

ANALYTICAL REPORT

Job Number: 460-46388-1

Job Description: 17338-TO4-2012, RACER, GM Wilmington

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



Approved for release.
Jannel O Franklin
Project Manager I
11/29/2012 11:24 AM

Designee for
Jamie Capaci
Project Manager I
jamie.capaci@testamericainc.com
11/29/2012

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LA000132

TestAmerica Laboratories, Inc.

TestAmerica Edison 777 New Durham Road, Edison, NJ 08817
Tel (732) 549-3900 Fax (732) 549-3679 www.testamericainc.com



Table of Contents

Cover Title Page	1
Data Summaries	5
Report Narrative	5
Sample Summary	7
Executive Summary	8
Method Summary	12
Method / Analyst Summary	13
Sample Datasheets	14
Surrogate Summary	50
QC Data Summary	52
Data Qualifiers	97
QC Association Summary	98
Lab Chronicle	103
Organic Sample Data	109
GC/MS VOA	109
Method 8260 DEL	109
Method 8260 DEL QC Summary	110
Method 8260 DEL Sample Data	127
Standards Data	231
Method 8260 DEL ICAL Data	231
Method 8260 DEL CCAL Data	255
Raw QC Data	270
Method 8260 DEL Tune Data	270
Method 8260 DEL Blank Data	279
Method 8260 DEL LCS/LCSD Data	289
Method 8260 DEL MS/MSD Data	304

Table of Contents

Method 8260 DEL Run Logs	314
Method 8260 DEL Prep Data	316
GC/MS Semi VOA	319
Method 8270 DEL	319
Method 8270 DEL QC Summary	320
Method 8270 DEL Sample Data	333
Standards Data	424
Method 8270 DEL ICAL Data	424
Method 8270 DEL CCAL Data	453
Raw QC Data	482
Method 8270 DEL Tune Data	482
Method 8270 DEL Blank Data	497
Method 8270 DEL LCS/LCSD Data	503
Method 8270 DEL Run Logs	517
Method 8270 DEL Prep Data	522
Method 8270C SIM	527
Method 8270C SIM QC Summary	528
Method 8270C SIM Sample Data	533
Standards Data	543
Method 8270C SIM ICAL Data	543
Method 8270C SIM CCAL Data	565
Raw QC Data	570
Method 8270C SIM Tune Data	570
Method 8270C SIM Blank Data	578
Method 8270C SIM Run Logs	581
Method 8270C SIM Prep Data	583

Table of Contents

Inorganic Sample Data	587
Metals Data	587
Met Cover Page	588
Met Sample Data	589
Met QC Data	595
Met ICV/CCV	595
Met Blanks	605
Met ICSA/ICSAB	619
Met MS/MSD/PDS	627
Met Dup/Trip	635
Met LCS/LCSD	640
Met Serial Dilution	645
Met MDL	650
Met Linear Ranges	660
Met Preparation Log	662
Met Analysis Run Log	668
Met Raw Data	688
Met Prep Data	1384
Shipping and Receiving Documents	1395
Client Chain of Custody	1396
Sample Receipt Checklist	1398

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 17338-TO4-2012, RACER, GM Wilmington

Report Number: 460-46388-1

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

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

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

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

RECEIPT

The samples were received on 10/24/2012 7:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.4° C.

Except:

The following sample(s) was received outside of holding time: TB-17338-102312-267 (460-46388-4). TB was received out of hold sampled 10/5/12

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.

DISSOLVED METALS

Samples 460-46388-1 through 460-46388-3 were analyzed for Dissolved metals in accordance with EPA SW-846 Method 6010B. The samples were prepared on 11/02/2012 and 11/28/2012 and analyzed on 11/02/2012, 11/27/2012 and 11/28/2012.

Chromium was detected in method blank MB 460-134200/1-B 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.

Refer to the QC report for details.

Samples 460-46388-1 and 460-46388-2(3X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: WG-17338-102212-MW30-MM-264 (460-46388-1), WG-17338-102212-MW36S-MM-265 (460-46388-2). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the dissolved metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS

Samples 460-46388-1 through 460-46388-3 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared on 10/26/2012 and analyzed on 10/27/2012.

Samples 460-46388-1 and 460-46388-2(3X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample(s) was diluted due to the abundance of non-target analytes: WG-17338-102212-MW30-MM-264 (460-46388-1),

WG-17338-102212-MW36S-MM-265 (460-46388-2). manganese. Elevated reporting limits (RLs) are provided.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

DISSOLVED MERCURY

Samples 460-46388-1 through 460-46388-3 were analyzed for dissolved mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 10/26/2012.

No difficulties were encountered during the dissolved mercury analyses.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples 460-46388-1 through 460-46388-3 were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 10/26/2012.

No difficulties were encountered during the Hg analyses.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 460-46388-1 through 460-46388-4 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 10/31/2012 and 11/01/2012.

The laboratory control sample (LCS) for batch 134043 exceeded control limits for the following analyte: Acetone. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample duplicate (LCSD) for batch 134044 exceeded control limits for the following analytes: 2-Hexanone, Acetone, and 2-Butanone. The laboratory control sample / laboratory control sample duplicate (LCS/LCSD) %RPD was outside control limits for Acetone. The data has been flagged and reported.

Refer to the QC report for details.

Samples 460-46388-2(5X) and 460-46388-3(2X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS - SELECTED ION MODE (SIM)

Samples 460-46388-1 through 460-46388-3 were analyzed for semivolatile organic compounds - Selected Ion Mode (SIM) in accordance with EPA SW-846 Method 8270C SIM. The samples were prepared on 10/27/2012 and analyzed on 11/01/2012.

No difficulties were encountered during the SIM analyses.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 460-46388-1 through 460-46388-3 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 10/27/2012 and analyzed on 10/31/2012 and 11/06/2012.

The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 133851 exceeded control limits for the following analytes: 4-Nitrophenol, 4-Methylphenol and Phenol. Refer to the QC report for details.

Sample 460-46388-2(2X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-46388-1	WG-17338-102212-MW30-MM- 264	Water	10/22/2012 1045	10/24/2012 1915
460-46388-2	WG-17338-102212-MW36S-MM -265	Water	10/22/2012 1215	10/24/2012 1915
460-46388-3	WG-17338-102312-MW36D-MM -266	Water	10/23/2012 1300	10/24/2012 1915
460-46388-4	TB-17338-102312-267	Water	10/05/2012 0000	10/24/2012 1915

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-46388-1	WG-17338-102212-MW30-MM-264					
1,2-Dichlorobenzene		0.41	J	1.0	ug/L	8260B
Ethylbenzene		0.27	J	1.0	ug/L	8260B
Cyclohexane		3.7		1.0	ug/L	8260B
Benzene		1.8		1.0	ug/L	8260B
Methylcyclohexane		1.9		1.0	ug/L	8260B
Tetrachloroethene		1.0		1.0	ug/L	8260B
Xylenes, Total		1.3	J	3.0	ug/L	8260B
Isopropylbenzene		0.62	J	1.0	ug/L	8260B
Arsenic		4.9	J	5.0	ug/L	6010B
Chromium		4.8	J	10.0	ug/L	6010B
Nickel		5.5	J	40.0	ug/L	6010B
Selenium		14.1		10.0	ug/L	6010B
Silver		6.5	J	10.0	ug/L	6010B
Zinc		15.9	J	30.0	ug/L	6010B
Sodium		93700		5000	ug/L	6010B
Potassium		3430	J	5000	ug/L	6010B
Barium		395		200	ug/L	6010B
Calcium		44500		5000	ug/L	6010B
Iron		9420		150	ug/L	6010B
Vanadium		6.9	J	50.0	ug/L	6010B
Magnesium		20700		5000	ug/L	6010B
Aluminum		4070		600	ug/L	6010B
Manganese		27600		45.0	ug/L	6010B
Cobalt		107		50.0	ug/L	6010B
<i>Dissolved</i>						
Silver		6.0	J	10.0	ug/L	6010B
Sodium		99400		5000	ug/L	6010B
Potassium		3540	J	5000	ug/L	6010B
Barium		411		200	ug/L	6010B
Calcium		50700		5000	ug/L	6010B
Magnesium		22400		5000	ug/L	6010B
Manganese		28400		45.0	ug/L	6010B
Cobalt		90.5		50.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-46388-2	WG-17338-102212-MW36S-MM-265					
Carbon disulfide		0.28	J	1.0	ug/L	8260B
Methyl tert-butyl ether		0.56	J	1.0	ug/L	8260B
2-Butanone (MEK)		17		5.0	ug/L	8260B
Chloroform		10		1.0	ug/L	8260B
Ethylbenzene		1000	D	5.0	ug/L	8260B
Cyclohexane		280		1.0	ug/L	8260B
Benzene		500	D	5.0	ug/L	8260B
1,2-Dichloroethane		3.8		1.0	ug/L	8260B
Methylcyclohexane		75		1.0	ug/L	8260B
4-Methyl-2-pentanone (MIBK)		16		5.0	ug/L	8260B
Toluene		1600	D	5.0	ug/L	8260B
2-Hexanone		6.7		5.0	ug/L	8260B
Xylenes, Total		4000	D	15	ug/L	8260B
Styrene		17		1.0	ug/L	8260B
Isopropylbenzene		29		1.0	ug/L	8260B
1,1'-Biphenyl		8.6	J	10	ug/L	8270C
2-Methylnaphthalene		130		10	ug/L	8270C
4-Methylphenol		4.9	J *	10	ug/L	8270C
2-Methylphenol		3.2	J	10	ug/L	8270C
2,4-Dimethylphenol		5.0	J	10	ug/L	8270C
Naphthalene		270	D	21	ug/L	8270C
Benzo[k]fluoranthene		1.0		1.0	ug/L	8270C
Dibenz(a,h)anthracene		0.30	J	1.0	ug/L	8270C
Fluorene		3.3	J	10	ug/L	8270C
Dibenzofuran		3.0	J	10	ug/L	8270C
Indeno[1,2,3-cd]pyrene		0.58	J	1.0	ug/L	8270C
Arsenic		4.4	J	5.0	ug/L	6010B
Selenium		6.4	J	10.0	ug/L	6010B
Silver		7.0	J	10.0	ug/L	6010B
Thallium		27.4	J	30.0	ug/L	6010B
Sodium		43900		5000	ug/L	6010B
Potassium		2460	J	5000	ug/L	6010B
Barium		278		200	ug/L	6010B
Calcium		24500		5000	ug/L	6010B
Iron		66200		150	ug/L	6010B
Vanadium		7.3	J	50.0	ug/L	6010B
Magnesium		16600		5000	ug/L	6010B
Aluminum		3140		200	ug/L	6010B
Manganese		29300		45.0	ug/L	6010B
Cobalt		139		50.0	ug/L	6010B
<i>Dissolved</i>						
Silver		6.6	J	10.0	ug/L	6010B
Sodium		42400		5000	ug/L	6010B
Potassium		2500	J	5000	ug/L	6010B
Barium		227		200	ug/L	6010B
Calcium		23500		5000	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Iron		2390		150	ug/L	6010B
Magnesium		16000		5000	ug/L	6010B
Manganese		29100		45.0	ug/L	6010B
Cobalt		124		50.0	ug/L	6010B
460-46388-3 WG-17338-102312-MW36D-MM-266						
Methyl tert-butyl ether		0.21	J	1.0	ug/L	8260B
Chloroform		2.0		1.0	ug/L	8260B
Ethylbenzene		9.7		1.0	ug/L	8260B
Cyclohexane		86		1.0	ug/L	8260B
Benzene		830	D	2.0	ug/L	8260B
1,2-Dichloroethane		31		1.0	ug/L	8260B
Trichloroethene		0.16	J	1.0	ug/L	8260B
Methylcyclohexane		31		1.0	ug/L	8260B
4-Methyl-2-pentanone (MIBK)		1.8	J	5.0	ug/L	8260B
Toluene		20		1.0	ug/L	8260B
Xylenes, Total		65		3.0	ug/L	8260B
Styrene		0.31	J	1.0	ug/L	8260B
Isopropylbenzene		16		1.0	ug/L	8260B
Naphthalene		17		10	ug/L	8270C
Nickel		6.0	J	40.0	ug/L	6010B
Zinc		9.4	J	30.0	ug/L	6010B
Sodium		21700		5000	ug/L	6010B
Potassium		2020	J	5000	ug/L	6010B
Barium		259		200	ug/L	6010B
Calcium		18700		5000	ug/L	6010B
Iron		1590		150	ug/L	6010B
Magnesium		6660		5000	ug/L	6010B
Aluminum		274		200	ug/L	6010B
Manganese		2120		15.0	ug/L	6010B
Cobalt		22.1	J	50.0	ug/L	6010B
<i>Dissolved</i>						
Nickel		6.0	J	40.0	ug/L	6010B
Selenium		6.5	J	10.0	ug/L	6010B
Zinc		9.4	J	30.0	ug/L	6010B
Sodium		21300		5000	ug/L	6010B
Potassium		2080	J	5000	ug/L	6010B
Barium		256		200	ug/L	6010B
Calcium		18500		5000	ug/L	6010B
Iron		1200		150	ug/L	6010B
Magnesium		6590		5000	ug/L	6010B
Manganese		2080		15.0	ug/L	6010B
Cobalt		21.4	J	50.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-46388-4 Methylene Chloride	TB-17338-102312-267	0.70	J H	1.0	ug/L	8260B

METHOD SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organics (GC/MS)	TAL EDI	SW846 8260B	
Purge and Trap	TAL EDI		SW846 5030B
Semivolatile Organics (GC/MS)	TAL EDI	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C
Semivolatile Organic Compounds (GC/MS SIM)	TAL EDI	SW846 8270C SIM	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C
Metals (ICP)	TAL EDI	SW846 6010B	
Preparation, Total Metals	TAL EDI		SW846 3010A
Metals (ICP)	TAL EDI	SW846 6010B	
Preparation, Total Metals	TAL EDI		SW846 3010A
Sample Filtration	TAL EDI		FILTRATION
Mercury (CVAA)	TAL EDI	SW846 7470A	
Preparation, Mercury	TAL EDI		SW846 7470A
Mercury (CVAA)	TAL EDI	SW846 7470A	
Preparation, Mercury	TAL EDI		SW846 7470A
Sample Filtration	TAL EDI		FILTRATION

Lab References:

TAL EDI = TestAmerica Edison

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Method	Analyst	Analyst ID
SW846 8260B	Martinez, Eddie	EM
SW846 8270C	Asfaw, Abebaye A.	AAA
SW846 8270C	Crocco, Michael	MC
SW846 8270C SIM	Zhao, Chunxin	CZ
SW846 6010B	Chang, Churn Der	CDC
SW846 7470A	Staib, Thomas	TS

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW30-MM-264

Lab Sample ID: 460-46388-1

Date Sampled: 10/22/2012 1045

Client Matrix: Water

Date Received: 10/24/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-134044	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e09499.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/01/2012 0125			Final Weight/Volume:	5 mL
Prep Date:	11/01/2012 0125				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
Chloromethane	0.10	U	0.10	1.0
Vinyl chloride	0.14	U	0.14	1.0
Bromomethane	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	0.40	U	0.40	1.0
1,2-Dichlorobenzene	0.41	J	0.21	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
1,1-Dichloroethene	0.090	U	0.090	1.0
1,2-Dichloropropane	0.090	U	0.090	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	0.080	1.0
Acetone	2.7	U *	2.7	5.0
Carbon disulfide	0.13	U	0.13	1.0
Methyl acetate	0.34	U	0.34	2.0
Methylene Chloride	0.18	U	0.18	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Methyl tert-butyl ether	0.14	U	0.14	1.0
Chloroethane	0.17	U	0.17	1.0
1,1-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.18	U	0.18	1.0
2-Butanone (MEK)	2.3	U *	2.3	5.0
Chloroform	0.080	U	0.080	1.0
Ethylbenzene	0.27	J	0.10	1.0
Cyclohexane	3.7		0.16	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
Benzene	1.8		0.080	1.0
1,2-Dichloroethane	0.19	U	0.19	1.0
Trichloroethene	0.090	U	0.090	1.0
Methylcyclohexane	1.9		0.14	1.0
Dichlorobromomethane	0.12	U	0.12	1.0
cis-1,3-Dichloropropene	0.18	U	0.18	1.0
4-Methyl-2-pentanone (MIBK)	0.99	U	0.99	5.0
Toluene	0.15	U	0.15	1.0
trans-1,3-Dichloropropene	0.24	U	0.24	1.0
1,1,2-Trichloroethane	0.19	U	0.19	1.0
Tetrachloroethene	1.0		0.10	1.0
2-Hexanone	0.50	U *	0.50	5.0
1,2-Dibromoethane	0.28	U	0.28	1.0
Chlorobenzene	0.11	U	0.11	1.0
Xylenes, Total	1.3	J	0.36	3.0
Styrene	0.12	U	0.12	1.0
Bromoform	0.19	U	0.19	1.0
Isopropylbenzene	0.62	J	0.080	1.0
1,1,2,2-Tetrachloroethane	0.16	U	0.16	1.0
1,3-Dichlorobenzene	0.14	U	0.14	1.0

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW30-MM-264

Lab Sample ID: 460-46388-1

Date Sampled: 10/22/2012 1045

Client Matrix: Water

Date Received: 10/24/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-134044	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e09499.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/01/2012 0125			Final Weight/Volume:	5 mL
Prep Date:	11/01/2012 0125				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene	0.23	U	0.23	1.0
1,2,4-Trichlorobenzene	0.34	U	0.34	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
4-Bromofluorobenzene	105		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW30-MM-264

Lab Sample ID: 460-46388-1

Date Sampled: 10/22/2012 1045

Client Matrix: Water

Date Received: 10/24/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method: 8260B

Analysis Batch: 460-134044

Instrument ID: VOAMS5

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: e09499.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 11/01/2012 0125

Final Weight/Volume: 5 mL

Prep Date: 11/01/2012 0125

Tentatively Identified Compounds**Number TIC's Found: 4**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	C4H10 Alkane	1.00	8.8	J
	C5H12 Alkane	1.20	9.0	J
	C6H14 Alkane	1.73	14	J
	C10H12 Aromatic	11.66	7.0	J

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW36S-MM-265

Lab Sample ID: 460-46388-2

Date Sampled: 10/22/2012 1215

Client Matrix: Water

Date Received: 10/24/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-134043	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e09481.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/31/2012 1509			Final Weight/Volume:	5 mL
Prep Date:	10/31/2012 1509				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
Chloromethane	0.10	U	0.10	1.0
Vinyl chloride	0.14	U	0.14	1.0
Bromomethane	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	0.40	U	0.40	1.0
1,2-Dichlorobenzene	0.21	U	0.21	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
1,1-Dichloroethene	0.090	U	0.090	1.0
1,2-Dichloropropane	0.090	U	0.090	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	0.080	1.0
Acetone	2.7	U *	2.7	5.0
Carbon disulfide	0.28	J	0.13	1.0
Methyl acetate	0.34	U	0.34	2.0
Methylene Chloride	0.18	U	0.18	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Methyl tert-butyl ether	0.56	J	0.14	1.0
Chloroethane	0.17	U	0.17	1.0
1,1-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.18	U	0.18	1.0
2-Butanone (MEK)	17		2.3	5.0
Chloroform	10		0.080	1.0
Ethylbenzene	1300	E	0.10	1.0
Cyclohexane	280		0.16	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
Benzene	520	E	0.080	1.0
1,2-Dichloroethane	3.8		0.19	1.0
Trichloroethene	0.090	U	0.090	1.0
Methylcyclohexane	75		0.14	1.0
Dichlorobromomethane	0.12	U	0.12	1.0
cis-1,3-Dichloropropene	0.18	U	0.18	1.0
4-Methyl-2-pentanone (MIBK)	16		0.99	5.0
Toluene	850	E	0.15	1.0
trans-1,3-Dichloropropene	0.24	U	0.24	1.0
1,1,2-Trichloroethane	0.19	U	0.19	1.0
Tetrachloroethene	0.10	U	0.10	1.0
2-Hexanone	6.7		0.50	5.0
1,2-Dibromoethane	0.28	U	0.28	1.0
Chlorobenzene	0.11	U	0.11	1.0
Xylenes, Total	3500	E	0.36	3.0
Styrene	17		0.12	1.0
Bromoform	0.19	U	0.19	1.0
Isopropylbenzene	29		0.080	1.0
1,1,2,2-Tetrachloroethane	0.16	U	0.16	1.0
1,3-Dichlorobenzene	0.14	U	0.14	1.0

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW36S-MM-265

Lab Sample ID: 460-46388-2

Date Sampled: 10/22/2012 1215

Client Matrix: Water

Date Received: 10/24/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-134043	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e09481.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/31/2012 1509			Final Weight/Volume:	5 mL
Prep Date:	10/31/2012 1509				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene	0.23	U	0.23	1.0
1,2,4-Trichlorobenzene	0.34	U	0.34	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
4-Bromofluorobenzene	106		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW36S-MM-265

Lab Sample ID: 460-46388-2

Date Sampled: 10/22/2012 1215

Client Matrix: Water

Date Received: 10/24/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-134043	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e09481.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/31/2012 1509			Final Weight/Volume:	5 mL
Prep Date:	10/31/2012 1509				

Tentatively Identified Compounds **Number TIC's Found: 10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	C4H10 Alkane	1.00	830	J
	C5H12 Alkane	1.21	1300	J
	C5H12 Alkane-1	1.31	1000	J
	C5H10 Cycloalkane	1.37	690	J
	C5H10 Cycloalkane-1	1.75	1100	J
	C6H10 Cycloalkene	2.23	560	J
	C6H12 Cycloalkane	2.36	550	J
	C9H12 Aromatic	9.17	410	J
	C9H12 Aromatic-2	9.95	570	J
	C9H10 Aromatic	10.79	200	J

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW36S-MM-265

Lab Sample ID: 460-46388-2

Date Sampled: 10/22/2012 1215

Client Matrix: Water

Date Received: 10/24/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-134044	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e09500.d
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/01/2012 0149	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	11/01/2012 0149				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethylbenzene	1000	D	0.50	5.0
Benzene	500	D	0.40	5.0
Toluene	1600	D	0.75	5.0
Xylenes, Total	4000	D	1.8	15

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	D	70 - 130
4-Bromofluorobenzene	101	D	70 - 130
Toluene-d8 (Surr)	100	D	70 - 130

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102312-MW36D-MM-266

Lab Sample ID: 460-46388-3

Date Sampled: 10/23/2012 1300

Client Matrix: Water

Date Received: 10/24/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-134043	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e09482.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/31/2012 1532			Final Weight/Volume:	5 mL
Prep Date:	10/31/2012 1532				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
Chloromethane	0.10	U	0.10	1.0
Vinyl chloride	0.14	U	0.14	1.0
Bromomethane	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	0.40	U	0.40	1.0
1,2-Dichlorobenzene	0.21	U	0.21	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
1,1-Dichloroethene	0.090	U	0.090	1.0
1,2-Dichloropropane	0.090	U	0.090	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	0.080	1.0
Acetone	2.7	U *	2.7	5.0
Carbon disulfide	0.13	U	0.13	1.0
Methyl acetate	0.34	U	0.34	2.0
Methylene Chloride	0.18	U	0.18	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Methyl tert-butyl ether	0.21	J	0.14	1.0
Chloroethane	0.17	U	0.17	1.0
1,1-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.18	U	0.18	1.0
2-Butanone (MEK)	2.3	U	2.3	5.0
Chloroform	2.0		0.080	1.0
Ethylbenzene	9.7		0.10	1.0
Cyclohexane	86		0.16	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
Benzene	690	E	0.080	1.0
1,2-Dichloroethane	31		0.19	1.0
Trichloroethene	0.16	J	0.090	1.0
Methylcyclohexane	31		0.14	1.0
Dichlorobromomethane	0.12	U	0.12	1.0
cis-1,3-Dichloropropene	0.18	U	0.18	1.0
4-Methyl-2-pentanone (MIBK)	1.8	J	0.99	5.0
Toluene	20		0.15	1.0
trans-1,3-Dichloropropene	0.24	U	0.24	1.0
1,1,2-Trichloroethane	0.19	U	0.19	1.0
Tetrachloroethene	0.10	U	0.10	1.0
2-Hexanone	0.50	U	0.50	5.0
1,2-Dibromoethane	0.28	U	0.28	1.0
Chlorobenzene	0.11	U	0.11	1.0
Xylenes, Total	65		0.36	3.0
Styrene	0.31	J	0.12	1.0
Bromoform	0.19	U	0.19	1.0
Isopropylbenzene	16		0.080	1.0
1,1,2,2-Tetrachloroethane	0.16	U	0.16	1.0
1,3-Dichlorobenzene	0.14	U	0.14	1.0

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102312-MW36D-MM-266

Lab Sample ID: 460-46388-3

Date Sampled: 10/23/2012 1300

Client Matrix: Water

Date Received: 10/24/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-134043	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e09482.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/31/2012 1532			Final Weight/Volume:	5 mL
Prep Date:	10/31/2012 1532				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene	0.23	U	0.23	1.0
1,2,4-Trichlorobenzene	0.34	U	0.34	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 130
4-Bromofluorobenzene	101		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102312-MW36D-MM-266

Lab Sample ID: 460-46388-3

Date Sampled: 10/23/2012 1300

Client Matrix: Water

Date Received: 10/24/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method: 8260B

Analysis Batch: 460-134043

Instrument ID: VOAMS5

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: e09482.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 10/31/2012 1532

Final Weight/Volume: 5 mL

Prep Date: 10/31/2012 1532

Tentatively Identified Compounds**Number TIC's Found: 10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	0.94	85	J
	C4H10 Alkane	1.00	620	J
	C5H12 Alkane	1.21	520	J
	C5H12 Alkane-1	1.30	150	J
	C5H10 Alkene	1.37	51	J
	C5H10 Alkene	1.42	46	J
	C5H10 Cycloalkane	1.75	250	J
108-20-3	Diisopropyl ether	2.25	67	J N
	C6H12 Cycloalkane	2.36	130	J
	C9H12 Aromatic	9.62	26	J

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102312-MW36D-MM-266

Lab Sample ID: 460-46388-3

Date Sampled: 10/23/2012 1300

Client Matrix: Water

Date Received: 10/24/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-134044	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e09501.d
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/01/2012 0212	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	11/01/2012 0212				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	830	D	0.16	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	D	70 - 130
4-Bromofluorobenzene	103	D	70 - 130
Toluene-d8 (Surr)	100	D	70 - 130

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: TB-17338-102312-267

Lab Sample ID: 460-46388-4

Date Sampled: 10/05/2012 0000

Client Matrix: Water

Date Received: 10/24/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-134044	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e09497.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/01/2012 0039			Final Weight/Volume:	5 mL
Prep Date:	11/01/2012 0039				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.060	U H	0.060	1.0
Dichlorodifluoromethane	0.22	U H	0.22	1.0
Chloromethane	0.10	U H	0.10	1.0
Vinyl chloride	0.14	U H	0.14	1.0
Bromomethane	0.18	U H	0.18	1.0
1,2-Dibromo-3-Chloropropane	0.40	U H	0.40	1.0
1,2-Dichlorobenzene	0.21	U H	0.21	1.0
Trichlorofluoromethane	0.15	U H	0.15	1.0
1,1-Dichloroethene	0.090	U H	0.090	1.0
1,2-Dichloropropane	0.090	U H	0.090	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U H	0.080	1.0
Acetone	2.7	U H *	2.7	5.0
Carbon disulfide	0.13	U H	0.13	1.0
Methyl acetate	0.34	U H	0.34	2.0
Methylene Chloride	0.70	J H	0.18	1.0
trans-1,2-Dichloroethene	0.13	U H	0.13	1.0
Chlorodibromomethane	0.20	U H	0.20	1.0
Methyl tert-butyl ether	0.14	U H	0.14	1.0
Chloroethane	0.17	U H	0.17	1.0
1,1-Dichloroethane	0.13	U H	0.13	1.0
cis-1,2-Dichloroethene	0.18	U H	0.18	1.0
2-Butanone (MEK)	2.3	U H *	2.3	5.0
Chloroform	0.080	U H	0.080	1.0
Ethylbenzene	0.10	U H	0.10	1.0
Cyclohexane	0.16	U H	0.16	1.0
Carbon tetrachloride	0.060	U H	0.060	1.0
Benzene	0.080	U H	0.080	1.0
1,2-Dichloroethane	0.19	U H	0.19	1.0
Trichloroethene	0.090	U H	0.090	1.0
Methylcyclohexane	0.14	U H	0.14	1.0
Dichlorobromomethane	0.12	U H	0.12	1.0
cis-1,3-Dichloropropene	0.18	U H	0.18	1.0
4-Methyl-2-pentanone (MIBK)	0.99	U H	0.99	5.0
Toluene	0.15	U H	0.15	1.0
trans-1,3-Dichloropropene	0.24	U H	0.24	1.0
1,1,2-Trichloroethane	0.19	U H	0.19	1.0
Tetrachloroethene	0.10	U H	0.10	1.0
2-Hexanone	0.50	U H *	0.50	5.0
1,2-Dibromoethane	0.28	U H	0.28	1.0
Chlorobenzene	0.11	U H	0.11	1.0
Xylenes, Total	0.36	U H	0.36	3.0
Styrene	0.12	U H	0.12	1.0
Bromoform	0.19	U H	0.19	1.0
Isopropylbenzene	0.080	U H	0.080	1.0
1,1,2,2-Tetrachloroethane	0.16	U H	0.16	1.0
1,3-Dichlorobenzene	0.14	U H	0.14	1.0

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: TB-17338-102312-267

Lab Sample ID: 460-46388-4

Date Sampled: 10/05/2012 0000

Client Matrix: Water

Date Received: 10/24/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-134044	Instrument ID:	VOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	e09497.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/01/2012 0039			Final Weight/Volume:	5 mL
Prep Date:	11/01/2012 0039				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene	0.23	U H	0.23	1.0
1,2,4-Trichlorobenzene	0.34	U H	0.34	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
4-Bromofluorobenzene	104		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: TB-17338-102312-267

Lab Sample ID: 460-46388-4

Date Sampled: 10/05/2012 0000

Client Matrix: Water

Date Received: 10/24/2012 1915

8260B Volatile Organics (GC/MS)

Analysis Method: 8260B

Analysis Batch: 460-134044

Instrument ID: VOAMS5

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: e09497.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 11/01/2012 0039

Final Weight/Volume: 5 mL

Prep Date: 11/01/2012 0039

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

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

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW30-MM-264

Lab Sample ID: 460-46388-1

Date Sampled: 10/22/2012 1045

Client Matrix: Water

Date Received: 10/24/2012 1915

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-134248	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-133851	Lab File ID:	x31508.d
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	10/31/2012 1750			Final Weight/Volume:	2 mL
Prep Date:	10/27/2012 1910			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	2.9	U	2.9	10
Phenol	0.84	U *	0.84	10
2,4,6-Trichlorophenol	2.5	U	2.5	10
Bis(2-chloroethyl)ether	0.29	U	0.29	1.0
2,4-Dichlorophenol	2.7	U	2.7	10
2-Chlorophenol	2.3	U	2.3	10
2,4-Dinitrotoluene	0.49	U	0.49	2.1
2,2'-oxybis[1-chloropropane]	2.1	U	2.1	10
Acetophenone	2.8	U	2.8	10
2-Methylnaphthalene	3.1	U	3.1	10
4-Methylphenol	1.7	U *	1.7	10
2-Methylphenol	1.9	U	1.9	10
2-Nitroaniline	5.1	U	5.1	21
Hexachloroethane	0.26	U	0.26	1.0
Nitrobenzene	0.31	U	0.31	1.0
4-Chloro-3-methylphenol	2.6	U	2.6	10
Isophorone	2.8	U	2.8	10
2-Nitrophenol	2.5	U	2.5	10
4-Chlorophenyl phenyl ether	2.6	U	2.6	10
2,4-Dimethylphenol	3.5	U	3.5	10
4-Nitroaniline	6.0	U	6.0	21
4-Nitrophenol	7.0	U *	7.0	31
Bis(2-chloroethoxy)methane	2.7	U	2.7	10
Atrazine	3.1	U	3.1	10
Naphthalene	2.8	U	2.8	10
Benzaldehyde	2.1	U	2.1	10
4-Chloroaniline	2.1	U	2.1	10
Hexachlorobutadiene	0.59	U	0.59	2.1
Benzo[k]fluoranthene	0.27	U	0.27	1.0
Caprolactam	2.6	U	2.6	10
Carbazole	3.3	U	3.3	10
Hexachlorocyclopentadiene	1.8	U	1.8	10
Dibenz(a,h)anthracene	0.094	U	0.094	1.0
2,4,5-Trichlorophenol	2.7	U	2.7	10
Dimethyl phthalate	2.9	U	2.9	10
2-Chloronaphthalene	2.8	U	2.8	10
Fluoranthene	3.3	U	3.3	10
Fluorene	2.9	U	2.9	10
2,6-Dinitrotoluene	0.64	U	0.64	2.1
Acenaphthylene	2.8	U	2.8	10
3-Nitroaniline	5.2	U	5.2	21
N-Nitrosodi-n-propylamine	0.26	U	0.26	1.0
Acenaphthene	2.8	U	2.8	10
2,4-Dinitrophenol	5.6	U	5.6	31
Dibenzofuran	2.9	U	2.9	10
Diethyl phthalate	3.0	U	3.0	10

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW30-MM-264

Lab Sample ID: 460-46388-1

Date Sampled: 10/22/2012 1045

Client Matrix: Water

Date Received: 10/24/2012 1915

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-134248	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-133851	Lab File ID:	x31508.d
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	10/31/2012 1750			Final Weight/Volume:	2 mL
Prep Date:	10/27/2012 1910			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,6-Dinitro-2-methylphenol	4.9	U	4.9	31
N-Nitrosodiphenylamine	3.0	U	3.0	10
4-Bromophenyl phenyl ether	2.6	U	2.6	10
Phenanthrene	3.2	U	3.2	10
Anthracene	2.9	U	2.9	10
Di-n-butyl phthalate	3.0	U	3.0	10
Pyrene	3.0	U	3.0	10
Butyl benzyl phthalate	2.6	U	2.6	10
3,3'-Dichlorobenzidine	5.1	U	5.1	21
Chrysene	3.2	U	3.2	10
Bis(2-ethylhexyl) phthalate	2.1	U	2.1	10
Di-n-octyl phthalate	1.6	U	1.6	10
Indeno[1,2,3-cd]pyrene	0.16	U	0.16	1.0
Benzo[g,h,i]perylene	2.1	U	2.1	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	95		46 - 122
2-Fluorobiphenyl	89		53 - 108
2-Fluorophenol (Surr)	65		10 - 65
Nitrobenzene-d5 (Surr)	93		56 - 112
Phenol-d5 (Surr)	43		10 - 48
Terphenyl-d14 (Surr)	102		50 - 122

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW30-MM-264

Lab Sample ID: 460-46388-1

Date Sampled: 10/22/2012 1045

Client Matrix: Water

Date Received: 10/24/2012 1915

8270C Semivolatile Organics (GC/MS)

Analysis Method: 8270C

Analysis Batch: 460-134248

Instrument ID: BNAMS5

Prep Method: 3510C

Prep Batch: 460-133851

Lab File ID: x31508.d

Dilution: 1.0

Initial Weight/Volume: 960 mL

Analysis Date: 10/31/2012 1750

Final Weight/Volume: 2 mL

Prep Date: 10/27/2012 1910

Injection Volume: 1 uL

Tentatively Identified Compounds**Number TIC's Found: 11**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	1.11	42	J
	Unknown-2	1.24	61	J
	Unknown-3	1.88	35	J
	Unknown-4	4.12	10	J
934-34-9	2(3H)-Benzothiazolone	7.27	9.2	J N
	Nonylphenol isomer	7.37	17	J
	Nonylphenol isomer-2	7.40	23	J
	Nonylphenol isomer-3	7.44	23	J
	Nonylphenol isomer-4	7.54	9.0	J
	Nonylphenol isomer-5	7.58	14	J
	Nonylphenol isomer-6	7.62	10	J

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW36S-MM-265

Lab Sample ID: 460-46388-2

Date Sampled: 10/22/2012 1215

Client Matrix: Water

Date Received: 10/24/2012 1915

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-134248	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-133851	Lab File ID:	x31509.d
Dilution:	1.0			Initial Weight/Volume:	970 mL
Analysis Date:	10/31/2012 2330			Final Weight/Volume:	2 mL
Prep Date:	10/27/2012 1910			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	8.6	J	2.9	10
Phenol	0.84	U *	0.84	10
2,4,6-Trichlorophenol	2.5	U	2.5	10
Bis(2-chloroethyl)ether	0.29	U	0.29	1.0
2,4-Dichlorophenol	2.7	U	2.7	10
2-Chlorophenol	2.3	U	2.3	10
2,4-Dinitrotoluene	0.48	U	0.48	2.1
2,2'-oxybis[1-chloropropane]	2.1	U	2.1	10
Acetophenone	2.8	U	2.8	10
2-Methylnaphthalene	130		3.1	10
4-Methylphenol	4.9	J *	1.6	10
2-Methylphenol	3.2	J	1.9	10
2-Nitroaniline	5.1	U	5.1	21
Hexachloroethane	0.26	U	0.26	1.0
Nitrobenzene	0.31	U	0.31	1.0
4-Chloro-3-methylphenol	2.6	U	2.6	10
Isophorone	2.8	U	2.8	10
2-Nitrophenol	2.5	U	2.5	10
4-Chlorophenyl phenyl ether	2.6	U	2.6	10
2,4-Dimethylphenol	5.0	J	3.5	10
4-Nitroaniline	6.0	U	6.0	21
4-Nitrophenol	6.9	U *	6.9	31
Bis(2-chloroethoxy)methane	2.7	U	2.7	10
Atrazine	3.1	U	3.1	10
Benzaldehyde	2.1	U	2.1	10
4-Chloroaniline	2.1	U	2.1	10
Hexachlorobutadiene	0.59	U	0.59	2.1
Benzo[k]fluoranthene	1.0		0.27	1.0
Caprolactam	2.6	U	2.6	10
Carbazole	3.3	U	3.3	10
Hexachlorocyclopentadiene	1.8	U	1.8	10
Dibenz(a,h)anthracene	0.30	J	0.093	1.0
2,4,5-Trichlorophenol	2.7	U	2.7	10
Dimethyl phthalate	2.9	U	2.9	10
2-Chloronaphthalene	2.8	U	2.8	10
Fluoranthene	3.3	U	3.3	10
Fluorene	3.3	J	2.9	10
2,6-Dinitrotoluene	0.63	U	0.63	2.1
Acenaphthylene	2.8	U	2.8	10
3-Nitroaniline	5.2	U	5.2	21
N-Nitrosodi-n-propylamine	0.26	U	0.26	1.0
Acenaphthene	2.8	U	2.8	10
2,4-Dinitrophenol	5.6	U	5.6	31
Dibenzofuran	3.0	J	2.9	10
Diethyl phthalate	3.0	U	3.0	10
4,6-Dinitro-2-methylphenol	4.8	U	4.8	31

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW36S-MM-265

Lab Sample ID: 460-46388-2

Date Sampled: 10/22/2012 1215

Client Matrix: Water

Date Received: 10/24/2012 1915

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-134248	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-133851	Lab File ID:	x31509.d
Dilution:	1.0			Initial Weight/Volume:	970 mL
Analysis Date:	10/31/2012 2330			Final Weight/Volume:	2 mL
Prep Date:	10/27/2012 1910			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Nitrosodiphenylamine	3.0	U	3.0	10
4-Bromophenyl phenyl ether	2.6	U	2.6	10
Phenanthrene	3.2	U	3.2	10
Anthracene	2.9	U	2.9	10
Di-n-butyl phthalate	3.0	U	3.0	10
Pyrene	3.0	U	3.0	10
Butyl benzyl phthalate	2.6	U	2.6	10
3,3'-Dichlorobenzidine	5.1	U	5.1	21
Chrysene	3.2	U	3.2	10
Bis(2-ethylhexyl) phthalate	2.1	U	2.1	10
Di-n-octyl phthalate	1.5	U	1.5	10
Indeno[1,2,3-cd]pyrene	0.58	J	0.15	1.0
Benzo[g,h,i]perylene	2.1	U	2.1	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	101		46 - 122
2-Fluorobiphenyl	92		53 - 108
2-Fluorophenol (Surr)	51		10 - 65
Nitrobenzene-d5 (Surr)	95		56 - 112
Phenol-d5 (Surr)	37		10 - 48
Terphenyl-d14 (Surr)	94		50 - 122

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW36S-MM-265

Lab Sample ID: 460-46388-2

Date Sampled: 10/22/2012 1215

Client Matrix: Water

Date Received: 10/24/2012 1915

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-134248	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-133851	Lab File ID:	x31509.d
Dilution:	1.0			Initial Weight/Volume:	970 mL
Analysis Date:	10/31/2012 2330			Final Weight/Volume:	2 mL
Prep Date:	10/27/2012 1910			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found: 22**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	1.11	300	J
	Unknown-2	1.25	410	J
108-88-3	Toluene	1.33	690	J N
1462-03-9	Cyclopentanol, 1-methyl-	1.50	140	J N
	Unknown-3	1.79	130	J
	Unknown-4	1.90	370	J
100-41-4	Ethylbenzene	2.03	730	J N
	Xylene isomer	2.13	1300	J
	Xylene isomer-2	2.31	800	J
590-67-0	1-Methylcyclohexanol	2.34	69	J N
	Unknown-5	2.37	69	J
103-65-1	Benzene, propyl-	2.79	84	J N
	Ethylmethylbenzene isomer-1	2.87	290	J
	Ethylmethylbenzene isomer-2	2.89	120	J
	Trimethylbenzene isomer-1	2.94	170	J
	Trimethylbenzene isomer-2	3.16	520	J
	Trimethylbenzene isomer-3	3.39	190	J
496-11-7	Indane	3.50	240	J N
	Ethyl dimethylbenzene isomer	3.67	70	J
	C10H12 Aromatic-1	4.30	57	J
	C10H12 Aromatic-2	4.37	86	J
90-12-0	1-Methylnaphthalene	5.43	78	

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW36S-MM-265

Lab Sample ID: 460-46388-2

Date Sampled: 10/22/2012 1215

Client Matrix: Water

Date Received: 10/24/2012 1915

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-134518	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-133851	Lab File ID:	x31654.d
Dilution:	2.0			Initial Weight/Volume:	970 mL
Analysis Date:	11/06/2012 0201	Run Type:	DL	Final Weight/Volume:	2 mL
Prep Date:	10/27/2012 1910			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	270	D	5.6	21

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	102	D	46 - 122
2-Fluorobiphenyl	102	D	53 - 108
2-Fluorophenol (Surr)	54	D	10 - 65
Nitrobenzene-d5 (Surr)	99	D	56 - 112
Phenol-d5 (Surr)	38	D	10 - 48
Terphenyl-d14 (Surr)	100	D	50 - 122

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW36S-MM-265

Lab Sample ID: 460-46388-2

Date Sampled: 10/22/2012 1215

Client Matrix: Water

Date Received: 10/24/2012 1915

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-134518	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-133851	Lab File ID:	x31654.d
Dilution:	2.0			Initial Weight/Volume:	970 mL
Analysis Date:	11/06/2012 0201	Run Type:	DL	Final Weight/Volume:	2 mL
Prep Date:	10/27/2012 1910			Injection Volume:	1 uL

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

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

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102312-MW36D-MM-266

Lab Sample ID: 460-46388-3

Date Sampled: 10/23/2012 1300

Client Matrix: Water

Date Received: 10/24/2012 1915

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-134248	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-133851	Lab File ID:	x31510.d
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	10/31/2012 2351			Final Weight/Volume:	2 mL
Prep Date:	10/27/2012 1910			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	2.9	U	2.9	10
Phenol	0.84	U *	0.84	10
2,4,6-Trichlorophenol	2.5	U	2.5	10
Bis(2-chloroethyl)ether	0.29	U	0.29	1.0
2,4-Dichlorophenol	2.7	U	2.7	10
2-Chlorophenol	2.3	U	2.3	10
2,4-Dinitrotoluene	0.49	U	0.49	2.1
2,2'-oxybis[1-chloropropane]	2.1	U	2.1	10
Acetophenone	2.8	U	2.8	10
2-Methylnaphthalene	3.1	U	3.1	10
4-Methylphenol	1.7	U *	1.7	10
2-Methylphenol	1.9	U	1.9	10
2-Nitroaniline	5.1	U	5.1	21
Hexachloroethane	0.26	U	0.26	1.0
Nitrobenzene	0.31	U	0.31	1.0
4-Chloro-3-methylphenol	2.6	U	2.6	10
Isophorone	2.8	U	2.8	10
2-Nitrophenol	2.5	U	2.5	10
4-Chlorophenyl phenyl ether	2.6	U	2.6	10
2,4-Dimethylphenol	3.5	U	3.5	10
4-Nitroaniline	6.0	U	6.0	21
4-Nitrophenol	7.0	U *	7.0	31
Bis(2-chloroethoxy)methane	2.7	U	2.7	10
Atrazine	3.1	U	3.1	10
Naphthalene	17		2.8	10
Benzaldehyde	2.1	U	2.1	10
4-Chloroaniline	2.1	U	2.1	10
Hexachlorobutadiene	0.59	U	0.59	2.1
Benzo[k]fluoranthene	0.27	U	0.27	1.0
Caprolactam	2.6	U	2.6	10
Carbazole	3.3	U	3.3	10
Hexachlorocyclopentadiene	1.8	U	1.8	10
Dibenz(a,h)anthracene	0.094	U	0.094	1.0
2,4,5-Trichlorophenol	2.7	U	2.7	10
Dimethyl phthalate	2.9	U	2.9	10
2-Chloronaphthalene	2.8	U	2.8	10
Fluoranthene	3.3	U	3.3	10
Fluorene	2.9	U	2.9	10
2,6-Dinitrotoluene	0.64	U	0.64	2.1
Acenaphthylene	2.8	U	2.8	10
3-Nitroaniline	5.2	U	5.2	21
N-Nitrosodi-n-propylamine	0.26	U	0.26	1.0
Acenaphthene	2.8	U	2.8	10
2,4-Dinitrophenol	5.6	U	5.6	31
Dibenzofuran	2.9	U	2.9	10
Diethyl phthalate	3.0	U	3.0	10

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102312-MW36D-MM-266

Lab Sample ID: 460-46388-3

Date Sampled: 10/23/2012 1300

Client Matrix: Water

Date Received: 10/24/2012 1915

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-134248	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-133851	Lab File ID:	x31510.d
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	10/31/2012 2351			Final Weight/Volume:	2 mL
Prep Date:	10/27/2012 1910			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,6-Dinitro-2-methylphenol	4.9	U	4.9	31
N-Nitrosodiphenylamine	3.0	U	3.0	10
4-Bromophenyl phenyl ether	2.6	U	2.6	10
Phenanthrene	3.2	U	3.2	10
Anthracene	2.9	U	2.9	10
Di-n-butyl phthalate	3.0	U	3.0	10
Pyrene	3.0	U	3.0	10
Butyl benzyl phthalate	2.6	U	2.6	10
3,3'-Dichlorobenzidine	5.1	U	5.1	21
Chrysene	3.2	U	3.2	10
Bis(2-ethylhexyl) phthalate	2.1	U	2.1	10
Di-n-octyl phthalate	1.6	U	1.6	10
Indeno[1,2,3-cd]pyrene	0.16	U	0.16	1.0
Benzo[g,h,i]perylene	2.1	U	2.1	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	91		46 - 122
2-Fluorobiphenyl	94		53 - 108
2-Fluorophenol (Surr)	64		10 - 65
Nitrobenzene-d5 (Surr)	96		56 - 112
Phenol-d5 (Surr)	40		10 - 48
Terphenyl-d14 (Surr)	101		50 - 122

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102312-MW36D-MM-266

Lab Sample ID: 460-46388-3

Date Sampled: 10/23/2012 1300

Client Matrix: Water

Date Received: 10/24/2012 1915

8270C Semivolatile Organics (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-134248	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-133851	Lab File ID:	x31510.d
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	10/31/2012 2351			Final Weight/Volume:	2 mL
Prep Date:	10/27/2012 1910			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found: 21**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	1.10	250	J
	Unknown-2	1.24	190	J
108-88-3	Toluene	1.32	14	J N
1462-03-9	Cyclopentanol, 1-methyl-	1.50	170	J N
	Unknown-3	1.79	70	J
	Unknown-4	1.89	190	J
	Unknown-5	2.02	25	J
	Xylene isomer	2.28	57	J
590-67-0	1-Methylcyclohexanol	2.33	49	J N
	Unknown-6	2.36	24	J
	Ethylmethylbenzene isomer	2.54	19	J
	Unknown-7	2.59	22	J
	Unknown-8	2.68	16	J
	Unknown-9	2.72	13	J
	Unknown-10	2.76	13	J
103-65-1	Benzene, propyl-	2.79	12	J N
	Ethylmethylbenzene isomer	3.01	49	J
	Trimethylbenzene isomer-1	3.15	15	J
	Trimethylbenzene isomer-2	3.38	18	J
	Unknown-11	3.67	14	J
	C10H12 Aromatic	4.37	15	J

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW30-MM-264

Lab Sample ID: 460-46388-1

Date Sampled: 10/22/2012 1045

Client Matrix: Water

Date Received: 10/24/2012 1915

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	460-134292	Instrument ID:	BNAMS9
Prep Method:	3510C	Prep Batch:	460-133851	Lab File ID:	h105258.d
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	11/01/2012 2239			Final Weight/Volume:	2 mL
Prep Date:	10/27/2012 1910			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzo[a]anthracene	0.036	U	0.036	0.052
Benzo[a]pyrene	0.049	U	0.049	0.052
Benzo[b]fluoranthene	0.031	U	0.031	0.052
Pentachlorophenol	0.15	U	0.15	0.21
Hexachlorobenzene	0.018	U	0.018	0.021

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW36S-MM-265

Lab Sample ID: 460-46388-2

Date Sampled: 10/22/2012 1215

Client Matrix: Water

Date Received: 10/24/2012 1915

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	460-134292	Instrument ID:	BNAMS9
Prep Method:	3510C	Prep Batch:	460-133851	Lab File ID:	h105259.d
Dilution:	1.0			Initial Weight/Volume:	970 mL
Analysis Date:	11/01/2012 2308			Final Weight/Volume:	2 mL
Prep Date:	10/27/2012 1910			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzo[a]anthracene	0.036	U	0.036	0.052
Benzo[a]pyrene	0.049	U	0.049	0.052
Benzo[b]fluoranthene	0.031	U	0.031	0.052
Pentachlorophenol	0.14	U	0.14	0.21
Hexachlorobenzene	0.017	U	0.017	0.021

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102312-MW36D-MM-266

Lab Sample ID: 460-46388-3

Date Sampled: 10/23/2012 1300

Client Matrix: Water

Date Received: 10/24/2012 1915

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	460-134292	Instrument ID:	BNAMS9
Prep Method:	3510C	Prep Batch:	460-133851	Lab File ID:	h105260.d
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	11/01/2012 2337			Final Weight/Volume:	2 mL
Prep Date:	10/27/2012 1910			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzo[a]anthracene	0.036	U	0.036	0.052
Benzo[a]pyrene	0.049	U	0.049	0.052
Benzo[b]fluoranthene	0.031	U	0.031	0.052
Pentachlorophenol	0.15	U	0.15	0.21
Hexachlorobenzene	0.018	U	0.018	0.021

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW30-MM-264

Lab Sample ID: 460-46388-1

Date Sampled: 10/22/2012 1045

Client Matrix: Water

Date Received: 10/24/2012 1915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-133827	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-133764	Lab File ID:	10272012.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	10/27/2012 1320			Final Weight/Volume:	100 mL
Prep Date:	10/26/2012 1653				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	7.4	U	7.4	10.0
Arsenic	4.9	J	3.7	5.0
Beryllium	0.78	U	0.78	2.0
Cadmium	0.82	U	0.82	5.0
Chromium	4.8	J	4.5	10.0
Copper	7.8	U	7.8	25.0
Lead	4.0	U	4.0	5.0
Nickel	5.5	J	5.0	40.0
Selenium	14.1		5.8	10.0
Silver	6.5	J	1.3	10.0
Zinc	15.9	J	5.8	30.0
Sodium	93700		821	5000
Potassium	3430	J	525	5000
Barium	395		5.9	200
Calcium	44500		305	5000
Iron	9420		73.6	150
Vanadium	6.9	J	4.0	50.0
Magnesium	20700		321	5000
Cobalt	107		4.3	50.0

Analysis Method:	6010B	Analysis Batch:	460-133827	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-133764	Lab File ID:	10272012.asc
Dilution:	3.0			Initial Weight/Volume:	100 mL
Analysis Date:	10/27/2012 1343			Final Weight/Volume:	100 mL
Prep Date:	10/26/2012 1653				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Thallium	15.7	U	15.7	30.0
Aluminum	4070		216	600
Manganese	27600		12.9	45.0

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	460-134290	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-134211	Lab File ID:	11022012.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/02/2012 1529			Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 0931				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	7.4	U	7.4	10.0
Arsenic	3.7	U	3.7	5.0
Beryllium	0.78	U	0.78	2.0
Cadmium	0.82	U	0.82	5.0

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW30-MM-264

Lab Sample ID: 460-46388-1

Date Sampled: 10/22/2012 1045

Client Matrix: Water

Date Received: 10/24/2012 1915

6010B Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chromium	4.5	U	4.5	10.0
Copper	7.8	U	7.8	25.0
Lead	4.0	U	4.0	5.0
Nickel	5.0	U	5.0	40.0
Silver	6.0	J	1.3	10.0
Zinc	5.8	U	5.8	30.0
Sodium	99400		821	5000
Potassium	3540	J	525	5000
Barium	411		5.9	200
Calcium	50700		305	5000
Iron	73.6	U	73.6	150
Vanadium	4.0	U	4.0	50.0
Magnesium	22400		321	5000
Aluminum	72.1	U	72.1	200
Cobalt	90.5		4.3	50.0

Analysis Method: 6010B

Analysis Batch: 460-137149

Instrument ID: ICP5

Prep Method: 3010A

Prep Batch: 460-134211

Lab File ID: 11272012.asc

Dilution: 3.0

Initial Weight/Volume: 100 mL

Analysis Date: 11/27/2012 1408

Final Weight/Volume: 100 mL

Prep Date: 11/02/2012 0931

Analyte	Result (ug/L)	Qualifier	MDL	RL
Selenium	17.3	U	17.3	30.0
Thallium	15.7	U	15.7	30.0
Manganese	28400		12.9	45.0

7470A Mercury (CVAA)

Analysis Method: 7470A

Analysis Batch: 460-133790

Instrument ID: LEEMAN5

Prep Method: 7470A

Prep Batch: 460-133767

Lab File ID: 133766HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 30 mL

Analysis Date: 10/26/2012 2128

Final Weight/Volume: 30 mL

Prep Date: 10/26/2012 1737

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.16	U	0.16	0.20

7470A Mercury (CVAA)-Dissolved

Analysis Method: 7470A

Analysis Batch: 460-133790

Instrument ID: LEEMAN5

Prep Method: 7470A

Prep Batch: 460-133766

Lab File ID: 133766HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 30 mL

Analysis Date: 10/26/2012 2044

Final Weight/Volume: 30 mL

Prep Date: 10/26/2012 1717

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.16	U	0.16	0.20

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW30-MM-264

Lab Sample ID: 460-46388-1

Date Sampled: 10/22/2012 1045

Client Matrix: Water

Date Received: 10/24/2012 1915

7470A Mercury (CVAA)-Dissolved

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW36S-MM-265

Lab Sample ID: 460-46388-2

Date Sampled: 10/22/2012 1215

Client Matrix: Water

Date Received: 10/24/2012 1915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-133827	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-133764	Lab File ID:	10272012.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	10/27/2012 1324			Final Weight/Volume:	100 mL
Prep Date:	10/26/2012 1653				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	7.4	U	7.4	10.0
Arsenic	4.4	J	3.7	5.0
Beryllium	0.78	U	0.78	2.0
Cadmium	0.82	U	0.82	5.0
Chromium	4.5	U	4.5	10.0
Copper	7.8	U	7.8	25.0
Lead	4.0	U	4.0	5.0
Nickel	5.0	U	5.0	40.0
Selenium	6.4	J	5.8	10.0
Silver	7.0	J	1.3	10.0
Zinc	5.8	U	5.8	30.0
Sodium	43900		821	5000
Potassium	2460	J	525	5000
Barium	278		5.9	200
Calcium	24500		305	5000
Iron	66200		73.6	150
Vanadium	7.3	J	4.0	50.0
Magnesium	16600		321	5000
Aluminum	3140		72.1	200
Cobalt	139		4.3	50.0

Analysis Method:	6010B	Analysis Batch:	460-133827	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-133764	Lab File ID:	10272012.asc
Dilution:	3.0			Initial Weight/Volume:	100 mL
Analysis Date:	10/27/2012 1347			Final Weight/Volume:	100 mL
Prep Date:	10/26/2012 1653				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Thallium	27.4	J	15.7	30.0
Manganese	29300		12.9	45.0

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	460-134290	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-134211	Lab File ID:	11022012.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/02/2012 1547			Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 0931				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	7.4	U	7.4	10.0
Arsenic	3.7	U	3.7	5.0
Beryllium	0.78	U	0.78	2.0
Cadmium	0.82	U	0.82	5.0

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW36S-MM-265

Lab Sample ID: 460-46388-2

Date Sampled: 10/22/2012 1215

Client Matrix: Water

Date Received: 10/24/2012 1915

6010B Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chromium	4.5	U	4.5	10.0
Copper	7.8	U	7.8	25.0
Lead	4.0	U	4.0	5.0
Nickel	5.0	U	5.0	40.0
Silver	6.6	J	1.3	10.0
Zinc	5.8	U	5.8	30.0
Sodium	42400		821	5000
Potassium	2500	J	525	5000
Barium	227		5.9	200
Calcium	23500		305	5000
Iron	2390		73.6	150
Vanadium	4.0	U	4.0	50.0
Magnesium	16000		321	5000
Aluminum	72.1	U	72.1	200
Cobalt	124		4.3	50.0

Analysis Method: 6010B

Analysis Batch: 460-137149

Instrument ID: ICP5

Prep Method: 3010A

Prep Batch: 460-134211

Lab File ID: 11272012.asc

Dilution: 3.0

Initial Weight/Volume: 100 mL

Analysis Date: 11/27/2012 1412

Final Weight/Volume: 100 mL

Prep Date: 11/02/2012 0931

Analyte	Result (ug/L)	Qualifier	MDL	RL
Selenium	17.3	U	17.3	30.0
Thallium	15.7	U	15.7	30.0
Manganese	29100		12.9	45.0

7470A Mercury (CVAA)

Analysis Method: 7470A

Analysis Batch: 460-133790

Instrument ID: LEEMAN5

Prep Method: 7470A

Prep Batch: 460-133767

Lab File ID: 133766HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 30 mL

Analysis Date: 10/26/2012 2133

Final Weight/Volume: 30 mL

Prep Date: 10/26/2012 1737

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.16	U	0.16	0.20

7470A Mercury (CVAA)-Dissolved

Analysis Method: 7470A

Analysis Batch: 460-133790

Instrument ID: LEEMAN5

Prep Method: 7470A

Prep Batch: 460-133766

Lab File ID: 133766HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 30 mL

Analysis Date: 10/26/2012 2046

Final Weight/Volume: 30 mL

Prep Date: 10/26/2012 1717

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.16	U	0.16	0.20

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102212-MW36S-MM-265

Lab Sample ID: 460-46388-2

Date Sampled: 10/22/2012 1215

Client Matrix: Water

Date Received: 10/24/2012 1915

7470A Mercury (CVAA)-Dissolved

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102312-MW36D-MM-266

Lab Sample ID: 460-46388-3

Date Sampled: 10/23/2012 1300

Client Matrix: Water

Date Received: 10/24/2012 1915

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-133827	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-133764	Lab File ID:	10272012.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	10/27/2012 1328			Final Weight/Volume:	100 mL
Prep Date:	10/26/2012 1653				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	7.4	U	7.4	10.0
Arsenic	3.7	U	3.7	5.0
Beryllium	0.78	U	0.78	2.0
Cadmium	0.82	U	0.82	5.0
Chromium	4.5	U	4.5	10.0
Copper	7.8	U	7.8	25.0
Lead	4.0	U	4.0	5.0
Nickel	6.0	J	5.0	40.0
Selenium	5.8	U	5.8	10.0
Silver	1.3	U	1.3	10.0
Thallium	5.2	U	5.2	10.0
Zinc	9.4	J	5.8	30.0
Sodium	21700		821	5000
Potassium	2020	J	525	5000
Barium	259		5.9	200
Calcium	18700		305	5000
Iron	1590		73.6	150
Vanadium	4.0	U	4.0	50.0
Magnesium	6660		321	5000
Aluminum	274		72.1	200
Manganese	2120		4.3	15.0
Cobalt	22.1	J	4.3	50.0

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	460-134290	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-134211	Lab File ID:	11022012.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/02/2012 1551			Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 0931				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	7.4	U	7.4	10.0
Arsenic	3.7	U	3.7	5.0
Beryllium	0.78	U	0.78	2.0
Cadmium	0.82	U	0.82	5.0
Copper	7.8	U	7.8	25.0
Lead	4.0	U	4.0	5.0
Nickel	6.0	J	5.0	40.0
Selenium	6.5	J	5.8	10.0
Silver	1.3	U	1.3	10.0
Thallium	5.2	U	5.2	10.0
Zinc	9.4	J	5.8	30.0
Sodium	21300		821	5000
Potassium	2080	J	525	5000

Analytical Data

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Client Sample ID: WG-17338-102312-MW36D-MM-266

Lab Sample ID: 460-46388-3

Date Sampled: 10/23/2012 1300

Client Matrix: Water

Date Received: 10/24/2012 1915

6010B Metals (ICP)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	256		5.9	200
Calcium	18500		305	5000
Iron	1200		73.6	150
Vanadium	4.0	U	4.0	50.0
Magnesium	6590		321	5000
Aluminum	72.1	U	72.1	200
Manganese	2080		4.3	15.0
Cobalt	21.4	J	4.3	50.0

Analysis Method: 6010B

Analysis Batch: 460-137326

Instrument ID: ICP4

Prep Method: 3010A

Prep Batch: 460-137227

Lab File ID: 11282012.asc

Dilution: 1.0

Initial Weight/Volume: 100 mL

Analysis Date: 11/28/2012 1640

Final Weight/Volume: 100 mL

Prep Date: 11/28/2012 0852

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chromium	4.5	U	4.5	10.0

7470A Mercury (CVAA)

Analysis Method: 7470A

Analysis Batch: 460-133790

Instrument ID: LEEMAN5

Prep Method: 7470A

Prep Batch: 460-133767

Lab File ID: 133766HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 30 mL

Analysis Date: 10/26/2012 2136

Final Weight/Volume: 30 mL

Prep Date: 10/26/2012 1737

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.16	U	0.16	0.20

7470A Mercury (CVAA)-Dissolved

Analysis Method: 7470A

Analysis Batch: 460-133790

Instrument ID: LEEMAN5

Prep Method: 7470A

Prep Batch: 460-133766

Lab File ID: 133766HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 30 mL

Analysis Date: 10/26/2012 2048

Final Weight/Volume: 30 mL

Prep Date: 10/26/2012 1717

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.16	U	0.16	0.20

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

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

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
460-46388-1	WG-17338-102212-M W30-MM-264	95	101	105
460-46388-2	WG-17338-102212-M W36S-MM-265	99	96	106
460-46388-2 DL	WG-17338-102212-M W36S-MM-265 DL	98D	100D	101D
460-46388-3	WG-17338-102312-M W36D-MM-266	105	102	101
460-46388-3 DL	WG-17338-102312-M W36D-MM-266 DL	93D	100D	103D
460-46388-4	TB-17338-102312-26 7	97	100	104
MB 460-134043/9		107	101	100
MB 460-134044/5		95	99	103
LCS 460-134043/8		101	100	102
LCS 460-134044/3		100	99	100
LCSD 460-134044/4		102	99	100
460-46388-1 MS	WG-17338-102212-M W30-MM-264 MS	101	100	98
460-46388-1 MSD	WG-17338-102212-M W30-MM-264 MSD	109	100	100

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Surrogate Recovery Report

8270C Semivolatile Organics (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
460-46388-1	WG-17338-102212-M W30-MM-264	65	43	93	89	95	102
460-46388-2	WG-17338-102212-M W36S-MM-265	51	37	95	92	101	94
460-46388-2 DL	WG-17338-102212-M W36S-MM-265 DL	54D	38D	99D	102D	102D	100D
460-46388-3	WG-17338-102312-M W36D-MM-266	64	40	96	94	91	101
MB 460-133851/1-A		59	40	87	84	91	98
LCS 460-133851/2-A		51	33	75	73	79	71
LCSD 460-133851/3-A		62	40	89	88	96	85

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	10-65
PHL = Phenol-d5 (Surr)	10-48
NBZ = Nitrobenzene-d5 (Surr)	56-112
FBP = 2-Fluorobiphenyl	53-108
TBP = 2,4,6-Tribromophenol (Surr)	46-122
TPH = Terphenyl-d14 (Surr)	50-122

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Method Blank - Batch: 460-134043

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 460-134043/9
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/31/2012 1422
Prep Date: 10/31/2012 1422
Leach Date: N/A

Analysis Batch: 460-134043
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: VOAMS5
Lab File ID: e09479.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
Chloromethane	0.10	U	0.10	1.0
Vinyl chloride	0.14	U	0.14	1.0
Bromomethane	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	0.40	U	0.40	1.0
1,2-Dichlorobenzene	0.21	U	0.21	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
1,1-Dichloroethene	0.090	U	0.090	1.0
1,2-Dichloropropane	0.090	U	0.090	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	0.080	1.0
Acetone	2.7	U	2.7	5.0
Carbon disulfide	0.13	U	0.13	1.0
Methyl acetate	0.34	U	0.34	2.0
Methylene Chloride	0.18	U	0.18	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Methyl tert-butyl ether	0.14	U	0.14	1.0
Chloroethane	0.17	U	0.17	1.0
1,1-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.18	U	0.18	1.0
2-Butanone (MEK)	2.3	U	2.3	5.0
Chloroform	0.080	U	0.080	1.0
Ethylbenzene	0.10	U	0.10	1.0
Cyclohexane	0.16	U	0.16	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
Benzene	0.080	U	0.080	1.0
1,2-Dichloroethane	0.19	U	0.19	1.0
Trichloroethene	0.090	U	0.090	1.0
Methylcyclohexane	0.14	U	0.14	1.0
Dichlorobromomethane	0.12	U	0.12	1.0
cis-1,3-Dichloropropene	0.18	U	0.18	1.0
4-Methyl-2-pentanone (MIBK)	0.99	U	0.99	5.0
Toluene	0.15	U	0.15	1.0
trans-1,3-Dichloropropene	0.24	U	0.24	1.0
1,1,2-Trichloroethane	0.19	U	0.19	1.0
Tetrachloroethene	0.10	U	0.10	1.0
2-Hexanone	0.50	U	0.50	5.0
1,2-Dibromoethane	0.28	U	0.28	1.0
Chlorobenzene	0.11	U	0.11	1.0
Xylenes, Total	0.36	U	0.36	3.0
Styrene	0.12	U	0.12	1.0
Bromoform	0.19	U	0.19	1.0
Isopropylbenzene	0.080	U	0.080	1.0
1,1,2,2-Tetrachloroethane	0.16	U	0.16	1.0

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Method Blank - Batch: 460-134043

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 460-134043/9
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/31/2012 1422
 Prep Date: 10/31/2012 1422
 Leach Date: N/A

Analysis Batch: 460-134043
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: VOAMS5
 Lab File ID: e09479.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,3-Dichlorobenzene	0.14	U	0.14	1.0
1,4-Dichlorobenzene	0.23	U	0.23	1.0
1,2,4-Trichlorobenzene	0.34	U	0.34	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	70 - 130
4-Bromofluorobenzene	100	70 - 130
Toluene-d8 (Surr)	101	70 - 130

Method Blank TICs- Batch: 460-134043

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

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Lab Control Sample - Batch: 460-134043

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 460-134043/8
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/31/2012 1312
Prep Date: 10/31/2012 1312
Leach Date: N/A

Analysis Batch: 460-134043
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: VOAMS5
Lab File ID: e09476.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	19.2	96	74 - 128	
Dichlorodifluoromethane	20.0	21.0	105	46 - 145	
Chloromethane	20.0	20.1	100	58 - 146	
Vinyl chloride	20.0	20.2	101	61 - 144	
Bromomethane	20.0	20.4	102	55 - 153	
1,2-Dibromo-3-Chloropropane	20.0	20.3	102	70 - 116	
1,2-Dichlorobenzene	20.0	19.3	96	82 - 122	
Trichlorofluoromethane	20.0	22.1	110	69 - 147	
1,1-Dichloroethene	20.0	19.9	99	56 - 139	
1,2-Dichloropropane	20.0	19.6	98	80 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.0	95	47 - 139	
Acetone	20.0	35.0	175	45 - 156	*
Carbon disulfide	20.0	19.7	98	58 - 139	
Methyl acetate	20.0	20.3	102	50 - 151	
Methylene Chloride	20.0	19.3	97	79 - 119	
trans-1,2-Dichloroethene	20.0	18.4	92	75 - 122	
Chlorodibromomethane	20.0	19.6	98	80 - 120	
Methyl tert-butyl ether	20.0	19.6	98	71 - 115	
Chloroethane	20.0	20.8	104	69 - 145	
1,1-Dichloroethane	20.0	19.1	96	78 - 122	
cis-1,2-Dichloroethene	20.0	19.3	97	80 - 120	
2-Butanone (MEK)	20.0	22.2	111	65 - 114	
Chloroform	20.0	20.8	104	82 - 123	
Ethylbenzene	20.0	19.7	98	79 - 126	
Cyclohexane	20.0	19.8	99	58 - 133	
Carbon tetrachloride	20.0	19.2	96	73 - 120	
Benzene	20.0	18.9	94	83 - 124	
1,2-Dichloroethane	20.0	20.0	100	74 - 118	
Trichloroethene	20.0	19.4	97	78 - 119	
Methylcyclohexane	20.0	19.4	97	61 - 129	
Dichlorobromomethane	20.0	19.6	98	79 - 119	
cis-1,3-Dichloropropene	20.0	19.2	96	80 - 120	
4-Methyl-2-pentanone (MIBK)	20.0	20.1	101	53 - 120	
Toluene	20.0	19.2	96	80 - 120	
trans-1,3-Dichloropropene	20.0	19.5	97	78 - 118	
1,1,2-Trichloroethane	20.0	19.0	95	79 - 119	
Tetrachloroethene	20.0	19.4	97	68 - 139	
2-Hexanone	20.0	22.8	114	53 - 121	
1,2-Dibromoethane	20.0	19.4	97	78 - 118	
Chlorobenzene	20.0	19.4	97	81 - 121	
Xylenes, Total	60.0	57.5	96	76 - 121	
Styrene	20.0	19.2	96	69 - 112	
Bromoform	20.0	18.9	94	73 - 123	
Isopropylbenzene	20.0	19.6	98	80 - 125	
1,1,2,2-Tetrachloroethane	20.0	19.9	99	74 - 126	
1,3-Dichlorobenzene	20.0	19.5	98	81 - 126	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Lab Control Sample - Batch: 460-134043

Method: 8260B

Preparation: 5030B

Lab Sample ID:	LCS 460-134043/8	Analysis Batch:	460-134043	Instrument ID:	VOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	e09476.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/31/2012 1312	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/31/2012 1312				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,4-Dichlorobenzene	20.0	19.5	97	83 - 123	
1,2,4-Trichlorobenzene	20.0	21.0	105	66 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	70 - 130
4-Bromofluorobenzene	102	70 - 130
Toluene-d8 (Surr)	100	70 - 130

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-134043

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	460-46388-1	Analysis Batch:	460-134043	Instrument ID:	VOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	e09485.d
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/31/2012 1642			Final Weight/Volume:	5 mL
Prep Date:	10/31/2012 1642				
Leach Date:	N/A				

MSD Lab Sample ID:	460-46388-1	Analysis Batch:	460-134043	Instrument ID:	VOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	e09486.d
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/31/2012 1705			Final Weight/Volume:	5 mL
Prep Date:	10/31/2012 1705				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	97	92	74 - 128	6	30		
Dichlorodifluoromethane	100	98	46 - 145	1	30		
Chloromethane	97	97	58 - 146	0	30		
Vinyl chloride	97	97	61 - 144	0	30		
Bromomethane	103	104	55 - 153	1	30		
1,2-Dibromo-3-Chloropropane	106	103	70 - 116	2	30		
1,2-Dichlorobenzene	96	94	82 - 122	2	30		
Trichlorofluoromethane	144	142	69 - 147	2	30		
1,1-Dichloroethene	87	86	56 - 139	1	30		
1,2-Dichloropropane	101	99	80 - 120	2	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	84	86	47 - 139	2	30		
Acetone	124	119	45 - 156	4	30		
Carbon disulfide	84	83	58 - 139	1	30		
Methyl acetate	89	89	50 - 151	1	30		
Methylene Chloride	96	96	79 - 119	0	30		
trans-1,2-Dichloroethene	89	89	75 - 122	0	30		
Chlorodibromomethane	102	98	80 - 120	4	30		
Methyl tert-butyl ether	95	93	71 - 115	2	30		
Chloroethane	132	126	69 - 145	4	30		
1,1-Dichloroethane	93	93	78 - 122	0	30		
cis-1,2-Dichloroethene	98	96	80 - 120	2	30		
2-Butanone (MEK)	95	88	65 - 114	8	30		
Chloroform	105	102	82 - 123	2	30		
Ethylbenzene	98	96	79 - 126	2	30		
Cyclohexane	96	94	58 - 133	2	30		
Carbon tetrachloride	98	98	73 - 120	0	30		
Benzene	99	95	83 - 124	4	30		
1,2-Dichloroethane	103	100	74 - 118	3	30		
Trichloroethene	97	95	78 - 119	2	30		
Methylcyclohexane	93	92	61 - 129	1	30		
Dichlorobromomethane	102	99	79 - 119	3	30		
cis-1,3-Dichloropropene	99	94	80 - 120	5	30		
4-Methyl-2-pentanone (MIBK)	102	95	53 - 120	7	30		

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-134043

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	460-46388-1	Analysis Batch:	460-134043	Instrument ID:	VOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	e09485.d
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/31/2012 1642			Final Weight/Volume:	5 mL
Prep Date:	10/31/2012 1642				
Leach Date:	N/A				

MSD Lab Sample ID:	460-46388-1	Analysis Batch:	460-134043	Instrument ID:	VOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	e09486.d
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/31/2012 1705			Final Weight/Volume:	5 mL
Prep Date:	10/31/2012 1705				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Toluene	97	94	80 - 120	3	30		
trans-1,3-Dichloropropene	99	94	78 - 118	5	30		
1,1,2-Trichloroethane	99	96	79 - 119	4	30		
Tetrachloroethene	95	92	68 - 139	3	30		
2-Hexanone	103	99	53 - 121	4	30		
1,2-Dibromoethane	100	96	78 - 118	4	30		
Chlorobenzene	96	95	81 - 121	1	30		
Xylenes, Total	97	95	76 - 121	2	30		
Styrene	96	95	69 - 112	1	30		
Bromoform	98	95	73 - 123	3	30		
Isopropylbenzene	96	95	80 - 125	1	30		
1,1,2,2-Tetrachloroethane	100	100	74 - 126	1	30		
1,3-Dichlorobenzene	96	94	81 - 126	2	30		
1,4-Dichlorobenzene	95	94	83 - 123	2	30		
1,2,4-Trichlorobenzene	96	97	66 - 120	2	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	101		109	70 - 130			
4-Bromofluorobenzene	98		100	70 - 130			
Toluene-d8 (Surr)	100		100	70 - 130			

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-134043**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 460-46388-1 Units: ug/L
Client Matrix: Water
Dilution: 10
Analysis Date: 10/31/2012 1642
Prep Date: 10/31/2012 1642
Leach Date: N/A

MSD Lab Sample ID: 460-46388-1
Client Matrix: Water
Dilution: 10
Analysis Date: 10/31/2012 1705
Prep Date: 10/31/2012 1705
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,1-Trichloroethane	0.060	U	200	200	194	184
Dichlorodifluoromethane	0.22	U	200	200	200	197
Chloromethane	0.10	U	200	200	195	195
Vinyl chloride	0.14	U	200	200	194	193
Bromomethane	0.18	U	200	200	205	208
1,2-Dibromo-3-Chloropropane	0.40	U	200	200	211	206
1,2-Dichlorobenzene	0.41	J	200	200	192	188
Trichlorofluoromethane	0.15	U	200	200	289	284
1,1-Dichloroethene	0.090	U	200	200	174	173
1,2-Dichloropropane	0.090	U	200	200	201	197
1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	200	200	167	171
Acetone	2.7	U	200	200	249	239
Carbon disulfide	0.13	U	200	200	168	166
Methyl acetate	0.34	U	200	200	178	177
Methylene Chloride	0.18	U	200	200	193	193
trans-1,2-Dichloroethene	0.13	U	200	200	179	178
Chlorodibromomethane	0.20	U	200	200	204	196
Methyl tert-butyl ether	0.14	U	200	200	190	186
Chloroethane	0.17	U	200	200	263	252
1,1-Dichloroethane	0.13	J	200	200	187	186
cis-1,2-Dichloroethene	0.18	U	200	200	195	192
2-Butanone (MEK)	2.3	U	200	200	190	175
Chloroform	0.080	U	200	200	209	205
Ethylbenzene	0.27	J	200	200	196	192
Cyclohexane	3.7		200	200	196	191
Carbon tetrachloride	0.060	U	200	200	196	195
Benzene	1.8		200	200	200	192
1,2-Dichloroethane	0.19	U	200	200	206	199
Trichloroethene	0.090	U	200	200	193	190
Methylcyclohexane	1.9		200	200	188	186
Dichlorobromomethane	0.12	U	200	200	205	199
cis-1,3-Dichloropropene	0.18	U	200	200	197	188
4-Methyl-2-pentanone (MIBK)	0.99	U	200	200	204	190
Toluene	0.15	U	200	200	194	189
trans-1,3-Dichloropropene	0.24	U	200	200	197	188
1,1,2-Trichloroethane	0.19	U	200	200	199	191
Tetrachloroethene	1.0		200	200	192	186
2-Hexanone	0.50	U	200	200	205	197
1,2-Dibromoethane	0.28	U	200	200	201	192
Chlorobenzene	0.11	U	200	200	192	190
Xylenes, Total	1.3	J	600	600	582	570
Styrene	0.12	U	200	200	191	190
Bromoform	0.19	U	200	200	196	190

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-134043**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 460-46388-1 Units: ug/L
Client Matrix: Water
Dilution: 10
Analysis Date: 10/31/2012 1642
Prep Date: 10/31/2012 1642
Leach Date: N/A

MSD Lab Sample ID: 460-46388-1
Client Matrix: Water
Dilution: 10
Analysis Date: 10/31/2012 1705
Prep Date: 10/31/2012 1705
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Isopropylbenzene	0.62	J	200	200	193	191
1,1,2,2-Tetrachloroethane	0.16	U	200	200	201	199
1,3-Dichlorobenzene	0.14	U	200	200	192	189
1,4-Dichlorobenzene	0.23	U	200	200	191	188
1,2,4-Trichlorobenzene	0.34	U	200	200	191	195

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Method Blank - Batch: 460-134044

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 460-134044/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/01/2012 0015
Prep Date: 11/01/2012 0015
Leach Date: N/A

Analysis Batch: 460-134044
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: VOAMS5
Lab File ID: e09496.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
Chloromethane	0.10	U	0.10	1.0
Vinyl chloride	0.14	U	0.14	1.0
Bromomethane	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	0.40	U	0.40	1.0
1,2-Dichlorobenzene	0.21	U	0.21	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
1,1-Dichloroethene	0.090	U	0.090	1.0
1,2-Dichloropropane	0.090	U	0.090	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	0.080	1.0
Acetone	2.7	U	2.7	5.0
Carbon disulfide	0.13	U	0.13	1.0
Methyl acetate	0.34	U	0.34	2.0
Methylene Chloride	0.18	U	0.18	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Methyl tert-butyl ether	0.14	U	0.14	1.0
Chloroethane	0.17	U	0.17	1.0
1,1-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.18	U	0.18	1.0
2-Butanone (MEK)	2.3	U	2.3	5.0
Chloroform	0.080	U	0.080	1.0
Ethylbenzene	0.10	U	0.10	1.0
Cyclohexane	0.16	U	0.16	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
Benzene	0.080	U	0.080	1.0
1,2-Dichloroethane	0.19	U	0.19	1.0
Trichloroethene	0.090	U	0.090	1.0
Methylcyclohexane	0.14	U	0.14	1.0
Dichlorobromomethane	0.12	U	0.12	1.0
cis-1,3-Dichloropropene	0.18	U	0.18	1.0
4-Methyl-2-pentanone (MIBK)	0.99	U	0.99	5.0
Toluene	0.15	U	0.15	1.0
trans-1,3-Dichloropropene	0.24	U	0.24	1.0
1,1,2-Trichloroethane	0.19	U	0.19	1.0
Tetrachloroethene	0.10	U	0.10	1.0
2-Hexanone	0.50	U	0.50	5.0
1,2-Dibromoethane	0.28	U	0.28	1.0
Chlorobenzene	0.11	U	0.11	1.0
Xylenes, Total	0.36	U	0.36	3.0
Styrene	0.12	U	0.12	1.0
Bromoform	0.19	U	0.19	1.0
Isopropylbenzene	0.080	U	0.080	1.0
1,1,2,2-Tetrachloroethane	0.16	U	0.16	1.0

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Method Blank - Batch: 460-134044

Method: 8260B

Preparation: 5030B

Lab Sample ID:	MB 460-134044/5	Analysis Batch:	460-134044	Instrument ID:	VOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	e09496.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/01/2012 0015	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/01/2012 0015				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,3-Dichlorobenzene	0.14	U	0.14	1.0
1,4-Dichlorobenzene	0.23	U	0.23	1.0
1,2,4-Trichlorobenzene	0.34	U	0.34	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	70 - 130
4-Bromofluorobenzene	103	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Method Blank TICs- Batch: 460-134044

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

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-134044

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 460-134044/3	Analysis Batch: 460-134044	Instrument ID: VOAMS5
Client Matrix: Water	Prep Batch: N/A	Lab File ID: e09492.d
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 10/31/2012 2229	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 10/31/2012 2229		
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-134044/4	Analysis Batch: 460-134044	Instrument ID: VOAMS5
Client Matrix: Water	Prep Batch: N/A	Lab File ID: e09493.d
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 10/31/2012 2253	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 10/31/2012 2253		
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,1-Trichloroethane	107	108	74 - 128	1	30		
Dichlorodifluoromethane	123	131	46 - 145	6	30		
Chloromethane	126	127	58 - 146	1	30		
Vinyl chloride	126	126	61 - 144	0	30		
Bromomethane	121	119	55 - 153	1	30		
1,2-Dibromo-3-Chloropropane	100	110	70 - 116	9	30		
1,2-Dichlorobenzene	102	104	82 - 122	2	30		
Trichlorofluoromethane	131	125	69 - 147	5	30		
1,1-Dichloroethene	100	100	56 - 139	0	30		
1,2-Dichloropropane	102	105	80 - 120	3	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	114	115	47 - 139	1	30		
Acetone	108	168	45 - 156	44	30		*
Carbon disulfide	110	113	58 - 139	2	30		
Methyl acetate	105	116	50 - 151	10	30		
Methylene Chloride	103	105	79 - 119	3	30		
trans-1,2-Dichloroethene	98	101	75 - 122	3	30		
Chlorodibromomethane	99	104	80 - 120	4	30		
Methyl tert-butyl ether	111	113	71 - 115	2	30		
Chloroethane	124	122	69 - 145	2	30		
1,1-Dichloroethane	102	100	78 - 122	2	30		
cis-1,2-Dichloroethene	101	101	80 - 120	0	30		
2-Butanone (MEK)	108	119	65 - 114	9	30		*
Chloroform	104	106	82 - 123	2	30		
Ethylbenzene	103	105	79 - 126	2	30		
Cyclohexane	115	120	58 - 133	5	30		
Carbon tetrachloride	101	103	73 - 120	1	30		
Benzene	96	97	83 - 124	2	30		
1,2-Dichloroethane	104	109	74 - 118	4	30		
Trichloroethene	102	102	78 - 119	0	30		
Methylcyclohexane	117	118	61 - 129	1	30		
Dichlorobromomethane	105	107	79 - 119	2	30		
cis-1,3-Dichloropropene	97	98	80 - 120	1	30		
4-Methyl-2-pentanone (MIBK)	108	119	53 - 120	10	30		
Toluene	99	101	80 - 120	2	30		
trans-1,3-Dichloropropene	99	102	78 - 118	3	30		
1,1,2-Trichloroethane	98	101	79 - 119	3	30		

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-134044

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID:	LCS 460-134044/3	Analysis Batch:	460-134044	Instrument ID:	VOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	e09492.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/31/2012 2229	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/31/2012 2229				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-134044/4	Analysis Batch:	460-134044	Instrument ID:	VOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	e09493.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/31/2012 2253	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/31/2012 2253				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Tetrachloroethene	101	103	68 - 139	2	30		
2-Hexanone	115	144	53 - 121	23	30		*
1,2-Dibromoethane	98	105	78 - 118	7	30		
Chlorobenzene	104	106	81 - 121	2	30		
Xylenes, Total	102	104	76 - 121	2	30		
Styrene	104	107	69 - 112	2	30		
Bromoform	99	107	73 - 123	8	30		
Isopropylbenzene	104	106	80 - 125	3	30		
1,1,2,2-Tetrachloroethane	103	112	74 - 126	8	30		
1,3-Dichlorobenzene	104	105	81 - 126	1	30		
1,4-Dichlorobenzene	104	105	83 - 123	1	30		
1,2,4-Trichlorobenzene	98	101	66 - 120	3	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	100		102		70 - 130		
4-Bromofluorobenzene	100		100		70 - 130		
Toluene-d8 (Surr)	99		99		70 - 130		

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 460-134044**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 460-134044/3 Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/31/2012 2229
Prep Date: 10/31/2012 2229
Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-134044/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/31/2012 2253
Prep Date: 10/31/2012 2253
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1-Trichloroethane	20.0	20.0	21.3	21.6
Dichlorodifluoromethane	20.0	20.0	24.6	26.1
Chloromethane	20.0	20.0	25.2	25.3
Vinyl chloride	20.0	20.0	25.2	25.2
Bromomethane	20.0	20.0	24.1	23.9
1,2-Dibromo-3-Chloropropane	20.0	20.0	20.0	22.0
1,2-Dichlorobenzene	20.0	20.0	20.5	20.9
Trichlorofluoromethane	20.0	20.0	26.3	25.1
1,1-Dichloroethene	20.0	20.0	20.0	19.9
1,2-Dichloropropane	20.0	20.0	20.4	21.0
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.0	22.8	23.0
Acetone	20.0	20.0	21.6	33.7 *
Carbon disulfide	20.0	20.0	22.0	22.5
Methyl acetate	20.0	20.0	21.0	23.1
Methylene Chloride	20.0	20.0	20.5	21.0
trans-1,2-Dichloroethene	20.0	20.0	19.6	20.2
Chlorodibromomethane	20.0	20.0	19.9	20.8
Methyl tert-butyl ether	20.0	20.0	22.2	22.6
Chloroethane	20.0	20.0	24.8	24.4
1,1-Dichloroethane	20.0	20.0	20.5	20.0
cis-1,2-Dichloroethene	20.0	20.0	20.2	20.2
2-Butanone (MEK)	20.0	20.0	21.6	23.7 *
Chloroform	20.0	20.0	20.9	21.3
Ethylbenzene	20.0	20.0	20.6	21.0
Cyclohexane	20.0	20.0	22.9	24.0
Carbon tetrachloride	20.0	20.0	20.3	20.6
Benzene	20.0	20.0	19.2	19.5
1,2-Dichloroethane	20.0	20.0	20.8	21.7
Trichloroethene	20.0	20.0	20.4	20.3
Methylcyclohexane	20.0	20.0	23.4	23.6
Dichlorobromomethane	20.0	20.0	20.9	21.4
cis-1,3-Dichloropropene	20.0	20.0	19.5	19.7
4-Methyl-2-pentanone (MIBK)	20.0	20.0	21.6	23.8
Toluene	20.0	20.0	19.8	20.1
trans-1,3-Dichloropropene	20.0	20.0	19.8	20.5
1,1,2-Trichloroethane	20.0	20.0	19.6	20.3
Tetrachloroethene	20.0	20.0	20.3	20.7
2-Hexanone	20.0	20.0	23.0	28.9 *
1,2-Dibromoethane	20.0	20.0	19.6	21.0

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 460-134044**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 460-134044/3 Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/31/2012 2229
Prep Date: 10/31/2012 2229
Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-134044/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/31/2012 2253
Prep Date: 10/31/2012 2253
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chlorobenzene	20.0	20.0	20.8	21.1
Xylenes, Total	60.0	60.0	61.3	62.5
Styrene	20.0	20.0	20.9	21.4
Bromoform	20.0	20.0	19.9	21.4
Isopropylbenzene	20.0	20.0	20.7	21.2
1,1,2,2-Tetrachloroethane	20.0	20.0	20.5	22.3
1,3-Dichlorobenzene	20.0	20.0	20.8	21.0
1,4-Dichlorobenzene	20.0	20.0	20.7	20.9
1,2,4-Trichlorobenzene	20.0	20.0	19.5	20.1

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Method Blank - Batch: 460-133851

Method: 8270C Preparation: 3510C

Lab Sample ID: MB 460-133851/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/01/2012 0013
Prep Date: 10/27/2012 1910
Leach Date: N/A

Analysis Batch: 460-134248
Prep Batch: 460-133851
Leach Batch: N/A
Units: ug/L

Instrument ID: BNAMS5
Lab File ID: x31511.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	2.8	U	2.8	10
Phenol	0.81	U	0.81	10
2,4,6-Trichlorophenol	2.4	U	2.4	10
Bis(2-chloroethyl)ether	0.28	U	0.28	1.0
2,4-Dichlorophenol	2.6	U	2.6	10
2-Chlorophenol	2.2	U	2.2	10
2,4-Dinitrotoluene	0.47	U	0.47	2.0
2,2'-oxybis[1-chloropropane]	2.0	U	2.0	10
Acetophenone	2.7	U	2.7	10
2-Methylnaphthalene	3.0	U	3.0	10
4-Methylphenol	1.6	U	1.6	10
2-Methylphenol	1.8	U	1.8	10
2-Nitroaniline	4.9	U	4.9	20
Hexachloroethane	0.25	U	0.25	1.0
Nitrobenzene	0.30	U	0.30	1.0
4-Chloro-3-methylphenol	2.5	U	2.5	10
Isophorone	2.7	U	2.7	10
2-Nitrophenol	2.4	U	2.4	10
4-Chlorophenyl phenyl ether	2.5	U	2.5	10
2,4-Dimethylphenol	3.4	U	3.4	10
4-Nitroaniline	5.8	U	5.8	20
4-Nitrophenol	6.7	U	6.7	30
Bis(2-chloroethoxy)methane	2.6	U	2.6	10
Atrazine	3.0	U	3.0	10
Naphthalene	2.7	U	2.7	10
Benzaldehyde	2.0	U	2.0	10
4-Chloroaniline	2.0	U	2.0	10
Benzo[a]pyrene	0.14	U	0.14	1.0
Hexachlorobutadiene	0.57	U	0.57	2.0
Benzo[k]fluoranthene	0.26	U	0.26	1.0
Caprolactam	2.5	U	2.5	10
Carbazole	3.2	U	3.2	10
Hexachlorocyclopentadiene	1.7	U	1.7	10
Dibenz(a,h)anthracene	0.090	U	0.090	1.0
2,4,5-Trichlorophenol	2.6	U	2.6	10
Dimethyl phthalate	2.8	U	2.8	10
2-Chloronaphthalene	2.7	U	2.7	10
Fluoranthene	3.2	U	3.2	10
Fluorene	2.8	U	2.8	10
2,6-Dinitrotoluene	0.61	U	0.61	2.0
Acenaphthylene	2.7	U	2.7	10
3-Nitroaniline	5.0	U	5.0	20
N-Nitrosodi-n-propylamine	0.25	U	0.25	1.0
Acenaphthene	2.7	U	2.7	10
2,4-Dinitrophenol	5.4	U	5.4	30

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Method Blank - Batch: 460-133851

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 460-133851/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/01/2012 0013
Prep Date: 10/27/2012 1910
Leach Date: N/A

Analysis Batch: 460-134248
Prep Batch: 460-133851
Leach Batch: N/A
Units: ug/L

Instrument ID: BNAMS5
Lab File ID: x31511.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Dibenzofuran	2.8	U	2.8	10
Diethyl phthalate	2.9	U	2.9	10
4,6-Dinitro-2-methylphenol	4.7	U	4.7	30
N-Nitrosodiphenylamine	2.9	U	2.9	10
4-Bromophenyl phenyl ether	2.5	U	2.5	10
Hexachlorobenzene	0.29	U	0.29	1.0
Pentachlorophenol	5.3	U	5.3	30
Phenanthrene	3.1	U	3.1	10
Anthracene	2.8	U	2.8	10
Di-n-butyl phthalate	2.9	U	2.9	10
Pyrene	2.9	U	2.9	10
Butyl benzyl phthalate	2.5	U	2.5	10
3,3'-Dichlorobenzidine	4.9	U	4.9	20
Benzo[a]anthracene	0.27	U	0.27	1.0
Chrysene	3.1	U	3.1	10
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	10
Di-n-octyl phthalate	1.5	U	1.5	10
Benzo[b]fluoranthene	0.26	U	0.26	1.0
Indeno[1,2,3-cd]pyrene	0.15	U	0.15	1.0
Benzo[g,h,i]perylene	2.0	U	2.0	10

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	91	46 - 122
2-Fluorobiphenyl	84	53 - 108
2-Fluorophenol (Surr)	59	10 - 65
Nitrobenzene-d5 (Surr)	87	56 - 112
Phenol-d5 (Surr)	40	10 - 48
Terphenyl-d14 (Surr)	98	50 - 122

Method Blank TICs- Batch: 460-133851

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

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-133851

Method: 8270C

Preparation: 3510C

LCS Lab Sample ID: LCS 460-133851/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/01/2012 0035
Prep Date: 10/27/2012 1910
Leach Date: N/A

Analysis Batch: 460-134248
Prep Batch: 460-133851
Leach Batch: N/A
Units: ug/L

Instrument ID: BNAMS5
Lab File ID: x31512.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

LCSD Lab Sample ID: LCSD 460-133851/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/01/2012 0057
Prep Date: 10/27/2012 1910
Leach Date: N/A

Analysis Batch: 460-134248
Prep Batch: 460-133851
Leach Batch: N/A
Units: ug/L

Instrument ID: BNAMS5
Lab File ID: x31513.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1'-Biphenyl	74	91	66 - 112	20	30		
Phenol	39	46	12 - 44	16	30		*
2,4,6-Trichlorophenol	80	97	67 - 111	19	30		
Bis(2-chloroethyl)ether	78	92	62 - 108	16	30		
2,4-Dichlorophenol	83	99	64 - 107	17	30		
2-Chlorophenol	79	94	53 - 101	18	30		
2,4-Dinitrotoluene	79	95	65 - 113	19	30		
2,2'-oxybis[1-chloropropane]	77	92	68 - 107	18	30		
Acetophenone	79	94	68 - 109	17	30		
2-Methylnaphthalene	77	91	66 - 102	17	30		
4-Methylphenol	68	80	30 - 75	17	30		*
2-Methylphenol	71	84	40 - 90	17	30		
2-Nitroaniline	82	101	73 - 116	20	30		
Hexachloroethane	73	87	50 - 99	17	30		
Nitrobenzene	75	88	66 - 106	16	30		
4-Chloro-3-methylphenol	81	96	57 - 106	17	30		
Isophorone	76	90	68 - 108	18	30		
2-Nitrophenol	77	92	65 - 107	18	30		
4-Chlorophenyl phenyl ether	79	95	68 - 105	19	30		
2,4-Dimethylphenol	78	94	55 - 100	19	30		
4-Nitroaniline	84	101	49 - 119	19	30		
4-Nitrophenol	39	47	10 - 44	19	30		*
Bis(2-chloroethoxy)methane	79	93	69 - 108	16	30		
Atrazine	66	80	56 - 116	19	30		
Naphthalene	76	90	63 - 101	17	30		
Benzaldehyde	106	128	52 - 150	19	30		
4-Chloroaniline	72	87	58 - 105	18	30		
Benzo[a]pyrene	74	91	58 - 101	20	30		
Hexachlorobutadiene	73	86	52 - 99	17	30		
Benzo[k]fluoranthene	76	90	66 - 114	17	30		
Caprolactam	21	26	10 - 30	21	30		
Carbazole	80	99	67 - 110	21	30		
Hexachlorocyclopentadiene	62	76	40 - 105	20	30		
Dibenz(a,h)anthracene	82	99	67 - 124	19	30		
2,4,5-Trichlorophenol	81	98	67 - 114	19	30		
Dimethyl phthalate	77	94	69 - 111	20	30		

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-133851

Method: 8270C

Preparation: 3510C

LCS Lab Sample ID: LCS 460-133851/2-A	Analysis Batch: 460-134248	Instrument ID: BNAMS5
Client Matrix: Water	Prep Batch: 460-133851	Lab File ID: x31512.d
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 1000 mL
Analysis Date: 11/01/2012 0035	Units: ug/L	Final Weight/Volume: 2 mL
Prep Date: 10/27/2012 1910		Injection Volume: 1 uL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-133851/3-A	Analysis Batch: 460-134248	Instrument ID: BNAMS5
Client Matrix: Water	Prep Batch: 460-133851	Lab File ID: x31513.d
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 1000 mL
Analysis Date: 11/01/2012 0057	Units: ug/L	Final Weight/Volume: 2 mL
Prep Date: 10/27/2012 1910		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
2-Chloronaphthalene	76	91	65 - 107	19	30		
Fluoranthene	86	101	68 - 108	16	30		
Fluorene	77	93	68 - 105	18	30		
2,6-Dinitrotoluene	77	97	68 - 114	23	30		
Acenaphthylene	75	91	67 - 107	19	30		
3-Nitroaniline	81	99	59 - 108	19	30		
N-Nitrosodi-n-propylamine	81	97	70 - 109	19	30		
Acenaphthene	76	91	66 - 108	18	30		
2,4-Dinitrophenol	82	104	19 - 113	24	30		
Dibenzofuran	75	92	68 - 105	20	30		
Diethyl phthalate	78	95	66 - 109	20	30		
4,6-Dinitro-2-methylphenol	85	106	58 - 115	22	30		
N-Nitrosodiphenylamine	85	103	71 - 121	19	30		
4-Bromophenyl phenyl ether	77	93	66 - 110	18	30		
Hexachlorobenzene	76	94	65 - 107	20	30		
Pentachlorophenol	75	92	55 - 116	20	30		
Phenanthrene	79	94	68 - 110	18	30		
Anthracene	77	96	68 - 108	21	30		
Di-n-butyl phthalate	84	100	68 - 111	17	30		
Pyrene	71	84	61 - 110	17	30		
Butyl benzyl phthalate	81	97	66 - 115	19	30		
3,3'-Dichlorobenzidine	82	98	69 - 129	18	30		
Benzo[a]anthracene	79	95	65 - 106	18	30		
Chrysene	77	93	68 - 112	19	30		
Bis(2-ethylhexyl) phthalate	82	97	66 - 114	17	30		
Di-n-octyl phthalate	81	99	51 - 115	20	30		
Benzo[b]fluoranthene	70	87	65 - 111	21	30		
Indeno[1,2,3-cd]pyrene	73	89	68 - 121	19	30		
Benzo[g,h,i]perylene	76	92	65 - 134	20	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	79	96	46 - 122
2-Fluorobiphenyl	73	88	53 - 108
2-Fluorophenol (Surr)	51	62	10 - 65
Nitrobenzene-d5 (Surr)	75	89	56 - 112
Phenol-d5 (Surr)	33	40	10 - 48

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Terphenyl-d14 (Surr)	71	85	50 - 122

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 460-133851**

**Method: 8270C
Preparation: 3510C**

LCS Lab Sample ID: LCS 460-133851/2-A Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/01/2012 0035
Prep Date: 10/27/2012 1910
Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-133851/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/01/2012 0057
Prep Date: 10/27/2012 1910
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1'-Biphenyl	100	100	74.1	90.8
Phenol	100	100	38.9	45.7 *
2,4,6-Trichlorophenol	100	100	80.0	97.0
Bis(2-chloroethyl)ether	100	100	77.9	91.9
2,4-Dichlorophenol	100	100	83.2	99.1
2-Chlorophenol	100	100	78.5	93.8
2,4-Dinitrotoluene	100	100	78.5	95.3
2,2'-oxybis[1-chloropropane]	100	100	76.8	92.0
Acetophenone	100	100	78.8	93.9
2-Methylnaphthalene	100	100	76.9	91.0
4-Methylphenol	100	100	68.1	80.5 *
2-Methylphenol	100	100	71.3	84.4
2-Nitroaniline	100	100	82.2	101
Hexachloroethane	100	100	73.1	86.9
Nitrobenzene	100	100	74.5	87.8
4-Chloro-3-methylphenol	100	100	81.1	95.7
Isophorone	100	100	75.6	90.2
2-Nitrophenol	100	100	76.9	91.7
4-Chlorophenyl phenyl ether	100	100	79.0	95.4
2,4-Dimethylphenol	100	100	77.5	93.8
4-Nitroaniline	100	100	84.0	101
4-Nitrophenol	100	100	38.7	46.7 *
Bis(2-chloroethoxy)methane	100	100	79.5	92.9
Atrazine	100	100	65.7	79.6
Naphthalene	100	100	76.1	90.3
Benzaldehyde	100	100	106	128
4-Chloroaniline	100	100	72.2	86.8
Benzo[a]pyrene	100	100	74.5	91.0
Hexachlorobutadiene	100	100	72.7	85.9
Benzo[k]fluoranthene	100	100	76.1	90.5
Caprolactam	100	100	21.4	26.4
Carbazole	100	100	80.2	99.5
Hexachlorocyclopentadiene	100	100	62.5	76.2
Dibenz(a,h)anthracene	100	100	82.1	98.9
2,4,5-Trichlorophenol	100	100	80.8	97.8
Dimethyl phthalate	100	100	77.2	94.1
2-Chloronaphthalene	100	100	75.8	91.4
Fluoranthene	100	100	86.1	101
Fluorene	100	100	77.3	93.0

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 460-133851**

**Method: 8270C
Preparation: 3510C**

LCS Lab Sample ID: LCS 460-133851/2-A Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/01/2012 0035
Prep Date: 10/27/2012 1910
Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-133851/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/01/2012 0057
Prep Date: 10/27/2012 1910
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
2,6-Dinitrotoluene	100	100	77.2	97.4
Acenaphthylene	100	100	75.2	91.1
3-Nitroaniline	100	100	81.4	98.6
N-Nitrosodi-n-propylamine	100	100	80.7	97.2
Acenaphthene	100	100	76.1	91.0
2,4-Dinitrophenol	100	100	81.6	104
Dibenzofuran	100	100	74.7	91.5
Diethyl phthalate	100	100	77.7	94.9
4,6-Dinitro-2-methylphenol	100	100	85.2	106
N-Nitrosodiphenylamine	100	100	84.6	103
4-Bromophenyl phenyl ether	100	100	77.1	92.8
Hexachlorobenzene	100	100	76.5	93.7
Pentachlorophenol	100	100	75.1	91.7
Phenanthrene	100	100	78.9	94.3
Anthracene	100	100	77.1	95.6
Di-n-butyl phthalate	100	100	84.1	100
Pyrene	100	100	71.3	84.2
Butyl benzyl phthalate	100	100	80.6	97.2
3,3'-Dichlorobenzidine	100	100	81.7	98.1
Benzo[a]anthracene	100	100	79.1	95.2
Chrysene	100	100	76.9	93.5
Bis(2-ethylhexyl) phthalate	100	100	82.0	96.9
Di-n-octyl phthalate	100	100	80.6	99.0
Benzo[b]fluoranthene	100	100	70.4	86.7
Indeno[1,2,3-cd]pyrene	100	100	73.4	88.6
Benzo[g,h,i]perylene	100	100	75.6	92.3

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Method Blank - Batch: 460-133851

Method: 8270C SIM Preparation: 3510C

Lab Sample ID: MB 460-133851/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/01/2012 2209
Prep Date: 10/27/2012 1910
Leach Date: N/A

Analysis Batch: 460-134292
Prep Batch: 460-133851
Leach Batch: N/A
Units: ug/L

Instrument ID: BNAMS9
Lab File ID: h105257.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Benzo[a]anthracene	0.035	U	0.035	0.050
Benzo[a]pyrene	0.048	U	0.048	0.050
Benzo[b]fluoranthene	0.030	U	0.030	0.050
Pentachlorophenol	0.14	U	0.14	0.20
Hexachlorobenzene	0.017	U	0.017	0.020

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Method Blank - Batch: 460-133764

Method: 6010B

Preparation: 3010A

Lab Sample ID: MB 460-133764/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/27/2012 1258
Prep Date: 10/26/2012 1653
Leach Date: N/A

Analysis Batch: 460-133827
Prep Batch: 460-133764
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP5
Lab File ID: 10272012.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Antimony	7.4	U	7.4	10.0
Beryllium	0.78	U	0.78	2.0
Cadmium	0.82	U	0.82	5.0
Chromium	4.5	U	4.5	10.0
Copper	7.8	U	7.8	25.0
Lead	4.0	U	4.0	5.0
Nickel	5.0	U	5.0	40.0
Selenium	5.8	U	5.8	10.0
Silver	1.3	U	1.3	10.0
Thallium	5.2	U	5.2	10.0
Zinc	5.8	U	5.8	30.0
Sodium	821	U	821	5000
Potassium	525	U	525	5000
Barium	5.9	U	5.9	200
Calcium	305	U	305	5000
Iron	73.6	U	73.6	150
Vanadium	4.0	U	4.0	50.0
Magnesium	321	U	321	5000
Aluminum	72.1	U	72.1	200
Manganese	4.3	U	4.3	15.0
Cobalt	4.3	U	4.3	50.0

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Lab Control Sample - Batch: 460-133764

Method: 6010B

Preparation: 3010A

Lab Sample ID: LCS 460-133764/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/27/2012 1247
Prep Date: 10/26/2012 1653
Leach Date: N/A

Analysis Batch: 460-133827
Prep Batch: 460-133764
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP5
Lab File ID: 10272012.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	500	477.6	96	80 - 120	
Arsenic	2000	1942	97	80 - 120	
Beryllium	50.0	51.45	103	80 - 120	
Cadmium	50.0	52.60	105	80 - 120	
Chromium	200	207.8	104	80 - 120	
Copper	250	250.6	100	80 - 120	
Lead	500	533.6	107	80 - 120	
Nickel	500	540.8	108	80 - 120	
Selenium	2000	1904	95	80 - 120	
Silver	50.0	46.96	94	80 - 120	
Thallium	2000	2254	113	80 - 120	
Zinc	500	515.6	103	80 - 120	
Sodium	20000	20670	103	80 - 120	
Potassium	20000	20090	100	80 - 120	
Barium	2000	2156	108	80 - 120	
Calcium	20000	21510	108	80 - 120	
Iron	1000	1067	107	80 - 120	
Vanadium	500	509.6	102	80 - 120	
Magnesium	20000	20720	104	80 - 120	
Aluminum	2000	1987	99	80 - 120	
Manganese	500	540.7	108	80 - 120	
Cobalt	500	525.7	105	80 - 120	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Matrix Spike - Batch: 460-133764

Method: 6010B

Preparation: 3010A

Lab Sample ID:	460-46402-F-1-C MS	Analysis Batch:	460-133827	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-133764	Lab File ID:	10272012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	10/27/2012 1306	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	10/26/2012 1653				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Antimony	7.4	U	500	486.2	97	75 - 125	
Arsenic	3.7	U	2000	1976	99	75 - 125	
Beryllium	0.78	U	50.0	51.83	104	75 - 125	
Cadmium	0.82	U	50.0	52.41	105	75 - 125	
Chromium	4.5	U	200	206.5	103	75 - 125	
Copper	7.8	U	250	255.7	102	75 - 125	
Lead	6.9		500	546.3	108	75 - 125	
Nickel	5.0	U	500	537.9	108	75 - 125	
Selenium	5.8	U	2000	1946	97	75 - 125	
Silver	1.3	U	50.0	47.67	95	75 - 125	
Thallium	5.2	U	2000	2247	112	75 - 125	
Zinc	31.2		500	541.7	102	75 - 125	
Sodium	2670	J	20000	23380	104	75 - 125	
Potassium	3700	J	20000	23780	100	75 - 125	
Barium	35.5	J	2000	2192	108	75 - 125	
Calcium	31700		20000	52370	104	75 - 125	
Iron	437		1000	1477	104	75 - 125	
Vanadium	4.0	U	500	510.2	102	75 - 125	
Magnesium	2910	J	20000	23540	103	75 - 125	
Aluminum	72.1	U	2000	2013	101	75 - 125	
Manganese	18.5		500	556.0	108	75 - 125	
Cobalt	4.3	U	500	523.3	105	75 - 125	

Post Digestion Spike - Batch: 460-133764

Method: 6010B

Preparation: 3010A

Lab Sample ID:	460-46402-F-1-A PDS	Analysis Batch:	460-133827	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-133764	Lab File ID:	10272012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	10/27/2012 1309	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	10/26/2012 1653				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Antimony	7.4	U	500	452.5	91	75 - 125	
Arsenic	3.7	U	2000	1864	93	75 - 125	
Beryllium	0.78	U	50.0	49.52	99	75 - 125	
Cadmium	0.82	U	50.0	50.19	100	75 - 125	
Chromium	4.5	U	200	198.4	99	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Post Digestion Spike - Batch: 460-133764

Method: 6010B

Preparation: 3010A

Lab Sample ID:	460-46402-F-1-A PDS	Analysis Batch:	460-133827	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-133764	Lab File ID:	10272012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	10/27/2012 1309	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	10/26/2012 1653				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Copper	7.8	U	250	244.4	98	75 - 125	
Lead	6.9		500	518.3	102	75 - 125	
Nickel	5.0	U	500	511.1	102	75 - 125	
Selenium	5.8	U	2000	1846	92	75 - 125	
Silver	1.3	U	50.0	44.82	90	75 - 125	
Thallium	5.2	U	2000	2144	107	75 - 125	
Zinc	31.2		500	521.9	98	75 - 125	
Sodium	2670	J	20000	22530	99	75 - 125	
Potassium	3700	J	20000	22930	96	75 - 125	
Barium	35.5	J	2000	2095	103	75 - 125	
Calcium	31700		20000	51620	100	75 - 125	
Iron	437		1000	1426	99	75 - 125	
Vanadium	4.0	U	500	489.4	98	75 - 125	
Magnesium	2910	J	20000	22730	99	75 - 125	
Aluminum	72.1	U	2000	1930	97	75 - 125	
Manganese	18.5		500	534.6	103	75 - 125	
Cobalt	4.3	U	500	499.8	100	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Duplicate - Batch: 460-133764

Method: 6010B
Preparation: 3010A

Lab Sample ID: 460-46402-F-1-B DU	Analysis Batch: 460-133827	Instrument ID: ICP5
Client Matrix: Water	Prep Batch: 460-133764	Lab File ID: 10272012.asc
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 100 mL
Analysis Date: 10/27/2012 1240	Units: ug/L	Final Weight/Volume: 100 mL
Prep Date: 10/26/2012 1653		
Leach Date: N/A		

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Antimony	7.4	U	7.4	NC	20	U
Arsenic	3.7	U	4.58	NC	20	J
Beryllium	0.78	U	0.78	NC	20	U
Cadmium	0.82	U	0.82	NC	20	U
Chromium	4.5	U	4.5	NC	20	U
Copper	7.8	U	7.8	NC	20	U
Lead	6.9		6.59	5	20	
Nickel	5.0	U	5.0	NC	20	U
Selenium	5.8	U	5.8	NC	20	U
Silver	1.3	U	1.3	NC	20	U
Thallium	5.2	U	5.2	NC	20	U
Zinc	31.2		30.94	0.7	20	
Sodium	2670	J	2688	0.6	20	J
Potassium	3700	J	3715	0.4	20	J
Barium	35.5	J	34.61	3	20	J
Calcium	31700		31630	0.06	20	
Iron	437		419.0	4	20	
Vanadium	4.0	U	4.0	NC	20	U
Magnesium	2910	J	2892	0.7	20	J
Aluminum	72.1	U	72.1	NC	20	U
Manganese	18.5		18.22	1	20	
Cobalt	4.3	U	4.3	NC	20	U

Serial Dilution - Batch: 460-133764

Method: 6010B
Preparation: 3010A

Lab Sample ID: 460-46402-F-1-A SD ^5	Analysis Batch: 460-133827	Instrument ID: ICP5
Client Matrix: Water	Prep Batch: 460-133764	Lab File ID: 10272012.asc
Dilution: 5.0	Leach Batch: N/A	Initial Weight/Volume: 100 mL
Analysis Date: 10/27/2012 1302	Units: ug/L	Final Weight/Volume: 100 mL
Prep Date: 10/26/2012 1653		
Leach Date: N/A		

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Antimony	7.4	U	36.8	NC	10	U
Arsenic	3.7	U	18.6	NC	10	U
Beryllium	0.78	U	3.9	NC	10	U
Cadmium	0.82	U	4.1	NC	10	U
Chromium	4.5	U	22.3	NC	10	U
Copper	7.8	U	39.2	NC	10	U
Lead	6.9		20.1	NC	10	U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Serial Dilution - Batch: 460-133764

Method: 6010B

Preparation: 3010A

Lab Sample ID: 460-46402-F-1-A SD ^5
Client Matrix: Water
Dilution: 5.0
Analysis Date: 10/27/2012 1302
Prep Date: 10/26/2012 1653
Leach Date: N/A

Analysis Batch: 460-133827
Prep Batch: 460-133764
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP5
Lab File ID: 10272012.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Nickel	5.0	U	24.9	NC	10	U
Selenium	5.8	U	28.8	NC	10	U
Silver	1.3	U	6.7	NC	10	U
Thallium	5.2	U	26.2	NC	10	U
Zinc	31.2		45.72	NC	10	J
Sodium	2670	J	4100	NC	10	U
Potassium	3700	J	3638	NC	10	J
Barium	35.5	J	36.63	NC	10	J
Calcium	31700		31230	1.3	10	
Iron	437		392.4	NC	10	J
Vanadium	4.0	U	20.2	NC	10	U
Magnesium	2910	J	2875	NC	10	J
Aluminum	72.1	U	361	NC	10	U
Manganese	18.5		21.5	NC	10	U
Cobalt	4.3	U	21.4	NC	10	U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Method Blank - Batch: 460-134204

Lab Sample ID: MB 460-134200/1-C
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/02/2012 1416
Prep Date: 11/02/2012 0904
Leach Date: N/A

Analysis Batch: 460-134290
Prep Batch: 460-134204
Leach Batch: N/A
Units: ug/L

Method: 6010B Preparation: 3010A Dissolved

Instrument ID: ICP5
Lab File ID: 11022012.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Antimony	7.4	U	7.4	10.0
Arsenic	3.7	U	3.7	5.0
Beryllium	0.78	U	0.78	2.0
Cadmium	0.82	U	0.82	5.0
Chromium	4.5	U	4.5	10.0
Copper	7.8	U	7.8	25.0
Lead	4.0	U	4.0	5.0
Nickel	5.0	U	5.0	40.0
Selenium	5.8	U	5.8	10.0
Silver	1.3	U	1.3	10.0
Thallium	5.2	U	5.2	10.0
Zinc	5.8	U	5.8	30.0
Sodium	821	U	821	5000
Potassium	525	U	525	5000
Barium	5.9	U	5.9	200
Calcium	305	U	305	5000
Iron	73.6	U	73.6	150
Vanadium	4.0	U	4.0	50.0
Magnesium	321	U	321	5000
Aluminum	72.1	U	72.1	200
Manganese	4.3	U	4.3	15.0
Cobalt	4.3	U	4.3	50.0

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Method Blank - Batch: 460-134211

Lab Sample ID: MB 460-134200/1-B
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/02/2012 1544
Prep Date: 11/02/2012 0931
Leach Date: N/A

Analysis Batch: 460-134290
Prep Batch: 460-134211
Leach Batch: N/A
Units: ug/L

Method: 6010B Preparation: 3010A Dissolved

Instrument ID: ICP5
Lab File ID: 11022012.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Antimony	7.4	U	7.4	10.0
Arsenic	3.7	U	3.7	5.0
Beryllium	0.78	U	0.78	2.0
Cadmium	0.82	U	0.82	5.0
Chromium	5.30	J	4.5	10.0
Copper	7.8	U	7.8	25.0
Lead	4.0	U	4.0	5.0
Nickel	5.0	U	5.0	40.0
Selenium	5.8	U	5.8	10.0
Silver	1.3	U	1.3	10.0
Thallium	5.2	U	5.2	10.0
Zinc	5.8	U	5.8	30.0
Sodium	821	U	821	5000
Potassium	525	U	525	5000
Barium	5.9	U	5.9	200
Calcium	305	U	305	5000
Iron	73.6	U	73.6	150
Vanadium	4.0	U	4.0	50.0
Magnesium	321	U	321	5000
Aluminum	72.1	U	72.1	200
Manganese	4.3	U	4.3	15.0
Cobalt	4.3	U	4.3	50.0

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Lab Control Sample - Batch: 460-134211

Method: 6010B

Preparation: 3010A

Lab Sample ID: LCS 460-134211/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/02/2012 1533
Prep Date: 11/02/2012 0931
Leach Date: N/A

Analysis Batch: 460-134290
Prep Batch: 460-134211
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP5
Lab File ID: 11022012.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	500	464.8	93	80 - 120	
Arsenic	2000	1878	94	80 - 120	
Beryllium	50.0	49.20	98	80 - 120	
Cadmium	50.0	50.01	100	80 - 120	
Chromium	200	201.1	101	80 - 120	
Copper	250	242.3	97	80 - 120	
Lead	500	518.5	104	80 - 120	
Nickel	500	511.5	102	80 - 120	
Selenium	2000	1864	93	80 - 120	
Silver	50.0	46.80	94	80 - 120	
Thallium	2000	2198	110	80 - 120	
Zinc	500	491.5	98	80 - 120	
Sodium	20000	19930	100	80 - 120	
Potassium	20000	19290	96	80 - 120	
Barium	2000	2061	103	80 - 120	
Calcium	20000	20580	103	80 - 120	
Iron	1000	1024	102	80 - 120	
Vanadium	500	489.1	98	80 - 120	
Magnesium	20000	19670	98	80 - 120	
Aluminum	2000	1964	98	80 - 120	
Manganese	500	514.8	103	80 - 120	
Cobalt	500	504.8	101	80 - 120	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Matrix Spike - Batch: 460-134211

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID:	460-46540-C-3-C MS	Analysis Batch:	460-134290	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-134211	Lab File ID:	11022012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/02/2012 1522	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 0931				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Antimony	7.4	U	500	494.4	99	75 - 125	
Arsenic	3.7	U	2000	2026	101	75 - 125	
Beryllium	0.78	U	50.0	52.04	104	75 - 125	
Cadmium	0.82	U	50.0	52.05	104	75 - 125	
Chromium	4.5	U	200	213.0	107	75 - 125	
Copper	7.8	U	250	254.7	102	75 - 125	
Lead	4.0	U	500	528.7	106	75 - 125	
Nickel	5.0	U	500	533.6	107	75 - 125	
Selenium	5.8	U	2000	1988	99	75 - 125	
Silver	1.3	U	50.0	49.56	99	75 - 125	
Thallium	5.2	U	2000	2217	111	75 - 125	
Zinc	5.8	U	500	519.5	104	75 - 125	
Sodium	85400		20000	106500	106	75 - 125	4
Potassium	3800	J	20000	24220	102	75 - 125	
Barium	16.1	J	2000	2170	108	75 - 125	
Calcium	10300		20000	32130	109	75 - 125	
Iron	1120		1000	2176	105	75 - 125	
Vanadium	4.0	U	500	517.1	103	75 - 125	
Magnesium	3870	J	20000	24220	102	75 - 125	
Aluminum	72.1	U	2000	2078	104	75 - 125	
Manganese	32.0		500	568.7	107	75 - 125	
Cobalt	4.3	U	500	527.1	105	75 - 125	

Post Digestion Spike - Batch: 460-134211

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID:	460-46540-C-3-A PDS	Analysis Batch:	460-134290	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-134211	Lab File ID:	11022012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/02/2012 1525	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/02/2012 0931				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Antimony	7.4	U	500	455.1	91	75 - 125	
Arsenic	3.7	U	2000	1872	94	75 - 125	
Beryllium	0.78	U	50.0	47.65	95	75 - 125	
Cadmium	0.82	U	50.0	48.26	97	75 - 125	
Chromium	4.5	U	200	193.3	97	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Post Digestion Spike - Batch: 460-134211

Method: 6010B

Preparation: 3010A

Dissolved

Lab Sample ID: 460-46540-C-3-A PDS
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/02/2012 1525
 Prep Date: 11/02/2012 0931
 Leach Date: N/A

Analysis Batch: 460-134290
 Prep Batch: 460-134211
 Leach Batch: N/A
 Units: ug/L

Instrument ID: ICP5
 Lab File ID: 11022012.asc
 Initial Weight/Volume: 100 mL
 Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Copper	7.8	U	250	235.7	94	75 - 125	
Lead	4.0	U	500	488.6	98	75 - 125	
Nickel	5.0	U	500	491.7	98	75 - 125	
Selenium	5.8	U	2000	1841	92	75 - 125	
Silver	1.3	U	50.0	45.05	90	75 - 125	
Thallium	5.2	U	2000	2038	102	75 - 125	
Zinc	5.8	U	500	485.9	97	75 - 125	
Sodium	85400		20000	103000	88	75 - 125	
Potassium	3800	J	20000	22550	94	75 - 125	
Barium	16.1	J	2000	1997	99	75 - 125	
Calcium	10300		20000	30130	99	75 - 125	
Iron	1120		1000	2067	94	75 - 125	
Vanadium	4.0	U	500	474.6	95	75 - 125	
Magnesium	3870	J	20000	22490	93	75 - 125	
Aluminum	72.1	U	2000	1913	96	75 - 125	
Manganese	32.0		500	524.7	99	75 - 125	
Cobalt	4.3	U	500	485.8	97	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Duplicate - Batch: 460-134211

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID: 460-46540-C-3-B DU
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/02/2012 1511
Prep Date: 11/02/2012 0931
Leach Date: N/A

Analysis Batch: 460-134290
Prep Batch: 460-134211
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP5
Lab File ID: 11022012.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Antimony	7.4	U	7.4	NC	20	U
Arsenic	3.7	U	3.7	NC	20	U
Beryllium	0.78	U	0.78	NC	20	U
Cadmium	0.82	U	0.82	NC	20	U
Chromium	4.5	U	4.5	NC	20	U
Copper	7.8	U	7.8	NC	20	U
Lead	4.0	U	4.0	NC	20	U
Nickel	5.0	U	5.0	NC	20	U
Selenium	5.8	U	5.8	NC	20	U
Silver	1.3	U	1.3	NC	20	U
Thallium	5.2	U	5.2	NC	20	U
Zinc	5.8	U	5.8	NC	20	U
Sodium	85400		83910	2	20	
Potassium	3800	J	3728	2	20	J
Barium	16.1	J	15.88	2	20	J
Calcium	10300		10160	2	20	
Iron	1120		1090	3	20	
Vanadium	4.0	U	4.0	NC	20	U
Magnesium	3870	J	3820	1	20	J
Aluminum	72.1	U	72.1	NC	20	U
Manganese	32.0		31.36	2	20	
Cobalt	4.3	U	4.3	NC	20	U

Serial Dilution - Batch: 460-134211

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID: 460-46540-C-3-A SD ^5
Client Matrix: Water
Dilution: 5.0
Analysis Date: 11/02/2012 1518
Prep Date: 11/02/2012 0931
Leach Date: N/A

Analysis Batch: 460-134290
Prep Batch: 460-134211
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP5
Lab File ID: 11022012.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Antimony	7.4	U	36.8	NC	10	U
Arsenic	3.7	U	18.6	NC	10	U
Beryllium	0.78	U	3.9	NC	10	U
Cadmium	0.82	U	4.1	NC	10	U
Chromium	4.5	U	22.3	NC	10	U
Copper	7.8	U	39.2	NC	10	U
Lead	4.0	U	20.1	NC	10	U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Serial Dilution - Batch: 460-134211

Method: 6010B Preparation: 3010A Dissolved

Lab Sample ID: 460-46540-C-3-A SD ^5
Client Matrix: Water
Dilution: 5.0
Analysis Date: 11/02/2012 1518
Prep Date: 11/02/2012 0931
Leach Date: N/A

Analysis Batch: 460-134290
Prep Batch: 460-134211
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP5
Lab File ID: 11022012.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Nickel	5.0	U	24.9	NC	10	U
Selenium	5.8	U	28.8	NC	10	U
Silver	1.3	U	6.7	NC	10	U
Thallium	5.2	U	26.2	NC	10	U
Zinc	5.8	U	29.2	NC	10	U
Sodium	85400		83950	1.7	10	
Potassium	3800	J	3847	NC	10	J
Barium	16.1	J	29.7	NC	10	U
Calcium	10300		10150	NC	10	J
Iron	1120		1126	NC	10	
Vanadium	4.0	U	20.2	NC	10	U
Magnesium	3870	J	3801	NC	10	J
Aluminum	72.1	U	361	NC	10	U
Manganese	32.0		31.25	NC	10	J
Cobalt	4.3	U	21.4	NC	10	U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Method Blank - Batch: 460-137227

Lab Sample ID: MB 460-137229/1-B
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/28/2012 1629
Prep Date: 11/28/2012 0852
Leach Date: N/A

Analysis Batch: 460-137326
Prep Batch: 460-137227
Leach Batch: N/A
Units: ug/L

Method: 6010B Preparation: 3010A Dissolved

Instrument ID: ICP4
Lab File ID: 11282012.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Antimony	7.4	U	7.4	10.0
Arsenic	3.7	U	3.7	5.0
Beryllium	0.78	U	0.78	2.0
Cadmium	0.82	U	0.82	5.0
Chromium	4.5	U	4.5	10.0
Copper	7.8	U	7.8	25.0
Lead	4.0	U	4.0	5.0
Nickel	5.0	U	5.0	40.0
Selenium	5.8	U	5.8	10.0
Silver	1.3	U	1.3	10.0
Thallium	5.2	U	5.2	10.0
Zinc	5.8	U	5.8	30.0
Sodium	821	U	821	5000
Potassium	525	U	525	5000
Barium	5.9	U	5.9	200
Calcium	305	U	305	5000
Iron	73.6	U	73.6	150
Vanadium	4.0	U	4.0	50.0
Magnesium	321	U	321	5000
Aluminum	72.1	U	72.1	200
Manganese	4.3	U	4.3	15.0
Cobalt	4.3	U	4.3	50.0

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Lab Control Sample - Batch: 460-137227

Method: 6010B

Preparation: 3010A

Lab Sample ID: LCS 460-137227/2-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/28/2012 1618
 Prep Date: 11/28/2012 0852
 Leach Date: N/A

Analysis Batch: 460-137326
 Prep Batch: 460-137227
 Leach Batch: N/A
 Units: ug/L

Instrument ID: ICP4
 Lab File ID: 11282012.asc
 Initial Weight/Volume: 100 mL
 Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	500	480.0	96	80 - 120	
Arsenic	2000	1885	94	80 - 120	
Beryllium	50.0	48.22	96	80 - 120	
Cadmium	50.0	50.20	100	80 - 120	
Chromium	200	193.4	97	80 - 120	
Copper	250	241.8	97	80 - 120	
Lead	500	513.2	103	80 - 120	
Nickel	500	502.2	100	80 - 120	
Selenium	2000	1856	93	80 - 120	
Silver	50.0	45.53	91	80 - 120	
Thallium	2000	2130	107	80 - 120	
Zinc	500	492.9	99	80 - 120	
Sodium	20000	20400	102	80 - 120	
Potassium	20000	19260	96	80 - 120	
Barium	2000	1995	100	80 - 120	
Calcium	20000	21140	106	80 - 120	
Iron	1000	988.4	99	80 - 120	
Vanadium	500	474.3	95	80 - 120	
Magnesium	20000	18710	94	80 - 120	
Aluminum	2000	1997	100	80 - 120	
Manganese	500	483.8	97	80 - 120	
Cobalt	500	494.0	99	80 - 120	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Matrix Spike - Batch: 460-137227

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID:	460-47127-A-3-T MS	Analysis Batch:	460-137326	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-137227	Lab File ID:	11282012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/28/2012 1611	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 0852				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Antimony	7.4	U	500	487.8	98	75 - 125	
Arsenic	3.7	U	2000	1917	96	75 - 125	
Beryllium	0.78	U	50.0	48.73	97	75 - 125	
Cadmium	0.82	U	50.0	50.37	101	75 - 125	
Chromium	4.5	U	200	196.2	98	75 - 125	
Copper	7.8	U	250	242.3	97	75 - 125	
Lead	4.0	U	500	514.3	103	75 - 125	
Nickel	5.0	U	500	503.6	101	75 - 125	
Selenium	5.8	U	2000	1884	94	75 - 125	
Silver	1.3	U	50.0	46.70	93	75 - 125	
Thallium	5.2	U	2000	2116	106	75 - 125	
Zinc	5.8	U	500	500.0	100	75 - 125	
Sodium	6270		20000	26480	101	75 - 125	
Potassium	8340		20000	27610	96	75 - 125	
Barium	63.6	J	2000	2059	100	75 - 125	
Calcium	25600		20000	46160	103	75 - 125	
Iron	73.6	U	1000	998.0	100	75 - 125	
Vanadium	4.0	U	500	481.9	96	75 - 125	
Magnesium	1230	J	20000	20240	95	75 - 125	
Aluminum	72.1	U	2000	2027	101	75 - 125	
Manganese	70.6		500	558.9	98	75 - 125	
Cobalt	4.3	U	500	494.1	99	75 - 125	

Post Digestion Spike - Batch: 460-137227

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID:	460-47127-A-3-R PDS	Analysis Batch:	460-137326	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-137227	Lab File ID:	11282012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/28/2012 1615	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 0852				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Antimony	7.4	U	500	467.7	94	75 - 125	
Arsenic	3.7	U	2000	1814	91	75 - 125	
Beryllium	0.78	U	50.0	46.17	92	75 - 125	
Cadmium	0.82	U	50.0	47.87	96	75 - 125	
Chromium	4.5	U	200	186.5	93	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Post Digestion Spike - Batch: 460-137227

Method: 6010B

Preparation: 3010A

Dissolved

Lab Sample ID: 460-47127-A-3-R PDS
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/28/2012 1615
Prep Date: 11/28/2012 0852
Leach Date: N/A

Analysis Batch: 460-137326
Prep Batch: 460-137227
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP4
Lab File ID: 11282012.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Copper	7.8	U	250	237.6	95	75 - 125	
Lead	4.0	U	500	488.2	98	75 - 125	
Nickel	5.0	U	500	480.1	96	75 - 125	
Selenium	5.8	U	2000	1785	89	75 - 125	
Silver	1.3	U	50.0	45.22	90	75 - 125	
Thallium	5.2	U	2000	2018	101	75 - 125	
Zinc	5.8	U	500	474.2	95	75 - 125	
Sodium	6270		20000	25200	95	75 - 125	
Potassium	8340		20000	26320	90	75 - 125	
Barium	63.6	J	2000	1955	95	75 - 125	
Calcium	25600		20000	44360	94	75 - 125	
Iron	73.6	U	1000	971.8	97	75 - 125	
Vanadium	4.0	U	500	457.4	91	75 - 125	
Magnesium	1230	J	20000	19300	90	75 - 125	
Aluminum	72.1	U	2000	1877	94	75 - 125	
Manganese	70.6		500	534.4	93	75 - 125	
Cobalt	4.3	U	500	469.9	94	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Duplicate - Batch: 460-137227

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID: 460-47127-A-3-S DU
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/28/2012 1600
Prep Date: 11/28/2012 0852
Leach Date: N/A

Analysis Batch: 460-137326
Prep Batch: 460-137227
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP4
Lab File ID: 11282012.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Antimony	7.4	U	7.4	NC	20	U
Arsenic	3.7	U	3.7	NC	20	U
Beryllium	0.78	U	0.78	NC	20	U
Cadmium	0.82	U	0.82	NC	20	U
Chromium	4.5	U	4.5	NC	20	U
Copper	7.8	U	7.8	NC	20	U
Lead	4.0	U	4.0	NC	20	U
Nickel	5.0	U	5.0	NC	20	U
Selenium	5.8	U	5.8	NC	20	U
Silver	1.3	U	1.3	NC	20	U
Thallium	5.2	U	5.2	NC	20	U
Zinc	5.8	U	5.8	NC	20	U
Sodium	6270		6290	0.3	20	
Potassium	8340		8369	0.4	20	
Barium	63.6	J	63.92	0.5	20	J
Calcium	25600		25680	0.5	20	
Iron	73.6	U	73.6	NC	20	U
Vanadium	4.0	U	4.0	NC	20	U
Magnesium	1230	J	1262	3	20	J
Aluminum	72.1	U	72.1	NC	20	U
Manganese	70.6		71.47	1	20	
Cobalt	4.3	U	4.3	NC	20	U

Serial Dilution - Batch: 460-137227

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID: 460-47127-A-3-R SD ^5
Client Matrix: Water
Dilution: 5.0
Analysis Date: 11/28/2012 1608
Prep Date: 11/28/2012 0852
Leach Date: N/A

Analysis Batch: 460-137326
Prep Batch: 460-137227
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP4
Lab File ID: 11282012.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Antimony	7.4	U	36.8	NC	10	U
Arsenic	3.7	U	18.6	NC	10	U
Beryllium	0.78	U	3.9	NC	10	U
Cadmium	0.82	U	4.1	NC	10	U
Chromium	4.5	U	22.3	NC	10	U
Copper	7.8	U	39.2	NC	10	U
Lead	4.0	U	20.1	NC	10	U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Serial Dilution - Batch: 460-137227

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID: 460-47127-A-3-R SD ^5
Client Matrix: Water
Dilution: 5.0
Analysis Date: 11/28/2012 1608
Prep Date: 11/28/2012 0852
Leach Date: N/A

Analysis Batch: 460-137326
Prep Batch: 460-137227
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP4
Lab File ID: 11282012.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Nickel	5.0	U	24.9	NC	10	U
Selenium	5.8	U	28.8	NC	10	U
Silver	1.3	U	6.7	NC	10	U
Thallium	5.2	U	26.2	NC	10	U
Zinc	5.8	U	29.2	NC	10	U
Sodium	6270		6230	NC	10	J
Potassium	8340		8465	NC	10	J
Barium	63.6	J	63.30	NC	10	J
Calcium	25600		25230	1.3	10	
Iron	73.6	U	368	NC	10	U
Vanadium	4.0	U	20.2	NC	10	U
Magnesium	1230	J	1610	NC	10	U
Aluminum	72.1	U	361	NC	10	U
Manganese	70.6		70.45	NC	10	J
Cobalt	4.3	U	21.4	NC	10	U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Method Blank - Batch: 460-133766

Lab Sample ID: MB 460-133760/1-B
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/26/2012 2008
Prep Date: 10/26/2012 1717
Leach Date: N/A

Analysis Batch: 460-133790
Prep Batch: 460-133766
Leach Batch: N/A
Units: ug/L

Method: 7470A Preparation: 7470A Dissolved

Instrument ID: LEEMAN5
Lab File ID: 133766HG1.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.16	U	0.16	0.20

Lab Control Sample - Batch: 460-133766

Lab Sample ID: LCS 460-133766/12-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/26/2012 2010
Prep Date: 10/26/2012 1717
Leach Date: N/A

Analysis Batch: 460-133790
Prep Batch: 460-133766
Leach Batch: N/A
Units: ug/L

Method: 7470A Preparation: 7470A

Instrument ID: LEEMAN5
Lab File ID: 133766HG1.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	0.997	100	80 - 120	

Matrix Spike - Batch: 460-133766

Lab Sample ID: 460-46192-E-4-L MS
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/26/2012 2018
Prep Date: 10/26/2012 1717
Leach Date: N/A

Analysis Batch: 460-133790
Prep Batch: 460-133766
Leach Batch: N/A
Units: ug/L

Method: 7470A Preparation: 7470A Dissolved

Instrument ID: LEEMAN5
Lab File ID: 133766HG1.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.53	1.00	1.49	96	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Duplicate - Batch: 460-133766

Method: 7470A
Preparation: 7470A
Dissolved

Lab Sample ID:	460-46192-E-4-K DU	Analysis Batch:	460-133790	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-133766	Lab File ID:	133766HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	10/26/2012 2014	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	10/26/2012 1717				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.53	0.532	0	20	

Serial Dilution - Batch: 460-133766

Method: 7470A
Preparation: 7470A
Dissolved

Lab Sample ID:	460-46192-E-4-J SD ^5	Analysis Batch:	460-133790	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-133766	Lab File ID:	133766HG1.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	10/26/2012 2107	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	10/26/2012 1717				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.53	0.80	NC	10	U

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Method Blank - Batch: 460-133767

Method: 7470A Preparation: 7470A

Lab Sample ID:	MB 460-133767/10-A	Analysis Batch:	460-133790	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-133767	Lab File ID:	133766HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	10/26/2012 2112	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	10/26/2012 1737				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.16	U	0.16	0.20

Lab Control Sample - Batch: 460-133767

Method: 7470A Preparation: 7470A

Lab Sample ID:	LCS 460-133767/11-A	Analysis Batch:	460-133790	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-133767	Lab File ID:	133766HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	10/26/2012 2116	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	10/26/2012 1737				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	2.00	2.00	100	80 - 120	

Matrix Spike - Batch: 460-133767

Method: 7470A Preparation: 7470A

Lab Sample ID:	460-46427-I-1-C MS	Analysis Batch:	460-133790	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-133767	Lab File ID:	133766HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	10/26/2012 2121	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	10/26/2012 1737				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.16 U	2.00	2.00	100	75 - 125	

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Duplicate - Batch: 460-133767

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-46427-I-1-B DU	Analysis Batch:	460-133790	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-133767	Lab File ID:	133766HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	10/26/2012 2120	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	10/26/2012 1737				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.16 U	0.16	NC	20	U

Serial Dilution - Batch: 460-133767

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-46427-I-1-A SD ^5	Analysis Batch:	460-133790	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-133767	Lab File ID:	133766HG1.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	10/26/2012 2208	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	10/26/2012 1737				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.16 U	0.80	NC	10	U

DATA REPORTING QUALIFIERS

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Indicates an Estimated Value for TICs
	U	Indicates the analyte was analyzed for but not detected.
	*	Recovery or RPD exceeds control limits
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
	H	Sample was prepped or analyzed beyond the specified holding time
	N	This flag indicates the presumptive evidence of a compound.
GC/MS Semi VOA		
	J	Indicates an Estimated Value for TICs
	U	Indicates the analyte was analyzed for but not detected.
	*	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	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
	N	This flag indicates the presumptive evidence of a compound.
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.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:460-134043					
LCS 460-134043/8	Lab Control Sample	T	Water	8260B	
MB 460-134043/9	Method Blank	T	Water	8260B	
460-46388-1MS	Matrix Spike	T	Water	8260B	
460-46388-1MSD	Matrix Spike Duplicate	T	Water	8260B	
460-46388-2	WG-17338-102212-MW36S-MM-265	T	Water	8260B	
460-46388-3	WG-17338-102312-MW36D-MM-266	T	Water	8260B	
Analysis Batch:460-134044					
LCS 460-134044/3	Lab Control Sample	T	Water	8260B	
LCSD 460-134044/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 460-134044/5	Method Blank	T	Water	8260B	
460-46388-1	WG-17338-102212-MW30-MM-264	T	Water	8260B	
460-46388-2DL	WG-17338-102212-MW36S-MM-265	T	Water	8260B	
460-46388-3DL	WG-17338-102312-MW36D-MM-266	T	Water	8260B	
460-46388-4	TB-17338-102312-267	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 460-133851					
LCS 460-133851/2-A	Lab Control Sample	T	Water	3510C	
LCSD 460-133851/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 460-133851/1-A	Method Blank	T	Water	3510C	
460-46388-1	WG-17338-102212-MW30-MM-264	T	Water	3510C	
460-46388-2	WG-17338-102212-MW36S-MM-265	T	Water	3510C	
460-46388-2DL	WG-17338-102212-MW36S-MM-265	T	Water	3510C	
460-46388-3	WG-17338-102312-MW36D-MM-266	T	Water	3510C	
Analysis Batch:460-134248					
LCS 460-133851/2-A	Lab Control Sample	T	Water	8270C	460-133851
LCSD 460-133851/3-A	Lab Control Sample Duplicate	T	Water	8270C	460-133851
MB 460-133851/1-A	Method Blank	T	Water	8270C	460-133851
460-46388-1	WG-17338-102212-MW30-MM-264	T	Water	8270C	460-133851
460-46388-2	WG-17338-102212-MW36S-MM-265	T	Water	8270C	460-133851
460-46388-3	WG-17338-102312-MW36D-MM-266	T	Water	8270C	460-133851
Analysis Batch:460-134292					
MB 460-133851/1-A	Method Blank	T	Water	8270C SIM	460-133851
460-46388-1	WG-17338-102212-MW30-MM-264	T	Water	8270C SIM	460-133851
460-46388-2	WG-17338-102212-MW36S-MM-265	T	Water	8270C SIM	460-133851
460-46388-3	WG-17338-102312-MW36D-MM-266	T	Water	8270C SIM	460-133851
Analysis Batch:460-134518					
460-46388-2DL	WG-17338-102212-MW36S-MM-265	T	Water	8270C	460-133851

Report Basis

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-133764					
LCS 460-133764/2-A	Lab Control Sample	T	Water	3010A	
MB 460-133764/1-A	Method Blank	T	Water	3010A	
460-46388-1	WG-17338-102212-MW30-MM-264	T	Water	3010A	
460-46388-2	WG-17338-102212-MW36S-MM-265	T	Water	3010A	
460-46388-3	WG-17338-102312-MW36D-MM-266	T	Water	3010A	
460-46402-F-1-B DU	Duplicate	T	Water	3010A	
460-46402-F-1-C MS	Matrix Spike	T	Water	3010A	
Prep Batch: 460-133766					
LCS 460-133766/12-A	Lab Control Sample	T	Water	7470A	
MB 460-133760/1-B	Method Blank	D	Water	7470A	
460-46192-E-4-K DU	Duplicate	D	Water	7470A	
460-46192-E-4-L MS	Matrix Spike	D	Water	7470A	
460-46388-1	WG-17338-102212-MW30-MM-264	D	Water	7470A	
460-46388-2	WG-17338-102212-MW36S-MM-265	D	Water	7470A	
460-46388-3	WG-17338-102312-MW36D-MM-266	D	Water	7470A	
Prep Batch: 460-133767					
LCS 460-133767/11-A	Lab Control Sample	T	Water	7470A	
MB 460-133767/10-A	Method Blank	T	Water	7470A	
460-46388-1	WG-17338-102212-MW30-MM-264	T	Water	7470A	
460-46388-2	WG-17338-102212-MW36S-MM-265	T	Water	7470A	
460-46388-3	WG-17338-102312-MW36D-MM-266	T	Water	7470A	
460-46427-I-1-B DU	Duplicate	T	Water	7470A	
460-46427-I-1-C MS	Matrix Spike	T	Water	7470A	
Analysis Batch:460-133790					
LCS 460-133766/12-A	Lab Control Sample	T	Water	7470A	460-133766
MB 460-133760/1-B	Method Blank	D	Water	7470A	460-133766
LCS 460-133767/11-A	Lab Control Sample	T	Water	7470A	460-133767
MB 460-133767/10-A	Method Blank	T	Water	7470A	460-133767
460-46192-E-4-K DU	Duplicate	D	Water	7470A	460-133766
460-46192-E-4-L MS	Matrix Spike	D	Water	7470A	460-133766
460-46388-1	WG-17338-102212-MW30-MM-264	D	Water	7470A	460-133766
460-46388-1	WG-17338-102212-MW30-MM-264	T	Water	7470A	460-133767
460-46388-2	WG-17338-102212-MW36S-MM-265	D	Water	7470A	460-133766
460-46388-2	WG-17338-102212-MW36S-MM-265	T	Water	7470A	460-133767
460-46388-3	WG-17338-102312-MW36D-MM-266	D	Water	7470A	460-133766
460-46388-3	WG-17338-102312-MW36D-MM-266	T	Water	7470A	460-133767
460-46427-I-1-B DU	Duplicate	T	Water	7470A	460-133767
460-46427-I-1-C MS	Matrix Spike	T	Water	7470A	460-133767

TestAmerica Edison

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-133827					
LCS 460-133764/2-A	Lab Control Sample	T	Water	6010B	460-133764
MB 460-133764/1-A	Method Blank	T	Water	6010B	460-133764
460-46388-1	WG-17338-102212-MW30-MM-264	T	Water	6010B	460-133764
460-46388-2	WG-17338-102212-MW36S-MM-265	T	Water	6010B	460-133764
460-46388-3	WG-17338-102312-MW36D-MM-266	T	Water	6010B	460-133764
460-46402-F-1-B DU	Duplicate	T	Water	6010B	460-133764
460-46402-F-1-C MS	Matrix Spike	T	Water	6010B	460-133764
Prep Batch: 460-134204					
MB 460-134200/1-C	Method Blank	D	Water	3010A	
Prep Batch: 460-134211					
LCS 460-134211/2-A	Lab Control Sample	T	Water	3010A	
MB 460-134200/1-B	Method Blank	D	Water	3010A	
460-46388-1	WG-17338-102212-MW30-MM-264	D	Water	3010A	
460-46388-2	WG-17338-102212-MW36S-MM-265	D	Water	3010A	
460-46388-3	WG-17338-102312-MW36D-MM-266	D	Water	3010A	
460-46540-C-3-B DU	Duplicate	D	Water	3010A	
460-46540-C-3-C MS	Matrix Spike	D	Water	3010A	
Analysis Batch:460-134290					
MB 460-134200/1-C	Method Blank	D	Water	6010B	460-134204
LCS 460-134211/2-A	Lab Control Sample	T	Water	6010B	460-134211
MB 460-134200/1-B	Method Blank	D	Water	6010B	460-134211
460-46388-1	WG-17338-102212-MW30-MM-264	D	Water	6010B	460-134211
460-46388-2	WG-17338-102212-MW36S-MM-265	D	Water	6010B	460-134211
460-46388-3	WG-17338-102312-MW36D-MM-266	D	Water	6010B	460-134211
460-46540-C-3-B DU	Duplicate	D	Water	6010B	460-134211
460-46540-C-3-C MS	Matrix Spike	D	Water	6010B	460-134211
Analysis Batch:460-137149					
460-46388-1	WG-17338-102212-MW30-MM-264	D	Water	6010B	460-134211
460-46388-2	WG-17338-102212-MW36S-MM-265	D	Water	6010B	460-134211
460-46388-3	WG-17338-102312-MW36D-MM-266	D	Water	6010B	460-134211
Prep Batch: 460-137227					
LCS 460-137227/2-A	Lab Control Sample	T	Water	3010A	
MB 460-137229/1-B	Method Blank	D	Water	3010A	
460-46388-3	WG-17338-102312-MW36D-MM-266	D	Water	3010A	
460-47127-A-3-S DU	Duplicate	D	Water	3010A	
460-47127-A-3-T MS	Matrix Spike	D	Water	3010A	

TestAmerica Edison

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-137326					
LCS 460-137227/2-A	Lab Control Sample	T	Water	6010B	460-137227
MB 460-137229/1-B	Method Blank	D	Water	6010B	460-137227
460-46388-3	WG-17338-102312-MW36D-MM-266	D	Water	6010B	460-137227
460-47127-A-3-S DU	Duplicate	D	Water	6010B	460-137227
460-47127-A-3-T MS	Matrix Spike	D	Water	6010B	460-137227

Report Basis

D = Dissolved

T = Total

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Laboratory Chronicle

Lab ID: 460-46388-1

Client ID: WG-17338-102212-MW30-MM-264

Sample Date/Time: 10/22/2012 10:45

Received Date/Time: 10/24/2012 19:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-46388-B-1		460-134044		11/01/2012 01:25	1	TAL EDI	EM
A:8260B	460-46388-B-1		460-134044		11/01/2012 01:25	1	TAL EDI	EM
P:3510C	460-46388-D-1-C		460-134248	460-133851	10/27/2012 19:10	1	TAL EDI	KVR
A:8270C	460-46388-D-1-C		460-134248	460-133851	10/31/2012 17:50	1	TAL EDI	MC
P:3510C	460-46388-D-1-C		460-134292	460-133851	10/27/2012 19:10	1	TAL EDI	KVR
A:8270C SIM	460-46388-D-1-C		460-134292	460-133851	11/01/2012 22:39	1	TAL EDI	CZ
P:3010A	460-46388-D-1-A		460-133827	460-133764	10/26/2012 16:53	1	TAL EDI	EAE
A:6010B	460-46388-D-1-A		460-133827	460-133764	10/27/2012 13:20	1	TAL EDI	CDC
P:3010A	460-46388-D-1-A ^3		460-133827	460-133764	10/26/2012 16:53	3	TAL EDI	EAE
A:6010B	460-46388-D-1-A ^3		460-133827	460-133764	10/27/2012 13:43	3	TAL EDI	CDC
P:3010A	460-46388-G-1-B		460-134290	460-134211	11/02/2012 09:31	1	TAL EDI	MC
A:6010B	460-46388-G-1-B		460-134290	460-134211	11/02/2012 15:29	1	TAL EDI	CDC
P:3010A	460-46388-G-1-B ^3		460-137149	460-134211	11/02/2012 09:31	3	TAL EDI	MC
A:6010B	460-46388-G-1-B ^3		460-137149	460-134211	11/27/2012 14:08	3	TAL EDI	CDC
P:7470A	460-46388-E-1-B		460-133790	460-133766	10/26/2012 17:17	1	TAL EDI	TS
A:7470A	460-46388-E-1-B		460-133790	460-133766	10/26/2012 20:44	1	TAL EDI	TS
P:7470A	460-46388-D-1-B		460-133790	460-133767	10/26/2012 17:37	1	TAL EDI	TS
A:7470A	460-46388-D-1-B		460-133790	460-133767	10/26/2012 21:28	1	TAL EDI	TS

Lab ID: 460-46388-1 MS

Client ID: WG-17338-102212-MW30-MM-264

Sample Date/Time: 10/22/2012 10:45

Received Date/Time: 10/24/2012 19:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-46388-A-1 MS		460-134043		10/31/2012 16:42	10	TAL EDI	EM
A:8260B	460-46388-A-1 MS		460-134043		10/31/2012 16:42	10	TAL EDI	EM

Lab ID: 460-46388-1 MSD

Client ID: WG-17338-102212-MW30-MM-264

Sample Date/Time: 10/22/2012 10:45

Received Date/Time: 10/24/2012 19:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-46388-A-1 MSD		460-134043		10/31/2012 17:05	10	TAL EDI	EM
A:8260B	460-46388-A-1 MSD		460-134043		10/31/2012 17:05	10	TAL EDI	EM

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Laboratory Chronicle

Lab ID: 460-46388-2

Client ID: WG-17338-102212-MW36S-MM-265

Sample Date/Time: 10/22/2012 12:15

Received Date/Time: 10/24/2012 19:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-46388-A-2		460-134043		10/31/2012 15:09	1	TAL EDI	EM
A:8260B	460-46388-A-2		460-134043		10/31/2012 15:09	1	TAL EDI	EM
P:5030B	460-46388-B-2	DL	460-134044		11/01/2012 01:49	5	TAL EDI	EM
A:8260B	460-46388-B-2	DL	460-134044		11/01/2012 01:49	5	TAL EDI	EM
P:3510C	460-46388-E-2-C		460-134248	460-133851	10/27/2012 19:10	1	TAL EDI	KVR
A:8270C	460-46388-E-2-C		460-134248	460-133851	10/31/2012 23:30	1	TAL EDI	MC
P:3510C	460-46388-E-2-C	DL	460-134518	460-133851	10/27/2012 19:10	2	TAL EDI	KVR
A:8270C	460-46388-E-2-C	DL	460-134518	460-133851	11/06/2012 02:01	2	TAL EDI	AAA
P:3510C	460-46388-E-2-C		460-134292	460-133851	10/27/2012 19:10	1	TAL EDI	KVR
A:8270C SIM	460-46388-E-2-C		460-134292	460-133851	11/01/2012 23:08	1	TAL EDI	CZ
P:3010A	460-46388-D-2-A		460-133827	460-133764	10/26/2012 16:53	1	TAL EDI	EAE
A:6010B	460-46388-D-2-A		460-133827	460-133764	10/27/2012 13:24	1	TAL EDI	CDC
P:3010A	460-46388-D-2-A ^3		460-133827	460-133764	10/26/2012 16:53	3	TAL EDI	EAE
A:6010B	460-46388-D-2-A ^3		460-133827	460-133764	10/27/2012 13:47	3	TAL EDI	CDC
P:3010A	460-46388-E-2-E		460-134290	460-134211	11/02/2012 09:31	1	TAL EDI	MC
A:6010B	460-46388-E-2-E		460-134290	460-134211	11/02/2012 15:47	1	TAL EDI	CDC
P:3010A	460-46388-E-2-E ^3		460-137149	460-134211	11/02/2012 09:31	3	TAL EDI	MC
A:6010B	460-46388-E-2-E ^3		460-137149	460-134211	11/27/2012 14:12	3	TAL EDI	CDC
P:7470A	460-46388-E-2-B		460-133790	460-133766	10/26/2012 17:17	1	TAL EDI	TS
A:7470A	460-46388-E-2-B		460-133790	460-133766	10/26/2012 20:46	1	TAL EDI	TS
P:7470A	460-46388-D-2-B		460-133790	460-133767	10/26/2012 17:37	1	TAL EDI	TS
A:7470A	460-46388-D-2-B		460-133790	460-133767	10/26/2012 21:33	1	TAL EDI	TS

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Laboratory Chronicle

Lab ID: 460-46388-3

Client ID: WG-17338-102312-MW36D-MM-266

Sample Date/Time: 10/23/2012 13:00

Received Date/Time: 10/24/2012 19:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-46388-A-3		460-134043		10/31/2012 15:32	1	TAL EDI	EM
A:8260B	460-46388-A-3		460-134043		10/31/2012 15:32	1	TAL EDI	EM
P:5030B	460-46388-B-3	DL	460-134044		11/01/2012 02:12	2	TAL EDI	EM
A:8260B	460-46388-B-3	DL	460-134044		11/01/2012 02:12	2	TAL EDI	EM
P:3510C	460-46388-E-3-C		460-134248	460-133851	10/27/2012 19:10	1	TAL EDI	KVR
A:8270C	460-46388-E-3-C		460-134248	460-133851	10/31/2012 23:51	1	TAL EDI	MC
P:3510C	460-46388-E-3-C		460-134292	460-133851	10/27/2012 19:10	1	TAL EDI	KVR
A:8270C SIM	460-46388-E-3-C		460-134292	460-133851	11/01/2012 23:37	1	TAL EDI	CZ
P:3010A	460-46388-D-3-A		460-133827	460-133764	10/26/2012 16:53	1	TAL EDI	EAE
A:6010B	460-46388-D-3-A		460-133827	460-133764	10/27/2012 13:28	1	TAL EDI	CDC
P:3010A	460-46388-E-3-E		460-134290	460-134211	11/02/2012 09:31	1	TAL EDI	MC
A:6010B	460-46388-E-3-E		460-134290	460-134211	11/02/2012 15:51	1	TAL EDI	CDC
P:3010A	460-46388-E-3-G		460-137326	460-137227	11/28/2012 08:52	1	TAL EDI	MC
A:6010B	460-46388-E-3-G		460-137326	460-137227	11/28/2012 16:40	1	TAL EDI	CDC
P:7470A	460-46388-E-3-B		460-133790	460-133766	10/26/2012 17:17	1	TAL EDI	TS
A:7470A	460-46388-E-3-B		460-133790	460-133766	10/26/2012 20:48	1	TAL EDI	TS
P:7470A	460-46388-D-3-B		460-133790	460-133767	10/26/2012 17:37	1	TAL EDI	TS
A:7470A	460-46388-D-3-B		460-133790	460-133767	10/26/2012 21:36	1	TAL EDI	TS

Lab ID: 460-46388-4

Client ID: TB-17338-102312-267

Sample Date/Time: 10/05/2012 00:00

Received Date/Time: 10/24/2012 19:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-46388-B-4		460-134044		11/01/2012 00:39	1	TAL EDI	EM
A:8260B	460-46388-B-4		460-134044		11/01/2012 00:39	1	TAL EDI	EM

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 460-134043/9		460-134043		10/31/2012 14:22	1	TAL EDI	EM
A:8260B	MB 460-134043/9		460-134043		10/31/2012 14:22	1	TAL EDI	EM
P:5030B	MB 460-134044/5		460-134044		11/01/2012 00:15	1	TAL EDI	EM
A:8260B	MB 460-134044/5		460-134044		11/01/2012 00:15	1	TAL EDI	EM
P:3510C	MB 460-133851/1-A		460-134248	460-133851	10/27/2012 19:10	1	TAL EDI	KVR
A:8270C	MB 460-133851/1-A		460-134248	460-133851	11/01/2012 00:13	1	TAL EDI	MC
P:3510C	MB 460-133851/1-A		460-134292	460-133851	10/27/2012 19:10	1	TAL EDI	KVR
A:8270C SIM	MB 460-133851/1-A		460-134292	460-133851	11/01/2012 22:09	1	TAL EDI	CZ
P:3010A	MB 460-133764/1-A		460-133827	460-133764	10/26/2012 16:53	1	TAL EDI	EAE
A:6010B	MB 460-133764/1-A		460-133827	460-133764	10/27/2012 12:58	1	TAL EDI	CDC
P:3010A	MB 460-134200/1-C		460-134290	460-134204	11/02/2012 09:04	1	TAL EDI	MC
A:6010B	MB 460-134200/1-C		460-134290	460-134204	11/02/2012 14:16	1	TAL EDI	CDC
P:3010A	MB 460-134200/1-B		460-134290	460-134211	11/02/2012 09:31	1	TAL EDI	MC
A:6010B	MB 460-134200/1-B		460-134290	460-134211	11/02/2012 15:44	1	TAL EDI	CDC
P:3010A	MB 460-137229/1-B		460-137326	460-137227	11/28/2012 08:52	1	TAL EDI	MC
A:6010B	MB 460-137229/1-B		460-137326	460-137227	11/28/2012 16:29	1	TAL EDI	CDC
P:7470A	MB 460-133760/1-B		460-133790	460-133766	10/26/2012 17:17	1	TAL EDI	TS
A:7470A	MB 460-133760/1-B		460-133790	460-133766	10/26/2012 20:08	1	TAL EDI	TS
P:7470A	MB 460-133767/10-A		460-133790	460-133767	10/26/2012 17:37	1	TAL EDI	TS
A:7470A	MB 460-133767/10-A		460-133790	460-133767	10/26/2012 21:12	1	TAL EDI	TS

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 460-134043/8		460-134043		10/31/2012 13:12	1	TAL EDI	EM
A:8260B	LCS 460-134043/8		460-134043		10/31/2012 13:12	1	TAL EDI	EM
P:5030B	LCS 460-134044/3		460-134044		10/31/2012 22:29	1	TAL EDI	EM
A:8260B	LCS 460-134044/3		460-134044		10/31/2012 22:29	1	TAL EDI	EM
P:3510C	LCS 460-133851/2-A		460-134248	460-133851	10/27/2012 19:10	1	TAL EDI	KVR
A:8270C	LCS 460-133851/2-A		460-134248	460-133851	11/01/2012 00:35	1	TAL EDI	MC
P:3010A	LCS 460-133764/2-A		460-133827	460-133764	10/26/2012 16:53	1	TAL EDI	EAE
A:6010B	LCS 460-133764/2-A		460-133827	460-133764	10/27/2012 12:47	1	TAL EDI	CDC
P:3010A	LCS 460-134211/2-A		460-134290	460-134211	11/02/2012 09:31	1	TAL EDI	MC
A:6010B	LCS 460-134211/2-A		460-134290	460-134211	11/02/2012 15:33	1	TAL EDI	CDC
P:3010A	LCS 460-137227/2-A		460-137326	460-137227	11/28/2012 08:52	1	TAL EDI	MC
A:6010B	LCS 460-137227/2-A		460-137326	460-137227	11/28/2012 16:18	1	TAL EDI	CDC
P:7470A	LCS 460-133766/12-A		460-133790	460-133766	10/26/2012 17:17	1	TAL EDI	TS
A:7470A	LCS 460-133766/12-A		460-133790	460-133766	10/26/2012 20:10	1	TAL EDI	TS
P:7470A	LCS 460-133767/11-A		460-133790	460-133767	10/26/2012 17:37	1	TAL EDI	TS
A:7470A	LCS 460-133767/11-A		460-133790	460-133767	10/26/2012 21:16	1	TAL EDI	TS

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Laboratory Chronicle

Lab ID: LCSD

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:5030B	LCSD 460-134044/4		460-134044		10/31/2012 22:53	1	TAL EDI	EM
A:8260B	LCSD 460-134044/4		460-134044		10/31/2012 22:53	1	TAL EDI	EM
P:3510C	LCSD		460-134248	460-133851	10/27/2012 19:10	1	TAL EDI	KVR
	460-133851/3-A							
A:8270C	LCSD		460-134248	460-133851	11/01/2012 00:57	1	TAL EDI	MC
	460-133851/3-A							

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:3010A	460-46402-F-1-C MS		460-133827	460-133764	10/26/2012 16:53	1	TAL EDI	EAE
A:6010B	460-46402-F-1-C MS		460-133827	460-133764	10/27/2012 13:06	1	TAL EDI	CDC
P:3010A	460-46540-C-3-C MS		460-134290	460-134211	11/02/2012 09:31	1	TAL EDI	MC
A:6010B	460-46540-C-3-C MS		460-134290	460-134211	11/02/2012 15:22	1	TAL EDI	CDC
P:3010A	460-47127-A-3-T MS		460-137326	460-137227	11/28/2012 08:52	1	TAL EDI	MC
A:6010B	460-47127-A-3-T MS		460-137326	460-137227	11/28/2012 16:11	1	TAL EDI	CDC
P:7470A	460-46192-E-4-L MS		460-133790	460-133766	10/26/2012 17:17	1	TAL EDI	TS
A:7470A	460-46192-E-4-L MS		460-133790	460-133766	10/26/2012 20:18	1	TAL EDI	TS
P:7470A	460-46427-I-1-C MS		460-133790	460-133767	10/26/2012 17:37	1	TAL EDI	TS
A:7470A	460-46427-I-1-C MS		460-133790	460-133767	10/26/2012 21:21	1	TAL EDI	TS

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:3010A	460-46402-F-1-B DU		460-133827	460-133764	10/26/2012 16:53	1	TAL EDI	EAE
A:6010B	460-46402-F-1-B DU		460-133827	460-133764	10/27/2012 12:40	1	TAL EDI	CDC
P:3010A	460-46540-C-3-B DU		460-134290	460-134211	11/02/2012 09:31	1	TAL EDI	MC
A:6010B	460-46540-C-3-B DU		460-134290	460-134211	11/02/2012 15:11	1	TAL EDI	CDC
P:3010A	460-47127-A-3-S DU		460-137326	460-137227	11/28/2012 08:52	1	TAL EDI	MC
A:6010B	460-47127-A-3-S DU		460-137326	460-137227	11/28/2012 16:00	1	TAL EDI	CDC
P:7470A	460-46192-E-4-K DU		460-133790	460-133766	10/26/2012 17:17	1	TAL EDI	TS
A:7470A	460-46192-E-4-K DU		460-133790	460-133766	10/26/2012 20:14	1	TAL EDI	TS
P:7470A	460-46427-I-1-B DU		460-133790	460-133767	10/26/2012 17:37	1	TAL EDI	TS
A:7470A	460-46427-I-1-B DU		460-133790	460-133767	10/26/2012 21:20	1	TAL EDI	TS

Quality Control Results

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

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:3010A	460-46402-F-1-A SD ^5		460-133827	460-133764	10/26/2012 16:53	5	TAL EDI	EAE
A:6010B	460-46402-F-1-A SD ^5		460-133827	460-133764	10/27/2012 13:02	5	TAL EDI	CDC
P:3010A	460-46402-F-1-A PDS		460-133827	460-133764	10/26/2012 16:53	1	TAL EDI	EAE
A:6010B	460-46402-F-1-A PDS		460-133827	460-133764	10/27/2012 13:09	1	TAL EDI	CDC
P:3010A	460-46540-C-3-A SD ^5		460-134290	460-134211	11/02/2012 09:31	5	TAL EDI	MC
A:6010B	460-46540-C-3-A SD ^5		460-134290	460-134211	11/02/2012 15:18	5	TAL EDI	CDC
P:3010A	460-46540-C-3-A PDS		460-134290	460-134211	11/02/2012 09:31	1	TAL EDI	MC
A:6010B	460-46540-C-3-A PDS		460-134290	460-134211	11/02/2012 15:25	1	TAL EDI	CDC
P:3010A	460-47127-A-3-R SD ^5		460-137326	460-137227	11/28/2012 08:52	5	TAL EDI	MC
A:6010B	460-47127-A-3-R SD ^5		460-137326	460-137227	11/28/2012 16:08	5	TAL EDI	CDC
P:3010A	460-47127-A-3-R PDS		460-137326	460-137227	11/28/2012 08:52	1	TAL EDI	MC
A:6010B	460-47127-A-3-R PDS		460-137326	460-137227	11/28/2012 16:15	1	TAL EDI	CDC
P:7470A	460-46192-E-4-J SD ^5		460-133790	460-133766	10/26/2012 17:17	5	TAL EDI	TS
A:7470A	460-46192-E-4-J SD ^5		460-133790	460-133766	10/26/2012 21:07	5	TAL EDI	TS
P:7470A	460-46427-I-1-A SD ^5		460-133790	460-133767	10/26/2012 17:37	5	TAL EDI	TS
A:7470A	460-46427-I-1-A SD ^5		460-133790	460-133767	10/26/2012 22:08	5	TAL EDI	TS

Lab References:

TAL EDI = TestAmerica Edison

Method 8260 DEL

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): Rtx-VMS ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
WG-17338-102212-MW 30-MM-264	460-46388-1	95	101	105
WG-17338-102212-MW 36S-MM-265	460-46388-2	99	96	106
WG-17338-102212-MW 36S-MM-265 DL	460-46388-2 DL	98 D	100 D	101 D
WG-17338-102312-MW 36D-MM-266	460-46388-3	105	102	101
WG-17338-102312-MW 36D-MM-266 DL	460-46388-3 DL	93 D	100 D	103 D
TB-17338-102312-26 7	460-46388-4	97	100	104
	MB 460-134043/9	107	101	100
	MB 460-134044/5	95	99	103
	LCS 460-134043/8	101	100	102
	LCS 460-134044/3	100	99	100
	LCSD 460-134044/4	102	99	100
WG-17338-102212-MW 30-MM-264 MS	460-46388-1 MS	101	100	98
WG-17338-102212-MW 30-MM-264 MSD	460-46388-1 MSD	109	100	100

	<u>QC LIMITS</u>
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-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.: 460-46388-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: e09476.d
 Lab ID: LCS 460-134043/8 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	19.2	96	74-128	
Dichlorodifluoromethane	20.0	21.0	105	46-145	
Chloromethane	20.0	20.1	100	58-146	
Vinyl chloride	20.0	20.2	101	61-144	
Bromomethane	20.0	20.4	102	55-153	
1,2-Dibromo-3-Chloropropane	20.0	20.3	102	70-116	
1,2-Dichlorobenzene	20.0	19.3	96	82-122	
Trichlorofluoromethane	20.0	22.1	110	69-147	
1,1-Dichloroethene	20.0	19.9	99	56-139	
1,2-Dichloropropane	20.0	19.6	98	80-120	
1,1,2-Trichloro-1,2,2-trifluor oethane	20.0	19.0	95	47-139	
Acetone	20.0	35.0	175	45-156	*
Carbon disulfide	20.0	19.7	98	58-139	
Methyl acetate	20.0	20.3	102	50-151	
Methylene Chloride	20.0	19.3	97	79-119	
trans-1,2-Dichloroethene	20.0	18.4	92	75-122	
Chlorodibromomethane	20.0	19.6	98	80-120	
Methyl tert-butyl ether	20.0	19.6	98	71-115	
Chloroethane	20.0	20.8	104	69-145	
1,1-Dichloroethane	20.0	19.1	96	78-122	
cis-1,2-Dichloroethene	20.0	19.3	97	80-120	
2-Butanone (MEK)	20.0	22.2	111	65-114	
Chloroform	20.0	20.8	104	82-123	
Ethylbenzene	20.0	19.7	98	79-126	
Cyclohexane	20.0	19.8	99	58-133	
Carbon tetrachloride	20.0	19.2	96	73-120	
Benzene	20.0	18.9	94	83-124	
1,2-Dichloroethane	20.0	20.0	100	74-118	
Trichloroethene	20.0	19.4	97	78-119	
Methylcyclohexane	20.0	19.4	97	61-129	
Dichlorobromomethane	20.0	19.6	98	79-119	
cis-1,3-Dichloropropene	20.0	19.2	96	80-120	
4-Methyl-2-pentanone (MIBK)	20.0	20.1	101	53-120	
Toluene	20.0	19.2	96	80-120	
trans-1,3-Dichloropropene	20.0	19.5	97	78-118	
1,1,2-Trichloroethane	20.0	19.0	95	79-119	
Tetrachloroethene	20.0	19.4	97	68-139	
2-Hexanone	20.0	22.8	114	53-121	
1,2-Dibromoethane	20.0	19.4	97	78-118	
Chlorobenzene	20.0	19.4	97	81-121	
Xylenes, Total	60.0	57.5	96	76-121	

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.: 460-46388-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: e09476.d
Lab ID: LCS 460-134043/8 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Styrene	20.0	19.2	96	69-112	
Bromoform	20.0	18.9	94	73-123	
Isopropylbenzene	20.0	19.6	98	80-125	
1,1,2,2-Tetrachloroethane	20.0	19.9	99	74-126	
1,3-Dichlorobenzene	20.0	19.5	98	81-126	
1,4-Dichlorobenzene	20.0	19.5	97	83-123	
1,2,4-Trichlorobenzene	20.0	21.0	105	66-120	

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.: 460-46388-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: e09492.d
 Lab ID: LCS 460-134044/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	21.3	107	74-128	
Dichlorodifluoromethane	20.0	24.6	123	46-145	
Chloromethane	20.0	25.2	126	58-146	
Vinyl chloride	20.0	25.2	126	61-144	
Bromomethane	20.0	24.1	121	55-153	
1,2-Dibromo-3-Chloropropane	20.0	20.0	100	70-116	
1,2-Dichlorobenzene	20.0	20.5	102	82-122	
Trichlorofluoromethane	20.0	26.3	131	69-147	
1,1-Dichloroethene	20.0	20.0	100	56-139	
1,2-Dichloropropane	20.0	20.4	102	80-120	
1,1,2-Trichloro-1,2,2-trifluor oethane	20.0	22.8	114	47-139	
Acetone	20.0	21.6	108	45-156	
Carbon disulfide	20.0	22.0	110	58-139	
Methyl acetate	20.0	21.0	105	50-151	
Methylene Chloride	20.0	20.5	103	79-119	
trans-1,2-Dichloroethene	20.0	19.6	98	75-122	
Chlorodibromomethane	20.0	19.9	99	80-120	
Methyl tert-butyl ether	20.0	22.2	111	71-115	
Chloroethane	20.0	24.8	124	69-145	
1,1-Dichloroethane	20.0	20.5	102	78-122	
cis-1,2-Dichloroethene	20.0	20.2	101	80-120	
2-Butanone (MEK)	20.0	21.6	108	65-114	
Chloroform	20.0	20.9	104	82-123	
Ethylbenzene	20.0	20.6	103	79-126	
Cyclohexane	20.0	22.9	115	58-133	
Carbon tetrachloride	20.0	20.3	101	73-120	
Benzene	20.0	19.2	96	83-124	
1,2-Dichloroethane	20.0	20.8	104	74-118	
Trichloroethene	20.0	20.4	102	78-119	
Methylcyclohexane	20.0	23.4	117	61-129	
Dichlorobromomethane	20.0	20.9	105	79-119	
cis-1,3-Dichloropropene	20.0	19.5	97	80-120	
4-Methyl-2-pentanone (MIBK)	20.0	21.6	108	53-120	
Toluene	20.0	19.8	99	80-120	
trans-1,3-Dichloropropene	20.0	19.8	99	78-118	
1,1,2-Trichloroethane	20.0	19.6	98	79-119	
Tetrachloroethene	20.0	20.3	101	68-139	
2-Hexanone	20.0	23.0	115	53-121	
1,2-Dibromoethane	20.0	19.6	98	78-118	
Chlorobenzene	20.0	20.8	104	81-121	
Xylenes, Total	60.0	61.3	102	76-121	

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.: 460-46388-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: e09492.d
Lab ID: LCS 460-134044/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Styrene	20.0	20.9	104	69-112	
Bromoform	20.0	19.9	99	73-123	
Isopropylbenzene	20.0	20.7	104	80-125	
1,1,2,2-Tetrachloroethane	20.0	20.5	103	74-126	
1,3-Dichlorobenzene	20.0	20.8	104	81-126	
1,4-Dichlorobenzene	20.0	20.7	104	83-123	
1,2,4-Trichlorobenzene	20.0	19.5	98	66-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: e09493.d
Lab ID: LCSD 460-134044/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	20.0	21.6	108	1	30	74-128	
Dichlorodifluoromethane	20.0	26.1	131	6	30	46-145	
Chloromethane	20.0	25.3	127	1	30	58-146	
Vinyl chloride	20.0	25.2	126	0	30	61-144	
Bromomethane	20.0	23.9	119	1	30	55-153	
1,2-Dibromo-3-Chloropropane	20.0	22.0	110	9	30	70-116	
1,2-Dichlorobenzene	20.0	20.9	104	2	30	82-122	
Trichlorofluoromethane	20.0	25.1	125	5	30	69-147	
1,1-Dichloroethene	20.0	19.9	100	0	30	56-139	
1,2-Dichloropropane	20.0	21.0	105	3	30	80-120	
1,1,2-Trichloro-1,2,2-trifluor oethane	20.0	23.0	115	1	30	47-139	
Acetone	20.0	33.7	168	44	30	45-156	*
Carbon disulfide	20.0	22.5	113	2	30	58-139	
Methyl acetate	20.0	23.1	116	10	30	50-151	
Methylene Chloride	20.0	21.0	105	3	30	79-119	
trans-1,2-Dichloroethene	20.0	20.2	101	3	30	75-122	
Chlorodibromomethane	20.0	20.8	104	4	30	80-120	
Methyl tert-butyl ether	20.0	22.6	113	2	30	71-115	
Chloroethane	20.0	24.4	122	2	30	69-145	
1,1-Dichloroethane	20.0	20.0	100	2	30	78-122	
cis-1,2-Dichloroethene	20.0	20.2	101	0	30	80-120	
2-Butanone (MEK)	20.0	23.7	119	9	30	65-114	*
Chloroform	20.0	21.3	106	2	30	82-123	
Ethylbenzene	20.0	21.0	105	2	30	79-126	
Cyclohexane	20.0	24.0	120	5	30	58-133	
Carbon tetrachloride	20.0	20.6	103	1	30	73-120	
Benzene	20.0	19.5	97	2	30	83-124	
1,2-Dichloroethane	20.0	21.7	109	4	30	74-118	
Trichloroethene	20.0	20.3	102	0	30	78-119	
Methylcyclohexane	20.0	23.6	118	1	30	61-129	
Dichlorobromomethane	20.0	21.4	107	2	30	79-119	
cis-1,3-Dichloropropene	20.0	19.7	98	1	30	80-120	
4-Methyl-2-pentanone (MIBK)	20.0	23.8	119	10	30	53-120	
Toluene	20.0	20.1	101	2	30	80-120	
trans-1,3-Dichloropropene	20.0	20.5	102	3	30	78-118	
1,1,2-Trichloroethane	20.0	20.3	101	3	30	79-119	
Tetrachloroethene	20.0	20.7	103	2	30	68-139	
2-Hexanone	20.0	28.9	144	23	30	53-121	*
1,2-Dibromoethane	20.0	21.0	105	7	30	78-118	
Chlorobenzene	20.0	21.1	106	2	30	81-121	
Xylenes, Total	60.0	62.5	104	2	30	76-121	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: e09493.d
 Lab ID: LCSD 460-134044/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Styrene	20.0	21.4	107	2	30	69-112	
Bromoform	20.0	21.4	107	8	30	73-123	
Isopropylbenzene	20.0	21.2	106	3	30	80-125	
1,1,2,2-Tetrachloroethane	20.0	22.3	112	8	30	74-126	
1,3-Dichlorobenzene	20.0	21.0	105	1	30	81-126	
1,4-Dichlorobenzene	20.0	20.9	105	1	30	83-123	
1,2,4-Trichlorobenzene	20.0	20.1	101	3	30	66-120	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: e09485.d
 Lab ID: 460-46388-1 MS Client ID: WG-17338-102212-MW30-MM-264 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	200	0.060 U	194	97	74-128	
Dichlorodifluoromethane	200	0.22 U	200	100	46-145	
Chloromethane	200	0.10 U	195	97	58-146	
Vinyl chloride	200	0.14 U	194	97	61-144	
Bromomethane	200	0.18 U	205	103	55-153	
1,2-Dibromo-3-Chloropropane	200	0.40 U	211	106	70-116	
1,2-Dichlorobenzene	200	0.41 J	192	96	82-122	
Trichlorofluoromethane	200	0.15 U	289	144	69-147	
1,1-Dichloroethene	200	0.090 U	174	87	56-139	
1,2-Dichloropropane	200	0.090 U	201	101	80-120	
1,1,2-Trichloro-1,2,2-trifluor oethane	200	0.080 U	167	84	47-139	
Acetone	200	2.7 U	249	124	45-156	
Carbon disulfide	200	0.13 U	168	84	58-139	
Methyl acetate	200	0.34 U	178	89	50-151	
Methylene Chloride	200	0.18 U	193	96	79-119	
trans-1,2-Dichloroethene	200	0.13 U	179	89	75-122	
Chlorodibromomethane	200	0.20 U	204	102	80-120	
Methyl tert-butyl ether	200	0.14 U	190	95	71-115	
Chloroethane	200	0.17 U	263	132	69-145	
1,1-Dichloroethane	200	0.13 U	187	93	78-122	
cis-1,2-Dichloroethene	200	0.18 U	195	98	80-120	
2-Butanone (MEK)	200	2.3 U	190	95	65-114	
Chloroform	200	0.080 U	209	105	82-123	
Ethylbenzene	200	0.27 J	196	98	79-126	
Cyclohexane	200	3.7	196	96	58-133	
Carbon tetrachloride	200	0.060 U	196	98	73-120	
Benzene	200	1.8	200	99	83-124	
1,2-Dichloroethane	200	0.19 U	206	103	74-118	
Trichloroethene	200	0.090 U	193	97	78-119	
Methylcyclohexane	200	1.9	188	93	61-129	
Dichlorobromomethane	200	0.12 U	205	102	79-119	
cis-1,3-Dichloropropene	200	0.18 U	197	99	80-120	
4-Methyl-2-pentanone (MIBK)	200	0.99 U	204	102	53-120	
Toluene	200	0.15 U	194	97	80-120	
trans-1,3-Dichloropropene	200	0.24 U	197	99	78-118	
1,1,2-Trichloroethane	200	0.19 U	199	99	79-119	
Tetrachloroethene	200	1.0	192	95	68-139	
2-Hexanone	200	0.50 U	205	103	53-121	
1,2-Dibromoethane	200	0.28 U	201	100	78-118	
Chlorobenzene	200	0.11 U	192	96	81-121	
Xylenes, Total	600	1.3 J	582	97	76-121	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: e09485.d
Lab ID: 460-46388-1 MS Client ID: WG-17338-102212-MW30-MM-264 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Styrene	200	0.12 U	191	96	69-112	
Bromoform	200	0.19 U	196	98	73-123	
Isopropylbenzene	200	0.62 J	193	96	80-125	
1,1,2,2-Tetrachloroethane	200	0.16 U	201	100	74-126	
1,3-Dichlorobenzene	200	0.14 U	192	96	81-126	
1,4-Dichlorobenzene	200	0.23 U	191	95	83-123	
1,2,4-Trichlorobenzene	200	0.34 U	191	96	66-120	

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.: 460-46388-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: e09486.d
 Lab ID: 460-46388-1 MSD Client ID: WG-17338-102212-MW30-MM-264 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	200	184	92	6	30	74-128	
Dichlorodifluoromethane	200	197	98	1	30	46-145	
Chloromethane	200	195	97	0	30	58-146	
Vinyl chloride	200	193	97	0	30	61-144	
Bromomethane	200	208	104	1	30	55-153	
1,2-Dibromo-3-Chloropropane	200	206	103	2	30	70-116	
1,2-Dichlorobenzene	200	188	94	2	30	82-122	
Trichlorofluoromethane	200	284	142	2	30	69-147	
1,1-Dichloroethene	200	173	86	1	30	56-139	
1,2-Dichloropropane	200	197	99	2	30	80-120	
1,1,2-Trichloro-1,2,2-trifluor oethane	200	171	86	2	30	47-139	
Acetone	200	239	119	4	30	45-156	
Carbon disulfide	200	166	83	1	30	58-139	
Methyl acetate	200	177	89	1	30	50-151	
Methylene Chloride	200	193	96	0	30	79-119	
trans-1,2-Dichloroethene	200	178	89	0	30	75-122	
Chlorodibromomethane	200	196	98	4	30	80-120	
Methyl tert-butyl ether	200	186	93	2	30	71-115	
Chloroethane	200	252	126	4	30	69-145	
1,1-Dichloroethane	200	186	93	0	30	78-122	
cis-1,2-Dichloroethene	200	192	96	2	30	80-120	
2-Butanone (MEK)	200	175	88	8	30	65-114	
Chloroform	200	205	102	2	30	82-123	
Ethylbenzene	200	192	96	2	30	79-126	
Cyclohexane	200	191	94	2	30	58-133	
Carbon tetrachloride	200	195	98	0	30	73-120	
Benzene	200	192	95	4	30	83-124	
1,2-Dichloroethane	200	199	100	3	30	74-118	
Trichloroethene	200	190	95	2	30	78-119	
Methylcyclohexane	200	186	92	1	30	61-129	
Dichlorobromomethane	200	199	99	3	30	79-119	
cis-1,3-Dichloropropene	200	188	94	5	30	80-120	
4-Methyl-2-pentanone (MIBK)	200	190	95	7	30	53-120	
Toluene	200	189	94	3	30	80-120	
trans-1,3-Dichloropropene	200	188	94	5	30	78-118	
1,1,2-Trichloroethane	200	191	96	4	30	79-119	
Tetrachloroethene	200	186	92	3	30	68-139	
2-Hexanone	200	197	99	4	30	53-121	
1,2-Dibromoethane	200	192	96	4	30	78-118	
Chlorobenzene	200	190	95	1	30	81-121	
Xylenes, Total	600	570	95	2	30	76-121	

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.: 460-46388-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: e09486.d
 Lab ID: 460-46388-1 MSD Client ID: WG-17338-102212-MW30-MM-264 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Styrene	200	190	95	1	30	69-112	
Bromoform	200	190	95	3	30	73-123	
Isopropylbenzene	200	191	95	1	30	80-125	
1,1,2,2-Tetrachloroethane	200	199	100	1	30	74-126	
1,3-Dichlorobenzene	200	189	94	2	30	81-126	
1,4-Dichlorobenzene	200	188	94	2	30	83-123	
1,2,4-Trichlorobenzene	200	195	97	2	30	66-120	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Lab File ID: e09479.d Lab Sample ID: MB 460-134043/9
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: VOAMS5 Date Analyzed: 10/31/2012 14:22
GC Column: Rtx-VMS ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-134043/8	e09476.d	10/31/2012 13:12
WG-17338-102212-MW36S-MM-265	460-46388-2	e09481.d	10/31/2012 15:09
WG-17338-102312-MW36D-MM-266	460-46388-3	e09482.d	10/31/2012 15:32
WG-17338-102212-MW30-MM-264 MS	460-46388-1 MS	e09485.d	10/31/2012 16:42
WG-17338-102212-MW30-MM-264 MSD	460-46388-1 MSD	e09486.d	10/31/2012 17:05

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Lab File ID: e09496.d Lab Sample ID: MB 460-134044/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: VOAMS5 Date Analyzed: 11/01/2012 00:15
GC Column: Rtx-VMS ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-134044/3	e09492.d	10/31/2012 22:29
	LCSD 460-134044/4	e09493.d	10/31/2012 22:53
TB-17338-102312-267	460-46388-4	e09497.d	11/01/2012 00:39
WG-17338-102212-MW30-MM-264	460-46388-1	e09499.d	11/01/2012 01:25
WG-17338-102212-MW36S-MM-265 DL	460-46388-2 DL	e09500.d	11/01/2012 01:49
WG-17338-102312-MW36D-MM-266 DL	460-46388-3 DL	e09501.d	11/01/2012 02:12

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Lab File ID: e09461.d BFB Injection Date: 10/31/2012
Instrument ID: VOAMS5 BFB Injection Time: 07:30
Analysis Batch No.: 134043

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	21.8
75	30.0 - 60.0 % of mass 95	51.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.3
173	Less than 2.0 % of mass 174	1.0 (1.1) 1
174	50.0 - 120.00 % of mass 95	90.9
175	5.0 - 9.0 % of mass 174	7.4 (8.1) 1
176	95.0 - 101.0 % of mass 174	88.1 (96.9) 1
177	5.0 - 9.0 % of mass 176	5.2 (5.9) 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 460-134043/2	e09463.d	10/31/2012	08:08
	IC 460-134043/3	e09465.d	10/31/2012	08:55
	ICIS 460-134043/4	e09466.d	10/31/2012	09:18
	IC 460-134043/5	e09467.d	10/31/2012	09:41
	IC 460-134043/6	e09468.d	10/31/2012	10:05
	IC 460-134043/7	e09469.d	10/31/2012	10:28
	LCS 460-134043/8	e09476.d	10/31/2012	13:12
	MB 460-134043/9	e09479.d	10/31/2012	14:22
WG-17338-102212-MW36S-M-265	460-46388-2	e09481.d	10/31/2012	15:09
WG-17338-102312-MW36D-M-266	460-46388-3	e09482.d	10/31/2012	15:32
WG-17338-102212-MW30-MM-264 MS	460-46388-1 MS	e09485.d	10/31/2012	16:42
WG-17338-102212-MW30-MM-264 MSD	460-46388-1 MSD	e09486.d	10/31/2012	17:05
	CCV 460-134043/14	e09489.d	10/31/2012	18:15

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Lab File ID: e09490.d BFB Injection Date: 10/31/2012
Instrument ID: VOAMS5 BFB Injection Time: 20:32
Analysis Batch No.: 134044

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	23.9
75	30.0 - 60.0 % of mass 95	54.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	1.2 (1.4) 1
174	50.0 - 120.00 % of mass 95	83.5
175	5.0 - 9.0 % of mass 174	6.6 (7.9) 1
176	95.0 - 101.0 % of mass 174	81.4 (97.4) 1
177	5.0 - 9.0 % of mass 176	5.8 (7.2) 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 460-134044/2	e09491.d	10/31/2012	20:54
	LCS 460-134044/3	e09492.d	10/31/2012	22:29
	LCSD 460-134044/4	e09493.d	10/31/2012	22:53
	MB 460-134044/5	e09496.d	11/01/2012	00:15
TB-17338-102312-267	460-46388-4	e09497.d	11/01/2012	00:39
WG-17338-102212-MW30-MM-264	460-46388-1	e09499.d	11/01/2012	01:25
WG-17338-102212-MW36S-M-265 DL	460-46388-2 DL	e09500.d	11/01/2012	01:49
WG-17338-102312-MW36D-M-266 DL	460-46388-3 DL	e09501.d	11/01/2012	02:12
	CCV 460-134044/12	e09507.d	11/01/2012	04:32

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Sample No.: ICIS 460-134043/4 Date Analyzed: 10/31/2012 09:18
 Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm)
 Lab File ID (Standard): e09466.d Heated Purge: (Y/N) N
 Calibration ID: 18335

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		902852	3.59	1251219	6.95	900125	10.47
UPPER LIMIT		1805704	4.09	2502438	7.45	1800250	10.97
LOWER LIMIT		451426	3.09	625610	6.45	450063	9.97
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-134043/8		932501	3.59	1305466	6.95	915148	10.47
MB 460-134043/9		887774	3.59	1207308	6.95	844324	10.47
460-46388-2	WG-17338-102212-MW36S -MM-265	983106	3.60	1413848	6.96	933531	10.47
460-46388-3	WG-17338-102312-MW36D -MM-266	984250	3.59	1296332	6.95	905443	10.47
460-46388-1 MS	WG-17338-102212-MW30- MM-264 MS	877185	3.59	1202350	6.95	869788	10.47
460-46388-1 MSD	WG-17338-102212-MW30- MM-264 MSD	877623	3.60	1225643	6.95	876653	10.47
CCV 460-134043/14		880776	3.60	1233178	6.95	886480	10.47

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Sample No.: CCVIS 460-134044/2 Date Analyzed: 10/31/2012 20:54
 Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm)
 Lab File ID (Standard): e09491.d Heated Purge: (Y/N) N
 Calibration ID: 18335

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		900728	3.60	1219766	6.95	859051	10.47
UPPER LIMIT		1801456	4.10	2439532	7.45	1718102	10.97
LOWER LIMIT		450364	3.10	609883	6.45	429526	9.97
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-134044/3		878584	3.60	1251867	6.95	890396	10.47
LCSD 460-134044/4		859660	3.59	1242108	6.95	900910	10.47
MB 460-134044/5		824867	3.59	1176452	6.95	816915	10.47
460-46388-4	TB-17338-102312-267	812427	3.60	1153132	6.95	805473	10.47
460-46388-1	WG-17338-102212-MW30-MM-264	795311	3.59	1138485	6.95	793703	10.47
460-46388-2 DL	WG-17338-102212-MW36S-MM-265 DL	794114	3.60	1111479	6.95	813272	10.47
460-46388-3 DL	WG-17338-102312-MW36D-MM-266 DL	854871	3.59	1176696	6.95	826721	10.47
CCV 460-134044/12		850759	3.59	1230675	6.95	863700	10.47

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.: 460-46388-1
 SDG No.: _____
 Client Sample ID: WG-17338-102212-MW30-MM-2 Lab Sample ID: 460-46388-1
 Matrix: Water Lab File ID: e09499.d
 Analysis Method: 8260B Date Collected: 10/22/2012 10:45
 Sample wt/vol: 5(mL) Date Analyzed: 11/01/2012 01:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 134044 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.060	U	1.0	0.060
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.10	U	1.0	0.10
75-01-4	Vinyl chloride	0.14	U	1.0	0.14
74-83-9	Bromomethane	0.18	U	1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	0.40	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	0.41	J	1.0	0.21
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.090	U	1.0	0.090
78-87-5	1,2-Dichloropropane	0.090	U	1.0	0.090
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	1.0	0.080
67-64-1	Acetone	2.7	U *	5.0	2.7
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
79-20-9	Methyl acetate	0.34	U	2.0	0.34
75-09-2	Methylene Chloride	0.18	U	1.0	0.18
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
124-48-1	Chlorodibromomethane	0.20	U	1.0	0.20
1634-04-4	Methyl tert-butyl ether	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.17	U	1.0	0.17
75-34-3	1,1-Dichloroethane	0.13	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.18	U	1.0	0.18
78-93-3	2-Butanone (MEK)	2.3	U *	5.0	2.3
67-66-3	Chloroform	0.080	U	1.0	0.080
100-41-4	Ethylbenzene	0.27	J	1.0	0.10
110-82-7	Cyclohexane	3.7		1.0	0.16
56-23-5	Carbon tetrachloride	0.060	U	1.0	0.060
71-43-2	Benzene	1.8		1.0	0.080
107-06-2	1,2-Dichloroethane	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.090	U	1.0	0.090
108-87-2	Methylcyclohexane	1.9		1.0	0.14
75-27-4	Dichlorobromomethane	0.12	U	1.0	0.12
10061-01-5	cis-1,3-Dichloropropene	0.18	U	1.0	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	5.0	0.99
108-88-3	Toluene	0.15	U	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	0.24	U	1.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Client Sample ID: WG-17338-102212-MW30-MM-2 Lab Sample ID: 460-46388-1
 Matrix: Water Lab File ID: e09499.d
 Analysis Method: 8260B Date Collected: 10/22/2012 10:45
 Sample wt/vol: 5(mL) Date Analyzed: 11/01/2012 01:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 134044 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	0.19	U	1.0	0.19
127-18-4	Tetrachloroethene	1.0		1.0	0.10
591-78-6	2-Hexanone	0.50	U *	5.0	0.50
106-93-4	1,2-Dibromoethane	0.28	U	1.0	0.28
108-90-7	Chlorobenzene	0.11	U	1.0	0.11
1330-20-7	Xylenes, Total	1.3	J	3.0	0.36
100-42-5	Styrene	0.12	U	1.0	0.12
75-25-2	Bromoform	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.62	J	1.0	0.080
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.0	0.16
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
106-46-7	1,4-Dichlorobenzene	0.23	U	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	0.34	U	1.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		70-130
460-00-4	4-Bromofluorobenzene	105		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: WG-17338-102212-MW30-MM-2 Lab Sample ID: 460-46388-1
Matrix: Water Lab File ID: e09499.d
Analysis Method: 8260B Date Collected: 10/22/2012 10:45
Sample wt/vol: 5(mL) Date Analyzed: 11/01/2012 01:25
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 134044 Units: ug/L
Number TICs Found: 4 TIC Result Total: 38.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	C4H10 Alkane	1.00	8.8	J
	C5H12 Alkane	1.20	9.0	J
	C6H14 Alkane	1.73	14	J
	C10H12 Aromatic	11.66	7.0	J

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09499.d
 Report Date: 01-Nov-2012 10:15

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09499.d
 Lab Smp Id: 460-46388-B-1
 Inj Date : 01-NOV-2012 01:25
 Operator : GC/MS VOAMS5
 Smp Info : 460-46388-B-1
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/8260DE_09.m
 Meth Date : 01-Nov-2012 05:10 audberto Quant Type: ISTD
 Cal Date : 31-OCT-2012 20:54 Cal File: e09491.d
 Als bottle: 9
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2
 Inst ID: VOAMS5.i
 Compound Sublist: HSLDEL.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
44 Cyclohexane		56	2.784	2.778 (0.774)		38045	3.68952	3.7
48 Benzene		78	3.260	3.260 (0.469)		46721	1.76992	1.8
\$ 47 1,2-Dichloroethane-d4 (SUR)		65	3.363	3.363 (0.936)		349462	47.4749	47
* 52 Fluorobenzene		96	3.595	3.595 (1.000)		795311	50.0000	
56 Methyl cyclohexane		83	3.729	3.729 (1.037)		17061	1.91279	1.9
\$ 65 Toluene-d8 (SUR)		98	5.107	5.107 (0.734)		1180104	50.2811	50
71 Tetrachloroethene		166	5.582	5.582 (0.803)		7926	1.00960	1.0
* 78 Chlorobenzene-d5		117	6.954	6.954 (1.000)		1138485	50.0000	
81 Ethylbenzene		106	7.064	7.064 (1.016)		3087	0.27415	0.27(a)
82 m+p-Xylene		106	7.277	7.277 (1.046)		18601	1.28177	1.3
88 Isopropylbenzene		105	8.344	8.344 (1.200)		22110	0.62212	0.62(a)
\$ 89 Bromofluorobenzene (SUR)		174	8.710	8.710 (0.832)		595177	52.6174	53
* 108 1,4-Dichlorobenzene-d4		152	10.465	10.466 (1.000)		793703	50.0000	
111 1,2-Dichlorobenzene		146	11.148	11.148 (1.065)		6794	0.40610	0.41(a)
M 121 Xylene (Total)		100				18601	1.28177	1.3(a)

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09499.d
Report Date: 01-Nov-2012 10:15

QC Flag Legend

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

Data File: e09499.d

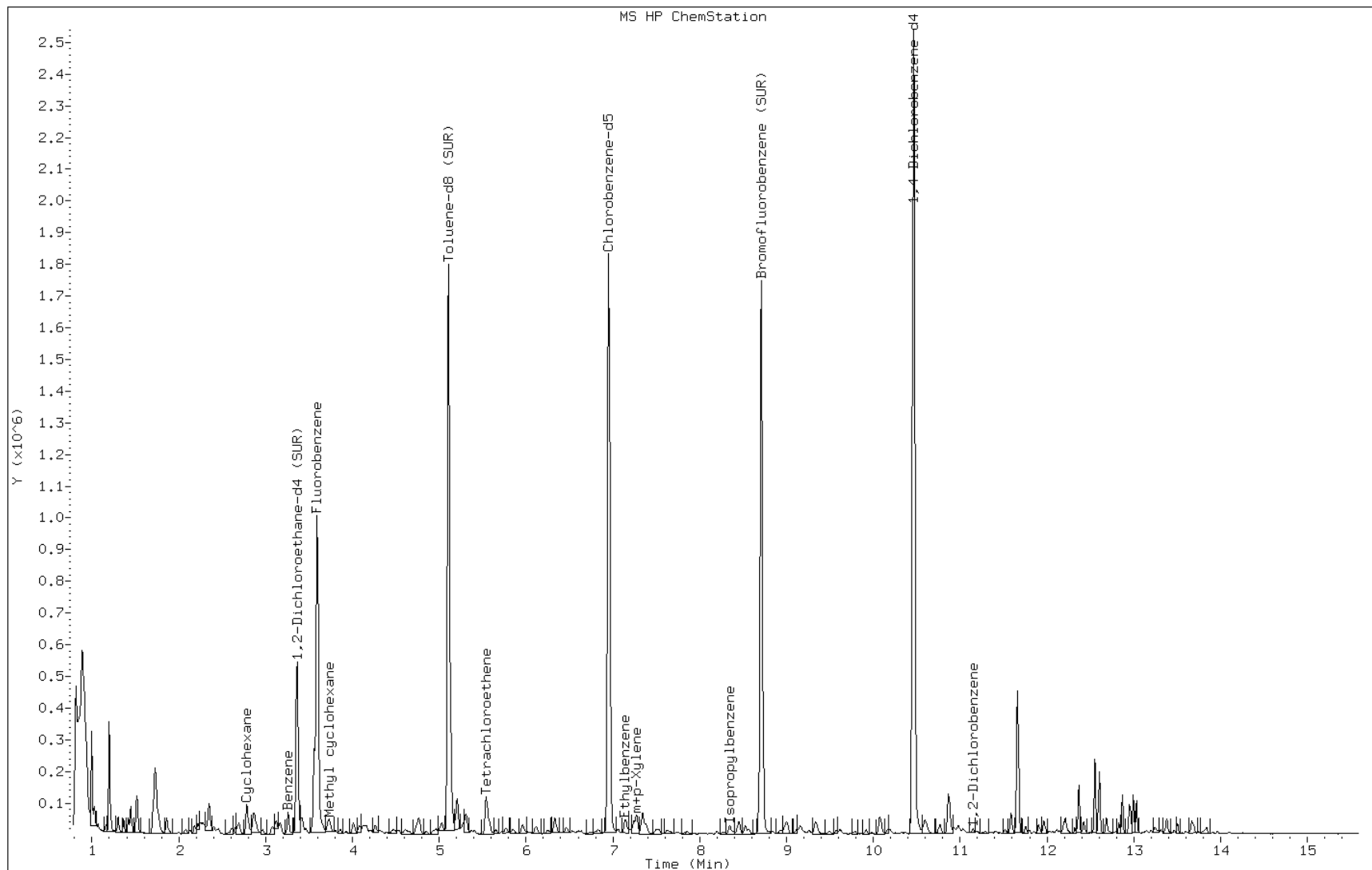
Date: 01-NOV-2012 01:25

Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-1

Operator: GC/MS VOAMS5



Data File: e09499.d

Date: 01-NOV-2012 01:25

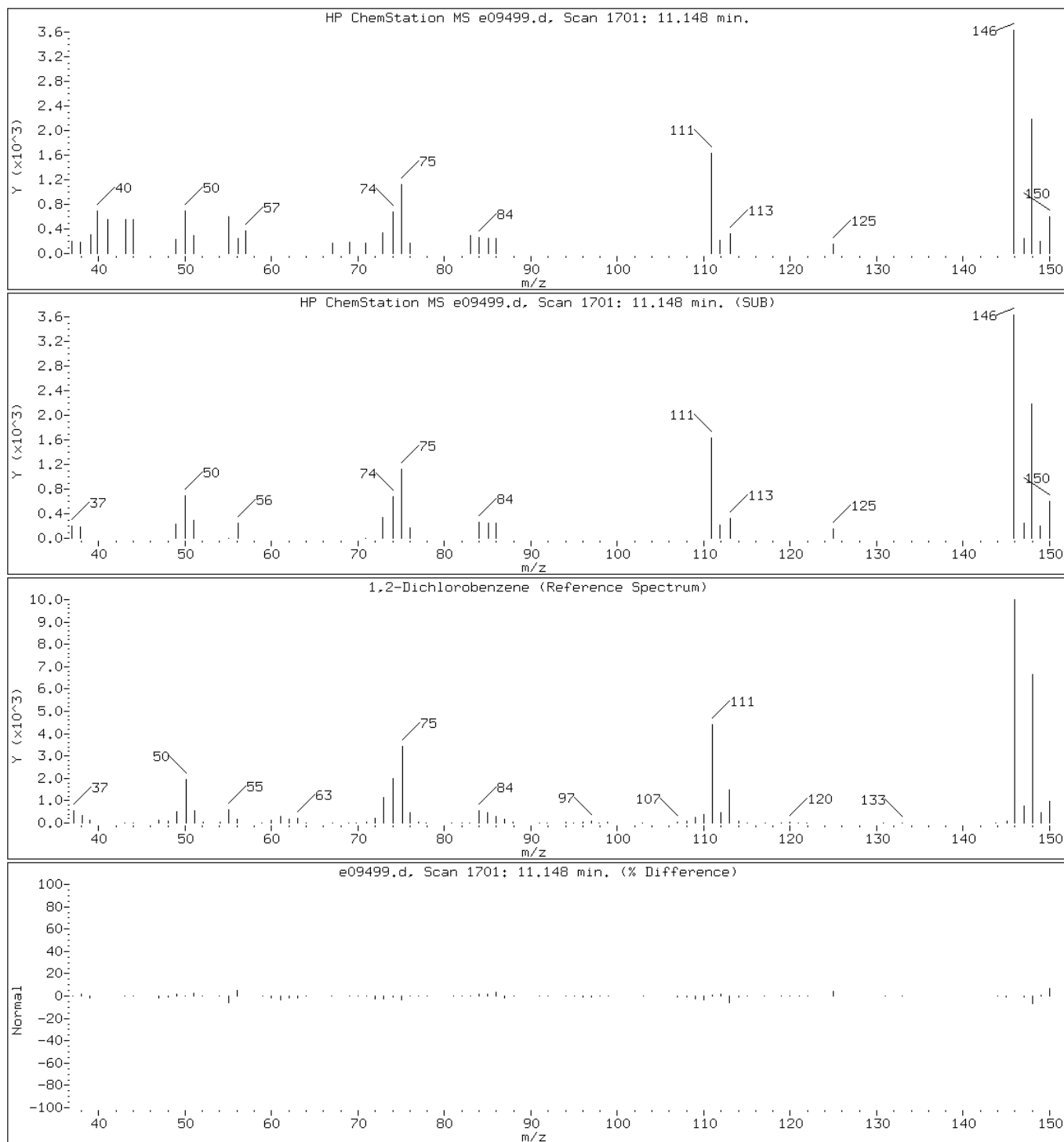
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-1

Operator: GC/MS VOAMS5

111 1,2-Dichlorobenzene



Data File: e09499.d

Date: 01-NOV-2012 01:25

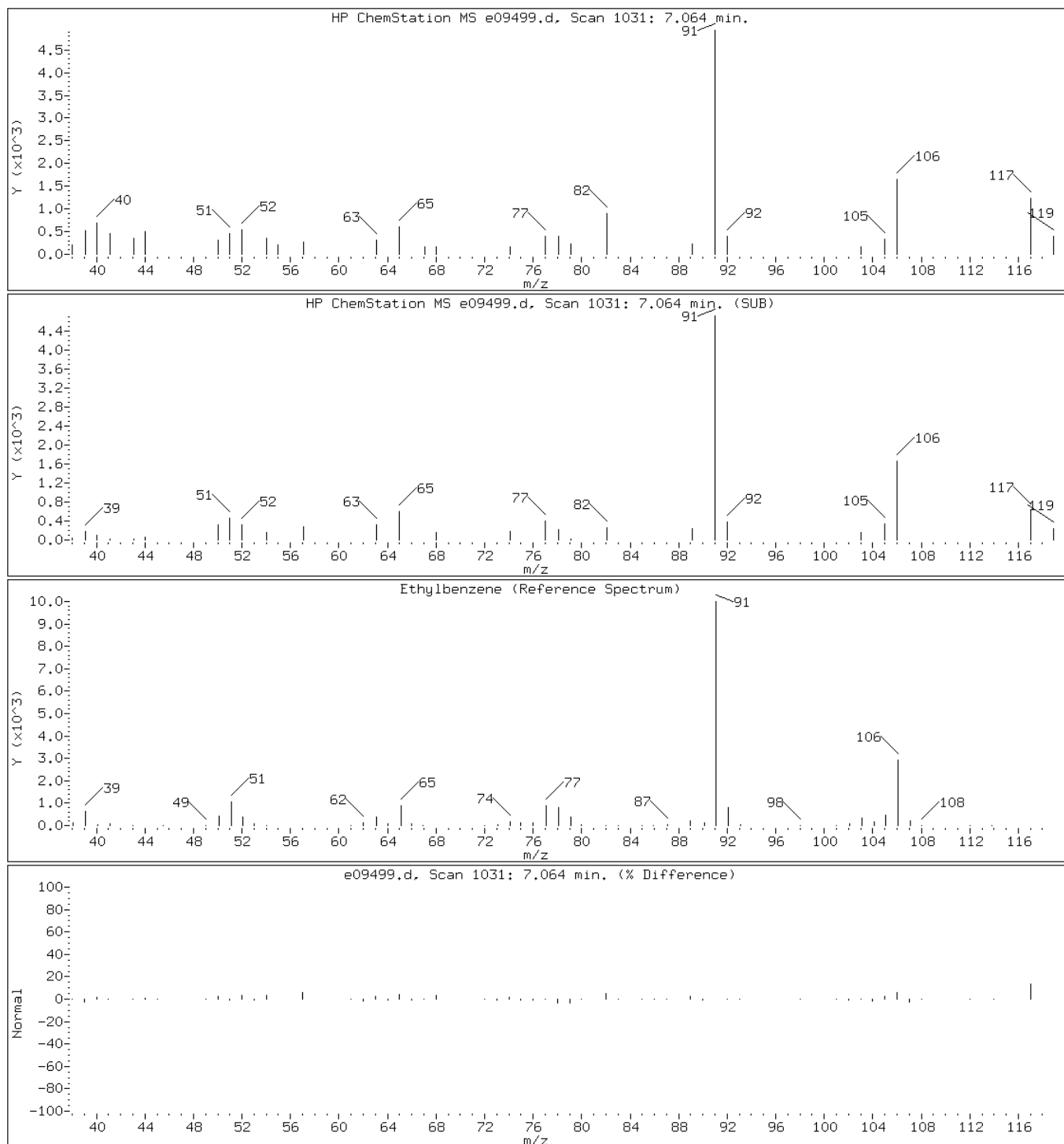
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-1

Operator: GC/MS VOAMS5

81 Ethylbenzene



Data File: e09499.d

Date: 01-NOV-2012 01:25

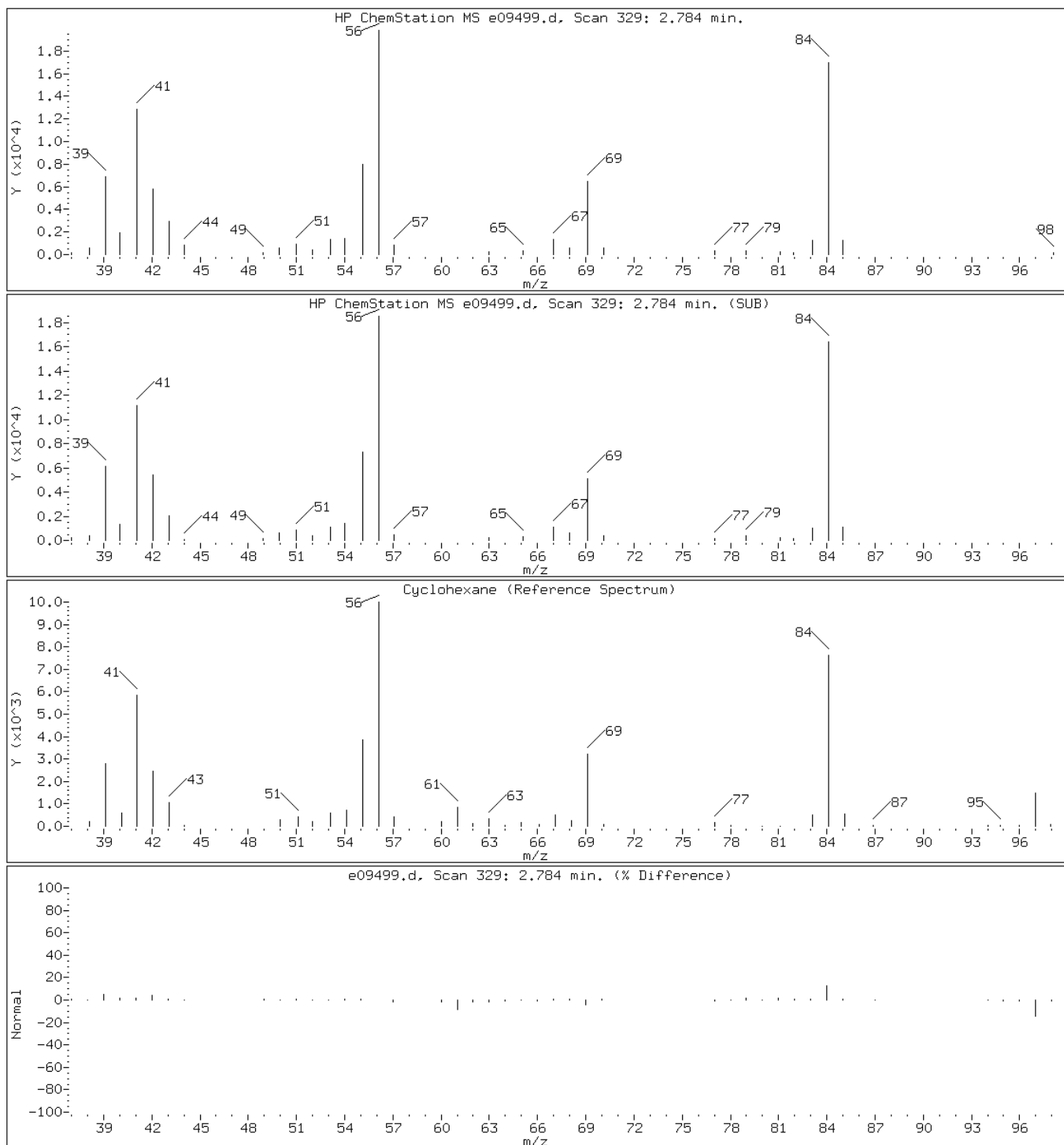
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-1

Operator: GC/MS VOAMS5

44 Cyclohexane



Data File: e09499.d

Date: 01-NOV-2012 01:25

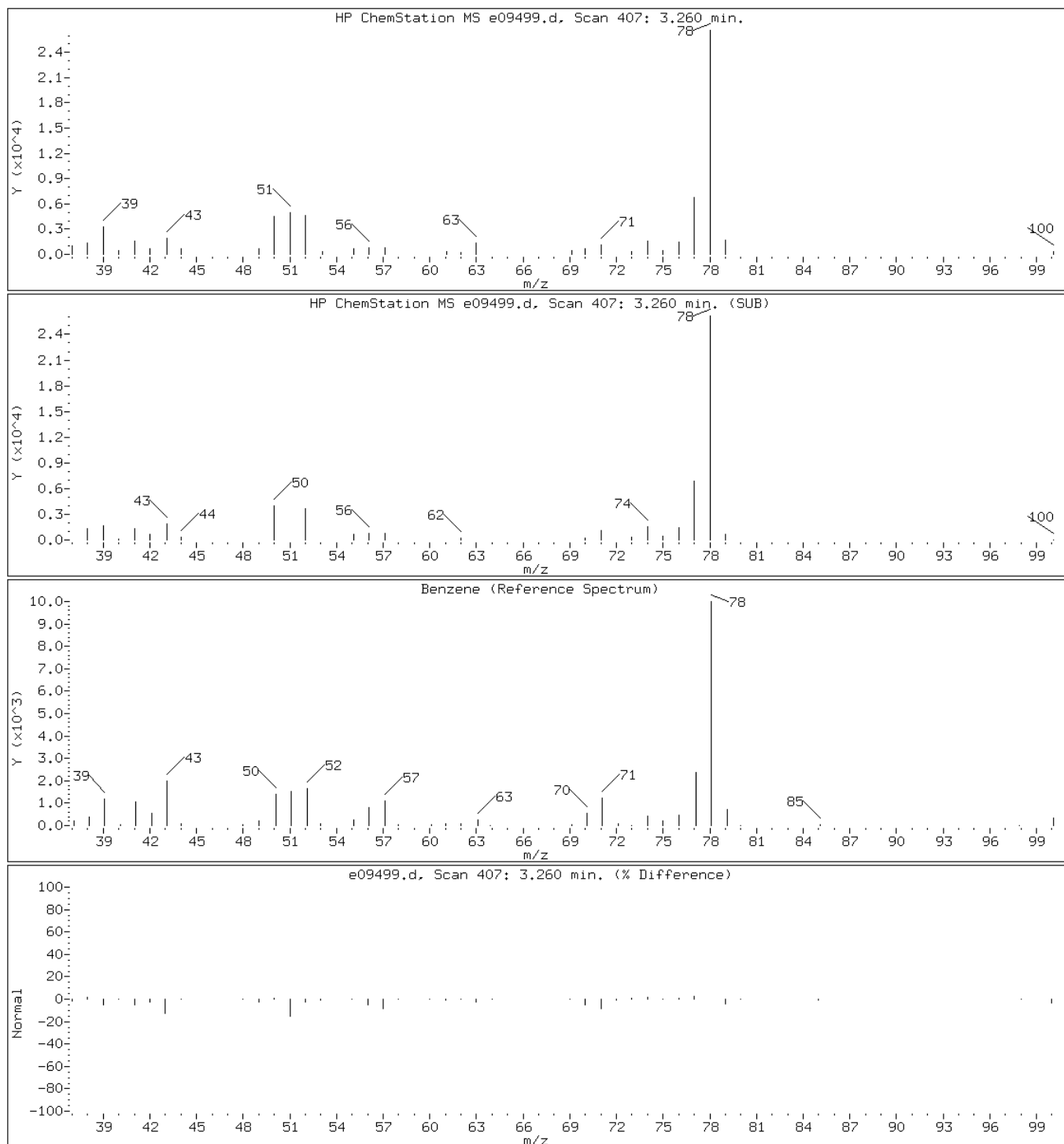
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-1

Operator: GC/MS VOAMS5

48 Benzene



Data File: e09499.d

Date: 01-NOV-2012 01:25

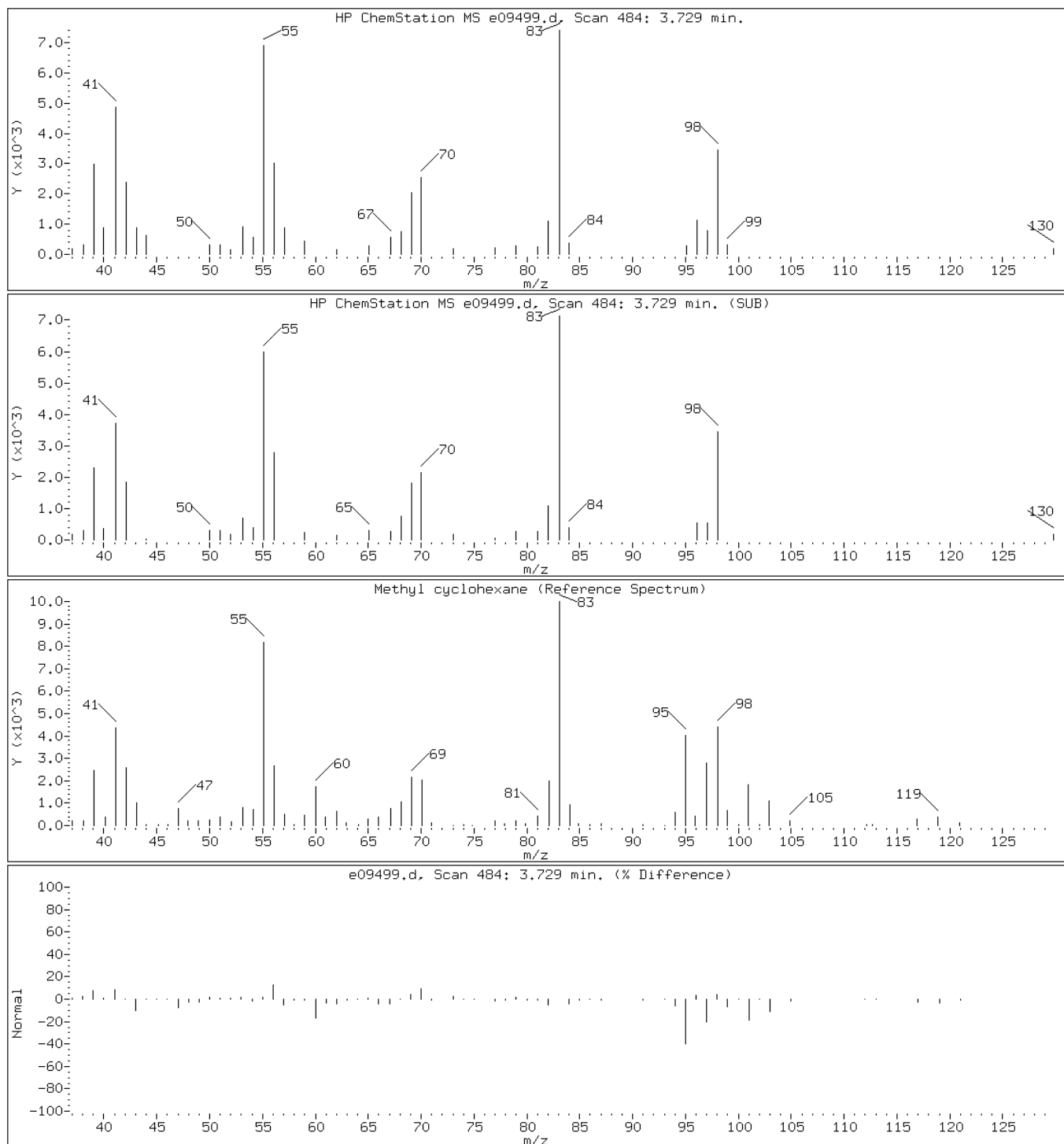
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-1

Operator: GC/MS VOAMS5

56 Methyl cyclohexane



Data File: e09499.d

Date: 01-NOV-2012 01:25

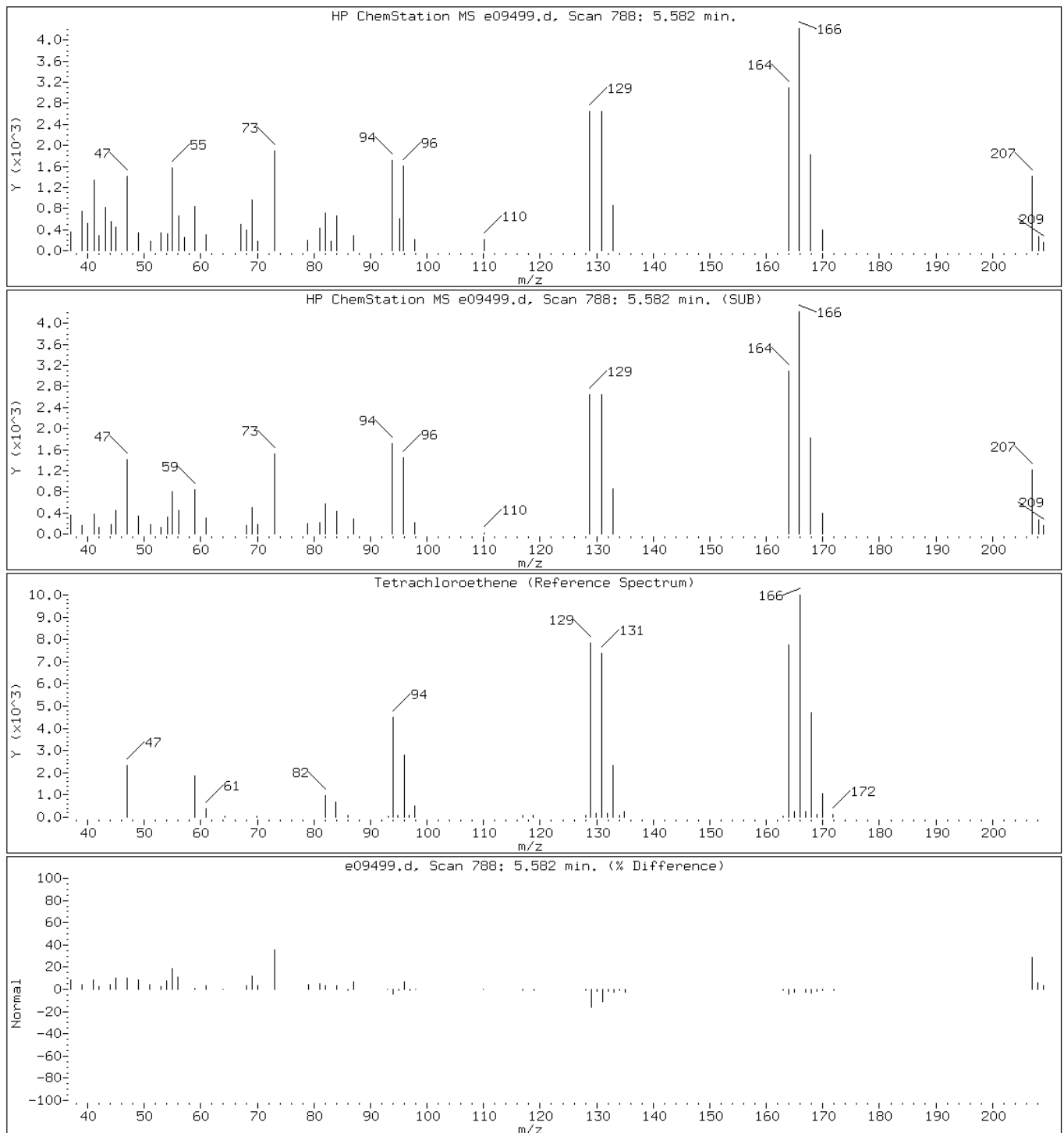
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-1

Operator: GC/MS VOAMS5

71 Tetrachloroethene



Data File: e09499.d

Date: 01-NOV-2012 01:25

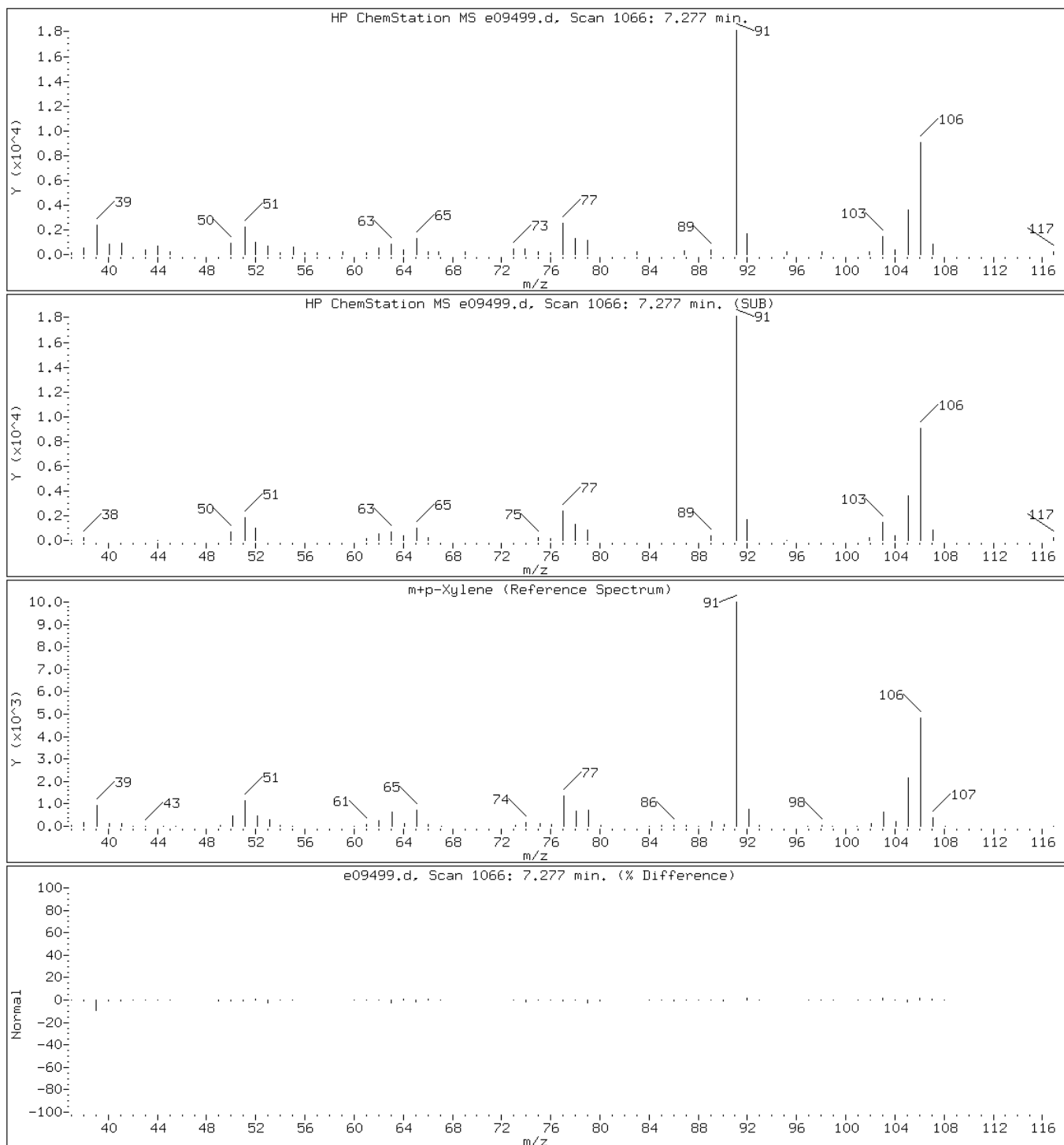
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-1

Operator: GC/MS VOAMS5

82 m+p-Xylene



Data File: e09499.d

Date: 01-NOV-2012 01:25

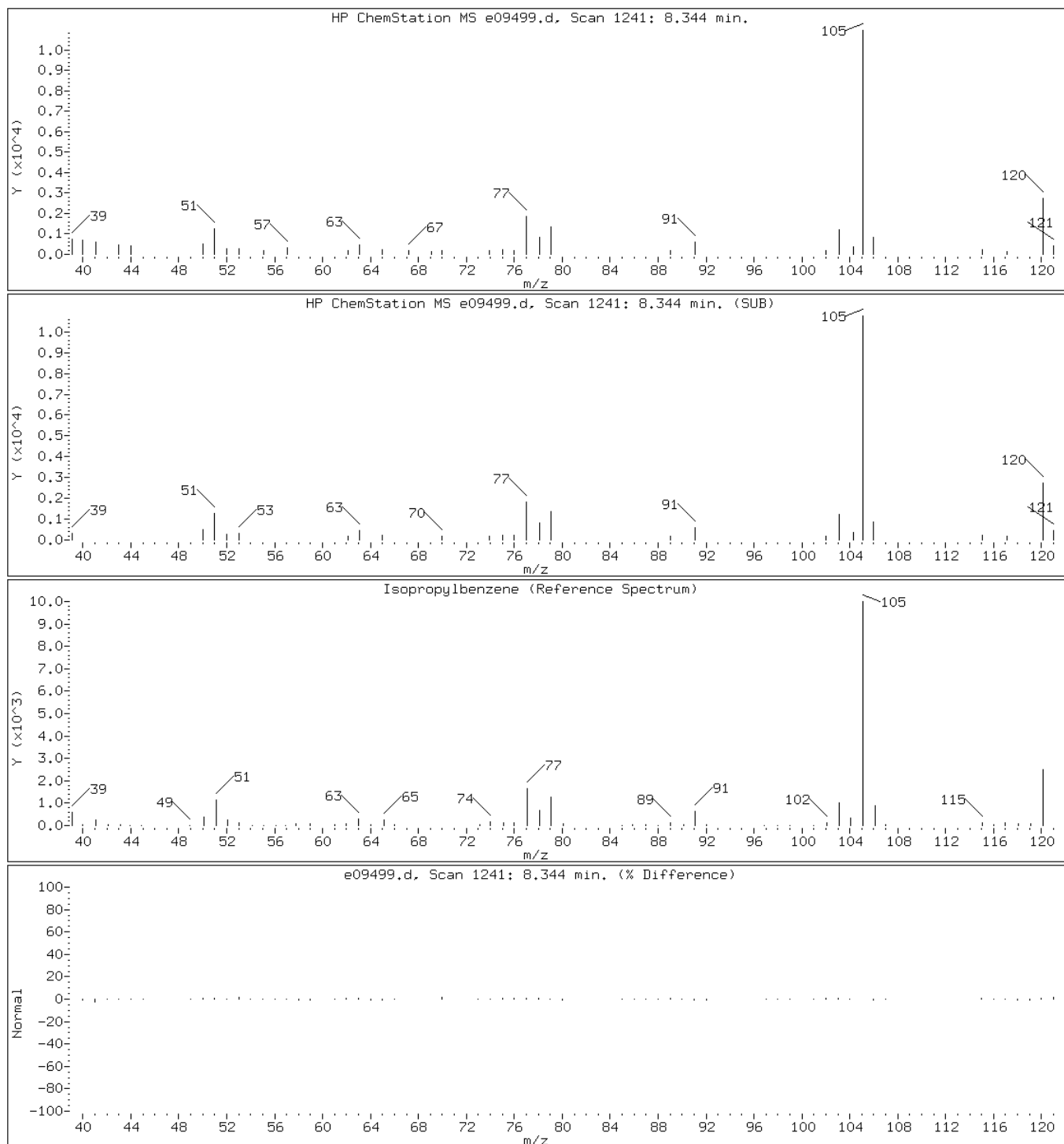
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-1

Operator: GC/MS VOAMS5

88 Isopropylbenzene



Data File: e09499.d

Date: 01-NOV-2012 01:25

Client ID:

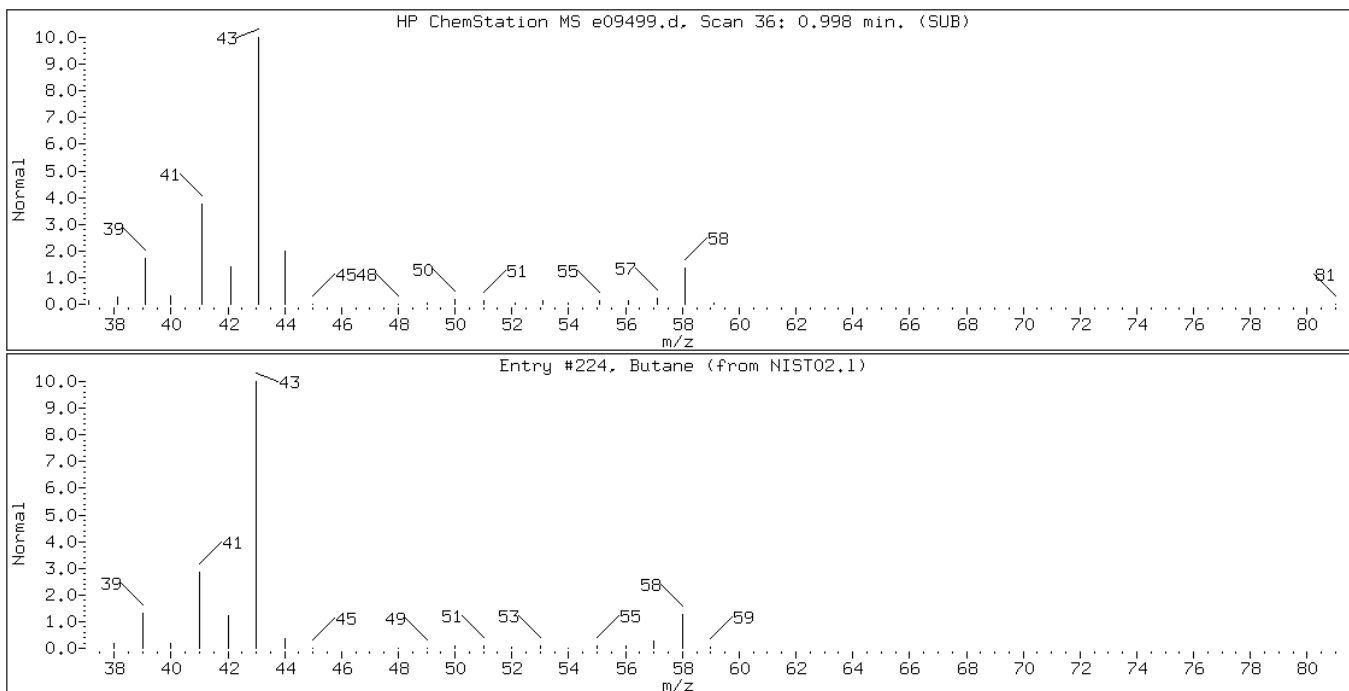
Instrument: VOAMS5.i

Sample Info: 460-46388-B-1

Operator: GC/MS VOAMS5

Retention Time: 1.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C4H10 Alkane						
Butane	106-97-8	NIST02.1	224	47	C4H10	58



Data File: e09499.d

Date: 01-NOV-2012 01:25

Client ID:

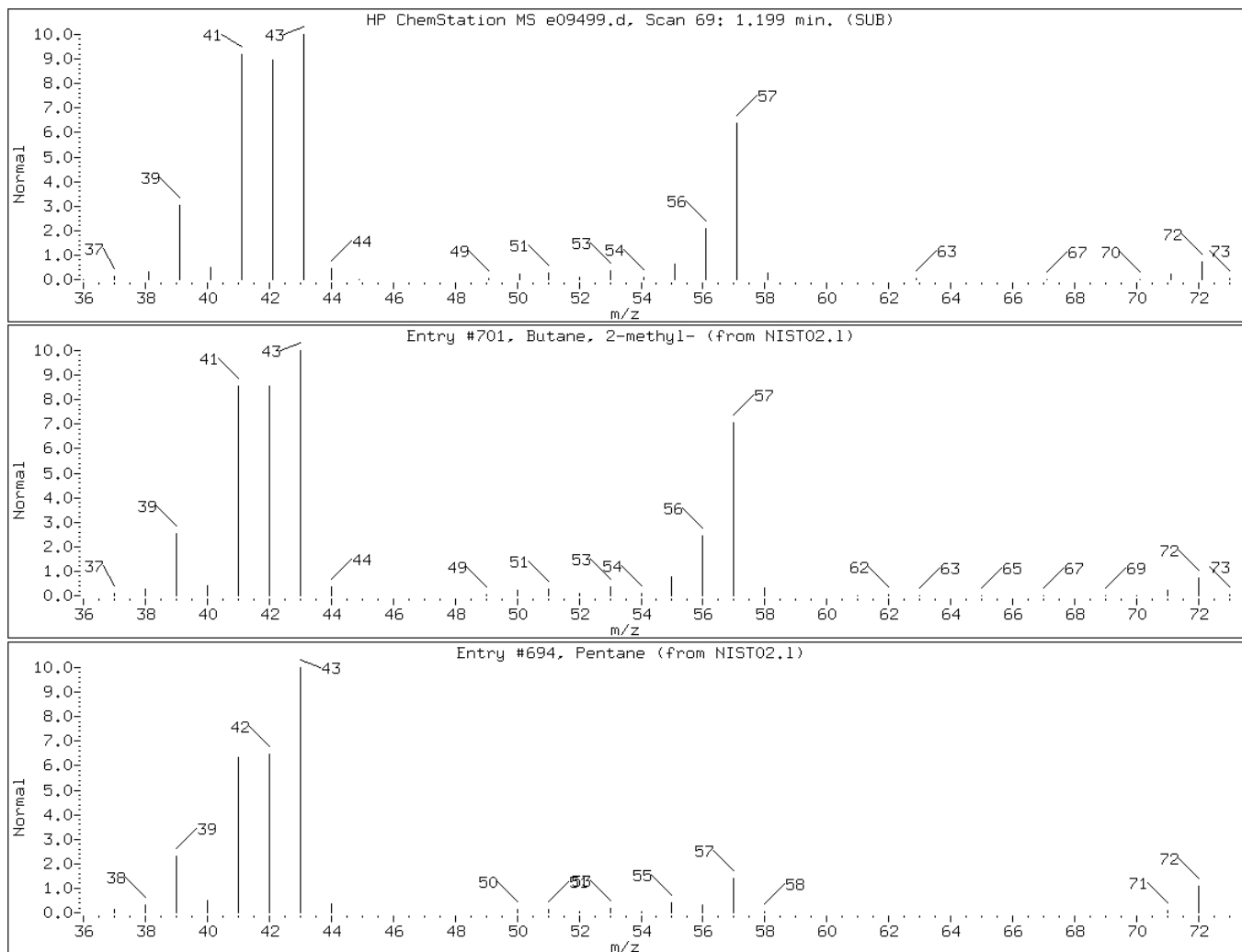
Instrument: VOAMS5.i

Sample Info: 460-46388-B-1

Operator: GC/MS VOAMS5

Retention Time: 1.20

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H12 Alkane						
Butane, 2-methyl-	78-78-4	NIST02.1	701	94	C5H12	72
Pentane	109-66-0	NIST02.1	694	56	C5H12	72



Data File: e09499.d

Date: 01-NOV-2012 01:25

Client ID:

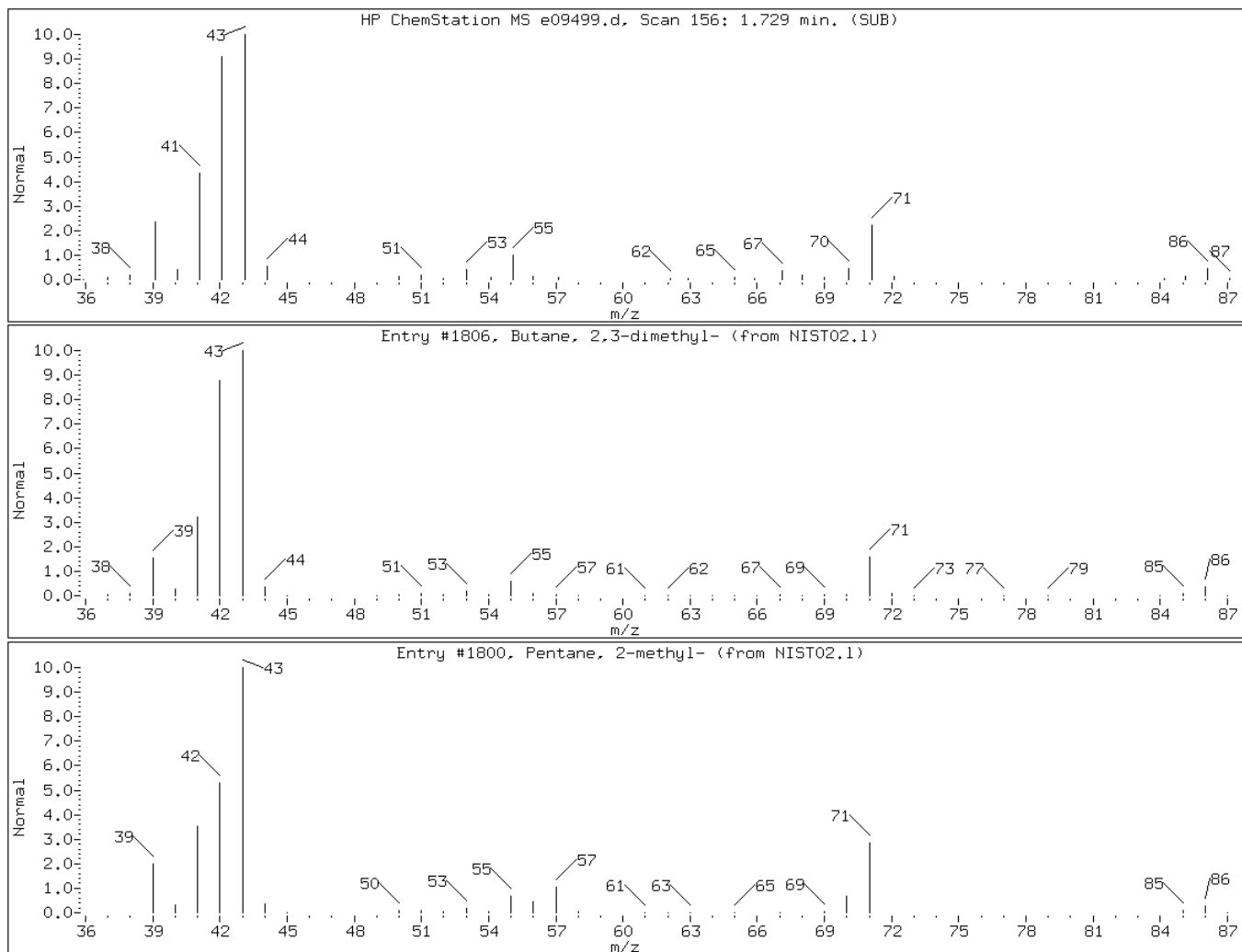
Instrument: VOAMS5.i

Sample Info: 460-46388-B-1

Operator: GC/MS VOAMS5

Retention Time: 1.73

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C6H14 Alkane						
Butane, 2,3-dimethyl-	79-29-8	NIST02.1	1806	86	C6H14	86
Pentane, 2-methyl-	107-83-5	NIST02.1	1800	47	C6H14	86



Data File: e09499.d

Date: 01-NOV-2012 01:25

Client ID:

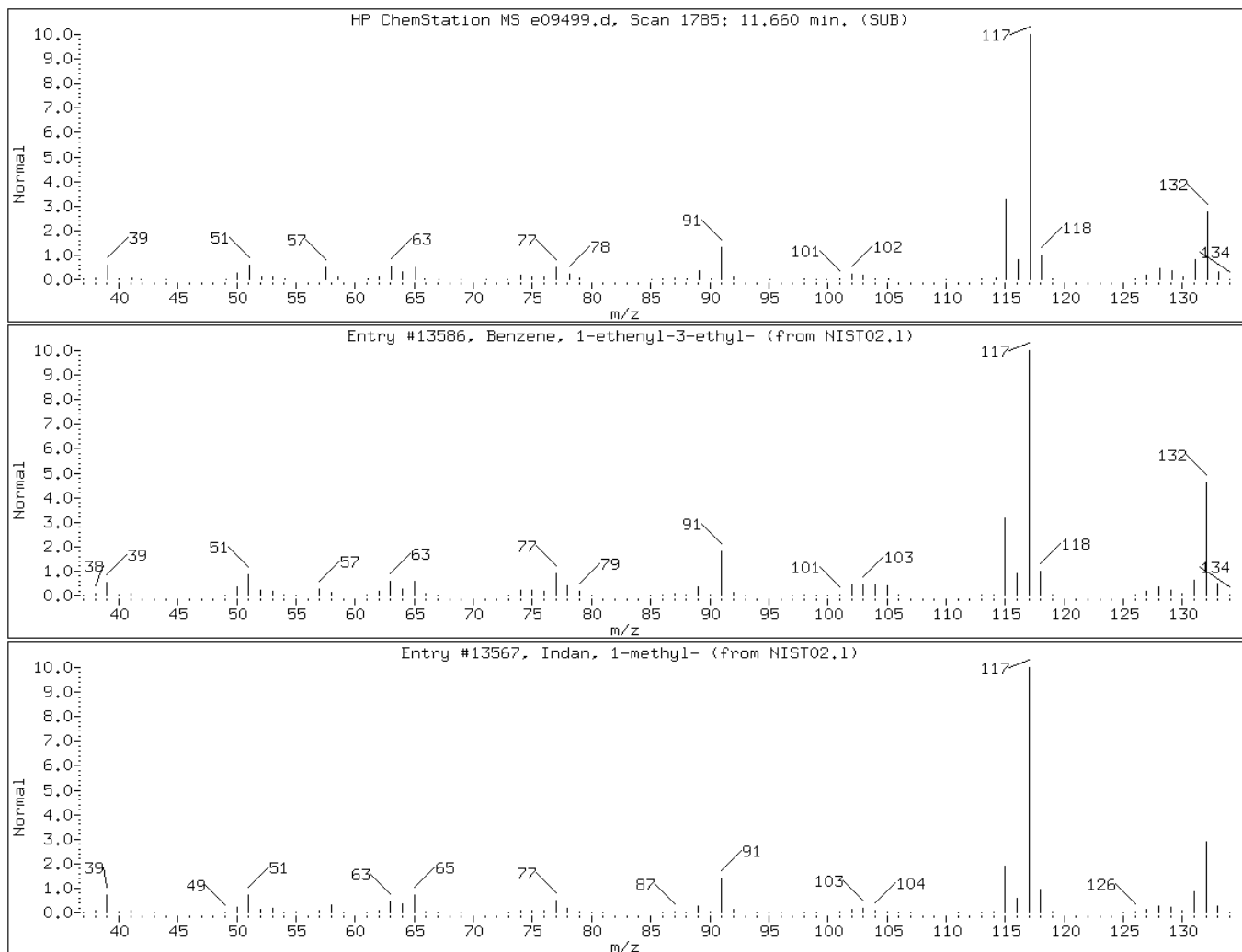
Instrument: VOAMS5.i

Sample Info: 460-46388-B-1

Operator: GC/MS VOAMS5

Retention Time: 11.66

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H12 Aromatic						
Benzene, 1-ethenyl-3-ethyl-	7525-62-4	NIST02.1	13586	91	C10H12	132
Indan, 1-methyl-	767-58-8	NIST02.1	13567	90	C10H12	132



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Client Sample ID: WG-17338-102212-MW36S-MM- Lab Sample ID: 460-46388-2
 Matrix: Water Lab File ID: e09481.d
 Analysis Method: 8260B Date Collected: 10/22/2012 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 15:09
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 134043 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.060	U	1.0	0.060
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.10	U	1.0	0.10
75-01-4	Vinyl chloride	0.14	U	1.0	0.14
74-83-9	Bromomethane	0.18	U	1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	0.40	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	0.21	U	1.0	0.21
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.090	U	1.0	0.090
78-87-5	1,2-Dichloropropane	0.090	U	1.0	0.090
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	1.0	0.080
67-64-1	Acetone	2.7	U *	5.0	2.7
75-15-0	Carbon disulfide	0.28	J	1.0	0.13
79-20-9	Methyl acetate	0.34	U	2.0	0.34
75-09-2	Methylene Chloride	0.18	U	1.0	0.18
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
124-48-1	Chlorodibromomethane	0.20	U	1.0	0.20
1634-04-4	Methyl tert-butyl ether	0.56	J	1.0	0.14
75-00-3	Chloroethane	0.17	U	1.0	0.17
75-34-3	1,1-Dichloroethane	0.13	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.18	U	1.0	0.18
78-93-3	2-Butanone (MEK)	17		5.0	2.3
67-66-3	Chloroform	10		1.0	0.080
100-41-4	Ethylbenzene	1300	E	1.0	0.10
110-82-7	Cyclohexane	280		1.0	0.16
56-23-5	Carbon tetrachloride	0.060	U	1.0	0.060
71-43-2	Benzene	520	E	1.0	0.080
107-06-2	1,2-Dichloroethane	3.8		1.0	0.19
79-01-6	Trichloroethene	0.090	U	1.0	0.090
108-87-2	Methylcyclohexane	75		1.0	0.14
75-27-4	Dichlorobromomethane	0.12	U	1.0	0.12
10061-01-5	cis-1,3-Dichloropropene	0.18	U	1.0	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	16		5.0	0.99
108-88-3	Toluene	850	E	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	0.24	U	1.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Client Sample ID: WG-17338-102212-MW36S-MM- Lab Sample ID: 460-46388-2
 Matrix: Water Lab File ID: e09481.d
 Analysis Method: 8260B Date Collected: 10/22/2012 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 15:09
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 134043 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	0.19	U	1.0	0.19
127-18-4	Tetrachloroethene	0.10	U	1.0	0.10
591-78-6	2-Hexanone	6.7		5.0	0.50
106-93-4	1,2-Dibromoethane	0.28	U	1.0	0.28
108-90-7	Chlorobenzene	0.11	U	1.0	0.11
1330-20-7	Xylenes, Total	3500	E	3.0	0.36
100-42-5	Styrene	17		1.0	0.12
75-25-2	Bromoform	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	29		1.0	0.080
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.0	0.16
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
106-46-7	1,4-Dichlorobenzene	0.23	U	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	0.34	U	1.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		70-130
460-00-4	4-Bromofluorobenzene	106		70-130
2037-26-5	Toluene-d8 (Surr)	96		70-130

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: WG-17338-102212-MW36S-MM- Lab Sample ID: 460-46388-2
Matrix: Water Lab File ID: e09481.d
Analysis Method: 8260B Date Collected: 10/22/2012 12:15
Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 15:09
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 134043 Units: ug/L
Number TICs Found: 10 TIC Result Total: 7210

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	C4H10 Alkane	1.00	830	J
	C5H12 Alkane	1.21	1300	J
	C5H12 Alkane-1	1.31	1000	J
	C5H10 Cycloalkane	1.37	690	J
	C5H10 Cycloalkane-1	1.75	1100	J
	C6H10 Cycloalkene	2.23	560	J
	C6H12 Cycloalkane	2.36	550	J
	C9H12 Aromatic	9.17	410	J
	C9H12 Aromatic-2	9.95	570	J
	C9H10 Aromatic	10.79	200	J

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09481.d
 Report Date: 01-Nov-2012 10:25

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09481.d
 Lab Smp Id: 460-46388-A-2
 Inj Date : 31-OCT-2012 15:09
 Operator : GC/MS VOAMS5
 Smp Info : 460-46388-A-2
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/8260DE_09.m
 Meth Date : 01-Nov-2012 09:27 maryb
 Cal Date : 31-OCT-2012 09:18
 Als bottle: 20
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2

Inst ID: VOAMS5.i
 Quant Type: ISTD
 Cal File: e09466.d
 Compound Sublist: HSLDEL.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
	=====	==	=====	=====	=====		(ug/L)	(ug/L)
18 Carbon Disulfide	76	1.571	1.565	(0.436)	7113		0.27789	0.28(a)
28 MTBE	73	2.016	2.022	(0.560)	13457		0.56388	0.56(a)
38 2-Butanone	72	3.071	3.071	(0.853)	21995		16.6979	17(H)
42 Chloroform	83	2.845	2.839	(0.790)	134006		9.95786	10(H)
44 Cyclohexane	56	2.790	2.778	(0.775)	3746929		282.387	280
48 Benzene	78	3.260	3.260	(0.468)	17603016		517.932	520(A)
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363	(0.934)	403408		49.4243	49
49 1,2-Dichloroethane	62	3.418	3.412	(0.949)	42100		3.82293	3.8(H)
* 52 Fluorobenzene	96	3.601	3.595	(1.000)	983106		50.0000	
56 Methyl cyclohexane	83	3.729	3.723	(1.036)	909843		75.0332	75
70 4-Methyl-2-Pentanone	43	5.631	5.631	(0.809)	131748		15.5712	16
\$ 65 Toluene-d8 (SUR)	98	5.119	5.107	(0.735)	1417380		48.2056	48
66 Toluene	91	5.162	5.162	(0.742)	33732430		845.634	840(AM)
73 2-Hexanone	43	6.680	6.680	(0.960)	44923		6.71470	6.7
* 78 Chlorobenzene-d5	117	6.960	6.954	(1.000)	1413848		50.0000	
81 Ethylbenzene	106	7.100	7.064	(1.020)	19363127		1323.68	1300(A)

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09481.d
 Report Date: 01-Nov-2012 10:25

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
82 m+p-Xylene	106	7.314	7.277	(1.051)	39055669	2092.15	2100(AM)
84 o-Xylene	106	7.899	7.862	(1.135)	26453317	1443.27	1400(AM)
85 Styrene	104	7.960	7.942	(1.144)	512186	16.5285	16
88 Isopropylbenzene	105	8.350	8.344	(1.200)	1344308	29.3061	29
\$ 89 Bromofluorobenzene (SUR)	174	8.716	8.710	(0.832)	740251	53.0075	53
* 108 1,4-Dichlorobenzene-d4	152	10.472	10.465	(1.000)	933531	50.0000	
M 121 Xylene (Total)	100				65508986	3535.42	3500

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount
exceeded maximum amount.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: e09481.d

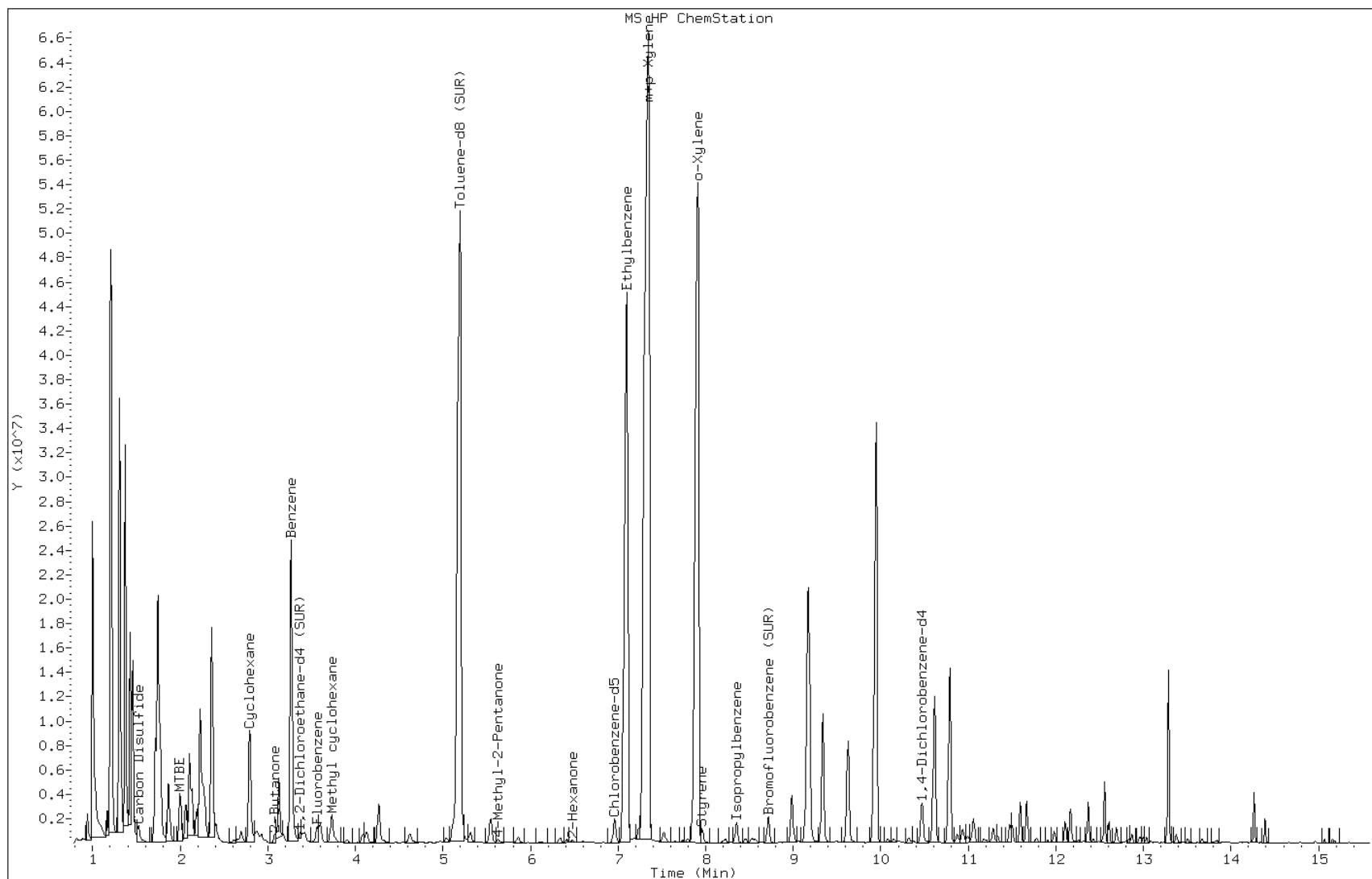
Date: 31-OCT-2012 15:09

Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5



Data File: e09481.d

Date: 31-OCT-2012 15:09

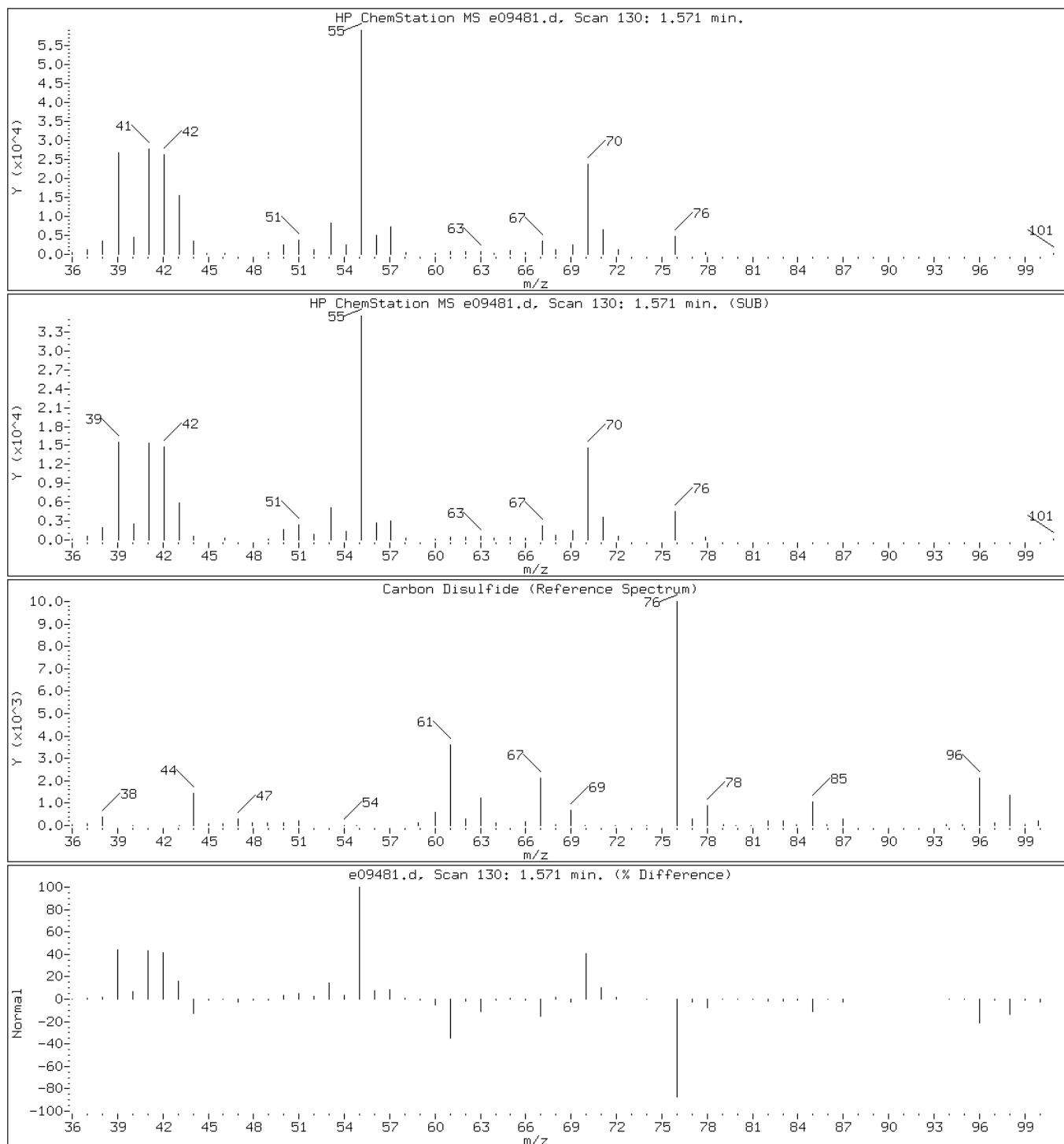
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

18 Carbon Disulfide



Data File: e09481.d

Date: 31-OCT-2012 15:09

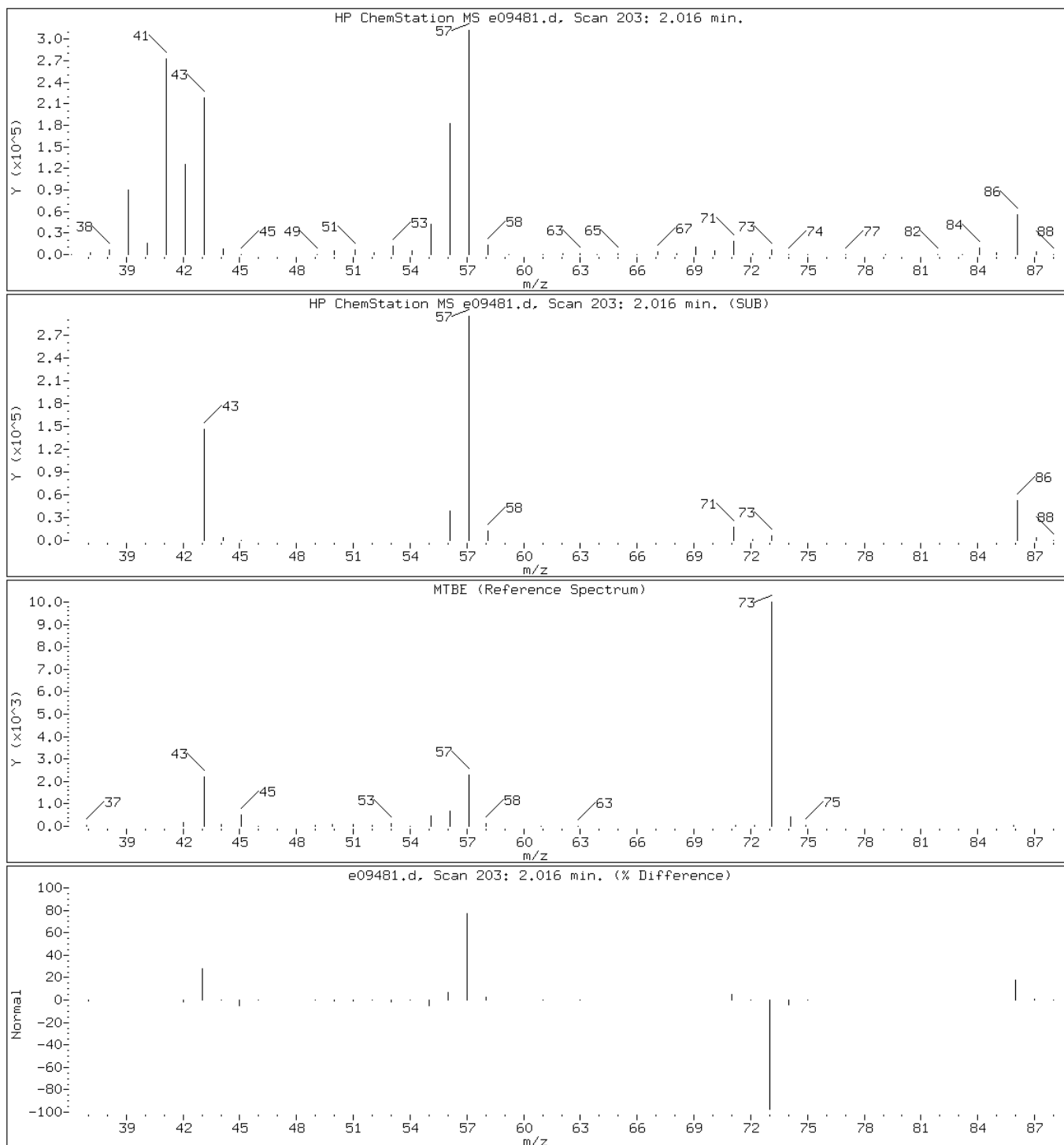
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

28 MTBE



Data File: e09481.d

Date: 31-OCT-2012 15:09

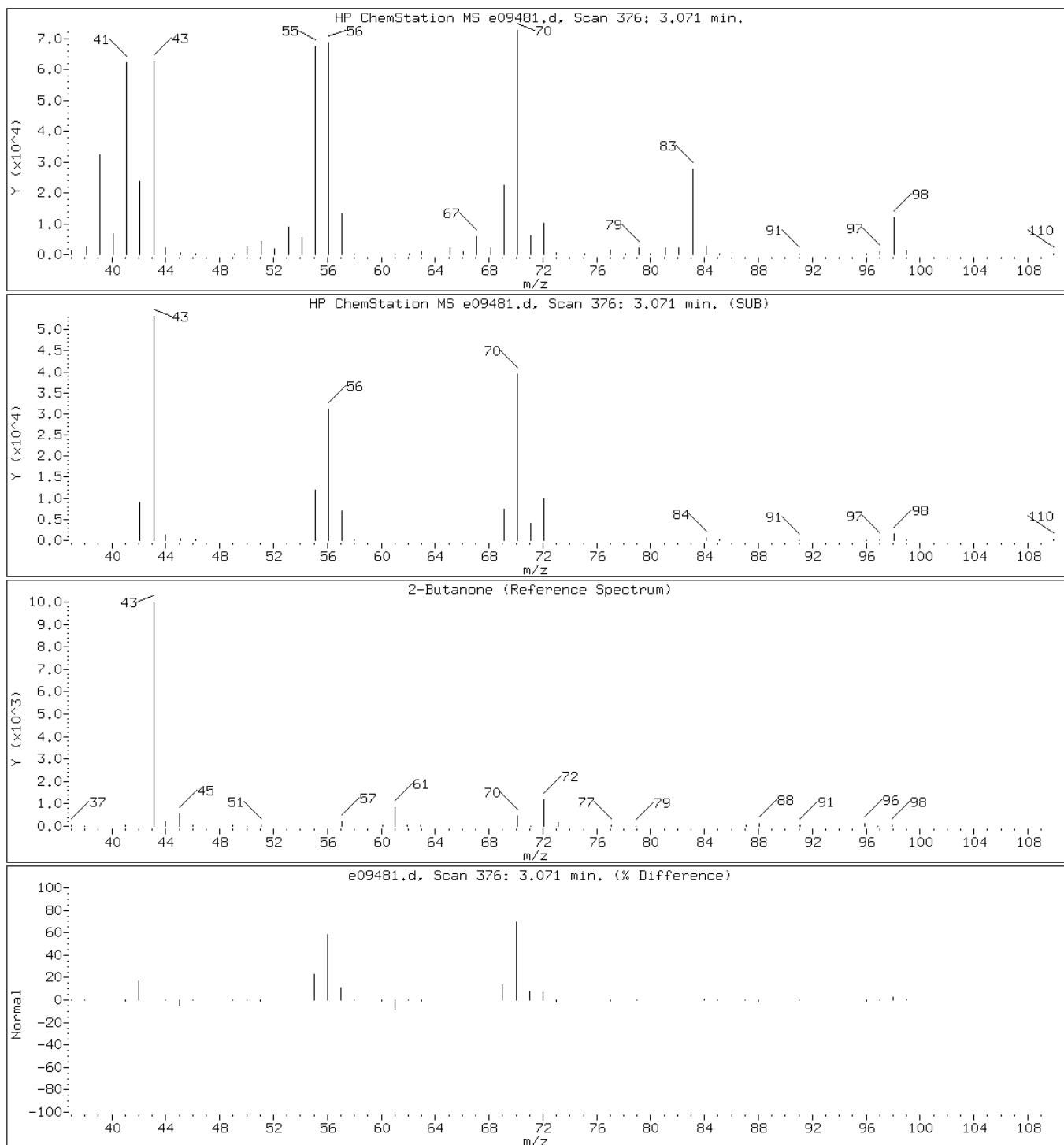
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

38 2-Butanone



Data File: e09481.d

Date: 31-OCT-2012 15:09

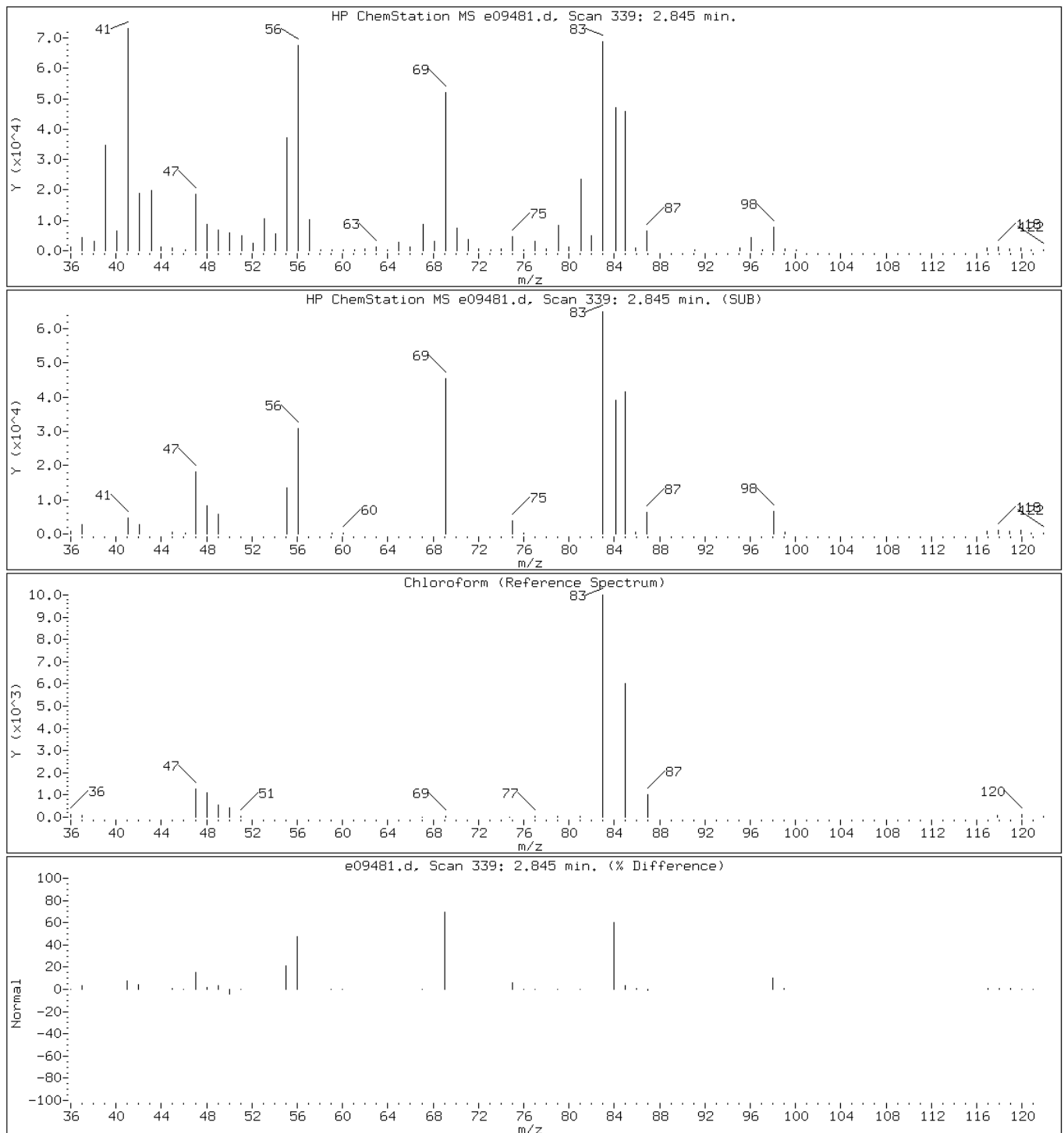
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

42 Chloroform



Data File: e09481.d

Date: 31-OCT-2012 15:09

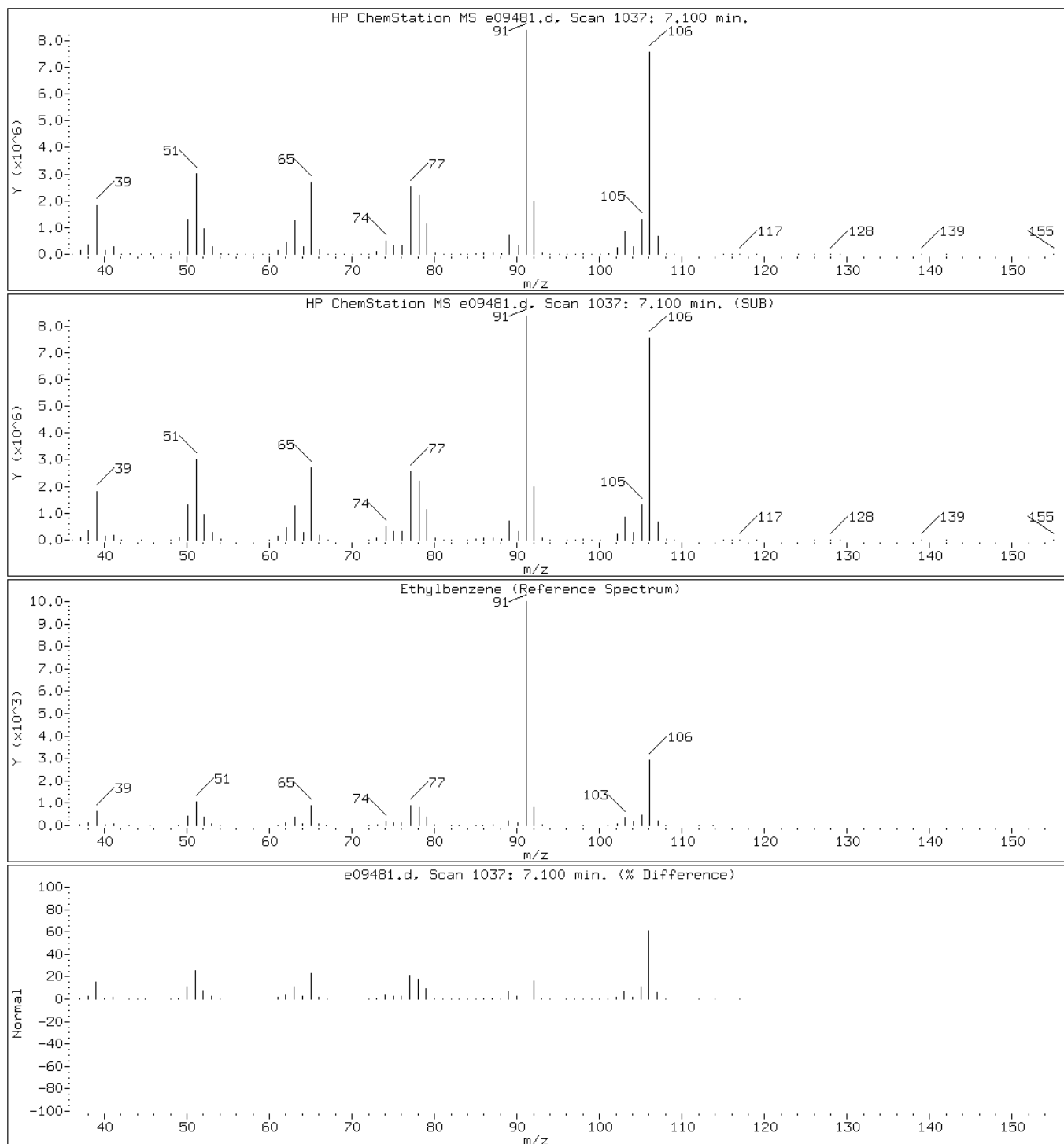
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

81 Ethylbenzene



Data File: e09481.d

Date: 31-OCT-2012 15:09

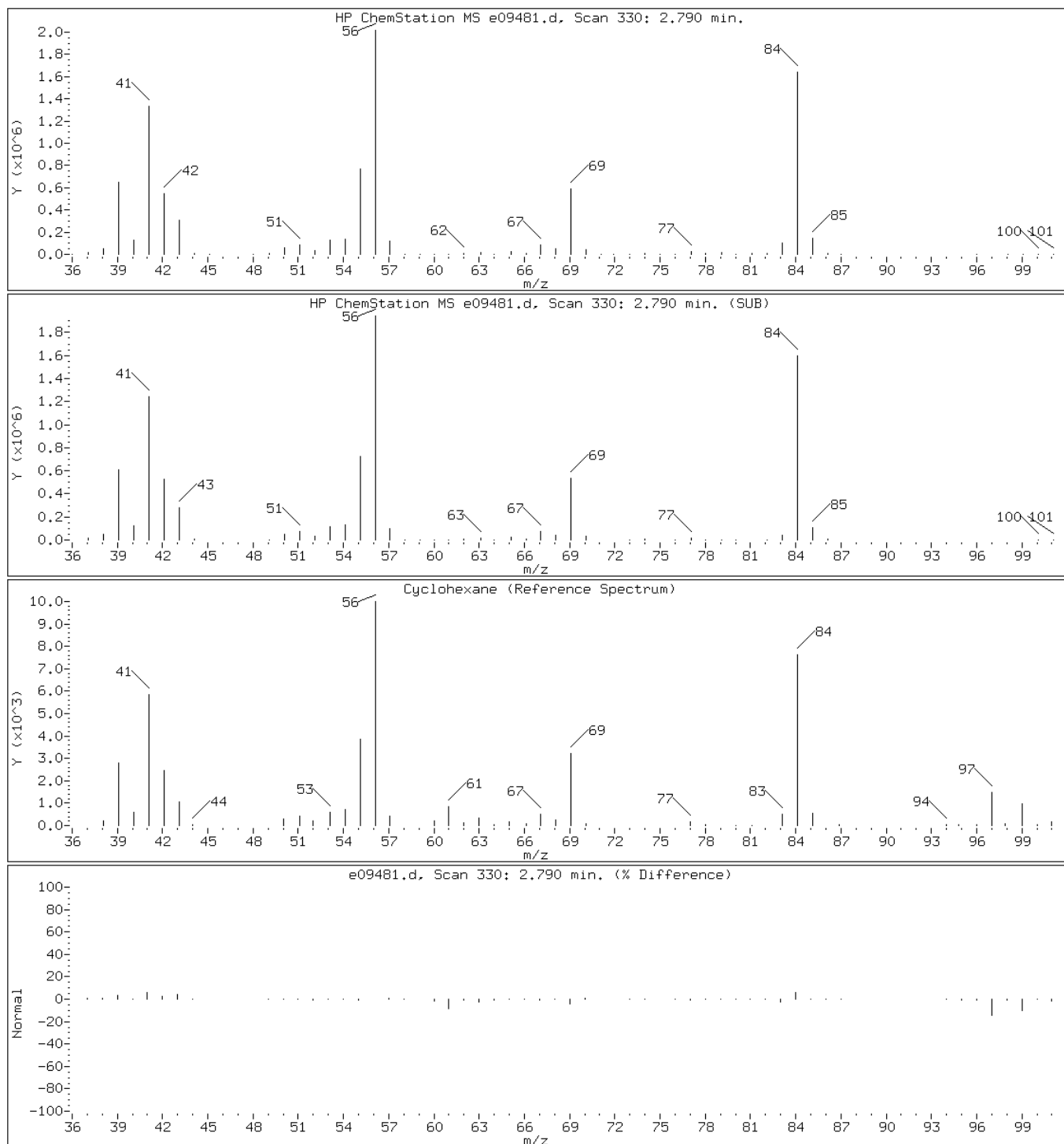
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

44 Cyclohexane



Data File: e09481.d

Date: 31-OCT-2012 15:09

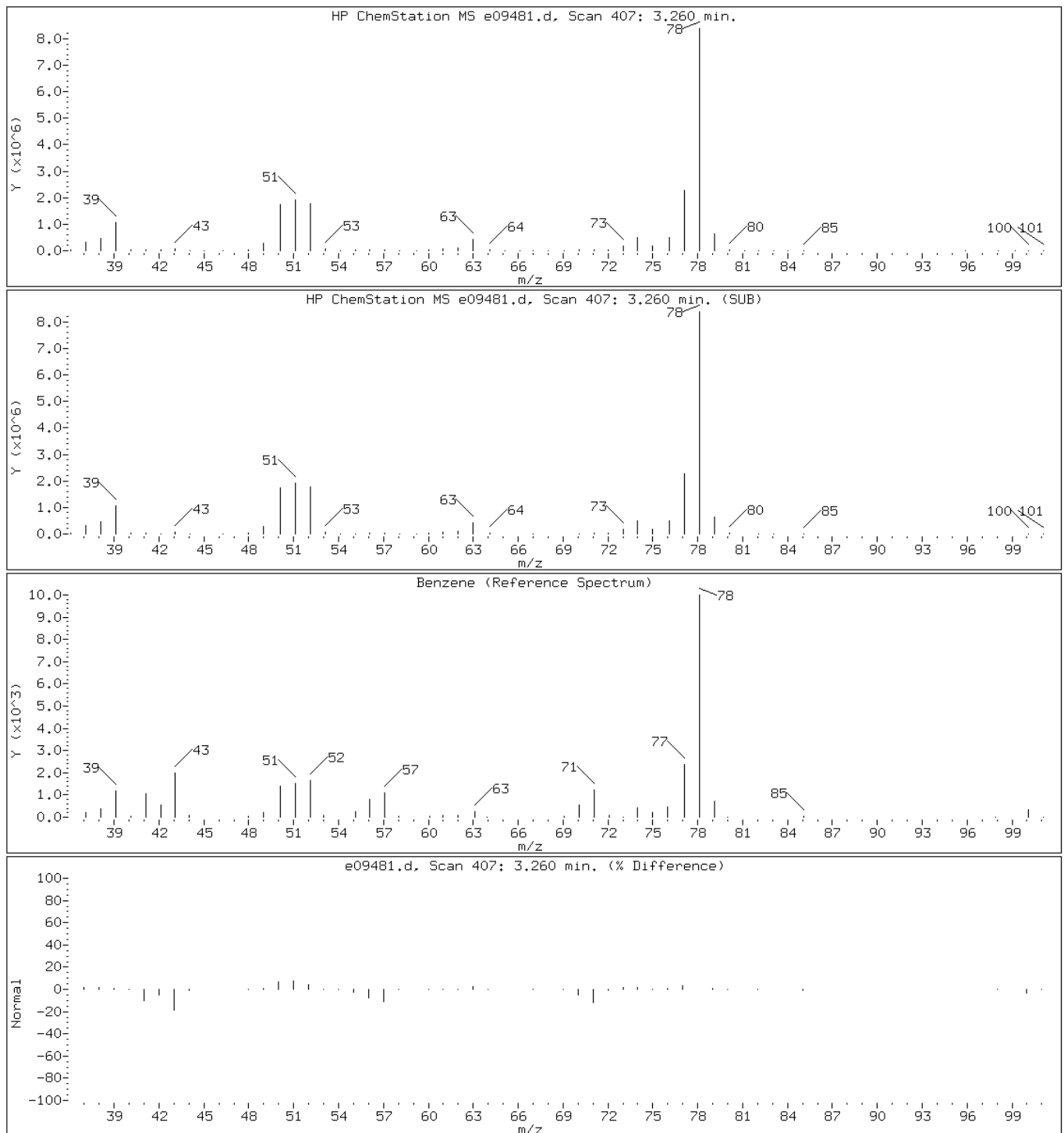
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

48 Benzene



Data File: e09481.d

Date: 31-OCT-2012 15:09

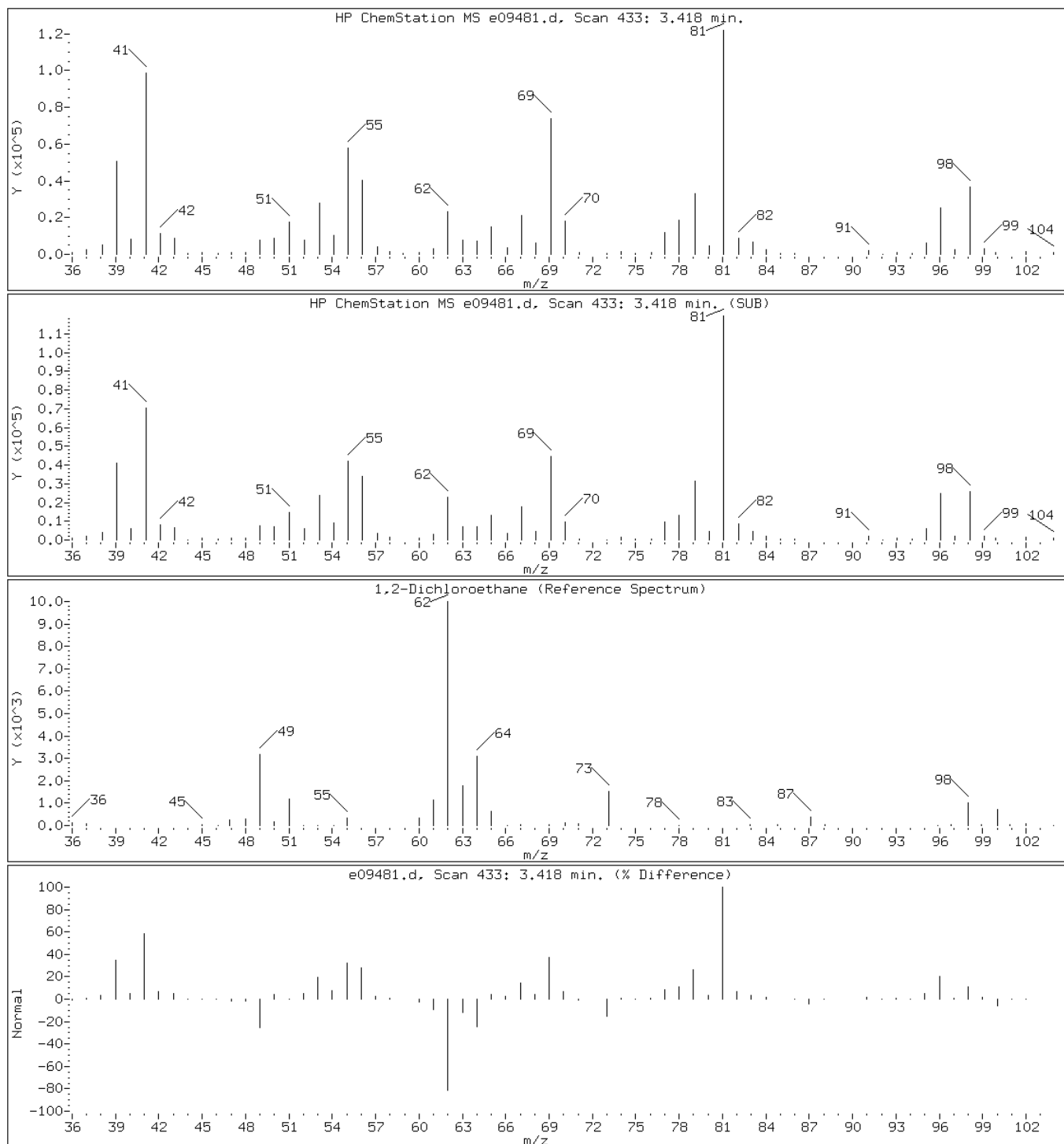
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

49 1,2-Dichloroethane



Data File: e09481.d

Date: 31-OCT-2012 15:09

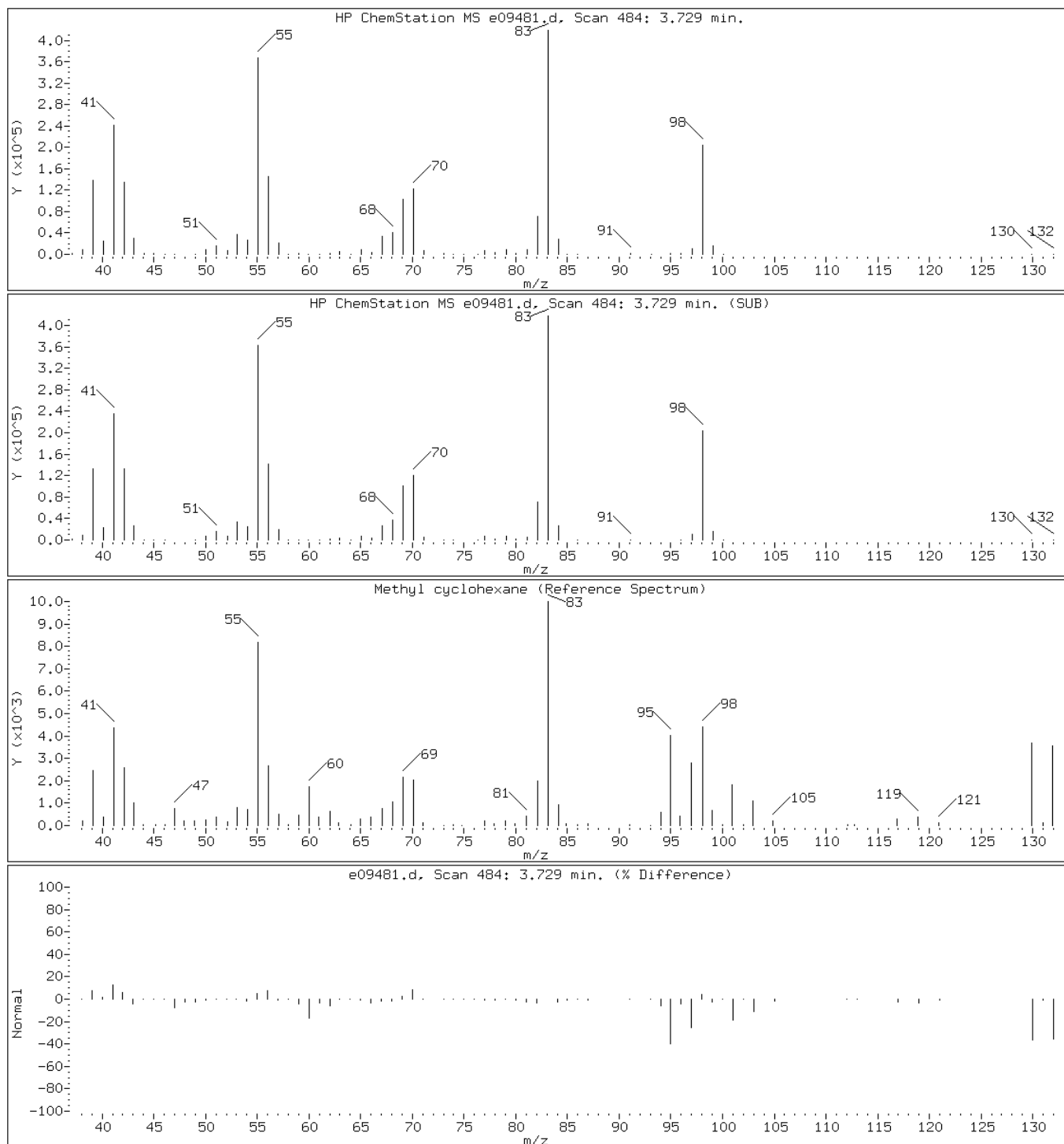
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

56 Methyl cyclohexane



Data File: e09481.d

Date: 31-OCT-2012 15:09

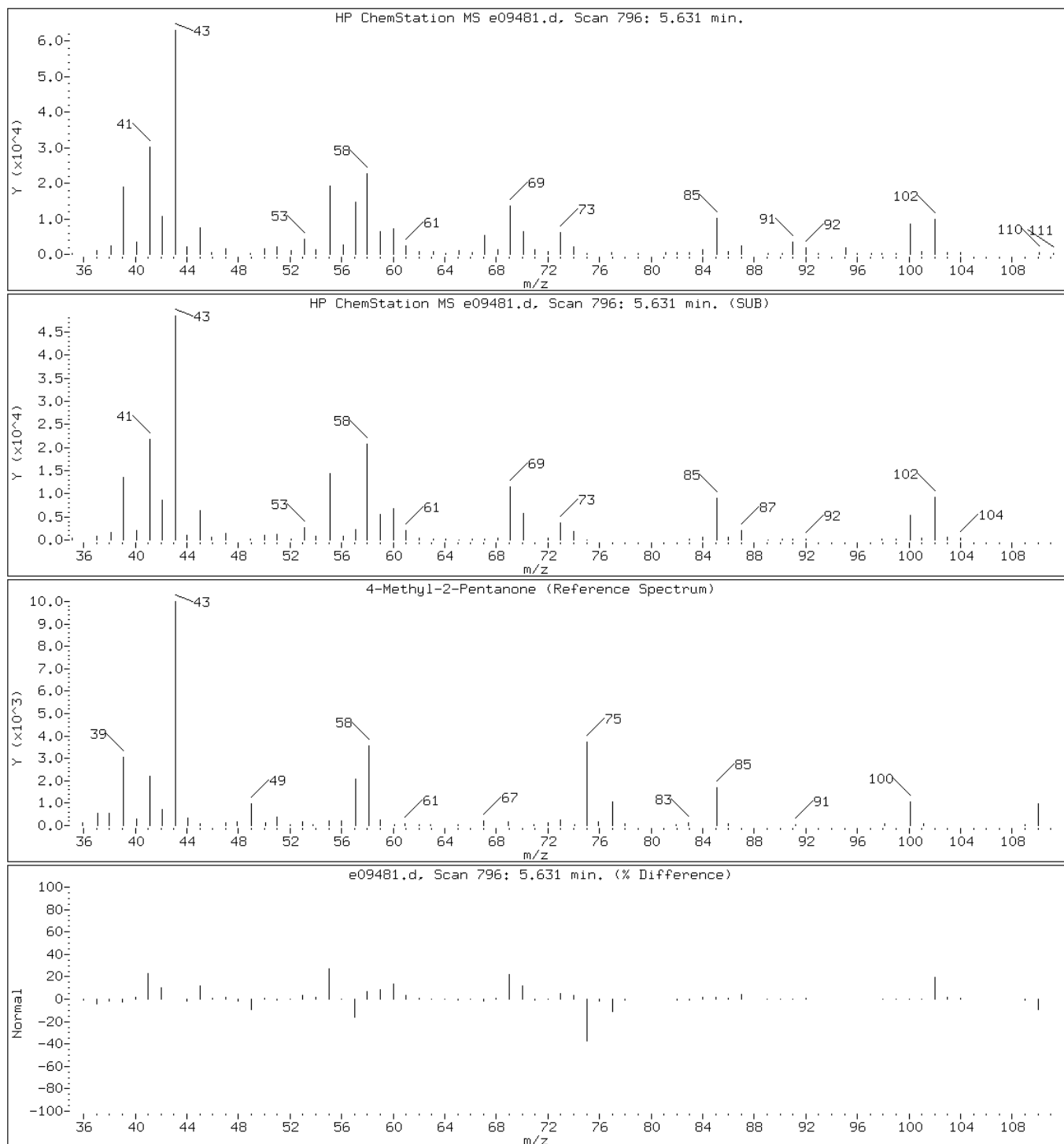
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

70 4-Methyl-2-Pentanone



Data File: e09481.d

Date: 31-OCT-2012 15:09

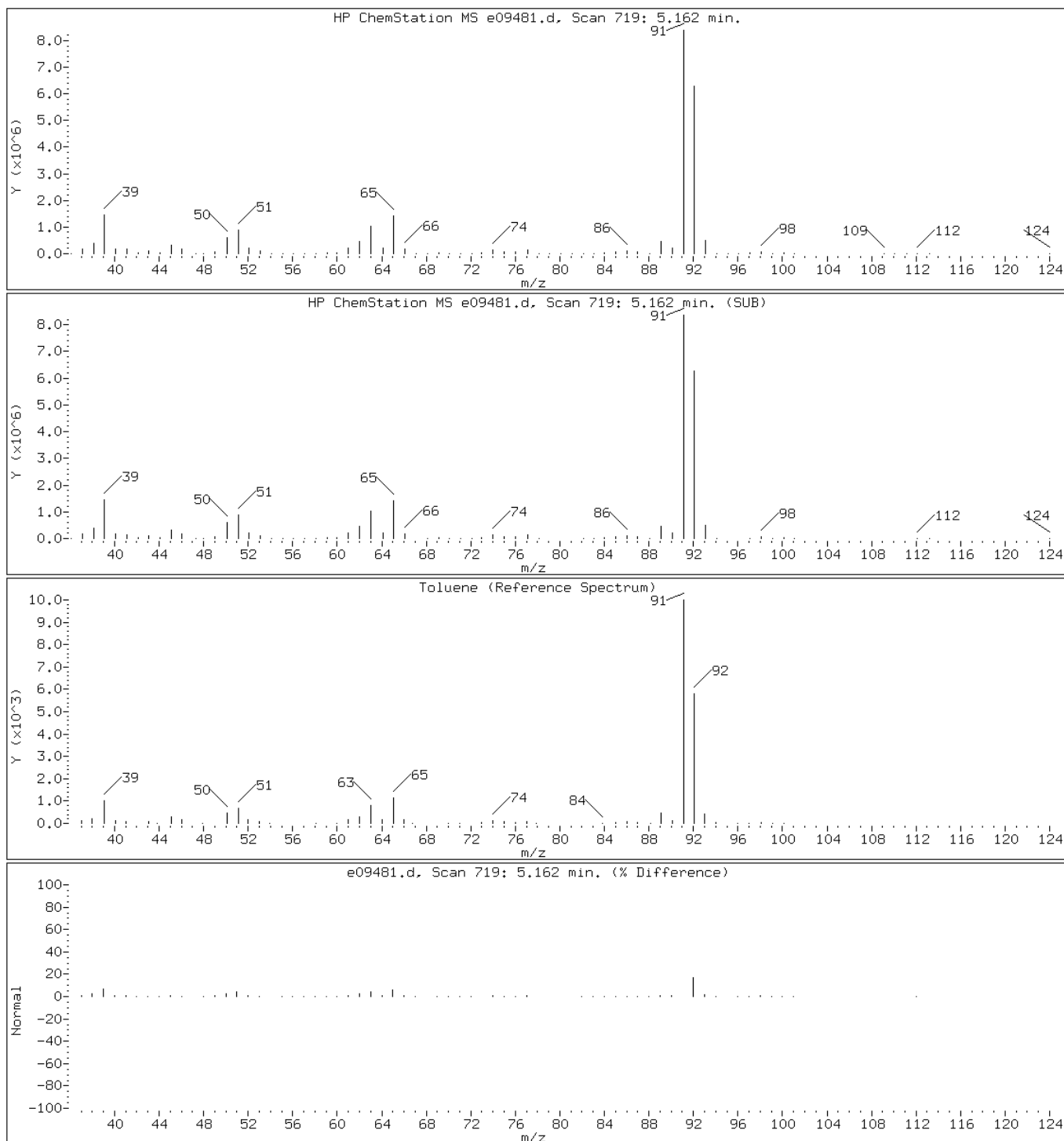
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

66 Toluene



Data File: e09481.d

Date: 31-OCT-2012 15:09

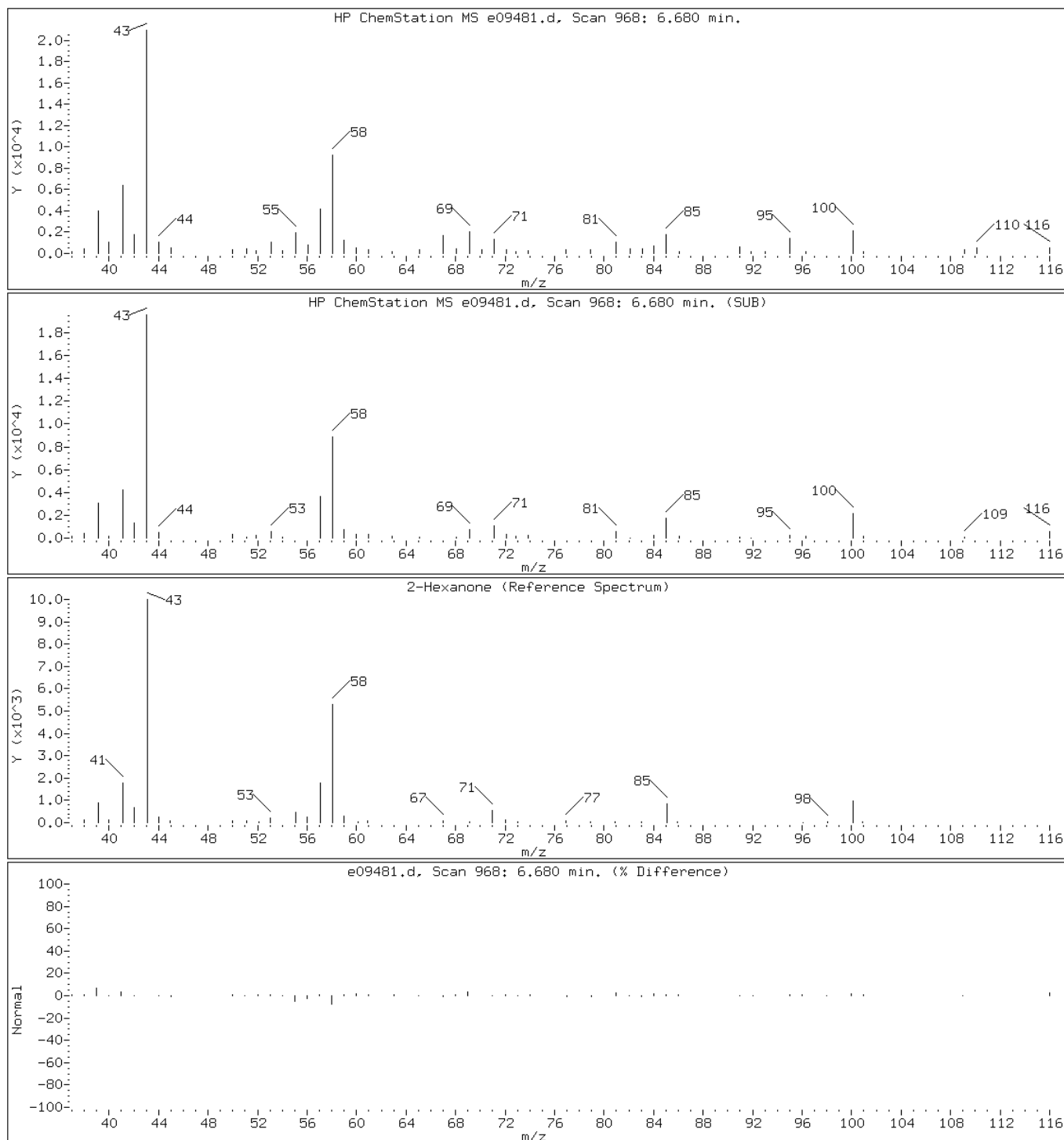
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

73 2-Hexanone



Data File: e09481.d

Date: 31-OCT-2012 15:09

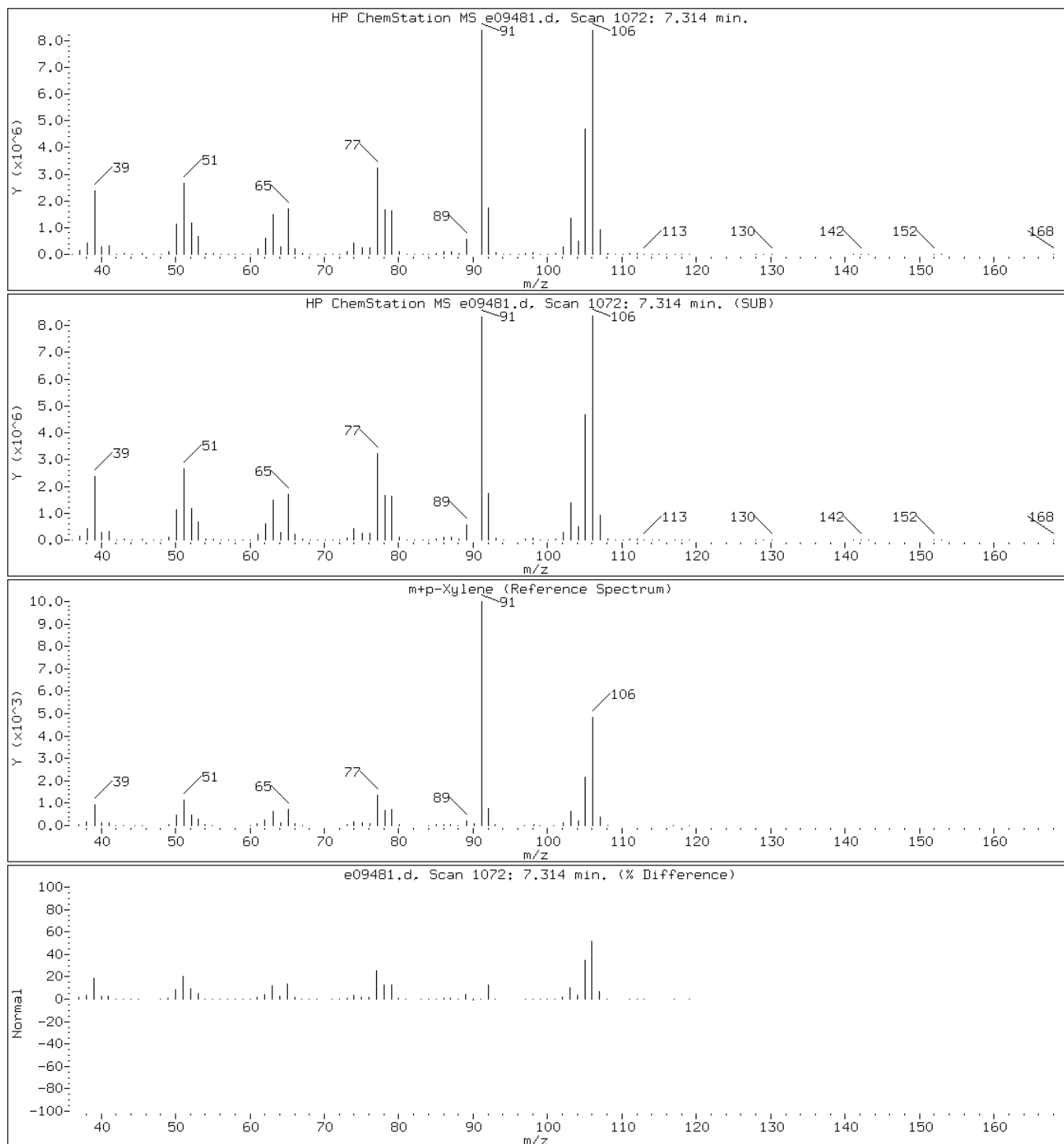
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

82 m+p-Xylene



Data File: e09481.d

Date: 31-OCT-2012 15:09

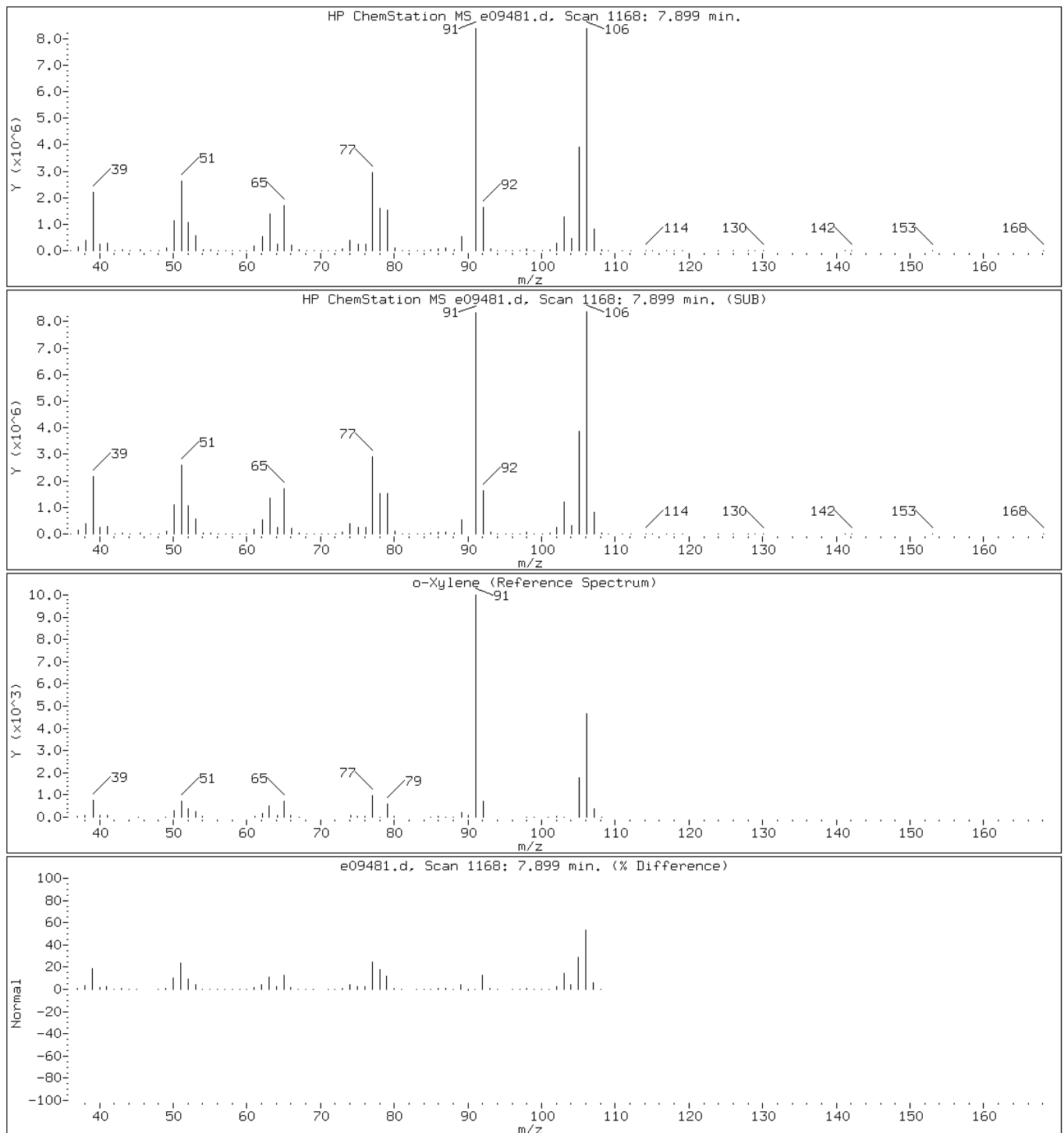
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

84 o-Xylene



Data File: e09481.d

Date: 31-OCT-2012 15:09

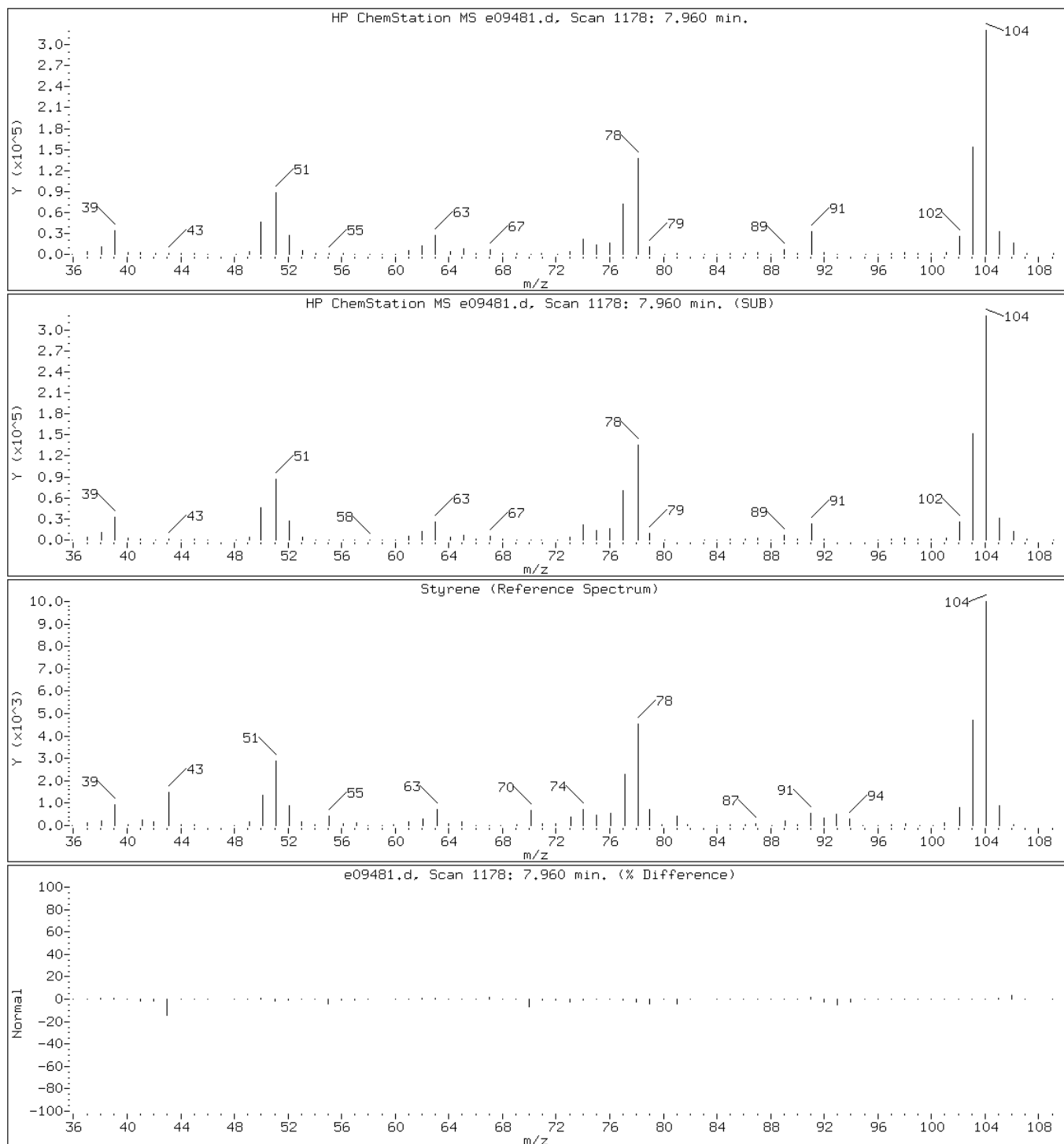
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

85 Styrene



Data File: e09481.d

Date: 31-OCT-2012 15:09

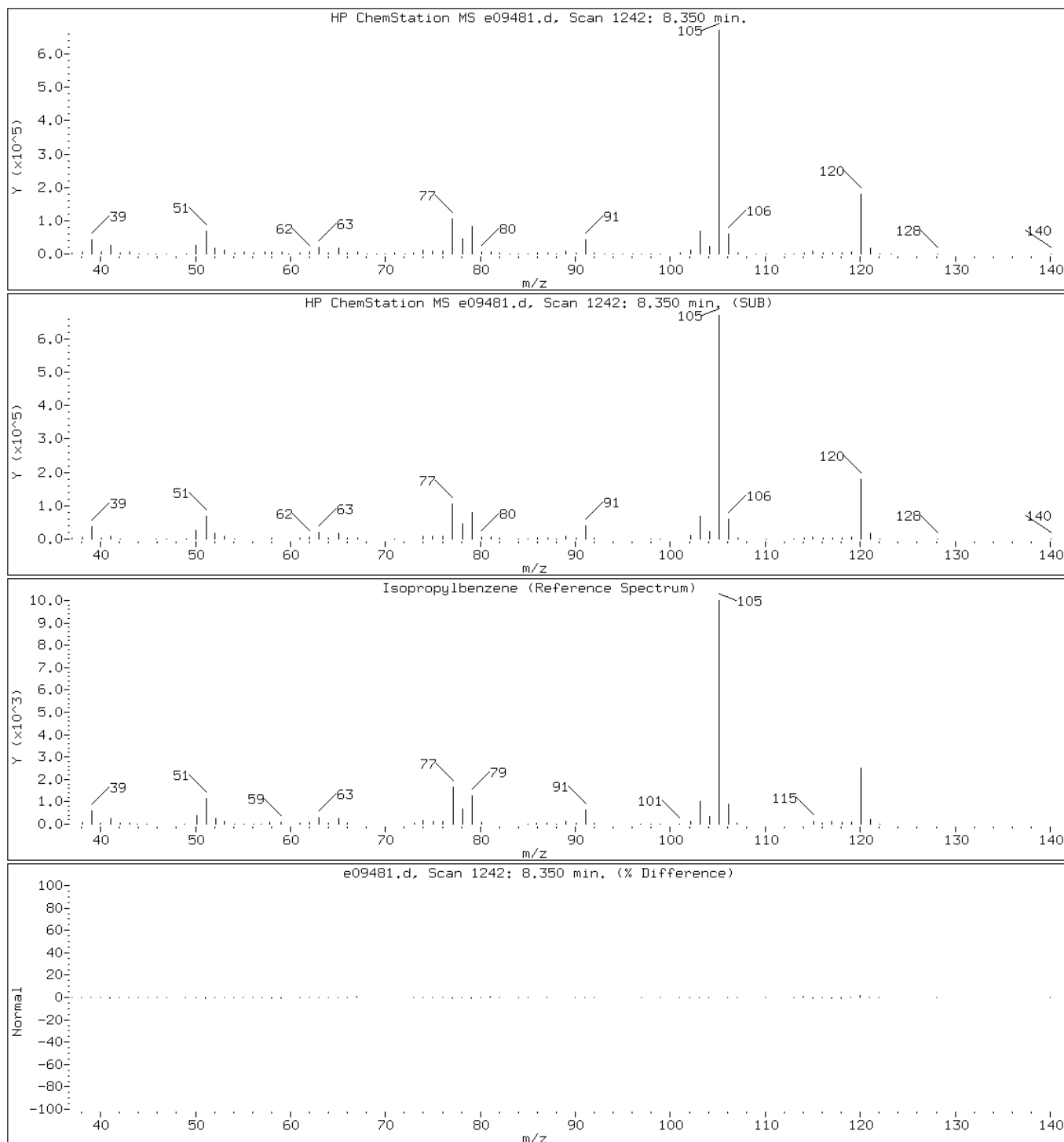
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

88 Isopropylbenzene

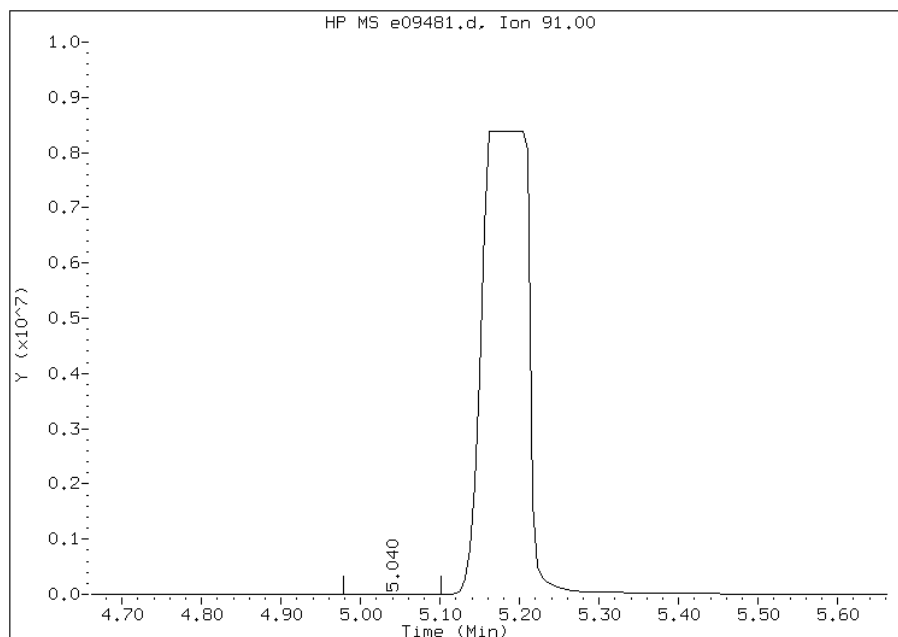


Manual Integration Report

Data File: e09481.d
Inj. Date and Time: 31-OCT-2012 15:09
Instrument ID: VOAMS5.i
Client ID:
Compound: 66 Toluene
CAS #: 108-88-3
Report Date: 11/01/2012

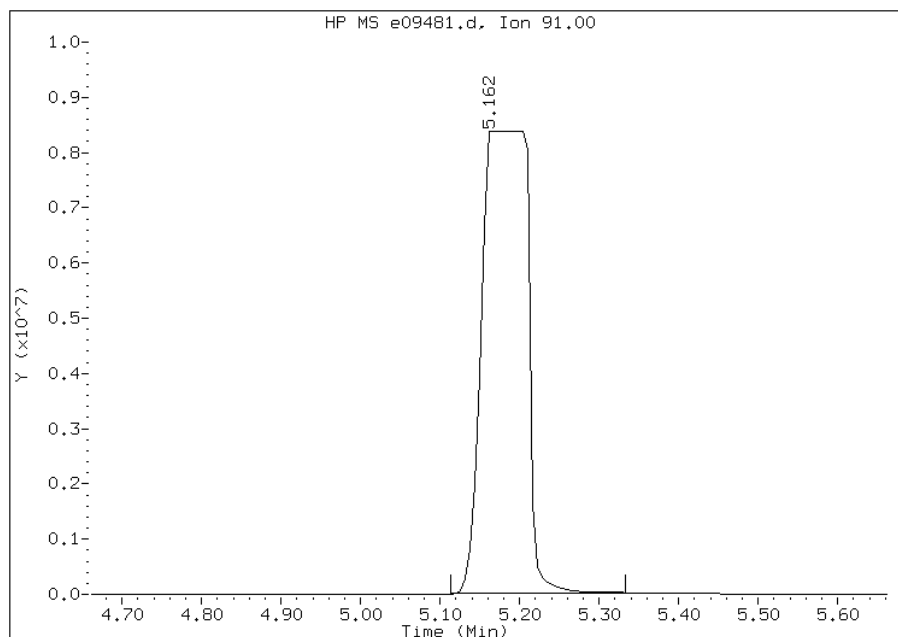
Processing Integration Results

RT: 5.04
Response: 18004
Amount: 0
Conc: 0



Manual Integration Results

RT: 5.16
Response: 33732430
Amount: 846
Conc: 846



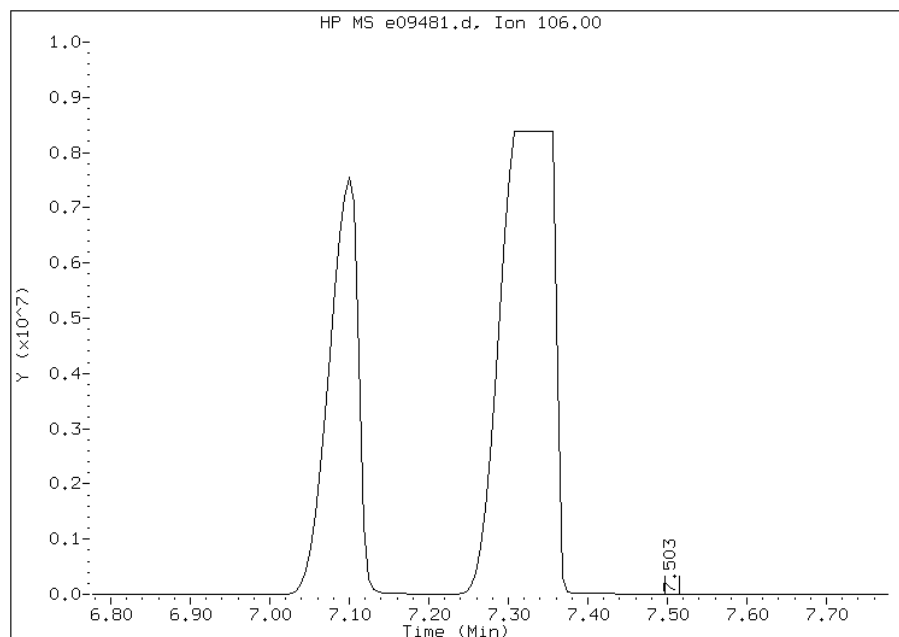
Manually Integrated By: maryb
Manual Integration Reason: Analyte not Identified by the Data System

Manual Integration Report

Data File: e09481.d
Inj. Date and Time: 31-OCT-2012 15:09
Instrument ID: VOAMS5.i
Client ID:
Compound: 82 m+p-Xylene
CAS #: 179601-23-1
Report Date: 11/01/2012

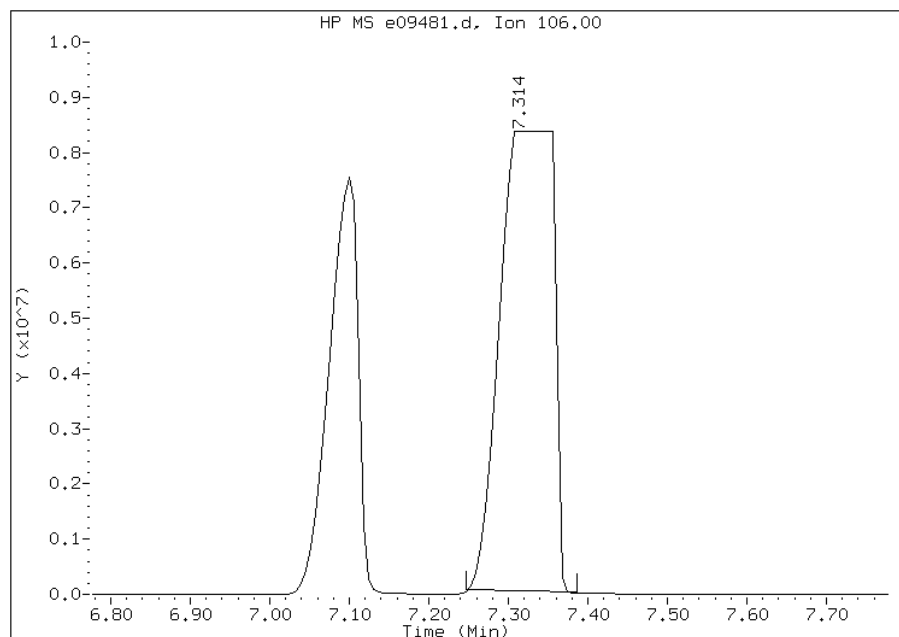
Processing Integration Results

RT: 7.50
Response: 4828
Amount: 0
Conc: 0



Manual Integration Results

RT: 7.31
Response: 39055669
Amount: 2092
Conc: 2092



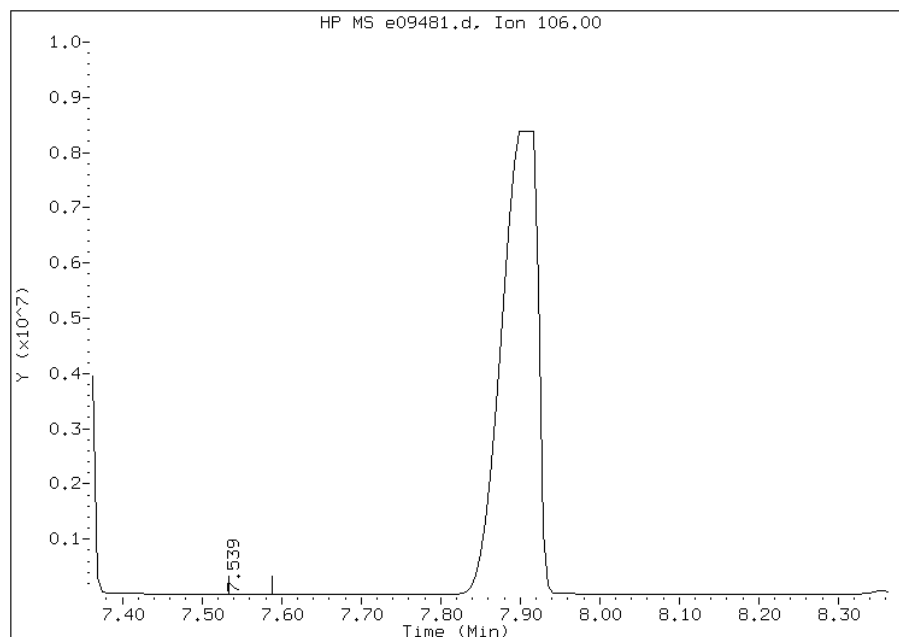
Manually Integrated By: maryb
Manual Integration Reason: Analyte not Identified by the Data System

Manual Integration Report

Data File: e09481.d
Inj. Date and Time: 31-OCT-2012 15:09
Instrument ID: VOAMS5.i
Client ID:
Compound: 84 o-Xylene
CAS #: 95-47-6
Report Date: 11/01/2012

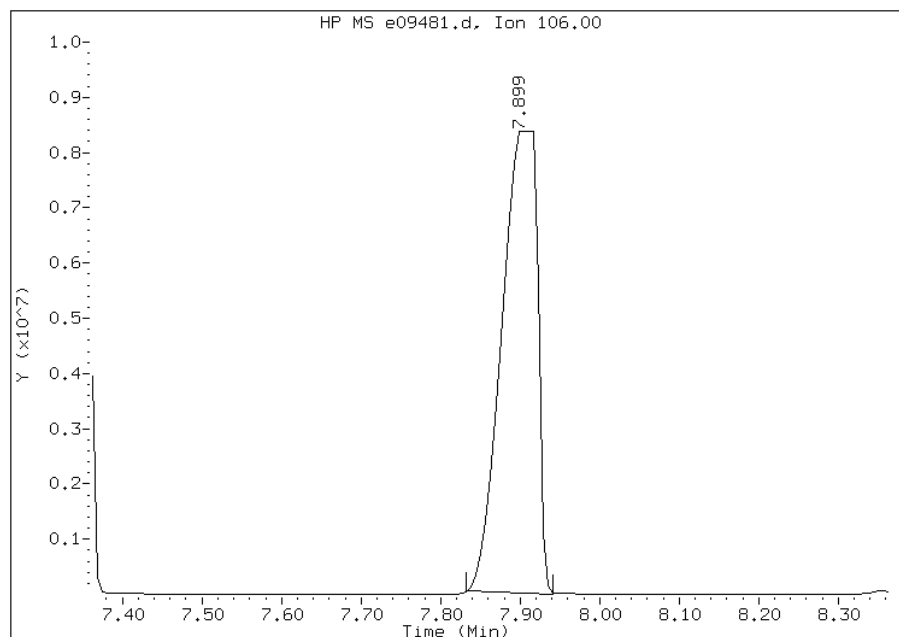
Processing Integration Results

RT: 7.54
Response: 5184
Amount: 0
Conc: 0



Manual Integration Results

RT: 7.90
Response: 26453317
Amount: 1443
Conc: 1443



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

Data File: e09481.d

Date: 31-OCT-2012 15:09

Client ID:

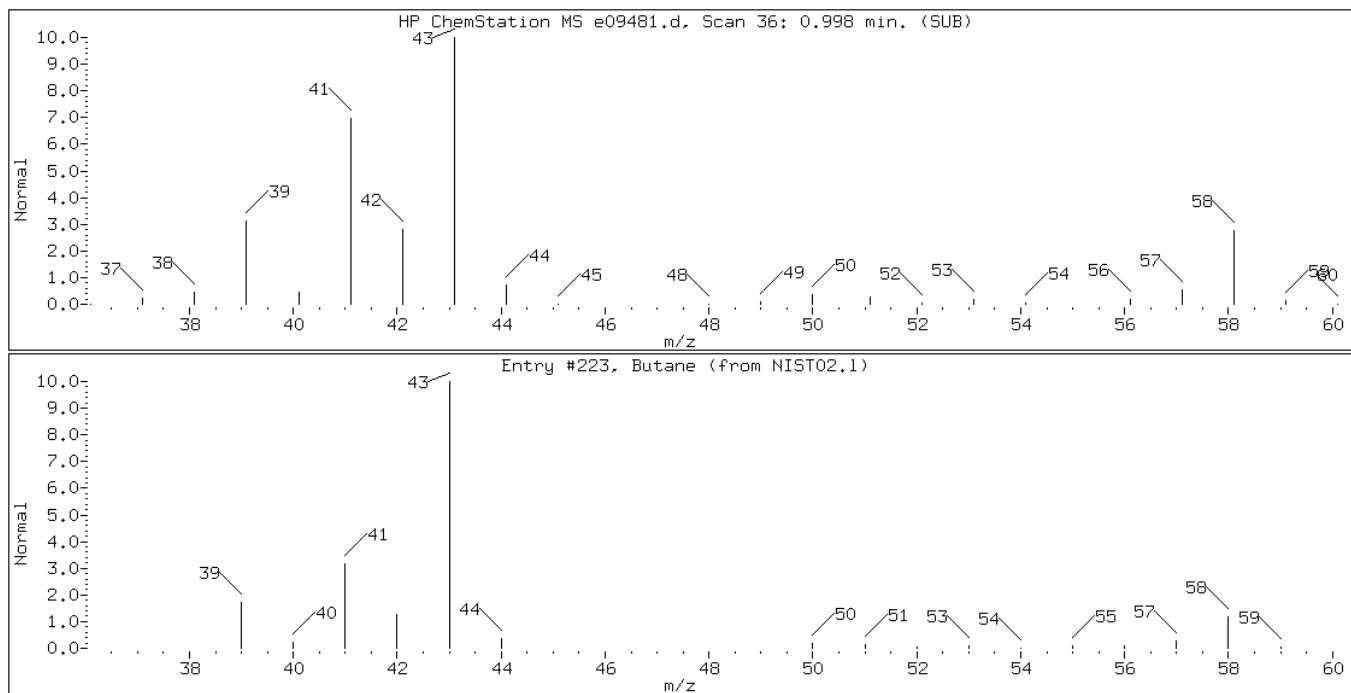
Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

Retention Time: 1.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C4H10 Alkane						
Butane	106-97-8	NIST02.1	223	42	C4H10	58



Data File: e09481.d

Date: 31-OCT-2012 15:09

Client ID:

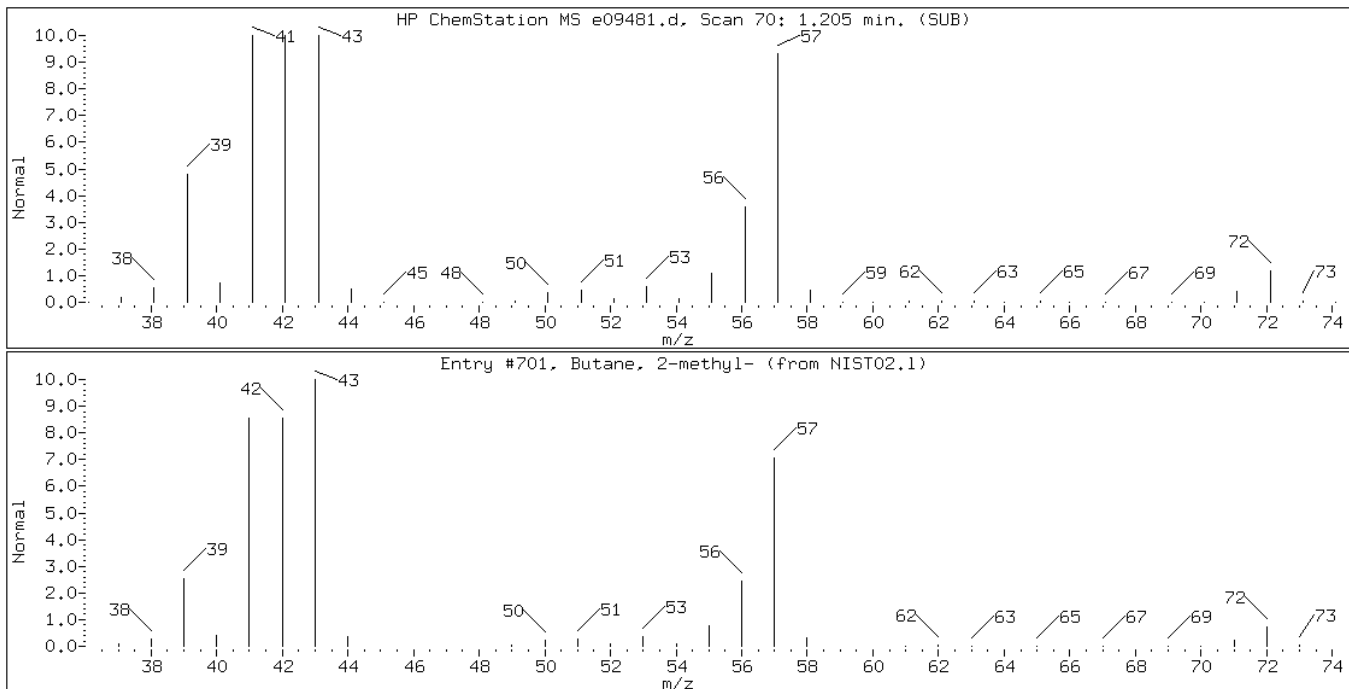
Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

Retention Time: 1.21

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H12 Alkane						
Butane, 2-methyl-	78-78-4	NIST02.1	701	87	C5H12	72



Data File: e09481.d

Date: 31-OCT-2012 15:09

Client ID:

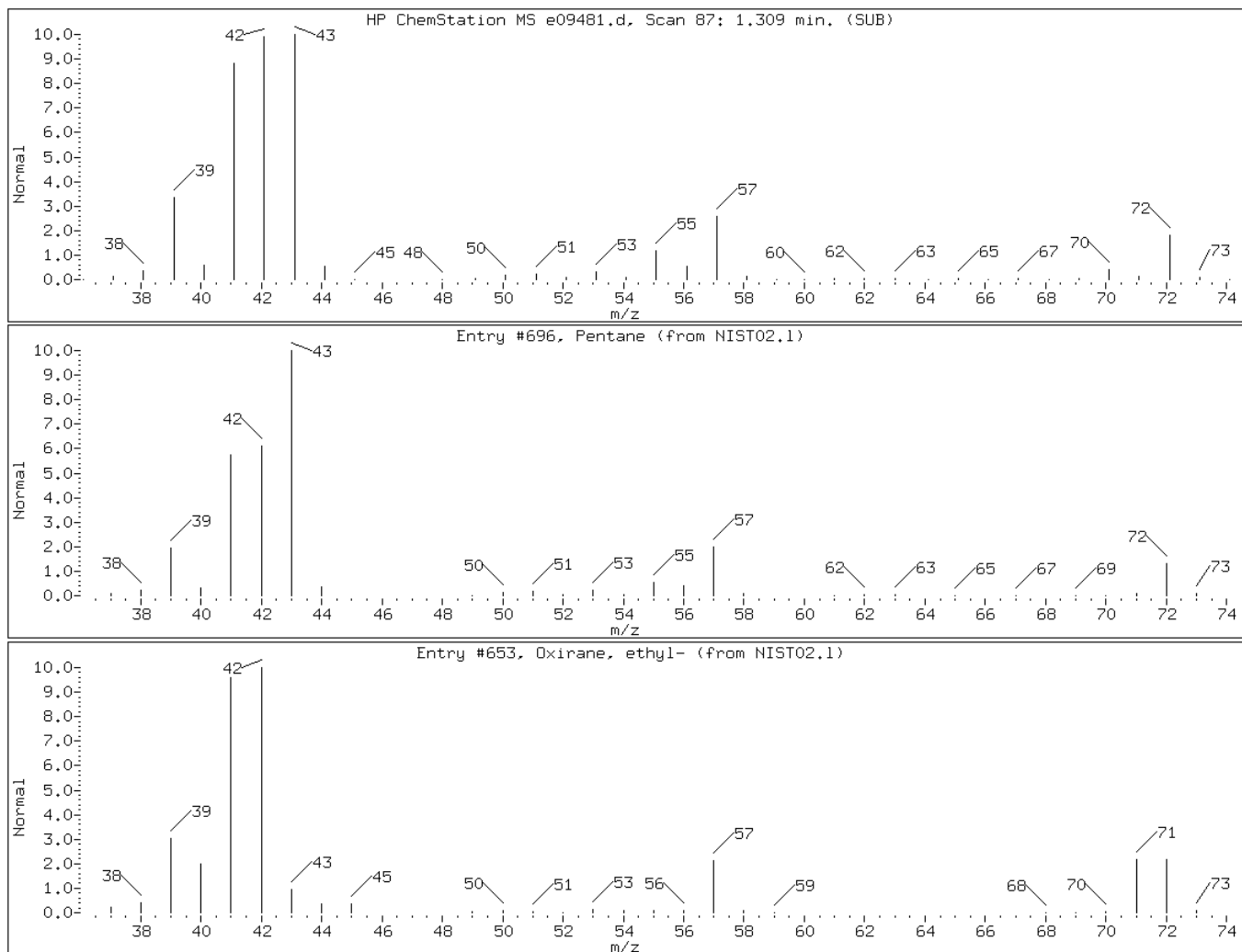
Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

Retention Time: 1.31

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H12 Alkane-1						
Pentane	109-66-0	NIST02.1	696	81	C5H12	72
Oxirane, ethyl-	106-88-7	NIST02.1	653	59	C4H8O	72



Data File: e09481.d

Date: 31-OCT-2012 15:09

Client ID:

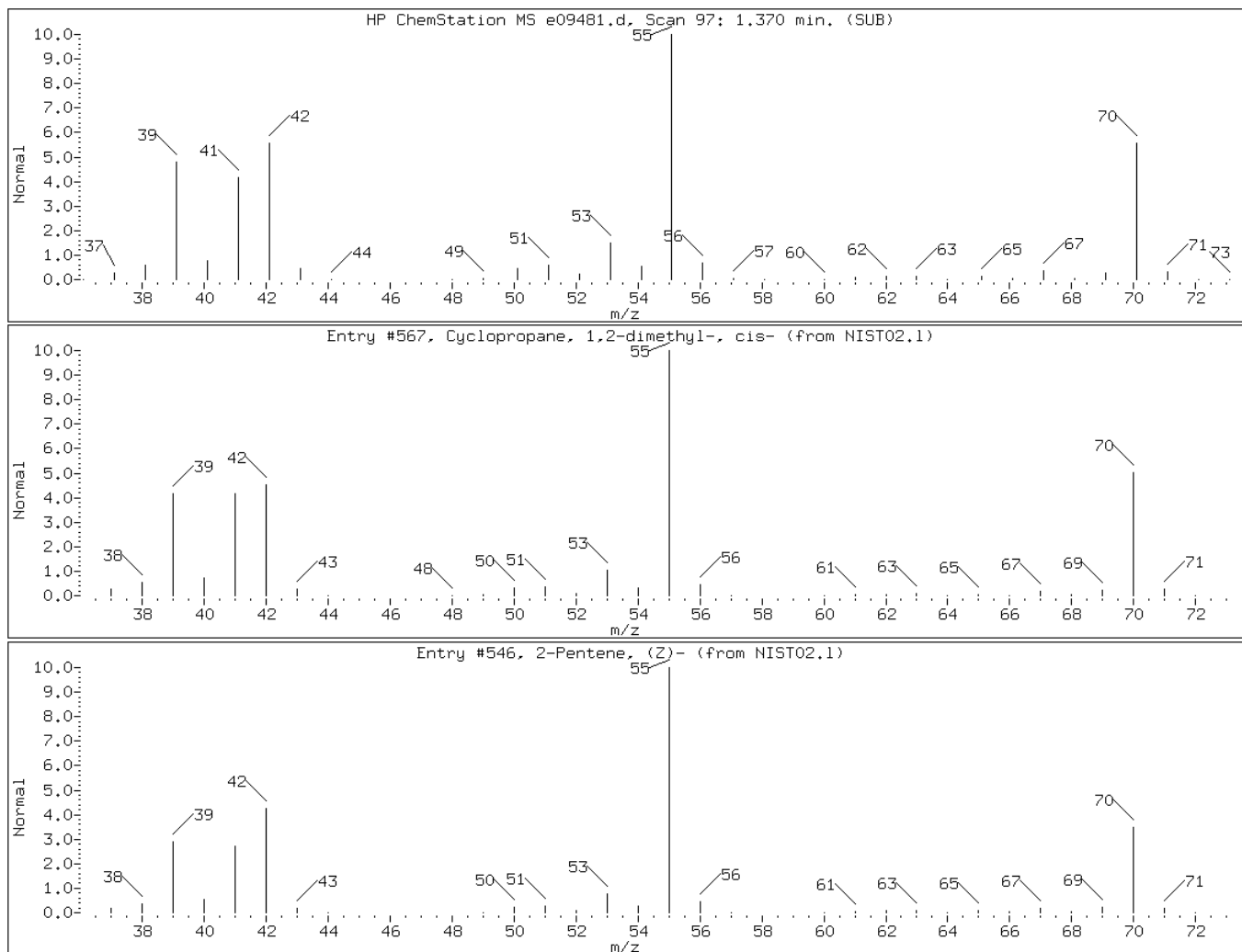
Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

Retention Time: 1.37

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H10 Cycloalkane						
Cyclopropane, 1,2-dimethyl-, cis-	930-18-7	NIST02.1	567	90	C5H10	70
2-Pentene, (Z)-	627-20-3	NIST02.1	546	83	C5H10	70



Data File: e09481.d

Date: 31-OCT-2012 15:09

Client ID:

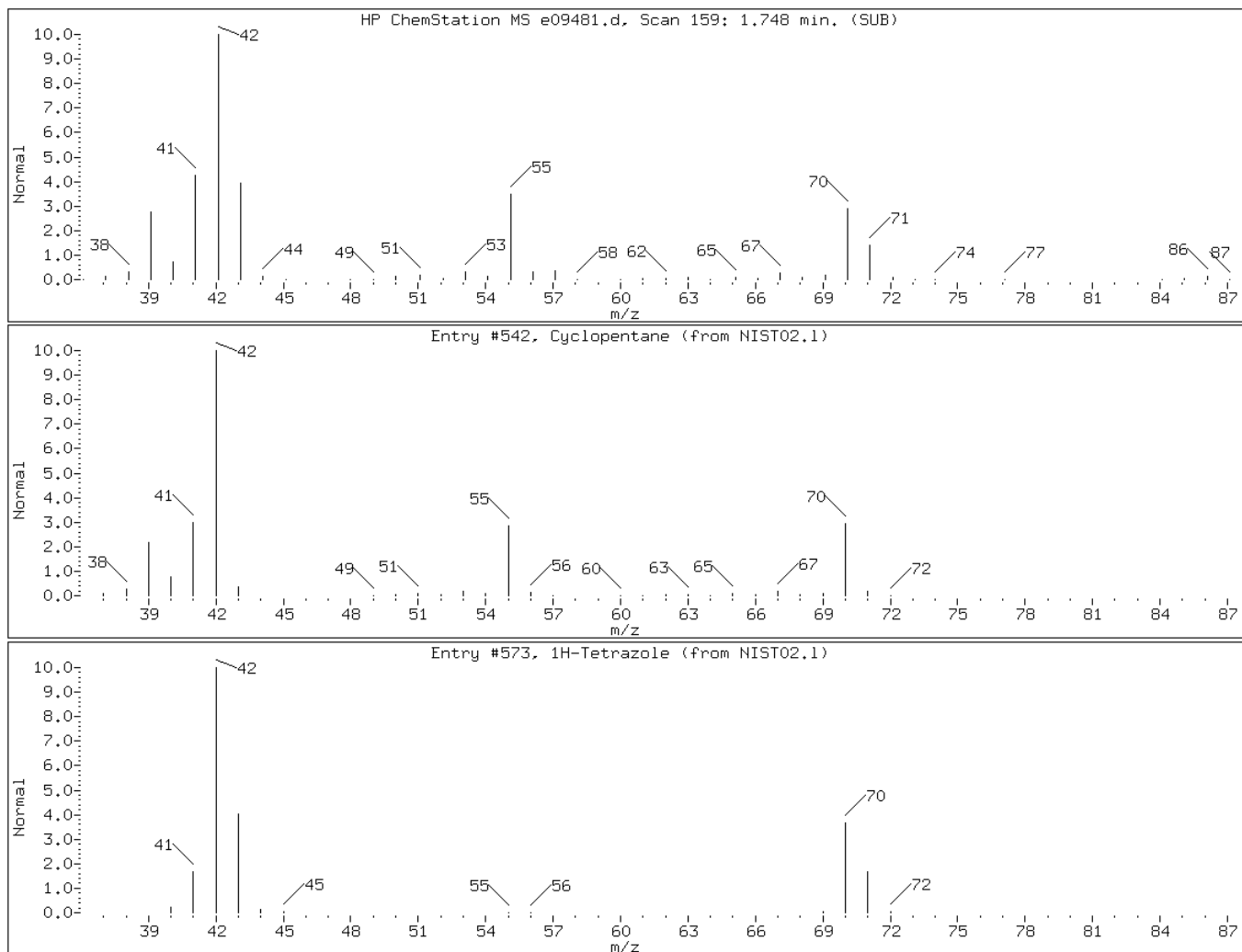
Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

Retention Time: 1.75

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H10 Cycloalkane-1						
Cyclopentane	287-92-3	NIST02.1	542	72	C5H10	70
1H-Tetrazole	288-94-8	NIST02.1	573	64	CH2N4	70



Data File: e09481.d

Date: 31-OCT-2012 15:09

Client ID:

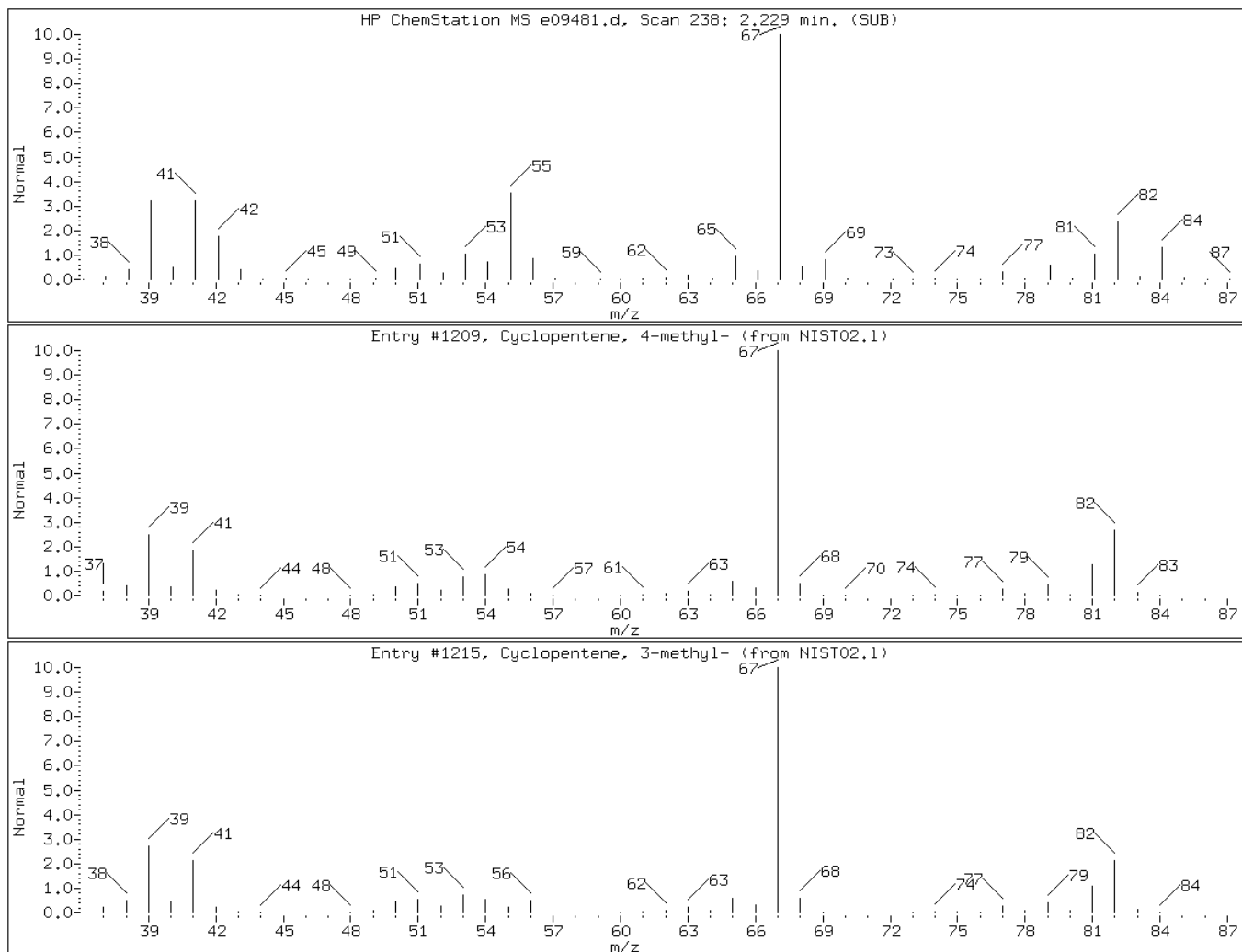
Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

Retention Time: 2.23

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C6H10 Cycloalkene						
Cyclopentene, 4-methyl-	1759-81-5	NIST02.1	1209	93	C6H10	82
Cyclopentene, 3-methyl-	1120-62-3	NIST02.1	1215	87	C6H10	82



Data File: e09481.d

Date: 31-OCT-2012 15:09

Client ID:

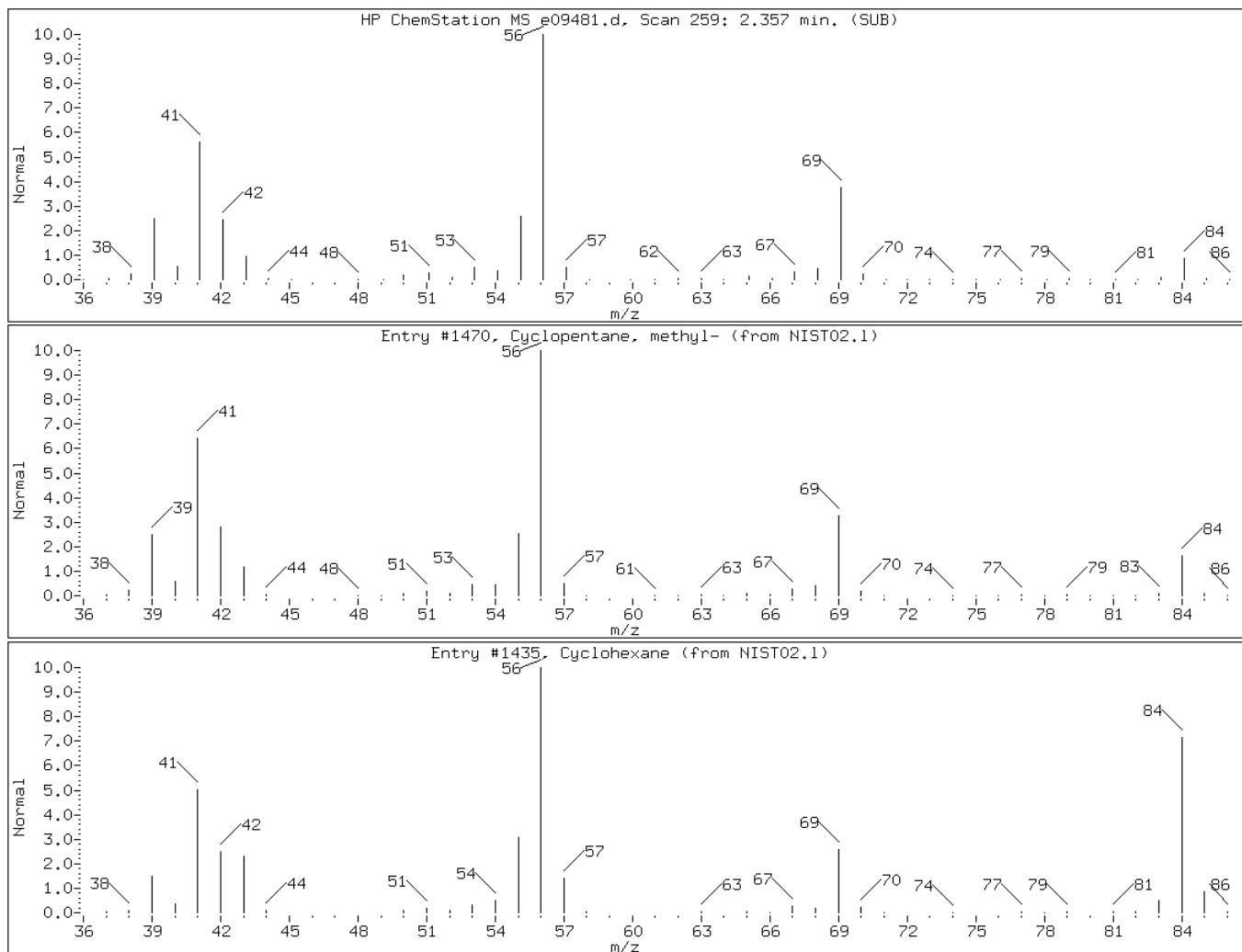
Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

Retention Time: 2.36

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C6H12 Cycloalkane						
Cyclopentane, methyl-	96-37-7	NIST02.1	1470	91	C6H12	84
Cyclohexane	110-82-7	NIST02.1	1435	90	C6H12	84



Data File: e09481.d

Date: 31-OCT-2012 15:09

Client ID:

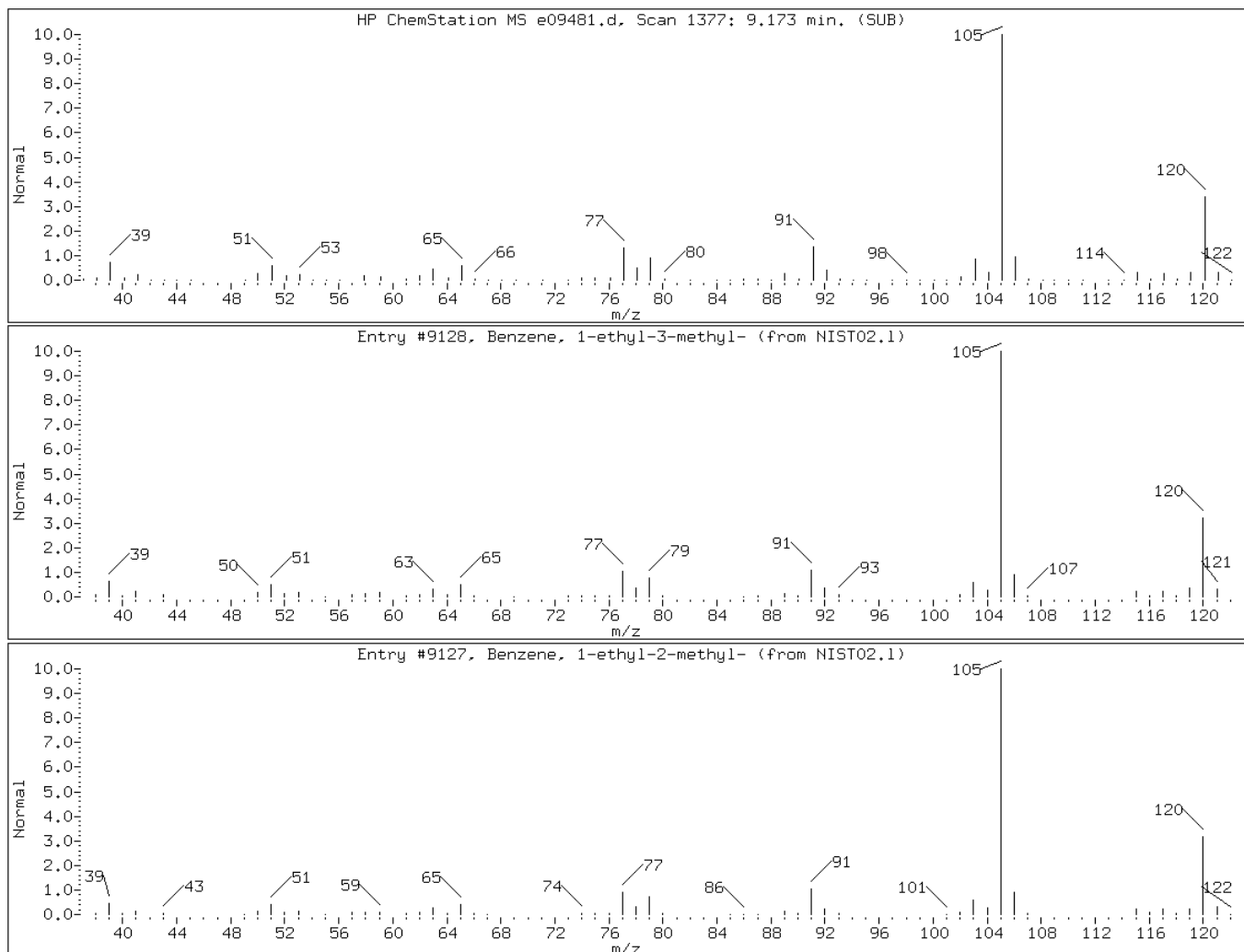
Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

Retention Time: 9.17

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H12 Aromatic						
Benzene, 1-ethyl-3-methyl-	620-14-4	NIST02.1	9128	97	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NIST02.1	9127	95	C9H12	120



Data File: e09481.d

Date: 31-OCT-2012 15:09

Client ID:

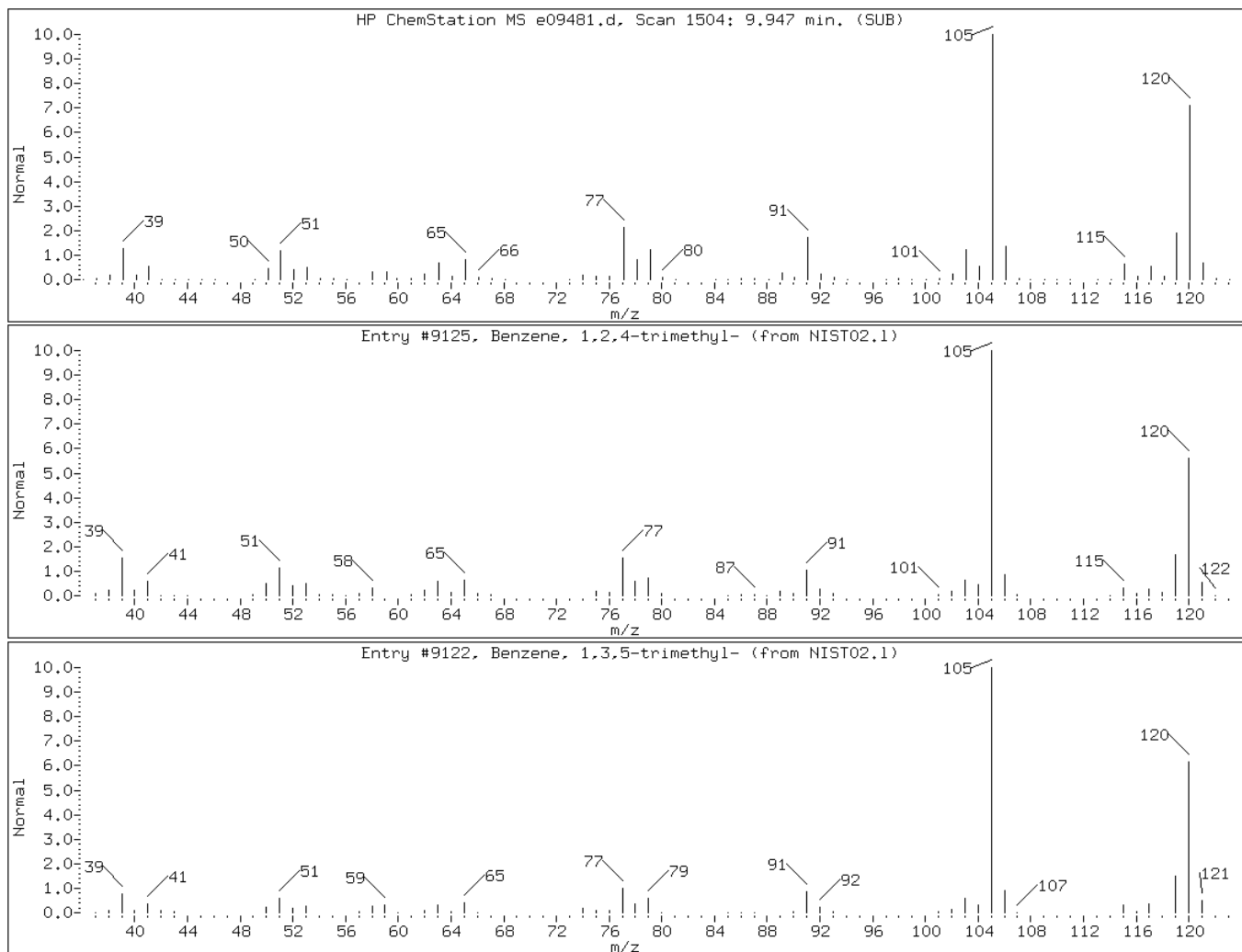
Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

Retention Time: 9.95

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H12 Aromatic-2						
Benzene, 1,2,4-trimethyl-	95-63-6	NIST02.1	9125	94	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NIST02.1	9122	93	C9H12	120



Data File: e09481.d

Date: 31-OCT-2012 15:09

Client ID:

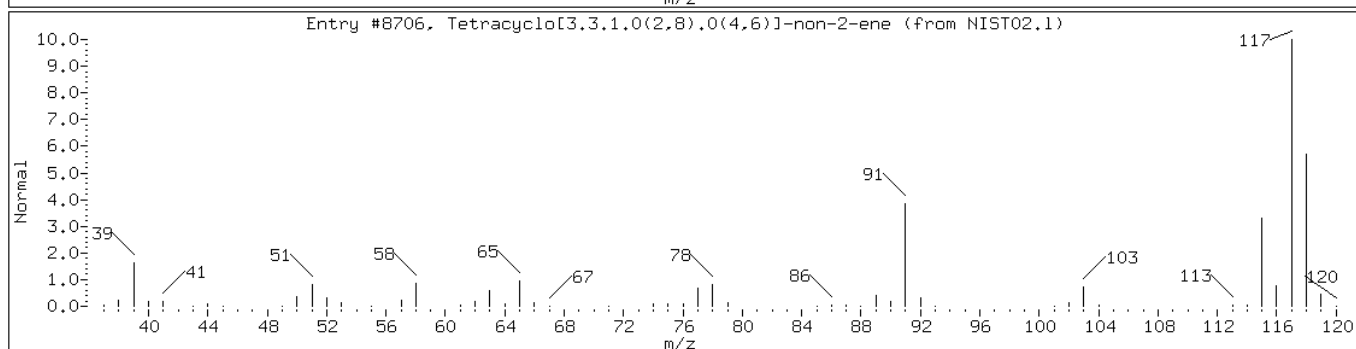
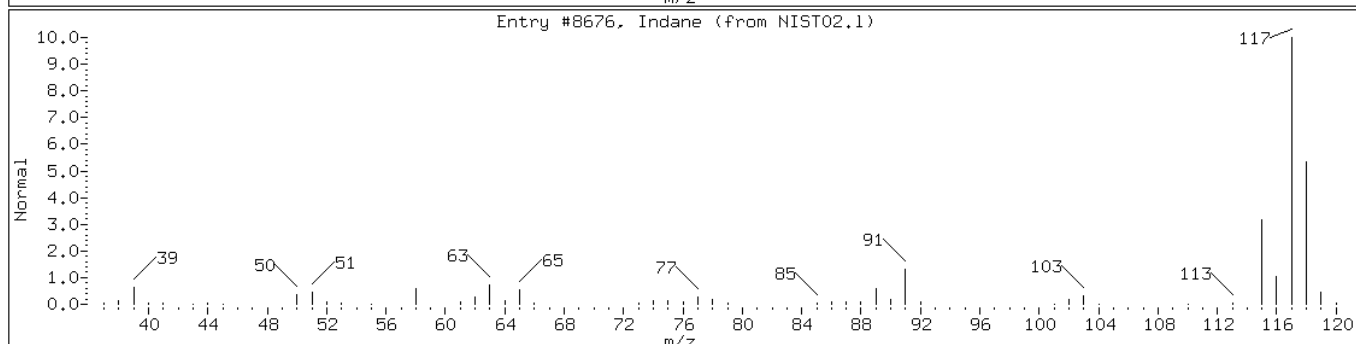
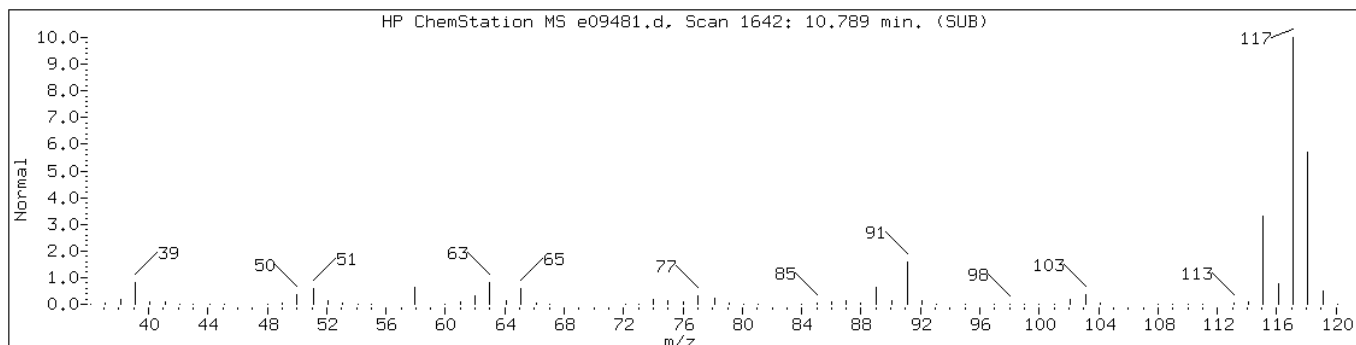
Instrument: VOAMS5.i

Sample Info: 460-46388-A-2

Operator: GC/MS VOAMS5

Retention Time: 10.79

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H10 Aromatic						
Indane	496-11-7	NIST02.1	8676	94	C9H10	118
Tetracyclo[3.3.1.0(2,8).0(4,6)]-no	1000191-13-7	NIST02.1	8706	80	C9H10	118



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Client Sample ID: WG-17338-102212-MW36S-MM- Lab Sample ID: 460-46388-2 DL
 Matrix: Water Lab File ID: e09500.d
 Analysis Method: 8260B Date Collected: 10/22/2012 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 11/01/2012 01:49
 Soil Aliquot Vol: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 134044 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	1000	D	5.0	0.50
71-43-2	Benzene	500	D	5.0	0.40
108-88-3	Toluene	1600	D	5.0	0.75
1330-20-7	Xylenes, Total	4000	D	15	1.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98	D	70-130
460-00-4	4-Bromofluorobenzene	101	D	70-130
2037-26-5	Toluene-d8 (Surr)	100	D	70-130

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09500.d
 Report Date: 01-Nov-2012 10:18

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09500.d
 Lab Smp Id: 460-46388-B-2
 Inj Date : 01-NOV-2012 01:49
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : 460-46388-B-2;5
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/8260DE_09.m
 Meth Date : 01-Nov-2012 05:10 audberto Quant Type: ISTD
 Cal Date : 31-OCT-2012 20:54 Cal File: e09491.d
 Als bottle: 10
 Dil Factor: 5.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	5.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
							(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====		=====	=====
38 2-Butanone	72	3.071	3.071	(0.853)	3942		3.63800	18(a)
42 Chloroform	83	2.845	2.839	(0.790)	18745		1.62927	8.1
44 Cyclohexane	56	2.790	2.778	(0.775)	435523		42.2997	210
48 Benzene	78	3.260	3.260	(0.469)	2552346		99.0390	500
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363	(0.934)	359625		48.9292	49
49 1,2-Dichloroethane	62	3.418	3.412	(0.949)	6492		0.69227	3.5(a)
* 52 Fluorobenzene	96	3.601	3.595	(1.000)	794114		50.0000	
56 Methyl cyclohexane	83	3.729	3.729	(1.036)	113334		12.7255	64
70 4-Methyl-2-Pentanone	43	5.625	5.625	(0.809)	24559		3.60542	18(a)
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	1144372		49.9434	50
66 Toluene	91	5.168	5.162	(0.743)	9709869		314.749	1600
73 2-Hexanone	43	6.680	6.680	(0.961)	6275		1.28517	6.4(aH)
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	1111479		50.0000	
81 Ethylbenzene	106	7.070	7.064	(1.017)	2286353		207.981	1000
82 m+p-Xylene	106	7.289	7.277	(1.048)	7570608		534.355	2700
84 o-Xylene	106	7.868	7.862	(1.131)	3732079		267.203	1300

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09500.d
 Report Date: 01-Nov-2012 10:18

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	
=====	=====	==	=====	=====	=====	(ug/L)	(ug/L)	=====
85 Styrene	104	7.948	7.942	(1.143)	67800	2.96602	15	
88 Isopropylbenzene	105	8.350	8.344	(1.201)	171961	4.95610	25	
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	585532	50.5191	50	
* 108 1,4-Dichlorobenzene-d4	152	10.465	10.466	(1.000)	813272	50.0000		
M 121 Xylene (Total)	100				11302687	801.557	4000	

QC Flag Legend

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

Data File: e09500.d

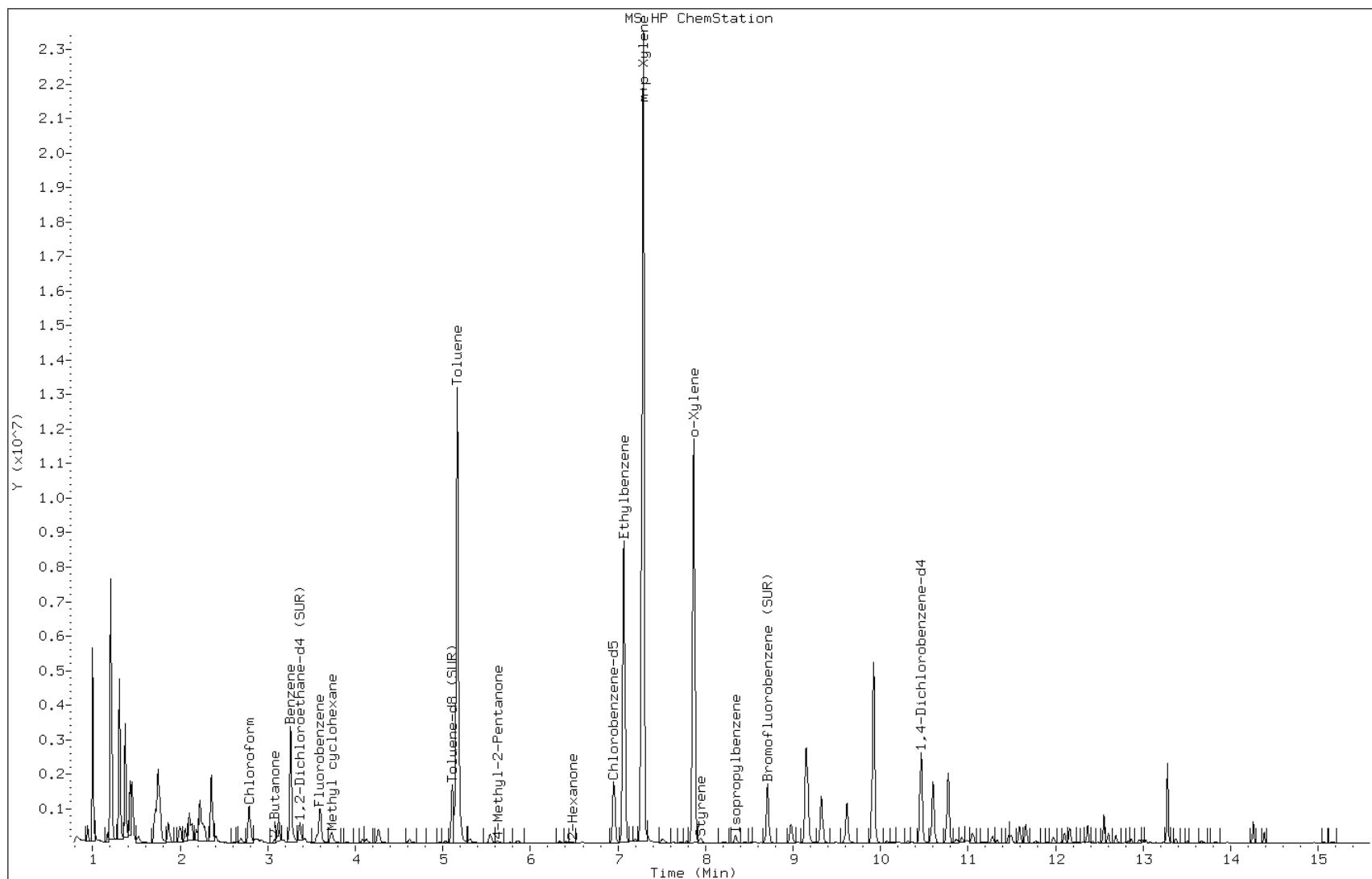
Date: 01-NOV-2012 01:49

Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-2;5

Operator: GC/MS VOAMS5



Data File: e09500.d

Date: 01-NOV-2012 01:49

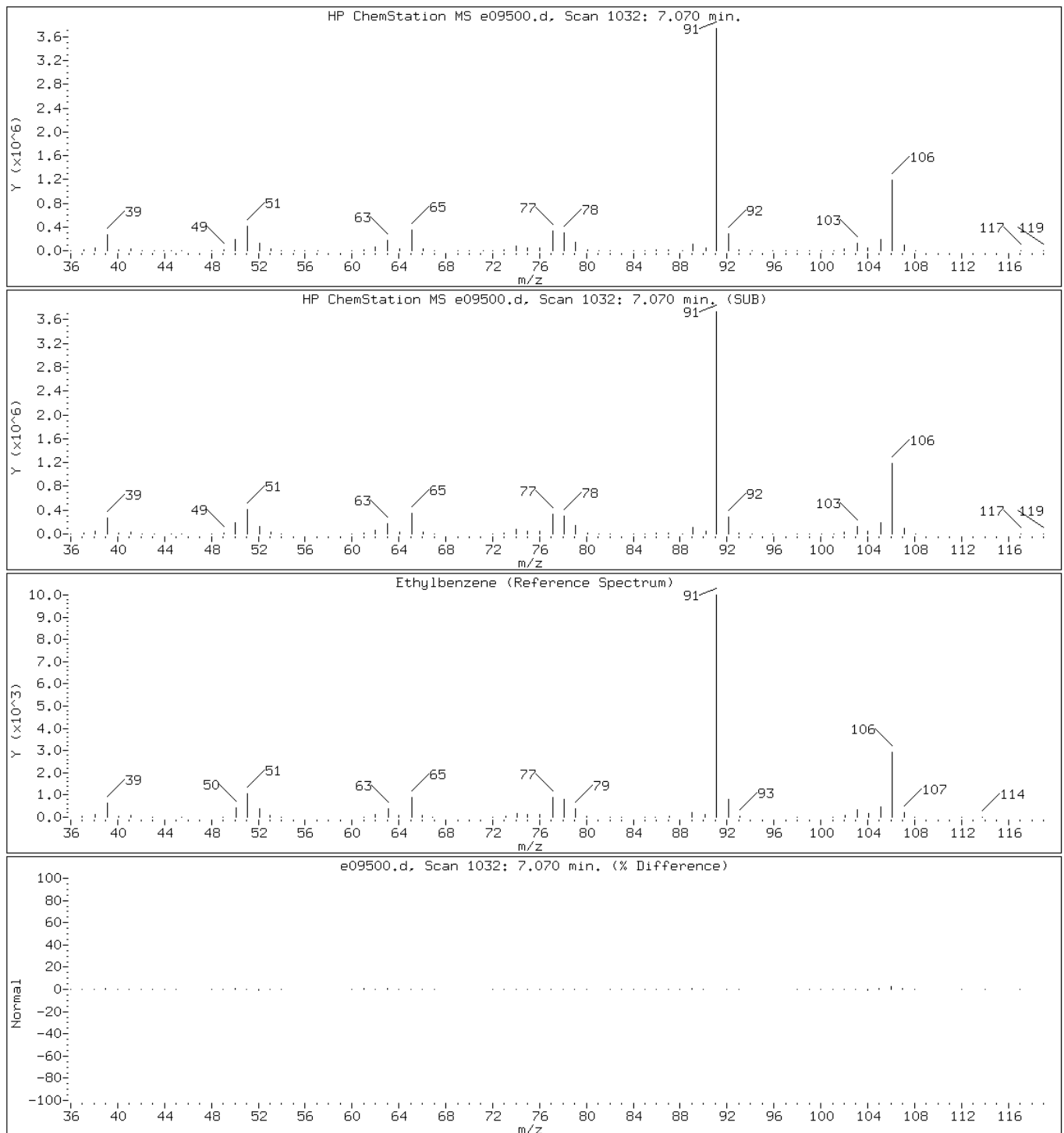
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-2;5

Operator: GC/MS VOAMS5

81 Ethylbenzene



Data File: e09500.d

Date: 01-NOV-2012 01:49

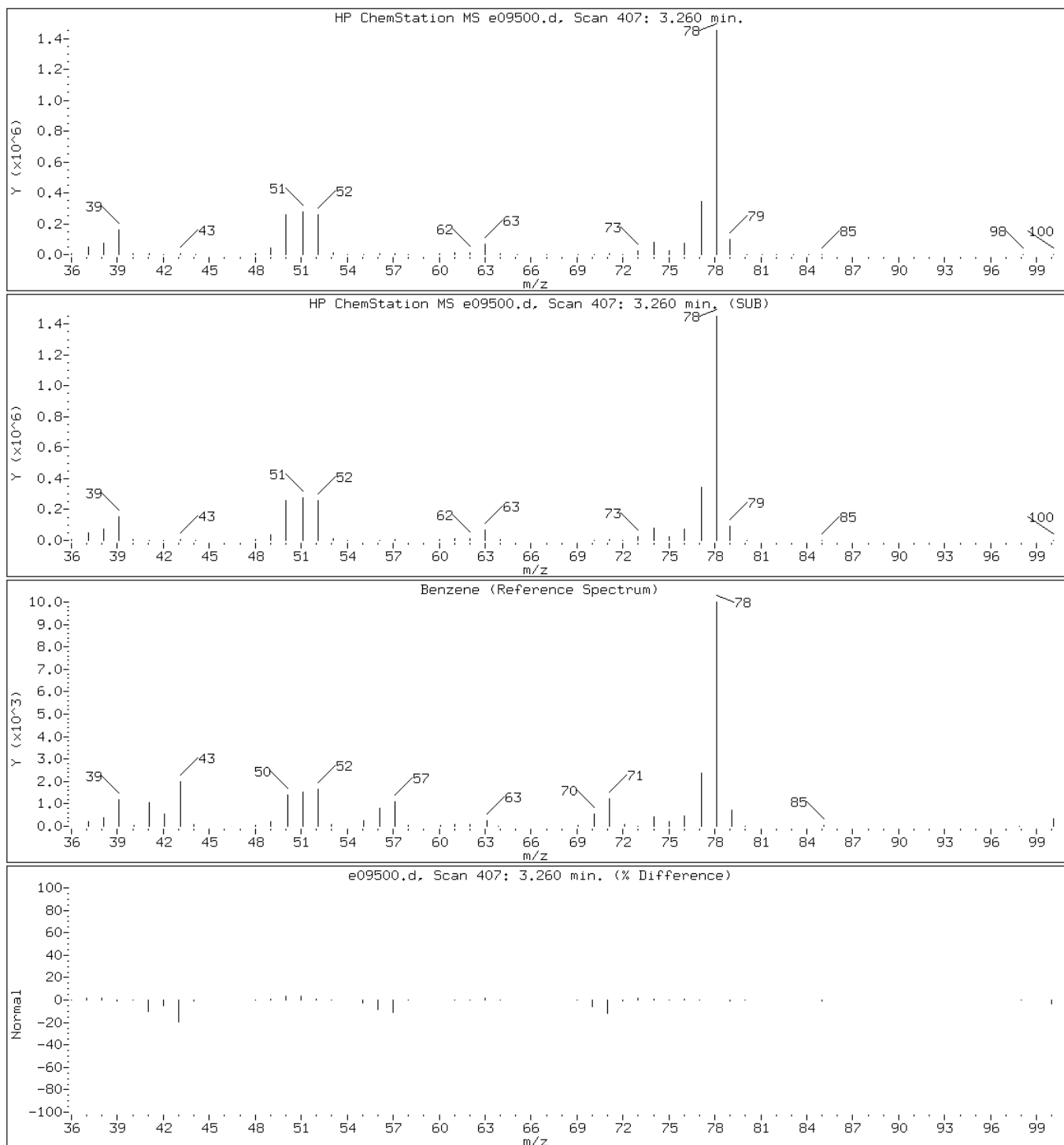
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-2;5

Operator: GC/MS VOAMS5

48 Benzene



Data File: e09500.d

Date: 01-NOV-2012 01:49

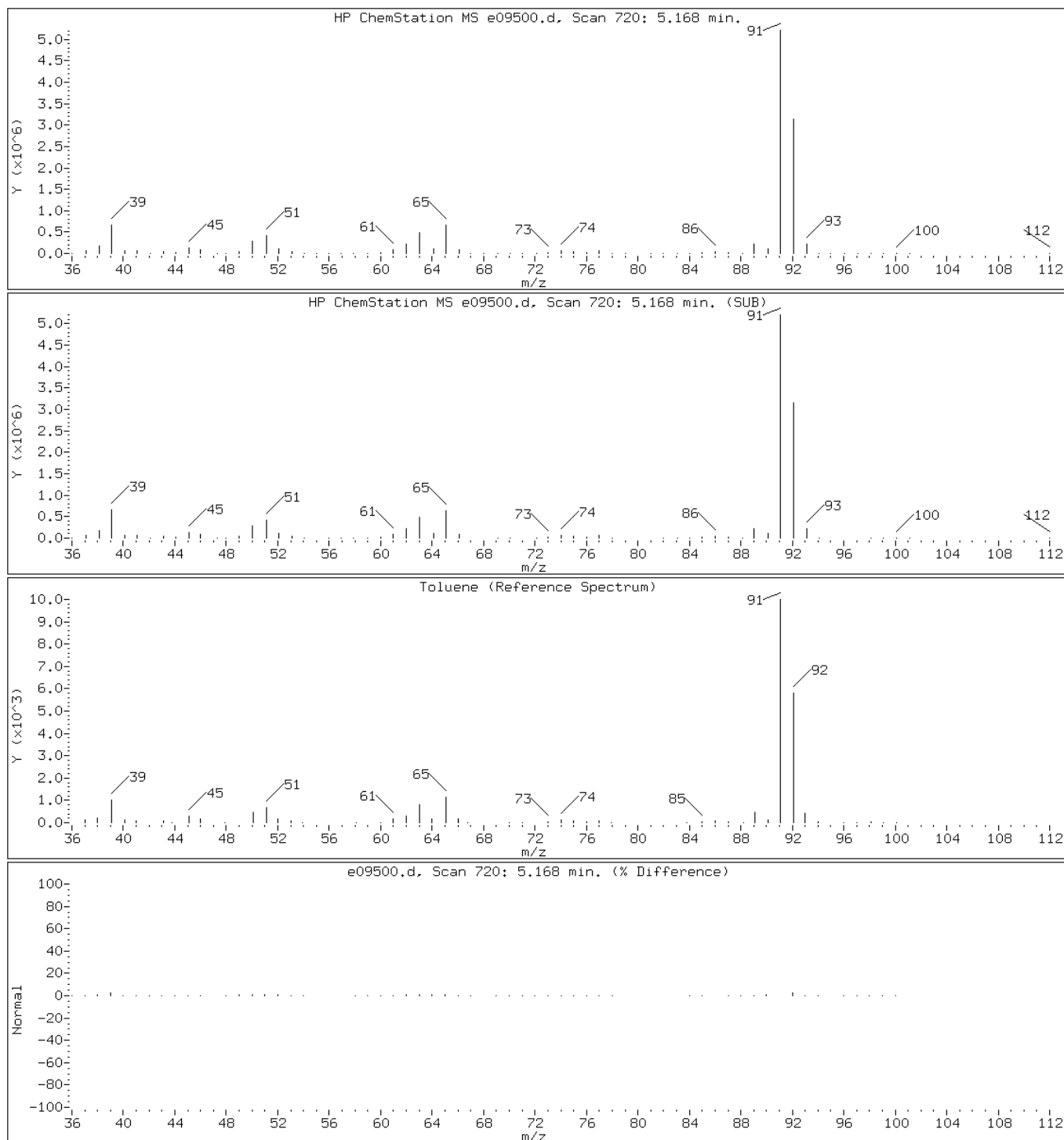
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-2;5

Operator: GC/MS VOAMS5

66 Toluene



Data File: e09500.d

Date: 01-NOV-2012 01:49

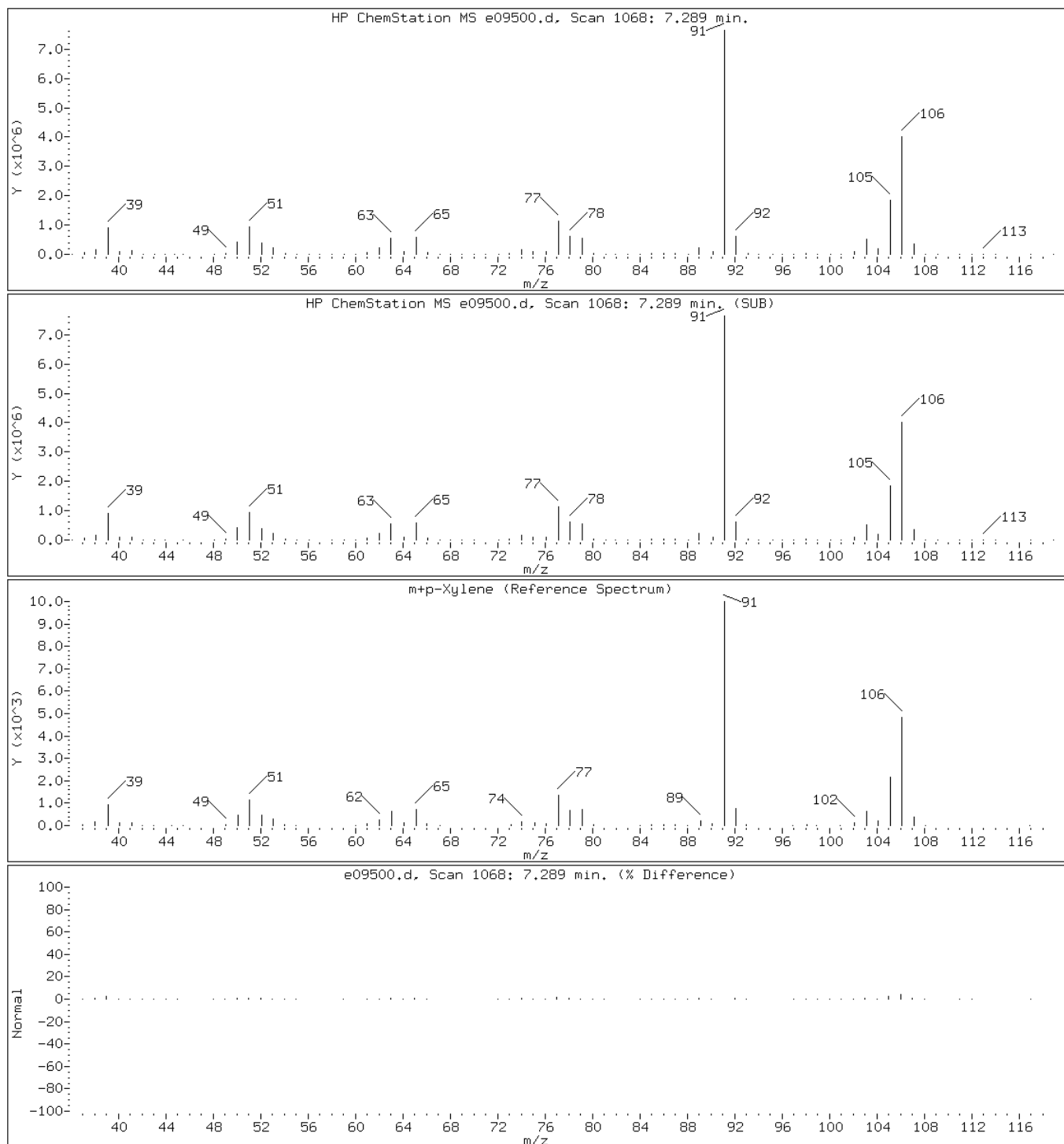
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-2;5

Operator: GC/MS VOAMS5

82 m+p-Xylene



Data File: e09500.d

Date: 01-NOV-2012 01:49

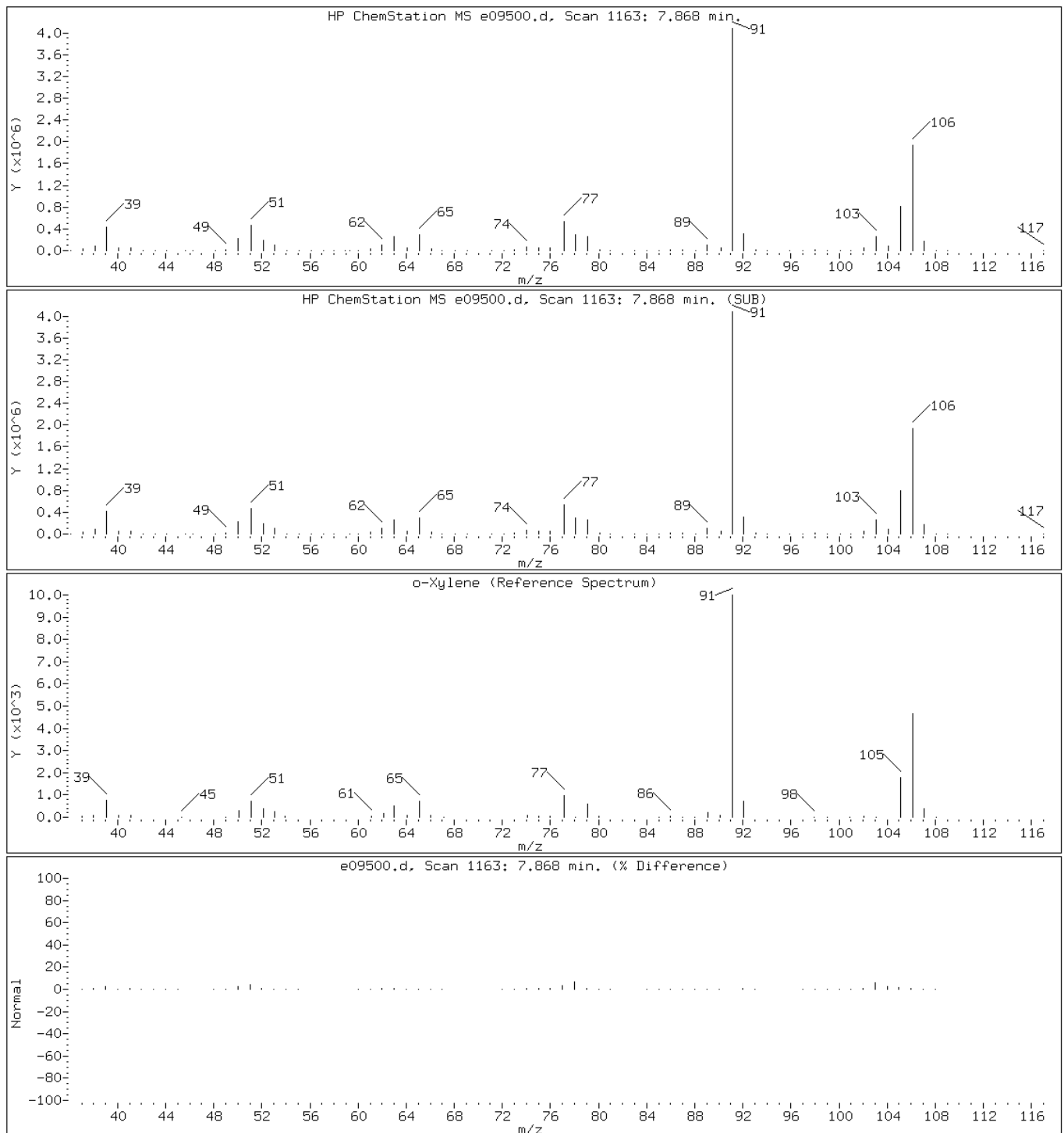
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-2;5

Operator: GC/MS VOAMS5

84 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Client Sample ID: WG-17338-102312-MW36D-MM- Lab Sample ID: 460-46388-3

Matrix: Water Lab File ID: e09482.d

Analysis Method: 8260B Date Collected: 10/23/2012 13:00

Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 15:32

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)

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

Analysis Batch No.: 134043 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.060	U	1.0	0.060
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.10	U	1.0	0.10
75-01-4	Vinyl chloride	0.14	U	1.0	0.14
74-83-9	Bromomethane	0.18	U	1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	0.40	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	0.21	U	1.0	0.21
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.090	U	1.0	0.090
78-87-5	1,2-Dichloropropane	0.090	U	1.0	0.090
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	1.0	0.080
67-64-1	Acetone	2.7	U *	5.0	2.7
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
79-20-9	Methyl acetate	0.34	U	2.0	0.34
75-09-2	Methylene Chloride	0.18	U	1.0	0.18
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
124-48-1	Chlorodibromomethane	0.20	U	1.0	0.20
1634-04-4	Methyl tert-butyl ether	0.21	J	1.0	0.14
75-00-3	Chloroethane	0.17	U	1.0	0.17
75-34-3	1,1-Dichloroethane	0.13	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.18	U	1.0	0.18
78-93-3	2-Butanone (MEK)	2.3	U	5.0	2.3
67-66-3	Chloroform	2.0		1.0	0.080
100-41-4	Ethylbenzene	9.7		1.0	0.10
110-82-7	Cyclohexane	86		1.0	0.16
56-23-5	Carbon tetrachloride	0.060	U	1.0	0.060
71-43-2	Benzene	690	E	1.0	0.080
107-06-2	1,2-Dichloroethane	31		1.0	0.19
79-01-6	Trichloroethene	0.16	J	1.0	0.090
108-87-2	Methylcyclohexane	31		1.0	0.14
75-27-4	Dichlorobromomethane	0.12	U	1.0	0.12
10061-01-5	cis-1,3-Dichloropropene	0.18	U	1.0	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	1.8	J	5.0	0.99
108-88-3	Toluene	20		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	0.24	U	1.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Client Sample ID: WG-17338-102312-MW36D-MM- Lab Sample ID: 460-46388-3
 Matrix: Water Lab File ID: e09482.d
 Analysis Method: 8260B Date Collected: 10/23/2012 13:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 15:32
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 134043 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	0.19	U	1.0	0.19
127-18-4	Tetrachloroethene	0.10	U	1.0	0.10
591-78-6	2-Hexanone	0.50	U	5.0	0.50
106-93-4	1,2-Dibromoethane	0.28	U	1.0	0.28
108-90-7	Chlorobenzene	0.11	U	1.0	0.11
1330-20-7	Xylenes, Total	65		3.0	0.36
100-42-5	Styrene	0.31	J	1.0	0.12
75-25-2	Bromoform	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	16		1.0	0.080
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.0	0.16
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
106-46-7	1,4-Dichlorobenzene	0.23	U	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	0.34	U	1.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		70-130
460-00-4	4-Bromofluorobenzene	101		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Client Sample ID: WG-17338-102312-MW36D-MM- Lab Sample ID: 460-46388-3
 Matrix: Water Lab File ID: e09482.d
 Analysis Method: 8260B Date Collected: 10/23/2012 13:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 15:32
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 134043 Units: ug/L
 Number TICs Found: 10 TIC Result Total: 1945

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	0.94	85	J
	C4H10 Alkane	1.00	620	J
	C5H12 Alkane	1.21	520	J
	C5H12 Alkane-1	1.30	150	J
	C5H10 Alkene	1.37	51	J
	C5H10 Alkene	1.42	46	J
	C5H10 Cycloalkane	1.75	250	J
108-20-3	Diisopropyl ether	2.25	67	J N
	C6H12 Cycloalkane	2.36	130	J
	C9H12 Aromatic	9.62	26	J

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09482.d
Report Date: 01-Nov-2012 10:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09482.d
Lab Smp Id: 460-46388-A-3
Inj Date : 31-OCT-2012 15:32
Operator : GC/MS VOAMS5
Smp Info : 460-46388-A-3
Misc Info :
Comment :
Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/8260DE_09.m
Meth Date : 01-Nov-2012 09:27 maryb
Cal Date : 31-OCT-2012 09:18
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: hpd2
Inst ID: VOAMS5.i
Quant Type: ISTD
Cal File: e09466.d
Compound Sublist: HSLDEL.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	
						(ug/L)	(ug/L)	
28 MTBE	73	2.022	2.022 (0.562)		5107	0.21375	0.21(a)	
42 Chloroform	83	2.845	2.839 (0.791)		26628	1.97640	2.0(H)	
44 Cyclohexane	56	2.790	2.778 (0.776)		1142196	85.9815	86	
48 Benzene	78	3.260	3.260 (0.469)		21626755	694.007	690(AM)	
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363 (0.936)		429003	52.4990	52	
49 1,2-Dichloroethane	62	3.418	3.412 (0.951)		336927	30.5594	30	
* 52 Fluorobenzene	96	3.595	3.595 (1.000)		984250	50.0000		
54 Trichloroethene	95	3.747	3.735 (1.042)		1294	0.15589	0.16(aH)	
56 Methyl cyclohexane	83	3.729	3.723 (1.037)		373848	30.7948	31	
70 4-Methyl-2-Pentanone	43	5.625	5.631 (0.809)		14083	1.81535	1.8(a)	
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107 (0.734)		1376819	51.0710	51	
66 Toluene	91	5.162	5.162 (0.742)		714795	19.5435	20	
* 78 Chlorobenzene-d5	117	6.954	6.954 (1.000)		1296332	50.0000		
81 Ethylbenzene	106	7.064	7.064 (1.016)		129826	9.67958	9.7	
82 m+p-Xylene	106	7.277	7.277 (1.046)		367988	21.4995	21	
84 o-Xylene	106	7.862	7.862 (1.131)		736443	43.8221	44	

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09482.d
 Report Date: 01-Nov-2012 10:26

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
85 Styrene		104	7.942	7.942	(1.142)	8926	0.31416	0.31(a)
88 Isopropylbenzene		105	8.350	8.344	(1.201)	672888	15.9988	16
\$ 89 Bromofluorobenzene (SUR)		174	8.710	8.710	(0.832)	684116	50.5074	50
* 108 1,4-Dichlorobenzene-d4		152	10.466	10.465	(1.000)	905443	50.0000	
M 121 Xylene (Total)		100				1104431	65.3216	65

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount
exceeded maximum amount.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: e09482.d

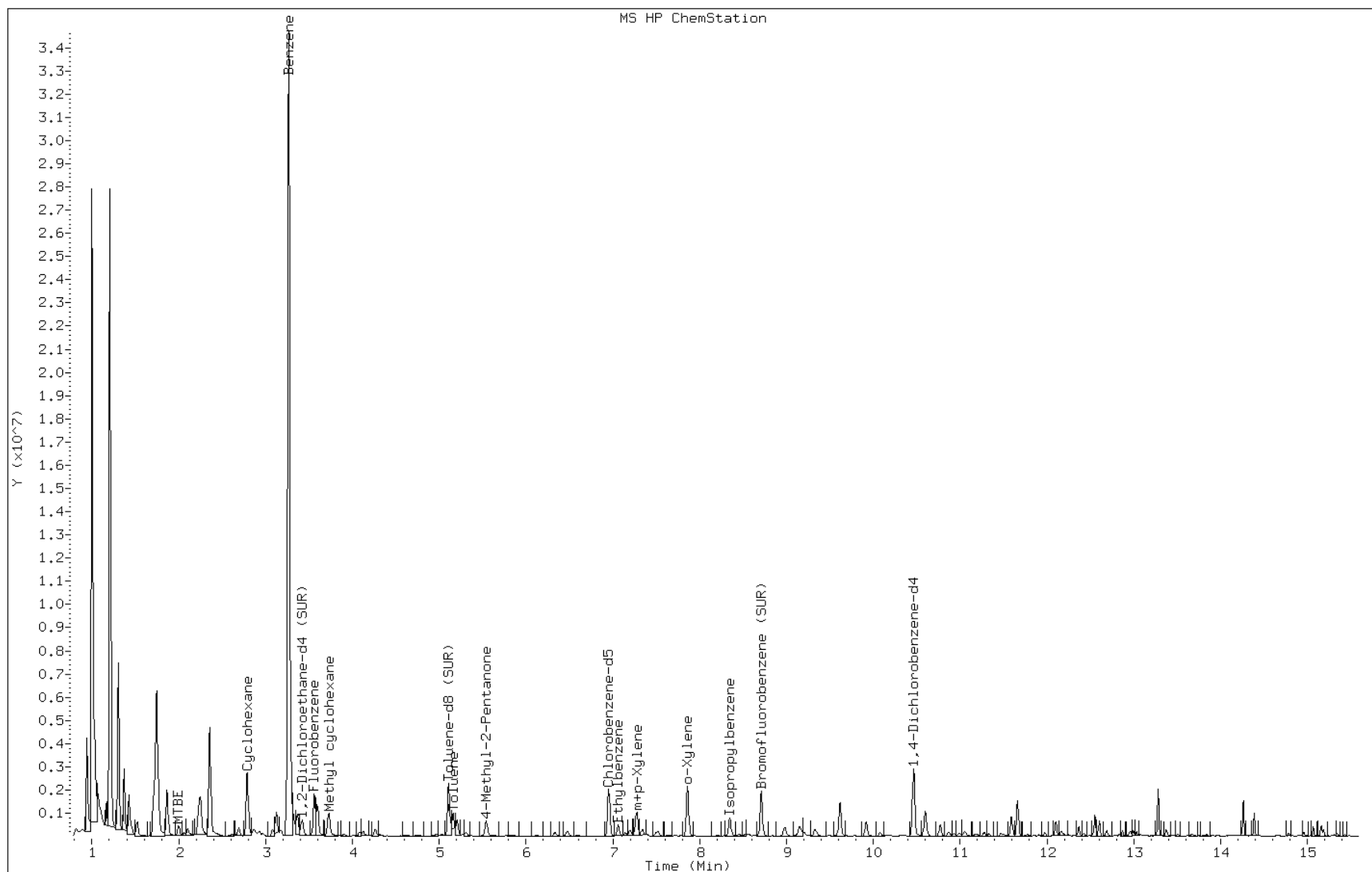
Date: 31-OCT-2012 15:32

Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5



Data File: e09482.d

Date: 31-OCT-2012 15:32

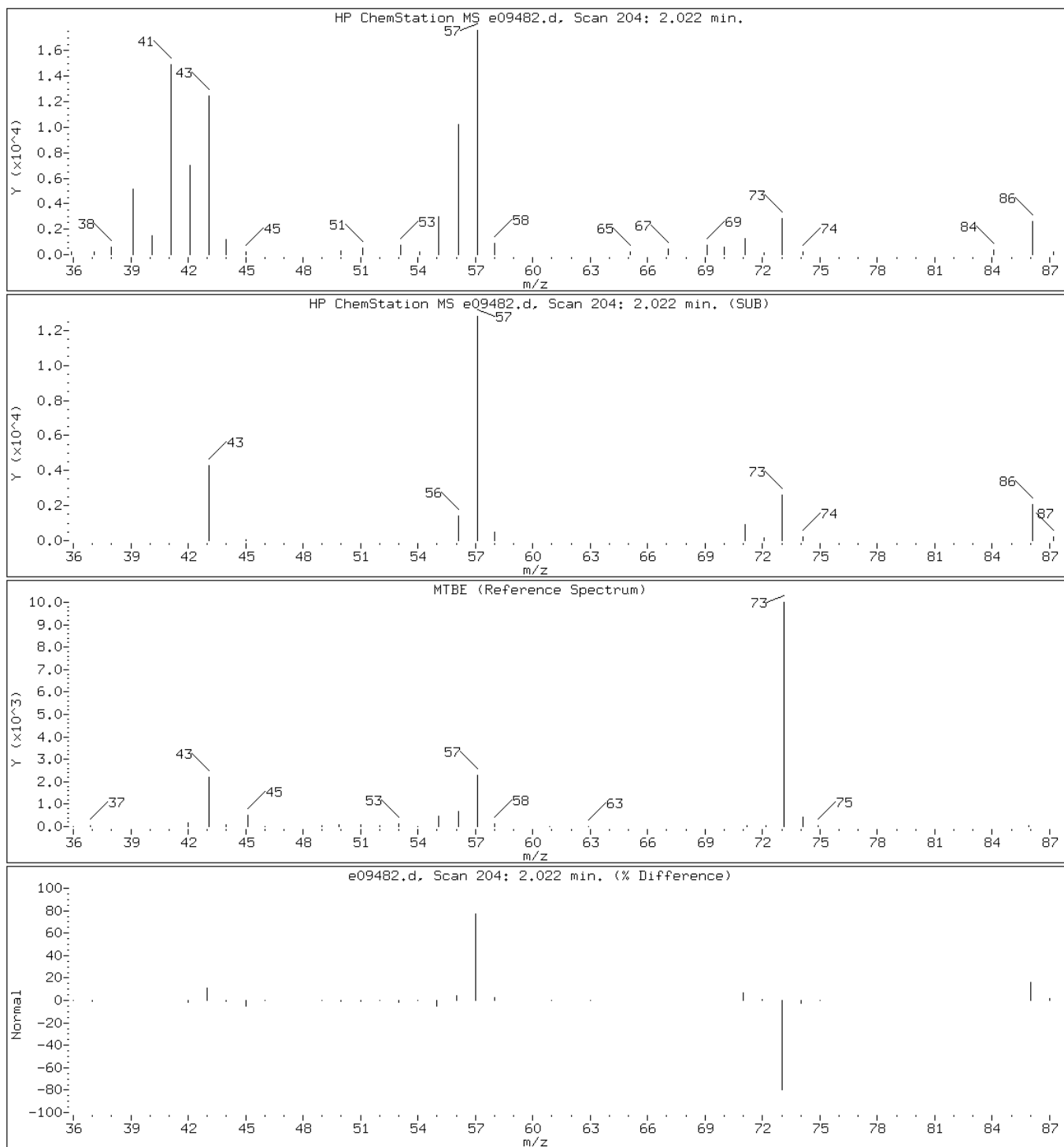
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

28 MTBE



Data File: e09482.d

Date: 31-OCT-2012 15:32

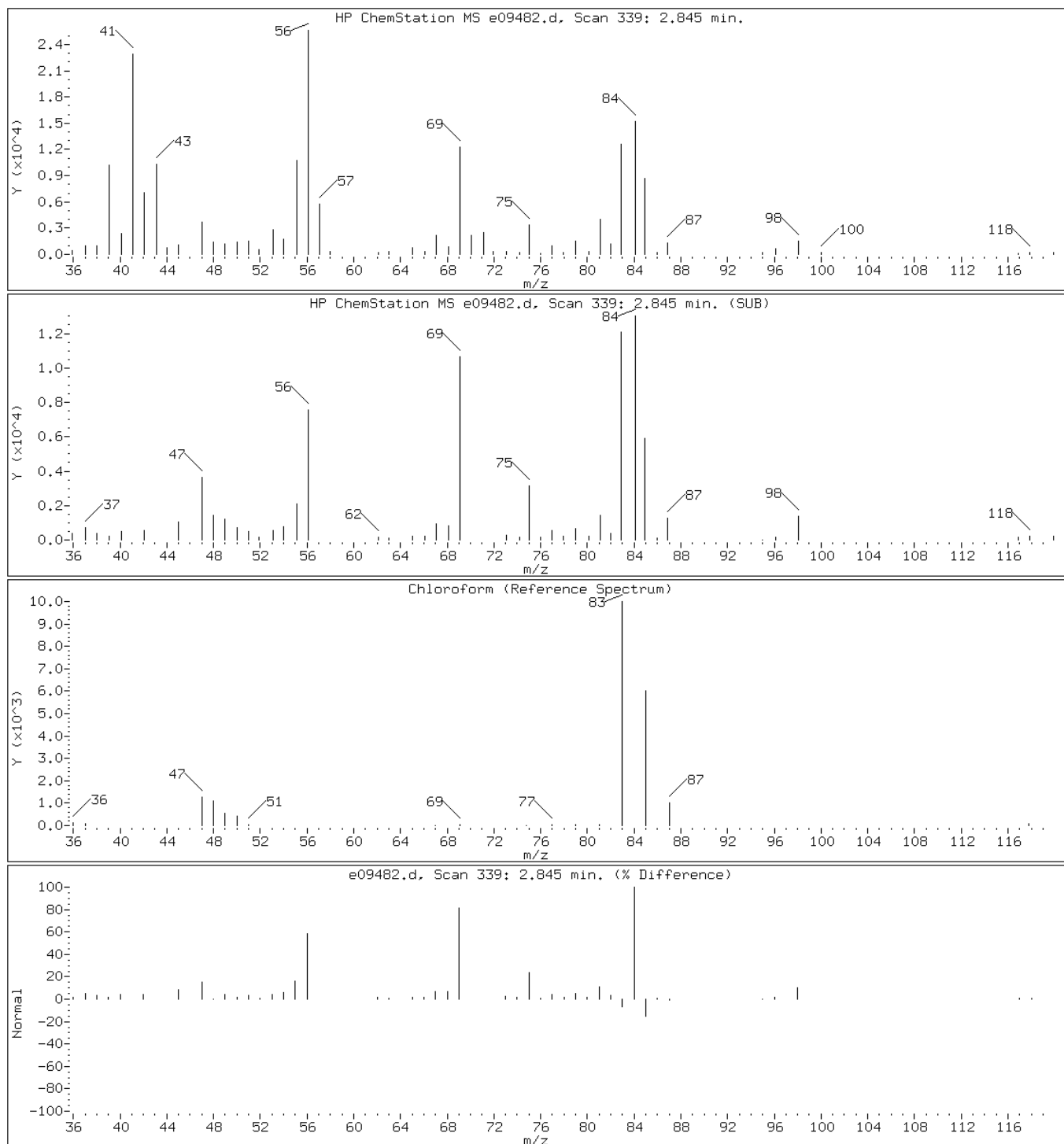
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

42 Chloroform



Data File: e09482.d

Date: 31-OCT-2012 15:32

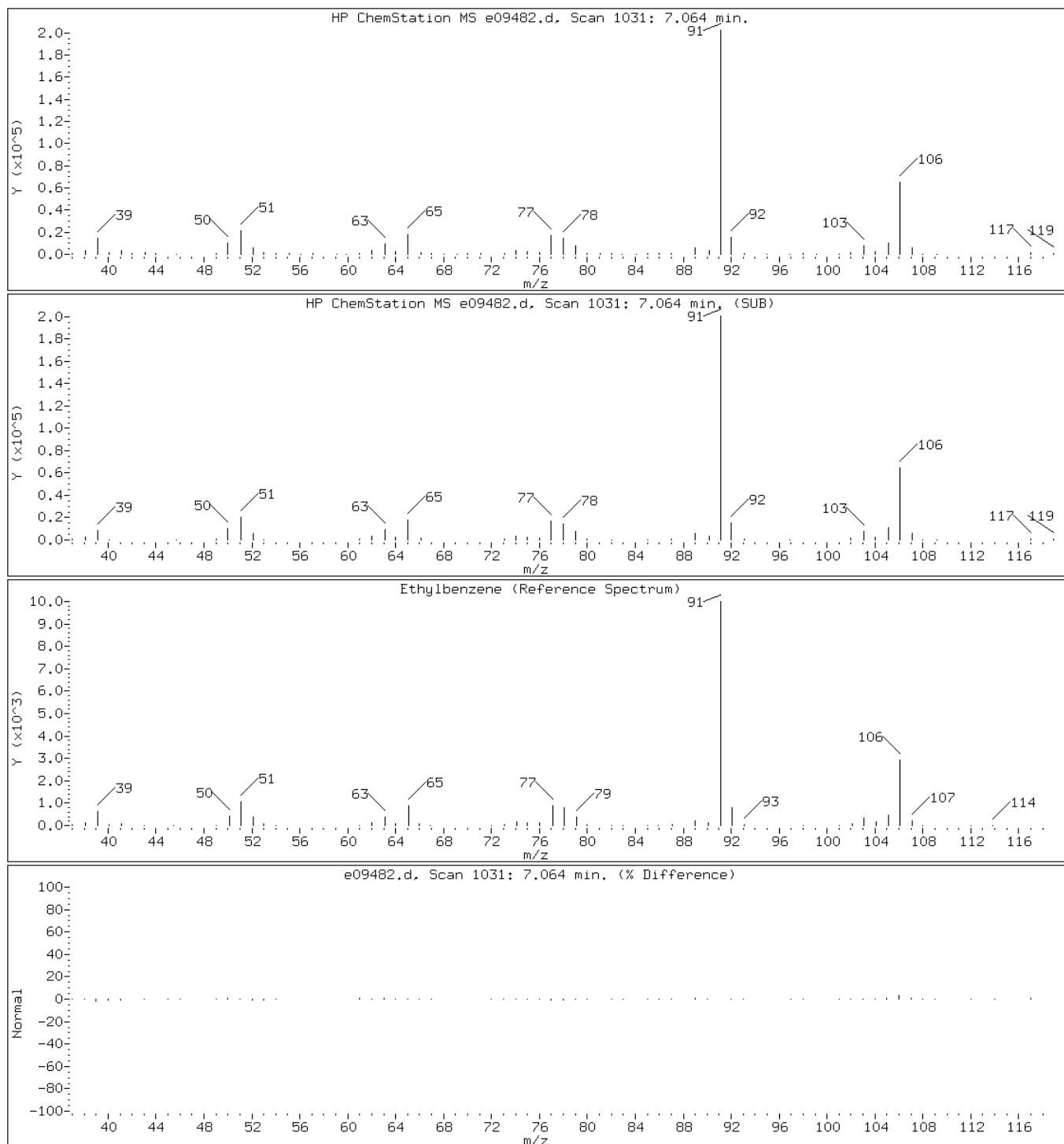
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

81 Ethylbenzene



Data File: e09482.d

Date: 31-OCT-2012 15:32

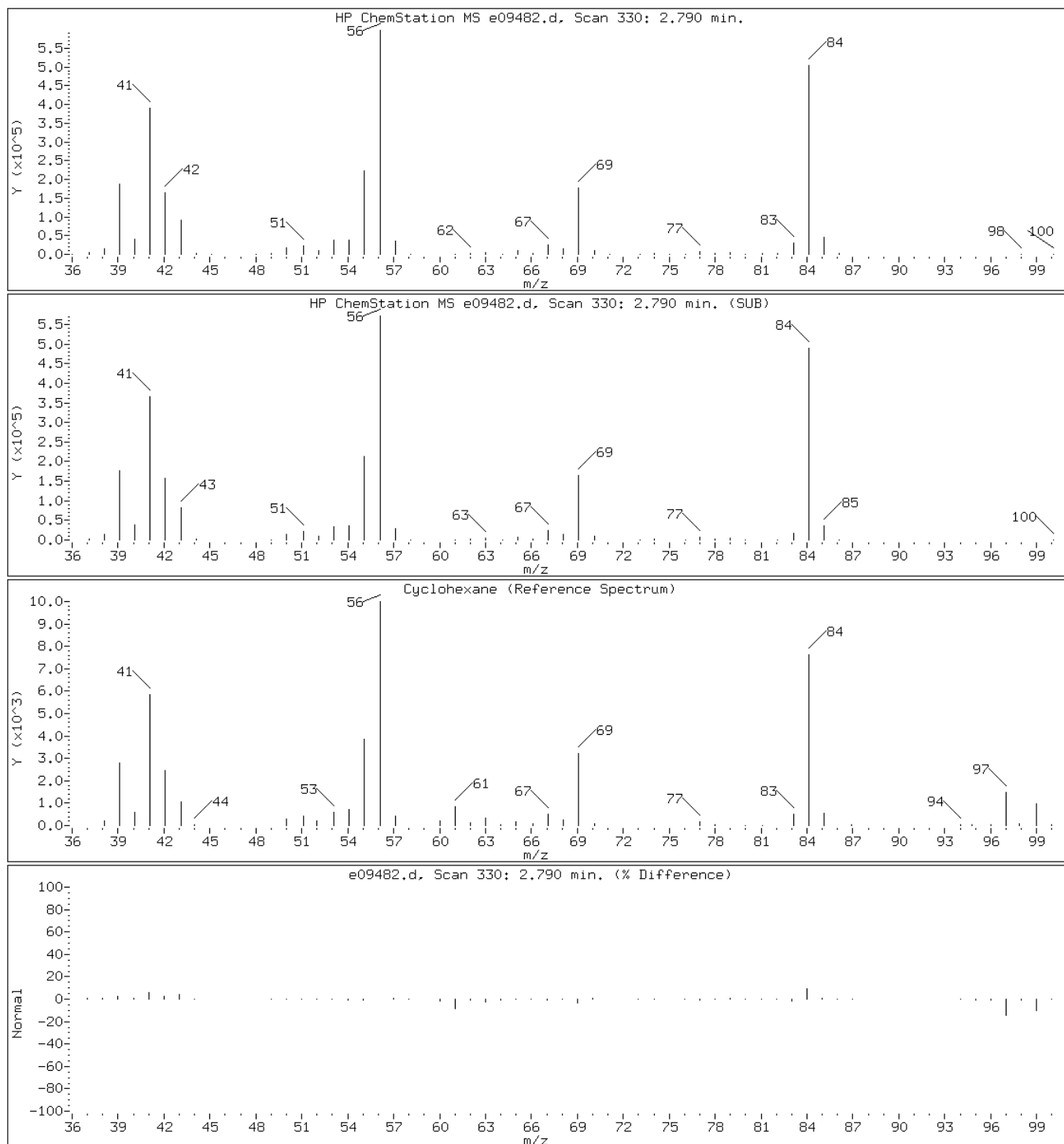
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

44 Cyclohexane



Data File: e09482.d

Date: 31-OCT-2012 15:32

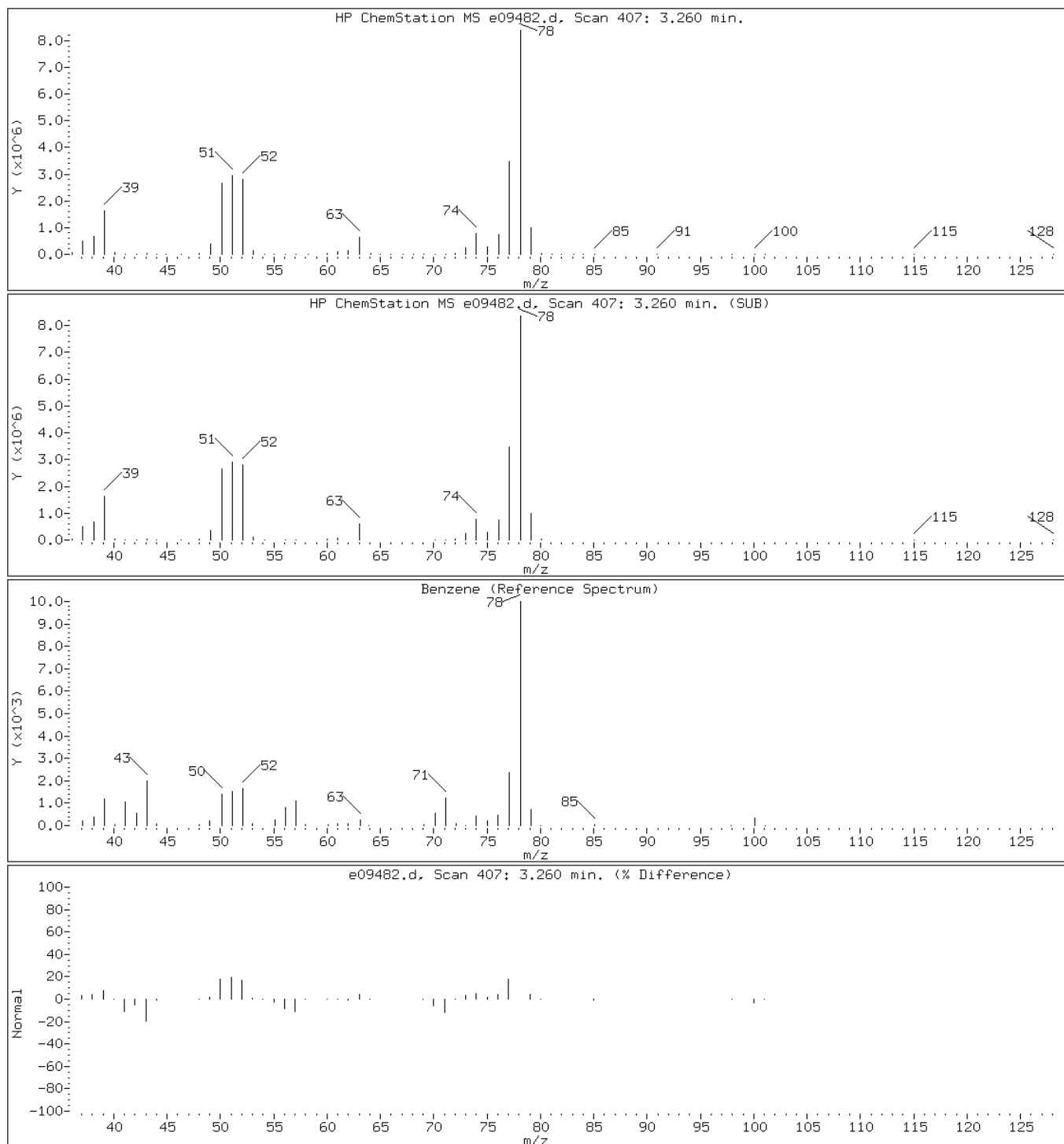
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

48 Benzene



Data File: e09482.d

Date: 31-OCT-2012 15:32

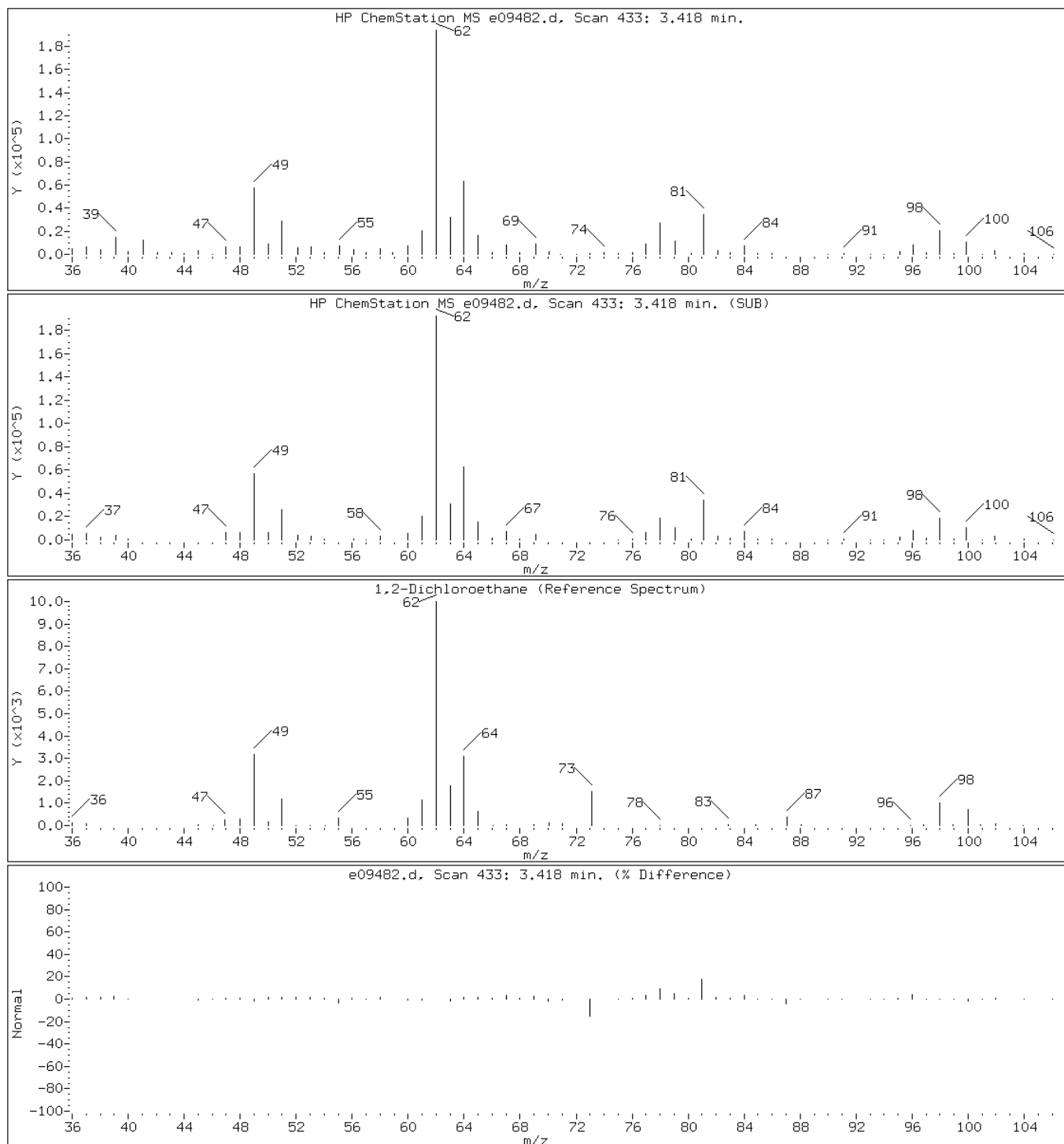
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

49 1,2-Dichloroethane



Data File: e09482.d

Date: 31-OCT-2012 15:32

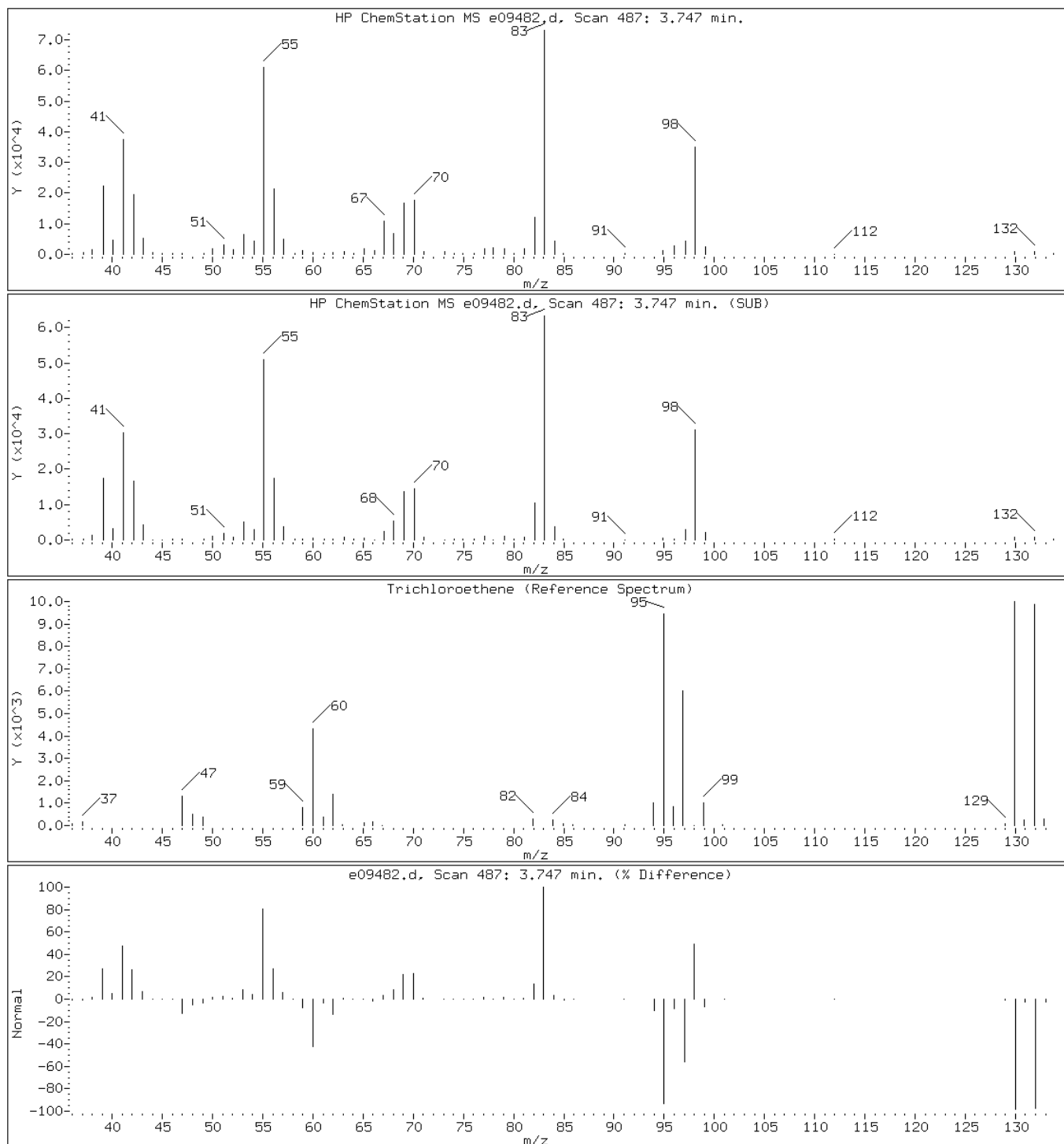
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

54 Trichloroethene



Data File: e09482.d

Date: 31-OCT-2012 15:32

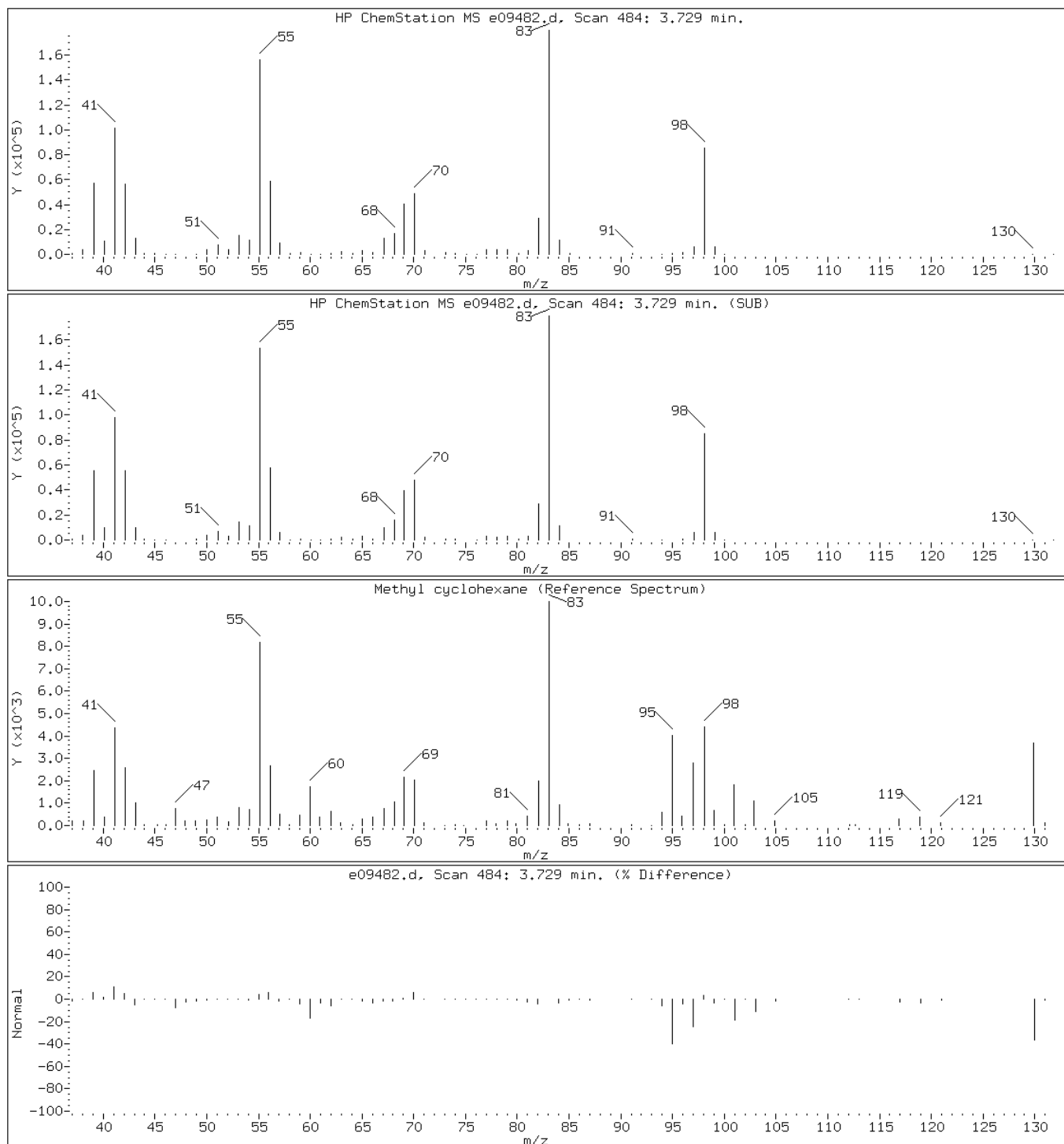
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

56 Methyl cyclohexane



Data File: e09482.d

Date: 31-OCT-2012 15:32

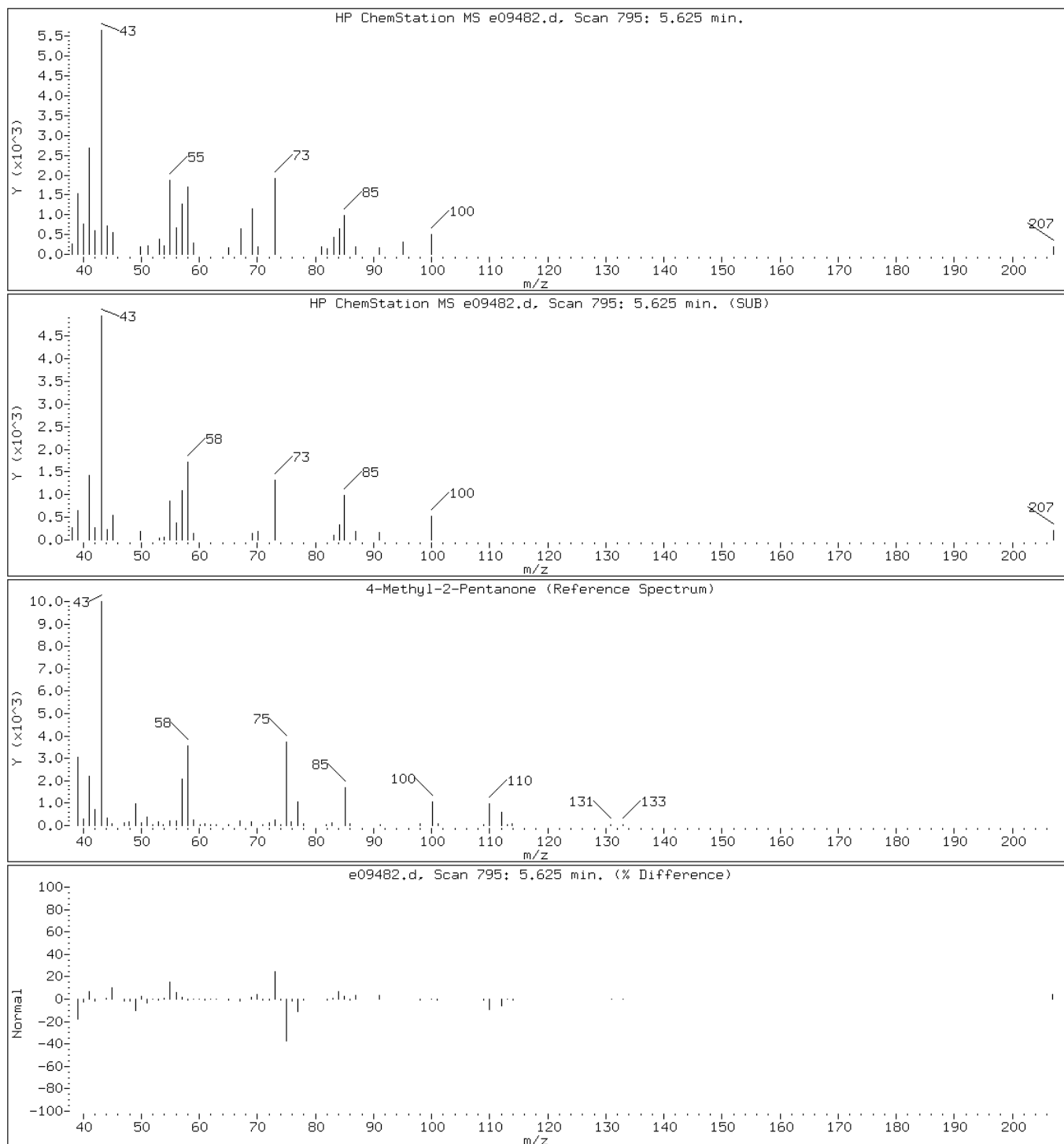
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

70 4-Methyl-2-Pentanone



Data File: e09482.d

Date: 31-OCT-2012 15:32

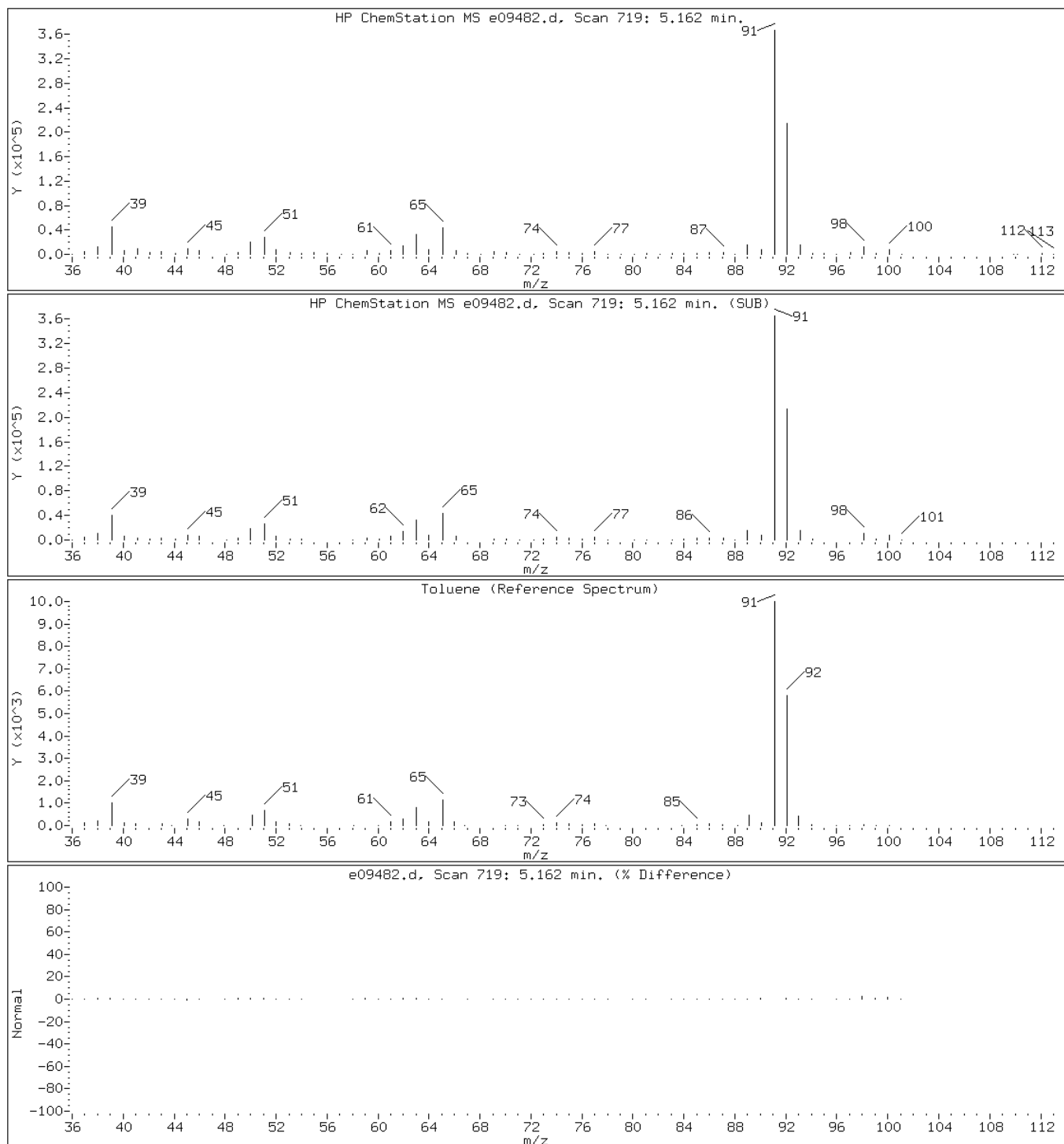
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

66 Toluene



Data File: e09482.d

Date: 31-OCT-2012 15:32

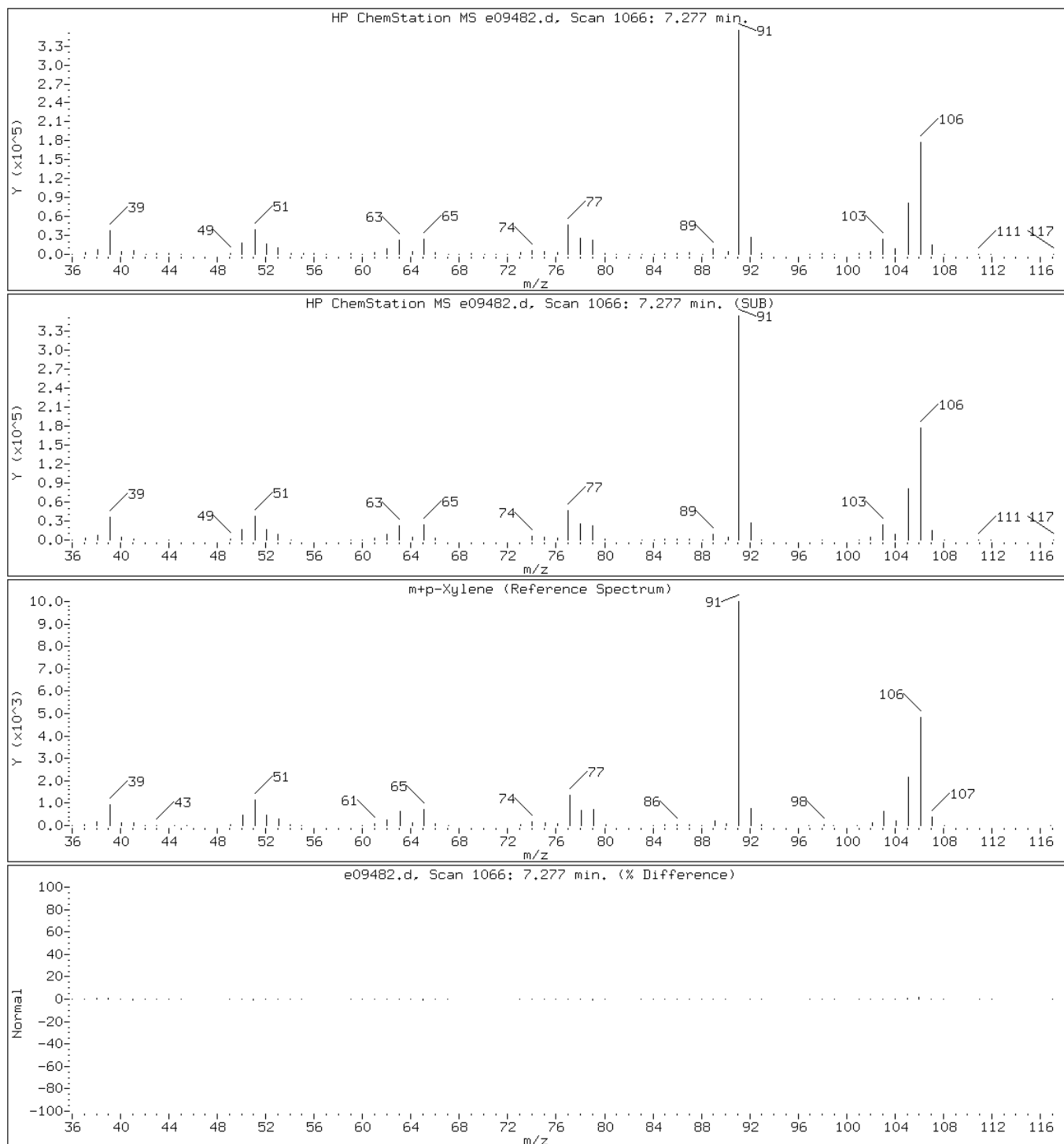
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

82 m+p-Xylene



Data File: e09482.d

Date: 31-OCT-2012 15:32

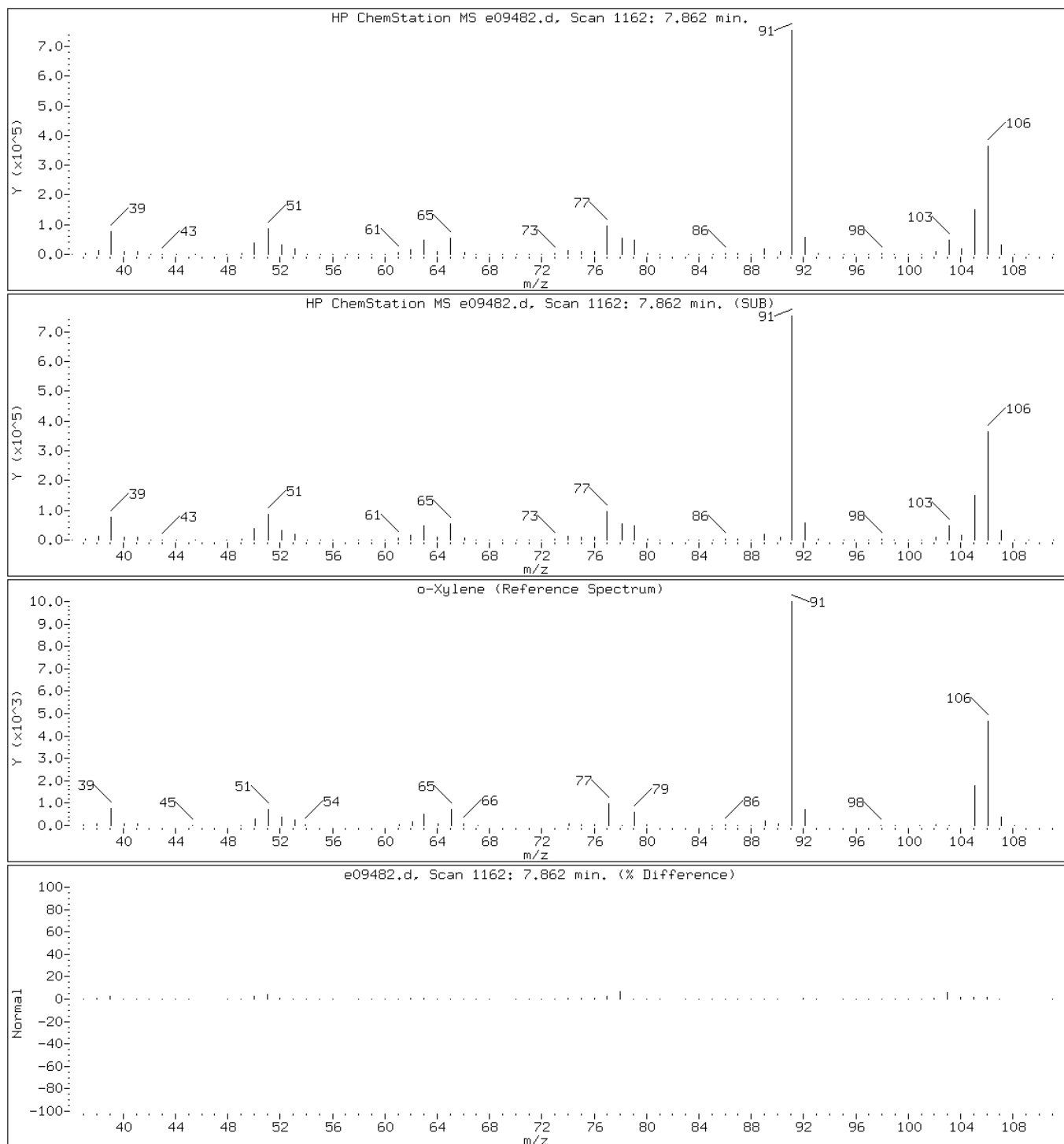
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

84 o-Xylene



Data File: e09482.d

Date: 31-OCT-2012 15:32

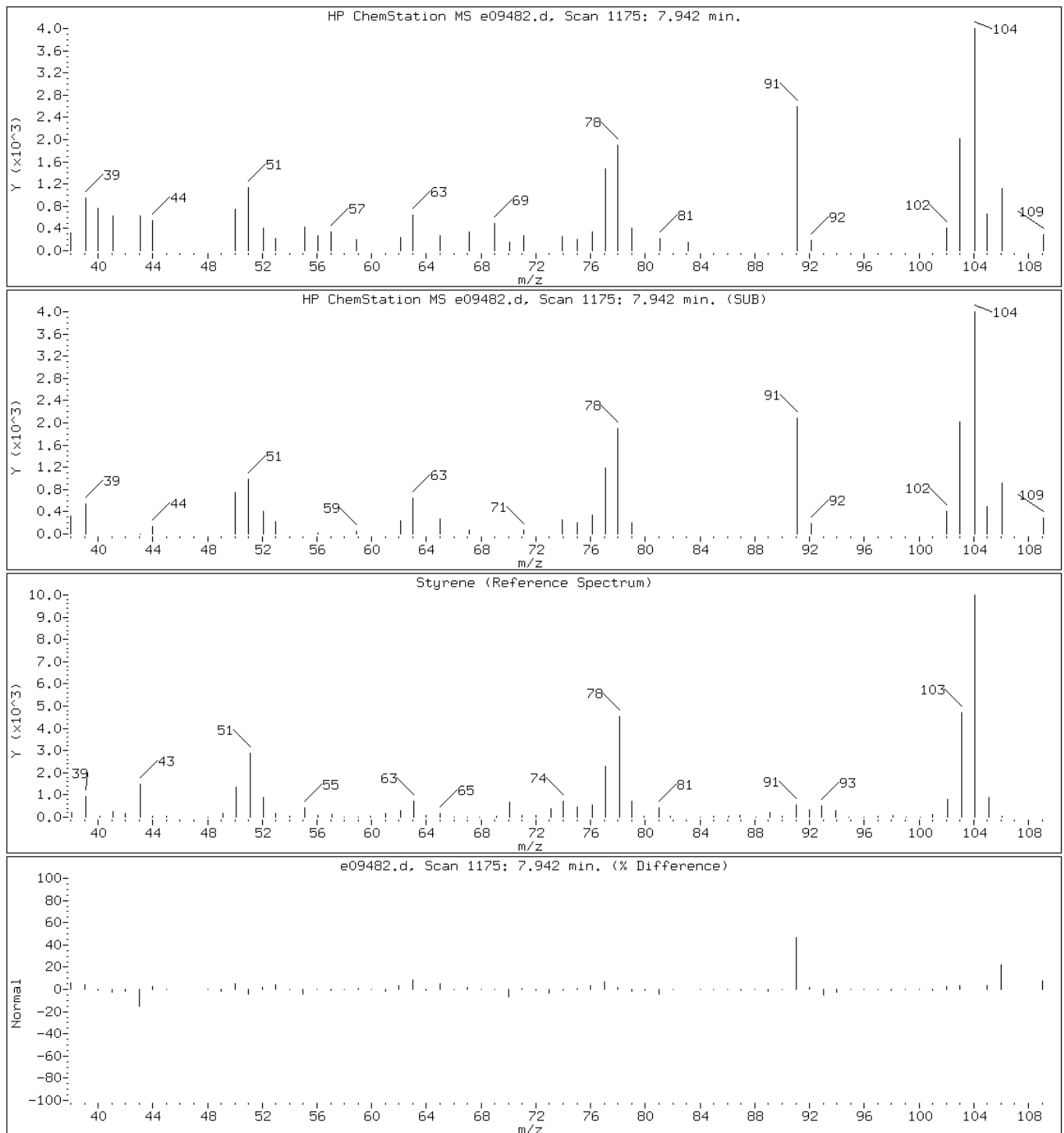
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

85 Styrene



Data File: e09482.d

Date: 31-OCT-2012 15:32

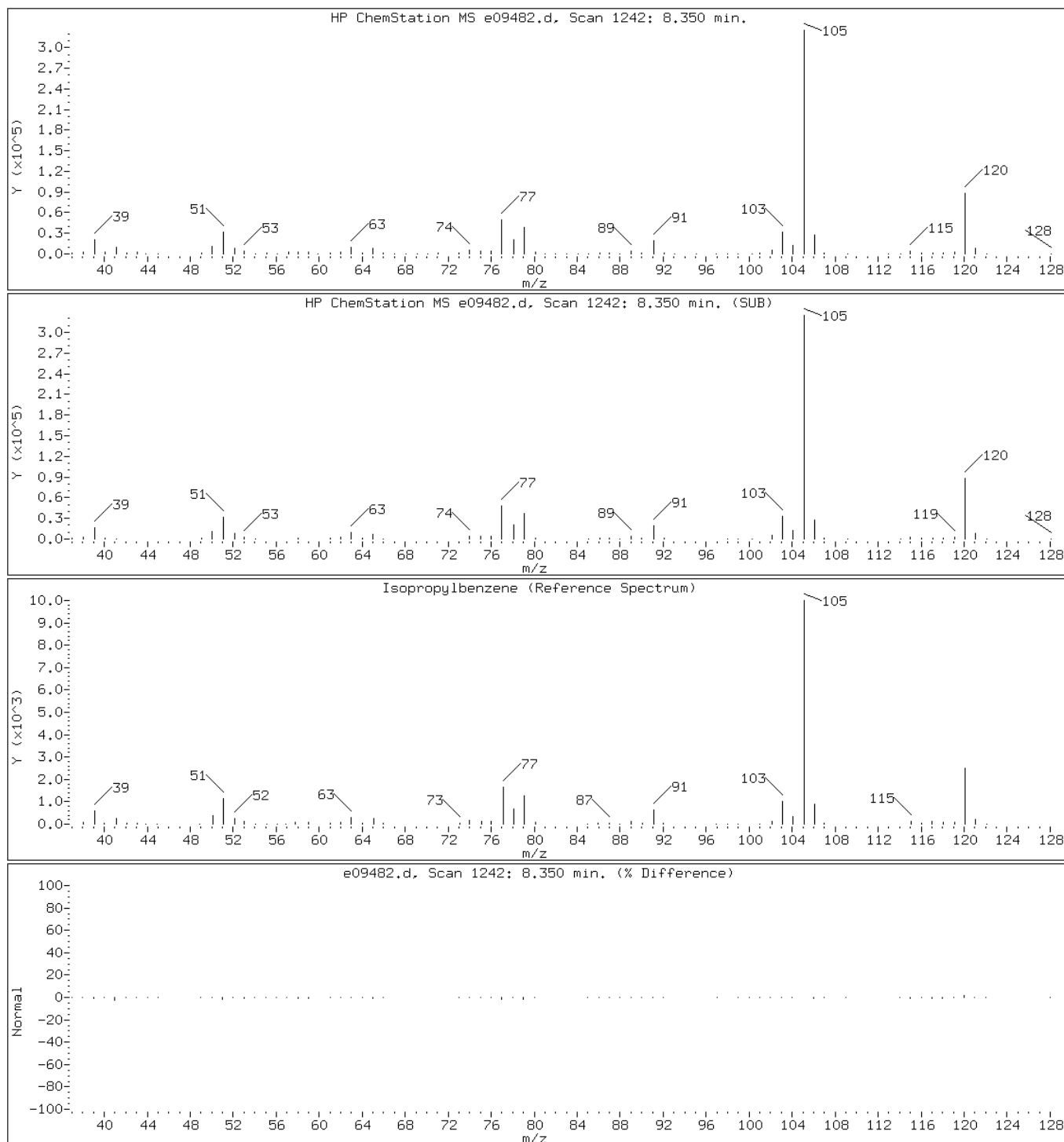
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

88 Isopropylbenzene

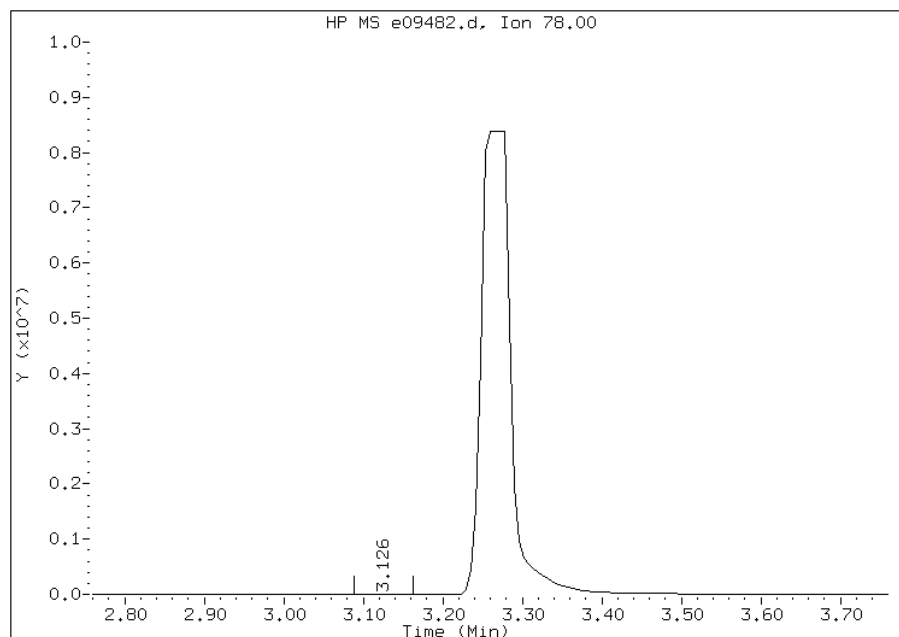


Manual Integration Report

Data File: e09482.d
Inj. Date and Time: 31-OCT-2012 15:32
Instrument ID: VOAMS5.i
Client ID:
Compound: 48 Benzene
CAS #: 71-43-2
Report Date: 11/01/2012

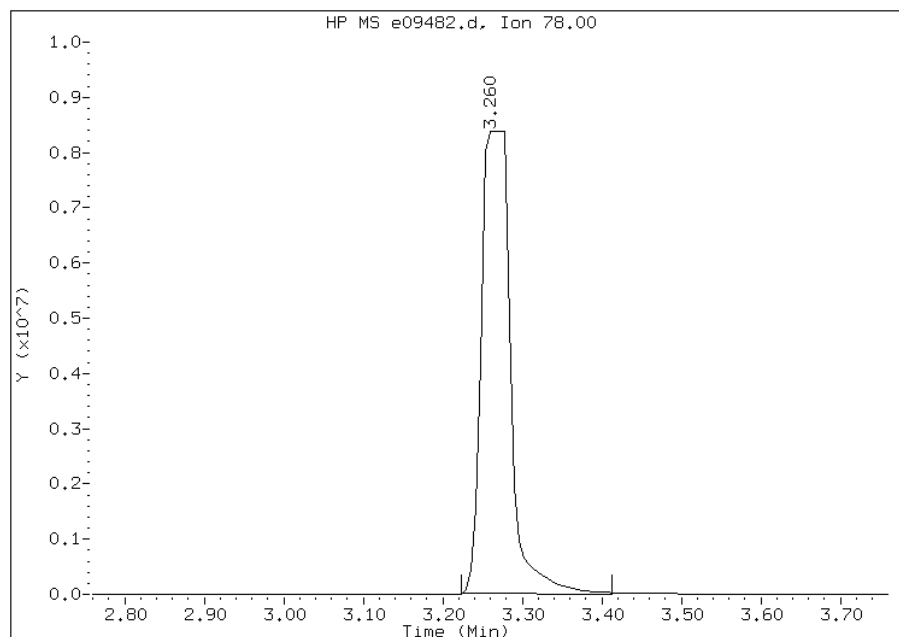
Processing Integration Results

RT: 3.13
Response: 6548
Amount: 0
Conc: 0



Manual Integration Results

RT: 3.26
Response: 21626755
Amount: 694
Conc: 694



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

Data File: e09482.d

Date: 31-OCT-2012 15:32

Client ID:

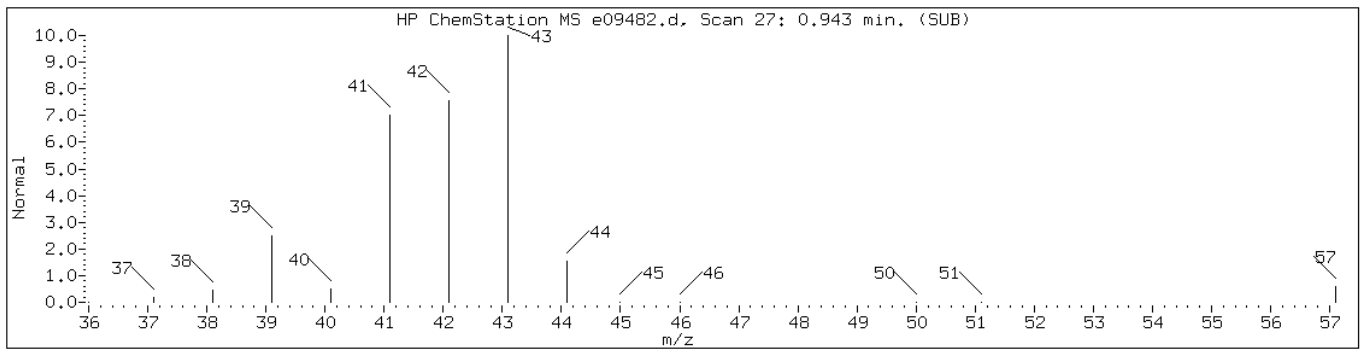
Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

Retention Time: 0.94

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown						



Data File: e09482.d

Date: 31-OCT-2012 15:32

Client ID:

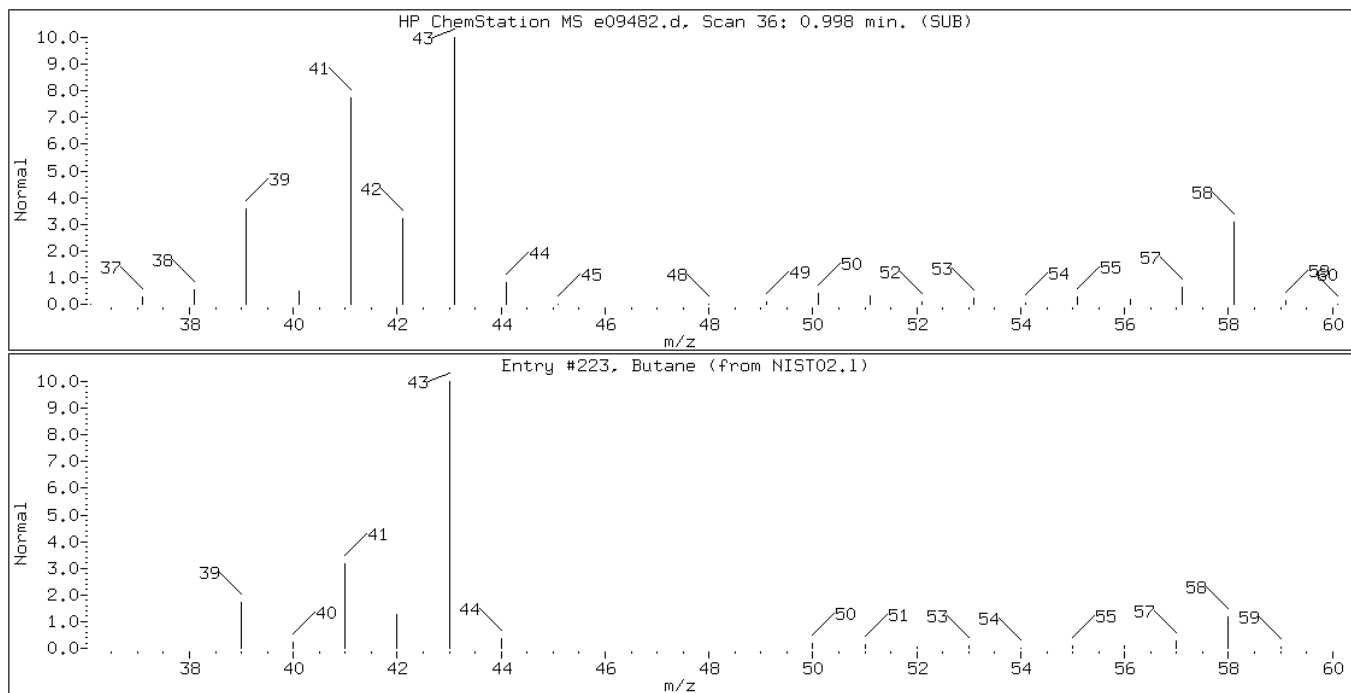
Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

Retention Time: 1.00

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C4H10 Alkane						
Butane	106-97-8	NIST02.1	223	53	C4H10	58



Data File: e09482.d

Date: 31-OCT-2012 15:32

Client ID:

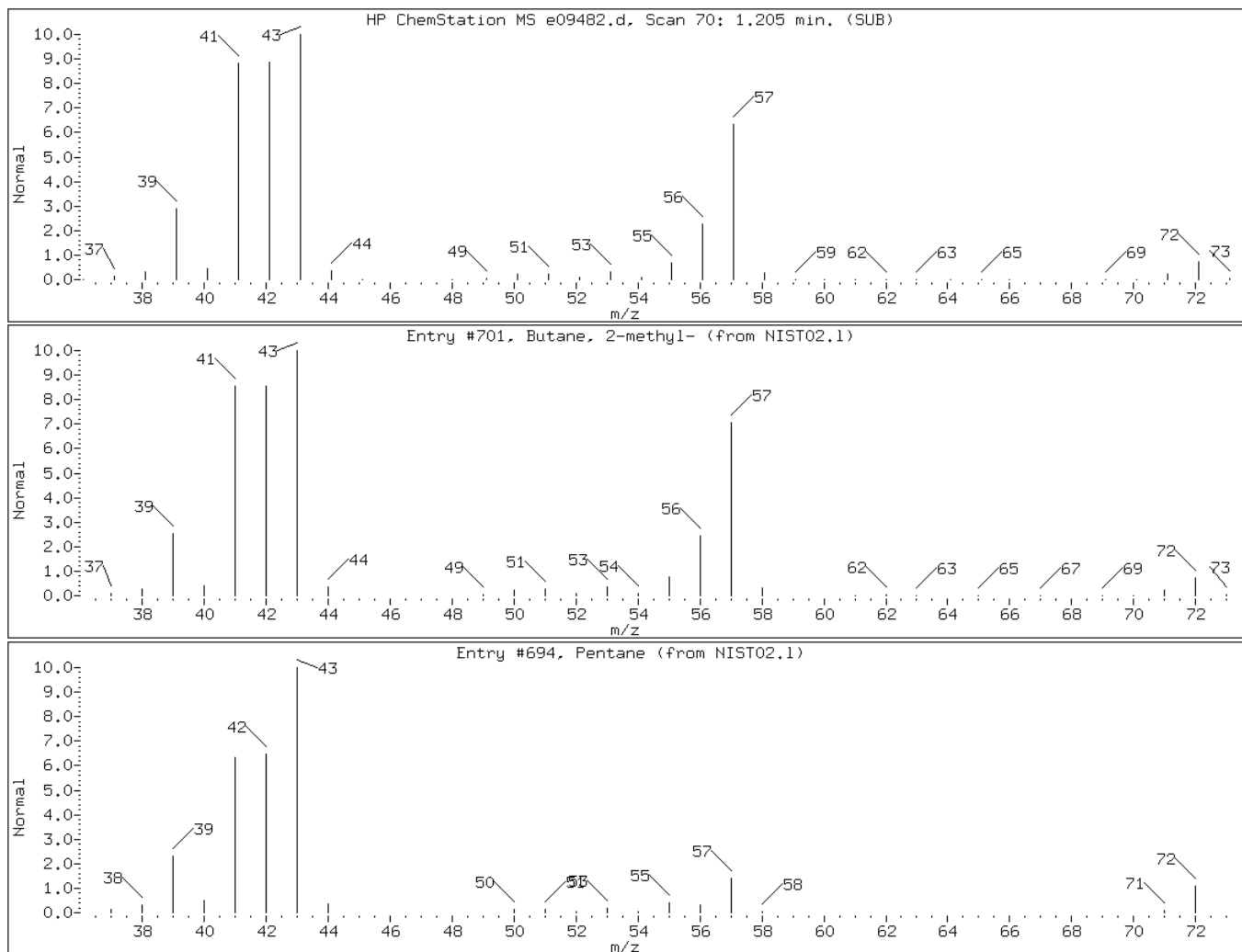
Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

Retention Time: 1.21

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H12 Alkane						
Butane, 2-methyl-	78-78-4	NIST02.1	701	91	C5H12	72
Pentane	109-66-0	NIST02.1	694	56	C5H12	72



Data File: e09482.d

Date: 31-OCT-2012 15:32

Client ID:

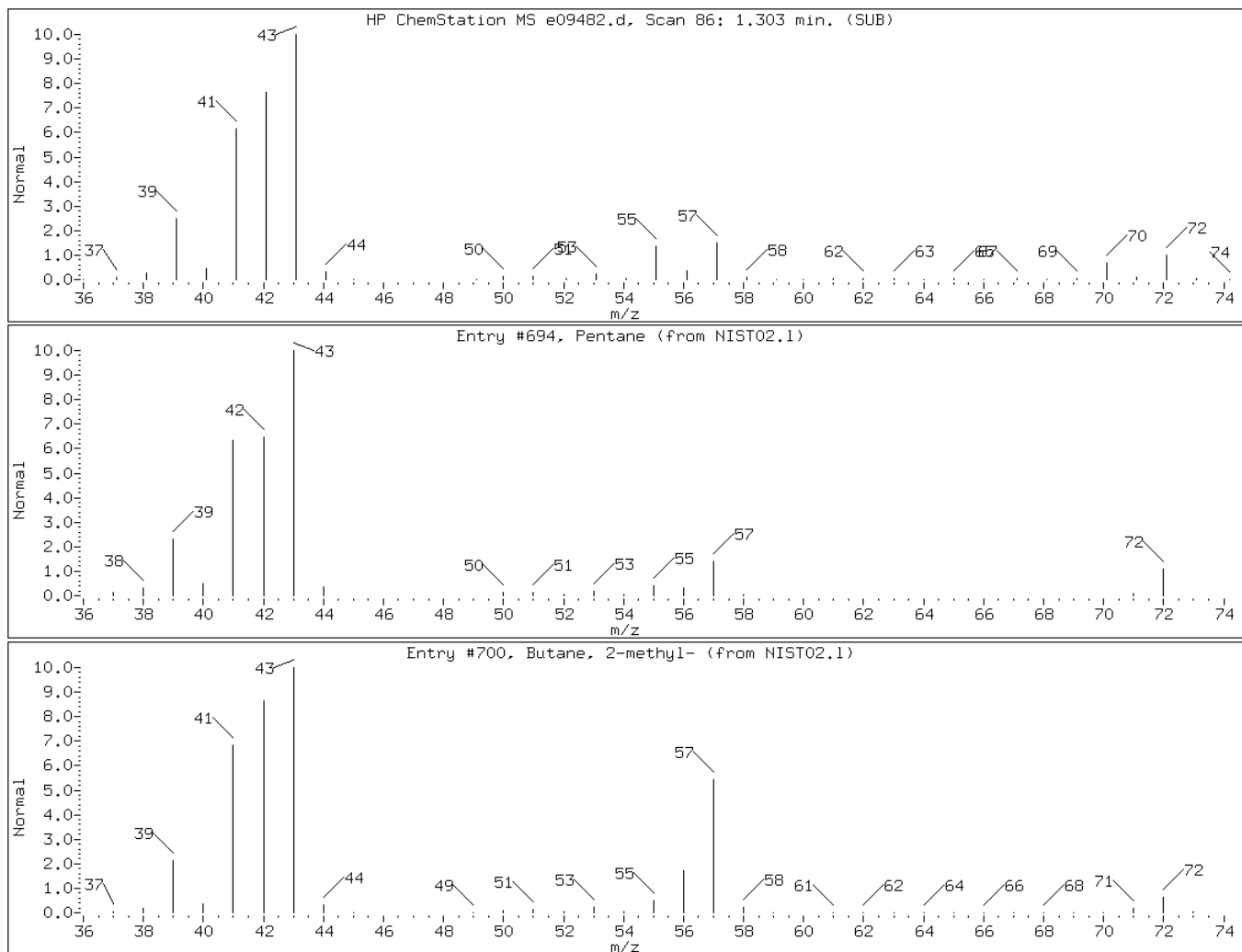
Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

Retention Time: 1.30

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H12 Alkane-1						
Pentane	109-66-0	NIST02.1	694	87	C5H12	72
Butane, 2-methyl-	78-78-4	NIST02.1	700	72	C5H12	72



Data File: e09482.d

Date: 31-OCT-2012 15:32

Client ID:

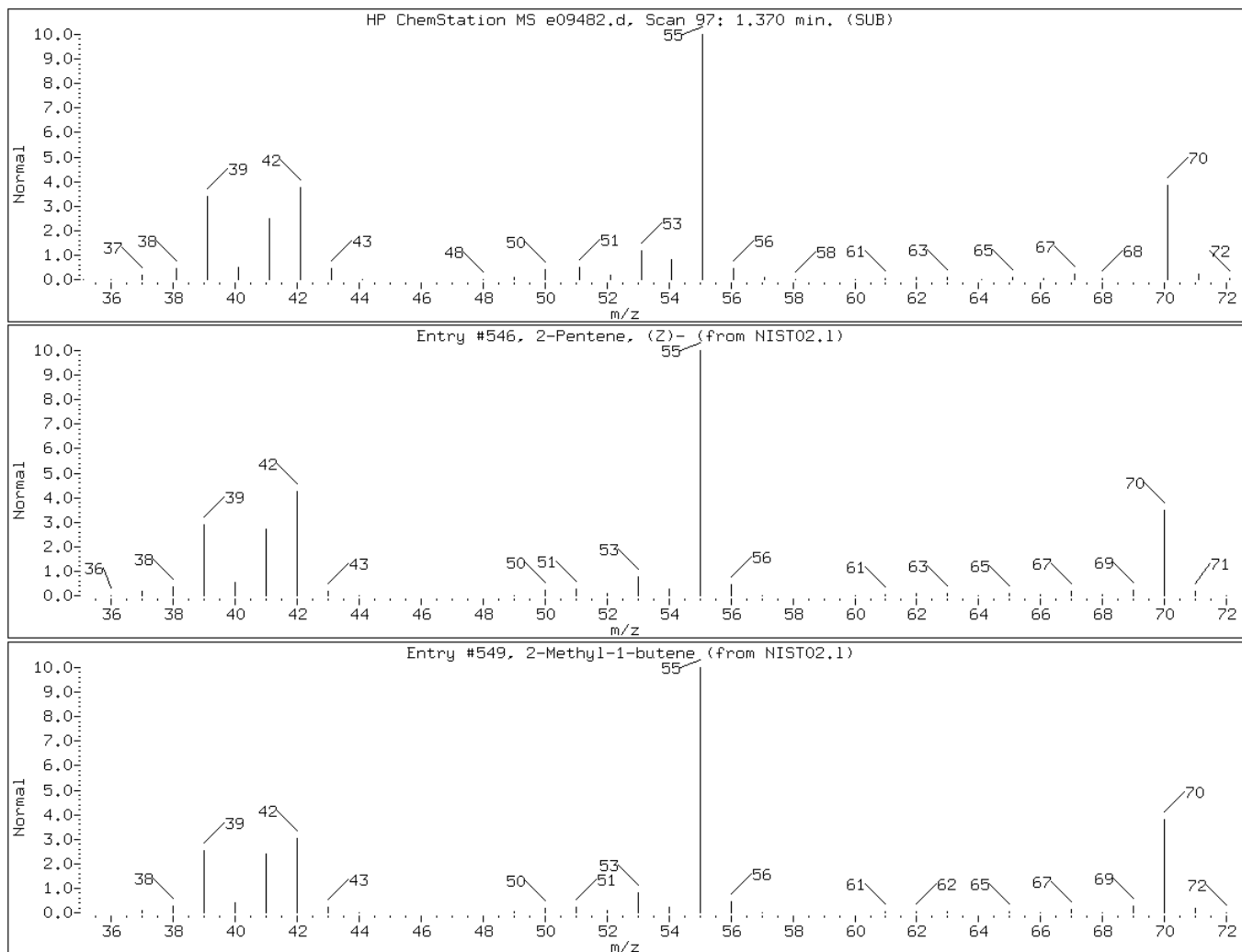
Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

Retention Time: 1.37

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H10 Alkene						
2-Pentene, (Z)-	627-20-3	NIST02.1	546	90	C5H10	70
2-Methyl-1-butene	563-46-2	NIST02.1	549	87	C5H10	70



Data File: e09482.d

Date: 31-OCT-2012 15:32

Client ID:

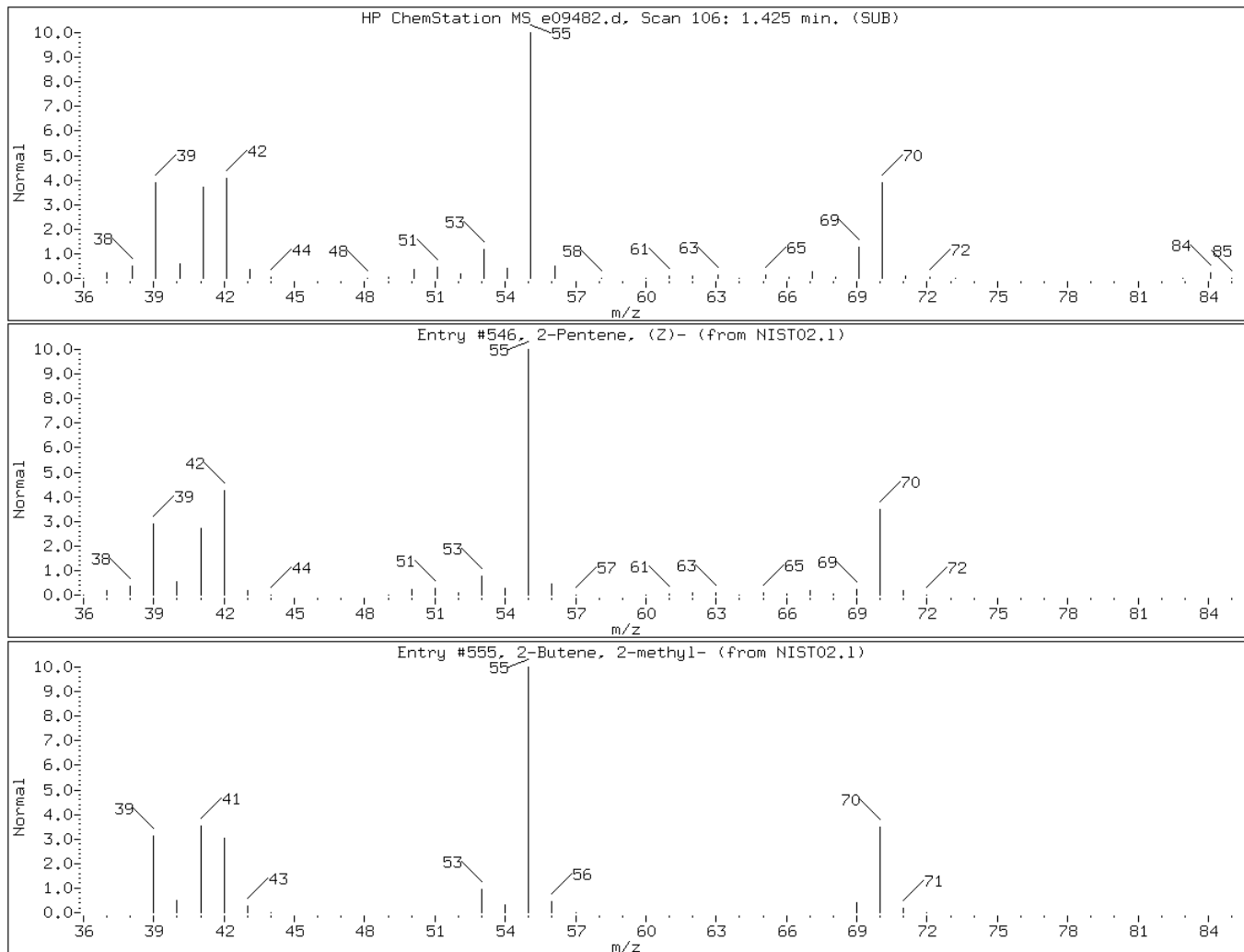
Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

Retention Time: 1.42

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H10 Alkene						
2-Pentene, (Z)-	627-20-3	NIST02.1	546	90	C5H10	70
2-Butene, 2-methyl-	513-35-9	NIST02.1	555	90	C5H10	70



Data File: e09482.d

Date: 31-OCT-2012 15:32

Client ID:

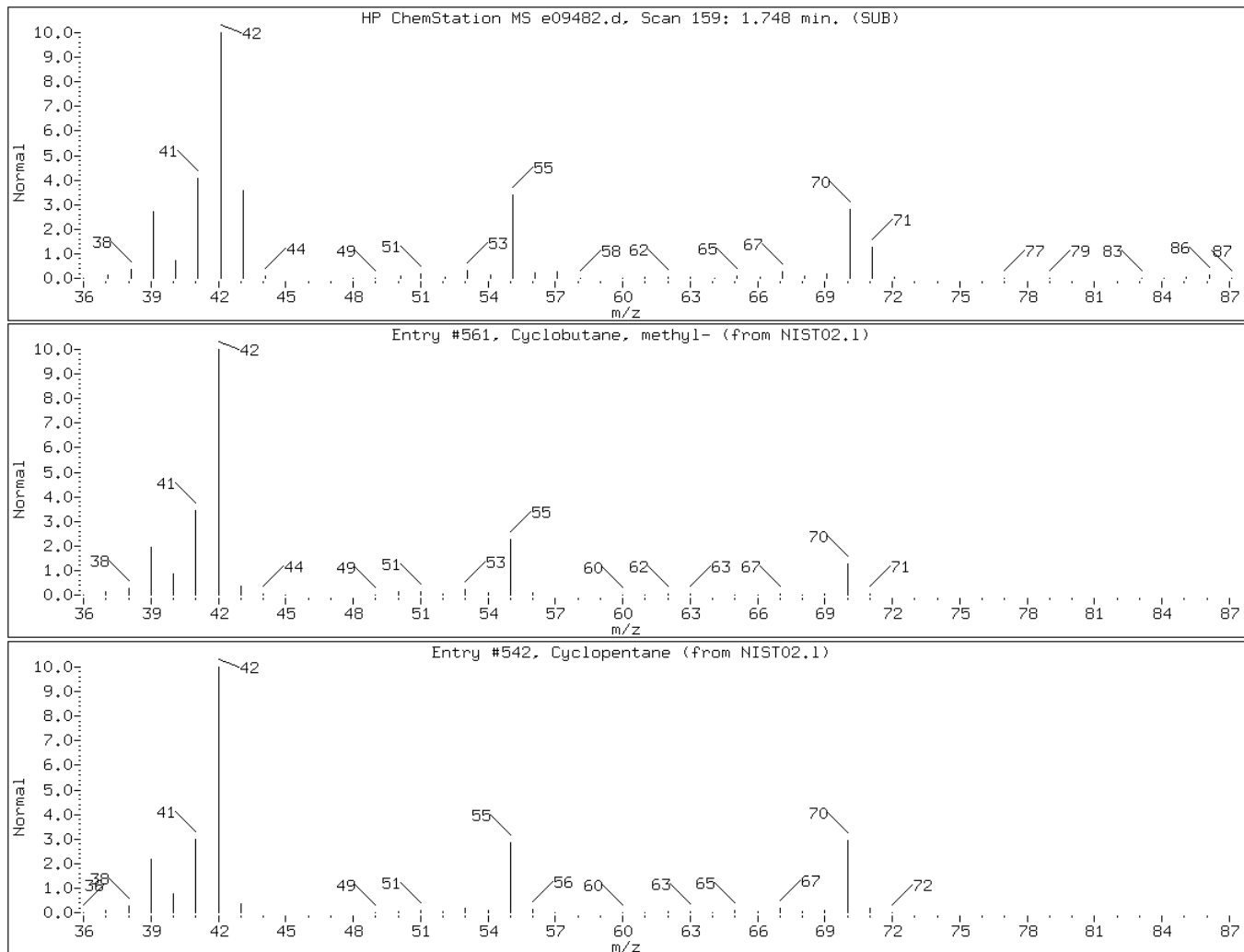
Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

Retention Time: 1.75

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H10 Cycloalkane						
Cyclobutane, methyl-	598-61-8	NIST02.1	561	86	C5H10	70
Cyclopentane	287-92-3	NIST02.1	542	80	C5H10	70



Data File: e09482.d

Date: 31-OCT-2012 15:32

Client ID:

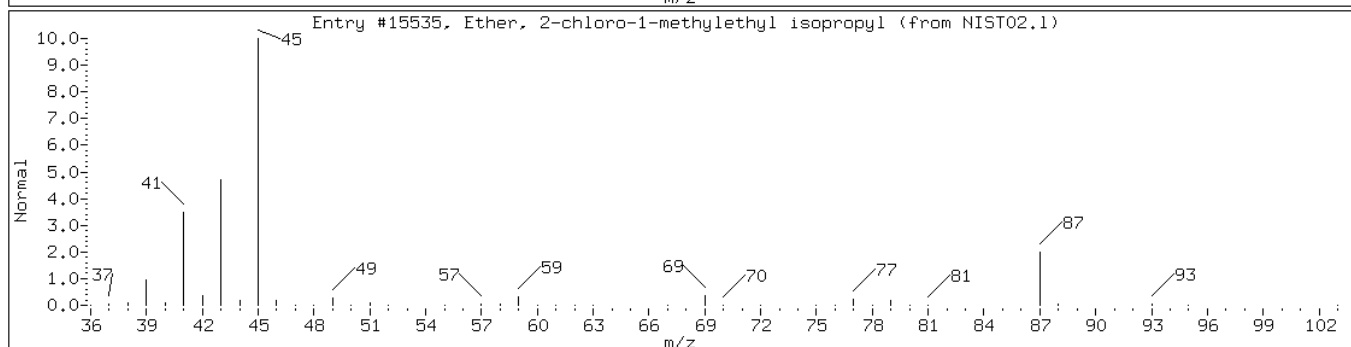
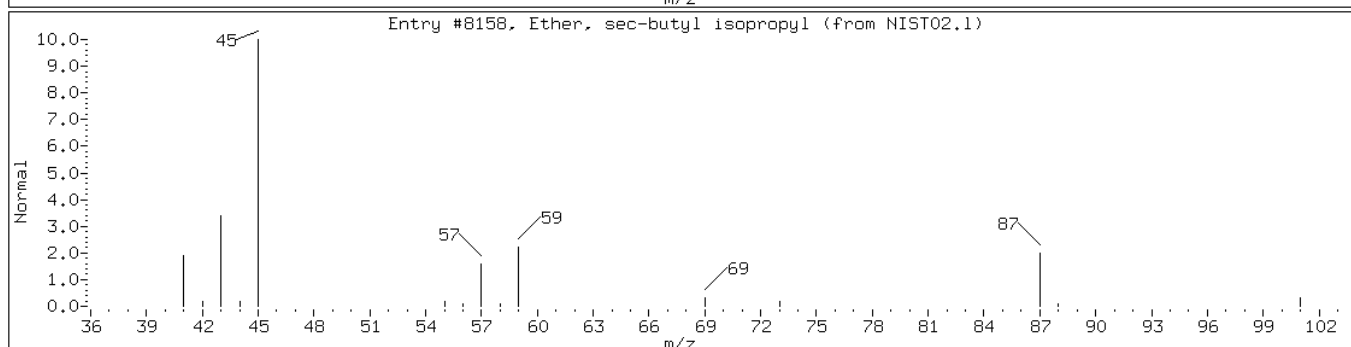
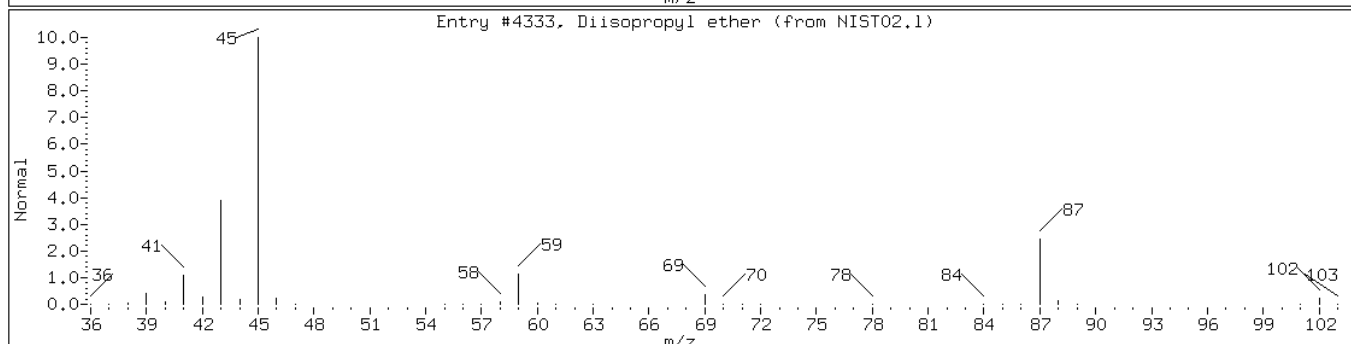
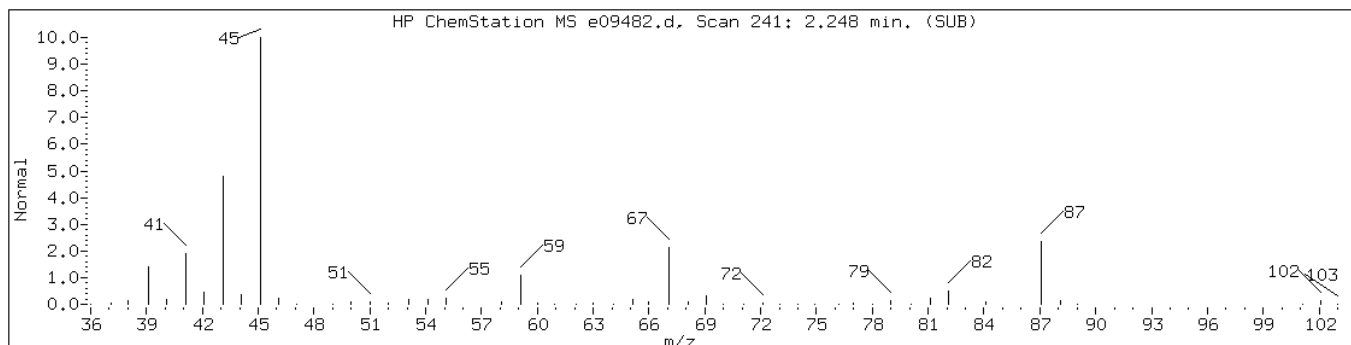
Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

Retention Time: 2.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Diisopropyl ether	108-20-3	NIST02.1	4333	64	C6H14O	102
Ether, sec-butyl isopropyl	18641-81-1	NIST02.1	8158	45	C7H16O	116
Ether, 2-chloro-1-methylethyl isop	98277-76-0	NIST02.1	15535	42	C6H13ClO	136



Data File: e09482.d

Date: 31-OCT-2012 15:32

Client ID:

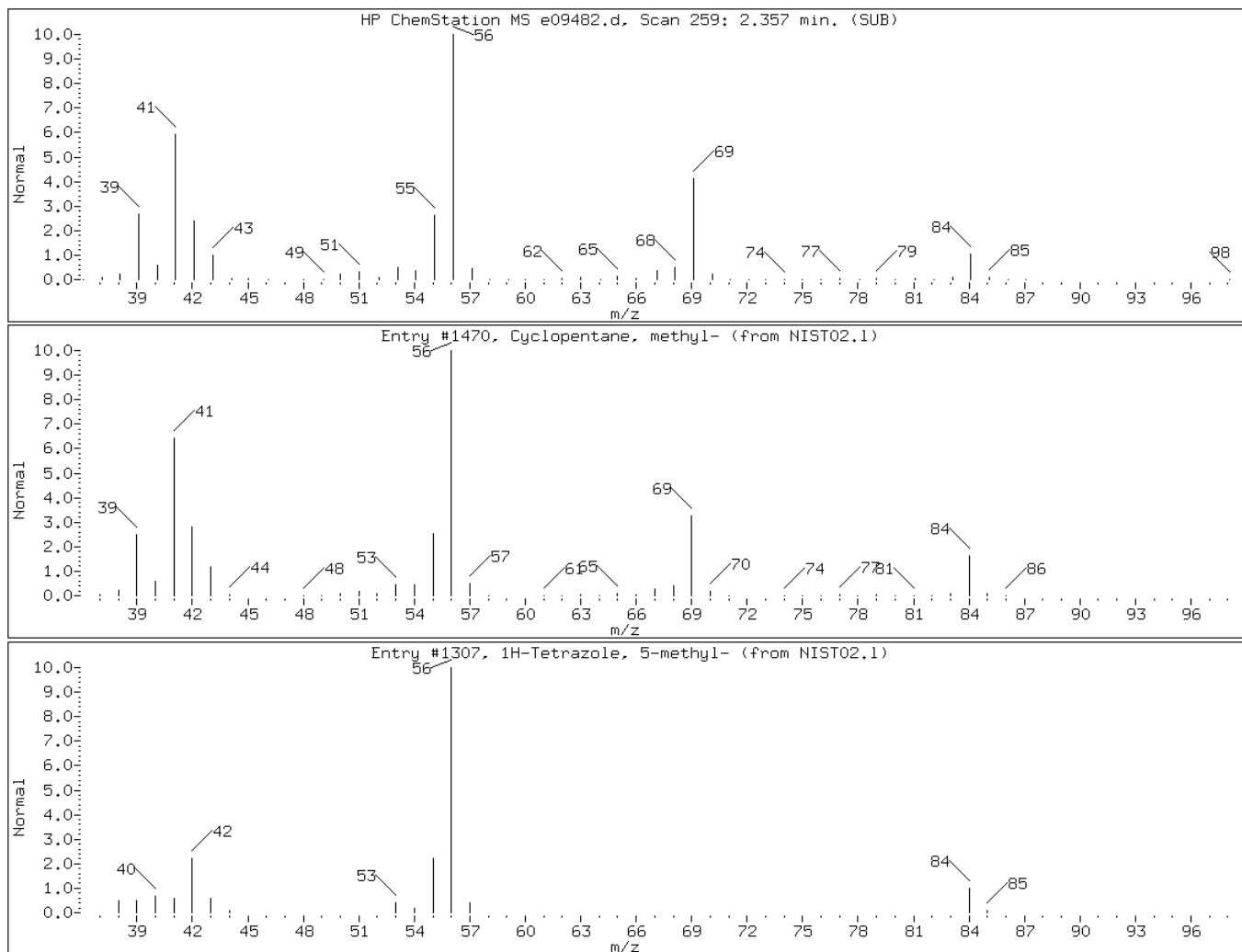
Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

Retention Time: 2.36

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C6H12 Cycloalkane						
Cyclopentane, methyl-	96-37-7	NIST02.1	1470	91	C6H12	84
1H-Tetrazole, 5-methyl-	4076-36-2	NIST02.1	1307	80	C2H4N4	84



Data File: e09482.d

Date: 31-OCT-2012 15:32

Client ID:

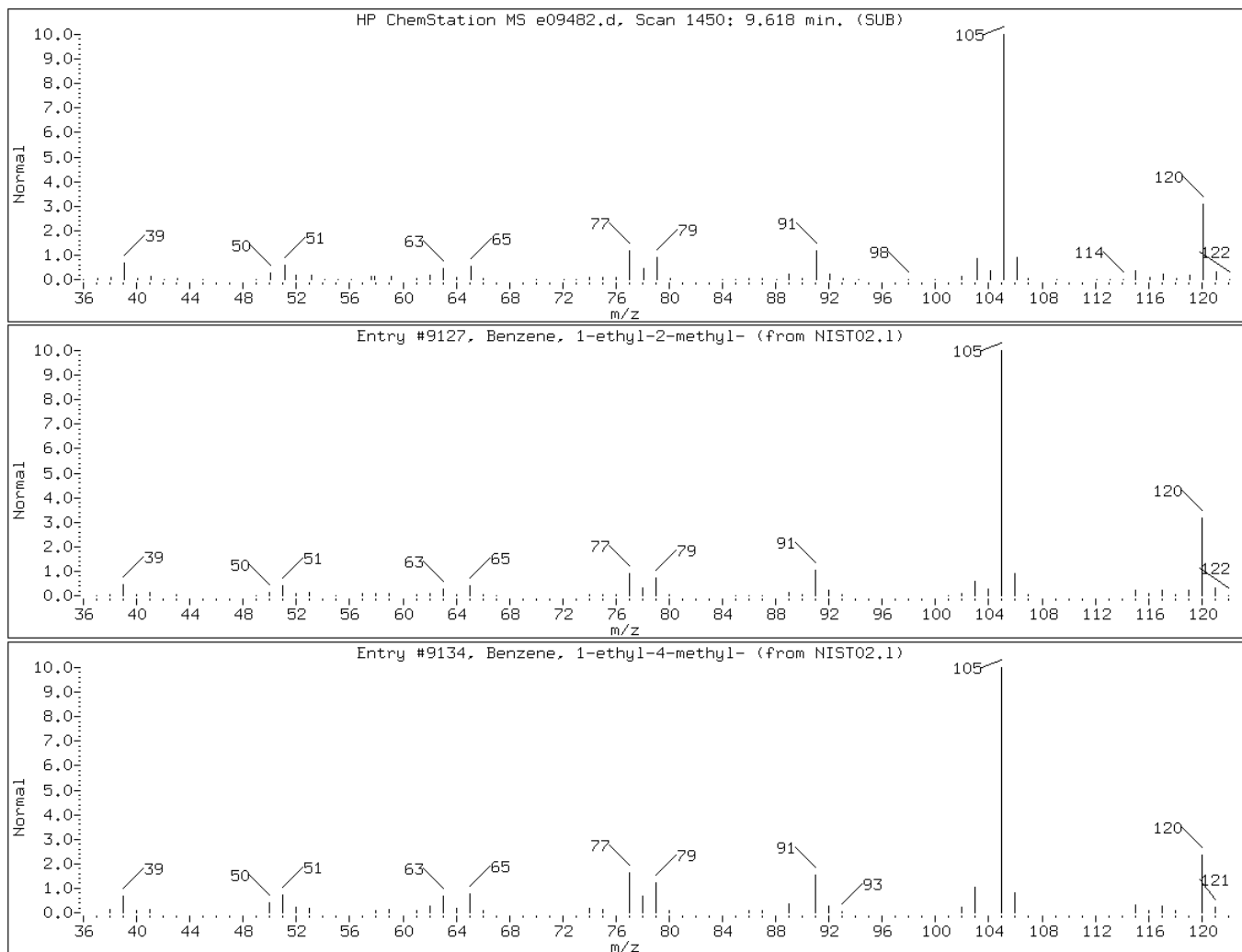
Instrument: VOAMS5.i

Sample Info: 460-46388-A-3

Operator: GC/MS VOAMS5

Retention Time: 9.62

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H12 Aromatic						
Benzene, 1-ethyl-2-methyl-	611-14-3	NIST02.1	9127	94	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NIST02.1	9134	93	C9H12	120



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: WG-17338-102312-MW36D-MM- Lab Sample ID: 460-46388-3 DL
Matrix: Water Lab File ID: e09501.d
Analysis Method: 8260B Date Collected: 10/23/2012 13:00
Sample wt/vol: 5(mL) Date Analyzed: 11/01/2012 02:12
Soil Aliquot Vol: _____ Dilution Factor: 2
Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 134044 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	830	D	2.0	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93	D	70-130
460-00-4	4-Bromofluorobenzene	103	D	70-130
2037-26-5	Toluene-d8 (Surr)	100	D	70-130

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09501.d
 Report Date: 01-Nov-2012 10:20

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09501.d
 Lab Smp Id: 460-46388-B-3
 Inj Date : 01-NOV-2012 02:12
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : 460-46388-B-3;2
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/8260DE_09.m
 Meth Date : 01-Nov-2012 05:10 audberto Quant Type: ISTD
 Cal Date : 31-OCT-2012 20:54 Cal File: e09491.d
 Als bottle: 11
 Dil Factor: 2.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	2.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
							(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====		=====	=====
42 Chloroform	83	2.845	2.839 (0.791)		9958		0.80401	1.6(a)
44 Cyclohexane	56	2.784	2.778 (0.774)		360620		32.5356	65
48 Benzene	78	3.266	3.260 (0.470)		11386477		417.343	830
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363 (0.936)		368927		46.6273	47
49 1,2-Dichloroethane	62	3.418	3.412 (0.951)		138152		13.6847	27
* 52 Fluorobenzene	96	3.595	3.595 (1.000)		854871		50.0000	
56 Methyl cyclohexane	83	3.729	3.729 (1.037)		113357		11.8235	24
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107 (0.734)		1213038		50.0060	50
66 Toluene	91	5.162	5.162 (0.742)		250765		7.67811	15
* 78 Chlorobenzene-d5	117	6.954	6.954 (1.000)		1176696		50.0000	
81 Ethylbenzene	106	7.064	7.064 (1.016)		38423		3.30148	6.6
82 m+p-Xylene	106	7.271	7.277 (1.046)		105111		7.00784	14
84 o-Xylene	106	7.862	7.862 (1.131)		270101		18.2664	36
88 Isopropylbenzene	105	8.350	8.344 (1.201)		247650		6.74195	13
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710 (0.832)		603897		51.2560	51
* 108 1,4-Dichlorobenzene-d4	152	10.465	10.466 (1.000)		826721		50.0000	

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09501.d
Report Date: 01-Nov-2012 10:20

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
=====	=====	==	=====	=====	=====	(ug/L)	(ug/L)
M 121 Xylene (Total)	100				375212	25.2743	50

QC Flag Legend

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

Data File: e09501.d

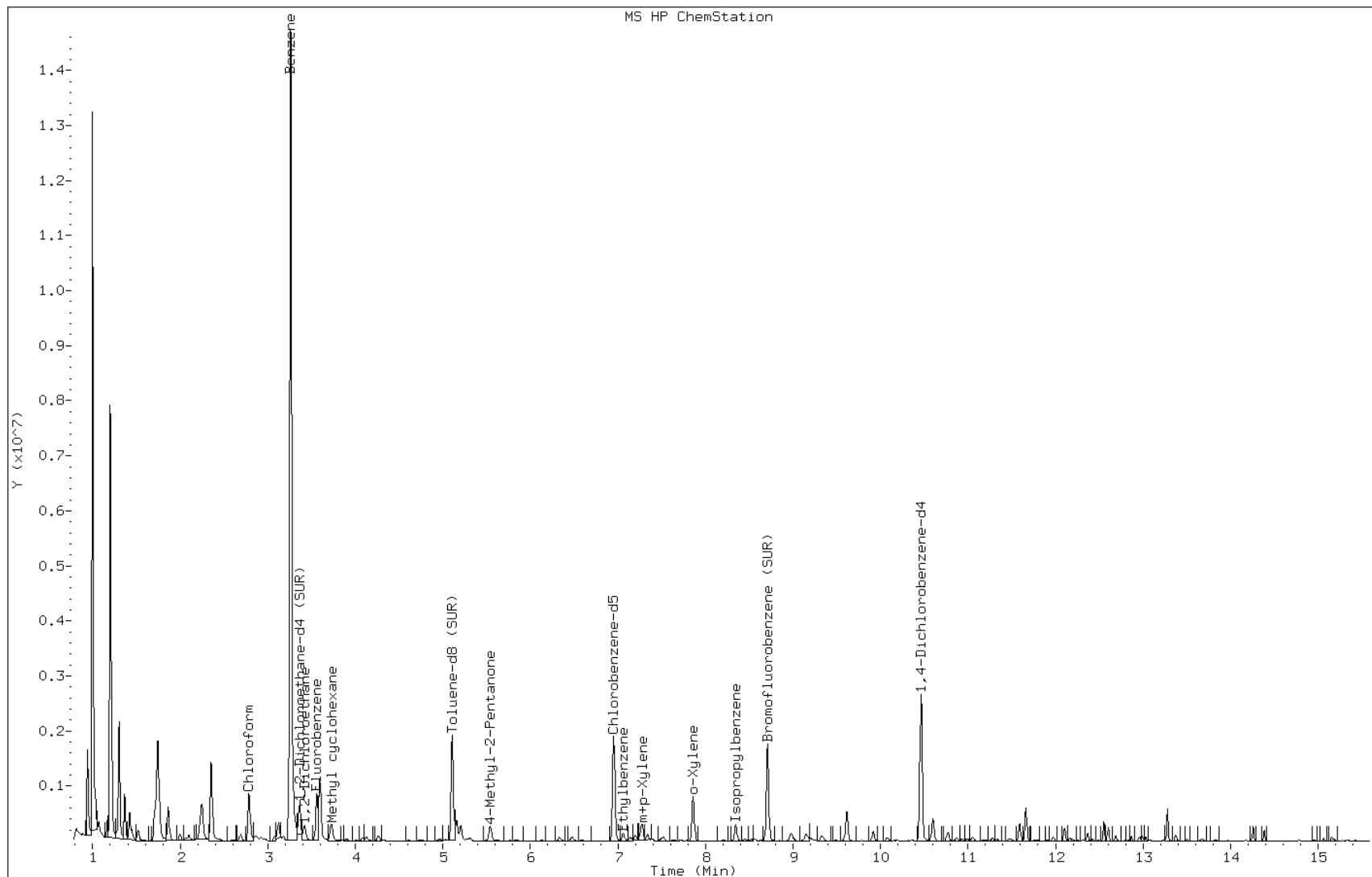
Date: 01-NOV-2012 02:12

Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-3;2

Operator: GC/MS VOAMS5



Data File: e09501.d

Date: 01-NOV-2012 02:12

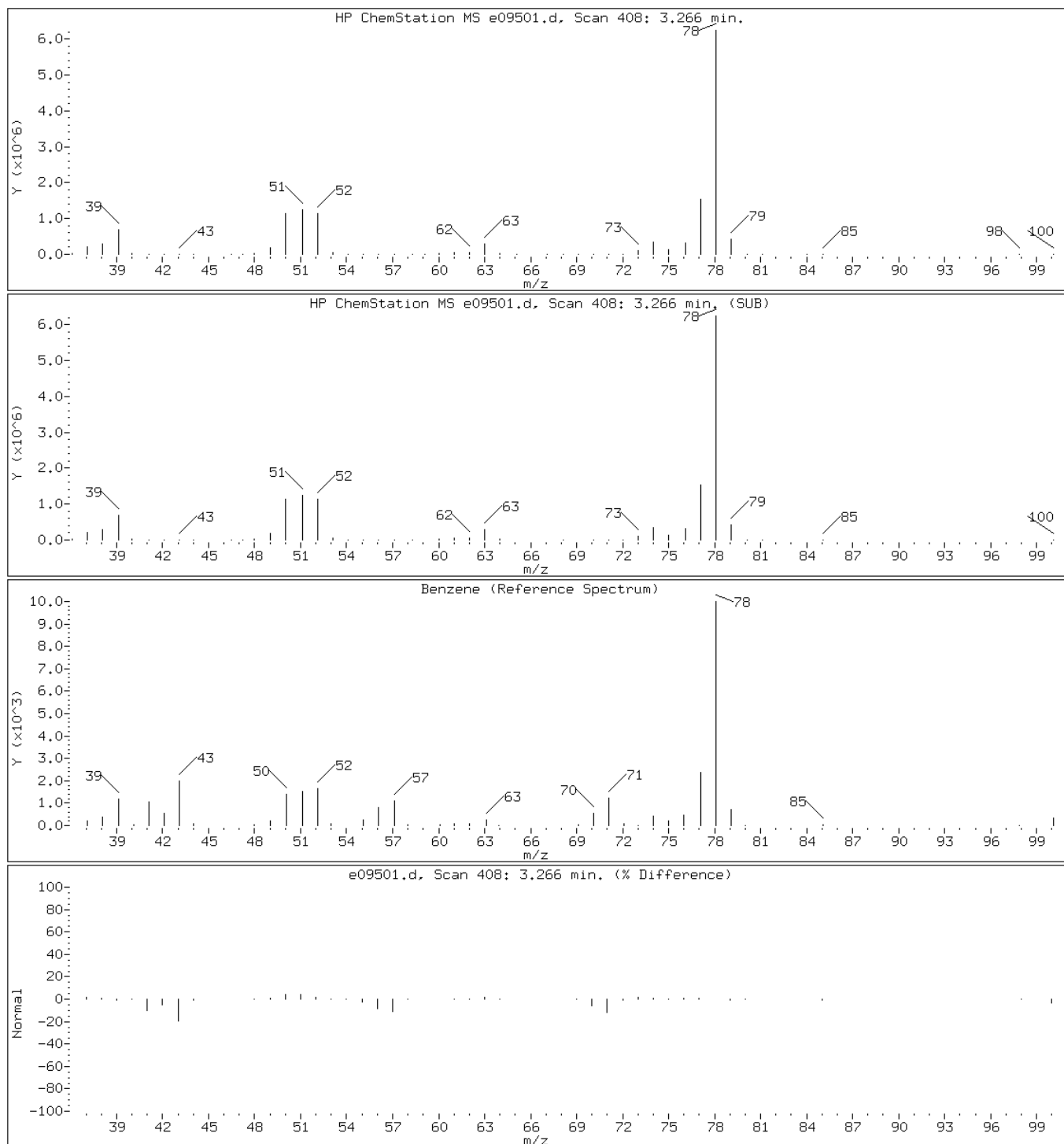
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-3;2

Operator: GC/MS VOAMS5

48 Benzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Client Sample ID: TB-17338-102312-267 Lab Sample ID: 460-46388-4

Matrix: Water Lab File ID: e09497.d

Analysis Method: 8260B Date Collected: 10/05/2012 00:00

Sample wt/vol: 5(mL) Date Analyzed: 11/01/2012 00:39

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)

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

Analysis Batch No.: 134044 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.060	U H	1.0	0.060
75-71-8	Dichlorodifluoromethane	0.22	U H	1.0	0.22
74-87-3	Chloromethane	0.10	U H	1.0	0.10
75-01-4	Vinyl chloride	0.14	U H	1.0	0.14
74-83-9	Bromomethane	0.18	U H	1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	0.40	U H	1.0	0.40
95-50-1	1,2-Dichlorobenzene	0.21	U H	1.0	0.21
75-69-4	Trichlorofluoromethane	0.15	U H	1.0	0.15
75-35-4	1,1-Dichloroethene	0.090	U H	1.0	0.090
78-87-5	1,2-Dichloropropane	0.090	U H	1.0	0.090
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U H	1.0	0.080
67-64-1	Acetone	2.7	U H *	5.0	2.7
75-15-0	Carbon disulfide	0.13	U H	1.0	0.13
79-20-9	Methyl acetate	0.34	U H	2.0	0.34
75-09-2	Methylene Chloride	0.70	J H	1.0	0.18
156-60-5	trans-1,2-Dichloroethene	0.13	U H	1.0	0.13
124-48-1	Chlorodibromomethane	0.20	U H	1.0	0.20
1634-04-4	Methyl tert-butyl ether	0.14	U H	1.0	0.14
75-00-3	Chloroethane	0.17	U H	1.0	0.17
75-34-3	1,1-Dichloroethane	0.13	U H	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.18	U H	1.0	0.18
78-93-3	2-Butanone (MEK)	2.3	U H *	5.0	2.3
67-66-3	Chloroform	0.080	U H	1.0	0.080
100-41-4	Ethylbenzene	0.10	U H	1.0	0.10
110-82-7	Cyclohexane	0.16	U H	1.0	0.16
56-23-5	Carbon tetrachloride	0.060	U H	1.0	0.060
71-43-2	Benzene	0.080	U H	1.0	0.080
107-06-2	1,2-Dichloroethane	0.19	U H	1.0	0.19
79-01-6	Trichloroethene	0.090	U H	1.0	0.090
108-87-2	Methylcyclohexane	0.14	U H	1.0	0.14
75-27-4	Dichlorobromomethane	0.12	U H	1.0	0.12
10061-01-5	cis-1,3-Dichloropropene	0.18	U H	1.0	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U H	5.0	0.99
108-88-3	Toluene	0.15	U H	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	0.24	U H	1.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Client Sample ID: TB-17338-102312-267 Lab Sample ID: 460-46388-4
 Matrix: Water Lab File ID: e09497.d
 Analysis Method: 8260B Date Collected: 10/05/2012 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 11/01/2012 00:39
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 134044 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	0.19	U H	1.0	0.19
127-18-4	Tetrachloroethene	0.10	U H	1.0	0.10
591-78-6	2-Hexanone	0.50	U H *	5.0	0.50
106-93-4	1,2-Dibromoethane	0.28	U H	1.0	0.28
108-90-7	Chlorobenzene	0.11	U H	1.0	0.11
1330-20-7	Xylenes, Total	0.36	U H	3.0	0.36
100-42-5	Styrene	0.12	U H	1.0	0.12
75-25-2	Bromoform	0.19	U H	1.0	0.19
98-82-8	Isopropylbenzene	0.080	U H	1.0	0.080
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U H	1.0	0.16
541-73-1	1,3-Dichlorobenzene	0.14	U H	1.0	0.14
106-46-7	1,4-Dichlorobenzene	0.23	U H	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	0.34	U H	1.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		70-130
460-00-4	4-Bromofluorobenzene	104		70-130
2037-26-5	Toluene-d8 (Surr)	100		70-130

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: TB-17338-102312-267 Lab Sample ID: 460-46388-4
Matrix: Water Lab File ID: e09497.d
Analysis Method: 8260B Date Collected: 10/05/2012 00:00
Sample wt/vol: 5(mL) Date Analyzed: 11/01/2012 00:39
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 134044 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09497.d
 Report Date: 01-Nov-2012 08:05

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09497.d
 Lab Smp Id: 460-46388-B-4
 Inj Date : 01-NOV-2012 00:39
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : 460-46388-B-4
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/8260DE_09.m
 Meth Date : 01-Nov-2012 05:10 audberto Quant Type: ISTD
 Cal Date : 31-OCT-2012 20:54 Cal File: e09491.d
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
							(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====		=====	=====
22 Methylene Chloride	49	1.864	1.857	(0.518)	6960		0.69657	0.70(a)
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363	(0.936)	363898		48.3945	48
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	812427		50.0000	
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	1192015		50.1435	50
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	1153132		50.0000	
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	596548		51.9679	52
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	805473		50.0000	

QC Flag Legend

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

Data File: e09497.d

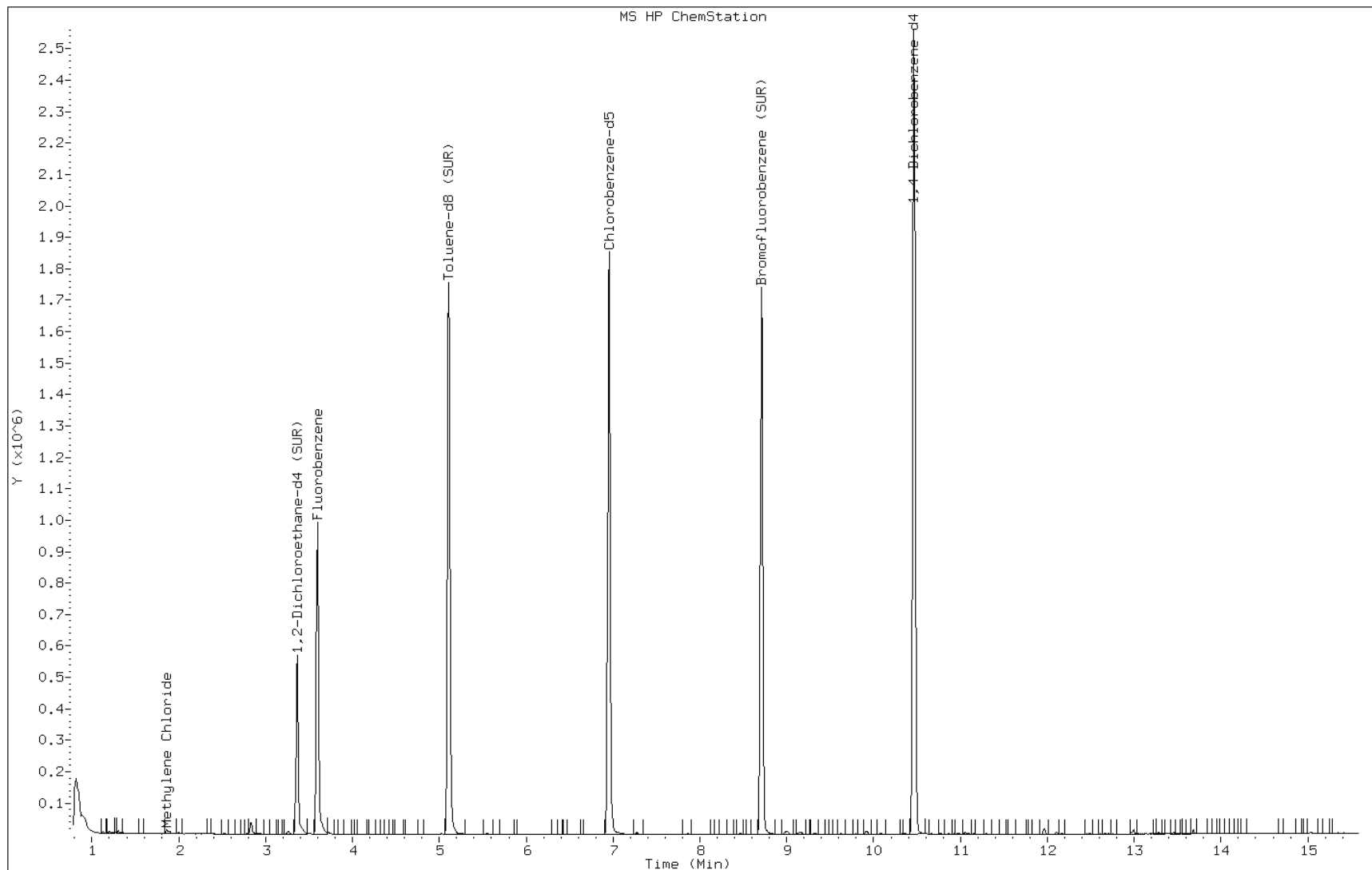
Date: 01-NOV-2012 00:39

Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-4

Operator: GC/MS VOAMS5



Data File: e09497.d

Date: 01-NOV-2012 00:39

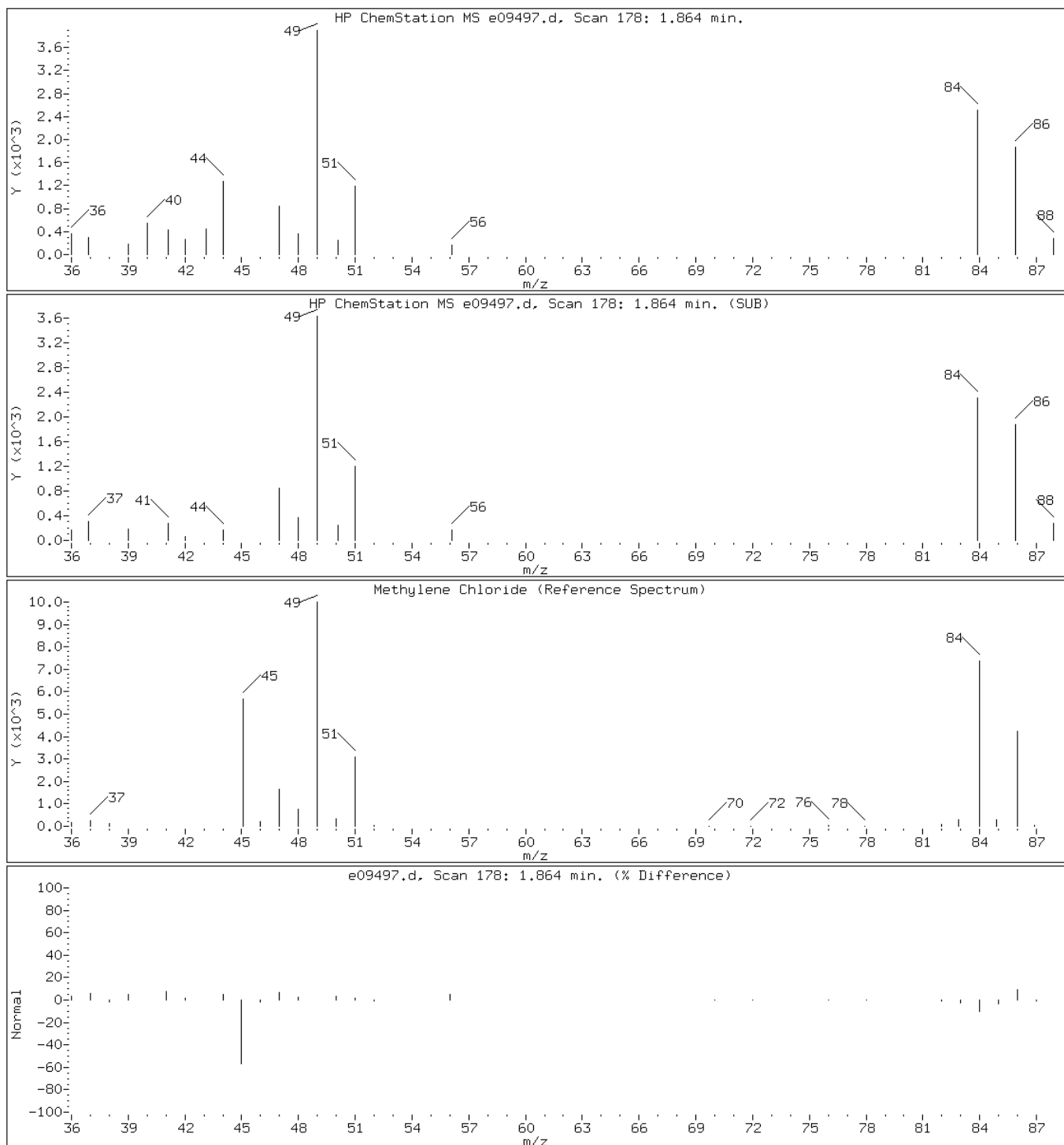
Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-B-4

Operator: GC/MS VOAMS5

22 Methylene Chloride



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

Lab Name: TestAmerica Edison Job No.: 460-46388-1 Analy Batch No.: 134043

SDG No.: _____

Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/31/2012 08:08 Calibration End Date: 10/31/2012 10:28 Calibration ID: 18335

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-134043/2	e09463.d
Level 2	IC 460-134043/3	e09465.d
Level 3	ICIS 460-134043/4	e09466.d
Level 4	IC 460-134043/5	e09467.d
Level 5	IC 460-134043/6	e09468.d
Level 6	IC 460-134043/7	e09469.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	0.3209 0.3251	0.3505	0.3740	0.3766	0.3258	Ave		0.3455			0.1000	7.3		30.0			
Chloromethane	0.5731 0.5601	0.5944	0.6222	0.6239	0.5242	Ave		0.5830			0.1000	6.6		30.0			
Vinyl chloride	0.4210 0.4747	0.4779	0.5198	0.5241	0.4644	Ave		0.4803			0.1000	7.9		30.0			
Bromomethane	0.3688 0.2895	0.3194	0.3126	0.3114	0.2868	Ave		0.3148			0.1000	9.4		30.0			
Chloroethane	0.3743 ++++	0.2949	0.2811	0.2950	0.2743	Ave		0.3039			0.1000	13.3		30.0			
Trichlorofluoromethane	0.5693 0.5024	0.4545	0.5299	0.5814	0.5060	Ave		0.5239			0.1000	9.0		30.0			
1,1-Dichloroethene	0.2365 0.3316	0.3103	0.3238	0.3305	0.3207	Ave		0.3089			0.1000	11.7		30.0			
Carbon disulfide	1.0161 1.3575	1.1789	1.3018	1.3904	1.3721	Ave		1.2695			0.1000	11.5		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2532 0.4030	0.2602	0.3994	0.4094	0.4143	LinF		0.4047							0.9998		0.9900
Methylene Chloride	0.5436 0.5015	0.5669	0.5783	0.5590	0.5005	Ave		0.5416			0.1000	6.2		30.0			
Acetone	0.0361 0.0278	0.0358	0.0341	0.0317	0.0285	Ave		0.0323		*	0.1000	11.2		30.0			
trans-1,2-Dichloroethene	0.3108 0.4056	0.3590	0.3840	0.3890	0.3817	Ave		0.3717			0.1000	9.0		30.0			
Methyl acetate	0.0634 0.0681	0.0732	0.0723	0.0701	0.0686	Ave		0.0693		*	0.1000	5.1		30.0			
Methyl tert-butyl ether	1.0723 1.1768	1.1628	1.2138	1.1823	1.1769	Ave		1.1641			0.1000	4.1		30.0			
1,1-Dichloroethane	0.6424 0.7657	0.7580	0.7707	0.7703	0.7381	Ave		0.7409			0.1000	6.7		30.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1 Analy Batch No.: 134043

SDG No.: _____

Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/31/2012 08:08 Calibration End Date: 10/31/2012 10:28 Calibration ID: 18335

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								
cis-1,2-Dichloroethene	0.3443 0.4063	0.3978	0.4094	0.4178	0.3954	Ave		0.3952			0.1000	6.6		30.0			
Cyclohexane	0.4611 0.7543	0.4145	0.6748	0.7113	0.7153	LinF		0.7488							0.9994		0.9900
Chloroform	0.5554 0.7096	0.6378	0.6844	0.7326	0.6763	Ave		0.6660			0.1000	9.5		30.0			
Carbon tetrachloride	0.4239 0.6000	0.4241	0.5150	0.5387	0.5665	Ave		0.5114			0.1000	14.4		30.0			
1,1,1-Trichloroethane	0.4240 0.6891	0.5501	0.6309	0.6472	0.6657	LinF		0.6856							0.9997		0.9900
2-Butanone (MEK)	0.0428 0.0682	0.0460	0.0670	0.0675	0.0667	LinF		0.0680							0.9998		0.9900
Benzene	0.9807 1.1230	1.1254	1.2019	1.2414	1.2579	Ave		1.1551			0.1000	8.9		30.0			
1,2-Dichloroethane	0.4920 0.5758	0.5574	0.5601	0.5882	0.5687	Ave		0.5570			0.1000	6.1		30.0			
Methylcyclohexane	0.4027 0.6467	0.3261	0.6167	0.6362	0.6201	LinF		0.6431							0.9997		0.9900
Trichloroethene	0.3560 0.4970	0.3894	0.4217	0.4260	0.4475	Ave		0.4229			0.1000	11.4		30.0			
1,2-Dichloropropane	0.3515 0.4644	0.4204	0.4357	0.4407	0.4349	Ave		0.4246			0.1000	9.1		30.0			
Dichlorobromomethane	0.4414 0.6269	0.5204	0.5564	0.5673	0.5890	Ave		0.5502			0.1000	11.6		30.0			
cis-1,3-Dichloropropene	0.4037 0.5467	0.4831	0.5089	0.5394	0.5460	Ave		0.5046			0.1000	11.0		30.0			
Toluene	1.1548 1.2965	1.3303	1.4107	1.4466	1.4214	Ave		1.3434			0.1000	8.1		30.0			
Tetrachloroethene	0.2466 0.3824	0.3233	0.3753	0.3868	0.3823	LinF		0.3824							1.0000		0.9900
4-Methyl-2-pentanone (MIBK)	0.2937 0.2962	0.2972	0.2992	0.3099	0.2993	Ave		0.2992			0.1000	1.9		30.0			
trans-1,3-Dichloropropene	0.3586 0.5221	0.4318	0.4715	0.4965	0.5113	Ave		0.4653			0.1000	13.2		30.0			
1,1,2-Trichloroethane	0.2028 0.2261	0.2158	0.2210	0.2266	0.2256	Ave		0.2197			0.1000	4.2		30.0			
Chlorodibromomethane	0.2403 0.3638	0.3041	0.3264	0.3480	0.3579	Ave		0.3234			0.1000	14.3		30.0			
1,2-Dibromoethane	0.2134 0.2846	0.2680	0.2805	0.2903	0.2863	Ave		0.2705			0.1000	10.7		30.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1 Analy Batch No.: 134043

SDG No.: _____

Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/31/2012 08:08 Calibration End Date: 10/31/2012 10:28 Calibration ID: 18335

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-Hexanone	0.2101 0.1986	0.2279	0.2366	0.2344	0.2151	Ave		0.2204			0.1000	6.8		30.0			
Chlorobenzene	0.7843 0.9664	0.9363	0.9815	0.9894	0.9643	Ave		0.9370			0.1000	8.2		30.0			
Ethylbenzene	0.3826 0.5805	0.4680	0.5173	0.5312	0.5372	Ave		0.5028			0.1000	13.8		30.0			
m-Xylene & p-Xylene	0.4890 0.6600	0.6086	0.6602	0.6790	0.6897	Ave		0.6311			0.1000	11.9		30.0			
o-Xylene	0.4771 0.6537	0.6022	0.6482	0.6564	0.6344	Ave		0.6120			0.1000	11.3		30.0			
Bromoform	0.1770 0.2757	0.2167	0.2424	0.2614	0.2681	LinF		0.2745							0.9998		0.9900
Styrene	0.7650 1.0968	1.0246	1.0959	1.1197	1.1030	Ave		1.0342			0.1000	13.1		30.0			
Isopropylbenzene	1.0595 1.4280	1.4474	1.6222	1.6774	1.6061	LinF		1.4576							0.9970		0.9900
1,1,2,2-Tetrachloroethane	0.4104 0.5466	0.4802	0.5031	0.5002	0.5116	Ave		0.4920			0.1000	9.3		30.0			
1,3-Dichlorobenzene	0.8915 1.2323	1.1123	1.1855	1.2048	1.1882	Ave		1.1358			0.1000	11.1		30.0			
1,4-Dichlorobenzene	0.9849 1.2605	1.1820	1.2395	1.2472	1.2265	Ave		1.1901			0.1000	8.7		30.0			
1,2-Dichlorobenzene	0.8781 1.1596	1.0786	1.1357	1.1448	1.1180	Ave		1.0858			0.1000	9.7		30.0			
1,2-Dibromo-3-Chloropropane	0.0765 0.0955	0.0816	0.0877	0.0909	0.0917	Ave		0.0873		*	0.1000	8.1		30.0			
1,2,4-Trichlorobenzene	0.5421 0.6697	0.6361	0.6624	0.6804	0.6803	Ave		0.6452			0.1000	8.2		30.0			
1,2-Dichloroethane-d4 (Surr)	0.4185 0.4510	0.4223	0.4151	0.4230	0.4256	Ave		0.4259			0.1000	3.0		30.0			
Toluene-d8 (Surr)	1.0354 0.9368	1.0356	1.0398	1.0504	1.0185	Ave		1.0194			0.1000	4.1		30.0			
4-Bromofluorobenzene	0.7359 0.7760	0.7462	0.7480	0.7413	0.7661	Ave		0.7523			0.1000	2.1		30.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1 Analy Batch No.: 134043

SDG No.: _____

Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/31/2012 08:08 Calibration End Date: 10/31/2012 10:28 Calibration ID: 18335

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-134043/2	e09463.d
Level 2	IC 460-134043/3	e09465.d
Level 3	ICIS 460-134043/4	e09466.d
Level 4	IC 460-134043/5	e09467.d
Level 5	IC 460-134043/6	e09468.d
Level 6	IC 460-134043/7	e09469.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	5585 3677173	31528	135073	350472	1408485	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	Ave	9973 6335200	53474	224687	580676	2266512	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	Ave	7326 5368838	42993	187735	487762	2007715	1.00 500	5.00	20.0	50.0	200
Bromomethane	FB	Ave	6418 3274554	28730	112889	289854	1239990	1.00 500	5.00	20.0	50.0	200
Chloroethane	FB	Ave	6513 ++++	26531	101520	274550	1186048	1.00 ++++	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	9907 5682285	40881	191370	541067	2187738	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethene	FB	Ave	4116 3750750	27912	116955	307609	1386663	1.00 500	5.00	20.0	50.0	200
Carbon disulfide	FB	Ave	17682 15353488	106045	470135	1294083	5932117	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	LinF	4406 4558450	23406	144224	380999	1791370	1.00 500	5.00	20.0	50.0	200
Methylene Chloride	FB	Ave	9459 5672174	51000	208862	520222	2164001	1.00 500	5.00	20.0	50.0	200
Acetone	FB	Ave	3141 313977	9673	12298	29521	123267	5.00 500	15.0	20.0	50.0	200
trans-1,2-Dichloroethene	FB	Ave	5408 4587876	32297	138676	362054	1650460	1.00 500	5.00	20.0	50.0	200
Methyl acetate	FB	Ave	1104 770357	6588	26103	65266	296432	1.00 500	5.00	20.0	50.0	200
Methyl tert-butyl ether	FB	Ave	18661 13310302	104600	438337	1100329	5088412	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	11180 8660075	68190	278315	716913	3191179	1.00 500	5.00	20.0	50.0	200
cis-1,2-Dichloroethene	FB	Ave	5992 4595333	35785	147854	388883	1709479	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.: 460-46388-1 Analy Batch No.: 134043

SDG No.: _____

Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/31/2012 08:08 Calibration End Date: 10/31/2012 10:28 Calibration ID: 18335

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
Cyclohexane	FB	LinF	8024 8531606	37285	243712	662012	3092381	1.00 500	5.00	20.0	50.0	200
Chloroform	FB	Ave	9665 8025702	57370	247175	681873	2924033	1.00 500	5.00	20.0	50.0	200
Carbon tetrachloride	FB	Ave	7377 6786087	38147	185984	501364	2449347	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	LinF	7379 7794440	49483	227851	602344	2878058	1.00 500	5.00	20.0	50.0	200
2-Butanone (MEK)	FB	LinF	3725 771219	12406	24194	62861	288349	5.00 500	15.0	20.0	50.0	200
Benzene	CBZ	Ave	23484 18422971	138150	601554	1557665	7255744	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane	FB	Ave	8561 6512289	50138	202270	547405	2458747	1.00 500	5.00	20.0	50.0	200
Methylcyclohexane	FB	LinF	7007 7314679	29331	222720	592133	2681125	1.00 500	5.00	20.0	50.0	200
Trichloroethene	FB	Ave	6196 5620853	35031	152289	396506	1934552	1.00 500	5.00	20.0	50.0	200
1,2-Dichloropropane	FB	Ave	6116 5252045	37819	157344	410182	1880171	1.00 500	5.00	20.0	50.0	200
Dichlorobromomethane	FB	Ave	7681 7090757	46815	200930	528013	2546608	1.00 500	5.00	20.0	50.0	200
cis-1,3-Dichloropropene	CBZ	Ave	9666 8969203	59305	254675	676809	3149177	1.00 500	5.00	20.0	50.0	200
Toluene	CBZ	Ave	27652 21268226	163306	706034	1815098	8199162	1.00 500	5.00	20.0	50.0	200
Tetrachloroethene	CBZ	LinF	5906 6273220	39690	187830	485324	2205018	1.00 500	5.00	20.0	50.0	200
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	35160 4858366	109442	149755	388848	1726502	5.00 500	15.0	20.0	50.0	200
trans-1,3-Dichloropropene	CBZ	Ave	8588 8565469	53012	235965	622986	2949523	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloroethane	CBZ	Ave	4856 3709589	26488	110620	284368	1301499	1.00 500	5.00	20.0	50.0	200
Chlorodibromomethane	CBZ	Ave	5753 5967812	37328	163345	436659	2064250	1.00 500	5.00	20.0	50.0	200
1,2-Dibromoethane	CBZ	Ave	5110 4669091	32904	140382	364197	1651339	1.00 500	5.00	20.0	50.0	200
2-Hexanone	CBZ	Ave	25150 3258382	83915	118414	294116	1240476	5.00 500	15.0	20.0	50.0	200
Chlorobenzene	CBZ	Ave	18781 15852783	114939	491246	1241437	5562289	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.: 460-46388-1 Analy Batch No.: 134043

SDG No.: _____

Instrument ID: VOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/31/2012 08:08 Calibration End Date: 10/31/2012 10:28 Calibration ID: 18335

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
Ethylbenzene	CBZ	Ave	9162 9523530	57449	258912	666525	3098686	1.00 500	5.00	20.0	50.0	200
m-Xylene & p-Xylene	CBZ	Ave	23419 21653977	149418	660819	1703858	7956293	2.00 1000	10.0	40.0	100	400
o-Xylene	CBZ	Ave	11424 10723863	73922	324409	823664	3659559	1.00 500	5.00	20.0	50.0	200
Bromoform	CBZ	LinF	4238 4522517	26597	121320	328047	1546334	1.00 500	5.00	20.0	50.0	200
Styrene	CBZ	Ave	18318 17993501	125774	548473	1404869	6362182	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBZ	LinF	25370 23425322	177677	811898	2104711	9264200	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCB	Ave	7101 5627268	42414	181142	462820	1991700	1.00 500	5.00	20.0	50.0	200
1,3-Dichlorobenzene	DCB	Ave	15427 12687766	98250	426834	1114661	4625730	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCB	Ave	17043 12977695	104408	446289	1153933	4774582	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCB	Ave	15195 11939332	95270	408892	1059194	4352368	1.00 500	5.00	20.0	50.0	200
1,2-Dibromo-3-Chloropropane	DCB	Ave	1324 983300	7212	31573	84098	356944	1.00 500	5.00	20.0	50.0	200
1,2,4-Trichlorobenzene	DCB	Ave	9381 6894964	56190	238496	629463	2648409	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane-d4 (Surr)	FB	Ave	364128 510103	379914	374792	393721	459989	50.0 50.0	50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	1239710 1536739	1271286	1301037	1317954	1468680	50.0 50.0	50.0	50.0	50.0	50.0
4-Bromofluorobenzene	DCB	Ave	636725 798915	659156	673265	685877	745649	50.0 50.0	50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD

LinF = Linear ISTD forced zero

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09463.d
 Report Date: 31-Oct-2012 20:16

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09463.d
 Lab Smp Id: IC-VM8CAL1
 Inj Date : 31-OCT-2012 08:08
 Operator : GC/MS VOAMS5
 Smp Info : IC-VM8CAL1
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/8260DE_09.m
 Meth Date : 31-Oct-2012 20:16 martinez
 Cal Date : 31-OCT-2012 08:08
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2

Inst ID: VOAMS5.i
 Quant Type: ISTD
 Cal File: e09463.d
 Calibration Sample, Level: 1
 Compound Sublist: HSLDEL.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.900	0.900	(0.250)	5585	1.00000	1.0
3 Chloromethane	50	1.016	1.016	(0.283)	9973	1.00000	1.0
4 Vinyl Chloride	62	1.022	1.022	(0.284)	7326	1.00000	1.0
6 Bromomethane	94	1.181	1.181	(0.328)	6418	1.00000	1.0
5 Chloroethane	64	1.236	1.236	(0.344)	6513	1.00000	1.0
7 Trichlorofluoromethane	101	1.297	1.297	(0.361)	9907	1.00000	1.0
14 Freon TF	101	1.571	1.571	(0.437)	4406	1.00000	1.0
15 1,1-Dichloroethene	96	1.553	1.553	(0.432)	4116	1.00000	1.0
16 Acetone	58	1.888	1.888	(0.525)	3141	5.00000	5.0
18 Carbon Disulfide	76	1.565	1.565	(0.435)	17682	1.00000	1.0
27 Methyl Acetate	74	1.961	1.961	(0.546)	1104	1.00000	1.0
22 Methylene Chloride	49	1.857	1.857	(0.517)	9459	1.00000	1.0
28 MTBE	73	2.016	2.016	(0.561)	18661	1.00000	1.0
25 trans-1,2-Dichloroethene	96	1.943	1.943	(0.540)	5408	1.00000	1.0
30 1,1-Dichloroethane	63	2.302	2.302	(0.640)	11180	1.00000	1.0
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.737)	5992	1.00000	1.0

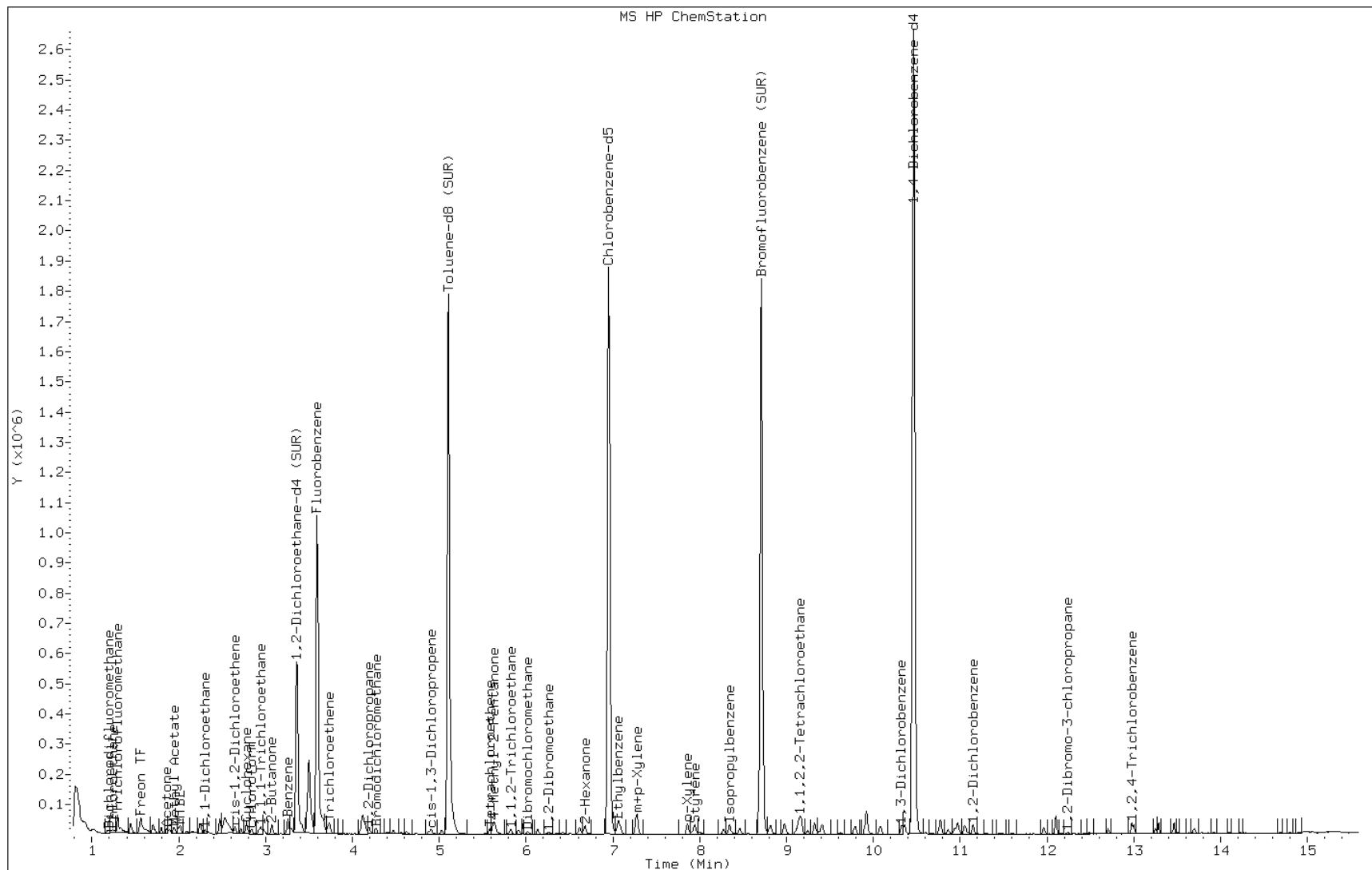
Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09463.d
 Report Date: 31-Oct-2012 20:16

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.071	3.071	(0.854)	3725	5.00000	5.0
42 Chloroform	83	2.839	2.839	(0.790)	9665	1.00000	1.0
44 Cyclohexane	56	2.784	2.784	(0.774)	8024	1.00000	1.0
43 1,1,1-Trichloroethane	97	2.979	2.979	(0.829)	7379	1.00000	1.0
45 Carbon Tetrachloride	117	2.930	2.930	(0.815)	7377	1.00000	1.0
48 Benzene	78	3.254	3.254	(0.468)	23484	1.00000	1.0
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.357	3.357	(0.934)	364128	50.0000	50
49 1,2-Dichloroethane	62	3.412	3.412	(0.949)	8561	1.00000	1.0
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	870108	50.0000	
54 Trichloroethene	95	3.741	3.741	(1.041)	6196	1.00000	1.0
56 Methyl cyclohexane	83	3.729	3.729	(1.037)	7007	1.00000	1.0
57 1,2-Dichloropropane	63	4.198	4.198	(1.168)	6116	1.00000	1.0
68 Bromodichloromethane	83	4.272	4.272	(1.188)	7681	1.00000	1.0
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.705)	9666	1.00000	1.0
70 4-Methyl-2-Pentanone	43	5.625	5.625	(0.809)	35160	5.00000	5.0
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	1239710	50.0000	50
66 Toluene	91	5.162	5.162	(0.742)	27652	1.00000	1.0
64 trans-1,3-Dichloropropene	75	5.649	5.649	(0.812)	8588	1.00000	1.0
69 1,1,2-Trichloroethane	83	5.826	5.826	(0.838)	4856	1.00000	1.0
71 Tetrachloroethene	166	5.582	5.582	(0.803)	5906	1.00000	1.0
73 2-Hexanone	43	6.680	6.680	(0.961)	25150	5.00000	5.0
74 Dibromochloromethane	129	6.015	6.015	(0.865)	5753	1.00000	1.0
77 1,2-Dibromoethane	107	6.265	6.265	(0.901)	5110	1.00000	1.0
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	1197272	50.0000	
79 Chlorobenzene	112	6.972	6.972	(1.003)	18781	1.00000	1.0
81 Ethylbenzene	106	7.064	7.064	(1.016)	9162	1.00000	1.0(H)
82 m+p-Xylene	106	7.277	7.277	(1.046)	23419	2.00000	2.0
84 o-Xylene	106	7.856	7.856	(1.130)	11424	1.00000	1.0
85 Styrene	104	7.948	7.948	(1.143)	18318	1.00000	1.0
86 Bromoform	173	7.917	7.917	(1.139)	4238	1.00000	1.0
88 Isopropylbenzene	105	8.350	8.350	(1.201)	25370	1.00000	1.0
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	636725	50.0000	50
92 1,1,2,2-Tetrachloroethane	83	9.112	9.112	(0.871)	7101	1.00000	1.0
105 1,3-Dichlorobenzene	146	10.325	10.325	(0.987)	15427	1.00000	1.0
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	865207	50.0000	
109 1,4-Dichlorobenzene	146	10.490	10.490	(1.002)	17043	1.00000	1.0
111 1,2-Dichlorobenzene	146	11.154	11.154	(1.066)	15195	1.00000	1.0(H)
112 1,2-Dibromo-3-chloropropane	75	12.240	12.240	(1.169)	1324	1.00000	1.0
114 1,2,4-Trichlorobenzene	180	12.977	12.977	(1.240)	9381	1.00000	1.0
M 120 1,2-Dichloroethene (Total)	100				11400	2.00000	2.0
M 121 Xylene (Total)	100				34843	3.00000	3.0

QC Flag Legend

H - Operator selected an alternate compound hit.

Operator: GC/MS VOAMS5



Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09465.d
 Report Date: 31-Oct-2012 20:16

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09465.d
 Lab Smp Id: IC-VM8CAL2
 Inj Date : 31-OCT-2012 08:55
 Operator : GC/MS VOAMS5
 Smp Info : IC-VM8CAL2
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/8260DE_09.m
 Meth Date : 31-Oct-2012 20:16 martinez
 Cal Date : 31-OCT-2012 08:55
 Als bottle: 4
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2

Inst ID: VOAMS5.i

Quant Type: ISTD

Cal File: e09465.d

Calibration Sample, Level: 2

Compound Sublist: HSLDEL.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.894	0.894	(0.249)	31528	5.00000	5.2
3 Chloromethane	50	1.010	1.010	(0.281)	53474	5.00000	5.1
4 Vinyl Chloride	62	1.022	1.022	(0.284)	42993	5.00000	5.3
6 Bromomethane	94	1.175	1.175	(0.327)	28730	5.00000	4.6
5 Chloroethane	64	1.236	1.236	(0.344)	26531	5.00000	4.4
7 Trichlorofluoromethane	101	1.297	1.297	(0.361)	40881	5.00000	4.4
14 Freon TF	101	1.565	1.565	(0.435)	23406	5.00000	5.1
15 1,1-Dichloroethene	96	1.547	1.547	(0.430)	27912	5.00000	5.7
16 Acetone	58	1.894	1.894	(0.527)	9673	15.0000	15
18 Carbon Disulfide	76	1.559	1.559	(0.434)	106045	5.00000	5.4
27 Methyl Acetate	74	1.961	1.961	(0.546)	6588	5.00000	5.4
22 Methylene Chloride	49	1.857	1.857	(0.517)	51000	5.00000	5.1
28 MTBE	73	2.022	2.022	(0.562)	104600	5.00000	5.2
25 trans-1,2-Dichloroethene	96	1.943	1.943	(0.540)	32297	5.00000	5.4
30 1,1-Dichloroethane	63	2.302	2.302	(0.640)	68190	5.00000	5.4
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.737)	35785	5.00000	5.4

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09465.d
 Report Date: 31-Oct-2012 20:16

Compounds	QUANT SIG		EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS	RT				CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.077	3.077	(0.856)	12406	15.0000	16
42 Chloroform	83	2.839	2.839	(0.790)	57370	5.00000	5.3
44 Cyclohexane	56	2.778	2.778	(0.773)	37285	5.00000	4.7
43 1,1,1-Trichloroethane	97	2.979	2.979	(0.829)	49483	5.00000	5.6
45 Carbon Tetrachloride	117	2.924	2.924	(0.813)	38147	5.00000	5.0
48 Benzene	78	3.254	3.254	(0.468)	138150	5.00000	5.3
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.357	3.357	(0.934)	379914	50.0000	50
49 1,2-Dichloroethane	62	3.412	3.412	(0.949)	50138	5.00000	5.3
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	899563	50.0000	
54 Trichloroethene	95	3.735	3.735	(1.039)	35031	5.00000	5.2
56 Methyl cyclohexane	83	3.729	3.729	(1.037)	29331	5.00000	4.5
57 1,2-Dichloropropane	63	4.192	4.192	(1.166)	37819	5.00000	5.4
68 Bromodichloromethane	83	4.272	4.272	(1.188)	46815	5.00000	5.4
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.705)	59305	5.00000	5.4
70 4-Methyl-2-Pentanone	43	5.631	5.631	(0.810)	109442	15.0000	15
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	1271286	50.0000	50
66 Toluene	91	5.156	5.156	(0.741)	163306	5.00000	5.4
64 trans-1,3-Dichloropropene	75	5.649	5.649	(0.812)	53012	5.00000	5.5
69 1,1,2-Trichloroethane	83	5.820	5.820	(0.837)	26488	5.00000	5.2
71 Tetrachloroethene	166	5.576	5.576	(0.802)	39690	5.00000	5.7
73 2-Hexanone	43	6.680	6.680	(0.961)	83915	15.0000	16
74 Dibromochloromethane	129	6.015	6.015	(0.865)	37328	5.00000	5.6
77 1,2-Dibromoethane	107	6.259	6.259	(0.900)	32904	5.00000	5.6
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	1227598	50.0000	
79 Chlorobenzene	112	6.972	6.972	(1.003)	114939	5.00000	5.4
81 Ethylbenzene	106	7.064	7.064	(1.016)	57449	5.00000	5.5
82 m+p-Xylene	106	7.277	7.277	(1.046)	149418	10.0000	11
84 o-Xylene	106	7.856	7.856	(1.130)	73922	5.00000	5.6
85 Styrene	104	7.942	7.942	(1.142)	125774	5.00000	5.7
86 Bromoform	173	7.911	7.911	(1.138)	26597	5.00000	5.5
88 Isopropylbenzene	105	8.344	8.344	(1.200)	177677	5.00000	5.8
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	659156	50.0000	50
92 1,1,2,2-Tetrachloroethane	83	9.112	9.112	(0.871)	42414	5.00000	5.4
105 1,3-Dichlorobenzene	146	10.325	10.325	(0.987)	98250	5.00000	5.6
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	883307	50.0000	
109 1,4-Dichlorobenzene	146	10.484	10.484	(1.002)	104408	5.00000	5.4
111 1,2-Dichlorobenzene	146	11.148	11.148	(1.065)	95270	5.00000	5.5
112 1,2-Dibromo-3-chloropropane	75	12.233	12.233	(1.169)	7212	5.00000	5.2
114 1,2,4-Trichlorobenzene	180	12.977	12.977	(1.240)	56190	5.00000	5.4
M 120 1,2-Dichloroethene (Total)	100				68082	10.0000	11
M 121 Xylene (Total)	100				223340	15.0000	17

Data File: e09465.d

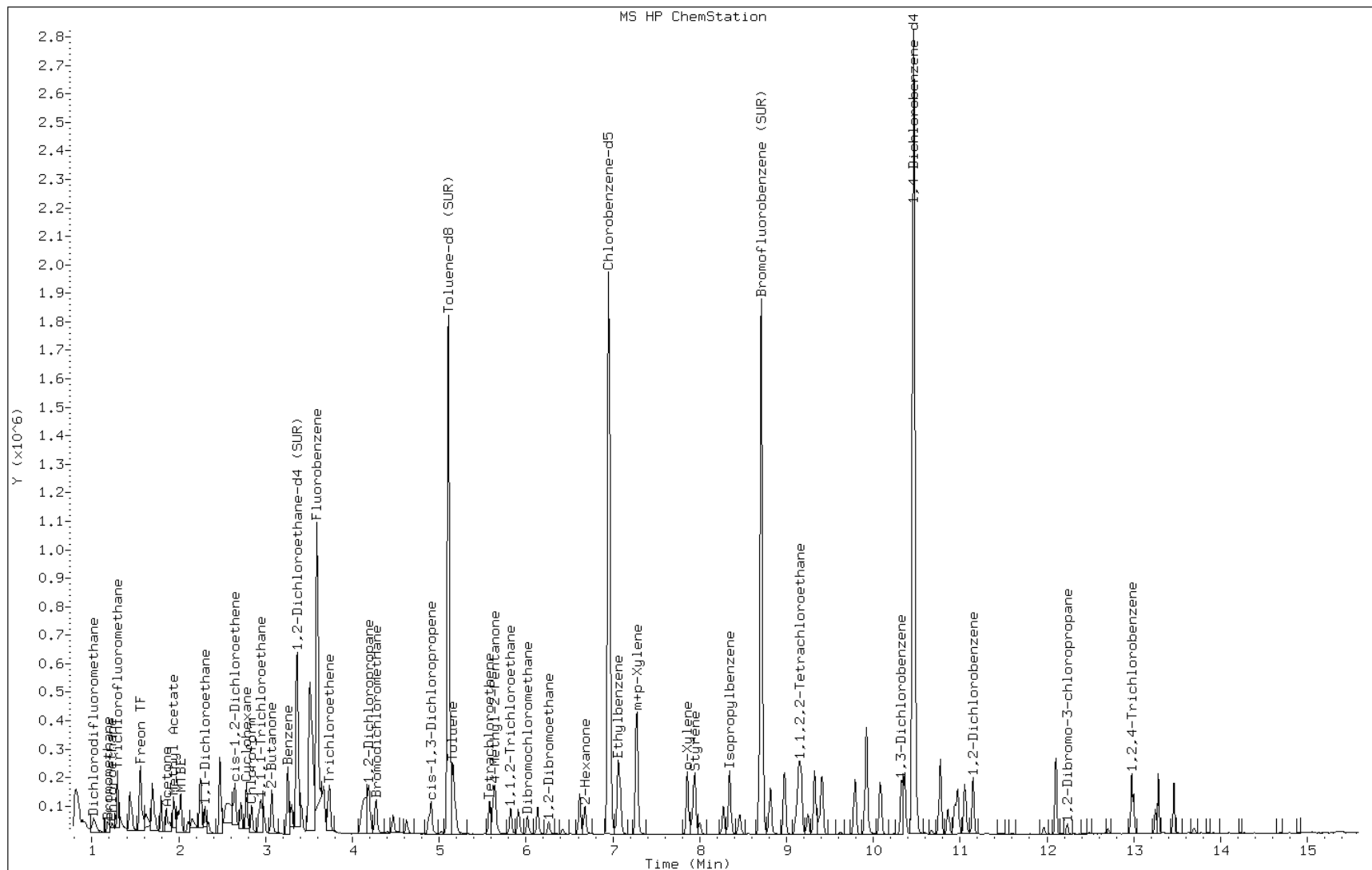
Date: 31-OCT-2012 08:55

Client ID:

Instrument: VOAMS5.i

Sample Info: IC-VM8CAL2

Operator: GC/MS VOAMS5



Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09466.d
 Report Date: 31-Oct-2012 20:16

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09466.d
 Lab Smp Id: ICIS-VM8CAL3
 Inj Date : 31-OCT-2012 09:18
 Operator : GC/MS VOAMS5
 Smp Info : ICIS-VM8CAL3
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/8260DE_09.m
 Meth Date : 31-Oct-2012 20:16 martinez
 Cal Date : 31-OCT-2012 09:18
 Als bottle: 4
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2

Inst ID: VOAMS5.i

Quant Type: ISTD

Cal File: e09466.d

Calibration Sample, Level: 3

Compound Sublist: HSLDEL.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.894	0.894	(0.249)	135073	20.0000	21
3 Chloromethane	50	1.016	1.016	(0.283)	224687	20.0000	21
4 Vinyl Chloride	62	1.022	1.022	(0.284)	187735	20.0000	22
6 Bromomethane	94	1.181	1.181	(0.328)	112889	20.0000	19
5 Chloroethane	64	1.236	1.236	(0.344)	101520	20.0000	18
7 Trichlorofluoromethane	101	1.297	1.297	(0.361)	191370	20.0000	20
14 Freon TF	101	1.565	1.565	(0.435)	144224	20.0000	26
15 1,1-Dichloroethene	96	1.546	1.546	(0.430)	116955	20.0000	22
16 Acetone	58	1.894	1.894	(0.527)	12298	20.0000	19
18 Carbon Disulfide	76	1.565	1.565	(0.435)	470135	20.0000	22
27 Methyl Acetate	74	1.961	1.961	(0.546)	26103	20.0000	21
22 Methylene Chloride	49	1.857	1.857	(0.517)	208862	20.0000	20
28 MTBE	73	2.022	2.022	(0.562)	438337	20.0000	21
25 trans-1,2-Dichloroethene	96	1.943	1.943	(0.540)	138676	20.0000	22
30 1,1-Dichloroethane	63	2.302	2.302	(0.640)	278315	20.0000	21
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.737)	147854	20.0000	21

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09466.d
Report Date: 31-Oct-2012 20:16

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.071	3.071	(0.854)	24194	20.0000	26
42 Chloroform	83	2.839	2.839	(0.790)	247175	20.0000	22
44 Cyclohexane	56	2.778	2.778	(0.773)	243712	20.0000	26
43 1,1,1-Trichloroethane	97	2.979	2.979	(0.829)	227851	20.0000	24
45 Carbon Tetrachloride	117	2.930	2.930	(0.815)	185984	20.0000	23
48 Benzene	78	3.260	3.260	(0.469)	601554	20.0000	22
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363	(0.936)	374792	50.0000	50
49 1,2-Dichloroethane	62	3.412	3.412	(0.949)	202270	20.0000	21
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	902852	50.0000	
54 Trichloroethene	95	3.735	3.735	(1.039)	152289	20.0000	22
56 Methyl cyclohexane	83	3.723	3.723	(1.036)	222720	20.0000	28
57 1,2-Dichloropropane	63	4.192	4.192	(1.166)	157344	20.0000	22
68 Bromodichloromethane	83	4.272	4.272	(1.188)	200930	20.0000	22
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.705)	254675	20.0000	22
70 4-Methyl-2-Pentanone	43	5.631	5.631	(0.810)	149755	20.0000	20
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	1301037	50.0000	50
66 Toluene	91	5.162	5.162	(0.742)	706034	20.0000	22
64 trans-1,3-Dichloropropene	75	5.649	5.649	(0.812)	235965	20.0000	22
69 1,1,2-Trichloroethane	83	5.820	5.820	(0.837)	110620	20.0000	21
71 Tetrachloroethene	166	5.582	5.582	(0.803)	187830	20.0000	24
73 2-Hexanone	43	6.680	6.680	(0.961)	118414	20.0000	21
74 Dibromochloromethane	129	6.015	6.015	(0.865)	163345	20.0000	22
77 1,2-Dibromoethane	107	6.259	6.259	(0.900)	140382	20.0000	22
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	1251219	50.0000	
79 Chlorobenzene	112	6.972	6.972	(1.003)	491246	20.0000	22
81 Ethylbenzene	106	7.064	7.064	(1.016)	258912	20.0000	23
82 m+p-Xylene	106	7.277	7.277	(1.046)	660819	40.0000	45
84 o-Xylene	106	7.862	7.862	(1.131)	324409	20.0000	22
85 Styrene	104	7.942	7.942	(1.142)	548473	20.0000	23
86 Bromoform	173	7.911	7.911	(1.138)	121320	20.0000	23
88 Isopropylbenzene	105	8.344	8.344	(1.200)	811898	20.0000	24
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	673265	50.0000	50
92 1,1,2,2-Tetrachloroethane	83	9.112	9.112	(0.871)	181142	20.0000	22
105 1,3-Dichlorobenzene	146	10.331	10.331	(0.987)	426834	20.0000	22
* 108 1,4-Dichlorobenzene-d4	152	10.465	10.465	(1.000)	900125	50.0000	
109 1,4-Dichlorobenzene	146	10.490	10.490	(1.002)	446289	20.0000	22
111 1,2-Dichlorobenzene	146	11.148	11.148	(1.065)	408892	20.0000	22
112 1,2-Dibromo-3-chloropropane	75	12.233	12.233	(1.169)	31573	20.0000	21
114 1,2,4-Trichlorobenzene	180	12.977	12.977	(1.240)	238496	20.0000	22
M 120 1,2-Dichloroethene (Total)	100				286530	40.0000	43
M 121 Xylene (Total)	100				985228	60.0000	68

Data File: e09466.d

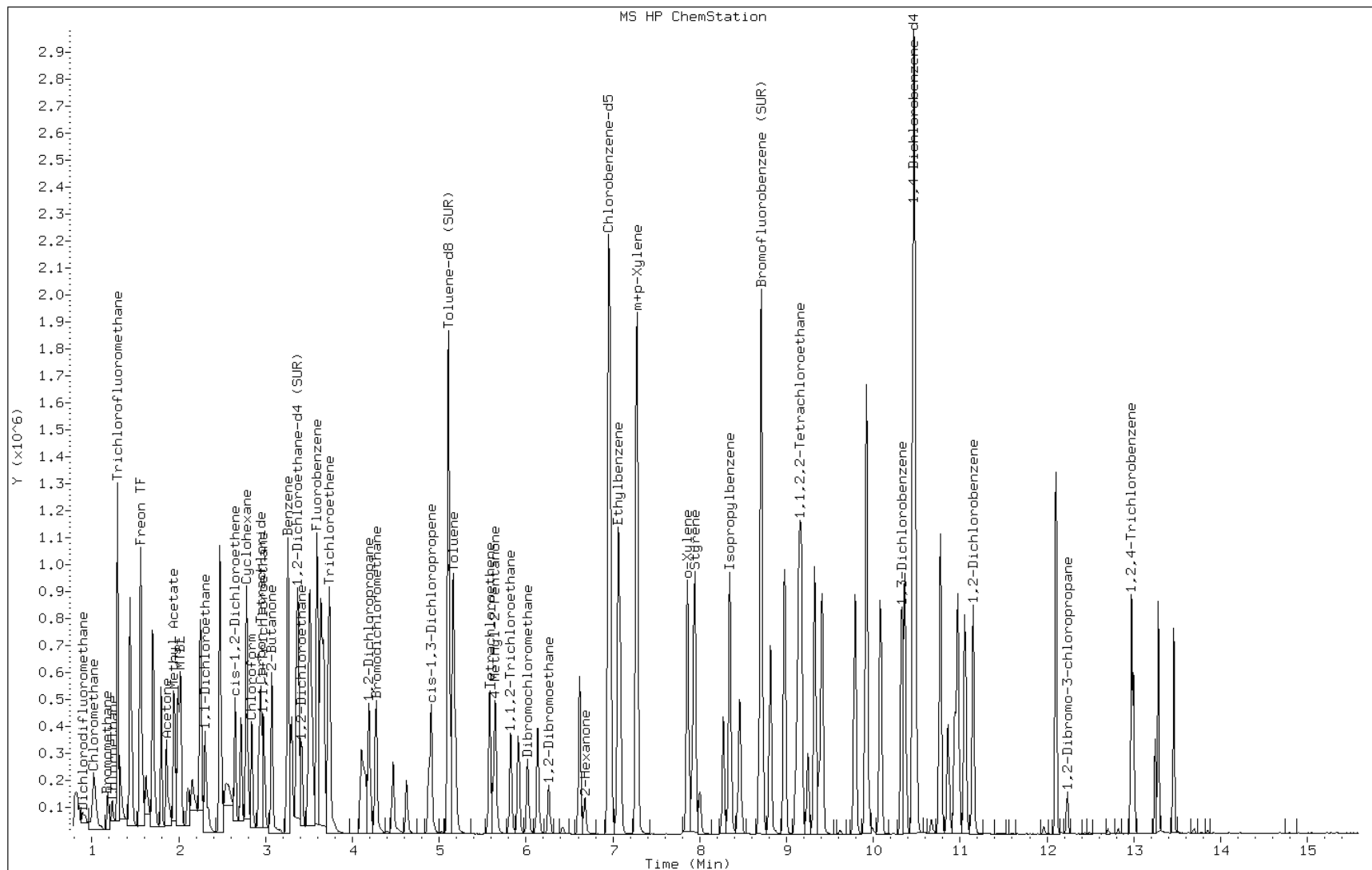
Date: 31-OCT-2012 09:18

Client ID:

Instrument: VOAMS5.i

Sample Info: ICIS-VM8CAL3

Operator: GC/MS VOAMS5



Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09467.d
 Report Date: 31-Oct-2012 20:16

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09467.d
 Lab Smp Id: IC-VM8CAL4
 Inj Date : 31-OCT-2012 09:41
 Operator : GC/MS VOAMS5
 Smp Info : IC-VM8CAL4
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/8260DE_09.m
 Meth Date : 31-Oct-2012 20:16 martinez Quant Type: ISTD
 Cal Date : 31-OCT-2012 09:18 Cal File: e09466.d
 Als bottle: 5 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.894	0.894	(0.249)	350472	50.0000	53
3 Chloromethane	50	1.010	1.010	(0.281)	580676	50.0000	52
4 Vinyl Chloride	62	1.022	1.022	(0.284)	487762	50.0000	54
6 Bromomethane	94	1.175	1.175	(0.327)	289854	50.0000	47
5 Chloroethane	64	1.230	1.230	(0.342)	274550	50.0000	47
7 Trichlorofluoromethane	101	1.297	1.297	(0.361)	541067	50.0000	54
14 Freon TF	101	1.571	1.571	(0.437)	380999	50.0000	62
15 1,1-Dichloroethene	96	1.547	1.547	(0.430)	307609	50.0000	55
16 Acetone	58	1.894	1.894	(0.527)	29521	50.0000	46
18 Carbon Disulfide	76	1.565	1.565	(0.435)	1294083	50.0000	57
27 Methyl Acetate	74	1.961	1.961	(0.546)	65266	50.0000	50
22 Methylene Chloride	49	1.858	1.858	(0.517)	520222	50.0000	50
28 MTBE	73	2.016	2.016	(0.561)	1100329	50.0000	51
25 trans-1,2-Dichloroethene	96	1.949	1.949	(0.542)	362054	50.0000	54
30 1,1-Dichloroethane	63	2.303	2.303	(0.640)	716913	50.0000	52
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.737)	388883	50.0000	53

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09467.d
 Report Date: 31-Oct-2012 20:16

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.071	3.071	(0.854)	62861	50.0000	60
42 Chloroform	83	2.845	2.845	(0.791)	681873	50.0000	56
44 Cyclohexane	56	2.778	2.778	(0.773)	662012	50.0000	63
43 1,1,1-Trichloroethane	97	2.979	2.979	(0.829)	602344	50.0000	57
45 Carbon Tetrachloride	117	2.931	2.931	(0.815)	501364	50.0000	57
48 Benzene	78	3.260	3.260	(0.469)	1557665	50.0000	54
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363	(0.936)	393721	50.0000	50
49 1,2-Dichloroethane	62	3.418	3.418	(0.951)	547405	50.0000	54
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	930697	50.0000	
54 Trichloroethene	95	3.741	3.741	(1.041)	396506	50.0000	53
56 Methyl cyclohexane	83	3.729	3.729	(1.037)	592133	50.0000	64
57 1,2-Dichloropropane	63	4.193	4.193	(1.166)	410182	50.0000	53
68 Bromodichloromethane	83	4.272	4.272	(1.188)	528013	50.0000	54
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.705)	676809	50.0000	56
70 4-Methyl-2-Pentanone	43	5.625	5.625	(0.809)	388848	50.0000	52
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	1317954	50.0000	50
66 Toluene	91	5.162	5.162	(0.742)	1815098	50.0000	54
64 trans-1,3-Dichloropropene	75	5.650	5.650	(0.812)	622986	50.0000	56
69 1,1,2-Trichloroethane	83	5.820	5.820	(0.837)	284368	50.0000	52
71 Tetrachloroethene	166	5.583	5.583	(0.803)	485324	50.0000	58
73 2-Hexanone	43	6.680	6.680	(0.961)	294116	50.0000	52
74 Dibromochloromethane	129	6.021	6.021	(0.866)	436659	50.0000	57
77 1,2-Dibromoethane	107	6.259	6.259	(0.900)	364197	50.0000	55
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	1254725	50.0000	
79 Chlorobenzene	112	6.973	6.973	(1.003)	1241437	50.0000	54
81 Ethylbenzene	106	7.064	7.064	(1.016)	666525	50.0000	56
82 m+p-Xylene	106	7.277	7.277	(1.046)	1703858	100.000	110
84 o-Xylene	106	7.863	7.863	(1.131)	823664	50.0000	55
85 Styrene	104	7.942	7.942	(1.142)	1404869	50.0000	56
86 Bromoform	173	7.911	7.911	(1.138)	328047	50.0000	58
88 Isopropylbenzene	105	8.350	8.350	(1.201)	2104711	50.0000	58
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	685877	50.0000	50
92 1,1,2,2-Tetrachloroethane	83	9.112	9.112	(0.871)	462820	50.0000	53
105 1,3-Dichlorobenzene	146	10.332	10.332	(0.987)	1114661	50.0000	55
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	925196	50.0000	
109 1,4-Dichlorobenzene	146	10.490	10.490	(1.002)	1153933	50.0000	54
111 1,2-Dichlorobenzene	146	11.155	11.155	(1.066)	1059194	50.0000	54
112 1,2-Dibromo-3-chloropropane	75	12.234	12.234	(1.169)	84098	50.0000	54
114 1,2,4-Trichlorobenzene	180	12.977	12.977	(1.240)	629463	50.0000	54
M 120 1,2-Dichloroethene (Total)	100				750937	100.000	110
M 121 Xylene (Total)	100				2527522	150.000	170

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09468.d
 Report Date: 31-Oct-2012 20:16

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09468.d
 Lab Smp Id: IC-VM8CAL5
 Inj Date : 31-OCT-2012 10:05
 Operator : GC/MS VOAMS5
 Smp Info : IC-VM8CAL5
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/8260DE_09.m
 Meth Date : 31-Oct-2012 20:16 martinez
 Cal Date : 31-OCT-2012 09:18
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2

Inst ID: VOAMS5.i
 Quant Type: ISTD
 Cal File: e09466.d
 Calibration Sample, Level: 5
 Compound Sublist: HSLDEL.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.894	0.894	(0.248)	1408485	200.000	190
3 Chloromethane	50	1.016	1.016	(0.282)	2266512	200.000	180
4 Vinyl Chloride	62	1.022	1.022	(0.284)	2007715	200.000	190
6 Bromomethane	94	1.181	1.181	(0.328)	1239990	200.000	180
5 Chloroethane	64	1.236	1.236	(0.343)	1186048	200.000	180
7 Trichlorofluoromethane	101	1.297	1.297	(0.360)	2187738	200.000	190
14 Freon TF	101	1.571	1.571	(0.436)	1791370	200.000	240
15 1,1-Dichloroethene	96	1.547	1.547	(0.429)	1386663	200.000	210
16 Acetone	58	1.894	1.894	(0.526)	123267	200.000	170
18 Carbon Disulfide	76	1.565	1.565	(0.435)	5932117	200.000	220
27 Methyl Acetate	74	1.961	1.961	(0.545)	296432	200.000	200
22 Methylene Chloride	49	1.858	1.858	(0.516)	2164001	200.000	180
28 MTBE	73	2.022	2.022	(0.562)	5088412	200.000	200
25 trans-1,2-Dichloroethene	96	1.949	1.949	(0.541)	1650460	200.000	210
30 1,1-Dichloroethane	63	2.309	2.309	(0.641)	3191179	200.000	200
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.736)	1709479	200.000	200

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09468.d
 Report Date: 31-Oct-2012 20:16

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ug/L)	ON -COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.077	3.077	(0.854)	288349	200.000	230
42 Chloroform	83	2.845	2.845	(0.790)	2924033	200.000	200
44 Cyclohexane	56	2.790	2.790	(0.775)	3092381	200.000	240
43 1,1,1-Trichloroethane	97	2.985	2.985	(0.829)	2878058	200.000	230
45 Carbon Tetrachloride	117	2.937	2.937	(0.815)	2449347	200.000	230
48 Benzene	78	3.266	3.266	(0.469)	7255744	200.000	220
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.369	3.369	(0.936)	459989	50.0000	50
49 1,2-Dichloroethane	62	3.424	3.424	(0.951)	2458747	200.000	200
* 52 Fluorobenzene	96	3.601	3.601	(1.000)	1080861	50.0000	
54 Trichloroethene	95	3.747	3.747	(1.041)	1934552	200.000	220
56 Methyl cyclohexane	83	3.735	3.735	(1.037)	2681125	200.000	240
57 1,2-Dichloropropane	63	4.199	4.199	(1.166)	1880171	200.000	210
68 Bromodichloromethane	83	4.278	4.278	(1.188)	2546608	200.000	220
67 cis-1,3-Dichloropropene	75	4.918	4.918	(0.707)	3149177	200.000	220
70 4-Methyl-2-Pentanone	43	5.637	5.637	(0.810)	1726502	200.000	200
\$ 65 Toluene-d8 (SUR)	98	5.113	5.113	(0.735)	1468680	50.0000	49
66 Toluene	91	5.168	5.168	(0.742)	8199162	200.000	210
64 trans-1,3-Dichloropropene	75	5.656	5.656	(0.813)	2949523	200.000	220
69 1,1,2-Trichloroethane	83	5.826	5.826	(0.837)	1301499	200.000	210
71 Tetrachloroethene	166	5.589	5.589	(0.803)	2205018	200.000	220
73 2-Hexanone	43	6.686	6.686	(0.961)	1240476	200.000	190
74 Dibromochloromethane	129	6.027	6.027	(0.866)	2064250	200.000	230
77 1,2-Dibromoethane	107	6.271	6.271	(0.901)	1651339	200.000	210
* 78 Chlorobenzene-d5	117	6.960	6.960	(1.000)	1442054	50.0000	
79 Chlorobenzene	112	6.985	6.985	(1.004)	5562289	200.000	210
81 Ethylbenzene	106	7.076	7.076	(1.017)	3098686	200.000	220
82 m+p-Xylene	106	7.296	7.296	(1.048)	7956293	400.000	440
84 o-Xylene	106	7.875	7.875	(1.131)	3659559	200.000	210
85 Styrene	104	7.954	7.954	(1.143)	6362182	200.000	220
86 Bromoform	173	7.923	7.923	(1.138)	1546334	200.000	230
88 Isopropylbenzene	105	8.362	8.362	(1.201)	9264200	200.000	220(A)
\$ 89 Bromofluorobenzene (SUR)	174	8.716	8.716	(0.832)	745649	50.0000	51
92 1,1,2,2-Tetrachloroethane	83	9.124	9.124	(0.871)	1991700	200.000	210
105 1,3-Dichlorobenzene	146	10.344	10.344	(0.987)	4625730	200.000	210
* 108 1,4-Dichlorobenzene-d4	152	10.478	10.478	(1.000)	973250	50.0000	
109 1,4-Dichlorobenzene	146	10.502	10.502	(1.002)	4774582	200.000	210
111 1,2-Dichlorobenzene	146	11.167	11.167	(1.066)	4352368	200.000	210
112 1,2-Dibromo-3-chloropropane	75	12.240	12.240	(1.168)	356944	200.000	210
114 1,2,4-Trichlorobenzene	180	12.977	12.977	(1.239)	2648409	200.000	210
M 120 1,2-Dichloroethene (Total)	100				3359939	400.000	410
M 121 Xylene (Total)	100				11615852	600.000	650

QC Flag Legend

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

Data File: e09468.d

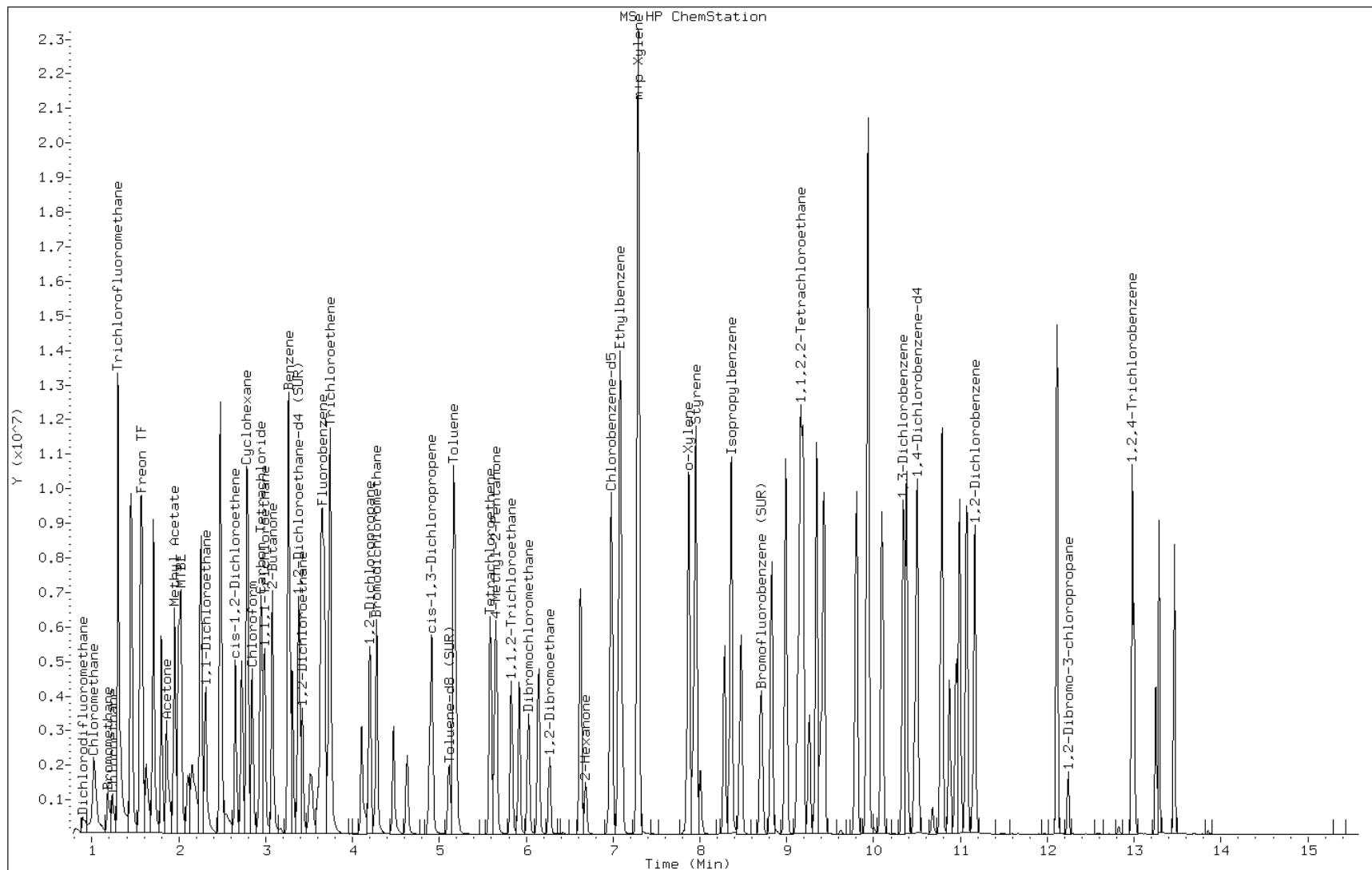
Date: 31-OCT-2012 10:05

Client ID:

Instrument: VOAMS5.i

Sample Info: IC-VM8CAL5

Operator: GC/MS VOAMS5



Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09469.d
 Report Date: 31-Oct-2012 20:16

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09469.d
 Lab Smp Id: IC-VM8CAL6
 Inj Date : 31-OCT-2012 10:28
 Operator : GC/MS VOAMS5
 Smp Info : IC-VM8CAL6
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/8260DE_09.m
 Meth Date : 31-Oct-2012 20:16 martinez
 Cal Date : 31-OCT-2012 09:18
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2

Inst ID: VOAMS5.i
 Quant Type: ISTD
 Cal File: e09466.d
 Calibration Sample, Level: 6
 Compound Sublist: HSLDEL.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====		=====	=====
2 Dichlorodifluoromethane	85	0.888	0.888	(0.247)	3677173		500.000	470
3 Chloromethane	50	1.016	1.016	(0.282)	6335200		500.000	480
4 Vinyl Chloride	62	1.022	1.022	(0.284)	5368838		500.000	490
6 Bromomethane	94	1.175	1.175	(0.326)	3274554		500.000	460
5 Chloroethane	64	1.236	1.236	(0.343)	2782915		500.000	400
7 Trichlorofluoromethane	101	1.297	1.297	(0.360)	5682285		500.000	480
14 Freon TF	101	1.571	1.571	(0.436)	4558450		500.000	560(A)
15 1,1-Dichloroethene	96	1.553	1.553	(0.431)	3750750		500.000	540(A)
16 Acetone	58	1.894	1.894	(0.526)	313977		500.000	430
18 Carbon Disulfide	76	1.565	1.565	(0.435)	15353488		500.000	530(A)
27 Methyl Acetate	74	1.961	1.961	(0.545)	770357		500.000	490
22 Methylene Chloride	49	1.858	1.858	(0.516)	5672174		500.000	460
28 MTBE	73	2.022	2.022	(0.562)	13310302		500.000	500(A)
25 trans-1,2-Dichloroethene	96	1.949	1.949	(0.541)	4587876		500.000	540(A)
30 1,1-Dichloroethane	63	2.309	2.309	(0.641)	8660075		500.000	520(A)
36 cis-1,2-Dichloroethene	96	2.656	2.656	(0.738)	4595333		500.000	510(A)

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09469.d
 Report Date: 31-Oct-2012 20:16

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ug/L)	ON -COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.083	3.083	(0.856)	771219	500.000	570(A)
42 Chloroform	83	2.845	2.845	(0.790)	8025702	500.000	530(A)
44 Cyclohexane	56	2.790	2.790	(0.775)	8531606	500.000	610(A)
43 1,1,1-Trichloroethane	97	2.992	2.992	(0.831)	7794440	500.000	570(A)
45 Carbon Tetrachloride	117	2.937	2.937	(0.815)	6786087	500.000	590(A)
48 Benzene	78	3.266	3.266	(0.468)	18422971	500.000	490
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.370	3.370	(0.936)	510103	50.0000	53
49 1,2-Dichloroethane	62	3.430	3.430	(0.953)	6512289	500.000	520(A)
* 52 Fluorobenzene	96	3.601	3.601	(1.000)	1131047	50.0000	
54 Trichloroethene	95	3.754	3.754	(1.042)	5620853	500.000	590(A)
56 Methyl cyclohexane	83	3.747	3.747	(1.041)	7314679	500.000	600(A)
57 1,2-Dichloropropane	63	4.211	4.211	(1.169)	5252045	500.000	550(A)
68 Bromodichloromethane	83	4.284	4.284	(1.190)	7090757	500.000	570(A)
67 cis-1,3-Dichloropropene	75	4.924	4.924	(0.706)	8969203	500.000	540(A)
70 4-Methyl-2-Pentanone	43	5.650	5.650	(0.810)	4858366	500.000	490
\$ 65 Toluene-d8 (SUR)	98	5.113	5.113	(0.733)	1536739	50.0000	46
66 Toluene	91	5.174	5.174	(0.742)	21268226	500.000	480
64 trans-1,3-Dichloropropene	75	5.668	5.668	(0.813)	8565469	500.000	560(A)
69 1,1,2-Trichloroethane	83	5.839	5.839	(0.837)	3709589	500.000	510(A)
71 Tetrachloroethene	166	5.595	5.595	(0.802)	6273220	500.000	550(A)
73 2-Hexanone	43	6.698	6.698	(0.961)	3258382	500.000	450
74 Dibromochloromethane	129	6.040	6.040	(0.866)	5967812	500.000	560(A)
77 1,2-Dibromoethane	107	6.284	6.284	(0.901)	4669091	500.000	530(A)
* 78 Chlorobenzene-d5	117	6.972	6.972	(1.000)	1640477	50.0000	
79 Chlorobenzene	112	6.997	6.997	(1.003)	15852783	500.000	520(A)
81 Ethylbenzene	106	7.100	7.100	(1.018)	9523530	500.000	580(A)
82 m+p-Xylene	106	7.314	7.314	(1.049)	21653977	1000.00	1000(A)
84 o-Xylene	106	7.887	7.887	(1.131)	10723863	500.000	530(A)
85 Styrene	104	7.972	7.972	(1.143)	17993501	500.000	530(A)
86 Bromoform	173	7.942	7.942	(1.139)	4522517	500.000	570(A)
88 Isopropylbenzene	105	8.375	8.375	(1.201)	23425322	500.000	480(A)
\$ 89 Bromofluorobenzene (SUR)	174	8.728	8.728	(0.832)	798915	50.0000	52
92 1,1,2,2-Tetrachloroethane	83	9.143	9.143	(0.871)	5627268	500.000	560(A)
105 1,3-Dichlorobenzene	146	10.368	10.368	(0.988)	12687766	500.000	540(A)
* 108 1,4-Dichlorobenzene-d4	152	10.496	10.496	(1.000)	1029582	50.0000	
109 1,4-Dichlorobenzene	146	10.527	10.527	(1.003)	12977695	500.000	530(A)
111 1,2-Dichlorobenzene	146	11.191	11.191	(1.066)	11939332	500.000	530(A)
112 1,2-Dibromo-3-chloropropane	75	12.246	12.246	(1.167)	983300	500.000	550(A)
114 1,2,4-Trichlorobenzene	180	12.990	12.990	(1.238)	6894964	500.000	520(A)
M 120 1,2-Dichloroethene (Total)	100				9183209	1000.00	1000
M 121 Xylene (Total)	100				32377840	1500.00	1600

QC Flag Legend

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

Data File: e09469.d

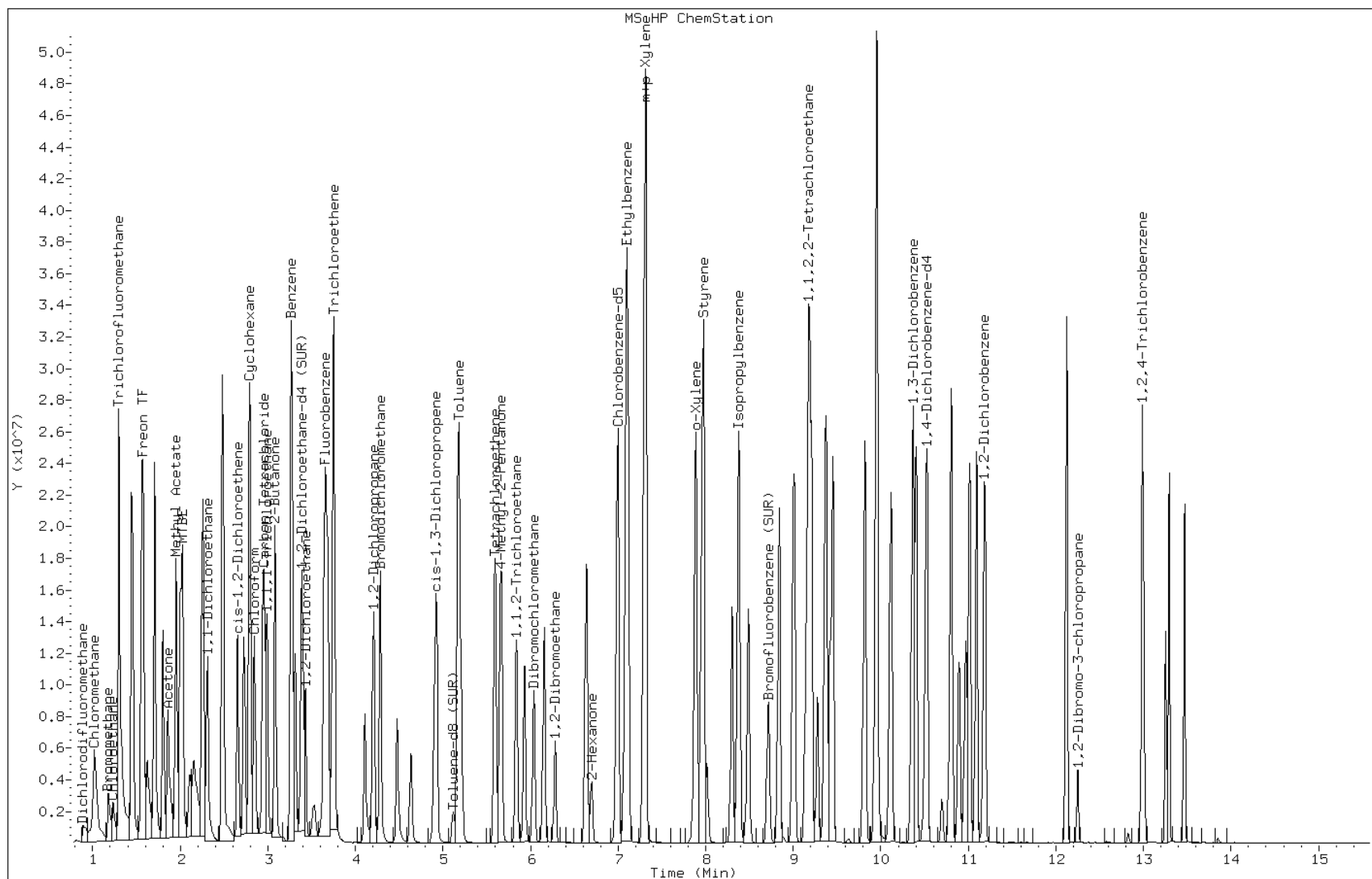
Date: 31-OCT-2012 10:28

Client ID:

Instrument: VOAMS5.i

Sample Info: IC-VM8CAL6

Operator: GC/MS VOAMS5



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Lab Sample ID: CCV 460-134043/14 Calibration Date: 10/31/2012 18:15

Instrument ID: VOAMS5 Calib Start Date: 10/31/2012 08:08

GC Column: Rtx-VMS ID: 0.18 (mm) Calib End Date: 10/31/2012 10:28

Lab File ID: e09489.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3455	0.3737	0.1000	21.6	20.0	8.2	25.0
Chloromethane	Ave	0.5830	0.6408	0.1000	22.0	20.0	9.9	25.0
Vinyl chloride	Ave	0.4803	0.5145	0.1000	21.4	20.0	7.1	25.0
Bromomethane	Ave	0.3148	0.3227	0.1000	20.5	20.0	2.5	25.0
Chloroethane	Ave	0.3039	0.3087	0.1000	20.3	20.0	1.6	25.0
Trichlorofluoromethane	Ave	0.5239	0.6030	0.1000	23.0	20.0	15.1	25.0
1,1-Dichloroethene	Ave	0.3089	0.3201	0.1000	20.7	20.0	3.6	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	LinF	0.3566	0.3965	0.1000	19.6	20.0	-2.0	25.0
Carbon disulfide	Ave	1.269	1.375	0.1000	21.7	20.0	8.3	25.0
Methylene Chloride	Ave	0.5416	0.5902	0.1000	21.8	20.0	9.0	25.0
Acetone	Ave	0.0323	0.0384*	0.1000	23.8	20.0	18.8	25.0
trans-1,2-Dichloroethene	Ave	0.3717	0.3850	0.1000	20.7	20.0	3.6	25.0
Methyl acetate	Ave	0.0693	0.0823*	0.1000	23.7	20.0	18.7	25.0
Methyl tert-butyl ether	Ave	1.164	1.262	0.1000	21.7	20.0	8.4	25.0
1,1-Dichloroethane	Ave	0.7409	0.7741	0.1000	20.9	20.0	4.5	25.0
cis-1,2-Dichloroethene	Ave	0.3952	0.4208	0.1000	21.3	20.0	6.5	25.0
Cyclohexane	LinF	0.6219	0.7032	0.1000	18.8	20.0	-6.1	25.0
Chloroform	Ave	0.6660	0.7111	0.1000	21.4	20.0	6.8	25.0
Carbon tetrachloride	Ave	0.5114	0.4961	0.1000	19.4	20.0	-3.0	25.0
1,1,1-Trichloroethane	LinF	0.6012	0.6189	0.1000	18.1	20.0	-9.7	25.0
2-Butanone (MEK)	LinF	0.0597	0.0668*	0.1000	19.7	20.0	-1.7	25.0
Benzene	Ave	1.155	1.202	0.1000	20.8	20.0	4.1	25.0
1,2-Dichloroethane	Ave	0.5570	0.6087	0.1000	21.9	20.0	9.3	25.0
Methylcyclohexane	LinF	0.5414	0.5991	0.1000	18.6	20.0	-6.8	25.0
Trichloroethene	Ave	0.4229	0.4299	0.1000	20.3	20.0	1.7	25.0
1,2-Dichloropropane	Ave	0.4246	0.4458	0.1000	21.0	20.0	5.0	25.0
Dichlorobromomethane	Ave	0.5502	0.5693	0.1000	20.7	20.0	3.5	25.0
cis-1,3-Dichloropropene	Ave	0.5046	0.5156	0.1000	20.4	20.0	2.2	25.0
Toluene	Ave	1.343	1.375	0.1000	20.5	20.0	2.3	25.0
Tetrachloroethene	LinF	0.3495	0.3294	0.1000	17.2	20.0	-13.9	25.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2992	0.3118	0.1000	20.8	20.0	4.2	25.0
trans-1,3-Dichloropropene	Ave	0.4653	0.4728	0.1000	20.3	20.0	1.6	25.0
1,1,2-Trichloroethane	Ave	0.2197	0.2316	0.1000	21.1	20.0	5.4	25.0
Chlorodibromomethane	Ave	0.3234	0.3368	0.1000	20.8	20.0	4.2	25.0
1,2-Dibromoethane	Ave	0.2705	0.2958	0.1000	21.9	20.0	9.3	25.0
2-Hexanone	Ave	0.2204	0.2485	0.1000	22.5	20.0	12.7	25.0
Chlorobenzene	Ave	0.9370	0.9461	0.1000	20.2	20.0	1.0	25.0
Ethylbenzene	Ave	0.5028	0.4811	0.1000	19.1	20.0	-4.3	25.0
m-Xylene & p-Xylene	Ave	0.6311	0.6114	0.1000	38.8	40.0	-3.1	25.0
o-Xylene	Ave	0.6120	0.6116	0.1000	20.0	20.0	-0.0	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Lab Sample ID: CCV 460-134043/14 Calibration Date: 10/31/2012 18:15
 Instrument ID: VOAMS5 Calib Start Date: 10/31/2012 08:08
 GC Column: Rtx-VMS ID: 0.18 (mm) Calib End Date: 10/31/2012 10:28
 Lab File ID: e09489.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bromoform	LinF	0.2402	0.2531	0.1000	18.4	20.0	-7.8	25.0
Styrene	Ave	1.034	1.069	0.1000	20.7	20.0	3.4	25.0
Isopropylbenzene	LinF	1.473	1.448	0.1000	19.9	20.0	-0.6	25.0
1,1,2,2-Tetrachloroethane	Ave	0.4920	0.5120	0.1000	20.8	20.0	4.1	25.0
1,3-Dichlorobenzene	Ave	1.136	1.103	0.1000	19.4	20.0	-2.9	25.0
1,4-Dichlorobenzene	Ave	1.190	1.159	0.1000	19.5	20.0	-2.6	25.0
1,2-Dichlorobenzene	Ave	1.086	1.085	0.1000	20.0	20.0	-0.0	25.0
1,2-Dibromo-3-Chloropropane	Ave	0.0873	0.0980*	0.1000	22.4	20.0	12.2	25.0
1,2,4-Trichlorobenzene	Ave	0.6452	0.6297	0.1000	19.5	20.0	-2.4	25.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.4259	0.4292	0.1000	50.4	50.0	0.8	25.0
Toluene-d8 (Surr)	Ave	1.019	1.042	0.1000	51.1	50.0	2.2	25.0
4-Bromofluorobenzene	Ave	0.7523	0.7428	0.1000	49.4	50.0	-1.3	25.0

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09489.d
 Report Date: 31-Oct-2012 22:01

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09489.d
 Lab Smp Id: CCV
 Inj Date : 31-OCT-2012 18:15
 Operator : GC/MS VOAMS5
 Smp Info : CCV
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/8260DE_09.m
 Meth Date : 31-Oct-2012 22:01 martinez Quant Type: ISTD
 Cal Date : 31-OCT-2012 18:15 Cal File: e09489.d
 Als bottle: 28 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.894	0.894	(0.249)	131649	20.0000	22
3 Chloromethane	50	1.016	1.016	(0.283)	225756	20.0000	22
4 Vinyl Chloride	62	1.022	1.022	(0.284)	181251	20.0000	21
6 Bromomethane	94	1.175	1.175	(0.327)	113690	20.0000	20
5 Chloroethane	64	1.236	1.236	(0.344)	108750	20.0000	20
7 Trichlorofluoromethane	101	1.297	1.297	(0.361)	212443	20.0000	23
14 Freon TF	101	1.565	1.565	(0.435)	139674	20.0000	20
15 1,1-Dichloroethene	96	1.547	1.547	(0.430)	112775	20.0000	21
16 Acetone	58	1.894	1.894	(0.527)	13529	20.0000	24
18 Carbon Disulfide	76	1.565	1.565	(0.435)	484521	20.0000	22
27 Methyl Acetate	74	1.961	1.961	(0.546)	28988	20.0000	24
22 Methylene Chloride	49	1.858	1.858	(0.517)	207929	20.0000	22
28 MTBE	73	2.022	2.022	(0.562)	444666	20.0000	22
25 trans-1,2-Dichloroethene	96	1.943	1.943	(0.540)	135621	20.0000	21
30 1,1-Dichloroethane	63	2.303	2.303	(0.640)	272733	20.0000	21
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.737)	148261	20.0000	21

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09489.d
 Report Date: 31-Oct-2012 22:01

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.071	3.071	(0.854)	23542	20.0000	20
42 Chloroform	83	2.839	2.839	(0.790)	250517	20.0000	21
44 Cyclohexane	56	2.778	2.778	(0.773)	247760	20.0000	19
43 1,1,1-Trichloroethane	97	2.979	2.979	(0.829)	218050	20.0000	18
45 Carbon Tetrachloride	117	2.931	2.931	(0.815)	174797	20.0000	19
48 Benzene	78	3.254	3.254	(0.468)	592891	20.0000	21
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.357	3.357	(0.934)	378091	50.0000	50
49 1,2-Dichloroethane	62	3.412	3.412	(0.949)	214466	20.0000	22
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	880776	50.0000	
54 Trichloroethene	95	3.735	3.735	(1.039)	151469	20.0000	20
56 Methyl cyclohexane	83	3.729	3.729	(1.037)	211081	20.0000	19
57 1,2-Dichloropropane	63	4.192	4.192	(1.166)	157053	20.0000	21
68 Bromodichloromethane	83	4.272	4.272	(1.188)	200580	20.0000	21
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.705)	254319	20.0000	20
70 4-Methyl-2-Pentanone	43	5.625	5.625	(0.809)	153819	20.0000	21
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	1285335	50.0000	51
66 Toluene	91	5.162	5.162	(0.742)	678166	20.0000	20
64 trans-1,3-Dichloropropene	75	5.650	5.650	(0.812)	233222	20.0000	20
69 1,1,2-Trichloroethane	83	5.820	5.820	(0.837)	114241	20.0000	21
71 Tetrachloroethene	166	5.582	5.582	(0.803)	162476	20.0000	17
73 2-Hexanone	43	6.680	6.680	(0.961)	122589	20.0000	22
74 Dibromochloromethane	129	6.015	6.015	(0.865)	166149	20.0000	21
77 1,2-Dibromoethane	107	6.259	6.259	(0.900)	145899	20.0000	22
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	1233178	50.0000	
79 Chlorobenzene	112	6.972	6.972	(1.003)	466703	20.0000	20
81 Ethylbenzene	106	7.064	7.064	(1.016)	237291	20.0000	19
82 m+p-Xylene	106	7.277	7.277	(1.046)	603155	40.0000	39
84 o-Xylene	106	7.856	7.856	(1.130)	301669	20.0000	20
85 Styrene	104	7.942	7.942	(1.142)	527391	20.0000	21
86 Bromoform	173	7.911	7.911	(1.138)	124842	20.0000	18
88 Isopropylbenzene	105	8.344	8.344	(1.200)	714449	20.0000	20
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	658525	50.0000	49
92 1,1,2,2-Tetrachloroethane	83	9.112	9.112	(0.871)	181559	20.0000	21
105 1,3-Dichlorobenzene	146	10.325	10.325	(0.987)	391138	20.0000	19
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	886480	50.0000	
109 1,4-Dichlorobenzene	146	10.490	10.490	(1.002)	411055	20.0000	19
111 1,2-Dichlorobenzene	146	11.148	11.148	(1.065)	384880	20.0000	20
112 1,2-Dibromo-3-chloropropane	75	12.234	12.234	(1.169)	34741	20.0000	22
114 1,2,4-Trichlorobenzene	180	12.971	12.971	(1.239)	223284	20.0000	20
M 120 1,2-Dichloroethene (Total)	100				283882	40.0000	42
M 121 Xylene (Total)	100				904824	60.0000	59

Data File: e09489.d

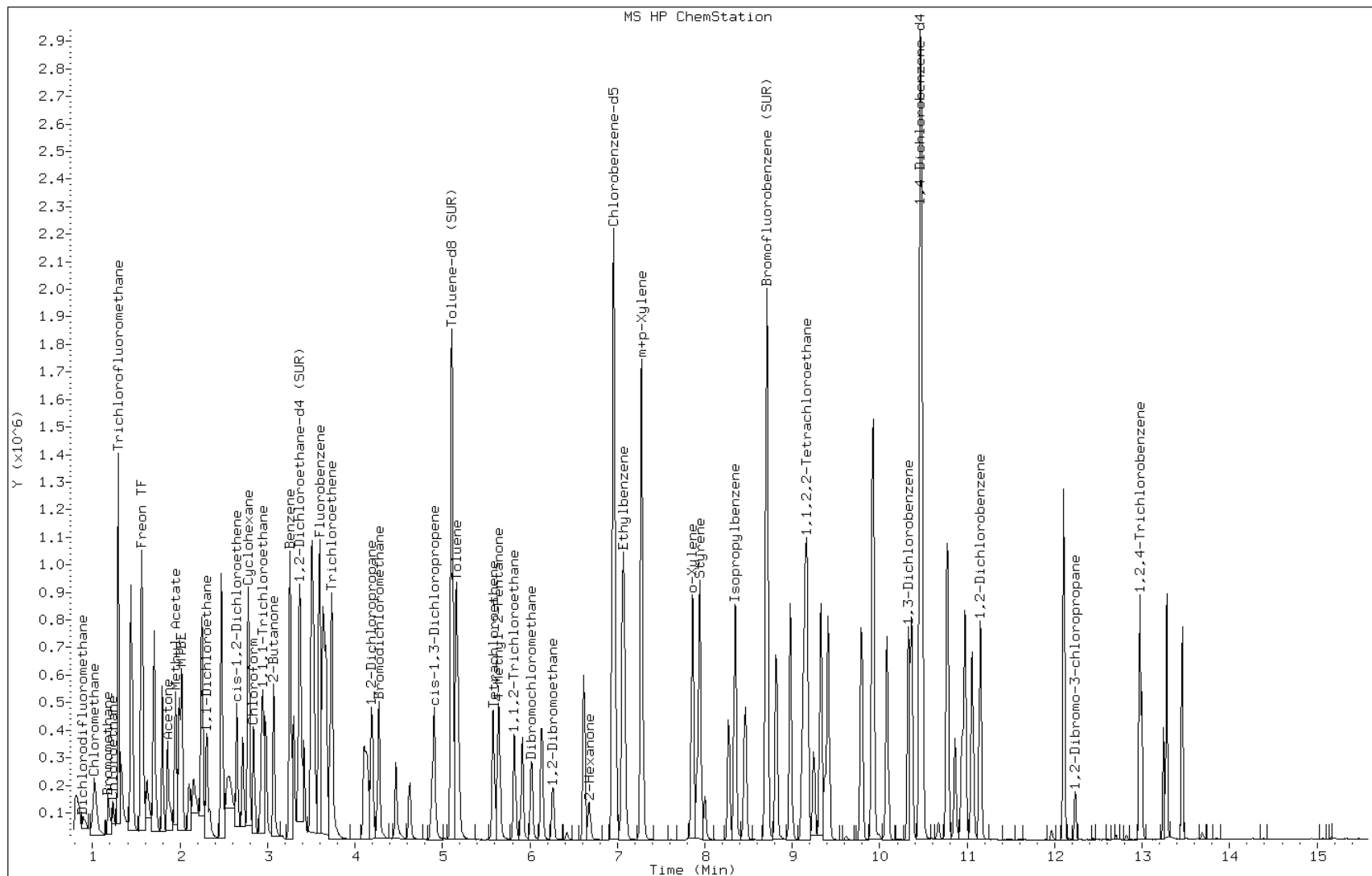
Date: 31-OCT-2012 18:15

Client ID:

Instrument: VOAMS5.i

Sample Info: CCV

Operator: GC/MS VOAMS5



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Lab Sample ID: CCVIS 460-134044/2 Calibration Date: 10/31/2012 20:54

Instrument ID: VOAMS5 Calib Start Date: 10/31/2012 08:08

GC Column: Rtx-VMS ID: 0.18 (mm) Calib End Date: 10/31/2012 10:28

Lab File ID: e09491.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3455	0.3230	0.1000	18.7	20.0	-6.5	25.0
Chloromethane	Ave	0.5830	0.5291	0.1000	18.1	20.0	-9.3	25.0
Vinyl chloride	Ave	0.4803	0.4299	0.1000	17.9	20.0	-10.5	25.0
Bromomethane	Ave	0.3148	0.2840	0.1000	18.0	20.0	-9.8	25.0
Chloroethane	Ave	0.3039	0.2624	0.1000	17.3	20.0	-13.6	25.0
Trichlorofluoromethane	Ave	0.5239	0.4880	0.1000	18.6	20.0	-6.9	25.0
1,1-Dichloroethene	Ave	0.3089	0.3242	0.1000	21.0	20.0	4.9	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	LinF	0.3566	0.3407	0.1000	16.8	20.0	-15.8	25.0
Carbon disulfide	Ave	1.269	1.153	0.1000	18.2	20.0	-9.2	25.0
Methylene Chloride	Ave	0.5416	0.5894	0.1000	21.8	20.0	8.8	25.0
Acetone	Ave	0.0323	0.0334*	0.1000	20.7	20.0	3.4	25.0
trans-1,2-Dichloroethene	Ave	0.3717	0.3709	0.1000	20.0	20.0	-0.2	25.0
Methyl acetate	Ave	0.0693	0.0620*	0.1000	17.9	20.0	-10.5	25.0
Methyl tert-butyl ether	Ave	1.164	1.029	0.1000	17.7	20.0	-11.6	25.0
1,1-Dichloroethane	Ave	0.7409	0.7669	0.1000	20.7	20.0	3.5	25.0
cis-1,2-Dichloroethene	Ave	0.3952	0.4060	0.1000	20.5	20.0	2.7	25.0
Cyclohexane	LinF	0.6219	0.5806	0.1000	15.5	20.0	-22.5	25.0
Chloroform	Ave	0.6660	0.7001	0.1000	21.0	20.0	5.1	25.0
Carbon tetrachloride	Ave	0.5114	0.5063	0.1000	19.8	20.0	-1.0	25.0
1,1,1-Trichloroethane	LinF	0.6012	0.5877	0.1000	17.1	20.0	-14.3	25.0
2-Butanone (MEK)	LinF	0.0597	0.0616*	0.1000	18.1	20.0	-9.4	25.0
Benzene	Ave	1.155	1.206	0.1000	20.9	20.0	4.4	25.0
1,2-Dichloroethane	Ave	0.5570	0.5387	0.1000	19.3	20.0	-3.3	25.0
Methylcyclohexane	LinF	0.5414	0.5378	0.1000	16.7	20.0	-16.4	25.0
Trichloroethene	Ave	0.4229	0.4090	0.1000	19.3	20.0	-3.3	25.0
1,2-Dichloropropane	Ave	0.4246	0.4265	0.1000	20.1	20.0	0.5	25.0
Dichlorobromomethane	Ave	0.5502	0.5426	0.1000	19.7	20.0	-1.4	25.0
cis-1,3-Dichloropropene	Ave	0.5046	0.5081	0.1000	20.1	20.0	0.7	25.0
Toluene	Ave	1.343	1.387	0.1000	20.6	20.0	3.2	25.0
Tetrachloroethene	LinF	0.3495	0.3574	0.1000	18.7	20.0	-6.5	25.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2992	0.2602	0.1000	17.4	20.0	-13.1	25.0
trans-1,3-Dichloropropene	Ave	0.4653	0.4608	0.1000	19.8	20.0	-1.0	25.0
1,1,2-Trichloroethane	Ave	0.2197	0.2149	0.1000	19.6	20.0	-2.2	25.0
Chlorodibromomethane	Ave	0.3234	0.3139	0.1000	19.4	20.0	-2.9	25.0
1,2-Dibromoethane	Ave	0.2705	0.2686	0.1000	19.9	20.0	-0.7	25.0
2-Hexanone	Ave	0.2204	0.1957	0.1000	17.8	20.0	-11.2	25.0
Chlorobenzene	Ave	0.9370	0.9209	0.1000	19.7	20.0	-1.7	25.0
Ethylbenzene	Ave	0.5028	0.4999	0.1000	19.9	20.0	-0.6	25.0
m-Xylene & p-Xylene	Ave	0.6311	0.6384	0.1000	40.5	40.0	1.2	25.0
o-Xylene	Ave	0.6120	0.6139	0.1000	20.1	20.0	0.3	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-134044/2 Calibration Date: 10/31/2012 20:54
 Instrument ID: VOAMS5 Calib Start Date: 10/31/2012 08:08
 GC Column: Rtx-VMS ID: 0.18 (mm) Calib End Date: 10/31/2012 10:28
 Lab File ID: e09491.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bromoform	LinF	0.2402	0.2235	0.1000	16.3	20.0	-18.6	25.0
Styrene	Ave	1.034	1.029	0.1000	19.9	20.0	-0.5	25.0
Isopropylbenzene	LinF	1.473	1.548	0.1000	21.2	20.0	6.2	25.0
1,1,2,2-Tetrachloroethane	Ave	0.4920	0.4677	0.1000	19.0	20.0	-4.9	25.0
1,3-Dichlorobenzene	Ave	1.136	1.125	0.1000	19.8	20.0	-1.0	25.0
1,4-Dichlorobenzene	Ave	1.190	1.180	0.1000	19.8	20.0	-0.9	25.0
1,2-Dichlorobenzene	Ave	1.086	1.071	0.1000	19.7	20.0	-1.3	25.0
1,2-Dibromo-3-Chloropropane	Ave	0.0873	0.0834*	0.1000	19.1	20.0	-4.5	25.0
1,2,4-Trichlorobenzene	Ave	0.6452	0.6883	0.1000	21.3	20.0	6.7	25.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.4259	0.4165	0.1000	48.9	50.0	-2.2	25.0
Toluene-d8 (Surr)	Ave	1.019	1.039	0.1000	51.0	50.0	1.9	25.0
4-Bromofluorobenzene	Ave	0.7523	0.7349	0.1000	48.9	50.0	-2.3	25.0

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09491.d
 Report Date: 31-Oct-2012 20:57

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09491.d
 Lab Smp Id: CCVIS
 Inj Date : 31-OCT-2012 20:54
 Operator : GC/MS VOAMS5
 Smp Info : CCVIS
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/8260DE_09.m
 Meth Date : 31-Oct-2012 20:57 martinez Quant Type: ISTD
 Cal Date : 31-OCT-2012 20:54 Cal File: e09491.d
 Als bottle: 1 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.894	0.894	(0.249)	116367	20.0000	19
3 Chloromethane	50	1.016	1.016	(0.283)	190612	20.0000	18
4 Vinyl Chloride	62	1.022	1.022	(0.284)	154897	20.0000	18
6 Bromomethane	94	1.181	1.181	(0.328)	102325	20.0000	18
5 Chloroethane	64	1.236	1.236	(0.344)	94556	20.0000	17
7 Trichlorofluoromethane	101	1.297	1.297	(0.361)	175822	20.0000	19
14 Freon TF	101	1.565	1.565	(0.435)	122759	20.0000	17
15 1,1-Dichloroethene	96	1.547	1.547	(0.430)	116807	20.0000	21
16 Acetone	58	1.894	1.894	(0.527)	12045	20.0000	21
18 Carbon Disulfide	76	1.565	1.565	(0.435)	415399	20.0000	18
27 Methyl Acetate	74	1.961	1.961	(0.546)	22353	20.0000	18
22 Methylene Chloride	49	1.858	1.858	(0.517)	212351	20.0000	22
28 MTBE	73	2.016	2.016	(0.561)	370878	20.0000	18
25 trans-1,2-Dichloroethene	96	1.943	1.943	(0.540)	133634	20.0000	20
30 1,1-Dichloroethane	63	2.303	2.303	(0.640)	276320	20.0000	21
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.737)	146270	20.0000	20

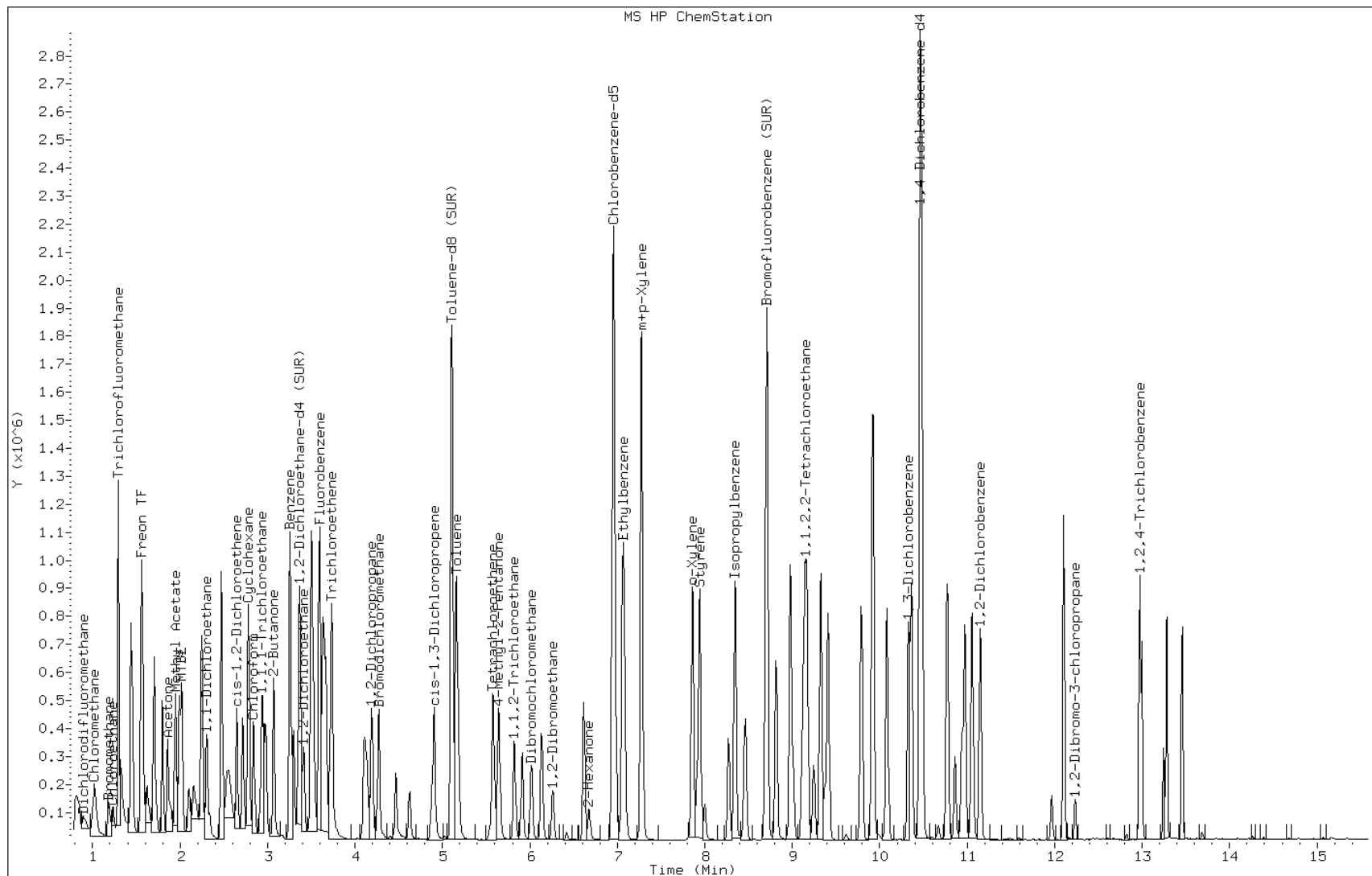
Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09491.d
 Report Date: 31-Oct-2012 20:57

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.071	3.071	(0.854)	22180	20.0000	18
42 Chloroform	83	2.839	2.839	(0.790)	252231	20.0000	21
44 Cyclohexane	56	2.784	2.784	(0.774)	209192	20.0000	16
43 1,1,1-Trichloroethane	97	2.979	2.979	(0.829)	211757	20.0000	17
45 Carbon Tetrachloride	117	2.931	2.931	(0.815)	182408	20.0000	20
48 Benzene	78	3.260	3.260	(0.469)	588385	20.0000	21
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.357	3.357	(0.934)	375184	50.0000	49
49 1,2-Dichloroethane	62	3.412	3.412	(0.949)	194105	20.0000	19
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	900728	50.0000	
54 Trichloroethene	95	3.735	3.735	(1.039)	147340	20.0000	19
56 Methyl cyclohexane	83	3.729	3.729	(1.037)	193759	20.0000	17
57 1,2-Dichloropropane	63	4.193	4.193	(1.166)	153669	20.0000	20
68 Bromodichloromethane	83	4.272	4.272	(1.188)	195489	20.0000	20
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.705)	247889	20.0000	20
70 4-Methyl-2-Pentanone	43	5.625	5.625	(0.809)	126935	20.0000	17
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	1267509	50.0000	51
66 Toluene	91	5.162	5.162	(0.742)	676685	20.0000	21
64 trans-1,3-Dichloropropene	75	5.650	5.650	(0.812)	224839	20.0000	20
69 1,1,2-Trichloroethane	83	5.820	5.820	(0.837)	104840	20.0000	20
71 Tetrachloroethene	166	5.583	5.583	(0.803)	174385	20.0000	19
73 2-Hexanone	43	6.674	6.674	(0.960)	95472	20.0000	18
74 Dibromochloromethane	129	6.015	6.015	(0.865)	153170	20.0000	19
77 1,2-Dibromoethane	107	6.259	6.259	(0.900)	131036	20.0000	20
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	1219766	50.0000	
79 Chlorobenzene	112	6.972	6.972	(1.003)	449316	20.0000	20
81 Ethylbenzene	106	7.064	7.064	(1.016)	243898	20.0000	20
82 m+p-Xylene	106	7.277	7.277	(1.046)	622996	40.0000	40
84 o-Xylene	106	7.856	7.856	(1.130)	299505	20.0000	20
85 Styrene	104	7.942	7.942	(1.142)	502107	20.0000	20
86 Bromoform	173	7.911	7.911	(1.138)	109026	20.0000	16
88 Isopropylbenzene	105	8.344	8.344	(1.200)	755317	20.0000	21
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	631387	50.0000	49
92 1,1,2,2-Tetrachloroethane	83	9.112	9.112	(0.871)	160711	20.0000	19
105 1,3-Dichlorobenzene	146	10.325	10.325	(0.987)	386422	20.0000	20
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	859051	50.0000	
109 1,4-Dichlorobenzene	146	10.490	10.490	(1.002)	405453	20.0000	20(H)
111 1,2-Dichlorobenzene	146	11.149	11.149	(1.065)	368080	20.0000	20
112 1,2-Dibromo-3-chloropropane	75	12.234	12.234	(1.169)	28649	20.0000	19
114 1,2,4-Trichlorobenzene	180	12.971	12.971	(1.239)	236528	20.0000	21
M 120 1,2-Dichloroethene (Total)	100				279904	40.0000	40
M 121 Xylene (Total)	100				922501	60.0000	60

QC Flag Legend

H - Operator selected an alternate compound hit.

Operator: GC/MS VOAMS5



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Lab Sample ID: CCV 460-134044/12 Calibration Date: 11/01/2012 04:32

Instrument ID: VOAMS5 Calib Start Date: 10/31/2012 08:08

GC Column: Rtx-VMS ID: 0.18 (mm) Calib End Date: 10/31/2012 10:28

Lab File ID: e09507.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3455	0.3798	0.1000	22.0	20.0	9.9	25.0
Chloromethane	Ave	0.5830	0.6377	0.1000	21.9	20.0	9.4	25.0
Vinyl chloride	Ave	0.4803	0.5145	0.1000	21.4	20.0	7.1	25.0
Bromomethane	Ave	0.3148	0.3283	0.1000	20.9	20.0	4.3	25.0
Chloroethane	Ave	0.3039	0.3166	0.1000	20.8	20.0	4.2	25.0
Trichlorofluoromethane	Ave	0.5239	0.5642	0.1000	21.5	20.0	7.7	25.0
1,1-Dichloroethene	Ave	0.3089	0.3429	0.1000	22.2	20.0	11.0	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	LinF	0.3566	0.4126	0.1000	20.4	20.0	2.0	25.0
Carbon disulfide	Ave	1.269	1.444	0.1000	22.8	20.0	13.8	25.0
Methylene Chloride	Ave	0.5416	0.6526	0.1000	24.1	20.0	20.5	25.0
Acetone	Ave	0.0323	0.0417*	0.1000	25.8	20.0	29.0*	25.0
trans-1,2-Dichloroethene	Ave	0.3717	0.4068	0.1000	21.9	20.0	9.4	25.0
Methyl acetate	Ave	0.0693	0.0872*	0.1000	25.2	20.0	25.8*	25.0
Methyl tert-butyl ether	Ave	1.164	1.320	0.1000	22.7	20.0	13.4	25.0
1,1-Dichloroethane	Ave	0.7409	0.8679	0.1000	23.4	20.0	17.1	25.0
cis-1,2-Dichloroethene	Ave	0.3952	0.4445	0.1000	22.5	20.0	12.5	25.0
Cyclohexane	LinF	0.6219	0.7279	0.1000	19.4	20.0	-2.8	25.0
Chloroform	Ave	0.6660	0.7761	0.1000	23.3	20.0	16.5	25.0
Carbon tetrachloride	Ave	0.5114	0.5439	0.1000	21.3	20.0	6.4	25.0
1,1,1-Trichloroethane	LinF	0.6012	0.6686	0.1000	19.5	20.0	-2.5	25.0
2-Butanone (MEK)	LinF	0.0597	0.0772*	0.1000	22.7	20.0	13.5	25.0
Benzene	Ave	1.155	1.230	0.1000	21.3	20.0	6.5	25.0
1,2-Dichloroethane	Ave	0.5570	0.6260	0.1000	22.5	20.0	12.4	25.0
Methylcyclohexane	LinF	0.5414	0.6451	0.1000	20.1	20.0	0.3	25.0
Trichloroethene	Ave	0.4229	0.4644	0.1000	22.0	20.0	9.8	25.0
1,2-Dichloropropane	Ave	0.4246	0.4726	0.1000	22.3	20.0	11.3	25.0
Dichlorobromomethane	Ave	0.5502	0.5944	0.1000	21.6	20.0	8.0	25.0
cis-1,3-Dichloropropene	Ave	0.5046	0.5156	0.1000	20.4	20.0	2.2	25.0
Toluene	Ave	1.343	1.457	0.1000	21.7	20.0	8.5	25.0
Tetrachloroethene	LinF	0.3495	0.3773	0.1000	19.7	20.0	-1.3	25.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2992	0.3274	0.1000	21.9	20.0	9.4	25.0
trans-1,3-Dichloropropene	Ave	0.4653	0.4731	0.1000	20.3	20.0	1.7	25.0
1,1,2-Trichloroethane	Ave	0.2197	0.2252	0.1000	20.5	20.0	2.5	25.0
Chlorodibromomethane	Ave	0.3234	0.3312	0.1000	20.5	20.0	2.4	25.0
1,2-Dibromoethane	Ave	0.2705	0.2893	0.1000	21.4	20.0	6.9	25.0
2-Hexanone	Ave	0.2204	0.2577	0.1000	23.4	20.0	16.9	25.0
Chlorobenzene	Ave	0.9370	0.9889	0.1000	21.1	20.0	5.5	25.0
Ethylbenzene	Ave	0.5028	0.5265	0.1000	20.9	20.0	4.7	25.0
m-Xylene & p-Xylene	Ave	0.6311	0.6751	0.1000	42.8	40.0	7.0	25.0
o-Xylene	Ave	0.6120	0.6571	0.1000	21.5	20.0	7.4	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Lab Sample ID: CCV 460-134044/12 Calibration Date: 11/01/2012 04:32
 Instrument ID: VOAMS5 Calib Start Date: 10/31/2012 08:08
 GC Column: Rtx-VMS ID: 0.18 (mm) Calib End Date: 10/31/2012 10:28
 Lab File ID: e09507.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bromoform	LinF	0.2402	0.2398	0.1000	17.5	20.0	-12.6	25.0
Styrene	Ave	1.034	1.107	0.1000	21.4	20.0	7.0	25.0
Isopropylbenzene	LinF	1.473	1.658	0.1000	22.7	20.0	13.7	25.0
1,1,2,2-Tetrachloroethane	Ave	0.4920	0.5034	0.1000	20.5	20.0	2.3	25.0
1,3-Dichlorobenzene	Ave	1.136	1.201	0.1000	21.2	20.0	5.8	25.0
1,4-Dichlorobenzene	Ave	1.190	1.240	0.1000	20.8	20.0	4.2	25.0
1,2-Dichlorobenzene	Ave	1.086	1.134	0.1000	20.9	20.0	4.5	25.0
1,2-Dibromo-3-Chloropropane	Ave	0.0873	0.0903*	0.1000	20.7	20.0	3.3	25.0
1,2,4-Trichlorobenzene	Ave	0.6452	0.6954	0.1000	21.6	20.0	7.8	25.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.4259	0.4333	0.1000	50.9	50.0	1.7	25.0
Toluene-d8 (Surr)	Ave	1.019	1.041	0.1000	51.0	50.0	2.1	25.0
4-Bromofluorobenzene	Ave	0.7523	0.7470	0.1000	49.7	50.0	-0.7	25.0

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09507.d
 Report Date: 01-Nov-2012 05:10

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09507.d
 Lab Smp Id: CCV
 Inj Date : 01-NOV-2012 04:32
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : CCV
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/8260DE_09.m
 Meth Date : 01-Nov-2012 05:10 audberto Quant Type: ISTD
 Cal Date : 01-NOV-2012 04:32 Cal File: e09507.d
 Als bottle: 17 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.888	0.888	(0.247)	129260	20.0000	22
3 Chloromethane	50	1.010	1.010	(0.281)	217014	20.0000	22
4 Vinyl Chloride	62	1.022	1.022	(0.284)	175070	20.0000	21
6 Bromomethane	94	1.175	1.175	(0.327)	111733	20.0000	21
5 Chloroethane	64	1.230	1.230	(0.342)	107735	20.0000	21
7 Trichlorofluoromethane	101	1.297	1.297	(0.361)	192001	20.0000	22
14 Freon TF	101	1.565	1.565	(0.435)	140405	20.0000	20
15 1,1-Dichloroethene	96	1.547	1.547	(0.430)	116702	20.0000	22
16 Acetone	58	1.894	1.894	(0.527)	14188	20.0000	26
18 Carbon Disulfide	76	1.565	1.565	(0.435)	491541	20.0000	23
27 Methyl Acetate	74	1.961	1.961	(0.546)	29659	20.0000	25
22 Methylene Chloride	49	1.857	1.857	(0.517)	222080	20.0000	24
28 MTBE	73	2.022	2.022	(0.562)	449170	20.0000	23
25 trans-1,2-Dichloroethene	96	1.943	1.943	(0.540)	138431	20.0000	22
30 1,1-Dichloroethane	63	2.302	2.302	(0.640)	295356	20.0000	23
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.737)	151268	20.0000	22

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09507.d
 Report Date: 01-Nov-2012 05:10

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.071	3.071	(0.854)	26255	20.0000	23
42 Chloroform	83	2.839	2.839	(0.790)	264103	20.0000	23
44 Cyclohexane	56	2.778	2.778	(0.773)	247690	20.0000	19
43 1,1,1-Trichloroethane	97	2.979	2.979	(0.829)	227513	20.0000	20
45 Carbon Tetrachloride	117	2.930	2.930	(0.815)	185104	20.0000	21
48 Benzene	78	3.260	3.260	(0.469)	605458	20.0000	21
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363	(0.936)	368694	50.0000	51
49 1,2-Dichloroethane	62	3.412	3.412	(0.949)	213030	20.0000	22
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	850759	50.0000	
54 Trichloroethene	95	3.735	3.735	(1.039)	158024	20.0000	22
56 Methyl cyclohexane	83	3.729	3.729	(1.037)	219533	20.0000	20
57 1,2-Dichloropropane	63	4.192	4.192	(1.166)	160836	20.0000	22
68 Bromodichloromethane	83	4.272	4.272	(1.188)	202281	20.0000	22
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.705)	253810	20.0000	20
70 4-Methyl-2-Pentanone	43	5.625	5.625	(0.809)	161191	20.0000	22
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	1280885	50.0000	51
66 Toluene	91	5.162	5.162	(0.742)	717387	20.0000	22
64 trans-1,3-Dichloropropene	75	5.649	5.649	(0.812)	232871	20.0000	20
69 1,1,2-Trichloroethane	83	5.820	5.820	(0.837)	110854	20.0000	20
71 Tetrachloroethene	166	5.582	5.582	(0.803)	185727	20.0000	20
73 2-Hexanone	43	6.680	6.680	(0.961)	126855	20.0000	23
74 Dibromochloromethane	129	6.015	6.015	(0.865)	163020	20.0000	20
77 1,2-Dibromoethane	107	6.259	6.259	(0.900)	142408	20.0000	21
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	1230675	50.0000	
79 Chlorobenzene	112	6.972	6.972	(1.003)	486794	20.0000	21
81 Ethylbenzene	106	7.064	7.064	(1.016)	259200	20.0000	21
82 m+p-Xylene	106	7.277	7.277	(1.046)	664638	40.0000	43
84 o-Xylene	106	7.862	7.862	(1.131)	323446	20.0000	21
85 Styrene	104	7.942	7.942	(1.142)	544741	20.0000	21
86 Bromoform	173	7.911	7.911	(1.138)	118040	20.0000	17
88 Isopropylbenzene	105	8.344	8.344	(1.200)	816035	20.0000	23
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	645277	50.0000	50
92 1,1,2,2-Tetrachloroethane	83	9.112	9.112	(0.871)	173917	20.0000	20
105 1,3-Dichlorobenzene	146	10.325	10.325	(0.987)	415034	20.0000	21
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	863700	50.0000	
109 1,4-Dichlorobenzene	146	10.490	10.490	(1.002)	428566	20.0000	21
111 1,2-Dichlorobenzene	146	11.148	11.148	(1.065)	391923	20.0000	21
112 1,2-Dibromo-3-chloropropane	75	12.233	12.233	(1.169)	31178	20.0000	21
114 1,2,4-Trichlorobenzene	180	12.971	12.971	(1.239)	240248	20.0000	22
M 120 1,2-Dichloroethene (Total)	100				289700	40.0000	44
M 121 Xylene (Total)	100				988085	60.0000	64

Data File: e09507.d

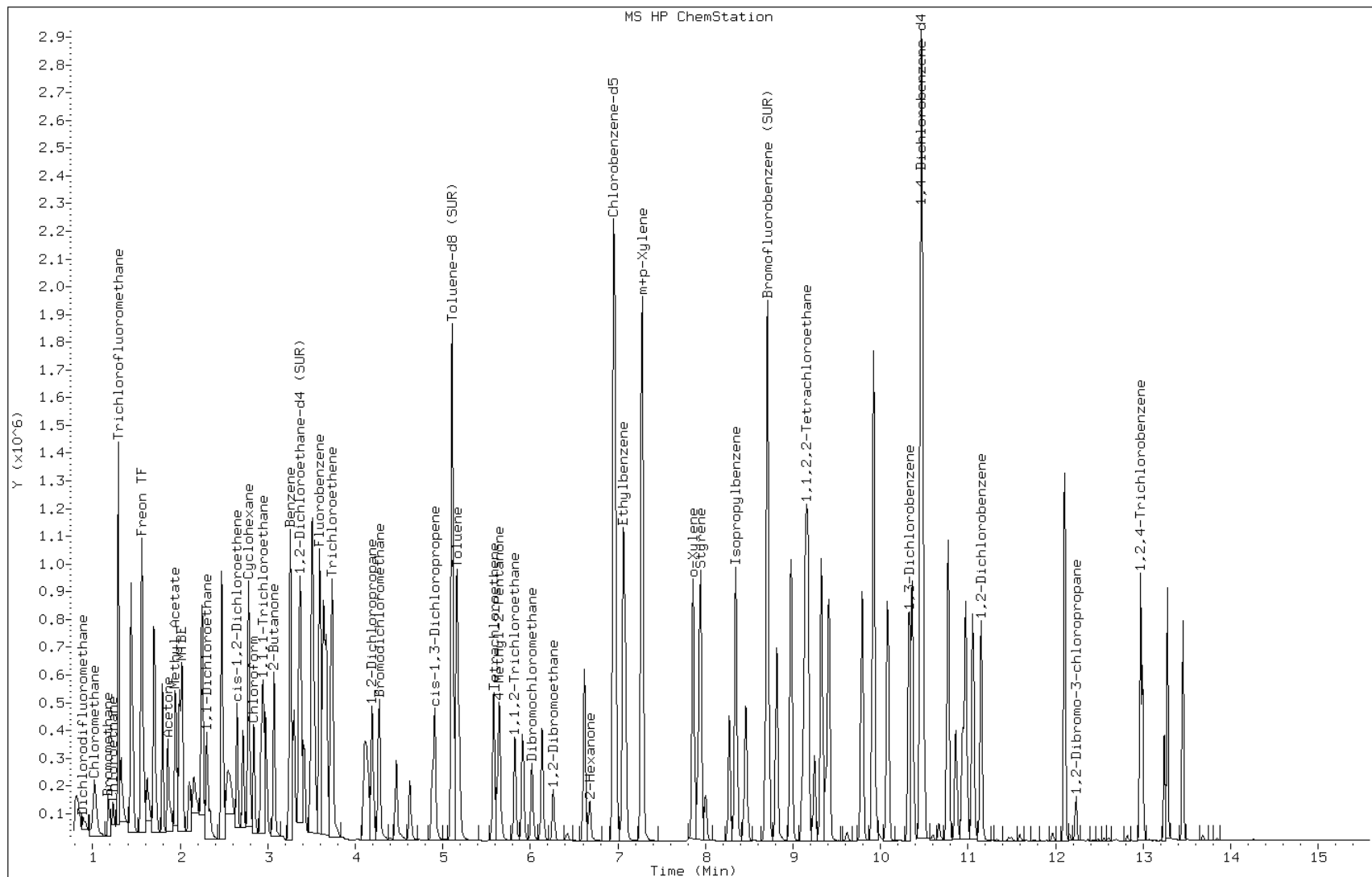
Date: 01-NOV-2012 04:32

Client ID:

Instrument: VOAMS5.i

Sample Info: CCV

Operator: GC/MS VOAMS5



Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09461.d
 Report Date: 31-Oct-2012 20:07

TestAmerica

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09461.d
 Lab Smp Id: BFB
 Inj Date : 31-OCT-2012 07:30
 Operator : VOAMS 1
 Smp Info : BFB
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/BFBDEL.m
 Meth Date : 27-Feb-2012 15:08 sylvanus
 Cal Date :
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd2
 Inst ID: VOAMS5.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	
2.352	2.600 (0.000)	95	272128			0.00- 100.00	100.00
2.352	2.600 (0.000)	50	59336			15.00- 40.00	21.80
2.352	2.600 (0.000)	75	139712			30.00- 60.00	51.34
2.352	2.600 (0.000)	96	17088			5.00- 9.00	6.28
2.352	2.600 (0.000)	173	2809			0.00- 2.00	1.14
2.352	2.600 (0.000)	174	247424			50.00- 100.00	90.92
2.352	2.600 (0.000)	175	20024			5.00- 9.00	8.09
2.352	2.600 (0.000)	176	239872			95.00- 101.00	96.95
2.352	2.600 (0.000)	177	14256			5.00- 9.00	5.94

Data File: e09461.d

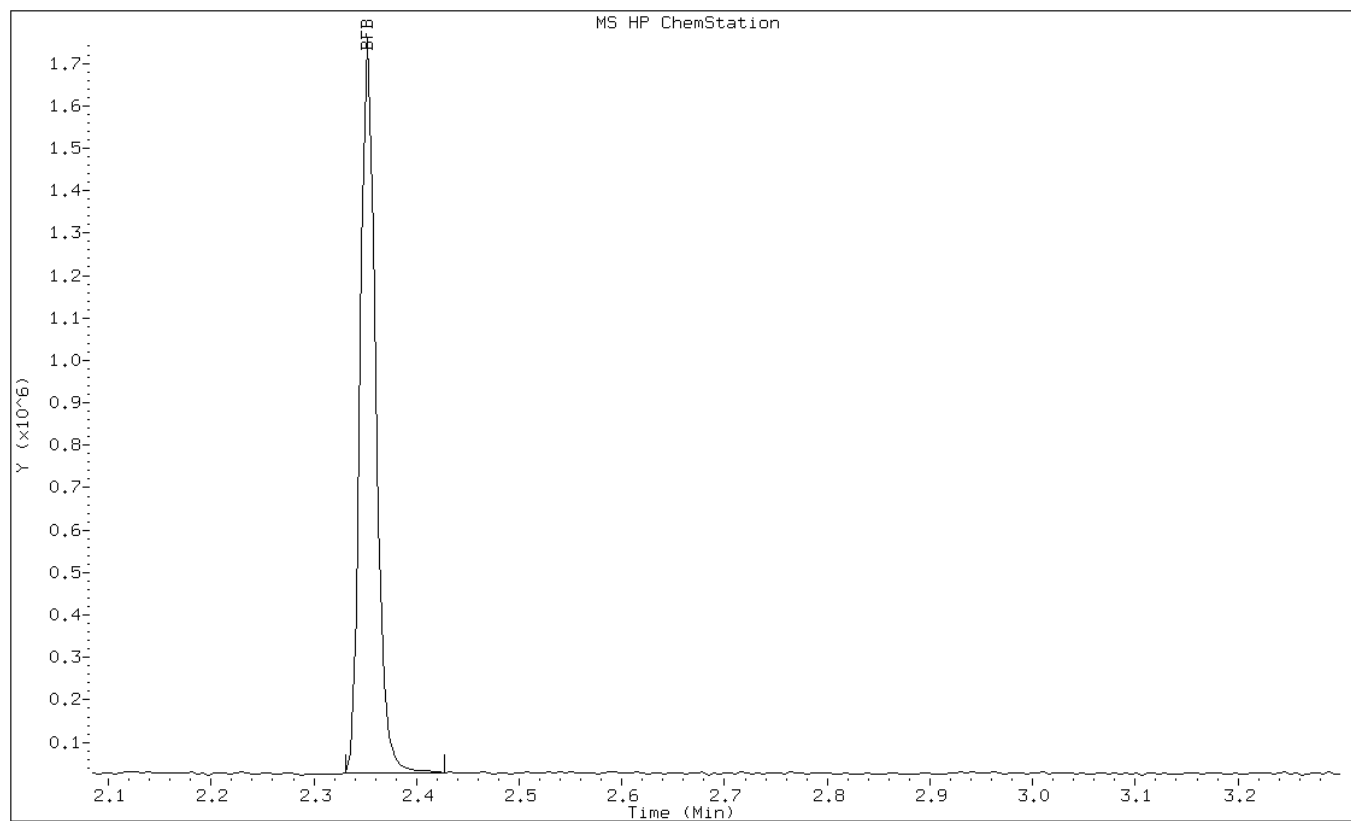
Date: 31-OCT-2012 07:30

Client ID:

Instrument: VOAMS5.i

Sample Info: BFB

Operator: VOAMS 1



Data File: e09461.d

Date: 31-OCT-2012 07:30

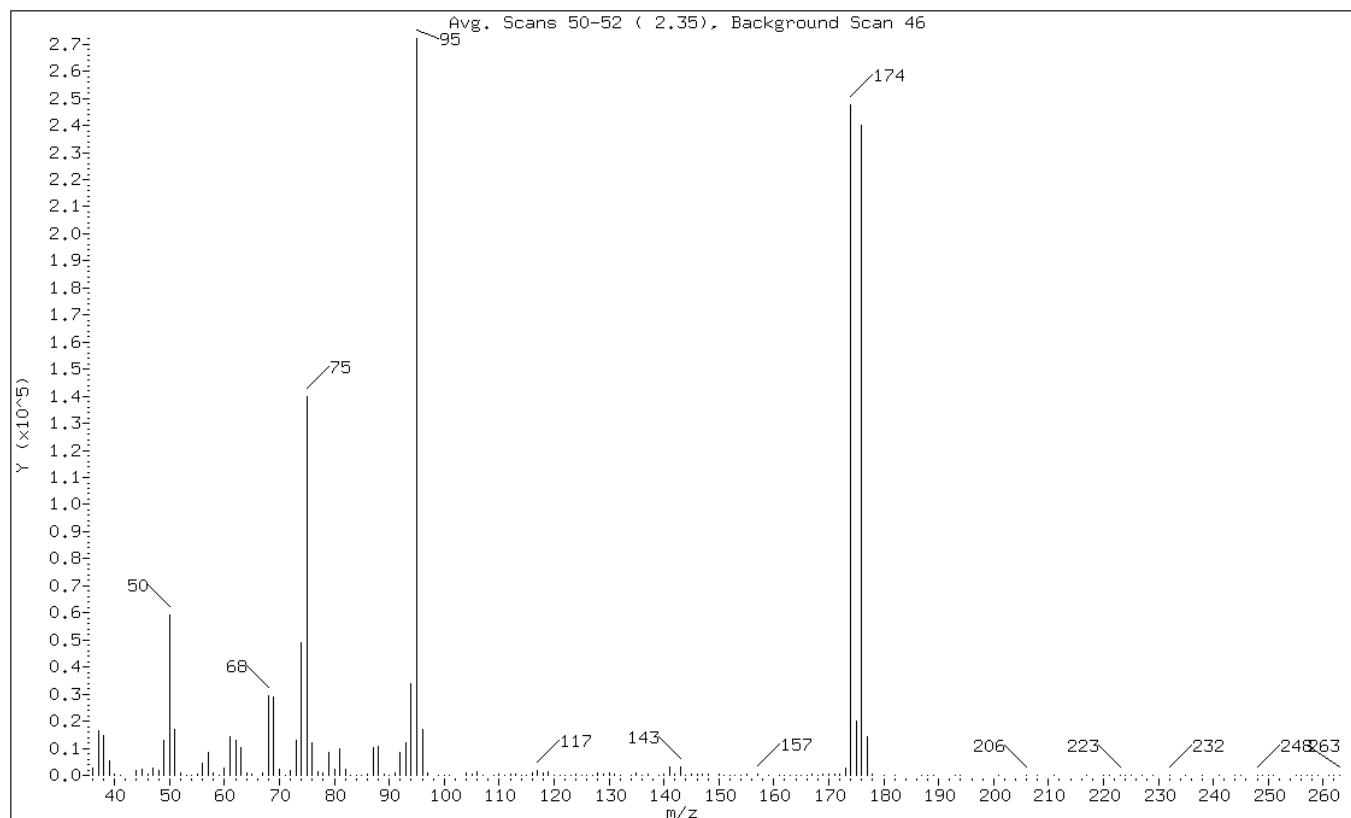
Client ID:

Instrument: VOAMS5.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	21.80
75	30.00 - 60.00% of mass 95	51.34
96	5.00 - 9.00% of mass 95	6.28
173	Less than 2.00% of mass 174	1.03 (1.14)
174	50.00 - 100.00% of mass 95	90.92
175	5.00 - 9.00% of mass 174	7.36 (8.09)
176	95.00 - 101.00% of mass 174	88.15 (96.95)
177	5.00 - 9.00% of mass 176	5.24 (5.94)

Data File: e09461.d

Date: 31-OCT-2012 07:30

Client ID:

Instrument: VOAMS5.i

Sample Info: BFB

Operator: VOAMS 1

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09461.d
Spectrum: Avg. Scans 50-52 (2.35), Background Scan 46
Location of Maximum: 95.00
Number of points: 167

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2549	81.00	9999	127.00	63	175.00	20024
37.00	16350	82.00	2111	128.00	1031	176.00	239872
38.00	14479	83.00	75	129.00	597	177.00	14256
39.00	5401	84.00	122	130.00	1090	178.00	291
40.00	488	85.00	83	131.00	448	180.00	34
41.00	116	86.00	384	132.00	62	182.00	70
44.00	1824	87.00	10465	134.00	46	187.00	73
45.00	2215	88.00	10634	135.00	748	188.00	38
46.00	253	89.00	291	136.00	44	189.00	43
47.00	2577	90.00	33	137.00	668	193.00	39
48.00	1734	91.00	972	139.00	162	194.00	93
49.00	12873	92.00	8409	140.00	427	201.00	86
50.00	59336	93.00	12120	141.00	2912	206.00	205
51.00	16776	94.00	33656	142.00	318	208.00	49
52.00	911	95.00	272128	143.00	2929	211.00	37
53.00	20	96.00	17088	144.00	172	217.00	42
54.00	207	97.00	749	145.00	365	220.00	34
55.00	474	99.00	51	146.00	394	221.00	89
56.00	4663	100.00	41	147.00	316	223.00	111
57.00	8595	101.00	109	148.00	558	224.00	102
58.00	693	104.00	924	150.00	383	225.00	36
59.00	90	105.00	546	151.00	72	227.00	62
60.00	2561	106.00	1194	152.00	152	229.00	82
61.00	14079	107.00	200	153.00	143	232.00	84
62.00	12894	109.00	85	154.00	163	235.00	42
63.00	10208	110.00	301	155.00	576	238.00	40
64.00	910	111.00	103	157.00	607	241.00	35
65.00	418	112.00	236	159.00	215	244.00	34
67.00	1037	113.00	321	161.00	163	245.00	46
68.00	29344	114.00	51	162.00	49	248.00	98
69.00	29096	115.00	190	163.00	58	249.00	37
70.00	2423	116.00	1014	164.00	119	250.00	37
71.00	126	117.00	1643	165.00	76	251.00	42
72.00	1875	118.00	1064	166.00	66	255.00	36
73.00	12853	119.00	1267	167.00	225	256.00	59
74.00	48904	120.00	50	168.00	34	257.00	47
75.00	139712	121.00	69	169.00	244	258.00	68
76.00	11867	122.00	74	170.00	225	259.00	40
77.00	1431	123.00	162	171.00	417	261.00	39
78.00	923	124.00	320	172.00	530	262.00	37

	79.00	8298		125.00	171		173.00	2809		263.00	56	
	80.00	2419		126.00	137		174.00	247424				
+	-----	+	-----	+	-----	+	-----	+	-----	+	-----	+

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09490.d
 Report Date: 31-Oct-2012 20:53

TestAmerica

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09490.d
 Lab Smp Id: BFB
 Inj Date : 31-OCT-2012 20:32
 Operator : VOAMS 1 Inst ID: VOAMS5.i
 Smp Info : BFB
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/BFBDEL.m
 Meth Date : 27-Feb-2012 15:08 sylvanus Quant Type: ISTD
 Cal Date : Cal File:
 Als bottle: 2 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: WATER
 Processing Host: hpd2

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS							
RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS		TARGET RANGE	RATIO
				ON-COL	FINAL		
			(ug/L)	(ug/L)			
==	=====	=====	=====	=====	=====	=====	=====
1 BFB					CAS #: 460-00-4		
2.325	2.600 (0.000)	95	83440			0.00- 100.00	100.00
2.325	2.600 (0.000)	50	19904			15.00- 40.00	23.85
2.325	2.600 (0.000)	75	45488			30.00- 60.00	54.52
2.325	2.600 (0.000)	96	5472			5.00- 9.00	6.56
2.325	2.600 (0.000)	173	1010			0.00- 2.00	1.45
2.325	2.600 (0.000)	174	69688			50.00- 100.00	83.52
2.325	2.600 (0.000)	175	5509			5.00- 9.00	7.91
2.325	2.600 (0.000)	176	67896			95.00- 101.00	97.43
2.325	2.600 (0.000)	177	4872			5.00- 9.00	7.18

Data File: e09490.d

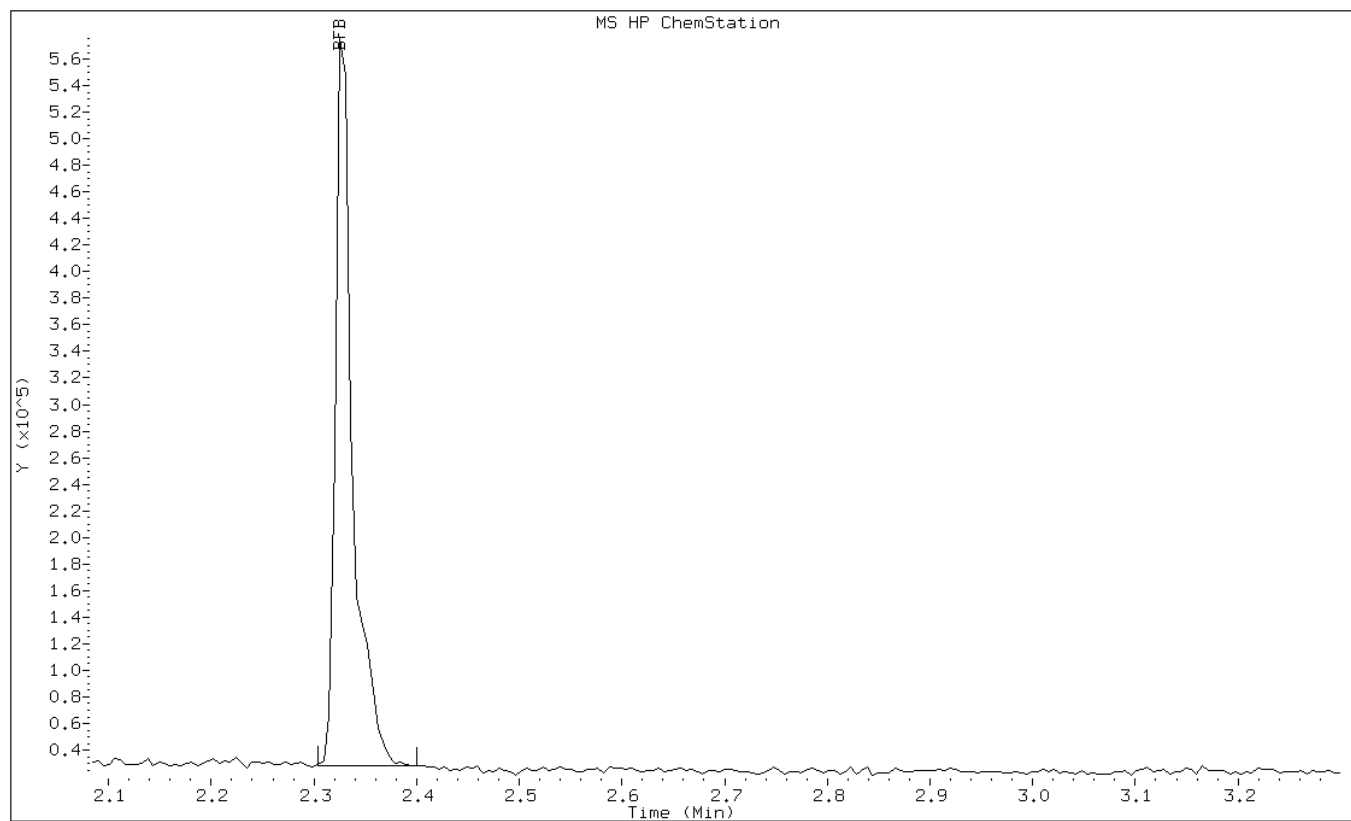
Date: 31-OCT-2012 20:32

Client ID:

Instrument: VOAMS5.i

Sample Info: BFB

Operator: VOAMS 1



Data File: e09490.d

Date: 31-OCT-2012 20:32

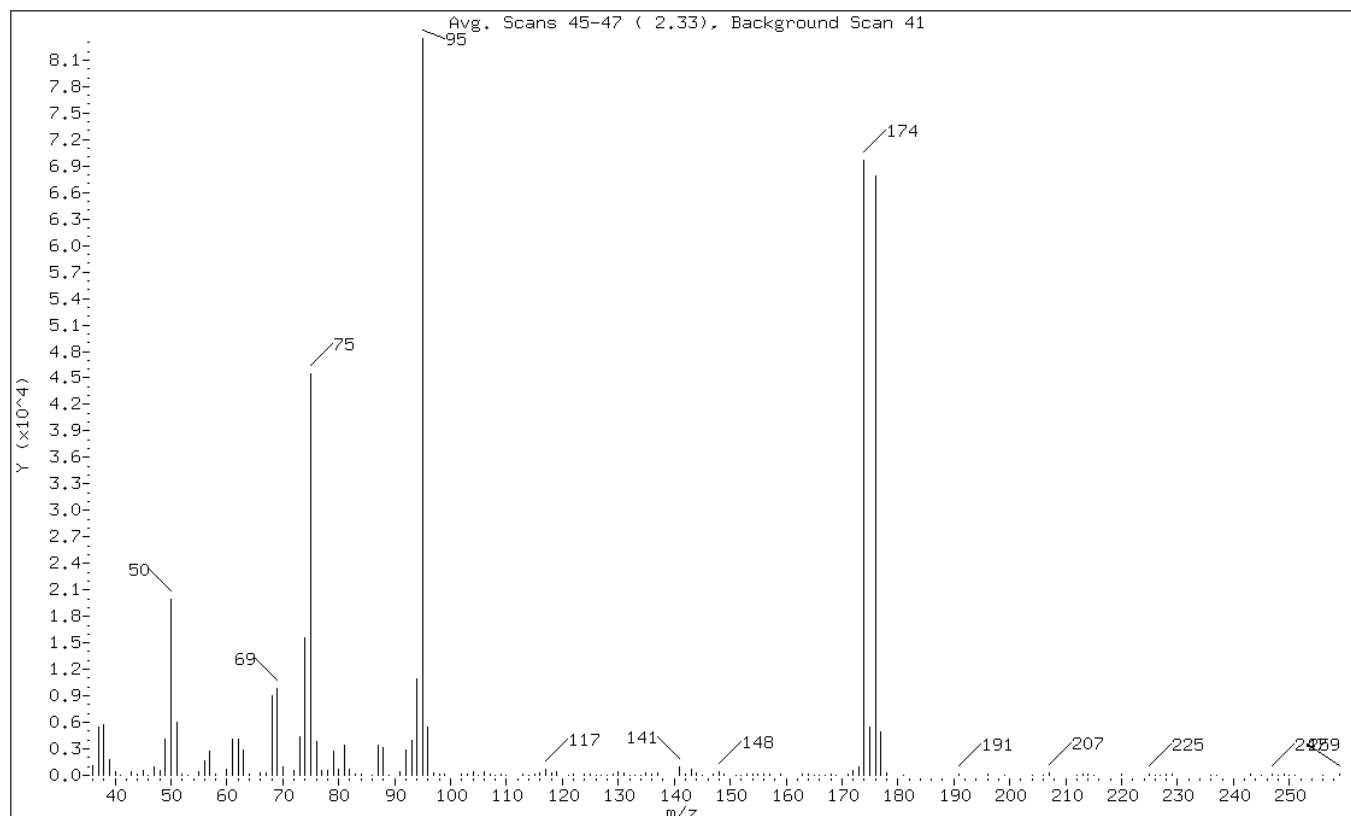
Client ID:

Instrument: VOAMS5.i

Sample Info: BFB

Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.85
75	30.00 - 60.00% of mass 95	54.52
96	5.00 - 9.00% of mass 95	6.56
173	Less than 2.00% of mass 174	1.21 (1.45)
174	50.00 - 100.00% of mass 95	83.52
175	5.00 - 9.00% of mass 174	6.60 (7.91)
176	95.00 - 101.00% of mass 174	81.37 (97.43)
177	5.00 - 9.00% of mass 176	5.84 (7.18)

Data File: e09490.d

Date: 31-OCT-2012 20:32

Client ID:

Instrument: VOAMS5.i

Sample Info: BFB

Operator: VOAMS 1

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09490.d
Spectrum: Avg. Scans 45-47 (2.33), Background Scan 41
Location of Maximum: 95.00
Number of points: 148

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1047	79.00	2679	125.00	202	173.00	1010
37.00	5397	80.00	657	126.00	15	174.00	69688
38.00	5757	81.00	3355	127.00	57	175.00	5509
39.00	1760	82.00	712	128.00	16	176.00	67896
40.00	474	83.00	142	129.00	101	177.00	4872
41.00	67	84.00	117	130.00	446	178.00	233
43.00	460	86.00	59	131.00	299	181.00	44
44.00	133	87.00	3346	132.00	11	191.00	121
45.00	550	88.00	3073	133.00	4	196.00	75
46.00	33	89.00	59	134.00	39	199.00	53
47.00	988	91.00	381	135.00	296	204.00	44
48.00	536	92.00	2918	136.00	76	206.00	55
49.00	4116	93.00	3969	137.00	218	207.00	324
50.00	19904	94.00	10970	141.00	917	212.00	62
51.00	6020	95.00	83440	142.00	76	213.00	83
52.00	193	96.00	5472	143.00	644	214.00	131
53.00	27	97.00	219	144.00	237	215.00	46
55.00	358	98.00	89	145.00	15	220.00	121
56.00	1579	99.00	123	147.00	98	225.00	143
57.00	2770	102.00	88	148.00	379	226.00	46
58.00	84	103.00	195	149.00	149	227.00	50
60.00	618	104.00	421	151.00	62	228.00	70
61.00	4085	105.00	63	152.00	64	229.00	87
62.00	4141	106.00	422	153.00	122	236.00	51
63.00	2839	107.00	97	154.00	122	237.00	38
64.00	164	108.00	57	155.00	144	243.00	75
66.00	298	109.00	129	156.00	165	245.00	37
67.00	245	110.00	18	157.00	91	247.00	111
68.00	9045	113.00	146	159.00	154	248.00	50
69.00	9864	114.00	63	163.00	70	249.00	87
70.00	912	115.00	177	164.00	83	250.00	41
72.00	533	116.00	290	165.00	67	251.00	55
73.00	4373	117.00	647	166.00	49	256.00	34
74.00	15558	118.00	235	167.00	48	259.00	182
75.00	45488	119.00	476	168.00	136		
76.00	3797	121.00	43	169.00	48		
77.00	482	122.00	105	171.00	133		
78.00	510	124.00	83	172.00	496		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-134043/9

Matrix: Water Lab File ID: e09479.d

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 14:22

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)

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

Analysis Batch No.: 134043 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.060	U	1.0	0.060
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.10	U	1.0	0.10
75-01-4	Vinyl chloride	0.14	U	1.0	0.14
74-83-9	Bromomethane	0.18	U	1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	0.40	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	0.21	U	1.0	0.21
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.090	U	1.0	0.090
78-87-5	1,2-Dichloropropane	0.090	U	1.0	0.090
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	1.0	0.080
67-64-1	Acetone	2.7	U	5.0	2.7
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
79-20-9	Methyl acetate	0.34	U	2.0	0.34
75-09-2	Methylene Chloride	0.18	U	1.0	0.18
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
124-48-1	Chlorodibromomethane	0.20	U	1.0	0.20
1634-04-4	Methyl tert-butyl ether	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.17	U	1.0	0.17
75-34-3	1,1-Dichloroethane	0.13	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.18	U	1.0	0.18
78-93-3	2-Butanone (MEK)	2.3	U	5.0	2.3
67-66-3	Chloroform	0.080	U	1.0	0.080
100-41-4	Ethylbenzene	0.10	U	1.0	0.10
110-82-7	Cyclohexane	0.16	U	1.0	0.16
56-23-5	Carbon tetrachloride	0.060	U	1.0	0.060
71-43-2	Benzene	0.080	U	1.0	0.080
107-06-2	1,2-Dichloroethane	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.090	U	1.0	0.090
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14
75-27-4	Dichlorobromomethane	0.12	U	1.0	0.12
10061-01-5	cis-1,3-Dichloropropene	0.18	U	1.0	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	5.0	0.99
108-88-3	Toluene	0.15	U	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	0.24	U	1.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-134043/9
 Matrix: Water Lab File ID: e09479.d
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 14:22
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 134043 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	0.19	U	1.0	0.19
127-18-4	Tetrachloroethene	0.10	U	1.0	0.10
591-78-6	2-Hexanone	0.50	U	5.0	0.50
106-93-4	1,2-Dibromoethane	0.28	U	1.0	0.28
108-90-7	Chlorobenzene	0.11	U	1.0	0.11
1330-20-7	Xylenes, Total	0.36	U	3.0	0.36
100-42-5	Styrene	0.12	U	1.0	0.12
75-25-2	Bromoform	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.080	U	1.0	0.080
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.0	0.16
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
106-46-7	1,4-Dichlorobenzene	0.23	U	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	0.34	U	1.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		70-130
460-00-4	4-Bromofluorobenzene	100		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-134043/9
Matrix: Water Lab File ID: e09479.d
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 14:22
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 134043 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09479.d
 Report Date: 01-Nov-2012 09:29

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09479.d
 Lab Smp Id: MB
 Inj Date : 31-OCT-2012 14:22
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : MB
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/8260DE_09.m
 Meth Date : 01-Nov-2012 09:27 maryb Quant Type: ISTD
 Cal Date : 31-OCT-2012 09:18 Cal File: e09466.d
 Als bottle: 18
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/L)	FINAL (ug/L)
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363	(0.936)	394028	53.4590	53	
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	887774	50.0000		
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	1272612	50.6864	51	
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	1207308	50.0000		
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	632056	50.0418	50	
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.465	(1.000)	844324	50.0000		

Data File: e09479.d

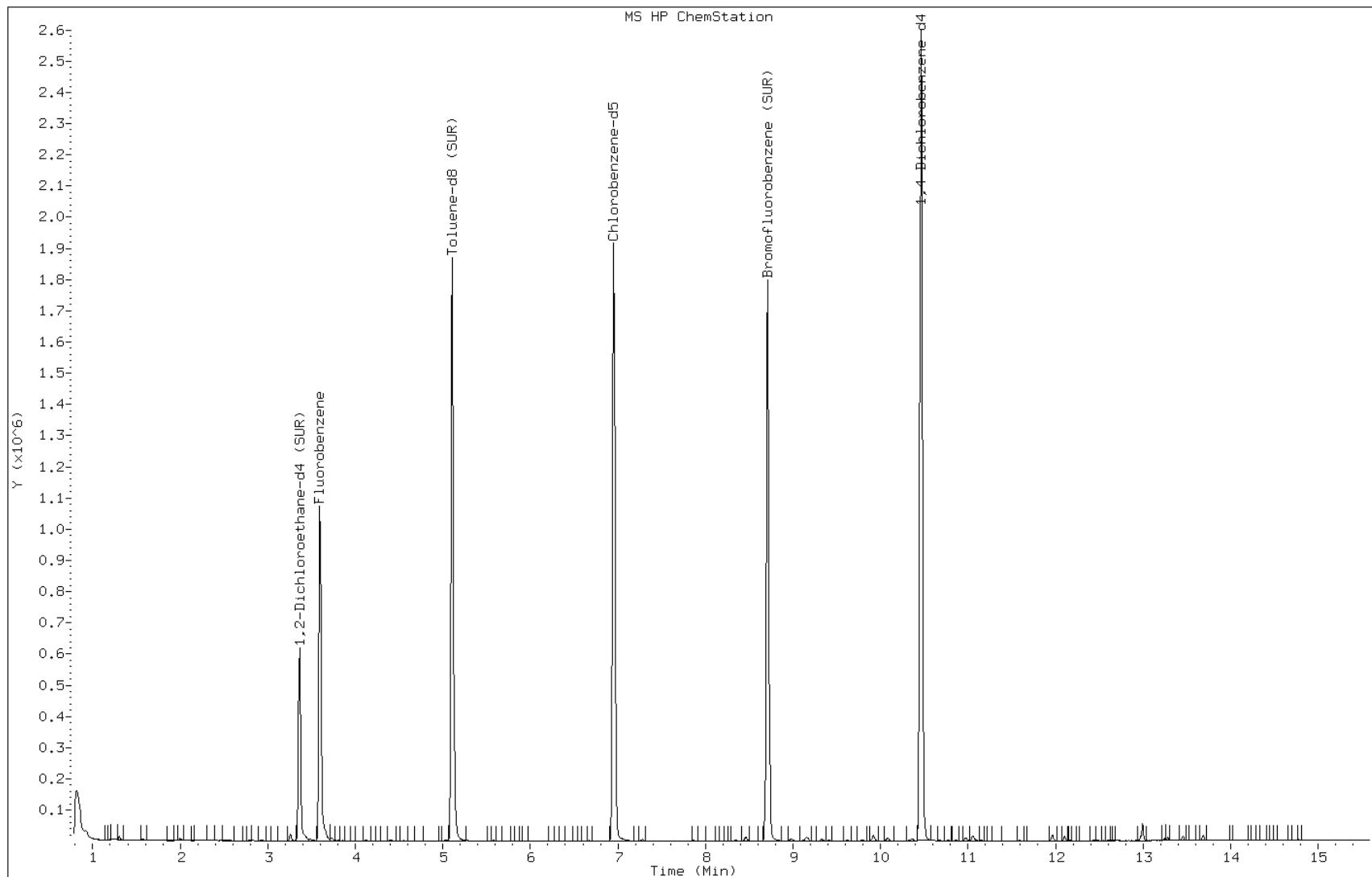
Date: 31-OCT-2012 14:22

Client ID:

Instrument: VOAMS5.i

Sample Info: MB

Operator: GC/MS VOAMS5



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-134044/5

Matrix: Water Lab File ID: e09496.d

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 11/01/2012 00:15

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)

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

Analysis Batch No.: 134044 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.060	U	1.0	0.060
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.10	U	1.0	0.10
75-01-4	Vinyl chloride	0.14	U	1.0	0.14
74-83-9	Bromomethane	0.18	U	1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	0.40	U	1.0	0.40
95-50-1	1,2-Dichlorobenzene	0.21	U	1.0	0.21
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.090	U	1.0	0.090
78-87-5	1,2-Dichloropropane	0.090	U	1.0	0.090
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	U	1.0	0.080
67-64-1	Acetone	2.7	U	5.0	2.7
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
79-20-9	Methyl acetate	0.34	U	2.0	0.34
75-09-2	Methylene Chloride	0.18	U	1.0	0.18
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
124-48-1	Chlorodibromomethane	0.20	U	1.0	0.20
1634-04-4	Methyl tert-butyl ether	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.17	U	1.0	0.17
75-34-3	1,1-Dichloroethane	0.13	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.18	U	1.0	0.18
78-93-3	2-Butanone (MEK)	2.3	U	5.0	2.3
67-66-3	Chloroform	0.080	U	1.0	0.080
100-41-4	Ethylbenzene	0.10	U	1.0	0.10
110-82-7	Cyclohexane	0.16	U	1.0	0.16
56-23-5	Carbon tetrachloride	0.060	U	1.0	0.060
71-43-2	Benzene	0.080	U	1.0	0.080
107-06-2	1,2-Dichloroethane	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.090	U	1.0	0.090
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14
75-27-4	Dichlorobromomethane	0.12	U	1.0	0.12
10061-01-5	cis-1,3-Dichloropropene	0.18	U	1.0	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	5.0	0.99
108-88-3	Toluene	0.15	U	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	0.24	U	1.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-134044/5
 Matrix: Water Lab File ID: e09496.d
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 11/01/2012 00:15
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 134044 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	0.19	U	1.0	0.19
127-18-4	Tetrachloroethene	0.10	U	1.0	0.10
591-78-6	2-Hexanone	0.50	U	5.0	0.50
106-93-4	1,2-Dibromoethane	0.28	U	1.0	0.28
108-90-7	Chlorobenzene	0.11	U	1.0	0.11
1330-20-7	Xylenes, Total	0.36	U	3.0	0.36
100-42-5	Styrene	0.12	U	1.0	0.12
75-25-2	Bromoform	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.080	U	1.0	0.080
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.0	0.16
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
106-46-7	1,4-Dichlorobenzene	0.23	U	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	0.34	U	1.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		70-130
460-00-4	4-Bromofluorobenzene	103		70-130
2037-26-5	Toluene-d8 (Surr)	99		70-130

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-134044/5
Matrix: Water Lab File ID: e09496.d
Analysis Method: 8260B Date Collected: _____
Sample wt/vol: 5(mL) Date Analyzed: 11/01/2012 00:15
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 134044 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09496.d
 Report Date: 01-Nov-2012 08:05

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09496.d
 Lab Smp Id: MB
 Inj Date : 01-NOV-2012 00:15
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : MB
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/8260DE_09.m
 Meth Date : 01-Nov-2012 05:10 audberto Quant Type: ISTD
 Cal Date : 31-OCT-2012 20:54 Cal File: e09491.d
 Als bottle: 6 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	
						(ug/L)	(ug/L)	
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363	(0.936)	362989	47.5456	48	
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	824867	50.0000		
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	1206414	49.7432	50	
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	1176452	50.0000		
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	599101	51.4593	51	
* 108 1,4-Dichlorobenzene-d4	152	10.465	10.466	(1.000)	816915	50.0000		

Data File: e09496.d

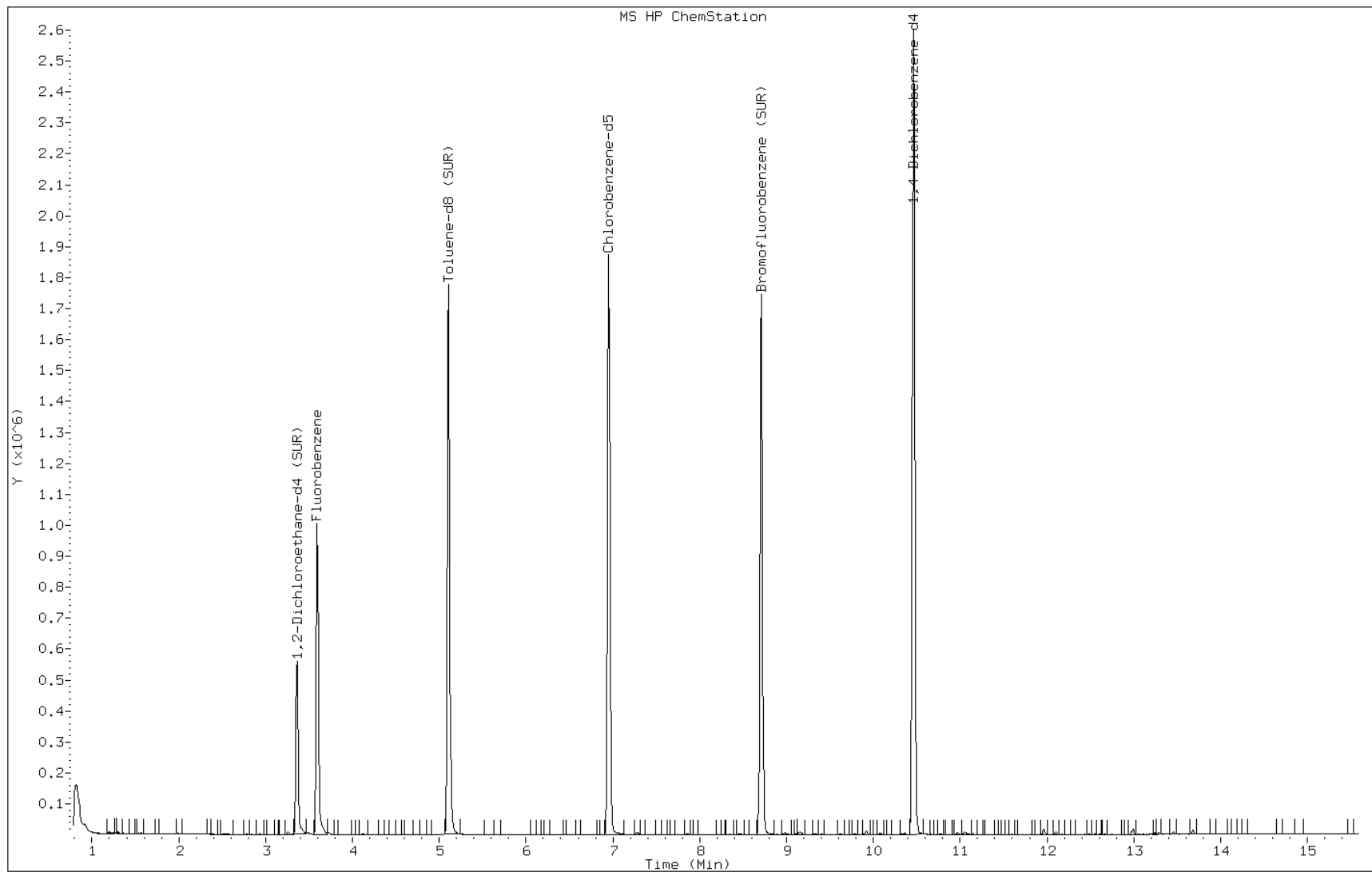
Date: 01-NOV-2012 00:15

Client ID:

Instrument: VOAMS5.i

Sample Info: MB

Operator: GC/MS VOAMS5



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-134043/8

Matrix: Water Lab File ID: e09476.d

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 13:12

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)

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

Analysis Batch No.: 134043 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.2		1.0	0.060
75-71-8	Dichlorodifluoromethane	21.0		1.0	0.22
74-87-3	Chloromethane	20.1		1.0	0.10
75-01-4	Vinyl chloride	20.2		1.0	0.14
74-83-9	Bromomethane	20.4		1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	20.3		1.0	0.40
95-50-1	1,2-Dichlorobenzene	19.3		1.0	0.21
75-69-4	Trichlorofluoromethane	22.1		1.0	0.15
75-35-4	1,1-Dichloroethene	19.9		1.0	0.090
78-87-5	1,2-Dichloropropane	19.6		1.0	0.090
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	19.0		1.0	0.080
67-64-1	Acetone	35.0		5.0	2.7
75-15-0	Carbon disulfide	19.7		1.0	0.13
79-20-9	Methyl acetate	20.3		2.0	0.34
75-09-2	Methylene Chloride	19.3		1.0	0.18
156-60-5	trans-1,2-Dichloroethene	18.4		1.0	0.13
124-48-1	Chlorodibromomethane	19.6		1.0	0.20
1634-04-4	Methyl tert-butyl ether	19.6		1.0	0.14
75-00-3	Chloroethane	20.8		1.0	0.17
75-34-3	1,1-Dichloroethane	19.1		1.0	0.13
156-59-2	cis-1,2-Dichloroethene	19.3		1.0	0.18
78-93-3	2-Butanone (MEK)	22.2		5.0	2.3
67-66-3	Chloroform	20.8		1.0	0.080
100-41-4	Ethylbenzene	19.7		1.0	0.10
110-82-7	Cyclohexane	19.8		1.0	0.16
56-23-5	Carbon tetrachloride	19.2		1.0	0.060
71-43-2	Benzene	18.9		1.0	0.080
107-06-2	1,2-Dichloroethane	20.0		1.0	0.19
79-01-6	Trichloroethene	19.4		1.0	0.090
108-87-2	Methylcyclohexane	19.4		1.0	0.14
75-27-4	Dichlorobromomethane	19.6		1.0	0.12
10061-01-5	cis-1,3-Dichloropropene	19.2		1.0	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	20.1		5.0	0.99
108-88-3	Toluene	19.2		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	19.5		1.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-134043/8
 Matrix: Water Lab File ID: e09476.d
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 13:12
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 134043 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	19.0		1.0	0.19
127-18-4	Tetrachloroethene	19.4		1.0	0.10
591-78-6	2-Hexanone	22.8		5.0	0.50
106-93-4	1,2-Dibromoethane	19.4		1.0	0.28
108-90-7	Chlorobenzene	19.4		1.0	0.11
1330-20-7	Xylenes, Total	57.5		3.0	0.36
100-42-5	Styrene	19.2		1.0	0.12
75-25-2	Bromoform	18.9		1.0	0.19
98-82-8	Isopropylbenzene	19.6		1.0	0.080
79-34-5	1,1,2,2-Tetrachloroethane	19.9		1.0	0.16
541-73-1	1,3-Dichlorobenzene	19.5		1.0	0.14
106-46-7	1,4-Dichlorobenzene	19.5		1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	21.0		1.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-130
460-00-4	4-Bromofluorobenzene	102		70-130
2037-26-5	Toluene-d8 (Surr)	100		70-130

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09476.d
 Report Date: 01-Nov-2012 09:29

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09476.d
 Lab Smp Id: LCS
 Inj Date : 31-OCT-2012 13:12
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : LCS
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/8260DE_09.m
 Meth Date : 01-Nov-2012 09:27 maryb Quant Type: ISTD
 Cal Date : 31-OCT-2012 09:18 Cal File: e09466.d
 Als bottle: 15 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	
	=====	==	=====	=====	=====	(ug/L)	(ug/L)	
2 Dichlorodifluoromethane	85	0.894	0.894	(0.249)	146370	20.9836	21	
3 Chloromethane	50	1.016	1.016	(0.283)	233005	20.0810	20	
4 Vinyl Chloride	62	1.022	1.022	(0.284)	195692	20.1848	20	
6 Bromomethane	94	1.175	1.181	(0.327)	119133	20.4351	20	
5 Chloroethane	64	1.236	1.236	(0.344)	108807	20.7540	21	
7 Trichlorofluoromethane	101	1.297	1.297	(0.361)	218159	22.0748	22	
14 Freon TF	101	1.565	1.565	(0.435)	141267	18.9671	19	
15 1,1-Dichloroethene	96	1.547	1.546	(0.430)	119978	19.8646	20	
16 Acetone	58	1.900	1.894	(0.529)	22198	34.9524	35(R)	
18 Carbon Disulfide	76	1.559	1.565	(0.434)	478245	19.6981	20	
27 Methyl Acetate	74	1.961	1.961	(0.546)	27378	20.3099	20	
22 Methylene Chloride	49	1.857	1.857	(0.517)	208587	19.3386	19	
28 MTBE	73	2.022	2.022	(0.562)	444321	19.6284	20	
25 trans-1,2-Dichloroethene	96	1.943	1.943	(0.540)	131742	18.3959	18	
30 1,1-Dichloroethane	63	2.303	2.302	(0.640)	275063	19.1378	19	
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.737)	147386	19.3028	19	

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09476.d
Report Date: 01-Nov-2012 09:29

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
38 2-Butanone	72		3.071	3.071	(0.854)		27708	22.1766	22
42 Chloroform	83		2.839	2.839	(0.790)		265222	20.7779	21
44 Cyclohexane	56		2.778	2.778	(0.773)		248808	19.7690	20
43 1,1,1-Trichloroethane	97		2.979	2.979	(0.829)		226364	19.2377	19
45 Carbon Tetrachloride	117		2.930	2.930	(0.815)		184560	19.2158	19
48 Benzene	78		3.254	3.260	(0.468)		592487	18.8800	19
\$ 47 1,2-Dichloroethane-d4 (SUR)	65		3.363	3.363	(0.936)		391028	50.5074	50
49 1,2-Dichloroethane	62		3.412	3.412	(0.949)		208604	19.9705	20
* 52 Fluorobenzene	96		3.595	3.595	(1.000)		932501	50.0000	
54 Trichloroethene	95		3.735	3.735	(1.039)		152318	19.3678	19
56 Methyl cyclohexane	83		3.723	3.723	(1.036)		222592	19.3530	19
57 1,2-Dichloropropane	63		4.192	4.192	(1.166)		159457	19.6241	20
68 Bromodichloromethane	83		4.272	4.272	(1.188)		203797	19.6404	20
67 cis-1,3-Dichloropropene	75		4.906	4.906	(0.705)		255267	19.2135	19
70 4-Methyl-2-Pentanone	43		5.625	5.631	(0.809)		157050	20.1027	20
\$ 65 Toluene-d8 (SUR)	98		5.107	5.107	(0.734)		1351737	49.7898	50
66 Toluene	91		5.162	5.162	(0.742)		708708	19.2415	19
64 trans-1,3-Dichloropropene	75		5.649	5.649	(0.812)		239773	19.4783	19
69 1,1,2-Trichloroethane	83		5.820	5.820	(0.837)		109389	18.9556	19
71 Tetrachloroethene	166		5.582	5.582	(0.803)		190304	19.4214	19
73 2-Hexanone	43		6.680	6.680	(0.961)		140855	22.8017	23
74 Dibromochloromethane	129		6.015	6.015	(0.865)		167175	19.6184	20
77 1,2-Dibromoethane	107		6.259	6.259	(0.900)		141874	19.3727	19
* 78 Chlorobenzene-d5	117		6.954	6.954	(1.000)		1305466	50.0000	
79 Chlorobenzene	112		6.972	6.972	(1.003)		496510	19.3743	19
81 Ethylbenzene	106		7.064	7.064	(1.016)		265410	19.6500	20
82 m+p-Xylene	106		7.277	7.277	(1.046)		664195	38.5337	38
84 o-Xylene	106		7.862	7.862	(1.131)		321569	19.0011	19
85 Styrene	104		7.942	7.942	(1.142)		548598	19.1733	19
86 Bromoform	173		7.917	7.911	(1.139)		119409	18.8670	19
88 Isopropylbenzene	105		8.344	8.344	(1.200)		830833	19.6160	20
\$ 89 Bromofluorobenzene (SUR)	174		8.710	8.710	(0.832)		700918	51.1991	51
92 1,1,2,2-Tetrachloroethane	83		9.112	9.112	(0.871)		183046	19.8785	20
105 1,3-Dichlorobenzene	146		10.331	10.331	(0.987)		424056	19.5437	20
* 108 1,4-Dichlorobenzene-d4	152		10.466	10.465	(1.000)		915148	50.0000	
109 1,4-Dichlorobenzene	146		10.490	10.490	(1.002)		441336	19.4534	19
111 1,2-Dichlorobenzene	146		11.148	11.148	(1.065)		400955	19.2898	19
112 1,2-Dibromo-3-chloropropane	75		12.234	12.233	(1.169)		32641	20.3371	20
114 1,2,4-Trichlorobenzene	180		12.971	12.977	(1.239)		254920	21.0264	21
M 120 1,2-Dichloroethene (Total)	100						279128	37.6987	38
M 121 Xylene (Total)	100						985764	57.5348	58

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: e09476.d

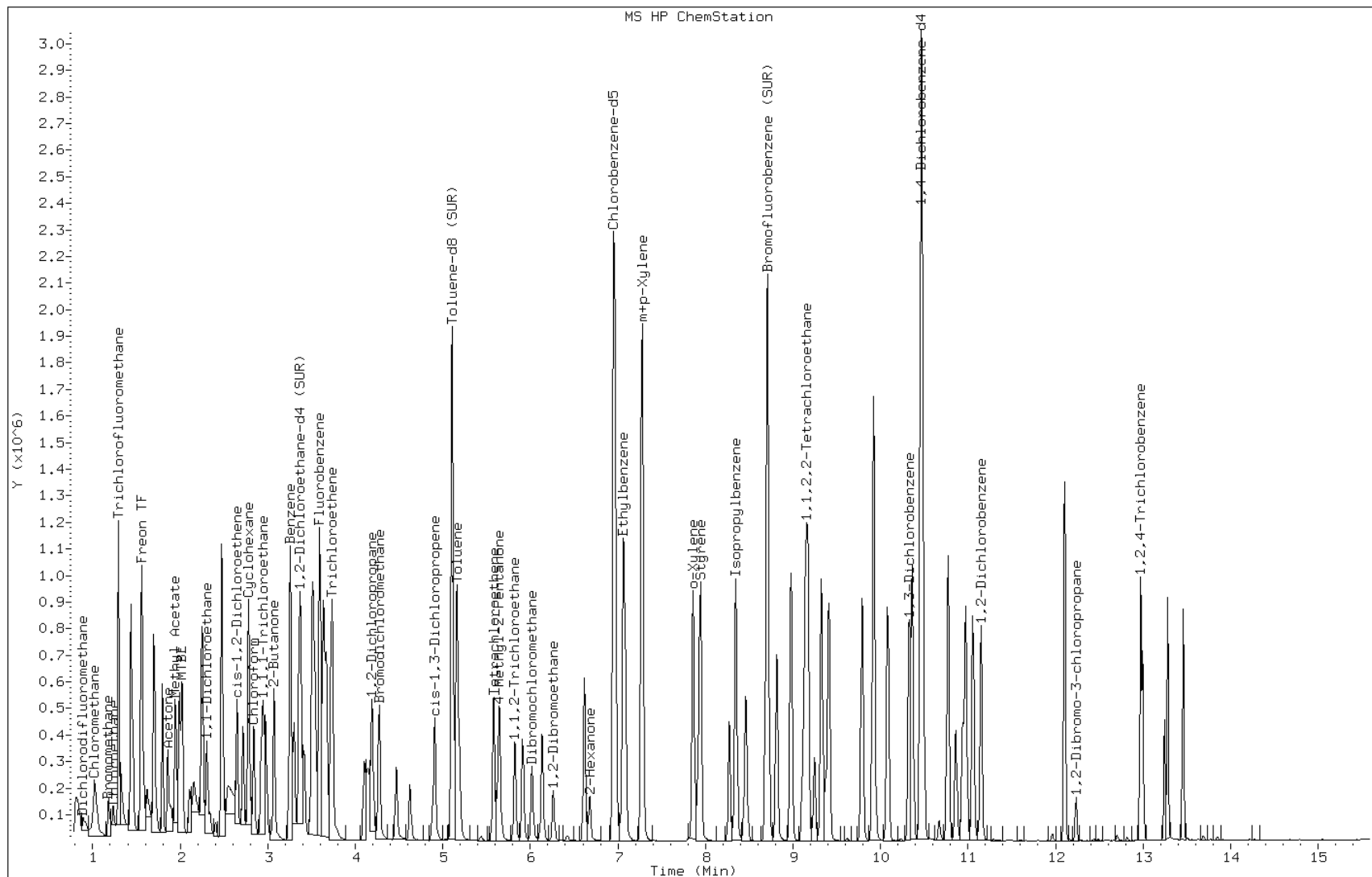
Date: 31-OCT-2012 13:12

Client ID:

Instrument: VOAMS5.i

Sample Info: LCS

Operator: GC/MS VOAMS5



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-134044/3

Matrix: Water Lab File ID: e09492.d

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 22:29

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)

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

Analysis Batch No.: 134044 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.3		1.0	0.060
75-71-8	Dichlorodifluoromethane	24.6		1.0	0.22
74-87-3	Chloromethane	25.2		1.0	0.10
75-01-4	Vinyl chloride	25.2		1.0	0.14
74-83-9	Bromomethane	24.1		1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		1.0	0.40
95-50-1	1,2-Dichlorobenzene	20.5		1.0	0.21
75-69-4	Trichlorofluoromethane	26.3		1.0	0.15
75-35-4	1,1-Dichloroethene	20.0		1.0	0.090
78-87-5	1,2-Dichloropropane	20.4		1.0	0.090
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22.8		1.0	0.080
67-64-1	Acetone	21.6		5.0	2.7
75-15-0	Carbon disulfide	22.0		1.0	0.13
79-20-9	Methyl acetate	21.0		2.0	0.34
75-09-2	Methylene Chloride	20.5		1.0	0.18
156-60-5	trans-1,2-Dichloroethene	19.6		1.0	0.13
124-48-1	Chlorodibromomethane	19.9		1.0	0.20
1634-04-4	Methyl tert-butyl ether	22.2		1.0	0.14
75-00-3	Chloroethane	24.8		1.0	0.17
75-34-3	1,1-Dichloroethane	20.5		1.0	0.13
156-59-2	cis-1,2-Dichloroethene	20.2		1.0	0.18
78-93-3	2-Butanone (MEK)	21.6		5.0	2.3
67-66-3	Chloroform	20.9		1.0	0.080
100-41-4	Ethylbenzene	20.6		1.0	0.10
110-82-7	Cyclohexane	22.9		1.0	0.16
56-23-5	Carbon tetrachloride	20.3		1.0	0.060
71-43-2	Benzene	19.2		1.0	0.080
107-06-2	1,2-Dichloroethane	20.8		1.0	0.19
79-01-6	Trichloroethene	20.4		1.0	0.090
108-87-2	Methylcyclohexane	23.4		1.0	0.14
75-27-4	Dichlorobromomethane	20.9		1.0	0.12
10061-01-5	cis-1,3-Dichloropropene	19.5		1.0	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	21.6		5.0	0.99
108-88-3	Toluene	19.8		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	19.8		1.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-134044/3
 Matrix: Water Lab File ID: e09492.d
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 22:29
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 134044 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	19.6		1.0	0.19
127-18-4	Tetrachloroethene	20.3		1.0	0.10
591-78-6	2-Hexanone	23.0		5.0	0.50
106-93-4	1,2-Dibromoethane	19.6		1.0	0.28
108-90-7	Chlorobenzene	20.8		1.0	0.11
1330-20-7	Xylenes, Total	61.3		3.0	0.36
100-42-5	Styrene	20.9		1.0	0.12
75-25-2	Bromoform	19.9		1.0	0.19
98-82-8	Isopropylbenzene	20.7		1.0	0.080
79-34-5	1,1,2,2-Tetrachloroethane	20.5		1.0	0.16
541-73-1	1,3-Dichlorobenzene	20.8		1.0	0.14
106-46-7	1,4-Dichlorobenzene	20.7		1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	19.5		1.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		70-130
460-00-4	4-Bromofluorobenzene	100		70-130
2037-26-5	Toluene-d8 (Surr)	99		70-130

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09492.d
 Report Date: 31-Oct-2012 21:49

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09492.d
 Lab Smp Id: LCS
 Inj Date : 31-OCT-2012 22:29
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : LCS
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/8260DE_09.m
 Meth Date : 31-Oct-2012 20:57 martinez Quant Type: ISTD
 Cal Date : 31-OCT-2012 20:54 Cal File: e09491.d
 Als bottle: 2 QC Sample: BS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	
	=====	==	=====	=====	=====	(ug/L)	(ug/L)	
2 Dichlorodifluoromethane	85	0.888	0.894	(0.247)	139840	24.6401	25	
3 Chloromethane	50	1.010	1.016	(0.281)	233858	25.1561	25	
4 Vinyl Chloride	62	1.022	1.022	(0.284)	190602	25.2305	25	
6 Bromomethane	94	1.175	1.181	(0.327)	120348	24.1156	24	
5 Chloroethane	64	1.230	1.236	(0.342)	114221	24.7684	25	
7 Trichlorofluoromethane	101	1.297	1.297	(0.361)	225180	26.2602	26	
14 Freon TF	101	1.565	1.565	(0.435)	136415	22.7850	23	
15 1,1-Dichloroethene	96	1.547	1.547	(0.430)	113894	19.9929	20	
16 Acetone	58	1.894	1.894	(0.527)	12693	21.6080	22	
18 Carbon Disulfide	76	1.559	1.565	(0.434)	445570	21.9934	22	
27 Methyl Acetate	74	1.961	1.961	(0.546)	22885	20.9929	21	
22 Methylene Chloride	49	1.858	1.858	(0.517)	212555	20.5238	20	
28 MTBE	73	2.016	2.016	(0.561)	401771	22.2120	22	
25 trans-1,2-Dichloroethene	96	1.943	1.943	(0.540)	127468	19.5580	20	
30 1,1-Dichloroethane	63	2.303	2.303	(0.640)	275596	20.4504	20	
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.737)	143759	20.1522	20	

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09492.d
 Report Date: 31-Oct-2012 21:49

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.071	3.071	(0.854)	23336	21.5733	22
42 Chloroform	83	2.839	2.839	(0.790)	256922	20.8854	21
44 Cyclohexane	56	2.778	2.784	(0.773)	233878	22.9238	23
43 1,1,1-Trichloroethane	97	2.979	2.979	(0.829)	220030	21.3052	21
45 Carbon Tetrachloride	117	2.925	2.931	(0.813)	180259	20.2626	20
48 Benzene	78	3.254	3.260	(0.468)	579390	19.1892	19
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.357	3.357	(0.934)	366628	50.0913	50
49 1,2-Dichloroethane	62	3.412	3.412	(0.949)	197341	20.8460	21
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	878584	50.0000	
54 Trichloroethene	95	3.735	3.735	(1.039)	146757	20.4230	20
56 Methyl cyclohexane	83	3.723	3.729	(1.036)	221174	23.4053	23
57 1,2-Dichloropropane	63	4.193	4.193	(1.166)	152985	20.4128	20
68 Bromodichloromethane	83	4.266	4.272	(1.187)	199650	20.9406	21
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.706)	247888	19.4871	19
70 4-Methyl-2-Pentanone	43	5.625	5.625	(0.810)	140417	21.5570	22
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.735)	1293717	49.7252	50
66 Toluene	91	5.156	5.162	(0.742)	686056	19.7570	20
64 trans-1,3-Dichloropropene	75	5.643	5.650	(0.812)	228678	19.8199	20
69 1,1,2-Trichloroethane	83	5.820	5.820	(0.838)	105674	19.6423	20
71 Tetrachloroethene	166	5.576	5.583	(0.803)	181593	20.2927	20
73 2-Hexanone	43	6.674	6.674	(0.961)	112652	22.9940	23
74 Dibromochloromethane	129	6.015	6.015	(0.866)	156185	19.8708	20
77 1,2-Dibromoethane	107	6.259	6.259	(0.901)	131875	19.6120	20
* 78 Chlorobenzene-d5	117	6.948	6.954	(1.000)	1251867	50.0000	
79 Chlorobenzene	112	6.972	6.972	(1.004)	478880	20.7694	21
81 Ethylbenzene	106	7.064	7.064	(1.017)	257500	20.5740	20
82 m+p-Xylene	106	7.271	7.277	(1.046)	651631	40.7657	41
84 o-Xylene	106	7.856	7.856	(1.131)	316358	20.5837	20
85 Styrene	104	7.942	7.942	(1.143)	537366	20.8556	21
86 Bromoform	173	7.911	7.911	(1.139)	111273	19.8888	20
88 Isopropylbenzene	105	8.344	8.344	(1.201)	802398	20.7018	21
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	655480	50.0806	50
92 1,1,2,2-Tetrachloroethane	83	9.112	9.112	(0.871)	171031	20.5351	20
105 1,3-Dichlorobenzene	146	10.325	10.325	(0.987)	416563	20.8010	21
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.466	(1.000)	890396	50.0000	
109 1,4-Dichlorobenzene	146	10.490	10.490	(1.002)	435019	20.7030	21
111 1,2-Dichlorobenzene	146	11.149	11.149	(1.065)	390870	20.4906	20
112 1,2-Dibromo-3-chloropropane	75	12.234	12.234	(1.169)	29768	20.0499	20
114 1,2,4-Trichlorobenzene	180	12.971	12.971	(1.239)	239340	19.5254	20
M 120 1,2-Dichloroethene (Total)	100				271227	39.7102	40
M 121 Xylene (Total)	100				967989	61.3494	61

Data File: e09492.d

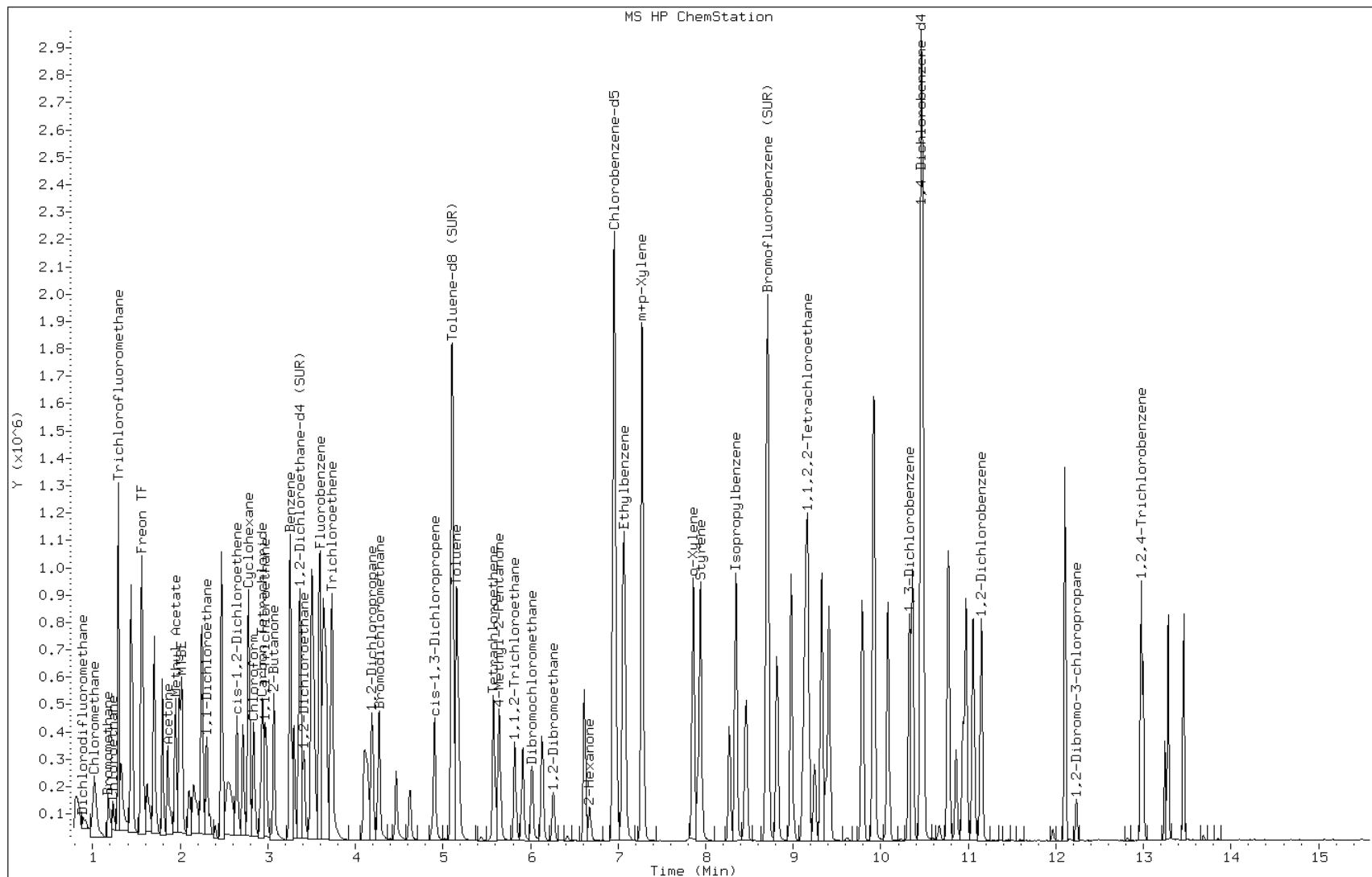
Date: 31-OCT-2012 22:29

Client ID:

Instrument: VOAMS5.i

Sample Info: LCS

Operator: GC/MS VOAMS5



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 460-134044/4

Matrix: Water Lab File ID: e09493.d

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 22:53

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)

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

Analysis Batch No.: 134044 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.6		1.0	0.060
75-71-8	Dichlorodifluoromethane	26.1		1.0	0.22
74-87-3	Chloromethane	25.3		1.0	0.10
75-01-4	Vinyl chloride	25.2		1.0	0.14
74-83-9	Bromomethane	23.9		1.0	0.18
96-12-8	1,2-Dibromo-3-Chloropropane	22.0		1.0	0.40
95-50-1	1,2-Dichlorobenzene	20.9		1.0	0.21
75-69-4	Trichlorofluoromethane	25.1		1.0	0.15
75-35-4	1,1-Dichloroethene	19.9		1.0	0.090
78-87-5	1,2-Dichloropropane	21.0		1.0	0.090
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	23.0		1.0	0.080
67-64-1	Acetone	33.7		5.0	2.7
75-15-0	Carbon disulfide	22.5		1.0	0.13
79-20-9	Methyl acetate	23.1		2.0	0.34
75-09-2	Methylene Chloride	21.0		1.0	0.18
156-60-5	trans-1,2-Dichloroethene	20.2		1.0	0.13
124-48-1	Chlorodibromomethane	20.8		1.0	0.20
1634-04-4	Methyl tert-butyl ether	22.6		1.0	0.14
75-00-3	Chloroethane	24.4		1.0	0.17
75-34-3	1,1-Dichloroethane	20.0		1.0	0.13
156-59-2	cis-1,2-Dichloroethene	20.2		1.0	0.18
78-93-3	2-Butanone (MEK)	23.7		5.0	2.3
67-66-3	Chloroform	21.3		1.0	0.080
100-41-4	Ethylbenzene	21.0		1.0	0.10
110-82-7	Cyclohexane	24.0		1.0	0.16
56-23-5	Carbon tetrachloride	20.6		1.0	0.060
71-43-2	Benzene	19.5		1.0	0.080
107-06-2	1,2-Dichloroethane	21.7		1.0	0.19
79-01-6	Trichloroethene	20.3		1.0	0.090
108-87-2	Methylcyclohexane	23.6		1.0	0.14
75-27-4	Dichlorobromomethane	21.4		1.0	0.12
10061-01-5	cis-1,3-Dichloropropene	19.7		1.0	0.18
108-10-1	4-Methyl-2-pentanone (MIBK)	23.8		5.0	0.99
108-88-3	Toluene	20.1		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	20.5		1.0	0.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 460-134044/4

Matrix: Water Lab File ID: e09493.d

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 22:53

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)

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

Analysis Batch No.: 134044 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	20.3		1.0	0.19
127-18-4	Tetrachloroethene	20.7		1.0	0.10
591-78-6	2-Hexanone	28.9		5.0	0.50
106-93-4	1,2-Dibromoethane	21.0		1.0	0.28
108-90-7	Chlorobenzene	21.1		1.0	0.11
1330-20-7	Xylenes, Total	62.5		3.0	0.36
100-42-5	Styrene	21.4		1.0	0.12
75-25-2	Bromoform	21.4		1.0	0.19
98-82-8	Isopropylbenzene	21.2		1.0	0.080
79-34-5	1,1,2,2-Tetrachloroethane	22.3		1.0	0.16
541-73-1	1,3-Dichlorobenzene	21.0		1.0	0.14
106-46-7	1,4-Dichlorobenzene	20.9		1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	20.1		1.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-130
460-00-4	4-Bromofluorobenzene	100		70-130
2037-26-5	Toluene-d8 (Surr)	99		70-130

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09493.d
 Report Date: 31-Oct-2012 22:11

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09493.d
 Lab Smp Id: LCSD
 Inj Date : 31-OCT-2012 22:53
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : LCSD
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/8260DE_09.m
 Meth Date : 31-Oct-2012 20:57 martinez Quant Type: ISTD
 Cal Date : 31-OCT-2012 20:54 Cal File: e09491.d
 Als bottle: 3 QC Sample: BSD
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
	=====	==	=====	=====	=====		(ug/L)	(ug/L)
2 Dichlorodifluoromethane	85	0.888	0.894	(0.247)	145064		26.1234	26
3 Chloromethane	50	1.010	1.016	(0.281)	230220		25.3099	25
4 Vinyl Chloride	62	1.022	1.022	(0.284)	186555		25.2385	25
6 Bromomethane	94	1.175	1.181	(0.327)	116541		23.8668	24
5 Chloroethane	64	1.230	1.236	(0.342)	109876		24.3508	24
7 Trichlorofluoromethane	101	1.297	1.297	(0.361)	210179		25.0504	25
14 Freon TF	101	1.565	1.565	(0.435)	134902		23.0284	23
15 1,1-Dichloroethene	96	1.547	1.547	(0.430)	111158		19.9421	20
16 Acetone	58	1.894	1.894	(0.527)	19359		33.6816	34(R)
18 Carbon Disulfide	76	1.559	1.565	(0.434)	446594		22.5291	22
27 Methyl Acetate	74	1.961	1.961	(0.546)	24654		23.1131	23
22 Methylene Chloride	49	1.857	1.858	(0.517)	213299		21.0491	21
28 MTBE	73	2.022	2.016	(0.562)	400340		22.6201	23
25 trans-1,2-Dichloroethene	96	1.943	1.943	(0.540)	129033		20.2340	20
30 1,1-Dichloroethane	63	2.303	2.303	(0.640)	264169		20.0339	20
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.737)	141133		20.2196	20

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12a.b/e09493.d
 Report Date: 31-Oct-2012 22:11

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
38 2-Butanone	72		3.071	3.071	(0.854)		25087	23.7023	24(R)
42 Chloroform	83		2.839	2.839	(0.790)		256324	21.2956	21
44 Cyclohexane	56		2.778	2.784	(0.773)		239937	24.0353	24
43 1,1,1-Trichloroethane	97		2.979	2.979	(0.829)		218476	21.6204	22
45 Carbon Tetrachloride	117		2.930	2.931	(0.815)		178887	20.5510	20
48 Benzene	78		3.254	3.260	(0.468)		583685	19.4834	19
\$ 47 1,2-Dichloroethane-d4 (SUR)	65		3.357	3.357	(0.934)		366601	51.1902	51
49 1,2-Dichloroethane	62		3.412	3.412	(0.949)		201098	21.7105	22
* 52 Fluorobenzene	96		3.595	3.595	(1.000)		859660	50.0000	
54 Trichloroethene	95		3.735	3.735	(1.039)		143073	20.3486	20
56 Methyl cyclohexane	83		3.723	3.729	(1.036)		218419	23.6225	24
57 1,2-Dichloropropane	63		4.192	4.193	(1.166)		154171	21.0239	21
68 Bromodichloromethane	83		4.272	4.272	(1.188)		199957	21.4344	21
67 cis-1,3-Dichloropropene	75		4.906	4.906	(0.705)		248257	19.6694	20
70 4-Methyl-2-Pentanone	43		5.625	5.625	(0.809)		153876	23.8088	24
\$ 65 Toluene-d8 (SUR)	98		5.107	5.107	(0.734)		1283067	49.7033	50
66 Toluene	91		5.156	5.162	(0.741)		692611	20.1025	20
64 trans-1,3-Dichloropropene	75		5.649	5.650	(0.812)		234618	20.4945	20
69 1,1,2-Trichloroethane	83		5.820	5.820	(0.837)		108204	20.2705	20
71 Tetrachloroethene	166		5.582	5.583	(0.803)		183657	20.6846	21
73 2-Hexanone	43		6.680	6.674	(0.961)		140284	28.8589	29(R)
74 Dibromochloromethane	129		6.015	6.015	(0.865)		161896	20.7593	21
77 1,2-Dibromoethane	107		6.259	6.259	(0.900)		140430	21.0484	21
* 78 Chlorobenzene-d5	117		6.954	6.954	(1.000)		1242108	50.0000	
79 Chlorobenzene	112		6.972	6.972	(1.003)		483725	21.1444	21
81 Ethylbenzene	106		7.064	7.064	(1.016)		260441	20.9724	21
82 m+p-Xylene	106		7.277	7.277	(1.046)		654658	41.2769	41
84 o-Xylene	106		7.856	7.856	(1.130)		323883	21.2389	21
85 Styrene	104		7.942	7.942	(1.142)		546011	21.3576	21
86 Bromoform	173		7.911	7.911	(1.138)		119012	21.4392	21
88 Isopropylbenzene	105		8.344	8.344	(1.200)		816678	21.2358	21
\$ 89 Bromofluorobenzene (SUR)	174		8.710	8.710	(0.832)		665311	50.2385	50
92 1,1,2,2-Tetrachloroethane	83		9.112	9.112	(0.871)		188131	22.3246	22
105 1,3-Dichlorobenzene	146		10.331	10.325	(0.987)		425471	20.9979	21
* 108 1,4-Dichlorobenzene-d4	152		10.466	10.466	(1.000)		900910	50.0000	
109 1,4-Dichlorobenzene	146		10.490	10.490	(1.002)		445013	20.9315	21
111 1,2-Dichlorobenzene	146		11.148	11.149	(1.065)		402655	20.8621	21
112 1,2-Dibromo-3-chloropropane	75		12.233	12.234	(1.169)		33109	22.0397	22
114 1,2,4-Trichlorobenzene	180		12.971	12.971	(1.239)		249454	20.1130	20
M 120 1,2-Dichloroethene (Total)	100						270166	40.4536	40
M 121 Xylene (Total)	100						978541	62.5157	62

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: e09493.d

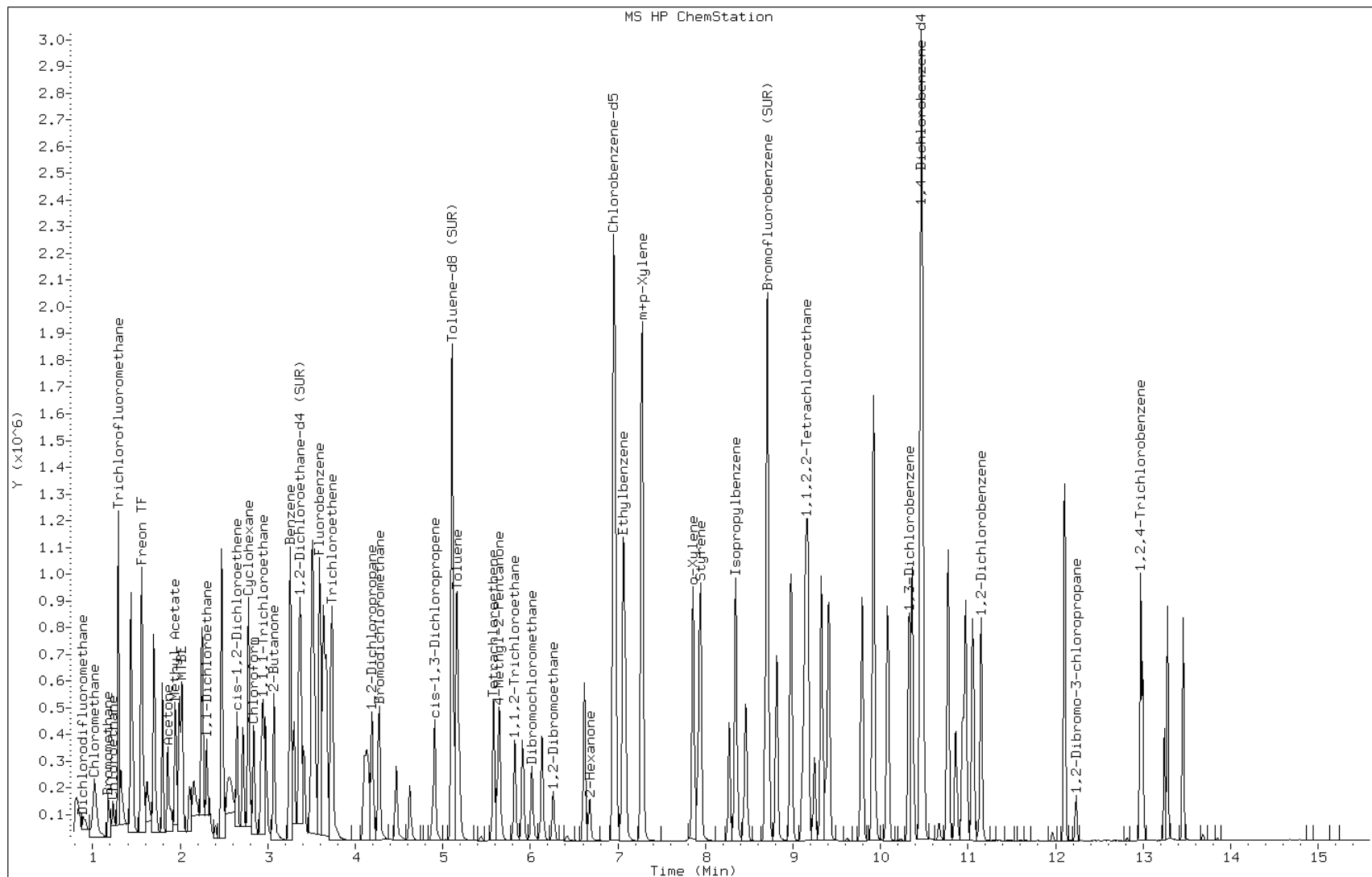
Date: 31-OCT-2012 22:53

Client ID:

Instrument: VOAMS5.i

Sample Info: LCSD

Operator: GC/MS VOAMS5



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Client Sample ID: WG-17338-102212-MW30-MM-2 Lab Sample ID: 460-46388-1 MS
 Matrix: Water Lab File ID: e09485.d
 Analysis Method: 8260B Date Collected: 10/22/2012 10:45
 Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 16:42
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 134043 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	194		10	0.60
75-71-8	Dichlorodifluoromethane	200		10	2.2
74-87-3	Chloromethane	195		10	1.0
75-01-4	Vinyl chloride	194		10	1.4
74-83-9	Bromomethane	205		10	1.8
96-12-8	1,2-Dibromo-3-Chloropropane	211		10	4.0
95-50-1	1,2-Dichlorobenzene	192		10	2.1
75-69-4	Trichlorofluoromethane	289		10	1.5
75-35-4	1,1-Dichloroethene	174		10	0.90
78-87-5	1,2-Dichloropropane	201		10	0.90
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	167		10	0.80
67-64-1	Acetone	249		50	27
75-15-0	Carbon disulfide	168		10	1.3
79-20-9	Methyl acetate	178		20	3.4
75-09-2	Methylene Chloride	193		10	1.8
156-60-5	trans-1,2-Dichloroethene	179		10	1.3
124-48-1	Chlorodibromomethane	204		10	2.0
1634-04-4	Methyl tert-butyl ether	190		10	1.4
75-00-3	Chloroethane	263		10	1.7
75-34-3	1,1-Dichloroethane	187		10	1.3
156-59-2	cis-1,2-Dichloroethene	195		10	1.8
78-93-3	2-Butanone (MEK)	190		50	23
67-66-3	Chloroform	209		10	0.80
100-41-4	Ethylbenzene	196		10	1.0
110-82-7	Cyclohexane	196		10	1.6
56-23-5	Carbon tetrachloride	196		10	0.60
71-43-2	Benzene	200		10	0.80
107-06-2	1,2-Dichloroethane	206		10	1.9
79-01-6	Trichloroethene	193		10	0.90
108-87-2	Methylcyclohexane	188		10	1.4
75-27-4	Dichlorobromomethane	205		10	1.2
10061-01-5	cis-1,3-Dichloropropene	197		10	1.8
108-10-1	4-Methyl-2-pentanone (MIBK)	204		50	9.9
108-88-3	Toluene	194		10	1.5
10061-02-6	trans-1,3-Dichloropropene	197		10	2.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Client Sample ID: WG-17338-102212-MW30-MM-2 Lab Sample ID: 460-46388-1 MS
 Matrix: Water Lab File ID: e09485.d
 Analysis Method: 8260B Date Collected: 10/22/2012 10:45
 Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 16:42
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 134043 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	199		10	1.9
127-18-4	Tetrachloroethene	192		10	1.0
591-78-6	2-Hexanone	205		50	5.0
106-93-4	1,2-Dibromoethane	201		10	2.8
108-90-7	Chlorobenzene	192		10	1.1
1330-20-7	Xylenes, Total	582		30	3.6
100-42-5	Styrene	191		10	1.2
75-25-2	Bromoform	196		10	1.9
98-82-8	Isopropylbenzene	193		10	0.80
79-34-5	1,1,2,2-Tetrachloroethane	201		10	1.6
541-73-1	1,3-Dichlorobenzene	192		10	1.4
106-46-7	1,4-Dichlorobenzene	191		10	2.3
120-82-1	1,2,4-Trichlorobenzene	191		10	3.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-130
460-00-4	4-Bromofluorobenzene	98		70-130
2037-26-5	Toluene-d8 (Surr)	100		70-130

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09485.d
Report Date: 01-Nov-2012 09:30

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09485.d
Lab Smp Id: 460-46388-A-1 MS
Inj Date : 31-OCT-2012 16:42
Operator : GC/MS VOAMS5
Smp Info : 460-46388-A-1 MS;10
Misc Info :
Comment :
Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/8260DE_09.m
Meth Date : 01-Nov-2012 09:27 maryb
Cal Date : 31-OCT-2012 09:18
Als bottle: 24
Dil Factor: 10.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: hpd2
Inst ID: VOAMS5.i
Quant Type: ISTD
Cal File: e09466.d
QC Sample: MS
Compound Sublist: HSLDEL.sub

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

Name	Value	Description
DF	10.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85	0.894	0.894	(0.249)	130934	19.9544	200
3 Chloromethane	50	1.016	1.016	(0.283)	212636	19.4811	190
4 Vinyl Chloride	62	1.022	1.022	(0.284)	177306	19.4417	190
6 Bromomethane	94	1.181	1.181	(0.328)	112677	20.5466	200
5 Chloroethane	64	1.236	1.236	(0.344)	129922	26.3443	260
7 Trichlorofluoromethane	101	1.303	1.297	(0.362)	268390	28.8701	290
14 Freon TF	101	1.577	1.565	(0.439)	117341	16.7482	170
15 1,1-Dichloroethene	96	1.559	1.546	(0.434)	98767	17.3839	170
16 Acetone	58	1.888	1.894	(0.525)	14866	24.8837	250
18 Carbon Disulfide	76	1.571	1.565	(0.437)	382632	16.7538	170
27 Methyl Acetate	74	1.961	1.961	(0.546)	22598	17.8211	180
22 Methylene Chloride	49	1.864	1.857	(0.518)	195735	19.2914	190
28 MTBE	73	2.016	2.022	(0.561)	405246	19.0312	190
25 trans-1,2-Dichloroethene	96	1.949	1.943	(0.542)	120266	17.8524	180
30 1,1-Dichloroethane	63	2.309	2.302	(0.642)	252881	18.7040	190
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.737)	140317	19.5359	200

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09485.d
 Report Date: 01-Nov-2012 09:30

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.071	3.071	(0.854)	22367	19.0307	190
42 Chloroform	83	2.845	2.839	(0.791)	251180	20.9188	210
44 Cyclohexane	56	2.784	2.778	(0.774)	231905	19.5879	200
43 1,1,1-Trichloroethane	97	2.979	2.979	(0.829)	215018	19.4258	190
45 Carbon Tetrachloride	117	2.930	2.930	(0.815)	177031	19.5943	200
48 Benzene	78	3.260	3.260	(0.469)	578236	20.0061	200
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363	(0.936)	368561	50.6074	51
49 1,2-Dichloroethane	62	3.418	3.412	(0.951)	202260	20.5842	200
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	877185	50.0000	
54 Trichloroethene	95	3.741	3.735	(1.041)	142784	19.3004	190
56 Methyl cyclohexane	83	3.729	3.723	(1.037)	203889	18.8447	190
57 1,2-Dichloropropane	63	4.192	4.192	(1.166)	153698	20.1082	200
68 Bromodichloromethane	83	4.272	4.272	(1.188)	199895	20.4792	200
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.705)	241559	19.7410	200
70 4-Methyl-2-Pentanone	43	5.625	5.631	(0.809)	146894	20.4153	200
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	1248978	49.9502	50
66 Toluene	91	5.162	5.162	(0.742)	656931	19.3654	190
64 trans-1,3-Dichloropropene	75	5.649	5.649	(0.812)	223812	19.7410	200
69 1,1,2-Trichloroethane	83	5.820	5.820	(0.837)	105678	19.8831	200
71 Tetrachloroethene	166	5.582	5.582	(0.803)	172876	19.1559	190
73 2-Hexanone	43	6.674	6.680	(0.960)	116769	20.5238	200
74 Dibromochloromethane	129	6.015	6.015	(0.865)	160394	20.4369	200
77 1,2-Dibromoethane	107	6.259	6.259	(0.900)	135294	20.0585	200
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	1202350	50.0000	
79 Chlorobenzene	112	6.972	6.972	(1.003)	453091	19.1964	190
81 Ethylbenzene	106	7.064	7.064	(1.016)	244077	19.6204	200
82 m+p-Xylene	106	7.277	7.277	(1.046)	618376	38.9522	390
84 o-Xylene	106	7.856	7.862	(1.130)	300743	19.2946	190
85 Styrene	104	7.942	7.942	(1.142)	504434	19.1417	190
86 Bromoform	173	7.911	7.911	(1.138)	114042	19.5643	200
88 Isopropylbenzene	105	8.350	8.344	(1.201)	752068	19.2792	190
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	637208	48.9728	49
92 1,1,2,2-Tetrachloroethane	83	9.112	9.112	(0.871)	175506	20.0536	200
105 1,3-Dichlorobenzene	146	10.331	10.331	(0.987)	395315	19.1692	190
* 108 1,4-Dichlorobenzene-d4	152	10.465	10.465	(1.000)	869788	50.0000	
109 1,4-Dichlorobenzene	146	10.490	10.490	(1.002)	411500	19.0842	190
111 1,2-Dichlorobenzene	146	11.148	11.148	(1.065)	378904	19.1796	190
112 1,2-Dibromo-3-chloropropane	75	12.233	12.233	(1.169)	32189	21.1014	210
114 1,2,4-Trichlorobenzene	180	12.971	12.977	(1.239)	220162	19.1065	190
M 120 1,2-Dichloroethene (Total)	100				260583	37.3883	370
M 121 Xylene (Total)	100				919119	58.2468	580

Data File: e09485.d

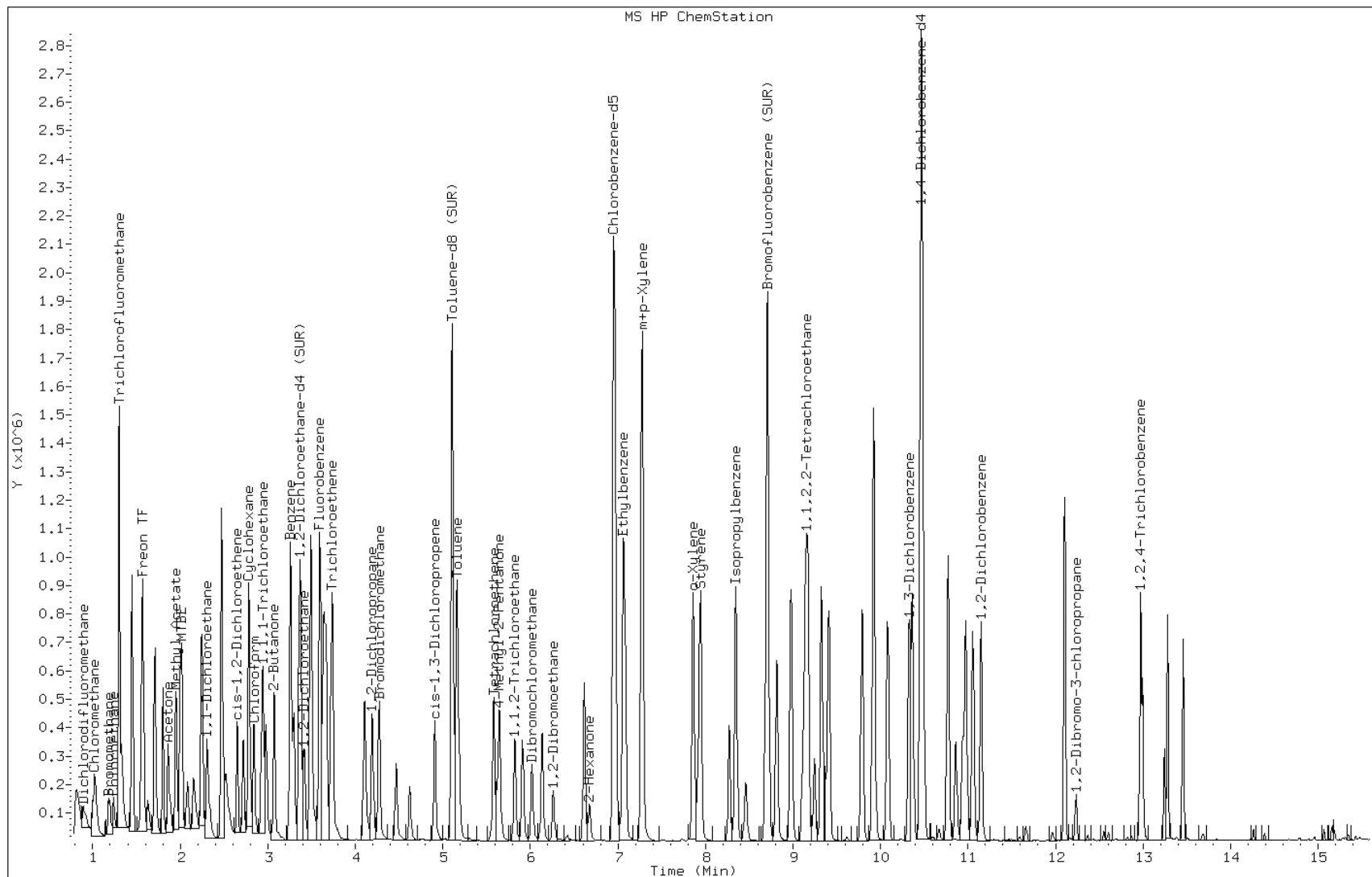
Date: 31-OCT-2012 16:42

Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-1 MS;10

Operator: GC/MS VOAMS5



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Client Sample ID: WG-17338-102212-MW30-MM-2 Lab Sample ID: 460-46388-1 MSD

Matrix: Water Lab File ID: e09486.d

Analysis Method: 8260B Date Collected: 10/22/2012 10:45

Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 17:05

Soil Aliquot Vol: _____ Dilution Factor: 10

Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)

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

Analysis Batch No.: 134043 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	184		10	0.60
75-71-8	Dichlorodifluoromethane	197		10	2.2
74-87-3	Chloromethane	195		10	1.0
75-01-4	Vinyl chloride	193		10	1.4
74-83-9	Bromomethane	208		10	1.8
96-12-8	1,2-Dibromo-3-Chloropropane	206		10	4.0
95-50-1	1,2-Dichlorobenzene	188		10	2.1
75-69-4	Trichlorofluoromethane	284		10	1.5
75-35-4	1,1-Dichloroethene	173		10	0.90
78-87-5	1,2-Dichloropropane	197		10	0.90
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	171		10	0.80
67-64-1	Acetone	239		50	27
75-15-0	Carbon disulfide	166		10	1.3
79-20-9	Methyl acetate	177		20	3.4
75-09-2	Methylene Chloride	193		10	1.8
156-60-5	trans-1,2-Dichloroethene	178		10	1.3
124-48-1	Chlorodibromomethane	196		10	2.0
1634-04-4	Methyl tert-butyl ether	186		10	1.4
75-00-3	Chloroethane	252		10	1.7
75-34-3	1,1-Dichloroethane	186		10	1.3
156-59-2	cis-1,2-Dichloroethene	192		10	1.8
78-93-3	2-Butanone (MEK)	175		50	23
67-66-3	Chloroform	205		10	0.80
100-41-4	Ethylbenzene	192		10	1.0
110-82-7	Cyclohexane	191		10	1.6
56-23-5	Carbon tetrachloride	195		10	0.60
71-43-2	Benzene	192		10	0.80
107-06-2	1,2-Dichloroethane	199		10	1.9
79-01-6	Trichloroethene	190		10	0.90
108-87-2	Methylcyclohexane	186		10	1.4
75-27-4	Dichlorobromomethane	199		10	1.2
10061-01-5	cis-1,3-Dichloropropene	188		10	1.8
108-10-1	4-Methyl-2-pentanone (MIBK)	190		50	9.9
108-88-3	Toluene	189		10	1.5
10061-02-6	trans-1,3-Dichloropropene	188		10	2.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Client Sample ID: WG-17338-102212-MW30-MM-2 Lab Sample ID: 460-46388-1 MSD
 Matrix: Water Lab File ID: e09486.d
 Analysis Method: 8260B Date Collected: 10/22/2012 10:45
 Sample wt/vol: 5(mL) Date Analyzed: 10/31/2012 17:05
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: Rtx-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 134043 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-00-5	1,1,2-Trichloroethane	191		10	1.9
127-18-4	Tetrachloroethene	186		10	1.0
591-78-6	2-Hexanone	197		50	5.0
106-93-4	1,2-Dibromoethane	192		10	2.8
108-90-7	Chlorobenzene	190		10	1.1
1330-20-7	Xylenes, Total	570		30	3.6
100-42-5	Styrene	190		10	1.2
75-25-2	Bromoform	190		10	1.9
98-82-8	Isopropylbenzene	191		10	0.80
79-34-5	1,1,2,2-Tetrachloroethane	199		10	1.6
541-73-1	1,3-Dichlorobenzene	189		10	1.4
106-46-7	1,4-Dichlorobenzene	188		10	2.3
120-82-1	1,2,4-Trichlorobenzene	195		10	3.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		70-130
460-00-4	4-Bromofluorobenzene	100		70-130
2037-26-5	Toluene-d8 (Surr)	100		70-130

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09486.d
 Report Date: 01-Nov-2012 09:30

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09486.d
 Lab Smp Id: 460-46388-A-1 MSD
 Inj Date : 31-OCT-2012 17:05
 Operator : GC/MS VOAMS5 Inst ID: VOAMS5.i
 Smp Info : 460-46388-A-1 MSD;10
 Misc Info :
 Comment :
 Method : /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/8260DE_09.m
 Meth Date : 01-Nov-2012 09:27 maryb Quant Type: ISTD
 Cal Date : 31-OCT-2012 09:18 Cal File: e09466.d
 Als bottle: 25 QC Sample: MSD
 Dil Factor: 10.00000
 Integrator: HP RTE Compound Sublist: HSLDEL.sub
 Target Version: 3.50
 Processing Host: hpd2

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

Name	Value	Description
DF	10.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====	
2 Dichlorodifluoromethane	85	0.894	0.894	(0.249)	129070	19.6605	200(R)	
3 Chloromethane	50	1.016	1.016	(0.283)	212605	19.4686	190(R)	
4 Vinyl Chloride	62	1.022	1.022	(0.284)	176523	19.3462	190(R)	
6 Bromomethane	94	1.181	1.181	(0.328)	114113	20.7980	210(R)	
5 Chloroethane	64	1.236	1.236	(0.344)	124485	25.2292	250(R)	
7 Trichlorofluoromethane	101	1.303	1.297	(0.362)	264283	28.4141	280(R)	
14 Freon TF	101	1.571	1.565	(0.437)	119895	17.1042	170(R)	
15 1,1-Dichloroethene	96	1.553	1.546	(0.432)	98189	17.2736	170(R)	
16 Acetone	58	1.888	1.894	(0.525)	14262	23.8608	240(R)	
18 Carbon Disulfide	76	1.571	1.565	(0.437)	378966	16.5850	160(R)	
27 Methyl Acetate	74	1.961	1.961	(0.546)	22467	17.7090	180(R)	
22 Methylene Chloride	49	1.864	1.857	(0.518)	195725	19.2808	190(R)	
28 MTBE	73	2.016	2.022	(0.561)	396932	18.6314	190(R)	
25 trans-1,2-Dichloroethene	96	1.949	1.943	(0.542)	119941	17.7953	180(R)	
30 1,1-Dichloroethane	63	2.309	2.302	(0.642)	251807	18.6153	190(R)	
36 cis-1,2-Dichloroethene	96	2.650	2.650	(0.737)	138031	19.2080	190(R)	

Data File: /chem/VOAMS5.i/8260DE/10-31-12/31oct12.b/e09486.d
 Report Date: 01-Nov-2012 09:30

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
38 2-Butanone	72	3.071	3.071	(0.854)	20636	17.5492	180(R)
42 Chloroform	83	2.845	2.839	(0.791)	245910	20.4696	200(R)
44 Cyclohexane	56	2.784	2.778	(0.774)	226673	19.1365	190(R)
43 1,1,1-Trichloroethane	97	2.979	2.979	(0.829)	203449	18.3714	180(R)
45 Carbon Tetrachloride	117	2.930	2.930	(0.815)	176369	19.5113	200(R)
48 Benzene	78	3.260	3.260	(0.469)	564251	19.1512	190(R)
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	3.363	3.363	(0.936)	395673	54.3031	54
49 1,2-Dichloroethane	62	3.418	3.412	(0.951)	195659	19.9025	200(R)
* 52 Fluorobenzene	96	3.595	3.595	(1.000)	877623	50.0000	
54 Trichloroethene	95	3.741	3.735	(1.041)	140471	18.9783	190(R)
56 Methyl cyclohexane	83	3.729	3.723	(1.037)	201172	18.5843	180(R)
57 1,2-Dichloropropane	63	4.192	4.192	(1.166)	150719	19.7086	200(R)
68 Bromodichloromethane	83	4.272	4.272	(1.188)	194233	19.8892	200(R)
67 cis-1,3-Dichloropropene	75	4.906	4.906	(0.705)	234246	18.7796	190(R)
70 4-Methyl-2-Pentanone	43	5.625	5.631	(0.809)	139640	19.0383	190(R)
\$ 65 Toluene-d8 (SUR)	98	5.107	5.107	(0.734)	1270881	49.8603	50
66 Toluene	91	5.162	5.162	(0.742)	653056	18.8853	190(R)
64 trans-1,3-Dichloropropene	75	5.649	5.649	(0.812)	217301	18.8024	190(R)
69 1,1,2-Trichloroethane	83	5.820	5.820	(0.837)	103538	19.1102	190(R)
71 Tetrachloroethene	166	5.582	5.582	(0.803)	170894	18.5764	180(R)
73 2-Hexanone	43	6.674	6.680	(0.960)	114527	19.7471	200(R)
74 Dibromochloromethane	129	6.015	6.015	(0.865)	156587	19.5726	200(R)
77 1,2-Dibromoethane	107	6.259	6.259	(0.900)	132187	19.2255	190(R)
* 78 Chlorobenzene-d5	117	6.954	6.954	(1.000)	1225643	50.0000	
79 Chlorobenzene	112	6.972	6.972	(1.003)	457161	19.0007	190(R)
81 Ethylbenzene	106	7.064	7.064	(1.016)	243463	19.1991	190(R)
82 m+p-Xylene	106	7.277	7.277	(1.046)	617210	38.1399	380(R)
84 o-Xylene	106	7.862	7.862	(1.131)	300311	18.9007	190(R)
85 Styrene	104	7.942	7.942	(1.142)	511638	19.0461	190(R)
86 Bromoform	173	7.911	7.911	(1.138)	112897	18.9998	190(R)
88 Isopropylbenzene	105	8.344	8.344	(1.200)	761350	19.1462	190(R)
\$ 89 Bromofluorobenzene (SUR)	174	8.710	8.710	(0.832)	658686	50.2270	50
92 1,1,2,2-Tetrachloroethane	83	9.112	9.112	(0.871)	175924	19.9439	200(R)
105 1,3-Dichlorobenzene	146	10.325	10.331	(0.987)	392143	18.8665	190(R)
* 108 1,4-Dichlorobenzene-d4	152	10.466	10.465	(1.000)	876653	50.0000	
109 1,4-Dichlorobenzene	146	10.490	10.490	(1.002)	407744	18.7619	190(R)
111 1,2-Dichlorobenzene	146	11.148	11.148	(1.065)	375272	18.8470	190(R)
112 1,2-Dibromo-3-chloropropane	75	12.234	12.233	(1.169)	31700	20.6181	210(R)
114 1,2,4-Trichlorobenzene	180	12.971	12.977	(1.239)	226155	19.4729	190(R)
M 120 1,2-Dichloroethene (Total)	100				257972	37.0033	370
M 121 Xylene (Total)	100				917521	57.0406	570(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: e09486.d

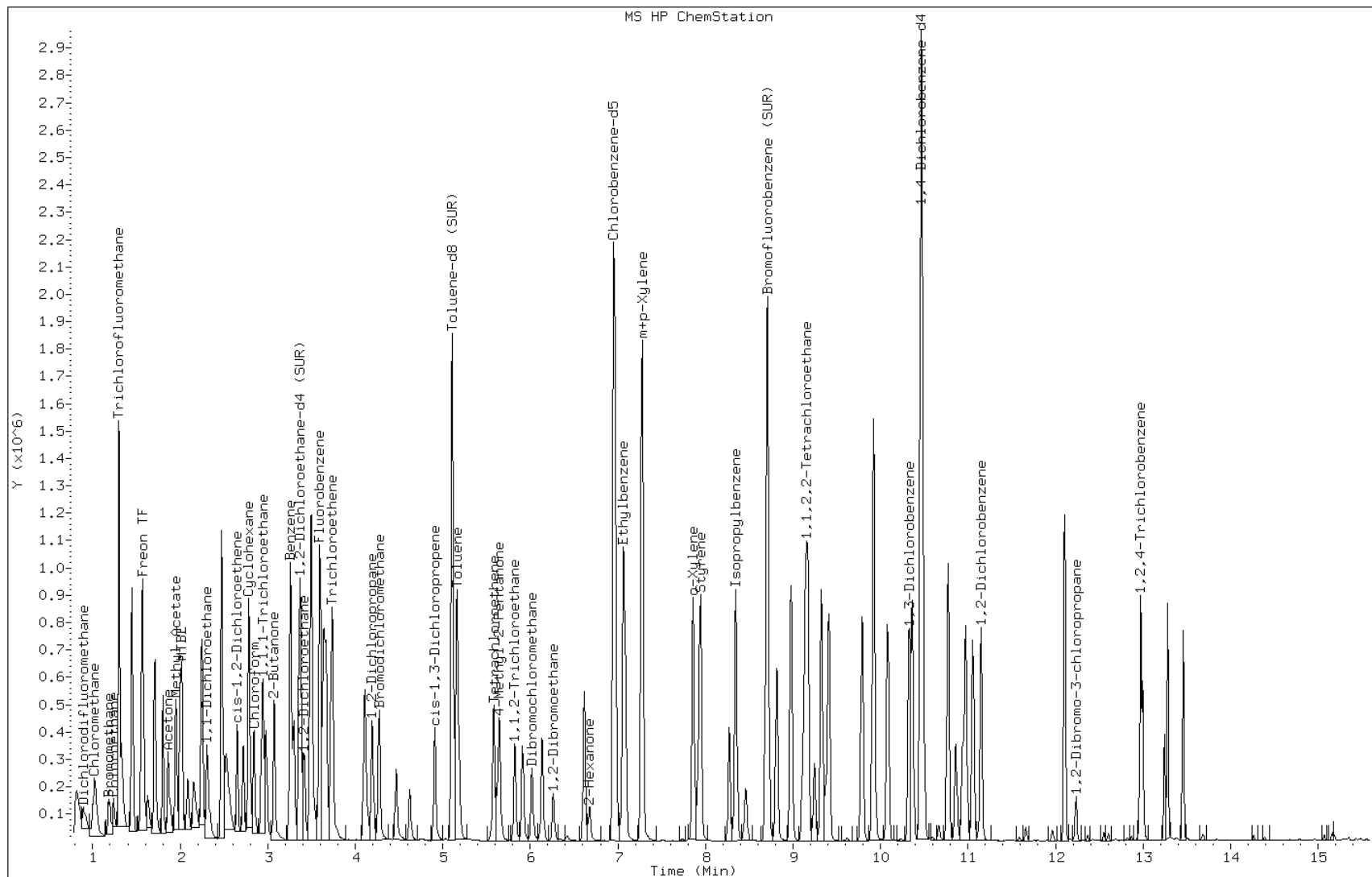
Date: 31-OCT-2012 17:05

Client ID:

Instrument: VOAMS5.i

Sample Info: 460-46388-A-1 MSD;10

Operator: GC/MS VOAMS5



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: VOAMS5 Start Date: 10/31/2012 07:30Analysis Batch Number: 134043 End Date: 10/31/2012 18:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-134043/1		10/31/2012 07:30	1	e09461.d	Rtx-VMS 0.18 (mm)
IC 460-134043/2		10/31/2012 08:08	1	e09463.d	Rtx-VMS 0.18 (mm)
IC 460-134043/3		10/31/2012 08:55	1	e09465.d	Rtx-VMS 0.18 (mm)
ICIS 460-134043/4		10/31/2012 09:18	1	e09466.d	Rtx-VMS 0.18 (mm)
IC 460-134043/5		10/31/2012 09:41	1	e09467.d	Rtx-VMS 0.18 (mm)
IC 460-134043/6		10/31/2012 10:05	1	e09468.d	Rtx-VMS 0.18 (mm)
IC 460-134043/7		10/31/2012 10:28	1	e09469.d	Rtx-VMS 0.18 (mm)
LCS 460-134043/8		10/31/2012 13:12	1	e09476.d	Rtx-VMS 0.18 (mm)
MB 460-134043/9		10/31/2012 14:22	1	e09479.d	Rtx-VMS 0.18 (mm)
460-46388-2	WG-17338-102212-MW36S -MM-265	10/31/2012 15:09	1	e09481.d	Rtx-VMS 0.18 (mm)
460-46388-3	WG-17338-102312-MW36D -MM-266	10/31/2012 15:32	1	e09482.d	Rtx-VMS 0.18 (mm)
460-46388-1 MS	WG-17338-102212-MW30- MM-264 MS	10/31/2012 16:42	10	e09485.d	Rtx-VMS 0.18 (mm)
460-46388-1 MSD	WG-17338-102212-MW30- MM-264 MSD	10/31/2012 17:05	10	e09486.d	Rtx-VMS 0.18 (mm)
CCV 460-134043/14		10/31/2012 18:15	1	e09489.d	Rtx-VMS 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: VOAMS5 Start Date: 10/31/2012 20:32Analysis Batch Number: 134044 End Date: 11/01/2012 04:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-134044/1		10/31/2012 20:32	1	e09490.d	Rtx-VMS 0.18 (mm)
CCVIS 460-134044/2		10/31/2012 20:54	1	e09491.d	Rtx-VMS 0.18 (mm)
LCS 460-134044/3		10/31/2012 22:29	1	e09492.d	Rtx-VMS 0.18 (mm)
LCSD 460-134044/4		10/31/2012 22:53	1	e09493.d	Rtx-VMS 0.18 (mm)
MB 460-134044/5		11/01/2012 00:15	1	e09496.d	Rtx-VMS 0.18 (mm)
460-46388-4	TB-17338-102312-267	11/01/2012 00:39	1	e09497.d	Rtx-VMS 0.18 (mm)
ZZZZZ		11/01/2012 01:02	1		Rtx-VMS 0.18 (mm)
460-46388-1	WG-17338-102212-MW30-MM-264	11/01/2012 01:25	1	e09499.d	Rtx-VMS 0.18 (mm)
460-46388-2 DL	WG-17338-102212-MW36S-MM-265 DL	11/01/2012 01:49	5	e09500.d	Rtx-VMS 0.18 (mm)
460-46388-3 DL	WG-17338-102312-MW36D-MM-266 DL	11/01/2012 02:12	2	e09501.d	Rtx-VMS 0.18 (mm)
ZZZZZ		11/01/2012 04:09	1		Rtx-VMS 0.18 (mm)
CCV 460-134044/12		11/01/2012 04:32	1	e09507.d	Rtx-VMS 0.18 (mm)

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS5.1
Analytical Batch: /chem/VOAMS5.1/8260DE/10-31-12/31oct12.b

Date Generated: 10/31/2012
Page 1

Date	Data File	ALS	Sample ID	Client ID	IV/	FV	Dil	Sublist	PH	STD	COMMENTS
					IM		Fac			LOT	
10/31/12 0730	e09461.d	2	BFB		0	0	1			all	
10/31/12 0808	e09463.d	2	IC-VM8CAL1		5	0	1			HSDEL	
10/31/12 0855	e09465.d	4	IC-VM8CAL2		5	0	1			HSDEL	
10/31/12 0918	e09466.d	4	ICIS-VM8CAL3		5	0	1			HSDEL	
10/31/12 0941	e09467.d	5	IC-VM8CAL4		5	0	1			HSDEL	
10/31/12 1005	e09468.d	6	IC-VM8CAL5		5	0	1			HSDEL	
10/31/12 1028	e09469.d	7	IC-VM8CAL6		5	0	1			HSDEL	
10/31/12 1051	e09470.d	8	BLANK		5	0	1			HSDEL	
10/31/12 1115	e09471.d	9	BLANK		5	0	1			HSDEL	
10/31/12 1138	e09472.d	11	BLANK		5	0	1			HSDEL	
10/31/12 1202	e09473.d	12	BLANK		5	0	1			HSDEL	
10/31/12 1225	e09474.d	13	IC-VMCAL1		5	0	1			HSDEL	
10/31/12 1248	e09475.d	14	ICV		5	0	1			HSDEL	
10/31/12 1312	e09476.d	15	LCS		5	0	1			HSDEL	

#134043

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS5.1
Analytical Batch: /chem/VOAMS5.1/8260DE/10-31-12/31oct12.b

Date Generated: 10/31/2012
Page 2

Date	Data File	ALS	Sample ID	Client ID	IV/	FV	D11	Sublist	PH	STD LOT	COMMENTS
10/31/12 1335	e09477.d	16	MB		5	0	1	HSLDEL			NH
10/31/12 1358	e09478.d	17	MB		5	0	1	HSLDEL			NH
10/31/12 1422	e09479.d	18	MB		5	0	1	HSLDEL			NH
10/31/12 1445	e09480.d	19	460-46388-A-4		5	0	1	HSLDEL			NH
10/31/12 1509	e09481.d	20	460-46388-A-2		5	0	1	HSLDEL			(not used)
10/31/12 1532	e09482.d	21	460-46388-A-3		5	0	1	HSLDEL			RR SX DL
10/31/12 1555	e09483.d	22	460-46388-A-1		5	0	10	HSLDEL			RR 2X DL
10/31/12 1619	e09484.d	23	460-46402-A-1		5	0	10	HSLDEL			NH RR 1X
10/31/12 1642	e09485.d	24	460-46388-A-1 MS		5	0	10	HSLDEL			NH RR 1X
10/31/12 1705	e09486.d	25	460-46388-A-1 MSD		5	0	10	HSLDEL			NH NOT used
10/31/12 1729	e09487.d	26	BLANK		5	0	1	HSLDEL			NH
10/31/12 1752	e09488.d	27	CCV		5	0	1	HSLDEL			NH
10/31/12 1815	e09489.d	28	CCV		5	0	1	HSLDEL			NH

Conditions: 10X-5ul-50ul 5V

Signed: *Ellie M* Read and Understood by: *Ken Boyle*

Date: 10/31/12

Date: 10/31/12

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMSS.1
Analytical Batch: /chem/VOAMSS.1/8260DE/10-31-12/31oct12a.b

Date Generated: 11/01/2012
Page 1

Date	Data File	ALS	Sample ID	Client ID	IV	FV	Dil	Sublist	PH	STD LOT	COMMENTS
10/31/12 2032	e09490.d	2	BRB		0	0	1	all			G
10/31/12 2054	e09491.d	1	CCVIS		5	0	1	HSDEL		8260 HIGH 8260 IS: 1805694 SURR 500:	G
10/31/12 2229	e09492.d	2	LCS		5	0	1	HSDEL		SURR 250: 1805695 GAS 500:	G
10/31/12 2253	e09493.d	3	LCSD		5	0	1	HSDEL		1805695 1818014 1818019 1818022 1818025 1818029 1818035 1818042 1818049 1818056 1818063 1818070 1818077 1818084 1818091 1818098 1818105 1818112 1818119 1818126 1818133 1818140 1818147 1818154 1818161 1818168 1818175 1818182 1818189 1818196 1818203 1818210 1818217 1818224 1818231 1818238 1818245 1818252 1818259 1818266 1818273 1818280 1818287 1818294 1818301 1818308 1818315 1818322 1818329 1818336 1818343 1818350 1818357 1818364 1818371 1818378 1818385 1818392 1818399 1818406 1818413 1818420 1818427 1818434 1818441 1818448 1818455 1818462 1818469 1818476 1818483 1818490 1818497 1818504 1818511 1818518 1818525 1818532 1818539 1818546 1818553 1818560 1818567 1818574 1818581 1818588 1818595 1818602 1818609 1818616 1818623 1818630 1818637 1818644 1818651 1818658 1818665 1818672 1818679 1818686 1818693 1818700 1818707 1818714 1818721 1818728 1818735 1818742 1818749 1818756 1818763 1818770 1818777 1818784 1818791 1818798 1818805 1818812 1818819 1818826 1818833 1818840 1818847 1818854 1818861 1818868 1818875 1818882 1818889 1818896 1818903 1818910 1818917 1818924 1818931 1818938 1818945 1818952 1818959 1818966 1818973 1818980 1818987 1818994 1819001 1819008 1819015 1819022 1819029 1819036 1819043 1819050 1819057 1819064 1819071 1819078 1819085 1819092 1819099 1819106 1819113 1819120 1819127 1819134 1819141 1819148 1819155 1819162 1819169 1819176 1819183 1819190 1819197 1819204 1819211 1819218 1819225 1819232 1819239 1819246 1819253 1819260 1819267 1819274 1819281 1819288 1819295 1819302 1819309 1819316 1819323 1819330 1819337 1819344 1819351 1819358 1819365 1819372 1819379 1819386 1819393 1819400 1819407 1819414 1819421 1819428 1819435 1819442 1819449 1819456 1819463 1819470 1819477 1819484 1819491 1819498 1819505 1819512 1819519 1819526 1819533 1819540 1819547 1819554 1819561 1819568 1819575 1819582 1819589 1819596 1819603 1819610 1819617 1819624 1819631 1819638 1819645 1819652 1819659 1819666 1819673 1819680 1819687 1819694 1819701 1819708 1819715 1819722 1819729 1819736 1819743 1819750 1819757 1819764 1819771 1819778 1819785 1819792 1819799 1819806 1819813 1819820 1819827 1819834 1819841 1819848 1819855 1819862 1819869 1819876 1819883 1819890 1819897 1819904 1819911 1819918 1819925 1819932 1819939 1819946 1819953 1819960 1819967 1819974 1819981 1819988 1819995 1820002 1820009 1820016 1820023 1820030 1820037 1820044 1820051 1820058 1820065 1820072 1820079 1820086 1820093 1820100 1820107 1820114 1820121 1820128 1820135 1820142 1820149 1820156 1820163 1820170 1820177 1820184 1820191 1820198 1820205 1820212 1820219 1820226 1820233 1820240 1820247 1820254 1820261 1820268 1820275 1820282 1820289 1820296 1820303 1820310 1820317 1820324 1820331 1820338 1820345 1820352 1820359 1820366 1820373 1820380 1820387 1820394 1820401 1820408 1820415 1820422 1820429 1820436 1820443 1820450 1820457 1820464 1820471 1820478 1820485 1820492 1820499 1820506 1820513 1820520 1820527 1820534 1820541 1820548 1820555 1820562 1820569 1820576 1820583 1820590 1820597 1820604 1820611 1820618 1820625 1820632 1820639 1820646 1820653 1820660 1820667 1820674 1820681 1820688 1820695 1820702 1820709 1820716 1820723 1820730 1820737 1820744 1820751 1820758 1820765 1820772 1820779 1820786 1820793 1820800 1820807 1820814 1820821 1820828 1820835 1820842 1820849 1820856 1820863 1820870 1820877 1820884 1820891 1820898 1820905 1820912 1820919 1820926 1820933 1820940 1820947 1820954 1820961 1820968 1820975 1820982 1820989 1820996 1821003 1821010 1821017 1821024 1821031 1821038 1821045 1821052 1821059 1821066 1821073 1821080 1821087 1821094 1821101 1821108 1821115 1821122 1821129 1821136 1821143 1821150 1821157 1821164 1821171 1821178 1821185 1821192 1821199 1821206 1821213 1821220 1821227 1821234 1821241 1821248 1821255 1821262 1821269 1821276 1821283 1821290 1821297 1821304 1821311 1821318 1821325 1821332 1821339 1821346 1821353 1821360 1821367 1821374 1821381 1821388 1821395 1821402 1821409 1821416 1821423 1821430 1821437 1821444 1821451 1821458 1821465 1821472 1821479 1821486 1821493 1821500 1821507 1821514 1821521 1821528 1821535 1821542 1821549 1821556 1821563 1821570 1821577 1821584 1821591 1821598 1821605 1821612 1821619 1821626 1821633 1821640 1821647 1821654 1821661 1821668 1821675 1821682 1821689 1821696 1821703 1821710 1821717 1821724 1821731 1821738 1821745 1821752 1821759 1821766 1821773 1821780 1821787 1821794 1821801 1821808 1821815 1821822 1821829 1821836 1821843 1821850 1821857 1821864 1821871 1821878 1821885 1821892 1821899 1821906 1821913 1821920 1821927 1821934 1821941 1821948 1821955 1821962 1821969 1821976 1821983 1821990 1821997 1822004 1822011 1822018 1822025 1822032 1822039 1822046 1822053 1822060 1822067 1822074 1822081 1822088 1822095 1822102 1822109 1822116 1822123 1822130 1822137 1822144 1822151 1822158 1822165 1822172 1822179 1822186 1822193 1822200 1822207 1822214 1822221 1822228 1822235 1822242 1822249 1822256 1822263 1822270 1822277 1822284 1822291 1822298 1822305 1822312 1822319 1822326 1822333 1822340 1822347 1822354 1822361 1822368 1822375 1822382 1822389 1822396 1822403 1822410 1822417 1822424 1822431 1822438 1822445 1822452 1822459 1822466 1822473 1822480 1822487 1822494 1822501 1822508 1822515 1822522 1822529 1822536 1822543 1822550 1822557 1822564 1822571 1822578 1822585 1822592 1822599 1822606 1822613 1822620 1822627 1822634 1822641 1822648 1822655 1822662 1822669 1822676 1822683 1822690 1822697 1822704 1822711 1822718 1822725 1822732 1822739 1822746 1822753 1822760 1822767 1822774 1822781 1822788 1822795 1822802 1822809 1822816 1822823 1822830 1822837 1822844 1822851 1822858 1822865 1822872 1822879 1822886 1822893 1822900 1822907 1822914 1822921 1822928 1822935 1822942 1822949 1822956 1822963 1822970 1822977 1822984 1822991 1822998 1823005 1823012 1823019 1823026 1823033 1823040 1823047 1823054 1823061 1823068 1823075 1823082 1823089 1823096 1823103 1823110 1823117 1823124 1823131 1823138 1823145 1823152 1823159 1823166 1823173 1823180 1823187 1823194 1823201 1823208 1823215 1823222 1823229 1823236 1823243 1823250 1823257 1823264 1823271 1823278 1823285 1823292 1823299 1823306 1823313 1823320 1823327 1823334 1823341 1823348 1823355 1823362 1823369 1823376 1823383 1823390 1823397 1823404 1823411 1823418 1823425 1823432 1823439 1823446 1823453 1823460 1823467 1823474 1823481 1823488 1823495 1823502 1823509 1823516 1823523 1823530 1823537 1823544 1823551 1823558 1823565 1823572 1823579 1823586 1823593 1823600 1823607 1823614 1823621 1823628 1823635 1823642 1823649 1823656 1823663 1823670 1823677 1823684 1823691 1823698 1823705 1823712 1823719 1823726 1823733 1823740 1823747 1823754 1823761 1823768 1823775 1823782 1823789 1823796 1823803 1823810 1823817 1823824 1823831 1823838 1823845 1823852 1823859 1823866 1823873 1823880 1823887 1823894 1823901 1823908 1823915 1823922 1823929 1823936 1823943 1823950 1823957 1823964 1823971 1823978 1823985 1823992 1824000 1824007 1824014 1824021 1824028 1824035 1824042 1824049 1824056 1824063 1824070 1824077 1824084 1824091 1824098 1824105 1824112 1824119 1824126 1824133 1824140 1824147 1824154 1824161 1824168 1824175 1824182 1824189 1824196 1824203 1824210 1824217 1824224 1824231 1824238 1824245 1824252 1824259 1824266 1824273 1824280 1824287 1824294 1824301 1824308 1824315 1824322 1824329 1824336 1824343 1824350 1824357 1824364 1824371 1824378 1824385 1824392 1824399 1824406 1824413 1824420 1824427 1824434 1824441 1824448 1824455 1824462 1824469 1824476 1824483 1824490 1824497 1824504 1824511 1824518 1824525 1824532 1824539 1824546 1824553 1824560 1824567 1824574 1824581 1824588 1824595 1824602 1824609 1824616 1824623 1824630 1824637 1824644 1824651 1824658 1824665 1824672 1824679 1824686 1824693 1824700 1824707 1824714 1824721 1824728 1824735 1824742 1824749 1824756 1824763 1824770 1824777 1824784 1824791 1824798 1824805 1824812 1824819 1824826 1824833 1824840 1824847 1824854 1824861 1824868 1824875 1824882 1824889 1824896 1824903 1824910 1824917 1824924 1824931 1824938 1824945 1824952 1824959 1824966 1824973 1824980 1824987 1824994 1825001 1825008 1825015 1825022 1825029 1825036 1825043 1825050 1825057 1825064 1825071 1825078 1825085 1825092 1825099 1825106 1825113 1825120 1825127 1825134 1825141 1825148 1825155 1825162 1825169 1825176 1825183 1825190 1825197 1825204 1825211 1825218 1825225 1825232 1825239 1825246 1825253 1825260 1825267 1825274 1825281 1825288 1825295 1825302 1825309 1825316 1825323 1825330 1825337 1825344 1825351 1825358 1825365 1825372 1825379 1825386 1825393 1825400 1825407 1825414 1825421 1825428 1825435 1825442 1825449 1825456 1825463 1825470 1825477 1825484 1825491 1825498 1825505 1825512 1825519 1825526 1825533 1825540 1825547 1825554 1825561 1825568 1825575 1825582 1825589 1825596 1825603 1825610 1825617 1825624 1825631 1825638 1825645 1825652 1825659 1825666 1825673 1825680 1825687 1825694 1825701 1825708 1825715 1825722 1825729 1825736 1825743 1825750 1825757 1825764 1825771 1825778 1825785 1825792 1825799 1825806 1825813 1825820 1825827 1825834 1825841 1825848 1825855 1825862 1825869 1825876 1825883 1825890 1825897 1825904 1825911 1825918 1825925 1825932 1825939 1825946 1825953 1825960 1825967 1825974 1825981 1825988 1825995 1826002 1826009 1826016 1826023 1826030 1826037 1826044 1826051 1826058 1826065 1826072 1826079 1826086 1826093 1826100 1826107 1826114 1826121 1826128 1826135 1826142 1826149 1826156 1826163 1826170 1826177 1826184 1826191 1826198 1826205 1826212 1826219 1826226 1826233 1826240 1826247 1826254 1826261 1826268 1826275 1826282 1826289 1826296 1826303 1826310 1826317 1826324 1826331 1826338 1826345 1826352 1826359 1826366 1826373 1826380 1826387 1826394 1826401 1826408 1826415 1826422 1826429 1826436 1826443 1826450 1826457 1826464 1826471 1826478 1826485 1826492 1826499 1826506 1826513 1826520 1826527 1826534 1826541 1826548 1826555 1826562 1826569 1826576 1826583 1826590 1826597 1826604 1826611 1826618 1826625 1826632 1826639 1826646 1826653 1826660 1826667 1826674 1826681 1826688 1826695 1826702 1826709 1826716 1826723 1826730 1826737 1826744 1826751 1826758 1826765 1826772 1826779 1826786 1826793 1826800 1826807 1826814 1826821 1826828 1826835 1826842 1826849 1826856 1826863 1826870 1826877 1826884 1826891 1826898 1826905 1826912 1826919 1826926 1826933 1826940 1826947 1826954 1826961 1826968 1826975 1826982 1826989 1826996 1827003 1827010 1827017 1827024 1827031 1827038 1827045 1827052 1827059 1827066 1827073 	

Method 8270 DEL

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

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): Rtx-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
WG-17338-102212-MW 30-MM-264	460-46388-1	65	43	93	89	95	102
WG-17338-102212-MW 36S-MM-265	460-46388-2	51	37	95	92	101	94
WG-17338-102212-MW 36S-MM-265 DL	460-46388-2 DL	54 D	38 D	99 D	102 D	102 D	100 D
WG-17338-102312-MW 36D-MM-266	460-46388-3	64	40	96	94	91	101
	MB 460-133851/1-A	59	40	87	84	91	98
	LCS 460-133851/2-A	51	33	75	73	79	71
	LCSD 460-133851/3-A	62	40	89	88	96	85

	<u>QC LIMITS</u>
2FP = 2-Fluorophenol (Surr)	10-65
PHL = Phenol-d5 (Surr)	10-48
NBZ = Nitrobenzene-d5 (Surr)	56-112
FBP = 2-Fluorobiphenyl	53-108
TBP = 2,4,6-Tribromophenol (Surr)	46-122
TPH = Terphenyl-d14 (Surr)	50-122

Column to be used to flag recovery values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: x31512.d
 Lab ID: LCS 460-133851/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	100	74.1	74	66-112	
Phenol	100	38.9	39	12-44	
2,4,6-Trichlorophenol	100	80.0	80	67-111	
Bis(2-chloroethyl)ether	100	77.9	78	62-108	
2,4-Dichlorophenol	100	83.2	83	64-107	
2-Chlorophenol	100	78.5	79	53-101	
2,4-Dinitrotoluene	100	78.5	79	65-113	
2,2'-oxybis[1-chloropropane]	100	76.8	77	68-107	
Acetophenone	100	78.8	79	68-109	
2-Methylnaphthalene	100	76.9	77	66-102	
4-Methylphenol	100	68.1	68	30-75	
2-Methylphenol	100	71.3	71	40-90	
2-Nitroaniline	100	82.2	82	73-116	
Hexachloroethane	100	73.1	73	50-99	
Nitrobenzene	100	74.5	75	66-106	
4-Chloro-3-methylphenol	100	81.1	81	57-106	
Isophorone	100	75.6	76	68-108	
2-Nitrophenol	100	76.9	77	65-107	
4-Chlorophenyl phenyl ether	100	79.0	79	68-105	
2,4-Dimethylphenol	100	77.5	78	55-100	
4-Nitroaniline	100	84.0	84	49-119	
4-Nitrophenol	100	38.7	39	10-44	
Bis(2-chloroethoxy)methane	100	79.5	79	69-108	
Atrazine	100	65.7	66	56-116	
Naphthalene	100	76.1	76	63-101	
Benzaldehyde	100	106	106	52-150	
4-Chloroaniline	100	72.2	72	58-105	
Benzo[a]pyrene	100	74.5	74	58-101	
Hexachlorobutadiene	100	72.7	73	52-99	
Benzo[k]fluoranthene	100	76.1	76	66-114	
Caprolactam	100	21.4	21	10-30	
Carbazole	100	80.2	80	67-110	
Hexachlorocyclopentadiene	100	62.5	62	40-105	
Dibenz(a,h)anthracene	100	82.1	82	67-124	
2,4,5-Trichlorophenol	100	80.8	81	67-114	
Dimethyl phthalate	100	77.2	77	69-111	
2-Chloronaphthalene	100	75.8	76	65-107	
Fluoranthene	100	86.1	86	68-108	
Fluorene	100	77.3	77	68-105	
2,6-Dinitrotoluene	100	77.2	77	68-114	
Acenaphthylene	100	75.2	75	67-107	
3-Nitroaniline	100	81.4	81	59-108	

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.: 460-46388-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: x31512.d
 Lab ID: LCS 460-133851/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
N-Nitrosodi-n-propylamine	100	80.7	81	70-109	
Acenaphthene	100	76.1	76	66-108	
2,4-Dinitrophenol	100	81.6	82	19-113	
Dibenzofuran	100	74.7	75	68-105	
Diethyl phthalate	100	77.7	78	66-109	
4,6-Dinitro-2-methylphenol	100	85.2	85	58-115	
N-Nitrosodiphenylamine	100	84.6	85	71-121	
4-Bromophenyl phenyl ether	100	77.1	77	66-110	
Hexachlorobenzene	100	76.5	76	65-107	
Pentachlorophenol	100	75.1	75	55-116	
Phenanthrene	100	78.9	79	68-110	
Anthracene	100	77.1	77	68-108	
Di-n-butyl phthalate	100	84.1	84	68-111	
Pyrene	100	71.3	71	61-110	
Butyl benzyl phthalate	100	80.6	81	66-115	
3,3'-Dichlorobenzidine	100	81.7	82	69-129	
Benzo[a]anthracene	100	79.1	79	65-106	
Chrysene	100	76.9	77	68-112	
Bis(2-ethylhexyl) phthalate	100	82.0	82	66-114	
Di-n-octyl phthalate	100	80.6	81	51-115	
Benzo[b]fluoranthene	100	70.4	70	65-111	
Indeno[1,2,3-cd]pyrene	100	73.4	73	68-121	
Benzo[g,h,i]perylene	100	75.6	76	65-134	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: x31513.d
Lab ID: LCSD 460-133851/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1'-Biphenyl	100	90.8	91	20	30	66-112	
Phenol	100	45.7	46	16	30	12-44	*
2,4,6-Trichlorophenol	100	97.0	97	19	30	67-111	
Bis(2-chloroethyl)ether	100	91.9	92	16	30	62-108	
2,4-Dichlorophenol	100	99.1	99	17	30	64-107	
2-Chlorophenol	100	93.8	94	18	30	53-101	
2,4-Dinitrotoluene	100	95.3	95	19	30	65-113	
2,2'-oxybis[1-chloropropane]	100	92.0	92	18	30	68-107	
Acetophenone	100	93.9	94	17	30	68-109	
2-Methylnaphthalene	100	91.0	91	17	30	66-102	
4-Methylphenol	100	80.5	80	17	30	30-75	*
2-Methylphenol	100	84.4	84	17	30	40-90	
2-Nitroaniline	100	101	101	20	30	73-116	
Hexachloroethane	100	86.9	87	17	30	50-99	
Nitrobenzene	100	87.8	88	16	30	66-106	
4-Chloro-3-methylphenol	100	95.7	96	17	30	57-106	
Isophorone	100	90.2	90	18	30	68-108	
2-Nitrophenol	100	91.7	92	18	30	65-107	
4-Chlorophenyl phenyl ether	100	95.4	95	19	30	68-105	
2,4-Dimethylphenol	100	93.8	94	19	30	55-100	
4-Nitroaniline	100	101	101	19	30	49-119	
4-Nitrophenol	100	46.7	47	19	30	10-44	*
Bis(2-chloroethoxy)methane	100	92.9	93	16	30	69-108	
Atrazine	100	79.6	80	19	30	56-116	
Naphthalene	100	90.3	90	17	30	63-101	
Benzaldehyde	100	128	128	19	30	52-150	
4-Chloroaniline	100	86.8	87	18	30	58-105	
Benzo[a]pyrene	100	91.0	91	20	30	58-101	
Hexachlorobutadiene	100	85.9	86	17	30	52-99	
Benzo[k]fluoranthene	100	90.5	90	17	30	66-114	
Caprolactam	100	26.4	26	21	30	10-30	
Carbazole	100	99.5	99	21	30	67-110	
Hexachlorocyclopentadiene	100	76.2	76	20	30	40-105	
Dibenz(a,h)anthracene	100	98.9	99	19	30	67-124	
2,4,5-Trichlorophenol	100	97.8	98	19	30	67-114	
Dimethyl phthalate	100	94.1	94	20	30	69-111	
2-Chloronaphthalene	100	91.4	91	19	30	65-107	
Fluoranthene	100	101	101	16	30	68-108	
Fluorene	100	93.0	93	18	30	68-105	
2,6-Dinitrotoluene	100	97.4	97	23	30	68-114	
Acenaphthylene	100	91.1	91	19	30	67-107	
3-Nitroaniline	100	98.6	99	19	30	59-108	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: x31513.d
Lab ID: LCSD 460-133851/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
N-Nitrosodi-n-propylamine	100	97.2	97	19	30	70-109	
Acenaphthene	100	91.0	91	18	30	66-108	
2,4-Dinitrophenol	100	104	104	24	30	19-113	
Dibenzofuran	100	91.5	92	20	30	68-105	
Diethyl phthalate	100	94.9	95	20	30	66-109	
4,6-Dinitro-2-methylphenol	100	106	106	22	30	58-115	
N-Nitrosodiphenylamine	100	103	103	19	30	71-121	
4-Bromophenyl phenyl ether	100	92.8	93	18	30	66-110	
Hexachlorobenzene	100	93.7	94	20	30	65-107	
Pentachlorophenol	100	91.7	92	20	30	55-116	
Phenanthrene	100	94.3	94	18	30	68-110	
Anthracene	100	95.6	96	21	30	68-108	
Di-n-butyl phthalate	100	100	100	17	30	68-111	
Pyrene	100	84.2	84	17	30	61-110	
Butyl benzyl phthalate	100	97.2	97	19	30	66-115	
3,3'-Dichlorobenzidine	100	98.1	98	18	30	69-129	
Benzo[a]anthracene	100	95.2	95	18	30	65-106	
Chrysene	100	93.5	93	19	30	68-112	
Bis(2-ethylhexyl) phthalate	100	96.9	97	17	30	66-114	
Di-n-octyl phthalate	100	99.0	99	20	30	51-115	
Benzo[b]fluoranthene	100	86.7	87	21	30	65-111	
Indeno[1,2,3-cd]pyrene	100	88.6	89	19	30	68-121	
Benzo[g,h,i]perylene	100	92.3	92	20	30	65-134	

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.: 460-46388-1
SDG No.: _____
Lab File ID: x31511.d Lab Sample ID: MB 460-133851/1-A
Matrix: Water Date Extracted: 10/27/2012 19:10
Instrument ID: BNAMS5 Date Analyzed: 11/01/2012 00:13
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WG-17338-102212-MW30-MM-264	460-46388-1	x31508.d	10/31/2012 17:50
WG-17338-102212-MW36S-MM-265	460-46388-2	x31509.d	10/31/2012 23:30
WG-17338-102312-MW36D-MM-266	460-46388-3	x31510.d	10/31/2012 23:51
	LCS 460-133851/2-A	x31512.d	11/01/2012 00:35
	LCSD 460-133851/3-A	x31513.d	11/01/2012 00:57
WG-17338-102212-MW36S-MM-265 DL	460-46388-2 DL	x31654.d	11/06/2012 02:01

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Lab File ID: x31132.d DFTPP Injection Date: 10/17/2012
Instrument ID: BNAMS5 DFTPP Injection Time: 04:25
Analysis Batch No.: 134049

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	41.4
68	Less than 2.0 % of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	43.7
70	Less than 2.0 % of mass 69	0.3 (0.6) 1
127	40.0 - 60.0 % of mass 198	54.4
197	Less than 1.0 % of mass 198	0.8
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	27.2
365	Greater than 1.0 % of mass 198	3.6
441	Present but less than mass 443	8.8 (86.3) 1
442	Greater than 40.0 % of mass 198	56.9
443	17.0 - 23.0 % of mass 442	10.2 (17.9) 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 460-134049/2	x31133.d	10/17/2012	05:10
	IC 460-134049/3	x31134.d	10/17/2012	05:47
	IC 460-134049/4	x31135.d	10/17/2012	06:09
	IC 460-134049/5	x31136.d	10/17/2012	06:31
	IC 460-134049/6	x31138.d	10/17/2012	07:15

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Lab File ID: x31501.d DFTPP Injection Date: 10/31/2012
Instrument ID: BNAMS5 DFTPP Injection Time: 14:34
Analysis Batch No.: 134248

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	36.2
68	Less than 2.0 % of mass 69	0.7 (1.6) 1
69	Mass 69 relative abundance	40.4
70	Less than 2.0 % of mass 69	0.3 (0.6) 1
127	40.0 - 60.0 % of mass 198	54.6
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	27.1
365	Greater than 1.0 % of mass 198	3.3
441	Present but less than mass 443	8.8 (84.3) 1
442	Greater than 40.0 % of mass 198	55.8
443	17.0 - 23.0 % of mass 442	10.4 (18.7) 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 460-134248/2	x31502.d	10/31/2012	14:53
WG-17338-102212-MW30-MM-264	460-46388-1	x31508.d	10/31/2012	17:50
WG-17338-102212-MW36S-M-265	460-46388-2	x31509.d	10/31/2012	23:30
WG-17338-102312-MW36D-M-266	460-46388-3	x31510.d	10/31/2012	23:51
	MB 460-133851/1-A	x31511.d	11/01/2012	00:13
	LCS 460-133851/2-A	x31512.d	11/01/2012	00:35
	LCSD 460-133851/3-A	x31513.d	11/01/2012	00:57
	CCV 460-134249/1	x31514.d	11/01/2012	01:19

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Lab File ID: x31651.d DFTPP Injection Date: 11/06/2012
Instrument ID: BNAMS5 DFTPP Injection Time: 00:41
Analysis Batch No.: 134518

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	37.1
68	Less than 2.0 % of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	41.2
70	Less than 2.0 % of mass 69	0.2 (0.5) 1
127	40.0 - 60.0 % of mass 198	54.5
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	25.3
365	Greater than 1.0 % of mass 198	3.1
441	Present but less than mass 443	8.3 (93.4) 1
442	Greater than 40.0 % of mass 198	51.1
443	17.0 - 23.0 % of mass 442	8.9 (17.4) 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
	CCVIS 460-134518/2	x31652.d	11/06/2012	00:56
WG-17338-102212-MW36S-M M-265 DL	460-46388-2 DL	x31654.d	11/06/2012	02:01
	CCV 460-134519/1	x31655.d	11/06/2012	02:23

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Sample No.: CCVIS 460-134248/2 Date Analyzed: 10/31/2012 14:53
 Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25 (mm)
 Lab File ID (Standard): x31502.d Heated Purge: (Y/N) N
 Calibration ID: 18336

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		681221	3.32	2171539	4.62	809382	6.36
UPPER LIMIT		1362442	3.82	4343078	5.12	1618764	6.86
LOWER LIMIT		340611	2.82	1085770	4.12	404691	5.86
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-46388-1	WG-17338-102212-MW30-MM-264	845544	3.32	2917397	4.62	1202843	6.36
460-46388-2	WG-17338-102212-MW36S-MM-265	677636	3.32	2254914	4.62	918227	6.36
460-46388-3	WG-17338-102312-MW36D-MM-266	709870	3.32	2430392	4.62	957107	6.36
MB 460-133851/1-A		928121	3.32	3313038	4.62	1400768	6.36
LCS 460-133851/2-A		928635	3.32	2996877	4.62	1172921	6.36
LCSD 460-133851/3-A		776683	3.32	2540116	4.62	972611	6.36

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.: 460-46388-1
 SDG No.: _____
 Sample No.: CCVIS 460-134248/2 Date Analyzed: 10/31/2012 14:53
 Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25 (mm)
 Lab File ID (Standard): x31502.d Heated Purge: (Y/N) N
 Calibration ID: 18336

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	908965	7.79	488185	10.35	401693	11.94
UPPER LIMIT	1817930	8.29	976370	10.85	803386	12.44
LOWER LIMIT	454483	7.29	244093	9.85	200847	11.44
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-46388-1	WG-17338-102212-MW30-MM-264		1251611	7.79	604650	10.35
460-46388-2	WG-17338-102212-MW36S-MM-265		978265	7.79	612828	10.35
460-46388-3	WG-17338-102312-MW36D-MM-266		1005498	7.79	498222	10.35
MB 460-133851/1-A			1532889	7.79	716043	10.35
LCS 460-133851/2-A			1329251	7.79	865920	10.35
LCSD 460-133851/3-A			1097379	7.79	723553	10.35
					629140	11.94

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.: 460-46388-1
SDG No.: _____
Sample No.: CCVIS 460-134518/2 Date Analyzed: 11/06/2012 00:56
Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25 (mm)
Lab File ID (Standard): x31652.d Heated Purge: (Y/N) N
Calibration ID: 18336

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	679545	3.22	2231336	4.53	890856	6.27
UPPER LIMIT	1359090	3.72	4462672	5.03	1781712	6.77
LOWER LIMIT	339773	2.72	1115668	4.03	445428	5.77
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-46388-2 DL	WG-17338-102212-MW36S -MM-265 DL		701905	3.22	2454888	4.53
					1038195	6.26

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.: 460-46388-1
SDG No.: _____
Sample No.: CCVIS 460-134518/2 Date Analyzed: 11/06/2012 00:56
Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25 (mm)
Lab File ID (Standard): x31652.d Heated Purge: (Y/N) N
Calibration ID: 18336

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	955747	7.69	491041	10.24	398178	11.80
UPPER LIMIT	1911494	8.19	982082	10.74	796356	12.30
LOWER LIMIT	477874	7.19	245521	9.74	199089	11.30
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-46388-2 DL	WG-17338-102212-MW36S -MM-265 DL		1182985	7.69	626112	10.24
					494910	11.80

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: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Client Sample ID: WG-17338-102212-MW30-MM-2 Lab Sample ID: 460-46388-1

Matrix: Water Lab File ID: x31508.d

Analysis Method: 8270C Date Collected: 10/22/2012 10:45

Extract. Method: 3510C Date Extracted: 10/27/2012 19:10

Sample wt/vol: 960 (mL) Date Analyzed: 10/31/2012 17:50

Con. Extract Vol.: 2 (mL) Dilution Factor: 1

Injection Volume: 1 (uL) Level: (low/med) Low

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

Analysis Batch No.: 134248 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2.9	U	10	2.9
108-95-2	Phenol	0.84	U *	10	0.84
88-06-2	2,4,6-Trichlorophenol	2.5	U	10	2.5
111-44-4	Bis(2-chloroethyl) ether	0.29	U	1.0	0.29
120-83-2	2,4-Dichlorophenol	2.7	U	10	2.7
95-57-8	2-Chlorophenol	2.3	U	10	2.3
121-14-2	2,4-Dinitrotoluene	0.49	U	2.1	0.49
108-60-1	2,2'-oxybis[1-chloropropane]	2.1	U	10	2.1
98-86-2	Acetophenone	2.8	U	10	2.8
91-57-6	2-Methylnaphthalene	3.1	U	10	3.1
106-44-5	4-Methylphenol	1.7	U *	10	1.7
95-48-7	2-Methylphenol	1.9	U	10	1.9
88-74-4	2-Nitroaniline	5.1	U	21	5.1
67-72-1	Hexachloroethane	0.26	U	1.0	0.26
98-95-3	Nitrobenzene	0.31	U	1.0	0.31
59-50-7	4-Chloro-3-methylphenol	2.6	U	10	2.6
78-59-1	Isophorone	2.8	U	10	2.8
88-75-5	2-Nitrophenol	2.5	U	10	2.5
7005-72-3	4-Chlorophenyl phenyl ether	2.6	U	10	2.6
105-67-9	2,4-Dimethylphenol	3.5	U	10	3.5
100-01-6	4-Nitroaniline	6.0	U	21	6.0
100-02-7	4-Nitrophenol	7.0	U *	31	7.0
111-91-1	Bis(2-chloroethoxy)methane	2.7	U	10	2.7
1912-24-9	Atrazine	3.1	U	10	3.1
91-20-3	Naphthalene	2.8	U	10	2.8
100-52-7	Benzaldehyde	2.1	U	10	2.1
106-47-8	4-Chloroaniline	2.1	U	10	2.1
87-68-3	Hexachlorobutadiene	0.59	U	2.1	0.59
207-08-9	Benzo[k]fluoranthene	0.27	U	1.0	0.27
105-60-2	Caprolactam	2.6	U	10	2.6
86-74-8	Carbazole	3.3	U	10	3.3
77-47-4	Hexachlorocyclopentadiene	1.8	U	10	1.8
53-70-3	Dibenz(a,h)anthracene	0.094	U	1.0	0.094
95-95-4	2,4,5-Trichlorophenol	2.7	U	10	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Client Sample ID: WG-17338-102212-MW30-MM-2 Lab Sample ID: 460-46388-1
 Matrix: Water Lab File ID: x31508.d
 Analysis Method: 8270C Date Collected: 10/22/2012 10:45
 Extract. Method: 3510C Date Extracted: 10/27/2012 19:10
 Sample wt/vol: 960 (mL) Date Analyzed: 10/31/2012 17:50
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 134248 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
131-11-3	Dimethyl phthalate	2.9	U	10	2.9
91-58-7	2-Chloronaphthalene	2.8	U	10	2.8
206-44-0	Fluoranthene	3.3	U	10	3.3
86-73-7	Fluorene	2.9	U	10	2.9
606-20-2	2,6-Dinitrotoluene	0.64	U	2.1	0.64
208-96-8	Acenaphthylene	2.8	U	10	2.8
99-09-2	3-Nitroaniline	5.2	U	21	5.2
621-64-7	N-Nitrosodi-n-propylamine	0.26	U	1.0	0.26
83-32-9	Acenaphthene	2.8	U	10	2.8
51-28-5	2,4-Dinitrophenol	5.6	U	31	5.6
132-64-9	Dibenzofuran	2.9	U	10	2.9
84-66-2	Diethyl phthalate	3.0	U	10	3.0
534-52-1	4,6-Dinitro-2-methylphenol	4.9	U	31	4.9
86-30-6	N-Nitrosodiphenylamine	3.0	U	10	3.0
101-55-3	4-Bromophenyl phenyl ether	2.6	U	10	2.6
85-01-8	Phenanthrene	3.2	U	10	3.2
120-12-7	Anthracene	2.9	U	10	2.9
84-74-2	Di-n-butyl phthalate	3.0	U	10	3.0
129-00-0	Pyrene	3.0	U	10	3.0
85-68-7	Butyl benzyl phthalate	2.6	U	10	2.6
91-94-1	3,3'-Dichlorobenzidine	5.1	U	21	5.1
218-01-9	Chrysene	3.2	U	10	3.2
117-81-7	Bis(2-ethylhexyl) phthalate	2.1	U	10	2.1
117-84-0	Di-n-octyl phthalate	1.6	U	10	1.6
193-39-5	Indeno[1,2,3-cd]pyrene	0.16	U	1.0	0.16
191-24-2	Benzo[g,h,i]perylene	2.1	U	10	2.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: WG-17338-102212-MW30-MM-2 Lab Sample ID: 460-46388-1
Matrix: Water Lab File ID: x31508.d
Analysis Method: 8270C Date Collected: 10/22/2012 10:45
Extract. Method: 3510C Date Extracted: 10/27/2012 19:10
Sample wt/vol: 960 (mL) Date Analyzed: 10/31/2012 17:50
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 134248 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	95		46-122
321-60-8	2-Fluorobiphenyl	89		53-108
367-12-4	2-Fluorophenol (Surr)	65		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	93		56-112
4165-62-2	Phenol-d5 (Surr)	43		10-48
1718-51-0	Terphenyl-d14 (Surr)	102		50-122

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: WG-17338-102212-MW30-MM-2 Lab Sample ID: 460-46388-1
Matrix: Water Lab File ID: x31508.d
Analysis Method: 8270C Date Collected: 10/22/2012 10:45
Extract. Method: 3510C Date Extracted: 10/27/2012 19:10
Sample wt/vol: 960 (mL) Date Analyzed: 10/31/2012 17:50
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 134248 Units: ug/L
Number TICs Found: 11 TIC Result Total: 253.2

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	1.11	42	J
	Unknown-2	1.24	61	J
	Unknown-3	1.88	35	J
	Unknown-4	4.12	10	J
934-34-9	2 (3H) -Benzothiazolone	7.27	9.2	J N
	Nonylphenol isomer	7.37	17	J
	Nonylphenol isomer-2	7.40	23	J
	Nonylphenol isomer-3	7.44	23	J
	Nonylphenol isomer-4	7.54	9.0	J
	Nonylphenol isomer-5	7.58	14	J
	Nonylphenol isomer-6	7.62	10	J

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31508.d
 Report Date: 02-Nov-2012 11:18

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31508.d
 Lab Smp Id: 460-46388-F-1-B
 Inj Date : 31-OCT-2012 17:50
 Operator : BNAMS 4 Inst ID: BNAMS5.i
 Smp Info : 460-46388-F-1-B
 Misc Info : 460-46388-F-1-B
 Comment :
 Method : /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/8270Cdel_08.m
 Meth Date : 31-Oct-2012 14:29 croccom Quant Type: ISTD
 Cal Date : 31-OCT-2012 14:53 Cal File: x31502.d
 Als bottle: 8
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allh20.sub
 Target Version: 3.50
 Processing Host: hpd1

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	960.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/ml)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 16 2-Fluorophenol (SUR)		112	2.128	2.122 (0.642)		769963	32.7181	68(R)
\$ 17 Phenol-d5 (SUR)		99	2.998	3.010 (0.904)		546811	21.5666	45
* 79 1,4-Dichlorobenzene-d4		152	3.316	3.322 (1.000)		845544	40.0000	
23 1,2-Dichlorobenzene		146	3.493	3.493 (1.053)		4020	0.13020	0.27(a)
\$ 76 Nitrobenzene-d5 (SUR)		82	3.898	3.904 (0.845)		1217187	46.5759	97
* 80 Naphthalene-d8		136	4.616	4.622 (1.000)		2917397	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)		172	5.722	5.722 (0.900)		2007712	44.7294	93
* 82 Acenaphthene-d10		164	6.357	6.357 (1.000)		1202843	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)		330	7.128	7.128 (1.121)		151941	47.3293	99
* 83 Phenanthrene-d10		188	7.786	7.792 (1.000)		1251611	40.0000	
\$ 78 Terphenyl-d14		244	9.357	9.357 (0.904)		804293	50.9851	110
* 81 Chrysene-d12		240	10.345	10.351 (1.000)		604650	40.0000	
* 84 Perylene-d12		264	11.939	11.939 (1.000)		494245	40.0000	

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31508.d
Report Date: 02-Nov-2012 11:18

QC Flag Legend

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

Data File: x31508.d

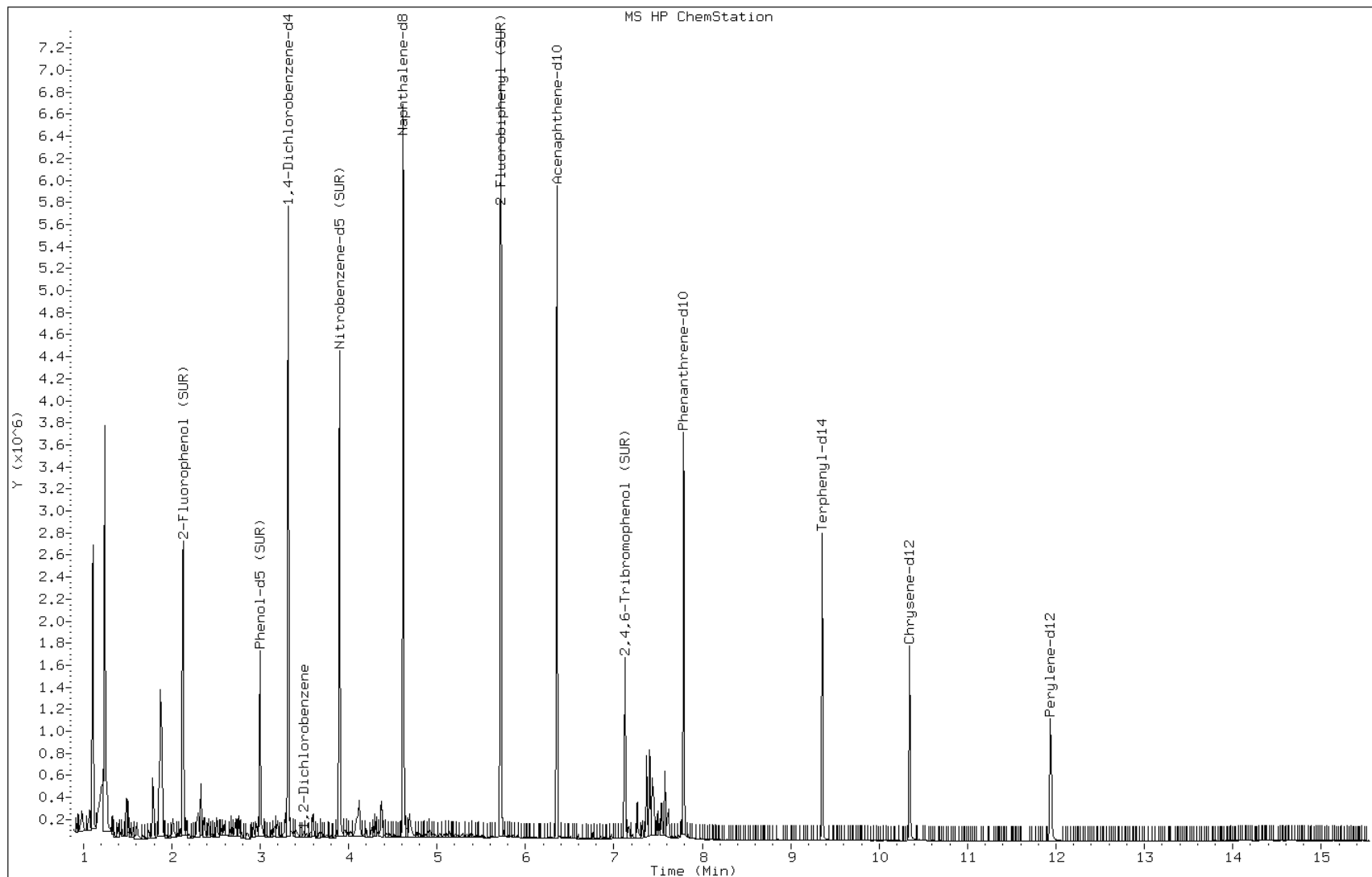
Date: 31-OCT-2012 17:50

Client ID:

Instrument: BNAMS5.i

Sample Info: 460-46388-F-1-B

Operator: BNAMS 4



Data File: x31508.d

Date: 31-OCT-2012 17:50

Client ID:

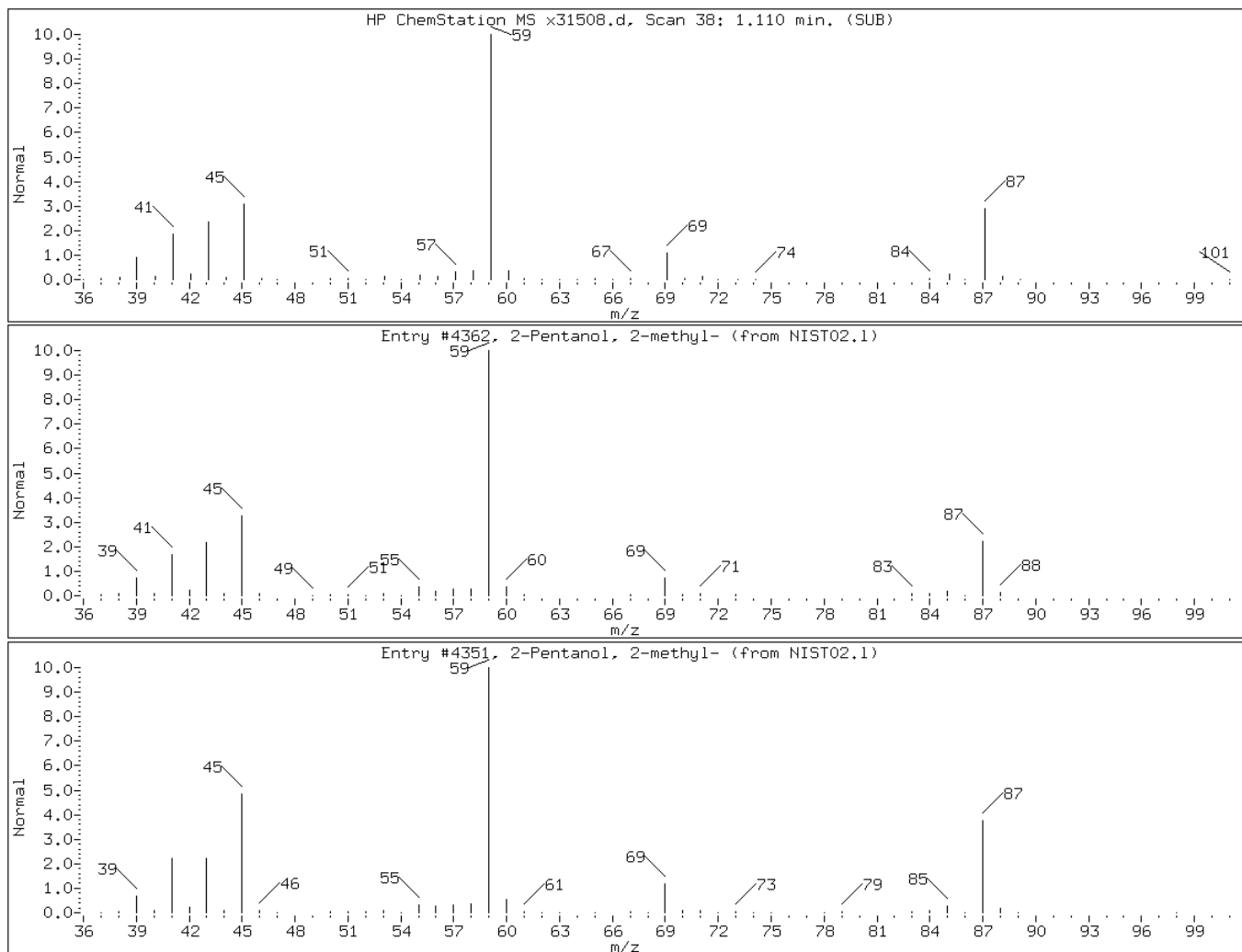
Instrument: BNAMS5.i

Sample Info: 460-46388-F-1-B

Operator: BNAMS 4

Retention Time: 1.11

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Pentanol, 2-methyl-	590-36-3	NIST02.1	4362	83	C6H14O	102
2-Pentanol, 2-methyl-	590-36-3	NIST02.1	4351	74	C6H14O	102



Data File: x31508.d

Date: 31-OCT-2012 17:50

Client ID:

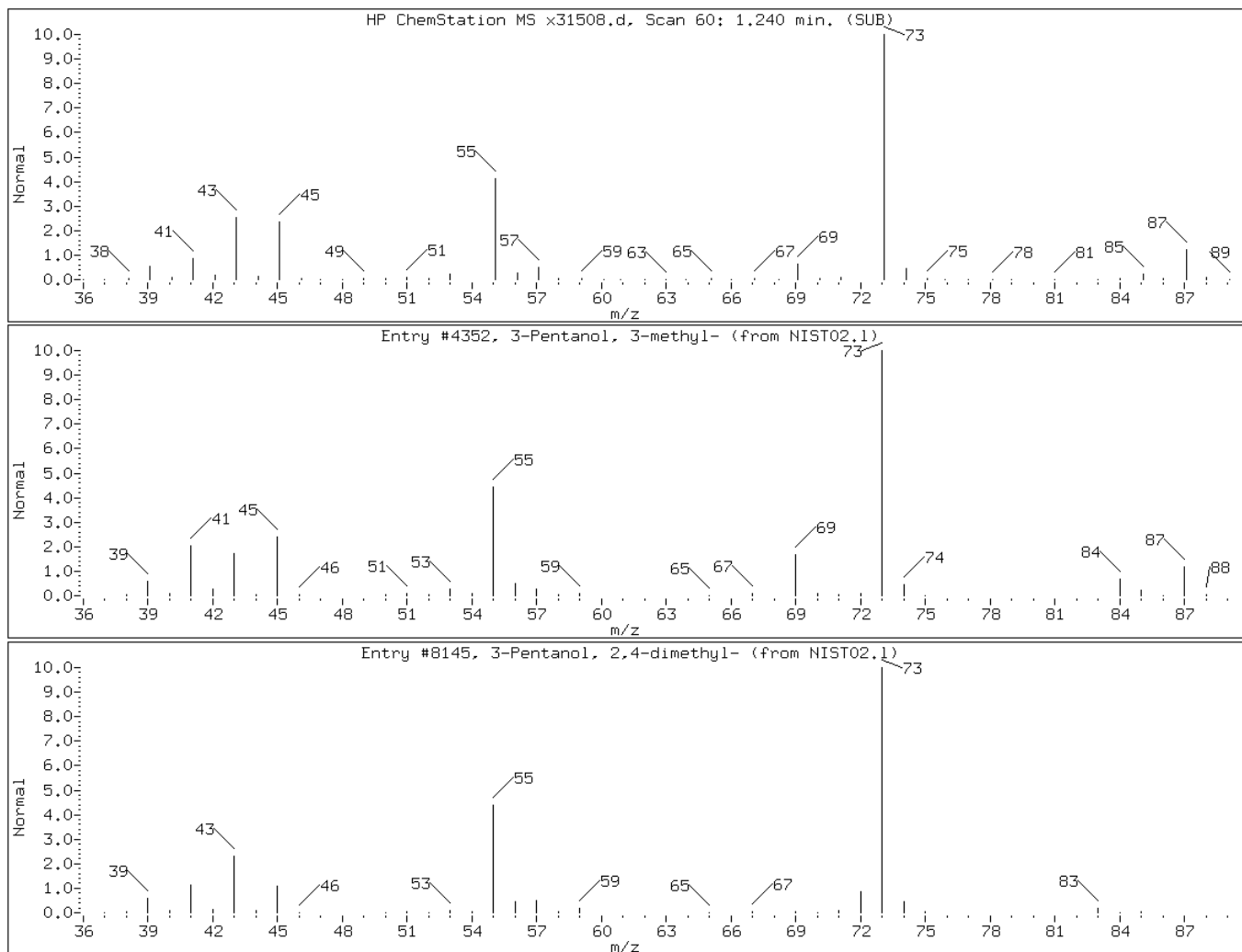
Instrument: BNAMS5.i

Sample Info: 460-46388-F-1-B

Operator: BNAMS 4

Retention Time: 1.24

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-2						
3-Pentanol, 3-methyl-	77-74-7	NIST02.1	4352	64	C6H14O	102
3-Pentanol, 2,4-dimethyl-	600-36-2	NIST02.1	8145	28	C7H16O	116



Data File: x31508.d

Date: 31-OCT-2012 17:50

Client ID:

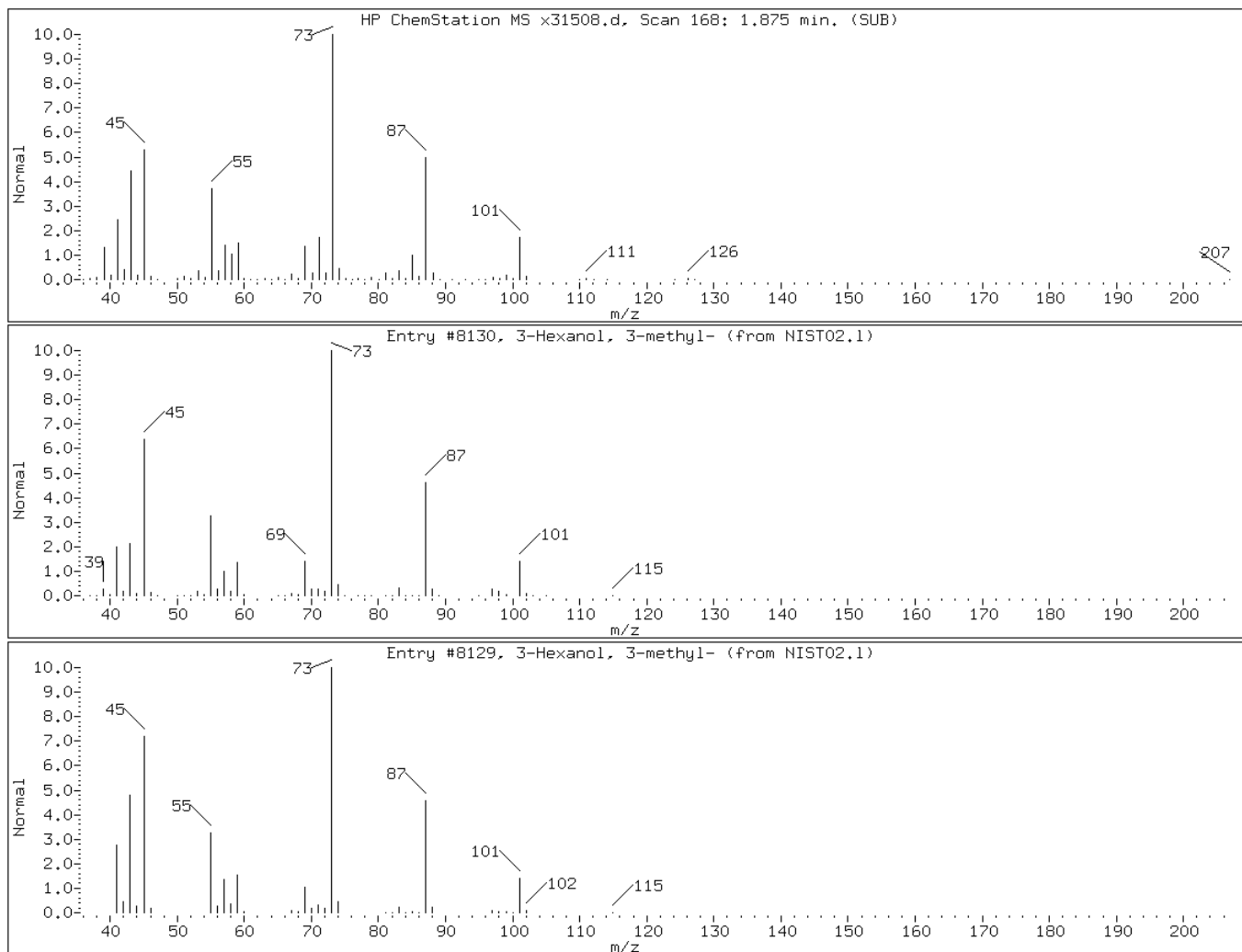
Instrument: BNAMS5.i

Sample Info: 460-46388-F-1-B

Operator: BNAMS 4

Retention Time: 1.88

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-3						
3-Hexanol, 3-methyl-	597-96-6	NIST02.1	8130	72	C7H16O	116
3-Hexanol, 3-methyl-	597-96-6	NIST02.1	8129	64	C7H16O	116



Data File: x31508.d

Date: 31-OCT-2012 17:50

Client ID:

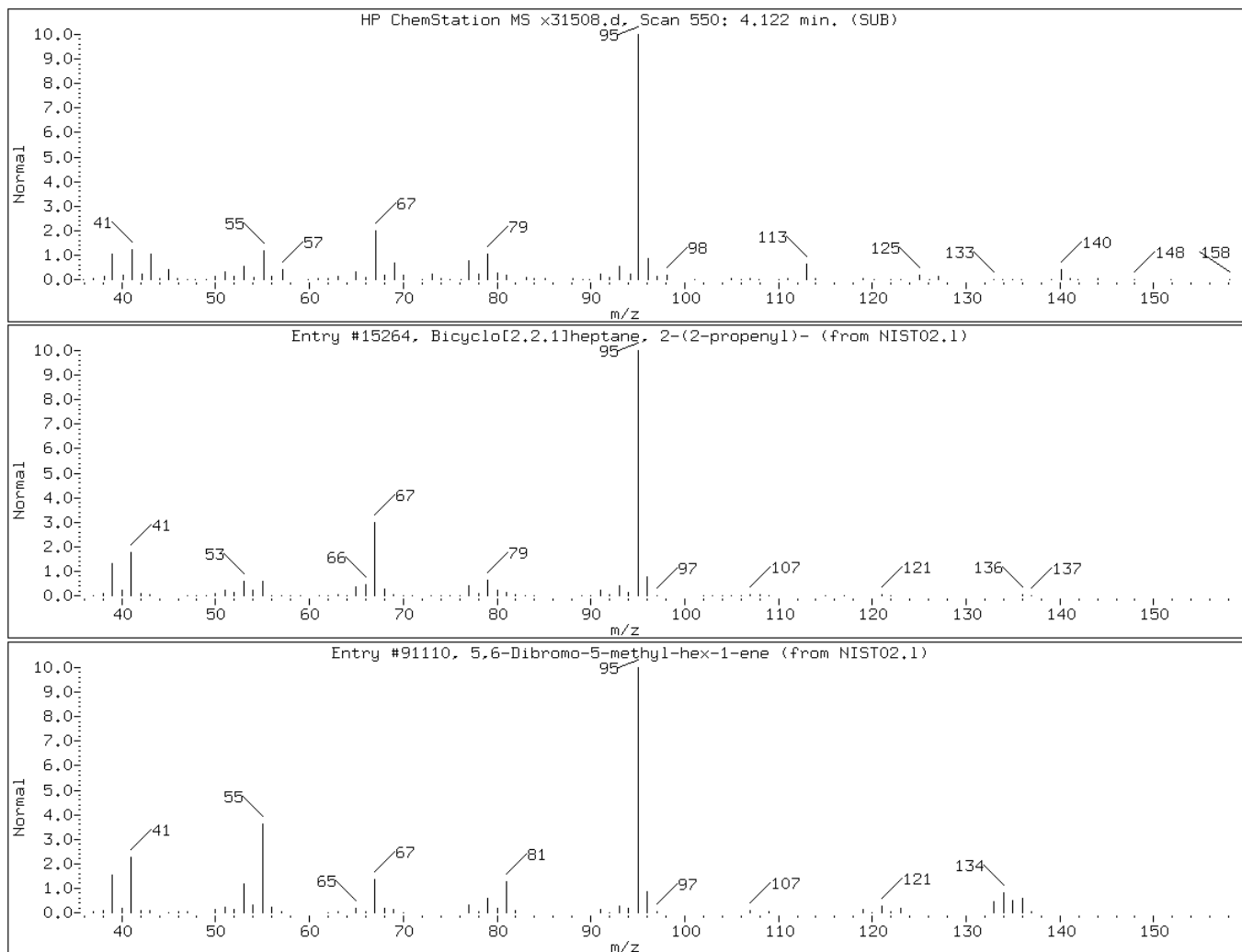
Instrument: BNAMS5.i

Sample Info: 460-46388-F-1-B

Operator: BNAMS 4

Retention Time: 4.12

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-4						
Bicyclo[2.2.1]heptane, 2-(2-propenyl)-	2633-80-9	NIST02.1	15264	72	C10H16	136
5,6-Dibromo-5-methyl-hex-1-ene	1000192-24-6	NIST02.1	91110	59	C7H12Br2	254



Data File: x31508.d

Date: 31-OCT-2012 17:50

Client ID:

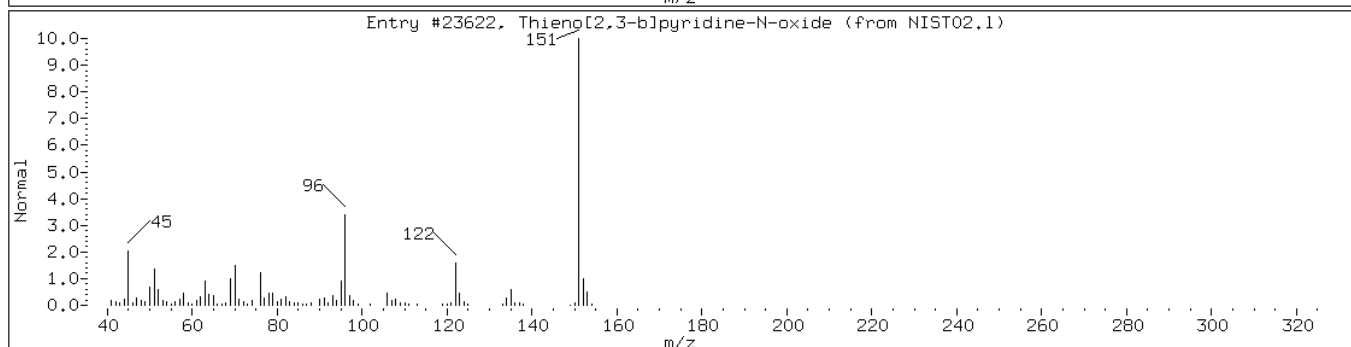
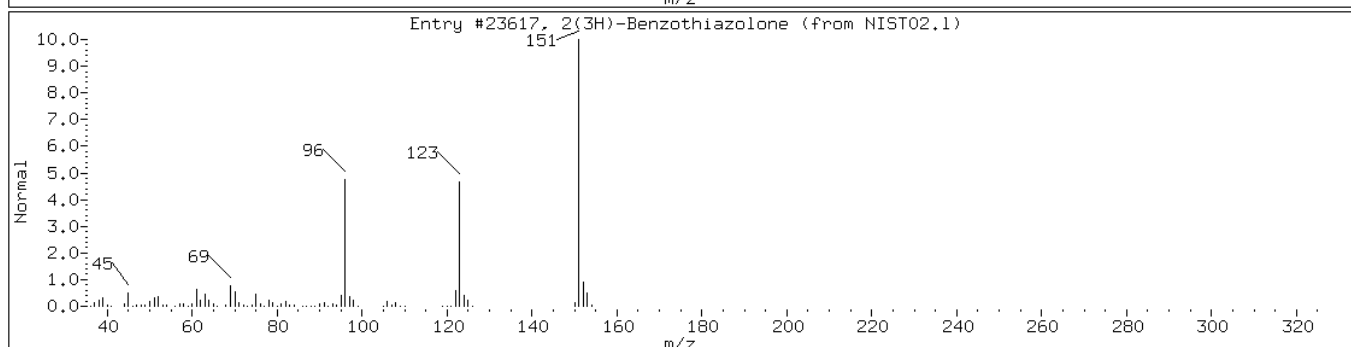
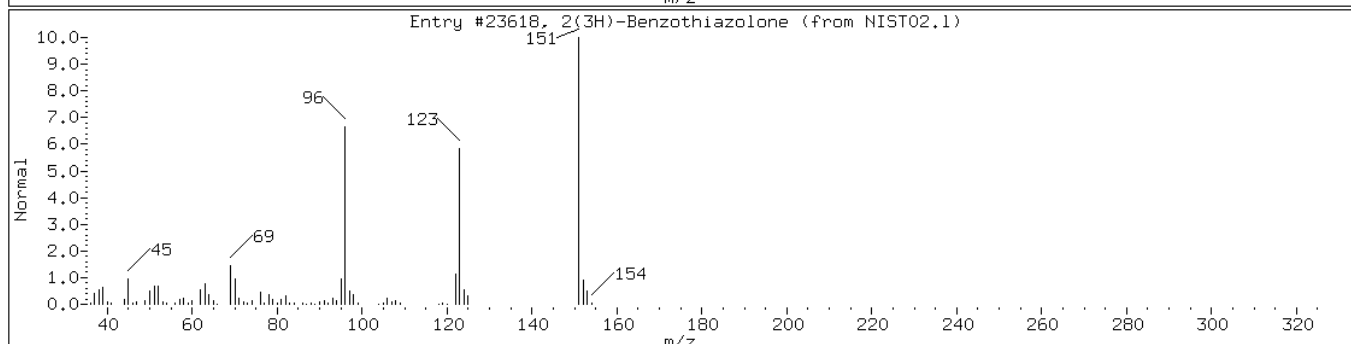
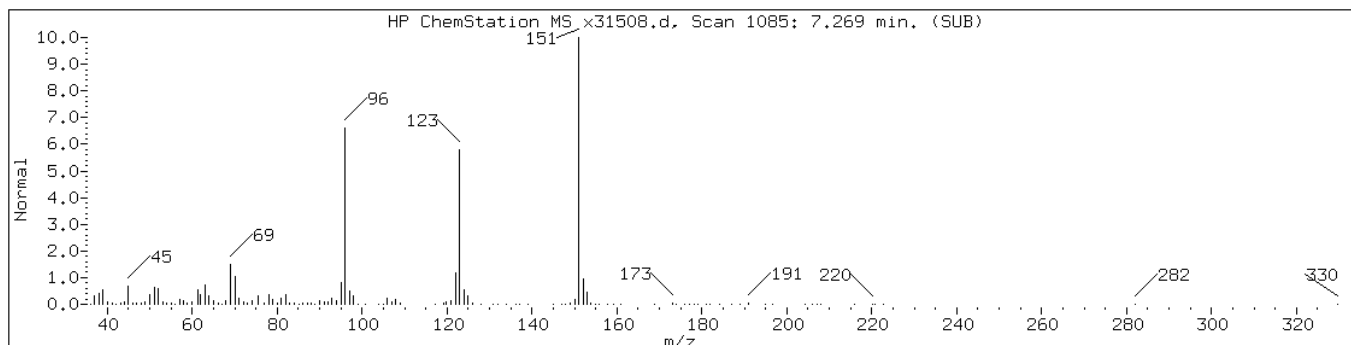
Instrument: BNAMS5.i

Sample Info: 460-46388-F-1-B

Operator: BNAMS 4

Retention Time: 7.27

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2(3H)-Benzothiazolone	934-34-9	NIST02.1	23618	94	C7H5NOS	151
2(3H)-Benzothiazolone	934-34-9	NIST02.1	23617	94	C7H5NOS	151
Thieno[2,3-b]pyridine-N-oxide	25557-50-0	NIST02.1	23622	58	C7H5NOS	151



Data File: x31508.d

Date: 31-OCT-2012 17:50

Client ID:

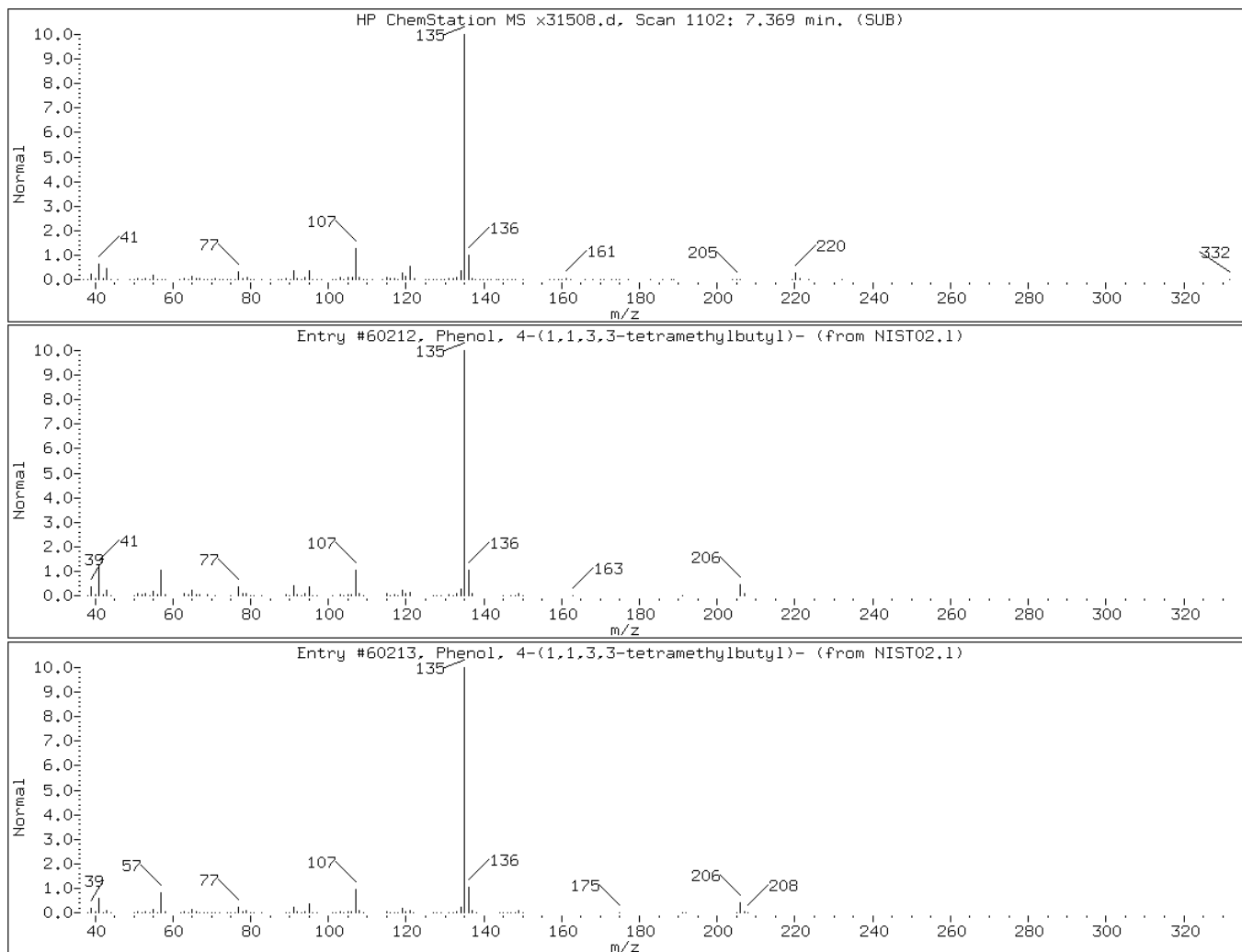
Instrument: BNAMS5.i

Sample Info: 460-46388-F-1-B

Operator: BNAMS 4

Retention Time: 7.37

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Nonylphenol isomer						
Phenol, 4-(1,1,3,3-tetramethylbuty	140-66-9	NIST02.1	60212	78	C14H22O	206
Phenol, 4-(1,1,3,3-tetramethylbuty	140-66-9	NIST02.1	60213	78	C14H22O	206



Data File: x31508.d

Date: 31-OCT-2012 17:50

Client ID:

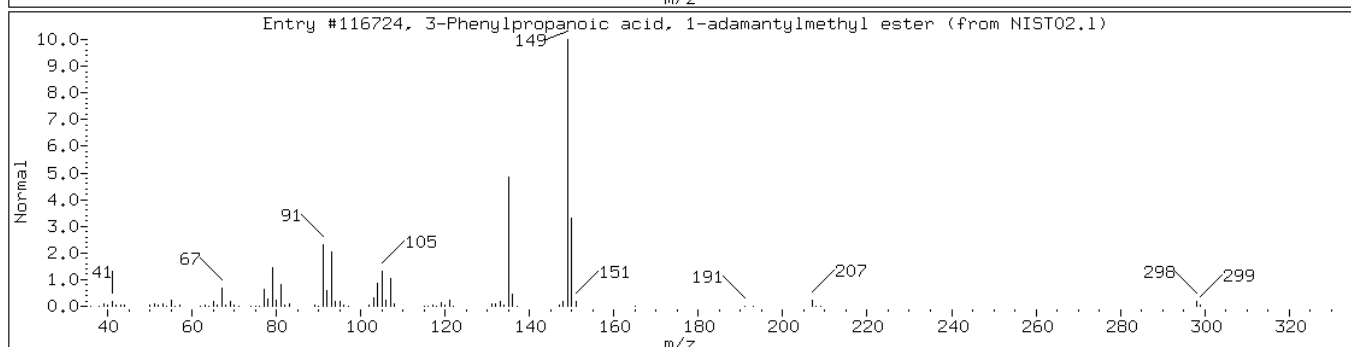
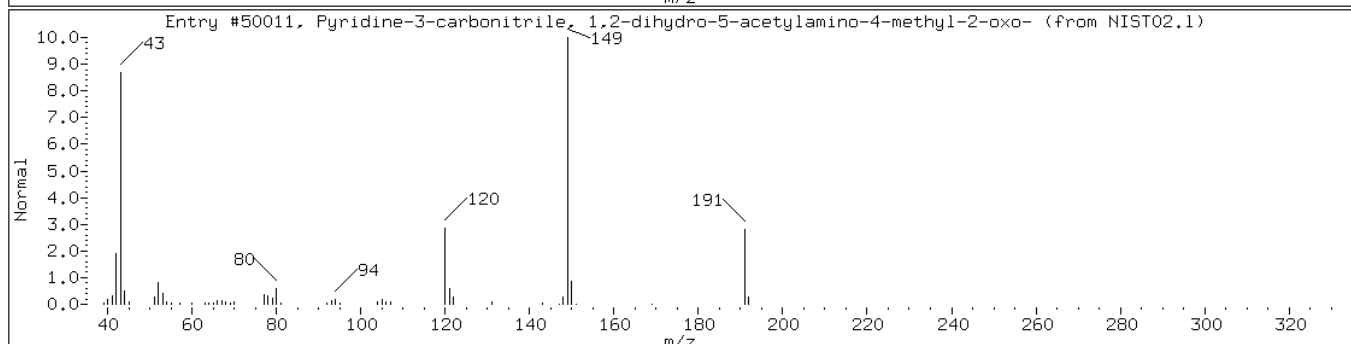
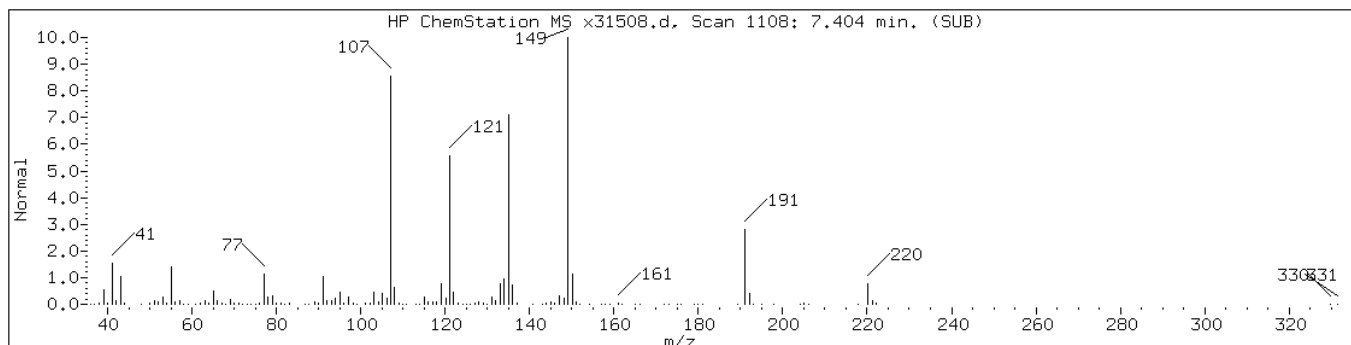
Instrument: BNAMS5.i

Sample Info: 460-46388-F-1-B

Operator: BNAMS 4

Retention Time: 7.40

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Nonylphenol isomer-2						
Pyridine-3-carbonitrile, 1,2-dihyd	220098-92-0	NIST02.1	50011	38	C9H9N3O2	191
3-Phenylpropanoic acid, 1-adamanty	1000282-93-6	NIST02.1	116724	38	C20H26O2	298



Data File: x31508.d

Date: 31-OCT-2012 17:50

Client ID:

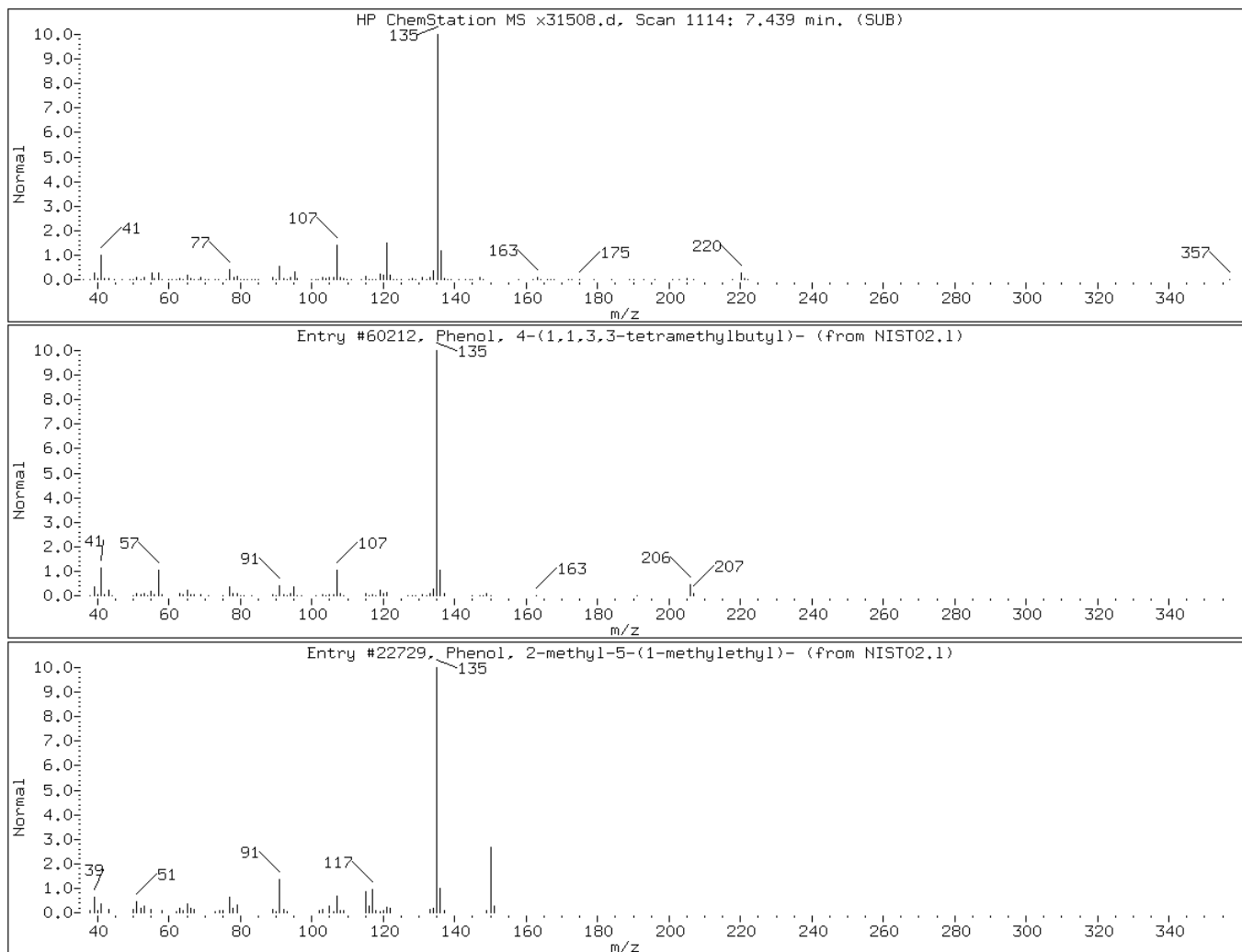
Instrument: BNAMS5.i

Sample Info: 460-46388-F-1-B

Operator: BNAMS 4

Retention Time: 7.44

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Nonylphenol isomer-3						
Phenol, 4-(1,1,3,3-tetramethylbutyl	140-66-9	NIST02.1	60212	72	C14H22O	206
Phenol, 2-methyl-5-(1-methylethyl)	499-75-2	NIST02.1	22729	72	C10H14O	150



Data File: x31508.d

Date: 31-OCT-2012 17:50

Client ID:

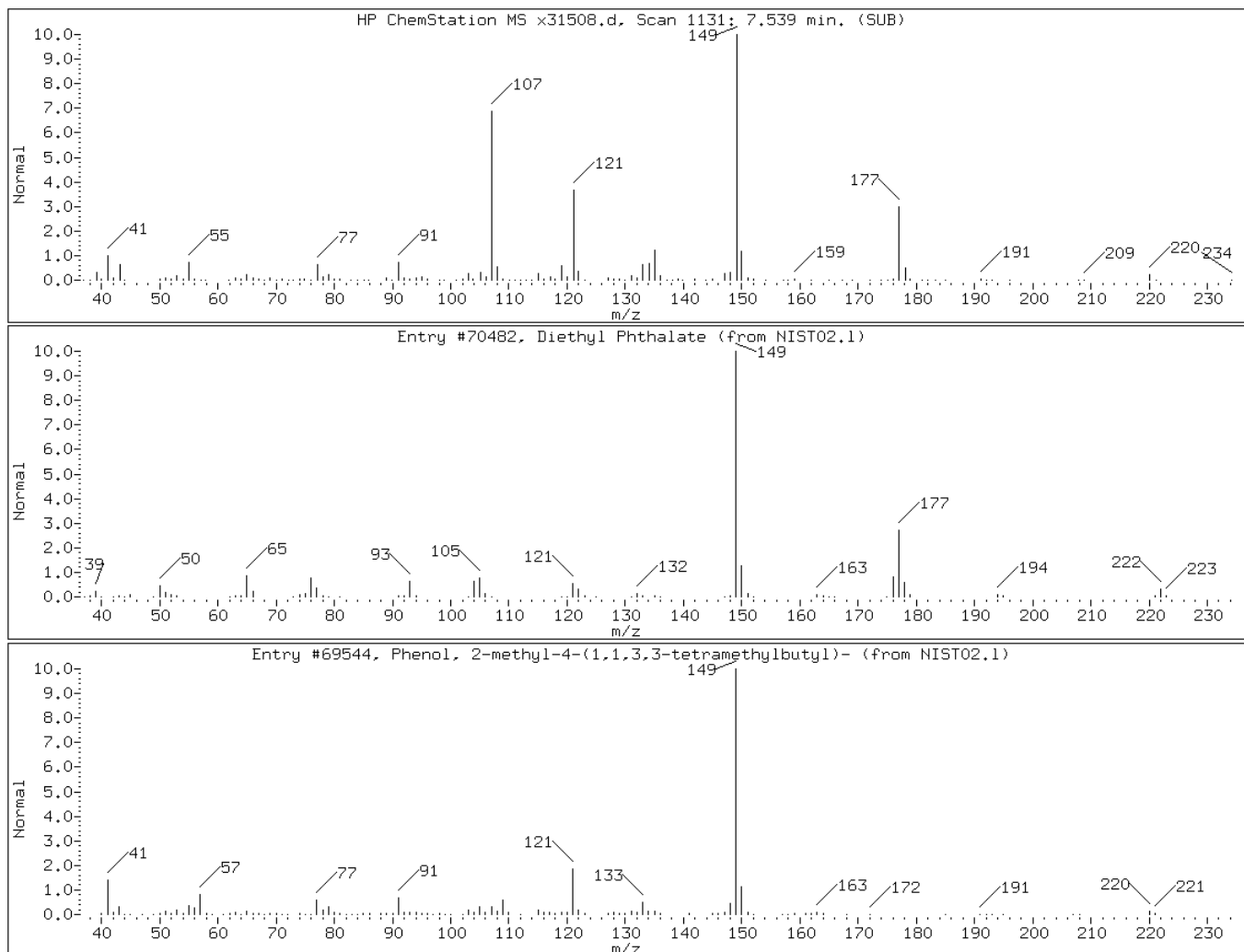
Instrument: BNAMS5.i

Sample Info: 460-46388-F-1-B

Operator: BNAMS 4

Retention Time: 7.54

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Nonylphenol isomer-4						
Diethyl Phthalate	84-66-2	NIST02.1	70482	50	C12H14O4	222
Phenol, 2-methyl-4-(1,1,3,3-tetramethylbutyl)-	2219-84-3	NIST02.1	69544	46	C15H24O	220



Data File: x31508.d

Date: 31-OCT-2012 17:50

Client ID:

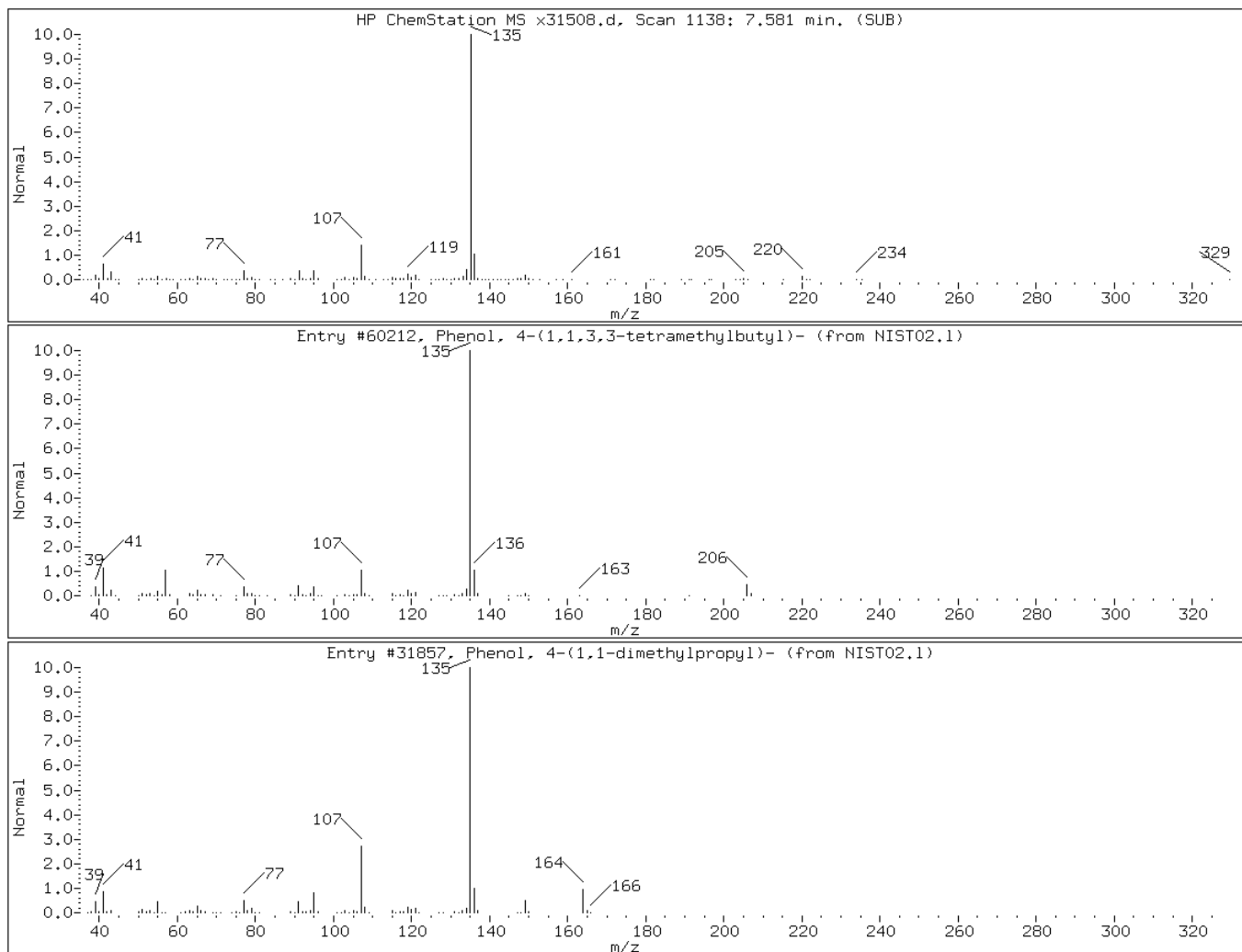
Instrument: BNAMS5.i

Sample Info: 460-46388-F-1-B

Operator: BNAMS 4

Retention Time: 7.58

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Nonylphenol isomer-5						
Phenol, 4-(1,1,3,3-tetramethylbutyl)-	140-66-9	NIST02.1	60212	78	C ₁₄ H ₂₂ O	206
Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	NIST02.1	31857	78	C ₁₁ H ₁₆ O	164



Data File: x31508.d

Date: 31-OCT-2012 17:50

Client ID:

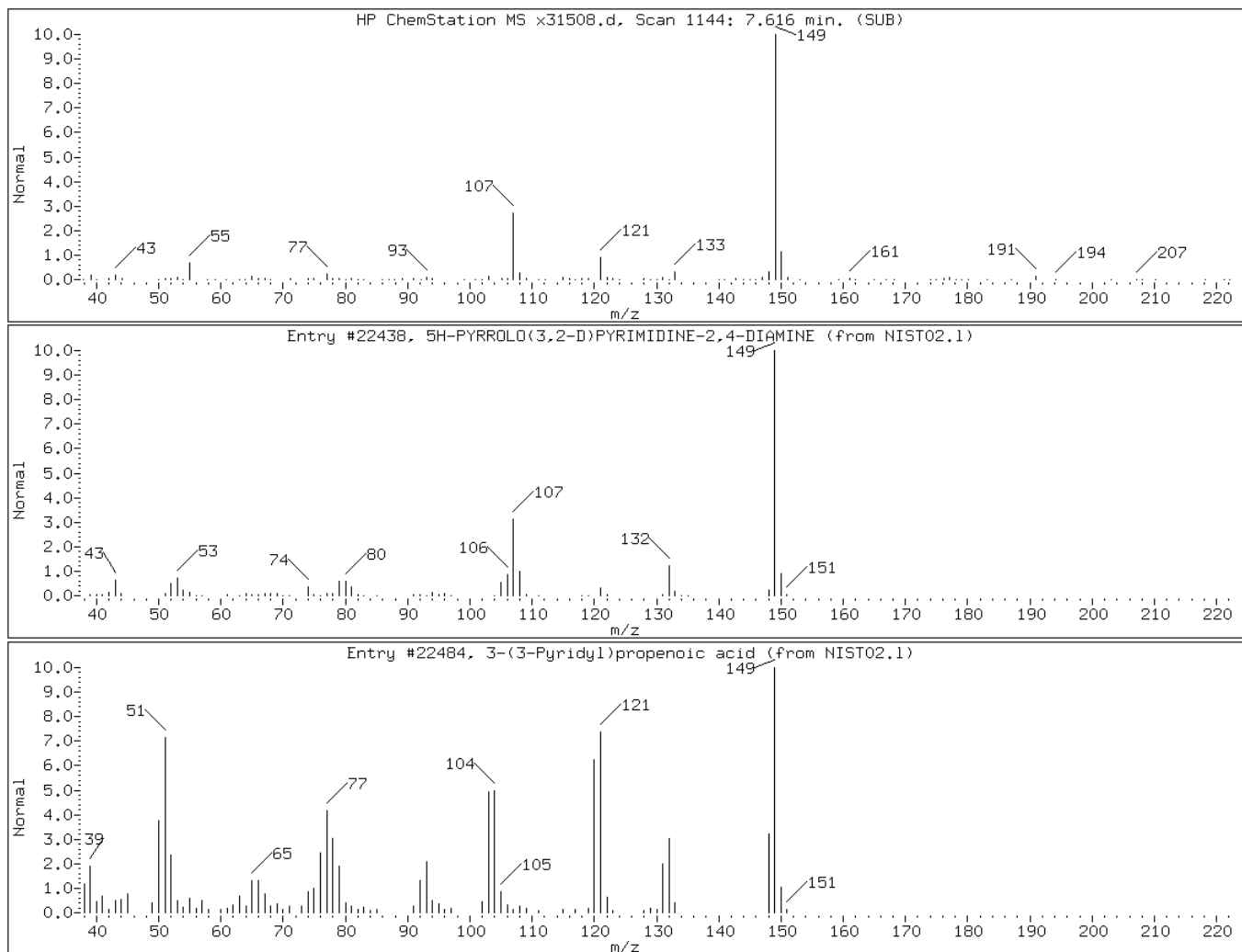
Instrument: BNAMS5.i

Sample Info: 460-46388-F-1-B

Operator: BNAMS 4

Retention Time: 7.62

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Nonylphenol isomer-6						
5H-PYRROLO(3,2-D)PYRIMIDINE-2,4-DI	1000244-21-4	NIST02.l	22438	56	C6H7N5	149
3-(3-Pyridyl)propenoic acid	1126-74-5	NIST02.l	22484	52	C8H7NO2	149



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-46388-1</u>
SDG No.: _____	
Client Sample ID: <u>WG-17338-102212-MW36S-MM-</u>	Lab Sample ID: <u>460-46388-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>x31509.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>10/22/2012 12:15</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>10/27/2012 19:10</u>
Sample wt/vol: <u>970 (mL)</u>	Date Analyzed: <u>10/31/2012 23:30</u>
Con. Extract Vol.: <u>2 (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>134248</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	8.6	J	10	2.9
108-95-2	Phenol	0.84	U *	10	0.84
88-06-2	2,4,6-Trichlorophenol	2.5	U	10	2.5
111-44-4	Bis(2-chloroethyl) ether	0.29	U	1.0	0.29
120-83-2	2,4-Dichlorophenol	2.7	U	10	2.7
95-57-8	2-Chlorophenol	2.3	U	10	2.3
121-14-2	2,4-Dinitrotoluene	0.48	U	2.1	0.48
108-60-1	2,2'-oxybis[1-chloropropane]	2.1	U	10	2.1
98-86-2	Acetophenone	2.8	U	10	2.8
91-57-6	2-Methylnaphthalene	130		10	3.1
106-44-5	4-Methylphenol	4.9	J *	10	1.6
95-48-7	2-Methylphenol	3.2	J	10	1.9
88-74-4	2-Nitroaniline	5.1	U	21	5.1
67-72-1	Hexachloroethane	0.26	U	1.0	0.26
98-95-3	Nitrobenzene	0.31	U	1.0	0.31
59-50-7	4-Chloro-3-methylphenol	2.6	U	10	2.6
78-59-1	Isophorone	2.8	U	10	2.8
88-75-5	2-Nitrophenol	2.5	U	10	2.5
7005-72-3	4-Chlorophenyl phenyl ether	2.6	U	10	2.6
105-67-9	2,4-Dimethylphenol	5.0	J	10	3.5
100-01-6	4-Nitroaniline	6.0	U	21	6.0
100-02-7	4-Nitrophenol	6.9	U *	31	6.9
111-91-1	Bis(2-chloroethoxy)methane	2.7	U	10	2.7
1912-24-9	Atrazine	3.1	U	10	3.1
100-52-7	Benzaldehyde	2.1	U	10	2.1
106-47-8	4-Chloroaniline	2.1	U	10	2.1
87-68-3	Hexachlorobutadiene	0.59	U	2.1	0.59
207-08-9	Benzo[k]fluoranthene	1.0		1.0	0.27
105-60-2	Caprolactam	2.6	U	10	2.6
86-74-8	Carbazole	3.3	U	10	3.3
77-47-4	Hexachlorocyclopentadiene	1.8	U	10	1.8
53-70-3	Dibenz(a,h)anthracene	0.30	J	1.0	0.093
95-95-4	2,4,5-Trichlorophenol	2.7	U	10	2.7
131-11-3	Dimethyl phthalate	2.9	U	10	2.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-46388-1</u>
SDG No.: _____	
Client Sample ID: <u>WG-17338-102212-MW36S-MM-</u>	Lab Sample ID: <u>460-46388-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>x31509.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>10/22/2012 12:15</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>10/27/2012 19:10</u>
Sample wt/vol: <u>970 (mL)</u>	Date Analyzed: <u>10/31/2012 23:30</u>
Con. Extract Vol.: <u>2 (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>134248</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-58-7	2-Chloronaphthalene	2.8	U	10	2.8
206-44-0	Fluoranthene	3.3	U	10	3.3
86-73-7	Fluorene	3.3	J	10	2.9
606-20-2	2,6-Dinitrotoluene	0.63	U	2.1	0.63
208-96-8	Acenaphthylene	2.8	U	10	2.8
99-09-2	3-Nitroaniline	5.2	U	21	5.2
621-64-7	N-Nitrosodi-n-propylamine	0.26	U	1.0	0.26
83-32-9	Acenaphthene	2.8	U	10	2.8
51-28-5	2,4-Dinitrophenol	5.6	U	31	5.6
132-64-9	Dibenzofuran	3.0	J	10	2.9
84-66-2	Diethyl phthalate	3.0	U	10	3.0
534-52-1	4,6-Dinitro-2-methylphenol	4.8	U	31	4.8
86-30-6	N-Nitrosodiphenylamine	3.0	U	10	3.0
101-55-3	4-Bromophenyl phenyl ether	2.6	U	10	2.6
85-01-8	Phenanthrene	3.2	U	10	3.2
120-12-7	Anthracene	2.9	U	10	2.9
84-74-2	Di-n-butyl phthalate	3.0	U	10	3.0
129-00-0	Pyrene	3.0	U	10	3.0
85-68-7	Butyl benzyl phthalate	2.6	U	10	2.6
91-94-1	3,3'-Dichlorobenzidine	5.1	U	21	5.1
218-01-9	Chrysene	3.2	U	10	3.2
117-81-7	Bis(2-ethylhexyl) phthalate	2.1	U	10	2.1
117-84-0	Di-n-octyl phthalate	1.5	U	10	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	0.58	J	1.0	0.15
191-24-2	Benzo[g,h,i]perylene	2.1	U	10	2.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	101		46-122
321-60-8	2-Fluorobiphenyl	92		53-108
367-12-4	2-Fluorophenol (Surr)	51		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	95		56-112
4165-62-2	Phenol-d5 (Surr)	37		10-48
1718-51-0	Terphenyl-d14 (Surr)	94		50-122

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

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-46388-1</u>
SDG No.: _____	
Client Sample ID: <u>WG-17338-102212-MW36S-MM-</u>	Lab Sample ID: <u>460-46388-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>x31509.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>10/22/2012 12:15</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>10/27/2012 19:10</u>
Sample wt/vol: <u>970 (mL)</u>	Date Analyzed: <u>10/31/2012 23:30</u>
Con. Extract Vol.: <u>2 (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>134248</u>	Units: <u>ug/L</u>
Number TICs Found: <u>22</u>	TIC Result Total: <u>6913</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	1.11	300	J
	Unknown-2	1.25	410	J
108-88-3	Toluene	1.33	690	J N
1462-03-9	Cyclopentanol, 1-methyl-	1.50	140	J N
	Unknown-3	1.79	130	J
	Unknown-4	1.90	370	J
100-41-4	Ethylbenzene	2.03	730	J N
	Xylene isomer	2.13	1300	J
	Xylene isomer-2	2.31	800	J
590-67-0	1-Methylcyclohexanol	2.34	69	J N
	Unknown-5	2.37	69	J
103-65-1	Benzene, propyl-	2.79	84	J N
	Ethylmethylbenzene isomer-1	2.87	290	J
	Ethylmethylbenzene isomer-2	2.89	120	J
	Trimethylbenzene isomer-1	2.94	170	J
	Trimethylbenzene isomer-2	3.16	520	J
	Trimethylbenzene isomer-3	3.39	190	J
496-11-7	Indane	3.50	240	J N
	Ethyl dimethylbenzene isomer	3.67	70	J
	C10H12 Aromatic-1	4.30	57	J
	C10H12 Aromatic-2	4.37	86	J
90-12-0	1-Methylnaphthalene	5.43	78	

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31509.d
 Report Date: 02-Nov-2012 11:36

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31509.d
 Lab Smp Id: 460-46388-F-2-B
 Inj Date : 31-OCT-2012 23:30
 Operator : BNAMS 4
 Smp Info : 460-46388-F-2-B
 Misc Info : 460-46388-F-2-B
 Comment :
 Method : /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/8270Cdel_08.m
 Meth Date : 31-Oct-2012 14:29 croccom Quant Type: ISTD
 Cal Date : 31-OCT-2012 14:53 Cal File: x31502.d
 Als bottle: 9
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1
 Inst ID: BNAMS5.i
 Compound Sublist: allh20.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	970.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ug/ml)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====	
\$ 16 2-Fluorophenol (SUR)	112	2.145	2.122	(0.647)	482027	25.5582	53(H)	
\$ 17 Phenol-d5 (SUR)	99	3.010	3.010	(0.908)	377127	18.5597	38	
* 79 1,4-Dichlorobenzene-d4	152	3.316	3.322	(1.000)	677636	40.0000		
3 2-Methylphenol	108	3.639	3.640	(1.098)	25092	1.57246	3.2(a)	
4 4-Methylphenol	108	3.804	3.804	(1.147)	36795	2.39090	4.9(a)	
121 3 & 4 Methylphenol	108	3.804	3.804	(1.147)	36795	2.39090	4.9(a)	
\$ 76 Nitrobenzene-d5 (SUR)	82	3.898	3.904	(0.845)	963416	47.6962	98	
6 2,4-Dimethylphenol	122	4.339	4.340	(0.940)	37206	2.41993	5.0(a)	
* 80 Naphthalene-d8	136	4.616	4.622	(1.000)	2254914	40.0000		
31 Naphthalene	128	4.645	4.640	(1.006)	7097231	124.561	260(A)	
34 2-Methylnaphthalene	142	5.339	5.340	(1.157)	2039765	61.7019	130	
120 1-Methylnaphthalene	142	5.433	5.434	(1.177)	1264042	37.6876	78	
\$ 77 2-Fluorobiphenyl (SUR)	172	5.722	5.722	(0.900)	1574060	45.9380	95	
102 Diphenyl	154	5.810	5.816	(0.914)	160999	4.17288	8.6(a)	
* 82 Acenaphthene-d10	164	6.357	6.357	(1.000)	918227	40.0000		

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31509.d
 Report Date: 02-Nov-2012 11:36

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/ml)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
42 Acenaphthene		154	6.386	6.392	(1.005)	22545	0.90098	1.8(a)
43 Dibenzofuran		168	6.557	6.563	(1.031)	50139	1.43195	3.0(a)
47 Fluorene		166	6.886	6.892	(1.083)	41910	1.60723	3.3(a)
\$ 18 2,4,6-Tribromophenol (SUR)		330	7.128	7.128	(1.121)	124260	50.7043	100
* 83 Phenanthrene-d10		188	7.786	7.792	(1.000)	978265	40.0000	
52 Phenanthrene		178	7.810	7.810	(1.003)	39427	1.45502	3.0(a)
54 Carbazole		167	8.039	8.034	(1.032)	6497	0.30541	0.63(a)
57 Pyrene		202	9.151	9.169	(0.884)	2971	0.12138	0.25(aH)
\$ 78 Terphenyl-d14		244	9.357	9.357	(0.904)	752780	47.0828	97
61 Benzo(a)anthracene		228	10.333	10.339	(0.998)	9476	0.53173	1.1
* 81 Chrysene-d12		240	10.351	10.351	(1.000)	612828	40.0000	
62 Chrysene		228	10.368	10.375	(1.002)	8636	0.46955	0.97(a)
65 Benzo(b)fluoranthene		252	11.504	11.504	(0.963)	7268	0.48183	0.99(a)
66 Benzo(k)fluoranthene		252	11.533	11.533	(0.966)	8954	0.50834	1.0(a)
67 Benzo(a)pyrene		252	11.874	11.874	(0.994)	5689	0.44445	0.92(a)
* 84 Perylene-d12		264	11.945	11.939	(1.000)	534839	40.0000	
68 Indeno(1,2,3-cd)pyrene		276	13.221	13.221	(1.107)	3130	0.28055	0.58(a)
69 Dibenz(a,h)anthracene		278	13.262	13.257	(1.110)	1695	0.14475	0.30(a)
70 Benzo(g,h,i)perylene		276	13.533	13.527	(1.133)	3779	0.28286	0.58(a)

QC Flag Legend

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

Data File: x31509.d

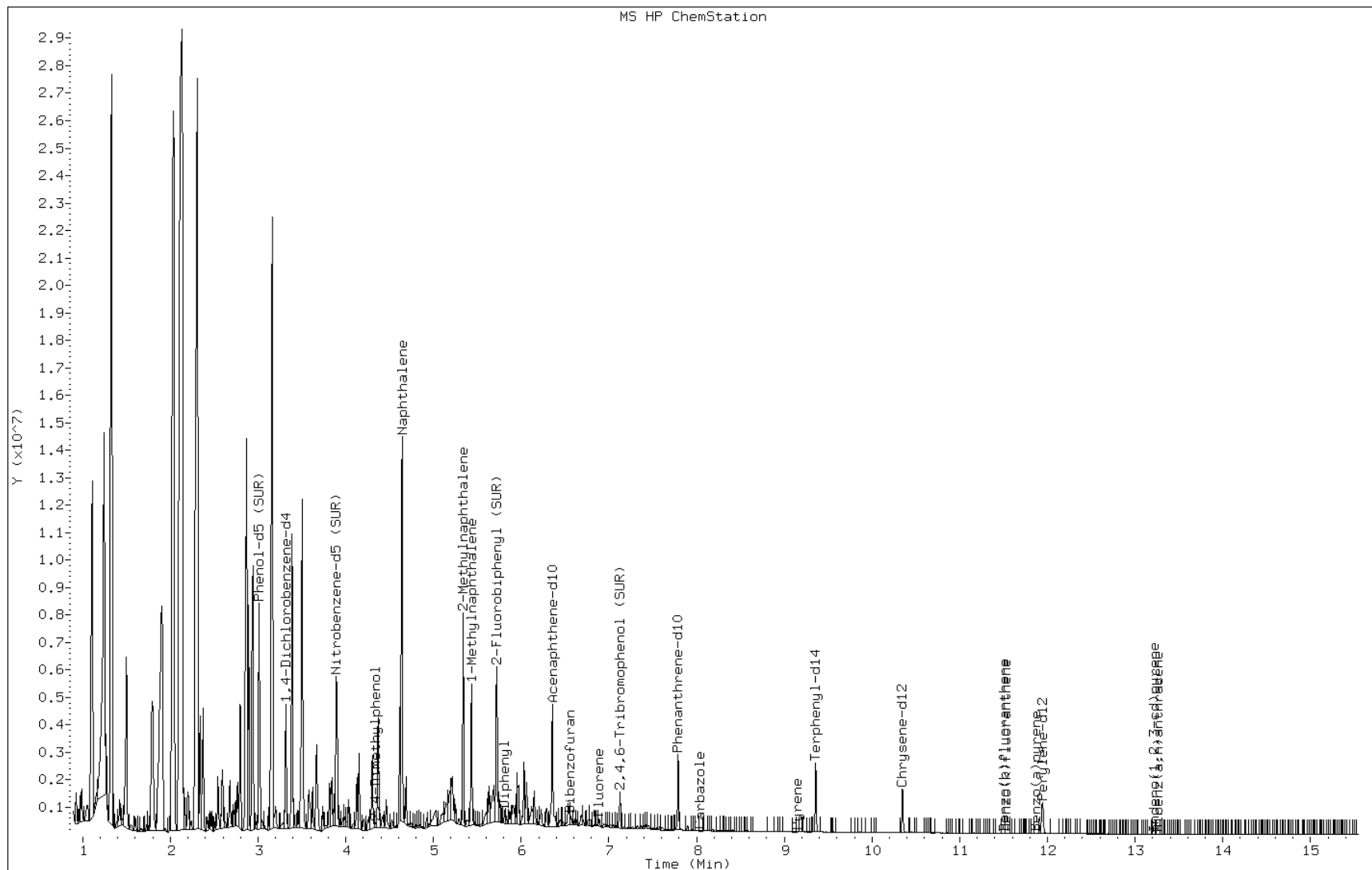
Date: 31-OCT-2012 23:30

Client ID:

Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4



Data File: x31509.d

Date: 31-OCT-2012 23:30

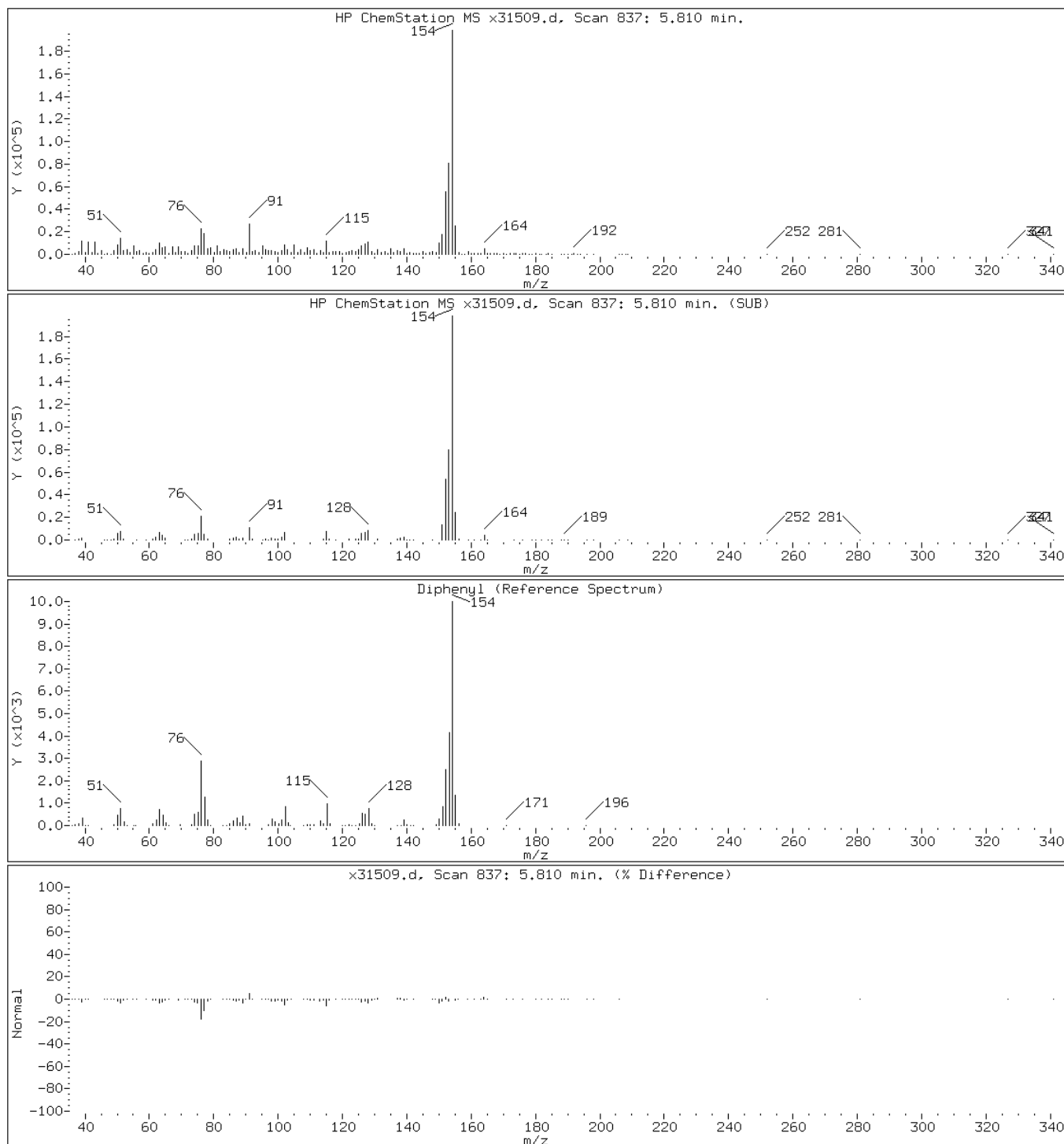
Client ID:

Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

102 Diphenyl



Data File: x31509.d

Date: 31-OCT-2012 23:30

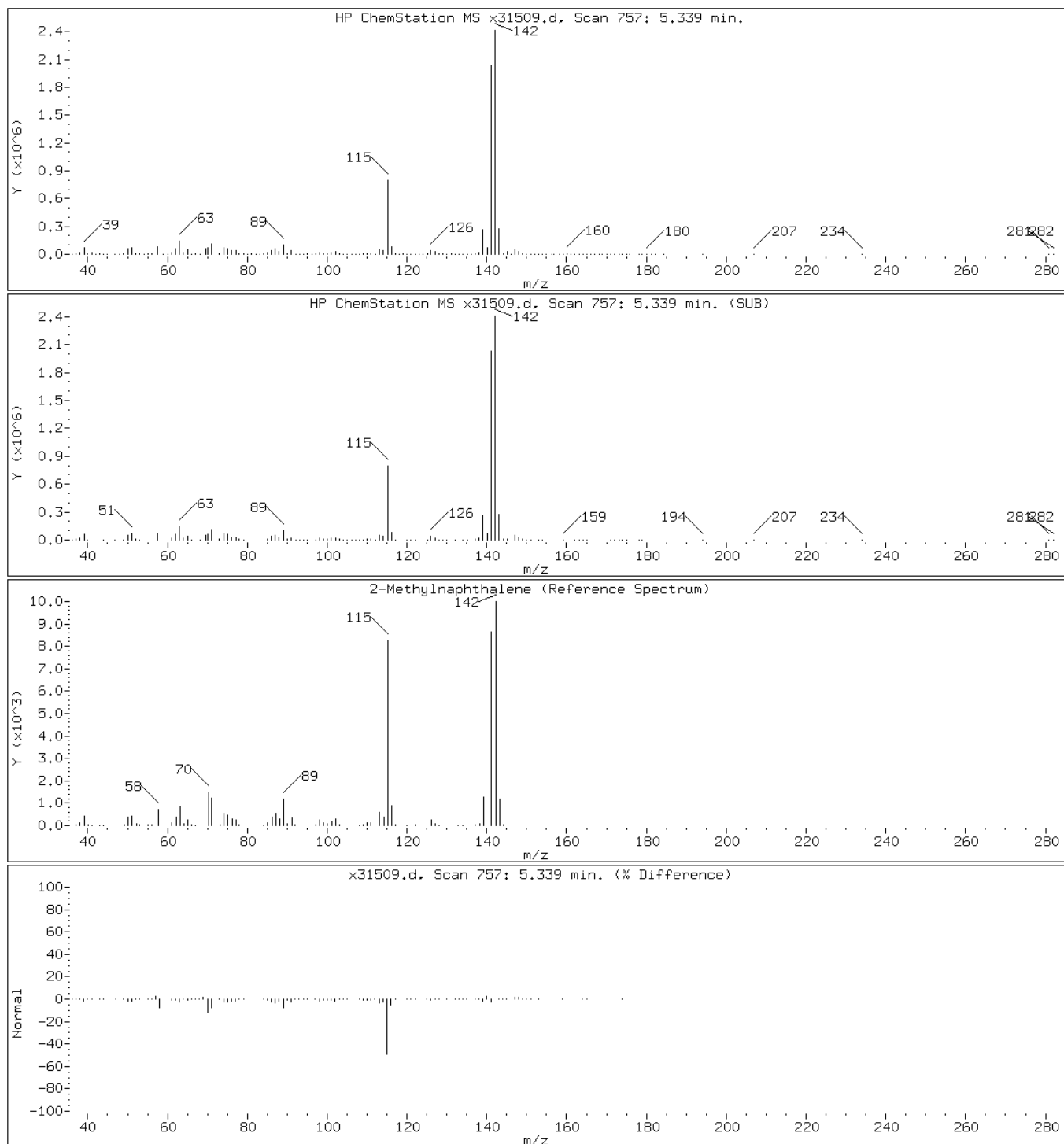
Client ID:

Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

34 2-Methylnaphthalene



Data File: x31509.d

Date: 31-OCT-2012 23:30

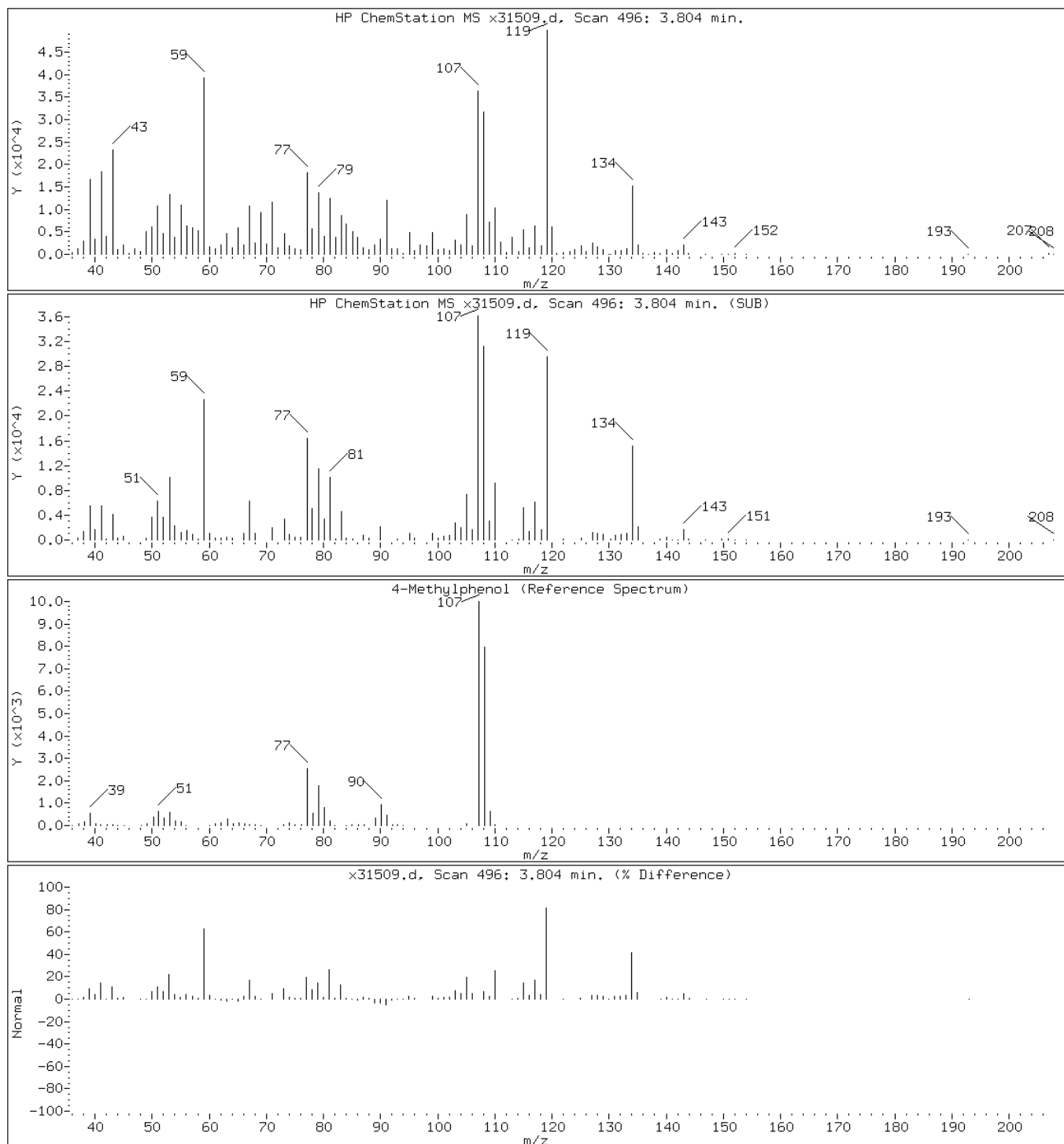
Client ID:

Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

4 4-Methylphenol



Data File: x31509.d

Date: 31-OCT-2012 23:30

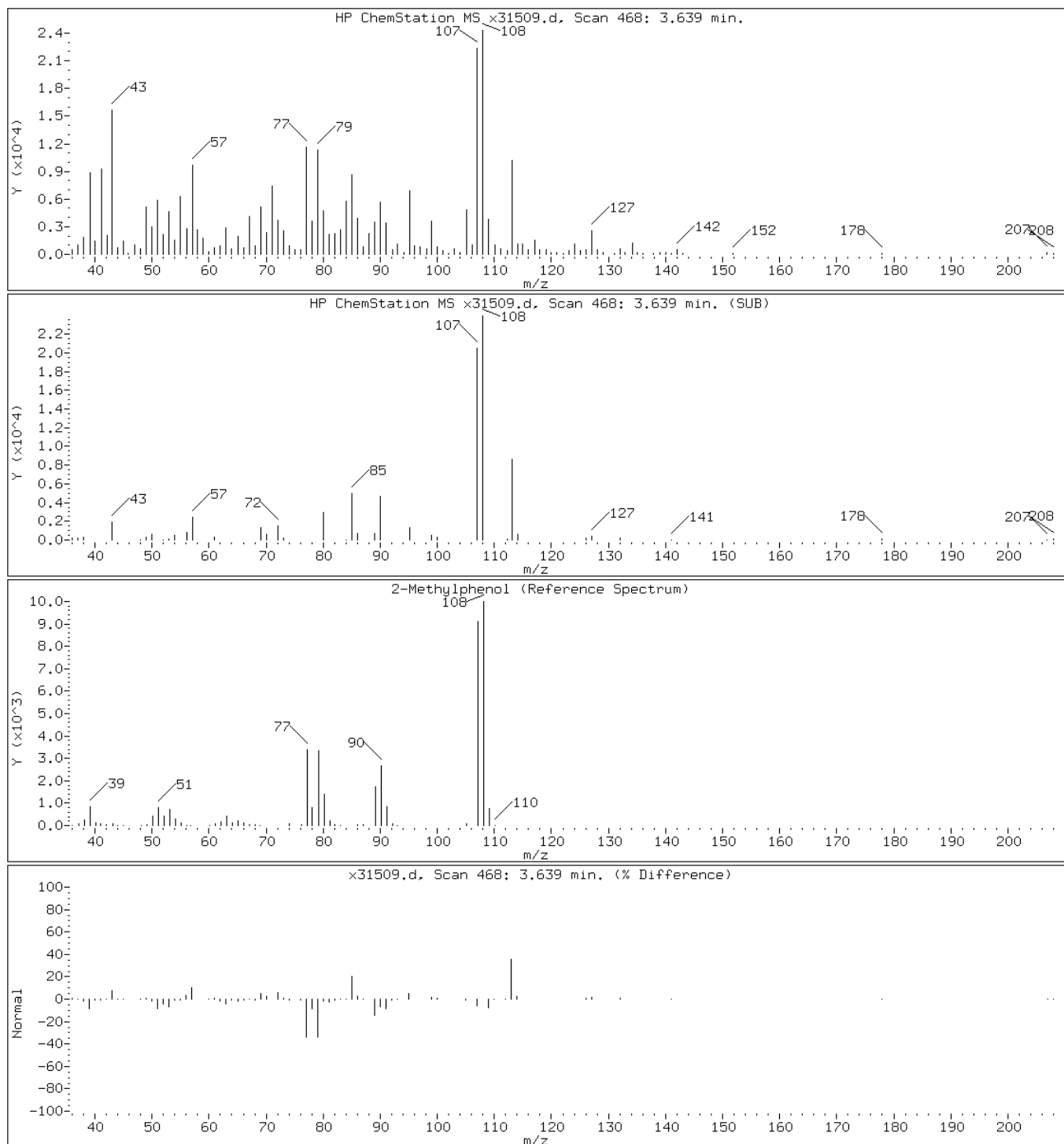
Client ID:

Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

3 2-Methylphenol



Data File: x31509.d

Date: 31-OCT-2012 23:30

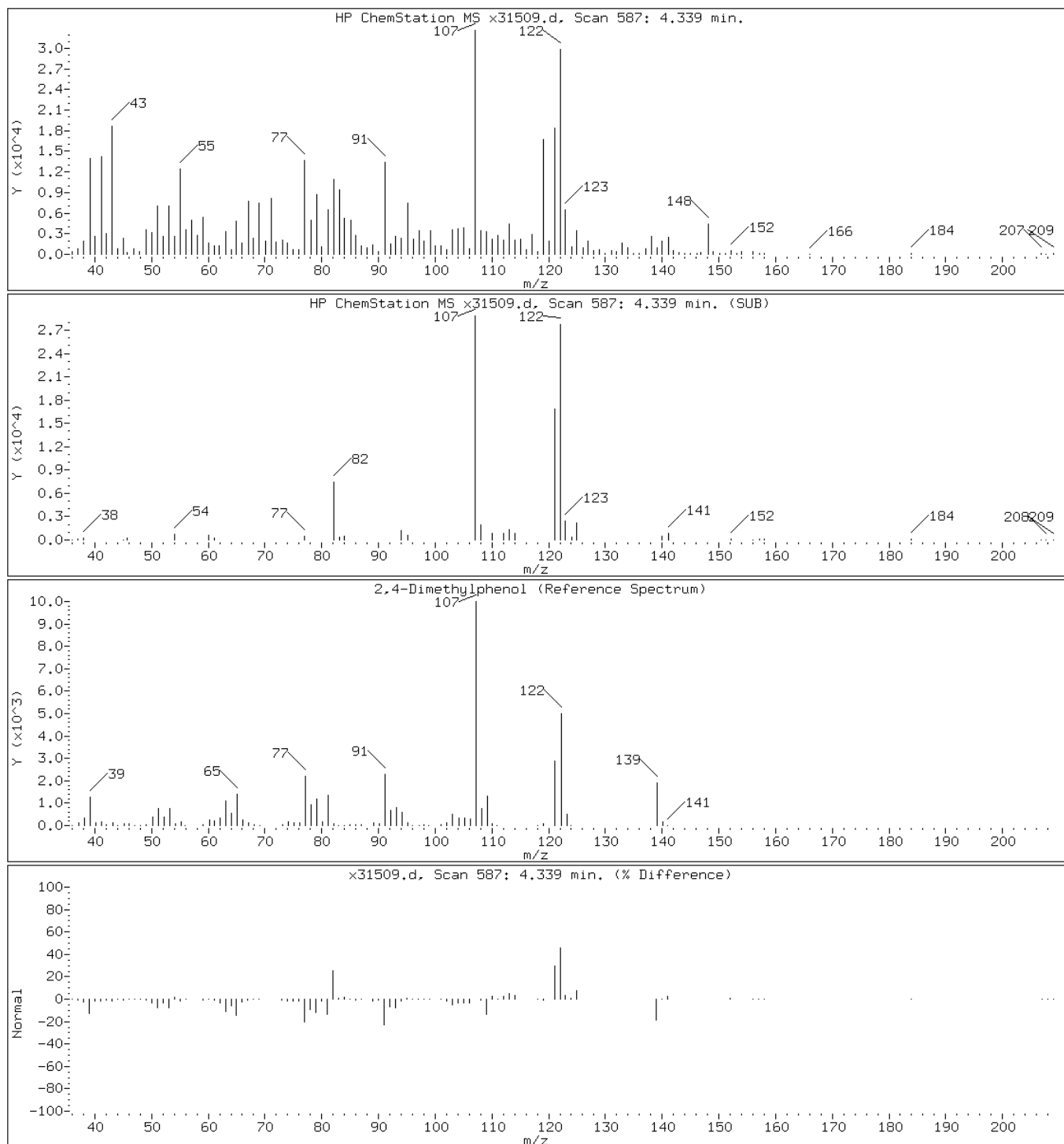
Client ID:

Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

6 2,4-Dimethylphenol



Data File: x31509.d

Date: 31-OCT-2012 23:30

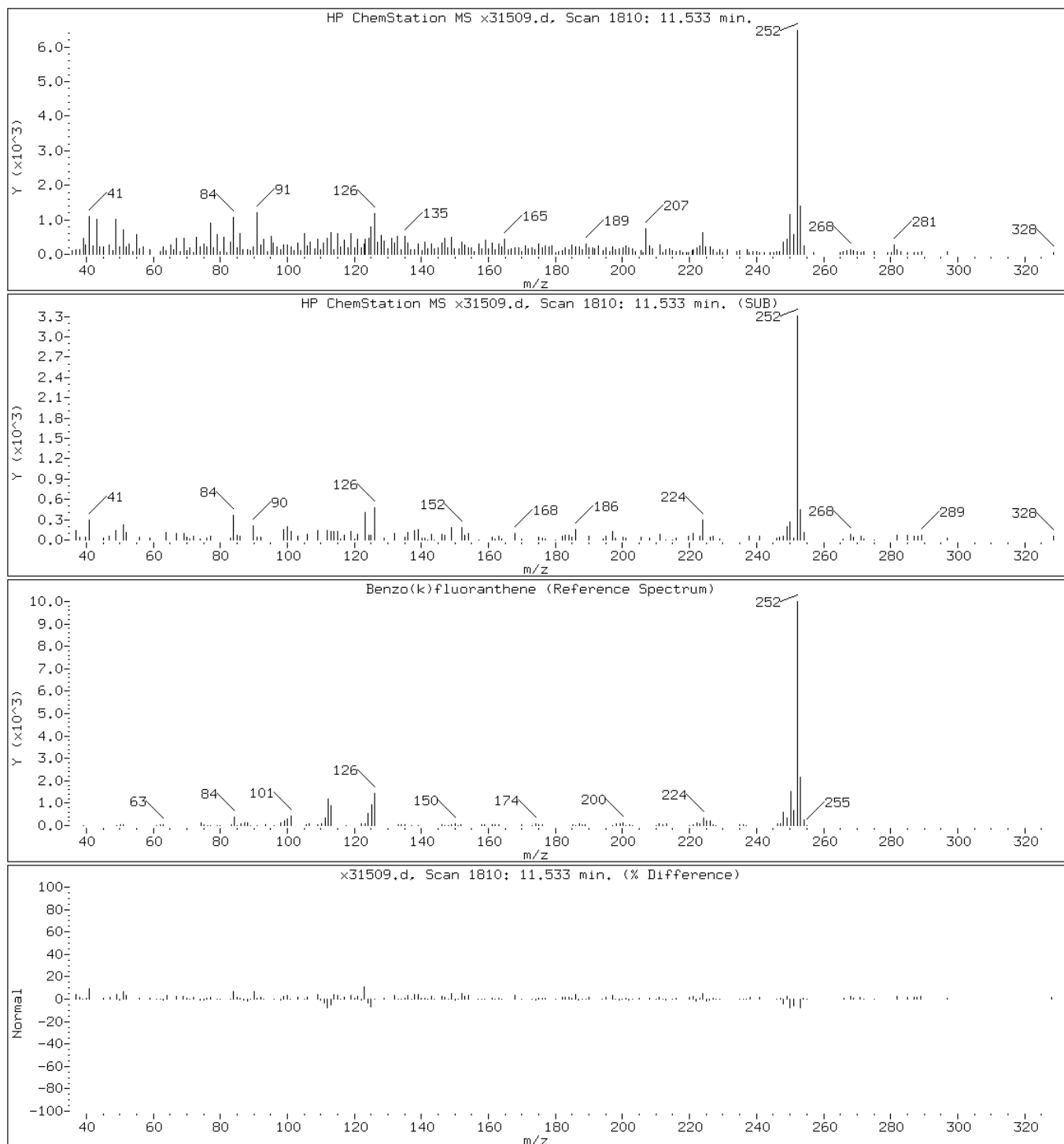
Client ID:

Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

66 Benzo(k)fluoranthene



Data File: x31509.d

Date: 31-OCT-2012 23:30

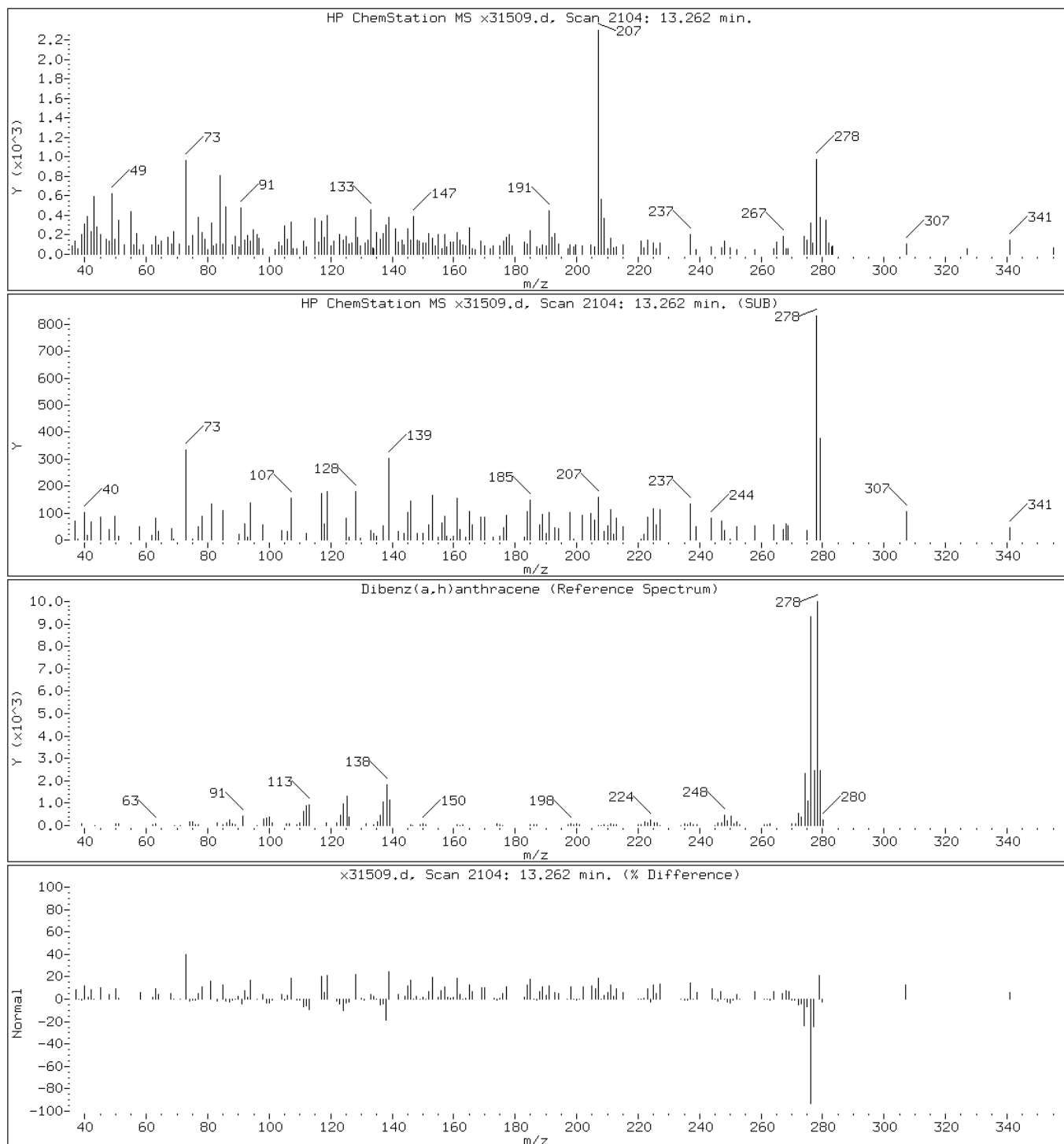
Client ID:

Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

69 Dibenz(a,h)anthracene



Data File: x31509.d

Date: 31-OCT-2012 23:30

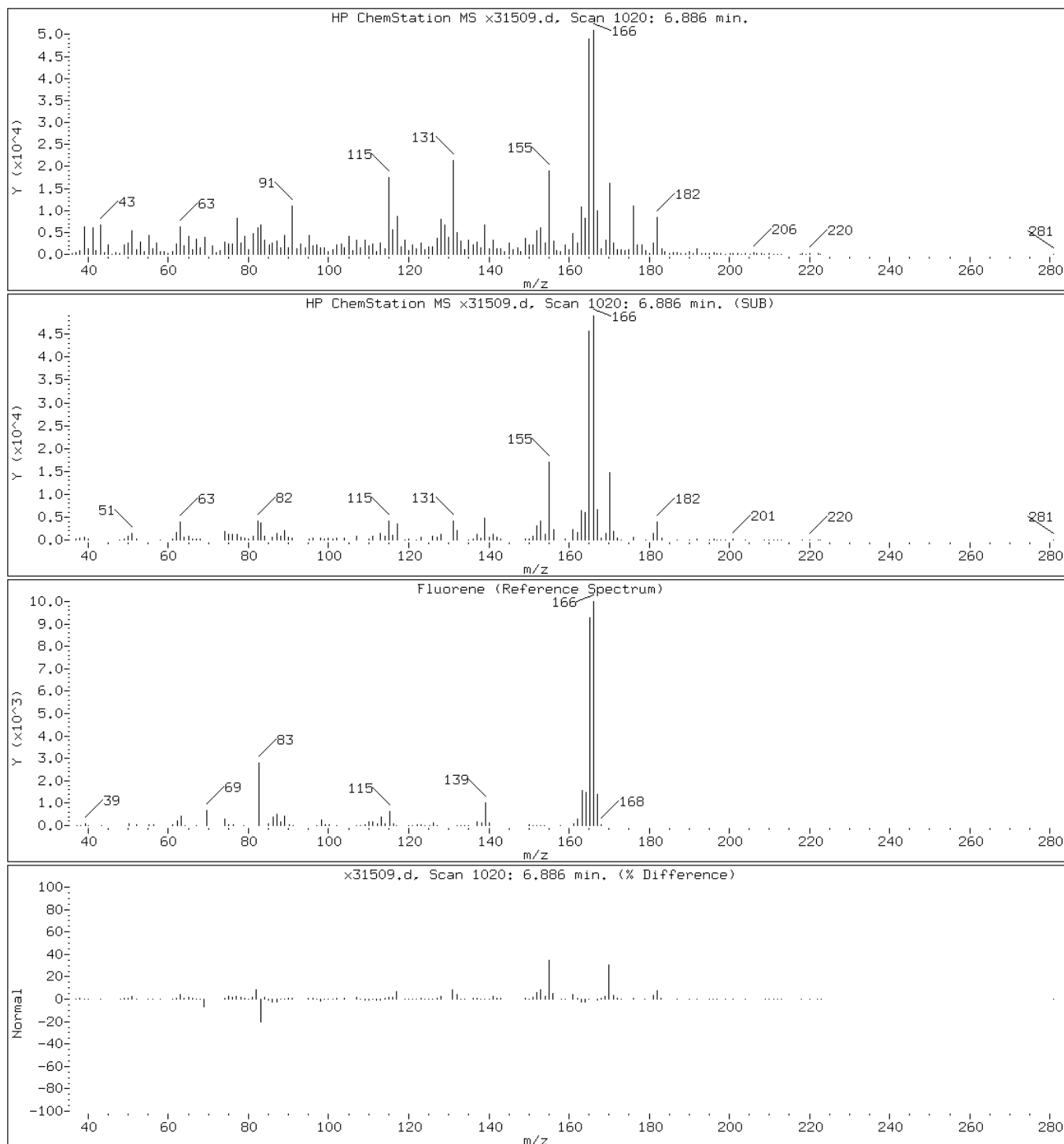
Client ID:

Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

47 Fluorene



Data File: x31509.d

Date: 31-OCT-2012 23:30

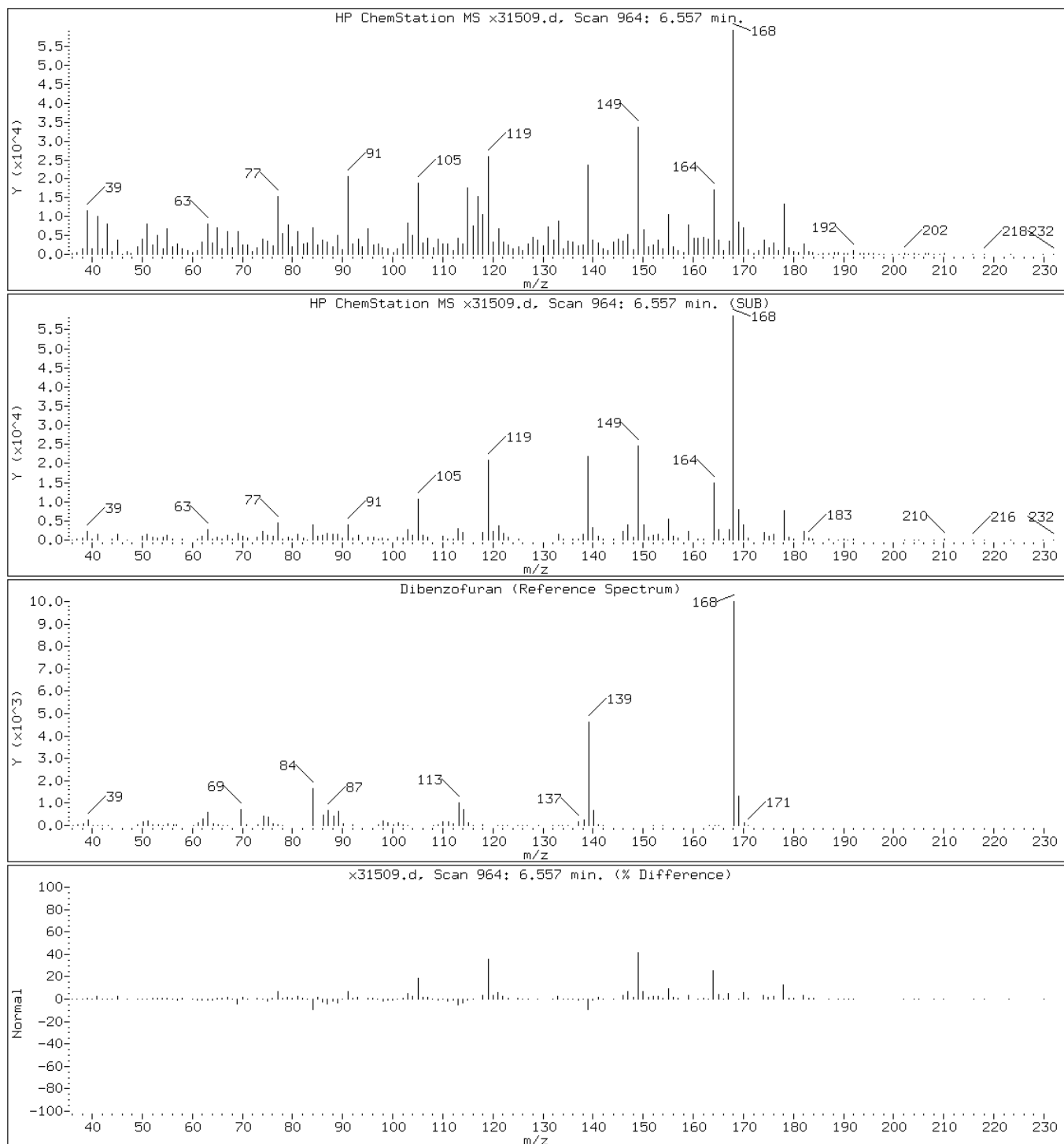
Client ID:

Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

43 Dibenzofuran



Data File: x31509.d

Date: 31-OCT-2012 23:30

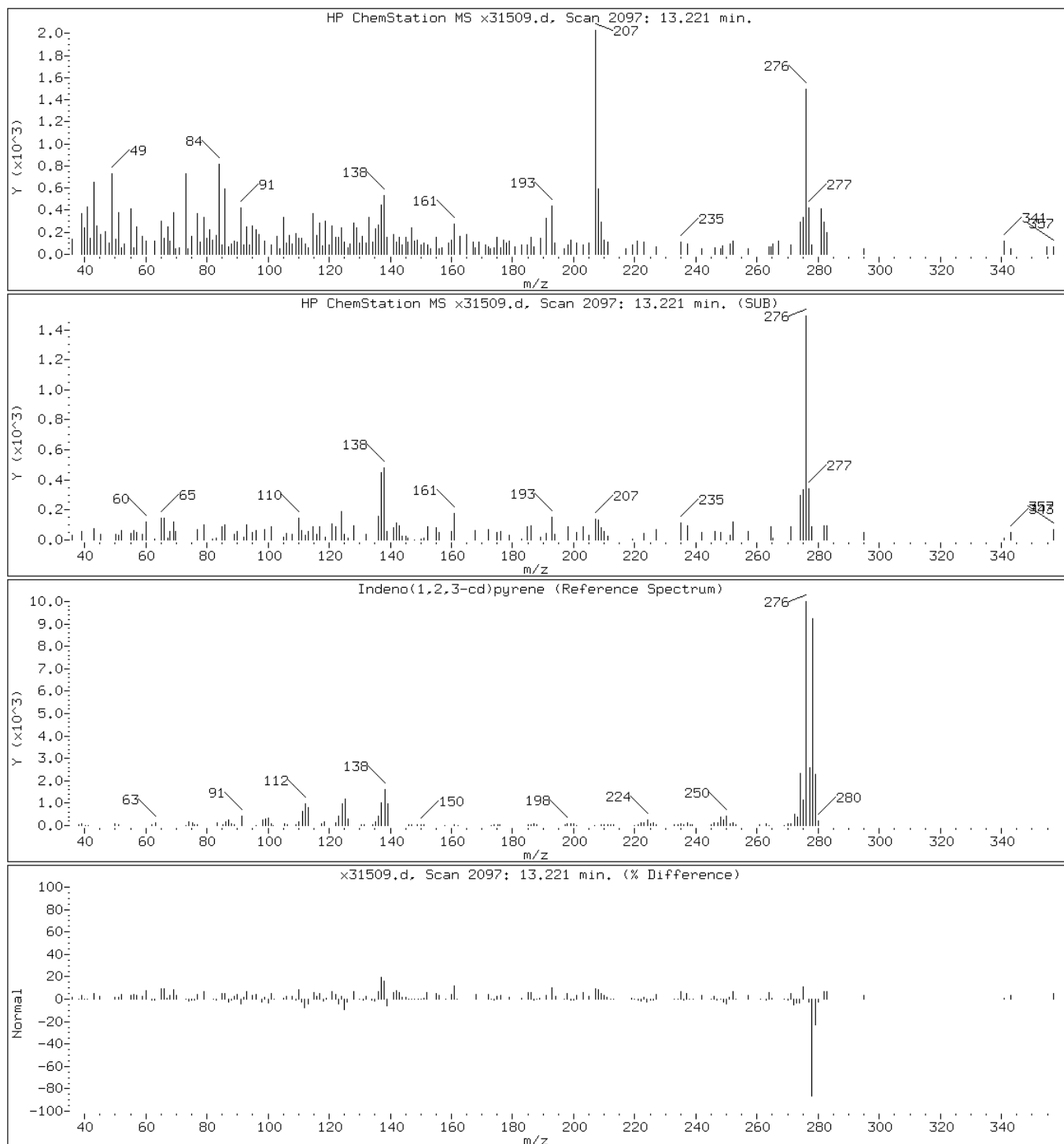
Client ID:

Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

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



Data File: x31509.d

Date: 31-OCT-2012 23:30

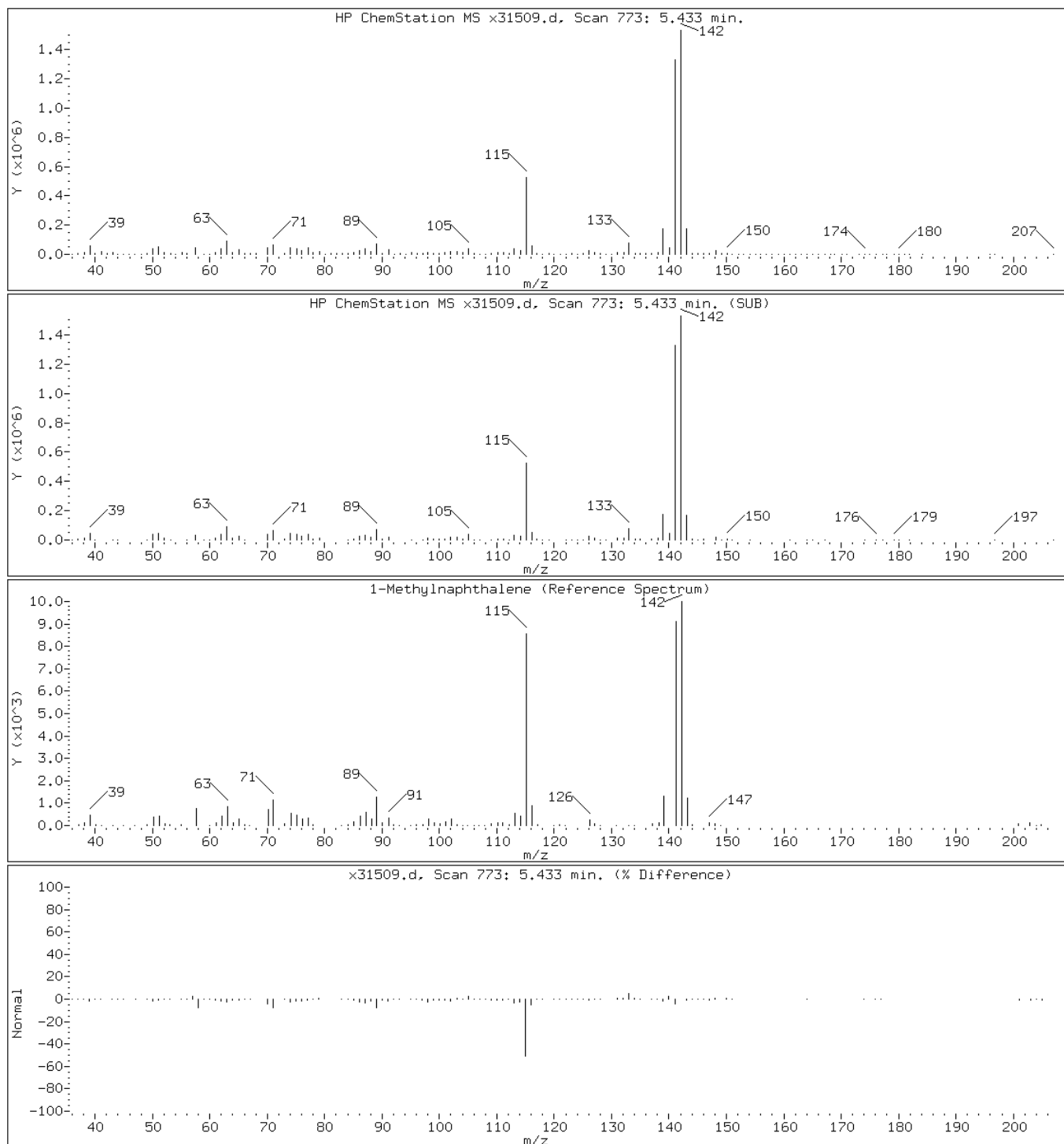
Client ID:

Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

120 1-Methylnaphthalene



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

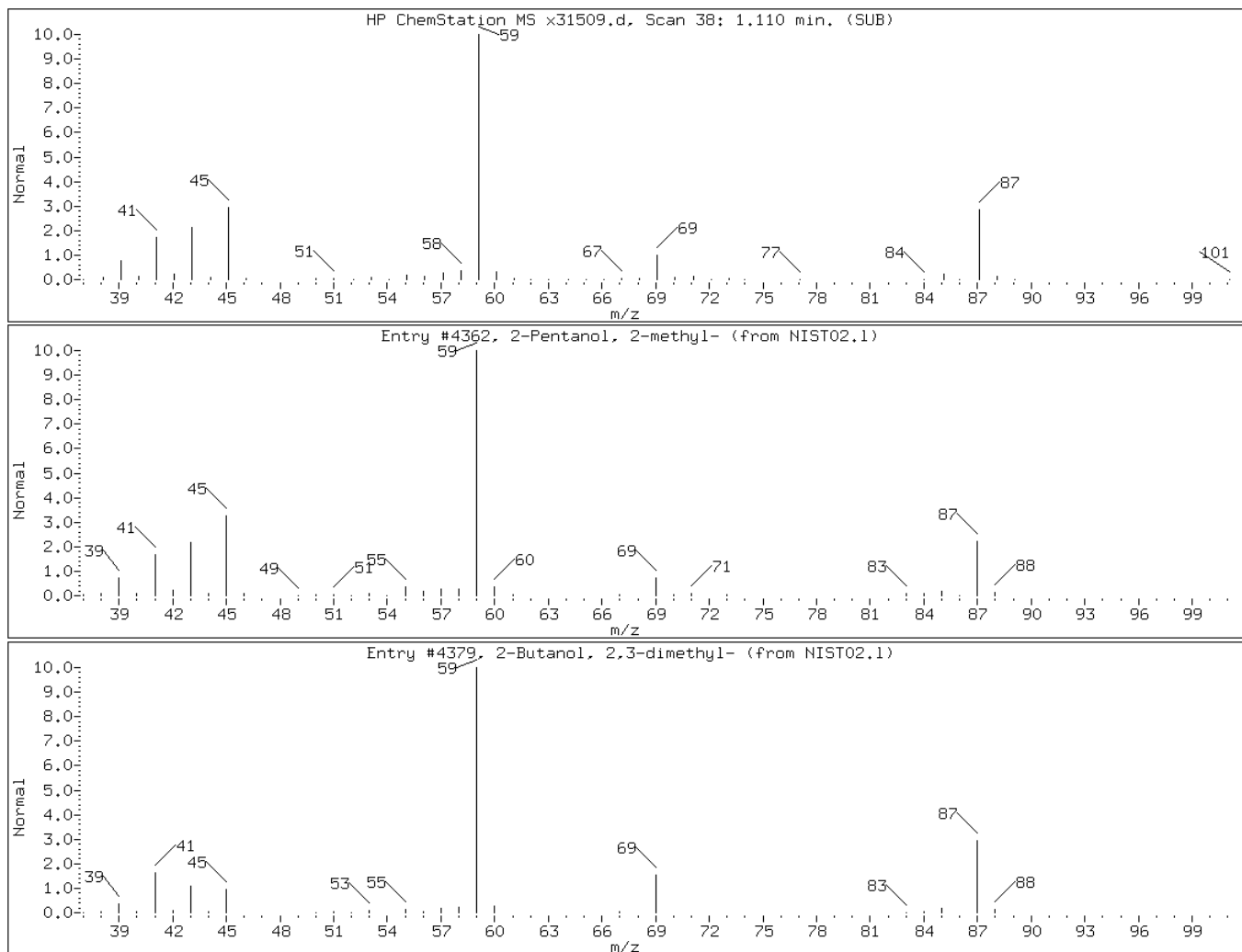
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 1.11

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Pentanol, 2-methyl-	590-36-3	NIST02.1	4362	83	C6H14O	102
2-Butanol, 2,3-dimethyl-	594-60-5	NIST02.1	4379	64	C6H14O	102



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

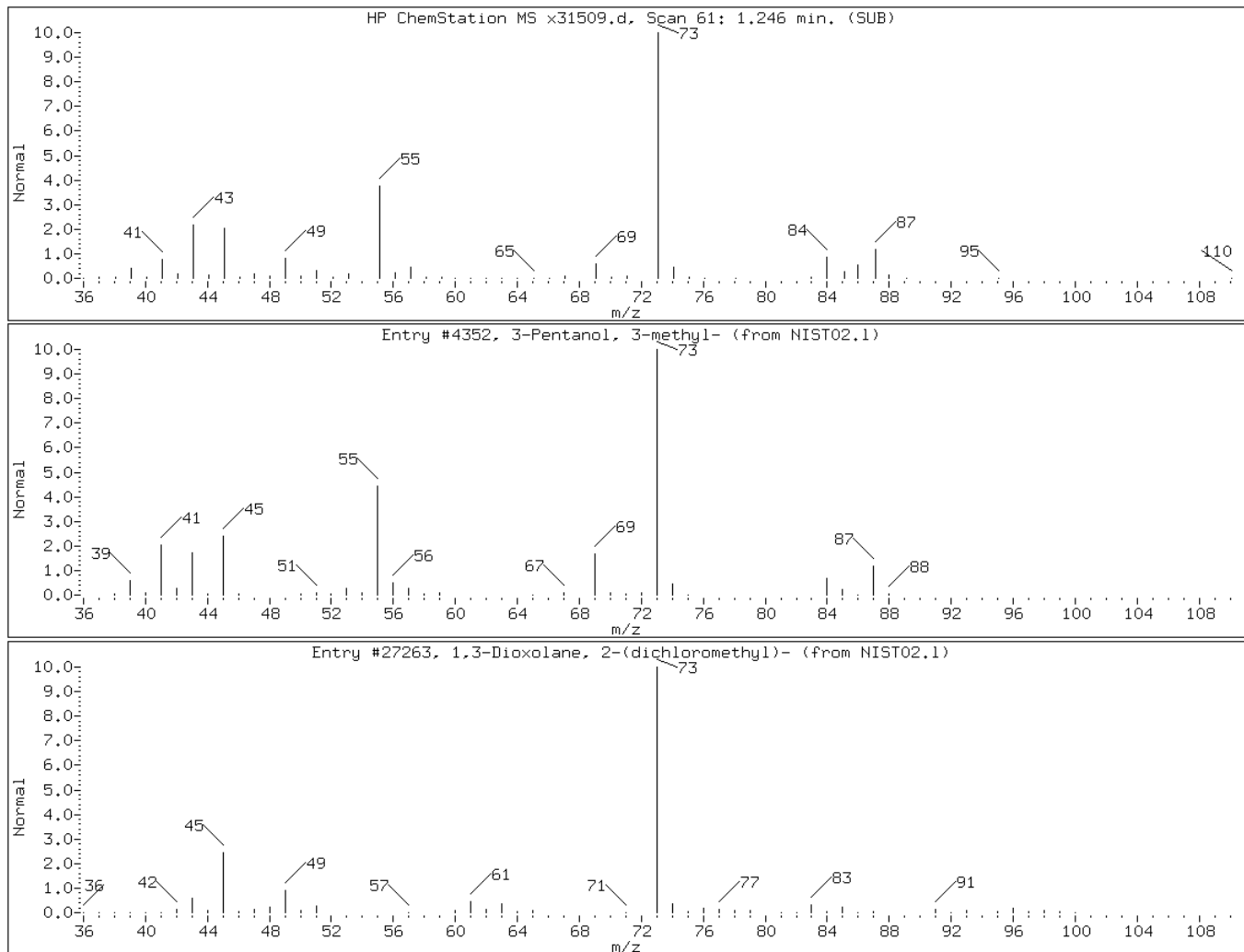
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 1.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-2						
3-Pentanol, 3-methyl-	77-74-7	NIST02.1	4352	59	C6H14O	102
1,3-Dioxolane, 2-(dichloromethyl)-	2612-35-3	NIST02.1	27263	33	C4H6Cl2O2	156



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

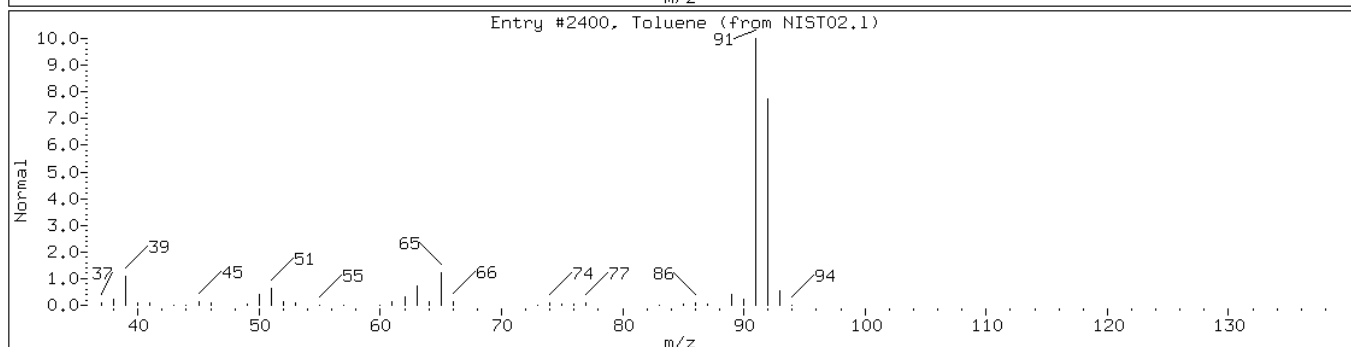
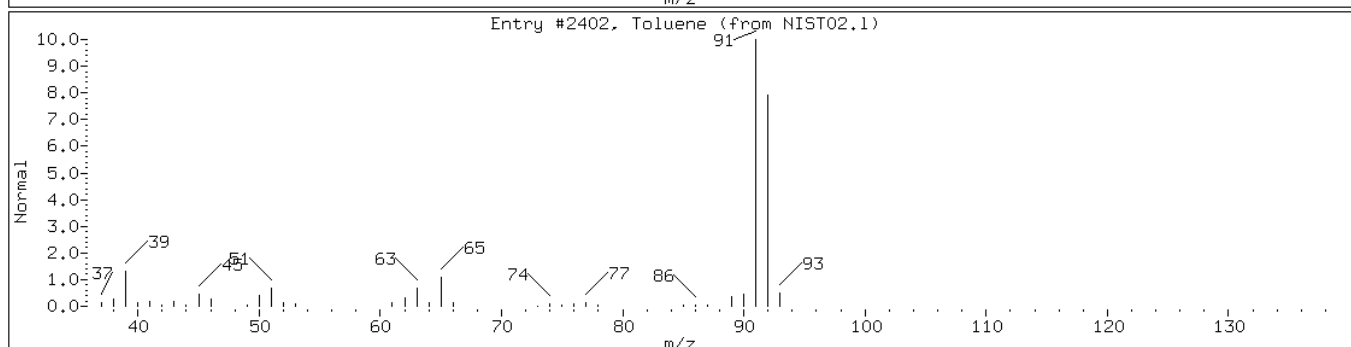
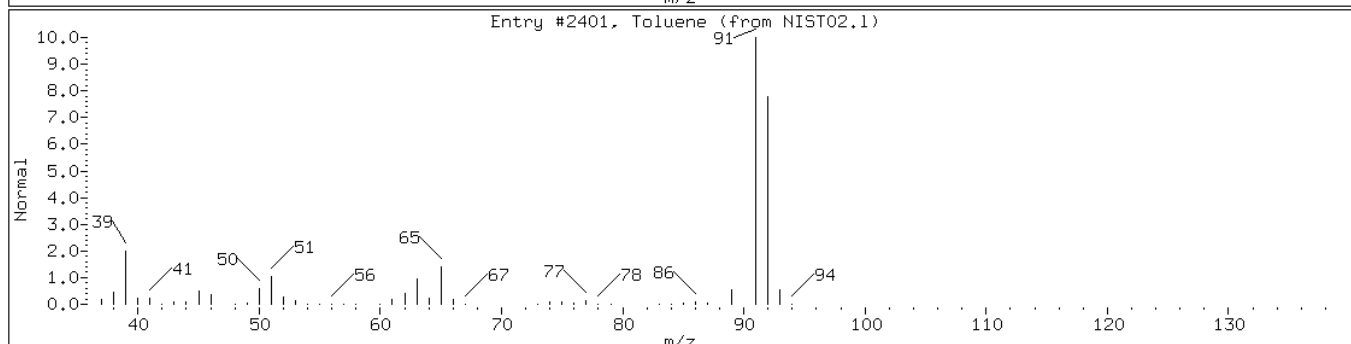
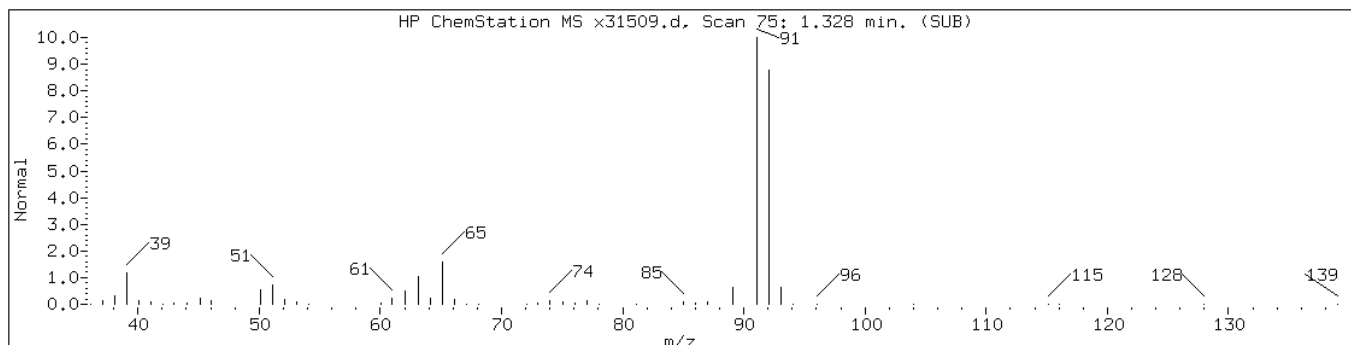
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 1.33

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Toluene	108-88-3	NIST02.1	2401	91	C7H8	92
Toluene	108-88-3	NIST02.1	2402	91	C7H8	92
Toluene	108-88-3	NIST02.1	2400	91	C7H8	92



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

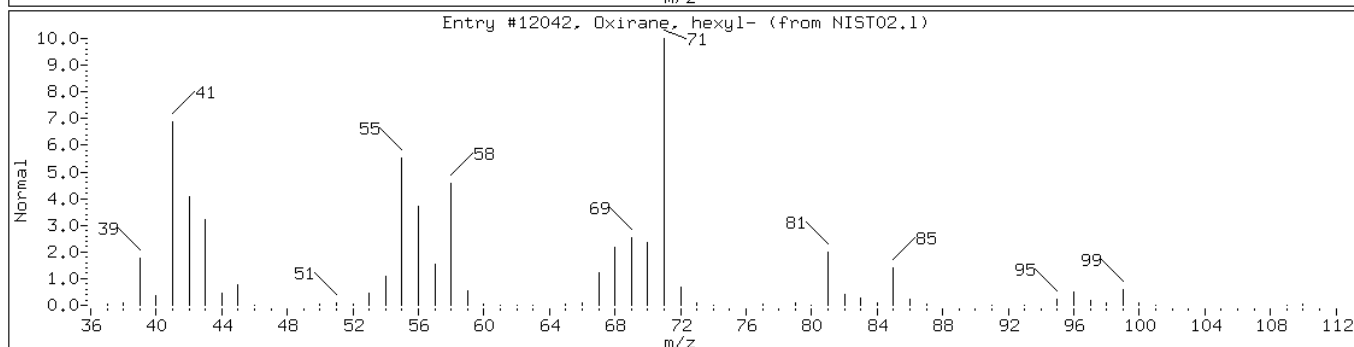
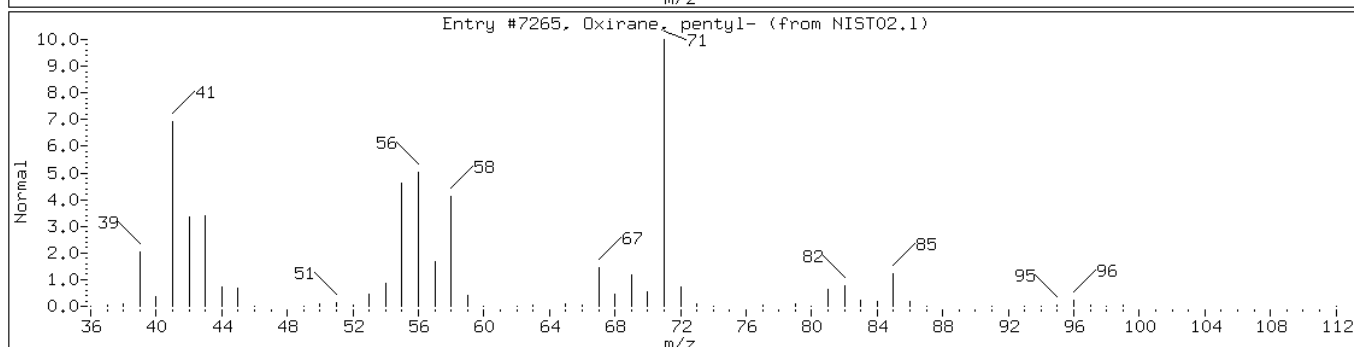
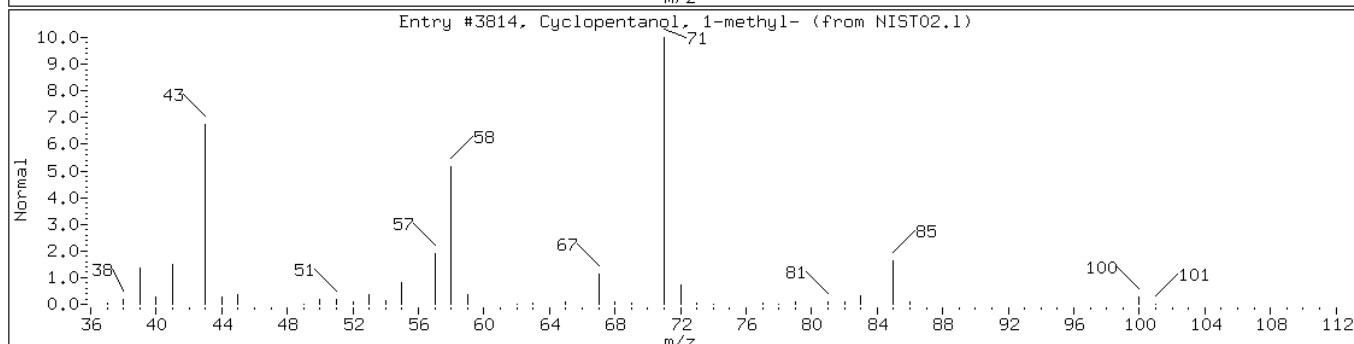
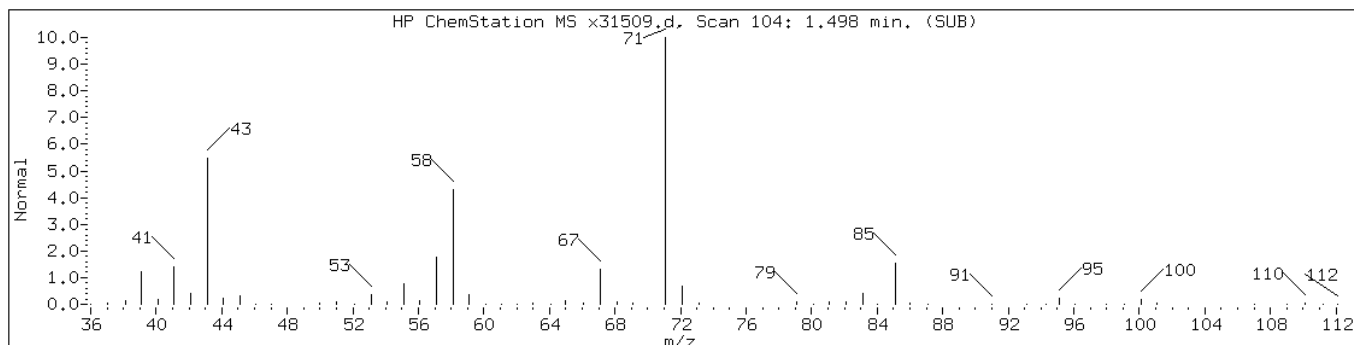
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 1.50

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclopentanol, 1-methyl-	1462-03-9	NIST02.1	3814	91	C6H12O	100
Oxirane, pentyl-	5063-65-0	NIST02.1	7265	74	C7H14O	114
Oxirane, hexyl-	2984-50-1	NIST02.1	12042	64	C8H16O	128



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

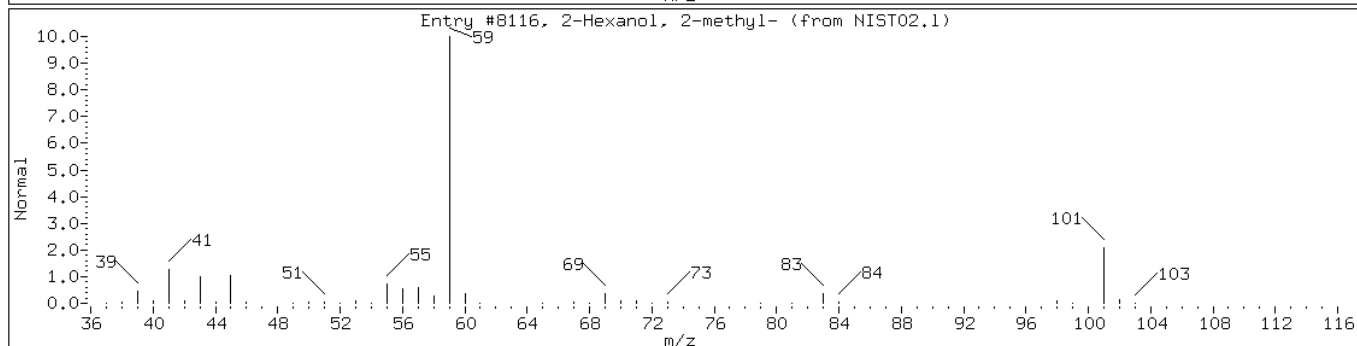
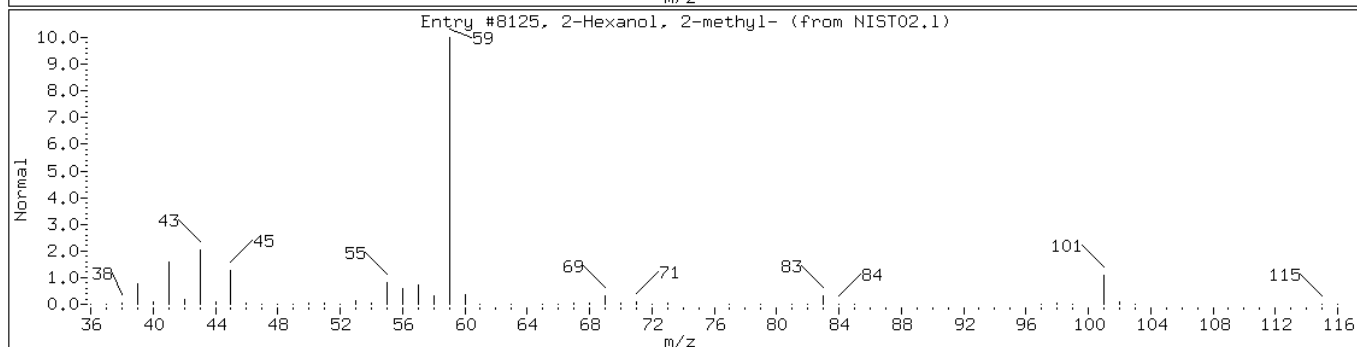
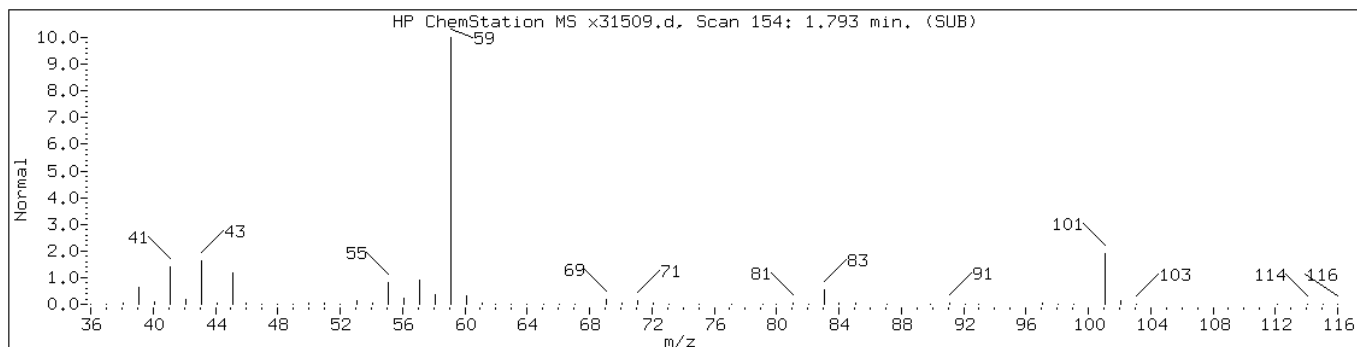
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 1.79

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-3						
2-Hexanol, 2-methyl-	625-23-0	NIST02.1	8125	83	C7H16O	116
2-Hexanol, 2-methyl-	625-23-0	NIST02.1	8116	74	C7H16O	116



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

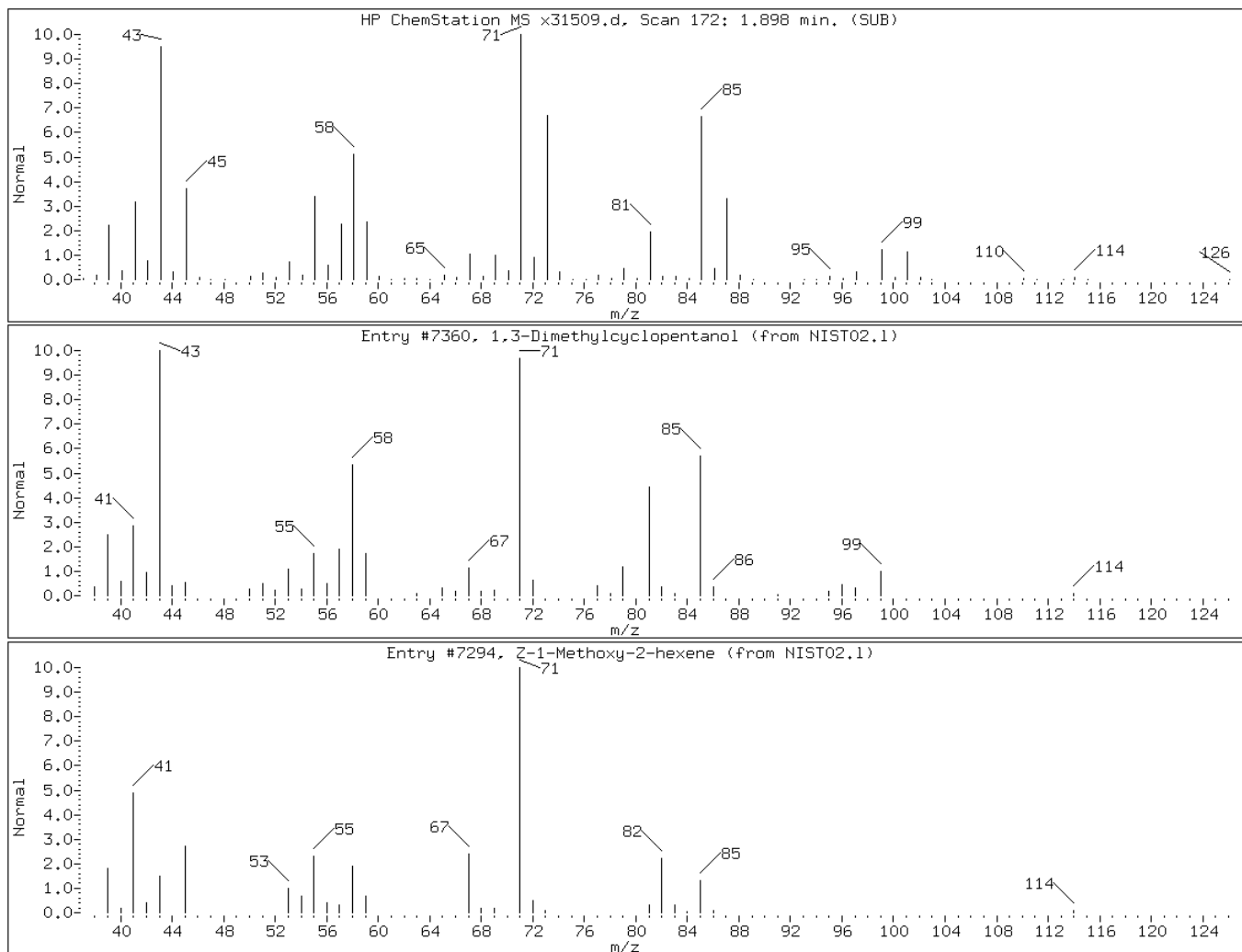
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 1.90

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-4						
1,3-Dimethylcyclopentanol	19550-46-0	NIST02.1	7360	70	C7H14O	114
Z-1-Methoxy-2-hexene	1000279-60-9	NIST02.1	7294	38	C7H14O	114



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

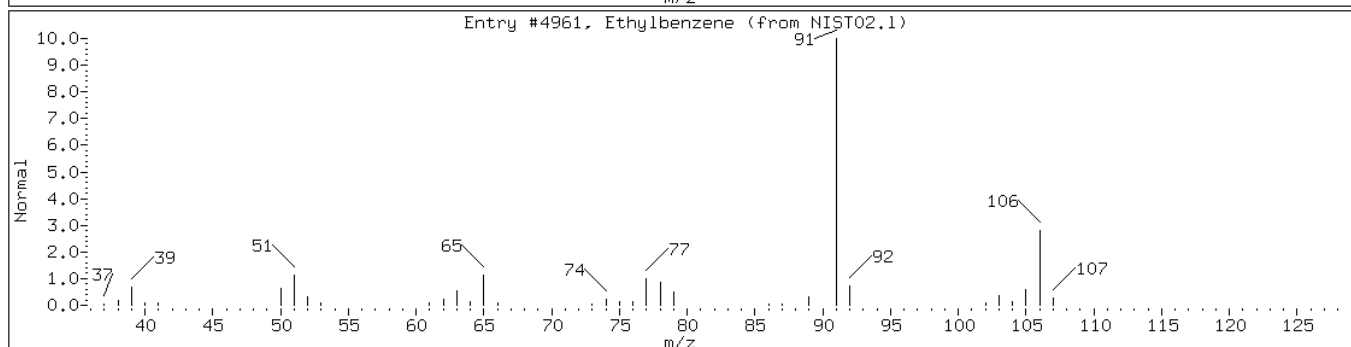
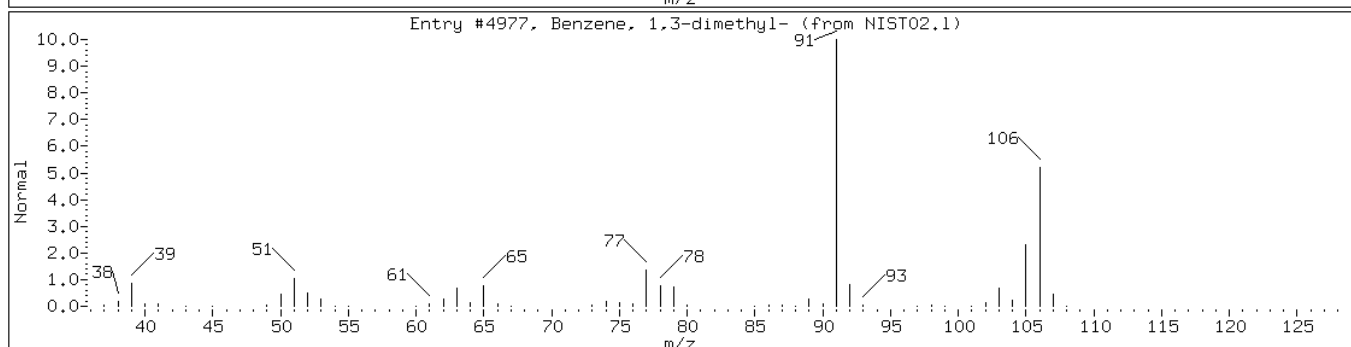
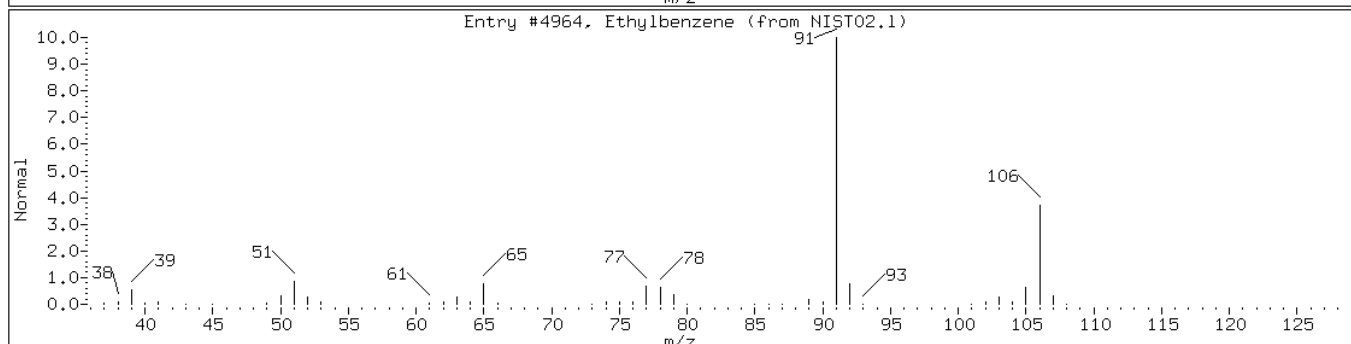
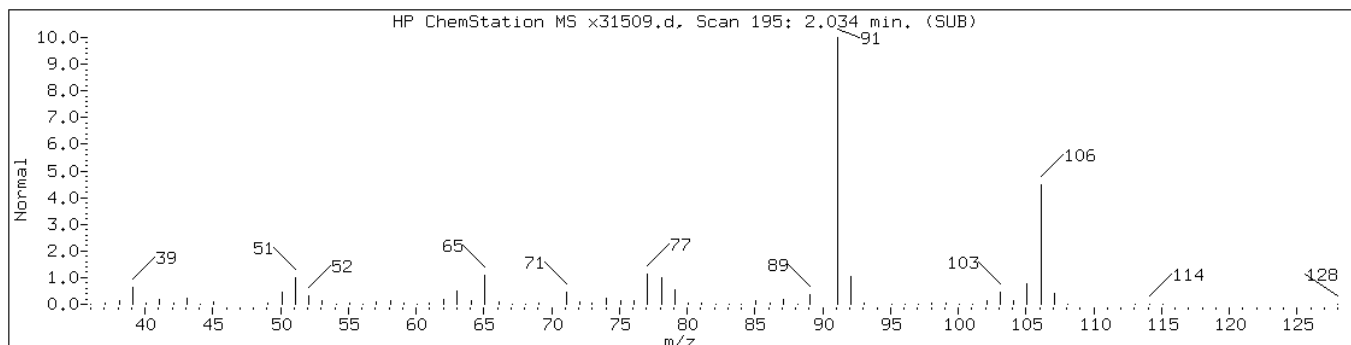
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 2.03

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethylbenzene	100-41-4	NIST02.1	4964	94	C8H10	106
Benzene, 1,3-dimethyl-	108-38-3	NIST02.1	4977	94	C8H10	106
Ethylbenzene	100-41-4	NIST02.1	4961	91	C8H10	106



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

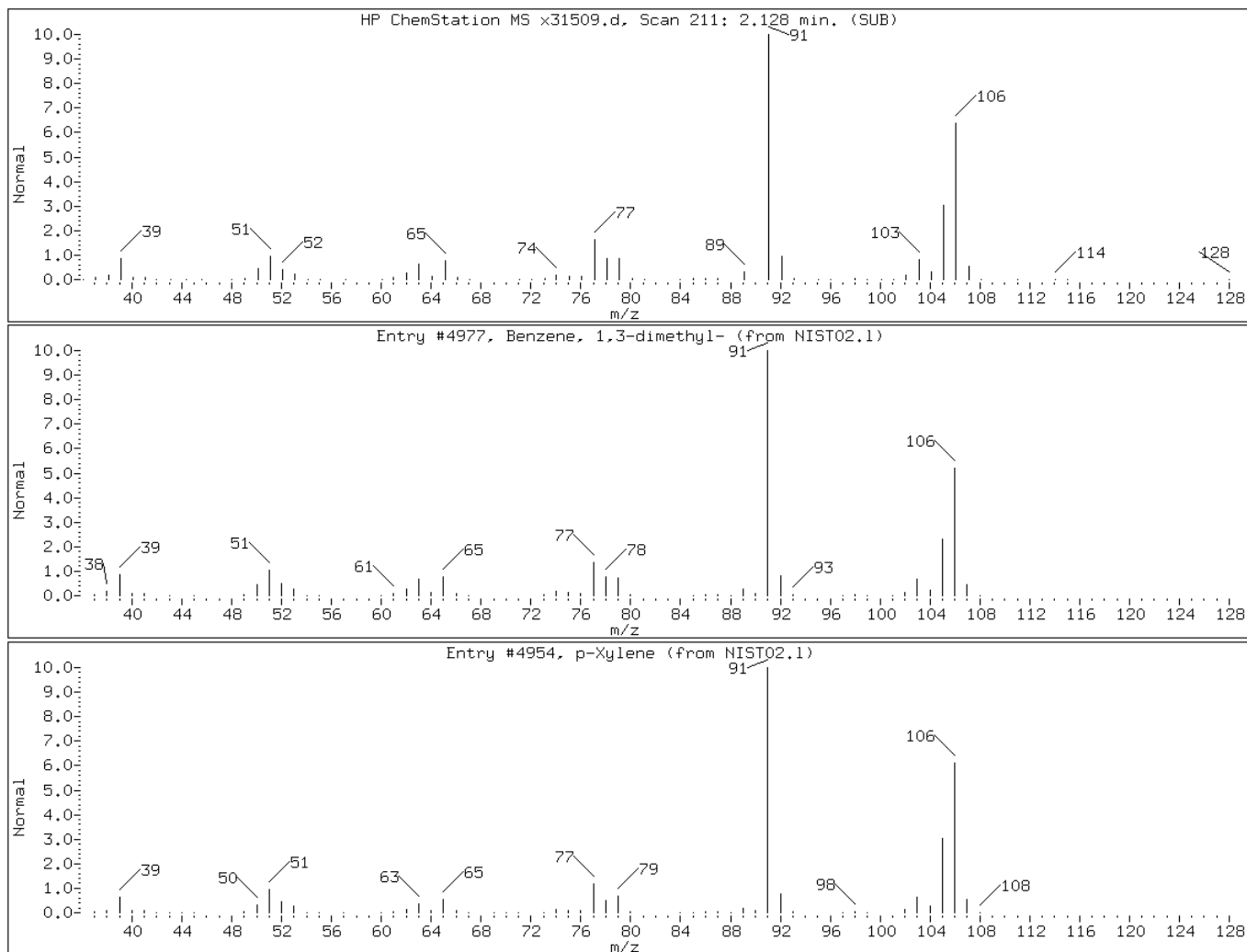
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 2.13

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Xylene isomer						
Benzene, 1,3-dimethyl-	108-38-3	NIST02.1	4977	97	C8H10	106
p-Xylene	106-42-3	NIST02.1	4954	97	C8H10	106



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

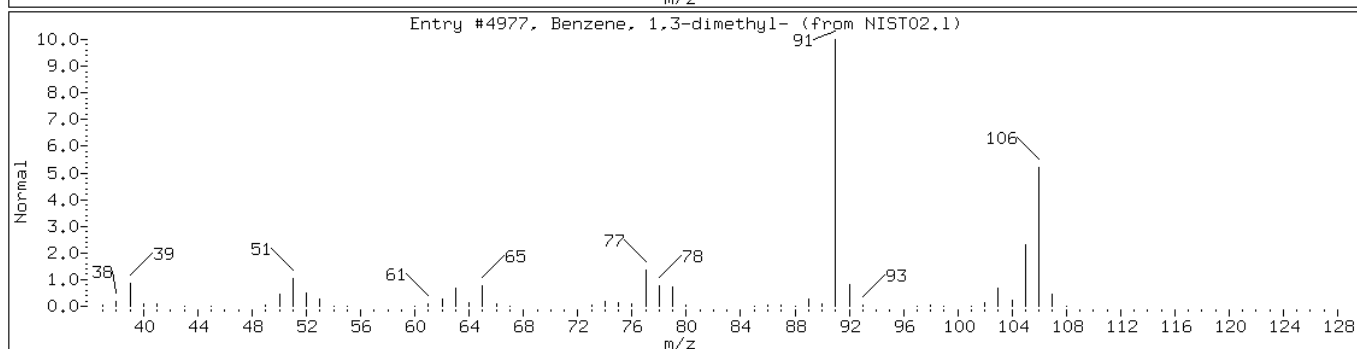
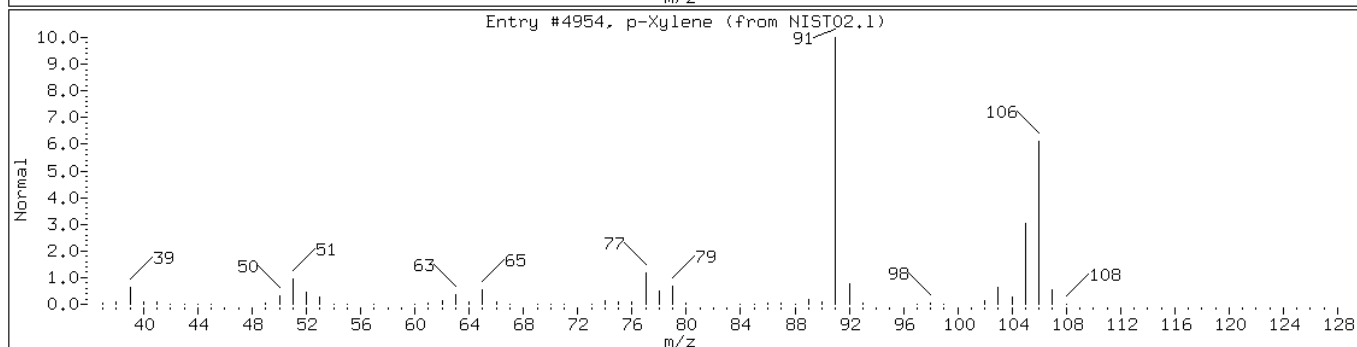
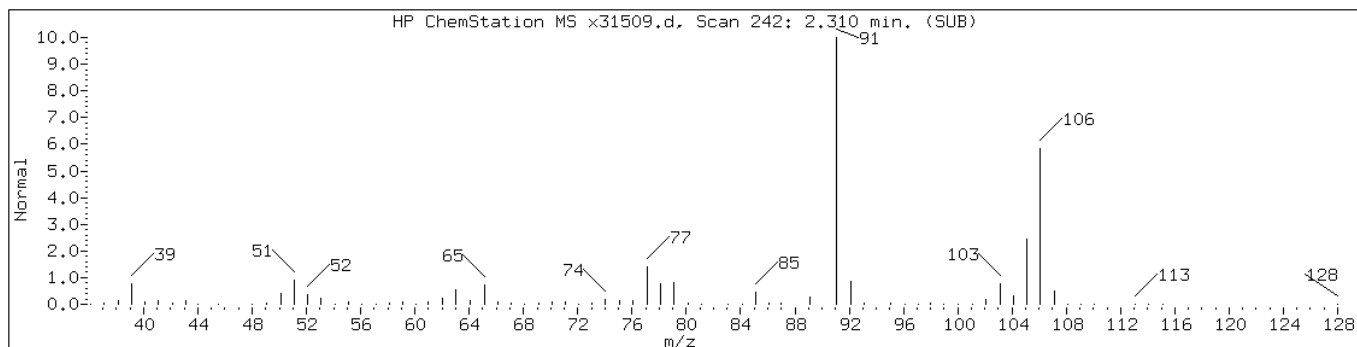
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 2.31

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Xylene isomer-2						
p-Xylene	106-42-3	NIST02.1	4954	97	C8H10	106
Benzene, 1,3-dimethyl-	108-38-3	NIST02.1	4977	97	C8H10	106



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

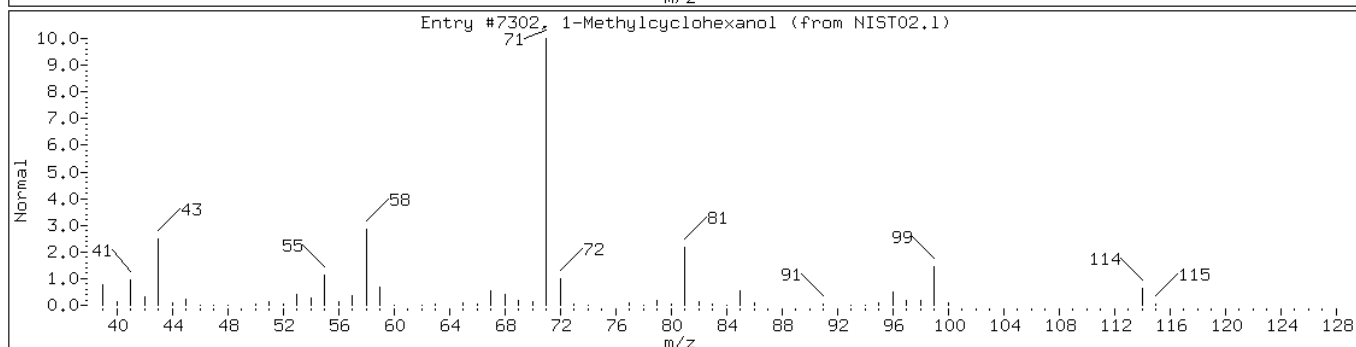
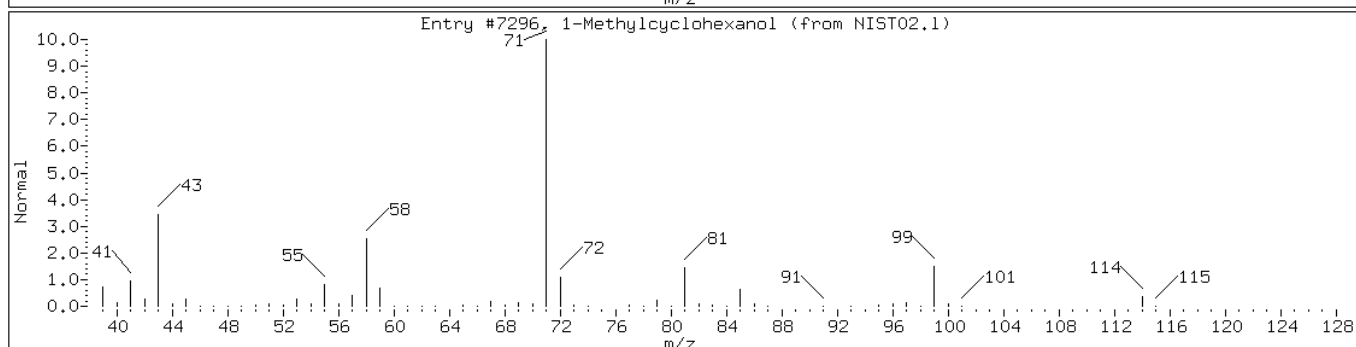
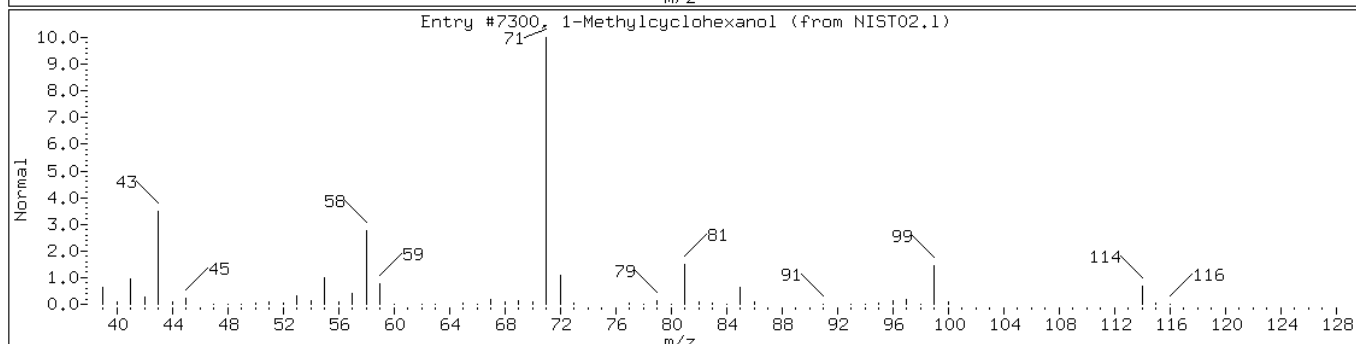
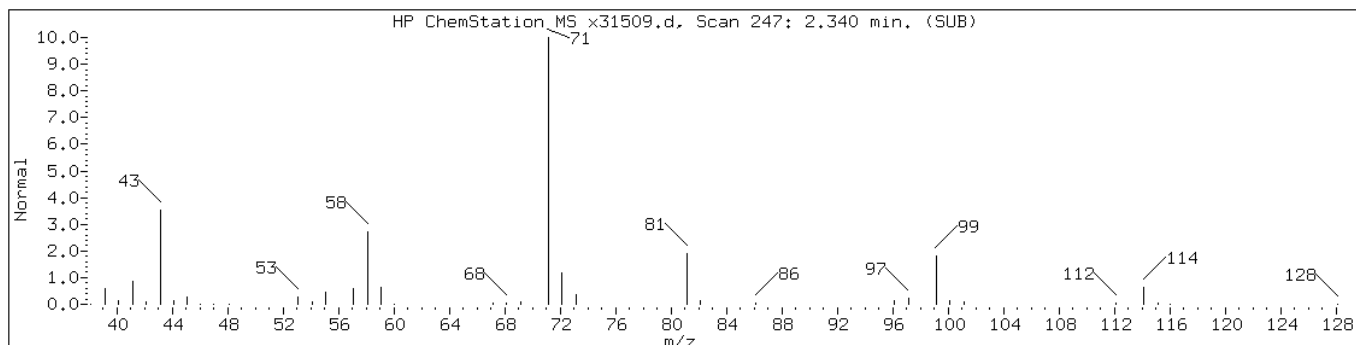
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 2.34

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Methylcyclohexanol	590-67-0	NIST02.1	7300	90	C7H14O	114
1-Methylcyclohexanol	590-67-0	NIST02.1	7296	87	C7H14O	114
1-Methylcyclohexanol	590-67-0	NIST02.1	7302	87	C7H14O	114



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

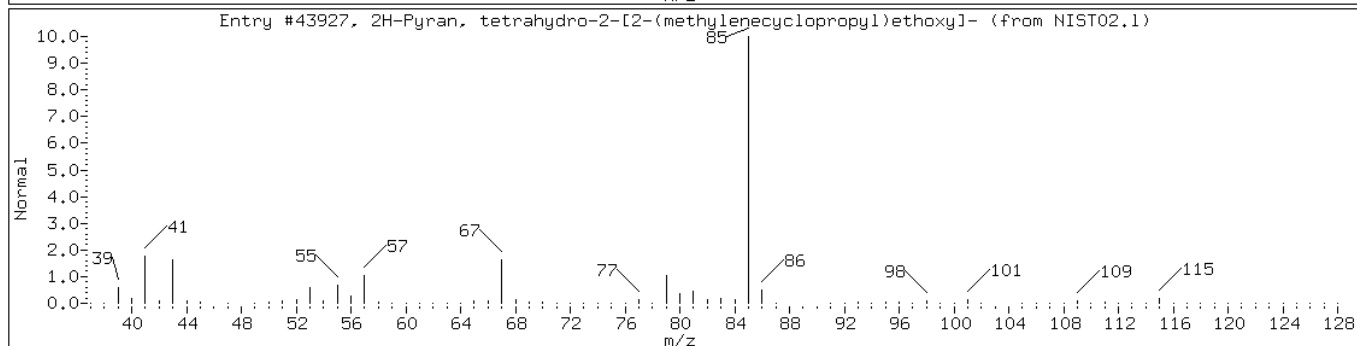
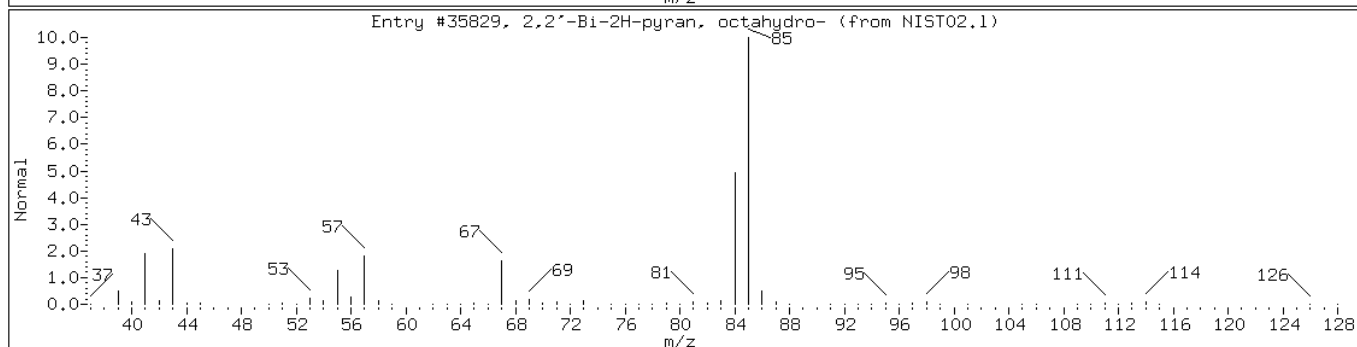
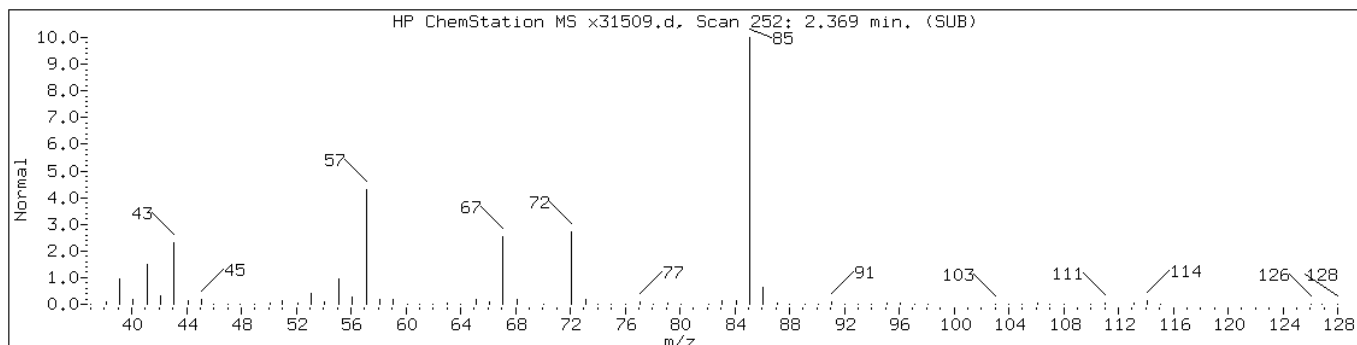
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 2.37

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-5						
2,2'-Bi-2H-pyran, octahydro-	16282-29-4	NIST02.1	35829	42	C10H18O2	170
2H-Pyran, tetrahydro-2-[2-(methyl	107616-98-8	NIST02.1	43927	42	C11H18O2	182



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

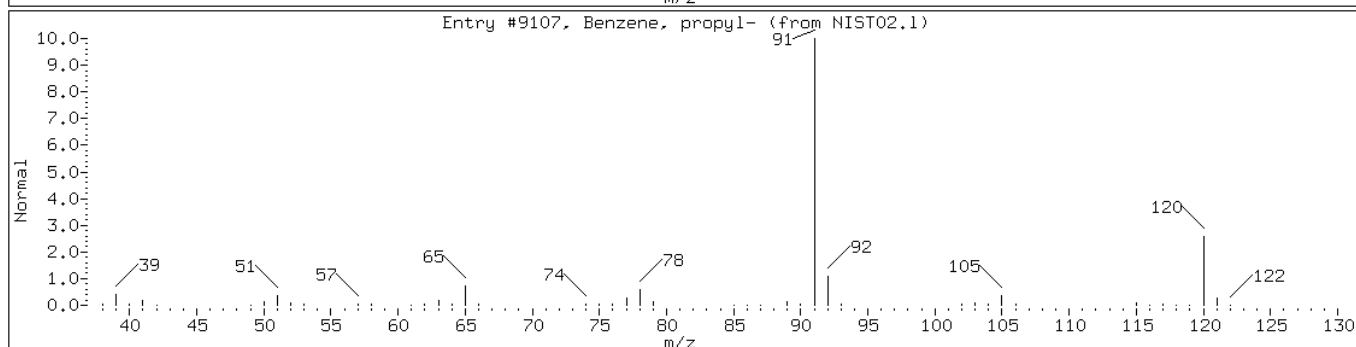
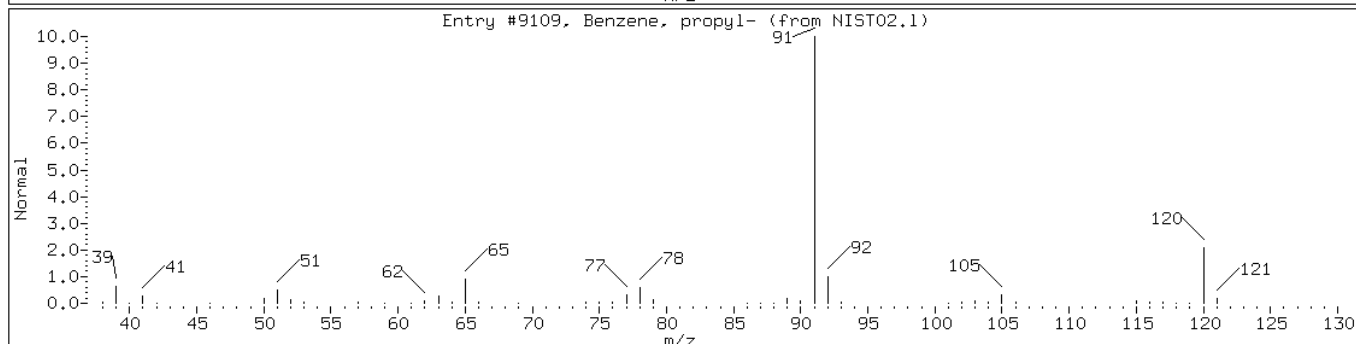
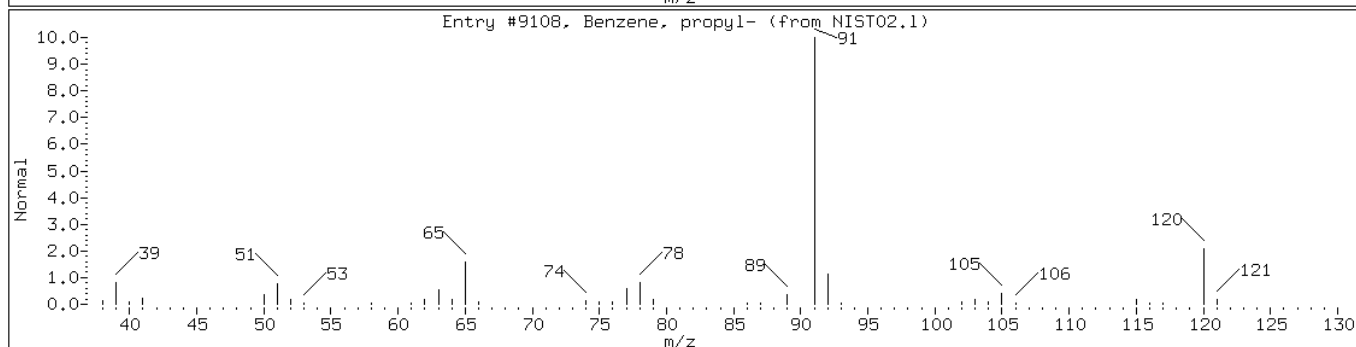
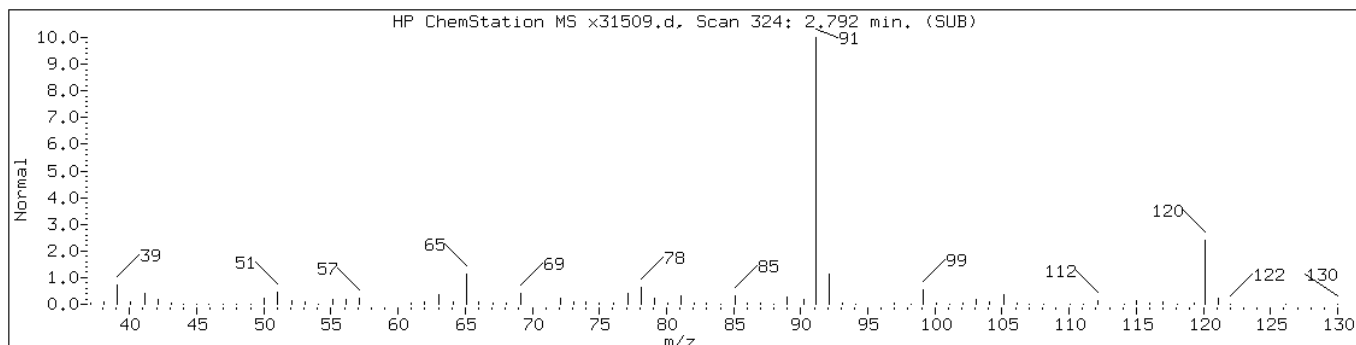
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 2.79

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, propyl-	103-65-1	NIST02.1	9108	93	C9H12	120
Benzene, propyl-	103-65-1	NIST02.1	9109	87	C9H12	120
Benzene, propyl-	103-65-1	NIST02.1	9107	87	C9H12	120



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

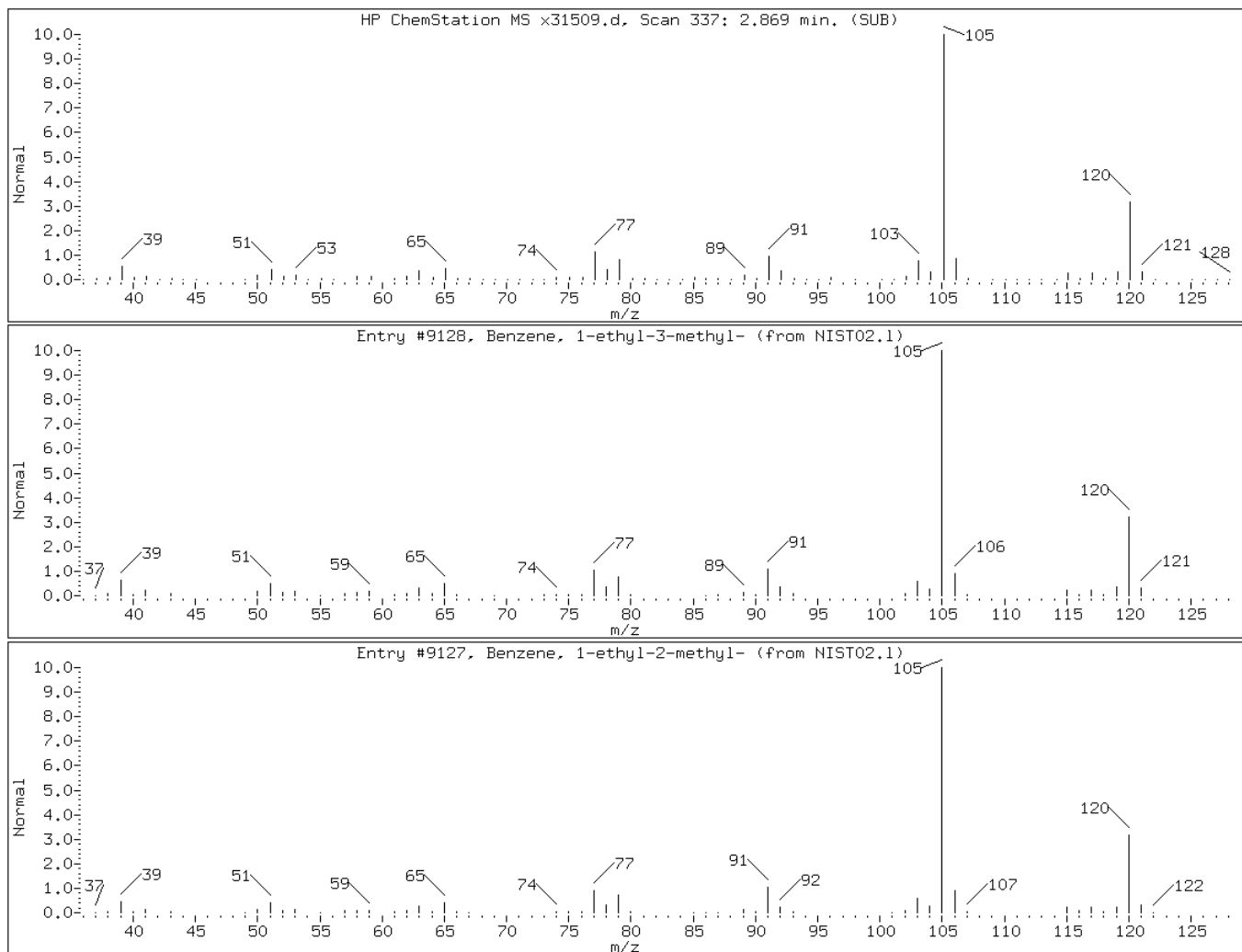
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 2.87

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethylmethylbenzene isomer-1						
Benzene, 1-ethyl-3-methyl-	620-14-4	NIST02.1	9128	97	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NIST02.1	9127	95	C9H12	120



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

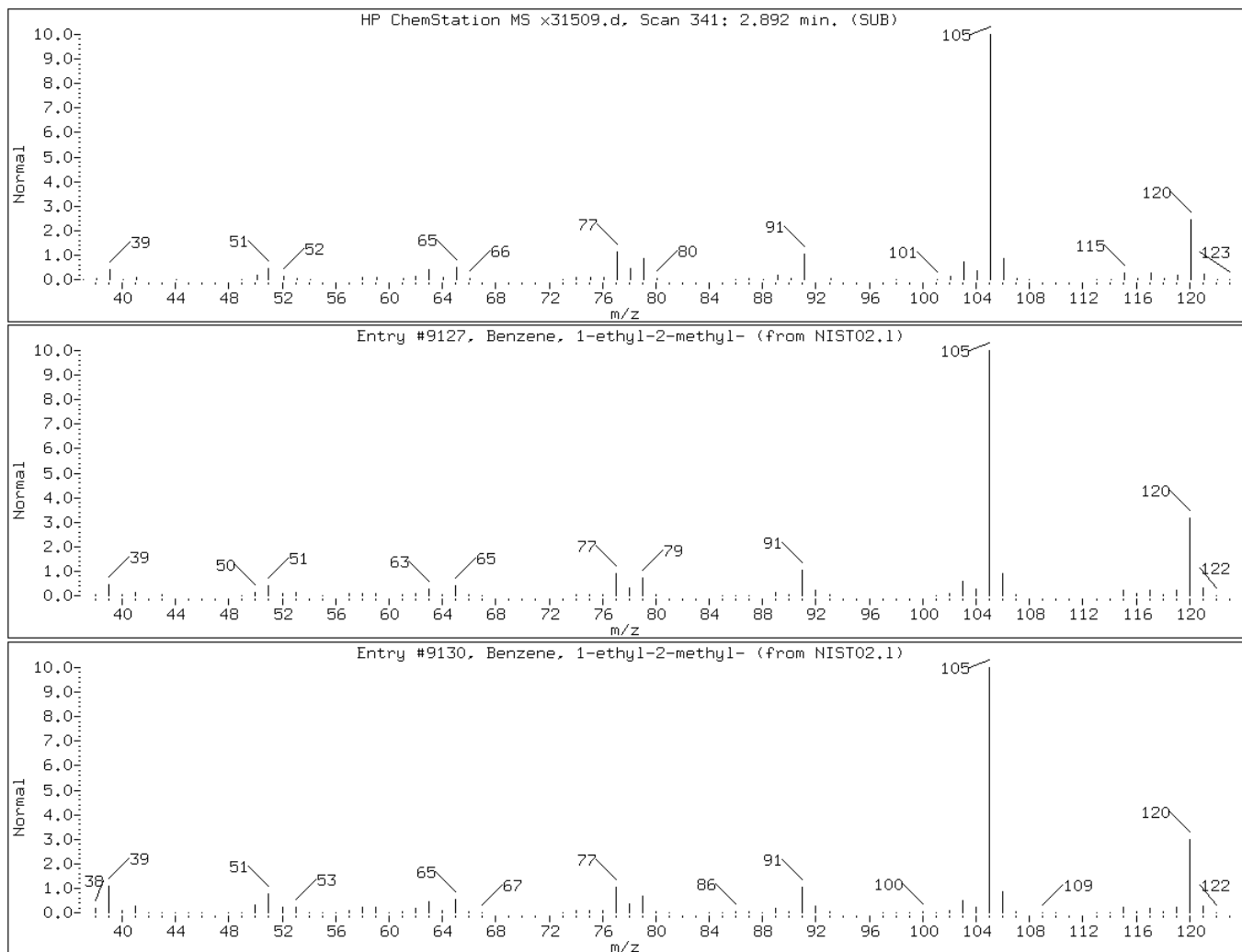
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 2.89

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethylmethylbenzene isomer-2						
Benzene, 1-ethyl-2-methyl-	611-14-3	NIST02.1	9127	94	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NIST02.1	9130	94	C9H12	120



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

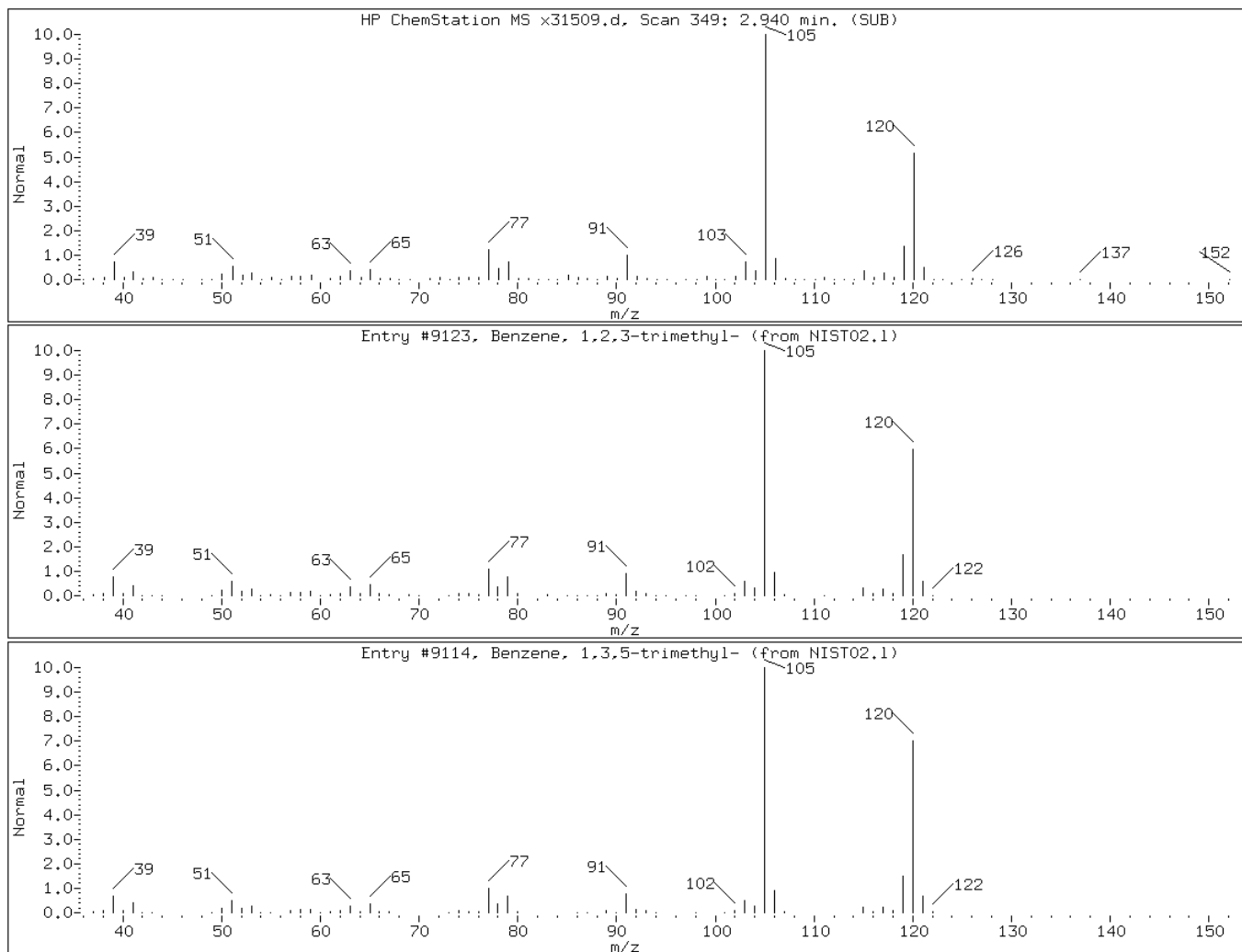
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 2.94

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylbenzene isomer-1						
Benzene, 1,2,3-trimethyl-	526-73-8	NIST02.1	9123	97	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NIST02.1	9114	97	C9H12	120



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

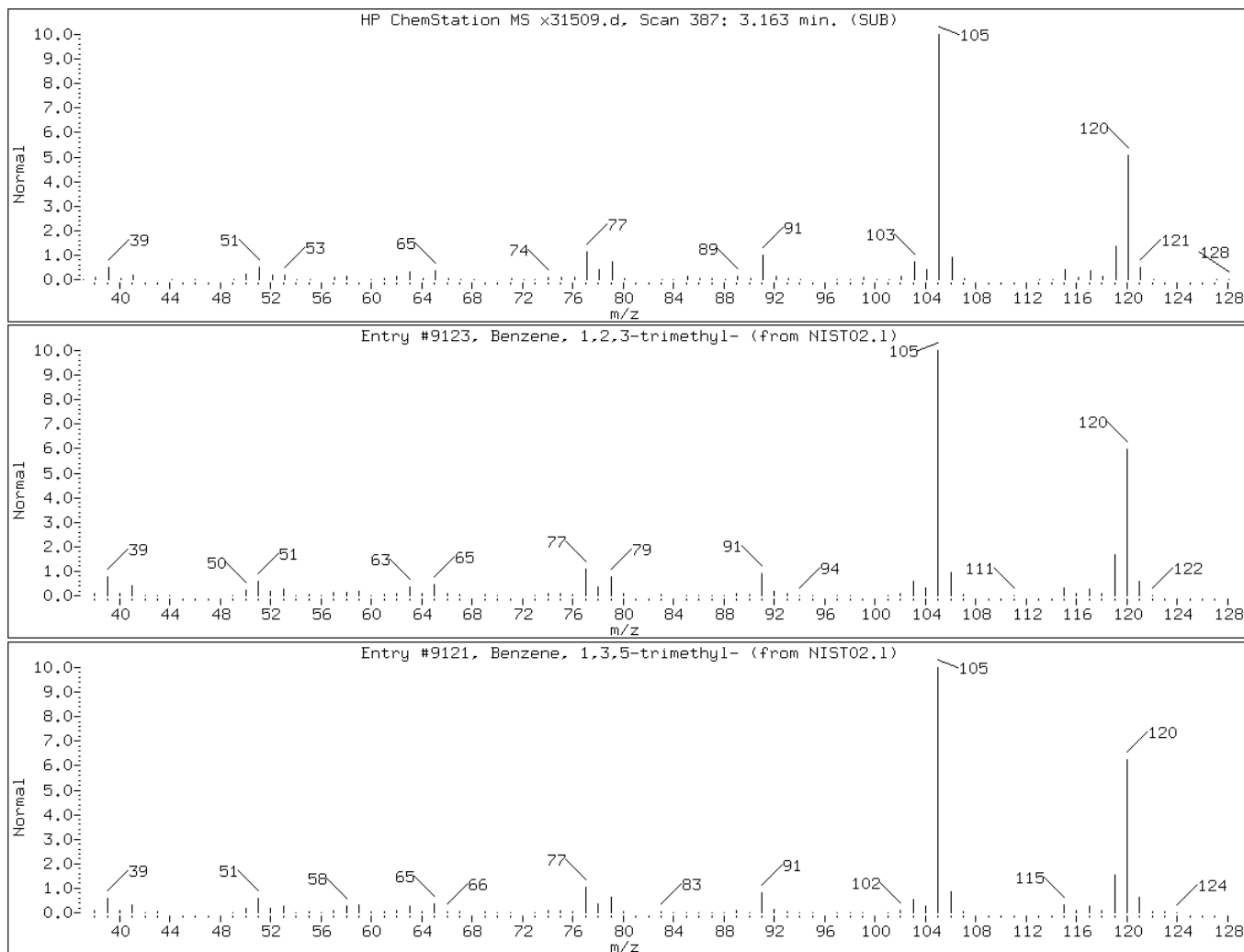
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 3.16

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylbenzene isomer-2						
Benzene, 1,2,3-trimethyl-	526-73-8	NIST02.1	9123	97	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NIST02.1	9121	95	C9H12	120



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

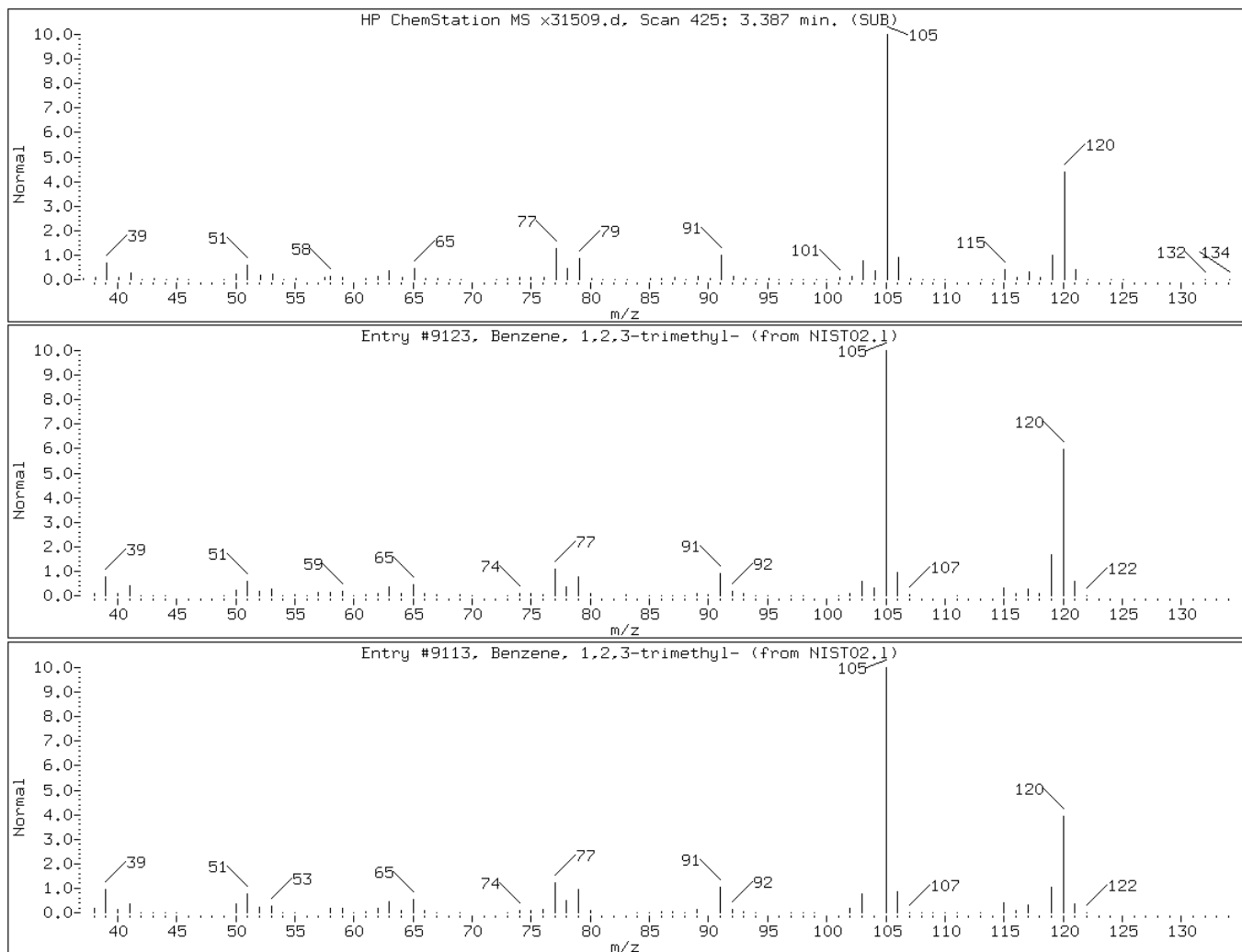
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 3.39

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylbenzene isomer-3						
Benzene, 1,2,3-trimethyl-	526-73-8	NIST02.1	9123	95	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NIST02.1	9113	94	C9H12	120



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

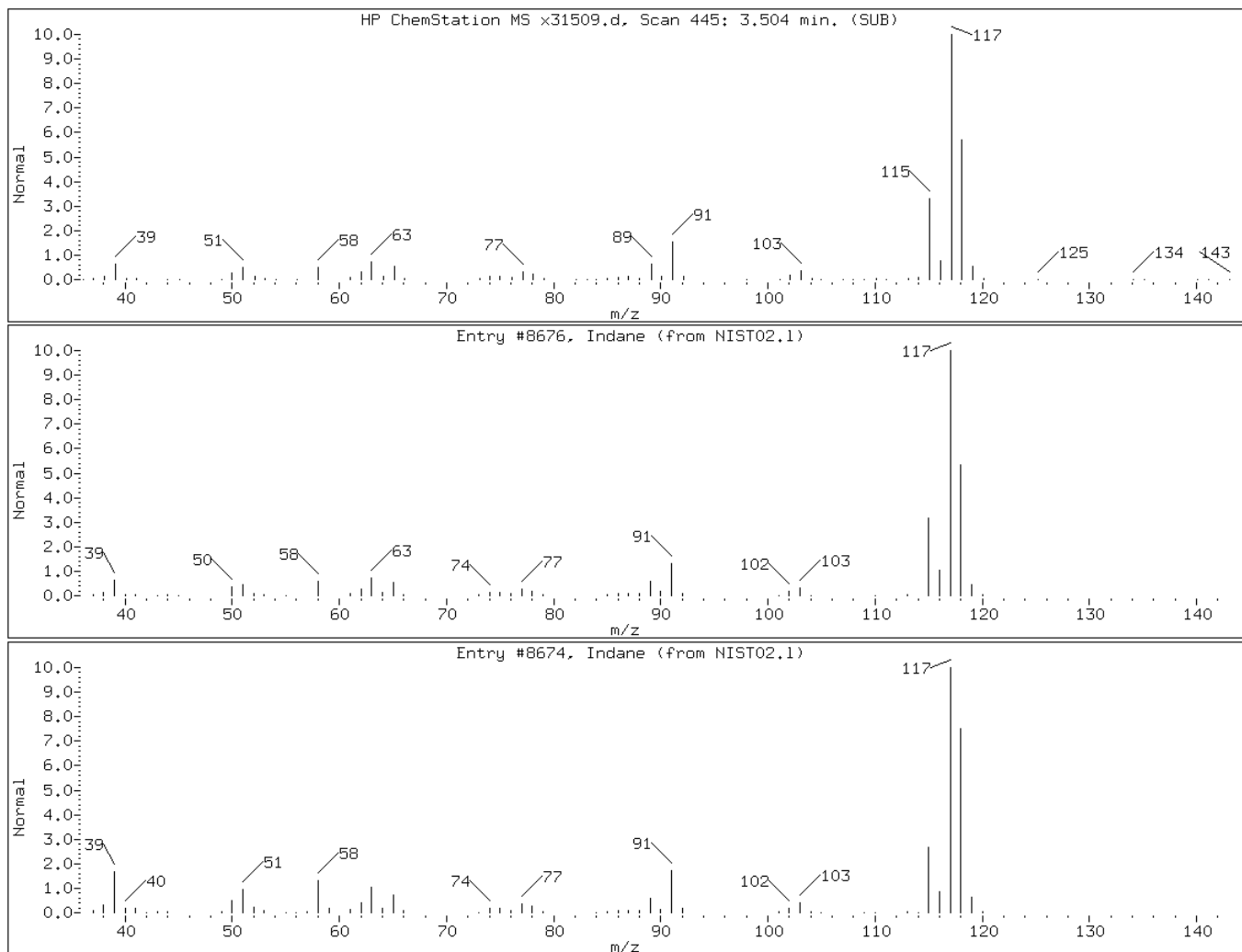
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 3.50

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Indane	496-11-7	NIST02.1	8676	94	C9H10	118
C9H10 Aromatic						
Indane	496-11-7	NIST02.1	8674	91	C9H10	118



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

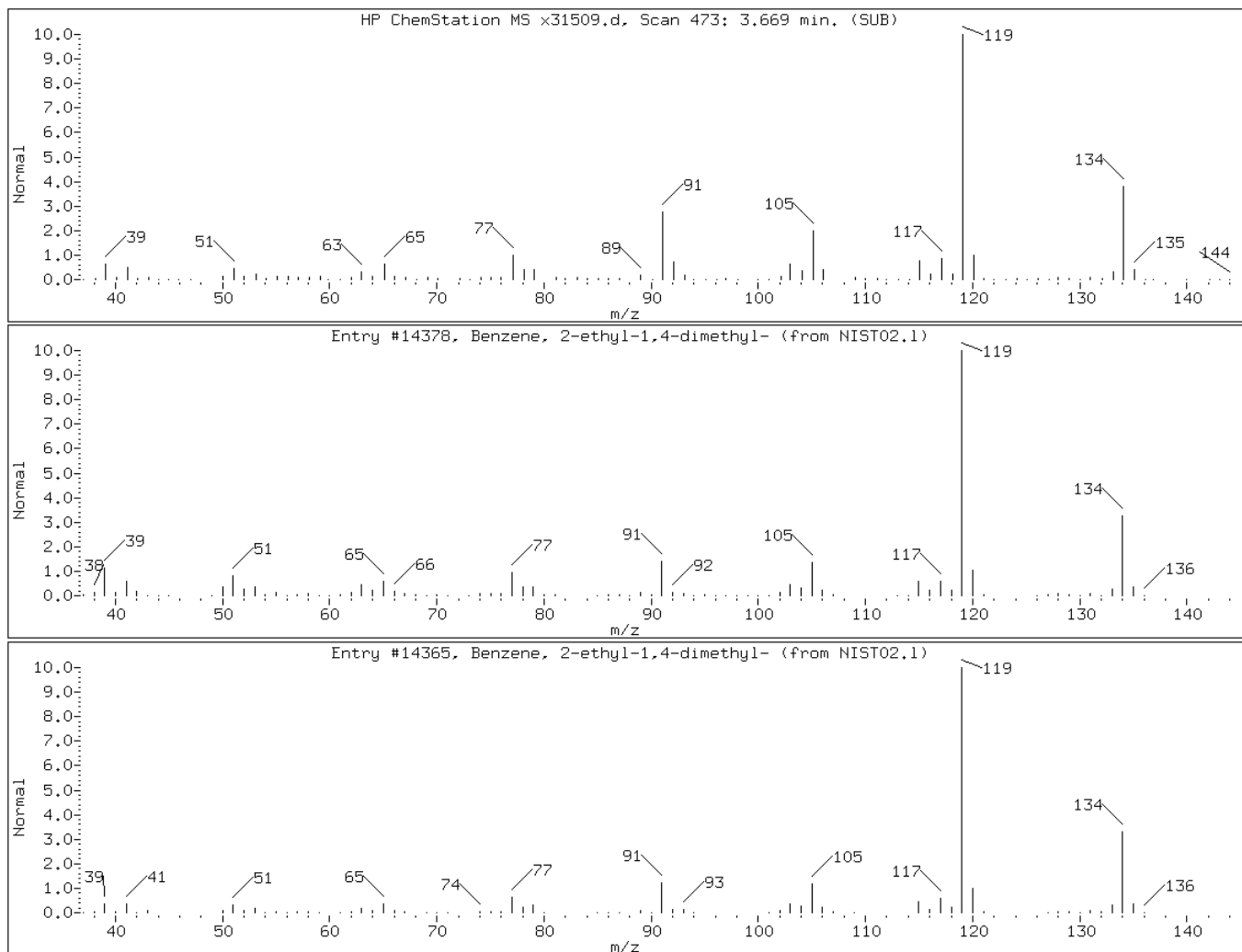
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 3.67

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl dimethylbenzene isomer						
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NIST02.1	14378	97	C10H14	134
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NIST02.1	14365	96	C10H14	134



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

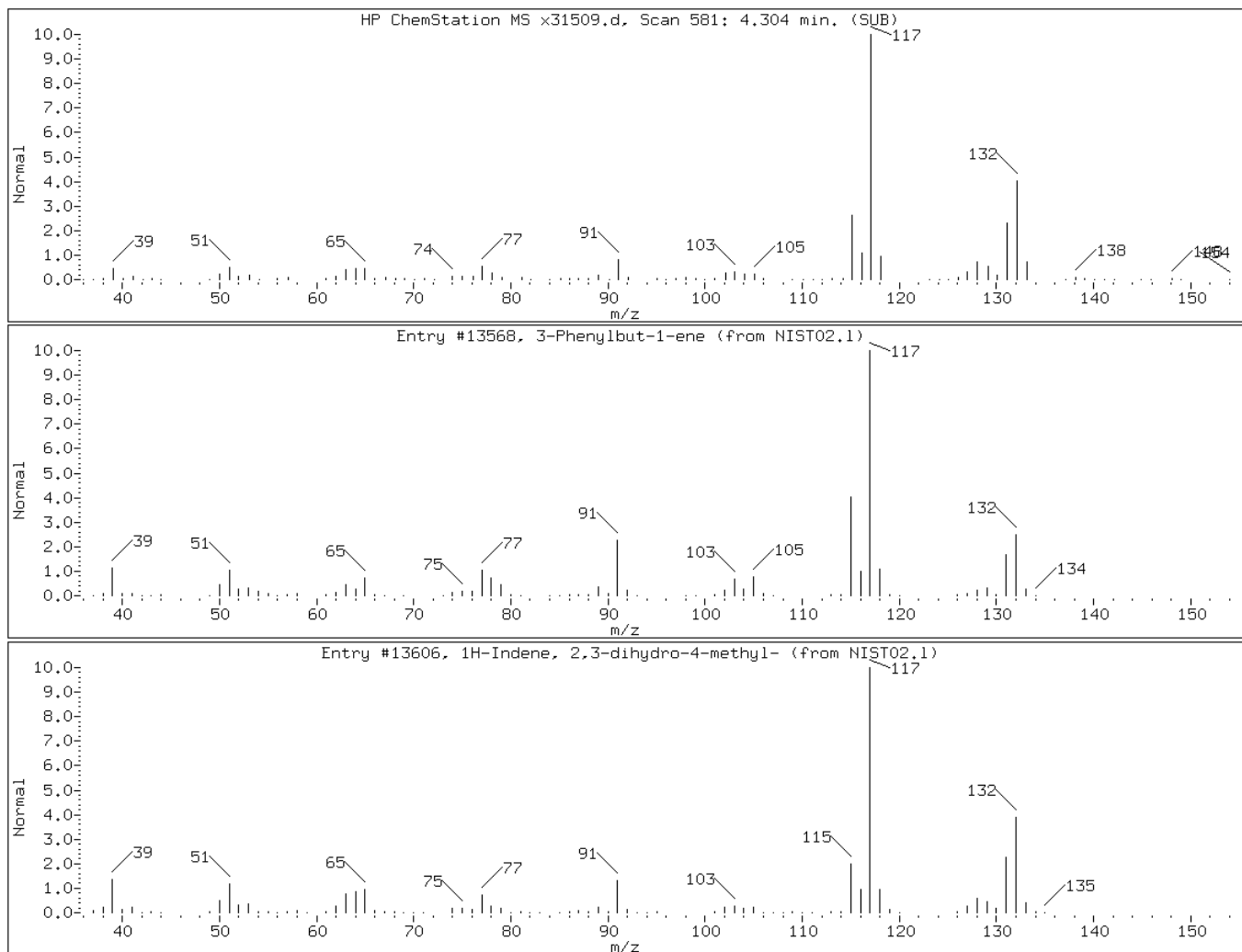
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 4.30

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H12 Aromatic-1						
3-Phenylbut-1-ene	934-10-1	NIST02.1	13568	91	C10H12	132
1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	NIST02.1	13606	91	C10H12	132



Data File: x31509.d

Date: 31-OCT-2012 23:30

Client ID:

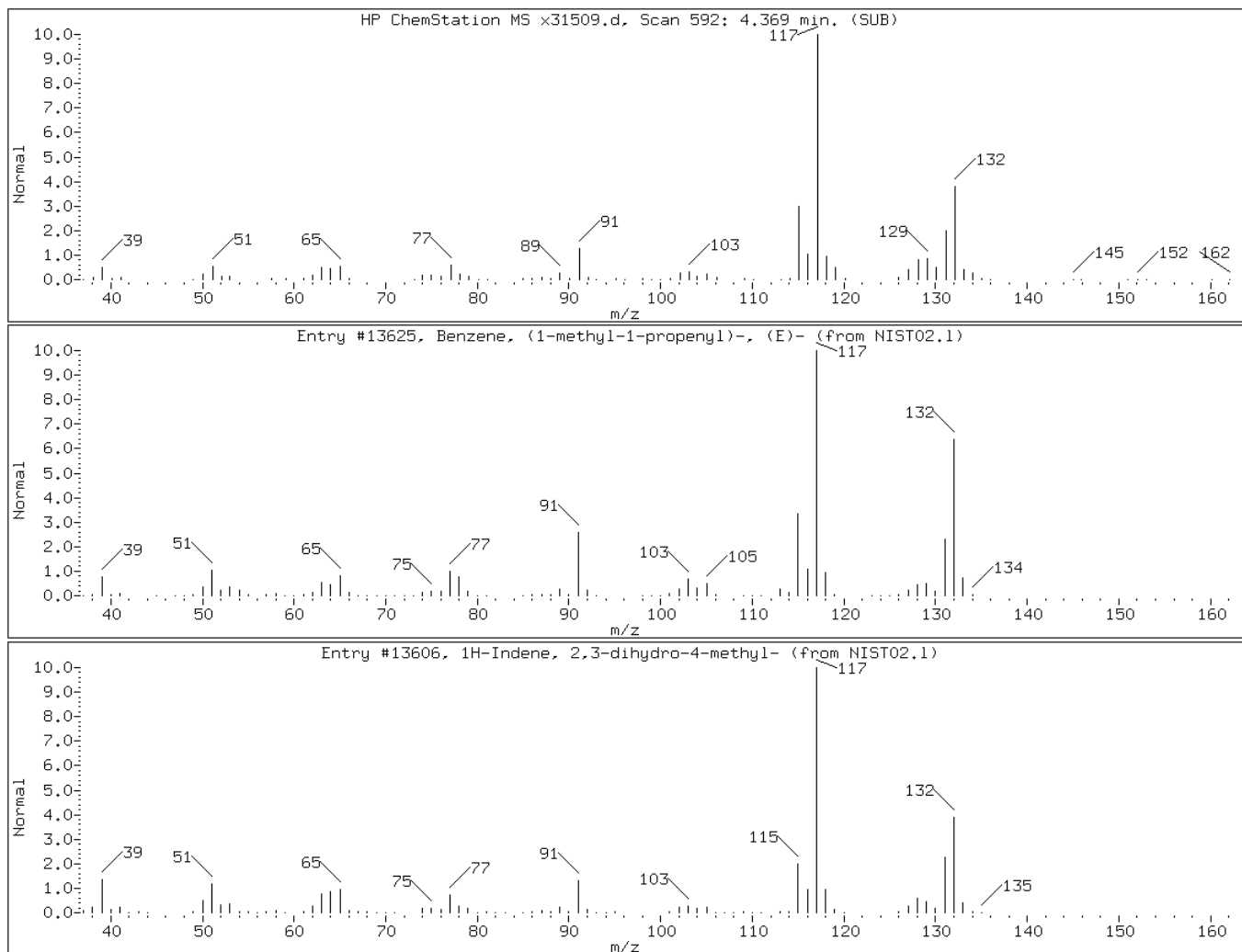
Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

Retention Time: 4.37

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H12 Aromatic-2						
Benzene, (1-methyl-1-propenyl)-, (	768-00-3	NIST02.1	13625	91	C10H12	132
1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	NIST02.1	13606	90	C10H12	132



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: WG-17338-102212-MW36S-MM- Lab Sample ID: 460-46388-2 DL
Matrix: Water Lab File ID: x31654.d
Analysis Method: 8270C Date Collected: 10/22/2012 12:15
Extract. Method: 3510C Date Extracted: 10/27/2012 19:10
Sample wt/vol: 970 (mL) Date Analyzed: 11/06/2012 02:01
Con. Extract Vol.: 2 (mL) Dilution Factor: 2
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 134518 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	270	D	21	5.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	102	D	46-122
321-60-8	2-Fluorobiphenyl	102	D	53-108
367-12-4	2-Fluorophenol (Surr)	54	D	10-65
4165-60-0	Nitrobenzene-d5 (Surr)	99	D	56-112
4165-62-2	Phenol-d5 (Surr)	38	D	10-48
1718-51-0	Terphenyl-d14 (Surr)	100	D	50-122

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: WG-17338-102212-MW36S-MM- Lab Sample ID: 460-46388-2 DL
Matrix: Water Lab File ID: x31654.d
Analysis Method: 8270C Date Collected: 10/22/2012 12:15
Extract. Method: 3510C Date Extracted: 10/27/2012 19:10
Sample wt/vol: 970 (mL) Date Analyzed: 11/06/2012 02:01
Con. Extract Vol.: 2 (mL) Dilution Factor: 2
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 134518 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

Data File: /chem/BNAMS5.i/8270/10-17-12del/06nov12.b/x31654.d
 Report Date: 06-Nov-2012 03:20

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/10-17-12del/06nov12.b/x31654.d
 Lab Smp Id: 460-46388-F-2-B
 Inj Date : 06-NOV-2012 02:01
 Operator : BNAMS 4
 Smp Info : 460-46388-F-2-B
 Misc Info :
 Comment :
 Method : /chem/BNAMS5.i/8270/10-17-12del/06nov12.b/8270Cdel_08.m
 Meth Date : 06-Nov-2012 02:12 asfawa Quant Type: ISTD
 Cal Date : 06-NOV-2012 00:56 Cal File: x31652.d
 Als bottle: 4
 Dil Factor: 2.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1
 Inst ID: BNAMS5.i
 Compound Sublist: allh20.sub

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ug/ml)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====	
\$ 16 2-Fluorophenol (SUR)	112	2.052	2.034	(0.637)	271493	13.5824	54(H)	
\$ 17 Phenol-d5 (SUR)	99	2.916	2.922	(0.905)	203886	9.50304	38(H)	
* 79 1,4-Dichlorobenzene-d4	152	3.222	3.222	(1.000)	701905	40.0000		
3 2-Methylphenol	108	3.546	3.551	(1.100)	13317	0.79949	3.2(a)	
\$ 76 Nitrobenzene-d5 (SUR)	82	3.799	3.810	(0.839)	525410	24.6907	99	
* 80 Naphthalene-d8	136	4.528	4.528	(1.000)	2454888	40.0000		
31 Naphthalene	128	4.551	4.551	(1.005)	4018025	64.6347	260	
34 2-Methylnaphthalene	142	5.245	5.251	(1.158)	1204023	32.5418	130	
120 1-Methylnaphthalene	142	5.340	5.345	(1.179)	730932	19.7266	79	
\$ 77 2-Fluorobiphenyl (SUR)	172	5.628	5.633	(0.899)	942944	25.4656	100	
102 Diphenyl	154	5.716	5.722	(0.913)	91611	2.16449	8.6(a)	
* 82 Acenaphthene-d10	164	6.263	6.269	(1.000)	1038195	40.0000		
42 Acenaphthene	154	6.292	6.298	(1.005)	13719	0.48909	2.0(a)	
43 Dibenzofuran	168	6.463	6.469	(1.032)	32390	0.83631	3.3(a)	
47 Fluorene	166	6.792	6.798	(1.085)	26767	0.89402	3.6(a)	

Data File: /chem/BNAMS5.i/8270/10-17-12del/06nov12.b/x31654.d
 Report Date: 06-Nov-2012 03:20

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.034	7.033	(1.123)	75377	25.4996	100
* 83 Phenanthrene-d10	188	7.692	7.692	(1.000)	1182985	40.0000	
52 Phenanthrene	178	7.716	7.716	(1.003)	23347	0.69432	2.8(a)
\$ 78 Terphenyl-d14	244	9.263	9.263	(0.905)	423436	25.0028	100
* 81 Chrysene-d12	240	10.239	10.245	(1.000)	626112	40.0000	
* 84 Perylene-d12	264	11.798	11.804	(1.000)	494910	40.0000	

QC Flag Legend

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

Data File: x31654.d

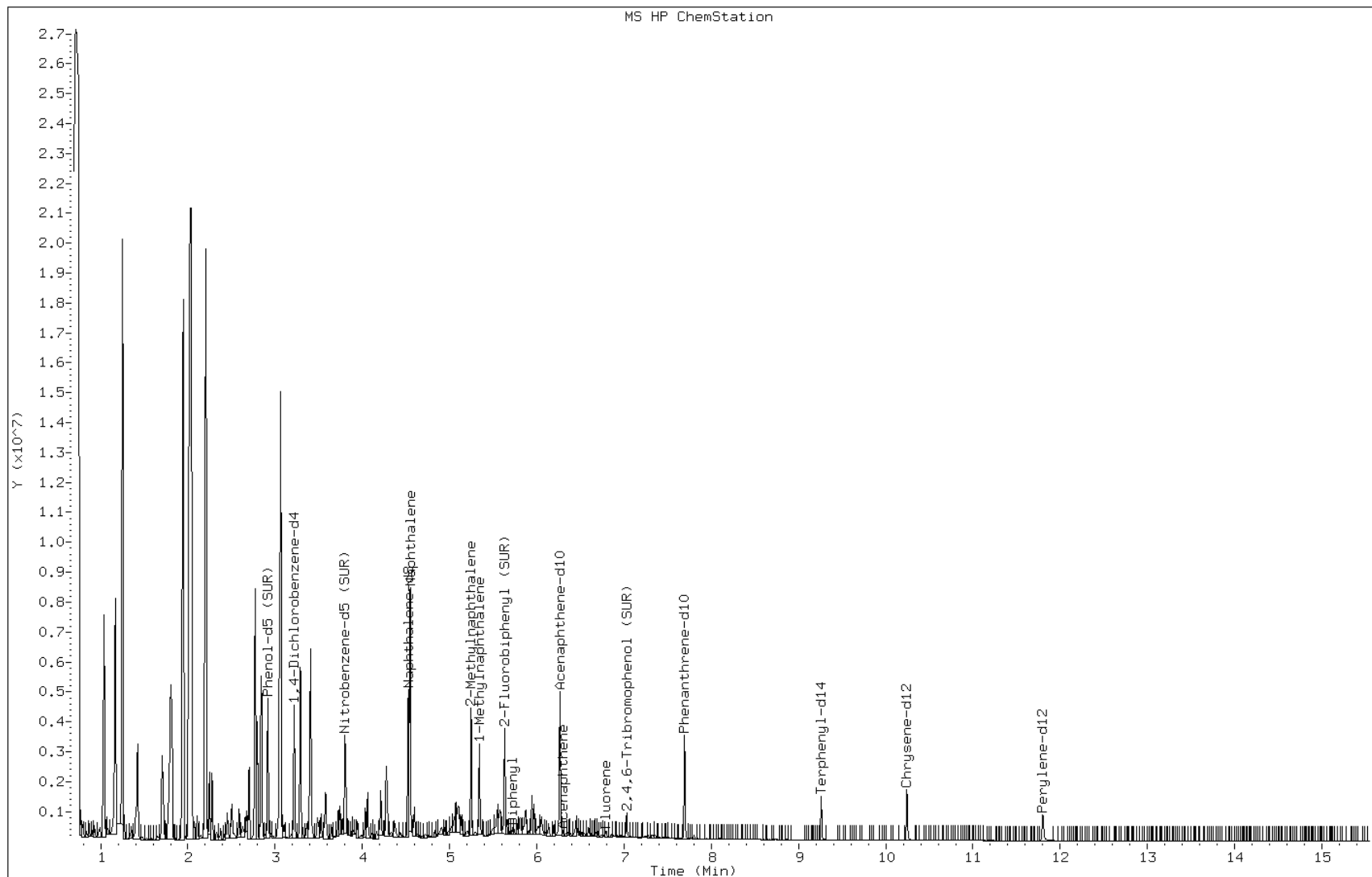
Date: 06-NOV-2012 02:01

Client ID:

Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4



Data File: x31654.d

Date: 06-NOV-2012 02:01

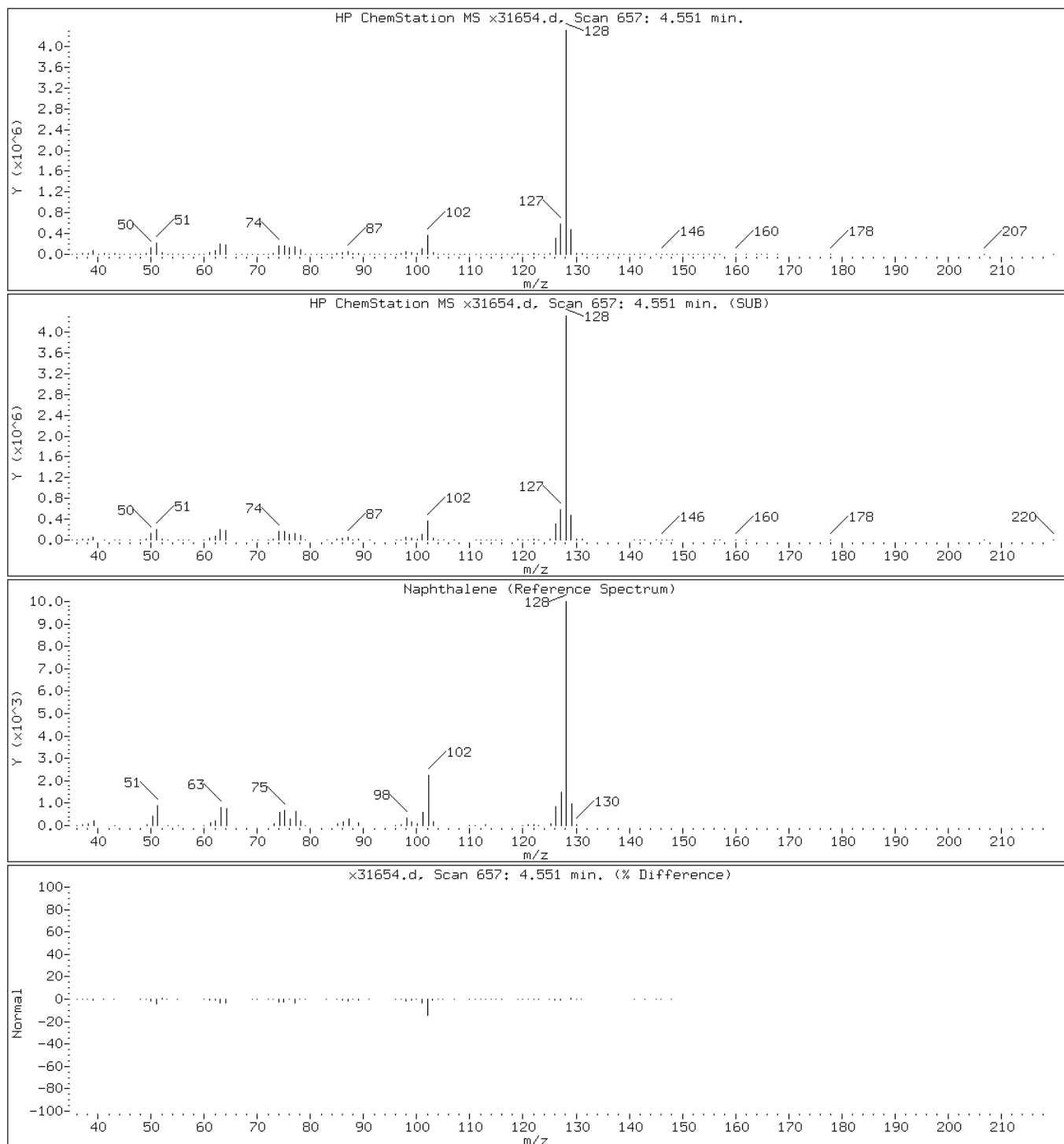
Client ID:

Instrument: BNAMS5.i

Sample Info: 460-46388-F-2-B

Operator: BNAMS 4

31 Naphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Client Sample ID: WG-17338-102312-MW36D-MM- Lab Sample ID: 460-46388-3

Matrix: Water Lab File ID: x31510.d

Analysis Method: 8270C Date Collected: 10/23/2012 13:00

Extract. Method: 3510C Date Extracted: 10/27/2012 19:10

Sample wt/vol: 960 (mL) Date Analyzed: 10/31/2012 23:51

Con. Extract Vol.: 2 (mL) Dilution Factor: 1

Injection Volume: 1 (uL) Level: (low/med) Low

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

Analysis Batch No.: 134248 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2.9	U	10	2.9
108-95-2	Phenol	0.84	U *	10	0.84
88-06-2	2,4,6-Trichlorophenol	2.5	U	10	2.5
111-44-4	Bis(2-chloroethyl) ether	0.29	U	1.0	0.29
120-83-2	2,4-Dichlorophenol	2.7	U	10	2.7
95-57-8	2-Chlorophenol	2.3	U	10	2.3
121-14-2	2,4-Dinitrotoluene	0.49	U	2.1	0.49
108-60-1	2,2'-oxybis[1-chloropropane]	2.1	U	10	2.1
98-86-2	Acetophenone	2.8	U	10	2.8
91-57-6	2-Methylnaphthalene	3.1	U	10	3.1
106-44-5	4-Methylphenol	1.7	U *	10	1.7
95-48-7	2-Methylphenol	1.9	U	10	1.9
88-74-4	2-Nitroaniline	5.1	U	21	5.1
67-72-1	Hexachloroethane	0.26	U	1.0	0.26
98-95-3	Nitrobenzene	0.31	U	1.0	0.31
59-50-7	4-Chloro-3-methylphenol	2.6	U	10	2.6
78-59-1	Isophorone	2.8	U	10	2.8
88-75-5	2-Nitrophenol	2.5	U	10	2.5
7005-72-3	4-Chlorophenyl phenyl ether	2.6	U	10	2.6
105-67-9	2,4-Dimethylphenol	3.5	U	10	3.5
100-01-6	4-Nitroaniline	6.0	U	21	6.0
100-02-7	4-Nitrophenol	7.0	U *	31	7.0
111-91-1	Bis(2-chloroethoxy)methane	2.7	U	10	2.7
1912-24-9	Atrazine	3.1	U	10	3.1
91-20-3	Naphthalene	17		10	2.8
100-52-7	Benzaldehyde	2.1	U	10	2.1
106-47-8	4-Chloroaniline	2.1	U	10	2.1
87-68-3	Hexachlorobutadiene	0.59	U	2.1	0.59
207-08-9	Benzo[k]fluoranthene	0.27	U	1.0	0.27
105-60-2	Caprolactam	2.6	U	10	2.6
86-74-8	Carbazole	3.3	U	10	3.3
77-47-4	Hexachlorocyclopentadiene	1.8	U	10	1.8
53-70-3	Dibenz(a,h)anthracene	0.094	U	1.0	0.094
95-95-4	2,4,5-Trichlorophenol	2.7	U	10	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Client Sample ID: WG-17338-102312-MW36D-MM- Lab Sample ID: 460-46388-3
 Matrix: Water Lab File ID: x31510.d
 Analysis Method: 8270C Date Collected: 10/23/2012 13:00
 Extract. Method: 3510C Date Extracted: 10/27/2012 19:10
 Sample wt/vol: 960 (mL) Date Analyzed: 10/31/2012 23:51
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 134248 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
131-11-3	Dimethyl phthalate	2.9	U	10	2.9
91-58-7	2-Chloronaphthalene	2.8	U	10	2.8
206-44-0	Fluoranthene	3.3	U	10	3.3
86-73-7	Fluorene	2.9	U	10	2.9
606-20-2	2,6-Dinitrotoluene	0.64	U	2.1	0.64
208-96-8	Acenaphthylene	2.8	U	10	2.8
99-09-2	3-Nitroaniline	5.2	U	21	5.2
621-64-7	N-Nitrosodi-n-propylamine	0.26	U	1.0	0.26
83-32-9	Acenaphthene	2.8	U	10	2.8
51-28-5	2,4-Dinitrophenol	5.6	U	31	5.6
132-64-9	Dibenzofuran	2.9	U	10	2.9
84-66-2	Diethyl phthalate	3.0	U	10	3.0
534-52-1	4,6-Dinitro-2-methylphenol	4.9	U	31	4.9
86-30-6	N-Nitrosodiphenylamine	3.0	U	10	3.0
101-55-3	4-Bromophenyl phenyl ether	2.6	U	10	2.6
85-01-8	Phenanthrene	3.2	U	10	3.2
120-12-7	Anthracene	2.9	U	10	2.9
84-74-2	Di-n-butyl phthalate	3.0	U	10	3.0
129-00-0	Pyrene	3.0	U	10	3.0
85-68-7	Butyl benzyl phthalate	2.6	U	10	2.6
91-94-1	3,3'-Dichlorobenzidine	5.1	U	21	5.1
218-01-9	Chrysene	3.2	U	10	3.2
117-81-7	Bis(2-ethylhexyl) phthalate	2.1	U	10	2.1
117-84-0	Di-n-octyl phthalate	1.6	U	10	1.6
193-39-5	Indeno[1,2,3-cd]pyrene	0.16	U	1.0	0.16
191-24-2	Benzo[g,h,i]perylene	2.1	U	10	2.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: WG-17338-102312-MW36D-MM- Lab Sample ID: 460-46388-3
Matrix: Water Lab File ID: x31510.d
Analysis Method: 8270C Date Collected: 10/23/2012 13:00
Extract. Method: 3510C Date Extracted: 10/27/2012 19:10
Sample wt/vol: 960 (mL) Date Analyzed: 10/31/2012 23:51
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 134248 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	91		46-122
321-60-8	2-Fluorobiphenyl	94		53-108
367-12-4	2-Fluorophenol (Surr)	64		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	96		56-112
4165-62-2	Phenol-d5 (Surr)	40		10-48
1718-51-0	Terphenyl-d14 (Surr)	101		50-122

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

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-46388-1</u>
SDG No.: _____	
Client Sample ID: <u>WG-17338-102312-MW36D-MM-</u>	Lab Sample ID: <u>460-46388-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>x31510.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>10/23/2012 13:00</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>10/27/2012 19:10</u>
Sample wt/vol: <u>960 (mL)</u>	Date Analyzed: <u>10/31/2012 23:51</u>
Con. Extract Vol.: <u>2 (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>134248</u>	Units: <u>ug/L</u>
Number TICs Found: <u>21</u>	TIC Result Total: <u>1245</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	1.10	250	J
	Unknown-2	1.24	190	J
108-88-3	Toluene	1.32	14	J N
1462-03-9	Cyclopentanol, 1-methyl-	1.50	170	J N
	Unknown-3	1.79	70	J
	Unknown-4	1.89	190	J
	Unknown-5	2.02	25	J
	Xylene isomer	2.28	57	J
590-67-0	1-Methylcyclohexanol	2.33	49	J N
	Unknown-6	2.36	24	J
	Ethylmethylbenzene isomer	2.54	19	J
	Unknown-7	2.59	22	J
	Unknown-8	2.68	16	J
	Unknown-9	2.72	13	J
	Unknown-10	2.76	13	J
103-65-1	Benzene, propyl-	2.79	12	J N
	Ethylmethylbenzene isomer	3.01	49	J
	Trimethylbenzene isomer-1	3.15	15	J
	Trimethylbenzene isomer-2	3.38	18	J
	Unknown-11	3.67	14	J
	C10H12 Aromatic	4.37	15	J

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31510.d
 Report Date: 02-Nov-2012 11:40

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31510.d
 Lab Smp Id: 460-46388-G-3-B
 Inj Date : 31-OCT-2012 23:51
 Operator : BNAMS 4
 Smp Info : 460-46388-G-3-B
 Misc Info : 460-46388-G-3-B
 Comment :
 Method : /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/8270Cdel_08.m
 Meth Date : 31-Oct-2012 14:29 croccom Quant Type: ISTD
 Cal Date : 31-OCT-2012 14:53 Cal File: x31502.d
 Als bottle: 10
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1
 Inst ID: BNAMS5.i
 Compound Sublist: allh20.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	960.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ug/ml)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====	
\$ 16 2-Fluorophenol (SUR)	112	2.128	2.122	(0.642)	627908	31.7813	66	
\$ 17 Phenol-d5 (SUR)	99	2.999	3.010	(0.904)	422247	19.8366	41	
* 79 1,4-Dichlorobenzene-d4	152	3.316	3.322	(1.000)	709870	40.0000		
\$ 76 Nitrobenzene-d5 (SUR)	82	3.898	3.904	(0.845)	1048319	48.1523	100	
* 80 Naphthalene-d8	136	4.616	4.622	(1.000)	2430392	40.0000		
31 Naphthalene	128	4.634	4.640	(1.004)	487454	7.93741	16	
34 2-Methylnaphthalene	142	5.340	5.340	(1.157)	26648	0.74789	1.6(a)	
120 1-Methylnaphthalene	142	5.434	5.434	(1.177)	30232	0.83629	1.7(a)	
\$ 77 2-Fluorobiphenyl (SUR)	172	5.722	5.722	(0.900)	1671940	46.8124	98	
* 82 Acenaphthene-d10	164	6.357	6.357	(1.000)	957107	40.0000		
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.122	7.128	(1.120)	115872	45.3609	94	
* 83 Phenanthrene-d10	188	7.786	7.792	(1.000)	1005498	40.0000		
\$ 78 Terphenyl-d14	244	9.357	9.357	(0.904)	655030	50.3931	100	
* 81 Chrysene-d12	240	10.345	10.351	(1.000)	498222	40.0000		
* 84 Perylene-d12	264	11.939	11.939	(1.000)	443619	40.0000		

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31510.d
Report Date: 02-Nov-2012 11:40

QC Flag Legend

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

Data File: x31510.d

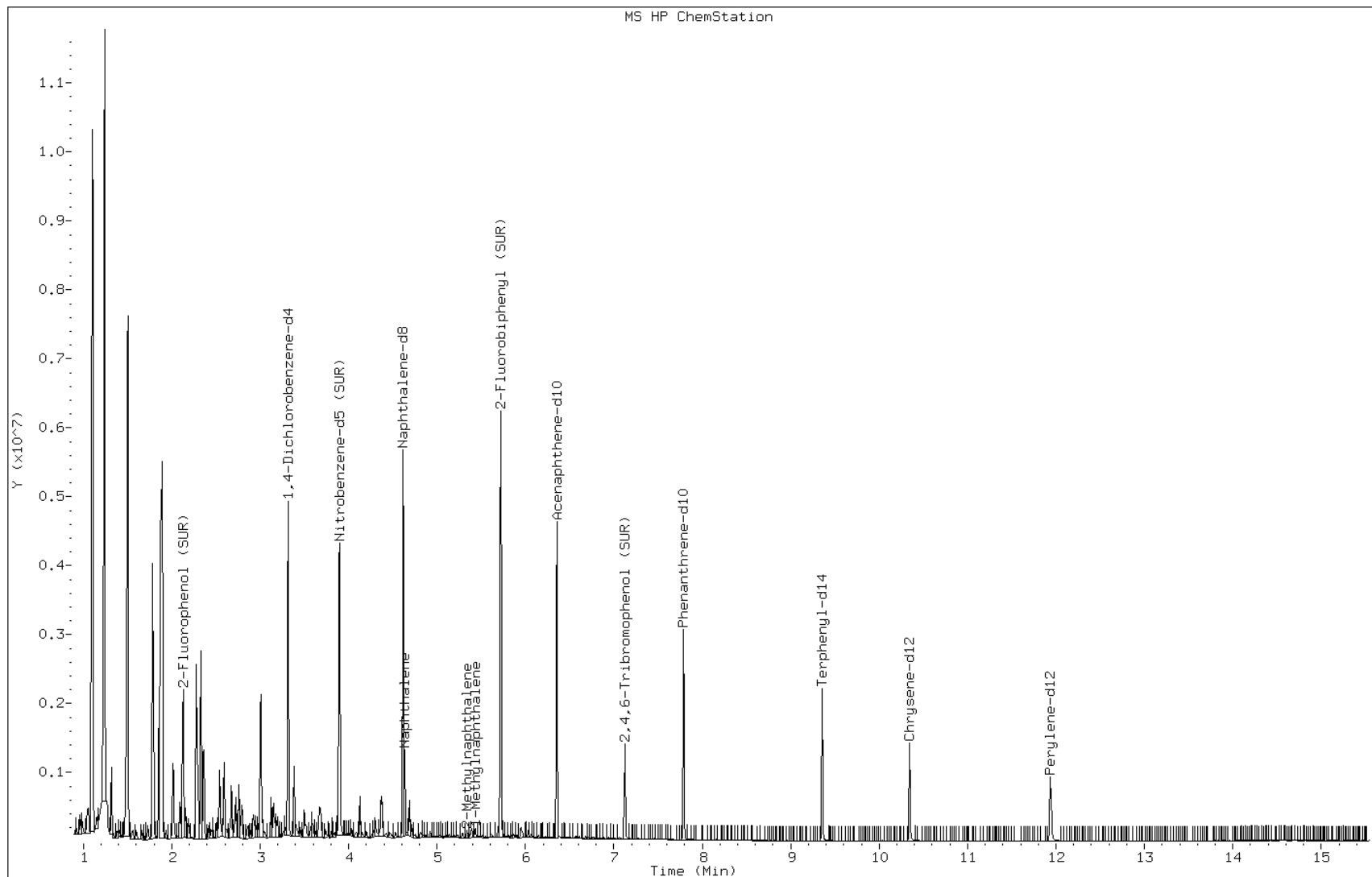
Date: 31-OCT-2012 23:51

Client ID:

Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4



Data File: x31510.d

Date: 31-OCT-2012 23:51

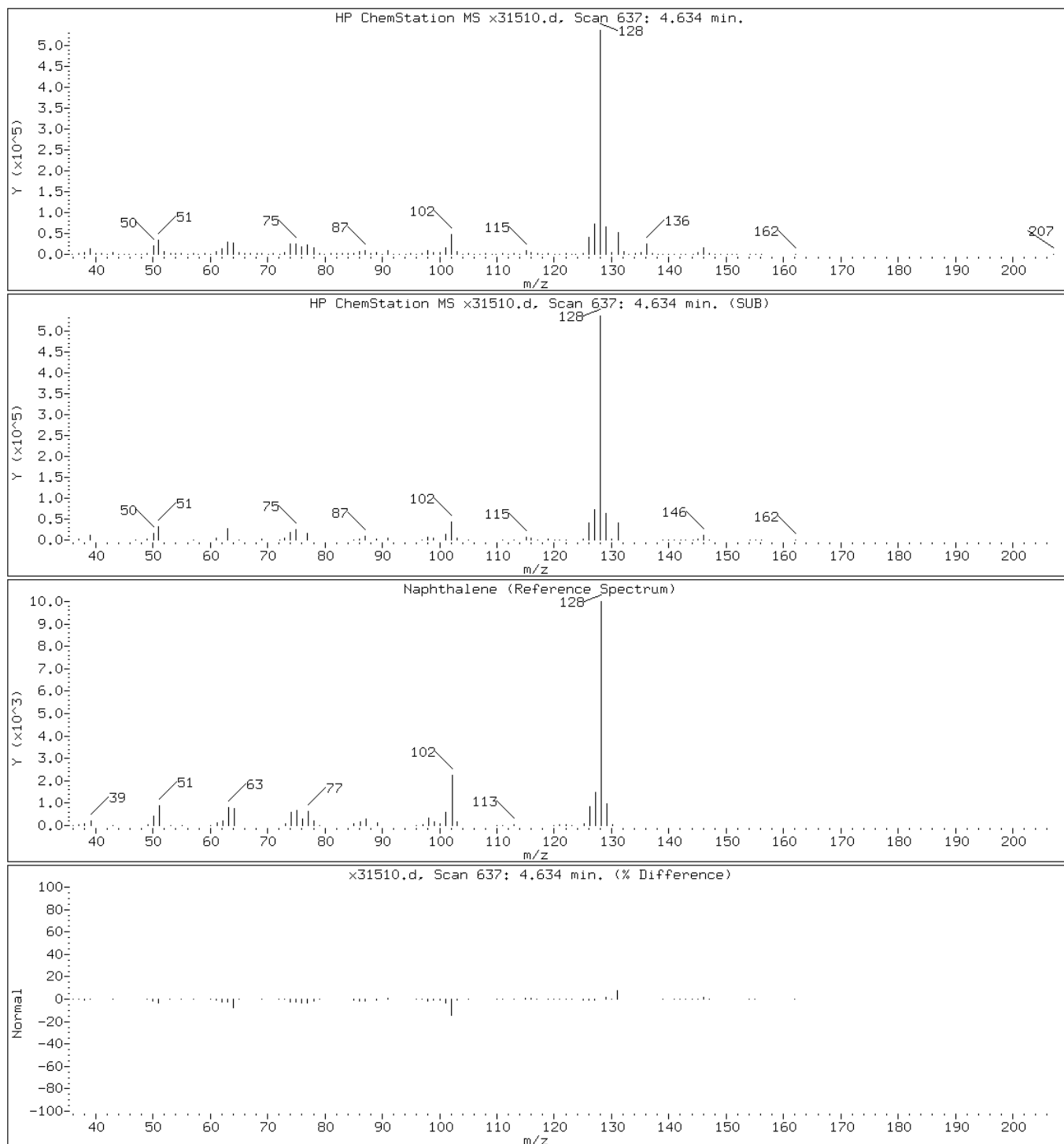
Client ID:

Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

31 Naphthalene



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

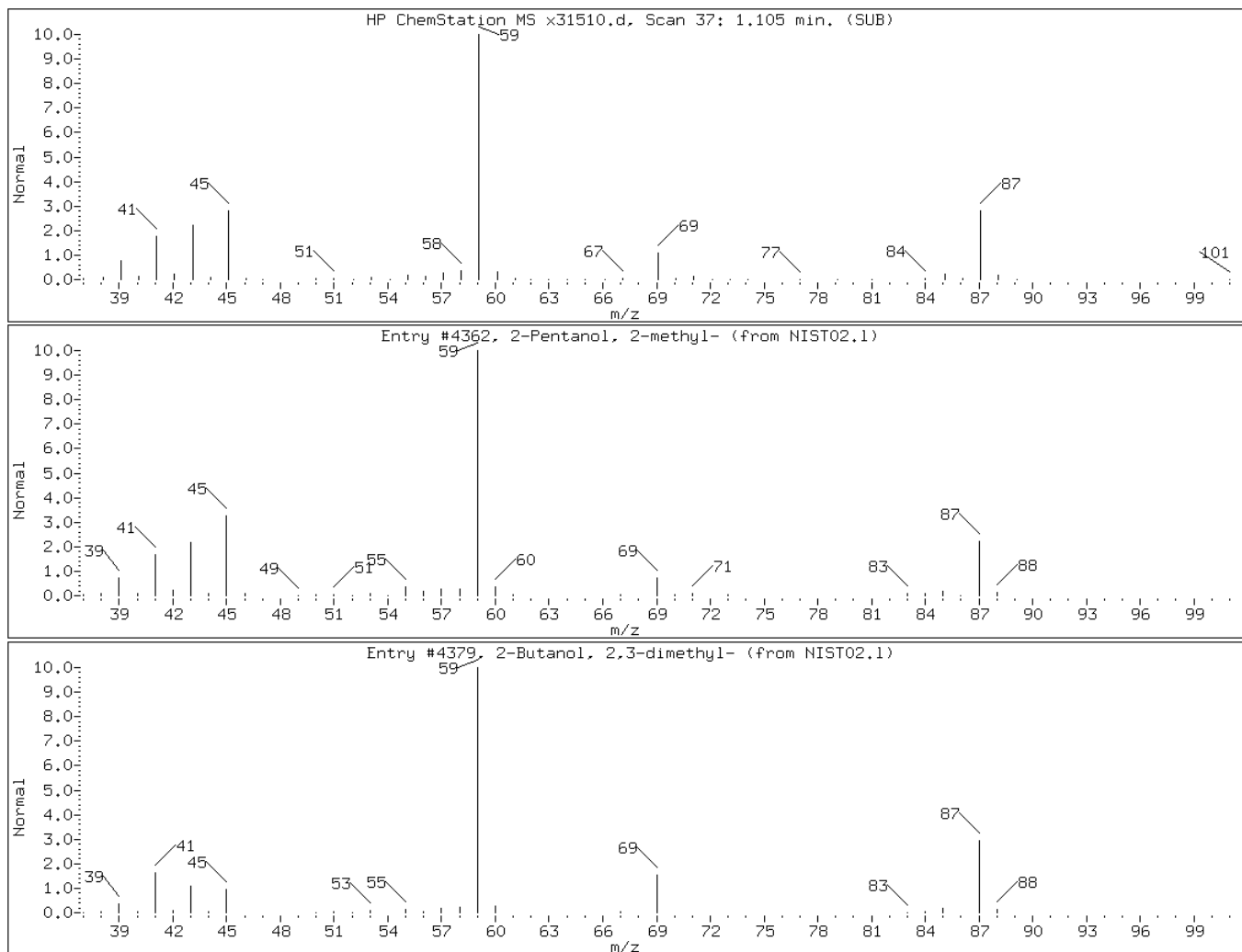
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 1.10

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Pentanol, 2-methyl-	590-36-3	NIST02.1	4362	74	C6H14O	102
2-Butanol, 2,3-dimethyl-	594-60-5	NIST02.1	4379	64	C6H14O	102



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

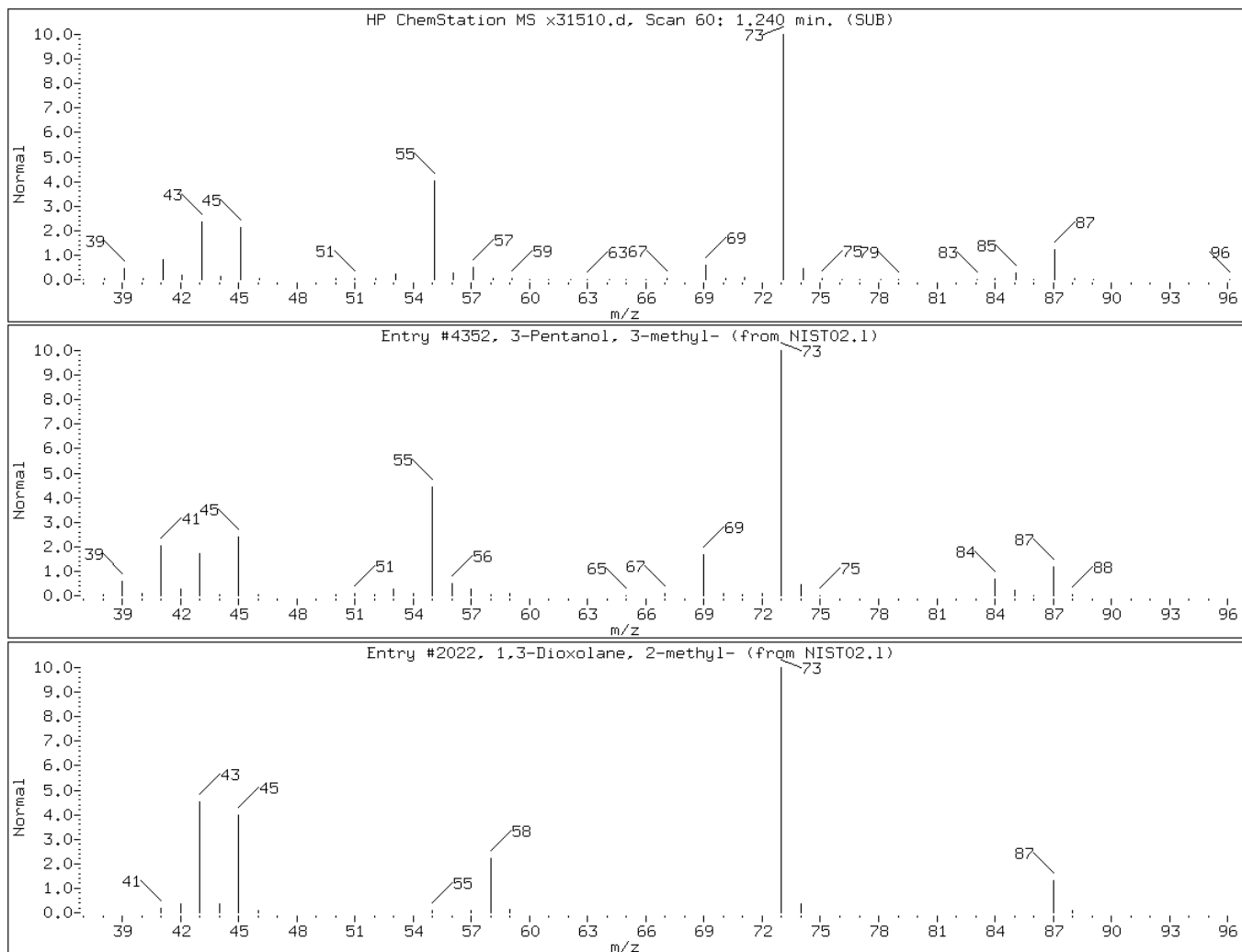
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 1.24

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-2						
3-Pentanol, 3-methyl-	77-74-7	NIST02.1	4352	43	C6H14O	102
1,3-Dioxolane, 2-methyl-	497-26-7	NIST02.1	2022	38	C4H8O2	88



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

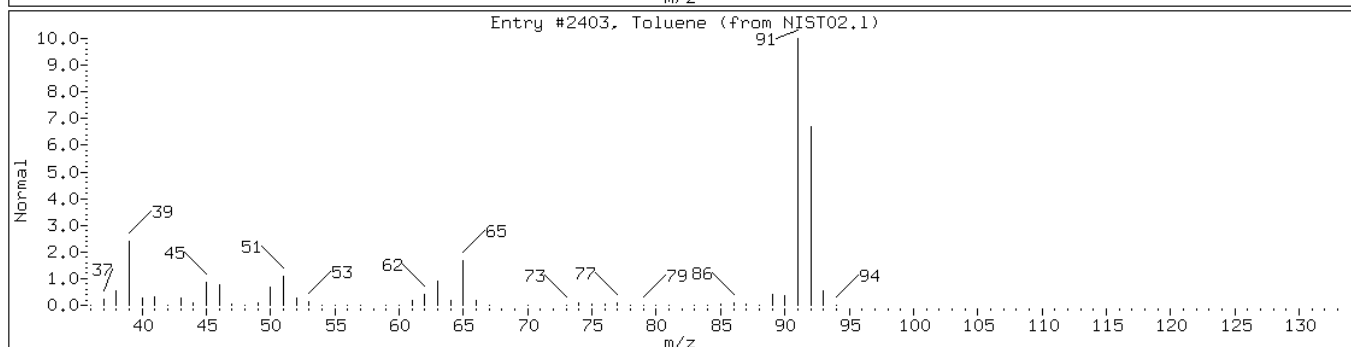
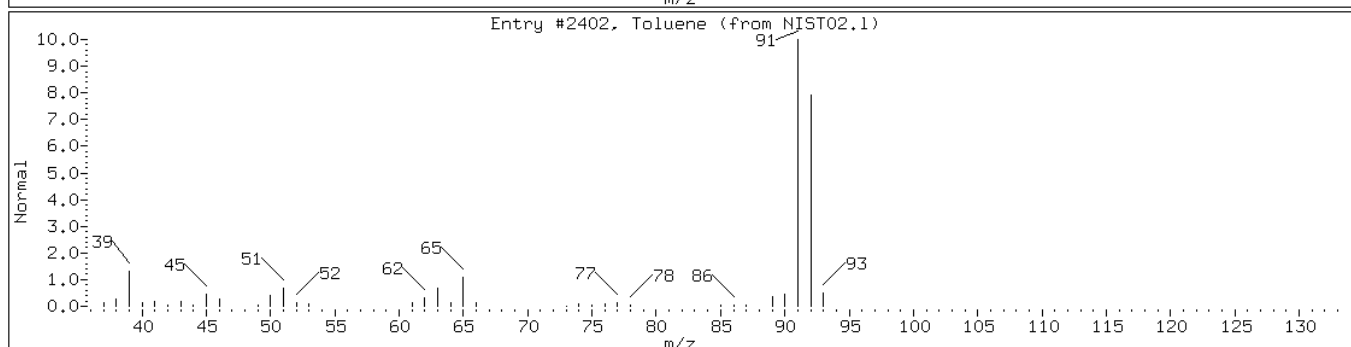
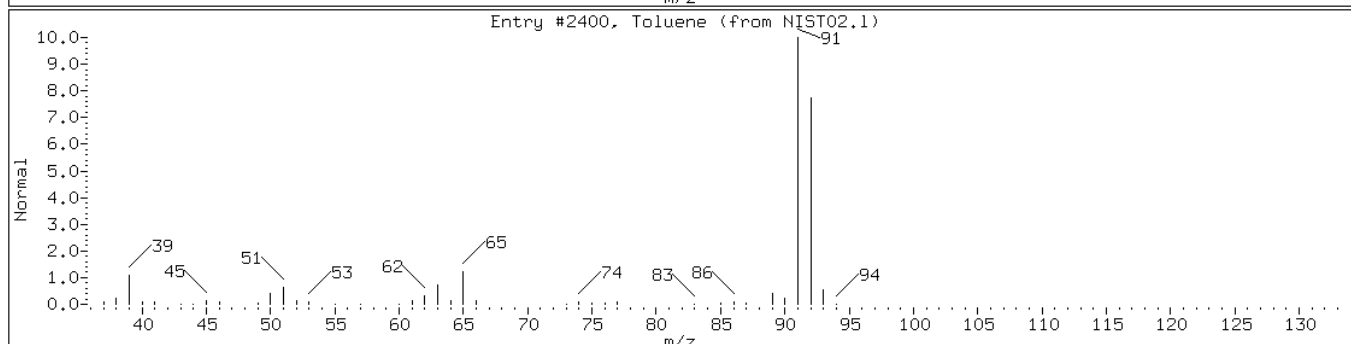
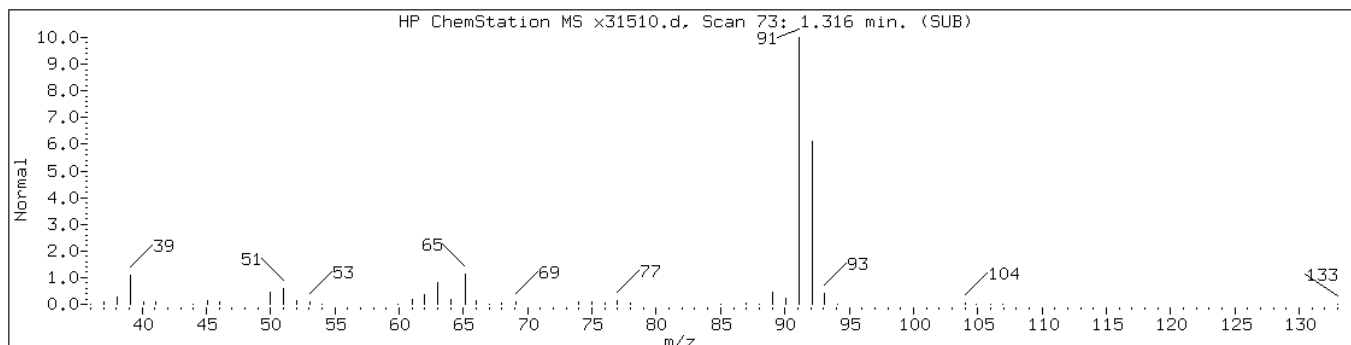
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 1.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Toluene	108-88-3	NIST02.1	2400	94	C7H8	92
Toluene	108-88-3	NIST02.1	2402	91	C7H8	92
Toluene	108-88-3	NIST02.1	2403	91	C7H8	92



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

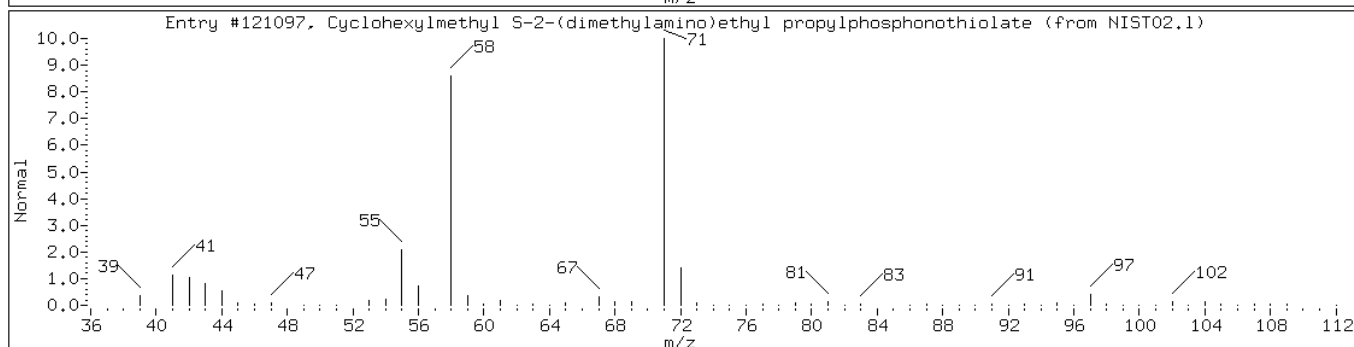
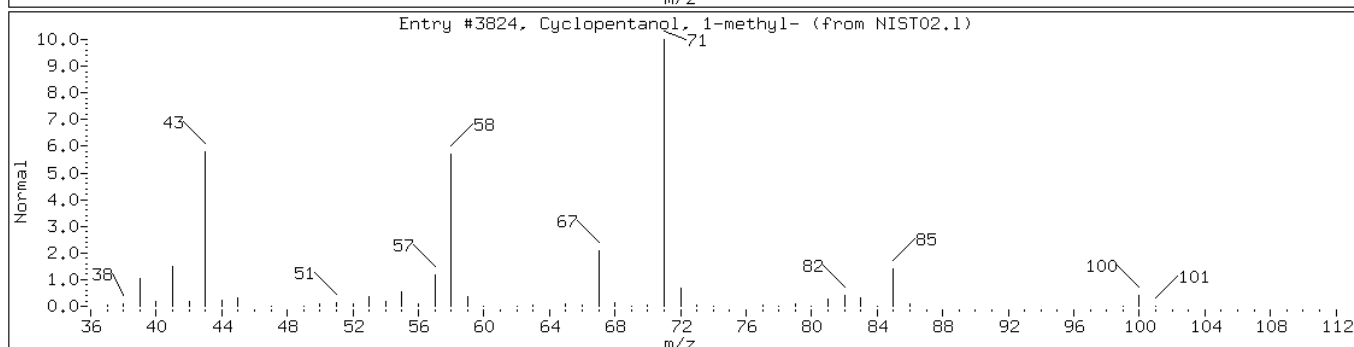
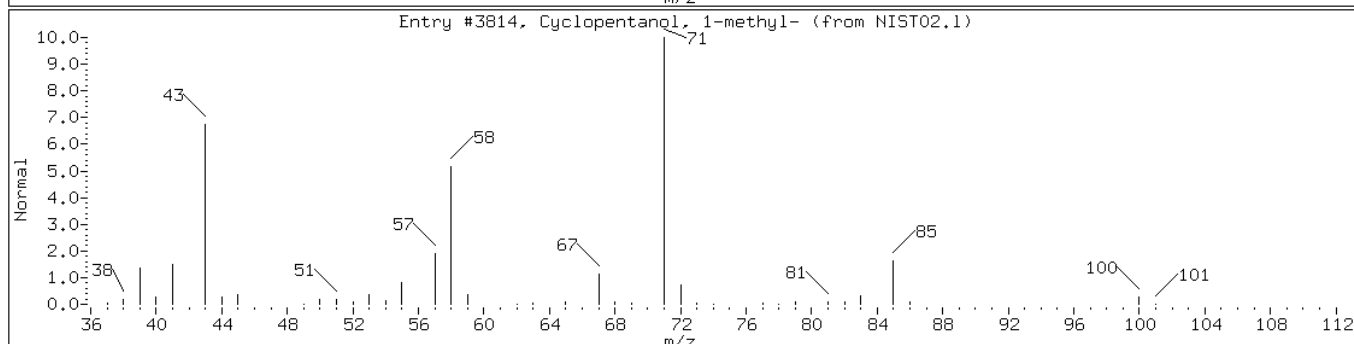
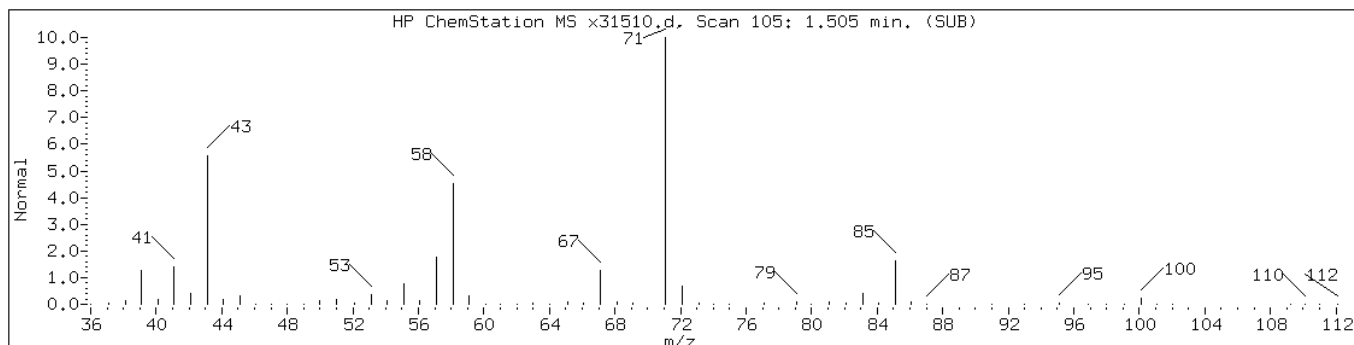
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 1.50

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclopentanol, 1-methyl-	1462-03-9	NIST02.1	3814	91	C6H12O	100
Cyclopentanol, 1-methyl-	1462-03-9	NIST02.1	3824	58	C6H12O	100
Cyclohexylmethyl S-2-(dimethylamino)	1000298-43-5	NIST02.1	121097	45	C14H30N2PS	307



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

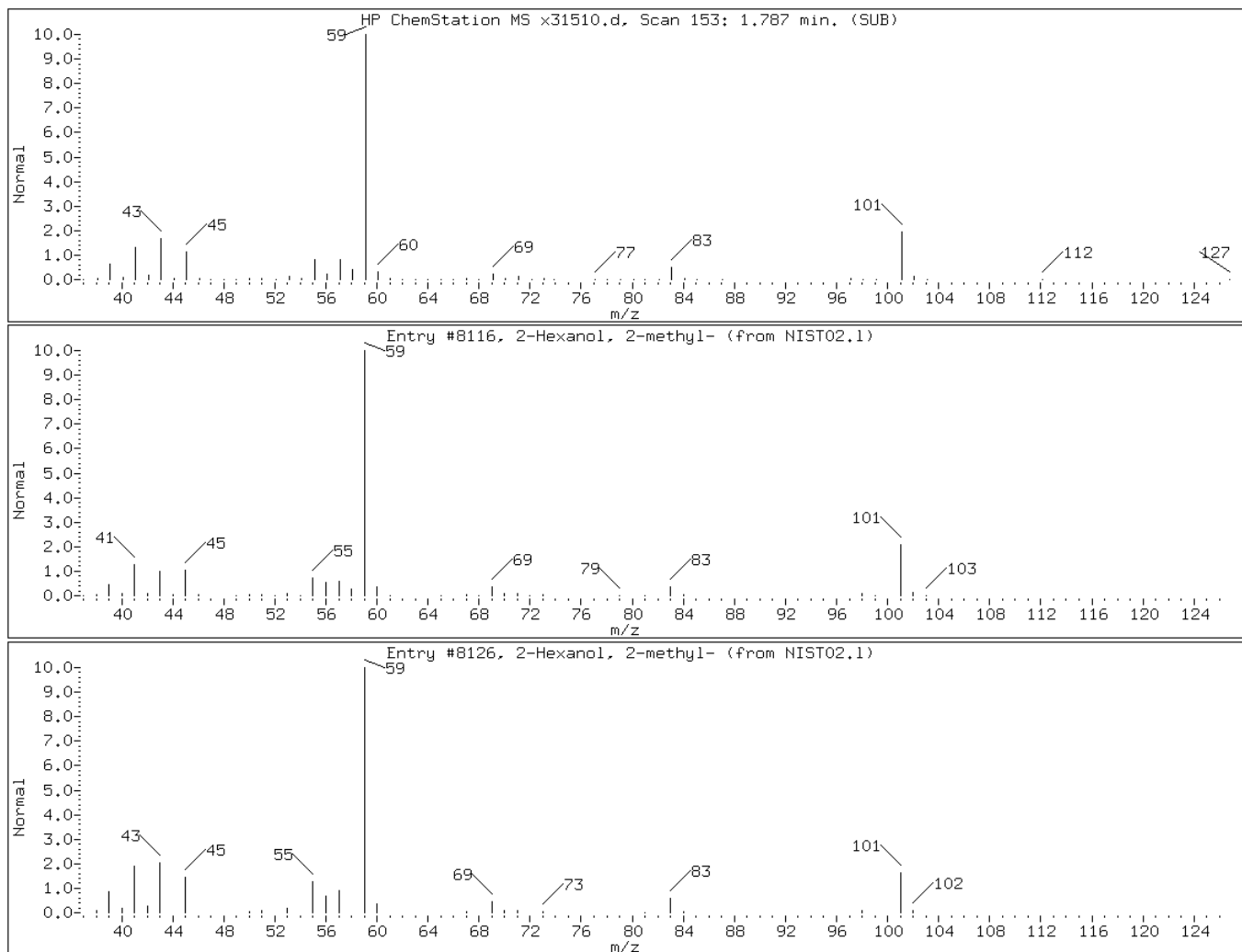
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 1.79

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-3						
2-Hexanol, 2-methyl-	625-23-0	NIST02.1	8116	83	C7H16O	116
2-Hexanol, 2-methyl-	625-23-0	NIST02.1	8126	72	C7H16O	116



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

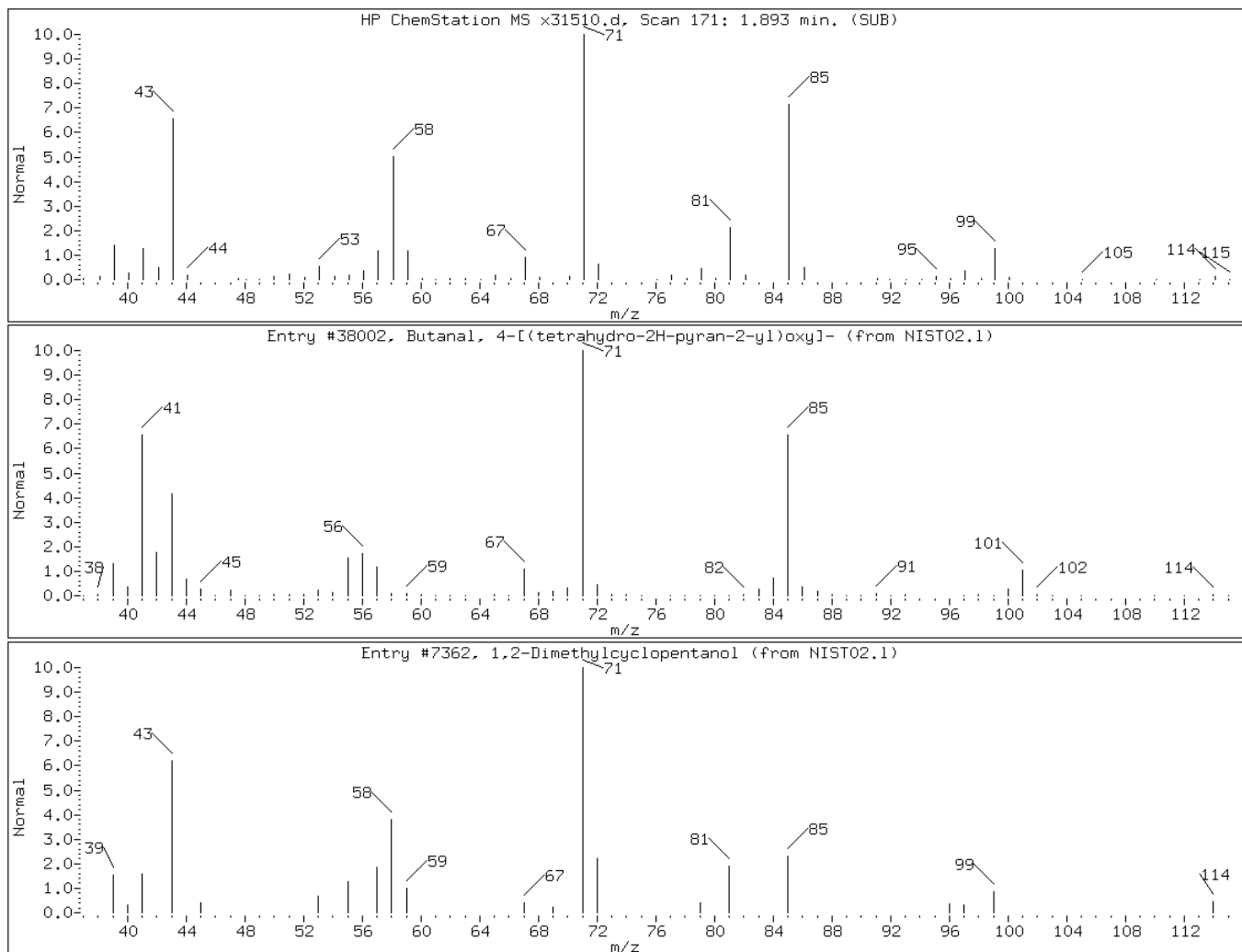
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 1.89

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-4						
Butanal, 4-[(tetrahydro-2H-pyran-2	54911-85-2	NIST02.1	38002	50	C9H16O3	172
1,2-Dimethylcyclopentanol	19550-45-9	NIST02.1	7362	47	C7H14O	114



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

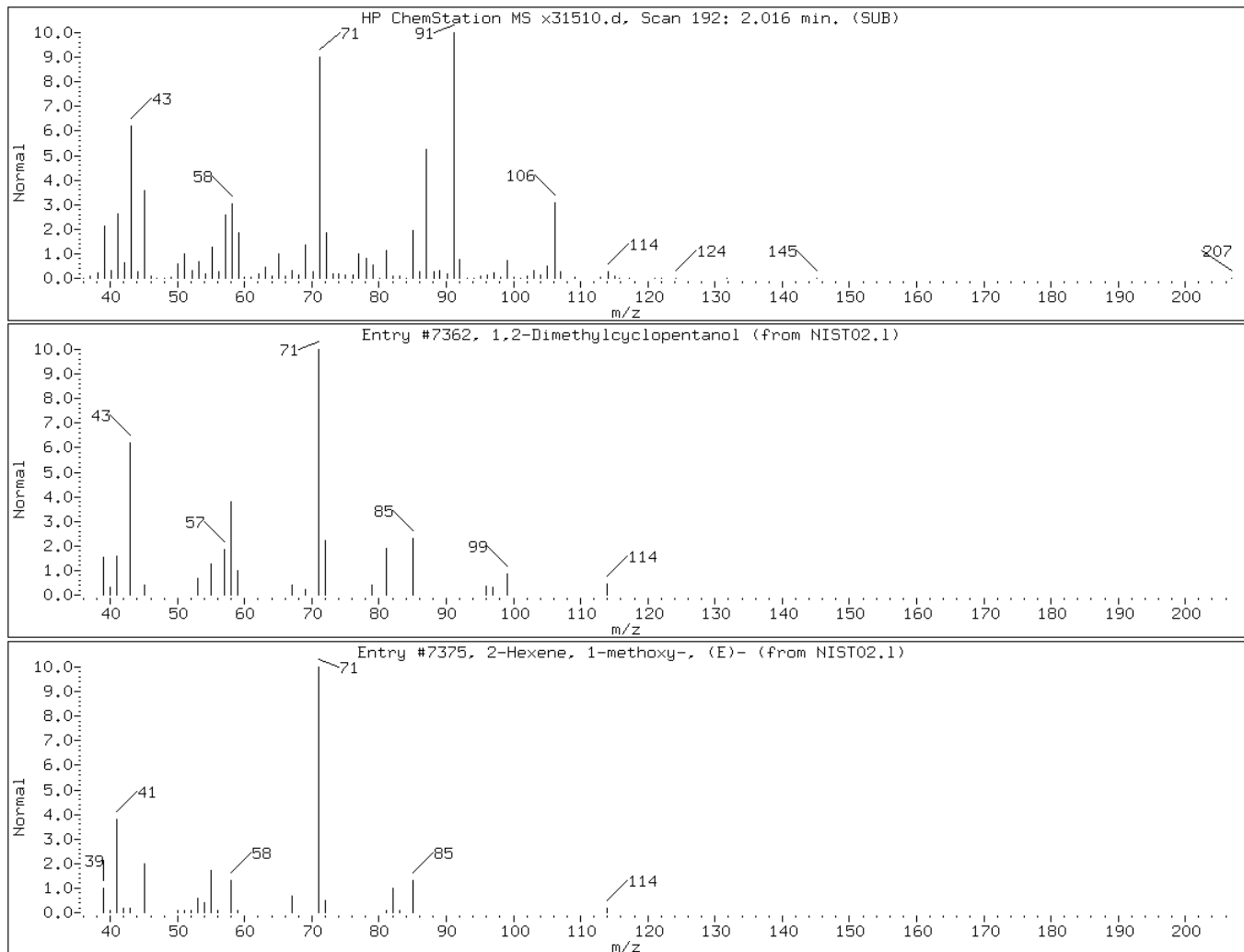
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 2.02

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-5						
1,2-Dimethylcyclopentanol	19550-45-9	NIST02.1	7362	42	C7H14O	114
2-Hexene, 1-methoxy-, (E)-	56052-83-6	NIST02.1	7375	38	C7H14O	114



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

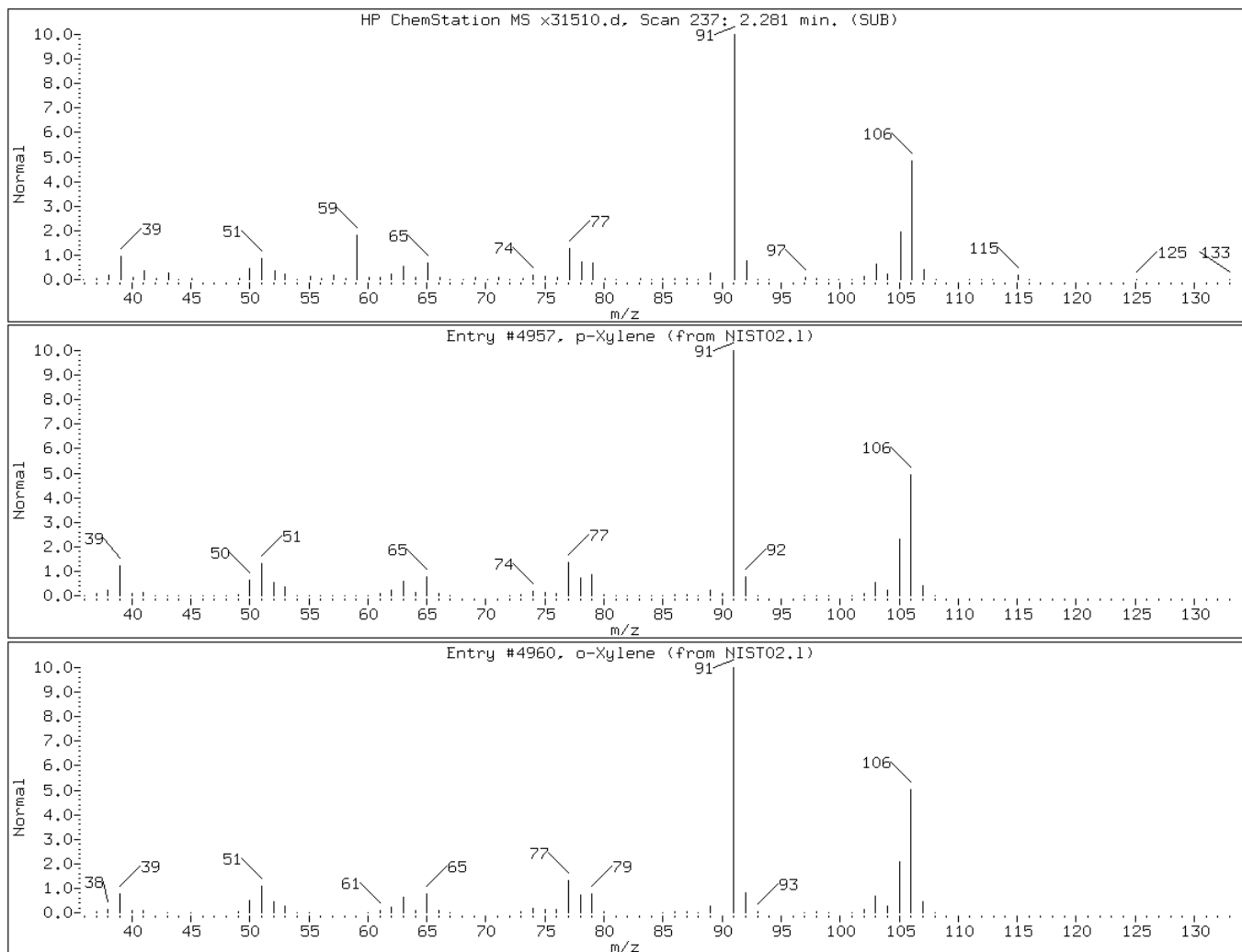
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 2.28

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Xylene isomer						
p-Xylene	106-42-3	NIST02.1	4957	95	C8H10	106
o-Xylene	95-47-6	NIST02.1	4960	95	C8H10	106



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

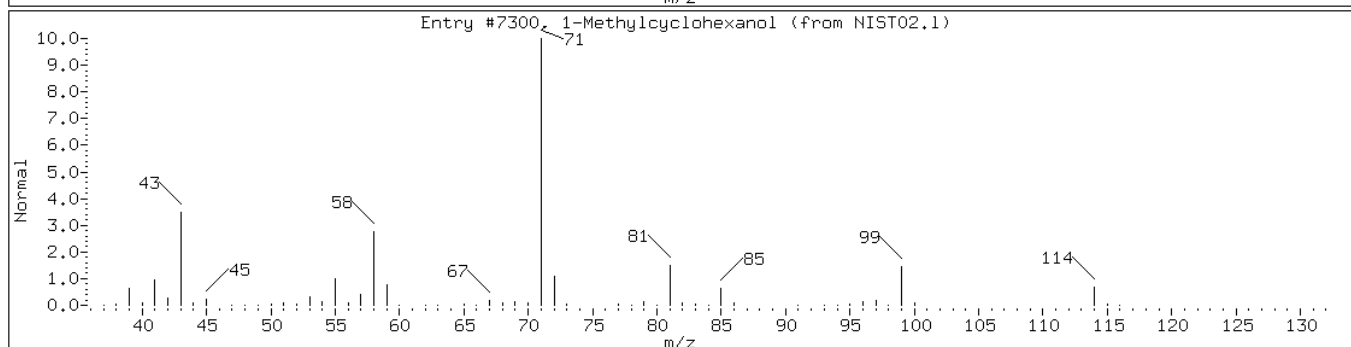
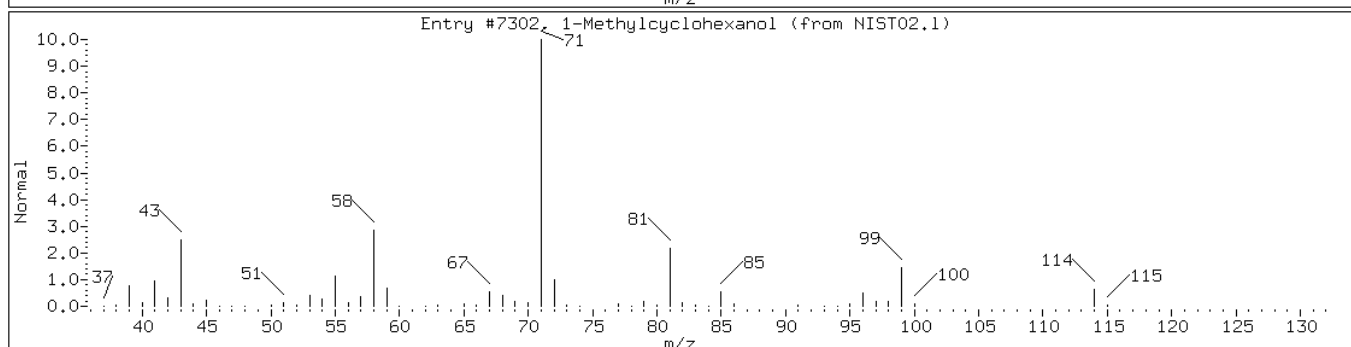
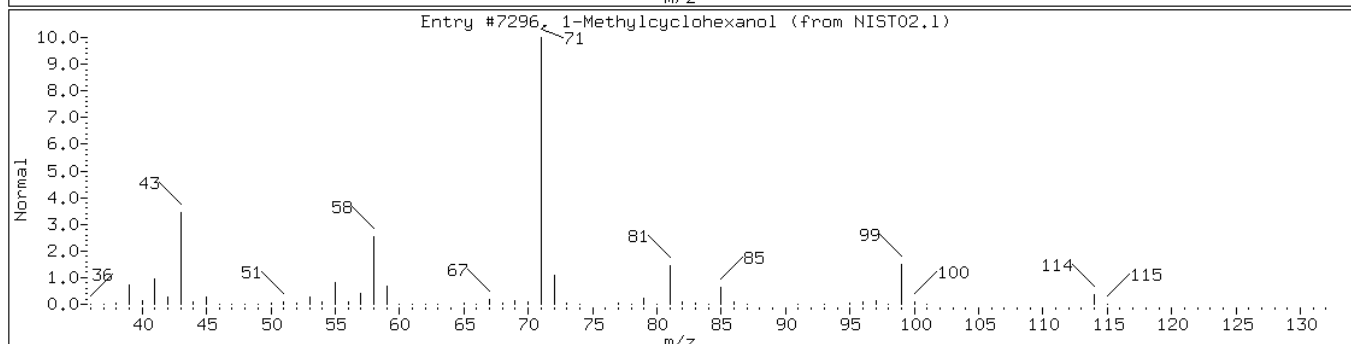
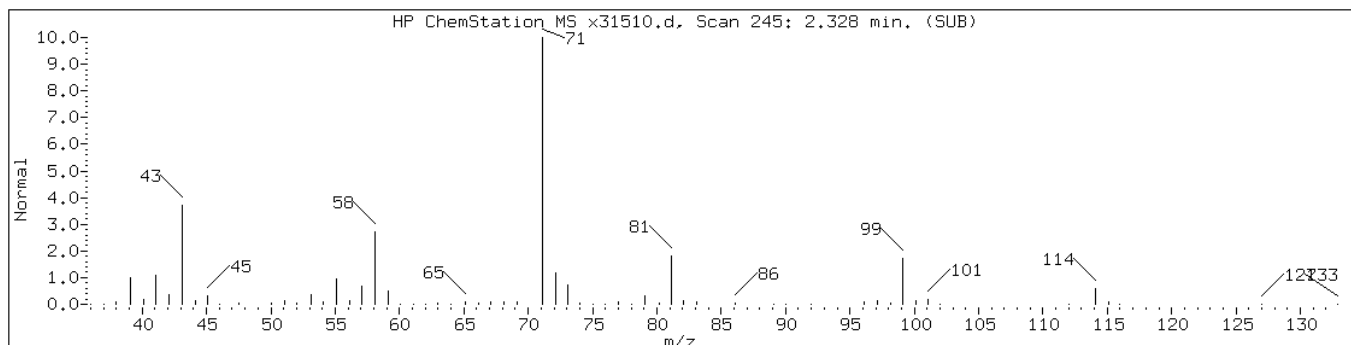
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 2.33

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Methylcyclohexanol	590-67-0	NIST02.1	7296	90	C7H14O	114
1-Methylcyclohexanol	590-67-0	NIST02.1	7302	72	C7H14O	114
1-Methylcyclohexanol	590-67-0	NIST02.1	7300	49	C7H14O	114



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

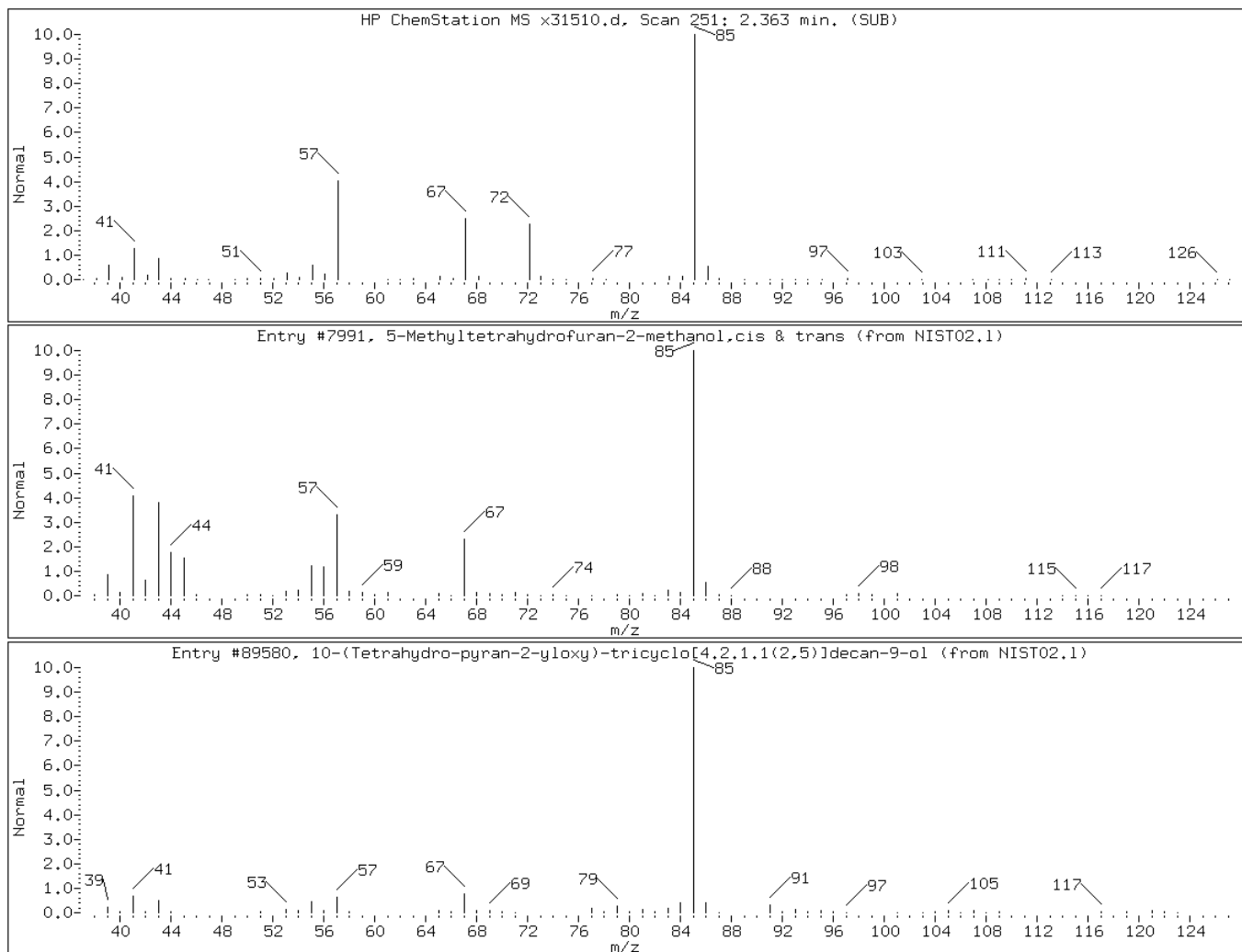
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 2.36

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-6						
5-Methyltetrahydrofuran-2-methanol	6126-49-4	NIST02.1	7991	38	C6H12O2	116
10-(Tetrahydro-pyran-2-yloxy)-tric	1000192-28-8	NIST02.1	89580	33	C15H24O3	252



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

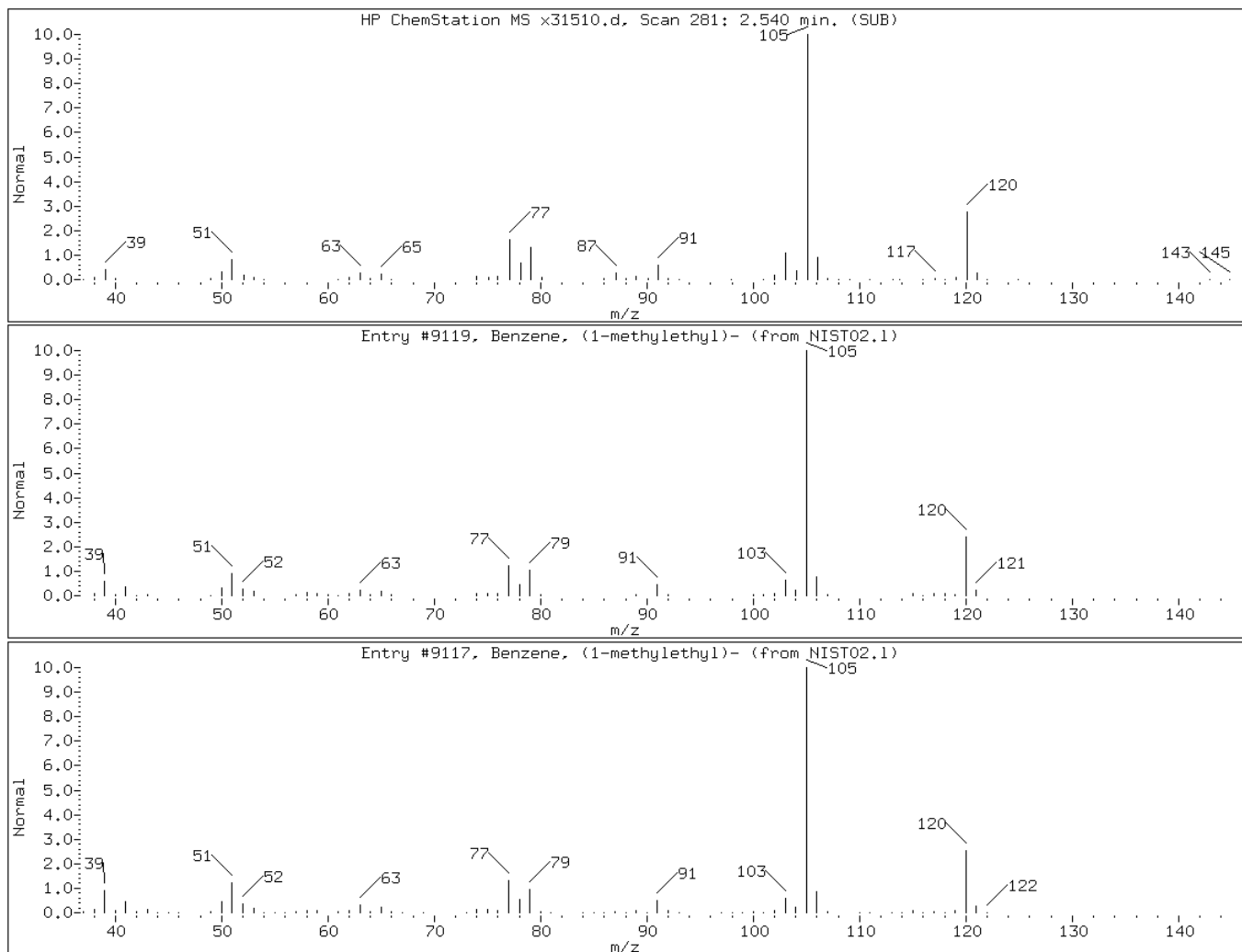
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 2.54

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethylmethylbenzene isomer						
Benzene, (1-methylethyl)-	98-82-8	NIST02.1	9119	94	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	NIST02.1	9117	91	C9H12	120



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

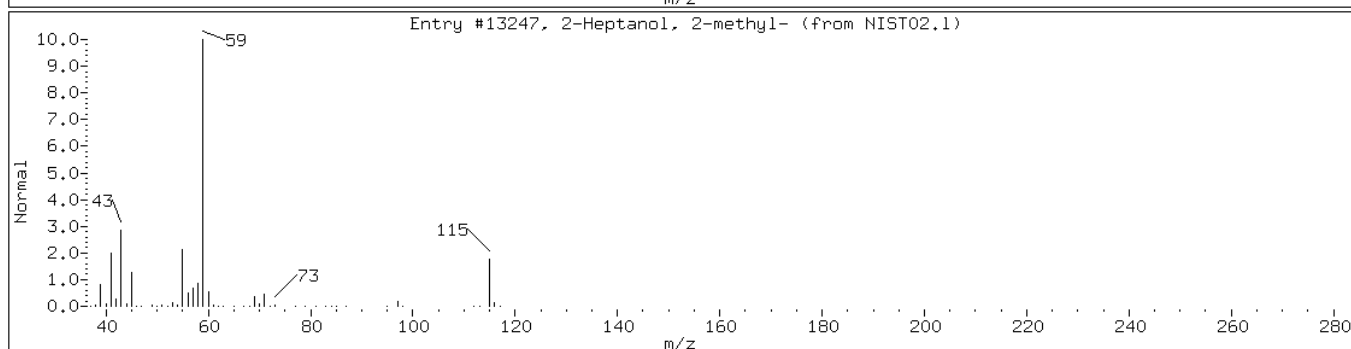
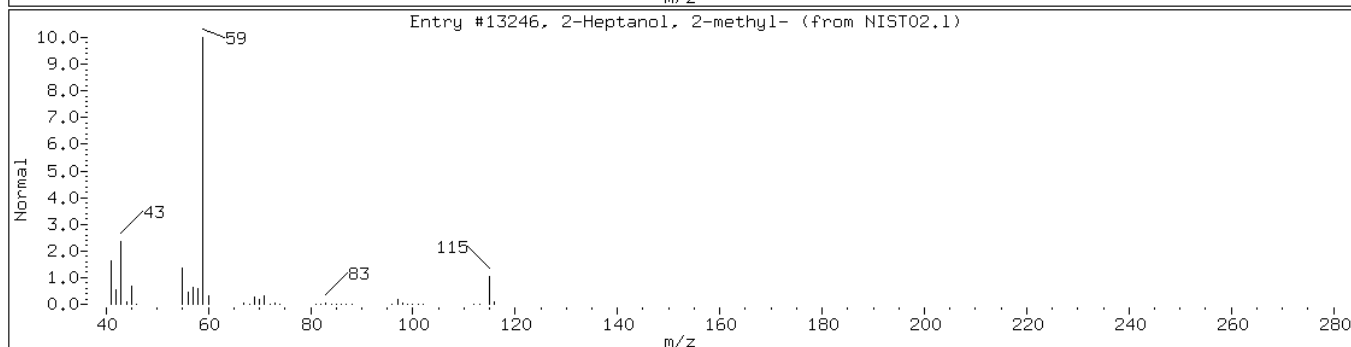
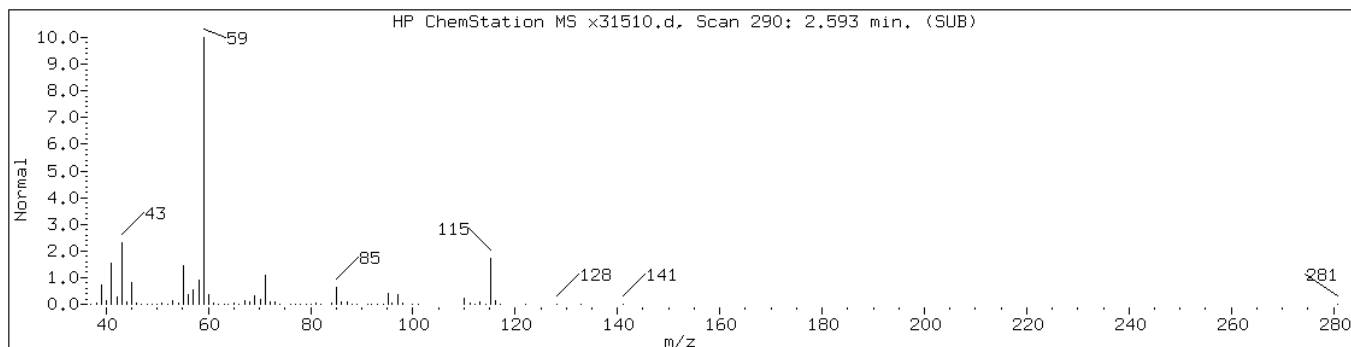
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 2.59

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-7						
2-Heptanol, 2-methyl-	625-25-2	NIST02.1	13246	72	C8H18O	130
2-Heptanol, 2-methyl-	625-25-2	NIST02.1	13247	56	C8H18O	130



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

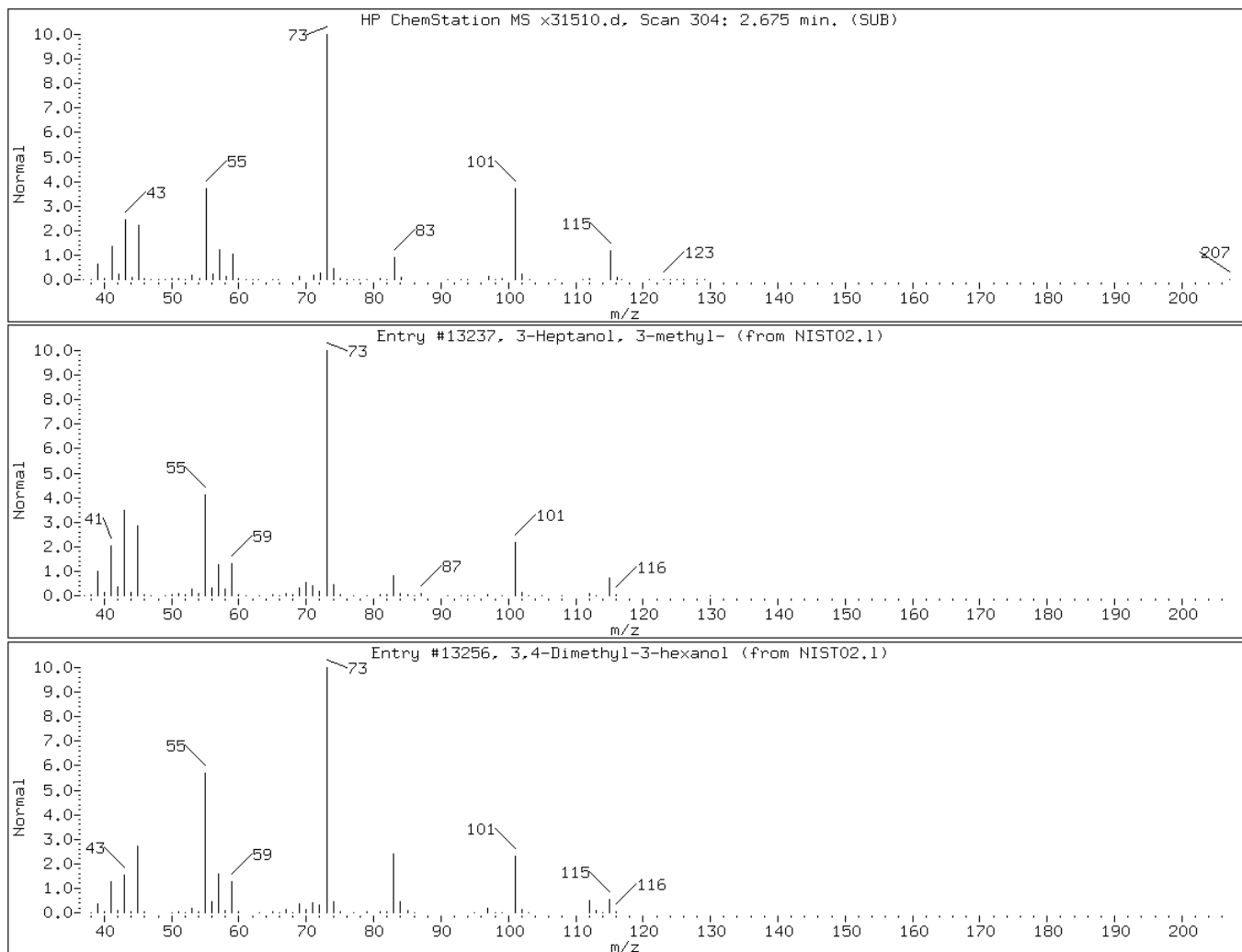
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 2.68

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-8						
3-Heptanol, 3-methyl-	5582-82-1	NIST02.1	13237	83	C8H18O	130
3,4-Dimethyl-3-hexanol	19550-08-4	NIST02.1	13256	72	C8H18O	130



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

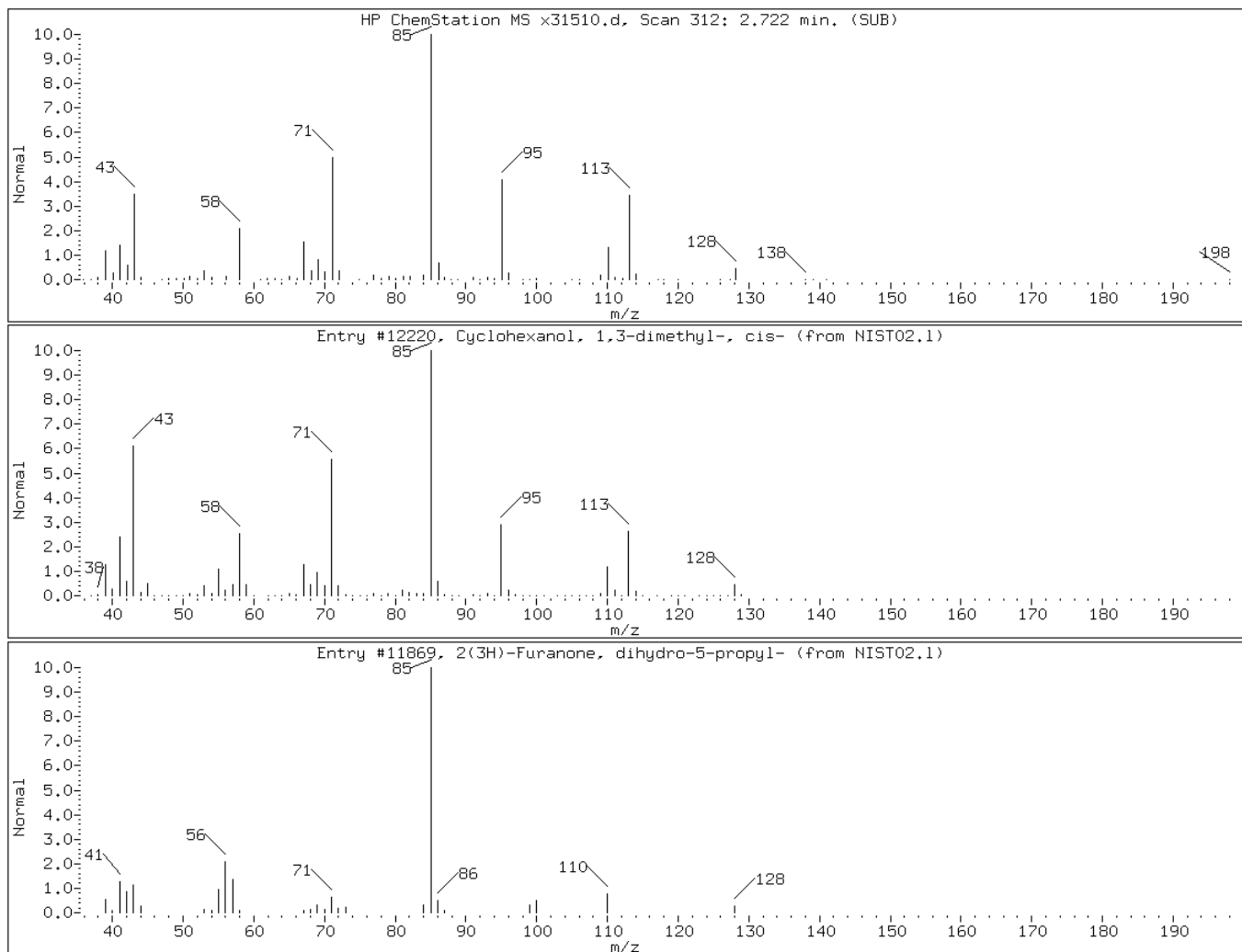
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 2.72

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-9						
Cyclohexanol, 1,3-dimethyl-, cis-	15466-94-1	NIST02.1	12220	90	C8H16O	128
2(3H)-Furanone, dihydro-5-propyl-	105-21-5	NIST02.1	11869	35	C7H12O2	128



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

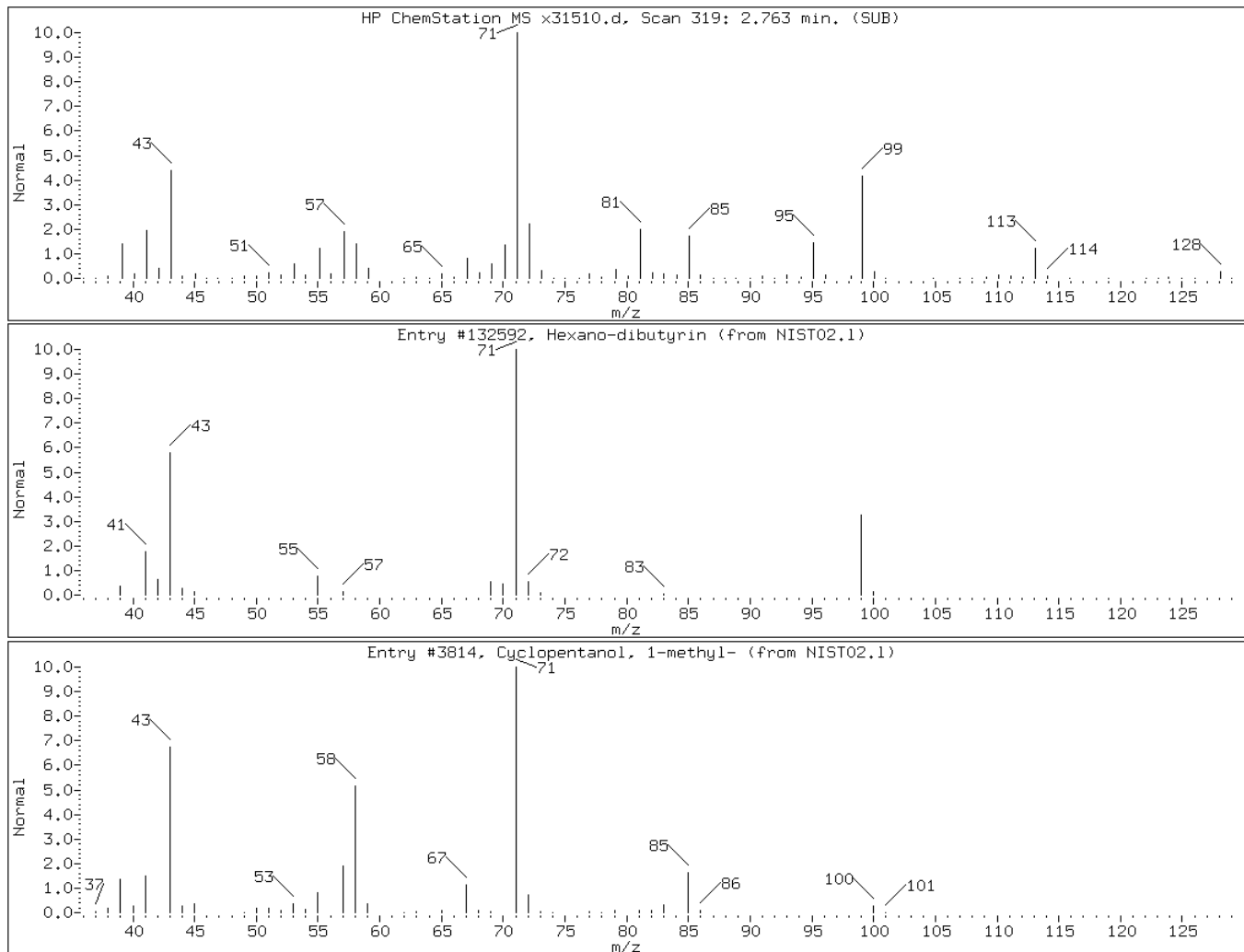
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 2.76

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-10						
Hexano-dibutyryn	65235-12-3	NIST02.1	132592	40	C17H30O6	330
Cyclopentanol, 1-methyl-	1462-03-9	NIST02.1	3814	38	C6H12O	100



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

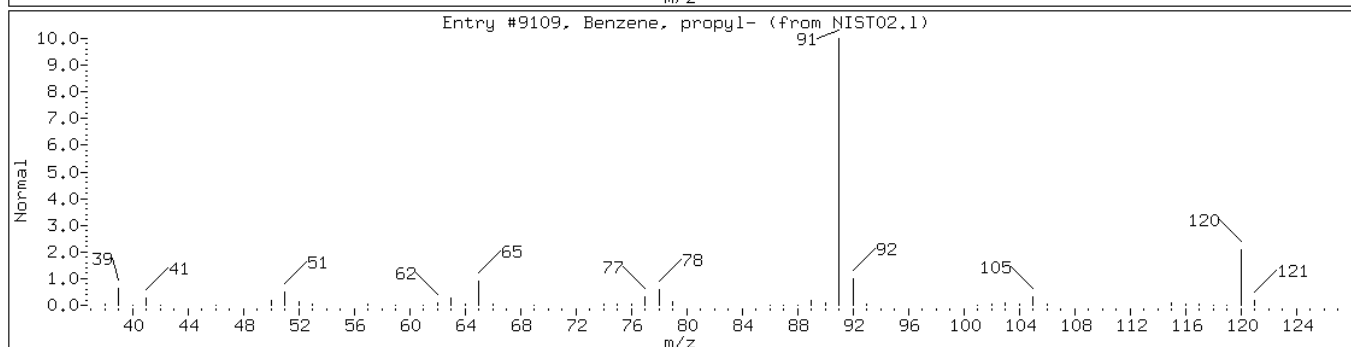
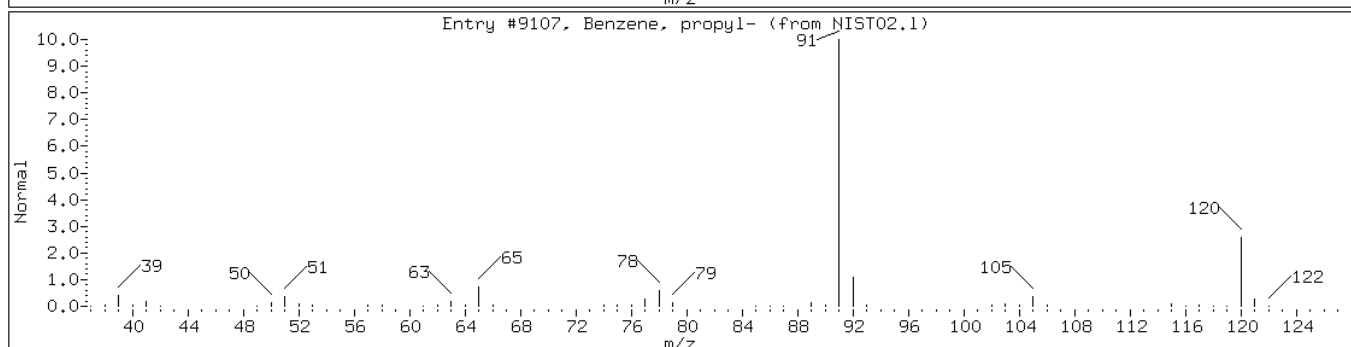
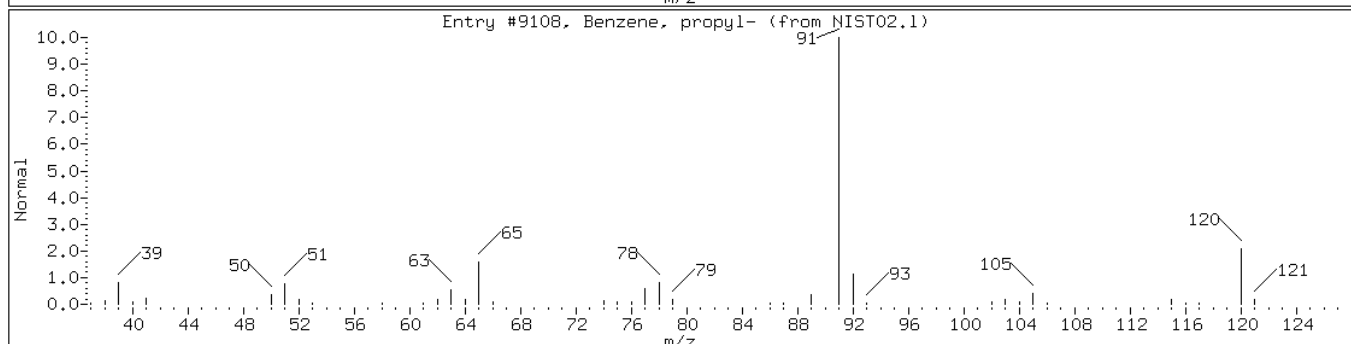
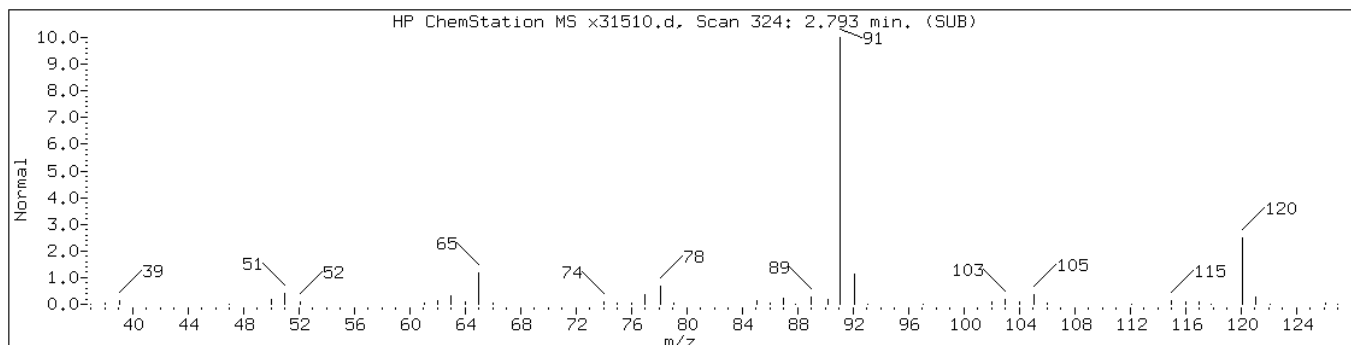
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 2.79

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, propyl-	103-65-1	NIST02.1	9108	93	C9H12	120
Benzene, propyl-	103-65-1	NIST02.1	9107	87	C9H12	120
Benzene, propyl-	103-65-1	NIST02.1	9109	87	C9H12	120



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

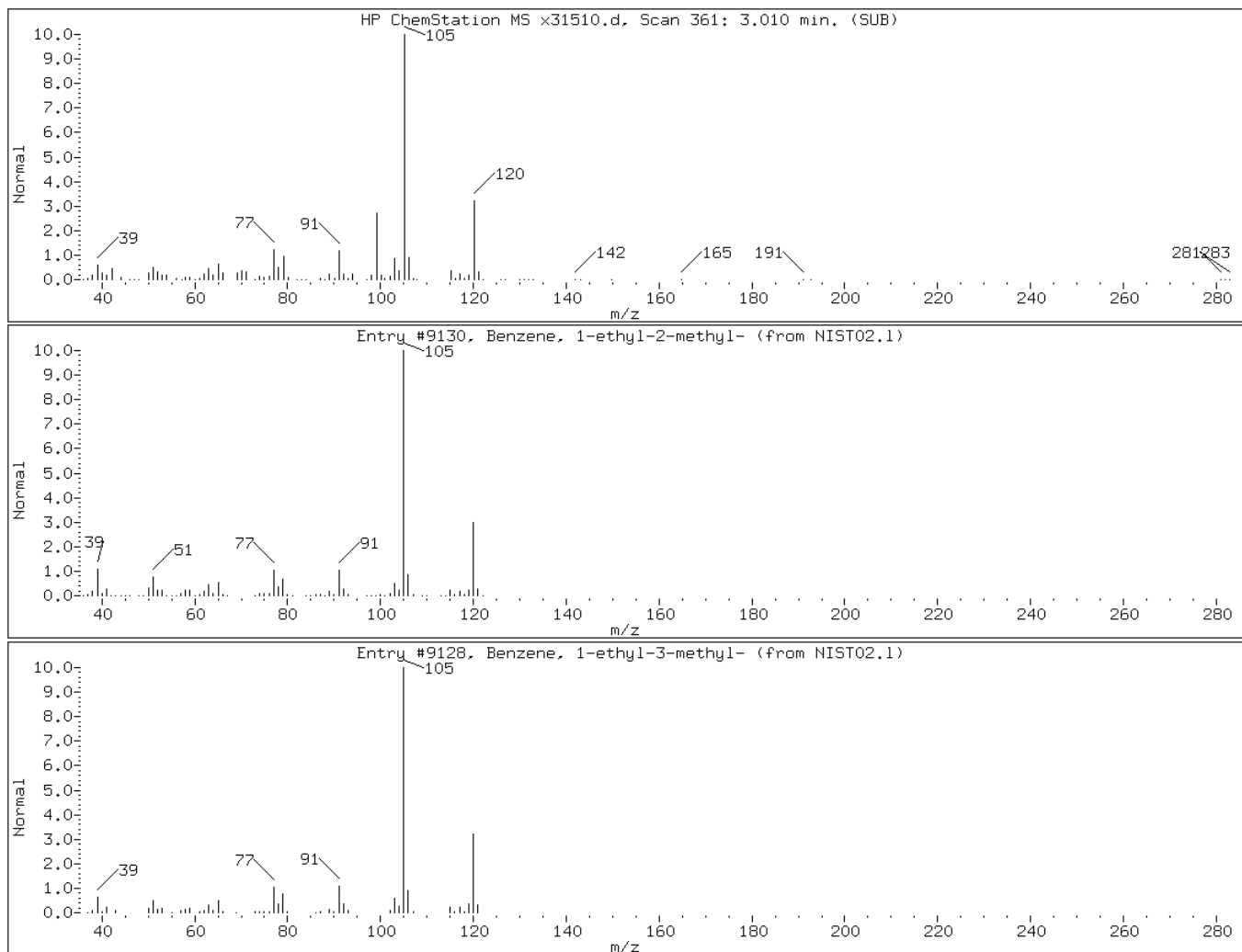
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 3.01

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethylmethylbenzene isomer						
Benzene, 1-ethyl-2-methyl-	611-14-3	NIST02.1	9130	94	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NIST02.1	9128	90	C9H12	120



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

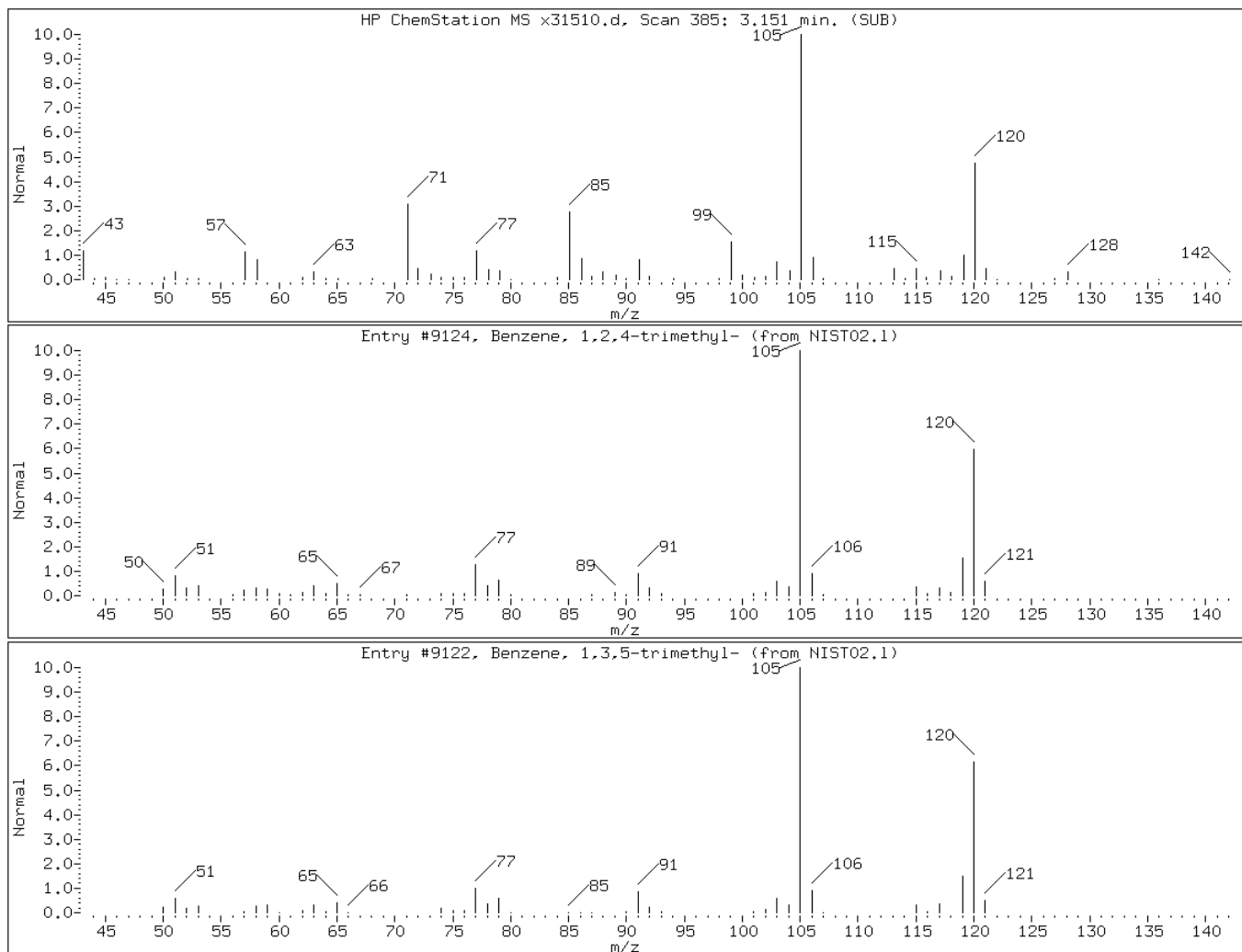
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 3.15

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylbenzene isomer-1						
Benzene, 1,2,4-trimethyl-	95-63-6	NIST02.1	9124	91	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NIST02.1	9122	60	C9H12	120



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

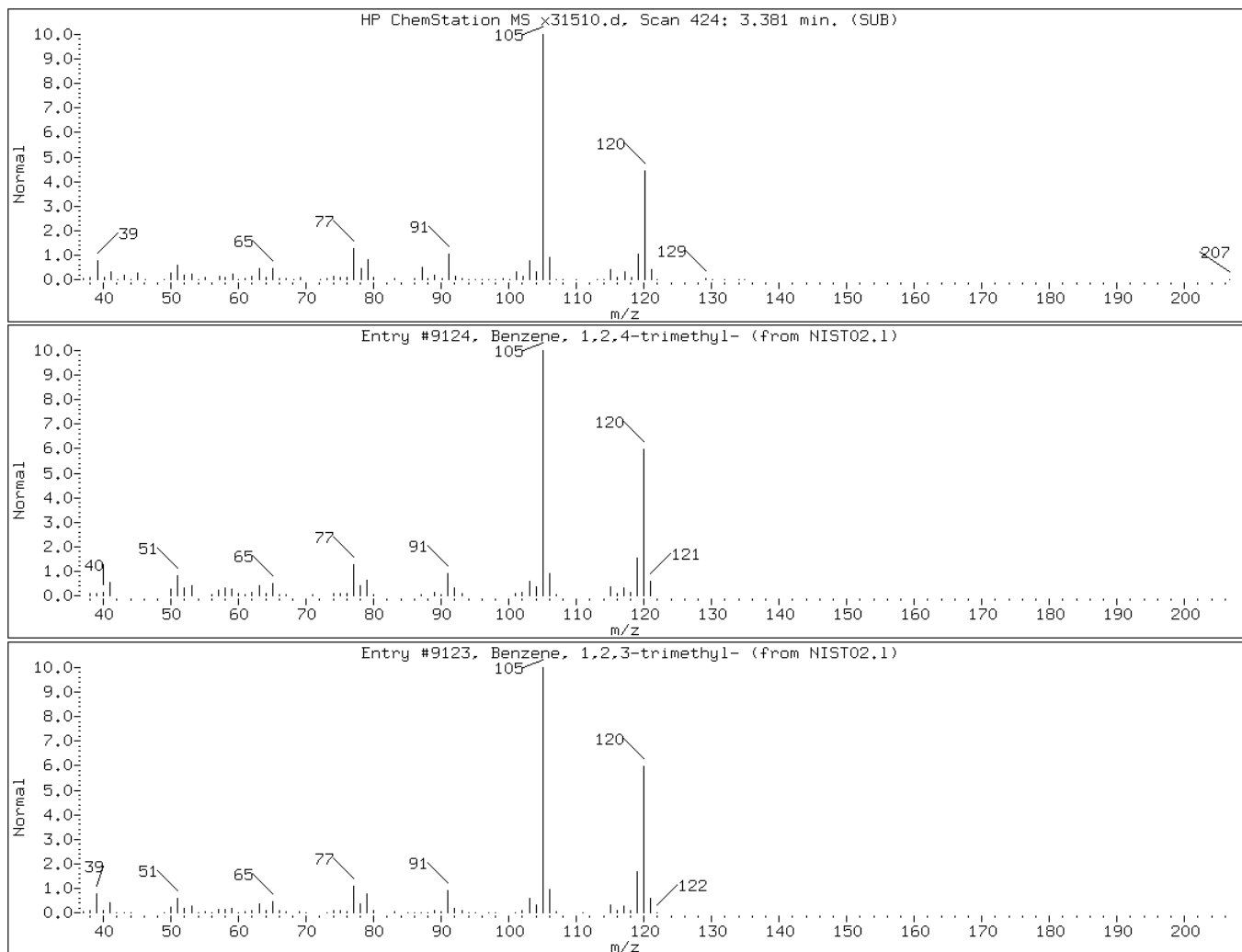
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 3.38

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylbenzene isomer-2						
Benzene, 1,2,4-trimethyl-	95-63-6	NIST02.1	9124	95	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NIST02.1	9123	95	C9H12	120



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

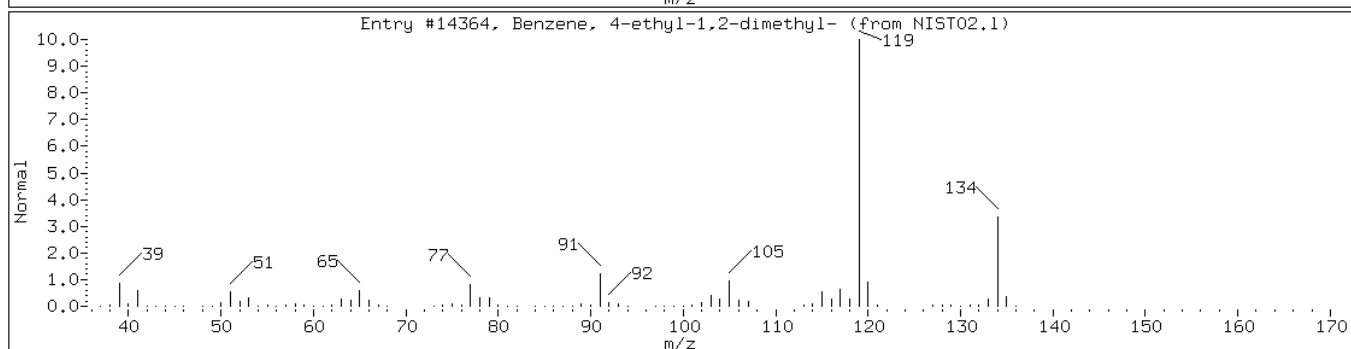
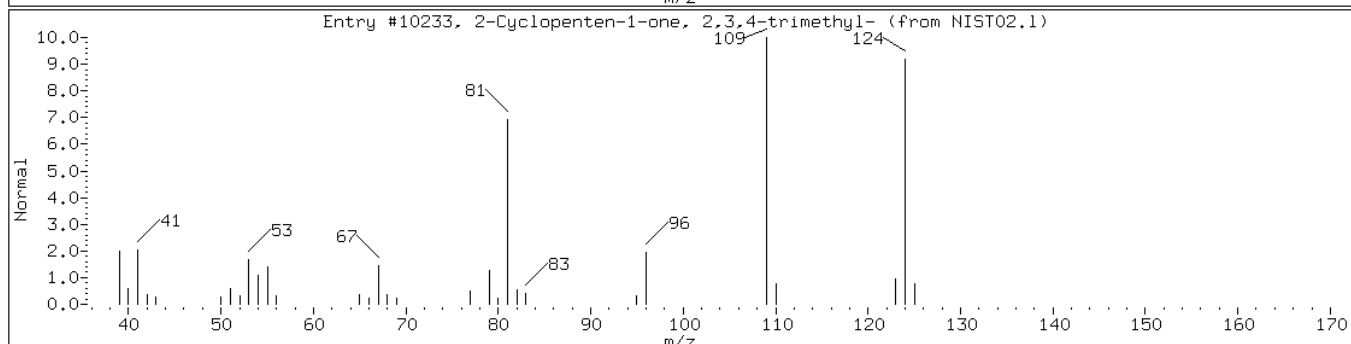
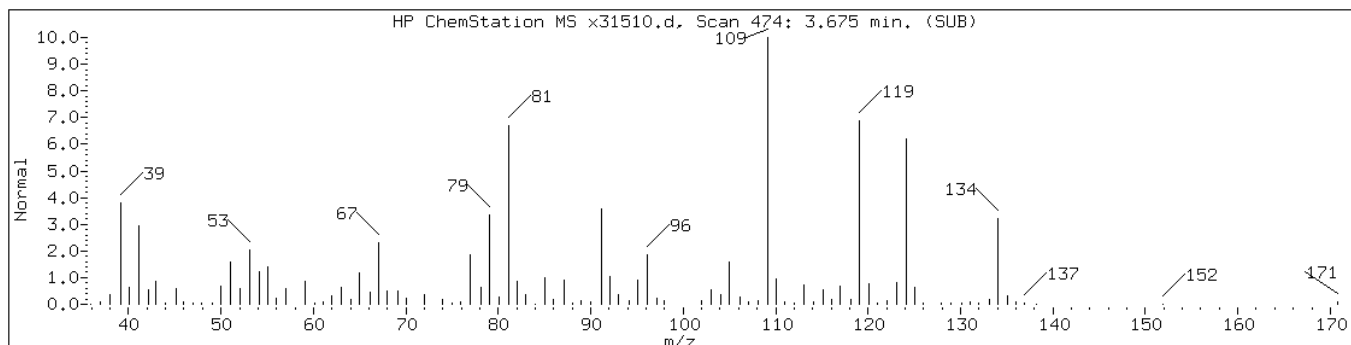
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 3.67

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown-11						
2-Cyclopenten-1-one, 2,3,4-trimeth	28790-86-5	NIST02.1	10233	55	C8H12O	124
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NIST02.1	14364	53	C10H14	134



Data File: x31510.d

Date: 31-OCT-2012 23:51

Client ID:

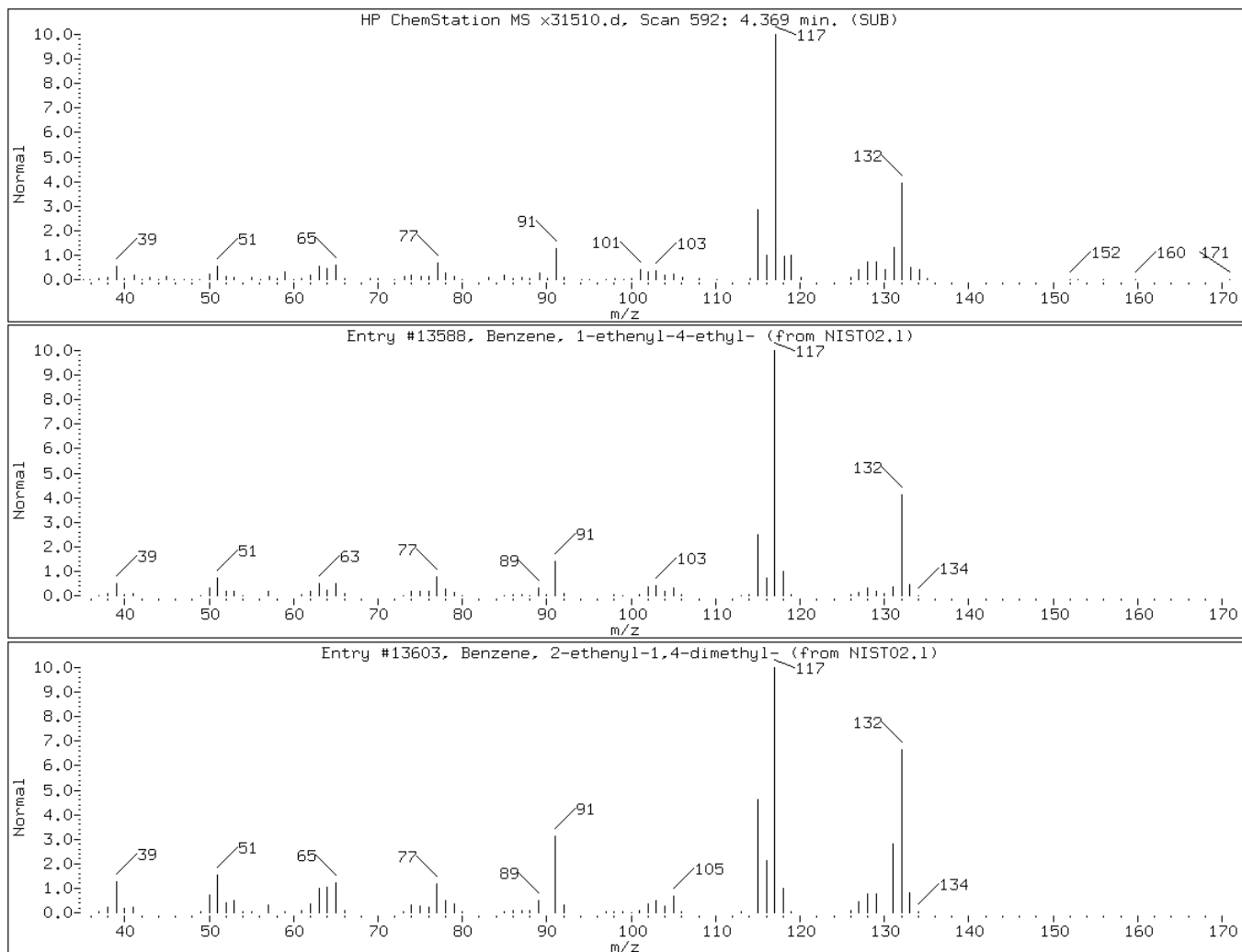
Instrument: BNAMS5.i

Sample Info: 460-46388-G-3-B

Operator: BNAMS 4

Retention Time: 4.37

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H12 Aromatic						
Benzene, 1-ethenyl-4-ethyl-	3454-07-7	NIST02.1	13588	94	C10H12	132
Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	NIST02.1	13603	93	C10H12	132



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

Lab Name: TestAmerica Edison Job No.: 460-46388-1 Analy Batch No.: 134049

SDG No.: _____

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 05:10 Calibration End Date: 10/17/2012 07:15 Calibration ID: 18336

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-134049/6	x31138.d
Level 2	IC 460-134049/5	x31136.d
Level 3	ICIS 460-134049/2	x31133.d
Level 4	IC 460-134049/4	x31135.d
Level 5	IC 460-134049/3	x31134.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
o-Toluidine	0	0	0	0	0	Ave					0.0500			30.0			
1,4-Dioxane	0.5912	0.5663	0.5579	0.5564	0.5790	Ave		0.5702			0.0500	2.6		30.0			
N-Nitrosodimethylamine	0.6839	0.6990	0.7397	0.7144	0.7326	Ave		0.7139			0.0500	3.2		30.0			
Pyridine	1.1568	1.1922	1.2126	1.2632	1.2648	Ave		1.2179			0.0500	3.8		30.0			
2,3,7,8-TCDD	++++	++++	0.1534	++++	++++	Ave		0.1534			0.0500			30.0			
Benzaldehyde	0.7804	0.4330	0.4463	0.0976	0.0388	Ave		0.3592			0.0500	83.7	*	30.0			
Aniline	1.5134	1.5218	1.5967	1.5358	1.4850	Ave		1.5305			0.0500	2.7		30.0			
Phenol	1.7583	1.6614	1.4742	1.4407	1.3339	Ave		1.5337			0.0500	11.2		30.0			
Bis(2-chloroethyl)ether	1.5093	1.2499	1.2657	1.2401	1.2680	Ave		1.3066			0.0500	8.7		30.0			
2-Chlorophenol	1.5304	1.4879	1.4452	1.3188	1.2493	Ave		1.4063			0.0500	8.4		30.0			
n-Decane	1.4221	1.3184	1.2781	1.2966	1.3428	Ave		1.3316			0.0500	4.2		30.0			
1,3-Dichlorobenzene	1.7866	1.6788	1.6115	1.5873	1.5878	Ave		1.6504			0.0500	5.1		30.0			
1,4-Dichlorobenzene	1.7859	1.6718	1.6339	1.5885	1.5713	Ave		1.6503			0.0500	5.2		30.0			
1,2-Dichlorobenzene	1.6582	1.5668	1.4726	1.4344	1.4306	Ave		1.5125			0.0500	6.5		30.0			
Benzyl alcohol	0.7576	0.8046	0.7858	0.7318	0.6956	Ave		0.7551			0.0500	5.7		30.0			
2,2'-oxybis[1-chloropropane]	1.4664	1.4116	1.3591	1.3213	1.2839	Ave		1.3685			0.0500	5.3		30.0			
2-Methylphenol	1.1958	1.1567	1.0900	1.0049	0.9308	Ave		1.0756			0.0500	10.1		30.0			
Acetophenone	1.6500	1.6729	1.5782	1.4762	1.4204	Ave		1.5596			0.0500	7.0		30.0			
N-Nitrosodi-n-propylamine	0.7090	0.8275	0.7952	0.6985	0.7345	Ave		0.7529			0.0500	7.5		30.0			
3 & 4 Methylphenol	1.1956	1.1660	1.1005	0.9755	0.9012	Ave		1.0678			0.0500	11.8		30.0			
4-Methylphenol	1.1956	1.1660	1.1005	0.9755	0.9012	Ave		1.0678			0.0500	11.8		30.0			
Hexachloroethane	0.6255	0.6469	0.6118	0.5995	0.5724	Ave		0.6112			0.0500	4.6		30.0			
Nitrobenzene	0.5436	0.4863	0.4707	0.4515	0.4235	Ave		0.4751			0.0500	9.4		30.0			
n,n'-Dimethylaniline	1.9434	1.9949	1.8326	1.7860	1.7119	Ave		1.8538			0.0500	6.2		30.0			
Isophorone	0.5017	0.5099	0.5269	0.5207	0.5025	Ave		0.5124			0.0500	2.2		30.0			
2-Nitrophenol	0.1684	0.1945	0.2018	0.1975	0.1968	Ave		0.1918			0.0500	6.9		30.0			
2,4-Dimethylphenol	0.3091	0.2995	0.2940	0.2760	0.2595	Ave		0.2876			0.0500	6.9		30.0			
Bis(2-chloroethoxy)methane	0.3446	0.3456	0.3435	0.3403	0.3319	Ave		0.3412			0.0500	1.6		30.0			
2,4-Dichlorophenol	0.2633	0.2746	0.2594	0.2437	0.2288	Ave		0.2540			0.0500	7.1		30.0			
1,2,4-Trichlorobenzene	0.3311	0.3164	0.3094	0.3050	0.3063	Ave		0.3136			0.0500	3.4		30.0			
Naphthalene	1.0825	1.0500	0.9983	0.9696	0.9564	Ave		1.0114			0.0500	5.3		30.0			
4-Chloroaniline	0.3165	0.3201	0.3264	0.3059	0.2947	Ave		0.3127			0.0500	4.0		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.: 460-46388-1 Analy Batch No.: 134049

SDG No.: _____

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 05:10 Calibration End Date: 10/17/2012 07:15 Calibration ID: 18336

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.1915	0.1794	0.1787	0.1774	0.1811	Ave		0.1816			0.0500	3.1		30.0			
Caprolactam	0.0349	0.0598	0.0659	0.0609	0.0581	Ave		0.0559			0.0500	21.7		30.0			
4-Chloro-3-methylphenol	0.2310	0.2293	0.2290	0.2134	0.1928	Ave		0.2191			0.0500	7.5		30.0			
2-Methylnaphthalene	0.6373	0.6241	0.6075	0.5771	0.5608	Ave		0.6014			0.0500	5.3		30.0			
1-Methylnaphthalene	0.6866	0.6320	0.6130	0.5886	0.5772	Ave		0.6195			0.0500	7.0		30.0			
Hexachlorocyclopentadiene	0.3713	0.3547	0.3497	0.3982	0.4456	Ave		0.3839			0.0500	10.3		30.0			
2,4,6-Trichlorophenol	0.3732	0.3862	0.3885	0.3726	0.3826	Ave		0.3806			0.0500	1.9		30.0			
2,4,5-Trichlorophenol	0.3908	0.3921	0.3872	0.3811	0.3703	Ave		0.3843			0.0500	2.3		30.0			
1,1'-Biphenyl	1.6869	1.7055	1.5912	1.5712	1.5896	Ave		1.6289			0.0500	3.8		30.0			
2-Chloronaphthalene	1.2972	1.2506	1.1828	1.1667	1.2077	Ave		1.2210			0.0500	4.3		30.0			
Phenyl ether	0.8770	0.8852	0.8565	0.8514	0.8752	Ave		0.8690			0.0500	1.7		30.0			
2-Nitroaniline	0.2695	0.3027	0.2821	0.2831	0.2839	Ave		0.2843			0.0500	4.2		30.0			
Coumarin	0.1528	0.1558	0.1592	0.1437	0.1403	Ave		0.1504			0.0500	5.4		30.0			
Dimethyl phthalate	1.1334	1.1505	1.1265	1.0961	1.0926	Ave		1.1198			0.0500	2.2		30.0			
2,6-Dinitrotoluene	0.2036	0.2615	0.2688	0.2589	0.2630	Ave		0.2512			0.0500	10.7		30.0			
Acenaphthylene	1.9331	1.8459	1.7968	1.7593	1.7779	Ave		1.8226			0.0500	3.8		30.0			
3-Nitroaniline	0.2374	0.2574	0.2477	0.2393	0.2440	Ave		0.2452			0.0500	3.2		30.0			
Acenaphthene	1.1387	1.1032	1.0565	1.0472	1.0531	Ave		1.0798			0.0500	3.7		30.0			
2,4-Dinitrophenol	0.0660	0.1050	0.1313	0.1363	0.1365	Ave		0.1150			0.0500	26.4		30.0			
4-Nitrophenol	0.1325	0.1655	0.1678	0.1556	0.1573	Ave		0.1557			0.0500	9.0		30.0			
Dibenzofuran	1.5622	1.5702	1.5007	1.4520	1.4449	Ave		1.5060			0.0500	3.9		30.0			
2,4-Dinitrotoluene	0.2872	0.3170	0.3080	0.2883	0.2985	Ave		0.2998			0.0500	4.3		30.0			
Diethyl phthalate	0.9924	1.0746	1.0477	1.0155	1.0158	Ave		1.0292			0.0500	3.1		30.0			
Fluorene	1.1686	1.1809	1.1649	1.1058	1.1348	Ave		1.1510			0.0500	2.6		30.0			
4-Chlorophenyl phenyl ether	0.5941	0.5819	0.5549	0.5418	0.5514	Ave		0.5648			0.0500	3.9		30.0			
4-Nitroaniline	0.1794	0.2080	0.1885	0.1786	0.1845	Ave		0.1878			0.0500	6.4		30.0			
4,6-Dinitro-2-methylphenol	0.1062	0.1292	0.1417	0.1436	0.1492	Ave		0.1340			0.0500	12.8		30.0			
N-Nitrosodiphenylamine	0.5738	0.5890	0.6197	0.6132	0.6198	Ave		0.6031			0.0500	3.4		30.0			
1,2-Diphenylhydrazine	0.9165	1.1085	1.1058	1.1309	1.1973	Ave		1.0918			0.0500	9.6		30.0			
4-Bromophenyl phenyl ether	0.2322	0.2359	0.2408	0.2392	0.2458	Ave		0.2388			0.0500	2.2		30.0			
Hexachlorobenzene	0.2503	0.2348	0.2359	0.2287	0.2276	Ave		0.2355			0.0500	3.9		30.0			
Atrazine	0.1733	0.1981	0.1994	0.1963	0.2001	Ave		0.1934			0.0500	5.9		30.0			
Pentachlorophenol	0.1060	0.1258	0.1306	0.1318	0.1360	Ave		0.1260			0.0500	9.3		30.0			
Phenanthrene	1.1564	1.1224	1.1043	1.0731	1.0828	Ave		1.1078			0.0500	3.0		30.0			
Anthracene	1.1107	1.1458	1.1213	1.0865	1.0944	Ave		1.1117			0.0500	2.1		30.0			
Carbazole	0.8551	0.9073	0.8617	0.8397	0.8289	Ave		0.8585			0.0500	3.5		30.0			
Di-n-butyl phthalate	0.8992	1.1159	1.1558	1.1179	1.1582	Ave		1.0894			0.0500	9.9		30.0			
Fluoranthene	0.8170	0.9042	0.8776	0.8518	0.8536	Ave		0.8608			0.0500	3.8		30.0			
Benzidine	0.0553	0.1147	0.0115	0.0075	0.0054	Ave		0.0389		*	0.0500	121.1	*	30.0			
Pyrene	1.7342	1.8459	1.9110	1.7826	1.7914	Ave		1.8130			0.0500	3.7		30.0			
Butyl benzyl phthalate	0.4538	0.6593	0.7221	0.7225	0.7452	Ave		0.6606			0.0500	18.2		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.: 460-46388-1 Analy Batch No.: 134049

SDG No.: _____

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 05:10 Calibration End Date: 10/17/2012 07:15 Calibration ID: 18336

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzo[a]anthracene	1.1832	1.1738	1.1890	1.1689	1.2131	Ave		1.1856			0.0500	1.5		30.0			
3,3'-Dichlorobenzidine	0.2888	0.3174	0.2801	0.2733	0.2678	Ave		0.2855			0.0500	6.8		30.0			
Chrysene	1.1360	1.1859	1.2087	1.1865	1.2110	Ave		1.1856			0.0500	2.5		30.0			
Bis(2-ethylhexyl) phthalate	0.6179	0.8954	0.9552	0.9661	1.0048	Ave		0.8879			0.0500	17.6		30.0			
Di-n-octyl phthalate	0.7551	1.4801	1.6139	1.7342	1.7208	Ave		1.4608			0.0500	27.9		30.0			
Benzo[b]fluoranthene	0.7970	1.0830	1.2147	1.2267	1.1612	Ave		1.0965			0.0500	16.1		30.0			
Benzo[k]fluoranthene	0.8205	1.3260	1.2977	1.2408	1.3587	Ave		1.2087			0.0500	18.3		30.0			
Benzo[a]pyrene	0.4827	0.8828	0.9724	0.9694	1.0035	Ave		0.8622			0.0500	25.2		30.0			
Indeno[1,2,3-cd]pyrene	0.4271	0.7772	0.8355	0.9179	0.9369	Ave		0.7789			0.0500	26.6		30.0			
Dibenz(a,h)anthracene	0.4575	0.7740	0.8879	0.9682	0.9812	Ave		0.8138			0.0500	26.5		30.0			
Benzo[g,h,i]perylene	0.7125	0.8830	0.9438	0.9669	1.0155	Ave		0.9043			0.0500	13.0		30.0			
2-Fluorophenol (Surr)	1.1732	1.2668	1.2261	1.2888	1.1931	Ave		1.2296			0.0500	3.9		30.0			
Phenol-d5 (Surr)	1.5085	1.4729	1.3786	1.4122	1.2907	Ave		1.4126			0.0500	6.0		30.0			
Nitrobenzene-d5 (Surr)	0.3436	0.3514	0.3648	0.3511	0.3594	Ave		0.3540			0.0500	2.3		30.0			
2-Fluorobiphenyl	1.4957	1.4491	1.4118	1.4070	1.5078	Ave		1.4543			0.0500	3.2		30.0			
2,4,6-Tribromophenol (Surr)	0.1161	0.1233	0.1218	0.1272	0.1209	Ave		0.1219			0.0500	3.3		30.0			
Terphenyl-d14 (Surr)	1.1476	1.1729	1.2272	1.1344	1.2090	Ave		1.1782			0.0500	3.4		30.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1 Analy Batch No.: 134049

SDG No.: _____

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 05:10 Calibration End Date: 10/17/2012 07:15 Calibration ID: 18336

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-134049/6	x31138.d
Level 2	IC 460-134049/5	x31136.d
Level 3	ICIS 460-134049/2	x31133.d
Level 4	IC 460-134049/4	x31135.d
Level 5	IC 460-134049/3	x31134.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
o-Toluidine	DCB	Ave	0	0	0	0	0	5.00	20.0	50.0	80.0	120
1,4-Dioxane	DCB	Ave	65026	228812	582652	878616	1240068	5.00	20.0	50.0	80.0	120
N-Nitrosodimethylamine	DCB	Ave	75222	282393	772607	1128091	1569089	5.00	20.0	50.0	80.0	120
Pyridine	DCB	Ave	127238	481672	1266489	1994532	2708984	5.00	20.0	50.0	80.0	120
2,3,7,8-TCDD	CRY	Ave	++++	++++	1235	++++	++++	++++	++++	0.500	++++	++++
Benzaldehyde	DCB	Ave	85835	174930	466163	154183	83160	5.00	20.0	50.0	80.0	120
Aniline	DCB	Ave	166454	614849	1667634	2425030	3180563	5.00	20.0	50.0	80.0	120
Phenol	DCB	Ave	193393	671255	1539721	2274890	2857016	5.00	20.0	50.0	80.0	120
Bis(2-chloroethyl)ether	DCB	Ave	16601	504980	1321921	1958111	2715797	0.500	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	168326	601147	1509458	2082353	2675691	5.00	20.0	50.0	80.0	120
n-Decane	DCB	Ave	156413	532675	1334954	2047414	2876040	5.00	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	196505	678277	1683142	2506365	3400763	5.00	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	196426	675459	1706573	2508211	3365404	5.00	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	182389	633017	1538032	2264976	3064101	5.00	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	83326	325092	820730	1155512	1489882	5.00	20.0	50.0	80.0	120
2,2'-oxybis[1-chloropropane]	DCB	Ave	161288	570307	1419503	2086409	2749949	5.00	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	131525	467346	1138437	1586676	1993494	5.00	20.0	50.0	80.0	120
Acetophenone	DCB	Ave	181482	675904	1648336	2331003	3042260	5.00	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	7798	334344	830518	1102897	1573047	0.500	20.0	50.0	80.0	120
3 & 4 Methylphenol	DCB	Ave	131509	471094	1149465	1540285	1930183	5.00	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	131509	471094	1149465	1540285	1930183	5.00	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	6880	261359	639010	946635	1225913	0.500	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	22662	725556	1745539	2483135	3068901	0.500	20.0	50.0	80.0	120
n,n'-Dimethylaniline	DCB	Ave	21376	805978	1914043	2820104	3666636	0.500	20.0	50.0	80.0	120
Isophorone	NPT	Ave	209167	760823	1954102	2864002	3641784	5.00	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Ave	70224	290177	748248	1086068	1426067	5.00	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	128879	446798	1090433	1517986	1880173	5.00	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	143652	515643	1273908	1871616	2405427	5.00	20.0	50.0	80.0	120
2,4-Dichlorophenol	NPT	Ave	109794	409701	961909	1340147	1658051	5.00	20.0	50.0	80.0	120
1,2,4-Trichlorobenzene	NPT	Ave	13803	472019	1147605	1677356	2219480	0.500	20.0	50.0	80.0	120
Naphthalene	NPT	Ave	451314	1566631	3702388	5332698	6930564	5.00	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	131966	477548	1210557	1682247	2135784	5.00	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	15969	267673	662755	975640	1312559	1.00	20.0	50.0	80.0	120
Caprolactam	NPT	Ave	14536	89200	244288	334968	420707	5.00	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1 Analy Batch No.: 134049

SDG No.: _____

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 05:10 Calibration End Date: 10/17/2012 07:15 Calibration ID: 18336

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	96321	342157	849218	1173860	1396920	5.00	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	265715	931222	2252836	3173924	4064076	5.00	20.0	50.0	80.0	120
1-Methylnaphthalene	NPT	Ave	286271	942878	2273372	3237231	4182891	5.00	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Ave	66803	221243	543512	869233	1192357	5.00	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	67143	240933	603836	813273	1023769	5.00	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Ave	70318	244570	601765	831942	990789	5.00	20.0	50.0	80.0	120
1,1'-Biphenyl	ANT	Ave	303502	1063842	2473059	3429531	4253502	5.00	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	233398	780125	1838420	2546696	3231633	5.00	20.0	50.0	80.0	120
Phenyl ether	ANT	Ave	157788	552142	1331227	1858338	2341786	5.00	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Ave	96967	188787	438493	617954	759629	10.0	20.0	50.0	80.0	120
Coumarin	NPT	Ave	63716	232517	590231	790310	1016671	5.00	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	203922	717644	1750934	2392453	2923426	5.00	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Ave	7326	163147	417805	565127	703592	1.00	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	347796	1151433	2792665	3840025	4757146	5.00	20.0	50.0	80.0	120
3-Nitroaniline	ANT	Ave	85423	160563	384999	522267	652962	10.0	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	204876	688152	1642062	2285806	2817942	5.00	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Ave	35608	98257	204045	297509	365162	15.0	30.0	50.0	80.0	120
4-Nitrophenol	ANT	Ave	71496	154845	260852	339534	420821	15.0	30.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	281071	979428	2332459	3169477	3866219	5.00	20.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Ave	10335	197718	478763	629395	798812	1.00	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	178559	670290	1628339	2216526	2717896	5.00	20.0	50.0	80.0	120
Fluorene	ANT	Ave	210248	736636	1810605	2413630	3036561	5.00	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	106893	362980	862402	1182527	1475451	5.00	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Ave	64549	129734	293014	389935	493586	10.0	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Ave	65564	142116	252904	343311	437131	15.0	30.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	118073	431818	1106388	1465435	1816111	5.00	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	PHN	Ave	188591	812657	1974194	2702764	3508168	5.00	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	47776	172920	429975	571587	720163	5.00	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	5151	172144	421181	546555	666741	0.500	20.0	50.0	80.0	120
Atrazine	PHN	Ave	35652	145258	356037	469156	586340	5.00	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Ave	65437	138330	233215	315080	398350	15.0	30.0	50.0	80.0	120
Phenanthrene	PHN	Ave	237941	822879	1971527	2564755	3172534	5.00	20.0	50.0	80.0	120
Anthracene	PHN	Ave	228541	840039	2001898	2596778	3206475	5.00	20.0	50.0	80.0	120
Carbazole	PHN	Ave	175949	665190	1538398	2006772	2428635	5.00	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	185026	818123	2063556	2671671	3393427	5.00	20.0	50.0	80.0	120
Fluoranthene	PHN	Ave	168115	662878	1566814	2035860	2500911	5.00	20.0	50.0	80.0	120
Benzidine	PHN	Ave	22773	126128	20469	18016	15803	10.0	30.0	50.0	80.0	120
Pyrene	CRY	Ave	165464	650109	1538787	2041098	2429138	5.00	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	43295	232201	581458	827310	1010513	5.00	20.0	50.0	80.0	120
Benzo[a]anthracene	CRY	Ave	11289	413395	957445	1338349	1645009	0.500	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Ave	55108	167677	225579	312934	363136	10.0	30.0	50.0	80.0	120
Chrysene	CRY	Ave	108387	417673	973328	1358582	1642143	5.00	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	58957	315357	769155	1106199	1362496	5.00	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1 Analy Batch No.: 134049

SDG No.: _____

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/17/2012 05:10 Calibration End Date: 10/17/2012 07:15 Calibration ID: 18336

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Di-n-octyl phthalate	PRY	Ave	51797	375113	946822	1537346	1864767	5.00	20.0	50.0	80.0	120
Benzo[b]fluoranthene	PRY	Ave	5467	274469	712597	1087440	1258359	0.500	20.0	50.0	80.0	120
Benzo[k]fluoranthene	PRY	Ave	5628	336074	761281	1100002	1472394	0.500	20.0	50.0	80.0	120
Benzo[a]pyrene	PRY	Ave	3311	223744	570483	859399	1087517	0.500	20.0	50.0	80.0	120
Indeno[1,2,3-cd]pyrene	PRY	Ave	2930	196972	490150	813715	1015267	0.500	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Ave	3138	196174	520917	858321	1063292	0.500	20.0	50.0	80.0	120
Benzo[g,h,i]perylene	PRY	Ave	48876	223798	553679	857182	1100421	5.00	20.0	50.0	80.0	120
2-Fluorophenol (Surr)	DCB	Ave	129043	511830	1280661	2035101	2555391	5.00	20.0	50.0	80.0	120
Phenol-d5 (Surr)	DCB	Ave	165915	595081	1439863	2229813	2764529	5.00	20.0	50.0	80.0	120
Nitrobenzene-d5 (Surr)	NPT	Ave	143259	524232	1352708	1931279	2604156	5.00	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	269105	903894	2194265	3071219	4034529	5.00	20.0	50.0	80.0	120
2,4,6-Tribromophenol (Surr)	ANT	Ave	20896	76932	189317	277610	323399	5.00	20.0	50.0	80.0	120
Terphenyl-d14 (Surr)	CRY	Ave	109495	413094	988211	1298868	1639415	5.00	20.0	50.0	80.0	120

Curve Type Legend:

Ave = Average ISTD

Data File: /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31133.d
 Report Date: 31-Oct-2012 14:10

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31133.d
 Lab Smp Id: ICIS-1785657
 Inj Date : 17-OCT-2012 05:10
 Operator : BNAMS 4
 Smp Info : ICIS-1785657
 Misc Info : 50ppm bna4710
 Comment :
 Method : /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/8270Cdel_08.m
 Meth Date : 31-Oct-2012 14:10 croccom Quant Type: ISTD
 Cal Date : 17-OCT-2012 05:10 Cal File: x31133.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 * 1000*Vt/Vo * CpndVariable

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT	ON -COL
							(ug/ml)	(ug/ml)
=====	=====	==	=====	=====	=====	=====	=====	
106 1,4-Dioxane	88	1.061	1.061	(0.303)	582652	50.0000	49	
19 N-Nitrosodimethylamine	74	1.261	1.261	(0.360)	772607	50.0000	52	
71 Pyridine	79	1.291	1.291	(0.368)	1266489	50.0000	50	
\$ 16 2-Fluorophenol (SUR)	112	2.285	2.285	(0.652)	1280661	50.0000	50	
110 Benzaldehyde	77	3.055	3.055	(0.872)	466163	50.0000	62	
\$ 17 Phenol-d5 (SUR)	99	3.191	3.191	(0.911)	1439863	50.0000	49	
1 Phenol	94	3.208	3.208	(0.916)	1539721	50.0000	48	
73 Aniline	93	3.179	3.179	(0.908)	1667634	50.0000	52	
20 bis(2-Chloroethyl)ether	93	3.255	3.255	(0.929)	1321921	50.0000	48	
2 2-Chlorophenol	128	3.302	3.302	(0.943)	1509458	50.0000	51	
113 n-decane	43	3.367	3.367	(0.961)	1334954	50.0000	48	
21 1,3-Dichlorobenzene	146	3.443	3.443	(0.983)	1683142	50.0000	49	
* 79 1,4-Dichlorobenzene-d4	152	3.502	3.502	(1.000)	835566	40.0000		
22 1,4-Dichlorobenzene	146	3.520	3.520	(1.005)	1706573	50.0000	50	
74 Benzyl Alcohol	108	3.679	3.679	(1.050)	820730	50.0000	52	

Data File: /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31133.d
 Report Date: 31-Oct-2012 14:10

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ug/ml)	ON -COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.673	3.673	(1.049)	1538032	50.0000	49
3 2-Methylphenol	108	3.820	3.820	(1.091)	1138437	50.0000	51
24 bis (2-chloroisopropyl) ether	45	3.808	3.808	(1.087)	1419503	50.0000	50
104 Acetophenone	105	3.938	3.938	(1.124)	1648336	50.0000	50
4 4-Methylphenol	108	3.985	3.985	(1.138)	1149465	50.0000	52
121 3 & 4 Methylphenol	108	3.985	3.985	(1.138)	1149465	50.0000	52
25 N-Nitroso-di-n-propylamine	70	3.955	3.955	(1.129)	830518	50.0000	53
26 Hexachloroethane	117	4.014	4.014	(1.146)	639010	50.0000	50
\$ 76 Nitrobenzene-d5 (SUR)	82	4.085	4.085	(0.852)	1352708	50.0000	52
107 N,N-Dimethylaniline	120	4.108	4.108	(1.173)	1914043	50.0000	49
27 Nitrobenzene	77	4.108	4.108	(0.856)	1745539	50.0000	50
28 Isophorone	82	4.361	4.361	(0.909)	1954102	50.0000	51
5 2-Nitrophenol	139	4.426	4.426	(0.923)	748248	50.0000	53
6 2,4-Dimethylphenol	122	4.514	4.514	(0.941)	1090433	50.0000	51
29 bis(2-Chloroethoxy)methane	93	4.596	4.596	(0.958)	1273908	50.0000	50
7 2,4-Dichlorophenol	162	4.685	4.685	(0.977)	961909	50.0000	51
30 1,2,4-Trichlorobenzene	180	4.749	4.749	(0.990)	1147605	50.0000	49
* 80 Naphthalene-d8	136	4.796	4.796	(1.000)	2966850	40.0000	
31 Naphthalene	128	4.820	4.820	(1.005)	3702388	50.0000	49
32 4-Chloroaniline	127	4.902	4.902	(1.022)	1210557	50.0000	52
33 Hexachlorobutadiene	225	4.967	4.967	(1.036)	662755	50.0000	49
111 Caprolactam	113	5.314	5.314	(1.108)	244288	50.0000	59
8 4-Chloro-3-methylphenol	107	5.437	5.437	(1.134)	849218	50.0000	52
34 2-Methylnaphthalene	142	5.520	5.520	(1.151)	2252836	50.0000	50
120 1-Methylnaphthalene	142	5.614	5.614	(1.170)	2273372	50.0000	49
35 Hexachlorocyclopentadiene	237	5.690	5.690	(0.870)	543512	50.0000	46
9 2,4,6-Trichlorophenol	196	5.820	5.820	(0.889)	603836	50.0000	51
10 2,4,5-Trichlorophenol	196	5.867	5.867	(0.897)	601765	50.0000	50
\$ 77 2-Fluorobiphenyl (SUR)	172	5.896	5.896	(0.901)	2194265	50.0000	48
102 Diphenyl	154	5.990	5.990	(0.916)	2473059	50.0000	49
36 2-Chloronaphthalene	162	5.996	5.996	(0.916)	1838420	50.0000	48
103 Diphenyl Ether	170	6.102	6.102	(0.933)	1331227	50.0000	49
37 2-Nitroaniline	65	6.126	6.126	(0.936)	438493	50.0000	50
38 Dimethylphthalate	163	6.326	6.326	(0.967)	1750934	50.0000	50
114 Coumarin	146	6.314	6.314	(1.316)	590231	50.0000	53
40 2,6-Dinitrotoluene	165	6.367	6.367	(0.973)	417805	50.0000	54
39 Acenaphthylene	152	6.402	6.402	(0.978)	2792665	50.0000	49
41 3-Nitroaniline	138	6.531	6.531	(0.998)	384999	50.0000	50
* 82 Acenaphthene-d10	164	6.543	6.543	(1.000)	1243402	40.0000	
42 Acenaphthene	154	6.573	6.573	(1.004)	1642062	50.0000	49
11 2,4-Dinitrophenol	184	6.631	6.631	(1.013)	204045	50.0000	57
12 4-Nitrophenol	65	6.743	6.743	(1.031)	260852	50.0000	54
44 2,4-Dinitrotoluene	165	6.755	6.755	(1.032)	478763	50.0000	51
43 Dibenzofuran	168	6.743	6.743	(1.031)	2332459	50.0000	50
45 Diethylphthalate	149	7.014	7.014	(1.072)	1628339	50.0000	51
46 4-Chlorophenyl-phenylether	204	7.090	7.090	(1.084)	862402	50.0000	49
47 Fluorene	166	7.078	7.078	(1.082)	1810605	50.0000	51

Data File: /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31133.d
 Report Date: 31-Oct-2012 14:10

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	7.131	7.131	(1.090)	293014	50.0000	50
13 4,6-Dinitro-2-methylphenol	198	7.155	7.155	(0.897)	252904	50.0000	53
49 N-Nitrosodiphenylamine	169	7.214	7.214	(0.904)	1106388	50.0000	51
75 1,2-Diphenylhydrazine	77	7.243	7.243	(0.908)	1974194	50.0000	51
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.314	7.314	(1.118)	189317	50.0000	50
50 4-Bromophenyl-phenylether	248	7.561	7.561	(0.948)	429975	50.0000	50
51 Hexachlorobenzene	284	7.614	7.614	(0.954)	421181	50.0000	50
112 Atrazine	200	7.761	7.761	(0.973)	356037	50.0000	52
14 Pentachlorophenol	266	7.820	7.820	(0.980)	233215	50.0000	52
* 83 Phenanthrene-d10	188	7.978	7.978	(1.000)	1428265	40.0000	
52 Phenanthrene	178	8.002	8.002	(1.003)	1971527	50.0000	50
53 Anthracene	178	8.055	8.055	(1.010)	2001898	50.0000	50
54 Carbazole	167	8.225	8.225	(1.031)	1538398	50.0000	50
55 Di-n-butylphthalate	149	8.602	8.602	(1.078)	2063556	50.0000	53
56 Fluoranthene	202	9.155	9.155	(1.147)	1566814	50.0000	51
58 Benzidine	184	9.331	9.331	(1.170)	20469	50.0000	15
57 Pyrene	202	9.367	9.367	(0.886)	1538787	50.0000	53
\$ 78 Terphenyl-d14	244	9.549	9.549	(0.904)	988211	50.0000	52
59 Butylbenzylphthalate	149	10.049	10.049	(0.951)	581458	50.0000	55
109 2,3,7,8-TCDD (Screen)	320	10.108	10.108	(0.957)	1235	0.50000	0.50
60 3,3'-Dichlorobenzidine	252	10.561	10.561	(0.999)	225579	50.0000	49
61 Benzo(a)anthracene	228	10.561	10.561	(0.999)	957445	50.0000	50
* 81 Chrysene-d12	240	10.566	10.566	(1.000)	644190	40.0000	
62 Chrysene	228	10.596	10.596	(1.003)	973328	50.0000	51
63 bis(2-Ethylhexyl)phthalate	149	10.661	10.661	(1.009)	769155	50.0000	54
64 Di-n-octylphthalate	149	11.402	11.402	(0.932)	946822	50.0000	55
65 Benzo(b)fluoranthene	252	11.772	11.772	(0.962)	712597	50.0000	55
66 Benzo(k)fluoranthene	252	11.808	11.808	(0.965)	761281	50.0000	54
67 Benzo(a)pyrene	252	12.161	12.161	(0.994)	570483	50.0000	56
* 84 Perylene-d12	264	12.231	12.231	(1.000)	469327	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.549	13.549	(1.108)	490150	50.0000	54
69 Dibenz(a,h)anthracene	278	13.584	13.584	(1.111)	520917	50.0000	54
70 Benzo(g,h,i)perylene	276	13.866	13.866	(1.134)	553679	50.0000	52

Data File: x31133.d

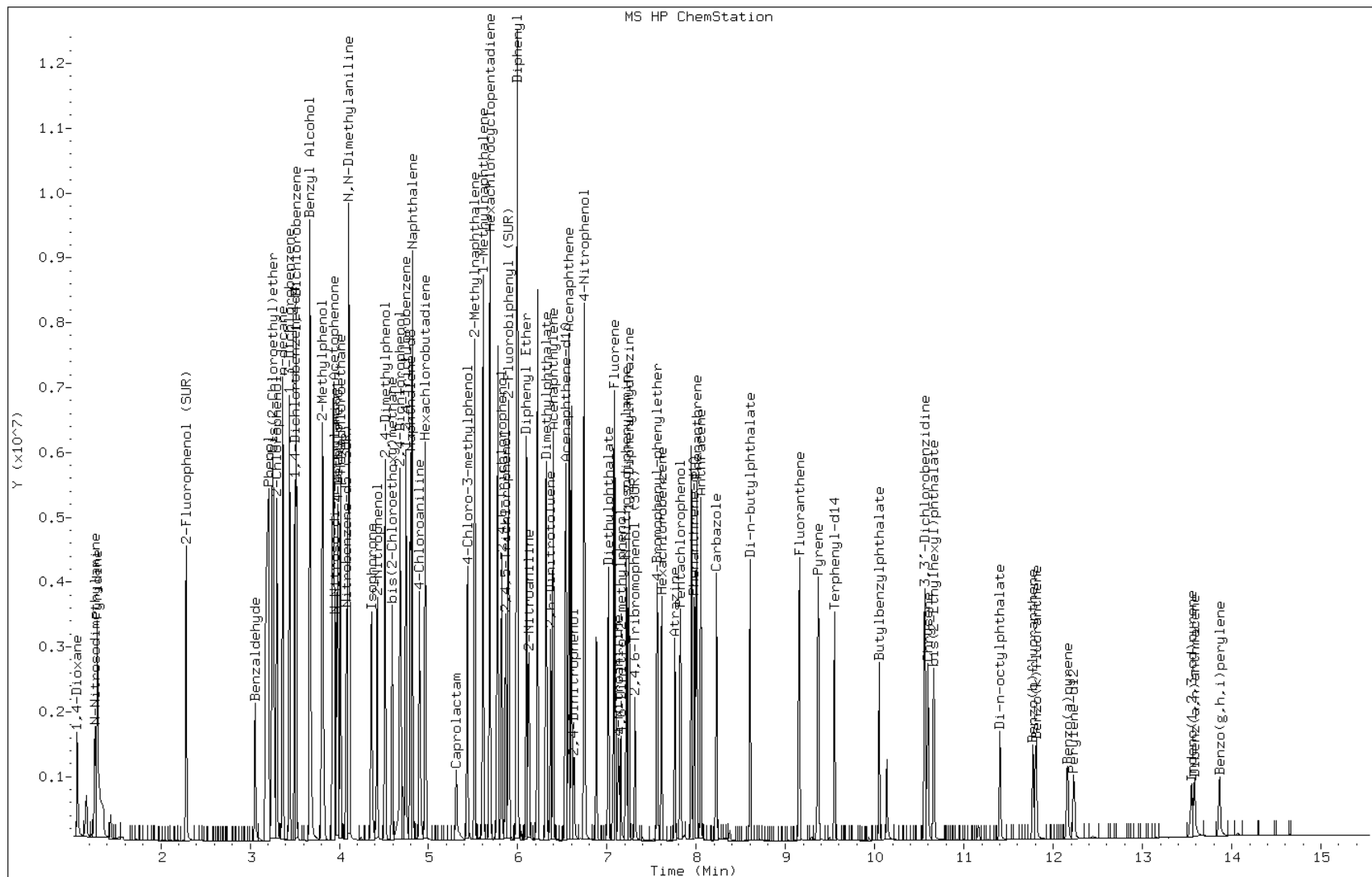
Date: 17-OCT-2012 05:10

Client ID:

Instrument: BNAMS5.i

Sample Info: ICIS-1785657

Operator: BNAMS 4



Data File: /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31134.d
 Report Date: 31-Oct-2012 14:10

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31134.d
 Lab Smp Id: IC-1785661
 Inj Date : 17-OCT-2012 05:47
 Operator : BNAMS 4
 Smp Info : IC-1785661
 Misc Info : 120 ppm bna 4710
 Comment :
 Method : /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/8270Cdel_08.m
 Meth Date : 31-Oct-2012 14:10 croccom Quant Type: ISTD
 Cal Date : 17-OCT-2012 05:10 Cal File: x31133.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: Amt * DF * 1000/Vt/Vo * CpndVariable

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.149	1.149 (0.327)	1240068	120.000	120(AH)		
19 N-Nitrosodimethylamine	74	1.373	1.373 (0.391)	1569089	120.000	120(AH)		
71 Pyridine	79	1.397	1.397 (0.397)	2708984	120.000	120(AH)		
\$ 16 2-Fluorophenol (SUR)	112	2.338	2.338 (0.665)	2555391	120.000	120		
110 Benzaldehyde	77	3.085	3.085 (0.878)	83160	120.000	13		
\$ 17 Phenol-d5 (SUR)	99	3.226	3.226 (0.918)	2764529	120.000	110		
1 Phenol	94	3.238	3.238 (0.921)	2857016	120.000	100		
73 Aniline	93	3.202	3.202 (0.911)	3180563	120.000	120		
20 bis(2-Chloroethyl)ether	93	3.285	3.285 (0.935)	2715797	120.000	120		
2 2-Chlorophenol	128	3.326	3.326 (0.946)	2675691	120.000	110		
113 n-decane	43	3.379	3.379 (0.962)	2876040	120.000	120(A)		
21 1,3-Dichlorobenzene	146	3.461	3.461 (0.985)	3400763	120.000	120		
* 79 1,4-Dichlorobenzene-d4	152	3.514	3.514 (1.000)	713934	40.0000			
22 1,4-Dichlorobenzene	146	3.538	3.538 (1.007)	3365404	120.000	110		
74 Benzyl Alcohol	108	3.696	3.696 (1.052)	1489882	120.000	110		

Data File: /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31134.d
 Report Date: 31-Oct-2012 14:10

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ug/ml)	ON -COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.685	3.685	(1.049)	3064101	120.000	110
3 2-Methylphenol	108	3.832	3.832	(1.090)	1993494	120.000	100
24 bis (2-chloroisopropyl) ether	45	3.820	3.820	(1.087)	2749949	120.000	110
104 Acetophenone	105	3.955	3.955	(1.126)	3042260	120.000	110
4 4-Methylphenol	108	4.002	4.002	(1.139)	1930183	120.000	100
121 3 & 4 Methylphenol	108	4.002	4.002	(1.139)	1930183	120.000	100
25 N-Nitroso-di-n-propylamine	70	3.979	3.979	(1.132)	1573047	120.000	120(M)
26 Hexachloroethane	117	4.020	4.020	(1.144)	1225913	120.000	110
\$ 76 Nitrobenzene-d5 (SUR)	82	4.096	4.096	(0.853)	2604156	120.000	120(A)
107 N,N-Dimethylaniline	120	4.126	4.126	(1.174)	3666636	120.000	110
27 Nitrobenzene	77	4.126	4.126	(0.859)	3068901	120.000	110
28 Isophorone	82	4.373	4.373	(0.911)	3641784	120.000	120
5 2-Nitrophenol	139	4.432	4.432	(0.923)	1426067	120.000	120(A)
6 2,4-Dimethylphenol	122	4.526	4.526	(0.942)	1880173	120.000	110
29 bis(2-Chloroethoxy)methane	93	4.602	4.602	(0.958)	2405427	120.000	120
7 2,4-Dichlorophenol	162	4.696	4.696	(0.978)	1658051	120.000	110
30 1,2,4-Trichlorobenzene	180	4.755	4.755	(0.990)	2219480	120.000	120
* 80 Naphthalene-d8	136	4.802	4.802	(1.000)	2415568	40.0000	
31 Naphthalene	128	4.826	4.826	(1.005)	6930564	120.000	110
32 4-Chloroaniline	127	4.908	4.908	(1.022)	2135784	120.000	110
33 Hexachlorobutadiene	225	4.967	4.967	(1.034)	1312559	120.000	120
111 Caprolactam	113	5.349	5.349	(1.114)	420707	120.000	120(A)
8 4-Chloro-3-methylphenol	107	5.443	5.443	(1.133)	1396920	120.000	100
34 2-Methylnaphthalene	142	5.520	5.520	(1.149)	4064076	120.000	110
120 1-Methylnaphthalene	142	5.620	5.620	(1.170)	4182891	120.000	110
35 Hexachlorocyclopentadiene	237	5.690	5.690	(0.870)	1192357	120.000	140(A)
9 2,4,6-Trichlorophenol	196	5.826	5.826	(0.890)	1023769	120.000	120(A)
10 2,4,5-Trichlorophenol	196	5.873	5.873	(0.898)	990789	120.000	120
\$ 77 2-Fluorobiphenyl (SUR)	172	5.902	5.902	(0.902)	4034529	120.000	120(A)
102 Diphenyl	154	5.996	5.996	(0.916)	4253502	120.000	120
36 2-Chloronaphthalene	162	6.002	6.002	(0.917)	3231633	120.000	120
103 Diphenyl Ether	170	6.102	6.102	(0.933)	2341786	120.000	120(A)
37 2-Nitroaniline	65	6.132	6.132	(0.937)	759629	120.000	120
38 Dimethylphthalate	163	6.332	6.332	(0.968)	2923426	120.000	120
114 Coumarin	146	6.326	6.326	(1.317)	1016671	120.000	110
40 2,6-Dinitrotoluene	165	6.379	6.379	(0.975)	703592	120.000	120(A)
39 Acenaphthylene	152	6.408	6.408	(0.979)	4757146	120.000	120
41 3-Nitroaniline	138	6.537	6.537	(0.999)	652962	120.000	120
* 82 Acenaphthene-d10	164	6.543	6.543	(1.000)	891916	40.0000	
42 Acenaphthene	154	6.579	6.579	(1.005)	2817942	120.000	120
11 2,4-Dinitrophenol	184	6.637	6.637	(1.014)	365162	120.000	140(A)
12 4-Nitrophenol	65	6.749	6.749	(1.031)	420821	120.000	120(A)
44 2,4-Dinitrotoluene	165	6.761	6.761	(1.033)	798812	120.000	120
43 Dibenzofuran	168	6.749	6.749	(1.031)	3866219	120.000	120
45 Diethylphthalate	149	7.020	7.020	(1.073)	2717896	120.000	120
46 4-Chlorophenyl-phenylether	204	7.096	7.096	(1.085)	1475451	120.000	120
47 Fluorene	166	7.079	7.079	(1.082)	3036561	120.000	120

Data File: /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31134.d
 Report Date: 31-Oct-2012 14:10

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	7.143	7.143	(1.092)	493586	120.000	120
13 4,6-Dinitro-2-methylphenol	198	7.161	7.161	(0.897)	437131	120.000	130(A)
49 N-Nitrosodiphenylamine	169	7.220	7.220	(0.904)	1816111	120.000	120(A)
75 1,2-Diphenylhydrazine	77	7.249	7.249	(0.908)	3508168	120.000	130(A)
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.320	7.320	(1.119)	323399	120.000	120
50 4-Bromophenyl-phenylether	248	7.567	7.567	(0.948)	720163	120.000	120(A)
51 Hexachlorobenzene	284	7.620	7.620	(0.954)	666741	120.000	120
112 Atrazine	200	7.767	7.767	(0.973)	586340	120.000	120(A)
14 Pentachlorophenol	266	7.826	7.826	(0.980)	398350	120.000	130(A)
* 83 Phenanthrene-d10	188	7.984	7.984	(1.000)	976652	40.0000	
52 Phenanthrene	178	8.008	8.008	(1.003)	3172534	120.000	120
53 Anthracene	178	8.055	8.055	(1.009)	3206475	120.000	120
54 Carbazole	167	8.231	8.231	(1.031)	2428635	120.000	120
55 Di-n-butylphthalate	149	8.608	8.608	(1.078)	3393427	120.000	130(A)
56 Fluoranthene	202	9.155	9.155	(1.147)	2500911	120.000	120
58 Benzidine	184	9.343	9.343	(1.170)	15803	120.000	17
57 Pyrene	202	9.373	9.373	(0.886)	2429138	120.000	120
\$ 78 Terphenyl-d14	244	9.555	9.555	(0.904)	1639415	120.000	120(A)
59 Butylbenzylphthalate	149	10.055	10.055	(0.951)	1010513	120.000	140(A)
60 3,3'-Dichlorobenzidine	252	10.561	10.561	(0.999)	363136	120.000	110(A)
61 Benzo(a)anthracene	228	10.561	10.561	(0.999)	1645009	120.000	120(A)
* 81 Chrysene-d12	240	10.572	10.572	(1.000)	452012	40.0000	
62 Chrysene	228	10.602	10.602	(1.003)	1642143	120.000	120(A)
63 bis(2-Ethylhexyl)phthalate	149	10.661	10.661	(1.008)	1362496	120.000	140(A)
64 Di-n-octylphthalate	149	11.402	11.402	(0.932)	1864767	120.000	140(A)
65 Benzo(b)fluoranthene	252	11.778	11.778	(0.963)	1258359	120.000	130(A)
66 Benzo(k)fluoranthene	252	11.814	11.814	(0.966)	1472394	120.000	130(A)
67 Benzo(a)pyrene	252	12.166	12.166	(0.995)	1087517	120.000	140(A)
* 84 Perylene-d12	264	12.231	12.231	(1.000)	361225	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.555	13.555	(1.108)	1015267	120.000	140(A)
69 Dibenz(a,h)anthracene	278	13.590	13.590	(1.111)	1063292	120.000	140(A)
70 Benzo(g,h,i)perylene	276	13.872	13.872	(1.134)	1100421	120.000	130(A)

QC Flag Legend

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

Data File: x31134.d

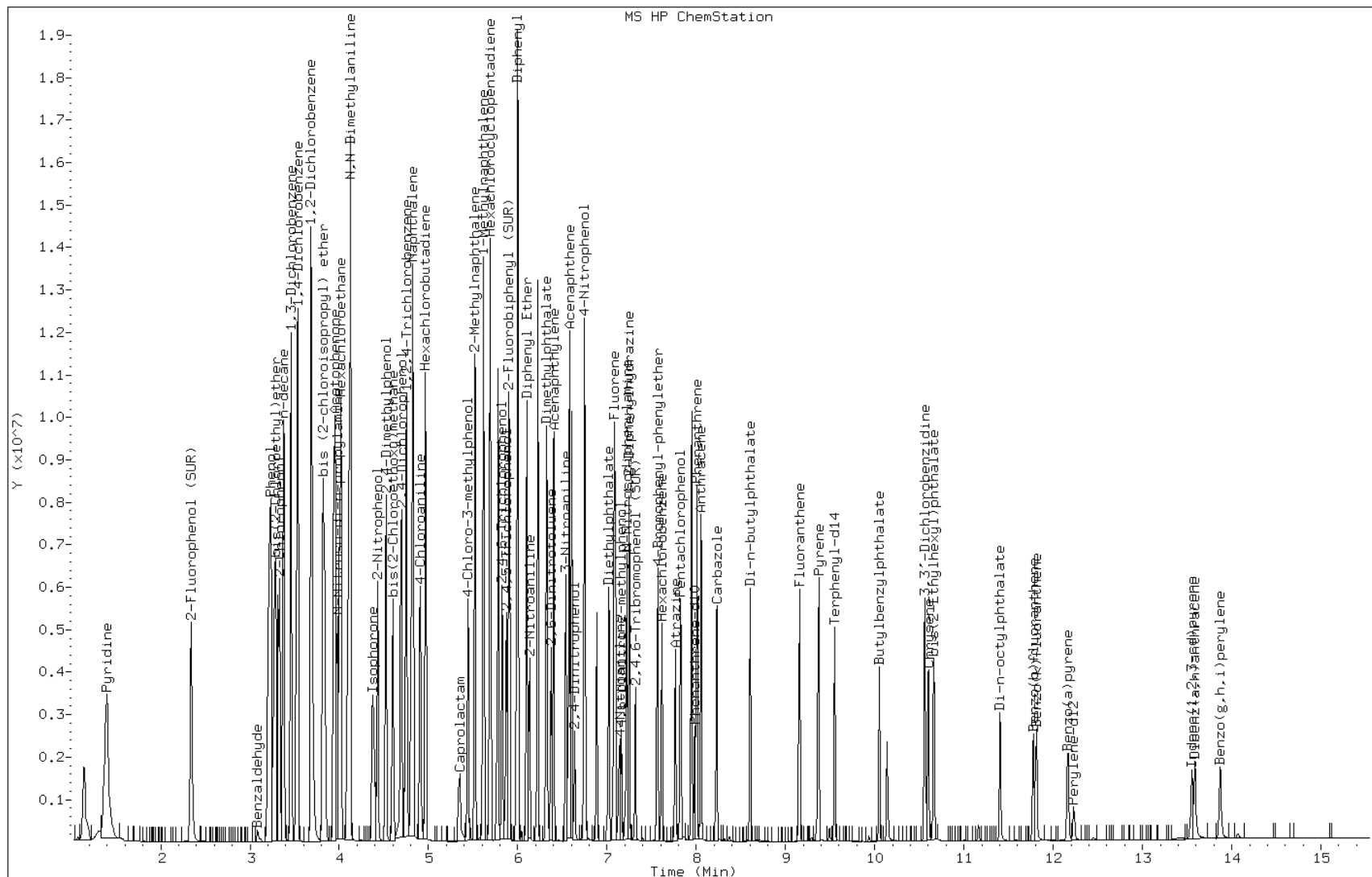
Date: 17-OCT-2012 05:47

Client ID:

Instrument: BNAMS5.i

Sample Info: IC-1785661

Operator: BNAMS 4

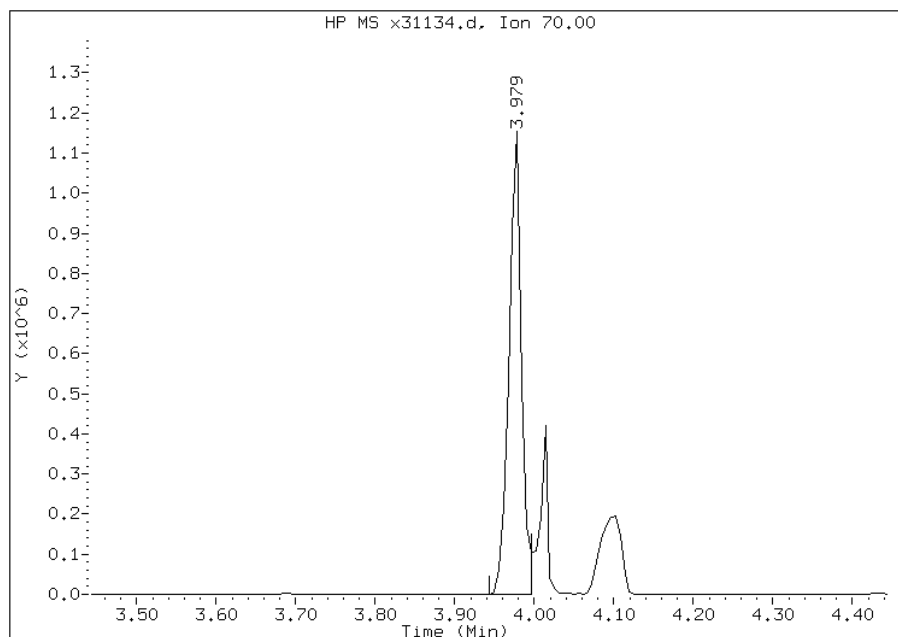


Manual Integration Report

Data File: x31134.d
Inj. Date and Time: 17-OCT-2012 05:47
Instrument ID: BNAMS5.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 10/31/2012

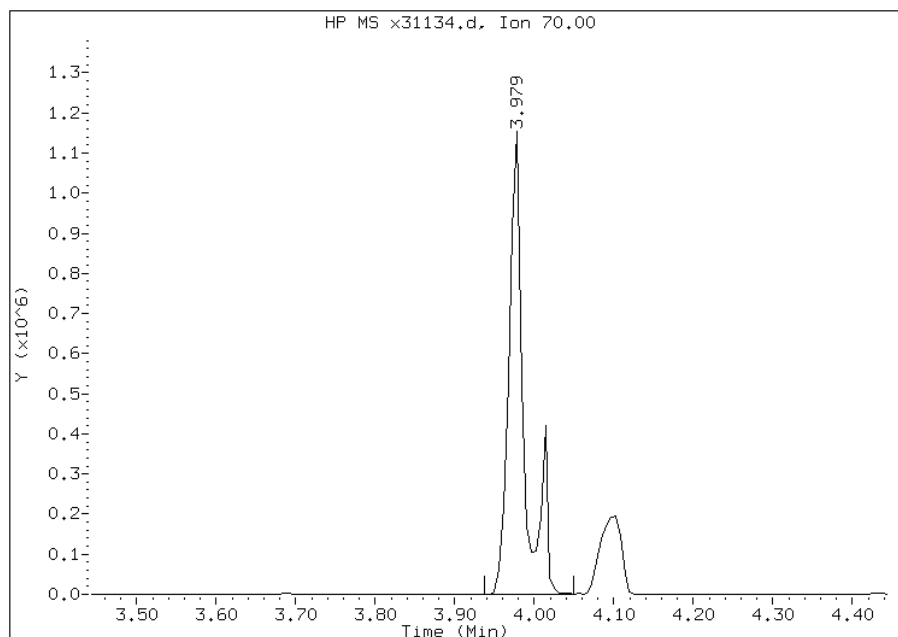
Processing Integration Results

RT: 3.98
Response: 1295854
Amount: 100
Conc: 100



Manual Integration Results

RT: 3.98
Response: 1573047
Amount: 117
Conc: 117



Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Data File: /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31135.d
 Report Date: 31-Oct-2012 14:10

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31135.d
 Lab Smp Id: IC-1785662
 Inj Date : 17-OCT-2012 06:09
 Operator : BNAMS 4
 Smp Info : IC-1785662
 Misc Info : 80 ppm bna 4710
 Comment :
 Method : /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/8270Cdel_08.m
 Meth Date : 31-Oct-2012 14:10 croccom Quant Type: ISTD
 Cal Date : 17-OCT-2012 05:10 Cal File: x31133.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: Amt * DF * 1000*Vt/Vo * CpndVariable

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane		88	1.108	1.108	(0.315)	878616	80.0000	78(H)
19 N-Nitrosodimethylamine		74	1.344	1.344	(0.382)	1128091	80.0000	80(MH)
71 Pyridine		79	1.367	1.367	(0.389)	1994532	80.0000	83(MH)
\$ 16 2-Fluorophenol (SUR)		112	2.326	2.326	(0.662)	2035101	80.0000	84
110 Benzaldehyde		77	3.073	3.073	(0.874)	154183	80.0000	22
\$ 17 Phenol-d5 (SUR)		99	3.214	3.214	(0.915)	2229813	80.0000	80
1 Phenol		94	3.226	3.226	(0.918)	2274890	80.0000	75
73 Aniline		93	3.196	3.196	(0.910)	2425030	80.0000	80
20 bis(2-Chloroethyl)ether		93	3.273	3.273	(0.931)	1958111	80.0000	76
2 2-Chlorophenol		128	3.320	3.320	(0.945)	2082353	80.0000	75
113 n-decane		43	3.379	3.379	(0.962)	2047414	80.0000	78
21 1,3-Dichlorobenzene		146	3.455	3.455	(0.983)	2506365	80.0000	77
* 79 1,4-Dichlorobenzene-d4		152	3.514	3.514	(1.000)	789505	40.0000	
22 1,4-Dichlorobenzene		146	3.532	3.532	(1.005)	2508211	80.0000	77
74 Benzyl Alcohol		108	3.690	3.690	(1.050)	1155512	80.0000	78

Data File: /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31135.d
 Report Date: 31-Oct-2012 14:10

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ug/ml)	ON -COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.685	3.685	(1.049)	2264976	80.0000	76
3 2-Methylphenol	108	3.832	3.832	(1.090)	1586676	80.0000	75
24 bis (2-chloroisopropyl) ether	45	3.814	3.814	(1.085)	2086409	80.0000	77
104 Acetophenone	105	3.949	3.949	(1.124)	2331003	80.0000	76
4 4-Methylphenol	108	3.996	3.996	(1.137)	1540285	80.0000	73
121 3 & 4 Methylphenol	108	3.996	3.996	(1.137)	1540285	80.0000	73
25 N-Nitroso-di-n-propylamine	70	3.973	3.973	(1.131)	1102897	80.0000	74
26 Hexachloroethane	117	4.020	4.020	(1.144)	946635	80.0000	78
\$ 76 Nitrobenzene-d5 (SUR)	82	4.096	4.096	(0.853)	1931279	80.0000	79
107 N,N-Dimethylaniline	120	4.120	4.120	(1.172)	2820104	80.0000	77
27 Nitrobenzene	77	4.120	4.120	(0.858)	2483135	80.0000	76
28 Isophorone	82	4.373	4.373	(0.911)	2864002	80.0000	81
5 2-Nitrophenol	139	4.432	4.432	(0.923)	1086068	80.0000	82
6 2,4-Dimethylphenol	122	4.526	4.526	(0.942)	1517986	80.0000	77
29 bis(2-Chloroethoxy)methane	93	4.602	4.602	(0.958)	1871616	80.0000	80
7 2,4-Dichlorophenol	162	4.690	4.690	(0.977)	1340147	80.0000	77
30 1,2,4-Trichlorobenzene	180	4.755	4.755	(0.990)	1677356	80.0000	78
* 80 Naphthalene-d8	136	4.802	4.802	(1.000)	2750042	40.0000	
31 Naphthalene	128	4.826	4.826	(1.005)	5332698	80.0000	77
32 4-Chloroaniline	127	4.908	4.908	(1.022)	1682247	80.0000	78
33 Hexachlorobutadiene	225	4.967	4.967	(1.034)	975640	80.0000	78
111 Caprolactam	113	5.337	5.337	(1.111)	334968	80.0000	87
8 4-Chloro-3-methylphenol	107	5.443	5.443	(1.133)	1173860	80.0000	78
34 2-Methylnaphthalene	142	5.520	5.520	(1.149)	3173924	80.0000	77
120 1-Methylnaphthalene	142	5.620	5.620	(1.170)	3237231	80.0000	76
35 Hexachlorocyclopentadiene	237	5.690	5.690	(0.870)	869233	80.0000	83
9 2,4,6-Trichlorophenol	196	5.826	5.826	(0.890)	813273	80.0000	78
10 2,4,5-Trichlorophenol	196	5.867	5.867	(0.897)	831942	80.0000	79
\$ 77 2-Fluorobiphenyl (SUR)	172	5.902	5.902	(0.902)	3071219	80.0000	77
102 Diphenyl	154	5.996	5.996	(0.916)	3429531	80.0000	77
36 2-Chloronaphthalene	162	6.002	6.002	(0.917)	2546696	80.0000	76
103 Diphenyl Ether	170	6.102	6.102	(0.933)	1858338	80.0000	78
37 2-Nitroaniline	65	6.126	6.126	(0.936)	617954	80.0000	80
38 Dimethylphthalate	163	6.326	6.326	(0.967)	2392453	80.0000	78
114 Coumarin	146	6.320	6.320	(1.316)	790310	80.0000	76
40 2,6-Dinitrotoluene	165	6.373	6.373	(0.974)	565127	80.0000	82
39 Acenaphthylene	152	6.402	6.402	(0.978)	3840025	80.0000	77
41 3-Nitroaniline	138	6.537	6.537	(0.999)	522267	80.0000	78
* 82 Acenaphthene-d10	164	6.543	6.543	(1.000)	1091381	40.0000	
42 Acenaphthene	154	6.578	6.578	(1.005)	2285806	80.0000	78
11 2,4-Dinitrophenol	184	6.631	6.631	(1.013)	297509	80.0000	95
12 4-Nitrophenol	65	6.749	6.749	(1.031)	339534	80.0000	80
44 2,4-Dinitrotoluene	165	6.761	6.761	(1.033)	629395	80.0000	77
43 Dibenzofuran	168	6.749	6.749	(1.031)	3169477	80.0000	77
45 Diethylphthalate	149	7.020	7.020	(1.073)	2216526	80.0000	79
46 4-Chlorophenyl-phenylether	204	7.096	7.096	(1.084)	1182527	80.0000	77
47 Fluorene	166	7.078	7.078	(1.082)	2413630	80.0000	77

Data File: /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31135.d
 Report Date: 31-Oct-2012 14:10

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	7.137	7.137	(1.091)	389935	80.0000	76
13 4,6-Dinitro-2-methylphenol	198	7.155	7.155	(0.897)	343311	80.0000	86
49 N-Nitrosodiphenylamine	169	7.220	7.220	(0.905)	1465435	80.0000	81
75 1,2-Diphenylhydrazine	77	7.249	7.249	(0.909)	2702764	80.0000	83
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.320	7.320	(1.119)	277610	80.0000	83
50 4-Bromophenyl-phenylether	248	7.567	7.567	(0.948)	571587	80.0000	80
51 Hexachlorobenzene	284	7.614	7.614	(0.954)	546555	80.0000	78
112 Atrazine	200	7.767	7.767	(0.973)	469156	80.0000	81
14 Pentachlorophenol	266	7.820	7.820	(0.980)	315080	80.0000	84
* 83 Phenanthrene-d10	188	7.978	7.978	(1.000)	1194994	40.0000	
52 Phenanthrene	178	8.008	8.008	(1.004)	2564755	80.0000	77
53 Anthracene	178	8.055	8.055	(1.010)	2596778	80.0000	78
54 Carbazole	167	8.225	8.225	(1.031)	2006772	80.0000	78
55 Di-n-butylphthalate	149	8.602	8.602	(1.078)	2671671	80.0000	82
56 Fluoranthene	202	9.155	9.155	(1.147)	2035860	80.0000	79
58 Benzidine	184	9.337	9.337	(1.170)	18016	80.0000	16
57 Pyrene	202	9.367	9.367	(0.886)	2041098	80.0000	79
\$ 78 Terphenyl-d14	244	9.549	9.549	(0.904)	1298868	80.0000	77
59 Butylbenzylphthalate	149	10.049	10.049	(0.951)	827310	80.0000	88
60 3,3'-Dichlorobenzidine	252	10.555	10.555	(0.999)	312934	80.0000	76
61 Benzo(a)anthracene	228	10.555	10.555	(0.999)	1338349	80.0000	79
* 81 Chrysene-d12	240	10.566	10.566	(1.000)	572500	40.0000	
62 Chrysene	228	10.596	10.596	(1.003)	1358582	80.0000	80
63 bis(2-Ethylhexyl)phthalate	149	10.661	10.661	(1.009)	1106199	80.0000	87
64 Di-n-octylphthalate	149	11.402	11.402	(0.933)	1537346	80.0000	95
65 Benzo(b)fluoranthene	252	11.772	11.772	(0.963)	1087440	80.0000	89
66 Benzo(k)fluoranthene	252	11.808	11.808	(0.966)	1100002	80.0000	82
67 Benzo(a)pyrene	252	12.161	12.161	(0.995)	859399	80.0000	90
* 84 Perylene-d12	264	12.225	12.225	(1.000)	443249	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.549	13.549	(1.108)	813715	80.0000	94
69 Dibenz(a,h)anthracene	278	13.584	13.584	(1.111)	858321	80.0000	95
70 Benzo(g,h,i)perylene	276	13.866	13.866	(1.134)	857182	80.0000	86

QC Flag Legend

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

Data File: x31135.d

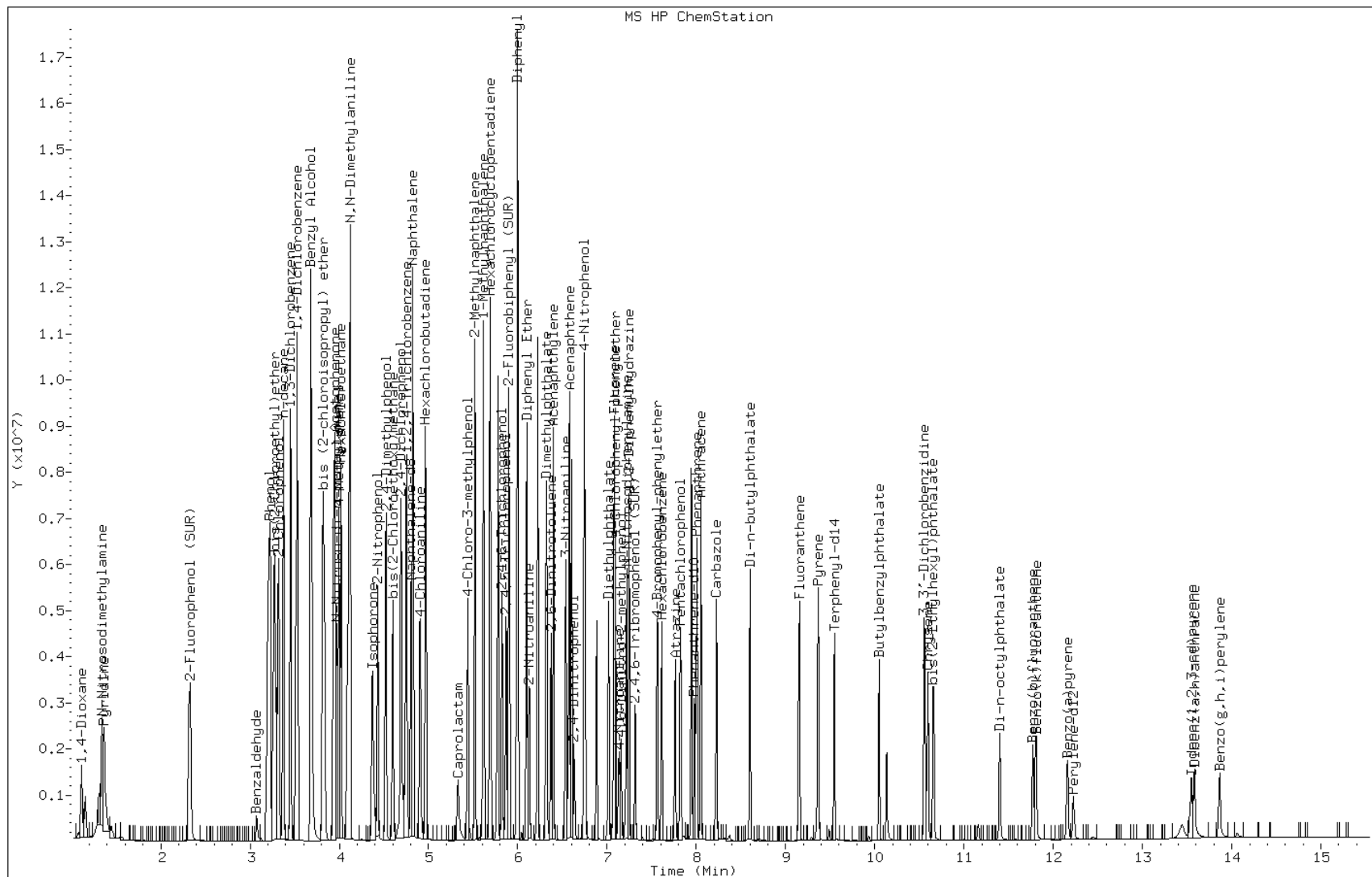
Date: 17-OCT-2012 06:09

Client ID:

Instrument: BNAMS5.i

Sample Info: IC-1785662

Operator: BNAMS 4

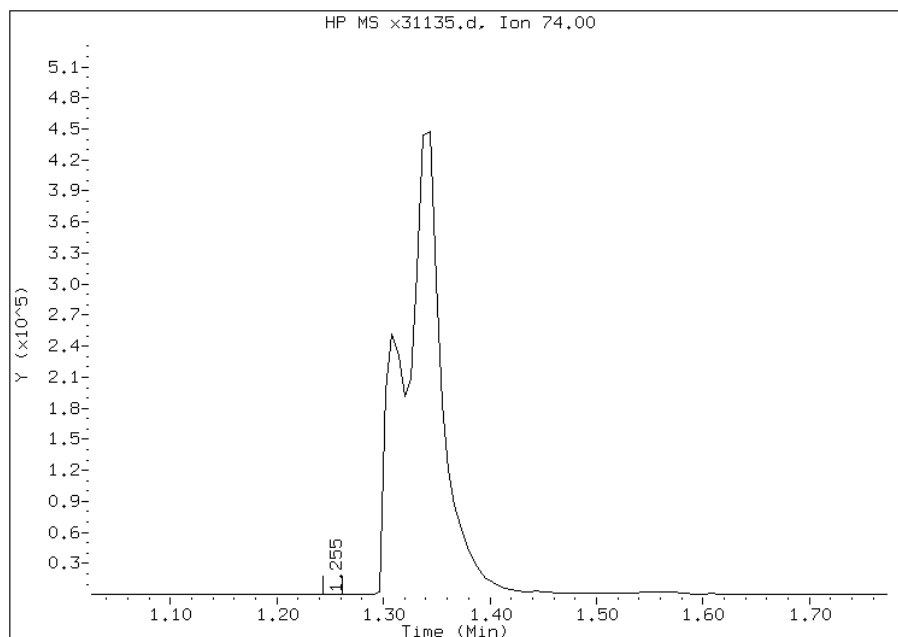


Manual Integration Report

Data File: x31135.d
Inj. Date and Time: 17-OCT-2012 06:09
Instrument ID: BNAMS5.i
Client ID:
Compound: 19 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 10/31/2012

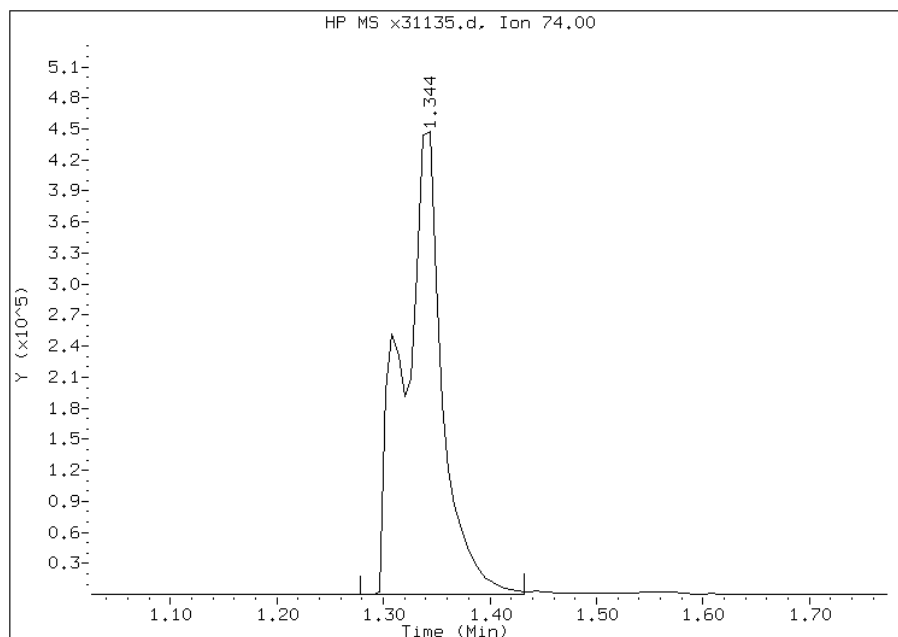
Processing Integration Results

RT: 1.26
Response: 88
Amount: 0
Conc: 0



Manual Integration Results

RT: 1.34
Response: 1128091
Amount: 80
Conc: 80



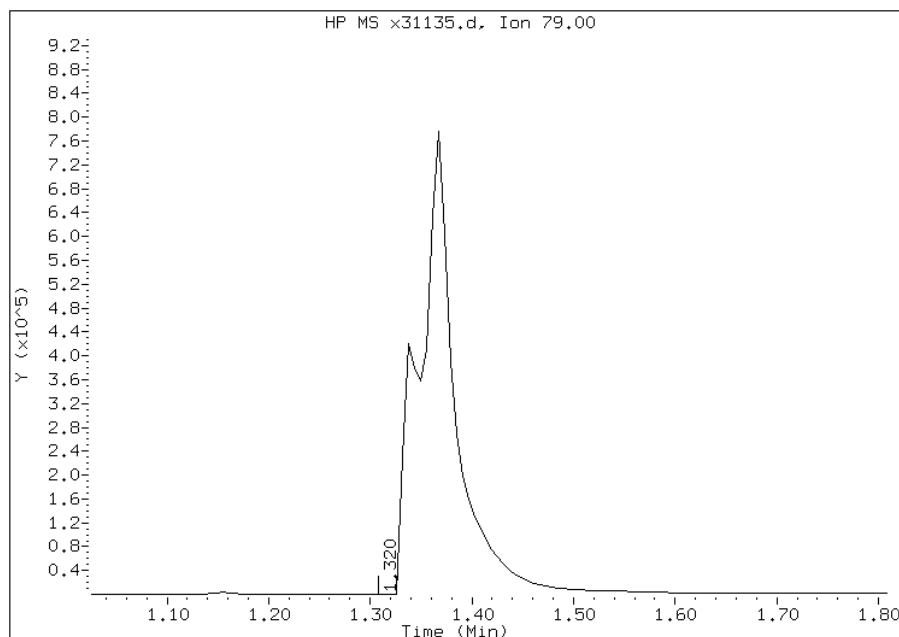
Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: x31135.d
Inj. Date and Time: 17-OCT-2012 06:09
Instrument ID: BNAMS5.i
Client ID:
Compound: 71 Pyridine
CAS #: 110-86-1
Report Date: 10/31/2012

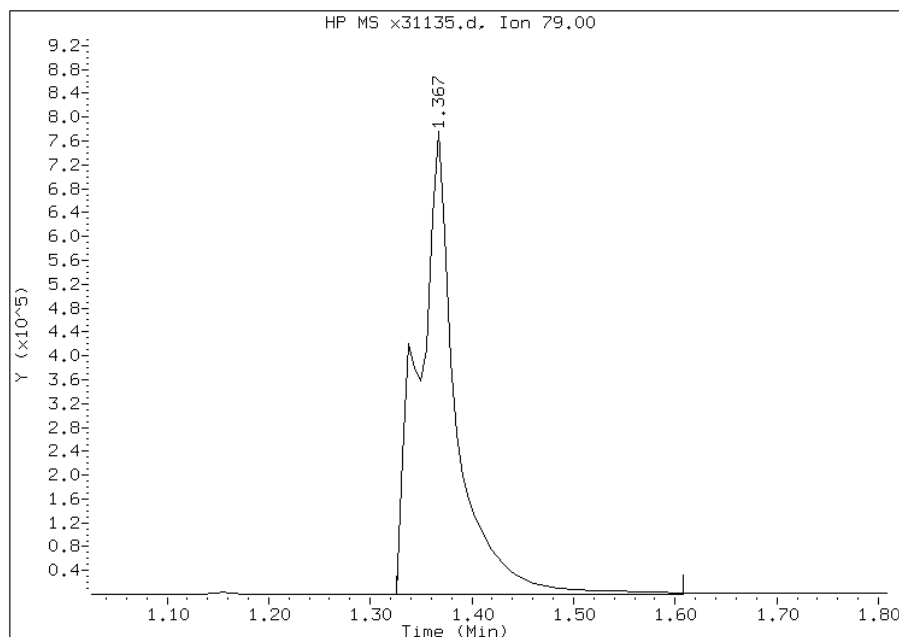
Processing Integration Results

RT: 1.32
Response: 100
Amount: 0
Conc: 0



Manual Integration Results

RT: 1.37
Response: 1994532
Amount: 83
Conc: 83



Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Data File: /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31136.d
 Report Date: 31-Oct-2012 14:10

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31136.d
 Lab Smp Id: IC-1785664
 Inj Date : 17-OCT-2012 06:31
 Operator : BNAMS 4
 Smp Info : IC-1785664
 Misc Info : 20 ppm bna 4710
 Comment :
 Method : /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/8270Cdel_08.m
 Meth Date : 31-Oct-2012 14:10 croccom Quant Type: ISTD
 Cal Date : 17-OCT-2012 05:10 Cal File: x31133.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: Amt * DF * 1000*Vt/Vo * CpndVariable

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	==	=====	=====	=====	=====	=====	
106 1,4-Dioxane	88	1.067	1.067	(0.305)	228812	20.0000	20	
19 N-Nitrosodimethylamine	74	1.255	1.255	(0.358)	282393	20.0000	20	
71 Pyridine	79	1.285	1.285	(0.367)	481672	20.0000	20	
\$ 16 2-Fluorophenol (SUR)	112	2.279	2.279	(0.651)	511830	20.0000	21	
110 Benzaldehyde	77	3.055	3.055	(0.872)	174930	20.0000	24	
\$ 17 Phenol-d5 (SUR)	99	3.179	3.179	(0.908)	595081	20.0000	21	
1 Phenol	94	3.196	3.196	(0.913)	671255	20.0000	22	
73 Aniline	93	3.173	3.173	(0.906)	614849	20.0000	20	
20 bis(2-Chloroethyl)ether	93	3.249	3.249	(0.928)	504980	20.0000	19	
2 2-Chlorophenol	128	3.296	3.296	(0.941)	601147	20.0000	21	
113 n-decane	43	3.367	3.367	(0.961)	532675	20.0000	20	
21 1,3-Dichlorobenzene	146	3.443	3.443	(0.983)	678277	20.0000	20	
* 79 1,4-Dichlorobenzene-d4	152	3.502	3.502	(1.000)	808041	40.0000		
22 1,4-Dichlorobenzene	146	3.514	3.514	(1.003)	675459	20.0000	20	
74 Benzyl Alcohol	108	3.673	3.673	(1.049)	325092	20.0000	21	

Data File: /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31136.d
 Report Date: 31-Oct-2012 14:10

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ug/ml)	ON -COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.673	3.673	(1.049)	633017	20.0000	21
3 2-Methylphenol	108	3.808	3.808	(1.087)	467346	20.0000	22
24 bis (2-chloroisopropyl) ether	45	3.802	3.802	(1.086)	570307	20.0000	21
104 Acetophenone	105	3.932	3.932	(1.123)	675904	20.0000	21
4 4-Methylphenol	108	3.973	3.973	(1.134)	471094	20.0000	22
121 3 & 4 Methylphenol	108	3.973	3.973	(1.134)	471094	20.0000	22
25 N-Nitroso-di-n-propylamine	70	3.943	3.943	(1.126)	334344	20.0000	22
26 Hexachloroethane	117	4.014	4.014	(1.146)	261359	20.0000	21
\$ 76 Nitrobenzene-d5 (SUR)	82	4.073	4.073	(0.849)	524232	20.0000	20
107 N,N-Dimethylaniline	120	4.102	4.102	(1.171)	805978	20.0000	22
27 Nitrobenzene	77	4.096	4.096	(0.854)	725556	20.0000	20
28 Isophorone	82	4.349	4.349	(0.907)	760823	20.0000	20
5 2-Nitrophenol	139	4.420	4.420	(0.922)	290177	20.0000	20
6 2,4-Dimethylphenol	122	4.508	4.508	(0.940)	446798	20.0000	21
29 bis(2-Chloroethoxy)methane	93	4.590	4.590	(0.957)	515643	20.0000	20
7 2,4-Dichlorophenol	162	4.679	4.679	(0.975)	409701	20.0000	22
30 1,2,4-Trichlorobenzene	180	4.749	4.749	(0.990)	472019	20.0000	20
* 80 Naphthalene-d8	136	4.796	4.796	(1.000)	2984026	40.0000	
31 Naphthalene	128	4.814	4.814	(1.004)	1566631	20.0000	21
32 4-Chloroaniline	127	4.896	4.896	(1.021)	477548	20.0000	20
33 Hexachlorobutadiene	225	4.967	4.967	(1.036)	267673	20.0000	20
111 Caprolactam	113	5.273	5.273	(1.099)	89200	20.0000	21
8 4-Chloro-3-methylphenol	107	5.426	5.426	(1.131)	342157	20.0000	21
34 2-Methylnaphthalene	142	5.514	5.514	(1.150)	931222	20.0000	21
120 1-Methylnaphthalene	142	5.608	5.608	(1.169)	942878	20.0000	20
35 Hexachlorocyclopentadiene	237	5.684	5.684	(0.870)	221243	20.0000	18
9 2,4,6-Trichlorophenol	196	5.820	5.820	(0.890)	240933	20.0000	20
10 2,4,5-Trichlorophenol	196	5.855	5.855	(0.896)	244570	20.0000	20
\$ 77 2-Fluorobiphenyl (SUR)	172	5.896	5.896	(0.902)	903894	20.0000	20
102 Diphenyl	154	5.984	5.984	(0.915)	1063842	20.0000	21
36 2-Chloronaphthalene	162	5.990	5.990	(0.916)	780125	20.0000	20
103 Diphenyl Ether	170	6.096	6.096	(0.933)	552142	20.0000	20
37 2-Nitroaniline	65	6.114	6.114	(0.935)	188787	20.0000	21
38 Dimethylphthalate	163	6.314	6.314	(0.966)	717644	20.0000	20
114 Coumarin	146	6.308	6.308	(1.315)	232517	20.0000	21
40 2,6-Dinitrotoluene	165	6.361	6.361	(0.973)	163147	20.0000	21
39 Acenaphthylene	152	6.396	6.396	(0.978)	1151433	20.0000	20
41 3-Nitroaniline	138	6.526	6.526	(0.998)	160563	20.0000	21
* 82 Acenaphthene-d10	164	6.537	6.537	(1.000)	1247558	40.0000	
42 Acenaphthene	154	6.567	6.567	(1.004)	688152	20.0000	20
11 2,4-Dinitrophenol	184	6.620	6.620	(1.013)	98257	30.0000	27
12 4-Nitrophenol	65	6.737	6.737	(1.031)	154845	30.0000	32
44 2,4-Dinitrotoluene	165	6.749	6.749	(1.032)	197718	20.0000	21
43 Dibenzofuran	168	6.737	6.737	(1.031)	979428	20.0000	21
45 Diethylphthalate	149	7.008	7.008	(1.072)	670290	20.0000	21
46 4-Chlorophenyl-phenylether	204	7.090	7.090	(1.085)	362980	20.0000	21
47 Fluorene	166	7.073	7.073	(1.082)	736636	20.0000	20

Data File: /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31136.d
 Report Date: 31-Oct-2012 14:10

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	7.120	7.120	(1.089)	129734	20.0000	22
13 4,6-Dinitro-2-methylphenol	198	7.143	7.143	(0.895)	142116	30.0000	29
49 N-Nitrosodiphenylamine	169	7.208	7.208	(0.903)	431818	20.0000	20
75 1,2-Diphenylhydrazine	77	7.243	7.243	(0.908)	812657	20.0000	20
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.308	7.308	(1.118)	76932	20.0000	20
50 4-Bromophenyl-phenylether	248	7.561	7.561	(0.948)	172920	20.0000	20
51 Hexachlorobenzene	284	7.608	7.608	(0.954)	172144	20.0000	20
112 Atrazine	200	7.755	7.755	(0.972)	145258	20.0000	20
14 Pentachlorophenol	266	7.814	7.814	(0.979)	138330	30.0000	30
* 83 Phenanthrene-d10	188	7.978	7.978	(1.000)	1466259	40.0000	
52 Phenanthrene	178	8.002	8.002	(1.003)	822879	20.0000	20
53 Anthracene	178	8.049	8.049	(1.009)	840039	20.0000	21
54 Carbazole	167	8.220	8.220	(1.030)	665190	20.0000	21
55 Di-n-butylphthalate	149	8.602	8.602	(1.078)	818123	20.0000	20
56 Fluoranthene	202	9.149	9.149	(1.147)	662878	20.0000	21
58 Benzidine	184	9.308	9.308	(1.167)	126128	30.0000	88
57 Pyrene	202	9.361	9.361	(0.886)	650109	20.0000	20
\$ 78 Terphenyl-d14	244	9.543	9.543	(0.904)	413094	20.0000	20
59 Butylbenzylphthalate	149	10.043	10.043	(0.951)	232201	20.0000	20
60 3,3'-Dichlorobenzidine	252	10.555	10.555	(0.999)	167677	30.0000	33
61 Benzo(a)anthracene	228	10.549	10.549	(0.999)	413395	20.0000	20
* 81 Chrysene-d12	240	10.561	10.561	(1.000)	704386	40.0000	
62 Chrysene	228	10.590	10.590	(1.003)	417673	20.0000	20
63 bis(2-Ethylhexyl)phthalate	149	10.655	10.655	(1.009)	315357	20.0000	20
64 Di-n-octylphthalate	149	11.396	11.396	(0.932)	375113	20.0000	20
65 Benzo(b)fluoranthene	252	11.766	11.766	(0.962)	274469	20.0000	20
66 Benzo(k)fluoranthene	252	11.796	11.796	(0.965)	336074	20.0000	22
67 Benzo(a)pyrene	252	12.149	12.149	(0.994)	223744	20.0000	20
* 84 Perylene-d12	264	12.225	12.225	(1.000)	506884	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.537	13.537	(1.107)	196972	20.0000	20
69 Dibenz(a,h)anthracene	278	13.578	13.578	(1.111)	196174	20.0000	19
70 Benzo(g,h,i)perylene	276	13.855	13.855	(1.133)	223798	20.0000	20

Data File: x31136.d

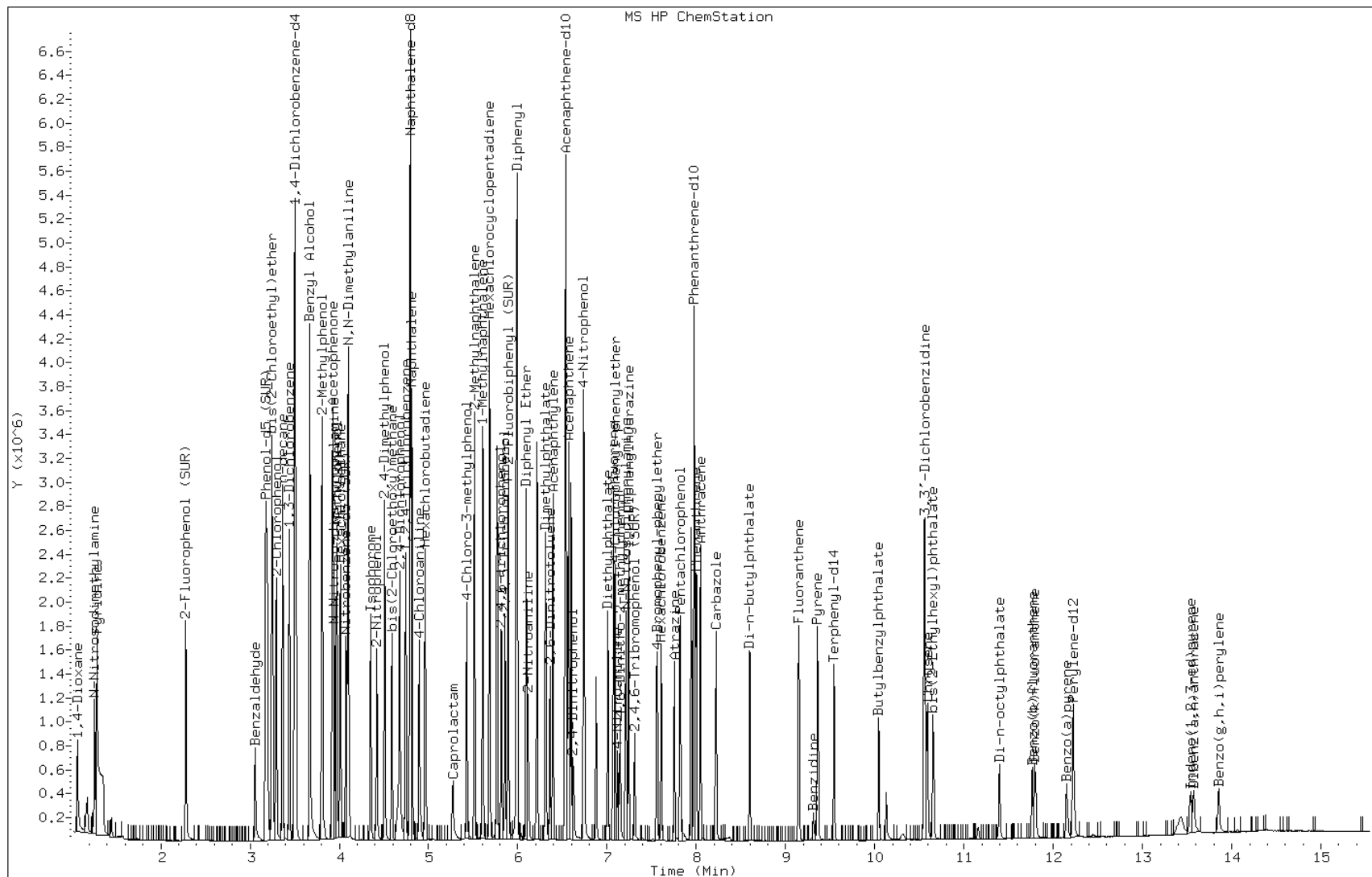
Date: 17-OCT-2012 06:31

Client ID:

Instrument: BNAMS5.i

Sample Info: IC-1785664

Operator: BNAMS 4



Data File: /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31138.d
 Report Date: 31-Oct-2012 14:10

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31138.d
 Lab Smp Id: IC-1785701
 Inj Date : 17-OCT-2012 07:15
 Operator : BNAMS 4
 Smp Info : IC-1785701
 Misc Info : 5 ppm bna 4710
 Comment :
 Method : /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/8270Cdel_08.m
 Meth Date : 31-Oct-2012 14:10 croccom Quant Type: ISTD
 Cal Date : 17-OCT-2012 05:10 Cal File: x31133.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: Amt * DF * 1000*Vt/Vo * CpndVariable

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.085	1.085 (0.310)	65026	5.00000	5.2		
19 N-Nitrosodimethylamine	74	1.273	1.273 (0.364)	75222	5.00000	4.8(aH)		
71 Pyridine	79	1.309	1.309 (0.374)	127238	5.00000	4.7(aH)		
\$ 16 2-Fluorophenol (SUR)	112	2.285	2.285 (0.652)	129043	5.00000	4.8(a)		
110 Benzaldehyde	77	3.055	3.055 (0.872)	85835	5.00000	11		
\$ 17 Phenol-d5 (SUR)	99	3.173	3.173 (0.906)	165915	5.00000	5.3		
1 Phenol	94	3.185	3.185 (0.909)	193393	5.00000	5.7		
73 Aniline	93	3.173	3.173 (0.906)	166454	5.00000	4.9(a)		
20 bis(2-Chloroethyl)ether	93	3.244	3.244 (0.926)	16601	0.50000	0.58		
2 2-Chlorophenol	128	3.291	3.291 (0.940)	168326	5.00000	5.4		
113 n-decane	43	3.361	3.361 (0.960)	156413	5.00000	5.3		
21 1,3-Dichlorobenzene	146	3.438	3.438 (0.982)	196505	5.00000	5.4		
* 79 1,4-Dichlorobenzene-d4	152	3.502	3.502 (1.000)	879920	40.0000			
22 1,4-Dichlorobenzene	146	3.514	3.514 (1.003)	196426	5.00000	5.4		
74 Benzyl Alcohol	108	3.667	3.667 (1.047)	83326	5.00000	5.0		

Data File: /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31138.d
 Report Date: 31-Oct-2012 14:10

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.673	3.673	(1.049)	182389	5.00000	5.5
3 2-Methylphenol	108	3.802	3.802	(1.086)	131525	5.00000	5.6
24 bis (2-chloroisopropyl) ether	45	3.802	3.802	(1.086)	161288	5.00000	5.4
104 Acetophenone	105	3.926	3.926	(1.121)	181482	5.00000	5.3
4 4-Methylphenol	108	3.967	3.967	(1.133)	131509	5.00000	5.6
121 3 & 4 Methylphenol	108	3.967	3.967	(1.133)	131509	5.00000	5.6
25 N-Nitroso-di-n-propylamine	70	3.944	3.944	(1.126)	7798	0.50000	0.47(a)
26 Hexachloroethane	117	4.014	4.014	(1.146)	6880	0.50000	0.51
\$ 76 Nitrobenzene-d5 (SUR)	82	4.073	4.073	(0.849)	143259	5.00000	4.8(a)
107 N,N-Dimethylaniline	120	4.102	4.102	(1.171)	21376	0.50000	0.52
27 Nitrobenzene	77	4.091	4.091	(0.853)	22662	0.50000	0.57
28 Isophorone	82	4.344	4.344	(0.906)	209167	5.00000	4.9(a)
5 2-Nitrophenol	139	4.420	4.420	(0.922)	70224	5.00000	4.4(a)
6 2,4-Dimethylphenol	122	4.502	4.502	(0.939)	128879	5.00000	5.4
29 bis(2-Chloroethoxy)methane	93	4.585	4.585	(0.956)	143652	5.00000	5.0
7 2,4-Dichlorophenol	162	4.679	4.679	(0.975)	109794	5.00000	5.2
30 1,2,4-Trichlorobenzene	180	4.744	4.744	(0.989)	13803	0.50000	0.53
* 80 Naphthalene-d8	136	4.797	4.797	(1.000)	3335382	40.0000	
31 Naphthalene	128	4.814	4.814	(1.004)	451314	5.00000	5.4
32 4-Chloroaniline	127	4.897	4.897	(1.021)	131966	5.00000	5.1
33 Hexachlorobutadiene	225	4.961	4.961	(1.034)	15969	1.00000	1.0
111 Caprolactam	113	5.249	5.249	(1.094)	14536	5.00000	3.1(a)
8 4-Chloro-3-methylphenol	107	5.420	5.420	(1.130)	96321	5.00000	5.3
34 2-Methylnaphthalene	142	5.514	5.514	(1.150)	265715	5.00000	5.3
120 1-Methylnaphthalene	142	5.608	5.608	(1.169)	286271	5.00000	5.5(a)
35 Hexachlorocyclopentadiene	237	5.685	5.685	(0.870)	66803	5.00000	4.8(a)
9 2,4,6-Trichlorophenol	196	5.814	5.814	(0.889)	67143	5.00000	4.9(a)
10 2,4,5-Trichlorophenol	196	5.855	5.855	(0.896)	70318	5.00000	5.1
\$ 77 2-Fluorobiphenyl (SUR)	172	5.891	5.891	(0.901)	269105	5.00000	5.1
102 Diphenyl	154	5.985	5.985	(0.915)	303502	5.00000	5.2
36 2-Chloronaphthalene	162	5.991	5.991	(0.916)	233398	5.00000	5.3
103 Diphenyl Ether	170	6.091	6.091	(0.932)	157788	5.00000	5.0
37 2-Nitroaniline	65	6.114	6.114	(0.935)	96967	10.0000	9.5(a)
38 Dimethylphthalate	163	6.314	6.314	(0.966)	203922	5.00000	5.1
114 Coumarin	146	6.302	6.302	(1.314)	63716	5.00000	5.1
40 2,6-Dinitrotoluene	165	6.355	6.355	(0.972)	7326	1.00000	0.81(a)
39 Acenaphthylene	152	6.391	6.391	(0.978)	347796	5.00000	5.3
41 3-Nitroaniline	138	6.520	6.520	(0.997)	85423	10.0000	9.7(a)
* 82 Acenaphthene-d10	164	6.538	6.538	(1.000)	1439344	40.0000	
42 Acenaphthene	154	6.567	6.567	(1.004)	204876	5.00000	5.3
11 2,4-Dinitrophenol	184	6.620	6.620	(1.013)	35608	15.0000	8.6(a)
12 4-Nitrophenol	65	6.732	6.732	(1.030)	71496	15.0000	13(a)
44 2,4-Dinitrotoluene	165	6.749	6.749	(1.032)	10335	1.00000	0.96(a)
43 Dibenzofuran	168	6.738	6.738	(1.031)	281071	5.00000	5.2
45 Diethylphthalate	149	7.008	7.008	(1.072)	178559	5.00000	4.8(a)
46 4-Chlorophenyl-phenylether	204	7.090	7.090	(1.085)	106893	5.00000	5.2
47 Fluorene	166	7.073	7.073	(1.082)	210248	5.00000	5.1

Data File: /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31138.d
 Report Date: 31-Oct-2012 14:10

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	7.114	7.114	(1.088)	64549	10.0000	9.6(a)
13 4,6-Dinitro-2-methylphenol	198	7.143	7.143	(0.895)	65564	15.0000	12(a)
49 N-Nitrosodiphenylamine	169	7.208	7.208	(0.903)	118073	5.00000	4.8(a)
75 1,2-Diphenylhydrazine	77	7.238	7.238	(0.907)	188591	5.00000	4.2(a)
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.308	7.308	(1.118)	20896	5.00000	4.8(a)
50 4-Bromophenyl-phenylether	248	7.561	7.561	(0.948)	47776	5.00000	4.9(a)
51 Hexachlorobenzene	284	7.608	7.608	(0.954)	5151	0.50000	0.53
112 Atrazine	200	7.755	7.755	(0.972)	35652	5.00000	4.5(a)
14 Pentachlorophenol	266	7.814	7.814	(0.979)	65437	15.0000	13(a)
* 83 Phenanthrene-d10	188	7.979	7.979	(1.000)	1646095	40.0000	
52 Phenanthrene	178	7.996	7.996	(1.002)	237941	5.00000	5.2
53 Anthracene	178	8.043	8.043	(1.008)	228541	5.00000	5.0
54 Carbazole	167	8.220	8.220	(1.030)	175949	5.00000	5.0
55 Di-n-butylphthalate	149	8.596	8.596	(1.077)	185026	5.00000	4.1(a)
56 Fluoranthene	202	9.149	9.149	(1.147)	168115	5.00000	4.7(a)
58 Benzidine	184	9.314	9.314	(1.167)	22773	10.0000	14
57 Pyrene	202	9.361	9.361	(0.886)	165464	5.00000	4.8(a)
\$ 78 Terphenyl-d14	244	9.543	9.543	(0.904)	109495	5.00000	4.9(a)
59 Butylbenzylphthalate	149	10.043	10.043	(0.951)	43295	5.00000	3.4(a)
60 3,3'-Dichlorobenzidine	252	10.555	10.555	(0.999)	55108	10.0000	10
61 Benzo(a)anthracene	228	10.549	10.549	(0.999)	11289	0.50000	0.50
* 81 Chrysene-d12	240	10.561	10.561	(1.000)	763296	40.0000	
62 Chrysene	228	10.584	10.584	(1.002)	108387	5.00000	4.8(a)
63 bis(2-Ethylhexyl)phthalate	149	10.655	10.655	(1.009)	58957	5.00000	3.5(a)
64 Di-n-octylphthalate	149	11.396	11.396	(0.932)	51797	5.00000	2.6(a)
65 Benzo(b)fluoranthene	252	11.767	11.767	(0.962)	5467	0.50000	0.36(a)
66 Benzo(k)fluoranthene	252	11.796	11.796	(0.965)	5628	0.50000	0.34(a)
67 Benzo(a)pyrene	252	12.155	12.155	(0.994)	3311	0.50000	0.28(a)
* 84 Perylene-d12	264	12.225	12.225	(1.000)	548758	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.543	13.543	(1.108)	2930	0.50000	0.27(a)
69 Dibenz(a,h)anthracene	278	13.578	13.578	(1.111)	3138	0.50000	0.28(a)
70 Benzo(g,h,i)perylene	276	13.855	13.855	(1.133)	48876	5.00000	3.9(a)

QC Flag Legend

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

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Lab Sample ID: CCVIS 460-134248/2 Calibration Date: 10/31/2012 14:53

Instrument ID: BNAMS5 Calib Start Date: 10/17/2012 05:10

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 10/17/2012 07:15

Lab File ID: x31502.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5702	0.5852	0.0500	51300	50000	2.6	25.0
N-Nitrosodimethylamine	Ave	0.7139	0.6943	0.0500	48600	50000	-2.8	25.0
Pyridine	Ave	1.218	1.250	0.0500	51300	50000	2.6	25.0
Benzaldehyde	Ave	0.3592	0.5080	0.0500	70700	50000	41.4*	25.0
Aniline	Ave	1.531	1.528	0.0500	49900	50000	-0.2	25.0
Phenol	Ave	1.534	1.240	0.0500	40400	50000	-19.1	25.0
Bis(2-chloroethyl)ether	Ave	1.307	1.127	0.0500	43100	50000	-13.7	25.0
2-Chlorophenol	Ave	1.406	1.306	0.0500	46500	50000	-7.1	25.0
n-Decane	Ave	1.332	1.344	0.0500	50500	50000	0.9	25.0
1,3-Dichlorobenzene	Ave	1.650	1.633	0.0500	49500	50000	-1.0	25.0
1,4-Dichlorobenzene	Ave	1.650	1.603	0.0500	48600	50000	-2.9	25.0
1,2-Dichlorobenzene	Ave	1.513	1.461	0.0500	48300	50000	-3.4	25.0
Benzyl alcohol	Ave	0.7551	0.6619	0.0500	43800	50000	-12.3	25.0
2,2'-oxybis[1-chloropropane]	Ave	1.368	1.238	0.0500	45200	50000	-9.6	25.0
2-Methylphenol	Ave	1.076	0.9419	0.0500	43800	50000	-12.4	25.0
Acetophenone	Ave	1.560	1.383	0.0500	44400	50000	-11.3	25.0
N-Nitrosodi-n-propylamine	Ave	0.7529	0.6906	0.0500	45900	50000	-8.3	25.0
3 & 4 Methylphenol	Ave	1.068	0.9084	0.0500	42500	50000	-14.9	25.0
4-Methylphenol	Ave	1.068	0.9084	0.0500	42500	50000	-14.9	25.0
Hexachloroethane	Ave	0.6112	0.6167	0.0500	50500	50000	0.9	25.0
Nitrobenzene	Ave	0.4751	0.4780	0.0500	50300	50000	0.6	25.0
n,n'-Dimethylaniline	Ave	1.854	1.724	0.0500	46500	50000	-7.0	25.0
Isophorone	Ave	0.5124	0.4855	0.0500	47400	50000	-5.2	25.0
2-Nitrophenol	Ave	0.1918	0.2000	0.0500	52100	50000	4.3	25.0
2,4-Dimethylphenol	Ave	0.2876	0.2727	0.0500	47400	50000	-5.2	25.0
Bis(2-chloroethoxy)methane	Ave	0.3412	0.3302	0.0500	48400	50000	-3.2	25.0
2,4-Dichlorophenol	Ave	0.2540	0.2492	0.0500	49100	50000	-1.9	25.0
1,2,4-Trichlorobenzene	Ave	0.3136	0.3230	0.0500	51500	50000	3.0	25.0
Naphthalene	Ave	1.011	1.011	0.0500	50000	50000	-0.0	25.0
4-Chloroaniline	Ave	0.3127	0.3330	0.0500	53200	50000	6.5	25.0
Hexachlorobutadiene	Ave	0.1816	0.1864	0.0500	51300	50000	2.6	25.0
Caprolactam	Ave	0.0559	0.0545	0.0500	48800	50000	-2.5	25.0
4-Chloro-3-methylphenol	Ave	0.2191	0.2058	0.0500	47000	50000	-6.1	25.0
2-Methylnaphthalene	Ave	0.6014	0.5864	0.0500	48800	50000	-2.5	25.0
1-Methylnaphthalene	Ave	0.6195	0.5950	0.0500	48000	50000	-4.0	25.0
Hexachlorocyclopentadiene	Ave	0.3839	0.3857	0.0500	50200	50000	0.5	25.0
2,4,6-Trichlorophenol	Ave	0.3806	0.3757	0.0500	49300	50000	-1.3	25.0
2,4,5-Trichlorophenol	Ave	0.3843	0.3748	0.0500	48800	50000	-2.5	25.0
1,1'-Biphenyl	Ave	1.629	1.681	0.0500	51600	50000	3.2	25.0
2-Chloronaphthalene	Ave	1.221	1.250	0.0500	51200	50000	2.4	25.0
Phenyl ether	Ave	0.8690	0.8797	0.0500	50600	50000	1.2	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Lab Sample ID: CCVIS 460-134248/2 Calibration Date: 10/31/2012 14:53

Instrument ID: BNAMS5 Calib Start Date: 10/17/2012 05:10

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 10/17/2012 07:15

Lab File ID: x31502.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Nitroaniline	Ave	0.2843	0.2834	0.0500	49800	50000	-0.3	25.0
Coumarin	Ave	0.1504	0.1357	0.0500	45100	50000	-9.8	25.0
Dimethyl phthalate	Ave	1.120	1.117	0.0500	49900	50000	-0.3	25.0
2,6-Dinitrotoluene	Ave	0.2512	0.2513	0.0500	50000	50000	0.0	25.0
Acenaphthylene	Ave	1.823	1.819	0.0500	49900	50000	-0.2	25.0
3-Nitroaniline	Ave	0.2452	0.2440	0.0500	49800	50000	-0.5	25.0
Acenaphthene	Ave	1.080	1.090	0.0500	50500	50000	1.0	25.0
2,4-Dinitrophenol	Ave	0.1150	0.0962	0.0500	41800	50000	-16.4	25.0
4-Nitrophenol	Ave	0.1557	0.1516	0.0500	48700	50000	-2.6	25.0
Dibenzofuran	Ave	1.506	1.525	0.0500	50600	50000	1.3	25.0
2,4-Dinitrotoluene	Ave	0.2998	0.2924	0.0500	48800	50000	-2.5	25.0
Diethyl phthalate	Ave	1.029	1.021	0.0500	49600	50000	-0.8	25.0
Fluorene	Ave	1.151	1.136	0.0500	49300	50000	-1.3	25.0
4-Chlorophenyl phenyl ether	Ave	0.5648	0.5518	0.0500	48800	50000	-2.3	25.0
4-Nitroaniline	Ave	0.1878	0.1983	0.0500	52800	50000	5.6	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1340	0.1202	0.0500	44800	50000	-10.3	25.0
N-Nitrosodiphenylamine	Ave	0.6031	0.5892	0.0500	48800	50000	-2.3	25.0
1,2-Diphenylhydrazine	Ave	1.092	1.083	0.0500	49600	50000	-0.8	25.0
4-Bromophenyl phenyl ether	Ave	0.2388	0.2303	0.0500	48200	50000	-3.5	25.0
Hexachlorobenzene	Ave	0.2355	0.2195	0.0500	46600	50000	-6.8	25.0
Atrazine	Ave	0.1934	0.1841	0.0500	47600	50000	-4.9	25.0
Pentachlorophenol	Ave	0.1260	0.1204	0.0500	47800	50000	-4.5	25.0
Phenanthrene	Ave	1.108	1.108	0.0500	50000	50000	0.0	25.0
Anthracene	Ave	1.112	1.100	0.0500	49500	50000	-1.1	25.0
Carbazole	Ave	0.8585	0.8698	0.0500	50700	50000	1.3	25.0
Di-n-butyl phthalate	Ave	1.089	1.093	0.0500	50200	50000	0.3	25.0
Fluoranthene	Ave	0.8608	0.8652	0.0500	50300	50000	0.5	25.0
Benzidine	Ave	0.0389	0.0693	0.0500	89100	50000	78.1*	25.0
Pyrene	Ave	1.813	1.598	0.0500	44100	50000	-11.9	25.0
Butyl benzyl phthalate	Ave	0.6606	0.6368	0.0500	48200	50000	-3.6	25.0
2,3,7,8-TCDD	Ave	0.1534	0.1408	0.0500	459	500	-8.2	25.0
Benzo[a]anthracene	Ave	1.186	1.163	0.0500	49100	50000	-1.9	25.0
3,3'-Dichlorobenzidine	Ave	0.2855	0.3238	0.0500	56700	50000	13.4	25.0
Chrysene	Ave	1.186	1.200	0.0500	50600	50000	1.3	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.8879	0.8523	0.0500	48000	50000	-4.0	25.0
Di-n-octyl phthalate	Ave	1.461	1.396	0.0500	47800	50000	-4.4	25.0
Benzo[b]fluoranthene	Ave	1.097	1.128	0.0500	51400	50000	2.9	25.0
Benzo[k]fluoranthene	Ave	1.209	1.317	0.0500	54500	50000	9.0	25.0
Benzo[a]pyrene	Ave	0.8622	0.9573	0.0500	55500	50000	11.0	25.0
Indeno[1,2,3-cd]pyrene	Ave	0.7789	0.8344	0.0500	53600	50000	7.1	25.0
Dibenz(a,h)anthracene	Ave	0.8138	0.8758	0.0500	53800	50000	7.6	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Lab Sample ID: CCVIS 460-134248/2 Calibration Date: 10/31/2012 14:53
Instrument ID: BNAMS5 Calib Start Date: 10/17/2012 05:10
GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 10/17/2012 07:15
Lab File ID: x31502.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	0.9043	0.999	0.0500	55200	50000	10.5	25.0
2-Fluorophenol (Surr)	Ave	1.230	1.113	0.0500	45300	50000	-9.5	25.0
Phenol-d5 (Surr)	Ave	1.413	1.199	0.0500	42500	50000	-15.1	25.0
Nitrobenzene-d5 (Surr)	Ave	0.3540	0.3583	0.0500	50600	50000	1.2	25.0
2-Fluorobiphenyl	Ave	1.454	1.493	0.0500	51300	50000	2.6	25.0
2,4,6-Tribromophenol (Surr)	Ave	0.1219	0.1068	0.0500	43800	50000	-12.4	25.0
Terphenyl-d14 (Surr)	Ave	1.178	1.044	0.0500	44300	50000	-11.4	25.0

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31502.d
 Report Date: 31-Oct-2012 14:29

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31502.d
 Lab Smp Id: CCVIS-1785657
 Inj Date : 31-OCT-2012 14:53
 Operator : BNAMS 4
 Smp Info : CCVIS-1785657
 Misc Info : 50ppm bna4710
 Comment :
 Method : /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/8270Cdel_08.m
 Meth Date : 31-Oct-2012 14:29 croccom Quant Type: ISTD
 Cal Date : 31-OCT-2012 14:53 Cal File: x31502.d
 Als bottle: 2 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd1

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	==	=====	=====	=====	=====	=====	
106 1,4-Dioxane	88	0.940	0.940	(0.283)	498309	50.0000	51	
19 N-Nitrosodimethylamine	74	1.128	1.128	(0.340)	591170	50.0000	49	
71 Pyridine	79	1.146	1.146	(0.345)	1064360	50.0000	51	
\$ 16 2-Fluorophenol (SUR)	112	2.122	2.122	(0.639)	947989	50.0000	45	
110 Benzaldehyde	77	2.875	2.875	(0.865)	432573	50.0000	71	
\$ 17 Phenol-d5 (SUR)	99	3.010	3.010	(0.906)	1021358	50.0000	42	
1 Phenol	94	3.028	3.028	(0.911)	1055934	50.0000	40	
73 Aniline	93	2.993	2.993	(0.901)	1301069	50.0000	50	
20 bis(2-Chloroethyl)ether	93	3.075	3.075	(0.926)	959648	50.0000	43	
2 2-Chlorophenol	128	3.116	3.116	(0.938)	1112491	50.0000	46	
113 n-decane	43	3.193	3.193	(0.961)	1144358	50.0000	50	
21 1,3-Dichlorobenzene	146	3.263	3.263	(0.982)	1390681	50.0000	49	
* 79 1,4-Dichlorobenzene-d4	152	3.322	3.322	(1.000)	681221	40.0000		
22 1,4-Dichlorobenzene	146	3.340	3.340	(1.005)	1365071	50.0000	48	
74 Benzyl Alcohol	108	3.499	3.499	(1.053)	563633	50.0000	44	

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31502.d
 Report Date: 31-Oct-2012 14:29

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.493	3.493	(1.051)	1243720	50.0000	48
3 2-Methylphenol	108	3.640	3.640	(1.096)	802079	50.0000	44
24 bis (2-chloroisopropyl) ether	45	3.634	3.634	(1.094)	1053881	50.0000	45
104 Acetophenone	105	3.757	3.757	(1.131)	1178049	50.0000	44
4 4-Methylphenol	108	3.804	3.804	(1.145)	773552	50.0000	42
121 3 & 4 Methylphenol	108	3.804	3.804	(1.145)	773552	50.0000	42
25 N-Nitroso-di-n-propylamine	70	3.775	3.775	(1.136)	588098	50.0000	46
26 Hexachloroethane	117	3.834	3.834	(1.154)	525156	50.0000	50
\$ 76 Nitrobenzene-d5 (SUR)	82	3.904	3.904	(0.845)	972608	50.0000	51
107 N,N-Dimethylaniline	120	3.934	3.934	(1.184)	1468251	50.0000	46
27 Nitrobenzene	77	3.928	3.928	(0.850)	1297610	50.0000	50
28 Isophorone	82	4.175	4.175	(0.903)	1317882	50.0000	47
5 2-Nitrophenol	139	4.246	4.246	(0.919)	542788	50.0000	52
6 2,4-Dimethylphenol	122	4.340	4.340	(0.939)	740316	50.0000	47
29 bis(2-Chloroethoxy)methane	93	4.422	4.422	(0.957)	896199	50.0000	48
7 2,4-Dichlorophenol	162	4.504	4.504	(0.975)	676426	50.0000	49
30 1,2,4-Trichlorobenzene	180	4.575	4.575	(0.990)	876698	50.0000	51
* 80 Naphthalene-d8	136	4.622	4.622	(1.000)	2171539	40.0000	
31 Naphthalene	128	4.640	4.640	(1.004)	2743570	50.0000	50
32 4-Chloroaniline	127	4.722	4.722	(1.022)	903924	50.0000	53
33 Hexachlorobutadiene	225	4.793	4.793	(1.037)	505867	50.0000	51
111 Caprolactam	113	5.098	5.098	(1.103)	147941	50.0000	49
8 4-Chloro-3-methylphenol	107	5.257	5.257	(1.137)	558684	50.0000	47
34 2-Methylnaphthalene	142	5.340	5.340	(1.155)	1591804	50.0000	49
120 1-Methylnaphthalene	142	5.434	5.434	(1.176)	1614993	50.0000	48
35 Hexachlorocyclopentadiene	237	5.510	5.510	(0.867)	390260	50.0000	50
9 2,4,6-Trichlorophenol	196	5.645	5.645	(0.888)	380057	50.0000	49
10 2,4,5-Trichlorophenol	196	5.681	5.681	(0.894)	379176	50.0000	49
\$ 77 2-Fluorobiphenyl (SUR)	172	5.722	5.722	(0.900)	1510160	50.0000	51
102 Diphenyl	154	5.816	5.816	(0.915)	1700436	50.0000	52
36 2-Chloronaphthalene	162	5.816	5.816	(0.915)	1264600	50.0000	51
103 Diphenyl Ether	170	5.922	5.922	(0.932)	890011	50.0000	51
37 2-Nitroaniline	65	5.945	5.945	(0.935)	286711	50.0000	50
38 Dimethylphthalate	163	6.145	6.145	(0.967)	1129621	50.0000	50
114 Coumarin	146	6.128	6.128	(1.326)	368291	50.0000	45
40 2,6-Dinitrotoluene	165	6.192	6.192	(0.974)	254259	50.0000	50
39 Acenaphthylene	152	6.216	6.216	(0.978)	1840128	50.0000	50
41 3-Nitroaniline	138	6.351	6.351	(0.999)	246827	50.0000	50
* 82 Acenaphthene-d10	164	6.357	6.357	(1.000)	809382	40.0000	
42 Acenaphthene	154	6.392	6.392	(1.006)	1102826	50.0000	50
11 2,4-Dinitrophenol	184	6.451	6.451	(1.015)	97296	50.0000	42
12 4-Nitrophenol	65	6.563	6.563	(1.032)	153396	50.0000	49
44 2,4-Dinitrotoluene	165	6.575	6.575	(1.034)	295807	50.0000	49
43 Dibenzofuran	168	6.563	6.563	(1.032)	1543192	50.0000	51
45 Diethylphthalate	149	6.840	6.840	(1.076)	1033101	50.0000	50
46 4-Chlorophenyl-phenylether	204	6.916	6.916	(1.088)	558291	50.0000	49
47 Fluorene	166	6.892	6.892	(1.084)	1149245	50.0000	49

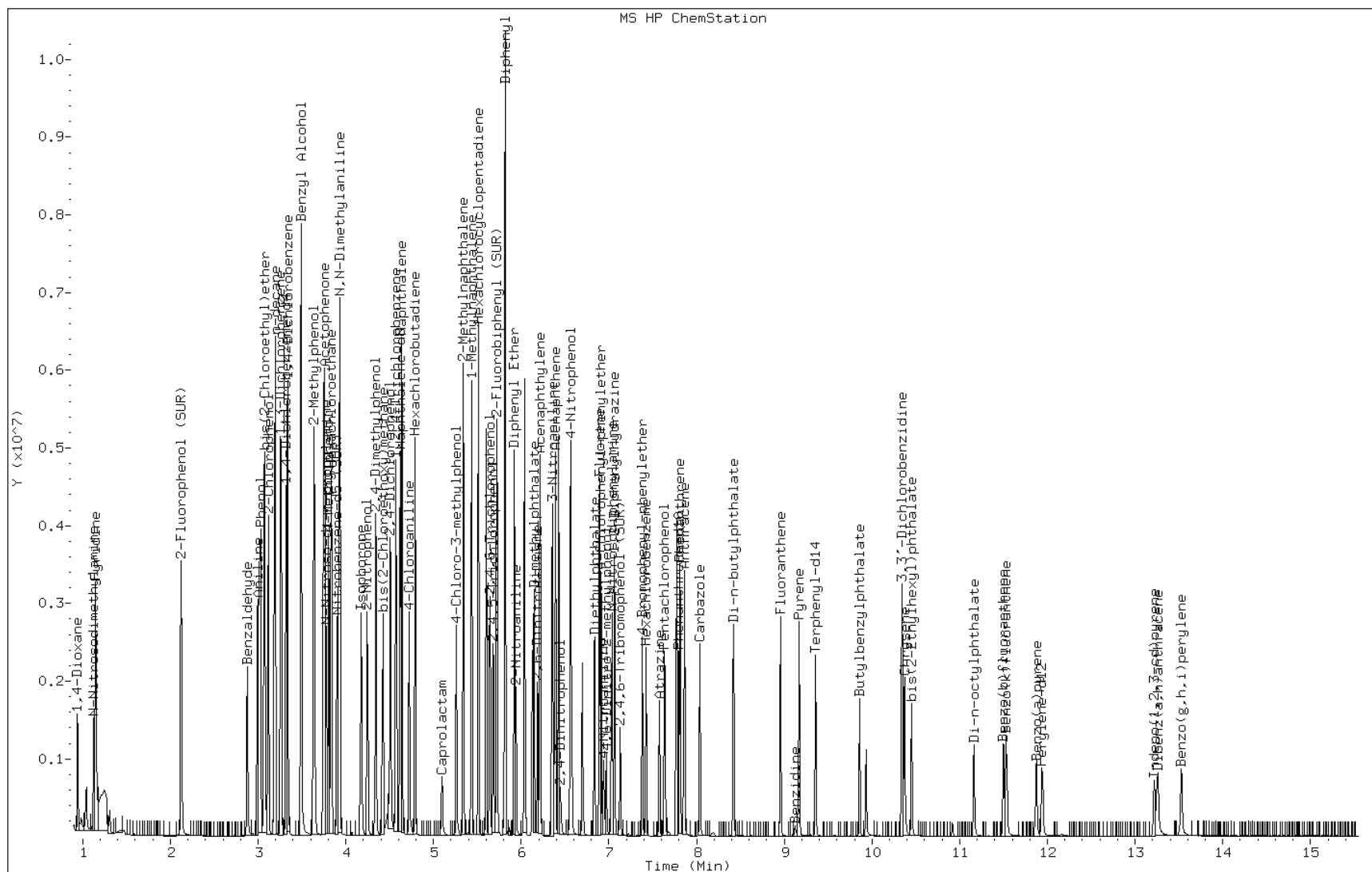
Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31502.d
 Report Date: 31-Oct-2012 14:29

Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====	=====
48 4-Nitroaniline	138		6.945	6.945	(1.093)	200592	50.0000	53
13 4,6-Dinitro-2-methylphenol	198		6.969	6.969	(0.894)	136541	50.0000	45
49 N-Nitrosodiphenylamine	169		7.034	7.034	(0.903)	669435	50.0000	49
75 1,2-Diphenylhydrazine	77		7.063	7.063	(0.906)	1230347	50.0000	50
\$ 18 2,4,6-Tribromophenol (SUR)	330		7.128	7.128	(1.121)	108009	50.0000	44
50 4-Bromophenyl-phenylether	248		7.381	7.381	(0.947)	261707	50.0000	48
51 Hexachlorobenzene	284		7.428	7.428	(0.953)	249349	50.0000	47
112 Atrazine	200		7.581	7.581	(0.973)	209134	50.0000	48
14 Pentachlorophenol	266		7.634	7.634	(0.980)	136837	50.0000	48
* 83 Phenanthrene-d10	188		7.792	7.792	(1.000)	908965	40.0000	
52 Phenanthrene	178		7.810	7.810	(1.002)	1258884	50.0000	50
53 Anthracene	178		7.863	7.863	(1.009)	1249562	50.0000	49
54 Carbazole	167		8.034	8.034	(1.031)	988303	50.0000	51
55 Di-n-butylphthalate	149		8.422	8.422	(1.081)	1241972	50.0000	50
56 Fluoranthene	202		8.957	8.957	(1.149)	983040	50.0000	50
58 Benzidine	184		9.122	9.122	(1.171)	78702	50.0000	89
57 Pyrene	202		9.169	9.169	(0.886)	974939	50.0000	44
\$ 78 Terphenyl-d14	244		9.357	9.357	(0.904)	636827	50.0000	44
59 Butylbenzylphthalate	149		9.857	9.857	(0.952)	388582	50.0000	48
109 2,3,7,8-TCDD (Screen)	320		9.916	9.916	(0.958)	859	0.50000	0.46(a)
60 3,3'-Dichlorobenzidine	252		10.345	10.345	(0.999)	197589	50.0000	57
61 Benzo(a)anthracene	228		10.339	10.339	(0.999)	709816	50.0000	49
* 81 Chrysene-d12	240		10.351	10.351	(1.000)	488185	40.0000	
62 Chrysene	228		10.375	10.375	(1.002)	732567	50.0000	51
63 bis(2-Ethylhexyl)phthalate	149		10.451	10.451	(1.010)	520088	50.0000	48
64 Di-n-octylphthalate	149		11.163	11.163	(0.935)	701188	50.0000	48
65 Benzo(b)fluoranthene	252		11.504	11.504	(0.964)	566456	50.0000	51
66 Benzo(k)fluoranthene	252		11.533	11.533	(0.966)	661457	50.0000	54
67 Benzo(a)pyrene	252		11.874	11.874	(0.995)	480681	50.0000	56
* 84 Perylene-d12	264		11.939	11.939	(1.000)	401693	40.0000	
68 Indeno(1,2,3-cd)pyrene	276		13.221	13.221	(1.107)	418956	50.0000	54
69 Dibenz(a,h)anthracene	278		13.257	13.257	(1.110)	439731	50.0000	54
70 Benzo(g,h,i)perylene	276		13.527	13.527	(1.133)	501707	50.0000	55

QC Flag Legend

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

Operator: BNAMS 4



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Lab Sample ID: CCV 460-134249/1 Calibration Date: 11/01/2012 01:19

Instrument ID: BNAMS5 Calib Start Date: 10/17/2012 05:10

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 10/17/2012 07:15

Lab File ID: x31514.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5702	0.5674	0.0500	49800	50000	-0.5	25.0
N-Nitrosodimethylamine	Ave	0.7139	0.6853	0.0500	48000	50000	-4.0	25.0
Pyridine	Ave	1.218	1.234	0.0500	50700	50000	1.3	25.0
Benzaldehyde	Ave	0.3592	0.5645	0.0500	78600	50000	57.1*	25.0
Aniline	Ave	1.531	1.550	0.0500	50600	50000	1.3	25.0
Phenol	Ave	1.534	1.273	0.0500	41500	50000	-17.0	25.0
Bis(2-chloroethyl)ether	Ave	1.307	1.156	0.0500	44200	50000	-11.5	25.0
2-Chlorophenol	Ave	1.406	1.307	0.0500	46500	50000	-7.0	25.0
n-Decane	Ave	1.332	1.332	0.0500	50000	50000	0.0	25.0
1,3-Dichlorobenzene	Ave	1.650	1.630	0.0500	49400	50000	-1.2	25.0
1,4-Dichlorobenzene	Ave	1.650	1.606	0.0500	48600	50000	-2.7	25.0
1,2-Dichlorobenzene	Ave	1.513	1.477	0.0500	48800	50000	-2.4	25.0
Benzyl alcohol	Ave	0.7551	0.6292	0.0500	41700	50000	-16.7	25.0
2,2'-oxybis[1-chloropropane]	Ave	1.368	1.260	0.0500	46000	50000	-7.9	25.0
2-Methylphenol	Ave	1.076	0.9643	0.0500	44800	50000	-10.4	25.0
Acetophenone	Ave	1.560	1.415	0.0500	45400	50000	-9.3	25.0
N-Nitrosodi-n-propylamine	Ave	0.7529	0.7039	0.0500	46700	50000	-6.5	25.0
3 & 4 Methylphenol	Ave	1.068	0.9278	0.0500	43400	50000	-13.1	25.0
4-Methylphenol	Ave	1.068	0.9278	0.0500	43400	50000	-13.1	25.0
Hexachloroethane	Ave	0.6112	0.6190	0.0500	50600	50000	1.3	25.0
Nitrobenzene	Ave	0.4751	0.4792	0.0500	50400	50000	0.9	25.0
n,n'-Dimethylaniline	Ave	1.854	1.730	0.0500	46700	50000	-6.7	25.0
Isophorone	Ave	0.5124	0.4957	0.0500	48400	50000	-3.3	25.0
2-Nitrophenol	Ave	0.1918	0.1982	0.0500	51700	50000	3.3	25.0
2,4-Dimethylphenol	Ave	0.2876	0.2730	0.0500	47500	50000	-5.1	25.0
Bis(2-chloroethoxy)methane	Ave	0.3412	0.3335	0.0500	48900	50000	-2.3	25.0
2,4-Dichlorophenol	Ave	0.2540	0.2496	0.0500	49100	50000	-1.7	25.0
1,2,4-Trichlorobenzene	Ave	0.3136	0.3196	0.0500	51000	50000	1.9	25.0
Naphthalene	Ave	1.011	1.007	0.0500	49800	50000	-0.4	25.0
4-Chloroaniline	Ave	0.3127	0.3321	0.0500	53100	50000	6.2	25.0
Hexachlorobutadiene	Ave	0.1816	0.1853	0.0500	51000	50000	2.0	25.0
Caprolactam	Ave	0.0559	0.0584	0.0500	52300	50000	4.6	25.0
4-Chloro-3-methylphenol	Ave	0.2191	0.2058	0.0500	47000	50000	-6.1	25.0
2-Methylnaphthalene	Ave	0.6014	0.5839	0.0500	48500	50000	-2.9	25.0
1-Methylnaphthalene	Ave	0.6195	0.5877	0.0500	47400	50000	-5.1	25.0
Hexachlorocyclopentadiene	Ave	0.3839	0.3280	0.0500	42700	50000	-14.6	25.0
2,4,6-Trichlorophenol	Ave	0.3806	0.3670	0.0500	48200	50000	-3.6	25.0
2,4,5-Trichlorophenol	Ave	0.3843	0.3698	0.0500	48100	50000	-3.8	25.0
1,1'-Biphenyl	Ave	1.629	1.645	0.0500	50500	50000	1.0	25.0
2-Chloronaphthalene	Ave	1.221	1.214	0.0500	49700	50000	-0.6	25.0
Phenyl ether	Ave	0.8690	0.8643	0.0500	49700	50000	-0.5	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Lab Sample ID: CCV 460-134249/1 Calibration Date: 11/01/2012 01:19

Instrument ID: BNAMS5 Calib Start Date: 10/17/2012 05:10

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 10/17/2012 07:15

Lab File ID: x31514.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Nitroaniline	Ave	0.2843	0.2813	0.0500	49500	50000	-1.0	25.0
Coumarin	Ave	0.1504	0.1397	0.0500	46500	50000	-7.1	25.0
Dimethyl phthalate	Ave	1.120	1.080	0.0500	48200	50000	-3.6	25.0
2,6-Dinitrotoluene	Ave	0.2512	0.2513	0.0500	50000	50000	0.0	25.0
Acenaphthylene	Ave	1.823	1.801	0.0500	49400	50000	-1.2	25.0
3-Nitroaniline	Ave	0.2452	0.2409	0.0500	49100	50000	-1.7	25.0
Acenaphthene	Ave	1.080	1.072	0.0500	49600	50000	-0.7	25.0
2,4-Dinitrophenol	Ave	0.1150	0.1019	0.0500	44300	50000	-11.4	25.0
4-Nitrophenol	Ave	0.1557	0.1468	0.0500	47100	50000	-5.7	25.0
Dibenzofuran	Ave	1.506	1.473	0.0500	48900	50000	-2.2	25.0
2,4-Dinitrotoluene	Ave	0.2998	0.2835	0.0500	47300	50000	-5.4	25.0
Diethyl phthalate	Ave	1.029	0.997	0.0500	48400	50000	-3.1	25.0
Fluorene	Ave	1.151	1.121	0.0500	48700	50000	-2.6	25.0
4-Chlorophenyl phenyl ether	Ave	0.5648	0.5363	0.0500	47500	50000	-5.1	25.0
4-Nitroaniline	Ave	0.1878	0.1899	0.0500	50600	50000	1.1	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1340	0.1285	0.0500	48000	50000	-4.1	25.0
N-Nitrosodiphenylamine	Ave	0.6031	0.6253	0.0500	51800	50000	3.7	25.0
1,2-Diphenylhydrazine	Ave	1.092	1.098	0.0500	50300	50000	0.5	25.0
4-Bromophenyl phenyl ether	Ave	0.2388	0.2353	0.0500	49300	50000	-1.4	25.0
Hexachlorobenzene	Ave	0.2355	0.2256	0.0500	47900	50000	-4.2	25.0
Atrazine	Ave	0.1934	0.1903	0.0500	49200	50000	-1.6	25.0
Pentachlorophenol	Ave	0.1260	0.1244	0.0500	49300	50000	-1.3	25.0
Phenanthrene	Ave	1.108	1.122	0.0500	50700	50000	1.3	25.0
Anthracene	Ave	1.112	1.130	0.0500	50800	50000	1.6	25.0
Carbazole	Ave	0.8585	0.8609	0.0500	50100	50000	0.3	25.0
Di-n-butyl phthalate	Ave	1.089	1.157	0.0500	53100	50000	6.2	25.0
Fluoranthene	Ave	0.8608	0.9042	0.0500	52500	50000	5.0	25.0
Benzidine	Ave	0.0389	0.0839	0.0500	108000	50000	115.7*	25.0
Pyrene	Ave	1.813	1.587	0.0500	43800	50000	-12.5	25.0
Butyl benzyl phthalate	Ave	0.6606	0.6836	0.0500	51700	50000	3.5	25.0
2,3,7,8-TCDD	Ave	0.1534	0.1343	0.0500	438	500	-12.4	25.0
Benzo[a]anthracene	Ave	1.186	1.198	0.0500	50500	50000	1.0	25.0
3,3'-Dichlorobenzidine	Ave	0.2855	0.3456	0.0500	60500	50000	21.1	25.0
Chrysene	Ave	1.186	1.253	0.0500	52900	50000	5.7	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.8879	0.9033	0.0500	50900	50000	1.7	25.0
Di-n-octyl phthalate	Ave	1.461	1.482	0.0500	50700	50000	1.4	25.0
Benzo[b]fluoranthene	Ave	1.097	1.126	0.0500	51400	50000	2.7	25.0
Benzo[k]fluoranthene	Ave	1.209	1.313	0.0500	54300	50000	8.6	25.0
Benzo[a]pyrene	Ave	0.8622	0.9537	0.0500	55300	50000	10.6	25.0
Indeno[1,2,3-cd]pyrene	Ave	0.7789	0.8374	0.0500	53800	50000	7.5	25.0
Dibenz(a,h)anthracene	Ave	0.8138	0.9338	0.0500	57400	50000	14.7	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Lab Sample ID: CCV 460-134249/1 Calibration Date: 11/01/2012 01:19
Instrument ID: BNAMS5 Calib Start Date: 10/17/2012 05:10
GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 10/17/2012 07:15
Lab File ID: x31514.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	0.9043	1.019	0.0500	56300	50000	12.7	25.0
2-Fluorophenol (Surr)	Ave	1.230	1.121	0.0500	45600	50000	-8.8	25.0
Phenol-d5 (Surr)	Ave	1.413	1.215	0.0500	43000	50000	-14.0	25.0
Nitrobenzene-d5 (Surr)	Ave	0.3540	0.3597	0.0500	50800	50000	1.6	25.0
2-Fluorobiphenyl	Ave	1.454	1.448	0.0500	49800	50000	-0.4	25.0
2,4,6-Tribromophenol (Surr)	Ave	0.1219	0.1068	0.0500	43800	50000	-12.3	25.0
Terphenyl-d14 (Surr)	Ave	1.178	1.052	0.0500	44600	50000	-10.7	25.0

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12br.b/x31514.d
 Report Date: 01-Nov-2012 08:48

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/10-17-12del/31oct12br.b/x31514.d
 Lab Smp Id: CCV-1785657
 Inj Date : 01-NOV-2012 01:19
 Operator : BNAMS 4
 Smp Info : CCV-1785657
 Misc Info : 50ppm bna4710
 Comment :
 Method : /chem/BNAMS5.i/8270/10-17-12del/31oct12br.b/8270Cdel_08.m
 Meth Date : 01-Nov-2012 08:48 croccom Quant Type: ISTD
 Cal Date : 01-NOV-2012 01:19 Cal File: x31514.d
 Als bottle: 14 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: hpd1

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	0.946	0.946 (0.285)	520961	50.0000	50		
19 N-Nitrosodimethylamine	74	1.134	1.134 (0.341)	629240	50.0000	48		
71 Pyridine	79	1.152	1.152 (0.347)	1133087	50.0000	51		
\$ 16 2-Fluorophenol (SUR)	112	2.128	2.128 (0.641)	1029739	50.0000	46		
110 Benzaldehyde	77	2.875	2.875 (0.865)	518324	50.0000	78		
\$ 17 Phenol-d5 (SUR)	99	3.016	3.016 (0.908)	1115744	50.0000	43		
1 Phenol	94	3.028	3.028 (0.911)	1169076	50.0000	42(M)		
73 Aniline	93	2.999	2.999 (0.903)	1423359	50.0000	51		
20 bis(2-Chloroethyl)ether	93	3.081	3.081 (0.927)	1061556	50.0000	44		
2 2-Chlorophenol	128	3.116	3.116 (0.938)	1200343	50.0000	46		
113 n-decane	43	3.193	3.193 (0.961)	1222732	50.0000	50		
21 1,3-Dichlorobenzene	146	3.263	3.263 (0.982)	1496616	50.0000	49		
* 79 1,4-Dichlorobenzene-d4	152	3.322	3.322 (1.000)	734556	40.0000			
22 1,4-Dichlorobenzene	146	3.340	3.340 (1.005)	1474206	50.0000	49		
74 Benzyl Alcohol	108	3.498	3.498 (1.053)	577765	50.0000	42		

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12br.b/x31514.d
Report Date: 01-Nov-2012 08:48

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.493	3.493	(1.051)	1356064	50.0000	49
3 2-Methylphenol	108	3.646	3.646	(1.097)	885391	50.0000	45
24 bis (2-chloroisopropyl) ether	45	3.634	3.634	(1.094)	1157082	50.0000	46
104 Acetophenone	105	3.763	3.763	(1.133)	1299225	50.0000	45
4 4-Methylphenol	108	3.810	3.810	(1.147)	851905	50.0000	43
121 3 & 4 Methylphenol	108	3.810	3.810	(1.147)	851905	50.0000	43
25 N-Nitroso-di-n-propylamine	70	3.781	3.781	(1.138)	646281	50.0000	47
26 Hexachloroethane	117	3.834	3.834	(1.154)	568373	50.0000	51
\$ 76 Nitrobenzene-d5 (SUR)	82	3.904	3.904	(0.845)	1063914	50.0000	51
107 N,N-Dimethylaniline	120	3.934	3.934	(1.184)	1588195	50.0000	47
27 Nitrobenzene	77	3.928	3.928	(0.850)	1417525	50.0000	50
28 Isophorone	82	4.175	4.175	(0.903)	1466167	50.0000	48
5 2-Nitrophenol	139	4.251	4.251	(0.920)	586268	50.0000	52
6 2,4-Dimethylphenol	122	4.346	4.346	(0.940)	807330	50.0000	47
29 bis(2-Chloroethoxy)methane	93	4.428	4.428	(0.958)	986287	50.0000	49
7 2,4-Dichlorophenol	162	4.510	4.510	(0.976)	738287	50.0000	49
30 1,2,4-Trichlorobenzene	180	4.575	4.575	(0.990)	945293	50.0000	51
* 80 Naphthalene-d8	136	4.622	4.622	(1.000)	2366278	40.0000	
31 Naphthalene	128	4.645	4.645	(1.005)	2979655	50.0000	50
32 4-Chloroaniline	127	4.728	4.728	(1.023)	982301	50.0000	53
33 Hexachlorobutadiene	225	4.793	4.793	(1.037)	548070	50.0000	51
111 Caprolactam	113	5.104	5.104	(1.104)	172866	50.0000	52
8 4-Chloro-3-methylphenol	107	5.263	5.263	(1.139)	608659	50.0000	47
34 2-Methylnaphthalene	142	5.340	5.340	(1.155)	1727088	50.0000	48
120 1-Methylnaphthalene	142	5.440	5.440	(1.177)	1738237	50.0000	47
35 Hexachlorocyclopentadiene	237	5.516	5.516	(0.868)	375796	50.0000	43
9 2,4,6-Trichlorophenol	196	5.645	5.645	(0.888)	420431	50.0000	48
10 2,4,5-Trichlorophenol	196	5.687	5.687	(0.895)	423643	50.0000	48
\$ 77 2-Fluorobiphenyl (SUR)	172	5.722	5.722	(0.900)	1659155	50.0000	50
102 Diphenyl	154	5.816	5.816	(0.915)	1884590	50.0000	50
36 2-Chloronaphthalene	162	5.816	5.816	(0.915)	1390391	50.0000	50
103 Diphenyl Ether	170	5.922	5.922	(0.932)	990155	50.0000	50
37 2-Nitroaniline	65	5.945	5.945	(0.935)	322249	50.0000	49
38 Dimethylphthalate	163	6.145	6.145	(0.967)	1236790	50.0000	48
114 Coumarin	146	6.134	6.134	(1.327)	413245	50.0000	46
40 2,6-Dinitrotoluene	165	6.192	6.192	(0.974)	287843	50.0000	50
39 Acenaphthylene	152	6.216	6.216	(0.978)	2063730	50.0000	49
41 3-Nitroaniline	138	6.351	6.351	(0.999)	275991	50.0000	49
* 82 Acenaphthene-d10	164	6.357	6.357	(1.000)	916476	40.0000	
42 Acenaphthene	154	6.392	6.392	(1.006)	1227993	50.0000	50
11 2,4-Dinitrophenol	184	6.451	6.451	(1.015)	116748	50.0000	44
12 4-Nitrophenol	65	6.563	6.563	(1.032)	168223	50.0000	47
44 2,4-Dinitrotoluene	165	6.575	6.575	(1.034)	324771	50.0000	47
43 Dibenzofuran	168	6.563	6.563	(1.032)	1687796	50.0000	49
45 Diethylphthalate	149	6.839	6.839	(1.076)	1142118	50.0000	48
46 4-Chlorophenyl-phenylether	204	6.916	6.916	(1.088)	614345	50.0000	47
47 Fluorene	166	6.892	6.892	(1.084)	1284084	50.0000	49

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12br.b/x31514.d
Report Date: 01-Nov-2012 08:48

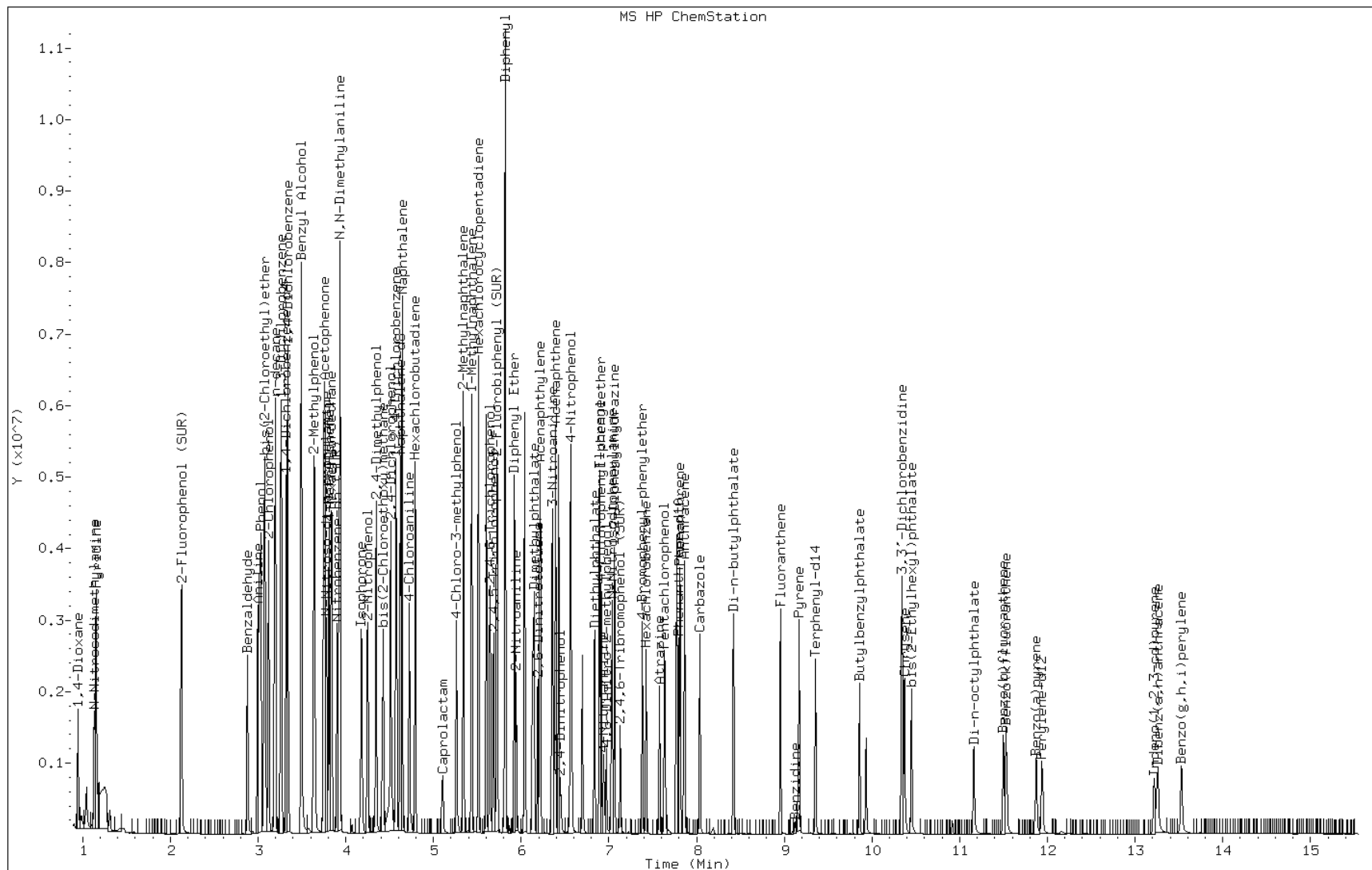
Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====	=====
48 4-Nitroaniline	138		6.945	6.945	(1.093)	217529	50.0000	50
13 4,6-Dinitro-2-methylphenol	198		6.969	6.969	(0.894)	157869	50.0000	48
49 N-Nitrosodiphenylamine	169		7.034	7.034	(0.903)	768219	50.0000	52
75 1,2-Diphenylhydrazine	77		7.063	7.063	(0.906)	1348333	50.0000	50
\$ 18 2,4,6-Tribromophenol (SUR)	330		7.128	7.128	(1.121)	122394	50.0000	44
50 4-Bromophenyl-phenylether	248		7.381	7.381	(0.947)	289117	50.0000	49
51 Hexachlorobenzene	284		7.428	7.428	(0.953)	277185	50.0000	48
112 Atrazine	200		7.581	7.581	(0.973)	233797	50.0000	49
14 Pentachlorophenol	266		7.634	7.634	(0.980)	152818	50.0000	49
* 83 Phenanthrene-d10	188		7.792	7.792	(1.000)	982820	40.0000	
52 Phenanthrene	178		7.810	7.810	(1.002)	1378834	50.0000	51
53 Anthracene	178		7.863	7.863	(1.009)	1388319	50.0000	51
54 Carbazole	167		8.034	8.034	(1.031)	1057633	50.0000	50
55 Di-n-butylphthalate	149		8.422	8.422	(1.081)	1421959	50.0000	53
56 Fluoranthene	202		8.957	8.957	(1.149)	1110854	50.0000	52
58 Benzidine	184		9.122	9.122	(1.171)	103054	50.0000	110
57 Pyrene	202		9.169	9.169	(0.886)	1069077	50.0000	44
\$ 78 Terphenyl-d14	244		9.357	9.357	(0.904)	708830	50.0000	45
59 Butylbenzylphthalate	149		9.857	9.857	(0.953)	460591	50.0000	52
109 2,3,7,8-TCDD (Screen)	320		9.910	9.910	(0.958)	905	0.50000	0.44(a)
60 3,3'-Dichlorobenzidine	252		10.345	10.345	(1.000)	232850	50.0000	60
61 Benzo(a)anthracene	228		10.339	10.339	(0.999)	807030	50.0000	50
* 81 Chrysene-d12	240		10.345	10.345	(1.000)	539019	40.0000	
62 Chrysene	228		10.375	10.375	(1.003)	844509	50.0000	53
63 bis(2-Ethylhexyl)phthalate	149		10.451	10.451	(1.010)	608649	50.0000	51
64 Di-n-octylphthalate	149		11.163	11.163	(0.935)	855886	50.0000	51
65 Benzo(b)fluoranthene	252		11.498	11.498	(0.963)	650603	50.0000	51
66 Benzo(k)fluoranthene	252		11.533	11.533	(0.966)	758514	50.0000	54
67 Benzo(a)pyrene	252		11.874	11.874	(0.995)	550922	50.0000	55
* 84 Perylene-d12	264		11.939	11.939	(1.000)	462152	40.0000	
68 Indeno(1,2,3-cd)pyrene	276		13.221	13.221	(1.107)	483773	50.0000	54
69 Dibenz(a,h)anthracene	278		13.257	13.257	(1.110)	539445	50.0000	57
70 Benzo(g,h,i)perylene	276		13.527	13.527	(1.133)	588607	50.0000	56

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Instrument: BNAMS5.i

Operator: BNAMS 4

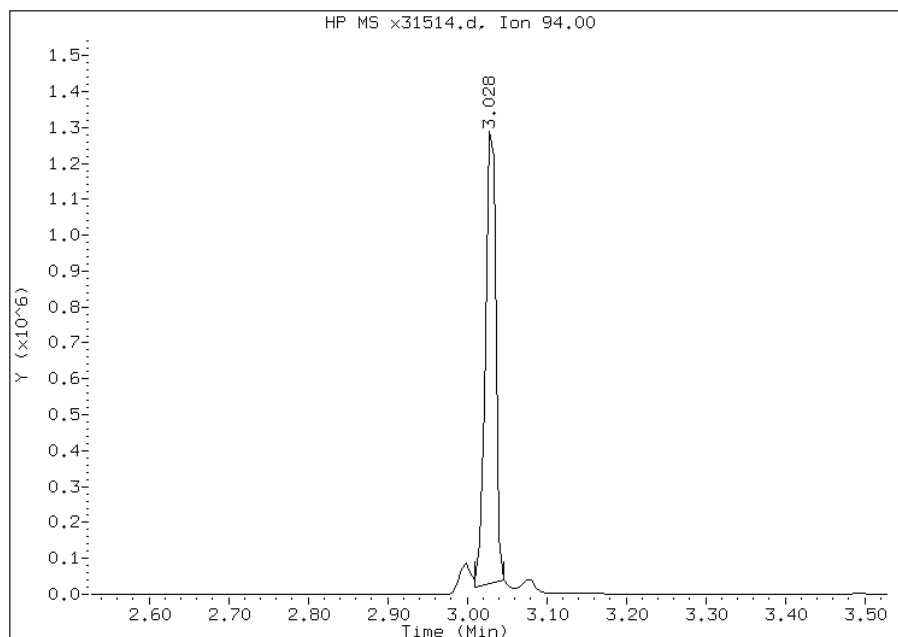


Manual Integration Report

Data File: x31514.d
Inj. Date and Time: 01-NOV-2012 01:19
Instrument ID: BNAMS5.i
Client ID:
Compound: 1 Phenol
CAS #: 108-95-2
Report Date: 11/02/2012

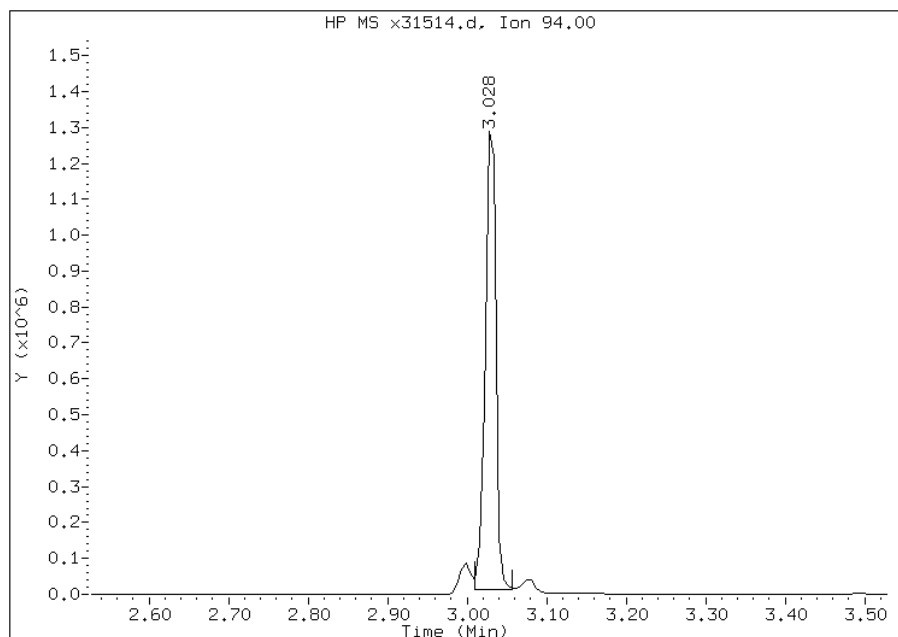
Processing Integration Results

RT: 3.03
Response: 1131888
Amount: 40
Conc: 40



Manual Integration Results

RT: 3.03
Response: 1169076
Amount: 42
Conc: 42



Manually Integrated By: rusin
Manual Integration Reason: Baseline Event

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Lab Sample ID: CCVIS 460-134518/2 Calibration Date: 11/06/2012 00:56

Instrument ID: BNAMS5 Calib Start Date: 10/17/2012 05:10

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 10/17/2012 07:15

Lab File ID: x31652.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5702	0.5013	0.0500	44000	50000	-12.1	25.0
N-Nitrosodimethylamine	Ave	0.7139	0.6408	0.0500	44900	50000	-10.2	25.0
Pyridine	Ave	1.218	1.135	0.0500	46600	50000	-6.8	25.0
Benzaldehyde	Ave	0.3592	0.2088	0.0500	29100	50000	-41.9*	25.0
Aniline	Ave	1.531	1.462	0.0500	47800	50000	-4.5	25.0
Phenol	Ave	1.534	1.203	0.0500	39200	50000	-21.6	25.0
Bis(2-chloroethyl)ether	Ave	1.307	1.108	0.0500	42400	50000	-15.2	25.0
2-Chlorophenol	Ave	1.406	1.301	0.0500	46200	50000	-7.5	25.0
n-Decane	Ave	1.332	1.207	0.0500	45300	50000	-9.3	25.0
1,3-Dichlorobenzene	Ave	1.650	1.608	0.0500	48700	50000	-2.6	25.0
1,4-Dichlorobenzene	Ave	1.650	1.594	0.0500	48300	50000	-3.4	25.0
1,2-Dichlorobenzene	Ave	1.513	1.484	0.0500	49000	50000	-1.9	25.0
Benzyl alcohol	Ave	0.7551	0.6843	0.0500	45300	50000	-9.4	25.0
2,2'-oxybis[1-chloropropane]	Ave	1.368	1.206	0.0500	44100	50000	-11.9	25.0
2-Methylphenol	Ave	1.076	0.9492	0.0500	44100	50000	-11.8	25.0
Acetophenone	Ave	1.560	1.427	0.0500	45700	50000	-8.5	25.0
N-Nitrosodi-n-propylamine	Ave	0.7529	0.6972	0.0500	46300	50000	-7.4	25.0
3 & 4 Methylphenol	Ave	1.068	0.9410	0.0500	44100	50000	-11.9	25.0
4-Methylphenol	Ave	1.068	0.9410	0.0500	44100	50000	-11.9	25.0
Hexachloroethane	Ave	0.6112	0.6010	0.0500	49200	50000	-1.7	25.0
Nitrobenzene	Ave	0.4751	0.4544	0.0500	47800	50000	-4.4	25.0
n,n'-Dimethylaniline	Ave	1.854	1.749	0.0500	47200	50000	-5.7	25.0
Isophorone	Ave	0.5124	0.5006	0.0500	48900	50000	-2.3	25.0
2-Nitrophenol	Ave	0.1918	0.2023	0.0500	52700	50000	5.5	25.0
2,4-Dimethylphenol	Ave	0.2876	0.2755	0.0500	47900	50000	-4.2	25.0
Bis(2-chloroethoxy)methane	Ave	0.3412	0.3324	0.0500	48700	50000	-2.6	25.0
2,4-Dichlorophenol	Ave	0.2540	0.2505	0.0500	49300	50000	-1.4	25.0
1,2,4-Trichlorobenzene	Ave	0.3136	0.3275	0.0500	52200	50000	4.4	25.0
Naphthalene	Ave	1.011	1.013	0.0500	50100	50000	0.2	25.0
4-Chloroaniline	Ave	0.3127	0.3274	0.0500	52300	50000	4.7	25.0
Hexachlorobutadiene	Ave	0.1816	0.1897	0.0500	52200	50000	4.4	25.0
Caprolactam	Ave	0.0559	0.0557	0.0500	49800	50000	-0.4	25.0
4-Chloro-3-methylphenol	Ave	0.2191	0.2112	0.0500	48200	50000	-3.6	25.0
2-Methylnaphthalene	Ave	0.6014	0.6029	0.0500	50100	50000	0.3	25.0
1-Methylnaphthalene	Ave	0.6195	0.6037	0.0500	48700	50000	-2.5	25.0
Hexachlorocyclopentadiene	Ave	0.3839	0.3705	0.0500	48300	50000	-3.5	25.0
2,4,6-Trichlorophenol	Ave	0.3806	0.3775	0.0500	49600	50000	-0.8	25.0
2,4,5-Trichlorophenol	Ave	0.3843	0.3800	0.0500	49400	50000	-1.1	25.0
1,1'-Biphenyl	Ave	1.629	1.631	0.0500	50100	50000	0.1	25.0
2-Chloronaphthalene	Ave	1.221	1.227	0.0500	50200	50000	0.5	25.0
Phenyl ether	Ave	0.8690	0.8649	0.0500	49800	50000	-0.5	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Lab Sample ID: CCVIS 460-134518/2 Calibration Date: 11/06/2012 00:56

Instrument ID: BNAMS5 Calib Start Date: 10/17/2012 05:10

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 10/17/2012 07:15

Lab File ID: x31652.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Nitroaniline	Ave	0.2843	0.2686	0.0500	47200	50000	-5.5	25.0
Coumarin	Ave	0.1504	0.1444	0.0500	48000	50000	-4.0	25.0
Dimethyl phthalate	Ave	1.120	1.112	0.0500	49600	50000	-0.7	25.0
2,6-Dinitrotoluene	Ave	0.2512	0.2623	0.0500	52200	50000	4.4	25.0
Acenaphthylene	Ave	1.823	1.799	0.0500	49400	50000	-1.3	25.0
3-Nitroaniline	Ave	0.2452	0.2239	0.0500	45700	50000	-8.7	25.0
Acenaphthene	Ave	1.080	1.081	0.0500	50000	50000	0.0	25.0
2,4-Dinitrophenol	Ave	0.1150	0.0931	0.0500	40500	50000	-19.0	25.0
Dibenzofuran	Ave	1.506	1.492	0.0500	49500	50000	-0.9	25.0
2,4-Dinitrotoluene	Ave	0.2998	0.2875	0.0500	48000	50000	-4.1	25.0
4-Nitrophenol	Ave	0.1557	0.1220	0.0500	39200	50000	-21.6	25.0
Diethyl phthalate	Ave	1.029	1.019	0.0500	49500	50000	-1.0	25.0
Fluorene	Ave	1.151	1.154	0.0500	50100	50000	0.2	25.0
4-Chlorophenyl phenyl ether	Ave	0.5648	0.5639	0.0500	49900	50000	-0.2	25.0
4-Nitroaniline	Ave	0.1878	0.1668	0.0500	44400	50000	-11.2	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1340	0.1284	0.0500	47900	50000	-4.2	25.0
N-Nitrosodiphenylamine	Ave	0.6031	0.6124	0.0500	50800	50000	1.5	25.0
1,2-Diphenylhydrazine	Ave	1.092	1.095	0.0500	50200	50000	0.3	25.0
4-Bromophenyl phenyl ether	Ave	0.2388	0.2487	0.0500	52100	50000	4.2	25.0
Hexachlorobenzene	Ave	0.2355	0.2373	0.0500	50400	50000	0.8	25.0
Atrazine	Ave	0.1934	0.1941	0.0500	50200	50000	0.4	25.0
Pentachlorophenol	Ave	0.1260	0.1296	0.0500	51400	50000	2.8	25.0
Phenanthrene	Ave	1.108	1.137	0.0500	51300	50000	2.6	25.0
Anthracene	Ave	1.112	1.148	0.0500	51600	50000	3.2	25.0
Carbazole	Ave	0.8585	0.8719	0.0500	50800	50000	1.6	25.0
Di-n-butyl phthalate	Ave	1.089	1.163	0.0500	53400	50000	6.8	25.0
Fluoranthene	Ave	0.8608	0.8940	0.0500	51900	50000	3.8	25.0
Benzidine	Ave	0.0389	0.0591	0.0500	76000	50000	51.9*	25.0
Pyrene	Ave	1.813	1.714	0.0500	47300	50000	-5.5	25.0
Butyl benzyl phthalate	Ave	0.6606	0.6798	0.0500	51500	50000	2.9	25.0
2,3,7,8-TCDD	Ave	0.1534	0.1836	0.0500	599	500	19.7	25.0
Benzo[a]anthracene	Ave	1.186	1.176	0.0500	49600	50000	-0.8	25.0
3,3'-Dichlorobenzidine	Ave	0.2855	0.2918	0.0500	51100	50000	2.2	25.0
Chrysene	Ave	1.186	1.219	0.0500	51400	50000	2.8	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.8879	0.9114	0.0500	51300	50000	2.6	25.0
Di-n-octyl phthalate	Ave	1.461	1.589	0.0500	54400	50000	8.7	25.0
Benzo[b]fluoranthene	Ave	1.097	1.125	0.0500	51300	50000	2.6	25.0
Benzo[k]fluoranthene	Ave	1.209	1.393	0.0500	57600	50000	15.2	25.0
Benzo[a]pyrene	Ave	0.8622	0.9658	0.0500	56000	50000	12.0	25.0
Indeno[1,2,3-cd]pyrene	Ave	0.7789	0.7789	0.0500	50000	50000	-0.0	25.0
Dibenz(a,h)anthracene	Ave	0.8138	0.9358	0.0500	57500	50000	15.0	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Lab Sample ID: CCVIS 460-134518/2 Calibration Date: 11/06/2012 00:56
Instrument ID: BNAMS5 Calib Start Date: 10/17/2012 05:10
GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 10/17/2012 07:15
Lab File ID: x31652.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	0.9043	0.9860	0.0500	54500	50000	9.0	25.0
2-Fluorophenol (Surr)	Ave	1.230	1.139	0.0500	46300	50000	-7.4	25.0
Phenol-d5 (Surr)	Ave	1.413	1.223	0.0500	43300	50000	-13.4	25.0
Nitrobenzene-d5 (Surr)	Ave	0.3540	0.3467	0.0500	49000	50000	-2.1	25.0
2-Fluorobiphenyl	Ave	1.454	1.427	0.0500	49000	50000	-1.9	25.0
2,4,6-Tribromophenol (Surr)	Ave	0.1219	0.1139	0.0500	46700	50000	-6.5	25.0
Terphenyl-d14 (Surr)	Ave	1.178	1.082	0.0500	45900	50000	-8.2	25.0

Data File: /chem/BNAMS5.i/8270/10-17-12del/06nov12.b/x31652.d
 Report Date: 06-Nov-2012 02:12

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/10-17-12del/06nov12.b/x31652.d
 Lab Smp Id: CCVIS-1785657
 Inj Date : 06-NOV-2012 00:56
 Operator : BNAMS 4
 Smp Info : CCVIS-1785657
 Misc Info : 50ppm bna4710
 Comment :
 Method : /chem/BNAMS5.i/8270/10-17-12del/06nov12.b/8270Cdel_08.m
 Meth Date : 06-Nov-2012 02:12 asfawa
 Cal Date : 06-NOV-2012 00:56
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS5.i

Quant Type: ISTD

Cal File: x31652.d

Continuing Calibration Sample

Compound Sublist: all.sub

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	0.881	0.881	(0.273)	425802	50.0000	44
19 N-Nitrosodimethylamine	74	1.063	1.063	(0.330)	544302	50.0000	45
71 Pyridine	79	1.081	1.081	(0.335)	963894	50.0000	46
\$ 16 2-Fluorophenol (SUR)	112	2.034	2.034	(0.631)	967588	50.0000	46
110 Benzaldehyde	77	2.781	2.781	(0.863)	177350	50.0000	29
\$ 17 Phenol-d5 (SUR)	99	2.922	2.922	(0.907)	1038568	50.0000	43
1 Phenol	94	2.940	2.940	(0.912)	1021783	50.0000	39
73 Aniline	93	2.898	2.898	(0.900)	1242191	50.0000	48
20 bis(2-Chloroethyl)ether	93	2.981	2.981	(0.925)	941401	50.0000	42
2 2-Chlorophenol	128	3.022	3.022	(0.938)	1104877	50.0000	46
113 n-decane	43	3.098	3.098	(0.962)	1025395	50.0000	45
21 1,3-Dichlorobenzene	146	3.163	3.163	(0.982)	1365606	50.0000	49
* 79 1,4-Dichlorobenzene-d4	152	3.222	3.222	(1.000)	679545	40.0000	

Data File: /chem/BNAMS5.i/8270/10-17-12del/06nov12.b/x31652.d
 Report Date: 06-Nov-2012 02:12

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
22 1,4-Dichlorobenzene	146	3.240	3.240	(1.005)	1354349	50.0000	48
74 Benzyl Alcohol	108	3.404	3.404	(1.057)	581236	50.0000	45
23 1,2-Dichlorobenzene	146	3.392	3.392	(1.053)	1260368	50.0000	49
3 2-Methylphenol	108	3.551	3.551	(1.102)	806308	50.0000	44
24 bis (2-chloroisopropyl) ether	45	3.540	3.540	(1.099)	1024564	50.0000	44
104 Acetophenone	105	3.669	3.669	(1.139)	1211769	50.0000	46
4 4-Methylphenol	108	3.716	3.716	(1.153)	799270	50.0000	44
121 3 & 4 Methylphenol	108	3.716	3.716	(1.153)	799270	50.0000	44
25 N-Nitroso-di-n-propylamine	70	3.687	3.687	(1.144)	592200	50.0000	46
26 Hexachloroethane	117	3.740	3.740	(1.161)	510517	50.0000	49
\$ 76 Nitrobenzene-d5 (SUR)	82	3.810	3.810	(0.842)	967092	50.0000	49
107 N,N-Dimethylaniline	120	3.840	3.840	(1.192)	1485496	50.0000	47
27 Nitrobenzene	77	3.834	3.834	(0.847)	1267293	50.0000	48
28 Isophorone	82	4.087	4.087	(0.903)	1396218	50.0000	49
5 2-Nitrophenol	139	4.157	4.157	(0.918)	564214	50.0000	53
6 2,4-Dimethylphenol	122	4.257	4.257	(0.940)	768354	50.0000	48
29 bis(2-Chloroethoxy)methane	93	4.334	4.334	(0.957)	927008	50.0000	49
7 2,4-Dichlorophenol	162	4.416	4.416	(0.975)	698654	50.0000	49
30 1,2,4-Trichlorobenzene	180	4.481	4.481	(0.990)	913506	50.0000	52
* 80 Naphthalene-d8	136	4.528	4.528	(1.000)	2231336	40.0000	
31 Naphthalene	128	4.551	4.551	(1.005)	2825206	50.0000	50
32 4-Chloroaniline	127	4.634	4.634	(1.023)	913213	50.0000	52
33 Hexachlorobutadiene	225	4.704	4.704	(1.039)	529111	50.0000	52
111 Caprolactam	113	5.022	5.022	(1.109)	155343	50.0000	50
8 4-Chloro-3-methylphenol	107	5.175	5.175	(1.143)	589157	50.0000	48
34 2-Methylnaphthalene	142	5.251	5.251	(1.160)	1681499	50.0000	50
120 1-Methylnaphthalene	142	5.345	5.345	(1.181)	1683946	50.0000	49
35 Hexachlorocyclopentadiene	237	5.422	5.422	(0.865)	412624	50.0000	48
9 2,4,6-Trichlorophenol	196	5.557	5.557	(0.886)	420379	50.0000	50
10 2,4,5-Trichlorophenol	196	5.598	5.598	(0.893)	423201	50.0000	49
\$ 77 2-Fluorobiphenyl (SUR)	172	5.633	5.633	(0.899)	1588657	50.0000	49
102 Diphenyl	154	5.722	5.722	(0.913)	1815894	50.0000	50
36 2-Chloronaphthalene	162	5.728	5.728	(0.914)	1365855	50.0000	50
103 Diphenyl Ether	170	5.833	5.833	(0.931)	963170	50.0000	50
37 2-Nitroaniline	65	5.857	5.857	(0.934)	299048	50.0000	47
38 Dimethylphthalate	163	6.057	6.057	(0.966)	1237937	50.0000	50
114 Coumarin	146	6.039	6.039	(1.334)	402794	50.0000	48
40 2,6-Dinitrotoluene	165	6.104	6.104	(0.974)	292067	50.0000	52
39 Acenaphthylene	152	6.128	6.128	(0.977)	2003692	50.0000	49
41 3-Nitroaniline	138	6.257	6.257	(0.998)	249287	50.0000	46
* 82 Acenaphthene-d10	164	6.269	6.269	(1.000)	890856	40.0000	
42 Acenaphthene	154	6.298	6.298	(1.005)	1203463	50.0000	50
11 2,4-Dinitrophenol	184	6.363	6.363	(1.015)	103688	50.0000	40
12 4-Nitrophenol	65	6.498	6.498	(1.037)	135876	50.0000	39
44 2,4-Dinitrotoluene	165	6.486	6.486	(1.035)	320192	50.0000	48
43 Dibenzofuran	168	6.469	6.469	(1.032)	1661668	50.0000	50
45 Diethylphthalate	149	6.745	6.745	(1.076)	1134817	50.0000	50

Data File: /chem/BNAMS5.i/8270/10-17-12del/06nov12.b/x31652.d
 Report Date: 06-Nov-2012 02:12

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
46 4-Chlorophenyl-phenylether	204	6.822	6.822	(1.088)	627992	50.0000	50
47 Fluorene	166	6.798	6.798	(1.084)	1284552	50.0000	50
48 4-Nitroaniline	138	6.851	6.851	(1.093)	185787	50.0000	44
13 4,6-Dinitro-2-methylphenol	198	6.880	6.880	(0.894)	153346	50.0000	48
49 N-Nitrosodiphenylamine	169	6.945	6.945	(0.903)	731650	50.0000	51
75 1,2-Diphenylhydrazine	77	6.975	6.975	(0.907)	1308481	50.0000	50
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.033	7.033	(1.122)	126825	50.0000	47
50 4-Bromophenyl-phenylether	248	7.286	7.286	(0.947)	297112	50.0000	52
51 Hexachlorobenzene	284	7.333	7.333	(0.953)	283488	50.0000	50
112 Atrazine	200	7.492	7.492	(0.974)	231939	50.0000	50
14 Pentachlorophenol	266	7.539	7.539	(0.980)	154803	50.0000	51
* 83 Phenanthrene-d10	188	7.692	7.692	(1.000)	955747	40.0000	
52 Phenanthrene	178	7.716	7.716	(1.003)	1358338	50.0000	51
53 Anthracene	178	7.769	7.769	(1.010)	1371036	50.0000	52
54 Carbazole	167	7.945	7.945	(1.033)	1041689	50.0000	51
55 Di-n-butylphthalate	149	8.333	8.333	(1.083)	1389508	50.0000	53
56 Fluoranthene	202	8.857	8.857	(1.151)	1068026	50.0000	52
58 Benzidine	184	9.039	9.039	(1.175)	70570	50.0000	76
57 Pyrene	202	9.069	9.069	(0.885)	1051799	50.0000	47
\$ 78 Terphenyl-d14	244	9.263	9.263	(0.904)	664101	50.0000	46
59 Butylbenzylphthalate	149	9.769	9.769	(0.953)	417254	50.0000	51
109 2,3,7,8-TCDD (Screen)	320	9.821	9.821	(0.959)	1127	0.50000	0.60
60 3,3'-Dichlorobenzidine	252	10.245	10.245	(1.000)	179107	50.0000	51
61 Benzo(a)anthracene	228	10.233	10.233	(0.999)	721743	50.0000	50
* 81 Chrysene-d12	240	10.245	10.245	(1.000)	491041	40.0000	
62 Chrysene	228	10.268	10.268	(1.002)	748453	50.0000	51
63 bis(2-Ethylhexyl)phthalate	149	10.357	10.357	(1.011)	559413	50.0000	51
64 Di-n-octylphthalate	149	11.051	11.051	(0.936)	790644	50.0000	54
65 Benzo(b)fluoranthene	252	11.374	11.374	(0.964)	559875	50.0000	51
66 Benzo(k)fluoranthene	252	11.404	11.404	(0.966)	693265	50.0000	58
67 Benzo(a)pyrene	252	11.733	11.733	(0.994)	480698	50.0000	56
* 84 Perylene-d12	264	11.804	11.804	(1.000)	398178	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.062	13.062	(1.107)	387662	50.0000	50
69 Dibenz(a,h)anthracene	278	13.098	13.098	(1.110)	465769	50.0000	57
70 Benzo(g,h,i)perylene	276	13.368	13.368	(1.133)	490753	50.0000	54

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Lab Sample ID: CCV 460-134519/1 Calibration Date: 11/06/2012 02:23

Instrument ID: BNAMS5 Calib Start Date: 10/17/2012 05:10

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 10/17/2012 07:15

Lab File ID: x31655.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5702	0.5009	0.0500	43900	50000	-12.1	25.0
N-Nitrosodimethylamine	Ave	0.7139	0.6615	0.0500	46300	50000	-7.3	25.0
Pyridine	Ave	1.218	1.192	0.0500	49000	50000	-2.1	25.0
Benzaldehyde	Ave	0.3592	0.2790	0.0500	38800	50000	-22.3	25.0
Aniline	Ave	1.531	1.587	0.0500	51900	50000	3.7	25.0
Phenol	Ave	1.534	1.294	0.0500	42200	50000	-15.6	25.0
Bis(2-chloroethyl)ether	Ave	1.307	1.174	0.0500	44900	50000	-10.1	25.0
2-Chlorophenol	Ave	1.406	1.368	0.0500	48600	50000	-2.7	25.0
n-Decane	Ave	1.332	1.193	0.0500	44800	50000	-10.4	25.0
1,3-Dichlorobenzene	Ave	1.650	1.614	0.0500	48900	50000	-2.2	25.0
1,4-Dichlorobenzene	Ave	1.650	1.630	0.0500	49400	50000	-1.2	25.0
1,2-Dichlorobenzene	Ave	1.513	1.511	0.0500	49900	50000	-0.1	25.0
Benzyl alcohol	Ave	0.7551	0.7334	0.0500	48600	50000	-2.9	25.0
2,2'-oxybis[1-chloropropane]	Ave	1.368	1.262	0.0500	46100	50000	-7.8	25.0
2-Methylphenol	Ave	1.076	1.020	0.0500	47400	50000	-5.1	25.0
Acetophenone	Ave	1.560	1.512	0.0500	48500	50000	-3.0	25.0
N-Nitrosodi-n-propylamine	Ave	0.7529	0.7671	0.0500	50900	50000	1.9	25.0
3 & 4 Methylphenol	Ave	1.068	1.034	0.0500	48400	50000	-3.2	25.0
4-Methylphenol	Ave	1.068	1.034	0.0500	48400	50000	-3.2	25.0
Hexachloroethane	Ave	0.6112	0.6031	0.0500	49300	50000	-1.3	25.0
Nitrobenzene	Ave	0.4751	0.4603	0.0500	48400	50000	-3.1	25.0
n,n'-Dimethylaniline	Ave	1.854	1.856	0.0500	50100	50000	0.1	25.0
Isophorone	Ave	0.5124	0.5221	0.0500	50900	50000	1.9	25.0
2-Nitrophenol	Ave	0.1918	0.2024	0.0500	52800	50000	5.5	25.0
2,4-Dimethylphenol	Ave	0.2876	0.2823	0.0500	49100	50000	-1.8	25.0
Bis(2-chloroethoxy)methane	Ave	0.3412	0.3400	0.0500	49800	50000	-0.3	25.0
2,4-Dichlorophenol	Ave	0.2540	0.2589	0.0500	51000	50000	1.9	25.0
1,2,4-Trichlorobenzene	Ave	0.3136	0.3229	0.0500	51500	50000	3.0	25.0
Naphthalene	Ave	1.011	1.017	0.0500	50300	50000	0.6	25.0
4-Chloroaniline	Ave	0.3127	0.3468	0.0500	55500	50000	10.9	25.0
Hexachlorobutadiene	Ave	0.1816	0.1866	0.0500	51400	50000	2.7	25.0
Caprolactam	Ave	0.0559	0.0588	0.0500	52600	50000	5.2	25.0
4-Chloro-3-methylphenol	Ave	0.2191	0.2293	0.0500	52300	50000	4.6	25.0
2-Methylnaphthalene	Ave	0.6014	0.6213	0.0500	51700	50000	3.3	25.0
1-Methylnaphthalene	Ave	0.6195	0.6207	0.0500	50100	50000	0.2	25.0
Hexachlorocyclopentadiene	Ave	0.3839	0.3391	0.0500	44200	50000	-11.7	25.0
2,4,6-Trichlorophenol	Ave	0.3806	0.3759	0.0500	49400	50000	-1.3	25.0
2,4,5-Trichlorophenol	Ave	0.3843	0.3845	0.0500	50000	50000	0.0	25.0
1,1'-Biphenyl	Ave	1.629	1.607	0.0500	49300	50000	-1.3	25.0
2-Chloronaphthalene	Ave	1.221	1.180	0.0500	48300	50000	-3.4	25.0
Phenyl ether	Ave	0.8690	0.8597	0.0500	49500	50000	-1.1	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Lab Sample ID: CCV 460-134519/1 Calibration Date: 11/06/2012 02:23

Instrument ID: BNAMS5 Calib Start Date: 10/17/2012 05:10

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 10/17/2012 07:15

Lab File ID: x31655.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Nitroaniline	Ave	0.2843	0.2844	0.0500	50000	50000	0.0	25.0
Coumarin	Ave	0.1504	0.1615	0.0500	53700	50000	7.4	25.0
Dimethyl phthalate	Ave	1.120	1.150	0.0500	51300	50000	2.7	25.0
2,6-Dinitrotoluene	Ave	0.2512	0.2723	0.0500	54200	50000	8.4	25.0
Acenaphthylene	Ave	1.823	1.801	0.0500	49400	50000	-1.2	25.0
3-Nitroaniline	Ave	0.2452	0.2523	0.0500	51400	50000	2.9	25.0
Acenaphthene	Ave	1.080	1.079	0.0500	50000	50000	-0.0	25.0
2,4-Dinitrophenol	Ave	0.1150	0.0988	0.0500	42900	50000	-14.1	25.0
Dibenzofuran	Ave	1.506	1.508	0.0500	50100	50000	0.2	25.0
2,4-Dinitrotoluene	Ave	0.2998	0.3193	0.0500	53200	50000	6.5	25.0
4-Nitrophenol	Ave	0.1557	0.1524	0.0500	48900	50000	-2.1	25.0
Diethyl phthalate	Ave	1.029	1.094	0.0500	53200	50000	6.3	25.0
Fluorene	Ave	1.151	1.182	0.0500	51400	50000	2.7	25.0
4-Chlorophenyl phenyl ether	Ave	0.5648	0.5830	0.0500	51600	50000	3.2	25.0
4-Nitroaniline	Ave	0.1878	0.1934	0.0500	51500	50000	3.0	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1340	0.1253	0.0500	46700	50000	-6.5	25.0
N-Nitrosodiphenylamine	Ave	0.6031	0.6125	0.0500	50800	50000	1.5	25.0
1,2-Diphenylhydrazine	Ave	1.092	1.030	0.0500	47200	50000	-5.6	25.0
4-Bromophenyl phenyl ether	Ave	0.2388	0.2450	0.0500	51300	50000	2.6	25.0
Hexachlorobenzene	Ave	0.2355	0.2303	0.0500	48900	50000	-2.2	25.0
Atrazine	Ave	0.1934	0.2027	0.0500	52400	50000	4.8	25.0
Pentachlorophenol	Ave	0.1260	0.1316	0.0500	52200	50000	4.4	25.0
Phenanthrene	Ave	1.108	1.123	0.0500	50700	50000	1.3	25.0
Anthracene	Ave	1.112	1.129	0.0500	50800	50000	1.6	25.0
Carbazole	Ave	0.8585	0.8938	0.0500	52100	50000	4.1	25.0
Di-n-butyl phthalate	Ave	1.089	1.184	0.0500	54400	50000	8.7	25.0
Fluoranthene	Ave	0.8608	0.9474	0.0500	55000	50000	10.1	25.0
Benzidine	Ave	0.0389	0.0518	0.0500	66600	50000	33.2*	25.0
Pyrene	Ave	1.813	1.749	0.0500	48200	50000	-3.5	25.0
Butyl benzyl phthalate	Ave	0.6606	0.7399	0.0500	56000	50000	12.0	25.0
2,3,7,8-TCDD	Ave	0.1534	0.1549	0.0500	505	500	1.0	25.0
Benzo[a]anthracene	Ave	1.186	1.230	0.0500	51900	50000	3.7	25.0
3,3'-Dichlorobenzidine	Ave	0.2855	0.3064	0.0500	53700	50000	7.3	25.0
Chrysene	Ave	1.186	1.213	0.0500	51100	50000	2.3	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.8879	0.9850	0.0500	55500	50000	10.9	25.0
Di-n-octyl phthalate	Ave	1.461	1.793	0.0500	61400	50000	22.7	25.0
Benzo[b]fluoranthene	Ave	1.097	1.108	0.0500	50500	50000	1.1	25.0
Benzo[k]fluoranthene	Ave	1.209	1.431	0.0500	59200	50000	18.4	25.0
Benzo[a]pyrene	Ave	0.8622	0.9635	0.0500	55900	50000	11.7	25.0
Indeno[1,2,3-cd]pyrene	Ave	0.7789	0.7243	0.0500	46500	50000	-7.0	25.0
Dibenz(a,h)anthracene	Ave	0.8138	0.8585	0.0500	52700	50000	5.5	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Lab Sample ID: CCV 460-134519/1 Calibration Date: 11/06/2012 02:23
 Instrument ID: BNAMS5 Calib Start Date: 10/17/2012 05:10
 GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 10/17/2012 07:15
 Lab File ID: x31655.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	0.9043	0.8833	0.0500	48800	50000	-2.3	25.0
2-Fluorophenol (Surr)	Ave	1.230	1.166	0.0500	47400	50000	-5.2	25.0
Phenol-d5 (Surr)	Ave	1.413	1.308	0.0500	46300	50000	-7.4	25.0
Nitrobenzene-d5 (Surr)	Ave	0.3540	0.3475	0.0500	49100	50000	-1.8	25.0
2-Fluorobiphenyl	Ave	1.454	1.392	0.0500	47800	50000	-4.3	25.0
2,4,6-Tribromophenol (Surr)	Ave	0.1219	0.1222	0.0500	50100	50000	0.3	25.0
Terphenyl-d14 (Surr)	Ave	1.178	1.134	0.0500	48100	50000	-3.8	25.0

Data File: /chem/BNAMS5.i/8270/10-17-12del/06nov12br.b/x31655.d
 Report Date: 06-Nov-2012 03:20

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/10-17-12del/06nov12br.b/x31655.d
 Lab Smp Id: CCV-1785657
 Inj Date : 06-NOV-2012 02:23
 Operator : BNAMS 4
 Smp Info : CCV-1785657
 Misc Info :
 Comment :
 Method : /chem/BNAMS5.i/8270/10-17-12del/06nov12br.b/8270Cdel_08.m
 Meth Date : 06-Nov-2012 03:20 wahied
 Cal Date : 06-NOV-2012 02:23
 Als bottle: 5
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS5.i

Quant Type: ISTD

Cal File: x31655.d

Continuing Calibration Sample

Compound Sublist: all.sub

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	0.881	0.881 (0.273)	430611	50.0000	44		
19 N-Nitrosodimethylamine	74	1.063	1.063 (0.330)	568673	50.0000	46		
71 Pyridine	79	1.075	1.075 (0.334)	1024980	50.0000	49		
\$ 16 2-Fluorophenol (SUR)	112	2.034	2.034 (0.631)	1002102	50.0000	47		
110 Benzaldehyde	77	2.781	2.781 (0.863)	239802	50.0000	39		
\$ 17 Phenol-d5 (SUR)	99	2.928	2.928 (0.909)	1124639	50.0000	46		
1 Phenol	94	2.940	2.940 (0.912)	1112586	50.0000	42		
73 Aniline	93	2.904	2.904 (0.901)	1364490	50.0000	52		
20 bis(2-Chloroethyl)ether	93	2.987	2.987 (0.927)	1009558	50.0000	45		
2 2-Chlorophenol	128	3.022	3.022 (0.938)	1176237	50.0000	49		
113 n-decane	43	3.098	3.098 (0.962)	1025611	50.0000	45		
21 1,3-Dichlorobenzene	146	3.163	3.163 (0.982)	1387037	50.0000	49		
* 79 1,4-Dichlorobenzene-d4	152	3.222	3.222 (1.000)	687695	40.0000			
22 1,4-Dichlorobenzene	146	3.240	3.240 (1.005)	1401030	50.0000	49		
74 Benzyl Alcohol	108	3.404	3.404 (1.057)	630455	50.0000	48		

Data File: /chem/BNAMS5.i/8270/10-17-12del/06nov12br.b/x31655.d
 Report Date: 06-Nov-2012 03:20

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.393	3.393	(1.053)	1298502	50.0000	50
3 2-Methylphenol	108	3.557	3.557	(1.104)	877144	50.0000	47(H)
24 bis (2-chloroisopropyl) ether	45	3.540	3.540	(1.099)	1085070	50.0000	46
104 Acetophenone	105	3.669	3.669	(1.139)	1300127	50.0000	48
4 4-Methylphenol	108	3.722	3.722	(1.155)	888731	50.0000	48
121 3 & 4 Methylphenol	108	3.722	3.722	(1.155)	888731	50.0000	48
25 N-Nitroso-di-n-propylamine	70	3.692	3.692	(1.146)	659452	50.0000	51
26 Hexachloroethane	117	3.740	3.740	(1.161)	518405	50.0000	49
\$ 76 Nitrobenzene-d5 (SUR)	82	3.810	3.810	(0.840)	1046422	50.0000	49
107 N,N-Dimethylaniline	120	3.840	3.840	(1.192)	1595555	50.0000	50
27 Nitrobenzene	77	3.834	3.834	(0.846)	1386080	50.0000	48
28 Isophorone	82	4.087	4.087	(0.901)	1572032	50.0000	51
5 2-Nitrophenol	139	4.157	4.157	(0.917)	609383	50.0000	53
6 2,4-Dimethylphenol	122	4.257	4.257	(0.939)	849989	50.0000	49
29 bis(2-Chloroethoxy)methane	93	4.340	4.340	(0.957)	1023710	50.0000	50
7 2,4-Dichlorophenol	162	4.422	4.422	(0.975)	779436	50.0000	51
30 1,2,4-Trichlorobenzene	180	4.487	4.487	(0.990)	972281	50.0000	51
* 80 Naphthalene-d8	136	4.534	4.534	(1.000)	2408830	40.0000	
31 Naphthalene	128	4.551	4.551	(1.004)	3062940	50.0000	50
32 4-Chloroaniline	127	4.634	4.634	(1.022)	1044285	50.0000	55
33 Hexachlorobutadiene	225	4.704	4.704	(1.038)	561790	50.0000	51
111 Caprolactam	113	5.034	5.034	(1.110)	177117	50.0000	53
8 4-Chloro-3-methylphenol	107	5.175	5.175	(1.141)	690307	50.0000	52
34 2-Methylnaphthalene	142	5.251	5.251	(1.158)	1870814	50.0000	52
120 1-Methylnaphthalene	142	5.345	5.345	(1.179)	1868833	50.0000	50
35 Hexachlorocyclopentadiene	237	5.422	5.422	(0.865)	443442	50.0000	44
9 2,4,6-Trichlorophenol	196	5.557	5.557	(0.886)	491445	50.0000	49
10 2,4,5-Trichlorophenol	196	5.598	5.598	(0.893)	502785	50.0000	50
\$ 77 2-Fluorobiphenyl (SUR)	172	5.639	5.639	(0.900)	1819602	50.0000	48
102 Diphenyl	154	5.728	5.728	(0.914)	2101439	50.0000	49
36 2-Chloronaphthalene	162	5.728	5.728	(0.914)	1542700	50.0000	48
103 Diphenyl Ether	170	5.834	5.834	(0.931)	1124057	50.0000	49
37 2-Nitroaniline	65	5.857	5.857	(0.934)	371917	50.0000	50
38 Dimethylphthalate	163	6.063	6.063	(0.967)	1503472	50.0000	51
114 Coumarin	146	6.045	6.045	(1.333)	486210	50.0000	54
40 2,6-Dinitrotoluene	165	6.104	6.104	(0.974)	355982	50.0000	54
39 Acenaphthylene	152	6.128	6.128	(0.977)	2354637	50.0000	49
41 3-Nitroaniline	138	6.263	6.263	(0.999)	329843	50.0000	51
* 82 Acenaphthene-d10	164	6.269	6.269	(1.000)	1046045	40.0000	
42 Acenaphthene	154	6.298	6.298	(1.005)	1411463	50.0000	50
11 2,4-Dinitrophenol	184	6.363	6.363	(1.015)	129134	50.0000	43
12 4-Nitrophenol	65	6.492	6.492	(1.036)	199305	50.0000	49
44 2,4-Dinitrotoluene	165	6.492	6.492	(1.036)	417509	50.0000	53
43 Dibenzofuran	168	6.469	6.469	(1.032)	1972411	50.0000	50
45 Diethylphthalate	149	6.751	6.751	(1.077)	1430547	50.0000	53
46 4-Chlorophenyl-phenylether	204	6.822	6.822	(1.088)	762364	50.0000	52
47 Fluorene	166	6.798	6.798	(1.084)	1545699	50.0000	51

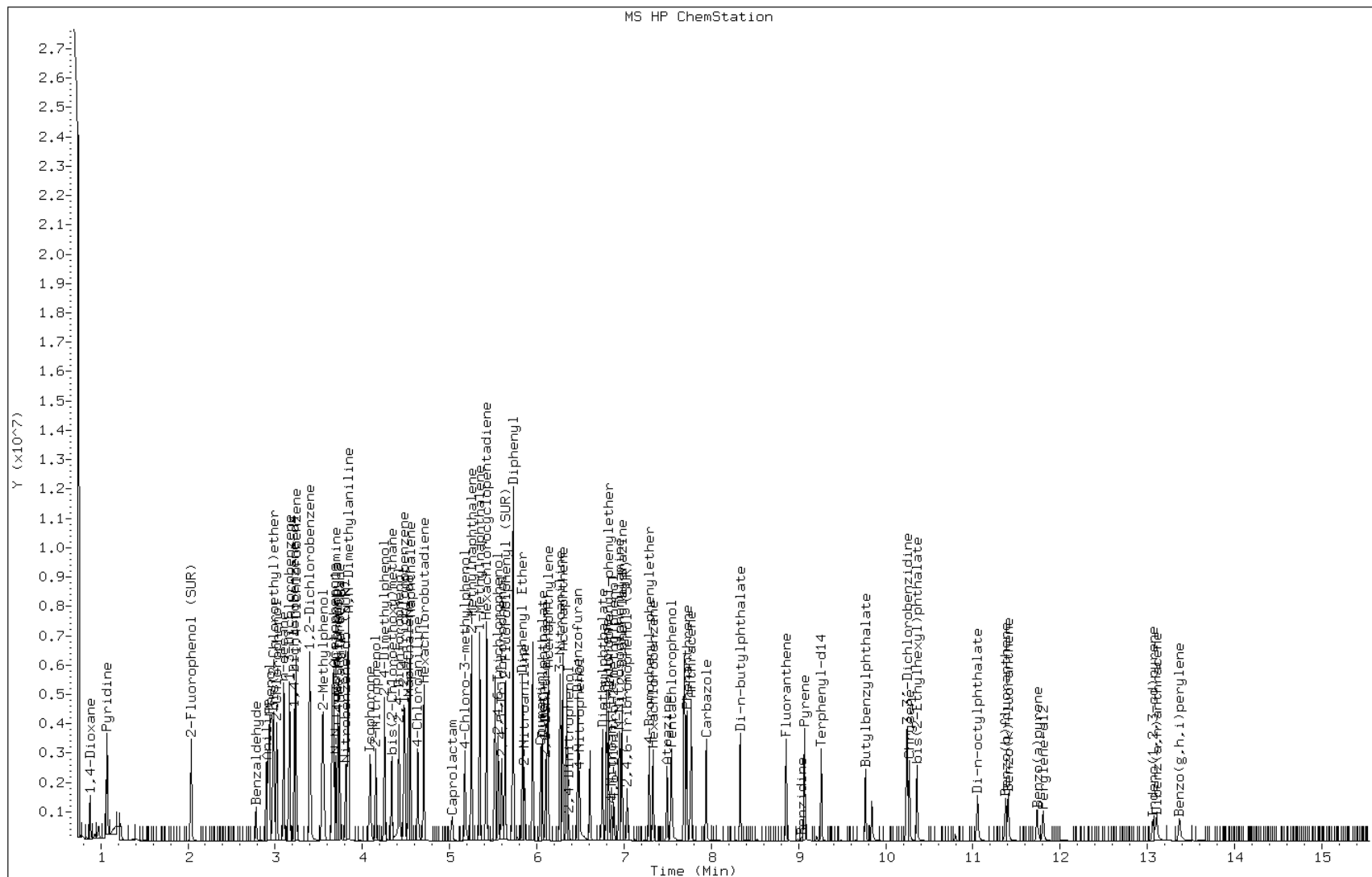
Data File: /chem/BNAMS5.i/8270/10-17-12del/06nov12br.b/x31655.d
 Report Date: 06-Nov-2012 03:20

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	6.857	6.857	(1.094)	252905	50.0000	51
13 4,6-Dinitro-2-methylphenol	198	6.881	6.881	(0.894)	192172	50.0000	47
49 N-Nitrosodiphenylamine	169	6.945	6.945	(0.902)	939701	50.0000	51
75 1,2-Diphenylhydrazine	77	6.975	6.975	(0.906)	1580913	50.0000	47
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.039	7.039	(1.123)	159804	50.0000	50
50 4-Bromophenyl-phenylether	248	7.292	7.292	(0.947)	375834	50.0000	51
51 Hexachlorobenzene	284	7.333	7.333	(0.953)	353318	50.0000	49
112 Atrazine	200	7.492	7.492	(0.973)	311046	50.0000	52
14 Pentachlorophenol	266	7.539	7.539	(0.979)	201880	50.0000	52
* 83 Phenanthrene-d10	188	7.698	7.698	(1.000)	1227469	40.0000	
52 Phenanthrene	178	7.722	7.722	(1.003)	1722334	50.0000	51
53 Anthracene	178	7.769	7.769	(1.009)	1732421	50.0000	51
54 Carbazole	167	7.945	7.945	(1.032)	1371313	50.0000	52
55 Di-n-butylphthalate	149	8.333	8.333	(1.083)	1817290	50.0000	54
56 Fluoranthene	202	8.857	8.857	(1.151)	1453638	50.0000	55
58 Benzidine	184	9.033	9.033	(1.173)	79472	50.0000	66
57 Pyrene	202	9.069	9.069	(0.885)	1386695	50.0000	48
\$ 78 Terphenyl-d14	244	9.263	9.263	(0.904)	899022	50.0000	48
59 Butylbenzylphthalate	149	9.769	9.769	(0.953)	586675	50.0000	56
109 2,3,7,8-TCDD (Screen)	320	9.816	9.816	(0.958)	1228	0.50000	0.50
60 3,3'-Dichlorobenzidine	252	10.245	10.245	(1.000)	242947	50.0000	54
61 Benzo(a)anthracene	228	10.239	10.239	(0.999)	974924	50.0000	52
* 81 Chrysene-d12	240	10.245	10.245	(1.000)	634307	40.0000	
62 Chrysene	228	10.269	10.269	(1.002)	961621	50.0000	51
63 bis(2-Ethylhexyl)phthalate	149	10.357	10.357	(1.011)	781017	50.0000	55
64 Di-n-octylphthalate	149	11.051	11.051	(0.936)	1079947	50.0000	61
65 Benzo(b)fluoranthene	252	11.374	11.374	(0.964)	667650	50.0000	50
66 Benzo(k)fluoranthene	252	11.404	11.404	(0.966)	861904	50.0000	59
67 Benzo(a)pyrene	252	11.739	11.739	(0.995)	580443	50.0000	56
* 84 Perylene-d12	264	11.804	11.804	(1.000)	481962	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.062	13.062	(1.107)	436329	50.0000	46
69 Dibenz(a,h)anthracene	278	13.104	13.104	(1.110)	517217	50.0000	53
70 Benzo(g,h,i)perylene	276	13.368	13.368	(1.133)	532149	50.0000	49

QC Flag Legend

H - Operator selected an alternate compound hit.

Operator: BNAMS 4



Data File: /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31132.d
Report Date: 31-Oct-2012 13:49

TestAmerica

Data file : /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31132.d
Lab Smp Id: DFTPP-1653831
Inj Date : 17-OCT-2012 04:25
Operator : BNA2
Smp Info : DFTPP-1653831
Misc Info : 25 ppm bna 4687
Comment :
Method : /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/BNADFTPP.m
Meth Date : 10-Oct-2012 04:39 asfawa
Cal Date : 11-JAN-2010 13:45
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50

Inst ID: BNAMS5.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 #:				
4.716	5.000	-0.284	198	52722			0.00-	100.00	100.00
4.716	5.000	-0.284	51	21832			30.00-	60.00	41.41
4.716	5.000	-0.284	68	432			0.00-	2.00	1.88
4.716	5.000	-0.284	69	23037			0.00-	0.00	43.70
4.716	5.000	-0.284	70	136			0.00-	2.00	0.59
4.716	5.000	-0.284	127	28669			40.00-	60.00	54.38
4.716	5.000	-0.284	197	400			0.00-	1.00	0.76
4.716	5.000	-0.284	199	3450			5.00-	9.00	6.54
4.716	5.000	-0.284	275	14345			10.00-	30.00	27.21
4.716	5.000	-0.284	365	1873			1.00-	0.00	3.55
4.716	5.000	-0.284	441	4642			0.01-	100.00	86.28
4.716	5.000	-0.284	442	30012			40.00-	110.00	56.93
4.716	5.000	-0.284	443	5380			17.00-	23.00	17.93

Data File: x31132.d

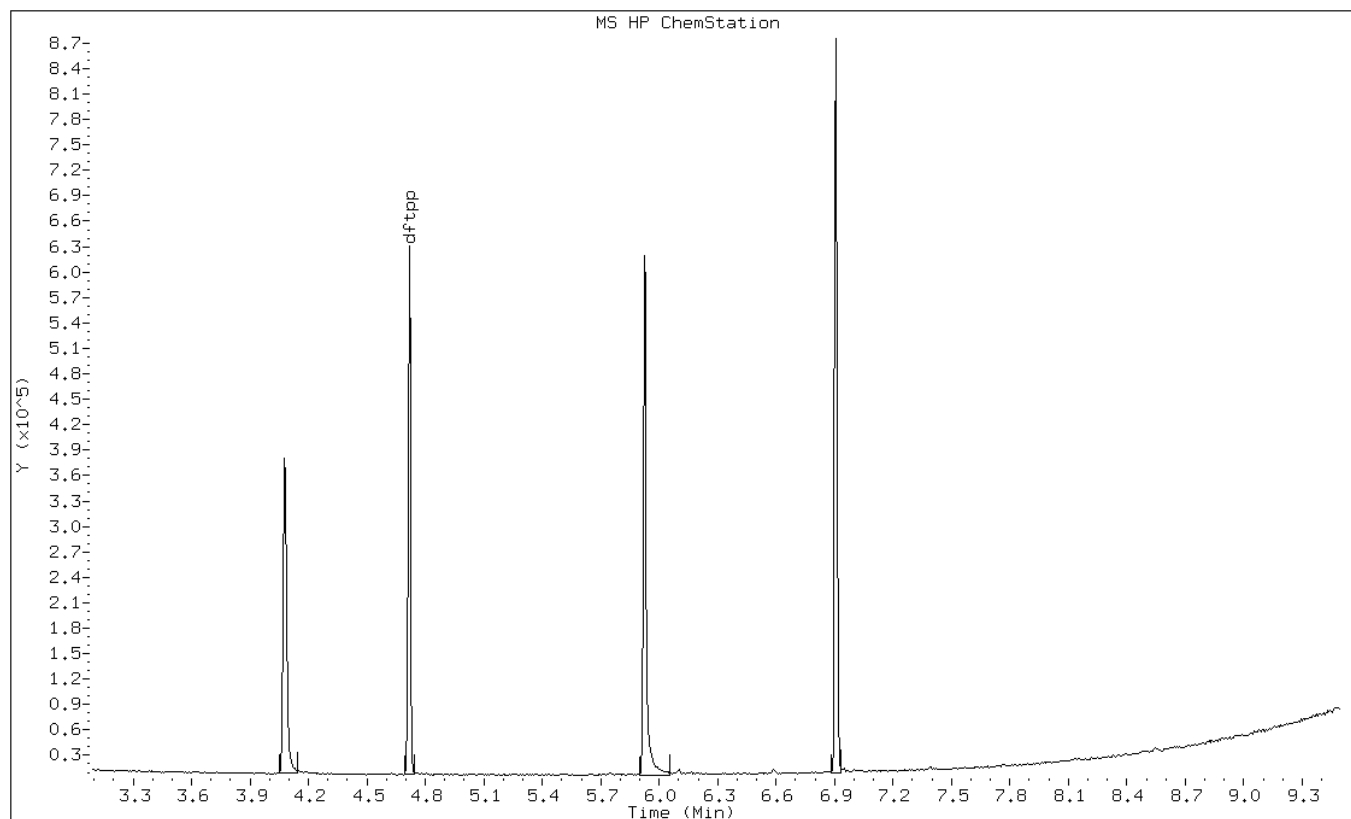
Date: 17-OCT-2012 04:25

Client ID:

Instrument: BNAMS5.i

Sample Info: DFTPP-1653831

Operator: BNA2



Data File: x31132.d

Date: 17-OCT-2012 04:25

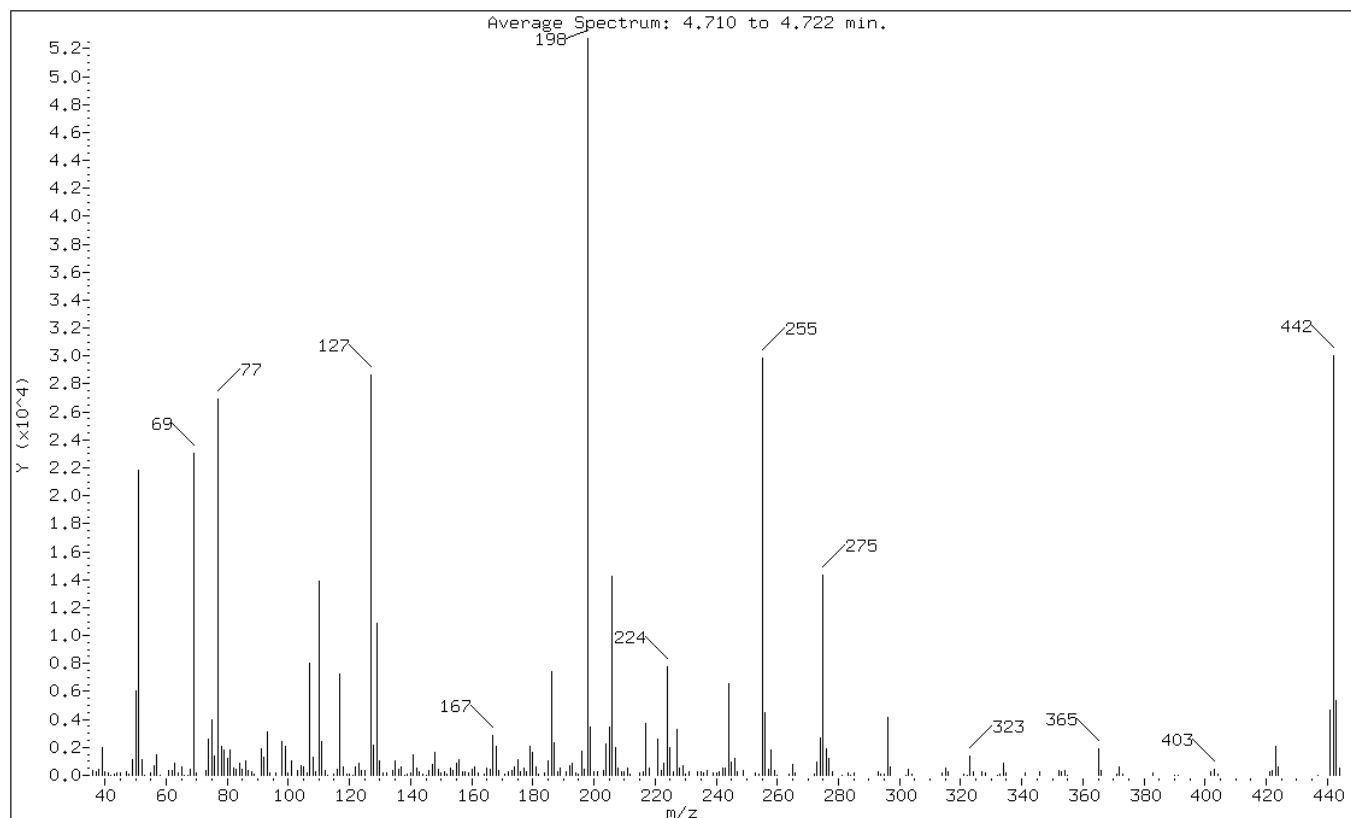
Client ID:

Instrument: BNAMS5.i

Sample Info: DFTPP-1653831

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	41.41
68	Less than 2.00% of mass 69	0.82 (1.88)
69	Mass 69 relative abundance	43.70
70	Less than 2.00% of mass 69	0.26 (0.59)
127	40.00 - 60.00% of mass 198	54.38
197	Less than 1.00% of mass 198	0.76
199	5.00 - 9.00% of mass 198	6.54
275	10.00 - 30.00% of mass 198	27.21
365	Greater than 1.00% of mass 198	3.55
441	0.01 - 100.00% of mass 443	8.80 (86.28)
442	40.00 - 110.00% of mass 198	56.93
443	17.00 - 23.00% of mass 442	10.20 (17.93)

Data File: x31132.d

Date: 17-OCT-2012 04:25

Client ID:

Instrument: BNAMS5.i

Sample Info: DFTPP-1653831

Operator: BNA2

Data File: /chem/BNAMS5.i/8270/10-17-12del/17oct12.b/x31132.d

Spectrum: Average Spectrum: 4.710 to 4.722 min.

Location of Maximum: 198.00

Number of points: 257

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	328	111.00	2378	181.00	638	260.00	37
37.00	222	112.00	335	182.00	51	264.00	52
38.00	453	113.00	33	184.00	130	265.00	752
39.00	1993	115.00	84	185.00	1045	266.00	175
40.00	223	116.00	431	186.00	7429	272.00	117
41.00	168	117.00	7261	187.00	2324	273.00	953
42.00	36	118.00	575	188.00	277	274.00	2666
43.00	84	119.00	49	189.00	503	275.00	14345
44.00	161	120.00	102	191.00	270	276.00	1876
45.00	151	121.00	39	192.00	654	277.00	1203
47.00	218	122.00	575	193.00	867	278.00	246
48.00	90	123.00	847	194.00	211	281.00	37
49.00	1152	124.00	353	195.00	82	283.00	156
50.00	6021	125.00	368	196.00	1739	284.00	43
51.00	21832	127.00	28664	197.00	400	285.00	183
52.00	1137	128.00	2131	198.00	52720	293.00	286
53.00	43	129.00	10880	199.00	3450	294.00	89
55.00	168	130.00	1053	200.00	241	295.00	93
56.00	708	131.00	171	201.00	271	296.00	4144
57.00	1504	132.00	132	203.00	364	297.00	583
58.00	35	134.00	374	204.00	2203	302.00	37
61.00	339	135.00	993	205.00	3410	303.00	461
62.00	330	136.00	389	206.00	14221	304.00	120
63.00	889	137.00	563	207.00	1963	314.00	211
64.00	169	138.00	36	208.00	531	315.00	541
65.00	634	139.00	46	209.00	217	316.00	247
66.00	35	140.00	189	210.00	238	321.00	111
67.00	33	141.00	1504	211.00	484	322.00	35
68.00	432	142.00	480	212.00	90	323.00	1384
69.00	23032	143.00	287	215.00	163	324.00	221
70.00	136	144.00	44	216.00	249	327.00	257
73.00	385	145.00	34	217.00	3739	328.00	137
74.00	2609	146.00	318	218.00	490	332.00	36
75.00	4008	147.00	767	221.00	2630	333.00	119
76.00	1407	148.00	1637	222.00	317	334.00	863
77.00	26896	149.00	397	223.00	875	335.00	201
78.00	2087	150.00	154	224.00	7731	341.00	149
79.00	1788	151.00	244	225.00	1951	346.00	242
80.00	1191	152.00	92	226.00	299	352.00	357
81.00	1832	153.00	544	227.00	3279	353.00	240

82.00	553	154.00	370	228.00	491	354.00	348
83.00	430	155.00	847	229.00	732	355.00	42
84.00	820	156.00	1146	230.00	77	365.00	1873
85.00	394	157.00	263	231.00	275	366.00	320
86.00	1021	158.00	246	234.00	232	371.00	86
+-----+-----+-----+-----+-----+-----+-----+-----+							
87.00	311	159.00	202	235.00	217	372.00	609
88.00	223	160.00	471	236.00	192	373.00	128
89.00	90	161.00	596	237.00	369	383.00	171
91.00	1875	162.00	203	239.00	146	390.00	33
92.00	1335	164.00	84	240.00	136	391.00	36
+-----+-----+-----+-----+-----+-----+-----+-----+							
93.00	3082	165.00	541	241.00	231	402.00	261
94.00	202	166.00	421	242.00	539	403.00	402
96.00	169	167.00	2862	243.00	494	404.00	124
98.00	2411	168.00	2090	244.00	6528	421.00	268
99.00	2099	169.00	342	245.00	933	422.00	306
+-----+-----+-----+-----+-----+-----+-----+-----+							
100.00	196	171.00	117	246.00	1243	423.00	2030
101.00	1005	172.00	235	247.00	232	424.00	633
103.00	387	173.00	341	249.00	319	437.00	33
104.00	651	174.00	579	253.00	197	441.00	4642
105.00	623	175.00	1116	254.00	107	442.00	30008
+-----+-----+-----+-----+-----+-----+-----+-----+							
106.00	213	176.00	300	255.00	29880	443.00	5380
107.00	7985	177.00	511	256.00	4516	444.00	535
108.00	1279	178.00	226	257.00	425		
109.00	229	179.00	2088	258.00	1823		
110.00	13925	180.00	1655	259.00	377		
+-----+-----+-----+-----+-----+-----+-----+-----+							

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31501.d
 Report Date: 31-Oct-2012 14:21

TestAmerica

Data file : /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31501.d
 Lab Smp Id: DFTPP-1653831
 Inj Date : 31-OCT-2012 14:34
 Operator : BNA2
 Smp Info : DFTPP-1653831
 Misc Info : 25 ppm bna 4687
 Comment :
 Method : /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/BNADFTPP.m
 Meth Date : 31-Oct-2012 14:20 croccom
 Cal Date : 11-JAN-2010 13:45
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: BNAMS5.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 #:				
4.510	4.510	0.000	198	40696			0.00- 100.00	100.00	
4.510	4.510	0.000	51	14713			30.00- 60.00	36.15	
4.510	4.510	0.000	68	268			0.00- 2.00	1.63	
4.510	4.510	0.000	69	16459			0.00- 0.00	40.44	
4.510	4.510	0.000	70	102			0.00- 2.00	0.62	
4.510	4.510	0.000	127	22225			40.00- 60.00	54.61	
4.510	4.510	0.000	197	0			0.00- 1.00	0.00	
4.510	4.510	0.000	199	2820			5.00- 9.00	6.93	
4.510	4.510	0.000	275	11042			10.00- 30.00	27.13	
4.510	4.510	0.000	365	1331			1.00- 0.00	3.27	
4.510	4.510	0.000	441	3580			0.01- 100.00	84.26	
4.510	4.510	0.000	442	22705			40.00- 110.00	55.79	
4.510	4.510	0.000	443	4249			17.00- 23.00	18.71	

Data File: x31501.d

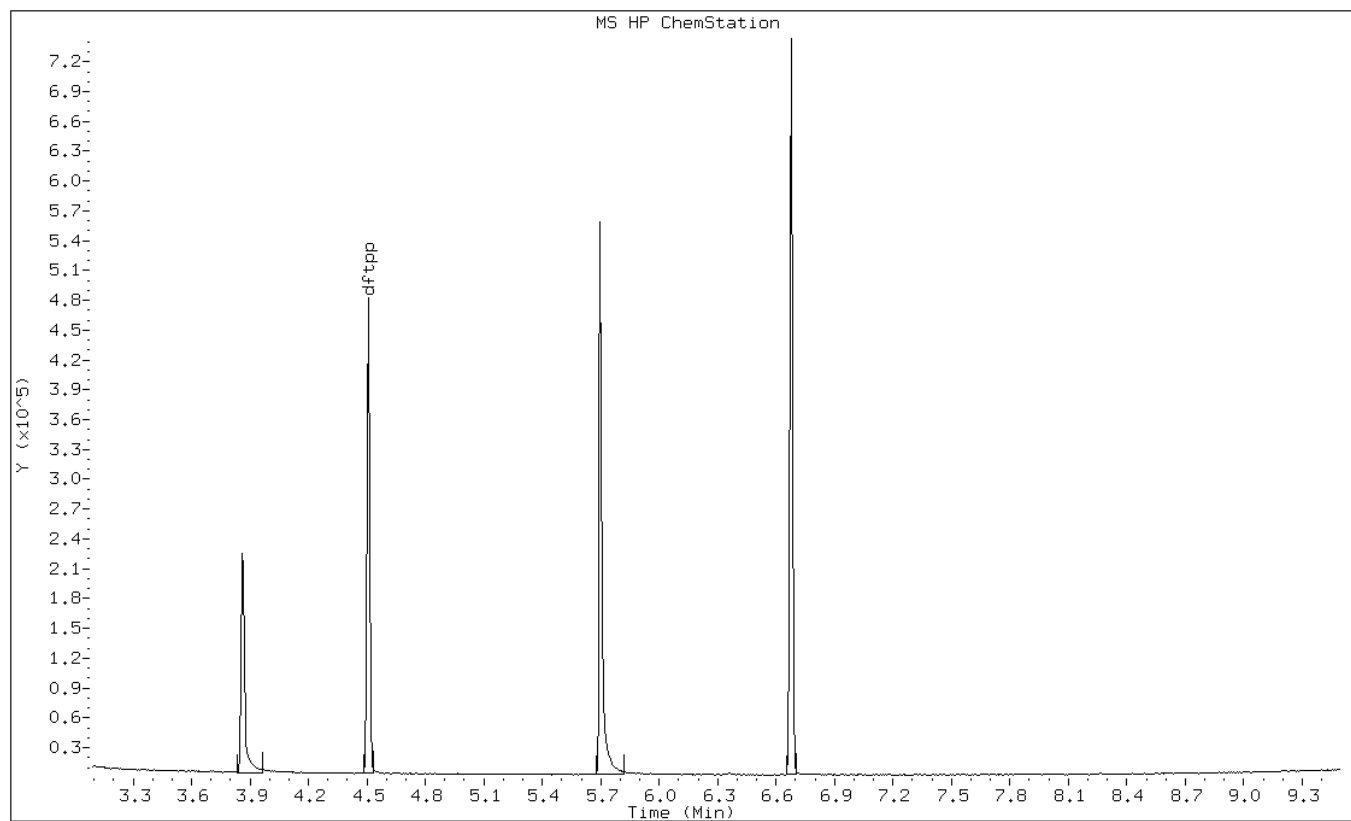
Date: 31-OCT-2012 14:34

Client ID:

Instrument: BNAMS5.i

Sample Info: DFTPP-1653831

Operator: BNA2



Data File: x31501.d

Date: 31-OCT-2012 14:34

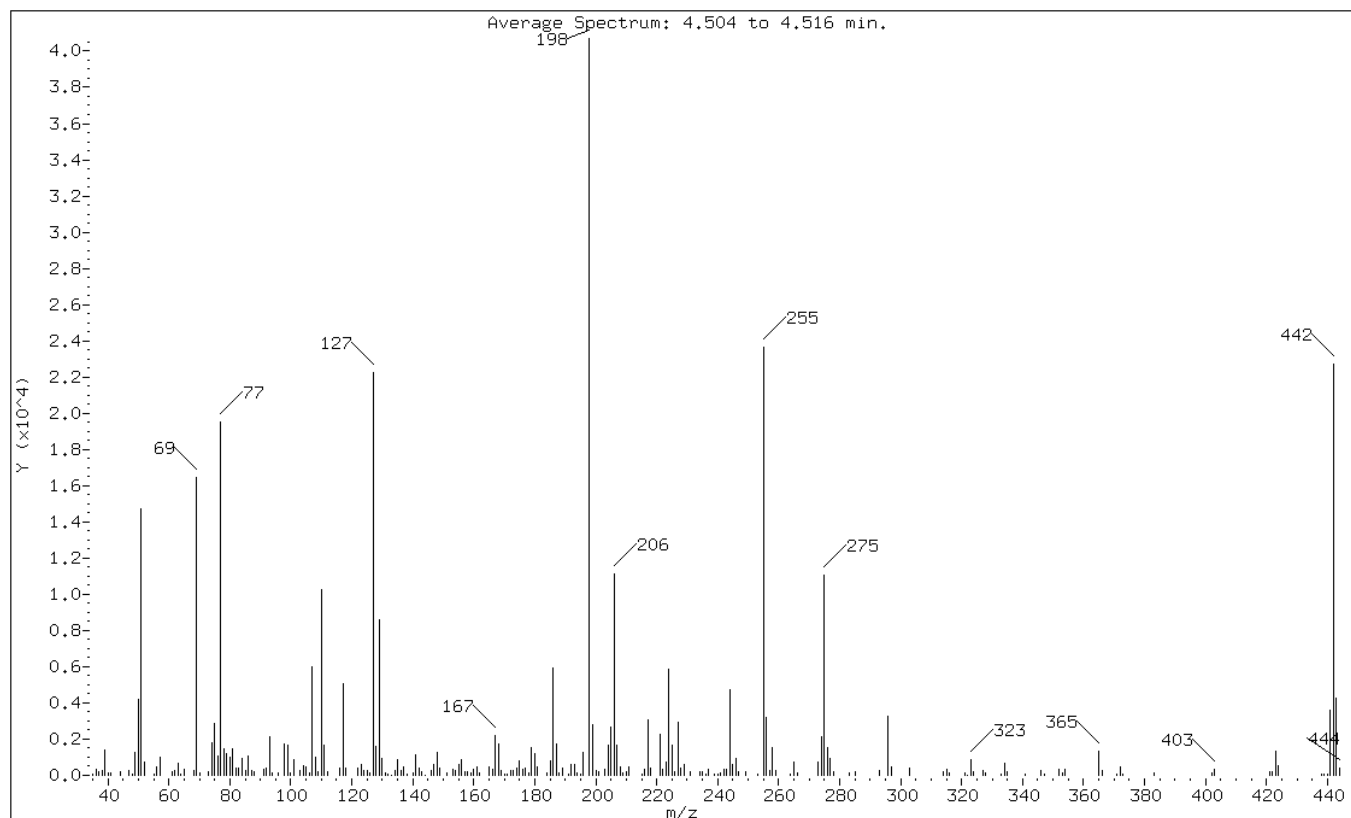
Client ID:

Instrument: BNAMS5.i

Sample Info: DFTPP-1653831

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	36.15
68	Less than 2.00% of mass 69	0.66 (1.63)
69	Mass 69 relative abundance	40.44
70	Less than 2.00% of mass 69	0.25 (0.62)
127	40.00 - 60.00% of mass 198	54.61
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.93
275	10.00 - 30.00% of mass 198	27.13
365	Greater than 1.00% of mass 198	3.27
441	0.01 - 100.00% of mass 443	8.80 (84.26)
442	40.00 - 110.00% of mass 198	55.79
443	17.00 - 23.00% of mass 442	10.44 (18.71)

Data File: x31501.d

Date: 31-OCT-2012 14:34

Client ID:

Instrument: BNAMS5.i

Sample Info: DFTPP-1653831

Operator: BNA2

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31501.d

Spectrum: Average Spectrum: 4.504 to 4.516 min.

Location of Maximum: 198.00

Number of points: 228

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	71	111.00	1680	181.00	465	258.00	1545
36.00	308	112.00	210	184.00	145	259.00	237
37.00	177	116.00	397	185.00	772	264.00	34
38.00	270	117.00	5090	186.00	5947	265.00	702
39.00	1406	118.00	424	187.00	1756	266.00	126
40.00	158	122.00	419	188.00	129	273.00	739
41.00	115	123.00	600	189.00	368	274.00	2101
44.00	227	124.00	286	191.00	89	275.00	11042
47.00	283	125.00	251	192.00	569	276.00	1557
48.00	92	126.00	113	193.00	587	277.00	955
49.00	1244	127.00	22224	194.00	104	278.00	203
50.00	4198	128.00	1598	195.00	41	283.00	161
51.00	14713	129.00	8563	196.00	1288	285.00	176
52.00	758	130.00	920	198.00	40696	293.00	269
55.00	82	131.00	109	199.00	2820	296.00	3262
56.00	437	132.00	49	200.00	277	297.00	490
57.00	986	133.00	33	201.00	227	303.00	412
61.00	217	134.00	243	203.00	314	314.00	186
62.00	292	135.00	835	204.00	1666	315.00	366
63.00	676	136.00	281	205.00	2682	316.00	129
64.00	92	137.00	436	206.00	11121	321.00	103
65.00	316	138.00	43	207.00	1672	322.00	33
68.00	268	140.00	165	208.00	449	323.00	864
69.00	16456	141.00	1110	209.00	151	324.00	198
70.00	102	142.00	373	210.00	176	327.00	234
73.00	196	143.00	211	211.00	468	328.00	136
74.00	1787	144.00	33	215.00	47	333.00	69
75.00	2850	146.00	239	216.00	301	334.00	667
76.00	1036	147.00	596	217.00	3031	335.00	167
77.00	19544	148.00	1239	218.00	412	341.00	87
78.00	1476	149.00	386	221.00	2243	346.00	236
79.00	1214	151.00	137	222.00	313	347.00	39
80.00	1025	153.00	350	223.00	715	352.00	317
81.00	1443	154.00	275	224.00	5884	353.00	152
82.00	396	155.00	569	225.00	1638	354.00	345
83.00	430	156.00	887	226.00	176	365.00	1331
84.00	903	157.00	186	227.00	2919	366.00	283
85.00	297	158.00	217	228.00	426	371.00	45
86.00	1054	159.00	155	229.00	625	372.00	481
87.00	243	160.00	305	231.00	178	373.00	83

88.00	184	161.00	492	234.00	210	383.00	131
91.00	357	162.00	143	235.00	222	402.00	127
92.00	374	165.00	442	236.00	70	403.00	312
93.00	2141	166.00	321	237.00	309	421.00	212
94.00	112	167.00	2202	239.00	49	422.00	198
+-----+							
96.00	136	168.00	1761	240.00	88	423.00	1353
98.00	1711	169.00	269	241.00	149	424.00	546
99.00	1677	170.00	76	242.00	339	438.00	35
100.00	139	171.00	35	243.00	359	439.00	35
101.00	877	172.00	248	244.00	4703	440.00	39
+-----+							
103.00	279	173.00	284	245.00	577	441.00	3580
104.00	559	174.00	410	246.00	905	442.00	22704
105.00	495	175.00	800	247.00	203	443.00	4249
106.00	160	176.00	313	249.00	171	444.00	420
107.00	5986	177.00	394	253.00	67		
+-----+							
108.00	1007	178.00	131	255.00	23648		
109.00	233	179.00	1520	256.00	3196		
110.00	10253	180.00	1196	257.00	245		
+-----+							

Data File: /chem/BNAMS5.i/8270/10-17-12del/06nov12.b/x31651.d
 Report Date: 06-Nov-2012 02:27

TestAmerica

Data file : /chem/BNAMS5.i/8270/10-17-12del/06nov12.b/x31651.d
 Lab Smp Id: DFTPP-1653831
 Inj Date : 06-NOV-2012 00:41
 Operator : BNAMS3
 Smp Info : DFTPP-1653831
 Misc Info : 25 ppm bna 4687
 Comment :
 Method : /chem/BNAMS5.i/8270/10-17-12del/06nov12.b/BNADFTPP.m
 Meth Date : 06-Nov-2012 02:26 asfawa
 Cal Date : 11-JAN-2010 13:45
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: BNAMS5.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 #:				
4.399	4.395	0.004	198	37768			0.00-	100.00	100.00
4.399	4.395	0.004	51	14012			30.00-	60.00	37.10
4.399	4.395	0.004	68	263			0.00-	2.00	1.69
4.399	4.395	0.004	69	15563			0.00-	0.00	41.21
4.399	4.395	0.004	70	77			0.00-	2.00	0.49
4.399	4.395	0.004	127	20602			40.00-	60.00	54.55
4.399	4.395	0.004	197	0			0.00-	1.00	0.00
4.399	4.395	0.004	199	2543			5.00-	9.00	6.73
4.399	4.395	0.004	275	9552			10.00-	30.00	25.29
4.399	4.395	0.004	365	1164			1.00-	0.00	3.08
4.399	4.395	0.004	441	3131			0.01-	100.00	93.41
4.399	4.395	0.004	442	19295			40.00-	110.00	51.09
4.399	4.395	0.004	443	3352			17.00-	23.00	17.37

Data File: x31651.d

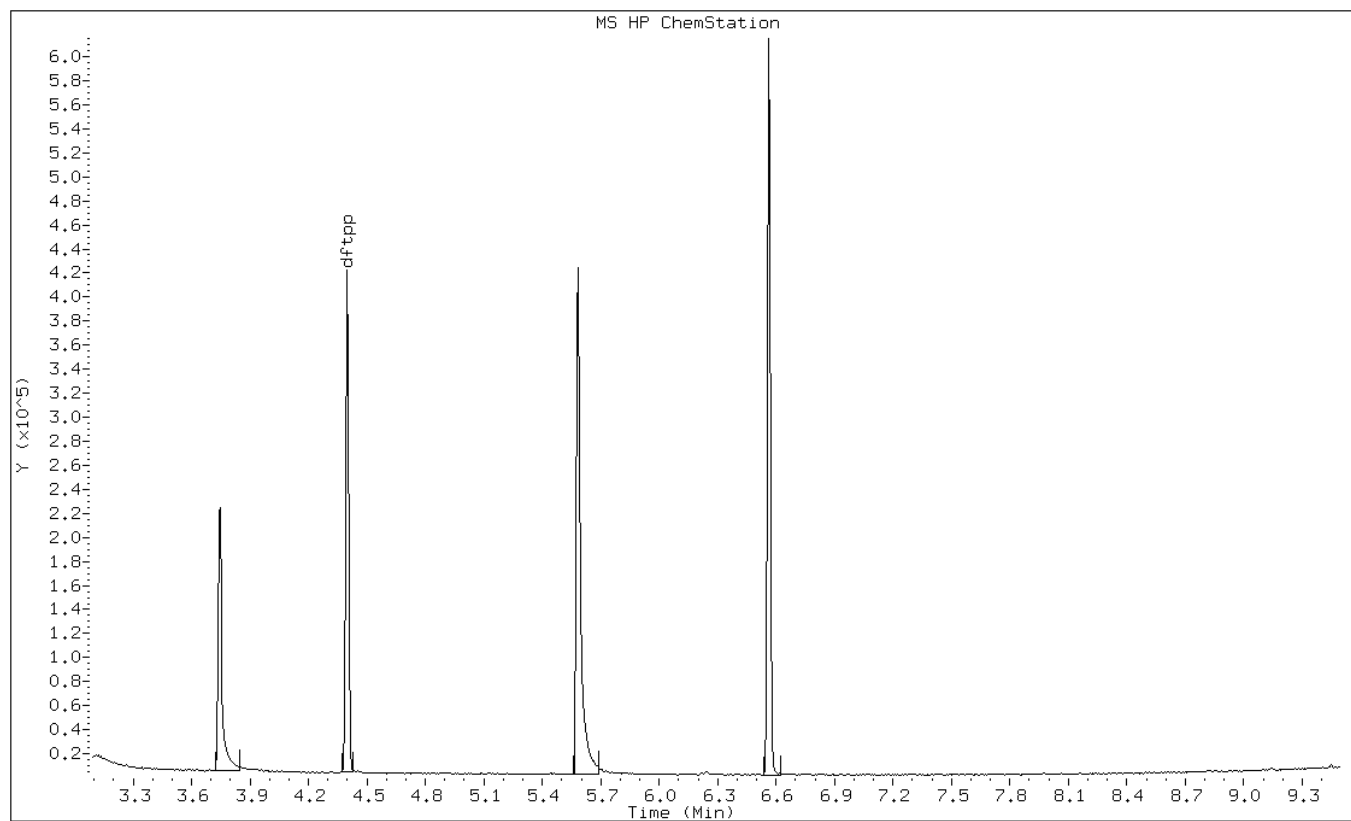
Date: 06-NOV-2012 00:41

Client ID:

Instrument: BNAMS5.i

Sample Info: DFTPP-1653831

Operator: BNAMS3



Data File: x31651.d

Date: 06-NOV-2012 00:41

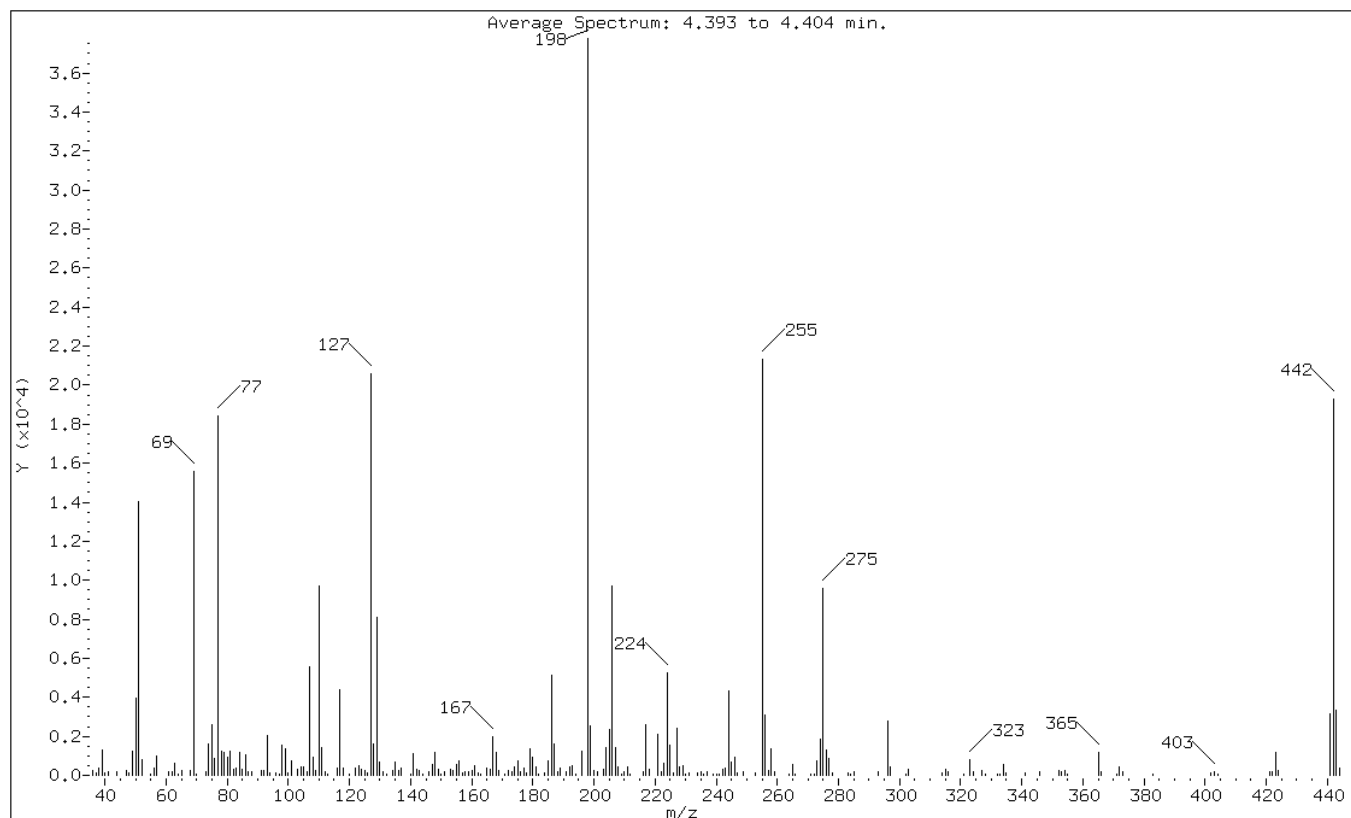
Client ID:

Instrument: BNAMS5.i

Sample Info: DFTPP-1653831

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	37.10
68	Less than 2.00% of mass 69	0.70 (1.69)
69	Mass 69 relative abundance	41.21
70	Less than 2.00% of mass 69	0.20 (0.49)
127	40.00 - 60.00% of mass 198	54.55
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.73
275	10.00 - 30.00% of mass 198	25.29
365	Greater than 1.00% of mass 198	3.08
441	0.01 - 100.00% of mass 443	8.29 (93.41)
442	40.00 - 110.00% of mass 198	51.09
443	17.00 - 23.00% of mass 442	8.88 (17.37)

Data File: x31651.d

Date: 06-NOV-2012 00:41

Client ID:

Instrument: BNAMS5.i

Sample Info: DFTPP-1653831

Operator: BNAMS3

Data File: /chem/BNAMS5.i/8270/10-17-12del/06nov12.b/x31651.d
Spectrum: Average Spectrum: 4.393 to 4.404 min.
Location of Maximum: 198.00
Number of points: 232

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	227	112.00	211	182.00	34	259.00	208
37.00	153	113.00	70	184.00	103	264.00	74
38.00	348	116.00	343	185.00	767	265.00	570
39.00	1319	117.00	4402	186.00	5154	266.00	61
40.00	127	118.00	340	187.00	1601	271.00	38
41.00	162	120.00	40	188.00	168	272.00	38
44.00	174	122.00	366	189.00	344	273.00	713
47.00	270	123.00	525	191.00	184	274.00	1863
48.00	136	124.00	282	192.00	435	275.00	9552
49.00	1233	125.00	251	193.00	495	276.00	1320
50.00	3949	126.00	140	194.00	87	277.00	874
51.00	14012	127.00	20600	196.00	1241	278.00	125
52.00	780	128.00	1600	198.00	37768	283.00	136
55.00	81	129.00	8098	199.00	2543	284.00	51
56.00	362	130.00	659	200.00	264	285.00	156
57.00	987	131.00	203	201.00	194	293.00	191
61.00	212	132.00	50	203.00	281	296.00	2801
62.00	168	134.00	236	204.00	1432	297.00	421
63.00	647	135.00	688	205.00	2352	302.00	69
64.00	49	136.00	249	206.00	9687	303.00	314
65.00	271	137.00	356	207.00	1442	314.00	115
68.00	263	140.00	84	208.00	447	315.00	336
69.00	15563	141.00	1097	209.00	36	316.00	189
70.00	77	142.00	336	210.00	208	321.00	37
73.00	180	143.00	250	211.00	458	323.00	779
74.00	1594	144.00	41	212.00	59	324.00	214
75.00	2619	146.00	209	216.00	188	327.00	226
76.00	874	147.00	528	217.00	2588	328.00	36
77.00	18408	148.00	1179	218.00	338	332.00	35
78.00	1260	149.00	304	221.00	2126	333.00	75
79.00	1161	150.00	47	222.00	209	334.00	562
80.00	926	151.00	206	223.00	633	335.00	119
81.00	1218	153.00	336	224.00	5246	341.00	111
82.00	303	154.00	250	225.00	1553	346.00	156
83.00	364	155.00	581	226.00	99	352.00	267
84.00	1151	156.00	739	227.00	2411	353.00	177
85.00	304	157.00	147	228.00	425	354.00	238
86.00	1072	158.00	200	229.00	512	355.00	37
87.00	163	159.00	174	230.00	75	365.00	1164
88.00	179	160.00	276	231.00	153	366.00	203

91.00	278	161.00	476	234.00	93	371.00	46
92.00	270	162.00	124	235.00	177	372.00	440
93.00	2037	163.00	33	236.00	83	373.00	164
94.00	121	165.00	364	237.00	159	383.00	68
96.00	97	166.00	308	239.00	88	402.00	148
97.00	36	167.00	2002	240.00	43	403.00	164
98.00	1524	168.00	1204	241.00	89	404.00	36
99.00	1389	169.00	228	242.00	308	421.00	158
100.00	118	171.00	45	243.00	346	422.00	166
101.00	750	172.00	224	244.00	4316	423.00	1195
103.00	290	173.00	211	245.00	672	424.00	221
104.00	458	174.00	450	246.00	938	441.00	3131
105.00	447	175.00	760	247.00	145	442.00	19288
106.00	164	176.00	211	249.00	167	443.00	3352
107.00	5566	177.00	348	253.00	114	444.00	378
108.00	943	178.00	113	255.00	21304		
109.00	227	179.00	1376	256.00	3103		
110.00	9707	180.00	936	257.00	265		
111.00	1451	181.00	405	258.00	1369		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-133851/1-A

Matrix: Water Lab File ID: x31511.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 10/27/2012 19:10

Sample wt/vol: 1000 (mL) Date Analyzed: 11/01/2012 00:13

Con. Extract Vol.: 2 (mL) Dilution Factor: 1

Injection Volume: 1 (uL) Level: (low/med) Low

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

Analysis Batch No.: 134248 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	2.8	U	10	2.8
108-95-2	Phenol	0.81	U	10	0.81
88-06-2	2,4,6-Trichlorophenol	2.4	U	10	2.4
111-44-4	Bis(2-chloroethyl) ether	0.28	U	1.0	0.28
120-83-2	2,4-Dichlorophenol	2.6	U	10	2.6
95-57-8	2-Chlorophenol	2.2	U	10	2.2
121-14-2	2,4-Dinitrotoluene	0.47	U	2.0	0.47
108-60-1	2,2'-oxybis[1-chloropropane]	2.0	U	10	2.0
98-86-2	Acetophenone	2.7	U	10	2.7
91-57-6	2-Methylnaphthalene	3.0	U	10	3.0
106-44-5	4-Methylphenol	1.6	U	10	1.6
95-48-7	2-Methylphenol	1.8	U	10	1.8
88-74-4	2-Nitroaniline	4.9	U	20	4.9
67-72-1	Hexachloroethane	0.25	U	1.0	0.25
98-95-3	Nitrobenzene	0.30	U	1.0	0.30
59-50-7	4-Chloro-3-methylphenol	2.5	U	10	2.5
78-59-1	Isophorone	2.7	U	10	2.7
88-75-5	2-Nitrophenol	2.4	U	10	2.4
7005-72-3	4-Chlorophenyl phenyl ether	2.5	U	10	2.5
105-67-9	2,4-Dimethylphenol	3.4	U	10	3.4
100-01-6	4-Nitroaniline	5.8	U	20	5.8
100-02-7	4-Nitrophenol	6.7	U	30	6.7
111-91-1	Bis(2-chloroethoxy)methane	2.6	U	10	2.6
1912-24-9	Atrazine	3.0	U	10	3.0
91-20-3	Naphthalene	2.7	U	10	2.7
100-52-7	Benzaldehyde	2.0	U	10	2.0
106-47-8	4-Chloroaniline	2.0	U	10	2.0
50-32-8	Benzo[a]pyrene	0.14	U	1.0	0.14
87-68-3	Hexachlorobutadiene	0.57	U	2.0	0.57
207-08-9	Benzo[k]fluoranthene	0.26	U	1.0	0.26
105-60-2	Caprolactam	2.5	U	10	2.5
86-74-8	Carbazole	3.2	U	10	3.2
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
53-70-3	Dibenz(a,h)anthracene	0.090	U	1.0	0.090

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-133851/1-A

Matrix: Water Lab File ID: x31511.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 10/27/2012 19:10

Sample wt/vol: 1000(mL) Date Analyzed: 11/01/2012 00:13

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

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

Analysis Batch No.: 134248 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	2.6	U	10	2.6
131-11-3	Dimethyl phthalate	2.8	U	10	2.8
91-58-7	2-Chloronaphthalene	2.7	U	10	2.7
206-44-0	Fluoranthene	3.2	U	10	3.2
86-73-7	Fluorene	2.8	U	10	2.8
606-20-2	2,6-Dinitrotoluene	0.61	U	2.0	0.61
208-96-8	Acenaphthylene	2.7	U	10	2.7
99-09-2	3-Nitroaniline	5.0	U	20	5.0
621-64-7	N-Nitrosodi-n-propylamine	0.25	U	1.0	0.25
83-32-9	Acenaphthene	2.7	U	10	2.7
51-28-5	2,4-Dinitrophenol	5.4	U	30	5.4
132-64-9	Dibenzofuran	2.8	U	10	2.8
84-66-2	Diethyl phthalate	2.9	U	10	2.9
534-52-1	4,6-Dinitro-2-methylphenol	4.7	U	30	4.7
86-30-6	N-Nitrosodiphenylamine	2.9	U	10	2.9
101-55-3	4-Bromophenyl phenyl ether	2.5	U	10	2.5
118-74-1	Hexachlorobenzene	0.29	U	1.0	0.29
87-86-5	Pentachlorophenol	5.3	U	30	5.3
85-01-8	Phenanthrene	3.1	U	10	3.1
120-12-7	Anthracene	2.8	U	10	2.8
84-74-2	Di-n-butyl phthalate	2.9	U	10	2.9
129-00-0	Pyrene	2.9	U	10	2.9
85-68-7	Butyl benzyl phthalate	2.5	U	10	2.5
91-94-1	3,3'-Dichlorobenzidine	4.9	U	20	4.9
56-55-3	Benzo[a]anthracene	0.27	U	1.0	0.27
218-01-9	Chrysene	3.1	U	10	3.1
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	10	2.0
117-84-0	Di-n-octyl phthalate	1.5	U	10	1.5
205-99-2	Benzo[b]fluoranthene	0.26	U	1.0	0.26
193-39-5	Indeno[1,2,3-cd]pyrene	0.15	U	1.0	0.15
191-24-2	Benzo[g,h,i]perylene	2.0	U	10	2.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-133851/1-A
Matrix: Water Lab File ID: x31511.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3510C Date Extracted: 10/27/2012 19:10
Sample wt/vol: 1000(mL) Date Analyzed: 11/01/2012 00:13
Con. Extract Vol.: 2(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 134248 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	91		46-122
321-60-8	2-Fluorobiphenyl	84		53-108
367-12-4	2-Fluorophenol (Surr)	59		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	87		56-112
4165-62-2	Phenol-d5 (Surr)	40		10-48
1718-51-0	Terphenyl-d14 (Surr)	98		50-122

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-133851/1-A
Matrix: Water Lab File ID: x31511.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3510C Date Extracted: 10/27/2012 19:10
Sample wt/vol: 1000(mL) Date Analyzed: 11/01/2012 00:13
Con. Extract Vol.: 2(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 134248 Units: ug/L
Number TICs Found: 0 TIC Result Total: 0

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

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31511.d
 Report Date: 01-Nov-2012 09:34

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31511.d
 Lab Smp Id: MB 460-133851/1-A
 Inj Date : 01-NOV-2012 00:13
 Operator : BNAMS 4
 Smp Info : MB 460-133851/1-A
 Misc Info : MB 460-133851/1-A
 Comment :
 Method : /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/8270Cdel_08.m
 Meth Date : 31-Oct-2012 14:29 croccom Quant Type: ISTD
 Cal Date : 31-OCT-2012 14:53 Cal File: x31502.d
 Als bottle: 11 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1
 Compound Sublist: allh20.sub

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ug/ml)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====	
\$ 16 2-Fluorophenol (SUR)	112	2.116	2.122	(0.638)	763321	29.5500	59	
\$ 17 Phenol-d5 (SUR)	99	2.999	3.010	(0.904)	553439	19.8859	40	
* 79 1,4-Dichlorobenzene-d4	152	3.316	3.322	(1.000)	928121	40.0000		
\$ 76 Nitrobenzene-d5 (SUR)	82	3.899	3.904	(0.845)	1289104	43.4372	87	
* 80 Naphthalene-d8	136	4.616	4.622	(1.000)	3313038	40.0000		
\$ 77 2-Fluorobiphenyl (SUR)	172	5.722	5.722	(0.900)	2194762	41.9877	84	
* 82 Acenaphthene-d10	164	6.357	6.357	(1.000)	1400768	40.0000		
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.128	7.128	(1.121)	170286	45.5487	91	
* 83 Phenanthrene-d10	188	7.787	7.792	(1.000)	1532889	40.0000		
\$ 78 Terphenyl-d14	244	9.357	9.357	(0.904)	912848	48.8644	98	
* 81 Chrysene-d12	240	10.345	10.351	(1.000)	716043	40.0000		
* 84 Perylene-d12	264	11.939	11.939	(1.000)	611643	40.0000		

Data File: x31511.d

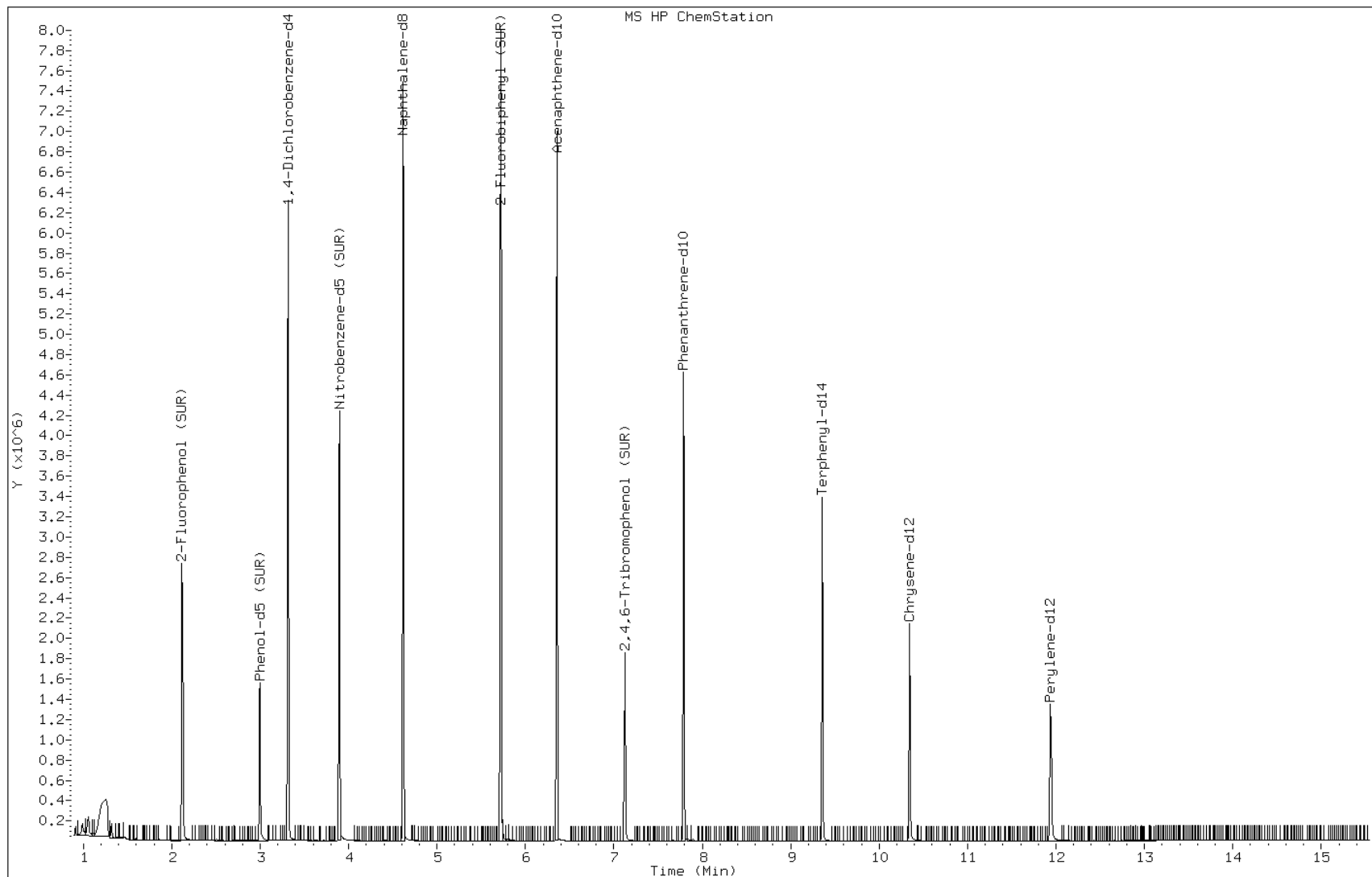
Date: 01-NOV-2012 00:13

Client ID:

Instrument: BNAMS5.i

Sample Info: MB 460-133851/1-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-133851/2-A

Matrix: Water Lab File ID: x31512.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 10/27/2012 19:10

Sample wt/vol: 1000 (mL) Date Analyzed: 11/01/2012 00:35

Con. Extract Vol.: 2 (mL) Dilution Factor: 1

Injection Volume: 1 (uL) Level: (low/med) Low

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

Analysis Batch No.: 134248 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	74.1		10	2.8
108-95-2	Phenol	38.9		10	0.81
88-06-2	2,4,6-Trichlorophenol	80.0		10	2.4
111-44-4	Bis(2-chloroethyl) ether	77.9		1.0	0.28
120-83-2	2,4-Dichlorophenol	83.2		10	2.6
95-57-8	2-Chlorophenol	78.5		10	2.2
121-14-2	2,4-Dinitrotoluene	78.5		2.0	0.47
108-60-1	2,2'-oxybis[1-chloropropane]	76.8		10	2.0
98-86-2	Acetophenone	78.8		10	2.7
91-57-6	2-Methylnaphthalene	76.9		10	3.0
106-44-5	4-Methylphenol	68.1		10	1.6
95-48-7	2-Methylphenol	71.3		10	1.8
88-74-4	2-Nitroaniline	82.2		20	4.9
67-72-1	Hexachloroethane	73.1		1.0	0.25
98-95-3	Nitrobenzene	74.5		1.0	0.30
59-50-7	4-Chloro-3-methylphenol	81.1		10	2.5
78-59-1	Isophorone	75.6		10	2.7
88-75-5	2-Nitrophenol	76.9		10	2.4
7005-72-3	4-Chlorophenyl phenyl ether	79.0		10	2.5
105-67-9	2,4-Dimethylphenol	77.5		10	3.4
100-01-6	4-Nitroaniline	84.0		20	5.8
100-02-7	4-Nitrophenol	38.7		30	6.7
111-91-1	Bis(2-chloroethoxy)methane	79.5		10	2.6
1912-24-9	Atrazine	65.7		10	3.0
91-20-3	Naphthalene	76.1		10	2.7
100-52-7	Benzaldehyde	106		10	2.0
106-47-8	4-Chloroaniline	72.2		10	2.0
50-32-8	Benzo[a]pyrene	74.5		1.0	0.14
87-68-3	Hexachlorobutadiene	72.7		2.0	0.57
207-08-9	Benzo[k]fluoranthene	76.1		1.0	0.26
105-60-2	Caprolactam	21.4		10	2.5
86-74-8	Carbazole	80.2		10	3.2
77-47-4	Hexachlorocyclopentadiene	62.5		10	1.7
53-70-3	Dibenz(a,h)anthracene	82.1		1.0	0.090

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 460-133851/2-A

Matrix: Water Lab File ID: x31512.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 10/27/2012 19:10

Sample wt/vol: 1000(mL) Date Analyzed: 11/01/2012 00:35

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

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

Analysis Batch No.: 134248 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	80.8		10	2.6
131-11-3	Dimethyl phthalate	77.2		10	2.8
91-58-7	2-Chloronaphthalene	75.8		10	2.7
206-44-0	Fluoranthene	86.1		10	3.2
86-73-7	Fluorene	77.3		10	2.8
606-20-2	2,6-Dinitrotoluene	77.2		2.0	0.61
208-96-8	Acenaphthylene	75.2		10	2.7
99-09-2	3-Nitroaniline	81.4		20	5.0
621-64-7	N-Nitrosodi-n-propylamine	80.7		1.0	0.25
83-32-9	Acenaphthene	76.1		10	2.7
51-28-5	2,4-Dinitrophenol	81.6		30	5.4
132-64-9	Dibenzofuran	74.7		10	2.8
84-66-2	Diethyl phthalate	77.7		10	2.9
534-52-1	4,6-Dinitro-2-methylphenol	85.2		30	4.7
86-30-6	N-Nitrosodiphenylamine	84.6		10	2.9
101-55-3	4-Bromophenyl phenyl ether	77.1		10	2.5
118-74-1	Hexachlorobenzene	76.5		1.0	0.29
87-86-5	Pentachlorophenol	75.1		30	5.3
85-01-8	Phenanthrene	78.9		10	3.1
120-12-7	Anthracene	77.1		10	2.8
84-74-2	Di-n-butyl phthalate	84.1		10	2.9
129-00-0	Pyrene	71.3		10	2.9
85-68-7	Butyl benzyl phthalate	80.6		10	2.5
91-94-1	3,3'-Dichlorobenzidine	81.7		20	4.9
56-55-3	Benzo[a]anthracene	79.1		1.0	0.27
218-01-9	Chrysene	76.9		10	3.1
117-81-7	Bis(2-ethylhexyl) phthalate	82.0		10	2.0
117-84-0	Di-n-octyl phthalate	80.6		10	1.5
205-99-2	Benzo[b]fluoranthene	70.4		1.0	0.26
193-39-5	Indeno[1,2,3-cd]pyrene	73.4		1.0	0.15
191-24-2	Benzo[g,h,i]perylene	75.6		10	2.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 460-133851/2-A
Matrix: Water Lab File ID: x31512.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3510C Date Extracted: 10/27/2012 19:10
Sample wt/vol: 1000(mL) Date Analyzed: 11/01/2012 00:35
Con. Extract Vol.: 2(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 134248 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	79		46-122
321-60-8	2-Fluorobiphenyl	73		53-108
367-12-4	2-Fluorophenol (Surr)	51		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	75		56-112
4165-62-2	Phenol-d5 (Surr)	33		10-48
1718-51-0	Terphenyl-d14 (Surr)	71		50-122

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31512.d
 Report Date: 01-Nov-2012 09:35

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31512.d
 Lab Smp Id: LCS 460-133851/2-A
 Inj Date : 01-NOV-2012 00:35
 Operator : BNAMS 4
 Smp Info : LCS 460-133851/2-A
 Misc Info : LCS 460-133851/2-A
 Comment :
 Method : /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/8270Cdel_08.m
 Meth Date : 31-Oct-2012 14:29 croccom Quant Type: ISTD
 Cal Date : 31-OCT-2012 14:53 Cal File: x31502.d
 Als bottle: 12 QC Sample: BS
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1
 Compound Sublist: allh20.sub

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ug/ml)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====	
106 1,4-Dioxane	88	0.963	0.940	(0.290)	301872	22.2196	44	
19 N-Nitrosodimethylamine	74	1.140	1.128	(0.343)	396472	24.5988	49	
71 Pyridine	79	1.157	1.146	(0.348)	413084	14.2352	28	
\$ 16 2-Fluorophenol (SUR)	112	2.122	2.122	(0.639)	658783	25.4890	51	
110 Benzaldehyde	77	2.875	2.875	(0.865)	623561	52.8728	100	
\$ 17 Phenol-d5 (SUR)	99	3.004	3.010	(0.904)	466163	16.7407	33	
1 Phenol	94	3.016	3.028	(0.908)	559381	19.4305	39	
73 Aniline	93	2.993	2.993	(0.901)	757574	21.3569	43	
20 bis(2-Chloroethyl)ether	93	3.075	3.075	(0.926)	1019407	38.9627	78	
113 n-decane	43	3.193	3.193	(0.961)	1023332	32.7995	66(R)	
2 2-Chlorophenol	128	3.116	3.116	(0.938)	1191046	39.2686	78	
21 1,3-Dichlorobenzene	146	3.263	3.263	(0.982)	1371475	36.1721	72	
* 79 1,4-Dichlorobenzene-d4	152	3.322	3.322	(1.000)	928635	40.0000		
22 1,4-Dichlorobenzene	146	3.340	3.340	(1.005)	1374853	36.9415	74	
74 Benzyl Alcohol	108	3.493	3.499	(1.051)	540342	35.1629	70	

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31512.d
 Report Date: 01-Nov-2012 09:35

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.493	3.493	(1.051)	1250003	36.8639	74
3 2-Methylphenol	108	3.640	3.640	(1.096)	779773	35.6586	71
24 bis (2-chloroisopropyl) ether	45	3.634	3.634	(1.094)	1103028	38.3891	77
4 4-Methylphenol	108	3.804	3.804	(1.145)	718107	34.0496	68
121 3 & 4 Methylphenol	108	3.804	3.804	(1.145)	718107	34.0496	68
104 Acetophenone	105	3.757	3.757	(1.131)	1266155	39.4218	79
25 N-Nitroso-di-n-propylamine	70	3.775	3.775	(1.136)	647141	40.3610	81
26 Hexachloroethane	117	3.834	3.834	(1.154)	523273	36.5471	73
\$ 76 Nitrobenzene-d5 (SUR)	82	3.904	3.904	(0.845)	1010245	37.6320	75
107 N,N-Dimethylaniline	120	3.934	3.934	(1.184)	1410859	35.2449	70
27 Nitrobenzene	77	3.928	3.928	(0.850)	1334623	37.2635	74
28 Isophorone	82	4.175	4.175	(0.903)	1375577	37.8161	76
6 2,4-Dimethylphenol	122	4.345	4.340	(0.940)	792149	38.7667	78
5 2-Nitrophenol	139	4.245	4.246	(0.919)	576332	38.4690	77
29 bis(2-Chloroethoxy)methane	93	4.422	4.422	(0.957)	983094	39.7429	79
7 2,4-Dichlorophenol	162	4.510	4.504	(0.976)	776857	41.6092	83
30 1,2,4-Trichlorobenzene	180	4.575	4.575	(0.990)	900878	37.2293	74
* 80 Naphthalene-d8	136	4.622	4.622	(1.000)	2996877	40.0000	
31 Naphthalene	128	4.645	4.640	(1.005)	2883053	38.0720	76
32 4-Chloroaniline	127	4.728	4.722	(1.023)	901235	36.1223	72
33 Hexachlorobutadiene	225	4.792	4.793	(1.037)	507365	36.3373	73
111 Caprolactam	113	5.081	5.098	(1.099)	43776	10.7205	21
8 4-Chloro-3-methylphenol	107	5.257	5.257	(1.137)	624948	40.5272	81
34 2-Methylnaphthalene	142	5.339	5.340	(1.155)	1689734	38.4590	77
120 1-Methylnaphthalene	142	5.434	5.434	(1.176)	1584561	35.5473	71
35 Hexachlorocyclopentadiene	237	5.516	5.510	(0.868)	353417	31.2456	62
9 2,4,6-Trichlorophenol	196	5.645	5.645	(0.888)	440760	40.0137	80
10 2,4,5-Trichlorophenol	196	5.681	5.681	(0.894)	443721	40.3761	81
\$ 77 2-Fluorobiphenyl (SUR)	172	5.722	5.722	(0.900)	1589185	36.3083	73
102 Diphenyl	154	5.816	5.816	(0.915)	1826206	37.0548	74
36 2-Chloronaphthalene	162	5.816	5.816	(0.915)	1389531	37.9114	76
103 Diphenyl Ether	170	5.922	5.922	(0.932)	974060	37.7611	76
37 2-Nitroaniline	65	5.939	5.945	(0.934)	341490	41.0949	82
38 Dimethylphthalate	163	6.145	6.145	(0.967)	1263000	38.5767	77
40 2,6-Dinitrotoluene	165	6.192	6.192	(0.974)	284479	38.6037	77
39 Acenaphthylene	152	6.216	6.216	(0.978)	2005053	37.5952	75
41 3-Nitroaniline	138	6.351	6.351	(0.999)	291002	40.6779	81
* 82 Acenaphthene-d10	164	6.357	6.357	(1.000)	1172921	40.0000	
42 Acenaphthene	154	6.392	6.392	(1.006)	1215635	38.0322	76
11 2,4-Dinitrophenol	184	6.451	6.451	(1.015)	115010	40.7845	82
12 4-Nitrophenol	65	6.563	6.563	(1.032)	86134	19.3738	39
43 Dibenzofuran	168	6.563	6.563	(1.032)	1671142	37.3636	75
44 2,4-Dinitrotoluene	165	6.575	6.575	(1.034)	336623	39.2636	78
45 Diethylphthalate	149	6.839	6.840	(1.076)	1163190	38.8475	78
46 4-Chlorophenyl-phenylether	204	6.916	6.916	(1.088)	639300	39.5093	79
47 Fluorene	166	6.892	6.892	(1.084)	1287212	38.6449	77
48 4-Nitroaniline	138	6.945	6.945	(1.093)	244065	41.9804	84

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31512.d
 Report Date: 01-Nov-2012 09:35

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/ml)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
13 4,6-Dinitro-2-methylphenol		198	6.969	6.969 (0.894)		170085	42.5905	85
49 N-Nitrosodiphenylamine		169	7.033	7.034 (0.903)		828229	42.3012	85
75 1,2-Diphenylhydrazine		77	7.063	7.063 (0.906)		1164898	32.3721	65(R)
\$ 18 2,4,6-Tribromophenol (SUR)		330	7.128	7.128 (1.121)		123596	39.4820	79
50 4-Bromophenyl-phenylether		248	7.380	7.381 (0.947)		294892	38.5263	77
112 Atrazine		200	7.580	7.581 (0.973)		200910	32.8463	66
51 Hexachlorobenzene		284	7.428	7.428 (0.953)		278774	38.2256	76
14 Pentachlorophenol		266	7.633	7.634 (0.980)		150313	37.5581	75
* 83 Phenanthrene-d10		188	7.792	7.792 (1.000)		1329251	40.0000	
52 Phenanthrene		178	7.810	7.810 (1.002)		1453162	39.4674	79
53 Anthracene		178	7.863	7.863 (1.009)		1409570	38.5691	77
54 Carbazole		167	8.039	8.034 (1.032)		1158731	40.0869	80
55 Di-n-butylphthalate		149	8.422	8.422 (1.081)		1528185	42.0702	84
56 Fluoranthene		202	8.957	8.957 (1.149)		1237422	43.0385	86
58 Benzidine		184	9.122	9.122 (1.171)		20876	9.06926	18(a)
57 Pyrene		202	9.169	9.169 (0.886)		1233038	35.6513	71
\$ 78 Terphenyl-d14		244	9.357	9.357 (0.904)		805754	35.6663	71
59 Butylbenzylphthalate		149	9.857	9.857 (0.952)		555282	40.2817	80
63 Bis(2-Ethylhexyl)phthalate		149	10.451	10.451 (1.010)		756273	40.9900	82
60 3,3'-Dichlorobenzidine		252	10.345	10.345 (0.999)		286195	40.8297	82
61 Benzo(a)anthracene		228	10.339	10.339 (0.999)		996485	39.5732	79
* 81 Chrysene-d12		240	10.351	10.351 (1.000)		865920	40.0000	
62 Chrysene		228	10.374	10.375 (1.002)		999338	38.4540	77
64 Di-n-octylphthalate		149	11.163	11.163 (0.934)		1084632	40.3122	81
65 Benzo(b)fluoranthene		252	11.504	11.504 (0.963)		765196	35.2042	70
66 Benzo(k)fluoranthene		252	11.533	11.533 (0.966)		965766	38.0504	76
67 Benzo(a)pyrene		252	11.874	11.874 (0.994)		687043	37.2491	74
* 84 Perylene-d12		264	11.945	11.939 (1.000)		770683	40.0000	
68 Indeno(1,2,3-cd)pyrene		276	13.221	13.221 (1.107)		590290	36.7185	73
69 Dibenz(a,h)anthracene		278	13.262	13.257 (1.110)		692667	41.0512	82
70 Benzo(g,h,i)perylene		276	13.533	13.527 (1.133)		727315	37.7799	76

QC Flag Legend

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

R - Spike/Surrogate failed recovery limits.

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 460-133851/3-A

Matrix: Water Lab File ID: x31513.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 10/27/2012 19:10

Sample wt/vol: 1000 (mL) Date Analyzed: 11/01/2012 00:57

Con. Extract Vol.: 2 (mL) Dilution Factor: 1

Injection Volume: 1 (uL) Level: (low/med) Low

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

Analysis Batch No.: 134248 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	90.8		10	2.8
108-95-2	Phenol	45.7		10	0.81
88-06-2	2,4,6-Trichlorophenol	97.0		10	2.4
111-44-4	Bis(2-chloroethyl) ether	91.9		1.0	0.28
120-83-2	2,4-Dichlorophenol	99.1		10	2.6
95-57-8	2-Chlorophenol	93.8		10	2.2
121-14-2	2,4-Dinitrotoluene	95.3		2.0	0.47
108-60-1	2,2'-oxybis[1-chloropropane]	92.0		10	2.0
98-86-2	Acetophenone	93.9		10	2.7
91-57-6	2-Methylnaphthalene	91.0		10	3.0
106-44-5	4-Methylphenol	80.5		10	1.6
95-48-7	2-Methylphenol	84.4		10	1.8
88-74-4	2-Nitroaniline	101		20	4.9
67-72-1	Hexachloroethane	86.9		1.0	0.25
98-95-3	Nitrobenzene	87.8		1.0	0.30
59-50-7	4-Chloro-3-methylphenol	95.7		10	2.5
78-59-1	Isophorone	90.2		10	2.7
88-75-5	2-Nitrophenol	91.7		10	2.4
7005-72-3	4-Chlorophenyl phenyl ether	95.4		10	2.5
105-67-9	2,4-Dimethylphenol	93.8		10	3.4
100-01-6	4-Nitroaniline	101		20	5.8
100-02-7	4-Nitrophenol	46.7		30	6.7
111-91-1	Bis(2-chloroethoxy)methane	92.9		10	2.6
1912-24-9	Atrazine	79.6		10	3.0
91-20-3	Naphthalene	90.3		10	2.7
100-52-7	Benzaldehyde	128		10	2.0
106-47-8	4-Chloroaniline	86.8		10	2.0
50-32-8	Benzo[a]pyrene	91.0		1.0	0.14
87-68-3	Hexachlorobutadiene	85.9		2.0	0.57
207-08-9	Benzo[k]fluoranthene	90.5		1.0	0.26
105-60-2	Caprolactam	26.4		10	2.5
86-74-8	Carbazole	99.5		10	3.2
77-47-4	Hexachlorocyclopentadiene	76.2		10	1.7
53-70-3	Dibenz(a,h)anthracene	98.9		1.0	0.090

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 460-133851/3-A

Matrix: Water Lab File ID: x31513.d

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 10/27/2012 19:10

Sample wt/vol: 1000(mL) Date Analyzed: 11/01/2012 00:57

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

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

Analysis Batch No.: 134248 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	97.8		10	2.6
131-11-3	Dimethyl phthalate	94.1		10	2.8
91-58-7	2-Chloronaphthalene	91.4		10	2.7
206-44-0	Fluoranthene	101		10	3.2
86-73-7	Fluorene	93.0		10	2.8
606-20-2	2,6-Dinitrotoluene	97.4		2.0	0.61
208-96-8	Acenaphthylene	91.1		10	2.7
99-09-2	3-Nitroaniline	98.6		20	5.0
621-64-7	N-Nitrosodi-n-propylamine	97.2		1.0	0.25
83-32-9	Acenaphthene	91.0		10	2.7
51-28-5	2,4-Dinitrophenol	104		30	5.4
132-64-9	Dibenzofuran	91.5		10	2.8
84-66-2	Diethyl phthalate	94.9		10	2.9
534-52-1	4,6-Dinitro-2-methylphenol	106		30	4.7
86-30-6	N-Nitrosodiphenylamine	103		10	2.9
101-55-3	4-Bromophenyl phenyl ether	92.8		10	2.5
118-74-1	Hexachlorobenzene	93.7		1.0	0.29
87-86-5	Pentachlorophenol	91.7		30	5.3
85-01-8	Phenanthrene	94.3		10	3.1
120-12-7	Anthracene	95.6		10	2.8
84-74-2	Di-n-butyl phthalate	100		10	2.9
129-00-0	Pyrene	84.2		10	2.9
85-68-7	Butyl benzyl phthalate	97.2		10	2.5
91-94-1	3,3'-Dichlorobenzidine	98.1		20	4.9
56-55-3	Benzo[a]anthracene	95.2		1.0	0.27
218-01-9	Chrysene	93.5		10	3.1
117-81-7	Bis(2-ethylhexyl) phthalate	96.9		10	2.0
117-84-0	Di-n-octyl phthalate	99.0		10	1.5
205-99-2	Benzo[b]fluoranthene	86.7		1.0	0.26
193-39-5	Indeno[1,2,3-cd]pyrene	88.6		1.0	0.15
191-24-2	Benzo[g,h,i]perylene	92.3		10	2.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCSD 460-133851/3-A
Matrix: Water Lab File ID: x31513.d
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3510C Date Extracted: 10/27/2012 19:10
Sample wt/vol: 1000(mL) Date Analyzed: 11/01/2012 00:57
Con. Extract Vol.: 2(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 134248 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	96		46-122
321-60-8	2-Fluorobiphenyl	88		53-108
367-12-4	2-Fluorophenol (Surr)	62		10-65
4165-60-0	Nitrobenzene-d5 (Surr)	89		56-112
4165-62-2	Phenol-d5 (Surr)	40		10-48
1718-51-0	Terphenyl-d14 (Surr)	85		50-122

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31513.d
 Report Date: 01-Nov-2012 09:36

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31513.d
 Lab Smp Id: LCSD 460-133851/3-A
 Inj Date : 01-NOV-2012 00:57
 Operator : BNAMS 4
 Smp Info : LCSD 460-133851/3-A
 Misc Info : LCSD 460-133851/3-A
 Comment :
 Method : /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/8270Cdel_08.m
 Meth Date : 31-Oct-2012 14:29 croccom Quant Type: ISTD
 Cal Date : 31-OCT-2012 14:53 Cal File: x31502.d
 Als bottle: 13 QC Sample: BSD
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1
 Compound Sublist: allh20.sub

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/ml)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane		88	0.957	0.940	(0.288)	294613	25.9279	52
19 N-Nitrosodimethylamine		74	1.134	1.128	(0.341)	379514	28.1533	56
71 Pyridine		79	1.151	1.146	(0.347)	411625	16.9601	34
\$ 16 2-Fluorophenol (SUR)		112	2.122	2.122	(0.639)	673176	31.1415	62
110 Benzaldehyde		77	2.875	2.875	(0.865)	628835	63.7517	130
\$ 17 Phenol-d5 (SUR)		99	3.004	3.010	(0.904)	465794	20.0000	40
1 Phenol		94	3.016	3.028	(0.908)	549836	22.8355	46(R)
73 Aniline		93	2.993	2.993	(0.901)	768335	25.8979	52
20 bis(2-Chloroethyl)ether		93	3.075	3.075	(0.926)	1005561	45.9527	92
113 n-decane		43	3.193	3.193	(0.961)	1024394	39.2572	78
2 2-Chlorophenol		128	3.116	3.116	(0.938)	1189342	46.8840	94
21 1,3-Dichlorobenzene		146	3.263	3.263	(0.982)	1376138	43.3959	87
* 79 1,4-Dichlorobenzene-d4		152	3.322	3.322	(1.000)	776683	40.0000	
22 1,4-Dichlorobenzene		146	3.340	3.340	(1.005)	1357106	43.5986	87
74 Benzyl Alcohol		108	3.492	3.499	(1.051)	538033	41.8627	84

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31513.d
Report Date: 01-Nov-2012 09:36

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	3.492	3.493	(1.051)	1263964	44.5683	89
3 2-Methylphenol	108	3.640	3.640	(1.096)	771533	42.1844	84
24 bis (2-chloroisopropyl) ether	45	3.634	3.634	(1.094)	1105332	45.9955	92
4 4-Methylphenol	108	3.804	3.804	(1.145)	709741	40.2369	80(R)
121 3 & 4 Methylphenol	108	3.804	3.804	(1.145)	709741	40.2369	80
104 Acetophenone	105	3.757	3.757	(1.131)	1260998	46.9424	94
25 N-Nitroso-di-n-propylamine	70	3.775	3.775	(1.136)	651665	48.5947	97
26 Hexachloroethane	117	3.834	3.834	(1.154)	520528	43.4680	87
\$ 76 Nitrobenzene-d5 (SUR)	82	3.904	3.904	(0.845)	1012146	44.4825	89
107 N,N-Dimethylaniline	120	3.934	3.934	(1.184)	1403029	41.9064	84
27 Nitrobenzene	77	3.928	3.928	(0.850)	1332058	43.8796	88
28 Isophorone	82	4.175	4.175	(0.903)	1390242	45.0918	90
6 2,4-Dimethylphenol	122	4.345	4.340	(0.940)	812238	46.8976	94
5 2-Nitrophenol	139	4.245	4.246	(0.919)	582267	45.8539	92
29 bis(2-Chloroethoxy)methane	93	4.422	4.422	(0.957)	973377	46.4259	93
7 2,4-Dichlorophenol	162	4.510	4.504	(0.976)	784371	49.5662	99
30 1,2,4-Trichlorobenzene	180	4.575	4.575	(0.990)	916040	44.6631	89
* 80 Naphthalene-d8	136	4.622	4.622	(1.000)	2540116	40.0000	
31 Naphthalene	128	4.645	4.640	(1.005)	2898148	45.1532	90
32 4-Chloroaniline	127	4.722	4.722	(1.022)	917379	43.3811	87
33 Hexachlorobutadiene	225	4.792	4.793	(1.037)	508008	42.9258	86
111 Caprolactam	113	5.075	5.098	(1.098)	45754	13.2198	26
8 4-Chloro-3-methylphenol	107	5.257	5.257	(1.137)	625495	47.8566	96
34 2-Methylnaphthalene	142	5.339	5.340	(1.155)	1693715	45.4815	91
120 1-Methylnaphthalene	142	5.434	5.434	(1.176)	1565880	41.4450	83
35 Hexachlorocyclopentadiene	237	5.510	5.510	(0.867)	357551	38.1214	76
9 2,4,6-Trichlorophenol	196	5.645	5.645	(0.888)	443113	48.5121	97
10 2,4,5-Trichlorophenol	196	5.681	5.681	(0.894)	445635	48.9016	98
\$ 77 2-Fluorobiphenyl (SUR)	172	5.722	5.722	(0.900)	1591377	43.8465	88
102 Diphenyl	154	5.816	5.816	(0.915)	1855488	45.4028	91
36 2-Chloronaphthalene	162	5.816	5.816	(0.915)	1389582	45.7210	91
103 Diphenyl Ether	170	5.922	5.922	(0.932)	974954	45.5799	91
37 2-Nitroaniline	65	5.939	5.945	(0.934)	347850	50.4815	100
38 Dimethylphthalate	163	6.145	6.145	(0.967)	1277943	47.0720	94
40 2,6-Dinitrotoluene	165	6.192	6.192	(0.974)	297462	48.6788	97
39 Acenaphthylene	152	6.216	6.216	(0.978)	2014136	45.5434	91
41 3-Nitroaniline	138	6.351	6.351	(0.999)	292460	49.3013	99
* 82 Acenaphthene-d10	164	6.357	6.357	(1.000)	972611	40.0000	
42 Acenaphthene	154	6.392	6.392	(1.006)	1205876	45.4967	91
11 2,4-Dinitrophenol	184	6.451	6.451	(1.015)	121978	52.1640	100
12 4-Nitrophenol	65	6.563	6.563	(1.032)	86169	23.3734	47(R)
43 Dibenzofuran	168	6.563	6.563	(1.032)	1696958	45.7547	92
44 2,4-Dinitrotoluene	165	6.575	6.575	(1.034)	338588	47.6264	95
45 Diethylphthalate	149	6.839	6.840	(1.076)	1177871	47.4394	95
46 4-Chlorophenyl-phenylether	204	6.916	6.916	(1.088)	640080	47.7044	95
47 Fluorene	166	6.892	6.892	(1.084)	1284148	46.4929	93
48 4-Nitroaniline	138	6.945	6.945	(1.093)	244229	50.6603	100

Data File: /chem/BNAMS5.i/8270/10-17-12del/31oct12.b/x31513.d
 Report Date: 01-Nov-2012 09:36

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
13 4,6-Dinitro-2-methylphenol	198	6.969	6.969	(0.894)	174736	53.0005	110
49 N-Nitrosodiphenylamine	169	7.033	7.034	(0.903)	831489	51.4409	100
75 1,2-Diphenylhydrazine	77	7.063	7.063	(0.906)	1150999	38.7443	77
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.128	7.128	(1.121)	124373	47.9127	96
50 4-Bromophenyl-phenylether	248	7.380	7.381	(0.947)	293063	46.3774	93
112 Atrazine	200	7.575	7.581	(0.972)	200947	39.7940	80
51 Hexachlorobenzene	284	7.428	7.428	(0.953)	282008	46.8397	94
14 Pentachlorophenol	266	7.628	7.634	(0.979)	151555	45.8698	92
* 83 Phenanthrene-d10	188	7.792	7.792	(1.000)	1097379	40.0000	
52 Phenanthrene	178	7.810	7.810	(1.002)	1433252	47.1517	94
53 Anthracene	178	7.863	7.863	(1.009)	1442265	47.8022	96
54 Carbazole	167	8.033	8.034	(1.031)	1186661	49.7276	99
55 Di-n-butylphthalate	149	8.422	8.422	(1.081)	1502459	50.1016	100
56 Fluoranthene	202	8.957	8.957	(1.149)	1199976	50.5547	100
58 Benzidine	184	9.122	9.122	(1.171)	20069	10.5609	21
57 Pyrene	202	9.169	9.169	(0.886)	1216039	42.0779	84
\$ 78 Terphenyl-d14	244	9.357	9.357	(0.904)	799291	42.3416	85
59 Butylbenzylphthalate	149	9.857	9.857	(0.952)	559624	48.5845	97
63 bis(2-Ethylhexyl)phthalate	149	10.451	10.451	(1.010)	746765	48.4386	97
60 3,3'-Dichlorobenzidine	252	10.345	10.345	(0.999)	287199	49.0348	98
61 Benzo(a)anthracene	228	10.339	10.339	(0.999)	1002048	47.6241	95
* 81 Chrysene-d12	240	10.351	10.351	(1.000)	723553	40.0000	
62 Chrysene	228	10.374	10.375	(1.002)	1015036	46.7432	93
64 Di-n-octylphthalate	149	11.163	11.163	(0.934)	1087314	49.5037	99
65 Benzo(b)fluoranthene	252	11.504	11.504	(0.963)	769546	43.3696	87
66 Benzo(k)fluoranthene	252	11.533	11.533	(0.966)	937189	45.2317	90
67 Benzo(a)pyrene	252	11.874	11.874	(0.994)	685250	45.5102	91
* 84 Perylene-d12	264	11.945	11.939	(1.000)	629140	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.221	13.221	(1.107)	581421	44.3036	89
69 Dibenz(a,h)anthracene	278	13.262	13.257	(1.110)	681470	49.4740	99
70 Benzo(g,h,i)perylene	276	13.533	13.527	(1.133)	725585	46.1695	92

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: x31513.d

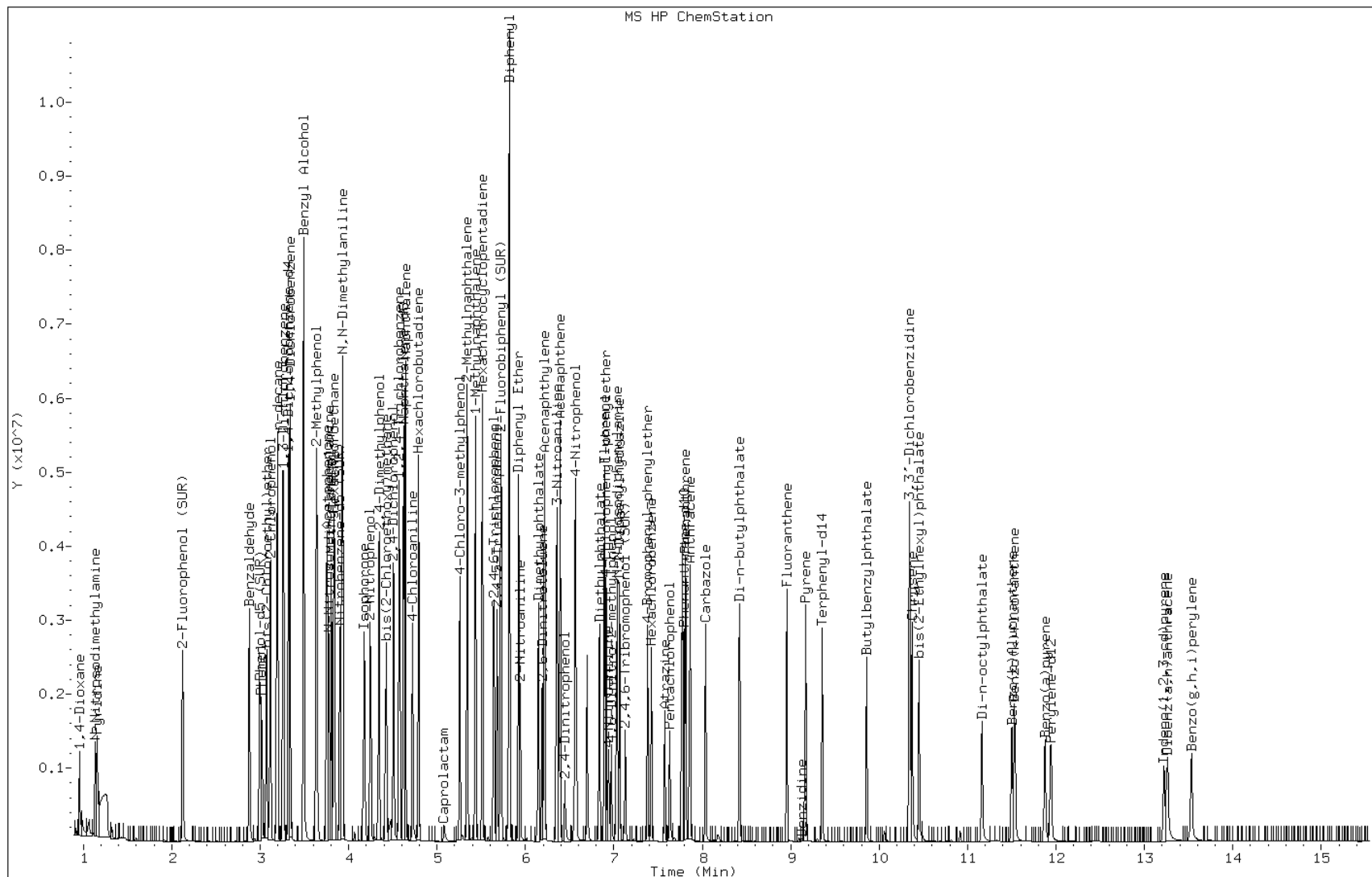
Date: 01-NOV-2012 00:57

Client ID:

Instrument: BNAMS5.i

Sample Info: LCSD 460-133851/3-A

Operator: BNAMS 4



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: BNAMS5 Start Date: 10/17/2012 04:25Analysis Batch Number: 134049 End Date: 10/17/2012 07:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-134049/1		10/17/2012 04:25	1	x31132.d	Rtx-5MS 0.25 (mm)
ICIS 460-134049/2		10/17/2012 05:10	1	x31133.d	Rtx-5MS 0.25 (mm)
IC 460-134049/3		10/17/2012 05:47	1	x31134.d	Rtx-5MS 0.25 (mm)
IC 460-134049/4		10/17/2012 06:09	1	x31135.d	Rtx-5MS 0.25 (mm)
IC 460-134049/5		10/17/2012 06:31	1	x31136.d	Rtx-5MS 0.25 (mm)
IC 460-134049/6		10/17/2012 07:15	1	x31138.d	Rtx-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: BNAMS5 Start Date: 10/31/2012 14:34Analysis Batch Number: 134248 End Date: 11/01/2012 00:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTTP 460-134248/1		10/31/2012 14:34	1	x31501.d	Rtx-5MS 0.25 (mm)
CCVIS 460-134248/2		10/31/2012 14:53	1	x31502.d	Rtx-5MS 0.25 (mm)
ZZZZZ		10/31/2012 17:28	1		Rtx-5MS 0.25 (mm)
460-46388-1	WG-17338-102212-MW30- MM-264	10/31/2012 17:50	1	x31508.d	Rtx-5MS 0.25 (mm)
460-46388-2	WG-17338-102212-MW36S -MM-265	10/31/2012 23:30	1	x31509.d	Rtx-5MS 0.25 (mm)
460-46388-3	WG-17338-102312-MW36D -MM-266	10/31/2012 23:51	1	x31510.d	Rtx-5MS 0.25 (mm)
MB 460-133851/1-A		11/01/2012 00:13	1	x31511.d	Rtx-5MS 0.25 (mm)
LCS 460-133851/2-A		11/01/2012 00:35	1	x31512.d	Rtx-5MS 0.25 (mm)
LCSD 460-133851/3-A		11/01/2012 00:57	1	x31513.d	Rtx-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: BNAMS5 Start Date: 11/01/2012 01:19Analysis Batch Number: 134249 End Date: 11/01/2012 01:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 460-134249/1		11/01/2012 01:19	1	x31514.d	Rtx-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: BNAMS5 Start Date: 11/06/2012 00:41Analysis Batch Number: 134518 End Date: 11/06/2012 02:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-134518/1		11/06/2012 00:41	1	x31651.d	Rtx-5MS 0.25 (mm)
CCVIS 460-134518/2		11/06/2012 00:56	1	x31652.d	Rtx-5MS 0.25 (mm)
460-46388-2 DL	WG-17338-102212-MW36S -MM-265 DL	11/06/2012 02:01	2	x31654.d	Rtx-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: BNAMS5 Start Date: 11/06/2012 02:23Analysis Batch Number: 134519 End Date: 11/06/2012 02:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 460-134519/1		11/06/2012 02:23	1	x31655.d	Rtx-5MS 0.25 (mm)

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS.i

Analytical Batch: /chem/BNAMS.i/8270/10-17-12del/17oct12.b

Date Generated: 10/31/2012

Page 1

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
10/17/12	0425 x31132.d	1	DFTPP-1653831			10	0		1	2.0 all	4687	6 starting pump 7 1.002 80224-1412
10/17/12	0510 x31133.d	2	ICIS-1785657			1000	2		1	1.0 all	4710	6
10/17/12	0547 x31134.d	3	IC-1785661			1000	2		1	1.0 all	4710	6 } 870 range seen
10/17/12	0609 x31135.d	4	IC-1785662			1000	2		1	1.0 all	4710	6 } except for baseline
10/17/12	0631 x31136.d	5	IC-1785664			1000	2		1	1.0 all	4710	6 } baseline
10/17/12	0715 x31138.d	7	IC-1785701			1000	2		1	1.0 all	4710	6
10/17/12	0737 x31139.d	8	icv	17oct12		1000	1		1	1.0 all	4769	6 } good compound, within 60 to 130%

Signed: Michael Korte

Read and Understood by: W B

Date: 10/31/12

Date: 10-31-12

11/29/2012

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS5.i
Analytical Batch: /chem/BNAMS5.i/8270/10-17-12del/06nov12.b

Date Generated: 11/06/2012
Page 1

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
11/06/12 0041	X31651.d	1	DFTPP-1653831			0	0		1	2.0	all	487 134518
11/06/12 0056	X31652.d	2	CCVIS-1785657			15	1		1	1.0	all	4716 P = 1.832, B = 1.990
11/06/12 0139	X31653.d	3	MB 460-133851/L-A			1000	2		1	1.0	allh20	
11/06/12 0201	X31654.d	4	460-46388-F-2-B			1000	2		2	1.0	allh20	
11/06/12 0223	X31655.d	5	CCVIS-1785657			1000	2		1	1.0	all	

Signed: W Read and Understood by: W.D.S.

Date: 11/6/12 Date: 11-7-12

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Batch Number: 133851 Batch Start Date: 10/27/12 19:09 Batch Analyst: Rana, Kalpesh VBatch Method: 3510C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	OP625/82SP 00036
MB 460-133851/1		3510C, 8270C		7	1000 mL	2 mL	<2	>12	
LCS 460-133851/2		3510C, 8270C		7	1000 mL	2 mL	<2	>12	1 mL
LCSD 460-133851/3		3510C, 8270C		7	1000 mL	2 mL	<2	>12	1 mL
460-46388-D-1	WG-17338-102212- MW30-MM-264	3510C, 8270C	T	7	960 mL	2 mL	<2	>12	
460-46388-E-2	WG-17338-102212- MW36S-MM-265	3510C, 8270C	T	7	970 mL	2 mL	<2	>12	
460-46388-E-3	WG-17338-102312- MW36D-MM-266	3510C, 8270C	T	7	960 mL	2 mL	<2	>12	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP625/82SU 00034					
MB 460-133851/1		3510C, 8270C		1 mL					
LCS 460-133851/2		3510C, 8270C		1 mL					
LCSD 460-133851/3		3510C, 8270C		1 mL					
460-46388-D-1	WG-17338-102212- MW30-MM-264	3510C, 8270C	T	1 mL					
460-46388-E-2	WG-17338-102212- MW36S-MM-265	3510C, 8270C	T	1 mL					
460-46388-E-3	WG-17338-102312- MW36D-MM-266	3510C, 8270C	T	1 mL					

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Batch Number: 133851 Batch Start Date: 10/27/12 19:09 Batch Analyst: Rana, Kalpesh VBatch Method: 3510C Batch End Date: _____

Batch Notes	
Acid used for pH adjustment	H2SO4
Acid used for pH adjust Lot #	K53043
Base used for pH adjustment	NAOH
Base used for pH adjust Lot #	OP384
Batch Comment	8270 WATER
Person's name who did the concentration	KR
Final Concentrator Volume	2 mL
N-evap #	36378
N-evap temperature	35 C Celsius
Prep Solvent Lot #	20729
Prep Solvent Name	Mec12
Prep Solvent Volume Used	360 mL
Person's name who did the prep	KR
Uncorrected N-evap Temperature	35 C Celsius

Basis	Basis Description
T	Total/NA

Method 8270C SIM

Semivolatile Organic Compounds
(GC/MS SIM) by Method 8270C (SIM)

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Lab File ID: h105257.d Lab Sample ID: MB 460-133851/1-A
Matrix: Water Date Extracted: 10/27/2012 19:10
Instrument ID: BNAMS9 Date Analyzed: 11/01/2012 22:09
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WG-17338-102212-MW30-MM-264	460-46388-1	h105258.d	11/01/2012 22:39
WG-17338-102212-MW36S-MM-265	460-46388-2	h105259.d	11/01/2012 23:08
WG-17338-102312-MW36D-MM-266	460-46388-3	h105260.d	11/01/2012 23:37

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Lab File ID: h104965.d DFTPP Injection Date: 10/22/2012
Instrument ID: BNAMS9 DFTPP Injection Time: 06:48
Analysis Batch No.: 133132

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	55.4
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	50.1
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	53.9
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	22.0
365	Greater than 1.0 % of mass 198	2.9
441	Present but less than mass 443	11.2 (85.7) 1
442	Greater than 40.0 % of mass 198	74.6
443	17.0 - 23.0 % of mass 442	13.0 (17.5) 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
	ICIS 460-133132/2	h104966.d	10/22/2012	07:10
	IC 460-133132/3	h104968.d	10/22/2012	08:10
	IC 460-133132/4	h104969.d	10/22/2012	08:40
	IC 460-133132/5	h104970.d	10/22/2012	09:10
	IC 460-133132/6	h104971.d	10/22/2012	09:46
	IC 460-133132/7	h104972.d	10/22/2012	10:15

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Lab File ID: h105241.d DFTPP Injection Date: 11/01/2012
Instrument ID: BNAMS9 DFTPP Injection Time: 13:43
Analysis Batch No.: 134292

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	56.7
68	Less than 2.0 % of mass 69	0.7 (1.4) 1
69	Mass 69 relative abundance	50.6
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	57.1
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.6
275	10.0 - 30.0 % of mass 198	24.9
365	Greater than 1.0 % of mass 198	3.7
441	Present but less than mass 443	12.3 (81.1) 1
442	Greater than 40.0 % of mass 198	80.1
443	17.0 - 23.0 % of mass 442	15.2 (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
	CCVIS 460-134292/2	h105242.d	11/01/2012	14:40
	MB 460-133851/1-A	h105257.d	11/01/2012	22:09
WG-17338-102212-MW30-MM-264	460-46388-1	h105258.d	11/01/2012	22:39
WG-17338-102212-MW36S-M-265	460-46388-2	h105259.d	11/01/2012	23:08
WG-17338-102312-MW36D-M-266	460-46388-3	h105260.d	11/01/2012	23:37

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Sample No.: CCVIS 460-134292/2 Date Analyzed: 11/01/2012 14:40
 Instrument ID: BNAMS9 GC Column: Rtx-5MS ID: 0.25 (mm)
 Lab File ID (Standard): h105242.d Heated Purge: (Y/N) N
 Calibration ID: 18207

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		19639	5.56	76762	6.86	36727	8.59
UPPER LIMIT		39278	6.06	153524	7.36	73454	9.09
LOWER LIMIT		9820	5.06	38381	6.36	18364	8.09
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-133851/1-A		18912	5.56	75382	6.86	36806	8.60
460-46388-1	WG-17338-102212-MW30-MM-264	17736	5.56	70280	6.86	34886	8.60
460-46388-2	WG-17338-102212-MW36S-MM-265	15911	5.58	58877	6.88	42758	8.60
460-46388-3	WG-17338-102312-MW36D-MM-266	17004	5.56	67229	6.86	34490	8.60

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.: 460-46388-1
 SDG No.: _____
 Sample No.: CCVIS 460-134292/2 Date Analyzed: 11/01/2012 14:40
 Instrument ID: BNAMS9 GC Column: Rtx-5MS ID: 0.25 (mm)
 Lab File ID (Standard): h105242.d Heated Purge: (Y/N) N
 Calibration ID: 18207

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	59941	10.05	46373	12.76	44618	14.86
UPPER LIMIT	119882	10.55	92746	13.26	89236	15.36
LOWER LIMIT	29971	9.55	23187	12.26	22309	14.36
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 460-133851/1-A		55232	10.05	46744	12.77	44544 14.86
460-46388-1	WG-17338-102212-MW30-MM-264	52951	10.05	43986	12.77	42091 14.86
460-46388-2	WG-17338-102212-MW36S-MM-265	50263	10.06	40402	12.77	40034 14.87
460-46388-3	WG-17338-102312-MW36D-MM-266	51987	10.05	42819	12.77	40297 14.86

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: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: WG-17338-102212-MW30-MM-2 Lab Sample ID: 460-46388-1
Matrix: Water Lab File ID: h105258.d
Analysis Method: 8270C SIM Date Collected: 10/22/2012 10:45
Extract. Method: 3510C Date Extracted: 10/27/2012 19:10
Sample wt/vol: 960 (mL) Date Analyzed: 11/01/2012 22:39
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 134292 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-55-3	Benzo[a]anthracene	0.036	U	0.052	0.036
50-32-8	Benzo[a]pyrene	0.049	U	0.052	0.049
205-99-2	Benzo[b]fluoranthene	0.031	U	0.052	0.031
87-86-5	Pentachlorophenol	0.15	U	0.21	0.15
118-74-1	Hexachlorobenzene	0.018	U	0.021	0.018

Data File: /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/h105258.d
 Report Date: 02-Nov-2012 13:33

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/h105258.d
 Lab Smp Id: 460-46388-D-1-C Client Smp ID: WG-17338-102212-MW3
 Inj Date : 01-NOV-2012 22:39
 Operator : BNAMS 4 Inst ID: BNAMS9.i
 Smp Info : 460-46388-D-1-C
 Misc Info : 460-46388-D-1-C
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/simpah.m
 Meth Date : 01-Nov-2012 14:04 czhao Quant Type: ISTD
 Cal Date : 22-OCT-2012 10:15 Cal File: h104972.d
 Als bottle: 18
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	960.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)
=====	=====	=====	==	=====	=====	=====	=====
* 79 1,4-Dichlorobenzene-d4	152	5.563	5.564	(1.000)	17736	1.00000	
* 80 Naphthalene-d8	136	6.863	6.864	(1.000)	70280	1.00000	
* 82 Acenaphthene-d10	164	8.598	8.589	(1.000)	34886	1.00000	
42 Acenaphthene	154	8.628	8.618	(1.003)	749	0.01583	0.033(a)
47 Fluorene	166	9.134	9.134	(1.062)	603	0.01113	0.023(a)
* 83 Phenanthrene-d10	188	10.050	10.050	(1.000)	52951	1.00000	
52 Phenanthrene	178	10.079	10.070	(1.003)	1760	0.02275	0.047(a)
* 81 Chrysene-d12	240	12.773	12.765	(1.000)	43986	1.00000	
* 84 Perylene-d12	264	14.856	14.857	(1.000)	42091	1.00000	

QC Flag Legend

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

Data File: h105258.d

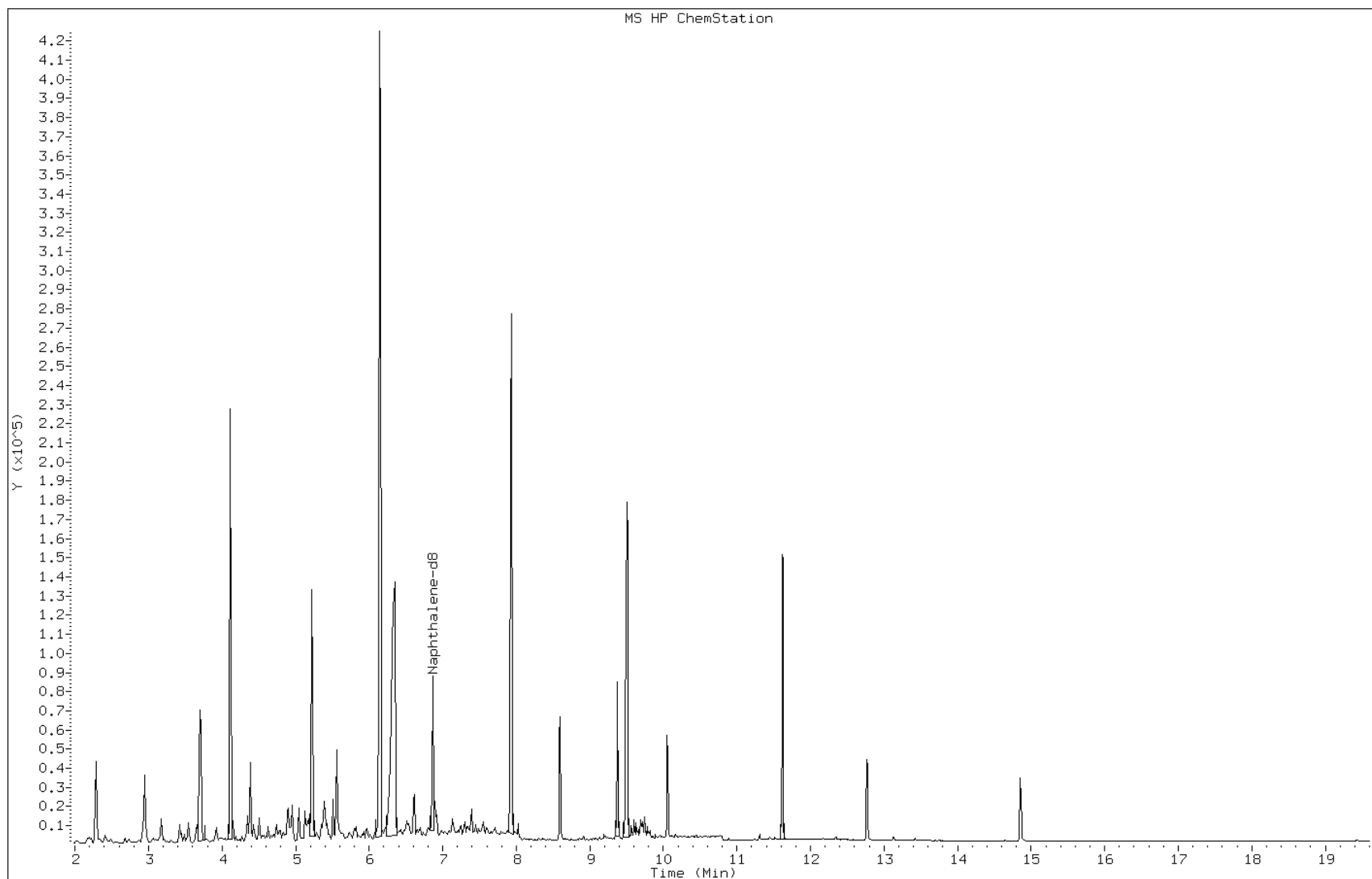
Date: 01-NOV-2012 22:39

Client ID: WG-17338-102212-MW3

Instrument: BNAMS9.i

Sample Info: 460-46388-D-1-C

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: WG-17338-102212-MW36S-MM- Lab Sample ID: 460-46388-2
Matrix: Water Lab File ID: h105259.d
Analysis Method: 8270C SIM Date Collected: 10/22/2012 12:15
Extract. Method: 3510C Date Extracted: 10/27/2012 19:10
Sample wt/vol: 970 (mL) Date Analyzed: 11/01/2012 23:08
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 134292 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-55-3	Benzo[a]anthracene	0.036	U	0.052	0.036
50-32-8	Benzo[a]pyrene	0.049	U	0.052	0.049
205-99-2	Benzo[b]fluoranthene	0.031	U	0.052	0.031
87-86-5	Pentachlorophenol	0.14	U	0.21	0.14
118-74-1	Hexachlorobenzene	0.017	U	0.021	0.017

Data File: /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/h105259.d
 Report Date: 02-Nov-2012 13:34

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/h105259.d
 Lab Smp Id: 460-46388-E-2-C Client Smp ID: WG-17338-102212-MW3
 Inj Date : 01-NOV-2012 23:08
 Operator : BNAMS 4 Inst ID: BNAMS9.i
 Smp Info : 460-46388-E-2-C
 Misc Info : 460-46388-E-2-C
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/simpah.m
 Meth Date : 01-Nov-2012 14:04 czhao Quant Type: ISTD
 Cal Date : 22-OCT-2012 10:15 Cal File: h104972.d
 Als bottle: 19
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	970.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN FINAL (ug/ml) (ug/L)
=====	=====	=====	==	=====	=====	=====	=====
* 79 1,4-Dichlorobenzene-d4	152	5.577	5.564 (1.000)	15911	1.00000		
* 80 Naphthalene-d8	136	6.877	6.864 (1.000)	58877	1.00000		
31 Naphthalene	128	6.905	6.878 (1.004)	6297038	96.8634	200(A)	
* 82 Acenaphthene-d10	164	8.598	8.589 (1.000)	42758	1.00000	(M)	
42 Acenaphthene	154	8.628	8.618 (1.003)	30811	0.53134	1.1	
47 Fluorene	166	9.144	9.134 (1.063)	65876	0.99236	2.0	
* 83 Phenanthrene-d10	188	10.060	10.050 (1.000)	50263	1.00000		
52 Phenanthrene	178	10.080	10.070 (1.002)	80177	1.09157	2.2	
53 Anthracene	178	10.138	10.128 (1.008)	7404	0.10525	0.22	
57 Pyrene	202	11.456	11.465 (0.897)	1288	0.01699	0.035(aM)	
* 81 Chrysene-d12	240	12.773	12.765 (1.000)	40402	1.00000		
* 84 Perylene-d12	264	14.865	14.857 (1.000)	40034	1.00000		

Data File: /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/h105259.d
Report Date: 02-Nov-2012 13:34

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount
exceeded maximum amount.
- M - Compound response manually integrated.

Data File: h105259.d

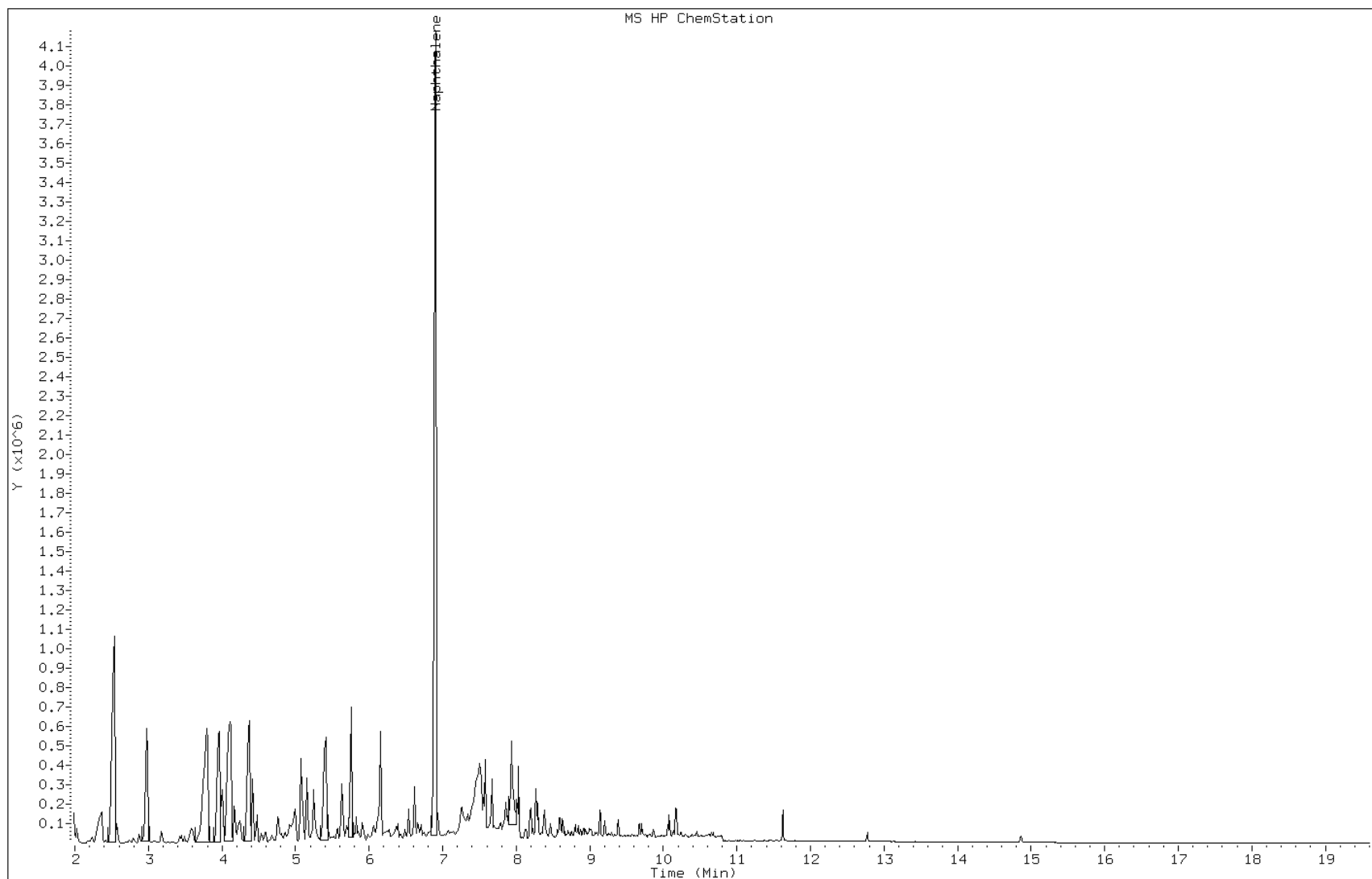
Date: 01-NOV-2012 23:08

Client ID: WG-17338-102212-MW3

Instrument: BNAMS9.i

Sample Info: 460-46388-E-2-C

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: WG-17338-102312-MW36D-MM- Lab Sample ID: 460-46388-3
Matrix: Water Lab File ID: h105260.d
Analysis Method: 8270C SIM Date Collected: 10/23/2012 13:00
Extract. Method: 3510C Date Extracted: 10/27/2012 19:10
Sample wt/vol: 960 (mL) Date Analyzed: 11/01/2012 23:37
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 134292 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-55-3	Benzo[a]anthracene	0.036	U	0.052	0.036
50-32-8	Benzo[a]pyrene	0.049	U	0.052	0.049
205-99-2	Benzo[b]fluoranthene	0.031	U	0.052	0.031
87-86-5	Pentachlorophenol	0.15	U	0.21	0.15
118-74-1	Hexachlorobenzene	0.018	U	0.021	0.018

Data File: /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/h105260.d
 Report Date: 02-Nov-2012 13:34

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/h105260.d
 Lab Smp Id: 460-46388-E-3-C Client Smp ID: WG-17338-102312-MW3
 Inj Date : 01-NOV-2012 23:37
 Operator : BNAMS 4 Inst ID: BNAMS9.i
 Smp Info : 460-46388-E-3-C
 Misc Info : 460-46388-E-3-C
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/simpah.m
 Meth Date : 01-Nov-2012 14:04 czhao Quant Type: ISTD
 Cal Date : 22-OCT-2012 10:15 Cal File: h104972.d
 Als bottle: 20
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	960.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN FINAL (ug/ml) (ug/L)
=====	=====	=====	==	=====	=====	=====	=====
* 79 1,4-Dichlorobenzene-d4	152	5.563	5.564	(1.000)	17004	1.00000	
* 80 Naphthalene-d8	136	6.863	6.864	(1.000)	67229	1.00000	
31 Naphthalene	128	6.877	6.878	(1.002)	460888	6.20880	13(A)
* 82 Acenaphthene-d10	164	8.598	8.589	(1.000)	34490	1.00000	
42 Acenaphthene	154	8.628	8.618	(1.003)	1666	0.03562	0.074
47 Fluorene	166	9.134	9.134	(1.062)	3548	0.06626	0.14
* 83 Phenanthrene-d10	188	10.050	10.050	(1.000)	51987	1.00000	
52 Phenanthrene	178	10.079	10.070	(1.003)	3450	0.04541	0.095
* 81 Chrysene-d12	240	12.773	12.765	(1.000)	42819	1.00000	
* 84 Perylene-d12	264	14.856	14.857	(1.000)	40297	1.00000	

QC Flag Legend

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

Data File: h105260.d

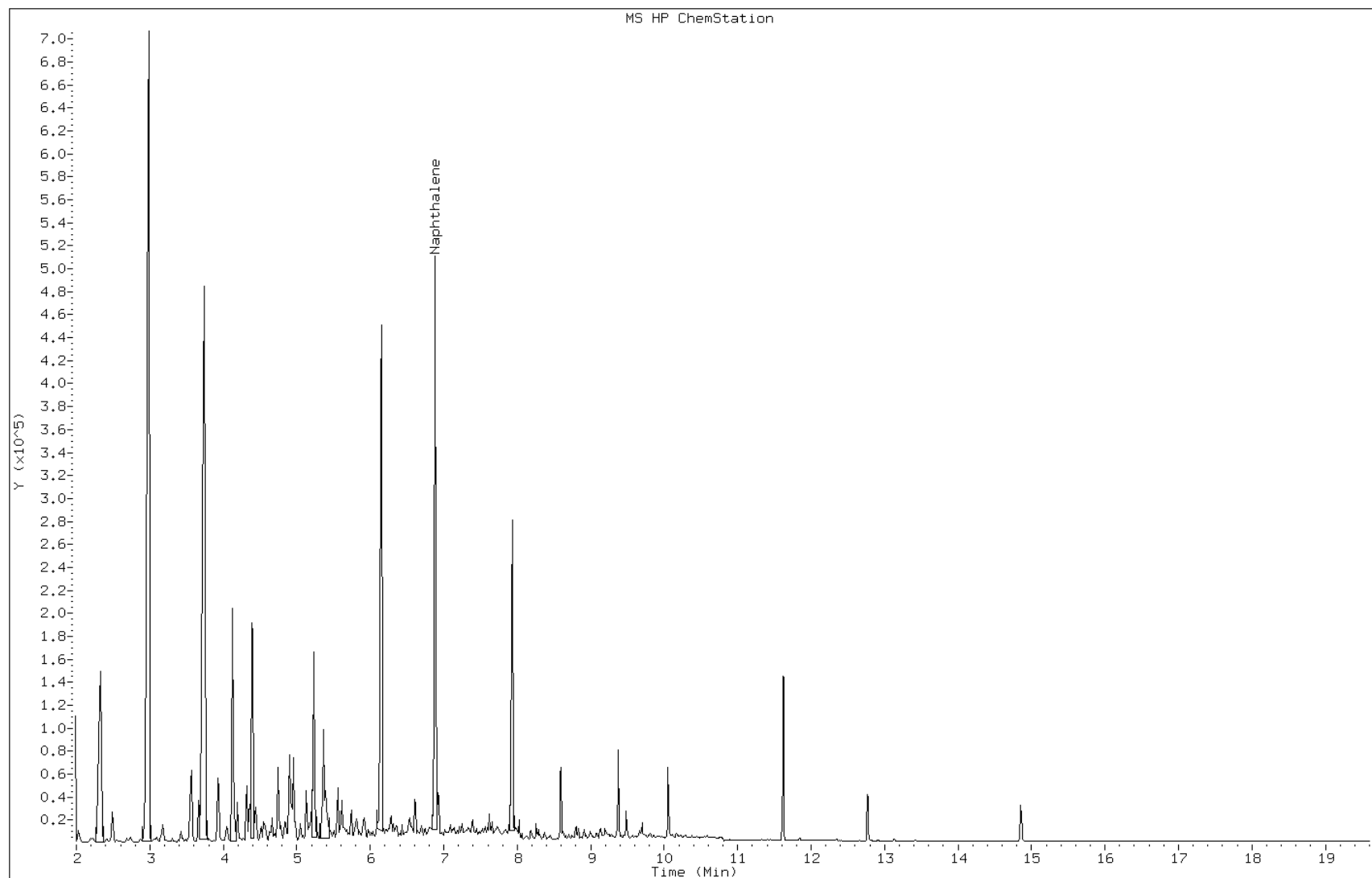
Date: 01-NOV-2012 23:37

Client ID: WG-17338-102312-MW3

Instrument: BNAMS9.i

Sample Info: 460-46388-E-3-C

Operator: BNAMS 4



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

Lab Name: TestAmerica Edison Job No.: 460-46388-1 Analy Batch No.: 133132

SDG No.: _____

Instrument ID: BNAMS9 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2012 07:10 Calibration End Date: 10/22/2012 10:15 Calibration ID: 18207

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-133132/7	h104972.d
Level 2	IC 460-133132/3	h104968.d
Level 3	ICIS 460-133132/2	h104966.d
Level 4	IC 460-133132/4	h104969.d
Level 5	IC 460-133132/5	h104970.d
Level 6	IC 460-133132/6	h104971.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								
N-Nitrosodimethylamine	0.4732 0.5467	0.6080	0.6537	0.6128	0.6507	Ave		0.5909				11.7		15.0			
Bis(2-chloroethyl)ether	1.3712 1.6023	1.5949	1.5442	1.6626	1.5398	Ave		1.5530				6.3		15.0			
Naphthalene	1.3002 0.9785	1.2064	1.0736	1.0410	1.0247	Ave		1.1042				11.2		15.0			
Acenaphthylene	2.5444 2.0826	2.4527	2.1468	2.1286	2.0981	Ave		2.2423				9.0		15.0			
Acenaphthene	1.6222 1.2286	1.4854	1.2847	1.2758	1.2402	Ave		1.3562				11.8		30.0			
Fluorene	1.7935 1.4386	1.6600	1.4957	1.4780	1.4492	Ave		1.5525				9.2		15.0			
Hexachlorobenzene	0.2729 0.2987	0.3306	0.3066	0.3178	0.3077	Ave		0.3060				6.2		15.0			
Pentachlorophenol	0.1322 0.1798	0.1424	0.1987	0.1692	0.1574	Ave		0.1633				15.0		30.0			
Phenanthrene	1.7875 1.2969	1.5914	1.3995	1.3765	1.3160	Ave		1.4613				13.1		15.0			
Anthracene	1.5595 1.3136	1.5109	1.3608	1.3444	1.3079	Ave		1.3996				7.7		15.0			
Fluoranthene	1.5933 1.3013	1.4980	1.3595	1.3471	1.3049	Ave		1.4007				8.5		30.0			
Pyrene	2.2225 1.7166	2.0486	1.8383	1.7941	1.6363	Ave		1.8761				11.7		15.0			
Benzo[a]anthracene	1.7426 1.3478	1.6207	1.4476	1.3728	1.2699	Ave		1.4670				12.3		15.0			
Chrysene	1.8122 1.3798	1.6768	1.4737	1.4451	1.3272	Ave		1.5192				12.3		15.0			
Benzo[b]fluoranthene	1.6444 1.4967	1.6040	1.4259	1.4761	1.2957	Ave		1.4906				8.4		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.: 460-46388-1 Analy Batch No.: 133132

SDG No.: _____

Instrument ID: BNAMS9 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2012 07:10 Calibration End Date: 10/22/2012 10:15 Calibration ID: 18207

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								
Benzo[k]fluoranthene	1.7770 1.4603	1.6994	1.5272	1.5406	1.4377	Ave		1.5737				8.6		15.0			
Benzo[a]pyrene	1.4384 1.3325	1.4088	1.3204	1.3439	1.2152	Ave		1.3433				5.8		30.0			
Indeno[1,2,3-cd]pyrene	1.1568 1.1501	1.1774	1.0834	1.1206	1.0190	Ave		1.1180				5.2		15.0			
Dibenz(a,h)anthracene	1.1381 1.1178	1.1356	1.0751	1.1370	1.0293	Ave		1.1057				4.0		15.0			
Benzo[g,h,i]perylene	1.5129 1.2632	1.4094	1.2838	1.2982	1.1697	Ave		1.3229				9.1		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.: 460-46388-1 Analy Batch No.: 133132

SDG No.: _____

Instrument ID: BNAMS9 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2012 07:10 Calibration End Date: 10/22/2012 10:15 Calibration ID: 18207

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-133132/7	h104972.d
Level 2	IC 460-133132/3	h104968.d
Level 3	ICIS 460-133132/2	h104966.d
Level 4	IC 460-133132/4	h104969.d
Level 5	IC 460-133132/5	h104970.d
Level 6	IC 460-133132/6	h104971.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
N-Nitrosodimethylamine	DCB	Ave	849 46495	2516	5874	10026	22563	0.100 5.00	0.250	0.500	1.00	2.00
Bis(2-chloroethyl)ether	DCB	Ave	246 136256	660	2775	27201	53393	0.0100 5.00	0.0250	0.100	1.00	2.00
Naphthalene	NPT	Ave	2213 130143	3902	7216	32883	67250	0.0250 2.00	0.0500	0.100	0.500	1.00
Acenaphthylene	ANT	Ave	2094 131771	3778	7241	32145	66840	0.0250 2.00	0.0500	0.100	0.500	1.00
Acenaphthene	ANT	Ave	1335 77737	2288	4333	19267	39509	0.0250 2.00	0.0500	0.100	0.500	1.00
Fluorene	ANT	Ave	1476 91024	2557	5045	22320	46169	0.0250 2.00	0.0500	0.100	0.500	1.00
Hexachlorobenzene	PHN	Ave	136 72739	386	1586	14415	29910	0.0100 5.00	0.0250	0.100	1.00	2.00
Pentachlorophenol	PHN	Ave	659 43769	1662	5141	7676	15305	0.100 5.00	0.250	0.500	1.00	2.00
Phenanthrene	PHN	Ave	2227 126313	3716	7240	31216	63965	0.0250 2.00	0.0500	0.100	0.500	1.00
Anthracene	PHN	Ave	1943 127935	3528	7040	30488	63575	0.0250 2.00	0.0500	0.100	0.500	1.00
Fluoranthene	PHN	Ave	1985 126745	3498	7033	30549	63426	0.0250 2.00	0.0500	0.100	0.500	1.00
Pyrene	CRY	Ave	2107 131168	3620	7260	31785	65267	0.0250 2.00	0.0500	0.100	0.500	1.00
Benzo[a]anthracene	CRY	Ave	1652 102987	2864	5717	24321	50652	0.0250 2.00	0.0500	0.100	0.500	1.00
Chrysene	CRY	Ave	1718 105428	2963	5820	25602	52938	0.0250 2.00	0.0500	0.100	0.500	1.00
Benzo[b]fluoranthene	PRY	Ave	1413 103613	2572	5179	23626	47929	0.0250 2.00	0.0500	0.100	0.500	1.00
Benzo[k]fluoranthene	PRY	Ave	1527 101095	2725	5547	24659	53179	0.0250 2.00	0.0500	0.100	0.500	1.00

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

Lab Name: TestAmerica Edison Job No.: 460-46388-1 Analy Batch No.: 133132

SDG No.: _____

Instrument ID: BNAMS9 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2012 07:10 Calibration End Date: 10/22/2012 10:15 Calibration ID: 18207

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
Benzo[a]pyrene	PRY	Ave	1236 92244	2259	4796	21510	44951	0.0250 2.00	0.0500	0.100	0.500	1.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	994 79622	1888	3935	17937	37691	0.0250 2.00	0.0500	0.100	0.500	1.00
Dibenz(a,h)anthracene	PRY	Ave	978 77381	1821	3905	18199	38075	0.0250 2.00	0.0500	0.100	0.500	1.00
Benzo[g,h,i]perylene	PRY	Ave	1300 87450	2260	4663	20779	43267	0.0250 2.00	0.0500	0.100	0.500	1.00

Curve Type Legend:

Ave = Average ISTD

Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104966.d
 Report Date: 22-Oct-2012 09:58

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104966.d
 Lab Smp Id: ICIS-1764505
 Inj Date : 22-OCT-2012 07:10
 Operator : BNAMS 4
 Smp Info : ICIS-1764505
 Misc Info : 4702
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/simpah.m
 Meth Date : 22-Oct-2012 09:58 wahied
 Cal Date : 22-OCT-2012 07:10
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS9.i
 Quant Type: ISTD
 Cal File: h104966.d
 Calibration Sample, Level: 3
 Compound Sublist: all.sub

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
19 N-Nitrosodimethylamine		74	2.153	2.153	(0.380)	5874	0.50000	0.50
* 79 1,4-Dichlorobenzene-d4		152	5.661	5.661	(1.000)	17971	1.00000	
122 bis(2-chloroethyl)ether		93	5.381	5.381	(0.951)	2775	0.10000	0.10
* 80 Naphthalene-d8		136	6.961	6.961	(1.000)	67213	1.00000	
31 Naphthalene		128	6.989	6.989	(1.004)	7216	0.10000	0.10
39 Acenaphthylene		152	8.559	8.559	(0.984)	7241	0.10000	0.10
* 82 Acenaphthene-d10		164	8.696	8.696	(1.000)	33729	1.00000	
42 Acenaphthene		154	8.735	8.735	(1.004)	4333	0.10000	0.10
47 Fluorene		166	9.241	9.241	(1.063)	5045	0.10000	0.10
51 Hexachlorobenzene		284	9.787	9.787	(0.963)	1586	0.10000	0.10
14 Pentachlorophenol		266	9.982	9.982	(0.982)	5141	0.50000	0.50
* 83 Phenanthrene-d10		188	10.167	10.167	(1.000)	51734	1.00000	
52 Phenanthrene		178	10.186	10.186	(1.002)	7240	0.10000	0.10
53 Anthracene		178	10.235	10.235	(1.007)	7040	0.10000	0.10
56 Fluoranthene		202	11.352	11.352	(1.117)	7033	0.10000	0.10

Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104966.d
 Report Date: 22-Oct-2012 09:58

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
57 Pyrene	202	11.576	11.576	(0.897)	7260	0.10000	0.10
61 Benzo(a)anthracene	228	12.902	12.902	(0.999)	5717	0.10000	0.10
* 81 Chrysene-d12	240	12.911	12.911	(1.000)	39492	1.00000	
62 Chrysene	228	12.945	12.945	(1.003)	5820	0.10000	0.10
65 Benzo(b)fluoranthene	252	14.426	14.426	(0.959)	5179	0.10000	0.10
66 Benzo(k)fluoranthene	252	14.469	14.469	(0.962)	5547	0.10000	0.10
67 Benzo(a)pyrene	252	14.951	14.951	(0.994)	4796	0.10000	0.10
* 84 Perylene-d12	264	15.046	15.046	(1.000)	36321	1.00000	
68 Indeno(1,2,3-cd)pyrene	276	16.905	16.905	(1.124)	3935	0.10000	0.10
69 Dibenzo(a,h)anthracene	278	16.957	16.957	(1.127)	3905	0.10000	0.10
70 Benzo(g,h,i)perylene	276	17.387	17.387	(1.156)	4663	0.10000	0.10

Data File: h104966.d

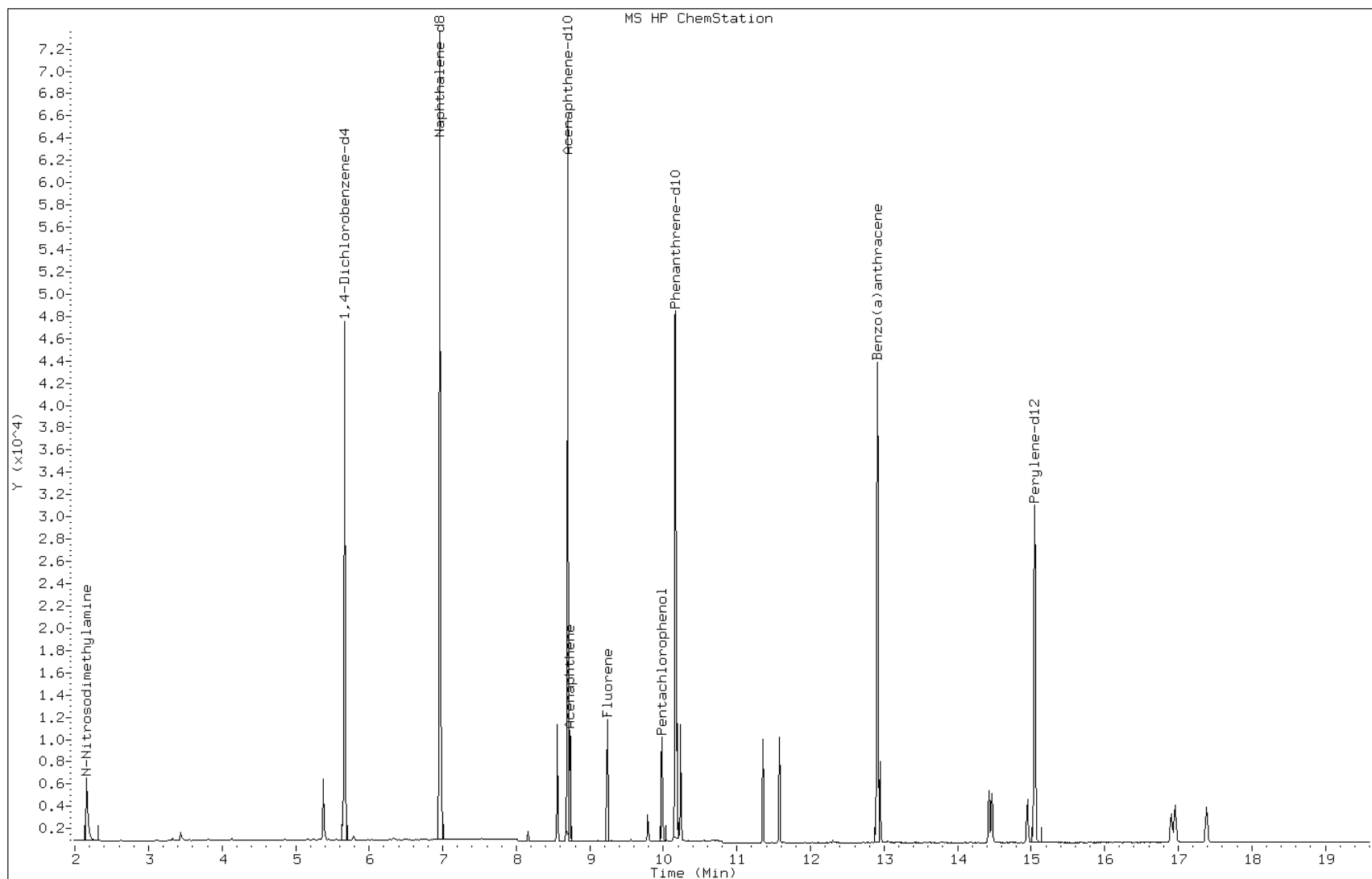
Date: 22-OCT-2012 07:10

Client ID:

Instrument: BNAMS9.i

Sample Info: ICIS-1764505

Operator: BNAMS 4



Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104968.d
 Report Date: 22-Oct-2012 09:58

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104968.d
 Lab Smp Id: IC-1764601
 Inj Date : 22-OCT-2012 08:10
 Operator : BNAMS 4
 Smp Info : IC-1764601
 Misc Info :
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/simpah.m
 Meth Date : 22-Oct-2012 09:58 wahied
 Cal Date : 22-OCT-2012 08:10
 Als bottle: 4
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS9.i
 Quant Type: ISTD
 Cal File: h104968.d
 Calibration Sample, Level: 2
 Compound Sublist: all.sub

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	=====	==	=====	=====	=====	=====	=====
19 N-Nitrosodimethylamine	74		2.181	2.181 (0.385)		2516	0.25000	0.24
* 79 1,4-Dichlorobenzene-d4	152		5.661	5.661 (1.000)		16553	1.00000	
122 bis(2-chloroethyl)ether	93		5.382	5.382 (0.951)		660	0.02500	0.025
* 80 Naphthalene-d8	136		6.961	6.961 (1.000)		64686	1.00000	
31 Naphthalene	128		6.975	6.975 (1.002)		3902	0.05000	0.053
39 Acenaphthylene	152		8.560	8.560 (0.984)		3778	0.05000	0.053
* 82 Acenaphthene-d10	164		8.696	8.696 (1.000)		30807	1.00000	
42 Acenaphthene	154		8.725	8.725 (1.003)		2288	0.05000	0.054
47 Fluorene	166		9.242	9.242 (1.063)		2557	0.05000	0.053
51 Hexachlorobenzene	284		9.787	9.787 (0.964)		386	0.02500	0.026
14 Pentachlorophenol	266		9.982	9.982 (0.983)		1662	0.25000	0.21
* 83 Phenanthrene-d10	188		10.158	10.158 (1.000)		46701	1.00000	
52 Phenanthrene	178		10.177	10.177 (1.002)		3716	0.05000	0.053
53 Anthracene	178		10.235	10.235 (1.008)		3528	0.05000	0.053
56 Fluoranthene	202		11.353	11.353 (1.118)		3498	0.05000	0.052

Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104968.d
 Report Date: 22-Oct-2012 09:58

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
57 Pyrene	202	11.577	11.577	(0.897)	3620	0.05000	0.053
61 Benzo(a)anthracene	228	12.894	12.894	(0.999)	2864	0.05000	0.053
* 81 Chrysene-d12	240	12.911	12.911	(1.000)	35342	1.00000	
62 Chrysene	228	12.945	12.945	(1.003)	2963	0.05000	0.053
65 Benzo(b)fluoranthene	252	14.426	14.426	(0.959)	2572	0.05000	0.053
66 Benzo(k)fluoranthene	252	14.469	14.469	(0.962)	2725	0.05000	0.053
67 Benzo(a)pyrene	252	14.951	14.951	(0.994)	2259	0.05000	0.052
* 84 Perylene-d12	264	15.046	15.046	(1.000)	32070	1.00000	
68 Indeno(1,2,3-cd)pyrene	276	16.914	16.914	(1.124)	1888	0.05000	0.052
69 Dibenzo(a,h)anthracene	278	16.957	16.957	(1.127)	1821	0.05000	0.051
70 Benzo(g,h,i)perylene	276	17.388	17.388	(1.156)	2260	0.05000	0.052

Data File: h104968.d

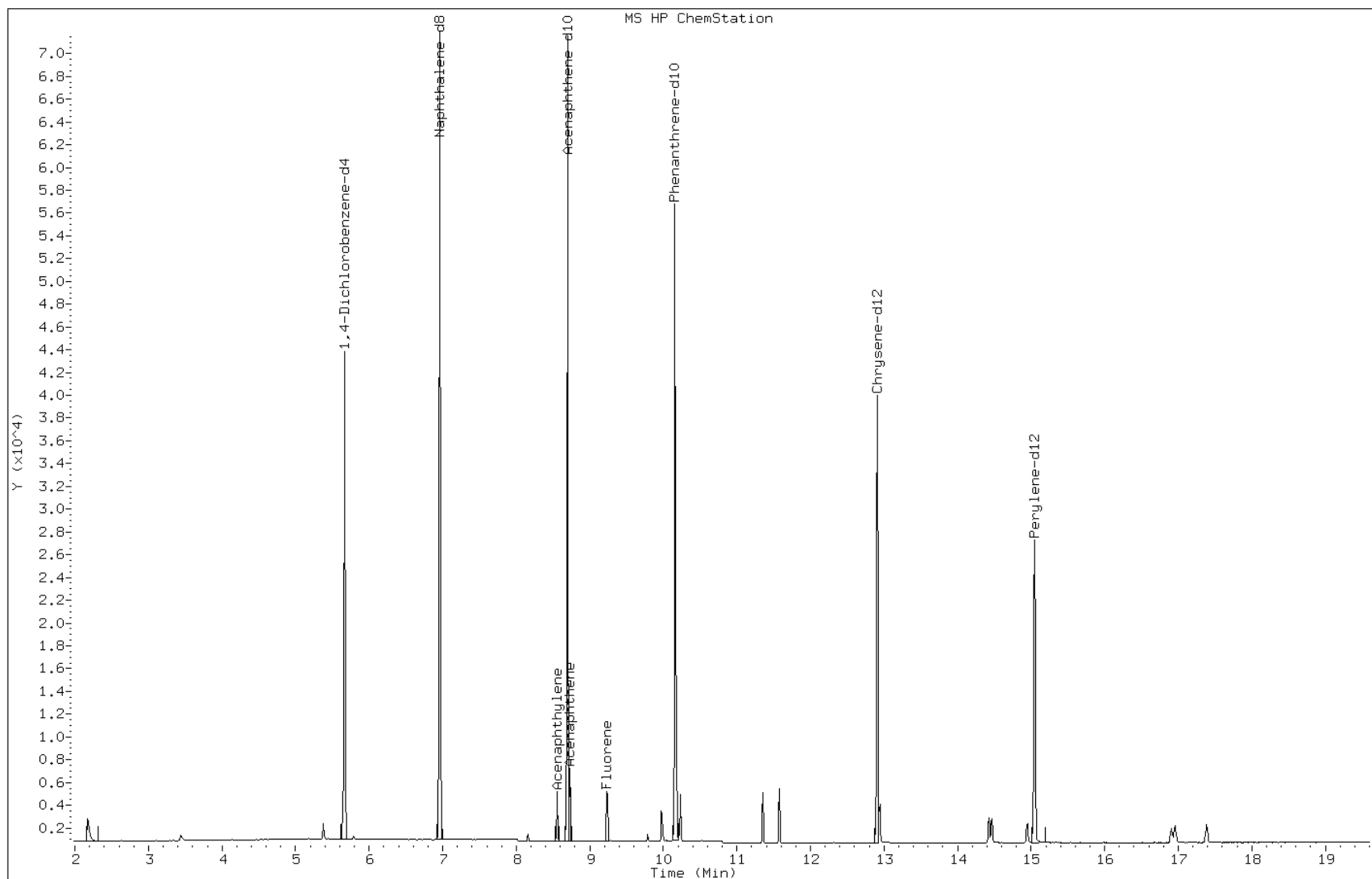
Date: 22-OCT-2012 08:10

Client ID:

Instrument: BNAMS9.i

Sample Info: IC-1764601

Operator: BNAMS 4



Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104969.d
 Report Date: 22-Oct-2012 09:58

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104969.d
 Lab Smp Id: IC-1764602
 Inj Date : 22-OCT-2012 08:40
 Operator : BNAMS 4
 Smp Info : IC-1764602
 Misc Info :
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/simpah.m
 Meth Date : 22-Oct-2012 09:58 wahied
 Cal Date : 22-OCT-2012 08:40
 Als bottle: 5
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS9.i
 Quant Type: ISTD
 Cal File: h104969.d
 Calibration Sample, Level: 4
 Compound Sublist: all.sub

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
19 N-Nitrosodimethylamine		74	2.139	2.139	(0.378)	10026	1.00000	0.98
* 79 1,4-Dichlorobenzene-d4		152	5.661	5.661	(1.000)	16361	1.00000	
122 bis(2-chloroethyl)ether		93	5.382	5.382	(0.951)	27201	1.00000	1.0
* 80 Naphthalene-d8		136	6.961	6.961	(1.000)	63174	1.00000	
31 Naphthalene		128	6.975	6.975	(1.002)	32883	0.50000	0.47
39 Acenaphthylene		152	8.559	8.559	(0.984)	32145	0.50000	0.47
* 82 Acenaphthene-d10		164	8.696	8.696	(1.000)	30203	1.00000	
42 Acenaphthene		154	8.725	8.725	(1.003)	19267	0.50000	0.47
47 Fluorene		166	9.241	9.241	(1.063)	22320	0.50000	0.48
51 Hexachlorobenzene		284	9.787	9.787	(0.964)	14415	1.00000	1.00
14 Pentachlorophenol		266	9.972	9.972	(0.982)	7676	1.00000	0.99
* 83 Phenanthrene-d10		188	10.157	10.157	(1.000)	45356	1.00000	
52 Phenanthrene		178	10.187	10.187	(1.003)	31216	0.50000	0.47
53 Anthracene		178	10.235	10.235	(1.008)	30488	0.50000	0.48
56 Fluoranthene		202	11.353	11.353	(1.118)	30549	0.50000	0.48

Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104969.d
 Report Date: 22-Oct-2012 09:58

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
57 Pyrene	202	11.576	11.576	(0.897)	31785	0.50000	0.47
61 Benzo(a)anthracene	228	12.894	12.894	(0.999)	24321	0.50000	0.46
* 81 Chrysene-d12	240	12.911	12.911	(1.000)	35432	1.00000	
62 Chrysene	228	12.945	12.945	(1.003)	25602	0.50000	0.47
65 Benzo(b)fluoranthene	252	14.426	14.426	(0.959)	23626	0.50000	0.49
66 Benzo(k)fluoranthene	252	14.469	14.469	(0.962)	24659	0.50000	0.48
67 Benzo(a)pyrene	252	14.942	14.942	(0.993)	21510	0.50000	0.49
* 84 Perylene-d12	264	15.046	15.046	(1.000)	32012	1.00000	
68 Indeno(1,2,3-cd)pyrene	276	16.905	16.905	(1.124)	17937	0.50000	0.50
69 Dibenzo(a,h)anthracene	278	16.957	16.957	(1.127)	18199	0.50000	0.51
70 Benzo(g,h,i)perylene	276	17.387	17.387	(1.156)	20779	0.50000	0.49

Data File: h104969.d

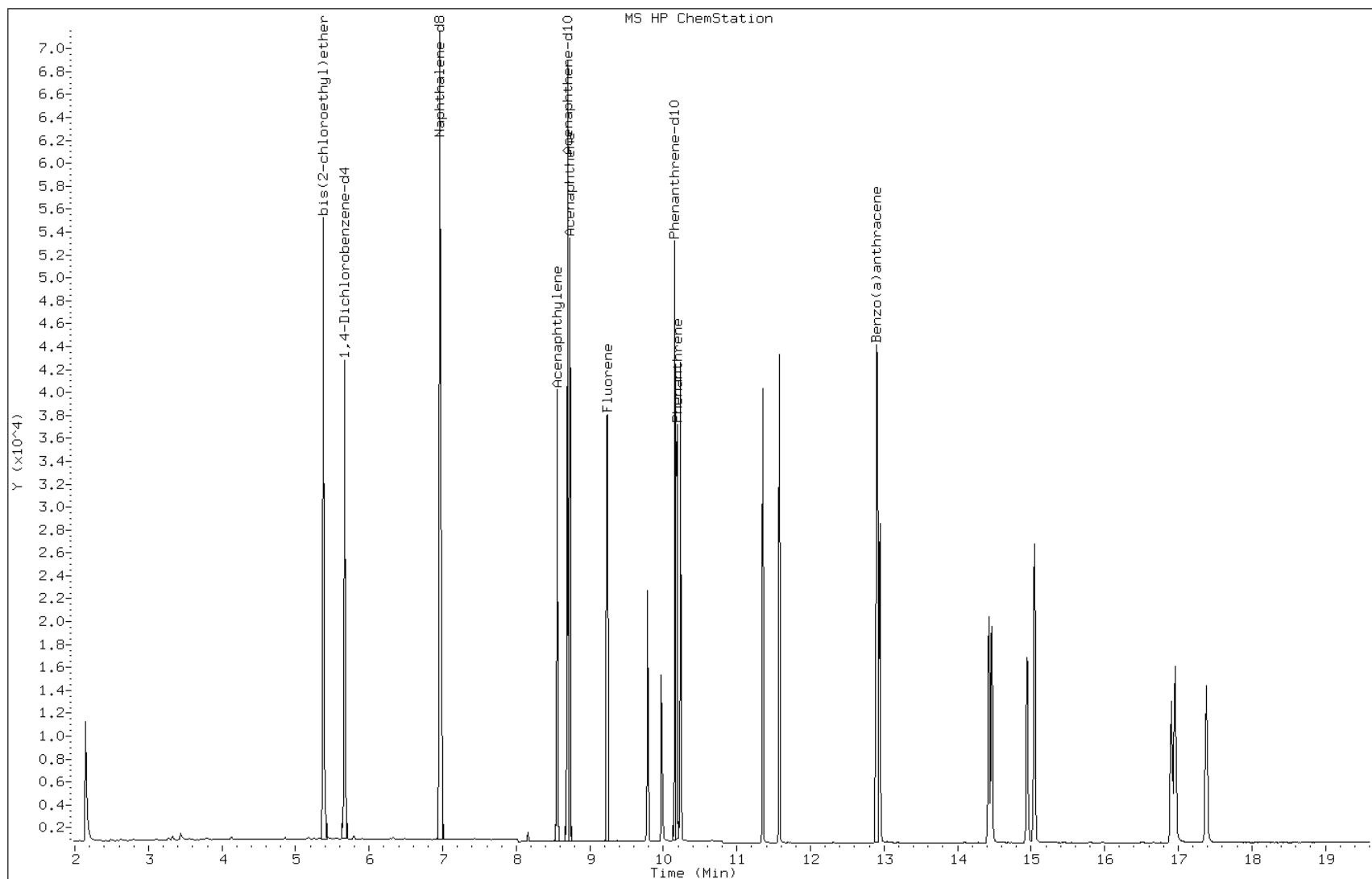
Date: 22-OCT-2012 08:40

Client ID:

Instrument: BNAMS9.i

Sample Info: IC-1764602

Operator: BNAMS 4



Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104970.d
 Report Date: 22-Oct-2012 09:58

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104970.d
 Lab Smp Id: IC-1764653
 Inj Date : 22-OCT-2012 09:10
 Operator : BNAMS 4
 Smp Info : IC-1764653
 Misc Info :
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/simpah.m
 Meth Date : 22-Oct-2012 09:58 wahied
 Cal Date : 22-OCT-2012 09:10
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS9.i
 Quant Type: ISTD
 Cal File: h104970.d
 Calibration Sample, Level: 5
 Compound Sublist: all.sub

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
19 N-Nitrosodimethylamine		74	2.125	2.125 (0.375)		22563	2.00000	2.1
* 79 1,4-Dichlorobenzene-d4		152	5.661	5.661 (1.000)		17338	1.00000	
122 bis(2-chloroethyl)ether		93	5.382	5.382 (0.951)		53393	2.00000	1.9
* 80 Naphthalene-d8		136	6.961	6.961 (1.000)		65626	1.00000	
31 Naphthalene		128	6.975	6.975 (1.002)		67250	1.00000	0.94
39 Acenaphthylene		152	8.559	8.559 (0.984)		66840	1.00000	0.95
* 82 Acenaphthene-d10		164	8.696	8.696 (1.000)		31858	1.00000	
42 Acenaphthene		154	8.725	8.725 (1.003)		39509	1.00000	0.94
47 Fluorene		166	9.232	9.232 (1.062)		46169	1.00000	0.95
51 Hexachlorobenzene		284	9.787	9.787 (0.964)		29910	2.00000	1.9
14 Pentachlorophenol		266	9.972	9.972 (0.982)		15305	2.00000	1.9
* 83 Phenanthrene-d10		188	10.157	10.157 (1.000)		48607	1.00000	
52 Phenanthrene		178	10.177	10.177 (1.002)		63965	1.00000	0.93
53 Anthracene		178	10.235	10.235 (1.008)		63575	1.00000	0.95
56 Fluoranthene		202	11.353	11.353 (1.118)		63426	1.00000	0.95

Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104970.d
 Report Date: 22-Oct-2012 09:58

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
57 Pyrene	202	11.576	11.576	(0.897)	65267	1.00000	0.89
61 Benzo(a)anthracene	228	12.902	12.902	(0.999)	50652	1.00000	0.89
* 81 Chrysene-d12	240	12.911	12.911	(1.000)	39887	1.00000	
62 Chrysene	228	12.945	12.945	(1.003)	52938	1.00000	0.90
65 Benzo(b)fluoranthene	252	14.426	14.426	(0.959)	47929	1.00000	0.89
66 Benzo(k)fluoranthene	252	14.469	14.469	(0.962)	53179	1.00000	0.93
67 Benzo(a)pyrene	252	14.951	14.951	(0.994)	44951	1.00000	0.92
* 84 Perylene-d12	264	15.046	15.046	(1.000)	36990	1.00000	
68 Indeno(1,2,3-cd)pyrene	276	16.914	16.914	(1.124)	37691	1.00000	0.93
69 Dibenzo(a,h)anthracene	278	16.966	16.966	(1.128)	38075	1.00000	0.94
70 Benzo(g,h,i)perylene	276	17.388	17.388	(1.156)	43267	1.00000	0.91

Data File: h104970.d

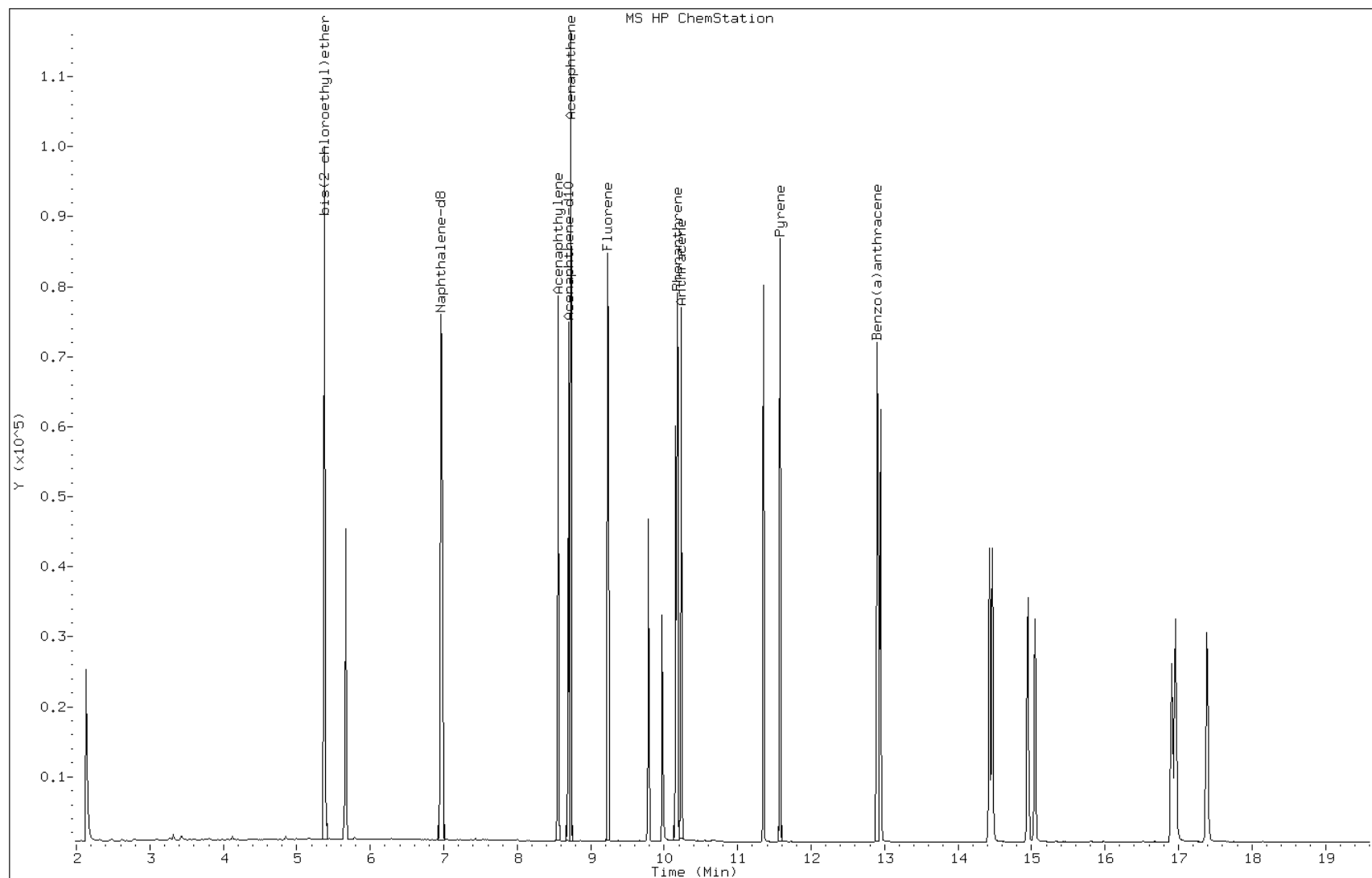
Date: 22-OCT-2012 09:10

Client ID:

Instrument: BNAMS9.i

Sample Info: IC-1764653

Operator: BNAMS 4



Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104971.d
 Report Date: 22-Oct-2012 10:08

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104971.d
 Lab Smp Id: IC-1764671
 Inj Date : 22-OCT-2012 09:46
 Operator : BNAMS 4
 Smp Info : IC-1764671
 Misc Info :
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/simpah.m
 Meth Date : 22-Oct-2012 10:08 czhao
 Cal Date : 22-OCT-2012 09:46
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS9.i
 Quant Type: ISTD
 Cal File: h104971.d
 Calibration Sample, Level: 6
 Compound Sublist: all.sub

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====
19 N-Nitrosodimethylamine	74	2.251	2.251 (0.398)	46495	5.00000	4.3(H)		
* 79 1,4-Dichlorobenzene-d4	152	5.661	5.661 (1.000)	17008	1.00000			
122 bis(2-chloroethyl)ether	93	5.382	5.382 (0.951)	136256	5.00000	5.0(A)		
* 80 Naphthalene-d8	136	6.961	6.961 (1.000)	66498	1.00000			
31 Naphthalene	128	6.975	6.975 (1.002)	130143	2.00000	1.8		
39 Acenaphthylene	152	8.559	8.559 (0.984)	131771	2.00000	1.9		
* 82 Acenaphthene-d10	164	8.696	8.696 (1.000)	31636	1.00000			
42 Acenaphthene	154	8.725	8.725 (1.003)	77737	2.00000	1.9		
47 Fluorene	166	9.242	9.242 (1.063)	91024	2.00000	1.9		
51 Hexachlorobenzene	284	9.787	9.787 (0.964)	72739	5.00000	4.8		
14 Pentachlorophenol	266	9.972	9.972 (0.982)	43769	5.00000	5.3(A)		
* 83 Phenanthrene-d10	188	10.157	10.157 (1.000)	48698	1.00000			
52 Phenanthrene	178	10.187	10.187 (1.003)	126313	2.00000	1.8		
53 Anthracene	178	10.235	10.235 (1.008)	127935	2.00000	1.9		
56 Fluoranthene	202	11.353	11.353 (1.118)	126745	2.00000	1.9		

Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104971.d
 Report Date: 22-Oct-2012 10:08

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
57 Pyrene	202	11.576	11.576	(0.897)	131168	2.00000	1.9
61 Benzo(a)anthracene	228	12.902	12.902	(0.999)	102987	2.00000	1.9
* 81 Chrysene-d12	240	12.911	12.911	(1.000)	38205	1.00000	
62 Chrysene	228	12.945	12.945	(1.003)	105428	2.00000	1.9
65 Benzo(b)fluoranthene	252	14.426	14.426	(0.959)	103613	2.00000	2.0(A)
66 Benzo(k)fluoranthene	252	14.469	14.469	(0.962)	101095	2.00000	1.9
67 Benzo(a)pyrene	252	14.951	14.951	(0.994)	92244	2.00000	2.0(A)
* 84 Perylene-d12	264	15.046	15.046	(1.000)	34614	1.00000	
68 Indeno(1,2,3-cd)pyrene	276	16.914	16.914	(1.124)	79622	2.00000	2.1(A)
69 Dibenzo(a,h)anthracene	278	16.966	16.966	(1.128)	77381	2.00000	2.0(A)
70 Benzo(g,h,i)perylene	276	17.396	17.396	(1.156)	87450	2.00000	2.0

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- H - Operator selected an alternate compound hit.

Data File: h104971.d

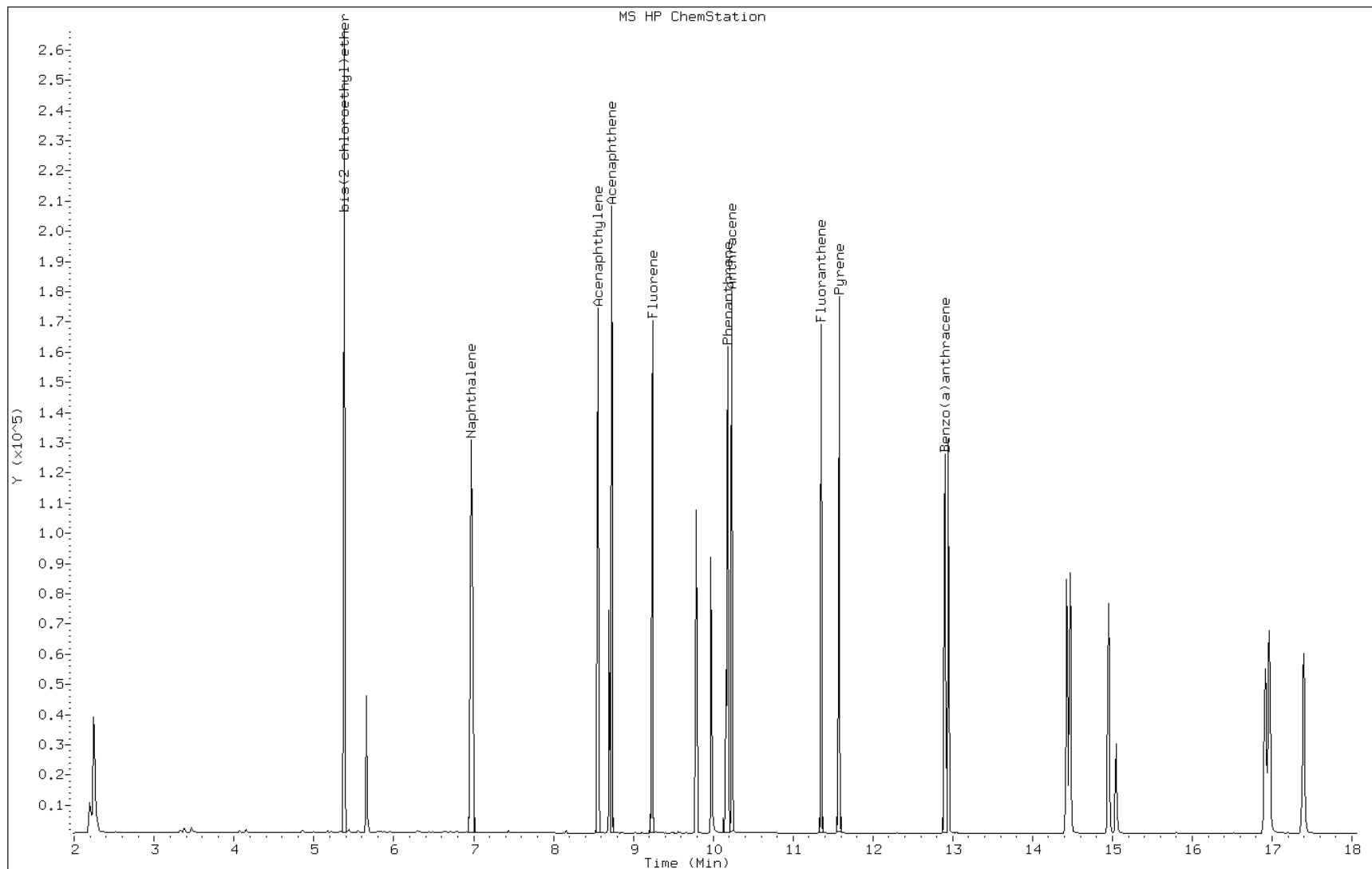
Date: 22-OCT-2012 09:46

Client ID:

Instrument: BNAMS9.i

Sample Info: IC-1764671

Operator: BNAMS 4



Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104972.d
 Report Date: 22-Oct-2012 10:36

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104972.d
 Lab Smp Id: IC-1764587
 Inj Date : 22-OCT-2012 10:15
 Operator : BNAMS 4
 Smp Info : IC-1764587
 Misc Info :
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/simpah.m
 Meth Date : 22-Oct-2012 10:36 czhao
 Cal Date : 22-OCT-2012 10:15
 Als bottle: 8
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS9.i
 Quant Type: ISTD
 Cal File: h104972.d
 Calibration Sample, Level: 1
 Compound Sublist: all.sub

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
19 N-Nitrosodimethylamine		74	2.181	2.181 (0.385)		849	0.10000	0.079(a)
* 79 1,4-Dichlorobenzene-d4		152	5.661	5.661 (1.000)		17940	1.00000	
122 bis(2-chloroethyl)ether		93	5.381	5.381 (0.951)		246	0.01000	0.0088(a)
* 80 Naphthalene-d8		136	6.961	6.961 (1.000)		68080	1.00000	
31 Naphthalene		128	6.975	6.975 (1.002)		2213	0.02500	0.029
39 Acenaphthylene		152	8.559	8.559 (0.984)		2094	0.02500	0.028
* 82 Acenaphthene-d10		164	8.696	8.696 (1.000)		32919	1.00000	
42 Acenaphthene		154	8.725	8.725 (1.003)		1335	0.02500	0.030
47 Fluorene		166	9.232	9.232 (1.062)		1476	0.02500	0.029
51 Hexachlorobenzene		284	9.787	9.787 (0.964)		136	0.01000	0.0090(a)
14 Pentachlorophenol		266	9.982	9.982 (0.983)		659	0.10000	0.081(a)
* 83 Phenanthrene-d10		188	10.157	10.157 (1.000)		49835	1.00000	
52 Phenanthrene		178	10.177	10.177 (1.002)		2227	0.02500	0.030
53 Anthracene		178	10.235	10.235 (1.008)		1943	0.02500	0.028
56 Fluoranthene		202	11.352	11.352 (1.118)		1985	0.02500	0.028

Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104972.d
 Report Date: 22-Oct-2012 10:36

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
57 Pyrene	202	11.576	11.576	(0.897)	2107	0.02500	0.030
61 Benzo(a)anthracene	228	12.893	12.893	(0.999)	1652	0.02500	0.030
* 81 Chrysene-d12	240	12.911	12.911	(1.000)	37921	1.00000	
62 Chrysene	228	12.945	12.945	(1.003)	1718	0.02500	0.030
65 Benzo(b)fluoranthene	252	14.426	14.426	(0.959)	1413	0.02500	0.028
66 Benzo(k)fluoranthene	252	14.469	14.469	(0.962)	1527	0.02500	0.028
67 Benzo(a)pyrene	252	14.951	14.951	(0.994)	1236	0.02500	0.027
* 84 Perylene-d12	264	15.046	15.046	(1.000)	34372	1.00000	
68 Indeno(1,2,3-cd)pyrene	276	16.905	16.905	(1.124)	994	0.02500	0.026
69 Dibenzo(a,h)anthracene	278	16.957	16.957	(1.127)	978	0.02500	0.026
70 Benzo(g,h,i)perylene	276	17.387	17.387	(1.156)	1300	0.02500	0.028

QC Flag Legend

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

Data File: h104972.d

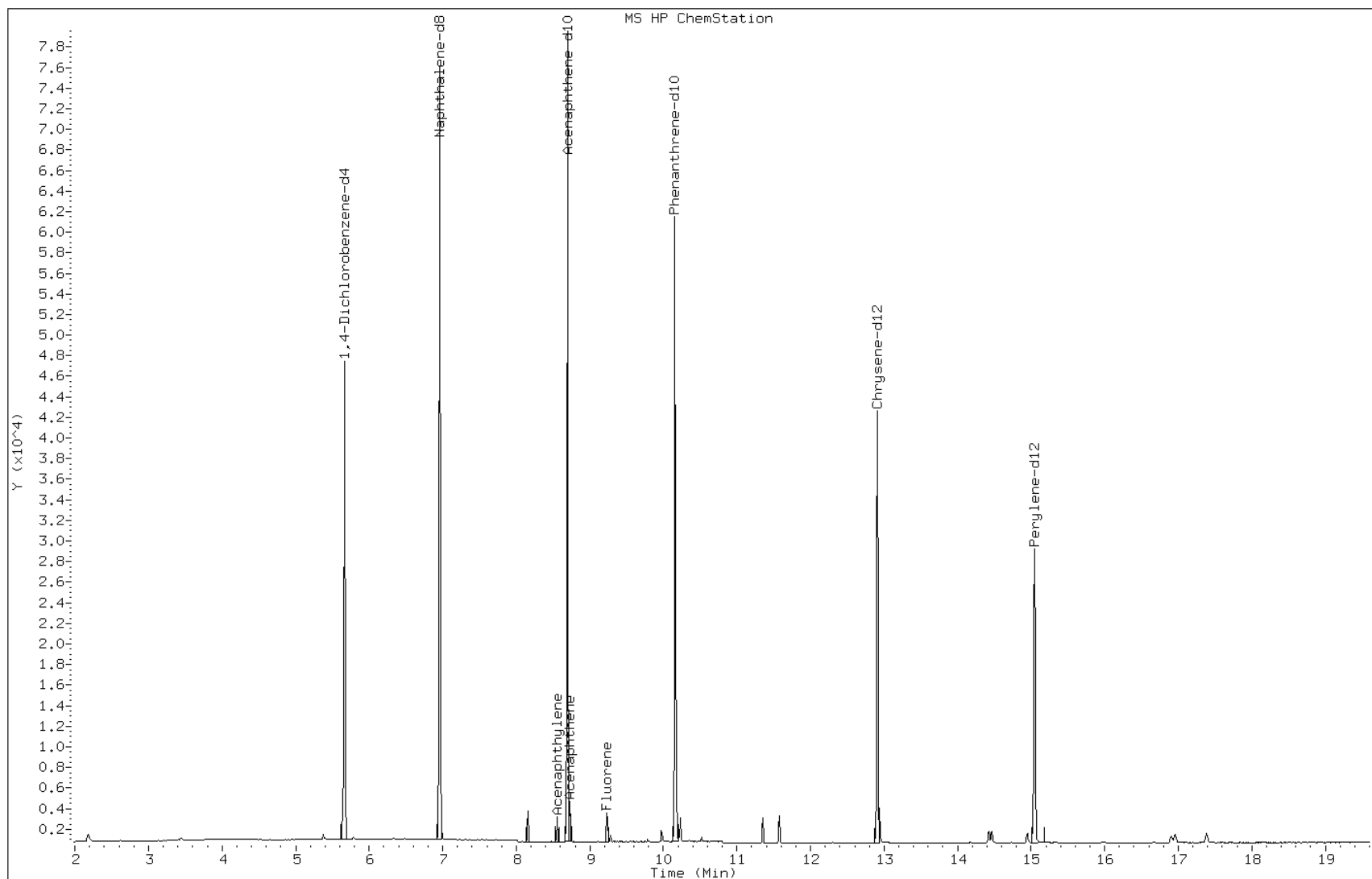
Date: 22-OCT-2012 10:15

Client ID:

Instrument: BNAMS9.i

Sample Info: IC-1764587

Operator: BNAMS 4



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-134292/2 Calibration Date: 11/01/2012 14:40
 Instrument ID: BNAMS9 Calib Start Date: 10/22/2012 07:10
 GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 10/22/2012 10:15
 Lab File ID: h105242.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.5909	0.6308		534	500	6.8	20.0
Bis(2-chloroethyl)ether	Ave	1.552	1.575		101	100	1.5	20.0
Naphthalene	Ave	1.104	1.211		110	100	9.7	20.0
Acenaphthylene	Ave	2.242	2.106		93.9	100	-6.1	20.0
Acenaphthene	Ave	1.356	1.264		93.2	100	-6.8	20.0
Fluorene	Ave	1.553	1.539		99.1	100	-0.9	20.0
Hexachlorobenzene	Ave	0.3057	0.3005		98.2	100	-1.7	20.0
Pentachlorophenol	Ave	0.1633	0.1537		470	500	-5.9	20.0
Phenanthrene	Ave	1.461	1.356		92.8	100	-7.2	20.0
Anthracene	Ave	1.400	1.247		89.1	100	-10.9	20.0
Fluoranthene	Ave	1.401	1.359		97.0	100	-3.0	20.0
Pyrene	Ave	1.876	1.852		98.7	100	-1.3	20.0
Benzo[a]anthracene	Ave	1.467	1.438		98.0	100	-2.0	20.0
Chrysene	Ave	1.519	1.498		98.6	100	-1.4	20.0
Benzo[b]fluoranthene	Ave	1.490	1.507		101	100	1.1	20.0
Benzo[k]fluoranthene	Ave	1.574	1.444		91.7	100	-8.3	20.0
Benzo[a]pyrene	Ave	1.343	1.314		97.8	100	-2.2	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.118	1.079		96.5	100	-3.5	20.0
Dibenz(a,h)anthracene	Ave	1.106	1.102		99.7	100	-0.3	20.0
Benzo[g,h,i]perylene	Ave	1.323	1.230		93.0	100	-7.0	20.0

Data File: /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/h105242.d
 Report Date: 01-Nov-2012 14:04

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/h105242.d
 Lab Smp Id: CCVIS-1764505
 Inj Date : 01-NOV-2012 14:40
 Operator : BNAMS 4
 Smp Info : CCVIS-1764505
 Misc Info : 4702
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/simpah.m
 Meth Date : 01-Nov-2012 14:04 czhao
 Cal Date : 22-OCT-2012 10:15
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS9.i
 Quant Type: ISTD
 Cal File: h104972.d
 Continuing Calibration Sample
 Compound Sublist: all.sub

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/ml)	(ug/ml)
19 N-Nitrosodimethylamine		74	2.013	2.013 (0.362)		6194	0.50000	0.53(M)
* 79 1,4-Dichlorobenzene-d4		152	5.564	5.564 (1.000)		19639	1.00000	
122 bis(2-chloroethyl)ether		93	5.284	5.284 (0.950)		3094	0.10000	0.10
* 80 Naphthalene-d8		136	6.864	6.864 (1.000)		76762	1.00000	
31 Naphthalene		128	6.878	6.878 (1.002)		9294	0.10000	0.11
39 Acenaphthylene		152	8.452	8.452 (0.984)		7734	0.10000	0.094
* 82 Acenaphthene-d10		164	8.589	8.589 (1.000)		36727	1.00000	
42 Acenaphthene		154	8.618	8.618 (1.003)		4641	0.10000	0.093
47 Fluorene		166	9.134	9.134 (1.064)		5653	0.10000	0.099
51 Hexachlorobenzene		284	9.680	9.680 (0.963)		1801	0.10000	0.098
14 Pentachlorophenol		266	9.875	9.875 (0.983)		4605	0.50000	0.47
* 83 Phenanthrene-d10		188	10.050	10.050 (1.000)		59941	1.00000	
52 Phenanthrene		178	10.070	10.070 (1.002)		8129	0.10000	0.093
53 Anthracene		178	10.128	10.128 (1.008)		7477	0.10000	0.089
56 Fluoranthene		202	11.241	11.241 (1.118)		8145	0.10000	0.097

Data File: /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/h105242.d
 Report Date: 01-Nov-2012 14:04

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
57 Pyrene	202	11.465	11.465	(0.898)	8587	0.10000	0.099
61 Benzo(a)anthracene	228	12.756	12.756	(0.999)	6667	0.10000	0.098
* 81 Chrysene-d12	240	12.765	12.765	(1.000)	46373	1.00000	
62 Chrysene	228	12.799	12.799	(1.003)	6945	0.10000	0.098
65 Benzo(b)fluoranthene	252	14.245	14.245	(0.959)	6724	0.10000	0.10
66 Benzo(k)fluoranthene	252	14.288	14.288	(0.962)	6442	0.10000	0.092
67 Benzo(a)pyrene	252	14.762	14.762	(0.994)	5861	0.10000	0.098
* 84 Perylene-d12	264	14.857	14.857	(1.000)	44618	1.00000	
68 Indeno(1,2,3-cd)pyrene	276	16.690	16.690	(1.123)	4813	0.10000	0.096
69 Dibenzo(a,h)anthracene	278	16.742	16.742	(1.127)	4918	0.10000	0.100
70 Benzo(g,h,i)perylene	276	17.164	17.164	(1.155)	5488	0.10000	0.093

QC Flag Legend

M - Compound response manually integrated.

Data File: h105242.d

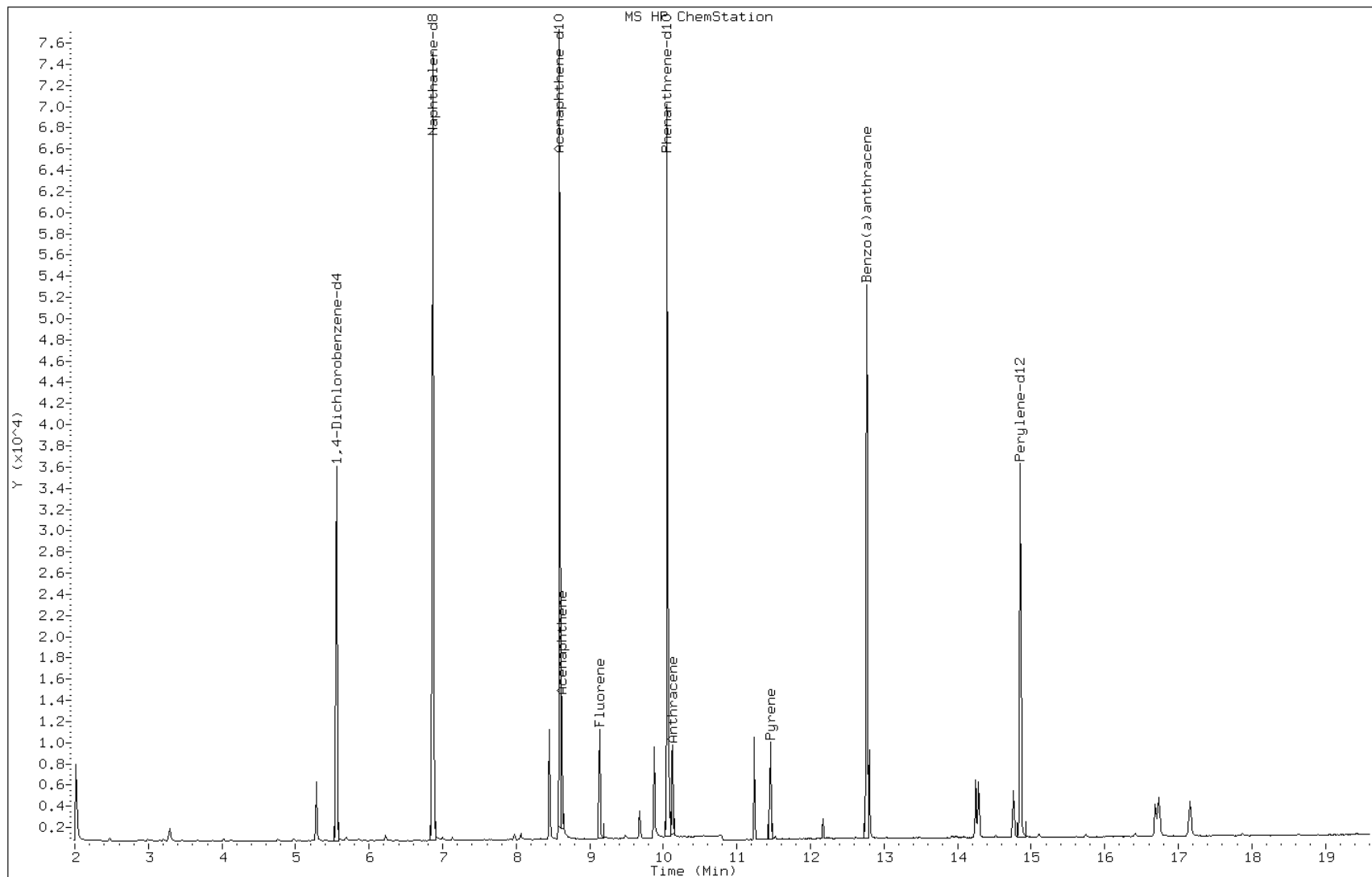
Date: 01-NOV-2012 14:40

Client ID:

Instrument: BNAMS9.i

Sample Info: CCVIS-1764505

Operator: BNAMS 4



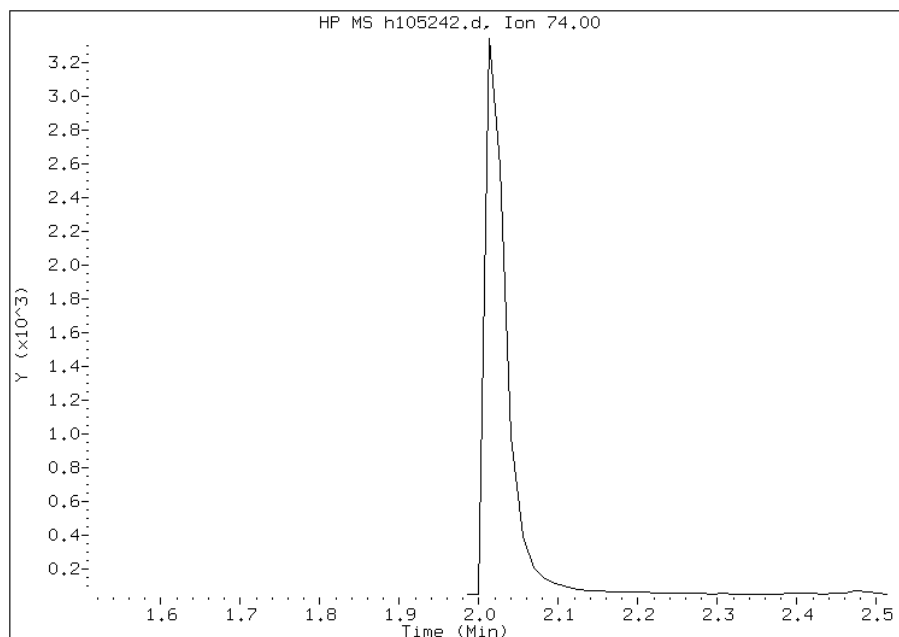
Manual Integration Report

Data File: h105242.d
Inj. Date and Time: 01-NOV-2012 14:40
Instrument ID: BNAMS9.i
Client ID:
Compound: 19 N-Nitrosodimethylamine
CAS #: 123-91-1
Report Date: 11/02/2012

Processing Integration Results

Not Detected

Expected RT: 2.01



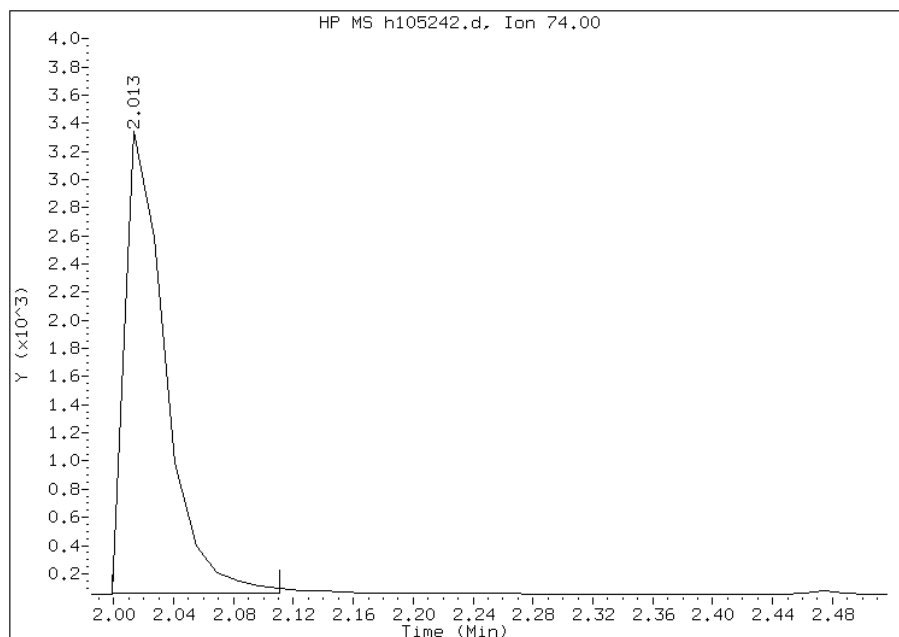
Manual Integration Results

RT: 2.01

Response: 6194

Amount: 1

Conc: 1



Manually Integrated By: wahied

Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104965.d
 Report Date: 22-Oct-2012 07:08

TestAmerica

Data file : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104965.d
 Lab Smp Id: DFTPP-1653831
 Inj Date : 22-OCT-2012 06:48
 Operator : BNA2
 Smp Info : DFTPP-1653831
 Misc Info : bna-4687
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/BNADFTPP.m
 Meth Date : 22-Oct-2012 07:07 wahied
 Cal Date :
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: BNAMS9.i
 Quant Type: ESTD
 Cal File:
 QC Sample: DFTPP
 Compound Sublist: all.sub
 Sample Matrix: None

					CONCENTRATIONS				
					ON-COL	FINAL			
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
1 dftpp					CAS #:				
6.301	6.300	0.001	198	22661			0.00- 100.00	100.00	
6.301	6.300	0.001	51	12556			30.00- 60.00	55.41	
6.301	6.300	0.001	68	0			0.00- 2.00	0.00	
6.301	6.300	0.001	69	11362			0.00- 0.00	50.14	
6.301	6.300	0.001	70	0			0.00- 2.00	0.00	
6.301	6.300	0.001	127	12216			40.00- 60.00	53.91	
6.301	6.300	0.001	197	0			0.00- 1.00	0.00	
6.301	6.300	0.001	199	1484			5.00- 9.00	6.55	
6.301	6.300	0.001	275	4982			10.00- 30.00	21.98	
6.301	6.300	0.001	365	647			1.00- 0.00	2.86	
6.301	6.300	0.001	441	2527			0.01- 100.00	85.66	
6.301	6.300	0.001	442	16899			40.00- 110.00	74.57	
6.301	6.300	0.001	443	2950			17.00- 23.00	17.46	

Data File: h104965.d

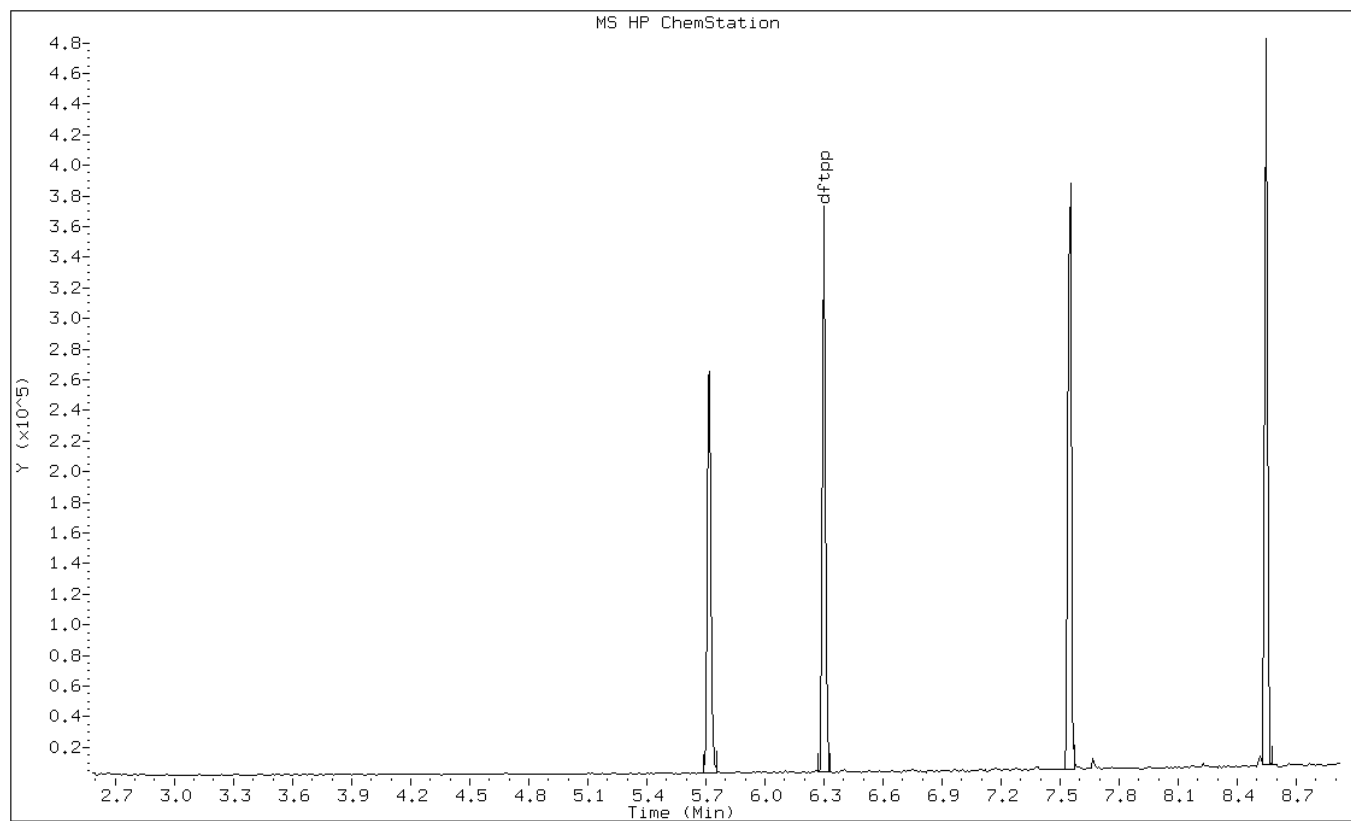
Date: 22-OCT-2012 06:48

Client ID:

Instrument: BNAMS9.i

Sample Info: DFTPP-1653831

Operator: BNA2



Data File: h104965.d

Date: 22-OCT-2012 06:48

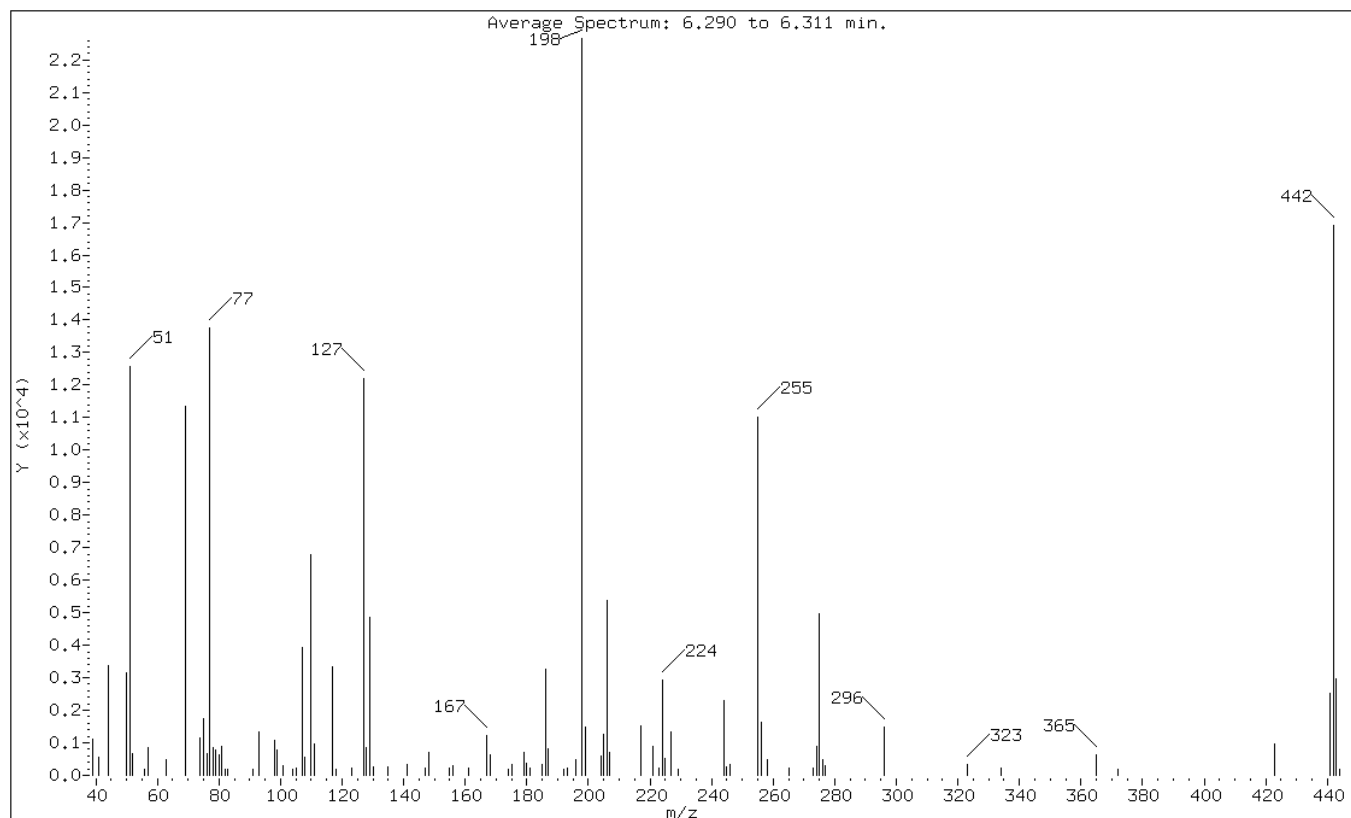
Client ID:

Instrument: BNAMS9.i

Sample Info: DFTPP-1653831

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	55.41
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	50.14
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	53.91
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.55
275	10.00 - 30.00% of mass 198	21.98
365	Greater than 1.00% of mass 198	2.86
441	0.01 - 100.00% of mass 443	11.15 (85.66)
442	40.00 - 110.00% of mass 198	74.57
443	17.00 - 23.00% of mass 442	13.02 (17.46)

Data File: h104965.d

Date: 22-OCT-2012 06:48

Client ID:

Instrument: BNAMS9.i

Sample Info: DFTPP-1653831

Operator: BNA2

Data File: /chem/BNAMS9.i/SIMT/10-22-12/22oct12.b/h104965.d

Spectrum: Average Spectrum: 6.290 to 6.311 min.

Location of Maximum: 198.00

Number of points: 93

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1095	101.00	298	175.00	335	245.00	258
41.00	571	104.00	183	179.00	692	246.00	331
44.00	3375	105.00	211	180.00	377	255.00	11018
50.00	3140	107.00	3938	181.00	222	256.00	1643
51.00	12556	108.00	558	185.00	350	258.00	468
52.00	656	110.00	6804	186.00	3245	265.00	221
56.00	200	111.00	962	187.00	828	273.00	241
57.00	870	117.00	3350	192.00	187	274.00	898
63.00	477	118.00	185	193.00	211	275.00	4982
69.00	11362	123.00	241	196.00	482	276.00	494
74.00	1165	127.00	12216	198.00	22656	277.00	295
75.00	1728	128.00	857	199.00	1484	296.00	1471
76.00	669	129.00	4840	204.00	591	323.00	316
77.00	13751	130.00	255	205.00	1265	334.00	208
78.00	839	135.00	252	206.00	5374	365.00	647
79.00	774	141.00	351	207.00	703	372.00	181
80.00	647	147.00	212	217.00	1527	423.00	977
81.00	873	148.00	689	221.00	884	441.00	2527
82.00	170	155.00	207	223.00	239	442.00	16896
83.00	182	156.00	298	224.00	2932	443.00	2950
91.00	177	161.00	214	225.00	535	444.00	201
93.00	1321	167.00	1219	227.00	1321		
98.00	1084	168.00	648	229.00	192		
99.00	787	174.00	175	244.00	2308		

Data File: /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/h105241.d
 Report Date: 01-Nov-2012 13:08

TestAmerica

Data file : /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/h105241.d
 Lab Smp Id: DFTPP-1653831
 Inj Date : 01-NOV-2012 13:43
 Operator : BNA2
 Smp Info : DFTPP-1653831
 Misc Info : bna-4687
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/BNADFTPP.m
 Meth Date : 22-Oct-2012 07:07 wahied
 Cal Date :
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: hpd1

Inst ID: BNAMS9.i
 Quant Type: ESTD
 Cal File:
 QC Sample: DFTPP
 Compound Sublist: all.sub
 Sample Matrix: None

					CONCENTRATIONS				
					ON-COL	FINAL			
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE		RATIO
==	=====	=====	=====	=====	=====	=====	=====		=====
1 dftpp					CAS #:				
6.177	6.300	-0.123	198	25974			0.00- 100.00		100.00
6.177	6.300	-0.123	51	14733			30.00- 60.00		56.72
6.177	6.300	-0.123	68	183			0.00- 2.00		1.39
6.177	6.300	-0.123	69	13153			0.00- 0.00		50.64
6.177	6.300	-0.123	70	0			0.00- 2.00		0.00
6.177	6.300	-0.123	127	14834			40.00- 60.00		57.11
6.177	6.300	-0.123	197	0			0.00- 1.00		0.00
6.177	6.300	-0.123	199	1727			5.00- 9.00		6.65
6.177	6.300	-0.123	275	6456			10.00- 30.00		24.86
6.177	6.300	-0.123	365	954			1.00- 0.00		3.67
6.177	6.300	-0.123	441	3200			0.01- 100.00		81.14
6.177	6.300	-0.123	442	20816			40.00- 110.00		80.14
6.177	6.300	-0.123	443	3944			17.00- 23.00		18.95

Data File: h105241.d

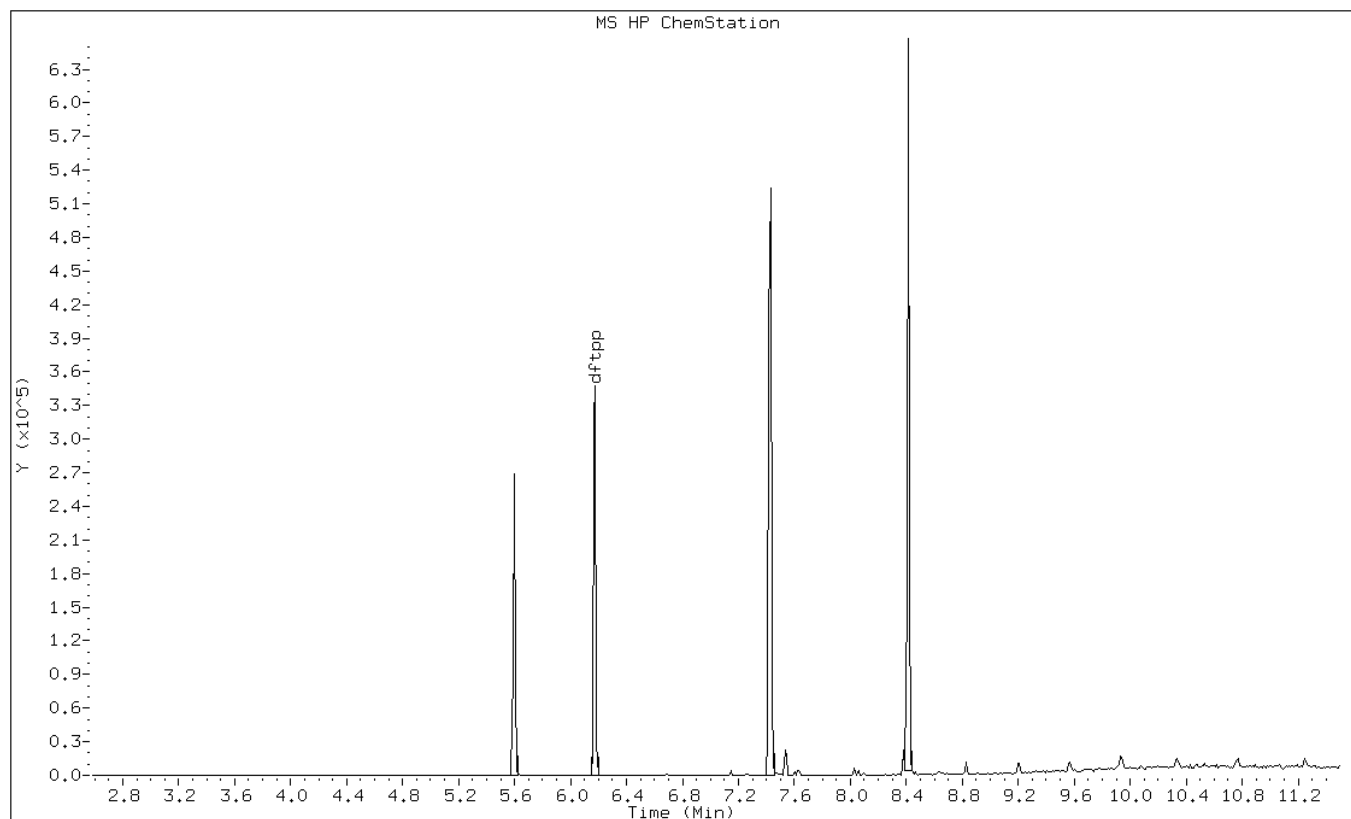
Date: 01-NOV-2012 13:43

Client ID:

Instrument: BNAMS9.i

Sample Info: DFTPP-1653831

Operator: BNA2



Data File: h105241.d

Date: 01-NOV-2012 13:43

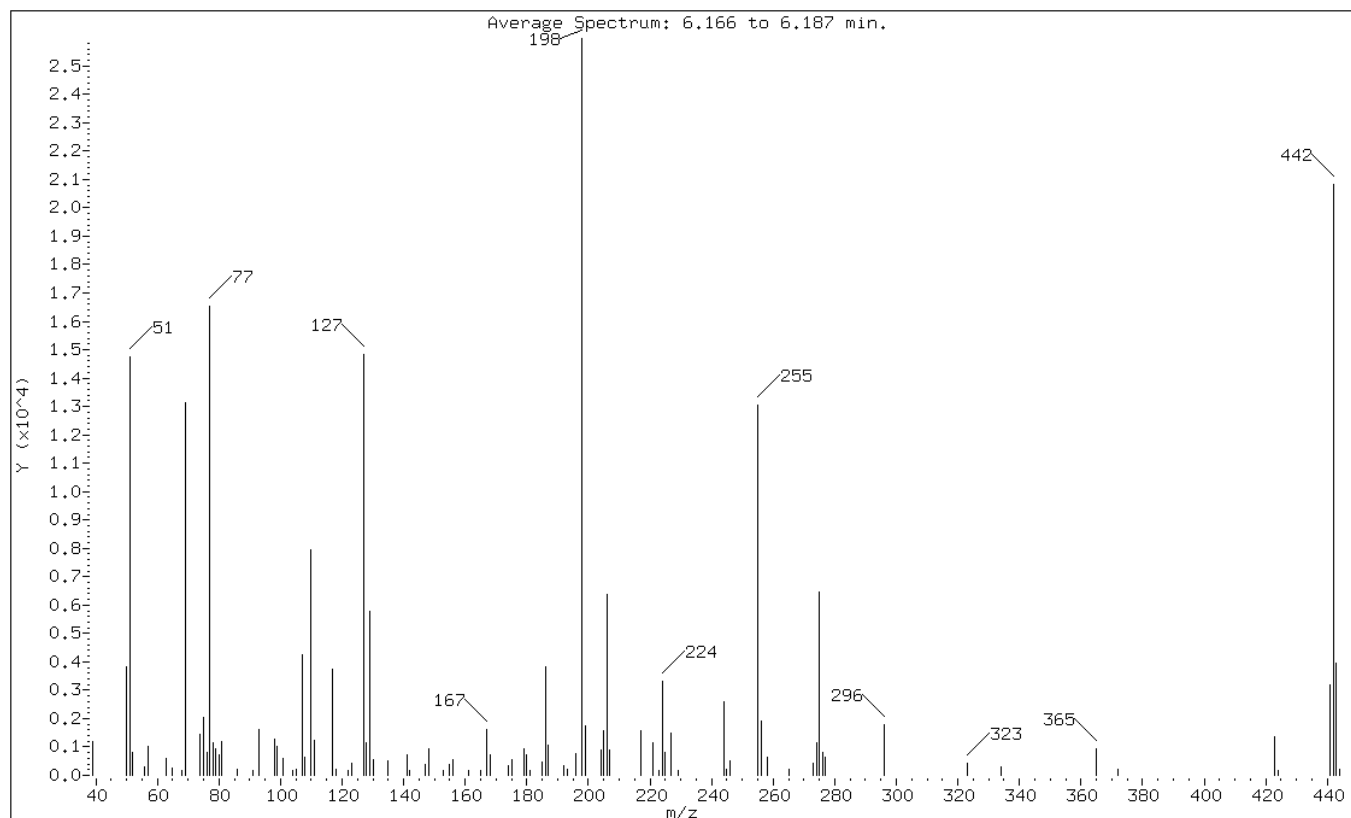
Client ID:

Instrument: BNAMS9.i

Sample Info: DFTPP-1653831

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	56.72
68	Less than 2.00% of mass 69	0.70 (1.39)
69	Mass 69 relative abundance	50.64
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	57.11
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.65
275	10.00 - 30.00% of mass 198	24.86
365	Greater than 1.00% of mass 198	3.67
441	0.01 - 100.00% of mass 443	12.32 (81.14)
442	40.00 - 110.00% of mass 198	80.14
443	17.00 - 23.00% of mass 442	15.18 (18.95)

Data File: h105241.d

Date: 01-NOV-2012 13:43

Client ID:

Instrument: BNAMS9.i

Sample Info: DFTPP-1653831

Operator: BNA2

Data File: /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/h105241.d

Spectrum: Average Spectrum: 6.166 to 6.187 min.

Location of Maximum: 198.00

Number of points: 97

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1191	105.00	217	174.00	350	245.00	203
50.00	3836	107.00	4262	175.00	572	246.00	512
51.00	14733	108.00	649	179.00	952	255.00	13045
52.00	800	110.00	7933	180.00	726	256.00	1893
56.00	277	111.00	1252	181.00	176	258.00	627
57.00	1039	117.00	3749	185.00	472	265.00	196
63.00	577	118.00	193	186.00	3817	273.00	437
65.00	240	122.00	169	187.00	1070	274.00	1156
68.00	183	123.00	411	192.00	343	275.00	6456
69.00	13153	127.00	14834	193.00	213	276.00	788
74.00	1441	128.00	1134	196.00	777	277.00	618
75.00	2020	129.00	5767	198.00	25968	296.00	1787
76.00	814	130.00	535	199.00	1727	323.00	436
77.00	16528	135.00	490	204.00	905	334.00	316
78.00	1129	141.00	743	205.00	1562	365.00	954
79.00	943	142.00	169	206.00	6382	372.00	223
80.00	718	147.00	366	207.00	890	423.00	1354
81.00	1209	148.00	916	217.00	1580	424.00	176
86.00	210	153.00	172	221.00	1158	441.00	3200
91.00	182	155.00	393	223.00	177	442.00	20816
93.00	1633	156.00	548	224.00	3310	443.00	3944
98.00	1271	161.00	174	225.00	798	444.00	211
99.00	1001	165.00	181	227.00	1486		
101.00	611	167.00	1619	229.00	187		
104.00	178	168.00	728	244.00	2578		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-133851/1-A
Matrix: Water Lab File ID: h105257.d
Analysis Method: 8270C SIM Date Collected: _____
Extract. Method: 3510C Date Extracted: 10/27/2012 19:10
Sample wt/vol: 1000 (mL) Date Analyzed: 11/01/2012 22:09
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 134292 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-55-3	Benzo[a]anthracene	0.035	U	0.050	0.035
50-32-8	Benzo[a]pyrene	0.048	U	0.050	0.048
205-99-2	Benzo[b]fluoranthene	0.030	U	0.050	0.030
87-86-5	Pentachlorophenol	0.14	U	0.20	0.14
118-74-1	Hexachlorobenzene	0.017	U	0.020	0.017

Data File: /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/h105257.d
 Report Date: 02-Nov-2012 07:51

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/h105257.d
 Lab Smp Id: MB 460-133851/1-A
 Inj Date : 01-NOV-2012 22:09
 Operator : BNAMS 4
 Smp Info : MB 460-133851/1-A
 Misc Info :
 Comment :
 Method : /chem/BNAMS9.i/SIMT/10-22-12/01nov12a.b/simpah.m
 Meth Date : 01-Nov-2012 14:04 czhao
 Cal Date : 22-OCT-2012 10:15
 Als bottle: 17
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50

Inst ID: BNAMS9.i
 Quant Type: ISTD
 Cal File: h104972.d
 QC Sample: BLANK
 Compound Sublist: all.sub

Concentration Formula: $\text{Amt} * \text{DF} * 1000 * \text{Vt} / \text{Vo} * \text{CpndVariable}$

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)
=====	=====	=====	==	=====	=====	=====	=====
* 79 1,4-Dichlorobenzene-d4	152	5.564	5.564	(1.000)	18912	1.00000	
* 80 Naphthalene-d8	136	6.863	6.864	(1.000)	75382	1.00000	
* 82 Acenaphthene-d10	164	8.598	8.589	(1.000)	36806	1.00000	
* 83 Phenanthrene-d10	188	10.050	10.050	(1.000)	55232	1.00000	
* 81 Chrysene-d12	240	12.773	12.765	(1.000)	46744	1.00000	
* 84 Perylene-d12	264	14.856	14.857	(1.000)	44544	1.00000	

Data File: h105257.d

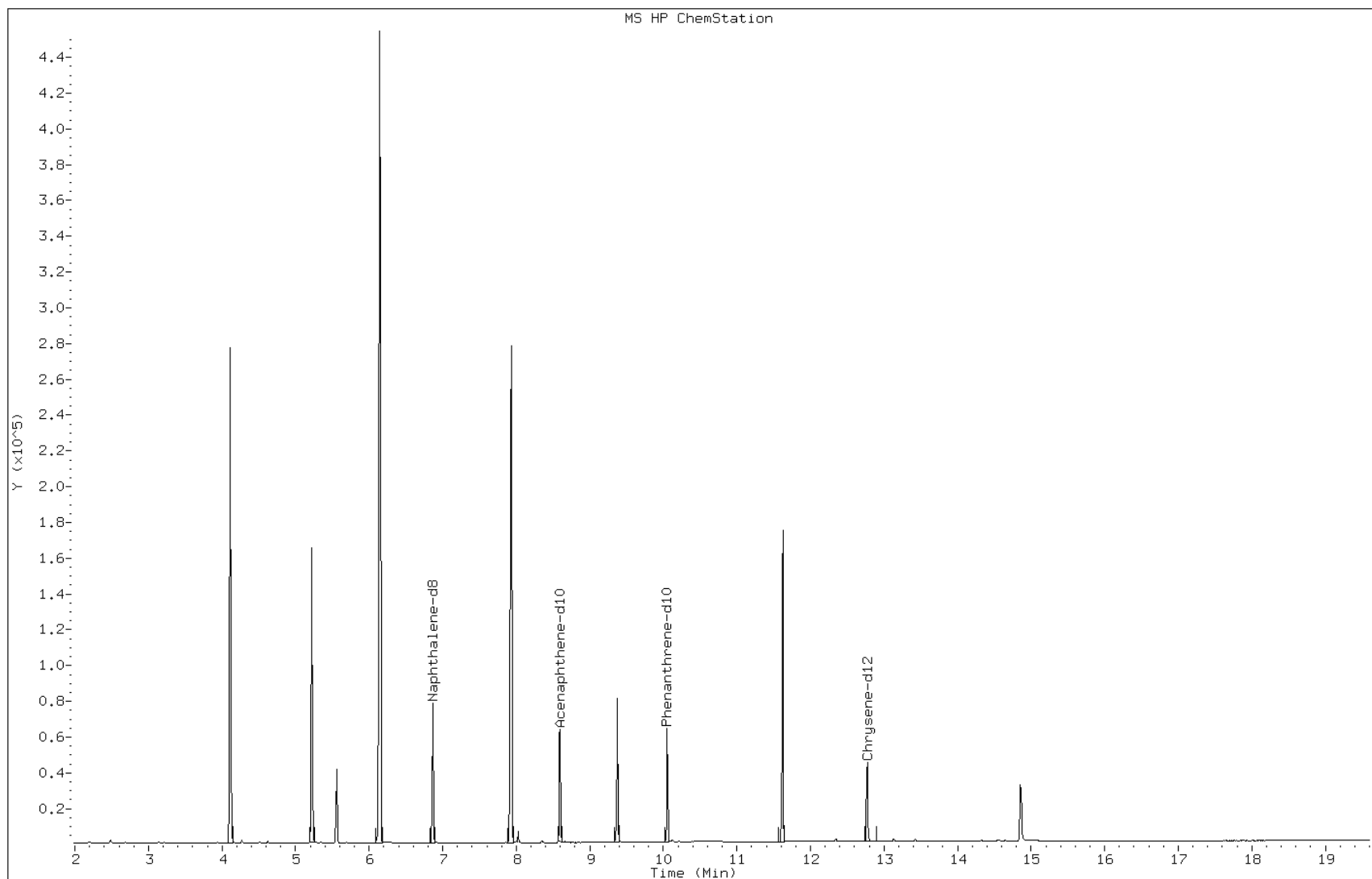
Date: 01-NOV-2012 22:09

Client ID:

Instrument: BNAMS9.i

Sample Info: MB 460-133851/1-A

Operator: BNAMS 4



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: BNAMS9 Start Date: 10/22/2012 06:48Analysis Batch Number: 133132 End Date: 10/22/2012 10:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-133132/1		10/22/2012 06:48	1	h104965.d	Rtx-5MS 0.25 (mm)
ICIS 460-133132/2		10/22/2012 07:10	1	h104966.d	Rtx-5MS 0.25 (mm)
IC 460-133132/3		10/22/2012 08:10	1	h104968.d	Rtx-5MS 0.25 (mm)
IC 460-133132/4		10/22/2012 08:40	1	h104969.d	Rtx-5MS 0.25 (mm)
IC 460-133132/5		10/22/2012 09:10	1	h104970.d	Rtx-5MS 0.25 (mm)
IC 460-133132/6		10/22/2012 09:46	1	h104971.d	Rtx-5MS 0.25 (mm)
IC 460-133132/7		10/22/2012 10:15	1	h104972.d	Rtx-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: BNAMS9 Start Date: 11/01/2012 13:43Analysis Batch Number: 134292 End Date: 11/02/2012 01:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-134292/1		11/01/2012 13:43	1	h105241.d	Rtx-5MS 0.25 (mm)
CCVIS 460-134292/2		11/01/2012 14:40	1	h105242.d	Rtx-5MS 0.25 (mm)
ZZZZZ		11/01/2012 15:10	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/01/2012 15:40	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/01/2012 16:10	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/01/2012 16:40	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/01/2012 17:10	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/01/2012 17:40	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/01/2012 18:10	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/01/2012 18:41	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/01/2012 19:11	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/01/2012 19:41	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/01/2012 20:11	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/01/2012 20:41	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/01/2012 21:10	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/01/2012 21:40	1		Rtx-5MS 0.25 (mm)
MB 460-133851/1-A		11/01/2012 22:09	1	h105257.d	Rtx-5MS 0.25 (mm)
460-46388-1	WG-17338-102212-MW30-MM-264	11/01/2012 22:39	1	h105258.d	Rtx-5MS 0.25 (mm)
460-46388-2	WG-17338-102212-MW36S-MM-265	11/01/2012 23:08	1	h105259.d	Rtx-5MS 0.25 (mm)
460-46388-3	WG-17338-102312-MW36D-MM-266	11/01/2012 23:37	1	h105260.d	Rtx-5MS 0.25 (mm)
ZZZZZ		11/02/2012 00:37	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/02/2012 01:06	1		Rtx-5MS 0.25 (mm)
ZZZZZ		11/02/2012 01:36	1		Rtx-5MS 0.25 (mm)

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAWS9.i

Analytical Batch: /chem/BNAWS9.i/SINT/10-22-12/22oct12.b

Date Generated: 10/22/2012

Page 1

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/	FW	Dil	Inj Vol	Sublist	LOT	COMMENTS
10/22/12 0648	h104965	1	DFRTP-1653831			0	0		1	2.0 all		133132
10/22/12 0710	h104966	2	ICIS-1764505			1000	2		1	1.0 all		P-0.95 B-0.673
10/22/12 0740	h104967	3	IC-1764587			1000	2		1	1.0 all		
10/22/12 0810	h104968	4	IC-1764601			1000	2		1	1.0 all		RR 5177
10/22/12 0840	h104969	5	IC-1764602			1000	2		1	1.0 all		
10/22/12 0910	h104970	6	IC-1764653			1000	2		1	1.0 all		
10/22/12 0946	h104971	7	IC-1764671			1000	2		1	1.0 all		
10/22/12 1015	h104972	8	IC-1764587			1000	2		1	1.0 all		
10/22/12 1045	h104973	9	icv	22oct12		1000	1		1	1.0 all		

Page 583 of 1398

Signed:

Read and Understood by:

Date:

Date:

11/29/2012

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: ENAMS9.i
Analytical Batch: /chem/ENAMS9.i/SINT/10-22-12/01nov12a.b

Date Generated: 11/02/2012
Page 1

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
11/01/12 1343	h105241	1	DFTPP-1653831			0	0		1	2.0	all	134292
11/01/12 1440	h105242	2	CCVIS-1764505			1000	2		1	1.0	all	P-1.248 B-0.783
11/01/12 1510	h105243	3	MB 460-133149/1-A	01nov12a		1000	2		1	1.0	all	4702 gim
11/01/12 1540	h105244	4	460-46123-R-1-A	460-133149	10/23/12	990	2		1	1.0	all	
11/01/12 1610	h105245	5	460-46123-S-2-A	460-133149	10/23/12	990	2		1	1.0	all	
11/01/12 1640	h105246	6	460-46123-Q-3-A	460-133149	10/23/12	920	2		1	1.0	all	
11/01/12 1710	h105247	7	460-46123-R-4-A	460-133149	10/23/12	960	2		1	1.0	all	
11/01/12 1740	h105248	8	460-46123-R-6-A	460-133149	10/23/12	990	2		1	1.0	all	
11/01/12 1810	h105249	9	460-46123-R-6-A	460-133149	10/23/12	990	2		1	1.0	all	
11/01/12 1841	h105250	10	460-46121-G-20-A	460-132914	10/21/12	990	2		1	1.0	all	
11/01/12 1911	h105251	11	460-46159-I-1-A	460-133149	10/23/12	990	2		1	1.0	all	
11/01/12 1941	h105252	12	460-46159-G-2-A	460-133149	10/23/12	990	2		1	1.0	all	
11/01/12 2011	h105253	13	460-46159-I-6-A	460-133149	10/23/12	990	2		1	1.0	all	
11/01/12 2041	h105254	14	460-46191-F-1-A	460-133149	10/23/12	990	2		1	1.0	all	

TESTAMERICA
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS9.i
Analytical Batch: /chem/BNAMS9.i/SIMI/10-22-12/01nov12a.b

Date Generated: 11/02/2012
Page 2

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
11/01/12	2110	h105255	15 460-46191-G-3-A	460-133149	10/23/12	990	2	1	1.0	all		✓
11/01/12	2140	h105256	16 460-46191-E-5-A	460-133149	10/23/12	990	2	1	1.0	all		✓
11/01/12	2209	h105257	17 MB 460-133851-1-A	01nov12a				1	1.0	all		✓
11/01/12	2239	h105258	18 460-46388-D-1-C	460-133851	10/27/12	960	2	1	1.0	all		✓
11/01/12	2308	h105259	19 460-46388-E-2-C	460-133851	10/27/12	970	2	1	1.0	all		✓
11/01/12	2337	h105260	20 460-46388-E-3-C	460-133851	10/27/12	960	2	1	1.0	all		✓
11/01/12	0007	h105261	21 460-46254-G-1-A	460-133354	10/24/12	940	2	1	1.0	all		RR 2X
11/02/12	0037	h105262	22 460-46254-F-2-A	460-133354	10/24/12	980	2	1	1.0	all		✓
11/02/12	0106	h105263	23 460-46254-F-3-A	460-133354	10/24/12	990	2	1	1.0	all		✓
11/02/12	0136	h105264	24 460-46254-G-4-A	460-133354	10/24/12	940	2	1	1.0	all		✓

Page 585 of 1398

Signed: CS Read and Understood by: CS
Date: 11/2/12 Date: 11-3-12

11/29/2012

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Batch Number: 133851 Batch Start Date: 10/27/12 19:09 Batch Analyst: Rana, Kalpesh VBatch Method: 3510C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	OP625/82SU 00034
MB 460-133851/1		3510C, 8270C SIM		7	1000 mL	2 mL	<2	>12	1 mL
460-46388-D-1	WG-17338-102212- MW30-MM-264	3510C, 8270C SIM	T	7	960 mL	2 mL	<2	>12	1 mL
460-46388-E-2	WG-17338-102212- MW36S-MM-265	3510C, 8270C SIM	T	7	970 mL	2 mL	<2	>12	1 mL
460-46388-E-3	WG-17338-102312- MW36D-MM-266	3510C, 8270C SIM	T	7	960 mL	2 mL	<2	>12	1 mL

Batch Notes	
Acid used for pH adjustment	H2SO4
Acid used for pH adjust Lot #	K53043
Base used for pH adjustment	NAOH
Base used for pH adjust Lot #	OP384
Batch Comment	8270 WATER
Person's name who did the concentration	KR
Final Concentrator Volume	2 mL
N-evap #	36378
N-evap temperature	35 C Celsius
Prep Solvent Lot #	20729
Prep Solvent Name	Mec12
Prep Solvent Volume Used	360 mL
Person's name who did the prep	KR
Uncorrected N-evap Temperature	35 C Celsius

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-46388-1

SDG No.: _____

Project: 17338-TO4-2012, RACER, GM Wilmington

Client Sample ID

WG-17338-102212-MW30-MM-264

WG-17338-102212-MW36S-MM-265

WG-17338-102312-MW36D-MM-266

Lab Sample ID

460-46388-1

460-46388-2

460-46388-3

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WG-17338-102212-MW30-MM-264

Lab Sample ID: 460-46388-1

Lab Name: TestAmerica Edison

Job No.: 460-46388-1

SDG ID.:

Matrix: Water

Date Sampled: 10/22/2012 10:45

Reporting Basis: WET

Date Received: 10/24/2012 19:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	7.4	10.0	7.4	ug/L	U		1	6010B
7440-38-2	Arsenic	4.9	5.0	3.7	ug/L	J		1	6010B
7440-41-7	Beryllium	0.78	2.0	0.78	ug/L	U		1	6010B
7440-43-9	Cadmium	0.82	5.0	0.82	ug/L	U		1	6010B
7440-47-3	Chromium	4.8	10.0	4.5	ug/L	J		1	6010B
7440-50-8	Copper	7.8	25.0	7.8	ug/L	U		1	6010B
7439-92-1	Lead	4.0	5.0	4.0	ug/L	U		1	6010B
7440-02-0	Nickel	5.5	40.0	5.0	ug/L	J		1	6010B
7782-49-2	Selenium	14.1	10.0	5.8	ug/L			1	6010B
7440-22-4	Silver	6.5	10.0	1.3	ug/L	J		1	6010B
7440-28-0	Thallium	15.7	30.0	15.7	ug/L	U		3	6010B
7440-66-6	Zinc	15.9	30.0	5.8	ug/L	J		1	6010B
7440-23-5	Sodium	93700	5000	821	ug/L			1	6010B
7440-09-7	Potassium	3430	5000	525	ug/L	J		1	6010B
7440-39-3	Barium	395	200	5.9	ug/L			1	6010B
7440-70-2	Calcium	44500	5000	305	ug/L			1	6010B
7439-89-6	Iron	9420	150	73.6	ug/L			1	6010B
7440-62-2	Vanadium	6.9	50.0	4.0	ug/L	J		1	6010B
7439-95-4	Magnesium	20700	5000	321	ug/L			1	6010B
7429-90-5	Aluminum	4070	600	216	ug/L			3	6010B
7439-96-5	Manganese	27600	45.0	12.9	ug/L			3	6010B
7440-48-4	Cobalt	107	50.0	4.3	ug/L			1	6010B
7439-97-6	Mercury	0.16	0.20	0.16	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: WG-17338-102212-MW30-MM-264

Lab Sample ID: 460-46388-1

Lab Name: TestAmerica Edison

Job No.: 460-46388-1

SDG ID.:

Matrix: Water

Date Sampled: 10/22/2012 10:45

Reporting Basis: WET

Date Received: 10/24/2012 19:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	7.4	10.0	7.4	ug/L	U		1	6010B
7440-38-2	Arsenic	3.7	5.0	3.7	ug/L	U		1	6010B
7440-41-7	Beryllium	0.78	2.0	0.78	ug/L	U		1	6010B
7440-43-9	Cadmium	0.82	5.0	0.82	ug/L	U		1	6010B
7440-47-3	Chromium	4.5	10.0	4.5	ug/L	U		1	6010B
7440-50-8	Copper	7.8	25.0	7.8	ug/L	U		1	6010B
7439-92-1	Lead	4.0	5.0	4.0	ug/L	U		1	6010B
7440-02-0	Nickel	5.0	40.0	5.0	ug/L	U		1	6010B
7782-49-2	Selenium	17.3	30.0	17.3	ug/L	U		3	6010B
7440-22-4	Silver	6.0	10.0	1.3	ug/L	J		1	6010B
7440-28-0	Thallium	15.7	30.0	15.7	ug/L	U		3	6010B
7440-66-6	Zinc	5.8	30.0	5.8	ug/L	U		1	6010B
7440-23-5	Sodium	99400	5000	821	ug/L			1	6010B
7440-09-7	Potassium	3540	5000	525	ug/L	J		1	6010B
7440-39-3	Barium	411	200	5.9	ug/L			1	6010B
7440-70-2	Calcium	50700	5000	305	ug/L			1	6010B
7439-89-6	Iron	73.6	150	73.6	ug/L	U		1	6010B
7440-62-2	Vanadium	4.0	50.0	4.0	ug/L	U		1	6010B
7439-95-4	Magnesium	22400	5000	321	ug/L			1	6010B
7429-90-5	Aluminum	72.1	200	72.1	ug/L	U		1	6010B
7439-96-5	Manganese	28400	45.0	12.9	ug/L			3	6010B
7440-48-4	Cobalt	90.5	50.0	4.3	ug/L			1	6010B
7439-97-6	Mercury	0.16	0.20	0.16	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WG-17338-102212-MW36S-MM-265

Lab Sample ID: 460-46388-2

Lab Name: TestAmerica Edison

Job No.: 460-46388-1

SDG ID.:

Matrix: Water

Date Sampled: 10/22/2012 12:15

Reporting Basis: WET

Date Received: 10/24/2012 19:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	7.4	10.0	7.4	ug/L	U		1	6010B
7440-38-2	Arsenic	4.4	5.0	3.7	ug/L	J		1	6010B
7440-41-7	Beryllium	0.78	2.0	0.78	ug/L	U		1	6010B
7440-43-9	Cadmium	0.82	5.0	0.82	ug/L	U		1	6010B
7440-47-3	Chromium	4.5	10.0	4.5	ug/L	U		1	6010B
7440-50-8	Copper	7.8	25.0	7.8	ug/L	U		1	6010B
7439-92-1	Lead	4.0	5.0	4.0	ug/L	U		1	6010B
7440-02-0	Nickel	5.0	40.0	5.0	ug/L	U		1	6010B
7782-49-2	Selenium	6.4	10.0	5.8	ug/L	J		1	6010B
7440-22-4	Silver	7.0	10.0	1.3	ug/L	J		1	6010B
7440-28-0	Thallium	27.4	30.0	15.7	ug/L	J		3	6010B
7440-66-6	Zinc	5.8	30.0	5.8	ug/L	U		1	6010B
7440-23-5	Sodium	43900	5000	821	ug/L			1	6010B
7440-09-7	Potassium	2460	5000	525	ug/L	J		1	6010B
7440-39-3	Barium	278	200	5.9	ug/L			1	6010B
7440-70-2	Calcium	24500	5000	305	ug/L			1	6010B
7439-89-6	Iron	66200	150	73.6	ug/L			1	6010B
7440-62-2	Vanadium	7.3	50.0	4.0	ug/L	J		1	6010B
7439-95-4	Magnesium	16600	5000	321	ug/L			1	6010B
7429-90-5	Aluminum	3140	200	72.1	ug/L			1	6010B
7439-96-5	Manganese	29300	45.0	12.9	ug/L			3	6010B
7440-48-4	Cobalt	139	50.0	4.3	ug/L			1	6010B
7439-97-6	Mercury	0.16	0.20	0.16	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: WG-17338-102212-MW36S-MM-265

Lab Sample ID: 460-46388-2

Lab Name: TestAmerica Edison

Job No.: 460-46388-1

SDG ID.:

Matrix: Water

Date Sampled: 10/22/2012 12:15

Reporting Basis: WET

Date Received: 10/24/2012 19:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	7.4	10.0	7.4	ug/L	U		1	6010B
7440-38-2	Arsenic	3.7	5.0	3.7	ug/L	U		1	6010B
7440-41-7	Beryllium	0.78	2.0	0.78	ug/L	U		1	6010B
7440-43-9	Cadmium	0.82	5.0	0.82	ug/L	U		1	6010B
7440-47-3	Chromium	4.5	10.0	4.5	ug/L	U		1	6010B
7440-50-8	Copper	7.8	25.0	7.8	ug/L	U		1	6010B
7439-92-1	Lead	4.0	5.0	4.0	ug/L	U		1	6010B
7440-02-0	Nickel	5.0	40.0	5.0	ug/L	U		1	6010B
7782-49-2	Selenium	17.3	30.0	17.3	ug/L	U		3	6010B
7440-22-4	Silver	6.6	10.0	1.3	ug/L	J		1	6010B
7440-28-0	Thallium	15.7	30.0	15.7	ug/L	U		3	6010B
7440-66-6	Zinc	5.8	30.0	5.8	ug/L	U		1	6010B
7440-23-5	Sodium	42400	5000	821	ug/L			1	6010B
7440-09-7	Potassium	2500	5000	525	ug/L	J		1	6010B
7440-39-3	Barium	227	200	5.9	ug/L			1	6010B
7440-70-2	Calcium	23500	5000	305	ug/L			1	6010B
7439-89-6	Iron	2390	150	73.6	ug/L			1	6010B
7440-62-2	Vanadium	4.0	50.0	4.0	ug/L	U		1	6010B
7439-95-4	Magnesium	16000	5000	321	ug/L			1	6010B
7429-90-5	Aluminum	72.1	200	72.1	ug/L	U		1	6010B
7439-96-5	Manganese	29100	45.0	12.9	ug/L			3	6010B
7440-48-4	Cobalt	124	50.0	4.3	ug/L			1	6010B
7439-97-6	Mercury	0.16	0.20	0.16	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WG-17338-102312-MW36D-MM-266

Lab Sample ID: 460-46388-3

Lab Name: TestAmerica Edison

Job No.: 460-46388-1

SDG ID.:

Matrix: Water

Date Sampled: 10/23/2012 13:00

Reporting Basis: WET

Date Received: 10/24/2012 19:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	7.4	10.0	7.4	ug/L	U		1	6010B
7440-38-2	Arsenic	3.7	5.0	3.7	ug/L	U		1	6010B
7440-41-7	Beryllium	0.78	2.0	0.78	ug/L	U		1	6010B
7440-43-9	Cadmium	0.82	5.0	0.82	ug/L	U		1	6010B
7440-47-3	Chromium	4.5	10.0	4.5	ug/L	U		1	6010B
7440-50-8	Copper	7.8	25.0	7.8	ug/L	U		1	6010B
7439-92-1	Lead	4.0	5.0	4.0	ug/L	U		1	6010B
7440-02-0	Nickel	6.0	40.0	5.0	ug/L	J		1	6010B
7782-49-2	Selenium	5.8	10.0	5.8	ug/L	U		1	6010B
7440-22-4	Silver	1.3	10.0	1.3	ug/L	U		1	6010B
7440-28-0	Thallium	5.2	10.0	5.2	ug/L	U		1	6010B
7440-66-6	Zinc	9.4	30.0	5.8	ug/L	J		1	6010B
7440-23-5	Sodium	21700	5000	821	ug/L			1	6010B
7440-09-7	Potassium	2020	5000	525	ug/L	J		1	6010B
7440-39-3	Barium	259	200	5.9	ug/L			1	6010B
7440-70-2	Calcium	18700	5000	305	ug/L			1	6010B
7439-89-6	Iron	1590	150	73.6	ug/L			1	6010B
7440-62-2	Vanadium	4.0	50.0	4.0	ug/L	U		1	6010B
7439-95-4	Magnesium	6660	5000	321	ug/L			1	6010B
7429-90-5	Aluminum	274	200	72.1	ug/L			1	6010B
7439-96-5	Manganese	2120	15.0	4.3	ug/L			1	6010B
7440-48-4	Cobalt	22.1	50.0	4.3	ug/L	J		1	6010B
7439-97-6	Mercury	0.16	0.20	0.16	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: WG-17338-102312-MW36D-MM-266

Lab Sample ID: 460-46388-3

Lab Name: TestAmerica Edison

Job No.: 460-46388-1

SDG ID.:

Matrix: Water

Date Sampled: 10/23/2012 13:00

Reporting Basis: WET

Date Received: 10/24/2012 19:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	7.4	10.0	7.4	ug/L	U		1	6010B
7440-38-2	Arsenic	3.7	5.0	3.7	ug/L	U		1	6010B
7440-41-7	Beryllium	0.78	2.0	0.78	ug/L	U		1	6010B
7440-43-9	Cadmium	0.82	5.0	0.82	ug/L	U		1	6010B
7440-47-3	Chromium	4.5	10.0	4.5	ug/L	U		1	6010B
7440-50-8	Copper	7.8	25.0	7.8	ug/L	U		1	6010B
7439-92-1	Lead	4.0	5.0	4.0	ug/L	U		1	6010B
7440-02-0	Nickel	6.0	40.0	5.0	ug/L	J		1	6010B
7782-49-2	Selenium	6.5	10.0	5.8	ug/L	J		1	6010B
7440-22-4	Silver	1.3	10.0	1.3	ug/L	U		1	6010B
7440-28-0	Thallium	5.2	10.0	5.2	ug/L	U		1	6010B
7440-66-6	Zinc	9.4	30.0	5.8	ug/L	J		1	6010B
7440-23-5	Sodium	21300	5000	821	ug/L			1	6010B
7440-09-7	Potassium	2080	5000	525	ug/L	J		1	6010B
7440-39-3	Barium	256	200	5.9	ug/L			1	6010B
7440-70-2	Calcium	18500	5000	305	ug/L			1	6010B
7439-89-6	Iron	1200	150	73.6	ug/L			1	6010B
7440-62-2	Vanadium	4.0	50.0	4.0	ug/L	U		1	6010B
7439-95-4	Magnesium	6590	5000	321	ug/L			1	6010B
7429-90-5	Aluminum	72.1	200	72.1	ug/L	U		1	6010B
7439-96-5	Manganese	2080	15.0	4.3	ug/L			1	6010B
7440-48-4	Cobalt	21.4	50.0	4.3	ug/L	J		1	6010B
7439-97-6	Mercury	0.16	0.20	0.16	ug/L	U		1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00064 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00064

Analyte	ICV 460-137326/7 11/28/2012 14:55				CCV 460-137326/19 11/28/2012 15:38				CCV 460-137326/31 11/28/2012 16:22			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	121000		125000	97	121400		125000	97	121200		125000	97
Antimony	965.3		1000	97	965.7		1000	97	961.8		1000	96
Arsenic	2415		2500	97	2452		2500	98	2420		2500	97
Barium	9730		10000	97	9942		10000	99	9824		10000	98
Beryllium	961.1		1000	96	952.6		1000	95	956.3		1000	96
Cadmium	1220		1250	98	1245		1250	100	1229		1250	98
Calcium	123800		125000	99	125300		125000	100	125600		125000	100
Chromium	4881		5000	98	4829		5000	97	4793		5000	96
Cobalt	2430		2500	97	2448		2500	98	2426		2500	97
Copper	12200		12500	98	12270		12500	98	12160		12500	97
Iron	97530		100000	98	97050		100000	97	96130		100000	96
Lead	7404		7500	99	7541		7500	101	7460		7500	99
Magnesium	120300		125000	96	117800		125000	94	117200		125000	94
Manganese	4871		5000	97	4799		5000	96	4788		5000	96
Nickel	2443		2500	98	2456		2500	98	2433		2500	97
Potassium	47830		50000	96	47690		50000	95	47890		50000	96
Selenium	2390		2500	96	2403		2500	96	2384		2500	95
Silver	1197		1250	96	1199		1250	96	1190		1250	95
Sodium	121200		125000	97	123300		125000	99	123200		125000	99
Thallium	2460		2500	98	2485		2500	99	2460		2500	98
Vanadium	2412		2500	96	2403		2500	96	2386		2500	95
Zinc	2417		2500	97	2461		2500	98	2433		2500	97

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00064 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00064

Analyte	CCV 460-137326/37 11/28/2012 16:44											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	120200		125000	96								
Antimony	962.4		1000	96								
Arsenic	2410		2500	96								
Barium	9752		10000	98								
Beryllium	953.5		1000	95								
Cadmium	1224		1250	98								
Calcium	124200		125000	99								
Chromium	4813		5000	96								
Cobalt	2421		2500	97								
Copper	12120		12500	97								
Iron	96550		100000	97								
Lead	7422		7500	99								
Magnesium	118200		125000	95								
Manganese	4811		5000	96								
Nickel	2433		2500	97								
Potassium	47660		50000	95								
Selenium	2389		2500	96								
Silver	1189		1250	95								
Sodium	121800		125000	97								
Thallium	2459		2500	98								
Vanadium	2386		2500	95								
Zinc	2426		2500	97								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00061 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00061

Analyte	ICV 460-133827/7 10/27/2012 11:21				CCV 460-133827/19 10/27/2012 12:06				CCV 460-133827/31 10/27/2012 12:51			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	123900		125000	99	124100		125000	99	124100		125000	99
Antimony	987.3		1000	99	994.8		1000	99	1007		1000	101
Arsenic	2466		2500	99	2479		2500	99	2495		2500	100
Barium	10120		10000	101	10150		10000	102	10190		10000	102
Beryllium	999.1		1000	100	998.6		1000	100	998.7		1000	100
Cadmium	1263		1250	101	1262		1250	101	1269		1250	102
Calcium	128800		125000	103	128600		125000	103	128600		125000	103
Chromium	5050		5000	101	4979		5000	100	5014		5000	100
Cobalt	2523		2500	101	2522		2500	101	2537		2500	101
Copper	12380		12500	99	12400		12500	99	12410		12500	99
Iron	101300		100000	101	99910		100000	100	100500		100000	101
Lead	7673		7500	102	7647		7500	102	7692		7500	103
Magnesium	125800		125000	101	124500		125000	100	125000		125000	100
Manganese	5107		5000	102	5053		5000	101	5083		5000	102
Nickel	2535		2500	101	2545		2500	102	2558		2500	102
Potassium	49710		50000	99	49990		50000	100	50000		50000	100
Selenium	2452		2500	98	2463		2500	99	2475		2500	99
Silver	1223		1250	98	1214		1250	97	1218		1250	97
Sodium	125800		125000	101	125600		125000	100	125700		125000	101
Thallium	2546		2500	102	2542		2500	102	2556		2500	102
Vanadium	2499		2500	100	2494		2500	100	2504		2500	100
Zinc	2510		2500	100	2497		2500	100	2511		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.: 460-46388-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00061 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00061

Analyte	CCV 460-133827/43 10/27/2012 13:36				CCV 460-133827/47 10/27/2012 13:50							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	123000		125000	98	122600		125000	98				
Antimony	986.5		1000	99	984.5		1000	98				
Arsenic	2461		2500	98	2451		2500	98				
Barium	10080		10000	101	10080		10000	101				
Beryllium	988.3		1000	99	988.6		1000	99				
Cadmium	1254		1250	100	1255		1250	100				
Calcium	127600		125000	102	127200		125000	102				
Chromium	4977		5000	100	5001		5000	100				
Cobalt	2511		2500	100	2506		2500	100				
Copper	12300		12500	98	12230		12500	98				
Iron	99480		100000	99	99890		100000	100				
Lead	7591		7500	101	7604		7500	101				
Magnesium	123800		125000	99	124600		125000	100				
Manganese	5037		5000	101	5054		5000	101				
Nickel	2535		2500	101	2537		2500	101				
Potassium	49560		50000	99	49490		50000	99				
Selenium	2438		2500	98	2410		2500	96				
Silver	1206		1250	96	1211		1250	97				
Sodium	124800		125000	100	124700		125000	100				
Thallium	2512		2500	100	2515		2500	101				
Vanadium	2483		2500	99	2491		2500	100				
Zinc	2486		2500	99	2504		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.: 460-46388-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00061 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00061

Analyte	ICV 460-134290/7 11/02/2012 11:57				CCV 460-134290/43 11/02/2012 14:08				CCV 460-134290/55 11/02/2012 14:52			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	123000		125000	98	122700		125000	98	122300		125000	98
Antimony	985.5		1000	99	983.8		1000	98	984.0		1000	98
Arsenic	2466		2500	99	2457		2500	98	2452		2500	98
Barium	10030		10000	100	9999		10000	100	10000		10000	100
Beryllium	988.3		1000	99	978.1		1000	98	974.4		1000	97
Cadmium	1251		1250	100	1237		1250	99	1242		1250	99
Calcium	126500		125000	101	125600		125000	100	125400		125000	100
Chromium	4986		5000	100	4964		5000	99	4955		5000	99
Cobalt	2499		2500	100	2486		2500	99	2490		2500	100
Copper	12340		12500	99	12240		12500	98	12240		12500	98
Iron	99750		100000	100	98680		100000	99	98780		100000	99
Lead	7629		7500	102	7553		7500	101	7574		7500	101
Magnesium	123600		125000	99	122800		125000	98	122600		125000	98
Manganese	5052		5000	101	5009		5000	100	5010		5000	100
Nickel	2515		2500	101	2511		2500	100	2507		2500	100
Potassium	49360		50000	99	49430		50000	99	49460		50000	99
Selenium	2456		2500	98	2448		2500	98	2449		2500	98
Silver	1228		1250	98	1227		1250	98	1224		1250	98
Sodium	123900		125000	99	123800		125000	99	123900		125000	99
Thallium	2535		2500	101	2534		2500	101	2526		2500	101
Vanadium	2477		2500	99	2467		2500	99	2460		2500	98
Zinc	2475		2500	99	2443		2500	98	2448		2500	98

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.: 460-46388-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00061 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00061

Analyte	CCV 460-134290/67 11/02/2012 15:36				CCV 460-134290/79 11/02/2012 16:20				CCV 460-134290/88 11/02/2012 16:54			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	122700		125000	98	123900		125000	99	122800		125000	98
Antimony	990.6		1000	99	1005		1000	101	985.9		1000	99
Arsenic	2445		2500	98	2476		2500	99	2458		2500	98
Barium	10000		10000	100	10120		10000	101	10060		10000	101
Beryllium	973.4		1000	97	981.9		1000	98	972.6		1000	97
Cadmium	1237		1250	99	1256		1250	100	1252		1250	100
Calcium	125600		125000	100	127000		125000	102	126000		125000	101
Chromium	4967		5000	99	4999		5000	100	4981		5000	100
Cobalt	2488		2500	100	2522		2500	101	2503		2500	100
Copper	12230		12500	98	12350		12500	99	12250		12500	98
Iron	98740		100000	99	99710		100000	100	99230		100000	99
Lead	7557		7500	101	7668		7500	102	7623		7500	102
Magnesium	122900		125000	98	123900		125000	99	123300		125000	99
Manganese	5011		5000	100	5055		5000	101	5031		5000	101
Nickel	2505		2500	100	2536		2500	101	2512		2500	100
Potassium	49620		50000	99	50140		50000	100	49870		50000	100
Selenium	2446		2500	98	2469		2500	99	2448		2500	98
Silver	1224		1250	98	1235		1250	99	1229		1250	98
Sodium	124400		125000	100	125700		125000	101	125400		125000	100
Thallium	2522		2500	101	2540		2500	102	2517		2500	101
Vanadium	2466		2500	99	2485		2500	99	2472		2500	99
Zinc	2440		2500	98	2476		2500	99	2458		2500	98

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.: 460-46388-1

SDG No.: _____

ICV Source: ME_CCv_DUO_00064 Concentration Units: ug/L

CCV Source: ME_CCv_DUO_00064

Analyte	ICV 460-137149/7 11/27/2012 12:28				CCV 460-137149/31 11/27/2012 13:57				CCV 460-137149/43 11/27/2012 14:41			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Manganese	5061		5000	101	5042		5000	101	5068		5000	101
Selenium	2467		2500	99	2523		2500	101	2490		2500	100
Thallium	2542		2500	102	2544		2500	102	2543		2500	102
<i>Aluminum</i>	124600		125000	100	124400		125000	100	124800		125000	100
<i>Antimony</i>	991.1		1000	99	1010		1000	101	998.3		1000	100
<i>Arsenic</i>	2472		2500	99	2510		2500	100	2478		2500	99
<i>Barium</i>	10080		10000	101	10170		10000	102	10160		10000	102
<i>Beryllium</i>	993.3		1000	99	989.7		1000	99	987.3		1000	99
<i>Cadmium</i>	1262		1250	101	1270		1250	102	1271		1250	102
<i>Chromium</i>	5003		5000	100	4929		5000	99	4967		5000	99
<i>Cobalt</i>	2510		2500	100	2532		2500	101	2527		2500	101
<i>Copper</i>	12500		12500	100	12530		12500	100	12510		12500	100
<i>Iron</i>	100400		100000	100	99660		100000	100	100300		100000	100
<i>Lead</i>	7669		7500	102	7688		7500	103	7732		7500	103
<i>Magnesium</i>	124300		125000	99	121600		125000	97	123200		125000	99
<i>Nickel</i>	2523		2500	101	2538		2500	102	2540		2500	102
<i>Potassium</i>	49870		50000	100	50230		50000	100	50280		50000	101
<i>Silver</i>	1230		1250	98	1227		1250	98	1231		1250	98
<i>Sodium</i>	128000		125000	102	127800		125000	102	128700		125000	103
<i>Vanadium</i>	2482		2500	99	2477		2500	99	2486		2500	99
<i>Zinc</i>	2498		2500	100	2482		2500	99	2505		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.: 460-46388-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00669 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00669

Analyte	ICV 460-133766/7-A 10/26/2012 20:02				CCV 460-133766/8-A 10/26/2012 20:25				CCV 460-133766/8-A 10/26/2012 20:50			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.13		5.00	103	5.13		5.00	103	5.15		5.00	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00669 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00669

Analyte	CCV 460-133766/8-A 10/26/2012 21:08				CCV 460-133766/8-A 10/26/2012 21:30				CCV 460-133766/8-A 10/26/2012 21:49			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.14		5.00	103	5.09		5.00	102	5.14		5.00	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

ICV Source: ME_DQCS-INT_00669 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_00669

Analyte	CCV 460-133766/8-A 10/26/2012 22:09											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.12		5.00	102								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Concentration Units: ug/L

Analyte	RL	ICB 460-137326/8 11/28/2012 14:58		CCB 460-137326/20 11/28/2012 15:42		CCB 460-137326/32 11/28/2012 16:25		CCB 460-137326/38 11/28/2012 16:47	
		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.: 460-46388-1
SDG No.: _____
Concentration Units: ug/L

Analyte	RL	ICB 460-133827/8 10/27/2012 11:24		CCB 460-133827/20 10/27/2012 12:09		CCB 460-133827/32 10/27/2012 12:55		CCB 460-133827/44 10/27/2012 13:39	
		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	7.79	J	6.06	J
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.: 460-46388-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 460-133827/48 10/27/2012 13:54							
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	72.1	U						
Antimony	10.0	7.4	U						
Arsenic	5.0	3.7	U						
Barium	200	5.9	U						
Beryllium	2.0	0.78	U						
Cadmium	5.0	0.82	U						
Calcium	5000	305	U						
Chromium	10.0	4.5	U						
Cobalt	50.0	4.3	U						
Copper	25.0	7.8	U						
Iron	150	73.6	U						
Lead	5.0	4.0	U						
Magnesium	5000	321	U						
Manganese	15.0	4.3	U						
Nickel	40.0	5.0	U						
Potassium	5000	525	U						
Selenium	10.0	5.91	J						
Silver	10.0	1.3	U						
Sodium	5000	821	U						
Thallium	10.0	5.2	U						
Vanadium	50.0	4.0	U						
Zinc	30.0	5.8	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Concentration Units: ug/L

Analyte	RL	ICB 460-134290/8 11/02/2012 12:00		CCB 460-134290/44 11/02/2012 14:12		CCB 460-134290/56 11/02/2012 14:56		CCB 460-134290/68 11/02/2012 15:40	
		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.: 460-46388-1
 SDG No.: _____
 Concentration Units: ug/L

Analyte	RL	CCB 460-134290/80 11/02/2012 16:24		CCB 460-134290/89 11/02/2012 16:57					
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	72.1	U	72.1	U				
Antimony	10.0	7.4	U	7.4	U				
Arsenic	5.0	3.7	U	3.7	U				
Barium	200	5.9	U	5.9	U				
Beryllium	2.0	0.78	U	0.78	U				
Cadmium	5.0	0.82	U	0.82	U				
Calcium	5000	305	U	305	U				
Chromium	10.0	4.5	U	4.5	U				
Cobalt	50.0	4.3	U	4.3	U				
Copper	25.0	7.8	U	7.8	U				
Iron	150	73.6	U	73.6	U				
Lead	5.0	4.0	U	4.0	U				
Magnesium	5000	321	U	321	U				
Manganese	15.0	4.3	U	4.3	U				
Nickel	40.0	5.0	U	5.0	U				
Potassium	5000	525	U	525	U				
Selenium	10.0	5.8	U	5.8	U				
Silver	10.0	1.3	U	1.3	U				
Sodium	5000	821	U	821	U				
Thallium	10.0	5.2	U	5.2	U				
Vanadium	50.0	4.0	U	4.0	U				
Zinc	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.: 460-46388-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-137149/8 11/27/2012 12:31		CCB 460-137149/32 11/27/2012 14:01		CCB 460-137149/44 11/27/2012 14:45			
		Found	C	Found	C	Found	C	Found	C
Manganese	15.0	4.3	U	4.3	U	4.3	U		
Selenium	10.0	5.8	U	5.8	U	5.8	U		
Thallium	10.0	5.55	J	5.73	J	5.2	U		
<i>Aluminum</i>	200	72.1	U	72.1	U	72.1	U		
<i>Antimony</i>	10.0	7.4	U	7.4	U	7.4	U		
<i>Arsenic</i>	5.0	3.7	U	3.7	U	3.7	U		
<i>Barium</i>	200	5.9	U	5.9	U	5.9	U		
<i>Beryllium</i>	2.0	0.78	U	0.78	U	0.78	U		
<i>Cadmium</i>	5.0	0.82	U	0.82	U	0.82	U		
<i>Chromium</i>	10.0	4.5	U	4.5	U	4.5	U		
<i>Cobalt</i>	50.0	4.3	U	4.3	U	4.3	U		
<i>Copper</i>	25.0	7.8	U	7.8	U	7.8	U		
<i>Iron</i>	150	73.6	U	73.6	U	73.6	U		
<i>Lead</i>	5.0	4.0	U	4.0	U	4.0	U		
<i>Magnesium</i>	5000	321	U	321	U	321	U		
<i>Nickel</i>	40.0	5.0	U	5.0	U	5.0	U		
<i>Potassium</i>	5000	525	U	525	U	525	U		
<i>Silver</i>	10.0	1.3	U	1.3	U	1.3	U		
<i>Sodium</i>	5000	821	U	821	U	821	U		
<i>Vanadium</i>	50.0	4.0	U	4.0	U	4.0	U		
<i>Zinc</i>	30.0	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.: 460-46388-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-133790/8 10/26/2012 20:05		CCB 460-133766/9-A 10/26/2012 20:27		CCB 460-133766/9-A 10/26/2012 20:53		CCB 460-133766/9-A 10/26/2012 21:10	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.16	U	0.16	U	0.16	U	0.16	U

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 460-133766/9-A 10/26/2012 21:31		CCB 460-133766/9-A 10/26/2012 21:50		CCB 460-133766/9-A 10/26/2012 22:11			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.16	U	0.16	U	0.16	U		

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Concentration Units: ug/L Lab Sample ID: MB 460-133764/1-A
 Instrument Code: ICP5 Batch No.: 133827

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	7.4	U		6010B
7440-41-7	Beryllium	0.78	U		6010B
7440-43-9	Cadmium	0.82	U		6010B
7440-47-3	Chromium	4.5	U		6010B
7440-50-8	Copper	7.8	U		6010B
7439-92-1	Lead	4.0	U		6010B
7440-02-0	Nickel	5.0	U		6010B
7782-49-2	Selenium	5.8	U		6010B
7440-22-4	Silver	1.3	U		6010B
7440-28-0	Thallium	5.2	U		6010B
7440-66-6	Zinc	5.8	U		6010B
7440-23-5	Sodium	821	U		6010B
7440-09-7	Potassium	525	U		6010B
7440-39-3	Barium	5.9	U		6010B
7440-70-2	Calcium	305	U		6010B
7439-89-6	Iron	73.6	U		6010B
7440-62-2	Vanadium	4.0	U		6010B
7439-95-4	Magnesium	321	U		6010B
7429-90-5	Aluminum	72.1	U		6010B
7439-96-5	Manganese	4.3	U		6010B
7440-48-4	Cobalt	4.3	U		6010B

3-IN
METHOD BLANK
METALS - DISSOLVED

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Concentration Units: ug/L Lab Sample ID: MB 460-134200/1-C
 Instrument Code: ICP5 Batch No.: 134290

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	7.4	U		6010B
7440-38-2	Arsenic	3.7	U		6010B
7440-41-7	Beryllium	0.78	U		6010B
7440-43-9	Cadmium	0.82	U		6010B
7440-47-3	Chromium	4.5	U		6010B
7440-50-8	Copper	7.8	U		6010B
7439-92-1	Lead	4.0	U		6010B
7440-02-0	Nickel	5.0	U		6010B
7782-49-2	Selenium	5.8	U		6010B
7440-22-4	Silver	1.3	U		6010B
7440-28-0	Thallium	5.2	U		6010B
7440-66-6	Zinc	5.8	U		6010B
7440-23-5	Sodium	821	U		6010B
7440-09-7	Potassium	525	U		6010B
7440-39-3	Barium	5.9	U		6010B
7440-70-2	Calcium	305	U		6010B
7439-89-6	Iron	73.6	U		6010B
7440-62-2	Vanadium	4.0	U		6010B
7439-95-4	Magnesium	321	U		6010B
7429-90-5	Aluminum	72.1	U		6010B
7439-96-5	Manganese	4.3	U		6010B
7440-48-4	Cobalt	4.3	U		6010B

3-IN
METHOD BLANK
METALS - DISSOLVED

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Concentration Units: ug/L Lab Sample ID: MB 460-134200/1-B
 Instrument Code: ICP5 Batch No.: 134290

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	7.4	U		6010B
7440-38-2	Arsenic	3.7	U		6010B
7440-41-7	Beryllium	0.78	U		6010B
7440-43-9	Cadmium	0.82	U		6010B
7440-47-3	Chromium	5.30	J		6010B
7440-50-8	Copper	7.8	U		6010B
7439-92-1	Lead	4.0	U		6010B
7440-02-0	Nickel	5.0	U		6010B
7782-49-2	Selenium	5.8	U		6010B
7440-22-4	Silver	1.3	U		6010B
7440-28-0	Thallium	5.2	U		6010B
7440-66-6	Zinc	5.8	U		6010B
7440-23-5	Sodium	821	U		6010B
7440-09-7	Potassium	525	U		6010B
7440-39-3	Barium	5.9	U		6010B
7440-70-2	Calcium	305	U		6010B
7439-89-6	Iron	73.6	U		6010B
7440-62-2	Vanadium	4.0	U		6010B
7439-95-4	Magnesium	321	U		6010B
7429-90-5	Aluminum	72.1	U		6010B
7439-96-5	Manganese	4.3	U		6010B
7440-48-4	Cobalt	4.3	U		6010B

3-IN
METHOD BLANK
METALS - DISSOLVED

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Concentration Units: ug/L Lab Sample ID: MB 460-137229/1-B
 Instrument Code: ICP4 Batch No.: 137326

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	7.4	U		6010B
7440-38-2	Arsenic	3.7	U		6010B
7440-41-7	Beryllium	0.78	U		6010B
7440-43-9	Cadmium	0.82	U		6010B
7440-47-3	Chromium	4.5	U		6010B
7440-50-8	Copper	7.8	U		6010B
7439-92-1	Lead	4.0	U		6010B
7440-02-0	Nickel	5.0	U		6010B
7782-49-2	Selenium	5.8	U		6010B
7440-22-4	Silver	1.3	U		6010B
7440-28-0	Thallium	5.2	U		6010B
7440-66-6	Zinc	5.8	U		6010B
7440-23-5	Sodium	821	U		6010B
7440-09-7	Potassium	525	U		6010B
7440-39-3	Barium	5.9	U		6010B
7440-70-2	Calcium	305	U		6010B
7439-89-6	Iron	73.6	U		6010B
7440-62-2	Vanadium	4.0	U		6010B
7439-95-4	Magnesium	321	U		6010B
7429-90-5	Aluminum	72.1	U		6010B
7439-96-5	Manganese	4.3	U		6010B
7440-48-4	Cobalt	4.3	U		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Concentration Units: ug/L Lab Sample ID: MB 460-133767/10-A
Instrument Code: LEEMAN5 Batch No.: 133790

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.16	U		7470A

3-IN
METHOD BLANK
METALS - DISSOLVED

Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Concentration Units: ug/L Lab Sample ID: MB 460-133760/1-B
Instrument Code: LEEMAN5 Batch No.: 133790

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.16	U		7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-137326/9 Instrument ID: ICP4
 Lab File ID: 11282012.asc ICS Source: ME_ICSA_Duo_00040
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	494500	99
Antimony		6.65	
Arsenic		-0.292	
Barium		-1.30	
Beryllium		-0.192	
Cadmium		-0.157	
Calcium	500000	442600	89
Chromium		-0.297	
Cobalt		-0.798	
Copper		-1.31	
Iron	200000	193400	97
Lead		0.0199	
Magnesium	500000	491200	98
Manganese		-0.286	
Nickel		-1.27	
Potassium		186	
Selenium		3.63	
Silver		-2.79	
Sodium		-33.1	
Thallium		-1.78	
Vanadium		0.614	
Zinc		6.08	
<i>Boron</i>		<i>-0.274</i>	
<i>Molybdenum</i>		<i>-1.41</i>	
<i>Strontium</i>		<i>0.0726</i>	
<i>Tin</i>		<i>3.13</i>	
<i>Titanium</i>		<i>-1.38</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.: 460-46388-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-137326/10 Instrument ID: ICP4
 Lab File ID: 11282012.asc ICS Source: ME_ICSAB_DUO_00041
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500000	499800	100
Antimony	100	95.8	96
Arsenic	100	93.9	94
Barium	100	91.9	92
Beryllium	100	92.1	92
Cadmium	100	92.5	93
Calcium	500000	449200	90
Chromium	100	93.4	93
Cobalt	100	89.4	89
Copper	100	96.1	96
Iron	200000	194300	97
Lead	100	88.0	88
Magnesium	500000	492000	98
Manganese	100	93.6	94
Nickel	100	88.2	88
Potassium	10000	10300	103
Selenium	100	99.3	99
Silver	100	92.1	92
Sodium	10000	10340	103
Thallium	100	91.0	91
Vanadium	100	94.3	94
Zinc	100	95.5	95
<i>Boron</i>	<i>100</i>	<i>89.3</i>	<i>89</i>
<i>Molybdenum</i>	<i>100</i>	<i>90.1</i>	<i>90</i>
<i>Strontium</i>	<i>100</i>	<i>91.1</i>	<i>91</i>
<i>Tin</i>	<i>100</i>	<i>91.8</i>	<i>92</i>
<i>Titanium</i>	<i>100</i>	<i>93.0</i>	<i>93</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.: 460-46388-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-133827/9 Instrument ID: ICP5
 Lab File ID: 10272012.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		-2.77	
Arsenic		-0.867	
Barium		2.14	
Beryllium		0.0030	
Cadmium		-1.28	
Calcium	500000	450400	90
Chromium		1.66	
Cobalt		-0.216	
Copper		4.87	
Iron	200000	194000	97
Lead		-6.27	
Magnesium	500000	491700	98
Manganese		1.81	
Nickel		-2.18	
Potassium		52.1	
Selenium		-15.2	
Silver		-0.661	
Sodium		20.3	
Thallium		2.79	
Vanadium		-0.645	
Zinc		-0.722	
<i>Boron</i>		<i>-1.55</i>	
<i>Molybdenum</i>		<i>-2.08</i>	
<i>Strontium</i>		<i>-0.106</i>	
<i>Tin</i>		<i>-1.81</i>	
<i>Titanium</i>		<i>-2.44</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.: 460-46388-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-133827/10 Instrument ID: ICP5
 Lab File ID: 10272012.asc ICS Source: ME_ICSAB_DUO_00040
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500000	507300	101
Antimony	100	95.6	96
Arsenic	100	94.0	94
Barium	100	102	102
Beryllium	100	98.3	98
Cadmium	100	95.1	95
Calcium	500000	448500	90
Chromium	100	99.9	100
Cobalt	100	95.6	96
Copper	100	106	106
Iron	200000	196900	98
Lead	100	90.3	90
Magnesium	500000	500800	100
Manganese	100	103	103
Nickel	100	92.3	92
Potassium	10000	10350	104
Selenium	100	82.4	82
Silver	100	102	102
Sodium	10000	10490	105
Thallium	100	91.2	91
Vanadium	100	96.9	97
Zinc	100	93.9	94
<i>Boron</i>	<i>100</i>	<i>95.6</i>	<i>96</i>
<i>Molybdenum</i>	<i>100</i>	<i>93.8</i>	<i>94</i>
<i>Strontium</i>	<i>100</i>	<i>100</i>	<i>100</i>
<i>Tin</i>	<i>100</i>	<i>91.9</i>	<i>92</i>
<i>Titanium</i>	<i>100</i>	<i>95.4</i>	<i>95</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.: 460-46388-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-134290/9 Instrument ID: ICP5
 Lab File ID: 11022012.asc ICS Source: ME_ICSA_Duo_00040
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	500000	100
Antimony		-12.7	
Arsenic		1.82	
Barium		-0.340	
Beryllium		0.0175	
Cadmium		-1.32	
Calcium	500000	448300	90
Chromium		0.0109	
Cobalt		-0.702	
Copper		-0.195	
Iron	200000	194800	97
Lead		-1.80	
Magnesium	500000	498900	100
Manganese		1.70	
Nickel		-1.83	
Potassium		308	
Selenium		2.69	
Silver		-0.242	
Sodium		65.3	
Thallium		-2.75	
Vanadium		-0.592	
Zinc		0.650	
<i>Boron</i>		<i>-2.75</i>	
<i>Molybdenum</i>		<i>-1.25</i>	
<i>Strontium</i>		<i>-0.0189</i>	
<i>Tin</i>		<i>-3.03</i>	
<i>Titanium</i>		<i>-0.768</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.: 460-46388-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-134290/10 Instrument ID: ICP5
 Lab File ID: 11022012.asc ICS Source: ME_ICSAB_DUO_00041
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500000	494500	99
Antimony	100	83.7	84
Arsenic	100	94.3	94
Barium	100	91.3	91
Beryllium	100	89.2	89
Cadmium	100	88.4	88
Calcium	500000	445100	89
Chromium	100	88.9	89
Cobalt	100	86.0	86
Copper	100	89.0	89
Iron	200000	194800	97
Lead	100	84.2	84
Magnesium	500000	496500	99
Manganese	100	93.7	94
Nickel	100	84.4	84
Potassium	10000	10290	103
Selenium	100	91.5	91
Silver	100	94.0	94
Sodium	10000	10280	103
Thallium	100	80.7	81
Vanadium	100	89.2	89
Zinc	100	86.1	86
<i>Boron</i>	<i>100</i>	<i>86.5</i>	<i>86</i>
<i>Molybdenum</i>	<i>100</i>	<i>85.9</i>	<i>86</i>
<i>Strontium</i>	<i>100</i>	<i>91.9</i>	<i>92</i>
<i>Tin</i>	<i>100</i>	<i>83.0</i>	<i>83</i>
<i>Titanium</i>	<i>100</i>	<i>91.4</i>	<i>91</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.: 460-46388-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-137149/9 Instrument ID: ICP5
 Lab File ID: 11272012.asc ICS Source: ME_ICSA_Duo_00040
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Manganese		0.895	
Selenium		-11.5	
Thallium		3.59	
<i>Aluminum</i>	<i>500000</i>	<i>508300</i>	<i>102</i>
<i>Antimony</i>		<i>-2.20</i>	
<i>Arsenic</i>		<i>3.44</i>	
<i>Barium</i>		<i>3.45</i>	
<i>Beryllium</i>		<i>-0.156</i>	
<i>Boron</i>		<i>1.10</i>	
<i>Cadmium</i>		<i>0.276</i>	
<i>Chromium</i>		<i>-0.759</i>	
<i>Cobalt</i>		<i>-0.275</i>	
<i>Copper</i>		<i>1.40</i>	
<i>Iron</i>	<i>200000</i>	<i>197700</i>	<i>99</i>
<i>Lead</i>		<i>0.656</i>	
<i>Magnesium</i>	<i>500000</i>	<i>498800</i>	<i>100</i>
<i>Molybdenum</i>		<i>-1.43</i>	
<i>Nickel</i>		<i>-1.20</i>	
<i>Potassium</i>		<i>221</i>	
<i>Silver</i>		<i>-3.24</i>	
<i>Sodium</i>		<i>126</i>	
<i>Strontium</i>		<i>-0.293</i>	
<i>Tin</i>		<i>-2.46</i>	
<i>Titanium</i>		<i>2.49</i>	
<i>Vanadium</i>		<i>1.87</i>	
<i>Zinc</i>		<i>0.250</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.: 460-46388-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-137149/10 Instrument ID: ICP5
 Lab File ID: 11272012.asc ICS Source: ME_ICSAB_DUO_00041
 Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Manganese	100	97.9	98
Selenium	100	81.5	82
Thallium	100	94.9	95
<i>Aluminum</i>	<i>500000</i>	<i>509300</i>	<i>102</i>
<i>Antimony</i>	<i>100</i>	<i>91.8</i>	<i>92</i>
<i>Arsenic</i>	<i>100</i>	<i>95.1</i>	<i>95</i>
<i>Barium</i>	<i>100</i>	<i>95.7</i>	<i>96</i>
<i>Beryllium</i>	<i>100</i>	<i>94.3</i>	<i>94</i>
<i>Boron</i>	<i>100</i>	<i>89.7</i>	<i>90</i>
<i>Cadmium</i>	<i>100</i>	<i>95.9</i>	<i>96</i>
<i>Chromium</i>	<i>100</i>	<i>93.4</i>	<i>93</i>
<i>Cobalt</i>	<i>100</i>	<i>91.2</i>	<i>91</i>
<i>Copper</i>	<i>100</i>	<i>98.3</i>	<i>98</i>
<i>Iron</i>	<i>200000</i>	<i>197800</i>	<i>99</i>
<i>Lead</i>	<i>100</i>	<i>95.2</i>	<i>95</i>
<i>Magnesium</i>	<i>500000</i>	<i>497500</i>	<i>99</i>
<i>Molybdenum</i>	<i>100</i>	<i>92.7</i>	<i>93</i>
<i>Nickel</i>	<i>100</i>	<i>91.0</i>	<i>91</i>
<i>Potassium</i>	<i>10000</i>	<i>10520</i>	<i>105</i>
<i>Silver</i>	<i>100</i>	<i>91.3</i>	<i>91</i>
<i>Sodium</i>	<i>10000</i>	<i>11100</i>	<i>111</i>
<i>Strontium</i>	<i>100</i>	<i>91.5</i>	<i>91</i>
<i>Tin</i>	<i>100</i>	<i>82.7</i>	<i>83</i>
<i>Titanium</i>	<i>100</i>	<i>96.9</i>	<i>97</i>
<i>Vanadium</i>	<i>100</i>	<i>96.4</i>	<i>96</i>
<i>Zinc</i>	<i>100</i>	<i>89.8</i>	<i>90</i>

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-46402-F-1-C MS
 Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Matrix: Water Concentration Units: ug/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	486.2	7.4 U	500	97	75-125		6010B
Arsenic	1976	3.7 U	2000	99	75-125		6010B
Beryllium	51.83	0.78 U	50.0	104	75-125		6010B
Cadmium	52.41	0.82 U	50.0	105	75-125		6010B
Chromium	206.5	4.5 U	200	103	75-125		6010B
Copper	255.7	7.8 U	250	102	75-125		6010B
Lead	546.3	6.9	500	108	75-125		6010B
Nickel	537.9	5.0 U	500	108	75-125		6010B
Selenium	1946	5.8 U	2000	97	75-125		6010B
Silver	47.67	1.3 U	50.0	95	75-125		6010B
Thallium	2247	5.2 U	2000	112	75-125		6010B
Zinc	541.7	31.2	500	102	75-125		6010B
Sodium	23380	2670 J	20000	104	75-125		6010B
Potassium	23780	3700 J	20000	100	75-125		6010B
Barium	2192	35.5 J	2000	108	75-125		6010B
Calcium	52370	31700	20000	104	75-125		6010B
Iron	1477	437	1000	104	75-125		6010B
Vanadium	510.2	4.0 U	500	102	75-125		6010B
Magnesium	23540	2910 J	20000	103	75-125		6010B
Aluminum	2013	72.1 U	2000	101	75-125		6010B
Manganese	556.0	18.5	500	108	75-125		6010B
Cobalt	523.3	4.3 U	500	105	75-125		6010B

SSR = Spiked Sample Result

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-46192-E-4-L MS
Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Matrix: Water Concentration Units: ug/L
% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	1.49	0.53	1.00	96	75-125		7470A

SSR = Spiked Sample Result

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-46427-I-1-C MS
Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
Matrix: Water Concentration Units: ug/L
% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	2.00	0.16 U	2.00	100	75-125		7470A

SSR = Spiked Sample Result

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-46540-C-3-C MS
 Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Matrix: Water Concentration Units: ug/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	494.4	7.4 U	500	99	75-125		6010B
Arsenic	2026	3.7 U	2000	101	75-125		6010B
Beryllium	52.04	0.78 U	50.0	104	75-125		6010B
Cadmium	52.05	0.82 U	50.0	104	75-125		6010B
Chromium	213.0	4.5 U	200	107	75-125		6010B
Copper	254.7	7.8 U	250	102	75-125		6010B
Lead	528.7	4.0 U	500	106	75-125		6010B
Nickel	533.6	5.0 U	500	107	75-125		6010B
Selenium	1988	5.8 U	2000	99	75-125		6010B
Silver	49.56	1.3 U	50.0	99	75-125		6010B
Thallium	2217	5.2 U	2000	111	75-125		6010B
Zinc	519.5	5.8 U	500	104	75-125		6010B
Sodium	106500	85400	20000	106	75-125	4	6010B
Potassium	24220	3800 J	20000	102	75-125		6010B
Barium	2170	16.1 J	2000	108	75-125		6010B
Calcium	32130	10300	20000	109	75-125		6010B
Iron	2176	1120	1000	105	75-125		6010B
Vanadium	517.1	4.0 U	500	103	75-125		6010B
Magnesium	24220	3870 J	20000	102	75-125		6010B
Aluminum	2078	72.1 U	2000	104	75-125		6010B
Manganese	568.7	32.0	500	107	75-125		6010B
Cobalt	527.1	4.3 U	500	105	75-125		6010B

SSR = Spiked Sample Result

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-47127-A-3-T MS
 Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Matrix: Water Concentration Units: ug/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	487.8	7.4 U	500	98	75-125		6010B
Arsenic	1917	3.7 U	2000	96	75-125		6010B
Beryllium	48.73	0.78 U	50.0	97	75-125		6010B
Cadmium	50.37	0.82 U	50.0	101	75-125		6010B
Chromium	196.2	4.5 U	200	98	75-125		6010B
Copper	242.3	7.8 U	250	97	75-125		6010B
Lead	514.3	4.0 U	500	103	75-125		6010B
Nickel	503.6	5.0 U	500	101	75-125		6010B
Selenium	1884	5.8 U	2000	94	75-125		6010B
Silver	46.70	1.3 U	50.0	93	75-125		6010B
Thallium	2116	5.2 U	2000	106	75-125		6010B
Zinc	500.0	5.8 U	500	100	75-125		6010B
Sodium	26480	6270	20000	101	75-125		6010B
Potassium	27610	8340	20000	96	75-125		6010B
Barium	2059	63.6 J	2000	100	75-125		6010B
Calcium	46160	25600	20000	103	75-125		6010B
Iron	998.0	73.6 U	1000	100	75-125		6010B
Vanadium	481.9	4.0 U	500	96	75-125		6010B
Magnesium	20240	1230 J	20000	95	75-125		6010B
Aluminum	2027	72.1 U	2000	101	75-125		6010B
Manganese	558.9	70.6	500	98	75-125		6010B
Cobalt	494.1	4.3 U	500	99	75-125		6010B

SSR = Spiked Sample Result

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

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-46402-F-1-A PDS
 Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Matrix: Water Concentration Units: ug/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	452.5	7.4 U	500	91	75-125		6010B
Arsenic	1864	3.7 U	2000	93	75-125		6010B
Beryllium	49.52	0.78 U	50.0	99	75-125		6010B
Cadmium	50.19	0.82 U	50.0	100	75-125		6010B
Chromium	198.4	4.5 U	200	99	75-125		6010B
Copper	244.4	7.8 U	250	98	75-125		6010B
Lead	518.3	6.9	500	102	75-125		6010B
Nickel	511.1	5.0 U	500	102	75-125		6010B
Selenium	1846	5.8 U	2000	92	75-125		6010B
Silver	44.82	1.3 U	50.0	90	75-125		6010B
Thallium	2144	5.2 U	2000	107	75-125		6010B
Zinc	521.9	31.2	500	98	75-125		6010B
Sodium	22530	2670 J	20000	99	75-125		6010B
Potassium	22930	3700 J	20000	96	75-125		6010B
Barium	2095	35.5 J	2000	103	75-125		6010B
Calcium	51620	31700	20000	100	75-125		6010B
Iron	1426	437	1000	99	75-125		6010B
Vanadium	489.4	4.0 U	500	98	75-125		6010B
Magnesium	22730	2910 J	20000	99	75-125		6010B
Aluminum	1930	72.1 U	2000	97	75-125		6010B
Manganese	534.6	18.5	500	103	75-125		6010B
Cobalt	499.8	4.3 U	500	100	75-125		6010B

SSR = Spiked Sample Result

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

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-46540-C-3-A PDS
 Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Matrix: Water Concentration Units: ug/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	455.1	7.4 U	500	91	75-125		6010B
Arsenic	1872	3.7 U	2000	94	75-125		6010B
Beryllium	47.65	0.78 U	50.0	95	75-125		6010B
Cadmium	48.26	0.82 U	50.0	97	75-125		6010B
Chromium	193.3	4.5 U	200	97	75-125		6010B
Copper	235.7	7.8 U	250	94	75-125		6010B
Lead	488.6	4.0 U	500	98	75-125		6010B
Nickel	491.7	5.0 U	500	98	75-125		6010B
Selenium	1841	5.8 U	2000	92	75-125		6010B
Silver	45.05	1.3 U	50.0	90	75-125		6010B
Thallium	2038	5.2 U	2000	102	75-125		6010B
Zinc	485.9	5.8 U	500	97	75-125		6010B
Sodium	103000	85400	20000	88	75-125		6010B
Potassium	22550	3800 J	20000	94	75-125		6010B
Barium	1997	16.1 J	2000	99	75-125		6010B
Calcium	30130	10300	20000	99	75-125		6010B
Iron	2067	1120	1000	94	75-125		6010B
Vanadium	474.6	4.0 U	500	95	75-125		6010B
Magnesium	22490	3870 J	20000	93	75-125		6010B
Aluminum	1913	72.1 U	2000	96	75-125		6010B
Manganese	524.7	32.0	500	99	75-125		6010B
Cobalt	485.8	4.3 U	500	97	75-125		6010B

SSR = Spiked Sample Result

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

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-47127-A-3-R PDS
 Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 Matrix: Water Concentration Units: ug/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	467.7	7.4 U	500	94	75-125		6010B
Arsenic	1814	3.7 U	2000	91	75-125		6010B
Beryllium	46.17	0.78 U	50.0	92	75-125		6010B
Cadmium	47.87	0.82 U	50.0	96	75-125		6010B
Chromium	186.5	4.5 U	200	93	75-125		6010B
Copper	237.6	7.8 U	250	95	75-125		6010B
Lead	488.2	4.0 U	500	98	75-125		6010B
Nickel	480.1	5.0 U	500	96	75-125		6010B
Selenium	1785	5.8 U	2000	89	75-125		6010B
Silver	45.22	1.3 U	50.0	90	75-125		6010B
Thallium	2018	5.2 U	2000	101	75-125		6010B
Zinc	474.2	5.8 U	500	95	75-125		6010B
Sodium	25200	6270	20000	95	75-125		6010B
Potassium	26320	8340	20000	90	75-125		6010B
Barium	1955	63.6 J	2000	95	75-125		6010B
Calcium	44360	25600	20000	94	75-125		6010B
Iron	971.8	73.6 U	1000	97	75-125		6010B
Vanadium	457.4	4.0 U	500	91	75-125		6010B
Magnesium	19300	1230 J	20000	90	75-125		6010B
Aluminum	1877	72.1 U	2000	94	75-125		6010B
Manganese	534.4	70.6	500	93	75-125		6010B
Cobalt	469.9	4.3 U	500	94	75-125		6010B

SSR = Spiked Sample Result

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

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-46402-F-1-B DU
 Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 % Solids for Sample: _____ % Solids for Duplicate: _____
 Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Antimony	10.0	7.4 U	7.4 U	NC		6010B
Arsenic	5.0	3.7 U	4.58 J	NC		6010B
Beryllium	2.0	0.78 U	0.78 U	NC		6010B
Cadmium	5.0	0.82 U	0.82 U	NC		6010B
Chromium	10.0	4.5 U	4.5 U	NC		6010B
Copper	25.0	7.8 U	7.8 U	NC		6010B
Lead	5.0	6.9	6.59	5		6010B
Nickel	40.0	5.0 U	5.0 U	NC		6010B
Selenium	10.0	5.8 U	5.8 U	NC		6010B
Silver	10.0	1.3 U	1.3 U	NC		6010B
Thallium	10.0	5.2 U	5.2 U	NC		6010B
Zinc	30.0	31.2	30.94	0.7		6010B
Sodium	5000	2670 J	2688 J	0.6		6010B
Potassium	5000	3700 J	3715 J	0.4		6010B
Barium	200	35.5 J	34.61 J	3		6010B
Calcium	5000	31700	31630	0.06		6010B
Iron	150	437	419.0	4		6010B
Vanadium	50.0	4.0 U	4.0 U	NC		6010B
Magnesium	5000	2910 J	2892 J	0.7		6010B
Aluminum	200	72.1 U	72.1 U	NC		6010B
Manganese	15.0	18.5	18.22	1		6010B
Cobalt	50.0	4.3 U	4.3 U	NC		6010B

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

6-IN
DUPLICATES
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-46192-E-4-K DU
Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
% Solids for Sample: _____ % Solids for Duplicate: _____
Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Mercury	0.20	0.53	0.532	0		7470A

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

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-46427-I-1-B DU
Lab Name: TestAmerica Edison Job No.: 460-46388-1
SDG No.: _____
% Solids for Sample: _____ % Solids for Duplicate: _____
Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Mercury	0.20	0.16 U	0.16 U	NC		7470A

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

6-IN
 DUPLICATES
 METALS - DISSOLVED

Client ID: _____ Lab ID: 460-46540-C-3-B DU
 Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 % Solids for Sample: _____ % Solids for Duplicate: _____
 Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Antimony	10.0	7.4 U	7.4 U	NC		6010B
Arsenic	5.0	3.7 U	3.7 U	NC		6010B
Beryllium	2.0	0.78 U	0.78 U	NC		6010B
Cadmium	5.0	0.82 U	0.82 U	NC		6010B
Chromium	10.0	4.5 U	4.5 U	NC		6010B
Copper	25.0	7.8 U	7.8 U	NC		6010B
Lead	5.0	4.0 U	4.0 U	NC		6010B
Nickel	40.0	5.0 U	5.0 U	NC		6010B
Selenium	10.0	5.8 U	5.8 U	NC		6010B
Silver	10.0	1.3 U	1.3 U	NC		6010B
Thallium	10.0	5.2 U	5.2 U	NC		6010B
Zinc	30.0	5.8 U	5.8 U	NC		6010B
Sodium	5000	85400	83910	2		6010B
Potassium	5000	3800 J	3728 J	2		6010B
Barium	200	16.1 J	15.88 J	2		6010B
Calcium	5000	10300	10160	2		6010B
Iron	150	1120	1090	3		6010B
Vanadium	50.0	4.0 U	4.0 U	NC		6010B
Magnesium	5000	3870 J	3820 J	1		6010B
Aluminum	200	72.1 U	72.1 U	NC		6010B
Manganese	15.0	32.0	31.36	2		6010B
Cobalt	50.0	4.3 U	4.3 U	NC		6010B

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

6-IN
 DUPLICATES
 METALS - DISSOLVED

Client ID: _____ Lab ID: 460-47127-A-3-S DU
 Lab Name: TestAmerica Edison Job No.: 460-46388-1
 SDG No.: _____
 % Solids for Sample: _____ % Solids for Duplicate: _____
 Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Antimony	10.0	7.4 U	7.4 U	NC		6010B
Arsenic	5.0	3.7 U	3.7 U	NC		6010B
Beryllium	2.0	0.78 U	0.78 U	NC		6010B
Cadmium	5.0	0.82 U	0.82 U	NC		6010B
Chromium	10.0	4.5 U	4.5 U	NC		6010B
Copper	25.0	7.8 U	7.8 U	NC		6010B
Lead	5.0	4.0 U	4.0 U	NC		6010B
Nickel	40.0	5.0 U	5.0 U	NC		6010B
Selenium	10.0	5.8 U	5.8 U	NC		6010B
Silver	10.0	1.3 U	1.3 U	NC		6010B
Thallium	10.0	5.2 U	5.2 U	NC		6010B
Zinc	30.0	5.8 U	5.8 U	NC		6010B
Sodium	5000	6270	6290	0.3		6010B
Potassium	5000	8340	8369	0.4		6010B
Barium	200	63.6 J	63.92 J	0.5		6010B
Calcium	5000	25600	25680	0.5		6010B
Iron	150	73.6 U	73.6 U	NC		6010B
Vanadium	50.0	4.0 U	4.0 U	NC		6010B
Magnesium	5000	1230 J	1262 J	3		6010B
Aluminum	200	72.1 U	72.1 U	NC		6010B
Manganese	15.0	70.6	71.47	1		6010B
Cobalt	50.0	4.3 U	4.3 U	NC		6010B

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

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-133764/2-A

Lab Name: TestAmerica Edison

Job No.: 460-46388-1

Sample Matrix: Water

LCS Source: ME_LCS-int_00033

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Antimony	500	477.6		96	80	120		6010B
Arsenic	2000	1942		97	80	120		6010B
Beryllium	50.0	51.45		103	80	120		6010B
Cadmium	50.0	52.60		105	80	120		6010B
Chromium	200	207.8		104	80	120		6010B
Copper	250	250.6		100	80	120		6010B
Lead	500	533.6		107	80	120		6010B
Nickel	500	540.8		108	80	120		6010B
Selenium	2000	1904		95	80	120		6010B
Silver	50.0	46.96		94	80	120		6010B
Thallium	2000	2254		113	80	120		6010B
Zinc	500	515.6		103	80	120		6010B
Sodium	20000	20670		103	80	120		6010B
Potassium	20000	20090		100	80	120		6010B
Barium	2000	2156		108	80	120		6010B
Calcium	20000	21510		108	80	120		6010B
Iron	1000	1067		107	80	120		6010B
Vanadium	500	509.6		102	80	120		6010B
Magnesium	20000	20720		104	80	120		6010B
Aluminum	2000	1987		99	80	120		6010B
Manganese	500	540.7		108	80	120		6010B
Cobalt	500	525.7		105	80	120		6010B

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-134211/2-A

Lab Name: TestAmerica Edison

Job No.: 460-46388-1

Sample Matrix: Water

LCS Source: ME_LCS-int_00033

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Antimony	500	464.8		93	80	120		6010B
Arsenic	2000	1878		94	80	120		6010B
Beryllium	50.0	49.20		98	80	120		6010B
Cadmium	50.0	50.01		100	80	120		6010B
Chromium	200	201.1		101	80	120		6010B
Copper	250	242.3		97	80	120		6010B
Lead	500	518.5		104	80	120		6010B
Nickel	500	511.5		102	80	120		6010B
Selenium	2000	1864		93	80	120		6010B
Silver	50.0	46.80		94	80	120		6010B
Thallium	2000	2198		110	80	120		6010B
Zinc	500	491.5		98	80	120		6010B
Sodium	20000	19930		100	80	120		6010B
Potassium	20000	19290		96	80	120		6010B
Barium	2000	2061		103	80	120		6010B
Calcium	20000	20580		103	80	120		6010B
Iron	1000	1024		102	80	120		6010B
Vanadium	500	489.1		98	80	120		6010B
Magnesium	20000	19670		98	80	120		6010B
Aluminum	2000	1964		98	80	120		6010B
Manganese	500	514.8		103	80	120		6010B
Cobalt	500	504.8		101	80	120		6010B

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-137227/2-A

Lab Name: TestAmerica Edison

Job No.: 460-46388-1

Sample Matrix: Water

LCS Source: ME_LCS-int_00034

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Antimony	500	480.0		96	80	120		6010B
Arsenic	2000	1885		94	80	120		6010B
Beryllium	50.0	48.22		96	80	120		6010B
Cadmium	50.0	50.20		100	80	120		6010B
Chromium	200	193.4		97	80	120		6010B
Copper	250	241.8		97	80	120		6010B
Lead	500	513.2		103	80	120		6010B
Nickel	500	502.2		100	80	120		6010B
Selenium	2000	1856		93	80	120		6010B
Silver	50.0	45.53		91	80	120		6010B
Thallium	2000	2130		107	80	120		6010B
Zinc	500	492.9		99	80	120		6010B
Sodium	20000	20400		102	80	120		6010B
Potassium	20000	19260		96	80	120		6010B
Barium	2000	1995		100	80	120		6010B
Calcium	20000	21140		106	80	120		6010B
Iron	1000	988.4		99	80	120		6010B
Vanadium	500	474.3		95	80	120		6010B
Magnesium	20000	18710		94	80	120		6010B
Aluminum	2000	1997		100	80	120		6010B
Manganese	500	483.8		97	80	120		6010B
Cobalt	500	494.0		99	80	120		6010B

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-133766/12-A

Lab Name: TestAmerica Edison

Job No.: 460-46388-1

Sample Matrix: Water

LCS Source: ME_DCAL-IN_00952

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	0.997		100	80	120		7470A

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-133767/11-A

Lab Name: TestAmerica Edison

Job No.: 460-46388-1

Sample Matrix: Water

LCS Source: ME_DCAL-IN_00952

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	2.00	2.00		100	80	120		7470A

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: 460-46402-F-1-A SD ^5

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-46388-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Antimony	7.4	U	36.8	U	NC		6010B
Arsenic	3.7	U	18.6	U	NC		6010B
Beryllium	0.78	U	3.9	U	NC		6010B
Cadmium	0.82	U	4.1	U	NC		6010B
Chromium	4.5	U	22.3	U	NC		6010B
Copper	7.8	U	39.2	U	NC		6010B
Lead	6.9		20.1	U	NC		6010B
Nickel	5.0	U	24.9	U	NC		6010B
Selenium	5.8	U	28.8	U	NC		6010B
Silver	1.3	U	6.7	U	NC		6010B
Thallium	5.2	U	26.2	U	NC		6010B
Zinc	31.2		45.72	J	NC		6010B
Sodium	2670	J	4100	U	NC		6010B
Potassium	3700	J	3638	J	NC		6010B
Barium	35.5	J	36.63	J	NC		6010B
Calcium	31700		31230		1.3		6010B
Iron	437		392.4	J	NC		6010B
Vanadium	4.0	U	20.2	U	NC		6010B
Magnesium	2910	J	2875	J	NC		6010B
Aluminum	72.1	U	361	U	NC		6010B
Manganese	18.5		21.5	U	NC		6010B
Cobalt	4.3	U	21.4	U	NC		6010B

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

FORM VIII-IN

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

Lab ID: 460-46540-C-3-A SD ^5

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-46388-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Antimony	7.4	U	36.8	U	NC		6010B
Arsenic	3.7	U	18.6	U	NC		6010B
Beryllium	0.78	U	3.9	U	NC		6010B
Cadmium	0.82	U	4.1	U	NC		6010B
Chromium	4.5	U	22.3	U	NC		6010B
Copper	7.8	U	39.2	U	NC		6010B
Lead	4.0	U	20.1	U	NC		6010B
Nickel	5.0	U	24.9	U	NC		6010B
Selenium	5.8	U	28.8	U	NC		6010B
Silver	1.3	U	6.7	U	NC		6010B
Thallium	5.2	U	26.2	U	NC		6010B
Zinc	5.8	U	29.2	U	NC		6010B
Sodium	85400		83950		1.7		6010B
Potassium	3800	J	3847	J	NC		6010B
Barium	16.1	J	29.7	U	NC		6010B
Calcium	10300		10150	J	NC		6010B
Iron	1120		1126		NC		6010B
Vanadium	4.0	U	20.2	U	NC		6010B
Magnesium	3870	J	3801	J	NC		6010B
Aluminum	72.1	U	361	U	NC		6010B
Manganese	32.0		31.25	J	NC		6010B
Cobalt	4.3	U	21.4	U	NC		6010B

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

FORM VIII-IN

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

Lab ID: 460-47127-A-3-R SD ^5

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-46388-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Antimony	7.4	U	36.8	U	NC		6010B
Arsenic	3.7	U	18.6	U	NC		6010B
Beryllium	0.78	U	3.9	U	NC		6010B
Cadmium	0.82	U	4.1	U	NC		6010B
Chromium	4.5	U	22.3	U	NC		6010B
Copper	7.8	U	39.2	U	NC		6010B
Lead	4.0	U	20.1	U	NC		6010B
Nickel	5.0	U	24.9	U	NC		6010B
Selenium	5.8	U	28.8	U	NC		6010B
Silver	1.3	U	6.7	U	NC		6010B
Thallium	5.2	U	26.2	U	NC		6010B
Zinc	5.8	U	29.2	U	NC		6010B
Sodium	6270		6230	J	NC		6010B
Potassium	8340		8465	J	NC		6010B
Barium	63.6	J	63.30	J	NC		6010B
Calcium	25600		25230		1.3		6010B
Iron	73.6	U	368	U	NC		6010B
Vanadium	4.0	U	20.2	U	NC		6010B
Magnesium	1230	J	1610	U	NC		6010B
Aluminum	72.1	U	361	U	NC		6010B
Manganese	70.6		70.45	J	NC		6010B
Cobalt	4.3	U	21.4	U	NC		6010B

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

FORM VIII-IN

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

Lab ID: 460-46192-E-4-J SD ^5

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-46388-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Mercury	0.53		0.80	U	NC		7470A

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: 460-46427-I-1-A SD ^5

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-46388-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Result (S)	C			
Mercury	0.16	U	0.80	U	NC		7470A

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: 460-46388-1
SDG Number: _____
Matrix: Water Instrument ID: ICP5
Method: 6010B MDL Date: 11/14/2011 12:49
Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (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
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-46388-1
SDG Number: _____
Matrix: Water Instrument ID: ICP5
Method: 6010B XMDL Date: 11/14/2011 12:49

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 - DISSOLVED

Lab Name: TestAmerica Edison Job Number: 460-46388-1
SDG Number: _____
Matrix: Water Instrument ID: ICP4
Method: 6010B MDL Date: 11/14/2011 12:49
Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Chromium		10	4.46

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Edison Job Number: 460-46388-1
SDG Number: _____
Matrix: Water Instrument ID: ICP4
Method: 6010B XMDL Date: 11/14/2011 12:49

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Chromium		10	4.46

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Edison Job Number: 460-46388-1
SDG Number: _____
Matrix: Water Instrument ID: ICP5
Method: 6010B MDL Date: 11/14/2011 12:49
Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (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
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Edison Job Number: 460-46388-1
SDG Number: _____
Matrix: Water Instrument ID: ICP5
Method: 6010B XMDL Date: 11/14/2011 12:49

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: 460-46388-1
SDG Number: _____
Matrix: Water Instrument ID: LEEMAN5
Method: 7470A MDL Date: 11/14/2011 12:40
Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.16

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-46388-1
SDG Number: _____
Matrix: Water Instrument ID: LEEMAN5
Method: 7470A XMDL Date: 11/14/2011 12:40

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.16

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Edison Job Number: 460-46388-1
SDG Number: _____
Matrix: Water Instrument ID: LEEMAN5
Method: 7470A MDL Date: 11/14/2011 12:40
Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.16

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Edison Job Number: 460-46388-1
SDG Number: _____
Matrix: Water Instrument ID: LEEMAN5
Method: 7470A XMDL Date: 11/14/2011 12:40

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: 460-46388-1

SDG No.: _____

Instrument ID: ICP4

Date: 01/05/2012 09:24

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Chromium		40000	6010B

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Edison

Job No: 460-46388-1

SDG No.: _____

Instrument ID: ICP5

Date: 01/05/2012 09:24

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Antimony		8000	6010B
Arsenic		20000	6010B
Beryllium		8000	6010B
Cadmium		10000	6010B
Copper		100000	6010B
Lead		60000	6010B
Nickel		20000	6010B
Selenium		20000	6010B
Silver		10000	6010B
Thallium		20000	6010B
Zinc		20000	6010B
Sodium		1000000	6010B
Potassium		400000	6010B
Barium		80000	6010B
Calcium		1000000	6010B
Iron		800000	6010B
Vanadium		20000	6010B
Magnesium		1000000	6010B
Aluminum		1000000	6010B
Manganese		40000	6010B
Cobalt		20000	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-133764/1-A	10/26/2012 16:53	133764		100	100
LCS 460-133764/2-A	10/26/2012 16:53	133764		100	100
460-46402-F-1-B DU	10/26/2012 16:53	133764		100	100
460-46402-F-1-C MS	10/26/2012 16:53	133764		100	100
460-46388-1	10/26/2012 16:53	133764		100	100
460-46388-2	10/26/2012 16:53	133764		100	100
460-46388-3	10/26/2012 16:53	133764		100	100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-134200/1-C	11/02/2012 09:04	134204		100	100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-134200/1-B	11/02/2012 09:31	134211		100	100
LCS 460-134211/2-A	11/02/2012 09:31	134211		100	100
460-46540-C-3-B DU	11/02/2012 09:31	134211		100	100
460-46540-C-3-C MS	11/02/2012 09:31	134211		100	100
460-46388-1	11/02/2012 09:31	134211		100	100
460-46388-2	11/02/2012 09:31	134211		100	100
460-46388-3	11/02/2012 09:31	134211		100	100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-137229/1-B	11/28/2012 08:52	137227		100	100
LCS 460-137227/2-A	11/28/2012 08:52	137227		100	100
460-47127-A-3-S DU	11/28/2012 08:52	137227		100	100
460-47127-A-3-T MS	11/28/2012 08:52	137227		100	100
460-46388-3	11/28/2012 08:52	137227		100	100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-133760/1-B	10/26/2012 17:17	133766		30	30
LCS 460-133766/12-A	10/26/2012 17:17	133766		30	30
460-46192-E-4-K DU	10/26/2012 17:17	133766		30	30
460-46192-E-4-L MS	10/26/2012 17:17	133766		30	30
460-46388-1	10/26/2012 17:17	133766		30	30
460-46388-2	10/26/2012 17:17	133766		30	30
460-46388-3	10/26/2012 17:17	133766		30	30

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-133767/10-A	10/26/2012 17:37	133767		30	30
LCS 460-133767/11-A	10/26/2012 17:37	133767		30	30
460-46427-I-1-B DU	10/26/2012 17:37	133767		30	30
460-46427-I-1-C MS	10/26/2012 17:37	133767		30	30
460-46388-1	10/26/2012 17:37	133767		30	30
460-46388-2	10/26/2012 17:37	133767		30	30
460-46388-3	10/26/2012 17:37	133767		30	30

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 11/28/2012 14:34 End Date: 11/28/2012 18:22

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			14:34																				
ZZZZZZ			14:37																				
ZZZZZZ			14:41																				
ZZZZZZ			14:45																				
ZZZZZZ			14:48																				
ZZZZZZ			14:52																				
ICV 460-137326/7	1		14:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-137326/8	1		14:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-137326/9	1		15:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-137326/10	1		15:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			15:10																				
ZZZZZZ			15:13																				
ZZZZZZ			15:17																				
ZZZZZZ			15:21																				
ZZZZZZ			15:24																				
ZZZZZZ			15:28																				
ZZZZZZ			15:31																				
ZZZZZZ			15:35																				
CCV 460-137326/19	1		15:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-137326/20	1		15:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			15:46																				
ZZZZZZ			15:49																				
ZZZZZZ			15:53																				
ZZZZZZ			15:57																				
460-47127-A-3-S DU	1	D	16:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			16:04																				
460-47127-A-3-R SD ^5	5	D	16:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-47127-A-3-T MS	1	D	16:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-47127-A-3-R PDS	1	D	16:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCS 460-137227/2-A	1	T	16:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 460-137326/31	1		16:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-137326/32	1		16:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MB 460-137229/1-B	1	D	16:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			16:33																				
ZZZZZZ			16:36																				
460-46388-3	1	D	16:40									X											
CCV 460-137326/37	1		16:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-137326/38	1		16:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			16:58																				
ZZZZZZ			17:02																				
ZZZZZZ			17:05																				
ZZZZZZ			17:09																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 11/28/2012 14:34 End Date: 11/28/2012 18:22

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
ZZZZZZ			17:13																			
ZZZZZZ			17:16																			
ZZZZZZ			17:20																			
ZZZZZZ			17:23																			
ZZZZZZ			17:27																			
ZZZZZZ			17:31																			
CCV 460-137326/49			17:34																			
CCB 460-137326/50			17:38																			
ZZZZZZ			17:42																			
ZZZZZZ			17:45																			
ZZZZZZ			17:49																			
ZZZZZZ			17:53																			
ZZZZZZ			17:56																			
ZZZZZZ			18:00																			
ZZZZZZ			18:03																			
ZZZZZZ			18:07																			
ZZZZZZ			18:11																			
ZZZZZZ			18:14																			
CCV 460-137326/61			18:18																			
CCB 460-137326/62			18:22																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 11/28/2012 14:34 End Date: 11/28/2012 18:22

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			14:34																		
ZZZZZZ			14:37																		
ZZZZZZ			14:41																		
ZZZZZZ			14:45																		
ZZZZZZ			14:48																		
ZZZZZZ			14:52																		
ICV 460-137326/7	1		14:55	X	X																
ICB 460-137326/8	1		14:58	X	X																
ICSA 460-137326/9	1		15:02	X	X																
ICSAB 460-137326/10	1		15:06	X	X																
ZZZZZZ			15:10																		
ZZZZZZ			15:13																		
ZZZZZZ			15:17																		
ZZZZZZ			15:21																		
ZZZZZZ			15:24																		
ZZZZZZ			15:28																		
ZZZZZZ			15:31																		
ZZZZZZ			15:35																		
CCV 460-137326/19	1		15:38	X	X																
CCB 460-137326/20	1		15:42	X	X																
ZZZZZZ			15:46																		
ZZZZZZ			15:49																		
ZZZZZZ			15:53																		
ZZZZZZ			15:57																		
460-47127-A-3-S DU	1	D	16:00	X	X																
ZZZZZZ			16:04																		
460-47127-A-3-R SD ^5	5	D	16:08	X	X																
460-47127-A-3-T MS	1	D	16:11	X	X																
460-47127-A-3-R PDS	1	D	16:15	X	X																
LCS 460-137227/2-A	1	T	16:18	X	X																
CCV 460-137326/31	1		16:22	X	X																
CCB 460-137326/32	1		16:25	X	X																
MB 460-137229/1-B	1	D	16:29	X	X																
ZZZZZZ			16:33																		
ZZZZZZ			16:36																		
460-46388-3	1	D	16:40																		
CCV 460-137326/37	1		16:44	X	X																
CCB 460-137326/38	1		16:47	X	X																
ZZZZZZ			16:58																		
ZZZZZZ			17:02																		
ZZZZZZ			17:05																		
ZZZZZZ			17:09																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: ICP4 Method: 6010B

Start Date: 11/28/2012 14:34 End Date: 11/28/2012 18:22

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			17:13																		
ZZZZZZ			17:16																		
ZZZZZZ			17:20																		
ZZZZZZ			17:23																		
ZZZZZZ			17:27																		
ZZZZZZ			17:31																		
CCV 460-137326/49			17:34																		
CCB 460-137326/50			17:38																		
ZZZZZZ			17:42																		
ZZZZZZ			17:45																		
ZZZZZZ			17:49																		
ZZZZZZ			17:53																		
ZZZZZZ			17:56																		
ZZZZZZ			18:00																		
ZZZZZZ			18:03																		
ZZZZZZ			18:07																		
ZZZZZZ			18:11																		
ZZZZZZ			18:14																		
CCV 460-137326/61			18:18																		
CCB 460-137326/62			18:22																		

Prep Types

D = Dissolved

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 10/27/2012 10:58 End Date: 10/27/2012 13:54

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
ZZZZZZ			10:58																			
ZZZZZZ			11:02																			
ZZZZZZ			11:06																			
ZZZZZZ			11:10																			
ZZZZZZ			11:13																			
ZZZZZZ			11:17																			
ICV 460-133827/7	1		11:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 460-133827/8	1		11:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 460-133827/9	1		11:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 460-133827/10	1		11:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:36																			
ZZZZZZ			11:40																			
ZZZZZZ			11:43																			
ZZZZZZ			11:47																			
ZZZZZZ			11:51																			
ZZZZZZ			11:55																			
ZZZZZZ			11:58																			
ZZZZZZ			12:02																			
CCV 460-133827/19	1		12:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-133827/20	1		12:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:13																			
ZZZZZZ			12:17																			
ZZZZZZ			12:21																			
ZZZZZZ			12:25																			
ZZZZZZ			12:28																			
ZZZZZZ			12:32																			
ZZZZZZ			12:36																			
460-46402-F-1-B DU	1	T	12:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:44																			
LCS 460-133764/2-A	1	T	12:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-133827/31	1		12:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-133827/32	1		12:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 460-133764/1-A	1	T	12:58	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46402-F-1-A SD ^5	5	T	13:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46402-F-1-C MS	1	T	13:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46402-F-1-A PDS	1	T	13:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:13																			
ZZZZZZ			13:17																			
460-46388-1	1	T	13:20	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	
460-46388-2	1	T	13:24	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	
460-46388-3	1	T	13:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:32																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 10/27/2012 10:58 End Date: 10/27/2012 13:54

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
CCV 460-133827/43	1		13:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-133827/44	1		13:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46388-1	3	T	13:43		X											X						X
460-46388-2	3	T	13:47													X						X
CCV 460-133827/47	1		13:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-133827/48	1		13:54	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.: 460-46388-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 10/27/2012 10:58 End Date: 10/27/2012 13:54

Lab Sample ID	D / F	T y p e	Time	Analytes															
				V	Z n														
ZZZZZZ			10:58																
ZZZZZZ			11:02																
ZZZZZZ			11:06																
ZZZZZZ			11:10																
ZZZZZZ			11:13																
ZZZZZZ			11:17																
ICV 460-133827/7	1		11:21	X	X														
ICB 460-133827/8	1		11:24	X	X														
ICSA 460-133827/9	1		11:28	X	X														
ICSAB 460-133827/10	1		11:32	X	X														
ZZZZZZ			11:36																
ZZZZZZ			11:40																
ZZZZZZ			11:43																
ZZZZZZ			11:47																
ZZZZZZ			11:51																
ZZZZZZ			11:55																
ZZZZZZ			11:58																
ZZZZZZ			12:02																
CCV 460-133827/19	1		12:06	X	X														
CCB 460-133827/20	1		12:09	X	X														
ZZZZZZ			12:13																
ZZZZZZ			12:17																
ZZZZZZ			12:21																
ZZZZZZ			12:25																
ZZZZZZ			12:28																
ZZZZZZ			12:32																
ZZZZZZ			12:36																
460-46402-F-1-B DU	1	T	12:40	X	X														
ZZZZZZ			12:44																
LCS 460-133764/2-A	1	T	12:47	X	X														
CCV 460-133827/31	1		12:51	X	X														
CCB 460-133827/32	1		12:55	X	X														
MB 460-133764/1-A	1	T	12:58	X	X														
460-46402-F-1-A SD ^5	5	T	13:02	X	X														
460-46402-F-1-C MS	1	T	13:06	X	X														
460-46402-F-1-A PDS	1	T	13:09	X	X														
ZZZZZZ			13:13																
ZZZZZZ			13:17																
460-46388-1	1	T	13:20	X	X														
460-46388-2	1	T	13:24	X	X														
460-46388-3	1	T	13:28	X	X														
ZZZZZZ			13:32																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 10/27/2012 10:58 End Date: 10/27/2012 13:54

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCV 460-133827/43	1		13:36	X	X																
CCB 460-133827/44	1		13:39	X	X																
460-46388-1	3	T	13:43																		
460-46388-2	3	T	13:47																		
CCV 460-133827/47	1		13:50	X	X																
CCB 460-133827/48	1		13:54	X	X																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/02/2012 11:35 End Date: 11/02/2012 19:22

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			11:35																				
ZZZZZZ			11:39																				
ZZZZZZ			11:42																				
ZZZZZZ			11:46																				
ZZZZZZ			11:49																				
ZZZZZZ			11:53																				
ICV 460-134290/7	1		11:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-134290/8	1		12:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-134290/9	1		12:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-134290/10	1		12:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			12:12																				
ZZZZZZ			12:16																				
ZZZZZZ			12:19																				
ZZZZZZ			12:23																				
ZZZZZZ			12:27																				
ZZZZZZ			12:30																				
ZZZZZZ			12:34																				
ZZZZZZ			12:38																				
CCV 460-134290/19			12:41																				
CCB 460-134290/20			12:45																				
ZZZZZZ			12:48																				
ZZZZZZ			12:52																				
ZZZZZZ			12:56																				
ZZZZZZ			12:59																				
ZZZZZZ			13:03																				
ZZZZZZ			13:07																				
ZZZZZZ			13:10																				
ZZZZZZ			13:14																				
ZZZZZZ			13:18																				
ZZZZZZ			13:21																				
CCV 460-134290/31			13:25																				
CCB 460-134290/32			13:29																				
ZZZZZZ			13:32																				
ZZZZZZ			13:36																				
ZZZZZZ			13:40																				
ZZZZZZ			13:43																				
ZZZZZZ			13:47																				
ZZZZZZ			13:51																				
ZZZZZZ			13:54																				
ZZZZZZ			13:58																				
ZZZZZZ			14:01																				
ZZZZZZ			14:05																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/02/2012 11:35 End Date: 11/02/2012 19:22

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 460-134290/43	1		14:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-134290/44	1		14:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 460-134200/1-C	1	D	14:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:19																				
ZZZZZZ			14:23																				
ZZZZZZ			14:27																				
ZZZZZZ			14:30																				
ZZZZZZ			14:34																				
ZZZZZZ			14:38																				
ZZZZZZ			14:41																				
ZZZZZZ			14:45																				
ZZZZZZ			14:49																				
CCV 460-134290/55	1		14:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-134290/56	1		14:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:00																				
ZZZZZZ			15:03																				
ZZZZZZ			15:07																				
460-46540-C-3-B DU	1	D	15:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:14																				
460-46540-C-3-A SD ^5	5	D	15:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46540-C-3-C MS	1	D	15:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46540-C-3-A PDS	1	D	15:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46388-1	1	D	15:29	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		
LCS 460-134211/2-A	1	T	15:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-134290/67	1		15:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-134290/68	1		15:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 460-134200/1-B	1	D	15:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-46388-2	1	D	15:47	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		
460-46388-3	1	D	15:51	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:55																				
ZZZZZZ			15:58																				
ZZZZZZ			16:02																				
ZZZZZZ			16:06																				
ZZZZZZ			16:09																				
ZZZZZZ			16:13																				
ZZZZZZ			16:17																				
CCV 460-134290/79	1		16:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-134290/80	1		16:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			16:27																				
ZZZZZZ			16:31																				
ZZZZZZ			16:35																				
ZZZZZZ			16:39																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/02/2012 11:35 End Date: 11/02/2012 19:22

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			16:42																				
ZZZZZZ			16:46																				
ZZZZZZ			16:50																				
CCV 460-134290/88	1		16:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-134290/89	1		16:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			17:10																				
ZZZZZZ			17:14																				
ZZZZZZ			17:17																				
ZZZZZZ			17:21																				
ZZZZZZ			17:24																				
ZZZZZZ			17:28																				
ZZZZZZ			17:31																				
ZZZZZZ			17:35																				
ZZZZZZ			17:38																				
ZZZZZZ			17:42																				
CCV 460-134290/100			17:46																				
CCB 460-134290/101			17:49																				
ZZZZZZ			17:53																				
ZZZZZZ			17:57																				
ZZZZZZ			18:00																				
ZZZZZZ			18:04																				
ZZZZZZ			18:07																				
ZZZZZZ			18:11																				
ZZZZZZ			18:15																				
ZZZZZZ			18:18																				
ZZZZZZ			18:22																				
ZZZZZZ			18:25																				
CCV 460-134290/112			18:29																				
CCB 460-134290/113			18:32																				
ZZZZZZ			18:36																				
ZZZZZZ			18:40																				
ZZZZZZ			18:43																				
ZZZZZZ			18:47																				
ZZZZZZ			18:50																				
ZZZZZZ			18:54																				
ZZZZZZ			18:58																				
ZZZZZZ			19:01																				
ZZZZZZ			19:05																				
ZZZZZZ			19:08																				
CCV 460-134290/124			19:12																				
CCB 460-134290/125			19:15																				
CCV 460-134290/126			19:19																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/02/2012 11:35 End Date: 11/02/2012 19:22

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
CCB 460-134290/127			19:22																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/02/2012 11:35 End Date: 11/02/2012 19:22

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			11:35																		
ZZZZZZ			11:39																		
ZZZZZZ			11:42																		
ZZZZZZ			11:46																		
ZZZZZZ			11:49																		
ZZZZZZ			11:53																		
ICV 460-134290/7	1		11:57	X	X																
ICB 460-134290/8	1		12:00	X	X																
ICSA 460-134290/9	1		12:04	X	X																
ICSAB 460-134290/10	1		12:08	X	X																
ZZZZZZ			12:12																		
ZZZZZZ			12:16																		
ZZZZZZ			12:19																		
ZZZZZZ			12:23																		
ZZZZZZ			12:27																		
ZZZZZZ			12:30																		
ZZZZZZ			12:34																		
ZZZZZZ			12:38																		
CCV 460-134290/19			12:41																		
CCB 460-134290/20			12:45																		
ZZZZZZ			12:48																		
ZZZZZZ			12:52																		
ZZZZZZ			12:56																		
ZZZZZZ			12:59																		
ZZZZZZ			13:03																		
ZZZZZZ			13:07																		
ZZZZZZ			13:10																		
ZZZZZZ			13:14																		
ZZZZZZ			13:18																		
ZZZZZZ			13:21																		
CCV 460-134290/31			13:25																		
CCB 460-134290/32			13:29																		
ZZZZZZ			13:32																		
ZZZZZZ			13:36																		
ZZZZZZ			13:40																		
ZZZZZZ			13:43																		
ZZZZZZ			13:47																		
ZZZZZZ			13:51																		
ZZZZZZ			13:54																		
ZZZZZZ			13:58																		
ZZZZZZ			14:01																		
ZZZZZZ			14:05																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/02/2012 11:35 End Date: 11/02/2012 19:22

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCV 460-134290/43	1		14:08	X	X																
CCB 460-134290/44	1		14:12	X	X																
MB 460-134200/1-C	1	D	14:16	X	X																
ZZZZZZ			14:19																		
ZZZZZZ			14:23																		
ZZZZZZ			14:27																		
ZZZZZZ			14:30																		
ZZZZZZ			14:34																		
ZZZZZZ			14:38																		
ZZZZZZ			14:41																		
ZZZZZZ			14:45																		
ZZZZZZ			14:49																		
CCV 460-134290/55	1		14:52	X	X																
CCB 460-134290/56	1		14:56	X	X																
ZZZZZZ			15:00																		
ZZZZZZ			15:03																		
ZZZZZZ			15:07																		
460-46540-C-3-B DU	1	D	15:11	X	X																
ZZZZZZ			15:14																		
460-46540-C-3-A SD ^5	5	D	15:18	X	X																
460-46540-C-3-C MS	1	D	15:22	X	X																
460-46540-C-3-A PDS	1	D	15:25	X	X																
460-46388-1	1	D	15:29	X	X																
LCS 460-134211/2-A	1	T	15:33	X	X																
CCV 460-134290/67	1		15:36	X	X																
CCB 460-134290/68	1		15:40	X	X																
MB 460-134200/1-B	1	D	15:44	X	X																
460-46388-2	1	D	15:47	X	X																
460-46388-3	1	D	15:51	X	X																
ZZZZZZ			15:55																		
ZZZZZZ			15:58																		
ZZZZZZ			16:02																		
ZZZZZZ			16:06																		
ZZZZZZ			16:09																		
ZZZZZZ			16:13																		
ZZZZZZ			16:17																		
CCV 460-134290/79	1		16:20	X	X																
CCB 460-134290/80	1		16:24	X	X																
ZZZZZZ			16:27																		
ZZZZZZ			16:31																		
ZZZZZZ			16:35																		
ZZZZZZ			16:39																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/02/2012 11:35 End Date: 11/02/2012 19:22

Lab Sample ID	D / F	T y p e	Time	Analytes															
				V	Z n														
ZZZZZZ			16:42																
ZZZZZZ			16:46																
ZZZZZZ			16:50																
CCV 460-134290/88	1		16:54	X	X														
CCB 460-134290/89	1		16:57	X	X														
ZZZZZZ			17:10																
ZZZZZZ			17:14																
ZZZZZZ			17:17																
ZZZZZZ			17:21																
ZZZZZZ			17:24																
ZZZZZZ			17:28																
ZZZZZZ			17:31																
ZZZZZZ			17:35																
ZZZZZZ			17:38																
ZZZZZZ			17:42																
CCV 460-134290/100			17:46																
CCB 460-134290/101			17:49																
ZZZZZZ			17:53																
ZZZZZZ			17:57																
ZZZZZZ			18:00																
ZZZZZZ			18:04																
ZZZZZZ			18:07																
ZZZZZZ			18:11																
ZZZZZZ			18:15																
ZZZZZZ			18:18																
ZZZZZZ			18:22																
ZZZZZZ			18:25																
CCV 460-134290/112			18:29																
CCB 460-134290/113			18:32																
ZZZZZZ			18:36																
ZZZZZZ			18:40																
ZZZZZZ			18:43																
ZZZZZZ			18:47																
ZZZZZZ			18:50																
ZZZZZZ			18:54																
ZZZZZZ			18:58																
ZZZZZZ			19:01																
ZZZZZZ			19:05																
ZZZZZZ			19:08																
CCV 460-134290/124			19:12																
CCB 460-134290/125			19:15																
CCV 460-134290/126			19:19																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/02/2012 11:35 End Date: 11/02/2012 19:22

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCB 460-134290/127			19:22																		

Prep Types

D = Dissolved

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/27/2012 12:06 End Date: 11/27/2012 16:40

Lab Sample ID	D / F	T y p e	Time	Analytes															
				M n	S e	T l													
ZZZZZZ			12:06																
ZZZZZZ			12:10																
ZZZZZZ			12:13																
ZZZZZZ			12:17																
ZZZZZZ			12:20																
ZZZZZZ			12:24																
ICV 460-137149/7	1		12:28	X	X	X													
ICB 460-137149/8	1		12:31	X	X	X													
ICSA 460-137149/9	1		12:35	X	X	X													
ICSAB 460-137149/10	1		12:39	X	X	X													
ZZZZZZ			12:43																
ZZZZZZ			12:47																
ZZZZZZ			12:50																
ZZZZZZ			12:54																
ZZZZZZ			12:58																
ZZZZZZ			13:02																
ZZZZZZ			13:05																
ZZZZZZ			13:09																
CCV 460-137149/19			13:12																
CCB 460-137149/20			13:16																
ZZZZZZ			13:20																
ZZZZZZ			13:23																
ZZZZZZ			13:27																
ZZZZZZ			13:31																
ZZZZZZ			13:35																
ZZZZZZ			13:39																
ZZZZZZ			13:42																
ZZZZZZ			13:46																
ZZZZZZ			13:50																
ZZZZZZ			13:53																
CCV 460-137149/31	1		13:57	X	X	X													
CCB 460-137149/32	1		14:01	X	X	X													
ZZZZZZ			14:04																
460-46388-1	3	D	14:08	X	X	X													
460-46388-2	3	D	14:12	X	X	X													
ZZZZZZ			14:15																
ZZZZZZ			14:19																
ZZZZZZ			14:23																
ZZZZZZ			14:27																
ZZZZZZ			14:30																
ZZZZZZ			14:34																
ZZZZZZ			14:38																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010B

Start Date: 11/27/2012 12:06 End Date: 11/27/2012 16:40

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				M n	S e	T l															
CCV 460-137149/43	1		14:41	X	X	X															
CCB 460-137149/44	1		14:45	X	X	X															
ZZZZZZ			14:48																		
ZZZZZZ			14:52																		
ZZZZZZ			14:56																		
ZZZZZZ			15:00																		
ZZZZZZ			15:03																		
ZZZZZZ			15:07																		
ZZZZZZ			15:11																		
ZZZZZZ			15:15																		
ZZZZZZ			15:19																		
ZZZZZZ			15:22																		
CCV 460-137149/55			15:26																		
CCB 460-137149/56			15:30																		
ZZZZZZ			15:34																		
ZZZZZZ			15:37																		
ZZZZZZ			15:41																		
ZZZZZZ			15:45																		
ZZZZZZ			15:49																		
ZZZZZZ			15:52																		
ZZZZZZ			15:56																		
ZZZZZZ			16:00																		
ZZZZZZ			16:03																		
ZZZZZZ			16:07																		
CCV 460-137149/67			16:10																		
CCB 460-137149/68			16:14																		
ZZZZZZ			16:18																		
ZZZZZZ			16:21																		
ZZZZZZ			16:25																		
ZZZZZZ			16:29																		
ZZZZZZ			16:32																		
CCV 460-137149/74			16:36																		
CCB 460-137149/75			16:40																		

Prep Types

D = Dissolved

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: LEEMAN5 Method: 7470A

Start Date: 10/26/2012 19:51 End Date: 10/26/2012 22:11

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
IC 460-133766/1-A			19:51	X															
IC 460-133766/2-A			19:53	X															
IC 460-133766/3-A			19:55	X															
IC 460-133766/4-A			19:57	X															
IC 460-133766/5-A			19:59	X															
IC 460-133766/6-A			20:01	X															
ICV 460-133766/7-A	1		20:02	X															
ICB 460-133790/8	1		20:05	X															
ZZZZZZ			20:06																
MB 460-133760/1-B	1	D	20:08	X															
LCS 460-133766/12-A	1	T	20:10	X															
ZZZZZZ			20:12																
460-46192-E-4-K DU	1	D	20:14	X															
ZZZZZZ			20:16																
460-46192-E-4-L MS	1	D	20:18	X															
ZZZZZZ			20:20																
ZZZZZZ			20:21																
ZZZZZZ			20:23																
CCV 460-133766/8-A	1		20:25	X															
CCB 460-133766/9-A	1		20:27	X															
ZZZZZZ			20:29																
ZZZZZZ			20:31																
ZZZZZZ			20:34																
ZZZZZZ			20:36																
ZZZZZZ			20:39																
ZZZZZZ			20:40																
ZZZZZZ			20:42																
460-46388-1	1	D	20:44	X															
460-46388-2	1	D	20:46	X															
460-46388-3	1	D	20:48	X															
CCV 460-133766/8-A	1		20:50	X															
CCB 460-133766/9-A	1		20:53	X															
ZZZZZZ			20:55																
ZZZZZZ			20:56																
ZZZZZZ			20:59																
ZZZZZZ			21:01																
ZZZZZZ			21:03																
ZZZZZZ			21:05																
460-46192-E-4-J SD ^5	5	D	21:07	X															
CCV 460-133766/8-A	1		21:08	X															
CCB 460-133766/9-A	1		21:10	X															
MB 460-133767/10-A	1	T	21:12	X															

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Instrument ID: LEEMAN5 Method: 7470A

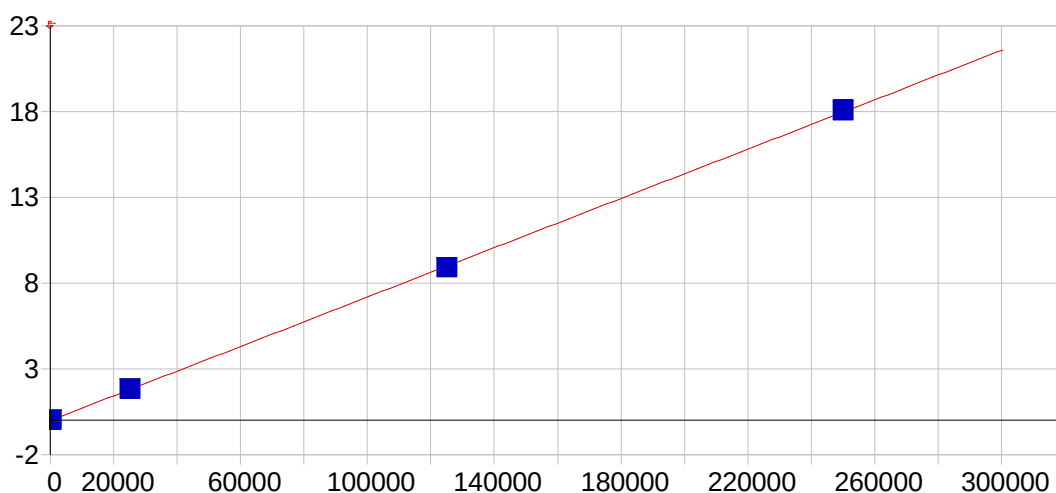
Start Date: 10/26/2012 19:51 End Date: 10/26/2012 22:11

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
LCS 460-133767/11-A	1	T	21:16	X																	
ZZZZZZ			21:18																		
460-46427-I-1-B DU	1	T	21:20	X																	
460-46427-I-1-C MS	1	T	21:21	X																	
ZZZZZZ			21:24																		
ZZZZZZ			21:26																		
460-46388-1	1	T	21:28	X																	
CCV 460-133766/8-A	1		21:30	X																	
CCB 460-133766/9-A	1		21:31	X																	
460-46388-2	1	T	21:33	X																	
460-46388-3	1	T	21:36	X																	
ZZZZZZ			21:37																		
ZZZZZZ			21:40																		
ZZZZZZ			21:41																		
ZZZZZZ			21:43																		
ZZZZZZ			21:45																		
ZZZZZZ			21:47																		
CCV 460-133766/8-A	1		21:49	X																	
CCB 460-133766/9-A	1		21:50	X																	
ZZZZZZ			21:52																		
ZZZZZZ			21:55																		
ZZZZZZ			21:57																		
ZZZZZZ			22:00																		
ZZZZZZ			22:01																		
ZZZZZZ			22:03																		
ZZZZZZ			22:06																		
460-46427-I-1-A SD ^5	5	T	22:08	X																	
CCV 460-133766/8-A	1		22:09	X																	
CCB 460-133766/9-A	1		22:11	X																	

Prep Types

D = Dissolved

T = Total/NA

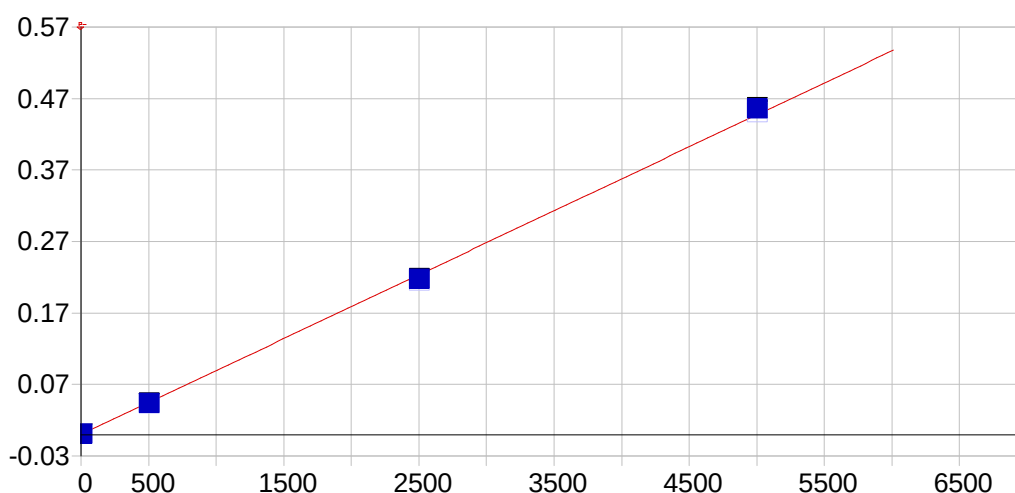


AI 396.152 { 85}

Date of Fit: 11/28/2012 14:55:25 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000322 Re-Slope: 1.000000
 A1 (Gain): 0.000072 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999964 Status: OK.
 Std Error of Est: 0.000222
 Predicted MDL: 26.916122
 Predicted MQL: 89.720406

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.03803	-.038	.000	-.00032	.002	1
DCAL2	200.00	236.66	36.7	18.3	.01666	.001	1
DCAL3	25000.	25342.	342.	1.37	1.8223	.009	1
DCAL4	125000.	123680.	-1320.	-1.05	8.8953	.017	1
DCAL5	250000.	250940.	938.	.375	18.047	.028	1



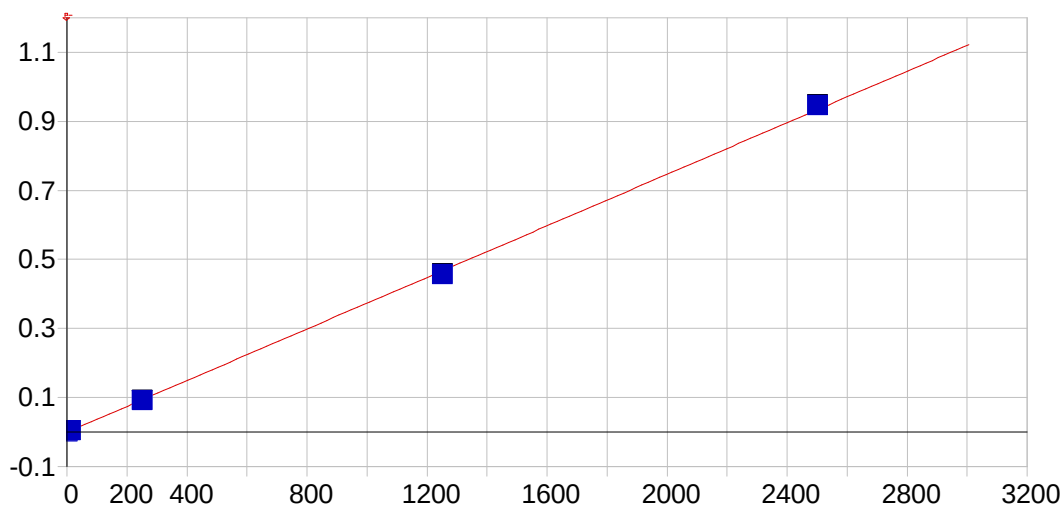
As 189.042 (478)

Date of Fit: 11/28/2012 14:55:25 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000021 Re-Slope: 1.000000
 A1 (Gain): 0.000089 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999728 Status: OK.
 Std Error of Est: 0.000017

Predicted MDL: 3.155935
 Predicted MQL: 10.519784

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00086	.001	.000	.00002	.000	1
DCAL2	5.0000	4.3547	-.645	-12.9	.00040	.000	1
DCAL3	500.00	483.94	-16.1	-3.21	.04280	.000	1
DCAL4	2500.0	2427.8	-72.2	-2.89	.21463	.001	1
DCAL5	5000.0	5088.9	88.9	1.78	.45011	.002	1

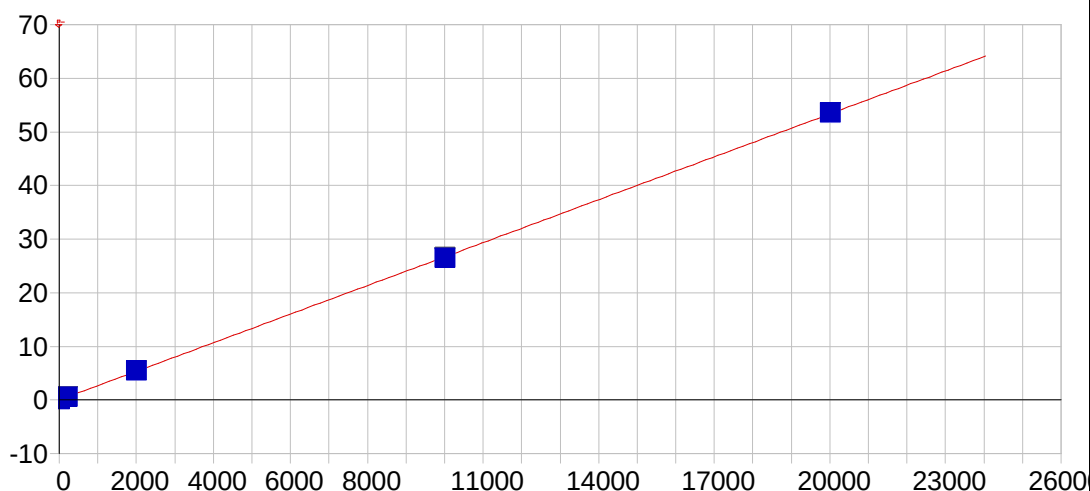


Ag 328.068 (103)

Date of Fit: 11/28/2012 14:55:25 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000104 Re-Slope: 1.000000
 A1 (Gain): 0.000373 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999826 Status: OK.
 Std Error of Est: 0.000057
 Predicted MDL: 1.051600
 Predicted MQL: 3.505333

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00103	.001	.000	-.00010	.000	1
DCAL2	10.000	9.3052	-.695	-6.95	.00335	.000	1
DCAL3	250.00	243.75	-6.25	-2.50	.09064	.001	1
DCAL4	1250.0	1221.1	-28.9	-2.31	.45451	.002	1
DCAL5	2500.0	2535.8	35.8	1.43	.94404	.002	1

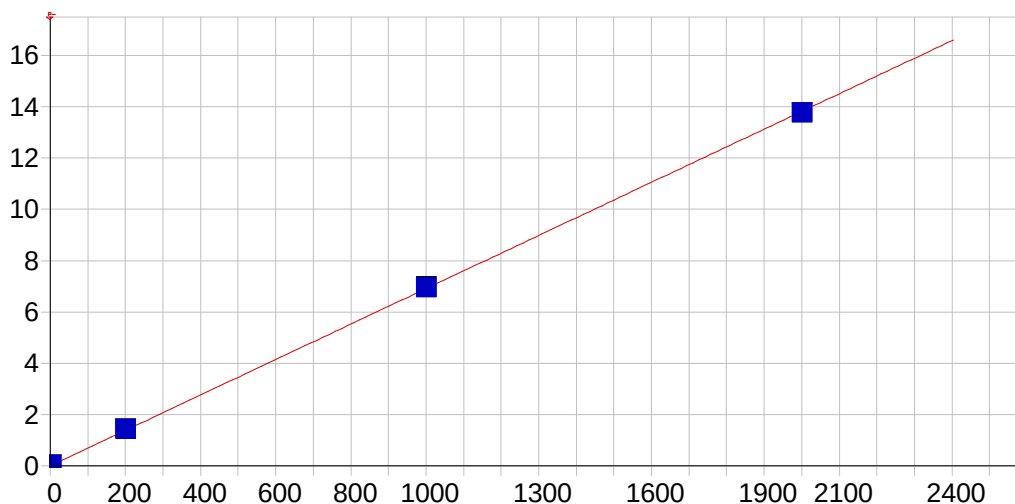


Ba 233.527 {445}

Date of Fit: 11/28/2012 14:55:25 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000212 Re-Slope: 1.000000
 A1 (Gain): 0.002668 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999971 Status: OK.
 Std Error of Est: 0.002106
 Predicted MDL: 0.201717
 Predicted MQL: 0.672388

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00692	-.007	.000	-.00023	.000	1
DCAL2	200.00	204.45	4.45	2.22	.54498	.002	1
DCAL3	2000.0	2038.4	38.4	1.92	5.4315	.007	1
DCAL4	10000.	9905.2	-94.8	-.948	26.393	.113	1
DCAL5	20000.	20052.	51.9	.260	53.431	.057	1



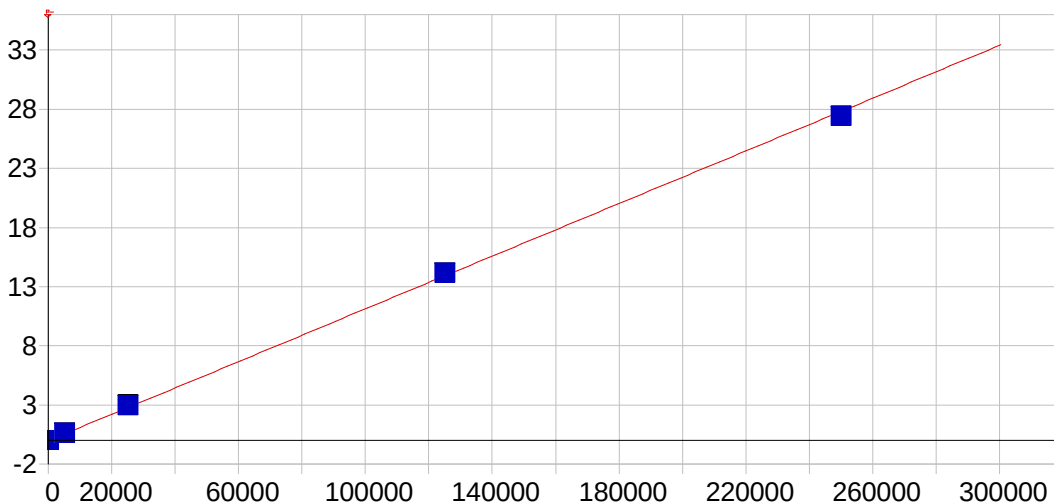
Be 313.042 {108}

Date of Fit: 11/28/2012 14:55:25 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000603 Re-Slope: 1.000000
 A1 (Gain): 0.006909 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999965 Status: OK.
 Std Error of Est: 0.000190
 Predicted MDL: 0.225140

Predicted MQL: 0.750467

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00002	.000	.000	.00060	.000	1
DCAL2	2.0000	1.9599	-.040	-2.01	.01417	.002	1
DCAL3	200.00	205.88	5.88	2.94	1.4236	.007	1
DCAL4	1000.0	1003.3	3.32	.332	6.9352	.036	1
DCAL5	2000.0	1990.8	-9.16	-.458	13.761	.007	1

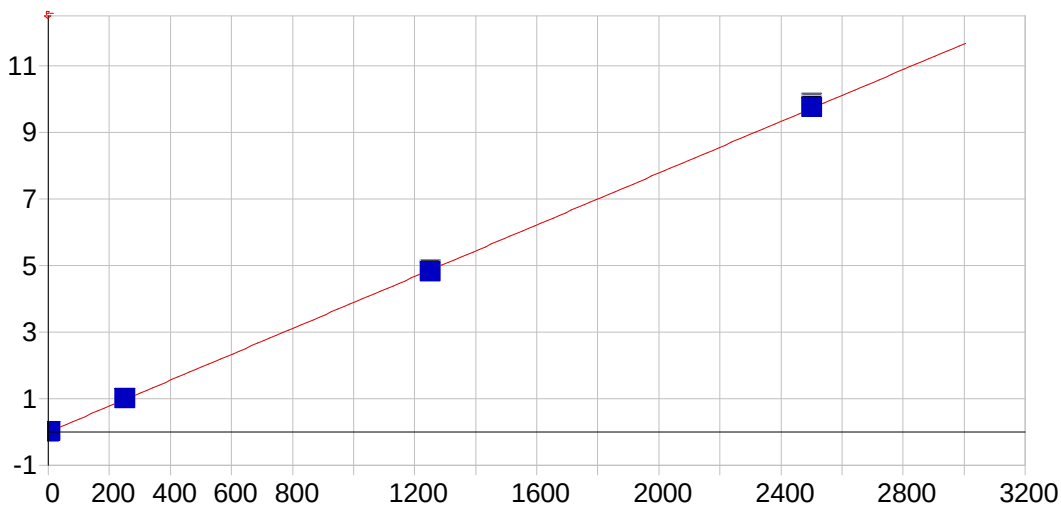


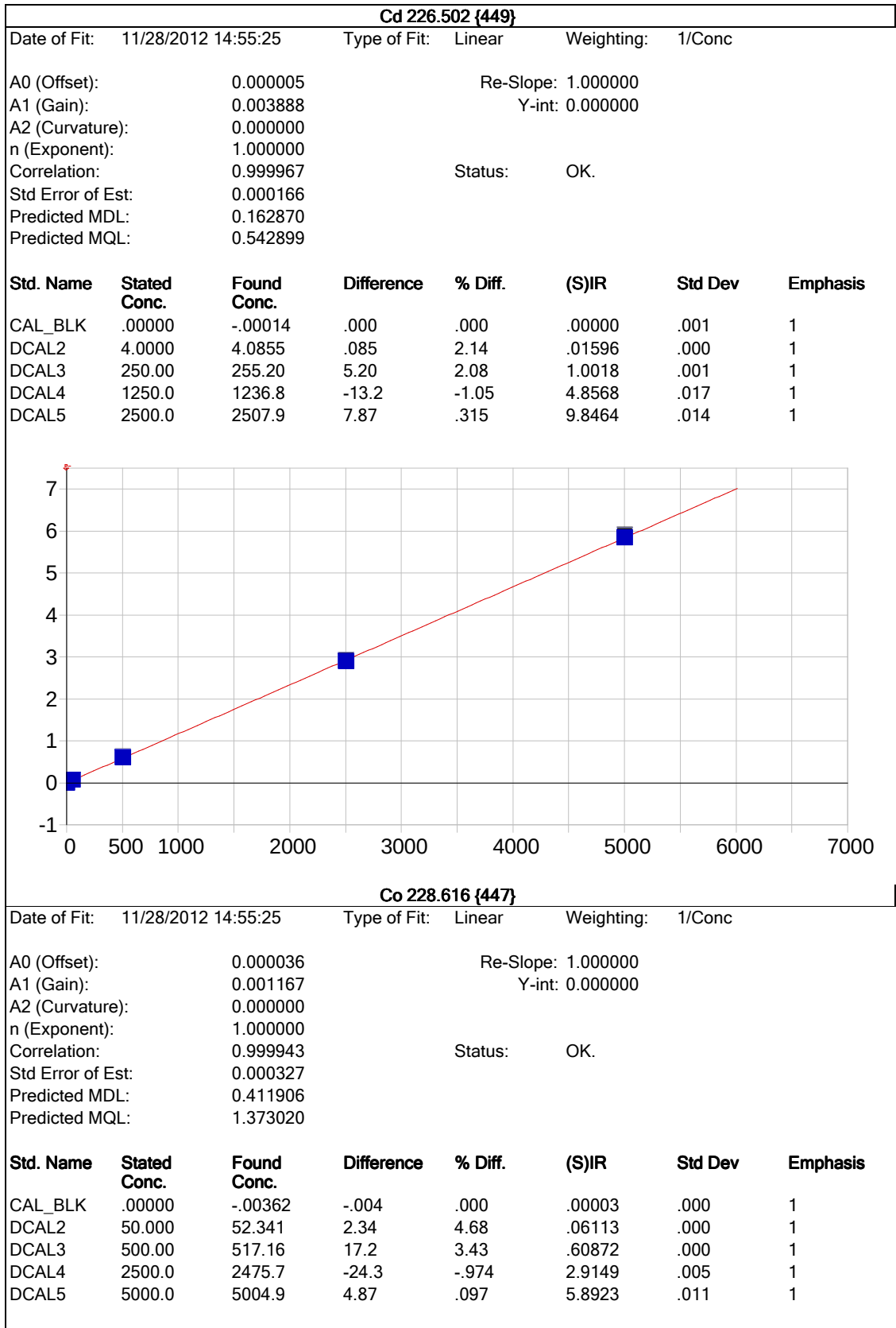
Ca 422.673 { 80}

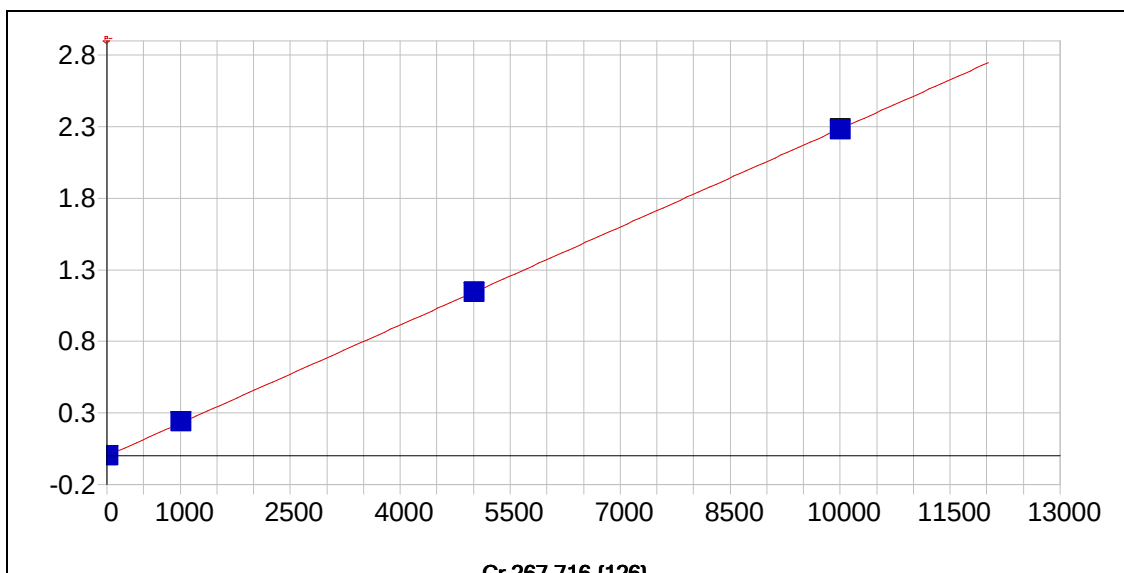
Date of Fit: 11/28/2012 14:55:25 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.016499 Re-Slope: 1.000000
 A1 (Gain): 0.000111 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999728 Status: OK.
 Std Error of Est: 0.004769
 Predicted MDL: 21.092333
 Predicted MQL: 70.307776

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.62675	-.627	.000	-.01657	.003	1
DCAL2	5000.0	5298.7	299.	5.97	.57352	.002	1
DCAL3	25000.	26629.	1630.	6.51	2.9486	.012	1
DCAL4	125000.	127040.	2040.	1.63	14.130	.025	1
DCAL5	250000.	246030.	-3970.	-1.59	27.379	.038	1



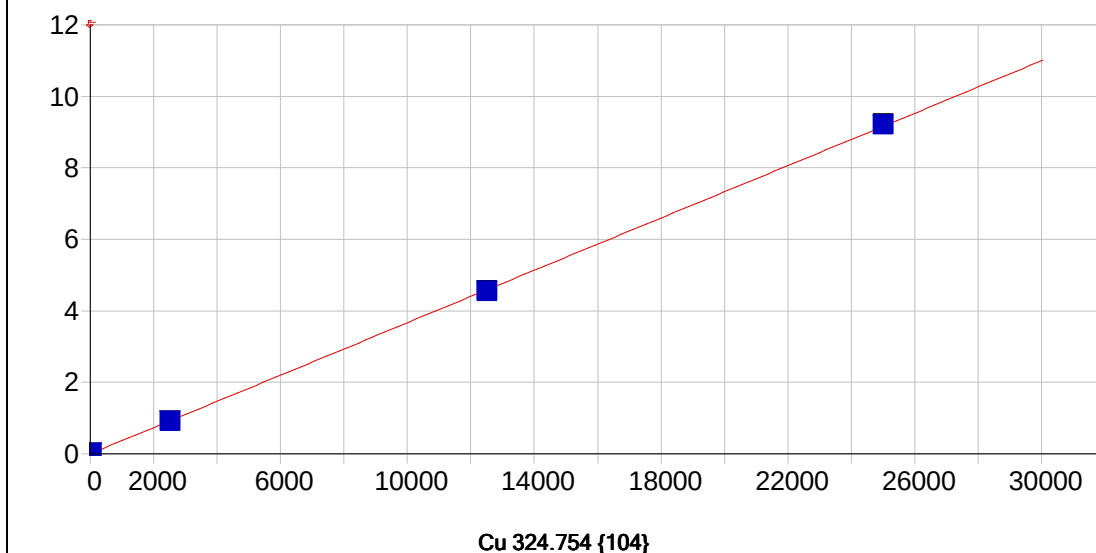




Date of Fit: 11/28/2012 14:55:25 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000001 Re-Slope: 1.000000
 A1 (Gain): 0.000229 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999961 Status: OK.
 Std Error of Est: 0.000033
 Predicted MDL: 0.754672
 Predicted MQL: 2.515572

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00025	.000	.000	.00000	.000	1
DCAL2	10.000	9.9471	-.053	-.529	.00230	.000	1
DCAL3	1000.0	1033.9	33.9	3.39	.23634	.000	1
DCAL4	5000.0	4992.9	-7.13	-.143	1.1413	.002	1
DCAL5	10000.	9973.2	-26.8	-.268	2.2797	.004	1

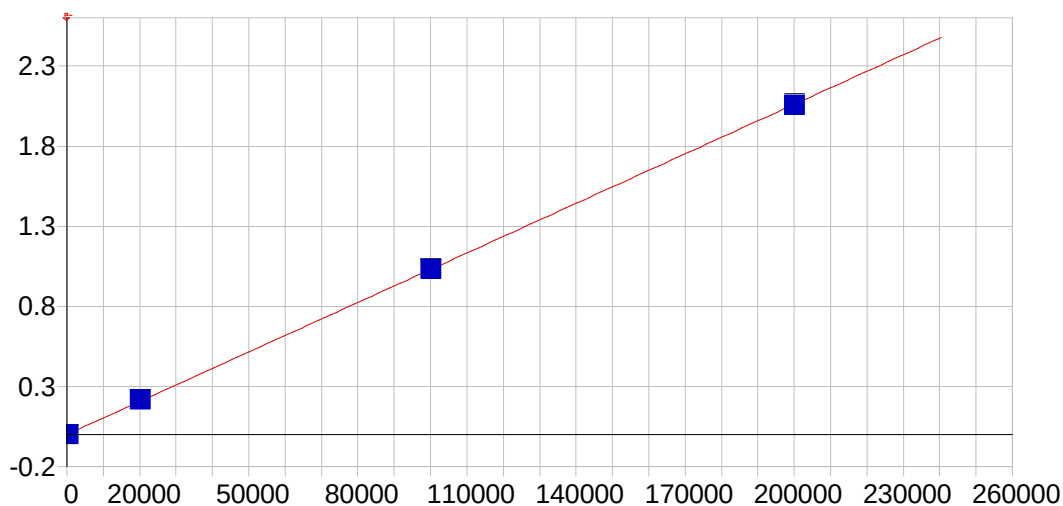


Date of Fit: 11/28/2012 14:55:25 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003945 Re-Slope: 1.000000
 A1 (Gain): 0.000366 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999979 Status: OK.
 Std Error of Est: 0.000058
 Predicted MDL: 0.848615

Predicted MQL: 2.828718

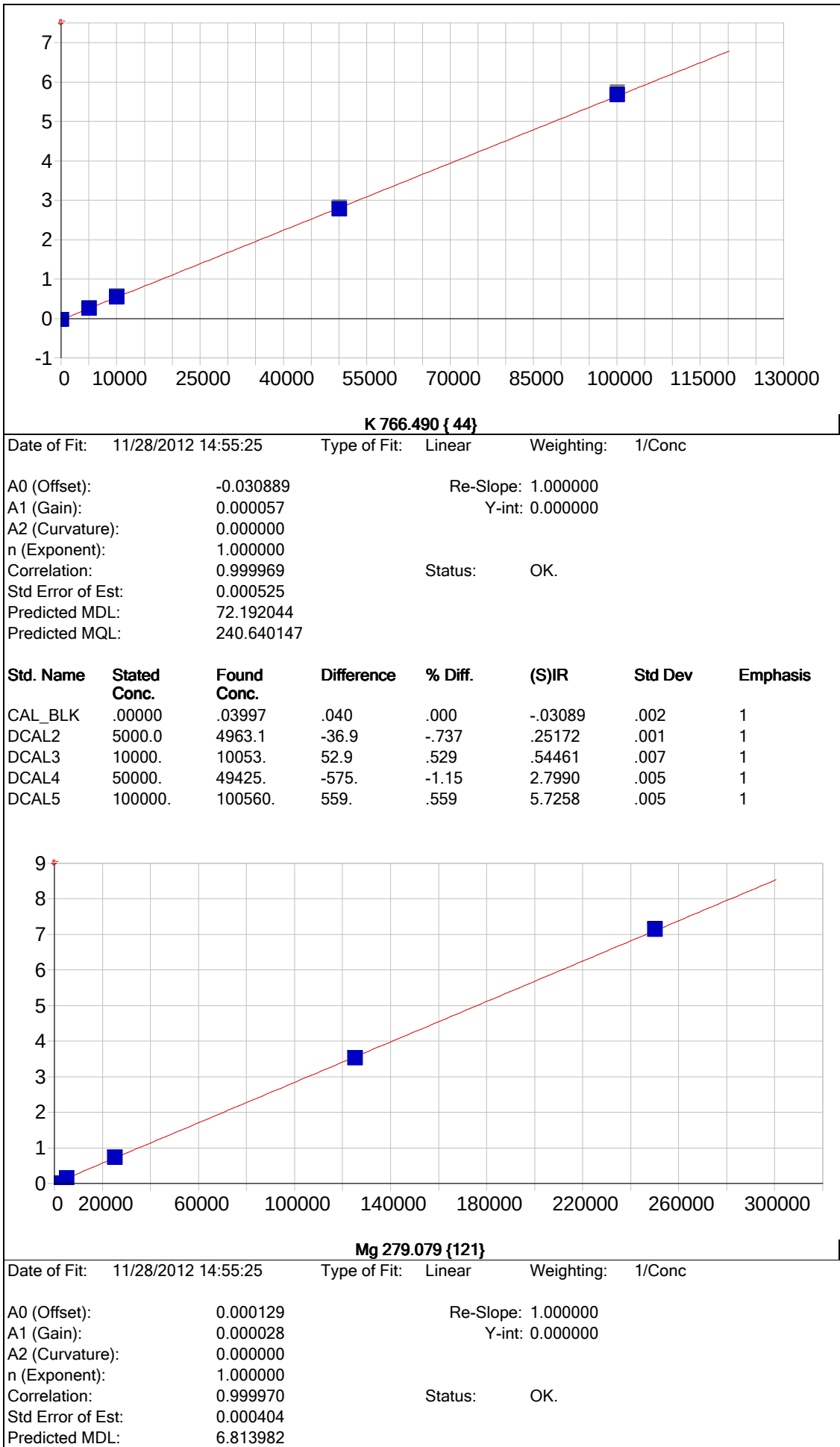
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00105	.001	.000	.00395	.000	1
DCAL1	10.000	8.9865	-1.01	-10.1	.00723	.000	1
DCAL2	25.000	25.072	.072	.288	.01312	.000	1
DCAL3	2500.0	2493.9	-6.10	-.244	.91659	.002	1
DCAL4	12500.	12388.	-112.	-.898	4.5372	.010	1
DCAL5	25000.	25119.	119.	.477	9.1964	.018	1



Date of Fit: 11/28/2012 14:55:25 Type of Fit: Linear Weighting: 1/Conc

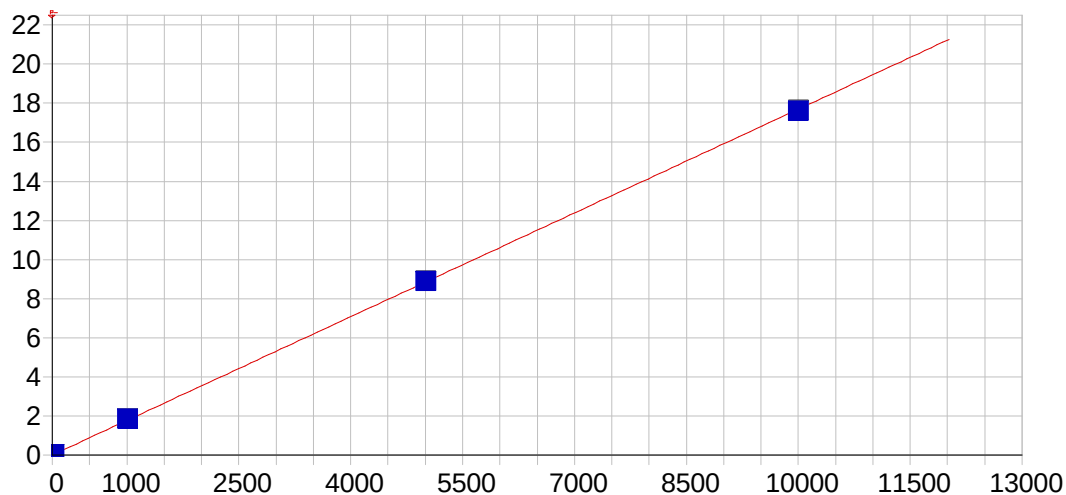
A0 (Offset): -0.000046 Re-Slope: 1.000000
A1 (Gain): 0.000010 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999936 Status: OK.
Std Error of Est: 0.000026
Predicted MDL: 17.927851
Predicted MQL: 59.759503

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.02408	-.024	.000	-.00005	.000	1
DCAL1	100.00	114.47	14.5	14.5	.00113	.000	1
DCAL2	150.00	158.79	8.79	5.86	.00162	.000	1
DCAL3	20000.	20845.	845.	4.22	.21519	.001	1
DCAL4	100000.	99912.	-88.1	-.088	1.0317	.002	1
DCAL5	200000.	199220.	-780.	-.390	2.0571	.004	1



Predicted MQL: 22.713273

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.14948	-.149	.000	.00012	.000	1
DCAL2	5000.0	5118.3	118.	2.37	.14555	.000	1
DCAL3	25000.	25333.	333.	1.33	.71988	.002	1
DCAL4	125000.	123680.	-1320.	-1.06	3.5139	.011	1
DCAL5	250000.	250870.	873.	.349	7.1277	.018	1

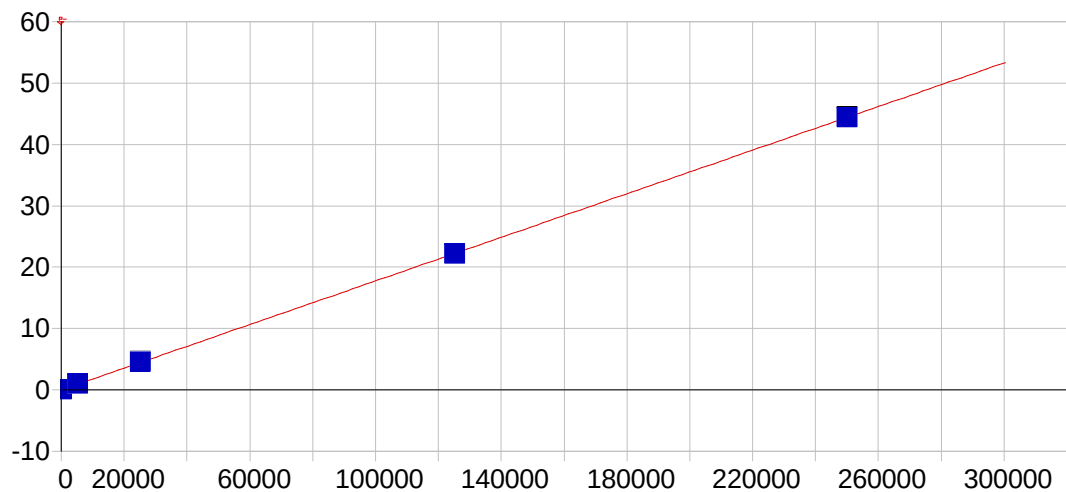


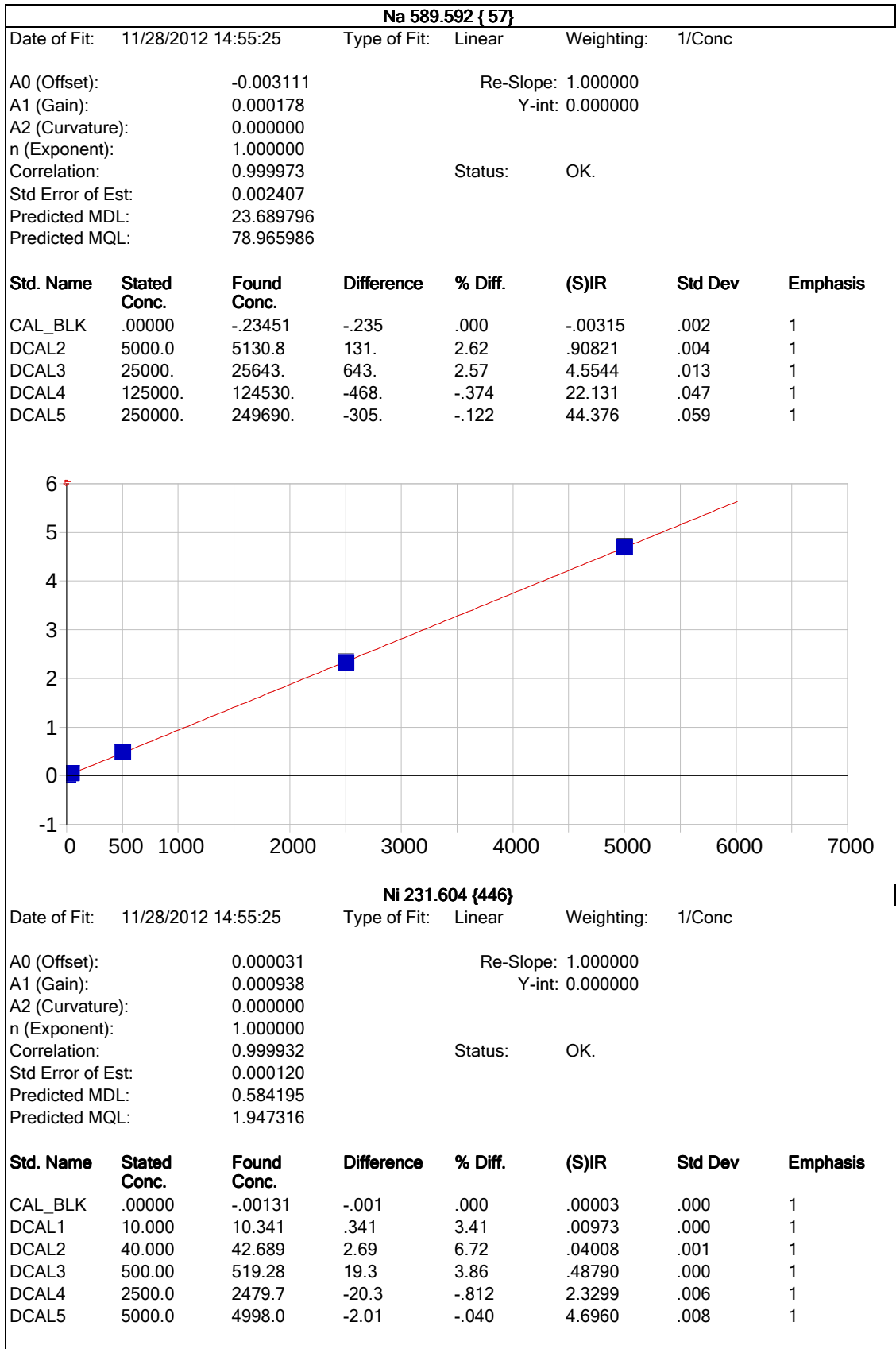
Mn 257.610 {131}

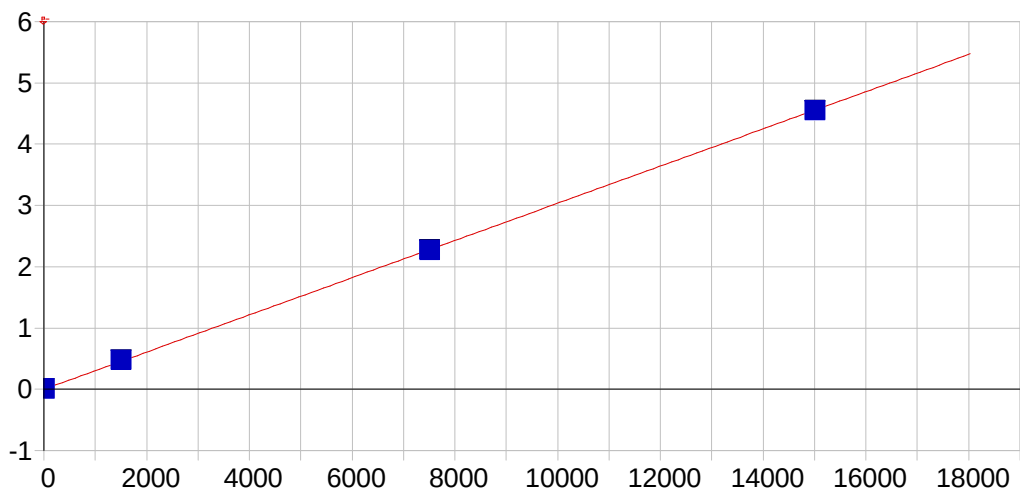
Date of Fit: 11/28/2012 14:55:25 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000215 Re-Slope: 1.000000
A1 (Gain): 0.001769 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999931 Status: OK.
Std Error of Est: 0.000414
Predicted MDL: 0.116122
Predicted MQL: 0.387073

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00163	-.002	.000	.00021	.000	1
DCAL2	15.000	16.046	1.05	6.98	.02861	.000	1
DCAL3	1000.0	1041.6	41.6	4.16	1.8431	.005	1
DCAL4	5000.0	5015.9	15.9	.318	8.8746	.016	1
DCAL5	10000.	9941.5	-58.5	-.585	17.589	.023	1





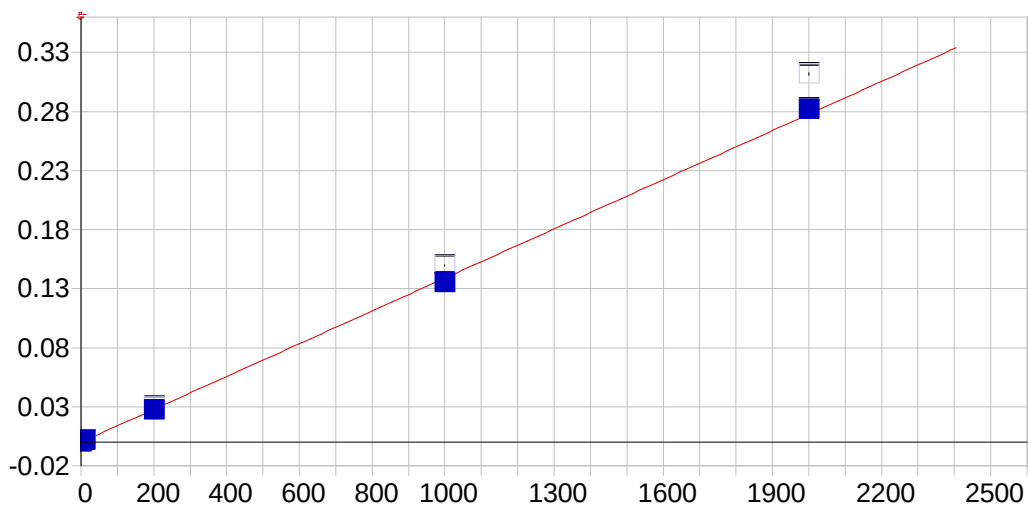


Pb 220.353 (453)

Date of Fit: 11/28/2012 14:55:25 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000115 Re-Slope: 1.000000
 A1 (Gain): 0.000304 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999896 Status: OK.
 Std Error of Est: 0.000062
 Predicted MDL: 2.007946
 Predicted MQL: 6.693153

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00330	-.003	.000	.00011	.000	1
DCAL2	5.0000	8.1200	3.12	62.4	.00258	.000	1
DCAL3	1500.0	1564.8	64.8	4.32	.47451	.000	1
DCAL4	7500.0	7464.0	-36.0	-.479	2.2628	.008	1
DCAL5	15000.	14968.	-32.0	-.213	4.5376	.004	1



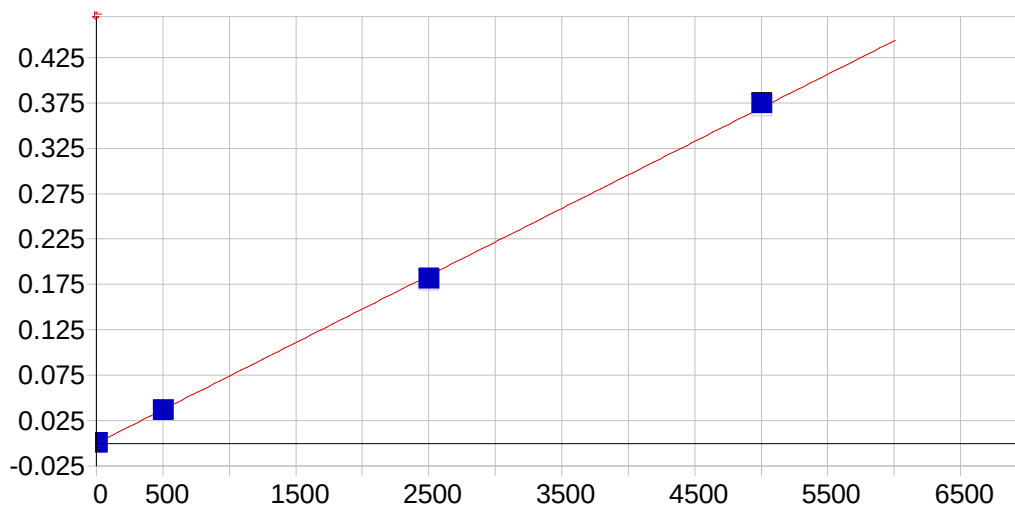
Sb 206.833 (463)

Date of Fit: 11/28/2012 14:55:25 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000051 Re-Slope: 1.000000
 A1 (Gain): 0.000139 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999827 Status: OK.
 Std Error of Est: 0.000021
 Predicted MDL: 2.886697

Predicted MQL: 9.622322

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00037	.000	.000	.00005	.000	1
DCAL2	10.000	9.9814	-.019	-.186	.00142	.000	1
DCAL3	200.00	195.28	-4.72	-2.36	.03012	.000	1
DCAL4	1000.0	972.85	-27.1	-2.71	.14990	.001	1
DCAL5	2000.0	2031.9	31.9	1.59	.31172	.001	1

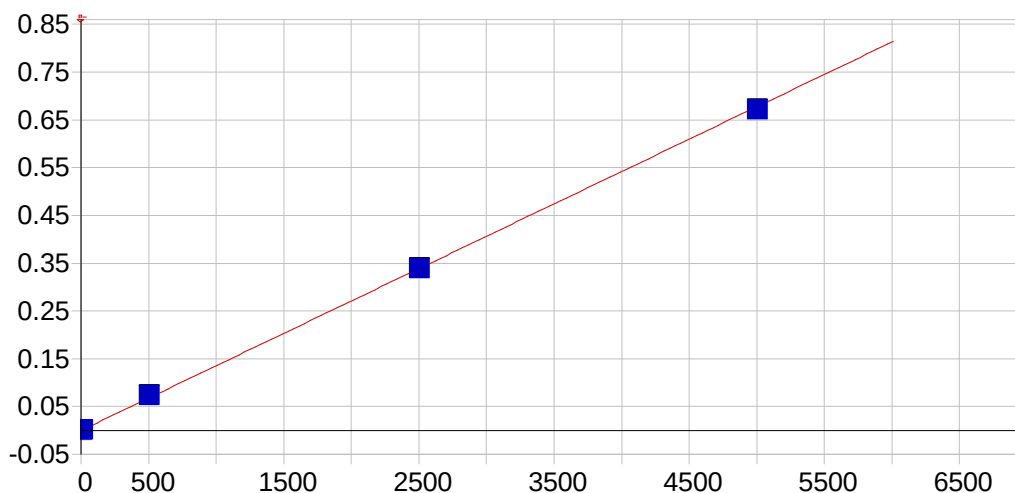


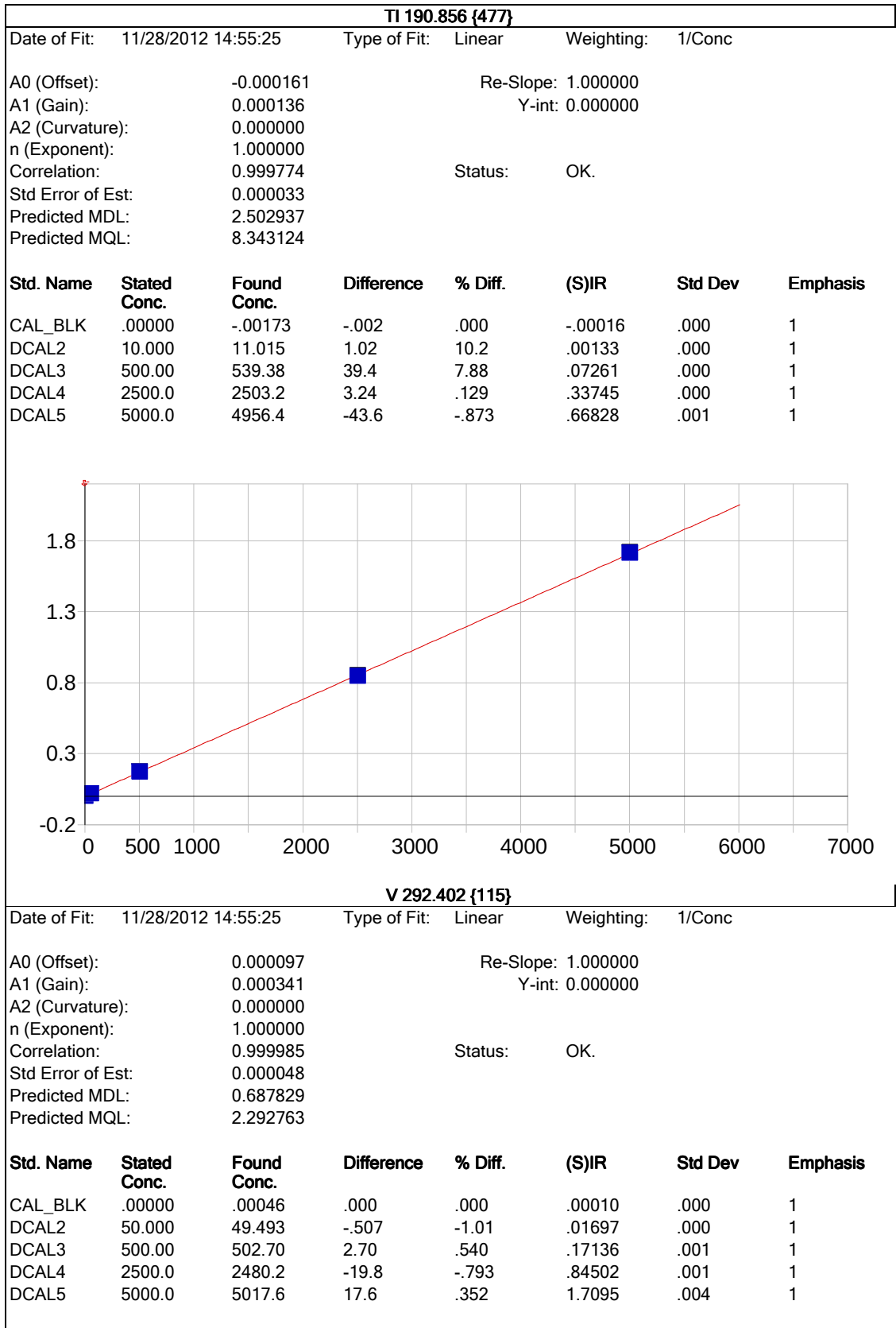
Se 196.090 (472)

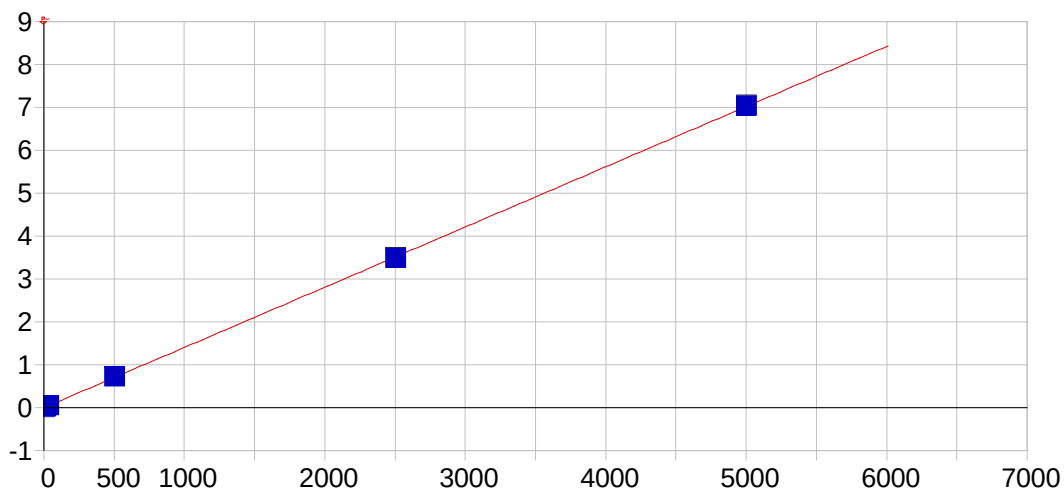
Date of Fit: 11/28/2012 14:55:25 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000160 Re-Slope: 1.000000
 A1 (Gain): 0.000074 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999845 Status: OK.
 Std Error of Est: 0.000011
 Predicted MDL: 4.315719
 Predicted MQL: 14.385730

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00108	-.001	.000	.00016	.000	1
DCAL2	5.0000	6.2191	1.22	24.4	.00062	.000	1
DCAL3	500.00	490.59	-9.41	-1.88	.03603	.000	1
DCAL4	2500.0	2445.8	-54.2	-2.17	.17896	.000	1
DCAL5	5000.0	5062.4	62.4	1.25	.37038	.001	1





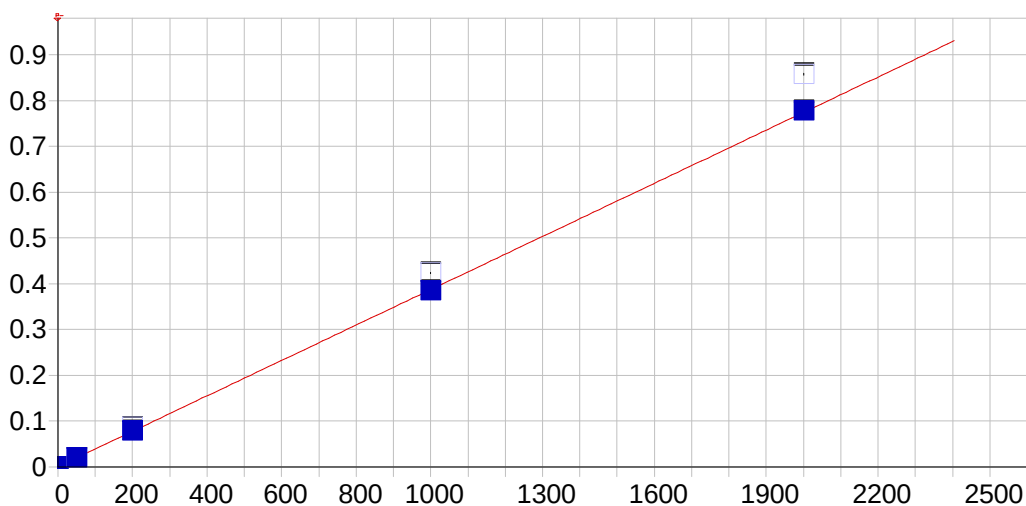


Zn 206.200 (463)

Date of Fit: 11/28/2012 14:55:25 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000127 Re-Slope: 1.000000
 A1 (Gain): 0.001404 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999970 Status: OK.
 Std Error of Est: 0.000119
 Predicted MDL: 0.274999
 Predicted MQL: 0.916664

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00013	.000	.000	.00013	.000	1
DCAL2	30.000	30.266	.266	.886	.04260	.000	1
DCAL3	500.00	510.84	10.8	2.17	.71658	.001	1
DCAL4	2500.0	2476.9	-23.1	-.926	3.4738	.013	1
DCAL5	5000.0	5012.1	12.1	.243	7.0295	.007	1
DCAL1	10.000	9.8947	-.105	-1.05	.01402	.000	1



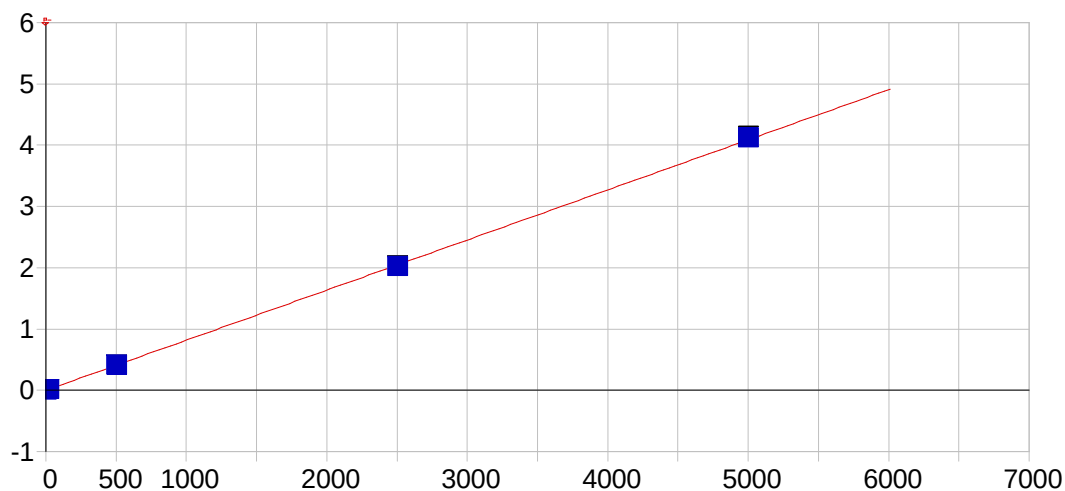
B 208.959 (461)

Date of Fit: 11/28/2012 14:55:25 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000552 Re-Slope: 1.000000
 A1 (Gain): 0.000387 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999976 Status: OK.
 Std Error of Est: 0.000049

Predicted MDL: 0.967505
 Predicted MQL: 3.225018

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00143	.001	.000	.00055	.000	1
DCAL2	50.000	48.242	-1.76	-3.52	.01953	.000	1
DCAL3	200.00	202.24	2.24	1.12	.08679	.000	1
DCAL4	1000.0	991.41	-8.59	-.859	.42407	.002	1
DCAL5	2000.0	2008.0	7.97	.399	.85732	.002	1

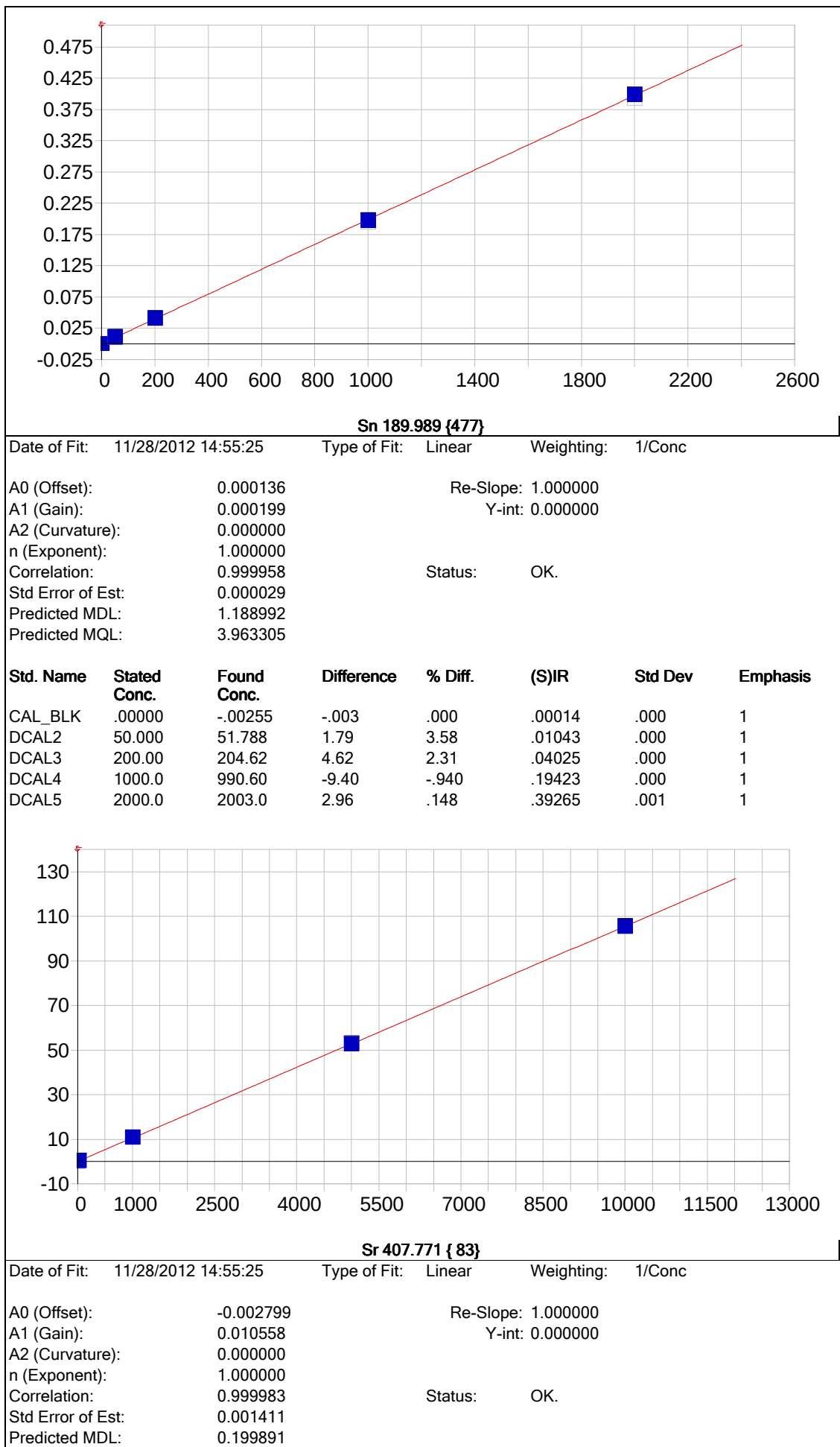


Mo 202.030 (467)

Date of Fit: 11/28/2012 14:55:25 Type of Fit: Linear Weighting: 1/Conc

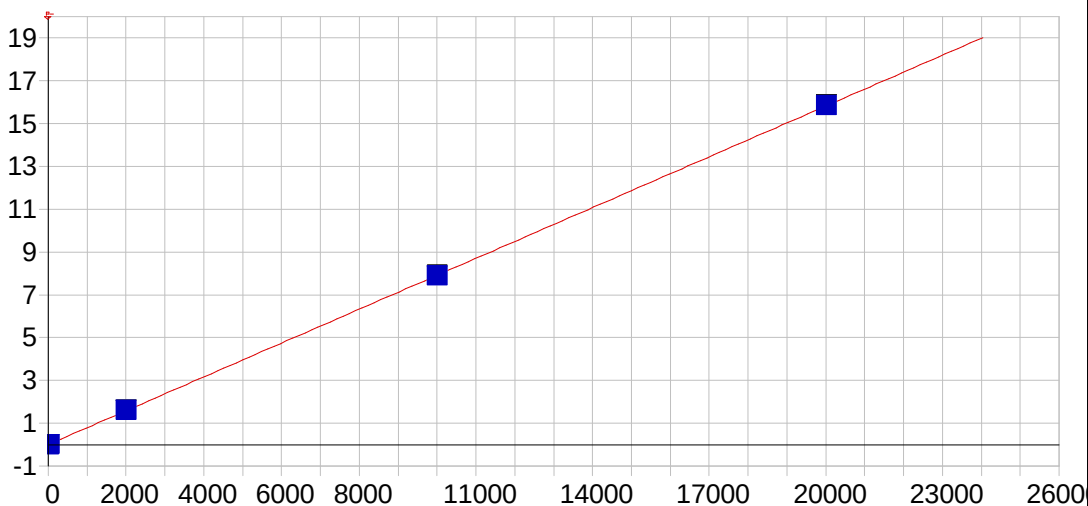
A0 (Offset): -0.000176 Re-Slope: 1.000000
 A1 (Gain): 0.000818 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999956 Status: OK.
 Std Error of Est: 0.000125
 Predicted MDL: 0.499247
 Predicted MQL: 1.664155

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00012	.000	.000	-.00018	.000	1
DCAL2	20.000	20.003	.003	.014	.01621	.000	1
DCAL3	500.00	500.38	.383	.077	.40955	.002	1
DCAL4	2500.0	2465.6	-34.4	-1.38	2.0188	.014	1
DCAL5	5000.0	5034.0	34.0	.681	4.1218	.023	1



Predicted MQL: 0.666304

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00106	-.001	.000	-.00281	.001	1
DCAL2	20.000	20.680	.680	3.40	.21576	.002	1
DCAL3	1000.0	1021.9	21.9	2.19	10.788	.061	1
DCAL4	5000.0	4991.8	-8.22	-.164	52.707	.192	1
DCAL5	10000.	9985.6	-14.4	-.144	105.44	.013	1

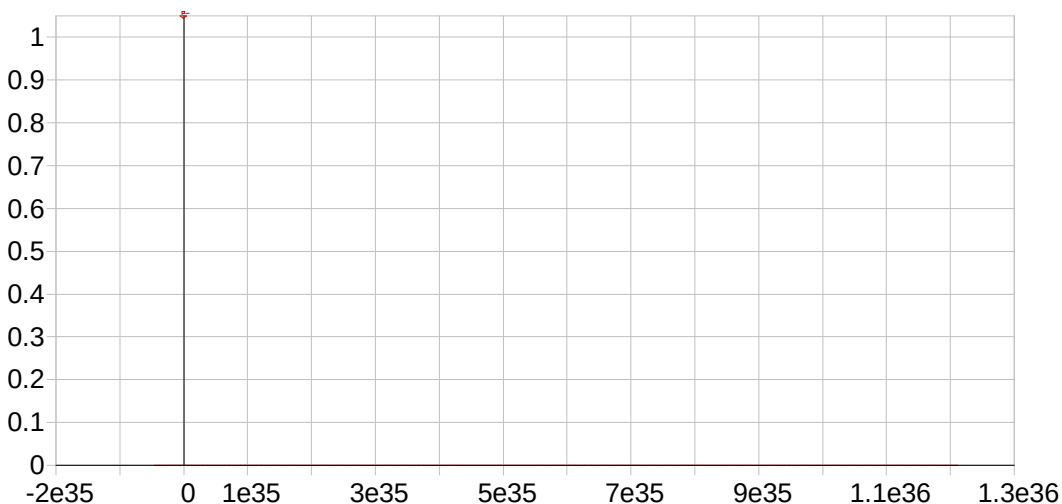


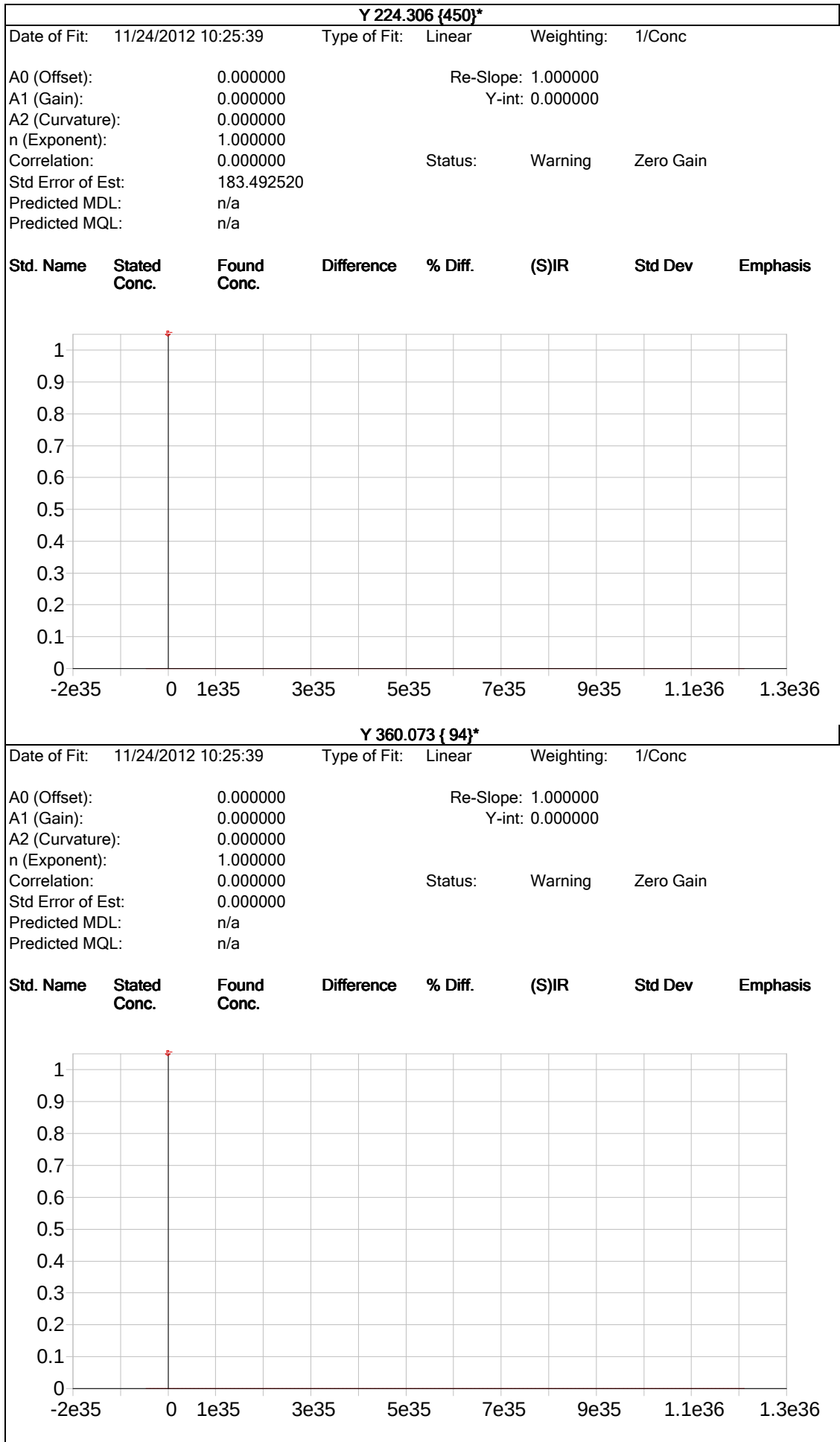
Ti 334.941 {101}

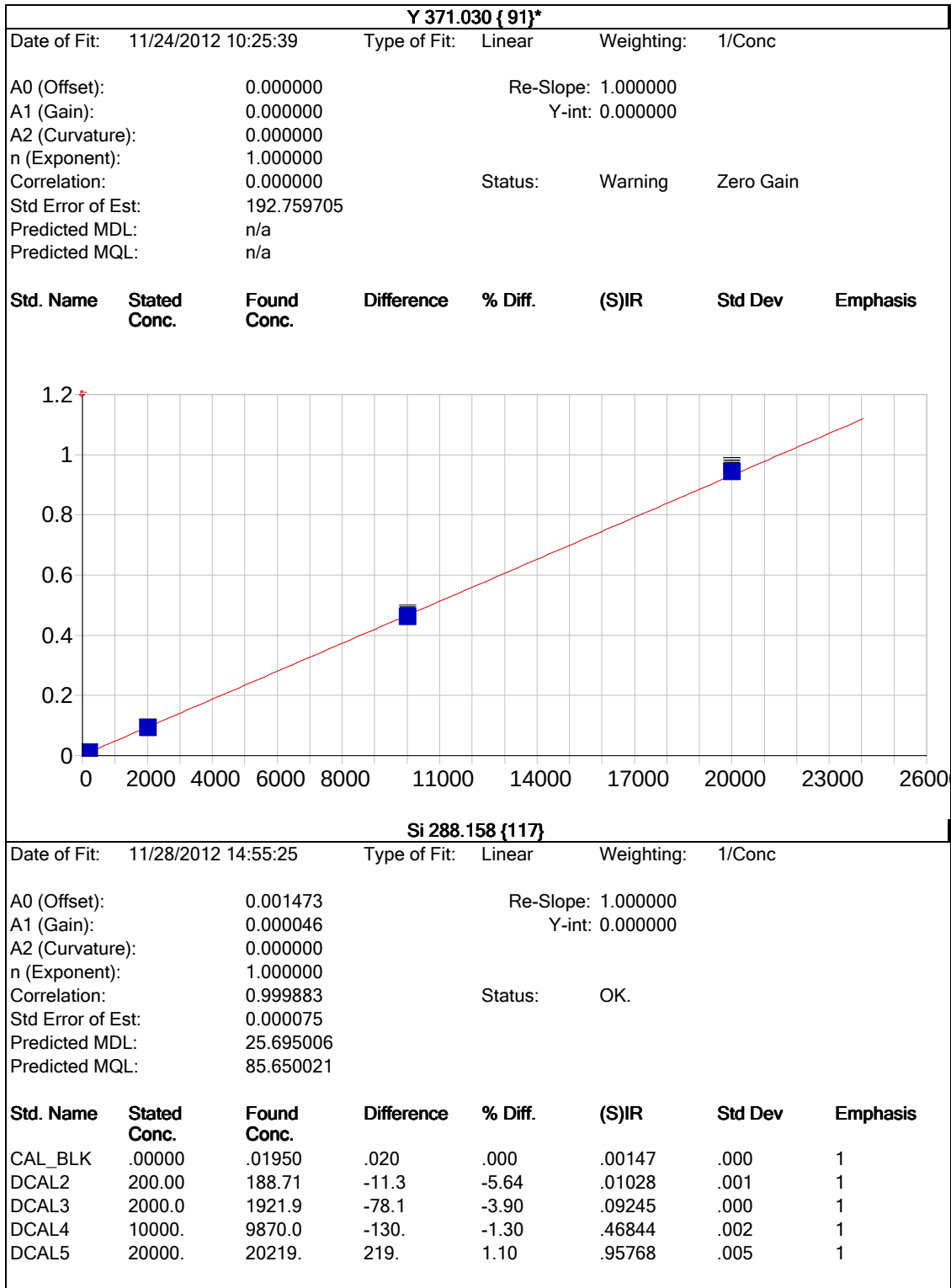
Date of Fit: 11/28/2012 14:55:25 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000678 Re-Slope: 1.000000
 A1 (Gain): 0.000791 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999989 Status: OK.
 Std Error of Est: 0.000121
 Predicted MDL: 2.203086
 Predicted MQL: 7.343621

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00175	-.002	.000	.00068	.001	1
DCAL2	20.000	21.591	1.59	7.95	.01802	.001	1
DCAL3	2000.0	2023.4	23.4	1.17	1.6012	.012	1
DCAL4	10000.	9948.1	-51.9	-.519	7.8699	.030	1
DCAL5	20000.	20027.	26.9	.134	15.842	.023	1







Sample Name: mb 460-136863/1-a Acquired: 11/28/2012 16:58:21 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.477	-1.441	-.9569	.1385	.2337	3.983
Stddev	8.064	.859	.1468	.1210	.1364	8.184
%RSD	546.1	59.59	15.34	87.43	58.38	205.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0094	.2474	-.2992	-.7866	15.12	106.7
Stddev	.0661	.3121	.3925	.5506	2.20	67.8
%RSD	702.4	126.2	131.2	70.00	14.53	63.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3949	-.0230	-17.13	.4488	.9539	-.1391
Stddev	2.296	.1267	4.39	.2897	.8419	.6893
%RSD	581.4	550.6	25.64	64.54	88.26	495.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-1.749	-1.430	-.2971	.0864	.4105	.0262
Stddev	4.395	.817	.5923	.1981	.6543	.1278
%RSD	251.3	57.13	199.4	229.2	159.4	488.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-136863/1-a Acquired: 11/28/2012 16:58:21 Type: QC
Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.2644	-.0123	-.2286	16.12
Stddev	.3603	.0782	2.187	46.45
%RSD	136.3	634.4	956.9	288.1

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	1589.7	17003.	1441.4
Stddev	4.0	38.	8.1
%RSD	.25203	.22381	.56466

Sample Name: lcs 460-136863/2-a Acquired: 11/28/2012 17:02:05 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1009.	F 929.8	F 22.57	F 974.3	F 23.75	F 10300.
Stddev	29.	6.1	.98	.9	.25	71.
%RSD	2.896	.6579	4.322	.0966	1.068	.6907

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2000.	2000.	50.00	2000.	50.00	20000.
Range	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 25.16	F 246.9	F 96.81	F 121.4	F 509.7	F 9689.
Stddev	.06	.3	.42	1.3	10.0	86.
%RSD	.2473	.1251	.4293	1.074	1.961	.8895

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	50.00	500.0	200.0	250.0	1000.	20000.
Range	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 9815.	F 246.6	F 10050.	F 253.0	F 258.3	F 238.2
Stddev	17.	.2	36.	.6	1.0	1.3
%RSD	.1716	.0787	.3558	.2434	.4008	.5268

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	20000.	500.0	20000.	500.0	500.0	500.0
Range	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 957.7	F 1085.	F 235.6	F 246.7	F 242.0	F 233.9
Stddev	3.4	3.	.6	.3	1.5	1.8
%RSD	.3551	.2715	.2471	.1106	.6187	.7559

Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2000.	2000.	500.0	500.0	500.0	500.0
Range	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%

Sample Name: lcs 460-136863/2-a Acquired: 11/28/2012 17:02:05 Type: QC
Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	F 250.1	F 232.7	F 237.1	38.79
Stddev	1.4	.7	1.6	17.68
%RSD	.5407	.2866	.6571	45.59

Check ?	Chk Fail	Chk Fail	Chk Fail	None
Value	500.0	500.0	500.0	
Range	-15.00%	-15.00%	-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	1551.7	16613.	1425.3
Stddev	2.5	58.	2.9
%RSD	.16143	.34801	.20381

Sample Name: 460-47444-a-1-b du Acquired: 11/28/2012 17:05:42 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	56.74	.1355	-1.208	245.0	.0686	38580.	.1751	.5080	-.7900
Stddev	7.61	1.658	.467	.7	.1478	173.	.1173	.2915	.1281
%RSD	13.41	1224.	38.69	.2669	215.4	.4471	66.99	57.38	16.21

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.812	416.4	3939.	19910.	120.1	67820.	3.131	5.574	2.369
Stddev	.614	10.4	34.	29.	.4	177.	.391	.424	1.739
%RSD	33.89	2.494	.8744	.1472	.3319	.2614	12.48	7.604	73.42

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.089	-.5590	.1369	161.7	18.54	.8589	.3494	242.2	-1.076
Stddev	2.319	1.222	.6325	.6	.68	.1746	1.355	1.1	2.687
%RSD	212.9	218.6	462.1	.3565	3.679	20.32	387.8	.4361	249.7

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	7643.
Stddev	31.
%RSD	.4003

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47444-a-1-b du Acquired: 11/28/2012 17:05:42 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1524.4	16153.	1433.4
Stddev	3.9	43.	7.8
%RSD	.25482	.26707	.54733

Sample Name: 460-47444-a-1-a Acquired: 11/28/2012 17:09:24 Type: Unk

Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33.86	2.684	-.8428	246.8	-.0891	39340.	.1544	.3984	-.1441
Stddev	7.44	1.340	.0788	.1	.1674	36.	.0661	.1804	.3491
%RSD	21.96	49.94	9.349	.0260	188.0	.0925	42.79	45.28	242.3

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.841	415.6	3976.	19640.	119.4	68740.	2.377	3.775	-.5616
Stddev	.300	11.6	43.	102.	.3	260.	.505	1.060	.2881
%RSD	10.57	2.781	1.093	.5168	.2192	.3782	21.24	28.08	51.29

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2690	.1716	.5928	163.1	18.33	.2501	.8371	244.0	.1310
Stddev	3.097	1.820	.2678	.5	.90	.2307	.8723	1.0	2.312
%RSD	1151.	1061.	45.17	.2812	4.909	92.24	104.2	.3962	1765.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	7642.
Stddev	41.
%RSD	.5309

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47444-a-1-a Acquired: 11/28/2012 17:09:24 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1505.8	16111.	1407.0
Stddev	2.9	96.	4.4
%RSD	.19578	.59514	.31570

Sample Name: sd 460-47444-a-1-a@5 Acquired: 11/28/2012 17:13:06 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.29	.4092	-.8686	49.34	-.0316	7786.	.0227	.0354	-.6517
Stddev	16.46	1.214	.5396	.19	.1057	19.	.0200	.1002	.5589
%RSD	62.62	296.6	62.13	.3812	334.5	.2387	88.04	283.0	85.76

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0031	82.97	793.9	3831.	23.46	13810.	.3167	2.733	.9777
Stddev	.8241	7.11	40.0	25.	.02	4.	.7752	.984	1.460
%RSD	26250.	8.564	5.036	.6464	.0755	.0323	244.8	36.01	149.4

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.607	-1.382	-.4485	31.41	2.726	.1806	-.0845	48.37	-.1095
Stddev	1.936	1.299	.3898	.30	.317	.4425	.8216	.02	2.199
%RSD	74.26	93.99	86.91	.9636	11.64	245.0	972.3	.0486	2009.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1427.
Stddev	8.
%RSD	.5515

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: sd 460-47444-a-1-a@5 Acquired: 11/28/2012 17:13:06 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1510.8	16428.	1400.3
Stddev	4.7	48.	1.0
%RSD	.31052	.29047	.07051

Sample Name: 460-47444-a-1-c.ms Acquired: 11/28/2012 17:16:50 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1027.	966.1	23.30	1234.	24.56	50310.	25.40	245.8	96.92
Stddev	19.	1.8	1.28	1.	.26	385.	.11	.7	.22
%RSD	1.865	.1821	5.506	.1019	1.052	.7658	.4395	.2935	.2240

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123.8	900.1	13560.	29450.	365.0	79720.	251.2	260.2	244.9
Stddev	.9	7.0	125.	32.	.4	628.	1.1	.1	2.8
%RSD	.7415	.7819	.9191	.1086	.1029	.7870	.4475	.0445	1.149

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	969.4	1047.	240.7	417.0	264.4	240.4	253.4	481.0	238.1
Stddev	3.3	3.	.6	1.2	.5	1.1	2.3	3.4	5.7
%RSD	.3390	.2528	.2501	.2789	.1848	.4744	.8904	.6985	2.406

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	7804.
Stddev	5.
%RSD	.0651

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47444-a-1-c ms Acquired: 11/28/2012 17:16:50 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1501.1	16046.	1410.3
Stddev	1.7	69.	10.9
%RSD	.11066	.43208	.77392

Sample Name: pds 460-47444-a-1-a Acquired: 11/28/2012 17:20:26 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1922.	1848.	44.33	2111.	46.25	57730.	48.15	466.9	187.1
Stddev	11.	6.	.85	3.	.48	127.	.09	1.0	.4
%RSD	.5659	.3034	1.915	.1232	1.046	.2201	.1952	.2177	.1955

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	233.7	1347.	22130.	37660.	582.3	85660.	477.4	485.4	471.4
Stddev	.6	11.	97.	92.	1.2	273.	1.7	1.4	1.9
%RSD	.2547	.7796	.4400	.2442	.2062	.3184	.3649	.2951	.3941

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1861.	1984.	462.1	635.3	483.0	457.7	482.7	679.3	453.0
Stddev	2.	6.	1.1	1.7	1.0	1.2	2.2	2.1	2.4
%RSD	.0935	.3093	.2428	.2727	.2140	.2694	.4511	.3025	.5276

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	7663.
Stddev	46.
%RSD	.5990

Check ? Chk Pass
High Limit
Low Limit

Sample Name: pds 460-47444-a-1-a Acquired: 11/28/2012 17:20:26 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1495.5	15908.	1410.6
Stddev	1.8	38.	5.5
%RSD	.12188	.23912	.38955

Sample Name: 460-47444-a-2-a Acquired: 11/28/2012 17:23:56 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29.71	.9999	-.4394	246.5	.0225	39170.	.1468	.5314	-.8876
Stddev	8.58	.7826	.6635	1.2	.0822	197.	.1022	.5240	.2181
%RSD	28.88	78.27	151.0	.4665	365.6	.5027	69.65	98.60	24.58

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.877	402.6	3998.	19440.	118.7	68560.	2.251	4.460	1.906
Stddev	.585	8.4	25.	179.	.9	355.	.384	1.139	1.559
%RSD	31.16	2.091	.6331	.9178	.7196	.5172	17.07	25.54	81.78

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4606	-.1733	.8024	162.6	18.33	1.665	1.914	242.4	-2.457
Stddev	2.762	1.518	.2280	.8	.43	.240	1.566	1.2	.235
%RSD	599.7	875.9	28.41	.5103	2.342	14.42	81.80	.5096	9.571

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	7608.
Stddev	32.
%RSD	.4223

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47444-a-2-a Acquired: 11/28/2012 17:23:56 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1504.1	16096.	1415.7
Stddev	9.4	55.	9.9
%RSD	.62822	.34404	.69856

Sample Name: 460-47368-j-7-b du Acquired: 11/28/2012 17:27:37 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	99.61	.4577	-1.203	99.79	.0118	181300.	.6109	2.492
Stddev	51.89	1.780	.966	.47	.2572	782.	.0946	.155
%RSD	52.10	389.0	80.26	.4682	2175.	.4312	15.49	6.236

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.249	2.202	35.42	2059.	27330.	1679.	29720.	6.583
Stddev	.141	.620	.58	64.	18.	1.	255.	.679
%RSD	4.331	28.18	1.650	3.120	.0668	.0817	.8583	10.32

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.868	3.734	-1.419	-3.928	.0580	9.422	72.98	.3056
Stddev	.492	2.756	3.158	1.220	.3068	.257	.81	.3809
%RSD	7.171	73.82	222.5	31.07	529.1	2.731	1.104	124.6

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0236	421.3	-8.185	12460.
Stddev	1.658	2.0	.754	69.
%RSD	7018.	.4791	9.207	.5534

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47368-j-7-b du Acquired: 11/28/2012 17:27:37 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1476.6	15914.	1396.5
Stddev	4.4	31.	3.4
%RSD	.29469	.19227	.24148

Sample Name: lcs 460-136861/2-a Acquired: 11/28/2012 17:31:19 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1991.	1898.	47.26	1963.	48.07	20890.
Stddev	21.	10.	1.01	4.	.49	124.
%RSD	1.042	.5329	2.146	.1942	1.013	.5936

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.57	492.5	193.7	241.2	980.6	19260.
Stddev	.08	1.6	.8	1.0	17.5	138.
%RSD	.1620	.3259	.4167	.4256	1.783	.7139

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	19090.	487.5	20140.	501.4	515.0	485.3
Stddev	34.	1.1	185.	.8	3.3	.2
%RSD	.1759	.2331	.9195	.1637	.6327	.0452

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	1931.	2141.	472.7	498.5	487.3	472.7
Stddev	7.	6.	.5	1.3	1.0	4.4
%RSD	.3570	.2960	.0995	.2572	.2048	.9409

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-136861/2-a Acquired: 11/28/2012 17:31:19 Type: QC
 Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	501.2	463.8	472.0	44.32
Stddev	1.0	4.0	4.3	15.22
%RSD	.1934	.8584	.9217	34.34

Check ?	Chk Pass	Chk Pass	Chk Pass	None
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	1530.0	16466.	1420.8
Stddev	4.6	34.	6.2
%RSD	.29754	.20499	.43727

Sample Name: CCV Acquired: 11/28/2012 17:34:51 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120200.	2417.	1185.	9775.	952.3	124400.
Stddev	588.	9.	1.	5.	4.4	549.
%RSD	.4888	.3911	.0626	.0521	.4592	.4412

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1226.	2419.	4772.	12100.	95820.	47530.
Stddev	1.	2.	3.	30.	62.	251.
%RSD	.0439	.0644	.0663	.2477	.0648	.5280

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	116900.	4775.	122300.	2427.	7433.	960.6
Stddev	253.	8.	594.	2.	9.	6.0
%RSD	.2162	.1763	.4855	.0796	.1202	.6221

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2385.	2453.	2378.	2426.	965.6	2455.
Stddev	7.	4.	3.	.	1.1	9.
%RSD	.2916	.1450	.1373	.0118	.1127	.3572

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/28/2012 17:34:51 Type: QC
Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	967.0	4757.	9583.	9470.
Stddev	3.0	20.	56.	45.
%RSD	.3107	.4192	.5895	.4761

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	1418.2	15252.	1373.7
Stddev	1.3	39.	10.5
%RSD	.09164	.25423	.76347

Sample Name: CCB Acquired: 11/28/2012 17:38:14 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-14.63	.2504	-.5784	.5393	.0049	14.89
Stddev	7.50	2.124	.8221	.3903	.2282	28.06
%RSD	51.25	848.1	142.1	72.37	4660.	188.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1254	.0449	.2188	-.3205	20.45	-3.993
Stddev	.0909	.1014	.3101	.6164	4.70	16.69
%RSD	72.49	226.0	141.7	192.3	22.97	418.0

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	2.953	.3026	28.83	.0636	1.448	1.462
Stddev	9.711	.2910	33.92	.2680	1.328	3.332
%RSD	328.9	96.16	117.7	421.6	91.73	227.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-.7186	.0635	-.3448	.1142	2.974	5.593
Stddev	1.198	.6516	.4470	.4296	.364	4.284
%RSD	166.7	1025.	129.6	376.1	12.25	76.58

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/28/2012 17:38:14 Type: QC
 Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1.447	.3376	3.384	-1.194
Stddev	.603	.4208	2.510	10.74
%RSD	41.67	124.6	74.19	899.9

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	1520.2	16591.	1395.0
Stddev	1.3	61.	2.0
%RSD	.08637	.37043	.14690

Sample Name: mb 460-136861/1-a Acquired: 11/28/2012 17:42:02 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-15.38	-.3572	-.1292	.1843	.0157	8.902
Stddev	8.74	1.253	1.207	.1438	.3130	6.970
%RSD	56.78	350.7	934.1	77.98	1992.	78.30

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0959	.0165	-.2747	-1.142	16.18	67.03
Stddev	.0725	.2594	.3843	.893	6.17	7.09
%RSD	75.59	1575.	139.9	78.20	38.12	10.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4461	.0768	-.2756	-.0662	2.615	1.960
Stddev	.8817	.1356	7.976	.5872	1.925	1.348
%RSD	197.7	176.4	2894.	887.3	73.60	68.78

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.996	-.3442	.2835	.3186	.8035	.2241
Stddev	4.218	1.061	.2013	.1987	.8827	.7616
%RSD	211.3	308.3	71.02	62.36	109.9	339.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-136861/1-a Acquired: 11/28/2012 17:42:02 Type: QC
Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.7138	-.0120	.3085	15.64
Stddev	.8660	.1497	1.482	9.18
%RSD	121.3	1248.	480.4	58.70

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	1572.9	17140.	1435.3
Stddev	5.6	38.	4.3
%RSD	.35312	.22223	.29720

Sample Name: 460-47368-j-7-a Acquired: 11/28/2012 17:45:49 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	134.6	1.347	-7042	99.92	.0841	181100.	.5142	2.290
Stddev	31.0	2.763	.8351	.31	.1310	588.	.0039	.218
%RSD	23.04	205.2	118.6	.3150	155.7	.3246	.7528	9.515

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.034	1.740	28.48	2042.	27420.	1677.	29820.	6.583
Stddev	.583	.302	12.46	66.	34.	5.	21.	.756
%RSD	14.46	17.36	43.74	3.244	.1237	.3228	.0702	11.49

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.434	.9586	1.168	-4.181	.4890	9.379	73.51	-.3596
Stddev	1.148	2.297	6.500	2.302	.7931	.083	.25	.4277
%RSD	17.84	239.6	556.5	55.07	162.2	.8860	.3351	118.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-6028	419.5	-7.760	12520.
Stddev	1.034	2.2	.635	79.
%RSD	171.6	.5198	8.181	.6289

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-47368-j-7-a Acquired: 11/28/2012 17:45:49 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1479.2	15941.	1408.4
Stddev	2.0	32.	9.4
%RSD	.13817	.19930	.66578

Sample Name: sd 460-47368-j-7-a@5 Acquired: 11/28/2012 17:49:30 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31.53	1.376	-1.274	19.64	.0140	36180.	.1986	.3803	-1.623
Stddev	8.53	2.869	.333	.07	.0512	580.	.2074	.1282	.571
%RSD	27.06	208.5	26.17	.3571	366.2	1.604	104.4	33.70	35.16

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4942	5.522	481.7	5372.	329.4	5818.	1.637	1.942	2.964
Stddev	.7030	8.951	60.8	107.	6.8	100.	.421	.031	2.315
%RSD	142.2	162.1	12.61	1.991	2.070	1.724	25.70	1.589	78.11

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.247	-2.015	-.3429	2.070	14.60	.1729	-.0546	81.28	-1.445
Stddev	2.751	1.031	.0810	.045	1.56	.1393	1.675	1.25	.874
%RSD	220.6	51.18	23.61	2.162	10.68	80.57	3068.	1.538	60.48

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	2338.
Stddev	57.
%RSD	2.451

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: sd 460-47368-j-7-a@5 Acquired: 11/28/2012 17:49:30 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1515.4	16518.	1415.1
Stddev	.7	98.	8.7
%RSD	.04858	.59209	.61717

Sample Name: 460-47368-j-7-c ms Acquired: 11/28/2012 17:53:14 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2088.	1925.	45.98	2037.	47.38	198900.	49.84	479.0
Stddev	18.	9.	.83	7.	.23	1122.	.22	1.6
%RSD	.8407	.4682	1.803	.3296	.4750	.5641	.4374	.3308

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	186.8	242.2	992.9	21160.	45740.	2147.	49320.	489.2
Stddev	1.5	1.6	14.7	166.	271.	10.	198.	.6
%RSD	.7829	.6417	1.485	.7839	.5930	.4613	.4006	.1182

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	502.8	489.9	1903.	2037.	471.0	495.3	558.5	473.0
Stddev	1.2	2.4	8.	7.	1.6	1.5	1.3	4.7
%RSD	.2399	.4843	.3972	.3631	.3424	.3118	.2304	1.001

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	491.8	876.1	457.6	12660.
Stddev	3.3	7.0	3.7	12.
%RSD	.6729	.7946	.8155	.0910

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47368-j-7-c ms Acquired: 11/28/2012 17:53:14 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1472.2	15868.	1409.4
Stddev	4.7	25.	6.7
%RSD	.32229	.15996	.47882

Sample Name: pds 460-47368-j-7-a Acquired: 11/28/2012 17:56:43 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1995.	1850.	44.53	1970.	45.52	195500.	47.88	461.5
Stddev	26.	4.	.24	5.	.06	865.	.37	1.5
%RSD	1.321	.2337	.5459	.2457	.1235	.4422	.7767	.3199

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	178.6	231.9	942.9	20460.	44080.	2085.	48110.	471.4
Stddev	1.7	1.2	7.9	200.	300.	10.	150.	1.7
%RSD	.9386	.5359	.8390	.9786	.6805	.4916	.3126	.3630

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	482.1	471.1	1829.	1955.	451.2	475.4	536.7	455.6
Stddev	.5	3.3	8.	9.	1.7	1.8	1.4	2.9
%RSD	.1094	.6951	.4597	.4443	.3807	.3688	.2640	.6349

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	476.0	848.5	440.6	12360.
Stddev	3.9	5.2	4.7	74.
%RSD	.8194	.6169	1.066	.5967

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: pds 460-47368-j-7-a Acquired: 11/28/2012 17:56:43 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1464.1	15835.	1404.0
Stddev	4.2	39.	8.7
%RSD	.28951	.24759	.61784

Sample Name: 460-47368-j-4-a Acquired: 11/28/2012 18:00:12 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	183.2	2.668	.9609	302.9	-.2293	239200.	.4945	6.711
Stddev	38.1	2.146	.0911	.1	.1161	1050.	.0883	.297
%RSD	20.79	80.43	9.481	.0417	50.62	.4392	17.85	4.424

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.305	4.103	134.4	2426.	31590.	5486.	35450.	5.352
Stddev	.266	.146	25.6	9.	60.	7.	193.	.483
%RSD	6.187	3.553	19.03	.3892	.1902	.1193	.5450	9.029

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.490	4.352	.0188	-7.146	1.288	10.38	69.41	2.822
Stddev	1.269	1.273	7.106	1.226	.332	.17	1.59	1.130
%RSD	28.27	29.24	37790.	17.16	25.81	1.681	2.295	40.04

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.533	425.3	-10.93	14480.
Stddev	1.472	1.8	2.14	52.
%RSD	96.05	.4206	19.58	.3614

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47368-j-4-a Acquired: 11/28/2012 18:00:12 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1465.1	15818.	1397.1
Stddev	3.5	61.	3.8
%RSD	.23695	.38843	.26846

Sample Name: 460-47368-j-5-a Acquired: 11/28/2012 18:03:54 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	95.85	3.184	-.1395	112.2	-.0938	158700.	.6068	3.869
Stddev	17.74	4.773	.7608	.4	.1128	635.	.1360	.458
%RSD	18.51	149.9	545.5	.3128	120.3	.3999	22.42	11.84

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.618	1.081	52.00	2130.	22930.	5312.	39400.	5.053
Stddev	.750	1.047	11.55	45.	16.	14.	107.	.345
%RSD	28.66	96.84	22.20	2.123	.0717	.2715	.2705	6.838

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.269	1.307	.2690	-7.076	.8256	8.165	94.30	2.193
Stddev	2.272	1.373	4.701	.530	.2900	.273	1.12	.600
%RSD	69.49	105.1	1748.	7.487	35.13	3.348	1.189	27.37

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2398	272.4	-6.795	11690.
Stddev	.1709	1.3	.878	88.
%RSD	71.27	.4739	12.92	.7514

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47368-j-5-a Acquired: 11/28/2012 18:03:54 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1478.5	15917.	1411.6
Stddev	7.5	44.	6.3
%RSD	.50772	.27443	.44905

Sample Name: 460-47368-j-6-a Acquired: 11/28/2012 18:07:36 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	78.89	2.110	-.2438	60.07	-.2062	72730.	.9652	4.099	-1.765
Stddev	27.19	1.567	.3287	.40	.0171	632.	.0330	.061	.189
%RSD	34.46	74.29	134.8	.6598	8.304	.8683	3.421	1.487	10.69

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.209	83.30	1230.	13880.	3357.	35850.	8.735	5.583	-.1098
Stddev	1.029	10.62	25.	18.	7.	200.	.166	1.937	.3428
%RSD	16.57	12.75	2.051	.1263	.2107	.5591	1.895	34.69	312.3

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.567	-3.444	.7485	37.23	128.3	.3190	.1389	213.7	-2.135
Stddev	3.518	1.652	.3419	.16	1.4	.4856	.3751	1.1	.214
%RSD	137.1	47.95	45.68	.4418	1.087	152.2	270.0	.5158	10.03

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	12090.
Stddev	75.
%RSD	.6203

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47368-j-6-a Acquired: 11/28/2012 18:07:36 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1510.1	16314.	1419.5
Stddev	4.2	60.	4.3
%RSD	.27873	.36937	.30303

Sample Name: 460-47368-j-8-a Acquired: 11/28/2012 18:11:17 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	155.4	5.532	-.9585	202.7	.0791	204100.	-.1698	.4357
Stddev	47.5	1.933	.6202	.6	.1516	610.	.0326	.3128
%RSD	30.56	34.94	64.70	.3189	191.6	.2988	19.18	71.78

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.783	.2666	7619.	1521.	21090.	1983.	26780.	3.694
Stddev	.828	.1325	31.	84.	167.	12.	119.	.484
%RSD	21.90	49.72	.4092	5.512	.7910	.5951	.4450	13.09

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.468	1.751	-.6592	-3.869	.3370	6.755	55.36	.3752
Stddev	2.119	1.417	2.689	1.828	.3455	.136	.19	.2896
%RSD	47.42	80.93	407.9	47.25	102.5	2.019	.3513	77.18

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3452	373.4	-6.927	13730.
Stddev	1.127	.6	.405	21.
%RSD	326.4	.1696	5.853	.1520

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47368-j-8-a Acquired: 11/28/2012 18:11:17 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1458.3	15922.	1400.2
Stddev	7.9	76.	6.8
%RSD	.54212	.47911	.48650

Sample Name: 460-47368-j-9-a Acquired: 11/28/2012 18:14:58 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.26	-.1032	-.9191	36.61	-.0018	42090.	.3800	1.049	-1.099
Stddev	20.36	1.569	.6304	.16	.0870	88.	.0865	.100	.889
%RSD	43.09	1520.	68.58	.4446	4722.	.2100	22.76	9.549	80.93

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.479	83.59	5208.	12390.	8.833	42980.	3.110	6.197	1.368
Stddev	.311	7.87	63.	70.	.093	207.	.125	1.690	3.514
%RSD	21.04	9.413	1.203	.5674	1.051	.4810	4.033	27.27	256.9

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.730	-.6176	20.47	20.32	932.8	10.30	-.3021	727.6	-.4712
Stddev	2.694	.3830	.42	.23	.9	.23	.9085	3.1	1.018
%RSD	98.66	62.01	2.072	1.123	.0940	2.279	300.7	.4233	216.1

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	8982.
Stddev	14.
%RSD	.1601

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47368-j-9-a Acquired: 11/28/2012 18:14:58 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1499.3	16346.	1403.4
Stddev	3.8	53.	6.9
%RSD	.25371	.32340	.49232

Sample Name: CCV Acquired: 11/28/2012 18:18:43 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	119800.	2415.	1180.	9824.	942.2	124200.
Stddev	426.	16.	3.	46.	3.9	565.
%RSD	.3551	.6445	.2348	.4632	.4117	.4547

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1228.	2413.	4734.	12100.	95080.	47100.
Stddev	6.	10.	4.	36.	151.	208.
%RSD	.4570	.3971	.0950	.2935	.1582	.4412

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	115200.	4713.	122400.	2418.	7445.	958.8
Stddev	356.	20.	433.	9.	38.	3.8
%RSD	.3086	.4245	.3536	.3859	.5097	.4010

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2366.	2443.	2360.	2427.	965.4	2462.
Stddev	17.	14.	6.	9.	4.7	6.
%RSD	.7167	.5613	.2707	.3651	.4860	.2513

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/28/2012 18:18:43 Type: QC
 Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	962.6	4701.	9459.	9415.
Stddev	4.2	24.	36.	97.
%RSD	.4413	.5031	.3791	1.028

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	1396.7	15167.	1361.4
Stddev	6.8	13.	1.6
%RSD	.48859	.08517	.11656

Sample Name: CCB Acquired: 11/28/2012 18:22:07 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.000	-1.947	-1.252	.5449	.1014	-1.984
Stddev	32.33	3.190	1.230	.3411	.4532	12.87
%RSD	538.8	163.8	98.23	62.60	447.0	648.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0795	.1052	-.0923	-.3624	14.95	91.15
Stddev	.1450	.2016	.3962	.4681	15.29	54.68
%RSD	182.5	191.6	429.5	129.2	102.3	59.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.114	.2659	16.14	-.3549	1.175	3.191
Stddev	2.152	.3220	31.45	.6916	.892	1.942
%RSD	52.31	121.1	194.9	194.9	75.92	60.84

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	3.972	-.7487	-.4363	-.1340	3.126	5.817
Stddev	2.538	.4360	.2731	.1032	1.073	4.334
%RSD	63.91	58.23	62.58	77.02	34.33	74.52

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/28/2012 18:22:07 Type: QC
 Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.2903	.3487	2.442	3.634
Stddev	1.472	.2980	1.643	21.29
%RSD	507.2	85.48	67.26	585.8

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	1486.8	16626.	1375.5
Stddev	2.8	55.	5.1
%RSD	.18957	.32970	.37086

Sample Name: CAL_BLK Acquired: 11/28/2012 14:34:04 Type: Cal
Method: SW_110712(v10) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0003	.0000	-.0001	-.0002	.0006	-.0166
Stddev	.0023	.0002	.0001	.0003	.0002	.0025
%RSD	721.1	1137.	107.7	129.2	36.23	15.29

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	.0000	.0000	.0039	.0000	-.0309
Stddev	.0007	.0002	.000	.0002	.000	.0019
%RSD	16820.	680.7	7636.	4.711	319.6	6.148

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0002	-.0032	.0000	.0001	.0001
Stddev	.0001	.0001	.0017	.0005	.0003	.0002
%RSD	43.75	59.72	53.58	1643.	238.2	315.4

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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	-.0002	.0001	.0001	.0006	-.0002
Stddev	.0003	.0002	.0001	.0002	.0004	.0002
%RSD	157.1	148.7	131.3	182.7	72.88	113.1

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	-.0028	.0007	.0015
Stddev	.0002	.0010	.0014	.0003
%RSD	163.9	34.77	201.5	21.72

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1538.1	16175.	1400.4
Stddev	3.3	73.	9.2
%RSD	.21254	.45358	.65419

Sample Name: DCAL1 Acquired: 11/28/2012 14:37:49 Type: Cal
Method: SW_110712(v10) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu3247	Fe2714	Ni2316	Zn2062
Line	324.754 {104}	271.441 {124}	231.604 {446}	206.200 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0072	.0011	.0097	.0140
Stddev	.0005	.0002	.0005	.0004
%RSD	6.544	17.94	4.834	2.642

Int. Std.	Y_2243	Y_3600
Line	224.306 {450}	360.073 { 94}
Units	Cts/S	Cts/S
Avg	1566.1	16524.
Stddev	7.7	41.
%RSD	.48992	.24862

Sample Name: DCAL2 Acquired: 11/28/2012 14:41:35 Type: Cal
Method: SW_110712(v10) 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	.0167	.0004	.0033	.5450	.0142	.5735
Stddev	.0013	.0002	.0002	.0020	.0023	.0018
%RSD	7.505	53.78	7.297	.3599	16.33	.3175

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0160	.0611	.0023	.0131	.0016	.2517
Stddev	.0002	.0004	.0001	.0003	.0001	.0013
%RSD	1.519	.7136	4.353	1.929	5.427	.5343

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.1455	.0286	.9082	.0401	.0026	.0014
Stddev	.0004	.0002	.0042	.0005	.0001	.0003
%RSD	.3027	.5956	.4654	1.307	4.879	19.07

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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	.0013	.0170	.0426	.0195	.0162
Stddev	.0004	.0002	.0002	.0002	.0004	.0001
%RSD	65.20	13.84	1.012	.3917	2.301	.6816

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	.0104	.2158	.0180	.0103
Stddev	.0001	.0020	.0012	.0006
%RSD	1.056	.9358	6.817	5.833

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1535.3	16245.	1415.2
Stddev	1.1	31.	7.8
%RSD	.07379	.18816	.54908

Sample Name: DCAL3 Acquired: 11/28/2012 14:45:18 Type: Cal
Method: SW_110712(v10) 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	1.822	.0428	.0906	5.432	1.424	2.949
Stddev	.009	.0001	.0006	.007	.007	.012
%RSD	.4912	.2980	.6268	.1211	.5229	.4092

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.002	.6087	.2363	.9166	.2152	.5446
Stddev	.001	.0005	.0003	.0020	.0007	.0074
%RSD	.1285	.0774	.1340	.2146	.3201	1.359

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.7199	1.843	4.554	.4879	.4745	.0301
Stddev	.0017	.005	.013	.0003	.0001	.0001
%RSD	.2384	.2526	.2793	.0704	.0264	.4334

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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0360	.0726	.1714	.7166	.0868	.4096
Stddev	.0002	.0001	.0006	.0014	.0004	.0017
%RSD	.5588	.1699	.3450	.1916	.4750	.4224

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	.0402	10.79	1.601	.0924
Stddev	.0001	.06	.012	.0003
%RSD	.2591	.5648	.7292	.3425

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1509.0	15924.	1403.1
Stddev	1.7	64.	6.9
%RSD	.11152	.40273	.48841

Sample Name: DCAL4 Acquired: 11/28/2012 14:48:48 Type: Cal
Method: SW_110712(v10) 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	8.895	.2146	.4545	26.39	6.935	14.13
Stddev	.017	.0010	.0015	.11	.036	.02
%RSD	.1918	.4853	.3378	.4293	.5243	.1736

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.857	2.915	1.141	4.537	1.032	2.799
Stddev	.017	.005	.002	.010	.002	.004
%RSD	.3588	.1880	.1319	.2275	.1778	.1609

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	3.514	8.875	22.13	2.330	2.263	.1499
Stddev	.011	.016	.05	.006	.008	.0005
%RSD	.3035	.1836	.2117	.2430	.3524	.3496

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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1790	.3375	.8450	3.474	.4241	2.019
Stddev	.0005	.0004	.0012	.013	.0016	.014
%RSD	.2738	.1278	.1373	.3840	.3770	.6848

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	.1942	52.71	7.870	.4684
Stddev	.0004	.19	.030	.0023
%RSD	.1937	.3643	.3772	.4943

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1415.6	14975.	1370.2
Stddev	4.0	21.	3.7
%RSD	.27904	.14195	.26840

Sample Name: DCAL5 Acquired: 11/28/2012 14:52:10 Type: Cal
Method: SW_110712(v10) 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	18.05	.4501	.9440	53.43	13.76	27.38
Stddev	.03	.0020	.0019	.06	.01	.04
%RSD	.1526	.4402	.2053	.1068	.0493	.1370

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	9.846	5.892	2.280	9.196	2.057	5.726
Stddev	.014	.011	.004	.018	.004	.005
%RSD	.1430	.1920	.1969	.1915	.2185	.0832

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	7.128	17.59	44.38	4.696	4.538	.3117
Stddev	.018	.02	.06	.008	.004	.0011
%RSD	.2462	.1335	.1327	.1629	.0837	.3545

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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3704	.6683	1.709	7.029	.8573	4.122
Stddev	.0008	.0008	.004	.007	.0021	.023
%RSD	.2275	.1193	.2415	.1044	.2434	.5474

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	.3927	105.4	15.84	.9577
Stddev	.0005	.0	.02	.0049
%RSD	.1287	.0120	.1437	.5094

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1341.2	14395.	1350.8
Stddev	1.4	20.	6.3
%RSD	.10556	.14214	.46805

Sample Name: CCV Acquired: 11/28/2012 14:55:32 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121000.	2415.	1197.	9730.	961.1	123800.
Stddev	291.	12.	6.	14.	2.7	371.
%RSD	.2403	.4763	.4959	.1425	.2776	.3001

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1220.	2430.	4881.	12200.	97530.	47830.
Stddev	1.	3.	27.	39.	575.	151.
%RSD	.0869	.1365	.5598	.3167	.5898	.3165

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	120300.	4871.	121200.	2443.	7404.	965.3
Stddev	743.	29.	350.	4.	8.	1.6
%RSD	.6179	.6002	.2886	.1792	.1131	.1615

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2390.	2460.	2412.	2417.	973.3	2447.
Stddev	5.	8.	11.	3.	2.3	6.
%RSD	.2016	.3054	.4751	.1161	.2332	.2333

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/28/2012 14:55:32 Type: QC
Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	974.5	4823.	9730.	9743.
Stddev	.4	11.	13.	38.
%RSD	.0396	.2281	.1302	.3882

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	1410.2	15026.	1381.8
Stddev	1.4	89.	3.2
%RSD	.09712	.59218	.23272

Sample Name: CCB Acquired: 11/28/2012 14:58:55 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.22	-1.771	-.8780	.5169	.1029	20.40
Stddev	40.66	1.053	1.165	.4034	.4054	4.98
%RSD	167.9	59.45	132.7	78.04	393.9	24.40

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0228	.2823	.0999	-.4054	15.98	167.8
Stddev	.0836	.1588	.6092	1.264	6.43	89.2
%RSD	366.6	56.25	610.0	311.7	40.28	53.16

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.032	.2044	59.83	-.2017	.6870	-.1593
Stddev	11.02	.3139	14.49	.4674	1.045	2.945
%RSD	363.5	153.5	24.21	231.7	152.1	1848.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-2.418	.0801	-.3350	.0192	4.354	7.437
Stddev	1.048	1.379	.4226	.1672	1.245	4.563
%RSD	43.33	1721.	126.2	871.2	28.59	61.35

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/28/2012 14:58:55 Type: QC
 Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	2.300	.5218	2.563	9.571
Stddev	.102	.3952	3.107	6.725
%RSD	4.438	75.73	121.2	70.27

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	1522.3	16460.	1404.0
Stddev	6.0	28.	9.8
%RSD	.39245	.17202	.69740

Sample Name: ICSEA 1817744 Acquired: 11/28/2012 15:02:42 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	494500.	-.2924	-2.785	-1.299	-.1915	442600.
Stddev	1537.	5.367	1.098	.278	.1750	3870.
%RSD	.3109	1835.	39.42	21.40	91.36	.8744

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1574	-.7983	-.2973	-1.310	193400.	185.5
Stddev	.0813	.3559	.7523	.405	190.	77.1
%RSD	51.65	44.59	253.0	30.89	.0982	41.54

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	491200.	-.2855	-33.12	-1.272	.0199	6.653
Stddev	3999.	.1309	57.19	.294	2.522	2.906
%RSD	.8141	45.84	172.7	23.13	12670.	43.68

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	3.632	-1.779	.6142	6.076	-.2735	-1.413
Stddev	3.372	5.337	.1249	.043	.9159	.543
%RSD	92.83	299.9	20.34	.7050	334.8	38.45

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 1817744 Acquired: 11/28/2012 15:02:42 Type: QC
 Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	3.130	.0726	-1.377	.4566
Stddev	1.250	.2107	.313	15.78
%RSD	39.93	290.2	22.74	3456.

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	1365.7	14266.	1358.2
Stddev	5.8	35.	3.5
%RSD	.42197	.24549	.25777

Sample Name: ICSAB 1818548 Acquired: 11/28/2012 15:06:33 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	499800.	93.93	92.14	91.86	92.12	449200.
Stddev	1038.	4.58	1.57	.15	.46	1464.
%RSD	.2077	4.872	1.701	.1611	.4977	.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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	92.53	89.40	93.43	96.05	194300.	10300.
Stddev	.28	.52	.50	.68	232.	47.
%RSD	.2987	.5867	.5365	.7121	.1193	.4556

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	492000.	93.59	10340.	88.16	87.95	95.77
Stddev	2097.	.25	82.	.25	3.32	1.21
%RSD	.4263	.2658	.7887	.2787	3.775	1.259

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	99.25	90.99	94.29	95.46	89.25	90.08
Stddev	6.52	2.86	.69	.35	1.21	.36
%RSD	6.574	3.142	.7281	.3686	1.354	.3968

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1818548 Acquired: 11/28/2012 15:06:33 Type: QC
 Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	91.77	91.13	93.03	74.96
Stddev	1.26	.35	1.48	24.57
%RSD	1.373	.3867	1.592	32.79

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	1361.4	14211.	1347.8
Stddev	2.4	12.	5.8
%RSD	.17488	.08656	.43201

Sample Name: INT-10 1790436 Acquired: 11/28/2012 15:10:16 Type: QC

Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.049	.5642	1.086	-1.310	-.3862	47.57
Stddev	37.54	2.422	.298	.182	.0637	45.25
%RSD	3580.	429.2	27.42	13.92	16.50	95.13

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3329	10350.	9550.	-2.348	-62.62	70.29
Stddev	.1033	16.	10.	.771	31.60	14.23
%RSD	31.03	.1589	.1017	32.86	50.46	20.24

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44.81	9789.	26.93	10500.	-.2804	F -49.16
Stddev	27.33	46.	18.17	12.	1.418	.71
%RSD	60.98	.4677	67.46	.1149	505.7	1.442

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						20.00
Low Limit						-20.00

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	-2.176	-9.664	4624.	-1.391	50.42	4832.
Stddev	4.147	1.638	4.	.196	.73	40.
%RSD	190.6	16.95	.0956	14.09	1.438	.8209

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10 1790436 Acquired: 11/28/2012 15:10:16 Type: QC
Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	10140.	9593.	9142.	9055.
Stddev	11.	37.	39.	51.
%RSD	.1083	.3824	.4246	.5672

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	1514.0	16666.	1412.7
Stddev	3.1	81.	4.2
%RSD	.20150	.48486	.29406

Sample Name: 460-47528-a-10-b du@ Acquired: 11/28/2012 15:13:57 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30540.	41.33	5.731	492.8	1.900	168600.	16.79	27.24
Stddev	72.	1.64	.631	2.6	.106	477.	.23	.55
%RSD	.2353	3.960	11.02	.5354	5.572	.2829	1.354	2.013

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	288.0	617.3	88870.	8396.	21740.	1406.	18470.	136.4
Stddev	1.2	1.0	351.	79.	76.	4.	53.	.6
%RSD	.4216	.1578	.3949	.9369	.3483	.3158	.2843	.4556

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	834.3	-.3278	2.064	-2.395	124.5	1326.	69.35	27.16
Stddev	2.6	1.606	1.617	1.753	.7	2.	.15	16.29
%RSD	.3139	489.9	78.33	73.22	.5644	.1605	.2109	59.96

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	70.57	857.9	1182.	15890.
Stddev	1.17	2.0	2.	873.
%RSD	1.661	.2308	.1377	5.493

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47528-a-10-b du@ Acquired: 11/28/2012 15:13:57 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1516.4	16253.	1445.3
Stddev	8.5	47.	1.6
%RSD	.56227	.28663	.10985

Sample Name: 460-47528-a-10-a@4 Acquired: 11/28/2012 15:17:30 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29130.	36.61	6.241	455.6	1.509	170100.	7.375	26.24
Stddev	143.	2.16	.498	.6	.242	845.	.202	.15
%RSD	.4906	5.902	7.974	.1363	16.03	.4968	2.733	.5869

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	295.0	894.2	101200.	7337.	21300.	1436.	17250.	129.9
Stddev	.7	3.2	55.	67.	107.	3.	111.	.9
%RSD	.2513	.3562	.0547	.9124	.5030	.2020	.6412	.7288

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	942.7	4.449	3.545	-3.310	115.8	1486.	70.81	13.21
Stddev	4.3	1.792	2.126	1.916	.5	4.	.79	.41
%RSD	.4549	40.27	59.97	57.87	.4218	.2817	1.120	3.139

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	59.91	863.2	1159.	17570.
Stddev	.46	3.2	7.	109.
%RSD	.7752	.3665	.5787	.6180

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47528-a-10-a@4 Acquired: 11/28/2012 15:17:30 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1501.8	16182.	1446.2
Stddev	1.9	40.	6.0
%RSD	.12430	.24516	.41405

Sample Name: sd 460-47528-a-10-a@ Acquired: 11/28/2012 15:21:04 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5843.	8.081	.8220	91.23	.1768	35000.	1.488	5.277	58.36
Stddev	33.	2.517	.0965	.06	.1078	147.	.251	.309	.61
%RSD	.5685	31.15	11.74	.0647	60.94	.4186	16.85	5.852	1.053

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	178.1	20560.	1485.	4359.	290.9	3405.	26.58	196.4	.6808
Stddev	.7	114.	34.	30.	1.6	35.	.48	1.3	1.431
%RSD	.3764	.5564	2.281	.6937	.5461	1.022	1.821	.6577	210.2

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0645	-1.642	23.02	301.6	14.66	2.228	13.81	171.9	226.9
Stddev	1.600	3.462	.28	.4	1.41	.098	.60	.6	3.2
%RSD	2483.	210.8	1.224	.1303	9.626	4.407	4.319	.3747	1.394

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	3365.
Stddev	26.
%RSD	.7742

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: sd 460-47528-a-10-a@ Acquired: 11/28/2012 15:21:04 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1513.0	16426.	1413.2
Stddev	1.4	61.	8.9
%RSD	.09269	.37420	.63026

Sample Name: 460-47528-a-10-c ms@ Acquired: 11/28/2012 15:24:42 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34790.	910.6	27.29	1414.	24.41	190300.	30.44	250.5
Stddev	85.	8.0	.35	4.	.07	610.	.41	.6
%RSD	.2445	.8818	1.272	.2859	.2934	.3203	1.345	.2345

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	398.5	782.4	95180.	17490.	31160.	1628.	28050.	361.9
Stddev	.8	2.9	227.	53.	144.	7.	130.	1.3
%RSD	.2084	.3743	.2380	.3050	.4628	.4115	.4627	.3545

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1156.	163.1	854.5	919.6	339.4	1695.	292.6	233.9
Stddev	4.	.9	4.5	4.8	.6	4.	1.2	.4
%RSD	.3471	.5224	.5317	.5257	.1781	.2592	.4004	.1590

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	298.7	1134.	1397.	19480.
Stddev	1.2	4.	4.	229.
%RSD	.3987	.3763	.3028	1.176

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47528-a-10-c ms@ Acquired: 11/28/2012 15:24:42 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1499.4	16061.	1440.7
Stddev	7.1	62.	2.9
%RSD	.47128	.38691	.20148

Sample Name: pds 460-47528-a-10-a Acquired: 11/28/2012 15:28:12 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30410.	1792.	48.59	2252.	46.80	185300.	52.62	472.9
Stddev	87.	7.	1.17	9.	.63	594.	.15	2.0
%RSD	.2847	.3958	2.414	.3862	1.350	.3204	.2851	.4204

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	468.9	1096.	99840.	25180.	38040.	1855.	35540.	580.0
Stddev	.8	3.	115.	109.	5.	3.	58.	.8
%RSD	.1712	.2323	.1152	.4326	.0141	.1806	.1632	.1376

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1374.	443.1	1738.	1855.	559.7	1900.	503.6	458.4
Stddev	2.	1.0	3.	2.	1.2	3.	2.6	1.0
%RSD	.1698	.2319	.1737	.1268	.2142	.1749	.5241	.2163

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	516.0	1279.	1583.	17880.
Stddev	4.2	8.	6.	131.
%RSD	.8222	.5872	.3524	.7329

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: pds 460-47528-a-10-a Acquired: 11/28/2012 15:28:12 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1491.5	15982.	1437.3
Stddev	5.0	58.	8.6
%RSD	.33771	.36312	.59637

Sample Name: 460-47118-d-4-a@4 Acquired: 11/28/2012 15:31:39 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48710.	20.28	-1.482	227.7	1.899	2441.	.0538	33.39	44.67
Stddev	110.	2.94	.424	.8	.151	18.	.0595	.22	.18
%RSD	.2253	14.53	28.61	.3323	7.930	.7277	110.8	.6489	.4038

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42.57	72290.	1796.	7954.	1451.	40.76	46.70	111.1	-8726
Stddev	1.02	188.	83.	26.	4.	21.78	.52	2.5	2.684
%RSD	2.393	.2606	4.598	.3269	.2989	53.44	1.119	2.222	307.6

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.703	-3.753	69.42	196.9	3.110	.7101	5.909	29.80	482.6
Stddev	5.024	3.344	.23	.3	.346	.4390	.731	.08	2.7
%RSD	106.8	89.10	.3250	.1399	11.14	61.83	12.38	.2612	.5600

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	2511.
Stddev	18.
%RSD	.7342

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47118-d-4-a@4 Acquired: 11/28/2012 15:31:39 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1593.1	17275.	1481.3
Stddev	4.4	49.	1.9
%RSD	.27636	.28592	.12862

Sample Name: lcssrm 460-137172/2- Acquired: 11/28/2012 15:35:19 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28080.	762.0	188.1	983.3	500.6	33000.
Stddev	168.	4.1	1.3	3.4	.3	132.
%RSD	.5974	.5391	.6756	.3491	.0660	.3989

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	480.5	628.6	539.8	544.4	53450.	12320.
Stddev	1.3	2.9	1.9	2.2	78.	64.
%RSD	.2732	.4561	.3602	.4128	.1457	.5183

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10790.	1537.	1481.	333.6	377.9	644.6
Stddev	21.	.	57.	1.5	2.7	3.8
%RSD	.1944	.0225	3.835	.4572	.7124	.5868

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	555.5	1051.	384.2	1270.	381.8	309.1
Stddev	2.1	7.	1.2	5.	.8	.9
%RSD	.3736	.6857	.2998	.3731	.2078	.3048

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-137172/2- Acquired: 11/28/2012 15:35:19 Type: QC
 Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	695.6	578.6	790.6	F 4047.
Stddev	5.9	.5	7.0	44.
%RSD	.8466	.0860	.8860	1.087

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				81000.
Low Limit				24200.

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1544.7	16812.	1454.5
Stddev	6.5	39.	8.9
%RSD	.42227	.23095	.61475

Sample Name: CCV Acquired: 11/28/2012 15:38:52 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121400.	2452.	1199.	9942.	952.6	125300.
Stddev	441.	7.	1.	11.	2.8	223.
%RSD	.3632	.2835	.0835	.1151	.2919	.1777

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1245.	2448.	4829.	12270.	97050.	47690.
Stddev	1.	5.	7.	30.	140.	214.
%RSD	.0929	.2136	.1471	.2452	.1439	.4482

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	117800.	4799.	123300.	2456.	7541.	965.7
Stddev	263.	13.	441.	5.	14.	4.0
%RSD	.2235	.2715	.3577	.2120	.1790	.4173

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2403.	2485.	2403.	2461.	975.8	2492.
Stddev	9.	4.	4.	4.	3.2	10.
%RSD	.3667	.1777	.1798	.1482	.3307	.3913

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/28/2012 15:38:52 Type: QC
 Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	978.5	4757.	9612.	9633.
Stddev	1.4	16.	23.	34.
%RSD	.1455	.3303	.2350	.3518

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	1409.2	15274.	1375.8
Stddev	1.8	39.	4.2
%RSD	.12425	.25408	.30372

Sample Name: CCB Acquired: 11/28/2012 15:42:15 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-19.38	.2055	-.1559	.4054	.1124	15.86
Stddev	61.91	2.675	.3518	.2895	.1369	18.23
%RSD	319.5	1302.	225.7	71.41	121.8	115.0

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0165	.1415	-.1376	-.3545	20.72	73.08
Stddev	.0539	.4443	.6334	.3321	8.23	52.34
%RSD	327.1	314.0	460.5	93.68	39.70	71.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.266	.2097	20.41	-.3275	1.167	.4534
Stddev	9.840	.2017	19.13	.5311	.886	2.482
%RSD	186.9	96.18	93.72	162.2	75.92	547.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-.9402	-.2505	.0292	.3566	3.268	4.561
Stddev	4.837	1.828	.4530	.2385	.270	3.491
%RSD	514.5	729.8	1550.	66.89	8.270	76.54

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/28/2012 15:42:15 Type: QC
 Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.1840	.3558	2.174	25.58
Stddev	1.079	.2710	2.070	8.13
%RSD	586.0	76.17	95.22	31.78

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	1522.5	16668.	1400.2
Stddev	2.1	49.	8.6
%RSD	.13697	.29419	.61350

Sample Name: mb 460-137172/1-a@2 Acquired: 11/28/2012 15:46:03 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.99	-3.135	-.7698	.2645	-.0828	67.95
Stddev	19.27	1.113	.5831	.1231	.1529	5.40
%RSD	91.82	35.49	75.75	46.53	184.5	7.955

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0025	.0143	.0016	-.8721	8.596	131.5
Stddev	.0290	.2483	.0515	.7750	6.105	65.3
%RSD	1156.	1734.	3184.	88.87	71.02	49.63

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.654	.0269	1.108	.0284	.3360	.4334
Stddev	2.173	.0320	20.91	.2464	.8301	1.880
%RSD	131.4	119.1	1886.	866.8	247.1	433.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	2.241	-1.099	-.1198	.4867	3.816	.6429
Stddev	3.235	1.874	.5840	.2179	.338	.6604
%RSD	144.3	170.6	487.6	44.78	8.856	102.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-137172/1-a@2 Acquired: 11/28/2012 15:46:03 Type: QC
 Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	4.420	.3627	1.211	24.47
Stddev	1.364	.1556	1.315	20.25
%RSD	30.87	42.92	108.6	82.74

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	1507.9	16669.	1401.2
Stddev	3.7	50.	8.4
%RSD	.24694	.29981	.60028

Sample Name: 460-47118-d-10-a@4 Acquired: 11/28/2012 15:49:50 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49320.	18.87	-1.087	247.2	2.047	3666.	.0399	29.40	41.70
Stddev	111.	1.81	.090	.4	.233	23.	.1299	.42	.54
%RSD	.2252	9.576	8.314	.1709	11.40	.6333	325.2	1.416	1.304

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42.48	86990.	1785.	8052.	1293.	36.09	45.33	85.25	-5633
Stddev	.37	110.	14.	13.	4.	13.56	.73	1.52	1.869
%RSD	.8814	.1263	.7885	.1616	.2747	37.57	1.606	1.778	331.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.687	-2.567	69.59	274.7	2.999	1.035	4.266	29.12	473.2
Stddev	.696	1.702	.10	.1	.441	.288	1.151	.25	2.7
%RSD	25.90	66.29	.1508	.0301	14.70	27.80	26.98	.8619	.5734

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	2477.
Stddev	14.
%RSD	.5583

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47118-d-10-a@4 Acquired: 11/28/2012 15:49:50 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1605.2	17478.	1498.2
Stddev	.3	51.	3.8
%RSD	.01833	.28931	.25055

Sample Name: 460-47528-a-5-a@4 Acquired: 11/28/2012 15:53:30 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26240.	45.77	7.982	519.1	1.552	199300.	9.759	25.81
Stddev	41.	1.44	1.082	2.2	.091	765.	.099	.49
%RSD	.1554	3.153	13.55	.4310	5.843	.3838	1.013	1.890

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	349.2	745.1	98050.	6107.	17690.	1263.	19720.	120.0
Stddev	1.2	1.2	192.	41.	16.	6.	61.	.9
%RSD	.3543	.1580	.1962	.6650	.0876	.4645	.3079	.7761

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	922.3	1.671	4.669	-4.772	104.9	1305.	68.45	25.57
Stddev	.5	3.879	1.197	1.383	.3	3.	.38	.25
%RSD	.0537	232.2	25.63	28.99	.2938	.2008	.5559	.9791

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	79.52	806.7	1009.	6937.
Stddev	.93	3.5	5.	88.
%RSD	1.167	.4296	.5260	1.270

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: 460-47528-a-5-a@4 Acquired: 11/28/2012 15:53:30 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1502.9	16247.	1437.3
Stddev	.7	19.	3.8
%RSD	.04846	.11850	.26555

Sample Name: 460-47528-a-14-a@4 Acquired: 11/28/2012 15:57:06 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29480.	17.51	1.943	205.4	1.195	181300.	2.919	25.34
Stddev	224.	1.16	.797	.9	.070	1187.	.108	.47
%RSD	.7601	6.595	41.00	.4472	5.886	.6547	3.712	1.863

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	167.8	253.9	79200.	7236.	19710.	2200.	13190.	94.68
Stddev	.3	.6	212.	51.	76.	5.	64.	.67
%RSD	.2055	.2543	.2680	.7107	.3844	.2127	.4819	.7044

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	916.1	2.977	3.424	-4.089	85.12	1082.	66.75	8.092
Stddev	8.8	2.267	1.253	.743	.86	6.	.12	.067
%RSD	.9568	76.14	36.59	18.18	1.005	.5580	.1747	.8296

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	20.47	910.6	1009.	19630.
Stddev	.98	5.3	1.	164.
%RSD	4.800	.5845	.0963	.8338

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47528-a-14-a@4 Acquired: 11/28/2012 15:57:06 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1515.6	16276.	1440.3
Stddev	6.4	34.	6.3
%RSD	.42534	.21061	.43722

Sample Name: 460-47127-a-3-s du Acquired: 11/28/2012 16:00:40 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.266	-2.523	-1.011	63.92	-0.013	25680.	.0664	.1217	-4365
Stddev	23.76	2.344	.571	.16	.2503	98.	.0789	.2839	.4482
%RSD	451.1	928.9	56.47	.2552	19480.	.3801	118.9	233.3	102.7

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8263	18.78	8369.	1262.	71.47	6290.	2.421	2.013	.2425
Stddev	.8352	1.72	39.	7.	.21	12.	.615	1.457	1.315
%RSD	101.1	9.187	.4677	.5349	.3004	.1938	25.41	72.36	542.1

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.946	-1.015	-.2585	3.143	30.08	.3512	1.614	124.5	-3.027
Stddev	1.237	2.055	.5478	.147	.66	.2331	.996	.4	.396
%RSD	42.00	202.6	211.9	4.694	2.179	66.37	61.72	.2895	13.08

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	4201.
Stddev	34.
%RSD	.8079

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47127-a-3-s du Acquired: 11/28/2012 16:00:40 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1521.3	16703.	1417.9
Stddev	8.0	81.	3.2
%RSD	.52552	.48786	.22920

Sample Name: 460-47127-a-3-r Acquired: 11/28/2012 16:04:22 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.48	.2621	-1.377	63.60	.1966	25550.	.0986	.1192	-.5112
Stddev	7.98	3.696	.998	.14	.1787	181.	.0577	.5831	.1993
%RSD	34.01	1410.	72.51	.2157	90.93	.7094	58.49	489.1	39.00

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2098	16.91	8335.	1226.	70.63	6269.	2.659	2.905	-.8115
Stddev	.8103	9.69	71.	7.	.17	14.	.649	1.754	3.160
%RSD	386.2	57.33	.8466	.5457	.2454	.2303	24.40	60.39	389.4

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.469	-.1972	.2721	3.352	30.47	.1462	1.434	123.7	-1.407
Stddev	3.565	1.204	.6000	.185	.75	.0579	1.147	.8	1.913
%RSD	242.7	610.7	220.5	5.524	2.476	39.62	80.02	.6335	135.9

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	4122.
Stddev	36.
%RSD	.8629

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47127-a-3-r Acquired: 11/28/2012 16:04:22 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1505.2	16498.	1405.5
Stddev	2.6	31.	12.9
%RSD	.17068	.18570	.91874

Sample Name: sd 460-47127-a-3-r@5 Acquired: 11/28/2012 16:08:05 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.26	-4104	-3489	12.66	.0657	5045.	.0767	.0372	-.1643
Stddev	25.06	2.243	.7296	.18	.2908	2.	.1324	.1309	.2146
%RSD	175.8	546.4	209.1	1.404	442.8	.0464	172.7	351.8	130.6

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1064	16.08	1693.	246.1	14.09	1246.	.1991	1.905	2.388
Stddev	.8483	5.81	70.	4.2	.07	25.	.2670	.835	1.712
%RSD	797.0	36.11	4.118	1.702	.4739	1.992	134.1	43.82	71.70

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.681	.2213	-.1420	1.415	6.152	-.1621	1.276	24.69	-1.006
Stddev	.641	3.202	.1671	.311	.620	.2795	.834	.25	.979
%RSD	38.15	1447.	117.7	22.00	10.07	172.5	65.41	.9951	97.26

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	790.8
Stddev	6.7
%RSD	.8465

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: sd 460-47127-a-3-r@5 Acquired: 11/28/2012 16:08:05 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1531.8	16722.	1403.3
Stddev	4.2	37.	4.3
%RSD	.27560	.22121	.30426

Sample Name: 460-47127-a-3-t.ms Acquired: 11/28/2012 16:11:50 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2027.	1917.	46.70	2059.	48.73	46160.	50.37	494.1	196.2
Stddev	26.	2.	.44	6.	.43	172.	.23	.8	.3
%RSD	1.283	.0957	.9493	.2982	.8785	.3723	.4586	.1628	.1624

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	242.3	998.0	27610.	20240.	558.9	26480.	503.6	514.3	487.8
Stddev	.4	11.8	79.	53.	.7	83.	.8	1.3	2.5
%RSD	.1688	1.179	.2876	.2606	.1306	.3141	.1651	.2558	.5068

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1884.	2116.	481.9	500.0	510.4	490.1	506.8	595.6	479.6
Stddev	1.	3.	.6	1.8	2.4	.5	1.5	1.2	1.7
%RSD	.0318	.1525	.1241	.3532	.4633	.1107	.3044	.1990	.3461

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	4262.
Stddev	16.
%RSD	.3823

Check ? Chk Pass
High Limit
Low Limit

Sample Name: 460-47127-a-3-t.ms Acquired: 11/28/2012 16:11:50 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1495.7	16190.	1397.9
Stddev	2.6	47.	1.1
%RSD	.17642	.29082	.08046

Sample Name: pds 460-47127-a-3-r Acquired: 11/28/2012 16:15:19 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1877.	1814.	45.22	1955.	46.17	44360.	47.87	469.9	186.5
Stddev	14.	10.	.81	12.	.01	103.	.19	1.1	.9
%RSD	.7434	.5317	1.781	.5907	.0204	.2313	.4001	.2358	.4738

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	237.6	971.8	26320.	19300.	534.4	25200.	480.1	488.2	467.7
Stddev	1.1	15.6	103.	80.	1.3	62.	1.0	2.3	.9
%RSD	.4481	1.607	.3913	.4133	.2423	.2467	.2108	.4611	.1878

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1785.	2018.	457.4	474.2	484.1	466.8	483.8	566.8	455.3
Stddev	8.	6.	1.3	2.0	.6	2.7	1.2	1.7	1.3
%RSD	.4558	.3107	.2864	.4131	.1300	.5870	.2524	.2987	.2922

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	4227.
Stddev	24.
%RSD	.5646

Check ? Chk Pass
High Limit
Low Limit

Sample Name: pds 460-47127-a-3-r Acquired: 11/28/2012 16:15:19 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1496.3	16198.	1410.4
Stddev	8.7	16.	8.3
%RSD	.58302	.09931	.58953

Sample Name: lcs 460-137227/2-a Acquired: 11/28/2012 16:18:48 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1997.	1885.	45.53	1995.	48.22	21140.
Stddev	23.	6.	.52	7.	.75	161.
%RSD	1.159	.2994	1.147	.3740	1.551	.7608

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.20	494.0	193.4	241.8	988.4	19260.
Stddev	.22	.9	1.0	.5	6.6	201.
%RSD	.4386	.1905	.5380	.2233	.6650	1.044

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	18710.	483.8	20400.	502.2	513.2	480.0
Stddev	44.	1.8	34.	1.2	4.6	.6
%RSD	.2346	.3786	.1689	.2352	.8965	.1309

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	1856.	2130.	474.3	492.9	477.2	488.7
Stddev	2.	8.	.9	1.9	1.1	1.7
%RSD	.1047	.3936	.1937	.3846	.2260	.3497

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-137227/2-a Acquired: 11/28/2012 16:18:48 Type: QC
Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	502.7	467.3	475.0	68.40
Stddev	2.0	3.5	8.5	28.38
%RSD	.3996	.7417	1.787	41.49

Check ?	Chk Pass	Chk Pass	Chk Pass	None
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	1490.1	16267.	1393.6
Stddev	3.2	98.	11.6
%RSD	.21597	.60226	.83476

Sample Name: CCV Acquired: 11/28/2012 16:22:20 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121200.	2420.	1190.	9824.	956.3	125600.
Stddev	221.	6.	4.	11.	3.2	564.
%RSD	.1823	.2536	.3703	.1157	.3318	.4490

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1229.	2426.	4793.	12160.	96130.	47890.
Stddev	2.	2.	15.	19.	273.	158.
%RSD	.1491	.0753	.3117	.1526	.2841	.3303

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	117200.	4788.	123200.	2433.	7460.	961.8
Stddev	429.	8.	299.	3.	6.	2.9
%RSD	.3664	.1615	.2428	.1295	.0783	.3051

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2384.	2460.	2386.	2433.	969.8	2460.
Stddev	7.	2.	8.	3.	3.1	12.
%RSD	.3098	.0807	.3515	.1351	.3153	.5010

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/28/2012 16:22:20 Type: QC
Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	970.3	4783.	9619.	9563.
Stddev	4.1	16.	22.	104.
%RSD	.4227	.3277	.2242	1.083

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	1409.5	15214.	1365.7
Stddev	.7	69.	11.3
%RSD	.05152	.45315	.82896

Sample Name: CCB Acquired: 11/28/2012 16:25:41 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.378	.1456	-.9791	.5001	.0697	-4.034
Stddev	7.024	2.586	.6413	.2128	.0837	15.24
%RSD	95.20	1777.	65.50	42.55	120.1	377.7

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0566	-.1405	.0951	-.5094	31.29	117.4
Stddev	.2491	.4312	.6143	.3890	15.21	47.7
%RSD	440.1	306.8	646.2	76.36	48.61	40.65

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.415	.1809	25.80	-.1782	2.804	-.7560
Stddev	6.109	.2261	40.56	.2577	.739	2.112
%RSD	253.0	125.0	157.2	144.7	26.35	279.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	.9297	-2.862	-.1830	-.0078	2.890	5.198
Stddev	3.174	1.230	.1193	.3333	.471	3.596
%RSD	341.4	42.97	65.22	4268.	16.30	69.19

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/28/2012 16:25:41 Type: QC
 Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1.161	.3875	1.026	-14.52
Stddev	.360	.4669	2.552	6.32
%RSD	30.98	120.5	248.7	43.53

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	1517.3	16557.	1391.5
Stddev	4.7	44.	5.4
%RSD	.31010	.26378	.38551

Sample Name: mb 460-137229/1-b Acquired: 11/28/2012 16:29:29 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.048	-1.284	-1.086	.0734	-.0562	22.19
Stddev	25.69	1.281	.226	.2737	.1661	14.84
%RSD	842.7	99.74	20.81	372.8	295.5	66.89

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0534	-.1104	.2019	-.4380	13.24	91.56
Stddev	.1349	.4034	.4751	.3562	8.65	72.49
%RSD	252.8	365.5	235.4	81.33	65.30	79.18

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5596	.0305	-31.11	.1601	1.339	.3554
Stddev	3.111	.0448	9.71	.4783	1.548	2.020
%RSD	556.0	146.8	31.21	298.8	115.5	568.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-.6567	-1.113	-.4072	.1650	1.757	.3839
Stddev	2.210	1.292	.0829	.0426	1.006	.2226
%RSD	336.6	116.0	20.36	25.81	57.28	57.98

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-137229/1-b Acquired: 11/28/2012 16:29:29 Type: QC
Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1.343	.1563	1.294	19.81
Stddev	1.172	.1560	2.128	10.67
%RSD	87.29	99.76	164.4	53.84

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	1570.5	17065.	1419.6
Stddev	2.1	66.	4.2
%RSD	.13503	.38730	.29896

Sample Name: 460-47127-a-5-f Acquired: 11/28/2012 16:33:14 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	72.86	2.327	-.0582	333.1	-.0401	24310.	.1982	.2467	-.2896
Stddev	19.02	.267	.3669	.5	.3036	77.	.0436	.1256	.4964
%RSD	26.11	11.46	630.9	.1565	757.9	.3150	22.02	50.93	171.4

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8810	13.45	18610.	3923.	103.9	97650.	2.019	2.459	1.863
Stddev	.1328	19.45	70.	12.	.6	150.	.615	2.087	2.172
%RSD	15.07	144.7	.3787	.3015	.6134	.1533	30.47	84.87	116.6

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.479	-1.289	-.0646	6.378	24.96	.3675	.4290	240.9	.7300
Stddev	1.652	1.501	.9024	.169	.04	.2056	.9340	1.1	.9794
%RSD	66.64	116.5	1396.	2.649	.1654	55.95	217.7	.4735	134.2

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	4255.
Stddev	29.
%RSD	.6917

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47127-a-5-f Acquired: 11/28/2012 16:33:14 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1487.9	15997.	1398.2
Stddev	.8	39.	6.0
%RSD	.05600	.24449	.43193

Sample Name: 460-47127-c-7-f Acquired: 11/28/2012 16:36:56 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	62.51	-4992	-4426	329.8	.2631	23590.	.1619	-.0743	-.3841
Stddev	19.86	3.040	1.128	1.3	.1605	141.	.0522	.2110	.2012
%RSD	31.78	609.0	254.9	.4032	61.01	.5962	32.28	283.9	52.39

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9892	19.27	18210.	3801.	56.52	98210.	1.501	1.864	1.226
Stddev	.7782	5.74	86.	12.	.33	503.	.385	2.242	2.543
%RSD	78.67	29.78	.4734	.3210	.5778	.5126	25.67	120.2	207.4

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5929	-1.349	.1217	4.302	24.18	.1460	.0691	238.1	-.1379
Stddev	5.375	3.097	.3931	.098	.44	.3536	.9447	2.0	2.216
%RSD	906.7	229.6	322.9	2.272	1.801	242.2	1367.	.8450	1607.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	4118.
Stddev	21.
%RSD	.5036

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-47127-c-7-f Acquired: 11/28/2012 16:36:56 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1490.1	15988.	1394.7
Stddev	1.8	12.	8.9
%RSD	.12243	.07397	.63695

Sample Name: 460-46388-e-3-g Acquired: 11/28/2012 16:40:37 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.381	-.2651	-.7467	251.6	.1680	19430.	.0847	21.74	-1.086
Stddev	8.030	1.462	.0282	1.2	.1126	70.	.1420	.20	.499
%RSD	183.3	551.7	3.770	.4933	67.01	.3581	167.7	.9257	45.97

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2737	717.7	2010.	6588.	2027.	22240.	5.915	3.249	2.204
Stddev	.3112	10.1	17.	13.	2.	79.	.103	1.239	.998
%RSD	113.7	1.409	.8528	.1931	.1225	.3547	1.746	38.12	45.27

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1735	-.8676	-.2581	9.160	7.828	.0374	-.1991	170.8	-1.352
Stddev	2.666	1.485	.4428	.168	.442	.1860	.8278	.3	.511
%RSD	1536.	171.2	171.6	1.832	5.640	497.4	415.8	.1507	37.82

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	6722.
Stddev	24.
%RSD	.3640

Check ? **Chk Pass**
High Limit
Low Limit

Sample Name: 460-46388-e-3-g Acquired: 11/28/2012 16:40:37 Type: Unk
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	1522.8	16443.	1408.9
Stddev	4.6	38.	2.7
%RSD	.30318	.23136	.18834

Sample Name: CCV Acquired: 11/28/2012 16:44:20 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120200.	2410.	1189.	9752.	953.5	124200.
Stddev	225.	10.	2.	25.	7.9	812.
%RSD	.1870	.4173	.1778	.2561	.8305	.6540

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1224.	2421.	4813.	12120.	96550.	47660.
Stddev	3.	4.	17.	35.	376.	220.
%RSD	.2360	.1777	.3514	.2894	.3891	.4622

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	118200.	4811.	121800.	2433.	7422.	962.4
Stddev	508.	3.	281.	1.	15.	5.6
%RSD	.4294	.0587	.2306	.0544	.2078	.5831

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2389.	2459.	2386.	2426.	964.9	2448.
Stddev	7.	6.	6.	5.	3.5	18.
%RSD	.3072	.2426	.2586	.2024	.3635	.7303

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/28/2012 16:44:20 Type: QC
 Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	968.4	4775.	9599.	9415.
Stddev	2.2	26.	28.	58.
%RSD	.2242	.5525	.2880	.6113

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	1422.3	15227.	1373.7
Stddev	1.1	24.	7.4
%RSD	.07676	.15989	.53716

Sample Name: CCB Acquired: 11/28/2012 16:47:43 Type: QC
Method: SW_110712(v10) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.896	-1.797	-1.069	.5638	.1470	15.80
Stddev	40.97	2.839	.598	.3306	.0412	16.21
%RSD	2161.	158.0	55.89	58.63	28.03	102.6

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0446	-.1985	-.0197	-.5477	19.99	154.6
Stddev	.0602	.2629	.7211	.2671	14.29	24.4
%RSD	135.1	132.4	3652.	48.77	71.47	15.78

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.185	.1869	16.87	.3049	1.917	.7755
Stddev	6.387	.2074	37.41	.1874	2.339	1.652
%RSD	152.6	111.0	221.7	61.46	122.0	213.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-.4354	-2.582	-.0602	-.0460	2.016	4.651
Stddev	3.752	1.016	.1324	.1454	1.002	4.033
%RSD	861.6	39.35	219.8	316.2	49.69	86.71

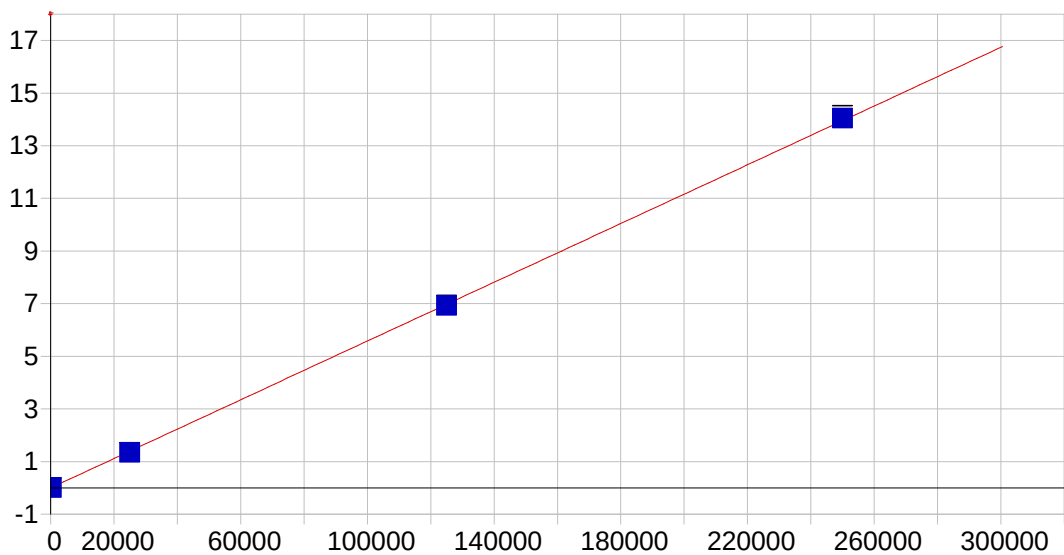
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/28/2012 16:47:43 Type: QC
Method: SW_110712(v10) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.7767	.4046	3.075	5.429
Stddev	1.000	.3171	1.941	16.33
%RSD	128.8	78.39	63.13	300.8

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	1530.8	16544.	1394.6
Stddev	6.1	42.	6.6
%RSD	.39881	.25665	.47242

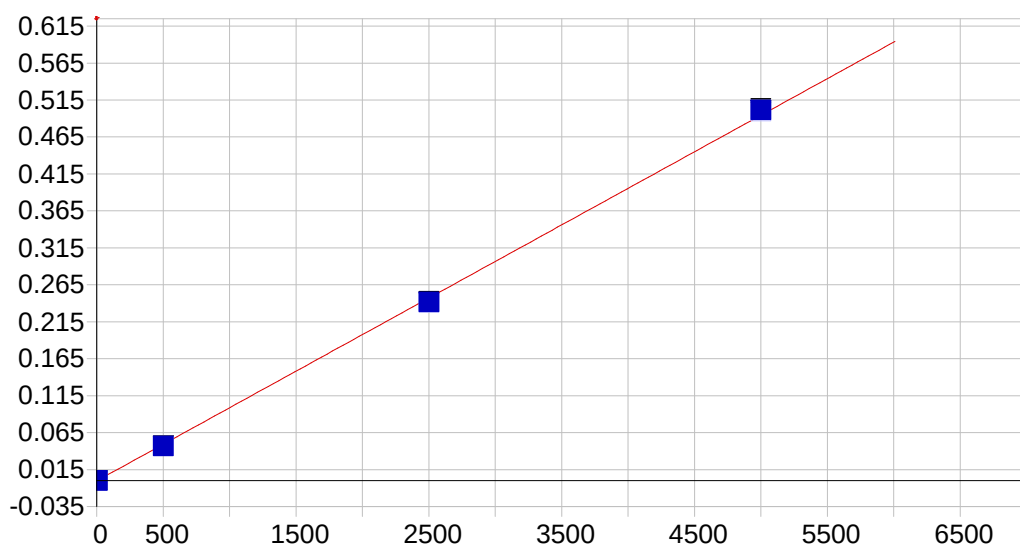


AI 396.152 { 85 }

Date of Fit: 10/27/2012 11:21:06 Type of Fit: Linear Weighting: 1/Conc

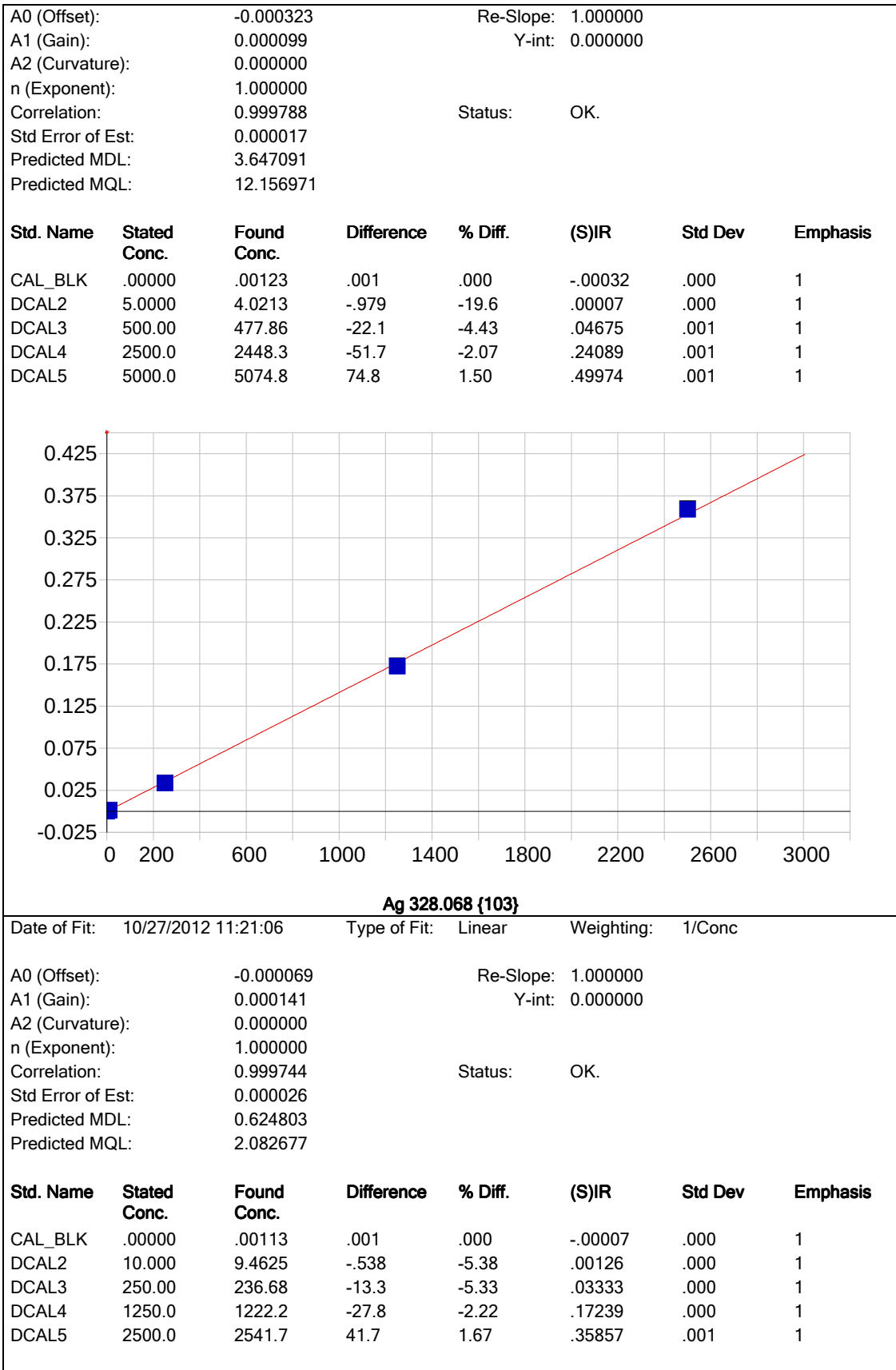
A0 (Offset): -0.000724 Re-Slope: 1.000000
 A1 (Gain): 0.000056 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999937 Status: OK.
 Std Error of Est: 0.000229
 Predicted MDL: 6.027764
 Predicted MQL: 20.092547

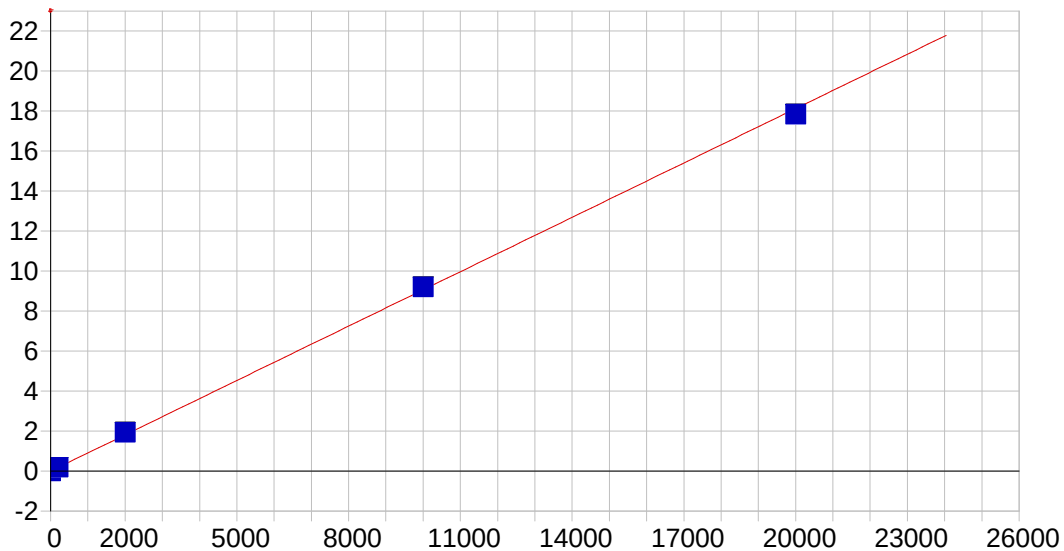
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.01009	.010	.000	-.00072	.000	1
DCAL2	200.00	197.05	-2.95	-1.48	.01029	.000	1
DCAL3	25000.	24105.	-895.	-3.58	1.3456	.002	1
DCAL4	125000.	124130.	-875.	-.700	6.9317	.007	1
DCAL5	250000.	251770.	1770.	.709	14.061	.096	1



As 189.042 { 478 }

Date of Fit: 10/27/2012 11:21:06 Type of Fit: Linear Weighting: 1/Conc



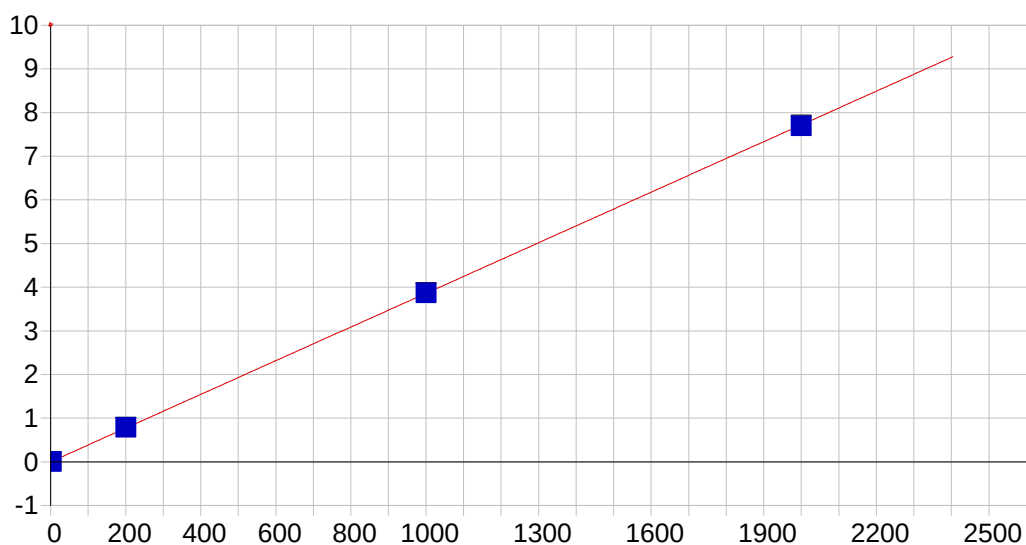


Ba 233.527 {445}

Date of Fit: 10/27/2012 11:21:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000171 Re-Slope: 1.000000
 A1 (Gain): 0.000906 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999713 Status: OK.
 Std Error of Est: 0.002245
 Predicted MDL: 0.385213
 Predicted MQL: 1.284044

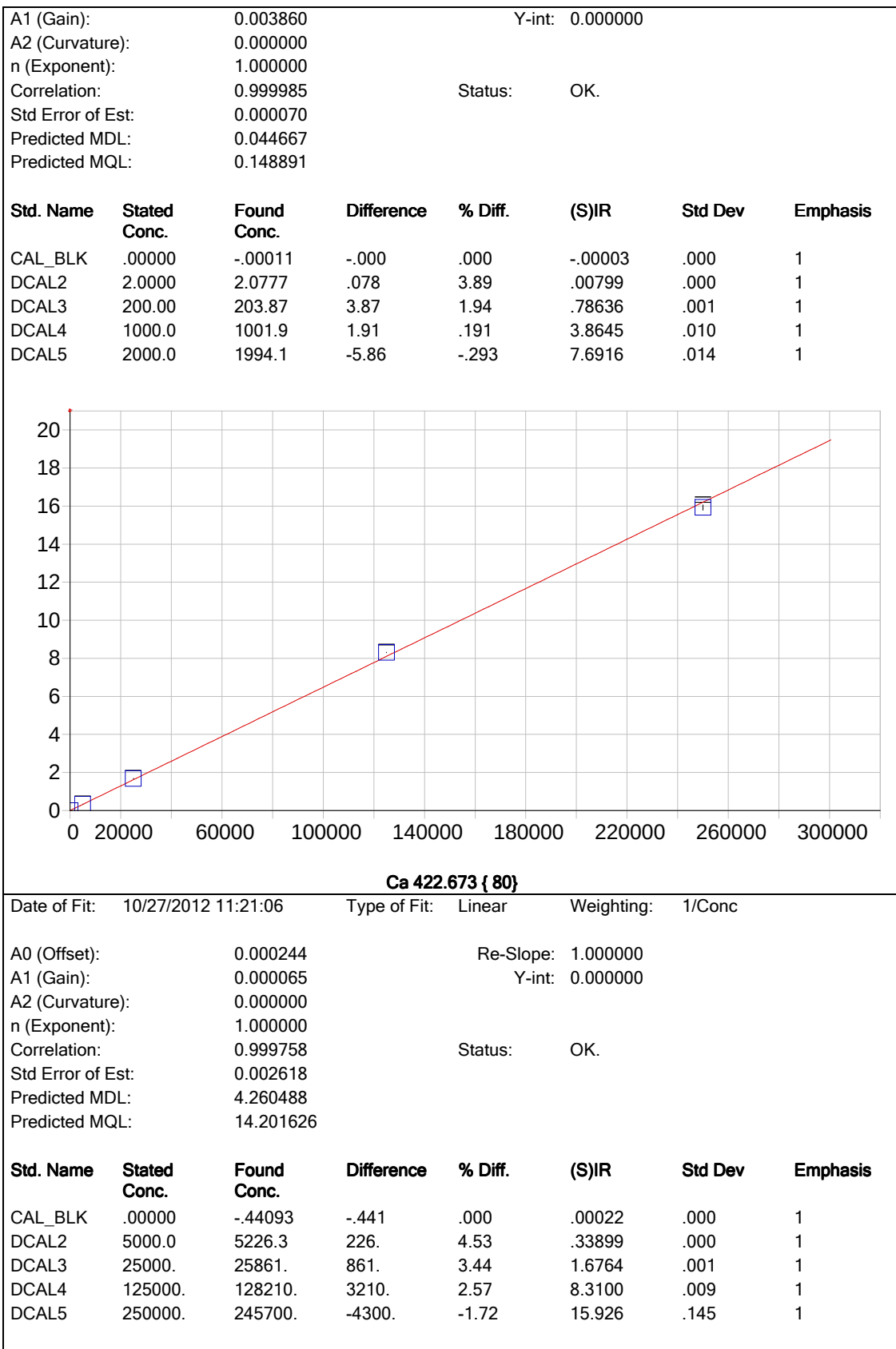
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.02871	-.029	.000	.00014	.000	1
DCAL2	200.00	214.71	14.7	7.35	.19469	.000	1
DCAL3	2000.0	2139.1	139.	6.96	1.9370	.003	1
DCAL4	10000.	10163.	163.	1.63	9.2013	.010	1
DCAL5	20000.	19683.	-317.	-1.58	17.820	.013	1

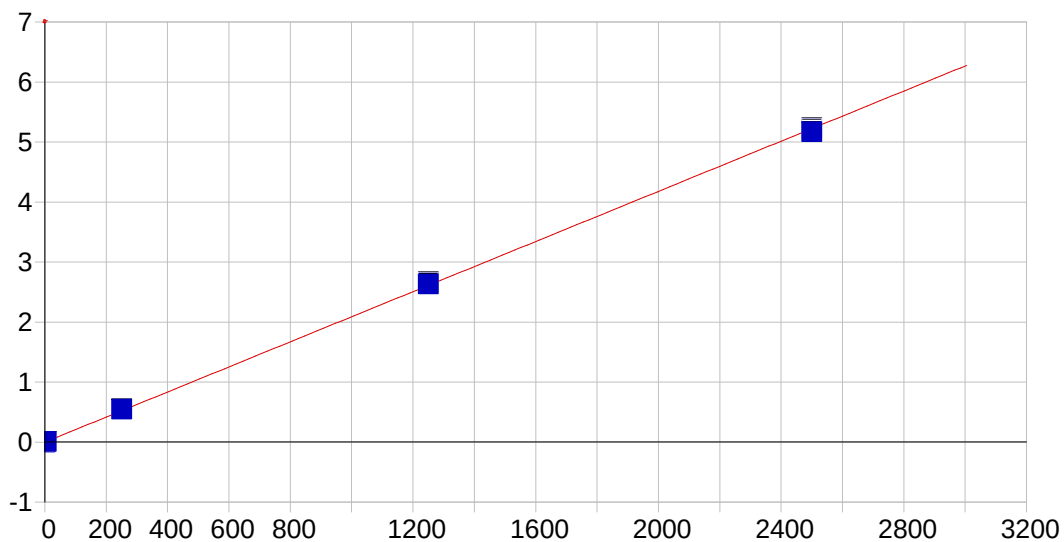


Be 313.042 {108}

Date of Fit: 10/27/2012 11:21:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000025 Re-Slope: 1.000000



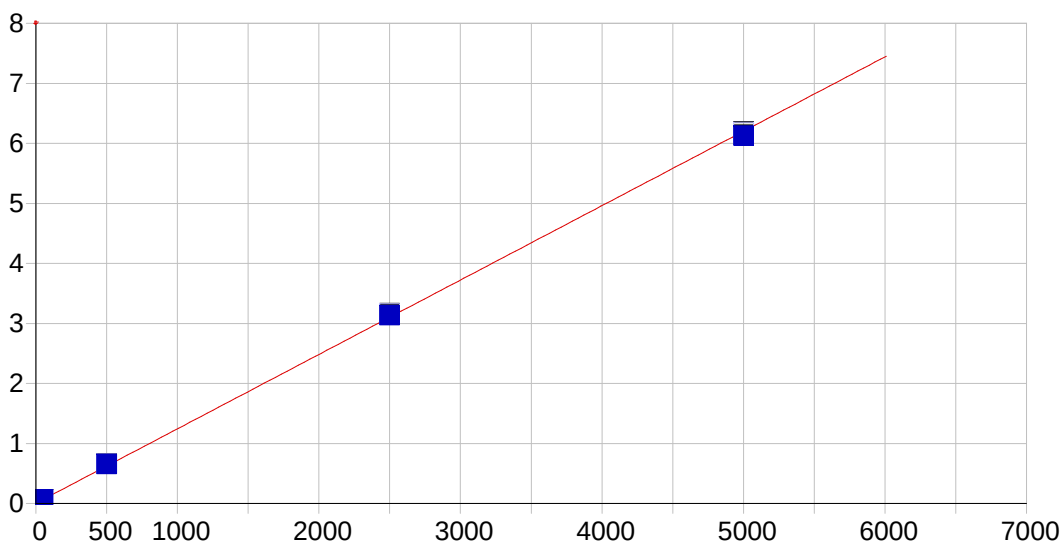


Cd 226.502 {449}

Date of Fit: 10/27/2012 11:21:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001213 Re-Slope: 1.000000
 A1 (Gain): 0.002089 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999877 Status: OK.
 Std Error of Est: 0.000171
 Predicted MDL: 0.235046
 Predicted MQL: 0.783487

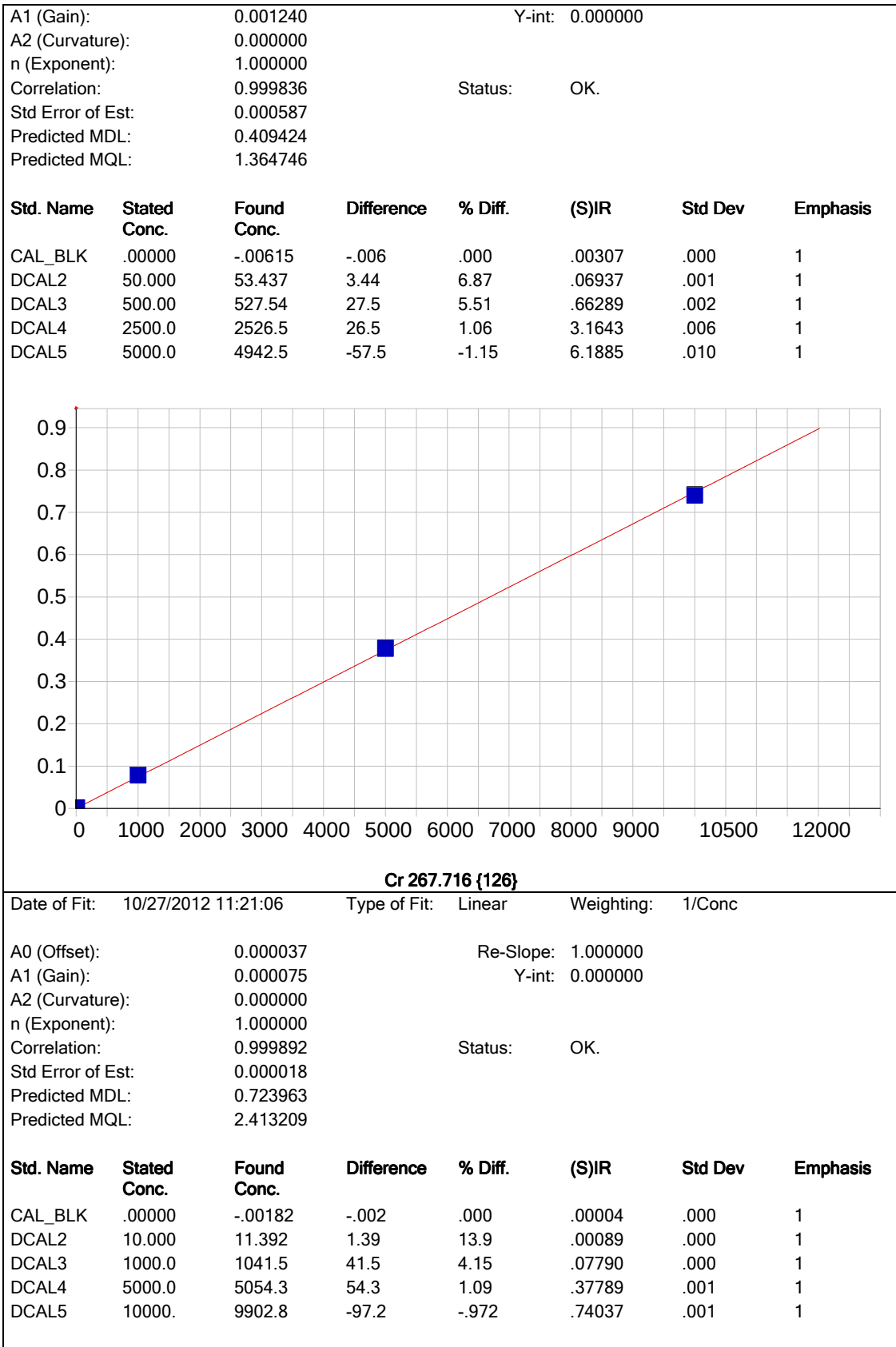
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00057	-.001	.000	-.00121	.000	1
DCAL2	4.0000	4.3711	.371	9.28	.00796	.000	1
DCAL3	250.00	262.63	12.6	5.05	.55310	.001	1
DCAL4	1250.0	1261.3	11.3	.900	2.6620	.008	1
DCAL5	2500.0	2475.8	-24.2	-.970	5.2275	.006	1

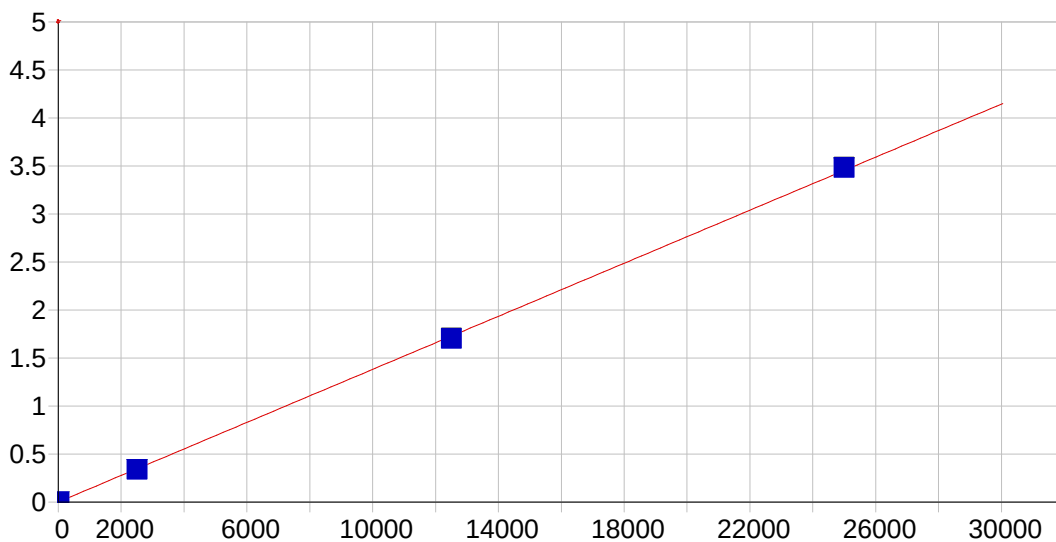


Co 228.616 {447}

Date of Fit: 10/27/2012 11:21:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003081 Re-Slope: 1.000000



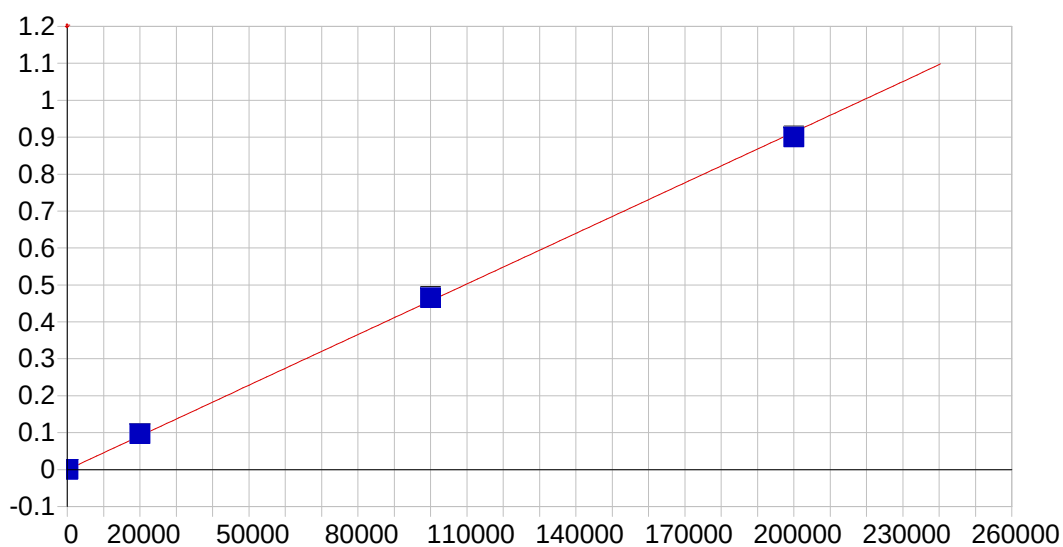


Cu 324.754 {104}

Date of Fit: 10/27/2012 11:21:06 Type of Fit: Linear Weighting: 1/Conc

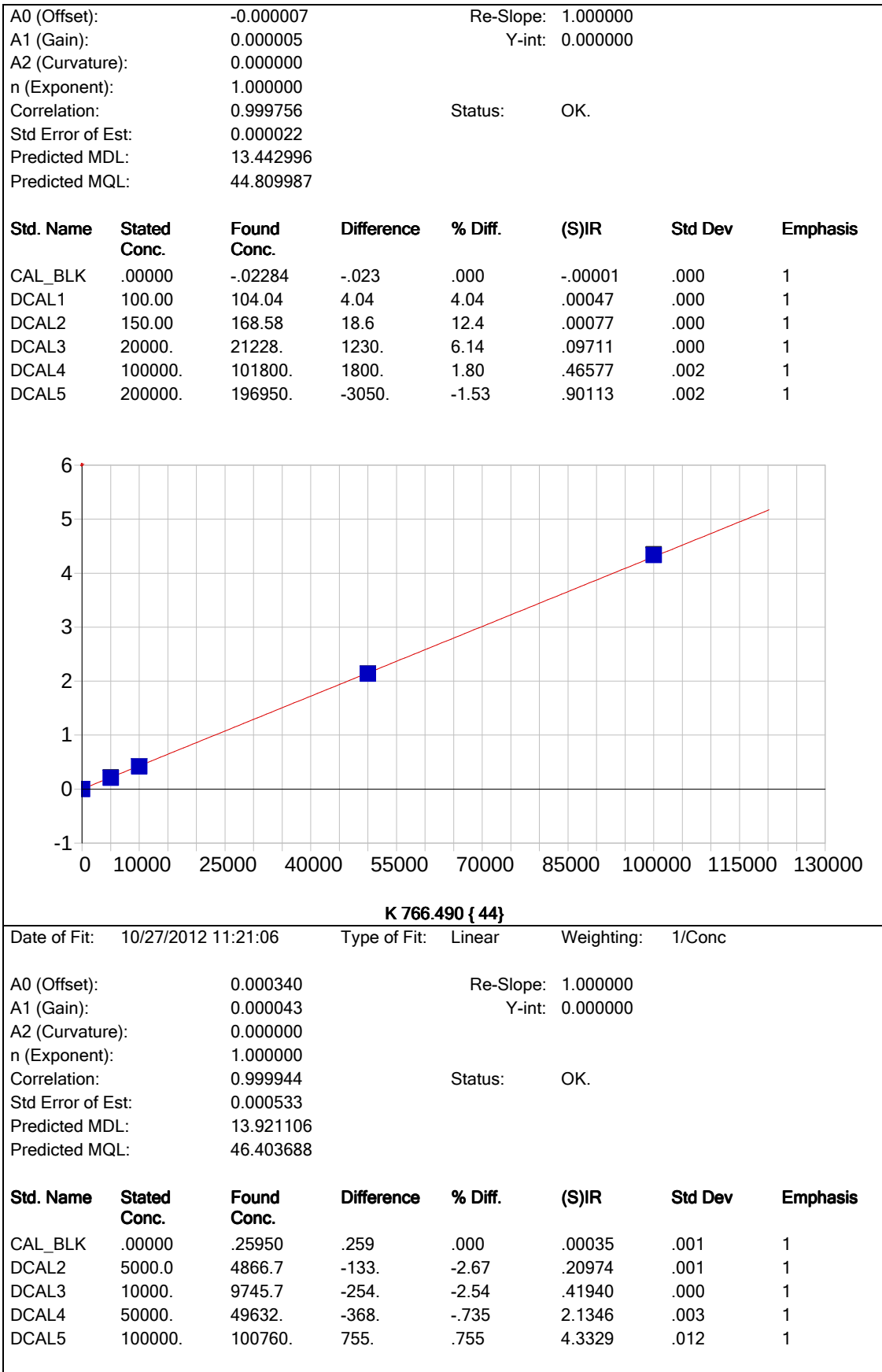
A0 (Offset): 0.001124 Re-Slope: 1.000000
 A1 (Gain): 0.000138 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999944 Status: OK.
 Std Error of Est: 0.000036
 Predicted MDL: 1.187981
 Predicted MQL: 3.959938

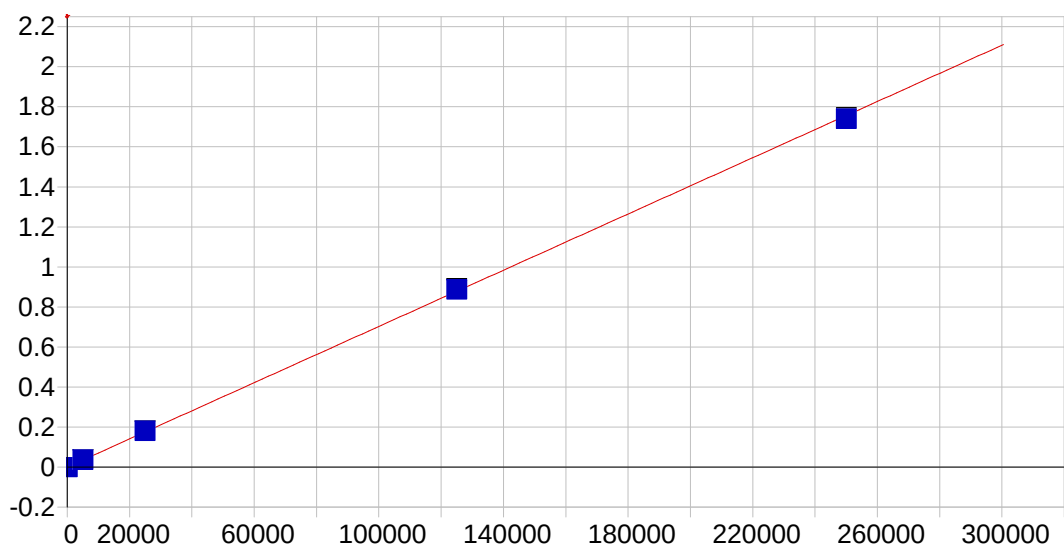
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00029	-.000	.000	.00112	.000	1
DCAL1	10.000	10.063	.063	.626	.00251	.000	1
DCAL2	25.000	26.060	1.06	4.24	.00472	.000	1
DCAL3	2500.0	2463.4	-36.6	-1.46	.34109	.000	1
DCAL4	12500.	12333.	-167.	-1.33	1.7032	.001	1
DCAL5	25000.	25202.	202.	.809	3.4792	.004	1



Fe 271.441 {124}

Date of Fit: 10/27/2012 11:21:06 Type of Fit: Linear Weighting: 1/Conc



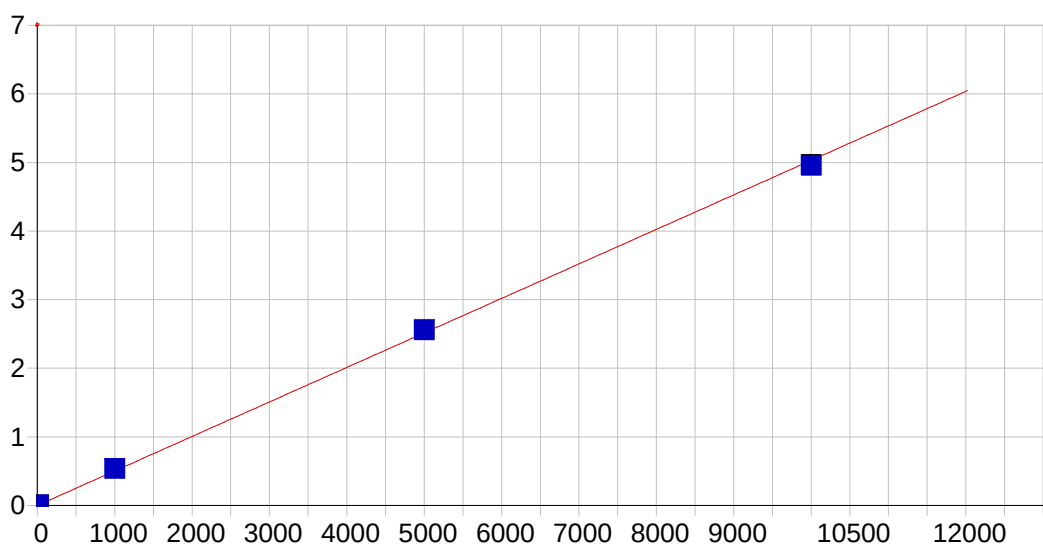


Mg 279.079 {121}

Date of Fit: 10/27/2012 11:21:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000030 Re-Slope: 1.000000
 A1 (Gain): 0.000007 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999926 Status: OK.
 Std Error of Est: 0.000157
 Predicted MDL: 7.832127
 Predicted MQL: 26.107089

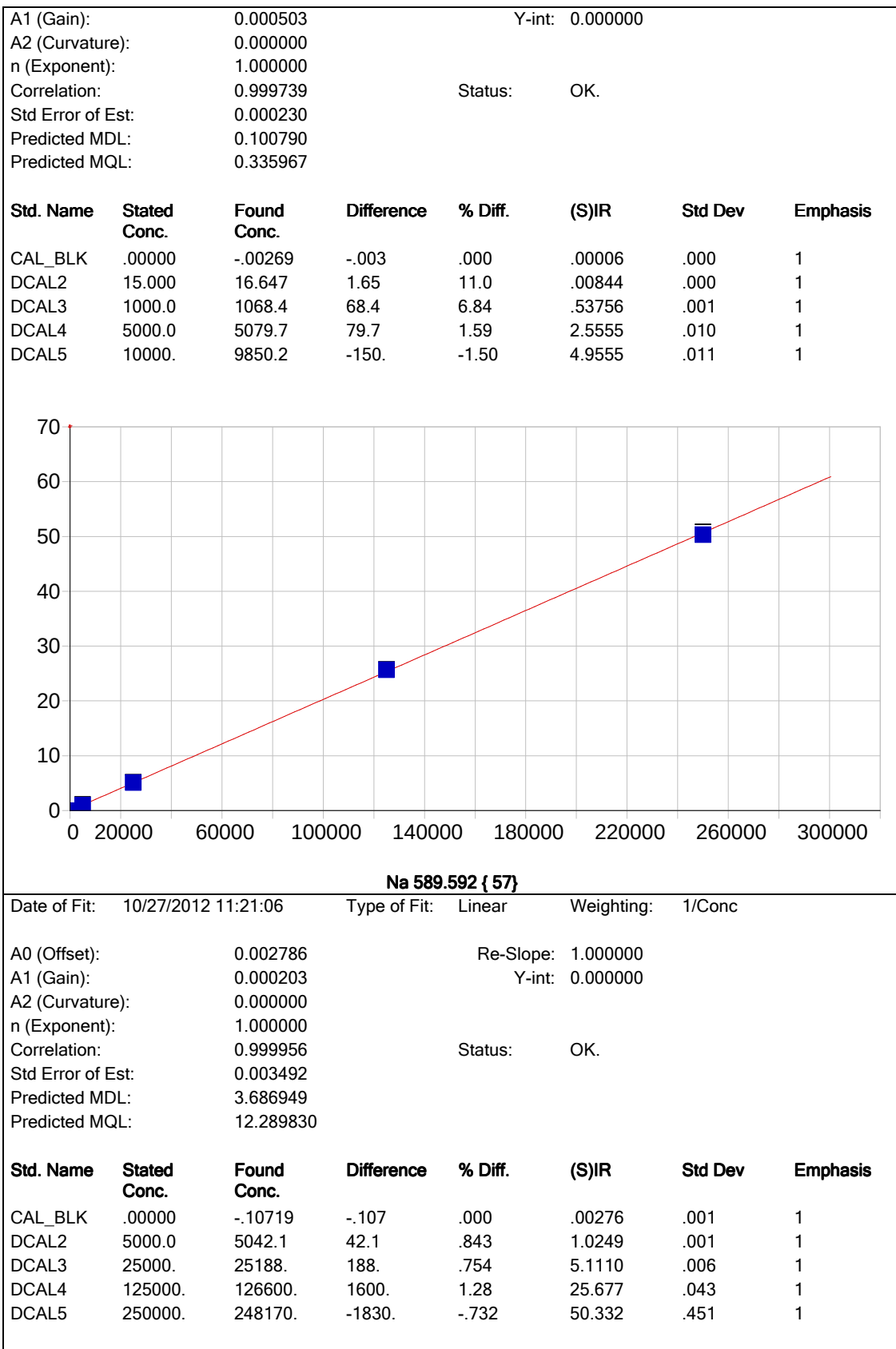
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.29345	-.293	.000	.00003	.000	1
DCAL2	5000.0	5140.3	140.	2.81	.03614	.000	1
DCAL3	25000.	25712.	712.	2.85	.18059	.000	1
DCAL4	125000.	126390.	1390.	1.11	.88764	.004	1
DCAL5	250000.	247760.	-2240.	-.898	1.7399	.004	1

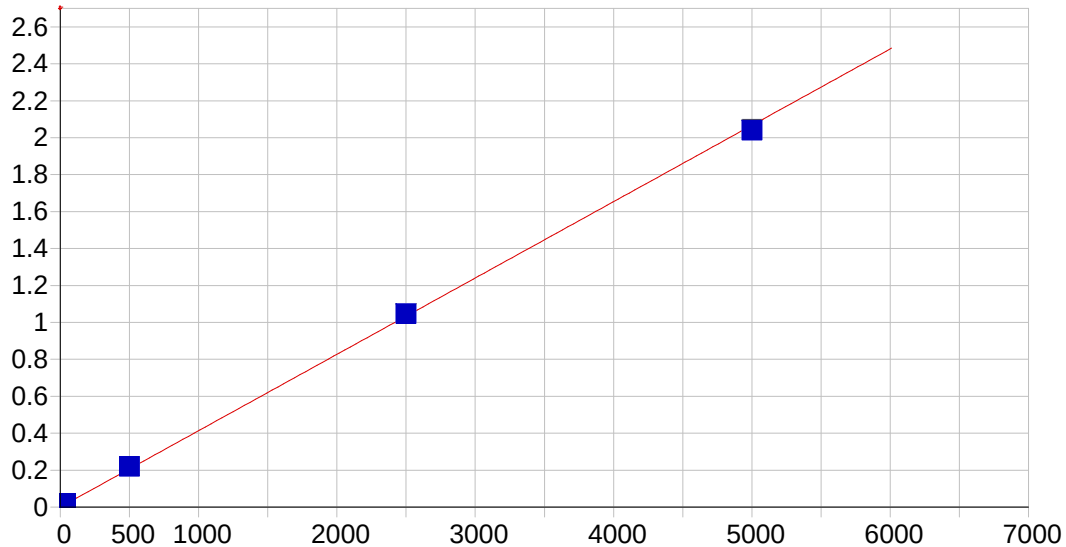


Mn 257.610 {131}

Date of Fit: 10/27/2012 11:21:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000066 Re-Slope: 1.000000



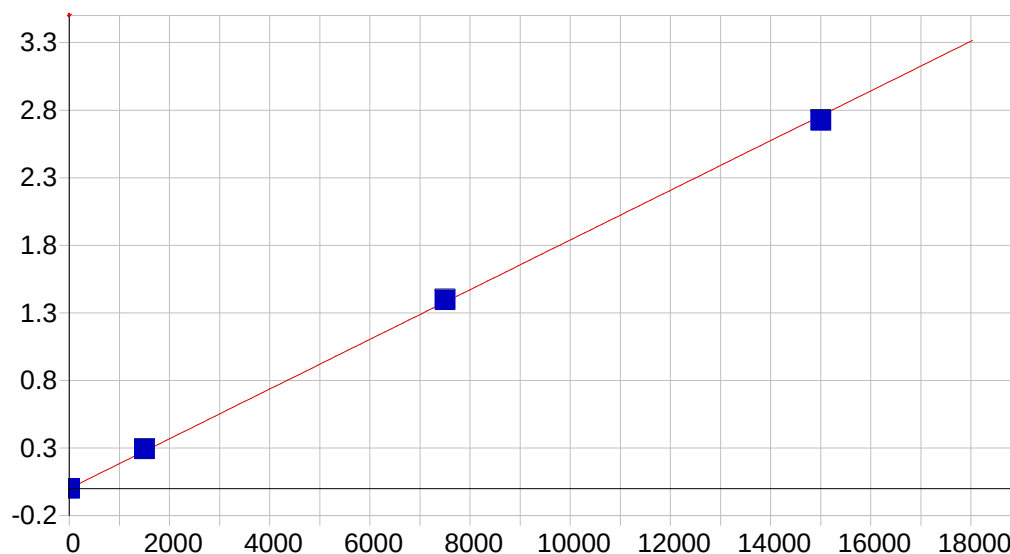


Ni 231.604 {446}

Date of Fit: 10/27/2012 11:21:06 Type of Fit: Linear Weighting: 1/Conc

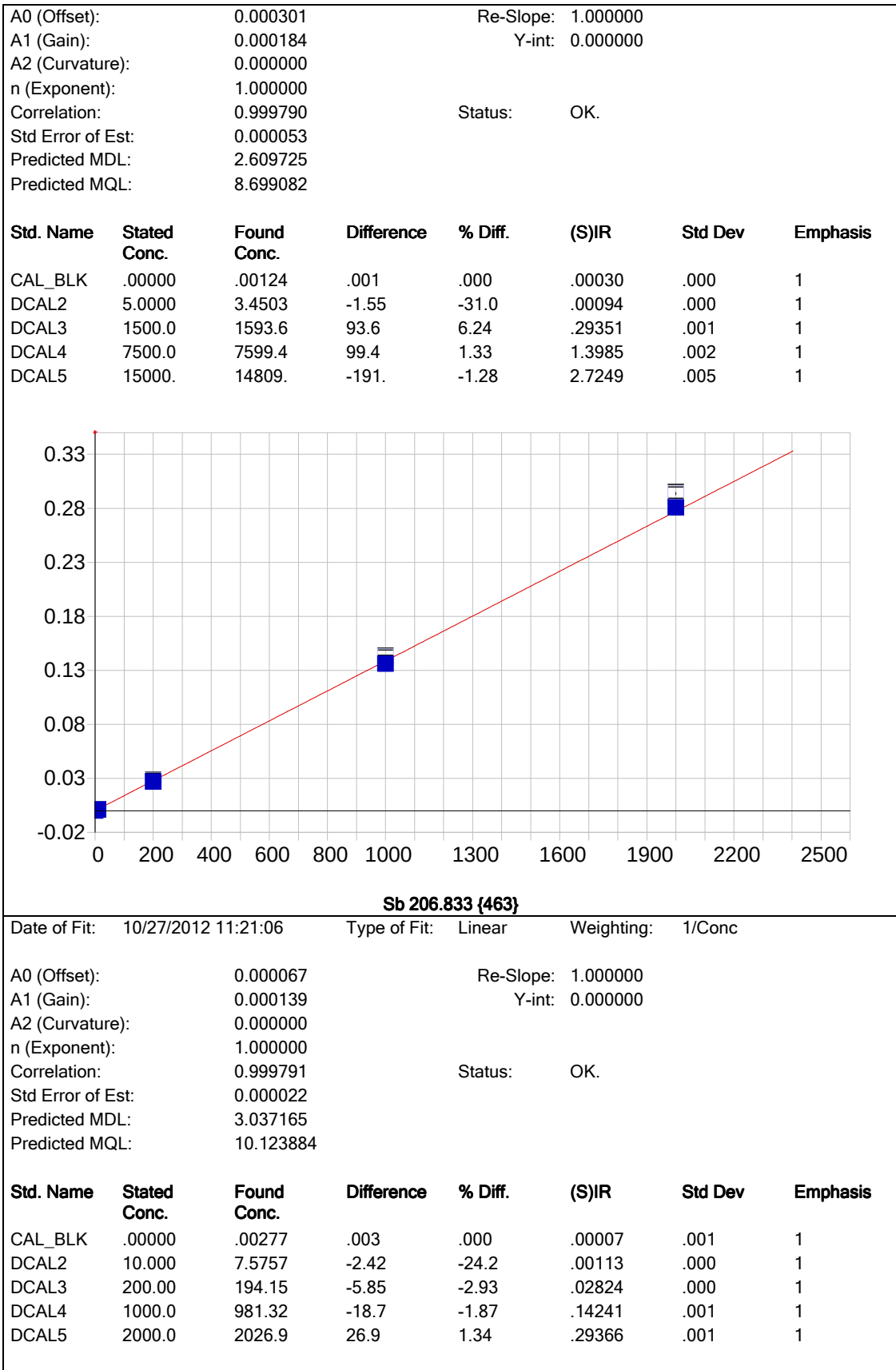
A0 (Offset): 0.000261 Re-Slope: 1.000000
 A1 (Gain): 0.000413 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999775 Status: OK.
 Std Error of Est: 0.000096
 Predicted MDL: 1.080292
 Predicted MQL: 3.600973

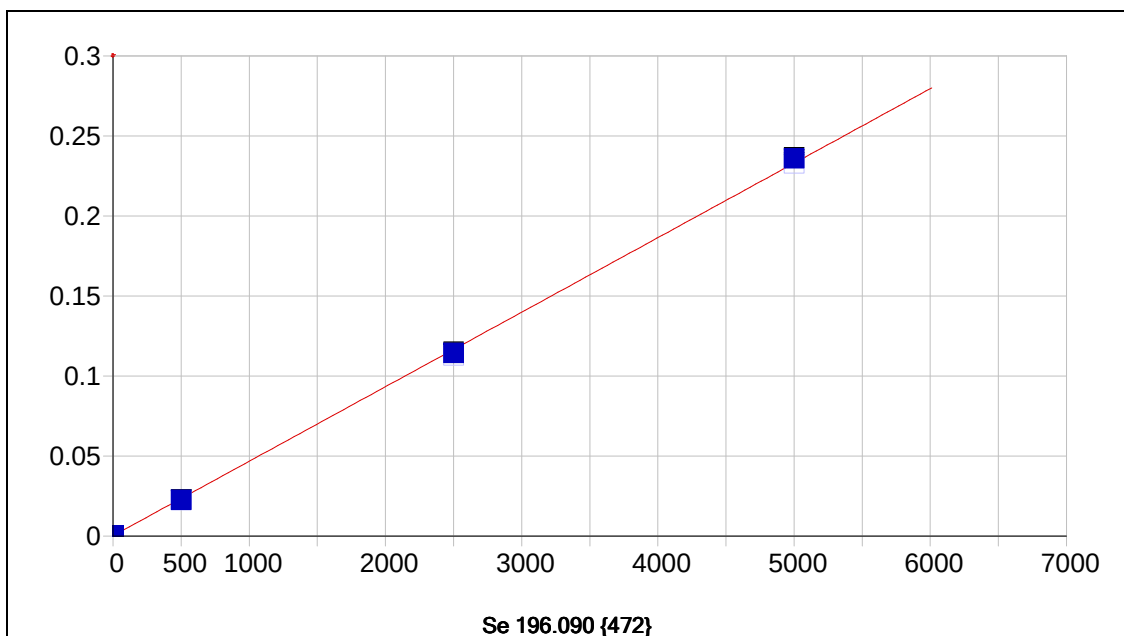
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00277	-.003	.000	.00026	.000	1
DCAL1	10.000	11.114	1.11	11.1	.00486	.000	1
DCAL2	40.000	44.281	4.28	10.7	.01856	.000	1
DCAL3	500.00	529.95	30.0	5.99	.21958	.001	1
DCAL4	2500.0	2530.8	30.8	1.23	1.0477	.002	1
DCAL5	5000.0	4933.9	-66.1	-1.32	2.0423	.002	1



Pb 220.353 {453}

Date of Fit: 10/27/2012 11:21:06 Type of Fit: Linear Weighting: 1/Conc

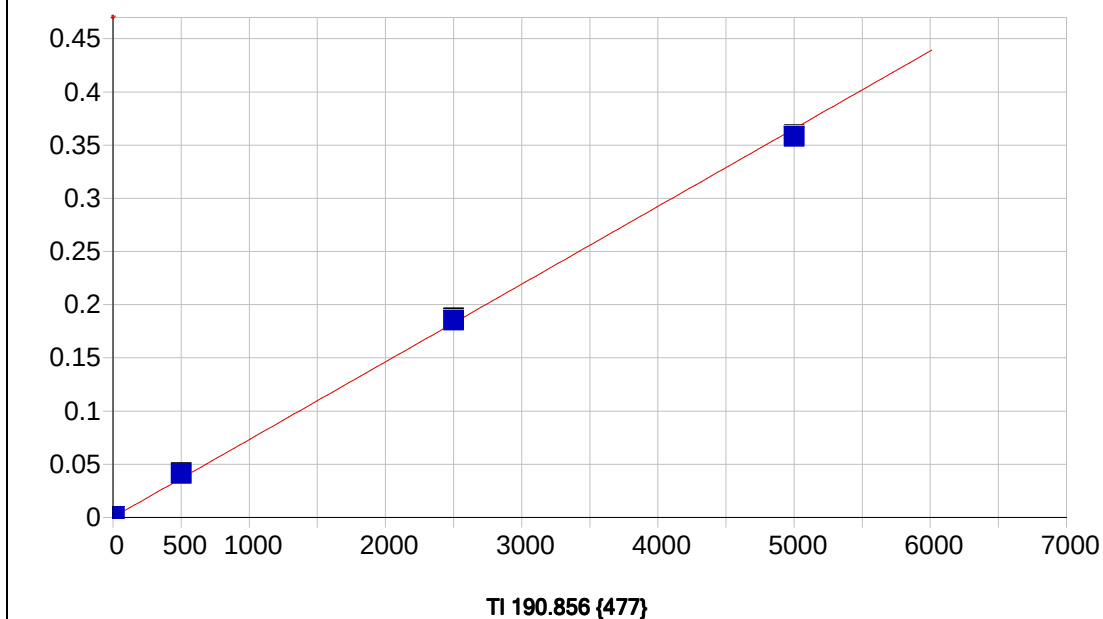




Date of Fit: 10/27/2012 11:21:06 Type of Fit: Linear Weighting: 1/Conc

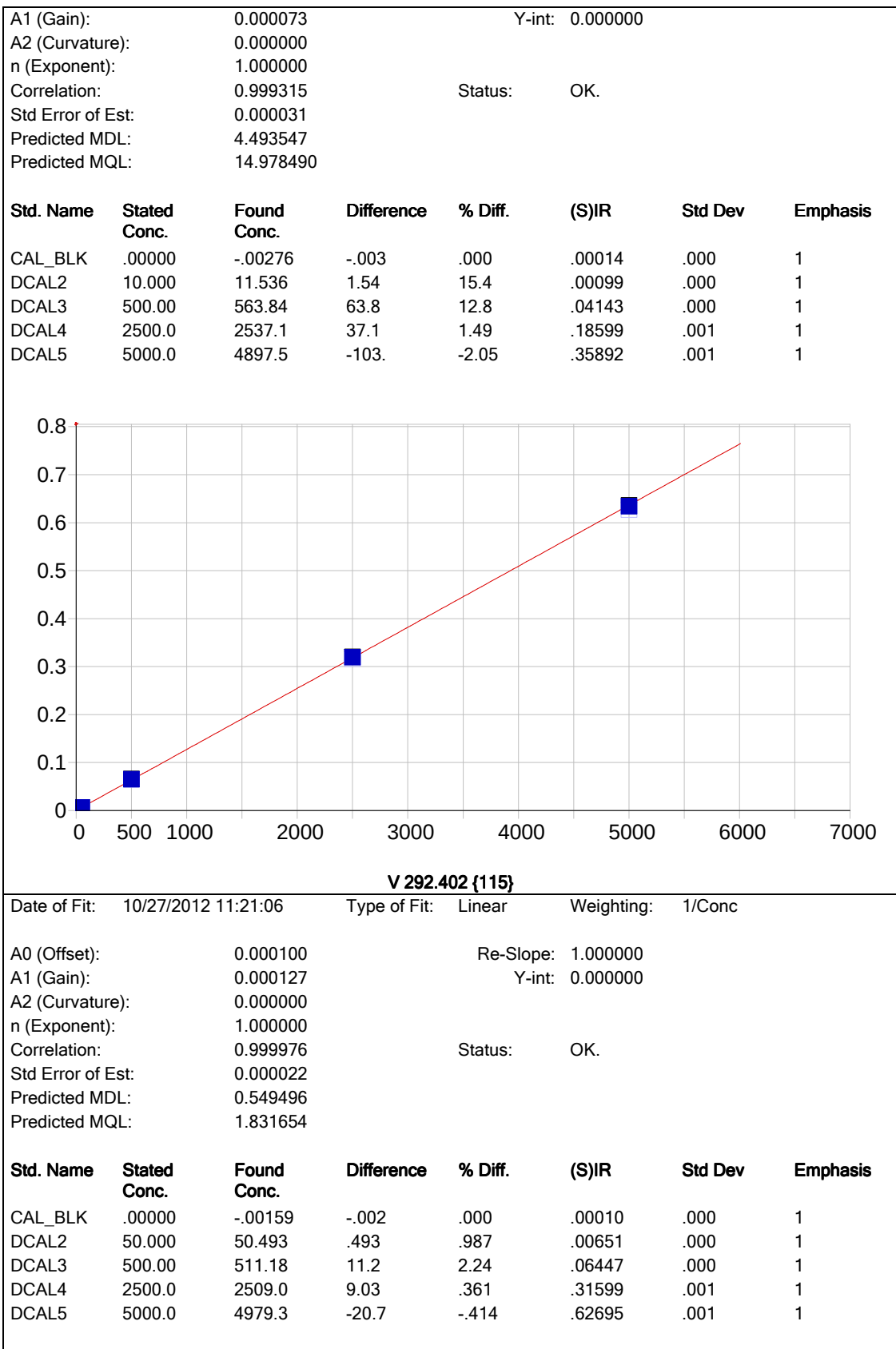
A0 (Offset): 0.000204 Re-Slope: 1.000000
 A1 (Gain): 0.000047 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999767 Status: OK.
 Std Error of Est: 0.000008
 Predicted MDL: 5.985435
 Predicted MQL: 19.951450

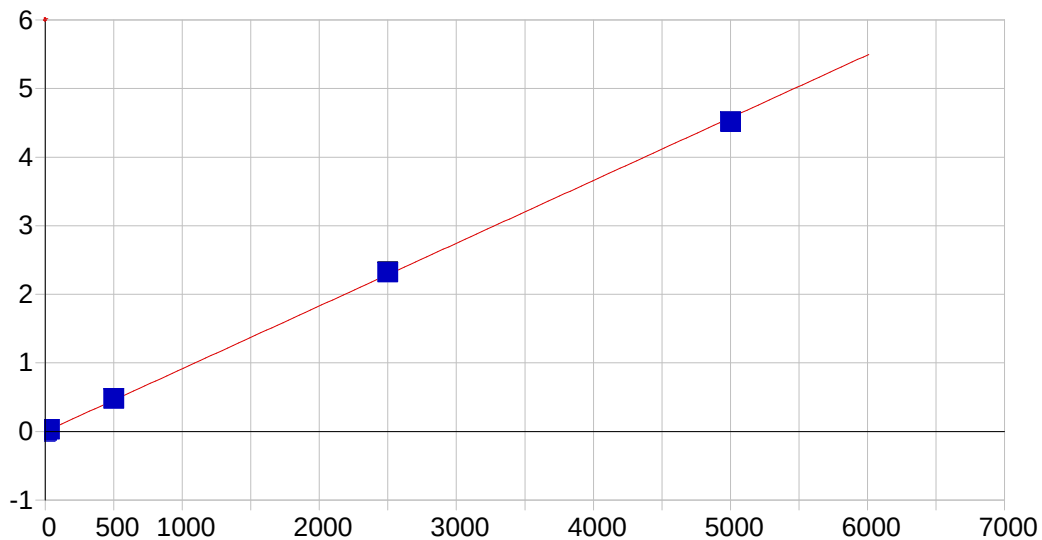
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00228	-.002	.000	.00020	.000	1
DCAL2	5.0000	7.4889	2.49	49.8	.00054	.000	1
DCAL3	500.00	481.83	-18.2	-3.63	.02232	.000	1
DCAL4	2500.0	2452.1	-47.9	-1.92	.11278	.001	1
DCAL5	5000.0	5063.7	63.7	1.27	.23279	.001	1



Date of Fit: 10/27/2012 11:21:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000141 Re-Slope: 1.000000



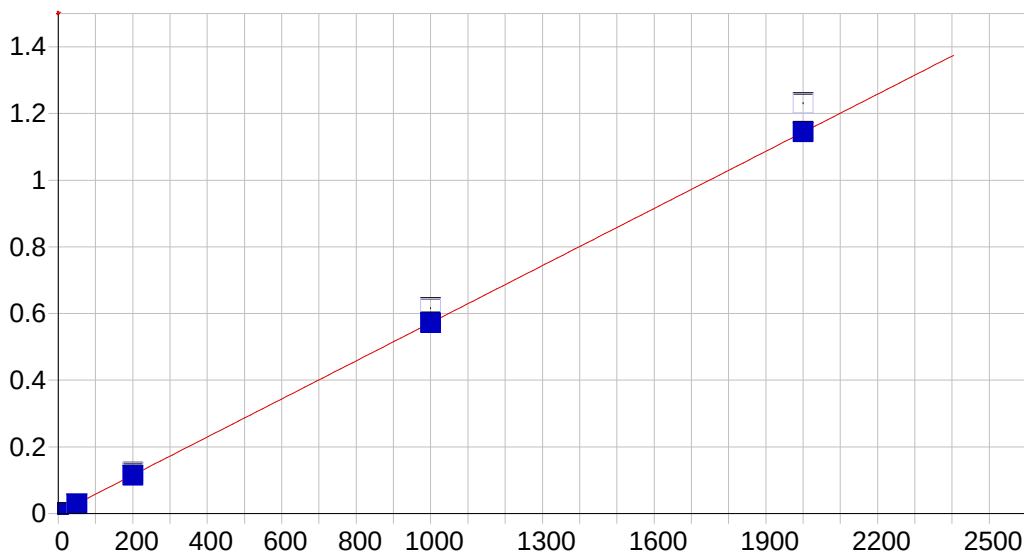


Zn 206.200 {463}

Date of Fit: 10/27/2012 11:21:06 Type of Fit: Linear Weighting: 1/Conc

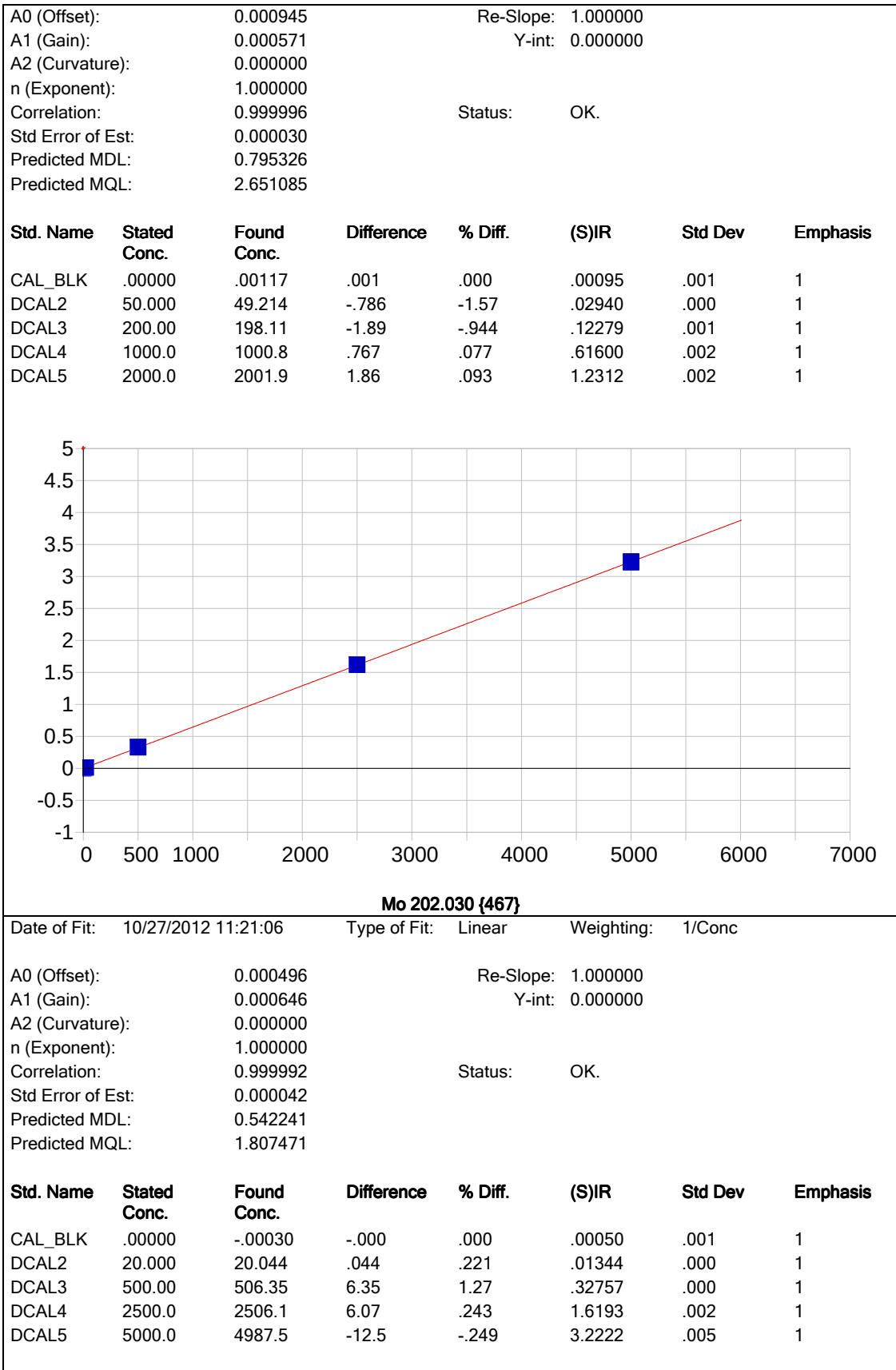
A0 (Offset): 0.000103 Re-Slope: 1.000000
 A1 (Gain): 0.000915 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999808 Status: OK.
 Std Error of Est: 0.000197
 Predicted MDL: 0.433174
 Predicted MQL: 1.443913

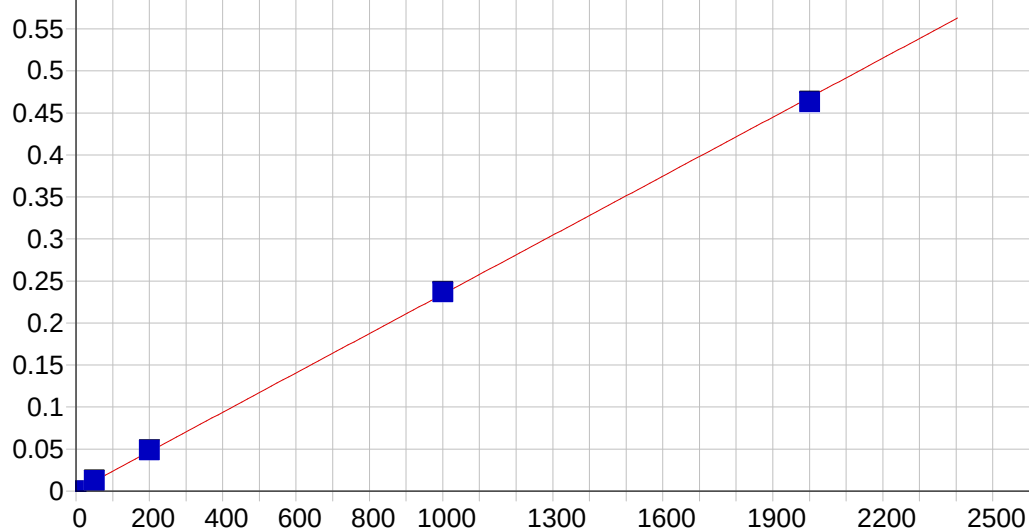
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00284	-.003	.000	.00010	.000	1
DCAL2	30.000	33.411	3.41	11.4	.03067	.000	1
DCAL3	500.00	523.95	23.9	4.79	.47956	.001	1
DCAL4	2500.0	2537.1	37.1	1.48	2.3218	.004	1
DCAL5	5000.0	4934.4	-65.6	-1.31	4.5156	.001	1
DCAL1	10.000	11.206	1.21	12.1	.01036	.000	1



B 208.959 {461}

Date of Fit: 10/27/2012 11:21:06 Type of Fit: Linear Weighting: 1/Conc



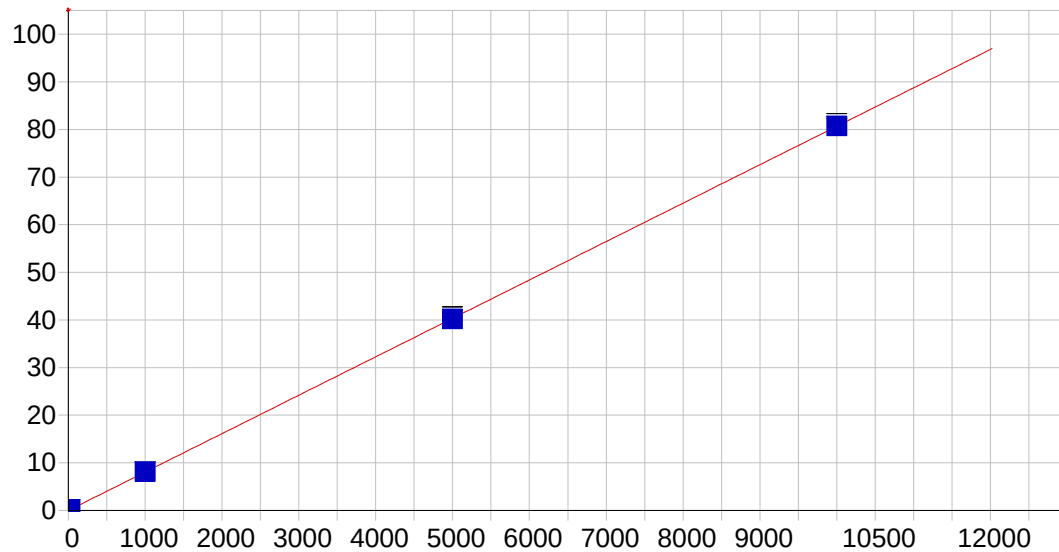


Sn 189.989 {477}

Date of Fit: 10/27/2012 11:21:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000206 Re-Slope: 1.000000
 A1 (Gain): 0.000234 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999870 Status: OK.
 Std Error of Est: 0.000062
 Predicted MDL: 1.402199
 Predicted MQL: 4.673995

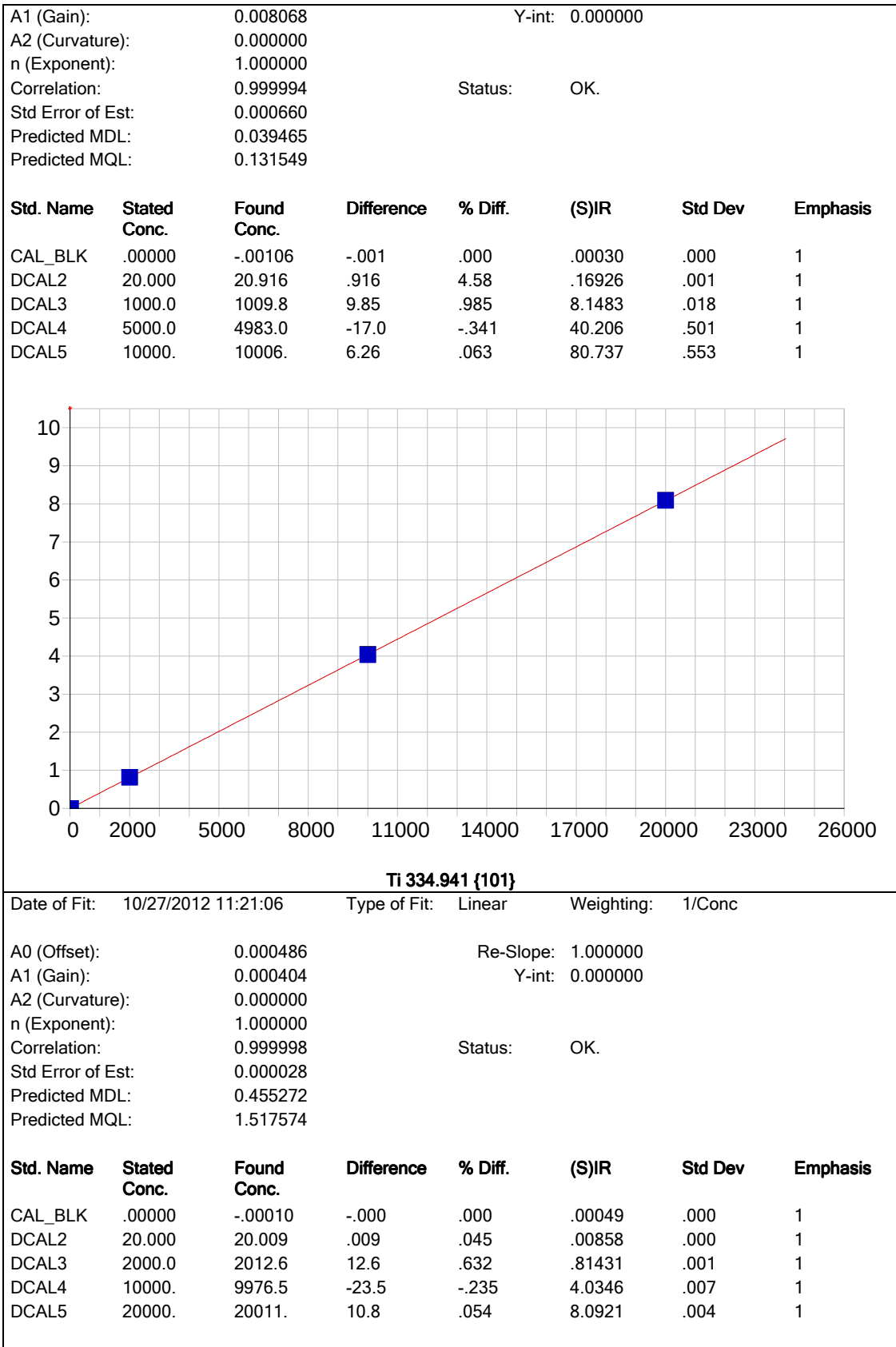
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00493	-.005	.000	.00020	.000	1
DCAL2	50.000	53.059	3.06	6.12	.01262	.000	1
DCAL3	200.00	207.34	7.34	3.67	.04861	.000	1
DCAL4	1000.0	1011.7	11.7	1.17	.23636	.001	1
DCAL5	2000.0	1977.9	-22.1	-1.11	.46186	.001	1

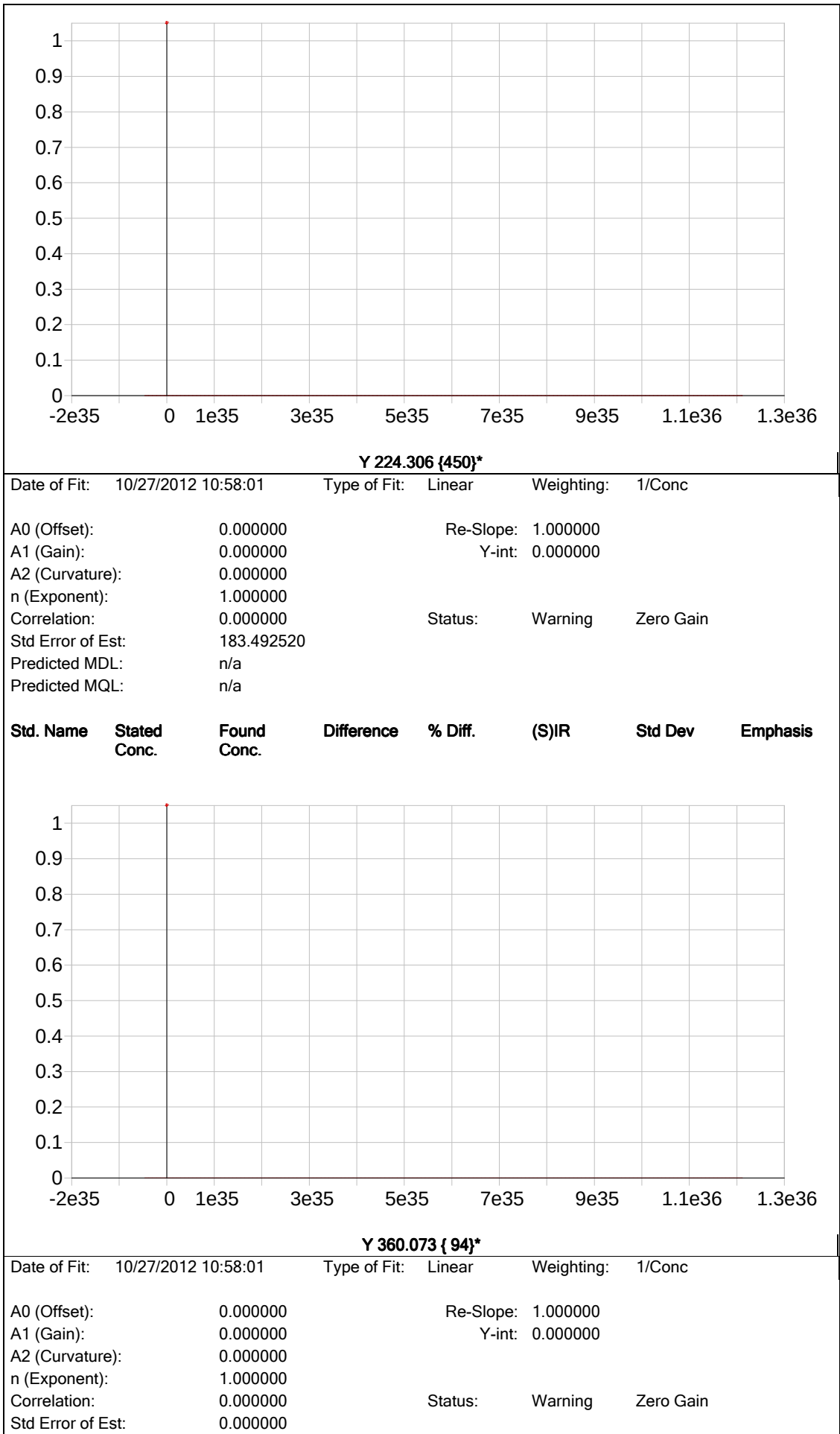


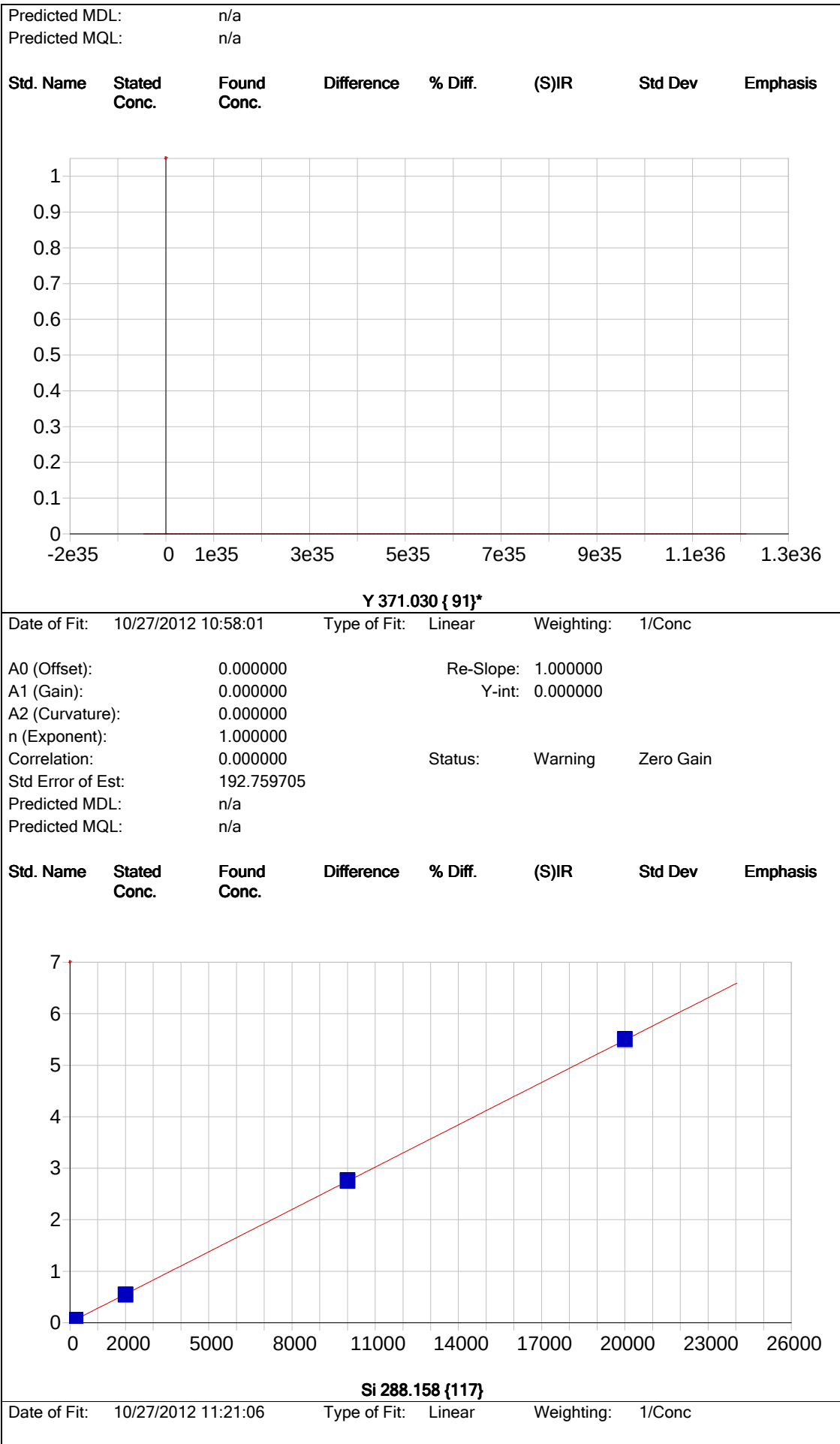
Sr 407.771 {83}

Date of Fit: 10/27/2012 11:21:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000313 Re-Slope: 1.000000







A0 (Offset):	0.007769	Re-Slope:	1.000000
A1 (Gain):	0.000274	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999975	Status:	OK.
Std Error of Est:	0.000200		
Predicted MDL:	7.216579		
Predicted MQL:	24.055263		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00310	.003	.000	.00777	.004	1
DCAL2	200.00	201.55	1.55	.776	.06298	.003	1
DCAL3	2000.0	1945.6	-54.4	-2.72	.53880	.005	1
DCAL4	10000.	10027.	26.5	.265	2.7448	.017	1
DCAL5	20000.	20026.	26.3	.132	5.4744	.018	1

Sample Name: CAL_BLK Acquired: 10/27/2012 10:58:56 Type: Cal
Method: SW846_102312(v8) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0007	-.0003	-.0001	.0001	-.0000	.0002
Stddev	.0000	.0004	.0000	.0002	.0001	.0002
%RSD	3.585	108.6	53.44	120.9	209.3	92.07

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	-.0012	.0031	.0000	.0011	-.0000	.0004
Stddev	.0005	.0002	.0000	.0001	.0000	.0007
%RSD	38.91	7.135	82.25	8.277	362.8	205.8

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0028	.0003	.0003	.0001
Stddev	.0000	.0000	.0008	.0002	.0003	.0006
%RSD	152.5	63.24	29.54	95.52	100.8	886.5

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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	.0001	.0001	.0001	.0009	.0005
Stddev	.0001	.0001	.0000	.0003	.0007	.0006
%RSD	73.33	80.28	25.46	312.9	69.66	121.2

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	.0003	.0005	.0078
Stddev	.0001	.0002	.0001	.0043
%RSD	29.00	65.31	12.50	54.84

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	980.53	30202.	15008.
Stddev	1.18	49.	76.
%RSD	.12025	.16226	.50770

Sample Name: DCAL1 Acquired: 10/27/2012 11:02:43 Type: Cal
Method: SW846_102312(v8) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu3247	Fe2714	Ni2316	Zn2062
Line	324.754 {104}	271.441 {124}	231.604 {446}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0025	.0005	.0049	.0104
Stddev	.0001	.0000	.0003	.0002
%RSD	3.024	9.753	6.777	2.322

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	974.75	30246.	15118.
Stddev	2.27	31.	14.
%RSD	.23253	.10189	.09152

Sample Name: DCAL2 Acquired: 10/27/2012 11:06:28 Type: Cal
Method: SW846_102312(v8) 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	.0103	.0001	.0013	.1947	.0080	.3390
Stddev	.0001	.0002	.0001	.0002	.0001	.0002
%RSD	.9114	276.9	5.441	.1049	.6331	.0570

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.0080	.0694	.0009	.0047	.0008	.2097
Stddev	.0000	.0008	.0001	.0001	.0000	.0005
%RSD	.2436	1.104	6.403	1.086	3.781	.2543

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0361	.0084	1.025	.0186	.0009	.0011
Stddev	.0002	.0001	.001	.0001	.0004	.0002
%RSD	.5294	1.028	.0815	.4118	44.38	15.91

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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0005	.0010	.0065	.0307	.0294	.0134
Stddev	.0001	.0002	.0000	.0004	.0002	.0001
%RSD	24.34	21.60	.2702	1.261	.7350	1.036

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	.0126	.1693	.0086	.0630
Stddev	.0002	.0009	.0001	.0032
%RSD	1.392	.5158	1.684	5.134

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	966.16	29769.	15077.
Stddev	2.67	10.	24.
%RSD	.27606	.03415	.15760

Sample Name: DCAL3 Acquired: 10/27/2012 11:10:11 Type: Cal
Method: SW846_102312(v8) 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	1.346	.0468	.0333	1.937	.7864	1.676
Stddev	.002	.0005	.0001	.003	.0015	.001
%RSD	.1144	1.089	.3877	.1630	.1894	.0581

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.5531	.6629	.0779	.3411	.0971	.4194
Stddev	.0012	.0020	.0001	.0002	.0002	.0004
%RSD	.2085	.2956	.0953	.0641	.1804	.1034

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.1806	.5376	5.111	.2196	.2935	.0282
Stddev	.0002	.0011	.006	.0012	.0014	.0004
%RSD	.1191	.2053	.1193	.5242	.4695	1.426

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	.0223	.0414	.0645	.4796	.1228	.3276
Stddev	.0002	.0005	.0001	.0012	.0009	.0005
%RSD	1.080	1.158	.1898	.2407	.7671	.1408

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	.0486	8.148	.8143	.5388
Stddev	.0005	.018	.0005	.0054
%RSD	.9482	.2202	.0629	1.005

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	940.57	28825.	14797.
Stddev	.83	53.	31.
%RSD	.08816	.18223	.21009

Sample Name: DCAL4 Acquired: 10/27/2012 11:13:43 Type: Cal
Method: SW846_102312(v8) 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	6.932	.2409	.1724	9.201	3.864	8.310
Stddev	.007	.0007	.0001	.010	.010	.009
%RSD	.0951	.2844	.0777	.1063	.2557	.1141

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	2.662	3.164	.3779	1.703	.4658	2.135
Stddev	.008	.006	.0014	.001	.0017	.003
%RSD	.2981	.1983	.3758	.0836	.3627	.1250

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.8876	2.556	25.68	1.048	1.398	.1424
Stddev	.0036	.010	.04	.002	.002	.0007
%RSD	.4103	.3880	.1681	.1513	.1575	.5255

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	.1128	.1860	.3160	2.322	.6160	1.619
Stddev	.0006	.0014	.0007	.004	.0015	.002
%RSD	.5006	.7310	.2295	.1650	.2483	.1443

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	.2364	40.21	4.035	2.745
Stddev	.0007	.50	.007	.017
%RSD	.2816	1.247	.1707	.6213

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	871.34	26955.	14447.
Stddev	1.95	42.	40.
%RSD	.22334	.15734	.27505

Sample Name: DCAL5 Acquired: 10/27/2012 11:17:17 Type: Cal
Method: SW846_102312(v8) 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	14.06	.4997	.3586	17.82	7.692	15.93
Stddev	.10	.0014	.0009	.01	.014	.14
%RSD	.6817	.2808	.2477	.0702	.1784	.9092

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	5.227	6.188	.7404	3.479	.9011	4.333
Stddev	.006	.010	.0010	.004	.0018	.012
%RSD	.1209	.1553	.1373	.1097	.2029	.2835

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	1.740	4.955	50.33	2.042	2.725	.2937
Stddev	.004	.011	.45	.002	.005	.0012
%RSD	.2403	.2246	.8951	.1024	.1703	.4068

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	.2328	.3589	.6270	4.516	1.231	3.222
Stddev	.0007	.0007	.0015	.001	.002	.005
%RSD	.2950	.1971	.2319	.0200	.1419	.1470

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	.4619	80.74	8.092	5.474
Stddev	.0006	.55	.004	.018
%RSD	.1335	.6853	.0460	.3261

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	816.20	25559.	14064.
Stddev	1.38	49.	49.
%RSD	.16917	.19270	.34748

Sample Name: CCV Acquired: 10/27/2012 11:21:10 Type: QC
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123900.	2466.	1223.	10120.	999.1	128800.
Stddev	74.	8.	3.	7.	1.2	71.
%RSD	.0598	.3421	.2251	.0646	.1163	.0548

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	1263.	2523.	5050.	12380.	101300.	49710.
Stddev	1.	5.	6.	18.	153.	52.
%RSD	.1013	.2137	.1240	.1483	.1513	.1052

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.	5107.	125800.	2535.	7673.	987.3
Stddev	102.	3.	153.	4.	11.	3.8
%RSD	.0811	.0594	.1214	.1700	.1416	.3881

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2452.	2546.	2499.	2510.	987.2	2508.
Stddev	21.	10.	3.	7.	3.3	6.
%RSD	.8742	.4019	.1303	.2625	.3344	.2211

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/27/2012 11:21:10 Type: QC
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1006.	5042.	10040.	10050.
Stddev	3.	43.	7.	4.
%RSD	.3156	.8451	.0704	.0388

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	867.67	26835.	14345.
Stddev	4.33	86.	47.
%RSD	.49869	.31995	.32945

Sample Name: CCB Acquired: 10/27/2012 11:24:44 Type: QC
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.24	3.465	.0354	.1763	.1013	14.99
Stddev	13.60	1.954	.2100	.6766	.1106	10.03
%RSD	83.71	56.40	592.8	383.8	109.1	66.92

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1136	-.0742	.6240	1.522	16.21	67.66
Stddev	.1678	.1439	.5300	1.403	11.13	11.31
%RSD	147.7	193.9	84.95	92.21	68.67	16.72

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6877	.3743	58.00	.9338	-1.673	1.019
Stddev	4.668	.3602	24.40	.5430	.919	3.098
%RSD	678.7	96.23	42.07	58.15	54.92	304.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	3.108	-.9596	-.3960	.1815	2.050	2.621
Stddev	5.094	5.053	.3090	.4695	.171	.518
%RSD	163.9	526.6	78.02	258.6	8.321	19.75

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/27/2012 11:24:44 Type: QC
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.7307	.4473	1.391	2.485
Stddev	.5953	.4102	.205	6.640
%RSD	81.47	91.71	14.75	267.2

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	984.12	30329.	14957.
Stddev	1.39	23.	49.
%RSD	.14160	.07638	.33056

Sample Name: IC5A 1552029 Acquired: 10/27/2012 11:28:29 Type: QC
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	503800.	-.8665	-.6607	2.142	.0030	450400.
Stddev	4847.	2.769	.4496	.437	.0230	3139.
%RSD	.9621	319.5	68.06	20.41	776.8	.6969

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.277	-.2163	1.659	4.865	194000.	52.14
Stddev	.410	.1592	.453	.893	768.	7.77
%RSD	32.08	73.59	27.33	18.35	.3959	14.90

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	491700.	1.807	20.33	-2.179	-6.265	-2.767
Stddev	2280.	.083	8.80	1.228	2.260	8.076
%RSD	.4636	4.604	43.29	56.36	36.08	291.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -15.17	2.790	-.6452	-.7219	-1.550	-2.076
Stddev	3.16	3.889	.1841	.5369	2.311	1.165
%RSD	20.85	139.4	28.53	74.38	149.1	56.12

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.00					
Low Limit	-10.00					

Sample Name: IC5A 1552029 Acquired: 10/27/2012 11:28:29 Type: QC
Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.812	-.1058	-2.441	1.029
Stddev	.358	.0228	.330	8.790
%RSD	19.75	21.53	13.51	854.3

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	816.39	25219.	13953.
Stddev	1.65	102.	78.
%RSD	.20154	.40578	.55569

Sample Name: ICSAB 1604491 Acquired: 10/27/2012 11:32:29 Type: QC
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	507300.	94.02	102.3	102.4	98.30	448500.
Stddev	2916.	5.23	.1	.2	.12	2402.
%RSD	.5748	5.567	.1001	.1833	.1209	.5355

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	95.09	95.58	99.91	105.6	196900.	10350.
Stddev	.52	.87	.23	1.5	287.	10.
%RSD	.5426	.9076	.2290	1.427	.1456	.0945

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	500800.	102.9	10490.	92.34	90.29	95.56
Stddev	328.	.4	3.	1.10	3.76	2.17
%RSD	.0655	.3700	.0329	1.192	4.164	2.270

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	82.44	91.21	96.88	93.87	95.60	93.75
Stddev	11.76	3.12	1.40	.17	.30	.36
%RSD	14.26	3.424	1.447	.1842	.3145	.3799

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1604491 Acquired: 10/27/2012 11:32:29 Type: QC
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	91.93	100.3	95.36	47.35
Stddev	2.33	.1	.58	8.00
%RSD	2.529	.1320	.6090	16.89

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	820.65	25315.	14059.
Stddev	1.31	82.	35.
%RSD	.15957	.32541	.24585

Sample Name: INT-10 1790436 Acquired: 10/27/2012 11:36:26 Type: QC
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-35.64	1.541	.2949	-.1702	.6819	56.28
Stddev	39.38	2.238	.7181	.1627	.0720	39.30
%RSD	110.5	145.3	243.5	95.58	10.56	69.83

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.562	10780.	10130.	2.807	35.63	79.15
Stddev	.188	23.	23.	.827	10.76	11.08
%RSD	12.04	.2090	.2275	29.48	30.19	14.00

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-103.3	10350.	57.87	10980.	-4.728	-6.827
Stddev	35.3	13.	7.23	22.	3.394	1.185
%RSD	34.12	.1289	12.49	.1972	71.78	17.36

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-.4578	3.867	4986.	-4.285	.7142	5051.
Stddev	3.034	.688	5.	.079	.2914	18.
%RSD	662.7	17.79	.0912	1.844	40.80	.3652

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10 1790436 Acquired: 10/27/2012 11:36:26 Type: QC
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	10700.	9841.	9539.	10120.
Stddev	33.	77.	11.	567.
%RSD	.3064	.7868	.1130	5.600

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	967.28	29962.	14927.
Stddev	3.37	66.	49.
%RSD	.34860	.22146	.32521

Sample Name: 460-46426-h-1-c du Acquired: 10/27/2012 11:40:09 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.77	9.687	.3772	76.30	.0423	67960.
Stddev	2.04	1.300	.5721	.50	.0314	70.
%RSD	4.102	13.43	151.7	.6611	74.26	.1023

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3998	1.758	.1202	4.452	30.63	14410.
Stddev	.1416	.194	.7864	.737	12.95	33.
%RSD	35.41	11.05	654.0	16.54	42.27	.2306

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26560.	705.2	238300.	14.31	-1.049	1.382
Stddev	70.	.9	2937.	.94	2.201	.675
%RSD	.2654	.1244	1.232	6.550	209.8	48.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-.4789	-2.759	2.023	81.35	200.3	6.229
Stddev	1.198	1.828	.202	.26	.2	.528
%RSD	250.2	66.27	9.996	.3253	.1219	8.476

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46426-h-1-c du Acquired: 10/27/2012 11:40:09 Type: Unk
Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1.213	414.5	4.980	17870.
Stddev	.379	.7	.323	81.
%RSD	31.27	.1641	6.486	.4534

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	901.33	27320.	14549.
Stddev	9.19	238.	97.
%RSD	1.0197	.87242	.66455

Sample Name: 460-46426-h-1-b Acquired: 10/27/2012 11:43:59 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45.75	14.21	.2931	74.81	.0054	66180.
Stddev	1.36	5.13	.7730	.65	.0150	67.
%RSD	2.979	36.08	263.7	.8753	276.9	.1014

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2274	1.331	-.2642	5.135	16.16	14030.
Stddev	.1363	.226	.4264	.738	14.03	21.
%RSD	59.95	16.97	161.4	14.36	86.85	.1466

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25650.	681.9	230100.	12.78	2.492	-1.399
Stddev	36.	1.1	1791.	.63	1.089	.800
%RSD	.1389	.1609	.7783	4.921	43.68	57.17

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	6.949	2.136	1.861	78.54	196.4	2.261
Stddev	2.179	5.875	.380	.12	.9	.568
%RSD	31.36	275.0	20.41	.1512	.4716	25.13

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46426-h-1-b Acquired: 10/27/2012 11:43:59 Type: Unk
Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.2083	404.5	3.368	17560.
Stddev	.7081	1.1	.398	93.
%RSD	340.0	.2834	11.81	.5276

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	887.35	27137.	14566.
Stddev	7.07	121.	31.
%RSD	.79622	.44625	.20956

Sample Name: sd 460-46426-h-1-b@5 Acquired: 10/27/2012 11:47:49 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.74	3.687	.1597	14.69	-.0124	12960.
Stddev	1.88	3.679	.4024	.12	.0263	14.
%RSD	12.77	99.76	251.9	.8468	211.9	.1043

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1154	.5598	-.0844	2.049	14.29	2701.
Stddev	.2423	.0339	.3062	.382	9.36	13.
%RSD	210.0	6.051	362.9	18.63	65.48	.4848

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4959.	135.9	46850.	2.465	-2.360	.4462
Stddev	19.	.5	33.	.243	1.975	.2847
%RSD	.3739	.3428	.0706	9.844	83.70	63.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	7.846	-1.057	.3059	20.05	36.83	.4607
Stddev	.436	1.057	.4977	.24	.40	.8104
%RSD	5.551	99.97	162.7	1.189	1.086	175.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-46426-h-1-b@5 Acquired: 10/27/2012 11:47:49 Type: Unk
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.3342	79.74	.3873	3185.
Stddev	1.282	.02	.4766	9.
%RSD	383.8	.0243	123.1	.2963

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	942.20	28796.	14676.
Stddev	2.76	131.	40.
%RSD	.29312	.45596	.27107

Sample Name: 460-46426-h-1-d.ms Acquired: 10/27/2012 11:51:30 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2116.	2134.	51.74	2253.	53.05	88140.
Stddev	6.	5.	.24	2.	.10	45.
%RSD	.2925	.2218	.4686	.0928	.1916	.0508

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54.67	528.9	213.6	264.5	1105.	35220.
Stddev	.32	.5	1.1	.7	25.	71.
%RSD	.5825	.0944	.5014	.2617	2.262	.2029

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48110.	1232.	249200.	553.8	542.0	496.8
Stddev	276.	6.	1859.	.6	4.4	.8
%RSD	.5746	.5186	.7458	.1064	.8067	.1592

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	2113.	2208.	529.0	624.4	741.5	504.9
Stddev	12.	8.	.4	2.8	1.8	1.9
%RSD	.5581	.3667	.0778	.4437	.2446	.3757

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46426-h-1-d.ms Acquired: 10/27/2012 11:51:30 Type: Unk
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	535.5	919.6	524.9	17790.
Stddev	.8	.8	.4	16.
%RSD	.1534	.0851	.0762	.0906

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	890.10	27162.	14632.
Stddev	6.09	188.	91.
%RSD	.68475	.69138	.62223

Sample Name: pds 460-46426-h-1-b Acquired: 10/27/2012 11:55:14 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1969.	1980.	47.96	2110.	49.27	85290.
Stddev	2.	2.	.94	6.	.14	279.
%RSD	.0785	.1257	1.960	.2947	.2749	.3272

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.95	495.8	198.0	246.8	1034.	33460.
Stddev	.40	1.1	1.5	1.4	19.	56.
%RSD	.7914	.2163	.7621	.5489	1.813	.1686

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45310.	1171.	242300.	516.8	506.8	468.4
Stddev	62.	.	2461.	4.6	2.1	3.1
%RSD	.1359	.0107	1.016	.8900	.4223	.6625

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1978.	2064.	491.3	581.6	700.8	478.0
Stddev	18.	13.	.5	1.4	2.8	2.0
%RSD	.8892	.6186	.0990	.2484	.4063	.4216

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-46426-h-1-b Acquired: 10/27/2012 11:55:14 Type: Unk
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	505.9	878.9	492.3	17640.
Stddev	2.3	3.7	1.4	85.
%RSD	.4579	.4177	.2851	.4838

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	872.47	26928.	14578.
Stddev	5.86	118.	64.
%RSD	.67143	.43777	.44032

Sample Name: 460-46427-i-1-d Acquired: 10/27/2012 11:58:58 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	782.2	22.79	.1696	27.15	.0582	30000.
Stddev	10.6	2.11	.0902	.40	.0270	156.
%RSD	1.350	9.264	53.19	1.470	46.46	.5199

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2534	-.0066	2.392	10.14	1308.	19030.
Stddev	.1324	.3540	.770	1.41	20.	111.
%RSD	52.24	5383.	32.20	13.88	1.534	.5843

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31380.	69.17	F 409900.	16.46	9.863	3.647
Stddev	89.	.07	7457.	.51	1.905	.757
%RSD	.2824	.0969	1.819	3.098	19.31	20.76

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	4.606	3.022	53.80	57.50	613.7	15.88
Stddev	1.887	3.866	.29	.34	3.9	.16
%RSD	40.96	127.9	.5387	.5858	.6430	1.027

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46427-i-1-d Acquired: 10/27/2012 11:58:58 Type: Unk
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1.246	362.1	26.77	F 22790.
Stddev	1.395	1.9	.16	204.
%RSD	112.0	.5178	.6084	.8958

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	872.79	26460.	14533.
Stddev	1.44	102.	236.
%RSD	.16510	.38395	1.6216

Sample Name: lcs 460-133780/2-a Acquired: 10/27/2012 12:02:48 Type: QC
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2057.	2030.	49.79	2212.	53.10	22290.
Stddev	5.	7.	.71	1.	.17	79.
%RSD	.2258	.3566	1.434	.0298	.3257	.3555

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	55.50	542.6	214.6	260.3	1111.	20810.
Stddev	.22	.8	.3	1.3	12.	26.
%RSD	.3999	.1385	.1295	.5177	1.116	.1240

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	22260.	558.2	21340.	557.4	564.2	486.5
Stddev	25.	.4	54.	1.0	3.1	4.5
%RSD	.1145	.0686	.2516	.1877	.5438	.9167

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2052.	F 2408.	521.7	546.1	536.4	507.1
Stddev	10.	11.	1.1	1.4	1.6	1.2
%RSD	.4815	.4603	.2072	.2643	.3026	.2323

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.				
Range		15.00%				

Sample Name: lcs 460-133780/2-a Acquired: 10/27/2012 12:02:48 Type: QC
Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	551.4	516.5	521.8	98.74
Stddev	1.0	.9	1.2	29.49
%RSD	.1776	.1673	.2282	29.87

Check ?	Chk Pass	Chk Pass	Chk Pass	None
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	940.99	29121.	15012.
Stddev	3.41	135.	132.
%RSD	.36246	.46433	.87832

Sample Name: CCV Acquired: 10/27/2012 12:06:25 Type: QC
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124100.	2479.	1214.	10150.	998.6	128600.
Stddev	98.	8.	5.	12.	2.4	129.
%RSD	.0792	.3403	.4205	.1220	.2405	.1002

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.	2522.	4979.	12400.	99910.	49990.
Stddev	1.	4.	44.	8.	737.	67.
%RSD	.1027	.1402	.8913	.0657	.7375	.1347

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	124500.	5053.	125600.	2545.	7647.	994.8
Stddev	915.	37.	315.	6.	7.	3.8
%RSD	.7354	.7372	.2507	.2361	.0921	.3826

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2463.	2542.	2494.	2497.	992.1	2508.
Stddev	7.	2.	13.	3.	.8	4.
%RSD	.2808	.0710	.5192	.1002	.0765	.1642

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/27/2012 12:06:25 Type: QC
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1004.	5033.	10070.	10090.
Stddev	1.	22.	10.	48.
%RSD	.0597	.4368	.1018	.4790

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	861.68	26918.	14427.
Stddev	3.80	72.	52.
%RSD	.44129	.26758	.35747

Sample Name: CCB Acquired: 10/27/2012 12:09:59 Type: QC
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.60	1.124	.4014	.3755	.0928	12.99
Stddev	8.64	2.644	.2447	.5274	.0510	10.22
%RSD	59.17	235.2	60.96	140.4	54.97	78.65

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	.1130	.0544	-.5629	1.946	11.72	50.97
Stddev	.1593	.2486	.3596	1.001	11.71	24.04
%RSD	141.1	456.6	63.89	51.44	99.90	47.16

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.067	.2301	72.06	-.1968	-.7600	2.681
Stddev	9.018	.3231	25.41	.3499	2.461	1.531
%RSD	845.3	140.4	35.27	177.8	323.8	57.08

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	.6478	-.4487	.1006	.3430	1.002	2.145
Stddev	1.176	1.264	.2838	.1778	.707	.316
%RSD	181.5	281.6	282.2	51.84	70.54	14.73

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/27/2012 12:09:59 Type: QC
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.3562	.3896	1.461	7.017
Stddev	.6430	.4125	.143	1.387
%RSD	180.5	105.9	9.816	19.77

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	975.02	30444.	15085.
Stddev	2.83	11.	32.
%RSD	.28997	.03577	.21531

Sample Name: mb 460-133780/1-a Acquired: 10/27/2012 12:13:45 Type: QC

Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.31	-.3739	.1089	-.0348	-.0018	2.323
Stddev	2.07	1.889	.5991	.1092	.0133	.296
%RSD	20.05	505.3	550.1	314.2	732.5	12.74

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3056	-.0944	.0973	.9663	5.529	10.31
Stddev	.0550	.1651	.5951	1.038	6.076	11.32
%RSD	18.01	175.0	611.8	107.5	109.9	109.8

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	-3.949	-.0247	30.26	.4614	-3.362	1.152
Stddev	11.48	.0182	5.01	.6407	2.547	2.521
%RSD	290.7	73.70	16.57	138.9	75.75	218.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	.9769	2.383	-.3104	.9624	.4899	.1034
Stddev	4.582	1.065	.3568	.1749	.9922	.3599
%RSD	469.0	44.69	115.0	18.18	202.5	348.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-133780/1-a Acquired: 10/27/2012 12:13:45 Type: QC
Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-6400	-.0114	-.4618	27.91
Stddev	1.037	.0377	.2843	7.00
%RSD	162.0	329.4	61.57	25.08

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	988.62	30754.	15383.
Stddev	6.37	219.	163.
%RSD	.64406	.71236	1.0572

Sample Name: 460-46427-i-2-b Acquired: 10/27/2012 12:17:29 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	607.3	22.69	.1870	35.98	.0473	30120.
Stddev	8.5	3.09	.6482	.14	.0335	52.
%RSD	1.396	13.64	346.7	.3990	70.81	.1715

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3712	.4189	1.976	7.204	1006.	19220.
Stddev	.1378	.3830	.735	.855	14.	24.
%RSD	37.11	91.43	37.19	11.87	1.422	.1252

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32480.	68.95	F 420100.	10.74	7.056	1.904
Stddev	153.	.34	5041.	.64	4.187	2.642
%RSD	.4724	.4988	1.200	5.921	59.34	138.8

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	4.094	3.908	44.51	37.19	667.7	14.95
Stddev	6.369	2.920	.66	.14	.9	.18
%RSD	155.6	74.73	1.484	.3685	.1355	1.231

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46427-i-2-b Acquired: 10/27/2012 12:17:29 Type: Unk
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.8933	371.3	20.94	F 22440.
Stddev	1.282	.4	.07	106.
%RSD	143.6	.1091	.3291	.4718

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	873.76	26605.	14631.
Stddev	5.60	108.	59.
%RSD	.64053	.40438	.40580

Sample Name: 460-46427-h-3-b Acquired: 10/27/2012 12:21:20 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1571.	21.08	-.1369	29.44	.0906	28760.
Stddev	2.	4.79	.2145	.51	.0032	159.
%RSD	.0984	22.71	156.7	1.726	3.560	.5519

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1138	1.629	5.352	29.21	2940.	20080.
Stddev	.1741	.100	.448	.43	35.	110.
%RSD	152.9	6.105	8.365	1.455	1.178	.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	24510.	108.2	F 413300.	28.54	28.26	4.966
Stddev	78.	.3	10970.	.32	1.01	3.752
%RSD	.3186	.2568	2.654	1.120	3.560	75.55

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	7.228	-.4995	72.47	126.0	636.0	14.33
Stddev	2.359	1.937	.58	.7	4.8	.36
%RSD	32.64	387.7	.8000	.5824	.7480	2.535

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46427-h-3-b Acquired: 10/27/2012 12:21:20 Type: Unk
Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.4538	348.9	59.77	F 26210.
Stddev	2.415	2.1	.90	126.
%RSD	532.1	.5989	1.513	.4819

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	860.63	26616.	14783.
Stddev	6.61	166.	61.
%RSD	.76772	.62498	.41021

Sample Name: 460-46431-i-1-b Acquired: 10/27/2012 12:25:09 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	602.9	20.36	.0652	33.77	.0499	28510.
Stddev	14.1	2.18	.3903	.53	.0294	67.
%RSD	2.333	10.71	598.9	1.555	58.85	.2349

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4146	-.1125	1.417	6.358	920.7	18000.
Stddev	.3114	.3030	.377	.146	2.3	57.
%RSD	75.11	269.5	26.61	2.299	.2452	.3181

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30680.	65.64	F 387700.	9.360	8.382	3.190
Stddev	22.	.17	4111.	1.692	.727	2.856
%RSD	.0727	.2553	1.060	18.08	8.677	89.55

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	2.949	3.164	40.45	32.49	633.3	13.89
Stddev	2.025	4.209	.22	.14	3.9	.71
%RSD	68.66	133.0	.5370	.4415	.6197	5.144

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46431-i-1-b Acquired: 10/27/2012 12:25:09 Type: Unk
Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1.243	353.5	19.07	F 21240.
Stddev	.908	1.3	.73	73.
%RSD	73.06	.3795	3.841	.3434

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	862.67	26465.	14669.
Stddev	9.74	169.	114.
%RSD	1.1295	.63687	.77465

Sample Name: 460-46433-i-1-b Acquired: 10/27/2012 12:28:59 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	62.40	8.126	.2678	91.82	.0339	70590.
Stddev	2.29	3.651	.3072	.70	.0232	44.
%RSD	3.674	44.93	114.7	.7665	68.48	.0629

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3229	1.940	-.2246	9.252	80.71	14420.
Stddev	.3787	.239	.4644	1.360	24.05	32.
%RSD	117.3	12.31	206.8	14.70	29.80	.2198

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26140.	861.5	235200.	17.19	3.187	.3283
Stddev	118.	4.8	999.	1.00	1.628	2.334
%RSD	.4524	.5586	.4246	5.818	51.08	710.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.847	2.364	1.921	92.50	217.3	2.625
Stddev	3.941	3.062	.411	.10	.7	.329
%RSD	213.4	129.5	21.41	.1072	.3101	12.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46433-i-1-b Acquired: 10/27/2012 12:28:59 Type: Unk
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.7763	429.4	3.881	17740.
Stddev	1.408	1.0	.461	129.
%RSD	181.3	.2273	11.87	.7288

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	880.71	26963.	14431.
Stddev	4.13	164.	176.
%RSD	.46873	.60925	1.2203

Sample Name: 460-46433-i-2-b Acquired: 10/27/2012 12:32:50 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	70.99	11.34	-.3257	63.28	.0286	67350.
Stddev	4.03	2.02	.2727	.45	.0246	200.
%RSD	5.674	17.85	83.72	.7038	86.22	.2974

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4055	1.231	-.2399	3.927	167.7	14430.
Stddev	.0591	.234	.2732	.601	9.6	39.
%RSD	14.58	18.96	113.9	15.31	5.699	.2725

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25870.	859.2	238300.	8.524	1.672	-1.971
Stddev	187.	4.9	1424.	1.116	1.707	2.660
%RSD	.7210	.5726	.5975	13.09	102.1	134.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	8.356	.4057	2.634	115.4	213.7	3.040
Stddev	3.603	8.204	.188	1.5	1.1	.496
%RSD	43.12	2022.	7.129	1.295	.4999	16.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46433-i-2-b Acquired: 10/27/2012 12:32:50 Type: Unk
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.0438	411.8	4.250	17840.
Stddev	2.329	1.3	.580	159.
%RSD	5323.	.3151	13.65	.8896

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	876.12	27048.	14524.
Stddev	7.75	96.	48.
%RSD	.88405	.35453	.33186

Sample Name: 460-46433-i-3-b Acquired: 10/27/2012 12:36:39 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.65	16.09	.5739	33.36	.1670	68100.
Stddev	3.06	2.69	.1758	.49	.0339	164.
%RSD	6.290	16.71	30.63	1.479	20.30	.2408

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2098	.8609	.6279	4.837	1915.	14210.
Stddev	.0364	.1078	.2390	.749	10.	42.
%RSD	17.36	12.52	38.06	15.49	.5358	.2926

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27350.	395.0	242100.	1.603	.7393	.5366
Stddev	129.	2.2	1972.	.678	1.898	3.167
%RSD	.4733	.5547	.8144	42.30	256.8	590.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	3.730	2.340	6.105	154.4	228.8	.1412
Stddev	7.898	2.316	.291	.3	1.9	.0861
%RSD	211.7	98.96	4.761	.2165	.8093	60.98

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46433-i-3-b Acquired: 10/27/2012 12:36:39 Type: Unk
Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.2895	425.9	3.912	19040.
Stddev	.6971	1.4	.195	76.
%RSD	240.8	.3299	4.984	.3977

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	862.51	26970.	14711.
Stddev	2.97	106.	92.
%RSD	.34383	.39201	.62355

Sample Name: 460-46402-f-1-b du Acquired: 10/27/2012 12:40:30 Type: Unk

Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33.12	4.578	.1866	34.61	.0203	31630.
Stddev	5.17	1.954	.3485	.27	.0088	65.
%RSD	15.60	42.68	186.7	.7893	43.40	.2061

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2716	-.1867	.3924	5.768	419.0	3715.
Stddev	.0983	.1983	.2599	1.476	13.5	11.
%RSD	36.21	106.2	66.22	25.59	3.222	.2920

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2892.	18.22	2688.	1.455	6.585	2.934
Stddev	13.	.04	44.	.943	2.679	2.169
%RSD	.4589	.2258	1.642	64.79	40.68	73.93

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	4.782	2.799	.5940	30.94	34.85	1.160
Stddev	2.926	8.685	.1977	.44	.87	.851
%RSD	61.19	310.3	33.29	1.426	2.482	73.34

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46402-f-1-b du Acquired: 10/27/2012 12:40:30 Type: Unk
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.1396	240.2	1.832	4126.
Stddev	.2773	.3	.083	18.
%RSD	198.6	.1383	4.543	.4446

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	931.15	29252.	14911.
Stddev	8.70	230.	50.
%RSD	.93401	.78767	.33375

Sample Name: 460-46402-f-1-a Acquired: 10/27/2012 12:44:12 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.68	1.502	.4028	35.51	.0098	31650.
Stddev	2.78	1.952	.0459	.13	.0309	48.
%RSD	12.80	130.0	11.39	.3549	315.5	.1513

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2470	-.1191	.0418	4.929	437.1	3701.
Stddev	.1602	.1549	.2377	.799	11.2	17.
%RSD	64.87	130.0	568.6	16.22	2.557	.4569

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2911.	18.49	2672.	2.148	6.931	1.736
Stddev	8.	.08	15.	.637	2.490	2.277
%RSD	.2717	.4086	.5470	29.65	35.93	131.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.922	.2829	.2619	31.16	34.02	.8255
Stddev	2.282	.5938	.1327	.22	.15	.3996
%RSD	118.7	209.9	50.68	.6984	.4450	48.41

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46402-f-1-a Acquired: 10/27/2012 12:44:12 Type: Unk
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.3732	239.4	2.051	4082.
Stddev	.2578	.4	.110	13.
%RSD	69.09	.1830	5.381	.3292

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	947.33	29540.	14877.
Stddev	2.17	55.	34.
%RSD	.22872	.18656	.22646

Sample Name: lcs 460-133764/2-a Acquired: 10/27/2012 12:47:55 Type: QC
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1987.	1942.	46.96	2156.	51.45	21510.
Stddev	5.	2.	.15	7.	.34	48.
%RSD	.2480	.1120	.3234	.3043	.6579	.2244

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	52.60	525.7	207.8	250.6	1067.	20090.
Stddev	.21	1.1	.5	1.2	9.	35.
%RSD	.3964	.2126	.2612	.4892	.8577	.1718

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	20720.	540.7	20670.	540.8	533.6	477.6
Stddev	10.	.7	39.	.9	2.1	2.2
%RSD	.0497	.1286	.1881	.1662	.3853	.4587

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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.	2254.	509.6	515.6	497.3	500.9
Stddev	17.	11.	1.0	.3	.6	.7
%RSD	.8911	.4673	.1882	.0509	.1277	.1369

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-133764/2-a Acquired: 10/27/2012 12:47:55 Type: QC
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	527.3	499.5	506.6	117.6
Stddev	2.1	.6	1.5	38.9
%RSD	.4058	.1214	.2863	33.08

Check ?	Chk Pass	Chk Pass	Chk Pass	None
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	932.57	29033.	14835.
Stddev	2.42	64.	62.
%RSD	.25928	.21959	.41674

Sample Name: CCV Acquired: 10/27/2012 12:51:31 Type: QC
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124100.	2495.	1218.	10190.	998.7	128600.
Stddev	304.	8.	3.	6.	2.3	332.
%RSD	.2449	.3125	.2632	.0549	.2336	.2584

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	1269.	2537.	5014.	12410.	100500.	50000.
Stddev	2.	4.	3.	43.	265.	85.
%RSD	.1353	.1483	.0499	.3459	.2639	.1693

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.	5083.	125700.	2558.	7692.	1007.
Stddev	164.	10.	105.	4.	14.	3.
%RSD	.1309	.1950	.0839	.1473	.1769	.2904

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2475.	2556.	2504.	2511.	996.5	2522.
Stddev	20.	9.	4.	7.	2.1	4.
%RSD	.7976	.3646	.1568	.2652	.2117	.1430

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/27/2012 12:51:31 Type: QC
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1013.	5030.	10070.	10120.
Stddev	4.	32.	31.	47.
%RSD	.3895	.6402	.3044	.4620

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	860.18	26899.	14418.
Stddev	1.65	15.	24.
%RSD	.19149	.05630	.16566

Sample Name: CCB Acquired: 10/27/2012 12:55:05 Type: QC
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.03	-1.196	-.0324	.1728	.1039	12.11
Stddev	13.06	2.191	.5842	.5857	.0795	7.22
%RSD	100.3	183.2	1801.	339.0	76.53	59.61

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0498	-.0575	.1173	1.544	14.59	28.02
Stddev	.1576	.1325	.0470	1.140	9.09	5.14
%RSD	316.4	230.5	40.08	73.88	62.30	18.34

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2894	.2631	61.46	.1370	-4.201	1.730
Stddev	7.840	.3245	21.79	.5499	1.625	2.998
%RSD	2709.	123.3	35.45	401.4	38.69	173.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	7.786	.3438	-.4310	-.0738	1.791	1.911
Stddev	.907	4.344	.2150	.3358	1.235	.136
%RSD	11.65	1264.	49.88	455.2	68.92	7.132

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/27/2012 12:55:05 Type: QC
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.1117	.3774	1.480	1.226
Stddev	.5618	.3672	.521	4.863
%RSD	502.7	97.30	35.21	396.6

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	975.66	30397.	14910.
Stddev	1.04	18.	85.
%RSD	.10634	.05866	.57249

Sample Name: mb 460-133764/1-a Acquired: 10/27/2012 12:58:52 Type: QC

Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.549	3.965	.4440	.1370	.0050	26.08
Stddev	8.855	2.396	.7911	.2655	.0237	3.89
%RSD	194.7	60.42	178.2	193.9	473.9	14.91

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	-.0237	-.2134	.5034	.0456	12.06	12.77
Stddev	.1454	.3449	.2625	.2841	1.44	4.38
%RSD	613.8	161.7	52.14	622.7	11.91	34.27

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8.072	.1359	51.36	-.3176	-2.868	-.1818
Stddev	6.787	.0885	2.16	1.025	1.068	2.420
%RSD	84.08	65.10	4.205	322.8	37.23	1331.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-2.390	-2.086	-.4588	1.522	2.097	.0302
Stddev	6.557	3.561	.2109	.143	.228	.4243
%RSD	274.4	170.7	45.97	9.384	10.89	1405.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-133764/1-a Acquired: 10/27/2012 12:58:52 Type: QC
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.4540	.1229	.0061	54.11
Stddev	1.469	.0553	.1904	9.01
%RSD	323.5	45.00	3133.	16.66

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	983.51	30595.	15043.
Stddev	3.03	149.	85.
%RSD	.30762	.48721	.56207

Sample Name: sd 460-46402-f-1-a@5 Acquired: 10/27/2012 13:02:36 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.71	1.101	.0262	7.325	.0266	6246.
Stddev	.85	4.330	.6035	.245	.0348	10.
%RSD	5.777	393.3	2303.	3.348	130.9	.1536

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1274	-.4372	-.1172	1.736	78.47	727.5
Stddev	.1180	.1993	.5730	.731	9.81	9.4
%RSD	92.63	45.59	489.0	42.11	12.51	1.288

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	575.0	3.705	539.5	1.385	-.4791	-.1114
Stddev	2.5	.045	5.4	.667	.7331	3.726
%RSD	.4372	1.222	1.004	48.17	153.0	3345.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	4.675	1.204	-.2663	9.143	6.471	.1117
Stddev	.552	4.948	.2207	.152	.757	.0500
%RSD	11.81	410.8	82.87	1.658	11.70	44.78

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-46402-f-1-a@5 Acquired: 10/27/2012 13:02:36 Type: Unk
Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.006	47.37	-.4223	777.7
Stddev	.772	.12	.2929	4.5
%RSD	76.75	.2627	69.36	.5842

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	978.47	30422.	15017.
Stddev	2.42	47.	15.
%RSD	.24682	.15592	.09991

Sample Name: 460-46402-f-1-c ms Acquired: 10/27/2012 13:06:20 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2013.	1976.	47.67	2192.	51.83	52370.
Stddev	7.	14.	.89	3.	.14	26.
%RSD	.3585	.7321	1.868	.1441	.2706	.0488

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.41	523.3	206.5	255.7	1477.	23780.
Stddev	.14	1.8	1.0	1.9	33.	24.
%RSD	.2578	.3400	.4895	.7571	2.229	.1007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23540.	556.0	23380.	537.9	546.3	486.2
Stddev	53.	.7	16.	1.8	.8	1.6
%RSD	.2241	.1237	.0670	.3334	.1420	.3261

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1946.	2247.	510.2	541.7	535.2	504.7
Stddev	13.	13.	1.0	.7	1.8	2.2
%RSD	.6721	.5568	.2054	.1339	.3410	.4311

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46402-f-1-c.ms Acquired: 10/27/2012 13:06:20 Type: Unk
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	531.4	736.0	512.4	4214.
Stddev	3.1	1.6	1.0	35.
%RSD	.5814	.2141	.1898	.8272

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	915.42	28663.	14850.
Stddev	3.04	55.	60.
%RSD	.33216	.19046	.40187

Sample Name: pds 460-46402-f-1-a Acquired: 10/27/2012 13:09:55 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1930.	1864.	44.82	2095.	49.52	51620.
Stddev	6.	5.	.13	2.	.16	70.
%RSD	.3210	.2929	.2893	.0936	.3328	.1356

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.19	499.8	198.4	244.4	1426.	22930.
Stddev	.11	.5	.8	.8	4.	24.
%RSD	.2145	.0949	.4032	.3209	.3094	.1033

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22730.	534.6	22530.	511.1	518.3	452.5
Stddev	28.	.8	26.	2.3	3.7	2.9
%RSD	.1234	.1511	.1163	.4580	.7126	.6337

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1846.	2144.	489.4	521.9	513.6	480.7
Stddev	10.	6.	2.0	2.3	2.4	1.2
%RSD	.5229	.2896	.4090	.4389	.4632	.2505

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-46402-f-1-a Acquired: 10/27/2012 13:09:55 Type: Unk
Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	505.9	714.5	490.0	4235.
Stddev	1.2	.6	.4	16.
%RSD	.2410	.0834	.0737	.3817

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	922.69	28758.	14811.
Stddev	1.74	77.	67.
%RSD	.18821	.26782	.44993

Sample Name: 460-46378-c-15-b Acquired: 10/27/2012 13:13:30 Type: Unk

Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33.27	2.745	.0630	-.0025	-.0325	43.08
Stddev	4.00	3.787	.4038	.4465	.0149	6.99
%RSD	12.01	138.0	641.2	18140.	45.95	16.24

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0257	-.1340	-.0657	1.185	37.28	30.28
Stddev	.2734	.4200	.8195	.728	7.71	5.45
%RSD	1064.	313.4	1247.	61.44	20.69	17.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.195	.6809	81.70	.3264	-3.649	4.601
Stddev	4.645	.0430	2.79	.2688	.776	1.144
%RSD	211.7	6.310	3.420	82.37	21.27	24.86

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.894	4.218	-.2498	1.947	1.307	1.332
Stddev	3.194	.751	.0573	.085	.564	.303
%RSD	168.7	17.81	22.94	4.360	43.16	22.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46378-c-15-b Acquired: 10/27/2012 13:13:30 Type: Unk
Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.9482	.1015	-.1149	41.25
Stddev	.7163	.0414	.3917	5.81
%RSD	75.54	40.76	341.0	14.08

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	984.62	30675.	15102.
Stddev	1.80	40.	27.
%RSD	.18251	.12936	.18030

Sample Name: 460-46399-c-25-a Acquired: 10/27/2012 13:17:15 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.420	4.032	-1.1972	-0.0775	.0181	19.17
Stddev	1.480	1.811	.0866	.4435	.0208	3.95
%RSD	61.14	44.93	43.94	572.2	115.0	20.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.0085	-0.4489	.3029	.8628	21.81	13.25
Stddev	.1339	.1317	.5777	1.362	4.28	13.15
%RSD	1573.	29.35	190.8	157.8	19.62	99.28

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.314	.2288	26.95	-6.194	-2.568	1.524
Stddev	5.341	.0665	1.50	.4463	1.102	.720
%RSD	84.59	29.05	5.576	72.05	42.93	47.22

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	2.770	-1.848	-0.5372	1.002	.7940	-0.1156
Stddev	3.145	3.481	.0814	.368	.2273	.4461
%RSD	113.6	188.4	15.14	36.70	28.63	385.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46399-c-25-a Acquired: 10/27/2012 13:17:15 Type: Unk
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.5207	.0044	-.7226	26.11
Stddev	.1207	.0223	.0643	6.73
%RSD	23.18	507.0	8.893	25.77

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	979.94	30653.	15184.
Stddev	1.25	36.	22.
%RSD	.12729	.11811	.14463

Sample Name: 460-46388-d-1-a Acquired: 10/27/2012 13:20:58 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4040.	4.921	6.474	395.0	.0678	44540.
Stddev	8.	1.661	.367	.9	.0307	83.
%RSD	.2007	33.76	5.676	.2343	45.31	.1855

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1487	106.6	4.796	3.462	9422.	3425.
Stddev	.1604	.3	.676	.487	38.	16.
%RSD	107.9	.2448	14.09	14.08	.4085	.4791

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20670.	F 25310.	93720.	5.484	.8517	-.7505
Stddev	16.	137.	204.	.927	1.321	1.507
%RSD	.0786	.5423	.2172	16.90	155.1	200.8

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

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	14.10	24.31	6.860	15.89	177.4	2.680
Stddev	3.36	1.20	.327	.50	.6	.496
%RSD	23.87	4.945	4.762	3.141	.3221	18.51

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46388-d-1-a Acquired: 10/27/2012 13:20:58 Type: Unk
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.1912	487.5	65.11	10010.
Stddev	2.126	1.4	.92	52.
%RSD	1112.	.2841	1.419	.5159

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	917.47	28267.	14803.
Stddev	3.76	65.	76.
%RSD	.40936	.22961	.51422

Sample Name: 460-46388-d-2-a Acquired: 10/27/2012 13:24:47 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3139.	4.409	7.019	277.9	.1219	24510.
Stddev	16.	4.381	.228	.5	.0171	38.
%RSD	.5235	99.36	3.254	.1740	14.03	.1564

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.067	139.3	2.209	2.300	66220.	2461.
Stddev	.175	.5	.710	.533	226.	2.
%RSD	16.39	.3508	32.13	23.19	.3413	.0845

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16600.	F 26670.	43940.	.8999	-4.167	5.217
Stddev	34.	138.	45.	.2803	1.835	2.046
%RSD	.2052	.5179	.1017	31.15	44.04	39.21

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

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	6.426	18.37	7.286	5.186	-.7128	.4433
Stddev	6.838	.58	.431	.264	.9395	.1289
%RSD	106.4	3.172	5.912	5.097	131.8	29.07

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46388-d-2-a Acquired: 10/27/2012 13:24:47 Type: Unk
Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.6922	250.9	34.42	7146.
Stddev	.2486	.2	.38	51.
%RSD	35.91	.0868	1.090	.7181

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	931.63	28865.	14866.
Stddev	1.31	25.	23.
%RSD	.14062	.08810	.15597

Sample Name: 460-46388-d-3-a Acquired: 10/27/2012 13:28:35 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	274.0	1.729	.4537	259.1	.1412	18710.
Stddev	5.7	3.187	.7962	.4	.0026	20.
%RSD	2.092	184.3	175.5	.1486	1.826	.1051

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0028	22.13	.7106	.1517	1588.	2017.
Stddev	.2099	.51	.0917	1.093	23.	5.
%RSD	7562.	2.289	12.91	720.4	1.439	.2302

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6660.	2115.	21690.	5.983	.9737	1.083
Stddev	15.	7.	10.	.180	1.175	2.738
%RSD	.2250	.3404	.0449	3.009	120.6	252.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.978	3.512	.8928	9.429	7.388	-.4013
Stddev	3.695	1.185	.1454	.407	.847	.2167
%RSD	186.8	33.74	16.28	4.322	11.46	53.98

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46388-d-3-a Acquired: 10/27/2012 13:28:35 Type: Unk
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-9116	174.1	7.429	7111.
Stddev	1.240	.1	.491	66.
%RSD	136.0	.0453	6.617	.9240

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	954.05	29857.	15108.
Stddev	1.52	83.	98.
%RSD	.15901	.27703	.64988

Sample Name: 460-46306-a-1-b@30 Acquired: 10/27/2012 13:32:17 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.143	16.32	.7262	14.79	-.0944	164.0
Stddev	2.114	.88	.5437	.17	.0407	2.0
%RSD	184.9	5.367	74.88	1.156	43.14	1.240

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5457	-5.034	-.0692	57.44	43.34	55790.
Stddev	.0253	.306	.2080	.88	3.91	125.
%RSD	4.635	6.089	300.8	1.540	9.015	.2244

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-14.48	7.986	63840.	.7833	53.29	14.92
Stddev	6.14	.318	202.	.1959	.85	2.12
%RSD	42.41	3.982	.3167	25.01	1.589	14.22

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	36.93	-17.50	-5.446	21.56	F 6262.	F 5013.
Stddev	3.44	3.26	.501	.23	14.	7.
%RSD	9.314	18.64	9.191	1.064	.2262	.1458

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit					2000.	5000.
Low Limit					-50.00	-50.00

Sample Name: 460-46306-a-1-b@30 Acquired: 10/27/2012 13:32:17 Type: Unk
Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	18.56	.9158	-.7143	1180.
Stddev	1.19	.0085	.1822	9.
%RSD	6.383	.9277	25.51	.7686

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	893.67	28439.	15090.
Stddev	2.38	52.	44.
%RSD	.26626	.18217	.29090

Sample Name: CCV Acquired: 10/27/2012 13:36:00 Type: QC
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123000.	2461.	1206.	10080.	988.3	127600.
Stddev	83.	8.	2.	11.	1.6	109.
%RSD	.0673	.3065	.1431	.1077	.1581	.0857

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	1254.	2511.	4977.	12300.	99480.	49560.
Stddev	1.	2.	22.	19.	376.	57.
%RSD	.0671	.0741	.4422	.1527	.3779	.1149

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123800.	5037.	124800.	2535.	7591.	986.5
Stddev	536.	23.	300.	3.	4.	1.2
%RSD	.4331	.4556	.2403	.1127	.0542	.1190

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2438.	2512.	2483.	2486.	990.0	2498.
Stddev	14.	18.	6.	10.	3.1	7.
%RSD	.5612	.7063	.2575	.3887	.3117	.2854

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/27/2012 13:36:00 Type: QC
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	998.4	5015.	9981.	10000.
Stddev	2.1	44.	15.	81.
%RSD	.2137	.8801	.1492	.8068

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	869.91	27121.	14541.
Stddev	4.99	40.	67.
%RSD	.57408	.14580	.46021

Sample Name: CCB Acquired: 10/27/2012 13:39:34 Type: QC
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.64	2.641	.0379	.3346	.1074	12.07
Stddev	8.51	3.422	.3390	.2529	.0789	11.24
%RSD	73.12	129.5	893.4	75.60	73.49	93.18

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1114	-.1874	.0331	1.219	12.97	49.27
Stddev	.1604	.3188	.9067	1.620	7.82	19.66
%RSD	144.0	170.1	2736.	132.9	60.26	39.90

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2699	.5805	51.67	.2501	-3.558	1.206
Stddev	4.862	.3208	20.01	.6670	1.303	1.076
%RSD	1802.	55.26	38.73	266.7	36.62	89.21

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	6.062	3.075	-.3043	.3095	3.892	3.030
Stddev	1.398	1.563	.4348	.0678	1.194	.334
%RSD	23.06	50.81	142.9	21.91	30.67	11.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/27/2012 13:39:34 Type: QC
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.1731	.3816	1.506	6.800
Stddev	.1500	.3936	.115	3.731
%RSD	86.63	103.1	7.604	54.87

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	990.08	30744.	14979.
Stddev	1.31	34.	21.
%RSD	.13209	.10912	.13930

Sample Name: 460-46388-d-1-a@3 Acquired: 10/27/2012 13:43:20 Type: Unk

Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1358.	3.104	1.798	131.3	.0207	14500.
Stddev	1.	1.820	.167	.4	.0253	39.
%RSD	.0800	58.64	9.261	.3203	122.7	.2707

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1703	35.88	1.490	1.797	3121.	1135.
Stddev	.2045	.08	.618	.732	21.	8.
%RSD	120.1	.2102	41.44	40.71	.6744	.7006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6833.	9212.	30920.	1.290	-1.779	.6503
Stddev	23.	5.	73.	.164	1.697	3.060
%RSD	.3435	.0556	.2363	12.72	95.40	470.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	7.707	.5400	2.208	5.606	59.16	.7466
Stddev	7.910	2.293	.288	.342	.28	.5945
%RSD	102.6	424.5	13.05	6.102	.4814	79.63

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46388-d-1-a@3 Acquired: 10/27/2012 13:43:20 Type: Unk
Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.6768	159.5	21.87	3233.
Stddev	.3928	.2	.57	5.
%RSD	58.04	.1508	2.627	.1680

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	954.60	29596.	14987.
Stddev	.81	48.	67.
%RSD	.08511	.16308	.44458

Sample Name: 460-46388-d-2-a@3 Acquired: 10/27/2012 13:47:01 Type: Unk
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1050.	2.709	1.906	92.11	.0644	8055.
Stddev	6.	1.477	.177	.26	.0155	5.
%RSD	.6068	54.54	9.275	.2783	24.02	.0593

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2071	46.25	-.3419	1.109	22030.	815.5
Stddev	.2106	.18	.1660	.876	69.	9.5
%RSD	101.7	.3927	48.55	79.05	.3124	1.161

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5481.	9761.	14420.	.0800	-4.164	2.015
Stddev	11.	20.	5.	1.513	2.159	1.453
%RSD	.1947	.1999	.0378	1891.	51.86	72.10

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	.4419	9.118	2.413	3.057	.4991	.3005
Stddev	1.481	2.690	.490	.240	.4225	.3407
%RSD	335.1	29.50	20.29	7.845	84.65	113.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46388-d-2-a@3 Acquired: 10/27/2012 13:47:01 Type: Unk
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.1092	82.74	11.09	2322.
Stddev	.8118	.13	.45	16.
%RSD	743.7	.1536	4.082	.6852

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	956.97	29946.	15264.
Stddev	1.20	31.	57.
%RSD	.12500	.10430	.37140

Sample Name: CCV Acquired: 10/27/2012 13:50:43 Type: QC
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122600.	2451.	1211.	10080.	988.6	127200.
Stddev	188.	18.	2.	10.	3.0	123.
%RSD	.1535	.7250	.1605	.1039	.3012	.0968

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.	2506.	5001.	12230.	99890.	49490.
Stddev	2.	8.	5.	18.	123.	56.
%RSD	.1860	.3151	.0997	.1467	.1236	.1124

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.	5054.	124700.	2537.	7604.	984.5
Stddev	20.	2.	373.	5.	4.	5.4
%RSD	.0157	.0487	.2988	.1788	.0477	.5526

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2410.	2515.	2491.	2504.	977.3	2484.
Stddev	7.	14.	4.	5.	2.2	8.
%RSD	.2750	.5388	.1774	.1867	.2202	.3388

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/27/2012 13:50:43 Type: QC
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1000.	4944.	9959.	9854.
Stddev	4.	28.	13.	54.
%RSD	.3938	.5680	.1313	.5528

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	876.64	27197.	14431.
Stddev	5.22	51.	61.
%RSD	.59565	.18572	.42056

Sample Name: CCB Acquired: 10/27/2012 13:54:17 Type: QC
Method: SW846_102312(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.25	2.909	-1.1867	.3617	.0593	12.55
Stddev	8.47	2.885	.5849	.1735	.0821	8.66
%RSD	55.57	99.16	313.3	47.95	138.5	69.03

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0058	-.0312	.1015	1.526	14.94	43.91
Stddev	.0563	.4915	.8016	1.192	3.77	22.89
%RSD	972.3	1573.	789.8	78.11	25.24	52.14

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.400	.6159	50.33	-.4333	-.6864	-.1741
Stddev	1.637	.3962	20.26	.2069	2.341	.8727
%RSD	116.9	64.32	40.26	47.76	341.0	501.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	5.906	2.643	-.0923	.2343	1.948	1.689
Stddev	3.725	1.690	.2407	.5875	1.274	.660
%RSD	63.07	63.95	260.9	250.7	65.37	39.05

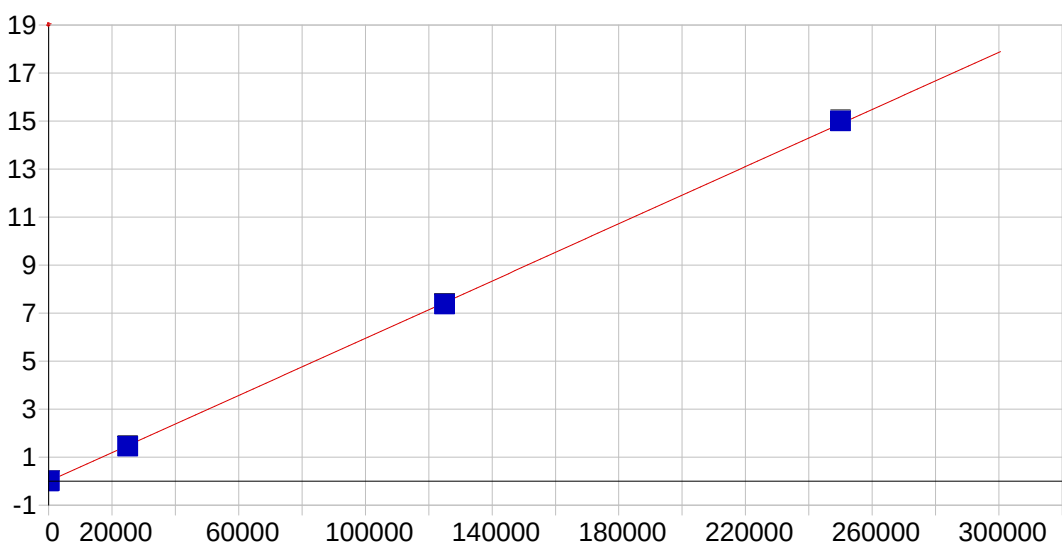
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/27/2012 13:54:17 Type: QC
 Method: SW846_102312(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.4399	.3694	1.211	4.200
Stddev	.9652	.3649	.214	9.565
%RSD	219.4	98.78	17.66	227.7

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	992.71	30801.	15029.
Stddev	1.14	30.	12.
%RSD	.11497	.09655	.08170

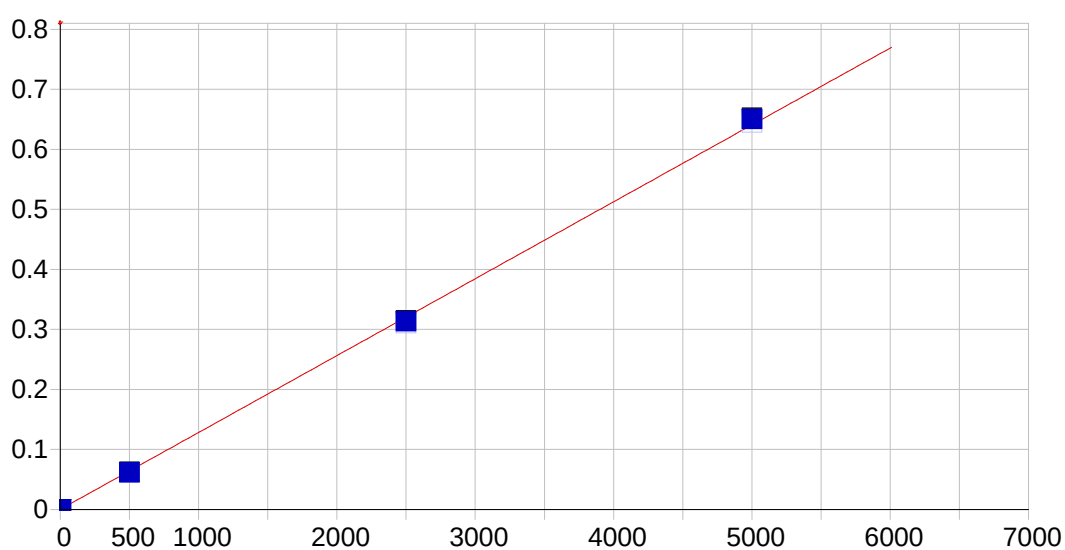


AI 396.152 { 85}

Date of Fit: 11/2/2012 11:57:02 Type of Fit: Linear Weighting: 1/Conc

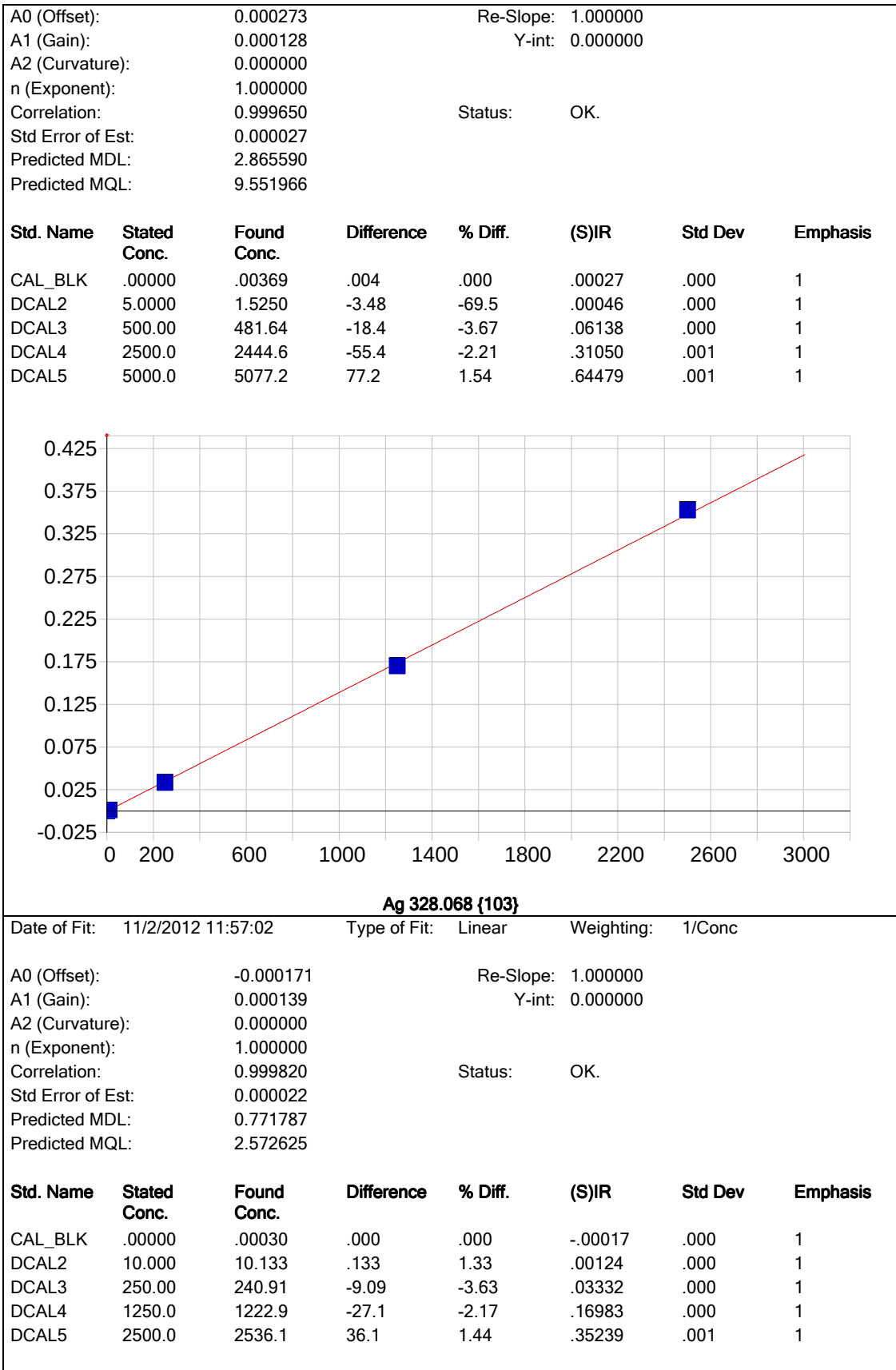
A0 (Offset): -0.001659 Re-Slope: 1.000000
 A1 (Gain): 0.000060 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999949 Status: OK.
 Std Error of Est: 0.000220
 Predicted MDL: 10.560210
 Predicted MQL: 35.200700

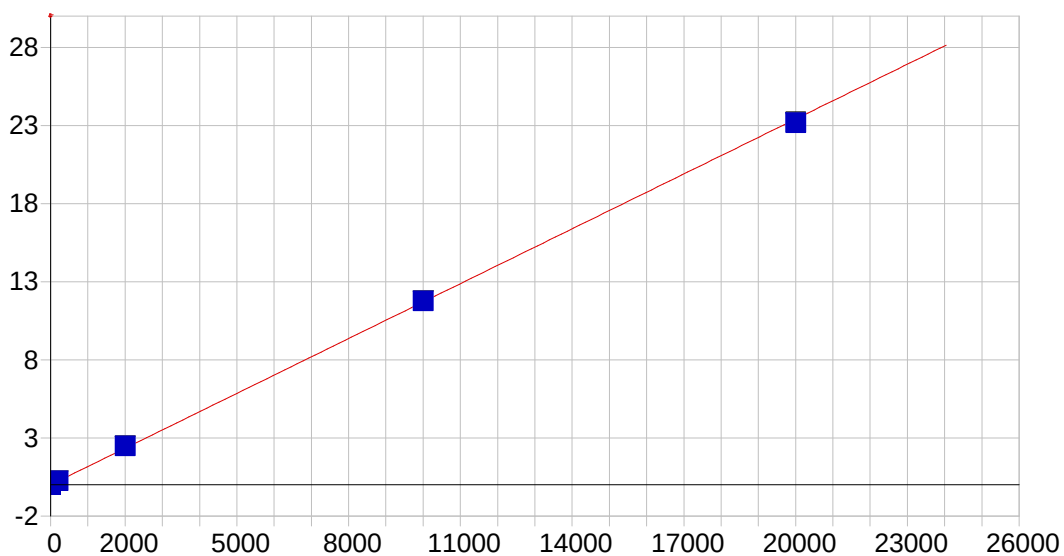
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.01046	-.010	.000	-.00166	.000	1
DCAL2	200.00	215.75	15.7	7.87	.01121	.000	1
DCAL3	25000.	24405.	-595.	-2.38	1.4530	.004	1
DCAL4	125000.	123760.	-1240.	-.991	7.3749	.017	1
DCAL5	250000.	251820.	1820.	.727	15.007	.026	1



As 189.042 {478}

Date of Fit: 11/2/2012 11:57:02 Type of Fit: Linear Weighting: 1/Conc



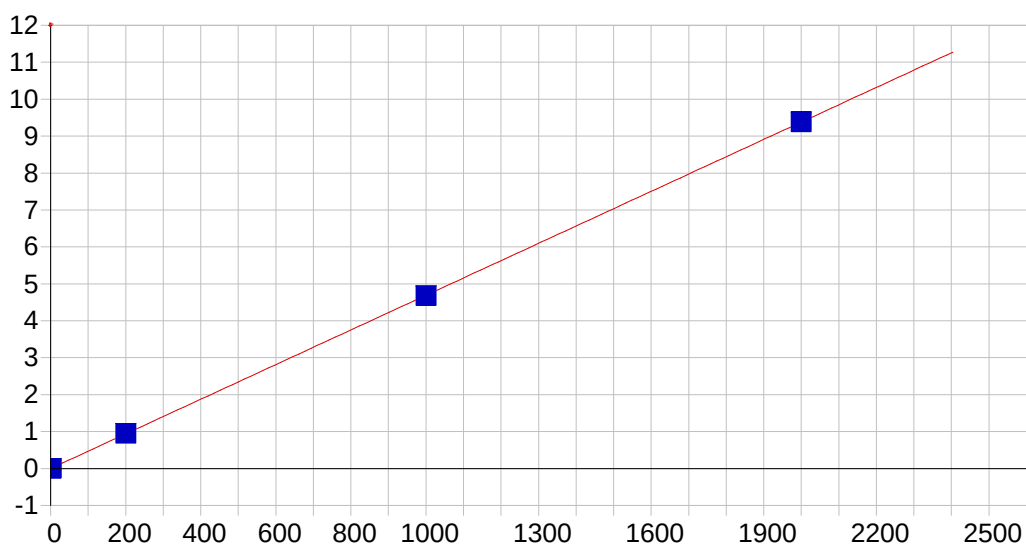


Ba 233.527 {445}

Date of Fit: 11/2/2012 11:57:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000114 Re-Slope: 1.000000
 A1 (Gain): 0.001171 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999841 Status: OK.
 Std Error of Est: 0.002158
 Predicted MDL: 0.325870
 Predicted MQL: 1.086234

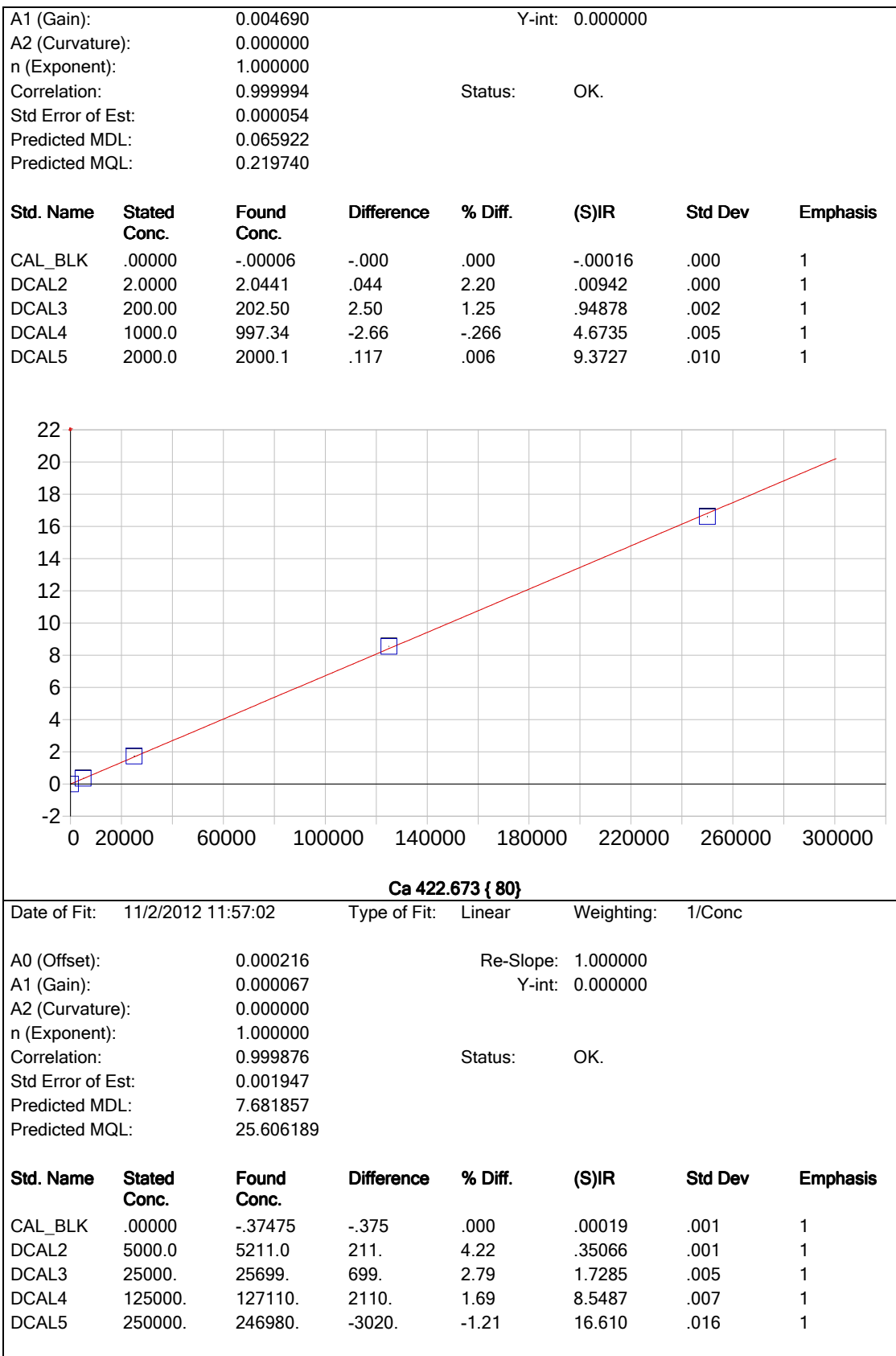
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.02572	-.026	.000	.00008	.000	1
DCAL2	200.00	214.67	14.7	7.33	.25130	.001	1
DCAL3	2000.0	2117.8	118.	5.89	2.4766	.006	1
DCAL4	10000.	10059.	59.2	.592	11.762	.019	1
DCAL5	20000.	19808.	-192.	-.958	23.161	.043	1

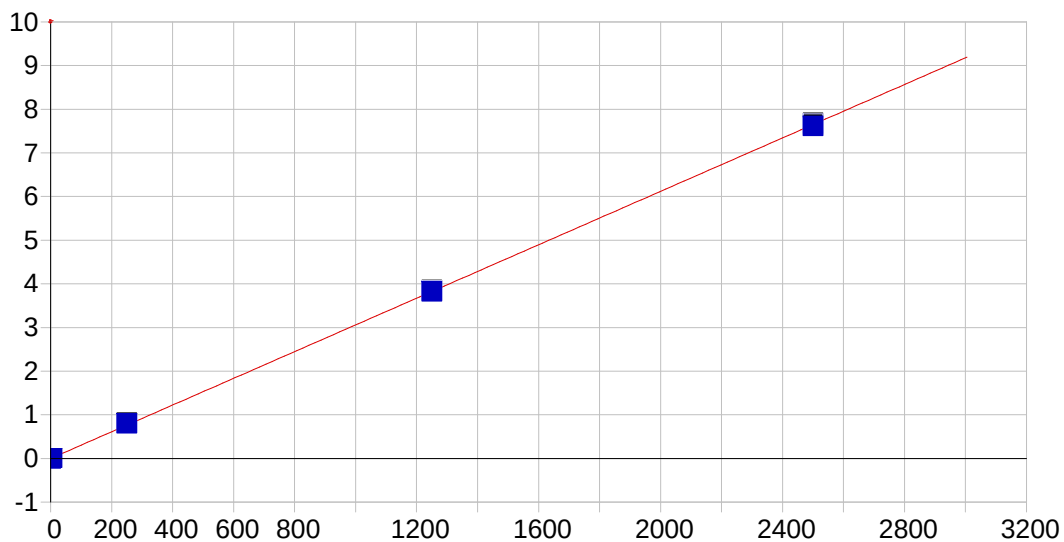


Be 313.042 {108}

Date of Fit: 11/2/2012 11:57:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000164 Re-Slope: 1.000000



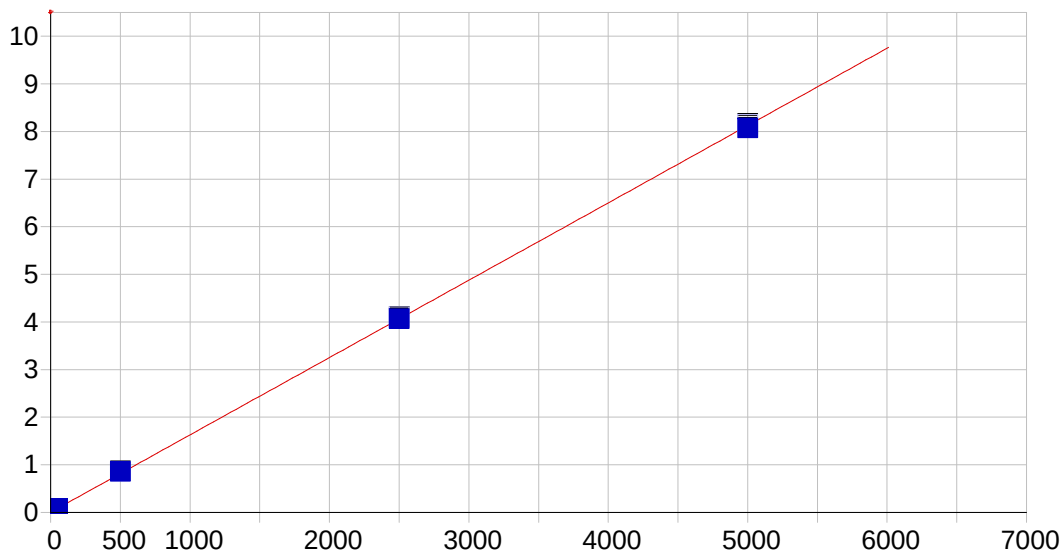


Cd 226.502 {449}

Date of Fit: 11/2/2012 11:57:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001097 Re-Slope: 1.000000
 A1 (Gain): 0.003060 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999919 Status: OK.
 Std Error of Est: 0.000203
 Predicted MDL: 0.179881
 Predicted MQL: 0.599605

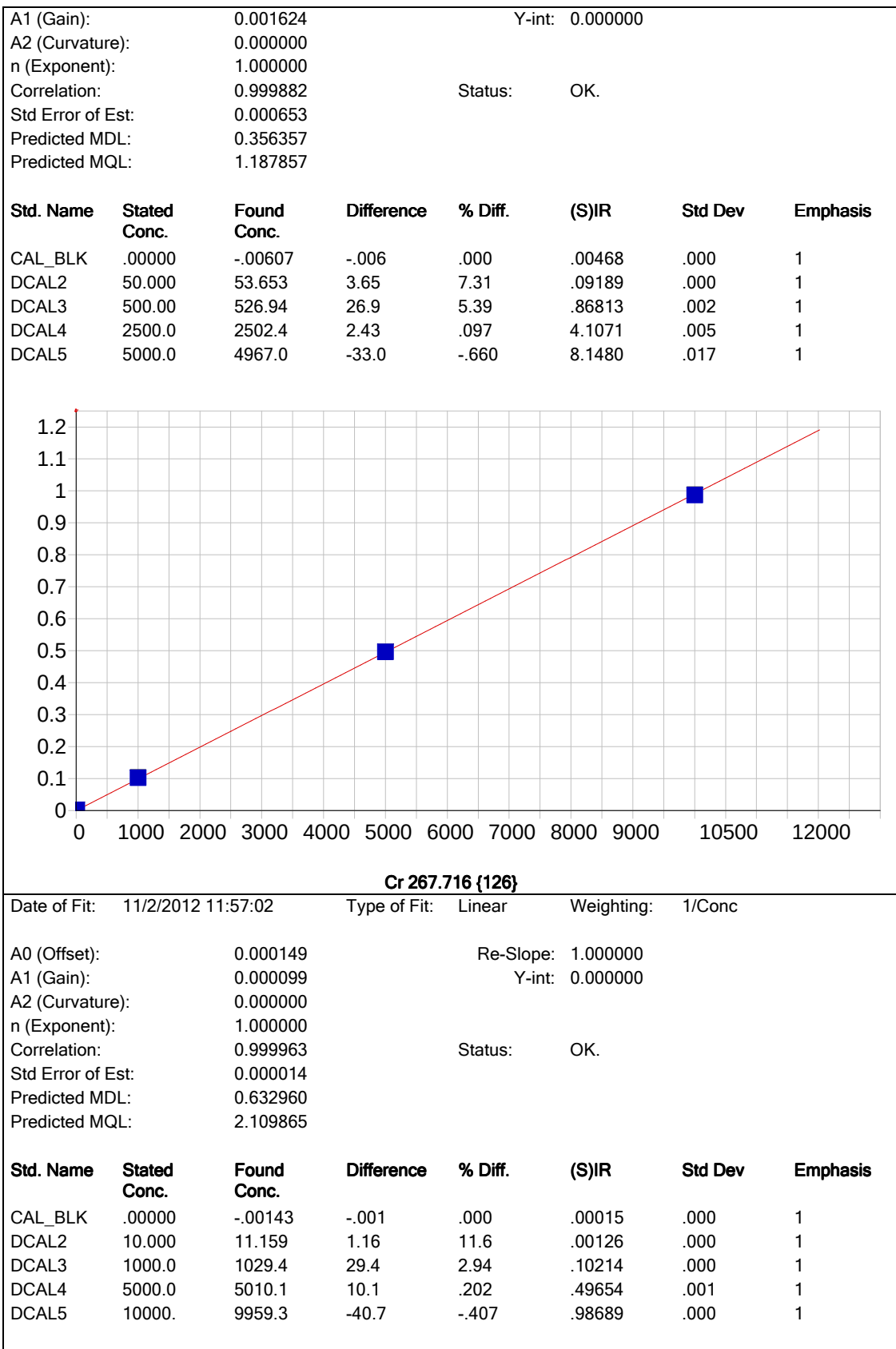
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-0.00018	-.000	.000	-.00110	.000	1
DCAL2	4.0000	4.0077	.008	.193	.01121	.000	1
DCAL3	250.00	262.32	12.3	4.93	.80676	.003	1
DCAL4	1250.0	1249.3	-.690	-.055	3.8476	.005	1
DCAL5	2500.0	2488.4	-11.6	-.465	7.6650	.019	1

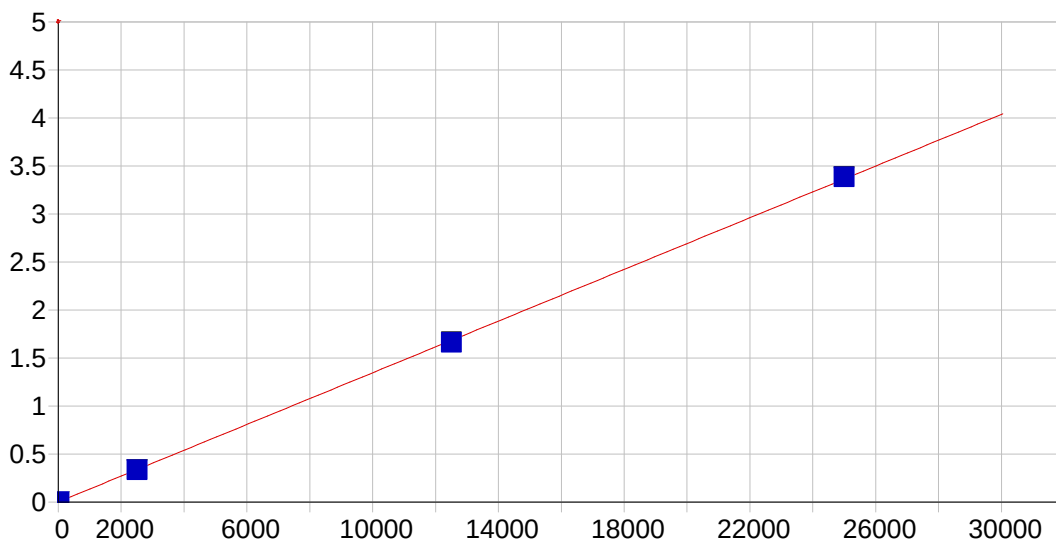


Co 228.616 {447}

Date of Fit: 11/2/2012 11:57:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004688 Re-Slope: 1.000000



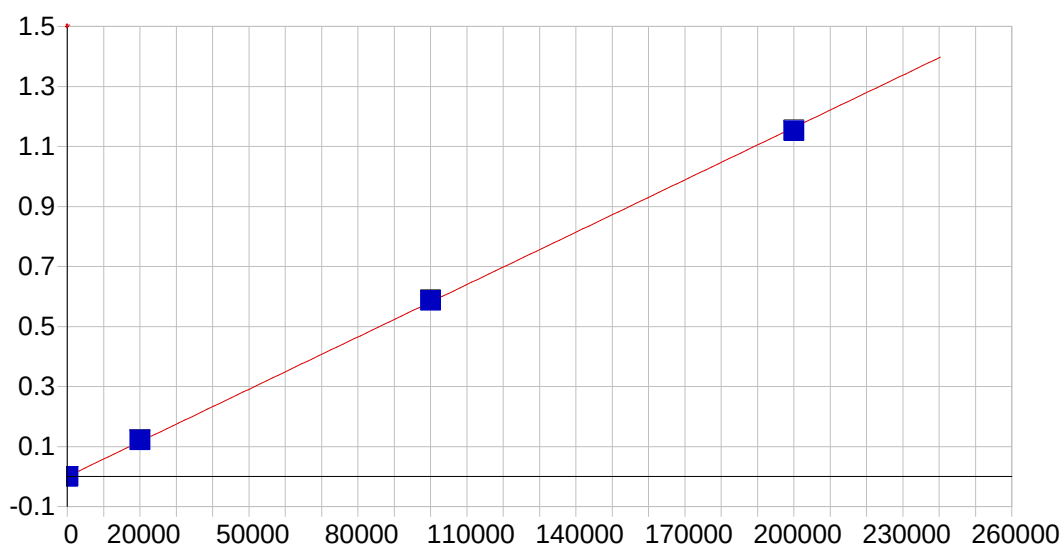


Cu 324.754 {104}

Date of Fit: 11/2/2012 11:57:02 Type of Fit: Linear Weighting: 1/Conc

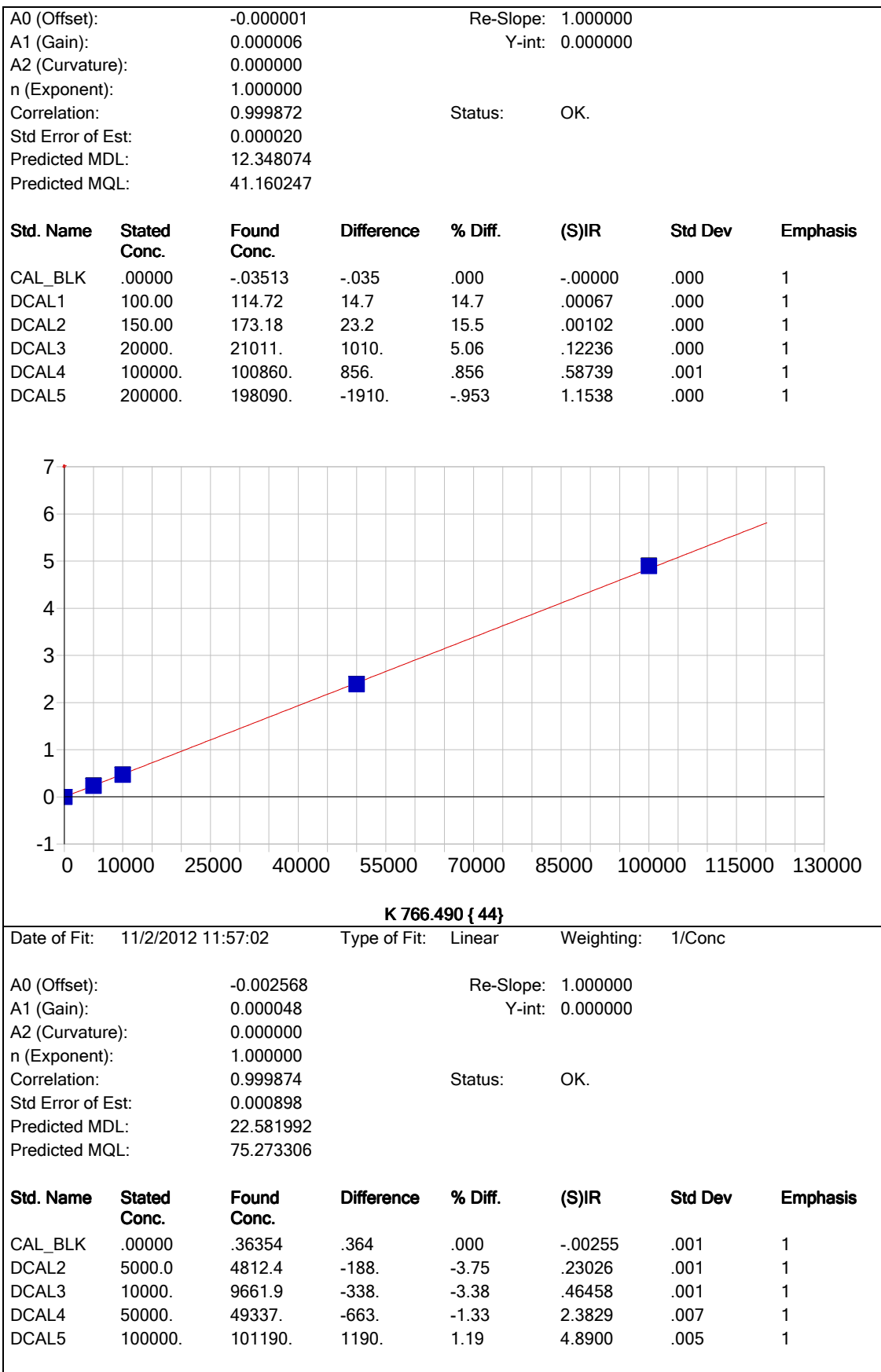
A0 (Offset): 0.001507 Re-Slope: 1.000000
 A1 (Gain): 0.000135 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999963 Status: OK.
 Std Error of Est: 0.000028
 Predicted MDL: 2.229142
 Predicted MQL: 7.430474

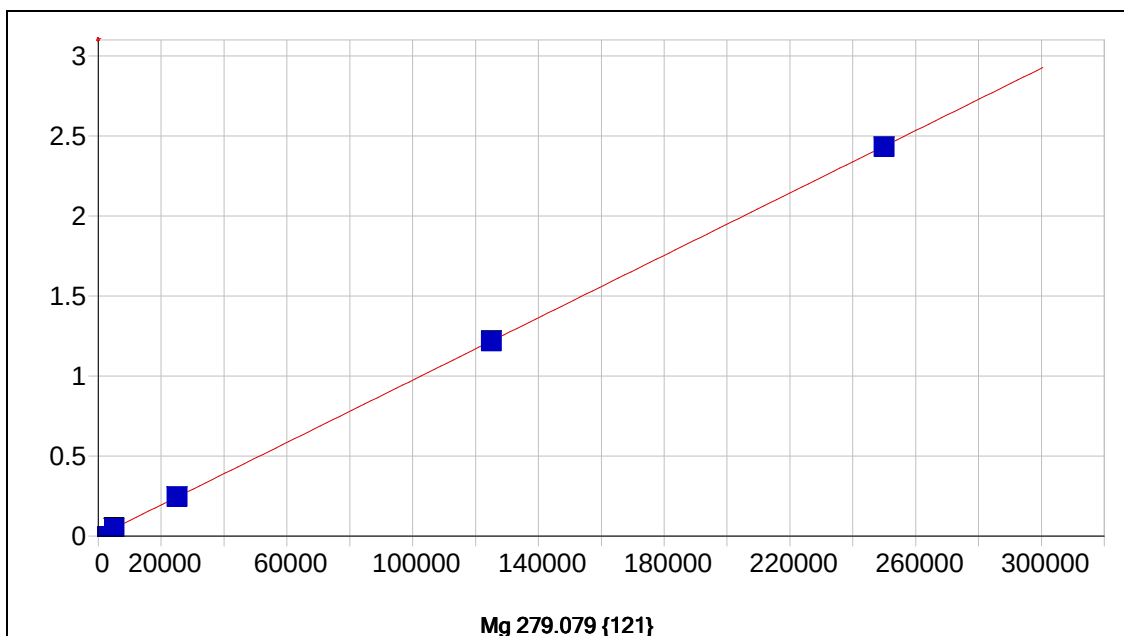
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00192	.002	.000	.00151	.000	1
DCAL1	10.000	8.7021	-1.30	-13.0	.00268	.000	1
DCAL2	25.000	23.750	-1.25	-5.00	.00469	.000	1
DCAL3	2500.0	2481.9	-18.1	-.724	.33495	.000	1
DCAL4	12500.	12359.	-141.	-1.12	1.6620	.002	1
DCAL5	25000.	25161.	161.	.645	3.3820	.004	1



Fe 271.441 {124}

Date of Fit: 11/2/2012 11:57:02 Type of Fit: Linear Weighting: 1/Conc

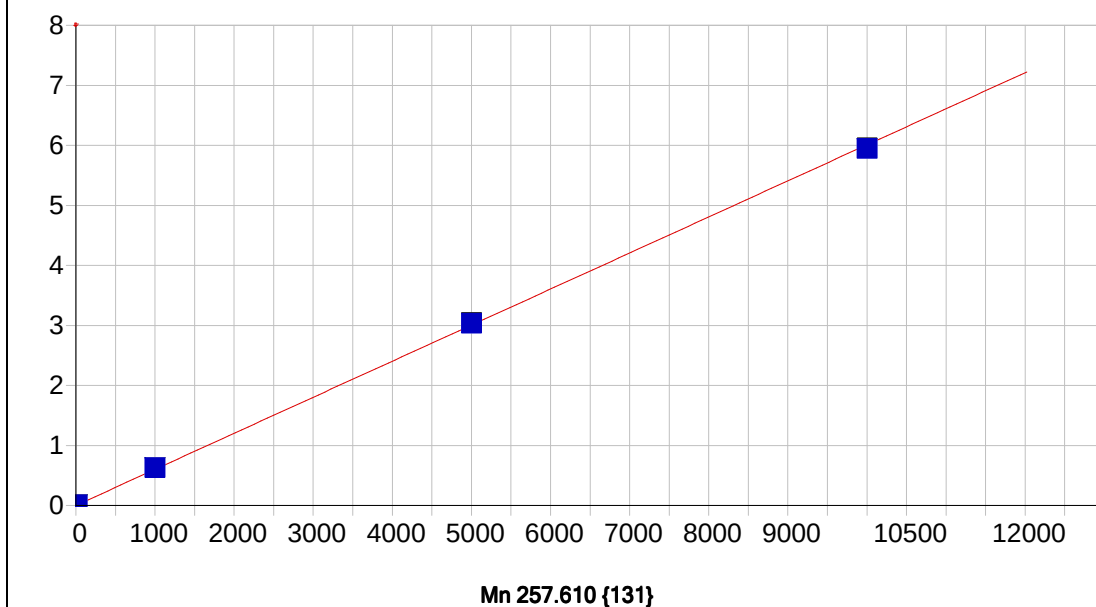




Date of Fit: 11/2/2012 11:57:02 Type of Fit: Linear Weighting: 1/Conc

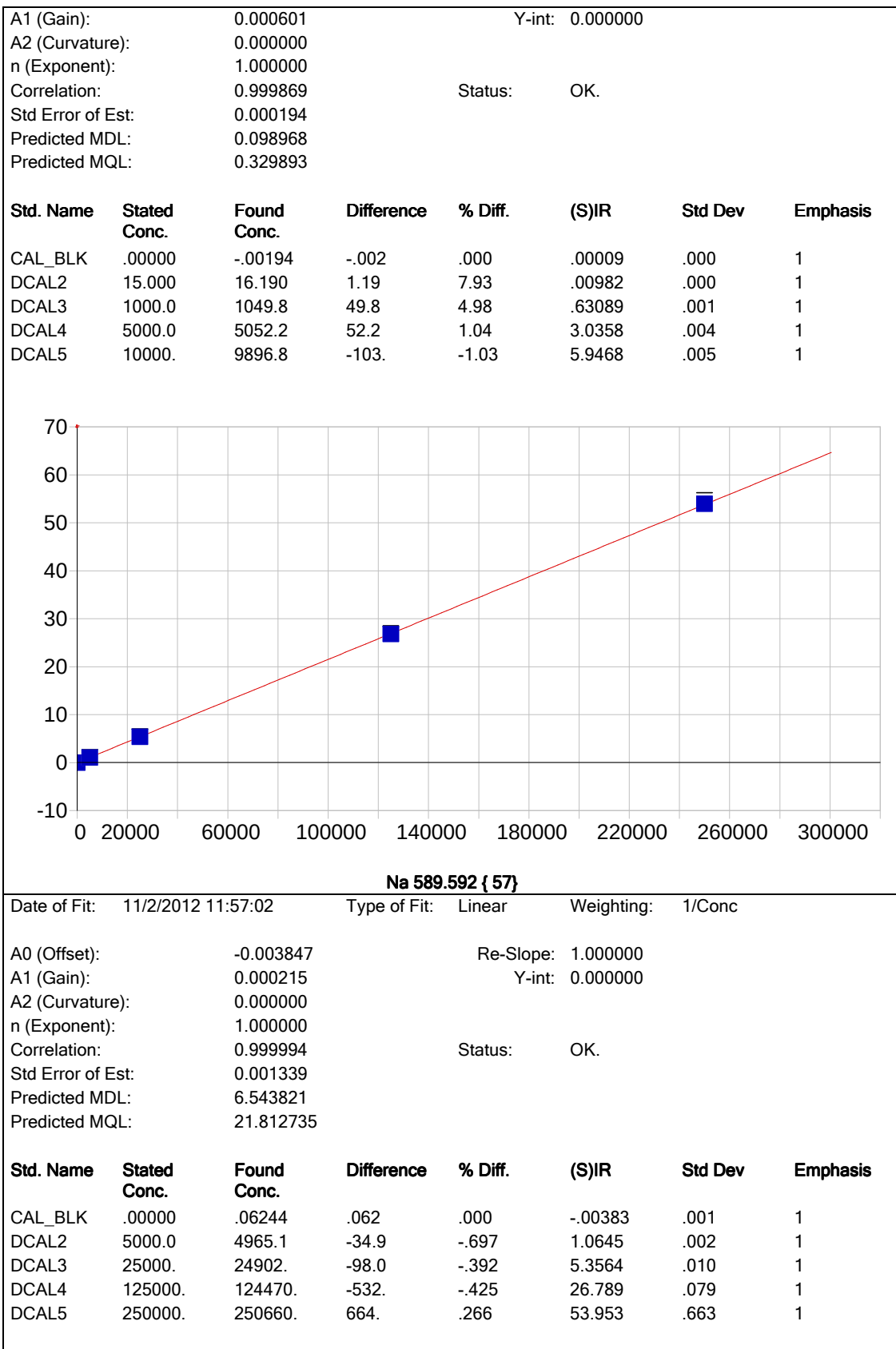
A0 (Offset): 0.000039 Re-Slope: 1.000000
 A1 (Gain): 0.000010 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999996 Status: OK.
 Std Error of Est: 0.000053
 Predicted MDL: 6.683088
 Predicted MQL: 22.276959

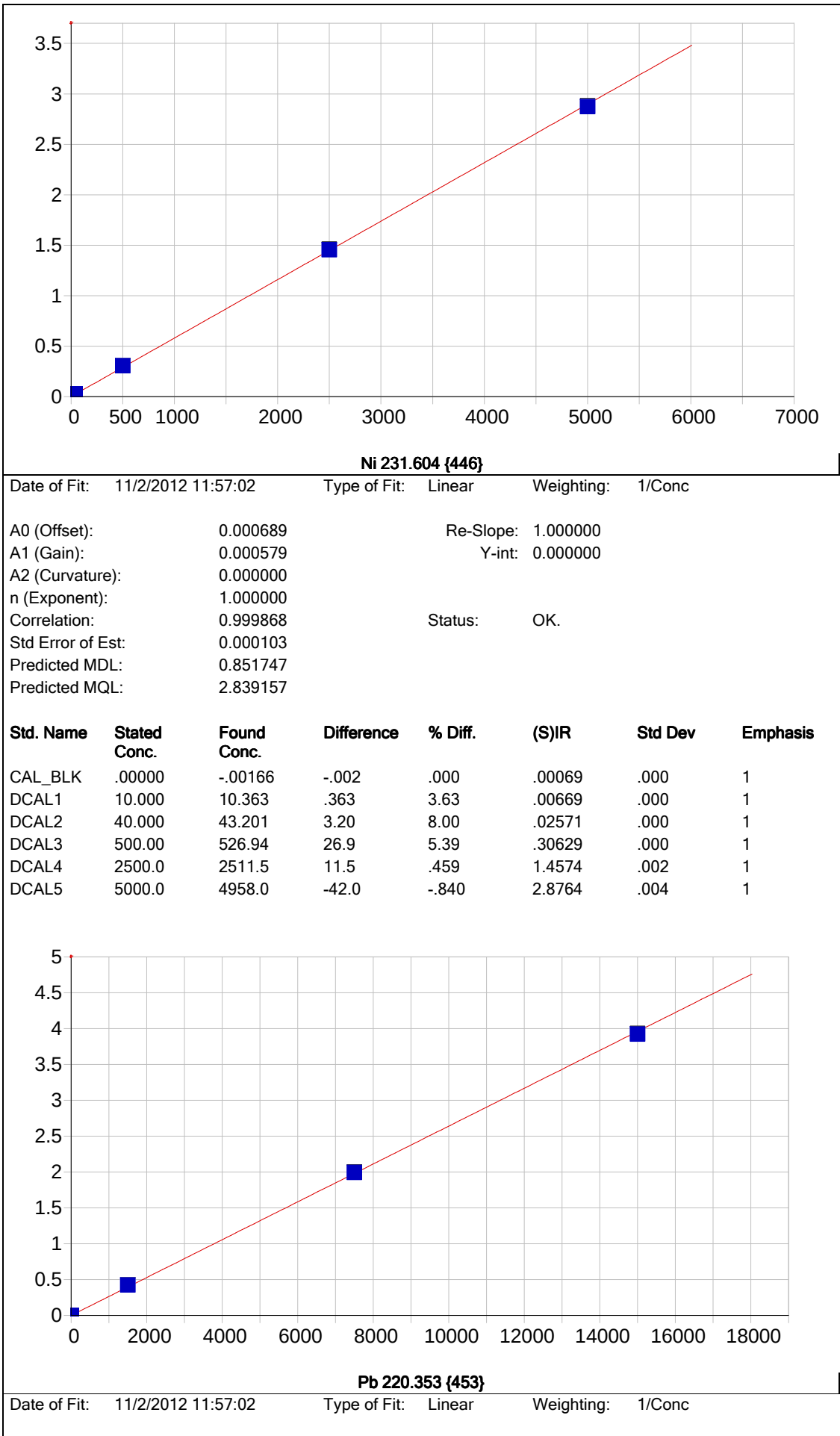
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.12443	-.124	.000	.00004	.000	1
DCAL2	5000.0	5091.5	91.5	1.83	.04965	.000	1
DCAL3	25000.	25188.	188.	.752	.24541	.000	1
DCAL4	125000.	125050.	47.4	.038	1.2182	.003	1
DCAL5	250000.	249670.	-327.	-.131	2.4323	.001	1

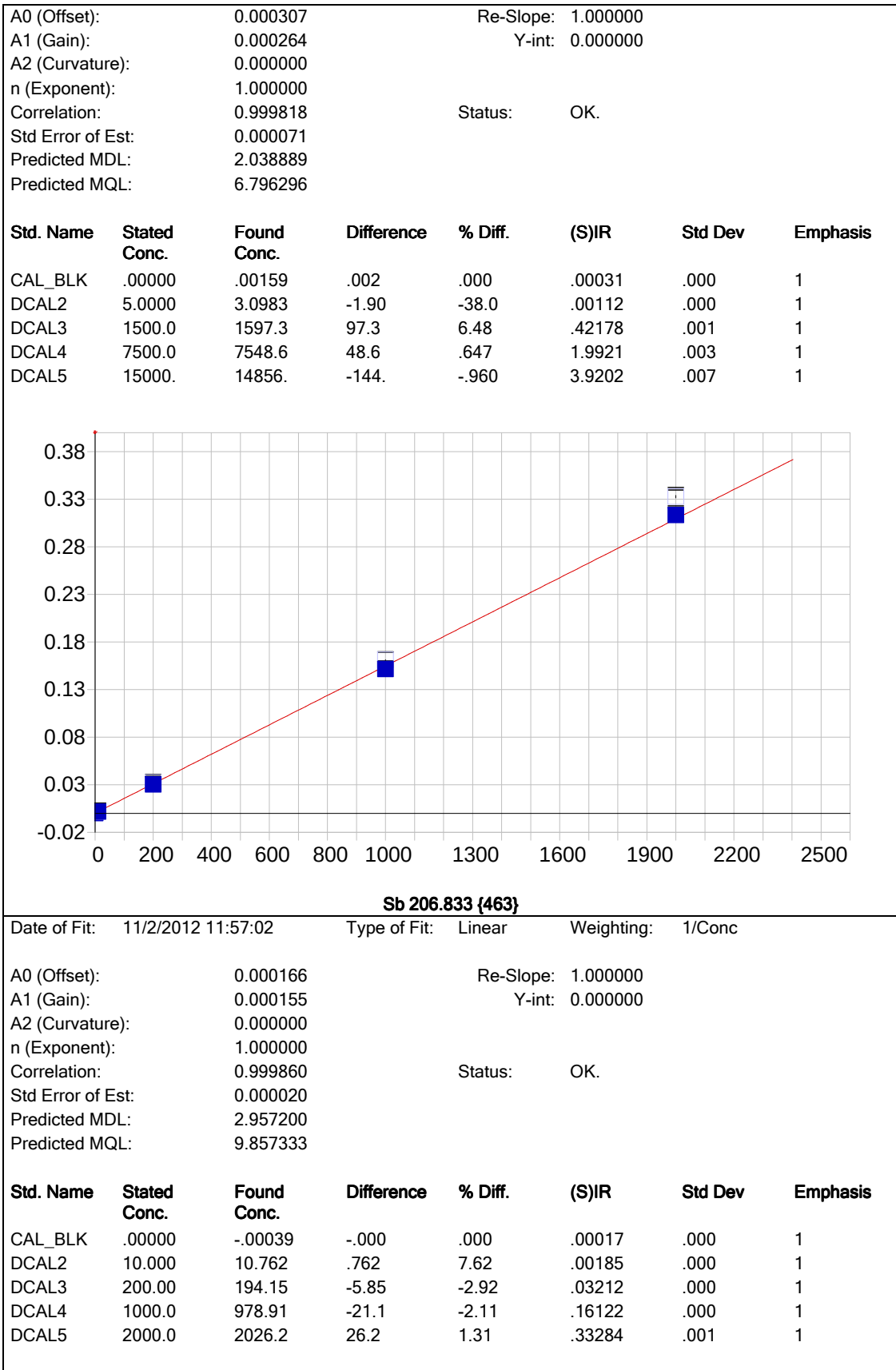


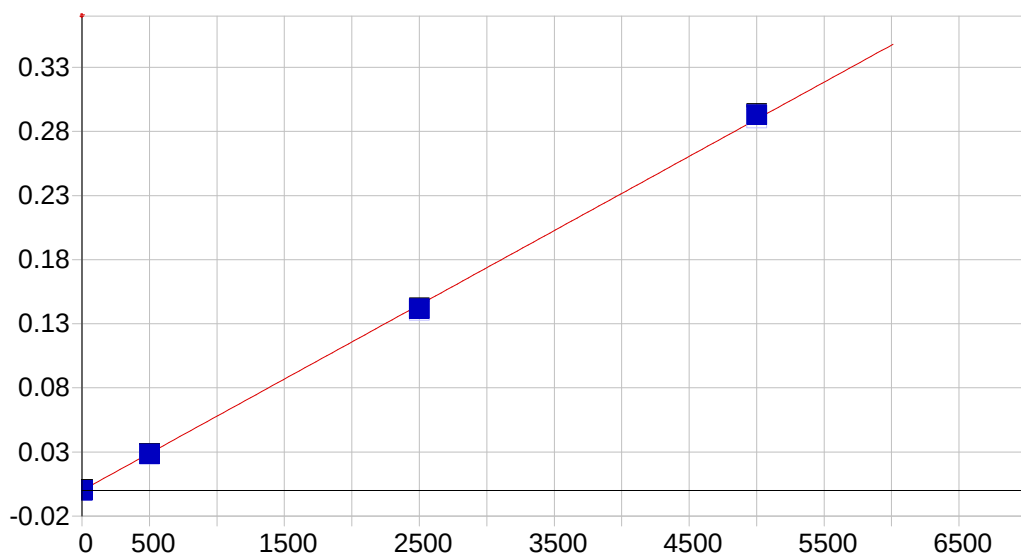
Date of Fit: 11/2/2012 11:57:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000091 Re-Slope: 1.000000







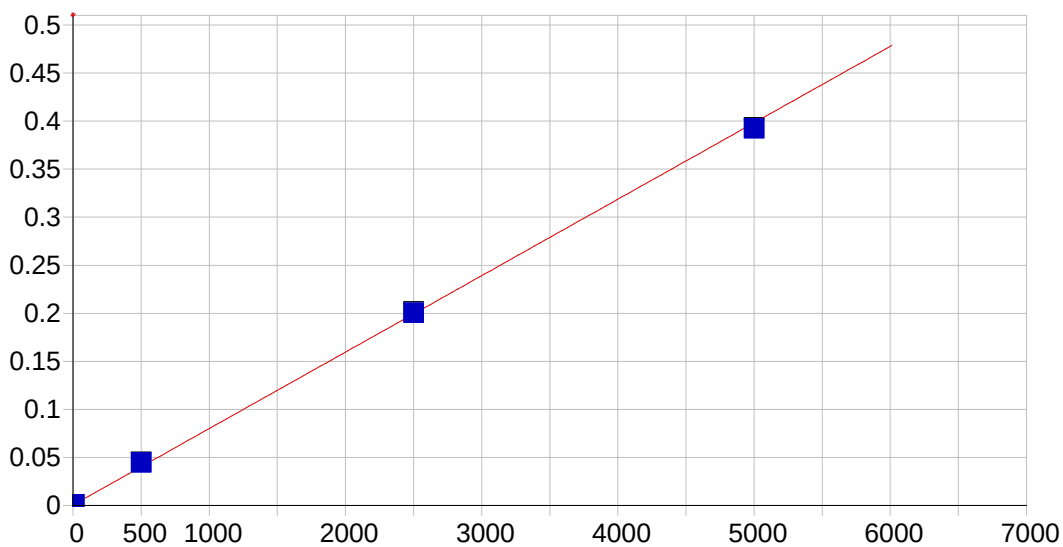


Se 196.090 {472}

Date of Fit: 11/2/2012 11:57:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000030 Re-Slope: 1.000000
 A1 (Gain): 0.000058 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999872 Status: OK.
 Std Error of Est: 0.000007
 Predicted MDL: 5.018503
 Predicted MQL: 16.728342

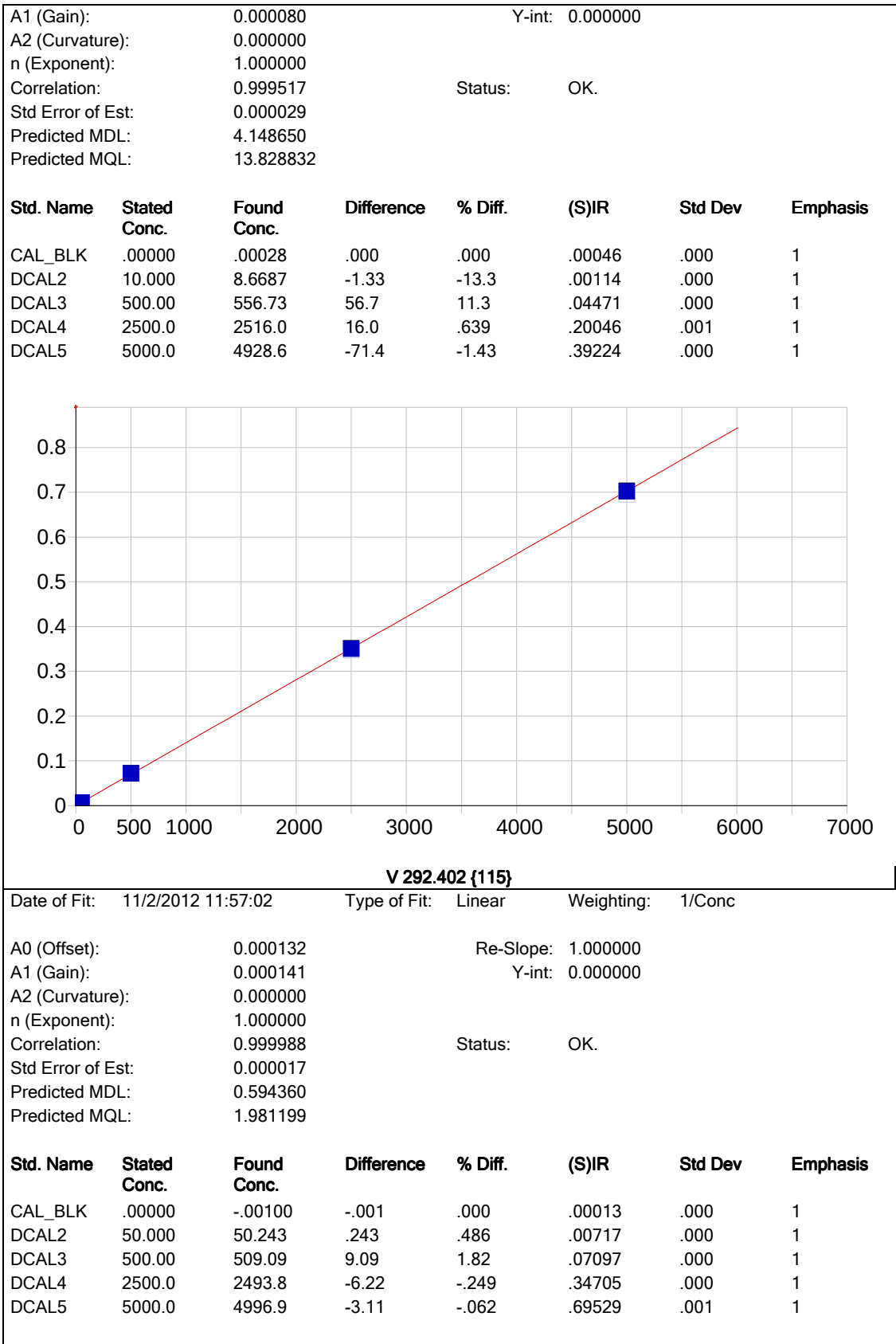
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00047	.000	.000	.00003	.000	1
DCAL2	5.0000	4.6541	-.346	-6.92	.00028	.000	1
DCAL3	500.00	492.07	-7.93	-1.59	.02826	.000	1
DCAL4	2500.0	2447.2	-52.8	-2.11	.14042	.001	1
DCAL5	5000.0	5061.0	61.0	1.22	.29045	.001	1

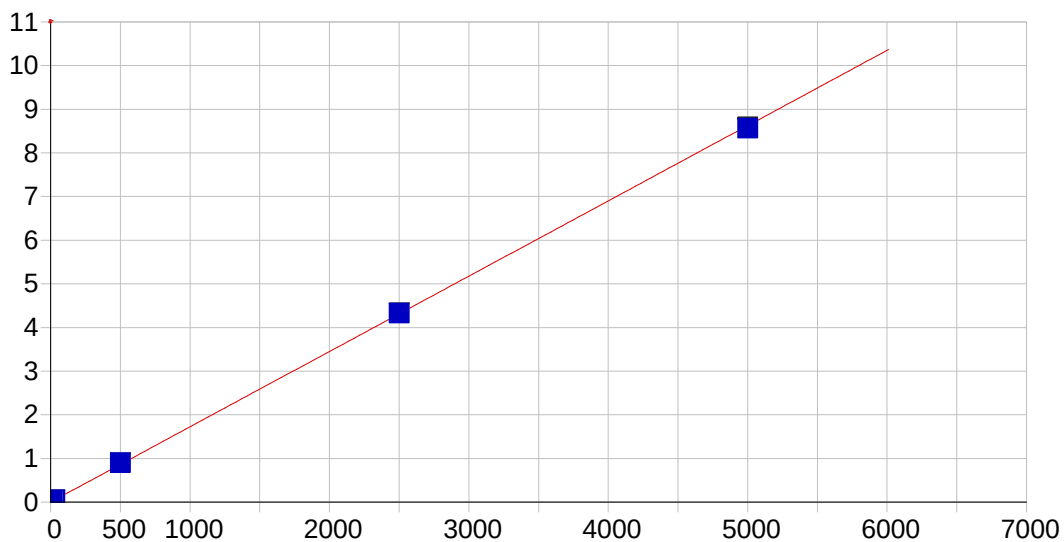


TI 190.856 {477}

Date of Fit: 11/2/2012 11:57:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000455 Re-Slope: 1.000000



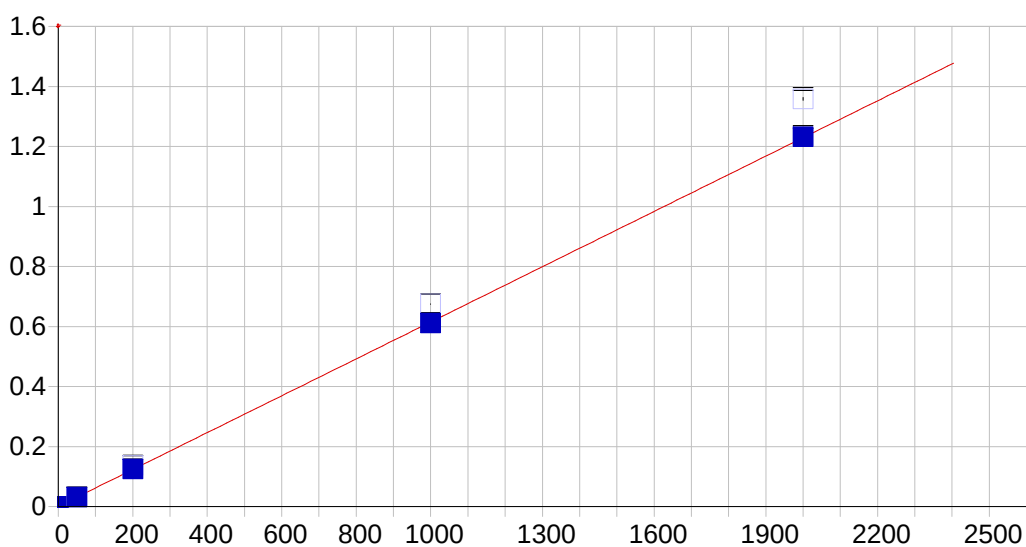


Zn 206.200 {463}

Date of Fit: 11/2/2012 11:57:02 Type of Fit: Linear Weighting: 1/Conc

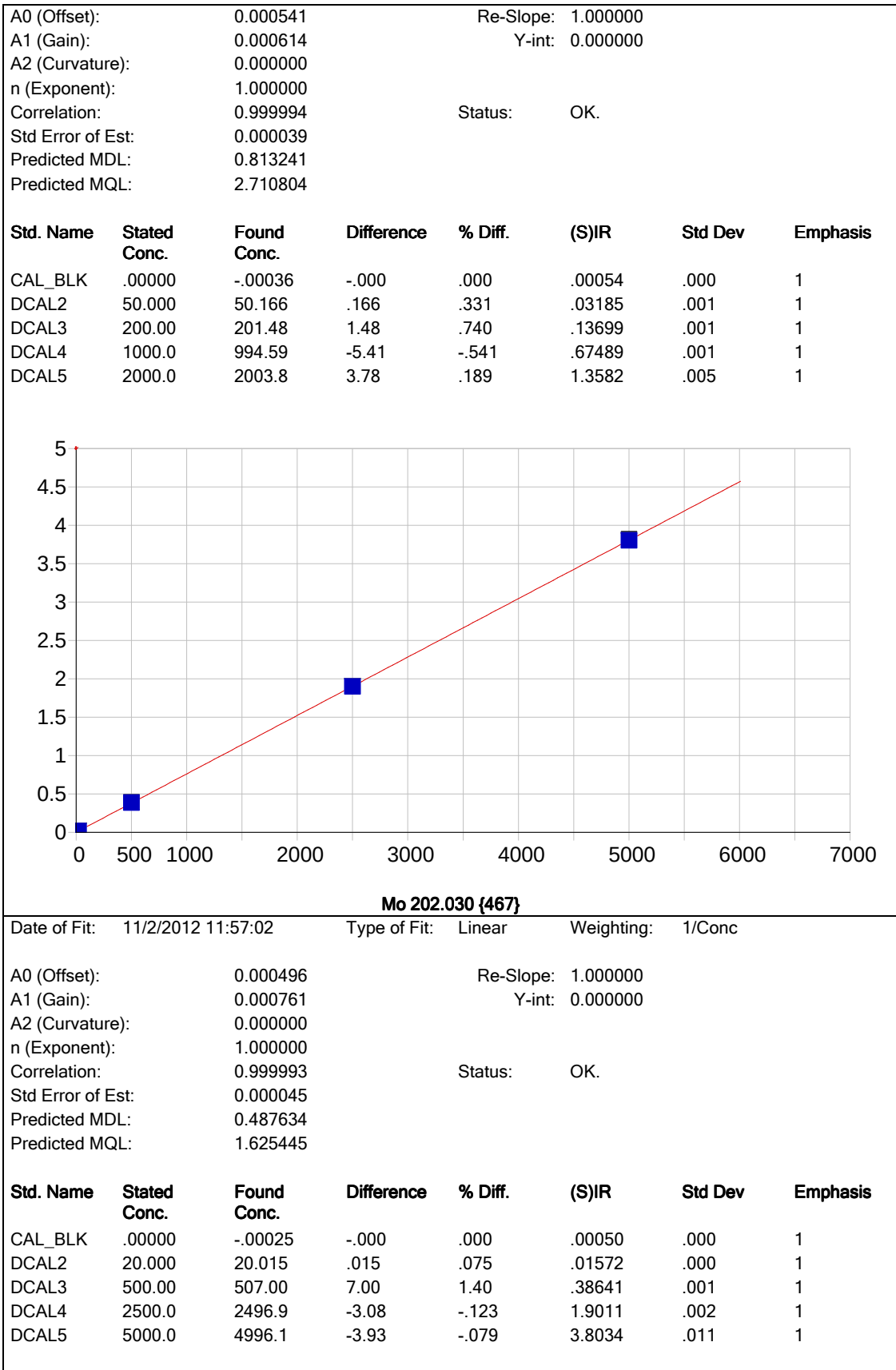
A0 (Offset): 0.000353 Re-Slope: 1.000000
 A1 (Gain): 0.001725 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999903 Status: OK.
 Std Error of Est: 0.000264
 Predicted MDL: 0.249698
 Predicted MQL: 0.832326

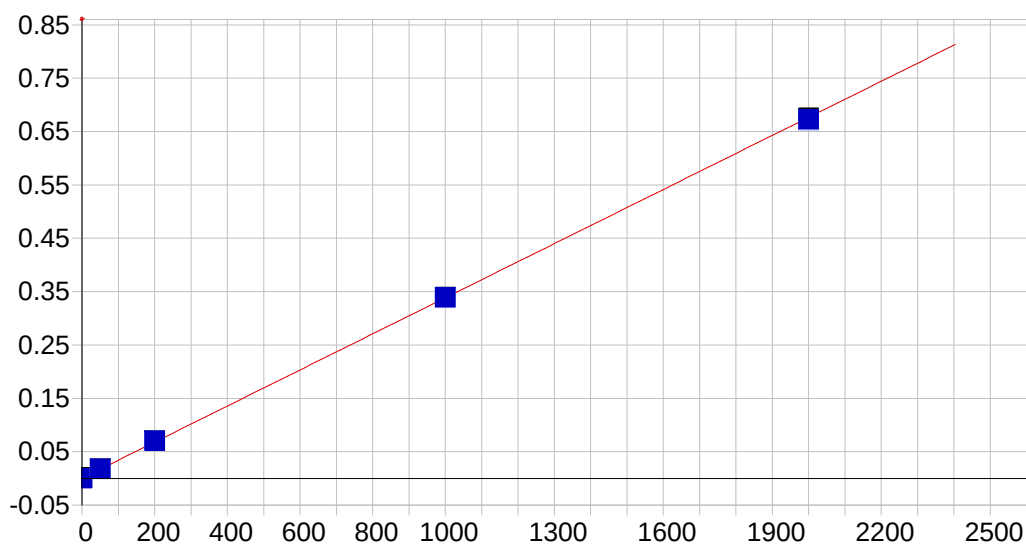
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00168	-.002	.000	.00035	.000	1
DCAL2	30.000	31.433	1.43	4.78	.05458	.000	1
DCAL3	500.00	523.97	24.0	4.79	.90446	.002	1
DCAL4	2500.0	2509.7	9.65	.386	4.3308	.009	1
DCAL5	5000.0	4964.2	-35.8	-.716	8.5662	.023	1
DCAL1	10.000	10.756	.756	7.56	.01891	.001	1



B 208.959 {461}

Date of Fit: 11/2/2012 11:57:02 Type of Fit: Linear Weighting: 1/Conc



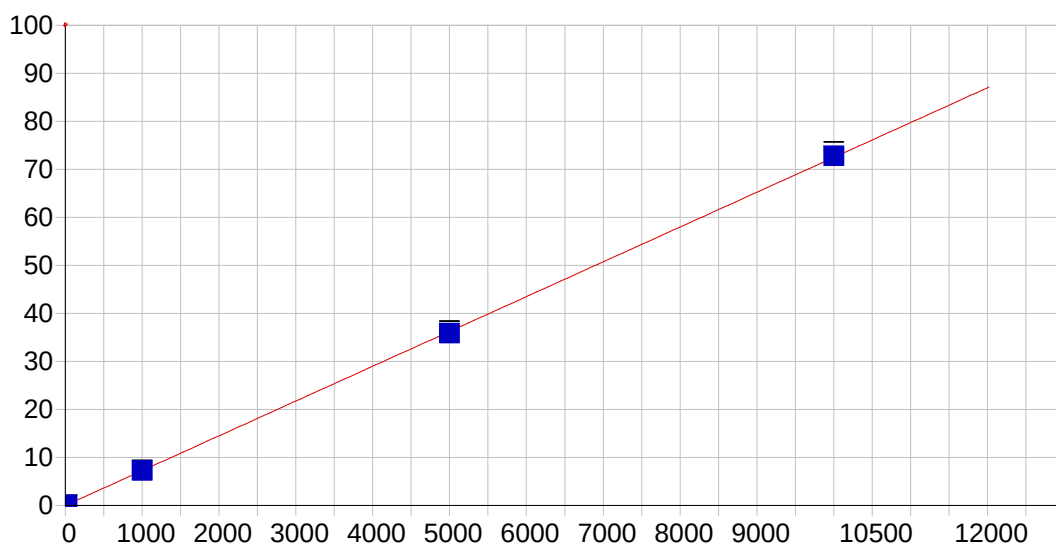


Sn 189.989 {477}

Date of Fit: 11/2/2012 11:57:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000349 Re-Slope: 1.000000
 A1 (Gain): 0.000338 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999935 Status: OK.
 Std Error of Est: 0.000063
 Predicted MDL: 0.994735
 Predicted MQL: 3.315782

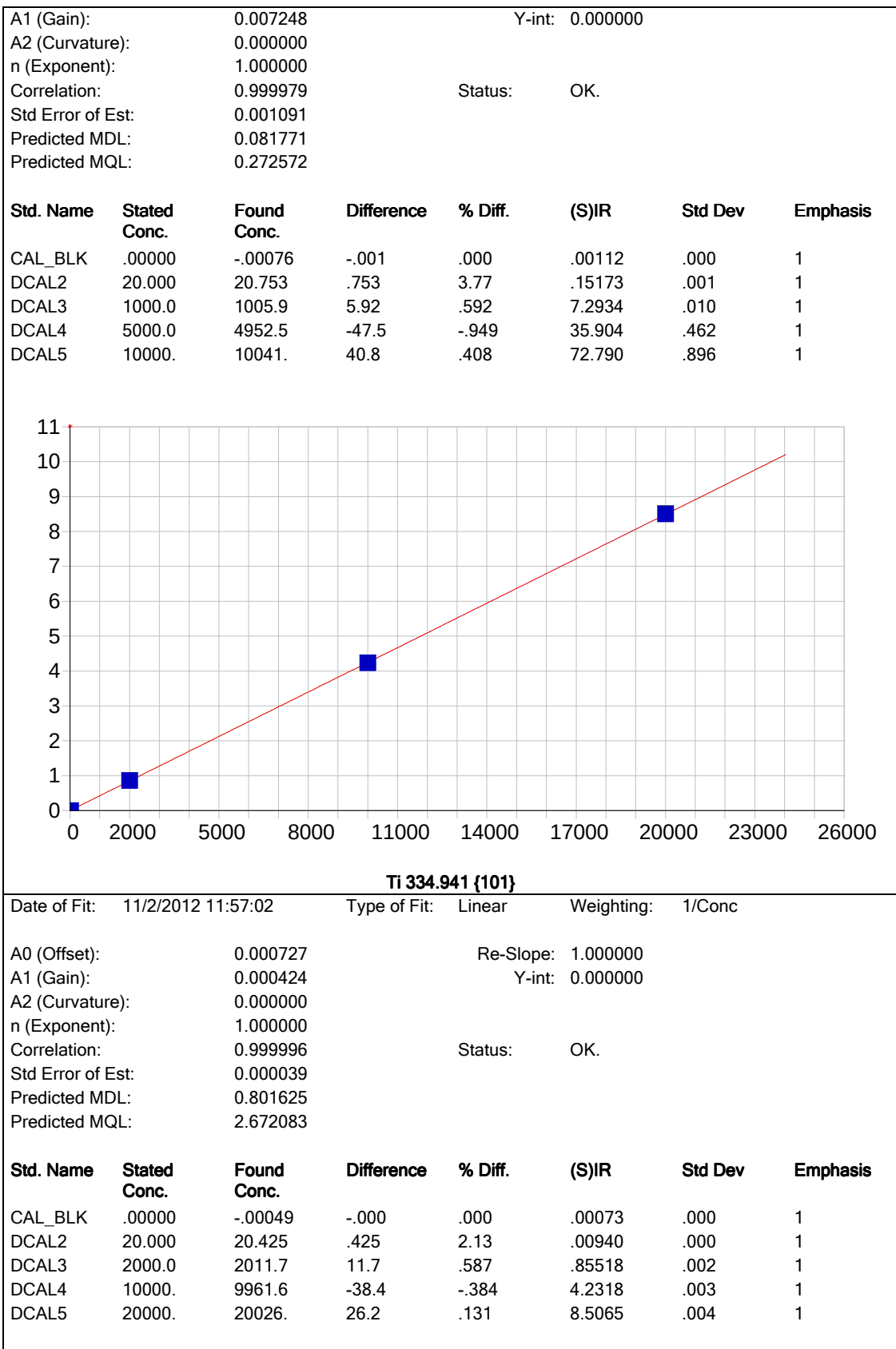
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00326	-.003	.000	.00035	.001	1
DCAL2	50.000	51.490	1.49	2.98	.01776	.000	1
DCAL3	200.00	207.75	7.75	3.88	.07040	.000	1
DCAL4	1000.0	1002.5	2.47	.247	.33835	.000	1
DCAL5	2000.0	1988.3	-11.7	-.586	.67072	.003	1

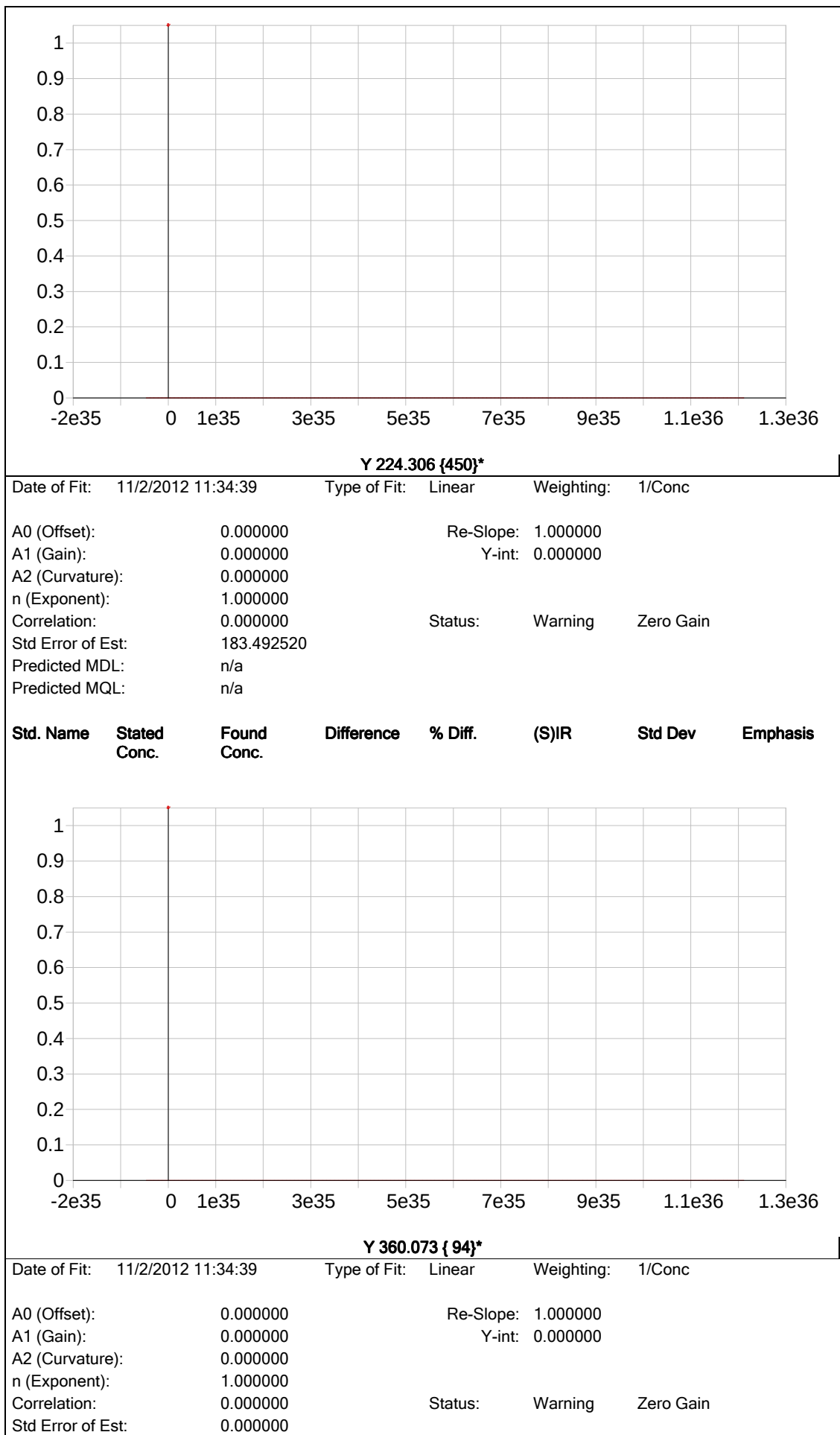


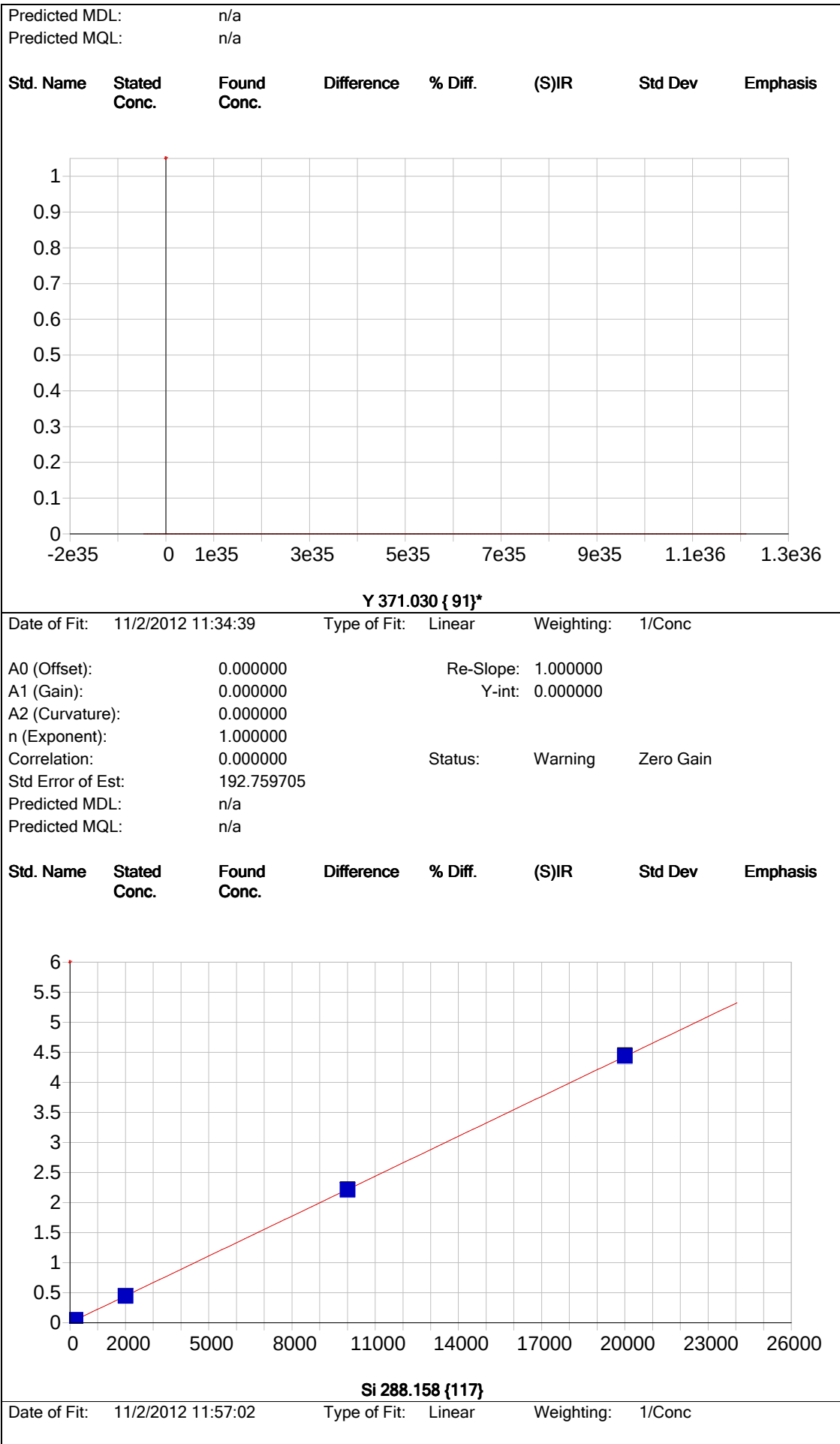
Sr 407.771 {83}

Date of Fit: 11/2/2012 11:57:02 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001121 Re-Slope: 1.000000







A0 (Offset):	0.003886	Re-Slope:	1.000000
A1 (Gain):	0.000221	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999994	Status:	OK.
Std Error of Est:	0.000077		
Predicted MDL:	10.242792		
Predicted MQL:	34.142641		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00719	.007	.000	.00389	.001	1
DCAL2	200.00	194.05	-5.95	-2.97	.04683	.001	1
DCAL3	2000.0	1987.6	-12.4	-.619	.44220	.004	1
DCAL4	10000.	9981.0	-19.0	-.190	2.2049	.005	1
DCAL5	20000.	20037.	37.4	.187	4.4227	.012	1

Sample Name: mb 460-134162/1-a@2 Acquired: 11/2/2012 17:10:37 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.71	-4.976	.3902	-.1333	-.0137	-1.642
Stddev	8.60	3.142	.4048	.1300	.0733	4.467
%RSD	58.46	63.13	103.7	97.53	533.6	272.0

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	-.2035	-.0292	-.2498	-.2920	13.42	76.60
Stddev	.1298	.2399	.3471	1.597	6.36	5.28
%RSD	63.81	822.2	139.0	547.0	47.41	6.891

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5918	-.0840	75.68	-.5761	-.3322	1.172
Stddev	7.204	.0812	4.74	.3404	.5731	3.160
%RSD	1217.	96.70	6.267	59.08	172.5	269.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	2.521	-.6844	-.0432	-.1580	.6317	-.3532
Stddev	2.590	1.128	.2635	.0632	.3495	.5853
%RSD	102.8	164.8	609.9	39.98	55.33	165.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-134162/1-a@2 Acquired: 11/2/2012 17:10:37 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.222	-.1078	-.3060	8.583
Stddev	.453	.0720	.2504	13.15
%RSD	37.06	66.76	81.80	153.2

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	1241.5	39098.	11747.
Stddev	1.3	72.	12.
%RSD	.10396	.18368	.10317

Sample Name: lcssrm 460-134162/2- Acquired: 11/2/2012 17:14:21 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20870.	784.3	201.2	1011.	524.3	33390.
Stddev	69.	4.7	.2	2.	1.1	103.
%RSD	.3292	.5988	.1096	.1994	.2152	.3086

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	511.2	676.1	568.0	559.8	48010.	11250.
Stddev	1.2	1.1	1.9	3.1	47.	65.
%RSD	.2373	.1566	.3345	.5466	.0984	.5780

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10010.	1636.	1550.	351.5	394.5	1043.
Stddev	17.	2.	3.	1.3	3.0	3.
%RSD	.1683	.0922	.1638	.3677	.7615	.3289

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	584.9	1123.	398.9	1356.	417.2	335.7
Stddev	6.3	5.	1.1	2.	2.5	1.1
%RSD	1.077	.4720	.2648	.1663	.5903	.3282

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-134162/2- Acquired: 11/2/2012 17:14:21 Type: QC
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	744.0	609.0	802.1	3406.
Stddev	2.6	1.1	3.3	20.
%RSD	.3556	.1793	.4150	.5796

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	1256.1	39629.	12305.
Stddev	5.5	180.	28.
%RSD	.43529	.45380	.23039

Sample Name: 460-46023-d-11-e du@ Acquired: 11/2/2012 17:17:51 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12110.	38.18	-.0234	1252.	1.571	6491.
Stddev	5.	2.19	.2932	3.	.068	8.
%RSD	.0401	5.726	1256.	.2288	4.354	.1303

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.45	28.57	140.0	1391.	58280.	1570.
Stddev	.30	.25	.6	4.	40.	18.
%RSD	1.399	.8703	.4360	.2560	.0679	1.119

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4677.	395.8	268.1	486.1	472.6	10.23
Stddev	3.	1.0	5.9	2.0	.3	3.20
%RSD	.0647	.2601	2.217	.4080	.0665	31.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.989	-2.975	104.8	4656.	31.59	11.22
Stddev	2.687	4.494	.7	7.	.61	.88
%RSD	135.1	151.0	.7084	.1536	1.923	7.817

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46023-d-11-e du@ Acquired: 11/2/2012 17:17:51 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	17.11	97.52	1059.	1510.
Stddev	.69	.28	2.	26.
%RSD	4.049	.2903	.1924	1.705

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	1253.3	39589.	12098.
Stddev	3.4	99.	30.
%RSD	.27071	.24992	.24481

Sample Name: 460-46023-d-11-d@4 Acquired: 11/2/2012 17:21:24 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15010.	51.32	.0381	1704.	1.619	7066.
Stddev	26.	1.92	.4972	3.	.061	5.
%RSD	.1711	3.742	1305.	.1795	3.767	.0712

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.65	34.61	141.6	1633.	87090.	1810.
Stddev	.20	.30	.5	3.	249.	15.
%RSD	.9058	.8589	.3567	.1538	.2855	.8184

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6740.	512.9	302.9	543.0	564.9	5.061
Stddev	44.	1.9	10.6	1.7	1.4	2.165
%RSD	.6468	.3743	3.508	.3058	.2502	42.78

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-1.634	-7.200	133.8	F 5294.	43.54	13.12
Stddev	1.299	3.095	.5	2.	.92	.24
%RSD	79.45	42.98	.3805	.0380	2.117	1.861

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Sample Name: 460-46023-d-11-d@4 Acquired: 11/2/2012 17:21:24 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	19.83	112.3	1219.	1640.
Stddev	1.18	.1	1.	21.
%RSD	5.932	.0867	.0750	1.294

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	1253.9	39345.	12083.
Stddev	4.2	52.	71.
%RSD	.33381	.13138	.58653

Sample Name: sd 460-46023-d-11-d@ Acquired: 11/2/2012 17:24:55 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2951.	7.266	.7322	333.0	.2182	1382.
Stddev	12.	2.598	.1463	.4	.0844	12.
%RSD	.3947	35.76	19.99	.1332	38.69	.8786

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.985	6.757	27.09	320.2	17220.	370.1
Stddev	.204	.418	.44	1.6	31.	27.8
%RSD	5.130	6.193	1.616	.5019	.1790	7.523

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1330.	100.9	83.71	106.9	110.8	1.333
Stddev	10.	.2	1.70	.8	1.8	.954
%RSD	.7831	.2277	2.035	.7581	1.651	71.56

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-1.056	-5.299	25.63	1050.	9.009	2.374
Stddev	1.342	1.793	.32	1.	.811	.096
%RSD	127.0	33.83	1.261	.1395	9.003	4.029

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-46023-d-11-d@ Acquired: 11/2/2012 17:24:55 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	3.636	21.85	235.1	316.9
Stddev	.862	.07	.2	18.8
%RSD	23.71	.3174	.0742	5.933

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	1265.9	39591.	11922.
Stddev	1.6	135.	39.
%RSD	.12869	.34151	.32344

Sample Name: 460-46023-d-11-f ms@ Acquired: 11/2/2012 17:28:30 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13450.	950.4	22.64	2063.	25.49	15390.
Stddev	36.	5.3	.44	4.	.04	20.
%RSD	.2670	.5568	1.944	.1717	.1521	.1290

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37.88	277.2	223.9	1346.	46200.	11010.
Stddev	.15	.8	.4	5.	252.	17.
%RSD	.3851	.2890	.1650	.3838	.5447	.1533

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14430.	562.1	10170.	680.6	654.2	221.2
Stddev	72.	1.6	29.	2.8	2.6	1.8
%RSD	.5015	.2778	.2893	.4062	.3930	.8281

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	903.9	1051.	335.9	3916.	260.8	246.5
Stddev	5.9	6.	.9	4.	.2	.6
%RSD	.6579	.6116	.2739	.0907	.0749	.2248

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46023-d-11-f ms@ Acquired: 11/2/2012 17:28:30 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	286.2	331.4	1356.	2831.
Stddev	.9	.4	1.	24.
%RSD	.3222	.1147	.0717	.8420

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	1239.7	38832.	12044.
Stddev	3.7	101.	53.
%RSD	.29985	.25918	.43731

Sample Name: pds 460-46023-d-11-d Acquired: 11/2/2012 17:31:59 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16670.	1854.	44.57	3619.	48.12	26660.
Stddev	26.	5.	.20	4.	.09	38.
%RSD	.1579	.2660	.4550	.1194	.1915	.1421

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	69.02	515.2	330.8	1840.	86450.	20260.
Stddev	.28	.7	1.5	5.	192.	37.
%RSD	.4046	.1265	.4460	.2475	.2222	.1823

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25060.	987.3	19300.	1015.	1034.	440.1
Stddev	124.	1.1	26.	2.	1.	6.7
%RSD	.4926	.1130	.1342	.1537	.0630	1.530

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1770.	2008.	597.6	F 5725.	503.3	473.8
Stddev	8.	4.	.5	.	.5	1.8
%RSD	.4294	.2152	.0770	.0085	.1043	.3757

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Sample Name: pds 460-46023-d-11-d Acquired: 11/2/2012 17:31:59 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	494.6	570.6	1676.	1769.
Stddev	1.5	.9	4.	40.
%RSD	.2952	.1622	.2214	2.255

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	1222.9	38451.	12054.
Stddev	3.7	27.	50.
%RSD	.30406	.07102	.41772

Sample Name: 460-46023-d-12-b@4 Acquired: 11/2/2012 17:35:26 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7299.	24.33	.1794	1161.	2.225	6464.
Stddev	17.	2.73	.5440	4.	.026	19.
%RSD	.2388	11.23	303.2	.3209	1.163	.2906

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9047	27.79	1334.	991.2	76610.	1362.
Stddev	.1270	.43	5.	.6	189.	6.
%RSD	14.03	1.540	.3506	.0589	.2462	.4759

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1287.	1023.	331.8	875.3	203.4	11.07
Stddev	5.	1.	8.4	3.7	1.8	2.34
%RSD	.3730	.1424	2.534	.4181	.8670	21.15

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.833	-5.091	30.21	F 19270.	13.42	7.162
Stddev	4.151	2.458	.29	84.	.44	.713
%RSD	226.4	48.29	.9653	.4368	3.311	9.948

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Sample Name: 460-46023-d-12-b@4 Acquired: 11/2/2012 17:35:26 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	18.17	58.21	411.6	1245.
Stddev	1.15	.04	1.9	23.
%RSD	6.349	.0707	.4613	1.844

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	1270.7	39998.	12194.
Stddev	1.0	138.	7.
%RSD	.08130	.34607	.06046

Sample Name: 460-46023-d-13-b@4 Acquired: 11/2/2012 17:38:58 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11750.	7.939	-4.407	225.5	5.594	6155.
Stddev	27.	3.445	.9129	.6	.059	21.
%RSD	.2298	43.39	207.2	.2820	1.058	.3399

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6945	14.37	81.53	37.93	81930.	847.0
Stddev	.1374	.24	.30	1.06	174.	9.9
%RSD	19.78	1.690	.3684	2.786	.2122	1.163

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2856.	1629.	360.0	42.66	24.19	.4133
Stddev	1.	2.	1.4	1.01	1.06	2.201
%RSD	.0516	.0997	.3923	2.369	4.377	532.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-4.981	-4.151	78.58	87.93	11.73	-.6398
Stddev	3.131	3.890	.41	.56	.79	.3083
%RSD	62.86	93.73	.5217	.6315	6.774	48.18

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46023-d-13-b@4 Acquired: 11/2/2012 17:38:58 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	2.505	54.41	1032.	1060.
Stddev	.789	.16	1.	12.
%RSD	31.50	.2969	.0911	1.129

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	1305.7	40851.	12399.
Stddev	2.3	119.	66.
%RSD	.17638	.29121	.53071

Sample Name: 460-46440-a-3-d@4 Acquired: 11/2/2012 17:42:33 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8535.	5.038	-.0529	56.47	.5470	12130.
Stddev	74.	.935	.5715	.15	.0546	67.
%RSD	.8639	18.56	1080.	.2625	9.986	.5540

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1722	5.254	47.35	38.59	20990.	757.5
Stddev	.1624	.389	.11	1.67	89.	38.3
%RSD	94.29	7.395	.2351	4.323	.4263	5.052

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7786.	266.4	278.6	18.31	66.49	1.532
Stddev	22.	.7	2.4	.52	1.06	1.896
%RSD	.2779	.2579	.8670	2.844	1.591	123.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-.7364	-3.347	27.42	149.0	8.683	6.948
Stddev	2.343	1.362	.27	.7	.621	.228
%RSD	318.1	40.70	.9917	.4960	7.149	3.282

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46440-a-3-d@4 Acquired: 11/2/2012 17:42:33 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	2.034	14.76	446.0	1292.
Stddev	1.046	.09	2.3	18.
%RSD	51.42	.5989	.5076	1.383

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	1246.9	39239.	12038.
Stddev	2.9	68.	121.
%RSD	.23414	.17374	1.0028

Sample Name: CCV Acquired: 11/2/2012 17:46:10 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123000.	2475.	1230.	10130.	970.3	126600.
Stddev	288.	1.	1.	10.	3.1	234.
%RSD	.2339	.0281	.0712	.0943	.3188	.1849

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	1269.	2527.	4993.	12300.	100100.	50070.
Stddev	1.	4.	13.	32.	184.	124.
%RSD	.1056	.1406	.2506	.2614	.1835	.2481

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	124000.	5062.	125400.	2521.	7725.	996.9
Stddev	203.	7.	388.	3.	11.	7.9
%RSD	.1635	.1480	.3095	.1119	.1421	.7932

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2461.	2513.	2472.	2487.	987.1	2519.
Stddev	8.	3.	3.	4.	1.4	4.
%RSD	.3373	.1097	.1100	.1499	.1459	.1480

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/2/2012 17:46:10 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1009.	4901.	9896.	9977.
Stddev	1.	59.	26.	144.
%RSD	.0878	1.197	.2667	1.446

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	1129.2	35509.	11496.
Stddev	1.4	28.	88.
%RSD	.12150	.07854	.76909

Sample Name: CCB Acquired: 11/2/2012 17:49:40 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.753	-2.229	.1983	.5459	.0861	8.715
Stddev	12.28	2.135	.5792	.4844	.0820	4.890
%RSD	125.9	95.80	292.1	88.73	95.25	56.11

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	.0292	.0242	.1500	1.828	23.63	146.5
Stddev	.2305	.0549	.1030	1.957	8.40	52.6
%RSD	788.5	227.1	68.69	107.1	35.54	35.90

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.249	.3471	86.35	-.2746	.2434	1.467
Stddev	8.210	.3991	27.98	.5453	.7165	1.255
%RSD	365.0	115.0	32.41	198.6	294.3	85.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	.7903	-1.776	-.0748	.6904	1.132	2.419
Stddev	3.664	2.640	.5685	.2812	.774	.736
%RSD	463.7	148.7	759.7	40.73	68.38	30.42

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/2/2012 17:49:40 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.453	.4255	2.129	12.95
Stddev	.202	.4328	.633	4.83
%RSD	13.92	101.7	29.74	37.34

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	1253.3	39419.	11785.
Stddev	1.0	121.	3.
%RSD	.07812	.30689	.02762

Sample Name: 460-46440-a-4-e@4 Acquired: 11/2/2012 17:53:20 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1828.	-2.324	.5695	18.46	.0687	266.4
Stddev	16.	2.364	.2163	.28	.0578	5.0
%RSD	.8626	101.7	37.98	1.542	84.09	1.895

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1975	.6540	6.157	3.982	1757.	327.0
Stddev	.0549	.5250	.294	2.733	23.	22.1
%RSD	27.80	80.27	4.771	68.63	1.295	6.751

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	382.2	11.75	113.8	2.133	-.4493	1.356
Stddev	.3	.11	4.2	.229	2.067	3.973
%RSD	.0810	.9266	3.658	10.74	460.0	293.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-3.274	.7802	3.105	10.06	6.868	.5227
Stddev	1.040	3.274	.461	.12	.810	.3052
%RSD	31.78	419.7	14.84	1.179	11.80	58.39

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46440-a-4-e@4 Acquired: 11/2/2012 17:53:20 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.4894	3.158	101.8	757.3
Stddev	.5046	.088	.4	7.3
%RSD	103.1	2.792	.3907	.9699

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	1253.8	39662.	11967.
Stddev	4.3	162.	36.
%RSD	.34163	.40890	.29722

Sample Name: 460-46440-a-5-e@4 Acquired: 11/2/2012 17:57:00 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41430.	13.38	-.2756	353.0	2.836	12020.
Stddev	35.	2.44	.3943	1.2	.024	16.
%RSD	.0839	18.28	143.0	.3534	.8545	.1353

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6518	38.68	97.04	73.98	83020.	11000.
Stddev	.0620	.40	.61	1.61	163.	24.
%RSD	9.510	1.043	.6284	2.176	.1960	.2216

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20990.	1873.	331.1	69.20	29.79	.9919
Stddev	115.	4.	.2	.17	.93	.9780
%RSD	.5453	.1923	.0526	.2473	3.111	98.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-2.525	-6.834	129.5	188.3	5.867	.4061
Stddev	5.073	5.054	.6	.4	.123	.2110
%RSD	200.9	73.95	.4389	.2057	2.103	51.96

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46440-a-5-e@4 Acquired: 11/2/2012 17:57:00 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	2.301	39.74	2929.	2220.
Stddev	.662	.07	5.	11.
%RSD	28.77	.1660	.1566	.4988

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	1264.7	39742.	12230.
Stddev	3.9	114.	56.
%RSD	.30932	.28755	.45530

Sample Name: 460-46440-a-6-e@4 Acquired: 11/2/2012 18:00:34 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26460.	6.138	.2751	71.15	.4740	2923.
Stddev	36.	4.106	.0841	.22	.0758	3.
%RSD	.1368	66.89	30.57	.3153	15.99	.1030

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5893	9.389	71.49	24.67	47540.	3275.
Stddev	.0149	.412	.31	1.05	77.	4.
%RSD	2.525	4.388	.4325	4.264	.1626	.1080

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8393.	299.0	1384.	25.14	29.06	-1.117
Stddev	57.	.6	9.	.48	2.96	.796
%RSD	.6774	.2066	.6147	1.918	10.17	71.30

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	.2520	-3.512	88.82	81.17	7.710	1.038
Stddev	4.557	3.177	.39	.26	.341	.388
%RSD	1808.	90.46	.4406	.3158	4.418	37.42

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46440-a-6-e@4 Acquired: 11/2/2012 18:00:34 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1.743	20.90	1462.	1773.
Stddev	.287	.08	2.	7.
%RSD	16.44	.3955	.1471	.3790

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	1240.0	38921.	11842.
Stddev	4.7	67.	25.
%RSD	.37828	.17264	.20953

Sample Name: 460-46440-a-7-e@4 Acquired: 11/2/2012 18:04:11 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9236.	9.298	.6951	60.07	.5463	2212.
Stddev	18.	2.682	.3186	.25	.0082	12.
%RSD	.1935	28.85	45.84	.4092	1.507	.5223

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1862	5.769	63.87	28.80	21950.	810.1
Stddev	.1466	.228	.43	.91	18.	13.4
%RSD	78.72	3.952	.6763	3.156	.0827	1.651

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2374.	228.1	304.7	18.39	69.70	2.759
Stddev	15.	.2	3.9	.34	1.32	.368
%RSD	.6169	.0716	1.267	1.828	1.894	13.34

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.827	-4.322	33.20	69.01	7.238	6.215
Stddev	6.994	1.765	.74	.07	.876	.083
%RSD	382.8	40.84	2.227	.0986	12.10	1.337

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46440-a-7-e@4 Acquired: 11/2/2012 18:04:11 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1.712	9.863	460.1	1254.
Stddev	.736	.060	2.5	10.
%RSD	42.97	.6088	.5489	.8089

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	1260.6	39707.	11982.
Stddev	3.8	140.	62.
%RSD	.30413	.35351	.51859

Sample Name: 460-46440-a-8-e@4 Acquired: 11/2/2012 18:07:48 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2795.	-.6099	-.0292	19.03	.2934	516.6
Stddev	22.	4.055	.2000	.55	.0880	6.2
%RSD	.7711	664.9	685.7	2.865	29.98	1.202

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2947	3.429	13.18	6.405	8616.	443.4
Stddev	.1720	.198	.33	1.008	38.	13.3
%RSD	58.35	5.781	2.498	15.73	.4404	2.997

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	657.4	125.9	60.50	5.045	1.258	.7863
Stddev	9.5	.4	5.67	.638	.803	1.849
%RSD	1.445	.3010	9.380	12.65	63.80	235.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-1.345	-5.400	12.26	19.19	5.165	.0629
Stddev	4.049	1.382	.08	.17	.994	.1475
%RSD	301.0	25.60	.6729	.8739	19.25	234.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46440-a-8-e@4 Acquired: 11/2/2012 18:07:48 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-9148	2.733	179.1	550.7
Stddev	.7328	.057	1.1	6.6
%RSD	80.11	2.091	.6317	1.197

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	1256.2	39730.	11935.
Stddev	.5	229.	51.
%RSD	.04234	.57736	.42371

Sample Name: 460-46496-d-2-a@4 Acquired: 11/2/2012 18:11:27 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51750.	.2070	-.3816	737.0	1.167	1925.
Stddev	166.	3.015	.1621	.1	.060	16.
%RSD	.3211	1456.	42.47	.0115	5.127	.8257

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.072	35.05	68.12	99.95	72670.	23360.
Stddev	.112	.20	.62	.59	297.	156.
%RSD	10.42	.5655	.9150	.5877	.4081	.6682

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20790.	943.8	415.3	32.23	5.391	3.246
Stddev	56.	2.4	3.1	.25	2.544	.909
%RSD	.2715	.2585	.7478	.7650	47.19	28.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-1.939	-5.384	132.9	109.3	4.715	-1.039
Stddev	3.981	2.598	.6	.3	1.127	.224
%RSD	205.3	48.25	.4195	.2896	23.90	21.58

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46496-d-2-a@4 Acquired: 11/2/2012 18:11:27 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1.551	24.02	4353.	2011.
Stddev	.453	.07	8.	11.
%RSD	29.20	.2771	.1888	.5397

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	1252.2	39228.	12095.
Stddev	2.4	72.	47.
%RSD	.19250	.18287	.39250

Sample Name: 460-46496-d-3-a@4 Acquired: 11/2/2012 18:15:01 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52250.	4.833	-1.262	598.6	1.428	4122.
Stddev	59.	1.675	.338	.7	.015	6.
%RSD	.1133	34.66	26.79	.1195	1.061	.1347

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.060	29.17	50.20	80.01	75150.	10550.
Stddev	.102	.37	.22	.85	244.	17.
%RSD	9.621	1.279	.4441	1.062	.3250	.1628

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18220.	726.5	579.1	26.22	14.16	-2.937
Stddev	95.	2.8	7.0	.42	.80	1.786
%RSD	.5233	.3909	1.206	1.588	5.621	60.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-5.954	-6.324	139.6	89.32	4.344	-.9377
Stddev	4.590	2.306	.4	.13	.830	.4846
%RSD	77.08	36.46	.2798	.1461	19.11	51.68

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46496-d-3-a@4 Acquired: 11/2/2012 18:15:01 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1.491	45.77	3198.	1861.
Stddev	.211	.10	3.	14.
%RSD	14.14	.2158	.1029	.7694

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	1260.4	39385.	12124.
Stddev	2.2	40.	29.
%RSD	.17497	.10120	.24240

Sample Name: 460-46496-d-4-a@4 Acquired: 11/2/2012 18:18:36 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	74210.	7.370	-1.858	1033.	2.298	5594.
Stddev	103.	2.665	.386	1.	.043	15.
%RSD	.1384	36.16	20.79	.0785	1.873	.2653

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.978	79.20	256.3	424.4	160600.	34490.
Stddev	.149	.64	.6	1.4	385.	136.
%RSD	7.530	.8100	.2243	.3226	.2396	.3954

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37030.	1927.	450.2	142.2	7.823	6.402
Stddev	109.	5.	8.3	1.0	2.044	1.929
%RSD	.2955	.2377	1.837	.7062	26.12	30.13

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-5.883	-8.220	434.0	295.3	2.963	4.500
Stddev	1.718	2.825	1.3	.4	.559	.107
%RSD	29.19	34.37	.3084	.1203	18.88	2.367

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46496-d-4-a@4 Acquired: 11/2/2012 18:18:36 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	3.869	18.17	11880.	1849.
Stddev	1.344	.09	10.	5.
%RSD	34.75	.4796	.0843	.2895

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	1341.0	42049.	13082.
Stddev	1.6	106.	77.
%RSD	.11921	.25324	.58878

Sample Name: 460-46496-d-6-a@4 Acquired: 11/2/2012 18:22:08 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	63610.	5.247	-1.066	1083.	1.364	7405.
Stddev	58.	1.090	.156	1.	.057	23.
%RSD	.0914	20.78	14.62	.1179	4.159	.3092

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.659	36.80	137.6	25.85	116300.	33740.
Stddev	.123	.41	1.4	1.60	337.	60.
%RSD	7.413	1.120	.9896	6.191	.2898	.1767

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34830.	1282.	538.3	55.68	2.122	6.502
Stddev	220.	3.	4.6	.69	1.719	2.835
%RSD	.6329	.2401	.8521	1.247	81.03	43.61

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-1.002	-4.541	220.2	296.8	3.906	-1.488
Stddev	4.279	2.884	.6	.1	.345	.404
%RSD	427.1	63.52	.2827	.0299	8.823	27.12

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46496-d-6-a@4 Acquired: 11/2/2012 18:22:08 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	4.169	46.11	9879.	2018.
Stddev	.052	.16	5.	3.
%RSD	1.258	.3386	.0503	.1550

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	1221.2	38269.	11912.
Stddev	3.5	35.	61.
%RSD	.28473	.09142	.50904

Sample Name: 460-46496-d-7-a@4 Acquired: 11/2/2012 18:25:42 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57100.	3.799	-1.425	733.3	1.555	8399.
Stddev	130.	1.876	.552	2.2	.065	17.
%RSD	.2268	49.38	38.76	.2961	4.198	.1997

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.181	32.14	91.42	67.26	100200.	24640.
Stddev	.101	.11	.26	1.43	201.	21.
%RSD	8.582	.3422	.2830	2.125	.2002	.0854

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27810.	1169.	481.1	44.49	5.905	3.319
Stddev	41.	2.	2.0	.71	2.063	1.610
%RSD	.1473	.1486	.4252	1.594	34.94	48.51

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-6.496	-4.994	188.5	210.9	5.512	1.753
Stddev	2.624	5.659	.7	.1	1.361	.332
%RSD	40.39	113.3	.3847	.0600	24.69	18.97

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46496-d-7-a@4 Acquired: 11/2/2012 18:25:42 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	2.130	60.50	7103.	1823.
Stddev	.555	.12	11.	17.
%RSD	26.07	.1908	.1559	.9217

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	1231.1	38493.	11919.
Stddev	5.2	187.	33.
%RSD	.42441	.48495	.27853

Sample Name: CCV Acquired: 11/2/2012 18:29:15 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123100.	2467.	1232.	10120.	967.7	126500.
Stddev	237.	8.	1.	10.	.8	218.
%RSD	.1926	.3254	.1161	.1021	.0799	.1724

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	1267.	2524.	4997.	12240.	100200.	50360.
Stddev	2.	2.	3.	32.	205.	166.
%RSD	.1748	.0945	.0597	.2628	.2050	.3292

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	124500.	5070.	125600.	2520.	7699.	989.6
Stddev	288.	2.	266.	8.	7.	3.1
%RSD	.2311	.0486	.2113	.3071	.0966	.3086

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2453.	2503.	2476.	2483.	987.2	2511.
Stddev	9.	20.	2.	7.	1.4	3.
%RSD	.3813	.7797	.0869	.2849	.1441	.1254

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/2/2012 18:29:15 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1004.	5016.	9868.	9883.
Stddev	1.	44.	14.	111.
%RSD	.1449	.8727	.1468	1.124

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	1132.8	35542.	11410.
Stddev	.6	55.	21.
%RSD	.05429	.15355	.18709

Sample Name: CCB Acquired: 11/2/2012 18:32:46 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30.99	-3.820	.8577	.5742	.0907	19.15
Stddev	13.35	2.349	.6630	.4683	.1041	9.90
%RSD	43.09	61.49	77.30	81.55	114.7	51.69

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0697	.0929	.5259	1.413	15.90	153.8
Stddev	.1610	.1869	.4283	.938	18.10	66.5
%RSD	230.9	201.3	81.44	66.35	113.8	43.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.828	.4292	63.90	-.2282	-1.440	2.299
Stddev	4.775	.3628	33.67	.8100	1.413	1.594
%RSD	61.00	84.54	52.69	354.9	98.17	69.32

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.751	-2.110	.3074	.4412	.8156	2.141
Stddev	1.556	2.960	.1027	.2362	.7956	.676
%RSD	88.87	140.3	33.41	53.54	97.55	31.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/2/2012 18:32:46 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	- .9782	.4616	2.671	5.864
Stddev	1.274	.4465	.266	5.210
%RSD	130.2	96.73	9.974	88.85

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	1241.4	39220.	11731.
Stddev	4.0	18.	58.
%RSD	.32502	.04549	.49151

Sample Name: 460-46526-c-3-b@4 Acquired: 11/2/2012 18:36:27 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6618.	4.700	.4168	129.8	.4160	3920.
Stddev	29.	2.128	.1839	.0	.0234	10.
%RSD	.4326	45.27	44.12	.0333	5.636	.2499

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2771	1.143	21.69	87.03	14330.	608.9
Stddev	.0430	.214	.14	.83	31.	35.7
%RSD	15.51	18.71	.6226	.9543	.2156	5.865

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	754.6	60.27	225.8	4.341	49.58	1.115
Stddev	5.8	.09	9.9	.797	.30	.424
%RSD	.7636	.1483	4.378	18.36	.5954	38.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	4.345	-6.309	24.29	54.98	10.62	3.600
Stddev	1.930	1.489	.44	.13	.40	.508
%RSD	44.43	23.60	1.810	.2404	3.731	14.12

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46526-c-3-b@4 Acquired: 11/2/2012 18:36:27 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.9032	19.66	138.0	1667.
Stddev	.9662	.06	.8	6.
%RSD	107.0	.3246	.5601	.3731

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	1243.7	39794.	12019.
Stddev	3.6	118.	36.
%RSD	.28698	.29720	.30034

Sample Name: 460-46443-a-1-c@4 Acquired: 11/2/2012 18:40:05 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31640.	22.17	-.0443	516.2	1.258	45920.
Stddev	68.	1.90	.3974	1.1	.050	131.
%RSD	.2162	8.583	897.0	.2102	3.992	.2844

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25.38	20.66	59.76	246.2	86250.	1646.
Stddev	.12	.44	.29	1.3	229.	10.
%RSD	.4626	2.106	.4772	.5128	.2650	.5855

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6968.	995.3	353.9	477.0	691.1	18.00
Stddev	42.	2.2	4.6	.7	1.7	2.73
%RSD	.6033	.2203	1.313	.1393	.2511	15.14

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-1.156	-3.623	84.53	704.1	11.29	4.235
Stddev	3.152	3.415	.17	1.0	.90	.226
%RSD	272.7	94.25	.1965	.1407	7.994	5.331

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46443-a-1-c@4 Acquired: 11/2/2012 18:40:05 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	24.86	271.2	1086.	2829.
Stddev	.51	.5	1.	41.
%RSD	2.064	.1659	.0501	1.448

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	1233.4	38918.	12049.
Stddev	3.7	199.	63.
%RSD	.30364	.51193	.52206

Sample Name: 460-46443-a-2-c@4 Acquired: 11/2/2012 18:43:38 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49530.	13.68	-4754	164.5	1.460	5190.
Stddev	74.	3.46	.4393	.3	.025	17.
%RSD	.1489	25.29	92.39	.1934	1.704	.3337

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4978	13.99	69.94	44.60	69800.	1447.
Stddev	.0519	.30	.20	1.64	171.	7.
%RSD	10.42	2.157	.2881	3.674	.2444	.4700

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5440.	325.9	101.6	61.94	47.39	2.253
Stddev	29.	.6	.5	.64	.74	2.021
%RSD	.5356	.1901	.5054	1.041	1.564	89.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-1366	-5.826	100.6	98.31	9.174	1.117
Stddev	1.689	4.210	.7	.22	.537	.568
%RSD	1237.	72.26	.6912	.2273	5.855	50.87

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46443-a-2-c@4 Acquired: 11/2/2012 18:43:38 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	3.224	45.48	1060.	2229.
Stddev	1.379	.18	1.	27.
%RSD	42.77	.4033	.1269	1.228

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	1257.6	39604.	12207.
Stddev	.9	108.	61.
%RSD	.07041	.27394	.49858

Sample Name: 460-46443-a-3-c@4 Acquired: 11/2/2012 18:47:15 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14080.	2.592	-.2118	71.53	.4417	3117.
Stddev	22.	2.412	.0837	.55	.0302	19.
%RSD	.1534	93.06	39.51	.7721	6.826	.6152

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3040	8.044	97.25	44.71	50910.	1175.
Stddev	.1843	.543	.30	.90	7.	15.
%RSD	60.62	6.756	.3087	2.014	.0146	1.253

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3831.	231.5	165.7	43.88	24.29	1.126
Stddev	16.	.6	3.3	.36	2.98	1.784
%RSD	.4203	.2496	2.015	.8225	12.27	158.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-3.983	-2.330	40.39	68.88	10.90	12.83
Stddev	1.440	4.397	.12	.20	.58	.45
%RSD	36.15	188.7	.3003	.2943	5.333	3.488

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46443-a-3-c@4 Acquired: 11/2/2012 18:47:15 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.9361	41.27	412.2	1279.
Stddev	.7744	.10	.4	9.
%RSD	82.73	.2439	.1071	.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	1236.0	39238.	12014.
Stddev	3.6	110.	22.
%RSD	.29213	.28101	.18532

Sample Name: 460-46443-a-4-c@4 Acquired: 11/2/2012 18:50:52 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9287.	136.5	.0040	282.1	.5154	6475.
Stddev	19.	4.1	.3046	.9	.0212	4.
%RSD	.2036	3.006	7600.	.3323	4.118	.0625

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4152	9.774	98.68	418.0	F 483400.	3371.
Stddev	.3251	.298	.88	3.1	1402.	16.
%RSD	78.29	3.050	.8869	.7534	.2900	.4679

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	1679.	933.1	3470.	638.4	3482.	221.8
Stddev	17.	3.1	9.	2.7	8.	2.4
%RSD	.9862	.3274	.2478	.4162	.2267	1.067

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -21.15	-16.51	97.25	432.6	23.78	38.35
Stddev	3.12	3.01	.27	1.3	1.02	.83
%RSD	14.73	18.26	.2758	.2973	4.266	2.155

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5000.					
Low Limit	-10.00					

Sample Name: 460-46443-a-4-c@4 Acquired: 11/2/2012 18:50:52 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	196.9	233.2	1307.	2030.
Stddev	1.9	.3	2.	6.
%RSD	.9643	.1448	.1457	.2783

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	1206.5	37968.	11711.
Stddev	3.0	11.	44.
%RSD	.25166	.03024	.37987

Sample Name: 460-46443-a-5-e@4 Acquired: 11/2/2012 18:54:24 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10760.	10.44	.0613	72.19	.3853	1671.
Stddev	45.	1.72	.6886	.21	.0482	6.
%RSD	.4224	16.46	1124.	.2851	12.50	.3746

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5028	6.923	300.5	24.98	86880.	1026.
Stddev	.1835	.330	.3	.75	274.	16.
%RSD	36.50	4.770	.0939	3.022	.3153	1.552

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2855.	158.4	208.2	62.08	25.14	2.008
Stddev	19.	.2	1.8	.66	2.82	3.605
%RSD	.6537	.1259	.8822	1.060	11.21	179.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-1.450	-5.718	52.35	35.40	12.40	1.348
Stddev	1.637	4.600	1.01	.03	.64	.333
%RSD	112.9	80.45	1.935	.0903	5.148	24.66

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46443-a-5-e@4 Acquired: 11/2/2012 18:54:24 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.4136	16.02	456.6	1546.
Stddev	.9110	.03	1.6	8.
%RSD	220.2	.2149	.3493	.5027

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	1237.8	38973.	11830.
Stddev	.4	119.	32.
%RSD	.03211	.30530	.26870

Sample Name: 460-46023-d-11-d@10 Acquired: 11/2/2012 18:58:00 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5973.	21.27	.5214	687.4	.5278	2819.
Stddev	22.	2.52	1.157	1.9	.0603	7.
%RSD	.3755	11.85	221.8	.2761	11.42	.2359

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.739	14.11	56.61	646.5	35040.	749.4
Stddev	.213	.31	.68	3.0	69.	32.5
%RSD	2.436	2.164	1.209	.4646	.1967	4.335

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2727.	206.9	115.3	218.6	231.2	4.177
Stddev	4.	.1	3.3	.3	1.2	1.960
%RSD	.1600	.0694	2.843	.1497	.4987	46.92

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-7.257	52.99	2159.	17.70	4.582
Stddev	6.111	5.104	.46	3.	1.09	.117
%RSD	421.0	70.33	.8759	.1558	6.181	2.556

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46023-d-11-d@10 Acquired: 11/2/2012 18:58:00 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	7.744	44.56	479.8	645.0
Stddev	.906	.13	1.4	7.1
%RSD	11.70	.2812	.2828	1.093

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	1250.3	39533.	11933.
Stddev	1.7	29.	20.
%RSD	.13283	.07300	.16808

Sample Name: sd 460-46023-d-11-d@ Acquired: 11/2/2012 19:01:33 Type: Unk
 Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1195.	1.776	.0504	135.4	.1161	549.2
Stddev	7.	1.779	.3440	.8	.0244	8.6
%RSD	.5866	100.2	682.0	.5963	21.03	1.567

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.613	2.605	10.83	127.4	6993.	172.1
Stddev	.102	.431	.54	.7	37.	15.3
%RSD	6.299	16.54	4.999	.5310	.5294	8.899

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	540.6	40.84	27.83	42.83	46.35	2.467
Stddev	1.8	.16	4.61	.93	2.74	2.334
%RSD	.3324	.3916	16.58	2.168	5.911	94.63

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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	-.2525	-.5615	10.34	428.4	3.322	.4313
Stddev	1.176	2.756	.61	.8	.533	.3739
%RSD	465.9	490.9	5.903	.1809	16.04	86.69

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: sd 460-46023-d-11-d@ Acquired: 11/2/2012 19:01:33 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.7694	8.708	94.42	130.9
Stddev	.8555	.048	.80	15.7
%RSD	111.2	.5555	.8503	11.98

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	1257.9	39629.	11816.
Stddev	2.3	72.	19.
%RSD	.18263	.18123	.16161

Sample Name: pds 460-46023-d-11-d Acquired: 11/2/2012 19:05:11 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7816.	1843.	45.53	2691.	47.21	22810.
Stddev	19.	3.	.43	5.	.12	68.
%RSD	.2400	.1478	.9512	.1940	.2553	.2971

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58.27	509.2	251.1	873.3	35800.	19620.
Stddev	.12	.7	1.4	2.8	52.	18.
%RSD	.2132	.1397	.5377	.3203	.1457	.0939

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21870.	702.0	19530.	712.2	734.1	448.8
Stddev	41.	1.2	33.	1.5	2.4	3.6
%RSD	.1863	.1643	.1714	.2046	.3329	.7949

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1813.	2066.	527.0	2646.	489.4	477.2
Stddev	5.	2.	1.3	4.	1.2	.5
%RSD	.2949	.1165	.2508	.1620	.2461	.1151

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-46023-d-11-d Acquired: 11/2/2012 19:05:11 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	498.8	506.7	952.4	751.1
Stddev	2.5	1.3	2.1	44.5
%RSD	.5079	.2589	.2160	5.922

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	1211.4	38070.	11739.
Stddev	2.7	60.	20.
%RSD	.22192	.15747	.17099

Sample Name: 460-46023-d-12-b@30 Acquired: 11/2/2012 19:08:38 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1002.	-.3187	-.2880	159.1	.3272	879.6
Stddev	7.	1.081	.5013	.3	.0250	3.1
%RSD	.6939	339.4	174.1	.1890	7.649	.3569

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0326	3.826	180.9	133.8	10580.	225.5
Stddev	.2246	.396	1.1	2.2	42.	6.9
%RSD	689.0	10.36	.6342	1.666	.3974	3.056

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	178.2	141.7	44.06	120.1	23.64	2.676
Stddev	3.6	.8	5.60	.5	1.53	4.806
%RSD	2.029	.5985	12.72	.4433	6.485	179.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	.0444	-.8969	3.931	2741.	2.567	.6708
Stddev	6.411	3.347	.255	5.	.449	.5125
%RSD	14450.	373.2	6.479	.1823	17.48	76.39

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46023-d-12-b@30 Acquired: 11/2/2012 19:08:38 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1.218	7.688	55.11	175.4
Stddev	.328	.109	1.43	9.0
%RSD	26.92	1.414	2.589	5.121

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	1254.9	39747.	11903.
Stddev	1.6	122.	45.
%RSD	.13047	.30595	.37450

Sample Name: CCV Acquired: 11/2/2012 19:12:15 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122700.	2477.	1238.	10190.	963.2	126400.
Stddev	35.	5.	3.	19.	.4	57.
%RSD	.0283	.1836	.2498	.1827	.0391	.0454

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.	2542.	5014.	12240.	100700.	50390.
Stddev	4.	6.	2.	11.	289.	138.
%RSD	.2894	.2444	.0369	.0886	.2868	.2747

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	124800.	5087.	126000.	2531.	7792.	997.4
Stddev	223.	11.	91.	5.	18.	5.1
%RSD	.1784	.2143	.0725	.1791	.2262	.5118

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2485.	2505.	2485.	2506.	989.2	2544.
Stddev	7.	3.	1.	4.	1.3	10.
%RSD	.2750	.1370	.0429	.1731	.1268	.4070

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/2/2012 19:12:15 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1018.	4911.	9874.	9903.
Stddev	1.	32.	13.	68.
%RSD	.1401	.6437	.1322	.6832

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	1122.3	35417.	11437.
Stddev	2.5	82.	28.
%RSD	.22424	.23118	.24695

Sample Name: CCB Acquired: 11/2/2012 19:15:45 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.20	-3.203	.8921	.5707	.1059	19.96
Stddev	21.14	.456	.6384	.5154	.0833	2.99
%RSD	80.69	14.25	71.56	90.31	78.66	15.00

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0099	.2022	.2218	2.893	14.39	130.2
Stddev	.0380	.5013	.5478	.205	6.31	38.9
%RSD	383.5	247.9	247.0	7.100	43.89	29.87

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	2.351	.3998	70.70	-2.090	-2.775	2.733
Stddev	11.26	.4012	27.58	.4954	.584	.574
%RSD	479.0	100.3	39.01	237.0	21.05	20.98

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-.1485	-4.157	.5251	.4414	.2075	2.283
Stddev	2.876	.979	.6170	.2016	.3936	.485
%RSD	1937.	23.54	117.5	45.67	189.7	21.26

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/2/2012 19:15:45 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.9895	.5263	2.273	13.50
Stddev	.3983	.3958	.339	19.68
%RSD	40.26	75.20	14.90	145.7

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	1248.7	39303.	11678.
Stddev	5.1	35.	23.
%RSD	.40753	.08971	.20050

Sample Name: CCV Acquired: 11/2/2012 19:19:25 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122300.	2474.	1233.	10190.	959.5	126000.
Stddev	156.	8.	2.	21.	1.2	59.
%RSD	.1279	.3153	.1805	.2088	.1208	.0468

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.	2545.	4992.	12200.	100200.	50210.
Stddev	4.	7.	4.	18.	196.	129.
%RSD	.2781	.2605	.0714	.1499	.1952	.2563

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.	5065.	125500.	2532.	7787.	995.2
Stddev	184.	4.	275.	6.	19.	2.5
%RSD	.1481	.0699	.2187	.2212	.2462	.2502

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2476.	2506.	2474.	2502.	991.1	2542.
Stddev	4.	8.	4.	6.	3.8	5.
%RSD	.1544	.3309	.1684	.2457	.3825	.2058

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/2/2012 19:19:25 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1017.	4929.	9843.	9900.
Stddev	4.	107.	5.	68.
%RSD	.4029	2.164	.0515	.6900

Check ?	Sn1899	Sr4077	Ti3349	Si2881
Value	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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	1122.0	35582.	11448.
Stddev	1.3	58.	21.
%RSD	.11658	.16245	.18213

Sample Name: CCB Acquired: 11/2/2012 19:22:55 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30.84	-1.481	.4481	.3486	.1042	13.95
Stddev	18.71	4.039	.0676	.5492	.1545	5.08
%RSD	60.66	272.8	15.08	157.5	148.3	36.42

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	-.1481	.1799	.2859	1.322	21.33	151.5
Stddev	.0893	.2370	.5764	2.221	23.66	55.5
%RSD	60.33	131.7	201.6	168.1	110.9	36.60

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.729	.3771	85.60	.2834	-2.165	-.0473
Stddev	13.67	.2843	32.76	.1908	1.217	1.323
%RSD	203.1	75.41	38.27	67.30	56.23	2797.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	3.936	-3.583	-.1555	.2910	1.007	2.291
Stddev	2.319	3.134	.2592	.1147	.440	.544
%RSD	58.92	87.47	166.7	39.41	43.67	23.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/2/2012 19:22:55 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.4336	.4873	2.807	15.30
Stddev	.1364	.4581	.292	11.98
%RSD	31.47	94.00	10.39	78.33

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	1237.7	39195.	11698.
Stddev	1.1	35.	55.
%RSD	.08765	.08892	.46819

Sample Name: CAL_BLK Acquired: 11/2/2012 11:35:21 Type: Cal
Method: SW846_103112(v8) 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	-.0017	.0003	-.0002	.0001	-.0002	.0002
Stddev	.0000	.0002	.0001	.0003	.0000	.0005
%RSD	2.352	81.66	50.25	344.1	3.166	286.7

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.0047	.0001	.0015	-.0000	-.0026
Stddev	.0005	.0005	.0000	.0003	.0000	.0007
%RSD	41.90	9.698	26.88	18.43	2836.	29.34

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	-.0038	.0007	.0003	.0002
Stddev	.0000	.0000	.0013	.0003	.0001	.0003
%RSD	78.53	55.22	34.68	40.05	25.05	154.3

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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	.0005	.0001	.0004	.0005	.0005
Stddev	.0001	.0004	.0000	.0002	.0004	.0003
%RSD	350.7	90.89	11.12	47.58	75.28	56.41

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	.0003	.0011	.0007	.0039
Stddev	.0010	.0001	.0002	.0013
%RSD	281.7	8.745	23.18	33.65

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1251.1	38772.	11606.
Stddev	4.3	81.	25.
%RSD	.34386	.20803	.21319

Sample Name: DCAL1 Acquired: 11/2/2012 11:39:05 Type: Cal
Method: SW846_103112(v8) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu3247	Fe2714	Ni2316	Zn2062
Line	324.754 {104}	271.441 {124}	231.604 {446}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0027	.0007	.0067	.0189
Stddev	.0002	.0000	.0002	.0005
%RSD	6.139	6.570	2.819	2.678

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1257.4	38967.	11728.
Stddev	2.5	177.	70.
%RSD	.19489	.45309	.59838

Sample Name: DCAL2 Acquired: 11/2/2012 11:42:48 Type: Cal
Method: SW846_103112(v8) 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	.0112	.0005	.0012	.2513	.0094	.3507
Stddev	.0003	.0001	.0001	.0011	.0001	.0007
%RSD	2.897	18.56	10.31	.4237	.6359	.1898

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.0112	.0919	.0013	.0047	.0010	.2303
Stddev	.0001	.0005	.0000	.0001	.0000	.0008
%RSD	1.253	.5066	2.540	3.184	4.339	.3314

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0497	.0098	1.064	.0257	.0011	.0019
Stddev	.0001	.0001	.002	.0003	.0004	.0005
%RSD	.1590	.9826	.1815	1.094	33.67	26.62

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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0003	.0011	.0072	.0546	.0319	.0157
Stddev	.0002	.0002	.0000	.0001	.0005	.0001
%RSD	55.74	15.66	.6883	.1517	1.605	.3658

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	.0178	.1517	.0094	.0468
Stddev	.0002	.0010	.0001	.0014
%RSD	1.162	.6781	1.557	3.079

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1244.6	38586.	11828.
Stddev	2.1	99.	64.
%RSD	.16668	.25579	.53762

Sample Name: DCAL3 Acquired: 11/2/2012 11:46:29 Type: Cal
Method: SW846_103112(v8) 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	1.453	.0614	.0333	2.477	.9488	1.728
Stddev	.004	.0002	.0001	.006	.0017	.005
%RSD	.2741	.3352	.2999	.2504	.1755	.3122

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.8068	.8681	.1021	.3350	.1224	.4646
Stddev	.0027	.0016	.0002	.0003	.0001	.0015
%RSD	.3329	.1826	.1493	.0839	.1026	.3207

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.2454	.6309	5.356	.3063	.4218	.0321
Stddev	.0001	.0010	.010	.0004	.0008	.0003
%RSD	.0488	.1523	.1874	.1462	.1889	1.008

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	.0283	.0447	.0710	.9045	.1370	.3864
Stddev	.0001	.0002	.0001	.0017	.0006	.0014
%RSD	.2940	.5127	.0939	.1844	.4325	.3682

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	.0704	7.293	.8552	.4422
Stddev	.0001	.010	.0023	.0043
%RSD	.1137	.1420	.2675	.9818

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1216.2	37612.	11748.
Stddev	2.0	52.	98.
%RSD	.16679	.13699	.83277

Sample Name: DCAL4 Acquired: 11/2/2012 11:49:57 Type: Cal
Method: SW846_103112(v8) 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	7.375	.3105	.1698	11.76	4.674	8.549
Stddev	.017	.0011	.0003	.02	.005	.007
%RSD	.2362	.3500	.2030	.1622	.1012	.0790

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	3.848	4.107	.4965	1.662	.5874	2.383
Stddev	.005	.005	.0008	.002	.0007	.007
%RSD	.1195	.1202	.1643	.1320	.1250	.2991

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	1.218	3.036	26.79	1.457	1.992	.1612
Stddev	.003	.004	.08	.002	.003	.0002
%RSD	.2321	.1303	.2968	.1388	.1545	.1168

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	.1404	.2005	.3471	4.331	.6749	1.901
Stddev	.0007	.0008	.0002	.009	.0007	.002
%RSD	.4662	.4003	.0707	.2142	.1013	.1204

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	.3384	35.90	4.232	2.205
Stddev	.0002	.46	.003	.005
%RSD	.0723	1.287	.0678	.2414

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1139.3	35147.	11433.
Stddev	2.0	37.	67.
%RSD	.17721	.10494	.58652

Sample Name: DCAL5 Acquired: 11/2/2012 11:53:30 Type: Cal
Method: SW846_103112(v8) 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	15.01	.6448	.3524	23.16	9.373	16.61
Stddev	.03	.0014	.0009	.04	.010	.02
%RSD	.1753	.2165	.2673	.1873	.1046	.0990

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	7.665	8.148	.9869	3.382	1.154	4.890
Stddev	.019	.017	.0004	.004	.000	.005
%RSD	.2472	.2057	.0404	.1272	.0329	.1083

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	2.432	5.947	53.95	2.876	3.920	.3328
Stddev	.001	.005	.66	.004	.007	.0014
%RSD	.0226	.0802	1.229	.1301	.1724	.4203

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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2904	.3922	.6953	8.566	1.358	3.803
Stddev	.0009	.0004	.0009	.023	.005	.011
%RSD	.2938	.1026	.1238	.2702	.3501	.2933

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	.6707	72.79	8.507	4.423
Stddev	.0029	.90	.004	.012
%RSD	.4323	1.231	.0413	.2640

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1072.4	33614.	11238.
Stddev	1.6	8.	25.
%RSD	.15229	.02515	.22115

Sample Name: ICV Acquired: 11/2/2012 11:57:07 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123000.	2466.	1228.	10030.	988.3	126500.
Stddev	55.	5.	3.	5.	1.3	206.
%RSD	.0443	.1889	.2650	.0449	.1352	.1628

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	1251.	2499.	4986.	12340.	99750.	49360.
Stddev	4.	4.	14.	6.	335.	37.
%RSD	.3262	.1542	.2838	.0524	.3355	.0746

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	123600.	5052.	123900.	2515.	7629.	985.5
Stddev	394.	13.	77.	2.	8.	7.2
%RSD	.3183	.2669	.0619	.0856	.1035	.7340

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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.	2535.	2477.	2475.	986.9	2496.
Stddev	9.	13.	5.	13.	3.9	2.
%RSD	.3508	.5270	.2185	.5300	.3914	.0996

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 11/2/2012 11:57:07 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	998.5	5087.	9958.	10050.
Stddev	4.0	18.	22.	63.
%RSD	.4013	.3505	.2229	.6269

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	1139.9	35445.	11554.
Stddev	3.8	223.	89.
%RSD	.33334	.62974	.77415

Sample Name: ICB Acquired: 11/2/2012 12:00:41 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.63	-3.345	.5720	.7889	.1389	7.666
Stddev	6.64	2.334	.4721	.2496	.1042	16.43
%RSD	57.14	69.77	82.53	31.64	75.02	214.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0147	.1595	.1489	.2386	14.19	135.7
Stddev	.1316	.0989	.3074	2.309	6.73	22.5
%RSD	892.6	61.97	206.4	967.6	47.47	16.61

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	7.868	.3760	80.21	.0397	-.2526	2.231
Stddev	8.232	.3408	23.03	1.069	.6974	2.889
%RSD	104.6	90.64	28.71	2695.	276.1	129.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	4.066	-.0770	.4252	.2551	2.144	2.323
Stddev	4.060	.3362	.3404	.3088	.611	.567
%RSD	99.85	436.7	80.06	121.0	28.50	24.41

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 11/2/2012 12:00:41 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.9765	.4462	1.586	-.5332
Stddev	.1050	.3844	.158	3.203
%RSD	10.75	86.15	9.946	600.8

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	1264.4	39235.	11903.
Stddev	2.2	75.	22.
%RSD	.17191	.19240	.18603

Sample Name: IC5A 1817744 Acquired: 11/2/2012 12:04:25 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	500000.	1.816	-.2420	-.3403	.0175	448300.
Stddev	1947.	4.309	.3241	.1701	.0138	5586.
%RSD	.3893	237.3	133.9	49.99	79.06	1.246

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.321	-.7024	.0109	-.1951	194800.	308.3
Stddev	.202	.2639	.1679	1.558	58.	84.1
%RSD	15.26	37.56	1534.	798.4	.0299	27.28

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	498900.	1.696	65.27	-1.825	-1.804	-12.74
Stddev	344.	.025	16.51	.359	1.952	3.35
%RSD	.0689	1.494	25.30	19.66	108.2	26.30

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

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	2.685	-2.745	-.5919	.6498	-2.751	-1.245
Stddev	10.91	4.891	.8245	.5754	1.471	.191
%RSD	406.1	178.2	139.3	88.55	53.45	15.35

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: IC5A 1817744 Acquired: 11/2/2012 12:04:25 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-3.033	-.0189	-.7683	.5108
Stddev	2.582	.0418	.8659	11.39
%RSD	85.12	221.2	112.7	2229.

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	1098.5	33538.	11406.
Stddev	.9	17.	46.
%RSD	.07842	.05155	.40347

Sample Name: ICSAB 1818548 Acquired: 11/2/2012 12:08:24 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	494500.	94.33	94.03	91.34	89.20	445100.
Stddev	5201.	3.22	1.14	.29	.24	3239.
%RSD	1.052	3.412	1.214	.3218	.2663	.7278

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	88.43	86.04	88.91	88.97	194800.	10290.
Stddev	.21	.85	.44	.72	409.	22.
%RSD	.2371	.9912	.4919	.8119	.2099	.2139

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	496500.	93.72	10280.	84.42	84.15	83.68
Stddev	1363.	.33	8.	1.55	1.03	3.90
%RSD	.2745	.3536	.0809	1.842	1.226	4.660

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	91.45	80.68	89.16	86.08	86.49	85.92
Stddev	7.15	3.89	.34	.21	1.99	.23
%RSD	7.820	4.819	.3813	.2404	2.299	.2694

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1818548 Acquired: 11/2/2012 12:08:24 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	83.04	91.94	91.35	78.33
Stddev	1.75	.23	.03	9.38
%RSD	2.106	.2519	.0350	11.98

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	1090.3	33571.	11506.
Stddev	2.7	66.	23.
%RSD	.24378	.19714	.20072

Sample Name: INT-10 1790436 Acquired: 11/2/2012 12:12:20 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.02	1.032	-1.321	-1.476	.6560	52.62
Stddev	46.49	1.918	.623	.119	.0622	37.19
%RSD	309.5	185.8	47.14	8.049	9.484	70.68

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.485	10750.	9945.	-3.075	6.552	88.57
Stddev	.091	23.	11.	1.723	15.12	30.75
%RSD	6.106	.2101	.1107	56.04	230.8	34.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-63.24	10160.	47.33	10860.	-2.892	1.373
Stddev	27.86	3.	6.08	13.	2.221	.966
%RSD	44.05	.0277	12.84	.1152	76.81	70.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	2.909	F -21.93	4890.	-1.292	-.7803	5047.
Stddev	1.403	1.76	5.	.128	.6104	15.
%RSD	48.25	8.043	.0982	9.919	78.22	.2926

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		20.00				
Low Limit		-20.00				

Sample Name: INT-10 1790436 Acquired: 11/2/2012 12:12:20 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	10490.	9875.	9379.	10090.
Stddev	22.	32.	12.	288.
%RSD	.2129	.3204	.1323	2.852

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	1243.3	39387.	12045.
Stddev	2.4	21.	28.
%RSD	.19055	.05229	.23440

Sample Name: 460-46023-d-8-e du@4 Acquired: 11/2/2012 12:16:02 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39590.	22.71	8.546	549.5	3.762	F 267300.
Stddev	93.	1.62	.471	.8	.054	1166.
%RSD	.2350	7.112	5.516	.1508	1.428	.4362

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.902	27.75	1217.	470.8	64390.	17940.
Stddev	.282	.39	.	4.1	97.	63.
%RSD	7.227	1.414	.0078	.8705	.1500	.3534

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17850.	1694.	2406.	123.2	520.8	.8766
Stddev	22.	2.	8.	1.0	1.4	2.090
%RSD	.1244	.1238	.3508	.7745	.2776	238.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	20.40	15.97	125.2	2067.	43.47	9.700
Stddev	6.74	1.40	1.0	5.	.34	.758
%RSD	33.04	8.776	.8085	.2315	.7827	7.812

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46023-d-8-e du@4 Acquired: 11/2/2012 12:16:02 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	16.36	1357.	1354.	F 27840.
Stddev	1.20	4.	3.	4012.
%RSD	7.338	.2799	.2119	14.41

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1223.8	37860.	12259.
Stddev	1.7	222.	64.
%RSD	.14268	.58625	.52571

Sample Name: 460-46023-d-8-d@4 Acquired: 11/2/2012 12:19:46 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	43540.	25.21	12.77	548.4	3.825	F 348500.
Stddev	134.	1.22	.66	1.4	.032	5270.
%RSD	.3081	4.833	5.200	.2575	.8456	1.512

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.640	26.75	1118.	454.3	67280.	19310.
Stddev	.171	.37	5.	1.6	220.	87.
%RSD	3.678	1.396	.4078	.3565	.3264	.4502

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19340.	1579.	2718.	121.7	472.5	4.397
Stddev	78.	2.	9.	.6	1.3	2.778
%RSD	.4016	.1545	.3443	.4928	.2650	63.19

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	27.83	24.25	129.5	2143.	56.22	7.670
Stddev	3.36	3.04	.3	8.	.39	.251
%RSD	12.07	12.53	.2259	.3525	.7015	3.271

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46023-d-8-d@4 Acquired: 11/2/2012 12:19:46 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	17.60	1855.	1599.	F 42130.
Stddev	1.08	3.	5.	4055.
%RSD	6.127	.1494	.2905	9.627

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1212.0	37507.	12366.
Stddev	1.2	16.	44.
%RSD	.09511	.04338	.35399

Sample Name: sd 460-46023-d-8-d@2 Acquired: 11/2/2012 12:23:29 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8669.	3.519	2.901	112.6	.7716	75650.
Stddev	22.	3.631	.799	.3	.0696	161.
%RSD	.2572	103.2	27.55	.2474	9.014	.2128

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9132	5.398	229.3	91.62	14130.	3827.
Stddev	.1230	.158	.2	1.55	42.	19.
%RSD	13.47	2.932	.0871	1.694	.2968	.5016

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4117.	329.5	554.5	25.89	100.7	3.258
Stddev	16.	.2	.4	.65	.8	1.165
%RSD	.3834	.0728	.0701	2.512	.7486	35.76

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	5.734	2.970	25.99	450.5	12.51	1.326
Stddev	5.956	2.228	.15	.7	1.17	.503
%RSD	103.9	75.02	.5656	.1649	9.320	37.90

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-46023-d-8-d@2 Acquired: 11/2/2012 12:23:29 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	3.196	370.8	323.0	8237.
Stddev	1.423	.3	1.2	646.
%RSD	44.52	.0859	.3684	7.846

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	1246.1	38594.	12061.
Stddev	1.1	121.	35.
%RSD	.08747	.31474	.29311

Sample Name: 460-46023-d-8-f ms@4 Acquired: 11/2/2012 12:27:07 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48070.	926.3	35.23	1547.	27.26	F 406300.
Stddev	68.	2.2	1.02	3.	.03	1992.
%RSD	.1405	.2380	2.884	.1758	.1149	.4904

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.89	254.8	1146.	580.2	63950.	27610.
Stddev	.14	.5	4.	4.2	259.	78.
%RSD	.5332	.1845	.3078	.7322	.4046	.2830

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32910.	2165.	12210.	349.4	665.0	212.3
Stddev	172.	5.	8.	.5	.2	2.1
%RSD	.5224	.2253	.0672	.1475	.0334	1.013

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	916.5	952.8	354.0	2120.	279.7	225.6
Stddev	2.2	2.2	.7	3.	1.5	1.4
%RSD	.2383	.2330	.2022	.1254	.5216	.6365

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46023-d-8-f ms@4 Acquired: 11/2/2012 12:27:07 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	238.0	2037.	1877.	F 51050.
Stddev	.7	2.	4.	1722.
%RSD	.2827	.1183	.1867	3.373

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1201.4	37054.	12196.
Stddev	3.7	69.	15.
%RSD	.31097	.18731	.11919

Sample Name: pds 460-46023-d-8-d@ Acquired: 11/2/2012 12:30:49 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45090.	1818.	58.00	2399.	50.22	F 361600.
Stddev	65.	4.	.34	5.	.14	2201.
%RSD	.1439	.2425	.5910	.2123	.2804	.6086

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.45	473.6	1287.	677.9	67360.	37510.
Stddev	.10	1.1	2.	4.0	48.	12.
%RSD	.2028	.2241	.1208	.5828	.0718	.0331

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36860.	2024.	21690.	570.2	914.3	436.2
Stddev	22.	3.	27.	1.2	3.0	2.1
%RSD	.0586	.1323	.1230	.2101	.3230	.4794

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1804.	1877.	583.8	2532.	510.3	447.2
Stddev	7.	7.	1.8	8.	1.3	1.8
%RSD	.3747	.3613	.3156	.3301	.2559	.3988

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-46023-d-8-d@ Acquired: 11/2/2012 12:30:49 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	463.8	2287.	2034.	F 45300.
Stddev	2.4	5.	4.	1631.
%RSD	.5079	.2350	.1918	3.599

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1203.1	37174.	12233.
Stddev	1.7	98.	57.
%RSD	.14150	.26452	.46538

Sample Name: 460-46023-d-10-b@4 Acquired: 11/2/2012 12:34:26 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30210.	10.16	-1.592	326.0	4.947	8083.
Stddev	63.	1.99	.214	.2	.023	12.
%RSD	.2081	19.60	13.47	.0563	.4566	.1511

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.127	50.98	111.7	44.50	128500.	3570.
Stddev	.049	.05	1.2	1.50	412.	16.
%RSD	4.312	.1041	1.035	3.382	.3208	.4617

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10270.	756.4	751.7	81.96	46.41	8.854
Stddev	32.	2.6	4.5	1.01	.55	2.564
%RSD	.3126	.3387	.5954	1.227	1.180	28.96

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-4.186	-4.765	99.01	169.4	17.65	1.375
Stddev	1.319	3.663	.43	.4	.33	.151
%RSD	31.50	76.88	.4319	.2498	1.897	10.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46023-d-10-b@4 Acquired: 11/2/2012 12:34:26 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	4.146	74.69	1674.	1788.
Stddev	1.192	.03	3.	151.
%RSD	28.76	.0435	.1744	8.462

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	1288.4	39983.	12521.
Stddev	.6	97.	5.
%RSD	.04460	.24223	.03707

Sample Name: lcssrm 460-134158/2- Acquired: 11/2/2012 12:38:03 Type: QC

Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23460.	798.9	199.9	1025.	534.7	33060.
Stddev	73.	4.6	1.2	1.	.6	13.
%RSD	.3116	.5765	.6054	.1457	.1167	.0390

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	504.8	670.6	576.6	564.1	53500.	11740.
Stddev	1.2	1.3	1.5	3.1	131.	39.
%RSD	.2388	.1900	.2624	.5473	.2441	.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	10660.	1665.	1503.	354.5	388.9	1050.
Stddev	7.	3.	5.	1.3	.5	2.
%RSD	.0647	.1781	.3359	.3604	.1268	.1870

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	595.8	1137.	410.0	1313.	412.0	329.8
Stddev	4.3	5.	1.5	1.	.9	1.3
%RSD	.7270	.4743	.3635	.0855	.2187	.4048

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-134158/2- Acquired: 11/2/2012 12:38:03 Type: QC
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	741.8	615.0	794.6	3093.
Stddev	2.3	.5	2.3	58.
%RSD	.3108	.0823	.2950	1.882

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	1275.1	39702.	12521.
Stddev	2.8	131.	47.
%RSD	.22309	.32942	.37150

Sample Name: CCV Acquired: 11/2/2012 12:41:35 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122900.	2456.	1227.	10010.	983.8	126000.
Stddev	213.	8.	2.	6.	1.1	153.
%RSD	.1733	.3288	.1450	.0611	.1075	.1213

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	1242.	2492.	4985.	12280.	99620.	49260.
Stddev	1.	1.	9.	20.	26.	67.
%RSD	.1059	.0556	.1829	.1634	.0264	.1350

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123800.	5043.	123500.	2510.	7590.	985.0
Stddev	56.	2.	87.	4.	12.	3.1
%RSD	.0453	.0310	.0707	.1500	.1586	.3132

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2447.	2535.	2474.	2458.	983.9	2480.
Stddev	8.	17.	2.	3.	1.8	2.
%RSD	.3201	.6559	.0615	.1401	.1854	.0641

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/2/2012 12:41:35 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	993.3	5018.	9909.	10190.
Stddev	1.9	57.	6.	220.
%RSD	.1933	1.132	.0605	2.159

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	1145.7	35572.	11595.
Stddev	1.9	41.	78.
%RSD	.16260	.11637	.67345

Sample Name: CCB Acquired: 11/2/2012 12:45:09 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.93	-.8199	.8548	.4722	.0624	14.10
Stddev	5.52	1.699	.2453	.5969	.0963	6.98
%RSD	25.17	207.3	28.70	126.4	154.3	49.50

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0588	.0021	.4265	.7398	14.21	147.4
Stddev	.0930	.4010	.5240	.0954	10.48	40.7
%RSD	158.1	19260.	122.9	12.89	73.73	27.59

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	3.556	.3288	63.14	.4028	-.8519	1.870
Stddev	7.541	.3209	26.96	.2498	1.012	1.793
%RSD	212.1	97.59	42.70	62.00	118.8	95.88

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	2.021	-5.195	-.0818	.2785	1.359	2.199
Stddev	4.303	3.327	.4224	.2867	1.209	.380
%RSD	212.9	64.05	516.3	102.9	89.00	17.28

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/2/2012 12:45:09 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.081	.3611	1.879	36.18
Stddev	.124	.3442	1.230	25.15
%RSD	11.45	95.33	65.45	69.52

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	1264.4	39376.	11917.
Stddev	2.2	98.	21.
%RSD	.17306	.25002	.17554

Sample Name: mb 460-134158/1-a@2 Acquired: 11/2/2012 12:48:54 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.75	-2.817	.5920	-.2163	.0114	10.60
Stddev	2.92	.981	.9801	.3567	.0308	4.12
%RSD	18.52	34.81	165.6	164.9	270.3	38.84

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	-.1075	.0460	-.2138	-.4498	4.114	55.81
Stddev	.1247	.2246	.6145	1.034	9.795	4.65
%RSD	116.0	487.8	287.4	229.8	238.1	8.327

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1351	.1278	21.15	-.0945	-1.402	1.270
Stddev	5.651	.0306	6.24	.4913	.579	1.578
%RSD	4183.	23.94	29.49	520.0	41.27	124.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-.1063	-4.518	-.1217	.0931	.9473	-.2393
Stddev	2.156	2.113	.3020	.1622	.6285	.6812
%RSD	2029.	46.76	248.2	174.2	66.35	284.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-134158/1-a@2 Acquired: 11/2/2012 12:48:54 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.8676	.0384	.4463	19.49
Stddev	1.159	.0108	.5860	11.71
%RSD	133.6	28.09	131.3	60.05

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	1259.6	39301.	11964.
Stddev	3.0	38.	29.
%RSD	.23482	.09600	.24005

Sample Name: 460-46023-d-9-b@4 Acquired: 11/2/2012 12:52:37 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29550.	15.52	-1.693	1646.	6.958	14670.
Stddev	61.	2.85	.307	3.	.035	22.
%RSD	.2071	18.36	18.15	.1766	.5069	.1495

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9511	88.21	121.9	79.38	150200.	5242.
Stddev	.1325	.33	.1	.63	254.	13.
%RSD	13.93	.3703	.0521	.7969	.1692	.2459

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9973.	3293.	565.0	173.3	57.42	9.165
Stddev	32.	4.	5.8	1.3	1.51	2.239
%RSD	.3256	.1333	1.024	.7753	2.630	24.43

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-1.511	-7.972	113.3	588.0	19.25	2.098
Stddev	2.831	2.406	.7	.8	1.34	.235
%RSD	187.4	30.19	.6523	.1307	6.958	11.22

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46023-d-9-b@4 Acquired: 11/2/2012 12:52:37 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	5.008	125.6	1953.	1884.
Stddev	.868	.1	2.	39.
%RSD	17.33	.1068	.1237	2.076

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	1314.4	40720.	12742.
Stddev	3.8	169.	49.
%RSD	.28922	.41459	.38487

Sample Name: 460-45921-e-3-d@4 Acquired: 11/2/2012 12:56:14 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	86970.	29.51	-6482	1517.	6.985	11790.
Stddev	79.	2.41	.6459	1.	.020	27.
%RSD	.0907	8.177	99.64	.0834	.2899	.2254

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.289	86.60	192.3	139.6	169900.	17630.
Stddev	.184	.31	1.6	.4	178.	38.
%RSD	14.29	.3624	.8276	.3095	.1046	.2176

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31540.	5646.	499.0	132.9	76.39	3.840
Stddev	78.	11.	5.5	.5	.86	1.945
%RSD	.2465	.1898	1.101	.4123	1.127	50.65

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-4.186	-8.237	240.4	297.6	11.25	1.900
Stddev	4.195	3.726	.6	.5	.43	.484
%RSD	100.2	45.24	.2488	.1533	3.837	25.50

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-45921-e-3-d@4 Acquired: 11/2/2012 12:56:14 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	6.949	169.4	2170.	1637.
Stddev	1.333	.1	5.	22.
%RSD	19.18	.0640	.2256	1.372

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	1393.0	43052.	13652.
Stddev	3.8	114.	63.
%RSD	.27608	.26440	.46379

Sample Name: 460-46376-a-9-a@4 Acquired: 11/2/2012 12:59:50 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24180.	.7812	.1830	141.1	.8748	1325.
Stddev	44.	4.950	.3867	.6	.0478	5.
%RSD	.1830	633.7	211.3	.4483	5.463	.3902

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4893	13.46	31.84	27.56	41360.	1303.
Stddev	.0361	.21	.80	1.90	74.	34.
%RSD	7.376	1.553	2.519	6.876	.1799	2.632

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4887.	1755.	126.7	28.87	18.71	1.323
Stddev	26.	3.	3.7	1.19	2.04	3.017
%RSD	.5294	.1928	2.914	4.128	10.90	228.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	2.143	-7.428	47.05	72.86	6.622	-.1791
Stddev	3.837	.701	.22	.35	.468	.1116
%RSD	179.1	9.433	.4665	.4761	7.071	62.35

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46376-a-9-a@4 Acquired: 11/2/2012 12:59:50 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1.714	9.742	603.0	1547.
Stddev	.543	.063	1.4	34.
%RSD	31.70	.6438	.2317	2.169

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	1276.3	39723.	12252.
Stddev	2.3	214.	137.
%RSD	.17669	.53934	1.1162

Sample Name: 460-46376-e-10-h@4 Acquired: 11/2/2012 13:03:30 Type: Unk

Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30520.	4.736	.2019	126.4	1.484	1882.
Stddev	28.	1.135	.6302	.4	.071	10.
%RSD	.0922	23.96	312.2	.3302	4.794	.5292

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6826	23.44	49.45	71.52	70330.	3700.
Stddev	.1970	.15	.51	.34	167.	19.
%RSD	28.87	.6581	1.026	.4774	.2379	.5199

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11930.	586.5	459.8	56.52	50.63	2.341
Stddev	55.	1.3	5.5	.81	1.01	.547
%RSD	.4622	.2166	1.195	1.434	1.985	23.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-.8578	-3.813	79.40	118.5	20.21	1.117
Stddev	1.382	3.477	.61	.2	.45	.195
%RSD	161.1	91.17	.7683	.1295	2.225	17.47

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46376-e-10-h@4 Acquired: 11/2/2012 13:03:30 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1.855	18.61	779.4	1422.
Stddev	.682	.02	1.4	23.
%RSD	36.76	.1126	.1831	1.613

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	1279.2	39759.	12329.
Stddev	3.1	25.	51.
%RSD	.24334	.06200	.41262

Sample Name: 460-46376-a-6-a@4 Acquired: 11/2/2012 13:07:10 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31800.	17.13	-6029	178.8	1.415	7315.
Stddev	44.	.76	.2971	.5	.019	6.
%RSD	.1392	4.458	49.28	.2922	1.336	.0761

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3286	24.27	50.87	57.73	67310.	1476.
Stddev	.0115	.19	.15	1.19	45.	23.
%RSD	3.508	.7767	.2900	2.064	.0669	1.571

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7139.	1194.	186.3	33.46	136.1	-.0866
Stddev	15.	.	2.1	.61	1.7	3.337
%RSD	.2117	.0354	1.124	1.814	1.272	3853.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	.8900	-2.779	87.17	167.6	10.48	.8668
Stddev	2.027	2.246	.56	.7	.98	.5070
%RSD	227.7	80.83	.6472	.3994	9.341	58.49

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46376-a-6-a@4 Acquired: 11/2/2012 13:07:10 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	2.548	47.47	965.9	1852.
Stddev	.939	.15	2.1	22.
%RSD	36.86	.3128	.2219	1.180

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	1282.8	39618.	12252.
Stddev	3.8	134.	41.
%RSD	.29513	.33890	.33470

Sample Name: 460-46435-a-1-e@4 Acquired: 11/2/2012 13:10:48 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	68380.	8.878	-1.1475	60.67	1.390	1745.
Stddev	94.	1.717	.2105	.11	.022	10.
%RSD	.1375	19.34	142.8	.1854	1.560	.5448

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.7882	4.572	15.10	61.20	190100.	96.37
Stddev	.2275	.143	.44	.42	572.	24.14
%RSD	28.87	3.126	2.900	.6880	.3007	25.05

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	67.99	1658.	53.07	13.25	1.580	3.541
Stddev	7.37	4.	2.56	.13	2.262	1.260
%RSD	10.84	.2677	4.824	.9607	143.1	35.58

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-7.875	-12.76	13.91	72.14	4.023	.2510
Stddev	5.613	5.51	.34	.72	.405	.4915
%RSD	71.28	43.16	2.421	.9943	10.06	195.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46435-a-1-e@4 Acquired: 11/2/2012 13:10:48 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1.794	11.88	17.51	3915.
Stddev	.420	.13	.78	52.
%RSD	23.40	1.068	4.476	1.325

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	1256.5	39231.	12264.
Stddev	2.3	83.	37.
%RSD	.17958	.21258	.30002

Sample Name: 460-46338-b-2-a@4 Acquired: 11/2/2012 13:14:28 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7236.	10.57	.2595	224.5	.3350	5068.
Stddev	25.	2.21	.2124	.6	.0511	21.
%RSD	.3429	20.95	81.84	.2846	15.26	.4049

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.884	7.408	79.14	287.6	60220.	545.4
Stddev	.152	.247	.56	1.2	70.	25.6
%RSD	2.209	3.330	.7072	.4049	.1170	4.694

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1504.	401.2	99.92	28.90	1192.	12.38
Stddev	7.	.2	6.65	.41	3.	.78
%RSD	.4496	.0536	6.651	1.422	.2160	6.307

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.464	-7.302	42.26	1043.	7.764	10.26
Stddev	4.500	4.011	.24	1.	.360	.11
%RSD	307.5	54.92	.5639	.0617	4.639	1.091

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46338-b-2-a@4 Acquired: 11/2/2012 13:14:28 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	29.24	33.98	217.3	1160.
Stddev	1.15	.06	.3	22.
%RSD	3.944	.1704	.1549	1.894

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	1260.9	39519.	12261.
Stddev	1.6	80.	58.
%RSD	.12652	.20209	.47209

Sample Name: 460-46338-a-5-h@4 Acquired: 11/2/2012 13:18:05 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8031.	5.355	.3209	106.1	.2315	1447.
Stddev	17.	1.293	.6920	.2	.0426	5.
%RSD	.2122	24.15	215.7	.1661	18.42	.3643

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.622	1.732	32.70	104.6	24490.	367.1
Stddev	.092	.323	.46	.8	54.	8.0
%RSD	5.685	18.67	1.406	.7831	.2198	2.175

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	448.3	162.8	28.20	9.334	236.8	2.551
Stddev	2.9	.4	6.23	.970	1.7	.776
%RSD	.6519	.2248	22.10	10.39	.7161	30.42

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	.2674	-5.383	28.18	458.4	3.896	4.564
Stddev	5.719	2.418	.23	.3	.517	.465
%RSD	2139.	44.92	.8039	.0588	13.28	10.18

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46338-a-5-h@4 Acquired: 11/2/2012 13:18:05 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	5.905	9.222	197.2	1098.
Stddev	.547	.029	.8	16.
%RSD	9.263	.3198	.3869	1.413

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	1265.8	39436.	12059.
Stddev	5.4	313.	85.
%RSD	.42788	.79267	.70602

Sample Name: 460-46380-a-5-d@4 Acquired: 11/2/2012 13:21:46 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	512.3	3.933	.0181	83.89	.0845	5701.
Stddev	2.9	2.135	.3434	.47	.0635	22.
%RSD	.5727	54.28	1892.	.5644	75.08	.3822

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0312	1.877	9.352	50.27	40700.	77.87
Stddev	.0789	.149	.677	1.13	178.	22.74
%RSD	252.7	7.945	7.235	2.247	.4369	29.20

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1153.	483.5	693.8	3.604	8.516	88.04
Stddev	9.	.8	6.1	.319	1.286	1.12
%RSD	.7950	.1688	.8837	8.849	15.11	1.276

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-4.867	-5.199	4.851	140.8	4.970	.6616
Stddev	1.787	.942	.267	.2	.560	.1878
%RSD	36.71	18.11	5.498	.1140	11.27	28.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46380-a-5-d@4 Acquired: 11/2/2012 13:21:46 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	6.812	38.31	19.43	866.0
Stddev	.826	.12	.61	29.4
%RSD	12.12	.3154	3.129	3.401

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	1263.6	39483.	12024.
Stddev	2.1	142.	28.
%RSD	.16709	.35895	.23677

Sample Name: CCV Acquired: 11/2/2012 13:25:28 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123000.	2467.	1234.	10070.	983.4	126000.
Stddev	197.	8.	1.	11.	1.2	109.
%RSD	.1603	.3092	.1170	.1067	.1202	.0862

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	1252.	2510.	5008.	12300.	99770.	49380.
Stddev	3.	2.	10.	23.	122.	165.
%RSD	.2102	.0928	.1935	.1846	.1222	.3347

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	124100.	5062.	124000.	2523.	7636.	996.9
Stddev	244.	4.	348.	3.	12.	.5
%RSD	.1969	.0860	.2803	.1061	.1615	.0480

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2468.	2539.	2488.	2472.	989.2	2495.
Stddev	12.	8.	4.	1.	3.4	5.
%RSD	.5006	.3127	.1670	.0446	.3402	.2174

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/2/2012 13:25:28 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1003.	4971.	9932.	10270.
Stddev	1.	40.	9.	147.
%RSD	.0793	.8095	.0925	1.433

Check ?	Sn1899	Sr4077	Ti3349	Si2881
Value	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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	1141.5	35587.	11715.
Stddev	2.9	92.	40.
%RSD	.25094	.25850	.34157

Sample Name: CCB Acquired: 11/2/2012 13:29:01 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20.87	-1.622	.1347	.5864	.0945	11.82
Stddev	7.11	1.454	.5847	.5107	.0621	10.33
%RSD	34.05	89.61	434.1	87.08	65.69	87.47

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	-.0442	-.0356	.0499	1.772	14.66	107.1
Stddev	.1843	.1199	.5367	1.731	4.49	32.9
%RSD	416.6	336.9	1076.	97.67	30.60	30.74

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.489	.3240	65.83	-.0913	-2.684	-1.241
Stddev	11.11	.2681	34.33	.6803	.570	1.071
%RSD	247.6	82.73	52.14	744.8	21.24	86.29

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	6.706	-1.225	.1367	.2597	.9925	1.722
Stddev	3.175	.634	.4376	.1830	.7281	.414
%RSD	47.35	51.78	320.2	70.45	73.36	24.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/2/2012 13:29:01 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.153	.4337	2.180	21.46
Stddev	.910	.3476	.768	11.64
%RSD	78.92	80.15	35.23	54.26

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	1257.0	39098.	11905.
Stddev	2.4	10.	30.
%RSD	.19391	.02621	.25145

Sample Name: 460-46380-a-6-d@4 Acquired: 11/2/2012 13:32:45 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	71.92	-.3586	-.1486	12.97	-.0099	1731.
Stddev	7.35	.8631	1.093	.08	.0131	15.
%RSD	10.22	240.7	735.5	.6161	133.1	.8387

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0386	.2149	1.725	.7731	8462.	134.6
Stddev	.0250	.2059	.294	2.002	24.	9.1
%RSD	64.67	95.80	17.05	259.0	.2802	6.748

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	292.6	96.80	1112.	.7586	-.0403	1.253
Stddev	6.3	.20	5.	.0806	1.749	1.408
%RSD	2.157	.2091	.4447	10.62	4341.	112.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.689	-6.060	1.546	46.86	4.447	.5201
Stddev	1.056	.927	.402	.07	.512	.1821
%RSD	62.50	15.30	25.97	.1451	11.51	35.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46380-a-6-d@4 Acquired: 11/2/2012 13:32:45 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	4.413	7.383	7.799	349.0
Stddev	.887	.083	.436	17.6
%RSD	20.10	1.129	5.588	5.040

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	1263.5	39723.	12092.
Stddev	2.9	168.	42.
%RSD	.23119	.42275	.34515

Sample Name: 460-46440-a-2-d@4 Acquired: 11/2/2012 13:36:27 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	55670.	12.96	-.6009	505.3	3.436	15280.
Stddev	147.	2.21	.2771	.4	.043	15.
%RSD	.2642	17.08	46.12	.0756	1.260	.1009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.008	52.26	132.2	99.75	104000.	17350.
Stddev	.159	.56	1.3	3.04	294.	56.
%RSD	15.80	1.075	.9710	3.047	.2826	.3221

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31090.	2318.	413.6	97.73	32.40	2.937
Stddev	141.	6.	2.6	.44	.76	.595
%RSD	.4541	.2424	.6221	.4491	2.340	20.27

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-1.233	-6.277	166.2	261.6	4.119	-.2896
Stddev	3.447	2.513	.7	1.4	.550	.2639
%RSD	279.5	40.04	.3964	.5263	13.37	91.13

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46440-a-2-d@4 Acquired: 11/2/2012 13:36:27 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	3.357	50.34	4342.	2239.
Stddev	.566	.13	10.	24.
%RSD	16.85	.2615	.2243	1.062

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	1275.4	39522.	12405.
Stddev	1.1	70.	78.
%RSD	.08670	.17726	.63024

Sample Name: 460-46440-a-1-d@4 Acquired: 11/2/2012 13:40:04 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4135.	-1.164	.2561	29.45	.1953	398.7
Stddev	5.	2.966	.5869	.15	.0503	3.4
%RSD	.1123	254.7	229.1	.5004	25.76	.8494

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3074	2.867	14.52	5.796	6823.	625.9
Stddev	.1082	.161	.19	.497	3.	27.8
%RSD	35.18	5.623	1.326	8.572	.0478	4.445

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	859.0	97.68	99.75	7.060	3.127	-.3883
Stddev	4.6	.47	7.70	.267	2.633	3.108
%RSD	.5298	.4781	7.722	3.787	84.18	800.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-2.329	-3.198	11.43	30.88	3.693	-.4614
Stddev	5.500	1.649	.17	.16	.269	.2786
%RSD	236.1	51.56	1.466	.5192	7.291	60.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46440-a-1-d@4 Acquired: 11/2/2012 13:40:04 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.3227	4.819	238.6	1056.
Stddev	.7411	.019	1.0	20.
%RSD	229.6	.3876	.4089	1.852

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	1265.5	39529.	12094.
Stddev	.6	93.	68.
%RSD	.04521	.23440	.56231

Sample Name: 460-45638-f-7-d@4 Acquired: 11/2/2012 13:43:45 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10210.	21.21	-.5369	23.21	1.554	2173.
Stddev	7.	2.10	.0903	.05	.043	8.
%RSD	.0699	9.901	16.82	.2027	2.743	.3669

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3337	14.76	102.9	9.658	41800.	2441.
Stddev	.0867	.27	.8	1.362	90.	20.
%RSD	25.99	1.807	.7328	14.10	.2161	.8133

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1023.	465.2	54.70	9.844	6.855	1.222
Stddev	5.	.6	7.51	.514	.483	2.605
%RSD	.4541	.1308	13.73	5.221	7.043	213.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	2.713	-3.923	73.79	69.14	16.01	2.109
Stddev	6.186	1.426	.16	.22	.89	.533
%RSD	228.1	36.36	.2103	.3165	5.587	25.26

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-45638-f-7-d@4 Acquired: 11/2/2012 13:43:45 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.2761	12.41	164.2	1693.
Stddev	.4653	.08	.8	9.
%RSD	168.5	.6521	.4914	.5066

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	1272.2	39616.	12146.
Stddev	2.6	169.	33.
%RSD	.20128	.42542	.27266

Sample Name: 460-46023-d-8-e du@1 Acquired: 11/2/2012 13:47:26 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15580.	7.131	2.883	220.8	1.507	110000.
Stddev	26.	2.206	.299	.4	.051	229.
%RSD	.1659	30.94	10.38	.2000	3.396	.2082

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.635	10.96	485.3	188.0	26080.	7083.
Stddev	.156	.30	3.1	1.3	45.	24.
%RSD	9.527	2.763	.6296	.6860	.1719	.3378

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7295.	683.0	959.5	49.72	216.5	4.171
Stddev	37.	1.3	1.8	.77	2.1	2.379
%RSD	.5110	.1832	.1871	1.544	.9760	57.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	4.663	4.684	48.83	841.4	16.99	1.224
Stddev	3.262	1.358	.38	1.6	.62	.228
%RSD	69.96	28.98	.7765	.1867	3.659	18.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46023-d-8-e du@1 Acquired: 11/2/2012 13:47:26 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	5.249	538.6	535.4	12090.
Stddev	.826	.4	1.7	1107.
%RSD	15.74	.0734	.3123	9.153

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	1235.5	38276.	12076.
Stddev	1.0	25.	82.
%RSD	.08494	.06563	.67959

Sample Name: 460-46023-d-8-d@10 Acquired: 11/2/2012 13:51:02 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17070.	7.960	5.292	220.6	1.439	147000.
Stddev	23.	4.462	.275	.2	.045	76.
%RSD	.1349	56.05	5.204	.1132	3.159	.0515

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.828	10.68	447.7	178.9	27390.	7603.
Stddev	.152	.36	.7	2.1	70.	9.
%RSD	8.335	3.401	.1465	1.153	.2556	.1160

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7950.	639.8	1062.	49.61	196.7	4.087
Stddev	17.	.6	9.	1.15	1.2	1.916
%RSD	.2148	.0949	.8017	2.308	.5954	46.88

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	11.59	11.41	51.86	872.8	22.53	2.231
Stddev	3.52	2.44	.53	1.5	.61	.529
%RSD	30.38	21.37	1.016	.1730	2.705	23.69

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46023-d-8-d@10 Acquired: 11/2/2012 13:51:02 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	6.939	735.0	633.1	17450.
Stddev	.426	1.0	.6	588.
%RSD	6.136	.1320	.0938	3.367

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	1226.2	37949.	12149.
Stddev	1.1	75.	19.
%RSD	.08678	.19820	.15639

Sample Name: sd 460-46023-d-8-d@5 Acquired: 11/2/2012 13:54:38 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3434.	-.2759	1.534	44.29	.2871	29710.
Stddev	6.	2.822	.162	.27	.0290	52.
%RSD	.1811	1023.	10.58	.6146	10.10	.1764

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2419	2.225	90.55	35.01	5555.	1528.
Stddev	.0935	.080	.25	2.83	16.	16.
%RSD	38.67	3.574	.2722	8.072	.2868	1.053

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1638.	129.7	232.8	10.06	39.59	2.138
Stddev	3.	.2	2.0	.57	1.17	2.477
%RSD	.1745	.1188	.8532	5.629	2.968	115.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	2.633	-1.483	10.49	176.5	4.923	.4136
Stddev	.806	4.430	.30	.4	.420	.4665
%RSD	30.61	298.7	2.857	.2033	8.531	112.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-46023-d-8-d@5 Acquired: 11/2/2012 13:54:38 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.0510	147.0	125.6	3404.
Stddev	.6127	.4	.6	49.
%RSD	1202.	.2581	.4549	1.441

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	1258.3	38992.	12028.
Stddev	.3	28.	39.
%RSD	.02732	.07164	.32520

Sample Name: 460-46023-d-8-f ms@1 Acquired: 11/2/2012 13:58:18 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18940.	359.5	14.02	626.8	10.72	174500.
Stddev	9.	4.5	.50	1.3	.04	292.
%RSD	.0471	1.263	3.543	.2134	.3331	.1674

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.67	104.1	464.5	231.4	26140.	10880.
Stddev	.06	.3	.8	1.9	39.	49.
%RSD	.6073	.2643	.1787	.8177	.1488	.4495

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13530.	882.1	4799.	143.5	275.5	83.52
Stddev	8.	.3	12.	.7	1.9	2.03
%RSD	.0574	.0382	.2444	.4953	.7069	2.435

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	353.3	403.8	141.4	873.2	111.3	89.42
Stddev	.6	5.6	.8	1.3	.7	.52
%RSD	.1731	1.379	.5303	.1503	.6275	.5862

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46023-d-8-f ms@1 Acquired: 11/2/2012 13:58:18 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	98.33	814.9	750.5	F 20080.
Stddev	1.07	.9	3.2	246.
%RSD	1.087	.1131	.4303	1.224

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1224.4	37852.	12045.
Stddev	2.4	117.	66.
%RSD	.19984	.30853	.54784

Sample Name: pds 460-46023-d-8-d@ Acquired: 11/2/2012 14:01:53 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19180.	1834.	50.38	2155.	48.74	167200.
Stddev	21.	3.	.16	2.	.09	269.
%RSD	.1090	.1763	.3174	.0834	.1947	.1607

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.58	480.3	643.7	411.0	28390.	26350.
Stddev	.43	.1	1.1	2.6	102.	30.
%RSD	.8825	.0280	.1731	.6328	.3594	.1134

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26390.	1123.	20250.	524.6	672.6	444.4
Stddev	101.	1.	38.	.8	.7	4.2
%RSD	.3808	.0695	.1886	.1432	.1048	.9395

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1812.	2000.	519.6	1338.	492.1	455.5
Stddev	6.	5.	1.1	3.	1.2	.1
%RSD	.3387	.2627	.2056	.2368	.2428	.0238

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-46023-d-8-d@ Acquired: 11/2/2012 14:01:53 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	476.6	1212.	1108.	18500.
Stddev	2.1	3.	2.	217.
%RSD	.4398	.2131	.1463	1.172

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	1210.7	37619.	12091.
Stddev	.6	102.	30.
%RSD	.05183	.27091	.24604

Sample Name: lcs 460-134204/2-a Acquired: 11/2/2012 14:05:23 Type: QC

Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1972.	1901.	47.91	2036.	48.57	20330.
Stddev	12.	6.	.82	4.	.19	73.
%RSD	.5919	.3295	1.716	.2036	.3811	.3572

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	50.39	501.8	201.4	237.5	1028.	19160.
Stddev	.26	.9	.4	2.2	22.	49.
%RSD	.5124	.1857	.2073	.9192	2.107	.2579

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	20100.	509.4	19580.	513.4	521.0	460.5
Stddev	119.	1.9	64.	1.2	3.0	3.5
%RSD	.5929	.3824	.3285	.2386	.5692	.7594

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	1931.	2234.	482.6	498.2	508.1	469.0
Stddev	12.	5.	.5	1.0	.1	1.8
%RSD	.6314	.2369	.1073	.2000	.0161	.3754

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-134204/2-a Acquired: 11/2/2012 14:05:23 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	499.0	477.0	478.1	152.6
Stddev	3.1	.4	.8	63.0
%RSD	.6188	.0905	.1693	41.27

Check ?	Chk Pass	Chk Pass	Chk Pass	None
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	1252.4	38747.	12203.
Stddev	7.3	194.	74.
%RSD	.58419	.50064	.60296

Sample Name: CCV Acquired: 11/2/2012 14:08:56 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122700.	2457.	1227.	9999.	978.1	125600.
Stddev	152.	6.	1.	8.	.7	134.
%RSD	.1241	.2526	.1098	.0763	.0761	.1066

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1237.	2486.	4964.	12240.	98680.	49430.
Stddev	2.	1.	9.	5.	71.	143.
%RSD	.1414	.0266	.1849	.0410	.0718	.2898

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.	5009.	123800.	2511.	7553.	983.8
Stddev	245.	3.	278.	8.	13.	2.8
%RSD	.1996	.0641	.2247	.3005	.1689	.2843

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2448.	2534.	2467.	2443.	984.5	2471.
Stddev	3.	6.	2.	4.	1.2	1.
%RSD	.1152	.2213	.0854	.1598	.1192	.0449

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/2/2012 14:08:56 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	990.9	5084.	9872.	10170.
Stddev	5.8	43.	3.	144.
%RSD	.5877	.8517	.0293	1.413

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	1139.6	35514.	11595.
Stddev	3.2	53.	38.
%RSD	.27766	.14970	.33017

Sample Name: CCB Acquired: 11/2/2012 14:12:29 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.10	-3.463	.5080	.1452	.0835	19.29
Stddev	11.39	1.161	.3219	.4223	.0394	10.35
%RSD	62.90	33.53	63.37	290.8	47.20	53.63

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0773	.0887	.1986	1.865	12.13	123.8
Stddev	.2449	.1878	.5997	.174	12.83	46.6
%RSD	316.8	211.7	301.9	9.332	105.8	37.59

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	4.397	.4100	52.61	-.6525	-.0910	2.415
Stddev	8.467	.3129	21.49	.0566	.2303	.404
%RSD	192.6	76.32	40.85	8.673	252.9	16.72

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-.0084	-3.405	-.3876	.4514	1.206	2.072
Stddev	1.359	3.964	.6169	.0999	.361	.080
%RSD	16200.	116.4	159.1	22.13	29.97	3.859

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/2/2012 14:12:29 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-9187	.3358	1.754	41.68
Stddev	.1797	.3337	.465	39.71
%RSD	19.56	99.39	26.52	95.28

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	1263.9	39424.	11940.
Stddev	1.1	97.	73.
%RSD	.08825	.24635	.60743

Sample Name: mb 460-134200/1-c Acquired: 11/2/2012 14:16:13 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44.14	-2.001	.6980	.1275	-.0127	41.08
Stddev	2.46	1.192	.0582	.0696	.0725	.44
%RSD	5.575	59.58	8.335	54.57	569.9	1.073

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0992	-.0699	.7140	.9878	14.11	117.4
Stddev	.1597	.1297	.3154	1.169	4.07	10.6
%RSD	161.1	185.7	44.18	118.3	28.84	8.993

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6150	.1157	26.18	.0927	-.9245	3.866
Stddev	.9654	.0155	1.20	.6266	1.715	.560
%RSD	157.0	13.42	4.588	675.6	185.5	14.49

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-1.963	-3.280	.0085	5.072	2.726	-.2450
Stddev	.797	.931	.0330	.154	.215	.1819
%RSD	40.57	28.38	389.2	3.035	7.868	74.27

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-134200/1-c Acquired: 11/2/2012 14:16:13 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.670	.2617	-.7997	31.18
Stddev	.319	.0789	.4770	7.88
%RSD	19.10	30.17	59.65	25.27

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	1305.8	40549.	12415.
Stddev	7.0	298.	66.
%RSD	.53289	.73436	.53101

Sample Name: 460-46458-h-1-b du Acquired: 11/2/2012 14:19:56 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	206.7	7.960	.2614	42.52	.3307	6966.
Stddev	4.2	4.429	.6993	.37	.0318	25.
%RSD	2.055	55.64	267.6	.8656	9.628	.3549

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1652	-.3392	1.259	21.48	12740.	3662.
Stddev	.1228	.1702	.149	.96	39.	28.
%RSD	74.37	50.19	11.83	4.458	.3045	.7738

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3090.	56.51	1866.	20.84	1.278	2.258
Stddev	8.	.15	12.	.02	.538	1.759
%RSD	.2649	.2684	.6533	.1160	42.08	77.91

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-1.449	-3.977	2.331	91.91	40.49	-.5989
Stddev	2.512	4.529	.189	.26	.87	.0099
%RSD	173.4	113.9	8.097	.2865	2.147	1.658

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46458-h-1-b du Acquired: 11/2/2012 14:19:56 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.9277	29.52	.4914	6144.
Stddev	.8646	.02	.3826	25.
%RSD	93.20	.0805	77.85	.4110

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	1284.4	39915.	12312.
Stddev	5.0	245.	108.
%RSD	.38751	.61440	.87810

Sample Name: 460-46458-h-1-a Acquired: 11/2/2012 14:23:36 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	206.3	9.801	.0647	41.98	.3426	6904.
Stddev	4.6	2.265	.5268	.27	.0431	15.
%RSD	2.216	23.11	814.5	.6444	12.57	.2243

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1513	-.2902	1.341	20.71	12610.	3639.
Stddev	.0842	.4870	.291	.42	34.	5.
%RSD	55.62	167.8	21.71	2.007	.2677	.1284

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3060.	55.88	1851.	20.87	.8178	.8582
Stddev	12.	.48	1.	.60	.1820	.7397
%RSD	.3884	.8556	.0464	2.855	22.26	86.19

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.649	-3.402	2.000	90.85	40.46	-.5170
Stddev	2.441	2.837	.540	.60	.51	.3499
%RSD	148.0	83.39	27.03	.6555	1.270	67.67

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46458-h-1-a Acquired: 11/2/2012 14:23:36 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	- .8047	29.35	- .4373	6147.
Stddev	1.054	.07	1.011	37.
%RSD	130.9	.2542	231.1	.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	1283.6	39934.	12461.
Stddev	6.2	383.	95.
%RSD	.48387	.95902	.75876

Sample Name: sd 460-46458-h-1-a@5 Acquired: 11/2/2012 14:27:16 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.03	-.1479	.3545	8.012	.0448	1373.
Stddev	8.97	2.607	.2476	.141	.0275	5.
%RSD	16.92	1763.	69.84	1.754	61.26	.3966

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0530	-.1013	.0818	3.622	2485.	767.7
Stddev	.1271	.1701	.4912	1.551	20.	30.8
%RSD	240.0	167.9	600.8	42.82	.7977	4.014

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	588.6	10.94	387.8	3.419	-.3410	4.141
Stddev	7.8	.11	9.2	.399	1.662	1.772
%RSD	1.318	.9643	2.363	11.67	487.4	42.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.982	-1.453	.5236	17.88	8.177	-.3245
Stddev	2.861	.515	.2159	.29	.617	.2388
%RSD	144.3	35.44	41.24	1.618	7.542	73.58

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-46458-h-1-a@5 Acquired: 11/2/2012 14:27:16 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-2.002	5.740	-.5723	1211.
Stddev	.732	.087	.2683	16.
%RSD	36.59	1.525	46.89	1.362

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	1272.4	39694.	12130.
Stddev	7.3	94.	83.
%RSD	.57579	.23592	.68627

Sample Name: 460-46458-h-1-c.ms Acquired: 11/2/2012 14:30:59 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2155.	1948.	48.25	2108.	50.02	27500.
Stddev	18.	9.	.38	2.	.15	83.
%RSD	.8367	.4537	.7878	.1012	.3060	.3031

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 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	507.8	202.6	262.3	13200.	22960.
Stddev	.12	1.5	1.2	2.8	70.	27.
%RSD	.2309	.3045	.5682	1.078	.5286	.1183

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23240.	568.4	21720.	534.6	523.6	479.5
Stddev	32.	.9	53.	2.1	2.0	3.8
%RSD	.1378	.1667	.2423	.3919	.3808	.7925

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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.	2250.	491.9	586.2	554.5	473.2
Stddev	8.	1.	1.2	2.4	.2	2.3
%RSD	.4000	.0411	.2523	.4150	.0358	.4944

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46458-h-1-c.ms Acquired: 11/2/2012 14:30:59 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	505.3	517.5	484.7	6300.
Stddev	3.1	.7	1.9	28.
%RSD	.6140	.1290	.3902	.4499

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	1245.6	38624.	12233.
Stddev	4.3	242.	110.
%RSD	.34203	.62627	.90317

Sample Name: pds 460-46458-h-1-a Acquired: 11/2/2012 14:34:29 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2060.	1853.	45.85	2007.	47.36	26500.
Stddev	17.	11.	.52	3.	.05	53.
%RSD	.8027	.5703	1.131	.1407	.1160	.2003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.77	482.8	192.5	251.1	13200.	21990.
Stddev	.05	1.2	.6	.6	11.	39.
%RSD	.1046	.2542	.2909	.2435	.0859	.1767

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22250.	544.4	20740.	510.6	496.6	452.0
Stddev	22.	.4	32.	1.6	1.6	2.0
%RSD	.1009	.0749	.1552	.3069	.3227	.4367

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1860.	2132.	468.4	562.3	527.1	450.6
Stddev	16.	10.	1.2	1.4	1.0	1.3
%RSD	.8597	.4595	.2578	.2481	.1810	.2839

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-46458-h-1-a Acquired: 11/2/2012 14:34:29 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	483.3	494.0	462.0	6292.
Stddev	1.5	1.0	2.2	49.
%RSD	.3201	.1994	.4656	.7841

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	1242.4	38469.	12204.
Stddev	7.7	231.	34.
%RSD	.62254	.59983	.27820

Sample Name: 460-46458-h-2-a Acquired: 11/2/2012 14:38:00 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	461.5	2.874	-.2444	27.77	1.152	10450.
Stddev	11.2	.667	.4360	.17	.061	8.
%RSD	2.428	23.22	178.4	.6266	5.275	.0748

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1405	.9730	.3100	-1.403	35560.	6401.
Stddev	.1528	.1714	.5246	1.239	67.	10.
%RSD	108.8	17.61	169.2	88.28	.1875	.1607

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5578.	166.0	3807.	5.209	-1.599	2.744
Stddev	6.	.4	7.	.636	1.572	.711
%RSD	.1043	.2251	.1944	12.21	98.32	25.93

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	.7598	-5.129	.8920	33.59	18.66	.1637
Stddev	2.604	3.748	.2907	.33	.06	.3051
%RSD	342.7	73.08	32.59	.9918	.3196	186.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46458-h-2-a Acquired: 11/2/2012 14:38:00 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.1718	75.20	-1.511	7082.
Stddev	.5262	.13	.368	21.
%RSD	306.4	.1705	24.36	.3029

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	1264.0	39363.	12309.
Stddev	5.6	182.	63.
%RSD	.44582	.46239	.50890

Sample Name: 460-46458-f-3-b Acquired: 11/2/2012 14:41:40 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1011.	88.44	-.0625	63.83	.7691	12660.
Stddev	4.	1.61	.1338	.26	.0391	53.
%RSD	.4338	1.820	214.1	.4056	5.086	.4150

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0118	13.51	.1045	1.166	29410.	5696.
Stddev	.0211	.24	.5181	.739	151.	42.
%RSD	178.4	1.798	495.8	63.41	.5140	.7294

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4648.	111.0	5379.	44.07	-.6921	2.911
Stddev	18.	.2	11.	.52	.2966	1.500
%RSD	.3978	.2250	.2120	1.184	42.85	51.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-4.415	-3.804	.0948	97.02	68.39	-.6771
Stddev	4.125	2.462	.6714	.63	.68	.1816
%RSD	93.44	64.71	708.2	.6454	1.001	26.82

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46458-f-3-b Acquired: 11/2/2012 14:41:40 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.8446	73.16	-2.023	15100.
Stddev	1.196	.15	.201	61.
%RSD	141.6	.2101	9.938	.4022

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	1272.3	39433.	12372.
Stddev	9.0	343.	163.
%RSD	.70651	.86949	1.3169

Sample Name: 460-46264-h-3-b Acquired: 11/2/2012 14:45:19 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	284.3	34.48	.2133	5.629	-.0125	12470.
Stddev	1.4	2.44	.4111	.205	.0398	11.
%RSD	.5074	7.075	192.8	3.648	319.1	.0858

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0002	2.834	2.495	14.40	82.70	50660.
Stddev	.1832	.168	.188	1.99	3.24	90.
%RSD	121000.	5.938	7.545	13.80	3.918	.1769

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3487.	7.880	F 272700.	6.931	-1.455	.1002
Stddev	13.	.141	428.	.555	.960	.5937
%RSD	.3705	1.785	.1569	8.001	65.99	592.8

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	.3389	-1.377	16.72	1.410	140.7	8.577
Stddev	4.375	1.148	.08	.149	.5	.375
%RSD	1291.	83.37	.4695	10.59	.3780	4.368

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46264-h-3-b Acquired: 11/2/2012 14:45:19 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	- .9913	72.69	.4421	4732.
Stddev	1.588	.06	.4827	35.
%RSD	160.2	.0817	109.2	.7312

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	1180.1	36218.	12122.
Stddev	3.5	76.	45.
%RSD	.29576	.21106	.37467

Sample Name: 460-46264-h-9-b Acquired: 11/2/2012 14:49:09 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.57	-5.133	.7885	-.1878	.0275	36.30
Stddev	3.32	1.663	.3112	.3041	.0259	3.15
%RSD	26.41	32.40	39.47	161.9	94.09	8.690

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1445	-.1808	.8491	3.934	19.27	138.5
Stddev	.1002	.2798	.3481	1.803	5.41	39.0
%RSD	69.38	154.8	41.00	45.82	28.08	28.16

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.288	-.0217	140.6	-.3563	-1.951	-2.010
Stddev	3.979	.0715	43.8	.3899	.374	1.854
%RSD	121.0	330.2	31.16	109.4	19.19	92.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-1.530	-2.592	-.2144	3.540	.7982	-.2047
Stddev	3.147	4.115	.1010	.188	1.005	.2757
%RSD	205.7	158.7	47.12	5.296	125.9	134.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46264-h-9-b Acquired: 11/2/2012 14:49:09 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.8327	-.0642	-.3419	56.45
Stddev	.5275	.0636	.5555	11.60
%RSD	63.35	99.09	162.5	20.55

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	1271.7	39965.	12291.
Stddev	3.2	9.	10.
%RSD	.25000	.02187	.08271

Sample Name: CCV Acquired: 11/2/2012 14:52:54 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122300.	2452.	1224.	10000.	974.4	125400.
Stddev	271.	5.	2.	19.	.9	213.
%RSD	.2217	.2138	.1297	.1853	.0971	.1696

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	1242.	2490.	4955.	12240.	98780.	49460.
Stddev	3.	6.	6.	28.	224.	136.
%RSD	.2575	.2578	.1256	.2277	.2269	.2754

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.	5010.	123900.	2507.	7574.	984.0
Stddev	296.	8.	285.	8.	26.	4.8
%RSD	.2415	.1513	.2296	.3013	.3445	.4915

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2449.	2526.	2460.	2448.	983.6	2477.
Stddev	6.	3.	4.	6.	4.3	12.
%RSD	.2624	.1189	.1597	.2541	.4337	.4724

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/2/2012 14:52:54 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	994.1	5021.	9856.	10150.
Stddev	4.1	84.	7.	74.
%RSD	.4088	1.669	.0700	.7311

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	1135.7	35492.	11619.
Stddev	4.8	156.	49.
%RSD	.42192	.43927	.42146

Sample Name: CCB Acquired: 11/2/2012 14:56:28 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.51	-3.024	.2237	.2458	.1235	15.01
Stddev	4.34	4.035	.3770	.2150	.0227	6.44
%RSD	18.47	133.4	168.5	87.44	18.36	42.91

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	-.1120	.1126	.1729	-.6691	10.66	150.9
Stddev	.0790	.1545	.2898	2.250	7.99	39.8
%RSD	70.55	137.1	167.7	336.3	74.94	26.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.415	.3097	69.36	-.0840	.1123	1.111
Stddev	7.217	.2152	25.40	.1784	1.018	1.290
%RSD	510.2	69.49	36.62	212.3	906.4	116.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-3.161	-2.014	-.4536	.2238	1.378	1.895
Stddev	3.545	1.310	.6126	.1341	.409	.069
%RSD	112.2	65.06	135.1	59.94	29.65	3.648

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/2/2012 14:56:28 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.487	.2898	2.399	22.80
Stddev	.435	.2976	1.289	15.68
%RSD	29.24	102.7	53.73	68.75

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	1262.9	39345.	11852.
Stddev	2.3	8.	67.
%RSD	.18516	.01929	.56343

Sample Name: 460-46537-j-1-b Acquired: 11/2/2012 15:00:12 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.94	-.4699	.1792	11.20	.0569	16610.
Stddev	7.88	1.477	.1917	.22	.0690	15.
%RSD	16.10	314.4	107.0	1.993	121.2	.0875

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2437	6.446	3.730	-.9344	24880.	1855.
Stddev	.1354	.202	.262	1.337	26.	17.
%RSD	55.57	3.139	7.026	143.1	.1059	.9098

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4718.	90.45	14220.	14.91	-.0570	-1.896
Stddev	29.	.29	20.	.34	.5550	2.611
%RSD	.6073	.3254	.1425	2.262	973.1	137.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.850	-1.262	.5432	13.80	18.77	-.5970
Stddev	4.649	4.323	.5387	.11	.61	.3997
%RSD	251.3	342.5	99.17	.8264	3.227	66.96

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46537-j-1-b Acquired: 11/2/2012 15:00:12 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.5710	73.09	-.0255	14180.
Stddev	1.134	.10	.2707	41.
%RSD	198.5	.1330	1062.	.2896

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	1247.9	39017.	12199.
Stddev	1.8	87.	32.
%RSD	.14584	.22274	.26604

Sample Name: 460-46537-j-5-b Acquired: 11/2/2012 15:03:52 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	139.3	-4.178	.9315	34.22	1.203	15570.
Stddev	3.4	.963	.2024	.33	.014	23.
%RSD	2.420	23.05	21.73	.9717	1.159	.1503

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.516	42.49	3.618	2.940	809.8	2271.
Stddev	.052	.50	.284	1.276	15.3	8.
%RSD	.9457	1.181	7.860	43.41	1.893	.3575

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12920.	553.1	58820.	128.4	-1.424	-.2930
Stddev	29.	.5	20.	.6	2.562	.8305
%RSD	.2247	.0984	.0342	.4930	180.0	283.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-1.083	-2.331	-.0715	280.6	31.82	-.2981
Stddev	4.710	3.150	.3279	.4	.81	.4513
%RSD	434.9	135.1	458.7	.1474	2.559	151.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46537-j-5-b Acquired: 11/2/2012 15:03:52 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	- .8160	93.51	1.707	9673.
Stddev	.8201	.22	.455	18.
%RSD	100.5	.2356	26.66	.1869

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	1227.0	38266.	12099.
Stddev	.8	99.	77.
%RSD	.06377	.25968	.63645

Sample Name: 460-46537-k-9-b Acquired: 11/2/2012 15:07:32 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27.74	-2.618	.0926	-.3180	.0281	17.12
Stddev	3.68	1.353	.0986	.1981	.0222	5.55
%RSD	13.27	51.68	106.5	62.31	78.93	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	-.2444	-.1249	.6937	.8734	21.73	95.20
Stddev	.0470	.5156	.2923	1.952	.71	46.95
%RSD	19.22	412.9	42.13	223.5	3.272	49.32

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.489	.1379	62.80	-.1157	-2.099	.3985
Stddev	1.696	.0337	17.38	.6733	2.240	1.973
%RSD	37.78	24.46	27.67	581.7	106.7	495.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.021	-.5409	-.0050	1.105	1.075	-.3328
Stddev	1.813	.8798	.1864	.211	.563	.4391
%RSD	177.5	162.7	3698.	19.13	52.40	132.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46537-k-9-b Acquired: 11/2/2012 15:07:32 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.407	-.0935	.2301	37.86
Stddev	.181	.0630	.8205	11.31
%RSD	12.85	67.37	356.6	29.87

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	1284.8	40262.	12186.
Stddev	1.1	78.	42.
%RSD	.08710	.19327	.34378

Sample Name: 460-46540-c-3-b du Acquired: 11/2/2012 15:11:15 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33.05	-.5212	.4052	15.88	.0181	10160.
Stddev	.86	2.413	.5860	.09	.0110	45.
%RSD	2.606	462.9	144.6	.5645	61.13	.4463

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1983	-.0873	.0410	1.149	1090.	3728.
Stddev	.1523	.0414	.0658	1.777	16.	63.
%RSD	76.81	47.40	160.6	154.6	1.443	1.689

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3820.	31.36	83910.	-.6671	-.5001	-.8590
Stddev	12.	.08	362.	.3310	.7905	2.172
%RSD	.3250	.2396	.4310	49.61	158.1	252.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	.0030	-2.836	-.3360	1.493	31.61	.0898
Stddev	1.735	2.610	.3361	.239	.47	.1530
%RSD	57620.	92.04	100.0	16.00	1.495	170.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46540-c-3-b du Acquired: 11/2/2012 15:11:15 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.7250	102.1	-.1802	2737.
Stddev	1.020	.4	.5670	42.
%RSD	140.7	.4071	314.6	1.520

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	1216.9	37745.	11983.
Stddev	2.9	118.	33.
%RSD	.24102	.31317	.27395

Sample Name: 460-46540-c-3-a Acquired: 11/2/2012 15:14:57 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	39.77	-2.098	.0816	16.12	-.0266	10340.
Stddev	2.41	1.094	.4583	.25	.0759	27.
%RSD	6.054	52.14	561.7	1.573	284.9	.2634

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1896	-.1337	.3498	2.085	1124.	3796.
Stddev	.0567	.2101	.5903	1.609	3.	31.
%RSD	29.90	157.1	168.7	77.19	.2326	.8180

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3870.	32.00	85370.	.1731	-.5714	-1.699
Stddev	11.	.16	277.	.5381	.9480	2.365
%RSD	.2967	.4924	.3238	310.9	165.9	139.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-1.141	-2.768	-.0035	2.008	32.43	-.1956
Stddev	3.154	2.618	.2741	.115	.32	.1613
%RSD	276.4	94.60	7755.	5.732	.9735	82.47

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46540-c-3-a Acquired: 11/2/2012 15:14:57 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.233	103.7	.1250	2823.
Stddev	1.036	.1	.3886	21.
%RSD	84.00	.1340	311.0	.7320

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	1208.8	37666.	12011.
Stddev	.6	65.	27.
%RSD	.04917	.17352	.22489

Sample Name: sd 460-46540-c-3-a@5 Acquired: 11/2/2012 15:18:38 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.70	-2.466	.5271	2.925	-.0038	2029.
Stddev	5.98	1.182	.4997	.179	.0344	5.
%RSD	33.79	47.92	94.80	6.118	904.3	.2328

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1435	-.0156	-.3490	.3759	225.2	769.3
Stddev	.1524	.1749	.1796	2.253	15.3	45.1
%RSD	106.2	1120.	51.47	599.4	6.783	5.861

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	760.2	6.250	16790.	-.4673	-2.285	.3800
Stddev	8.5	.110	63.	.4274	1.971	1.823
%RSD	1.114	1.762	.3736	91.47	86.25	479.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-.3750	-.8953	-.0794	.5073	6.848	-.4915
Stddev	2.526	4.271	.2825	.1584	.176	.3738
%RSD	673.7	477.1	355.8	31.22	2.578	76.06

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-46540-c-3-a@5 Acquired: 11/2/2012 15:18:38 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.406	20.28	.3750	532.9
Stddev	.288	.11	.2070	15.9
%RSD	20.50	.5176	55.20	2.982

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	1247.8	38914.	11994.
Stddev	2.0	23.	52.
%RSD	.15822	.05908	.43272

Sample Name: 460-46540-c-3-c ms Acquired: 11/2/2012 15:22:21 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2078.	2026.	49.56	2170.	52.04	32130.
Stddev	13.	6.	.63	1.	.05	38.
%RSD	.6088	.2784	1.267	.0285	.0879	.1182

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.05	527.1	213.0	254.7	2176.	24220.
Stddev	.45	.1	1.1	2.7	3.	92.
%RSD	.8569	.0196	.5190	1.048	.1415	.3787

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24220.	568.7	106500.	533.6	528.7	494.4
Stddev	44.	.7	154.	1.3	.4	1.3
%RSD	.1796	.1209	.1448	.2386	.0761	.2658

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1988.	2217.	517.1	519.5	545.5	503.7
Stddev	6.	4.	1.2	.6	1.5	1.0
%RSD	.2812	.1935	.2339	.1153	.2799	.1904

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46540-c-3-c.ms Acquired: 11/2/2012 15:22:21 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	523.4	617.1	511.9	2982.
Stddev	1.4	.5	1.5	76.
%RSD	.2735	.0740	.2931	2.534

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	1193.9	37113.	11910.
Stddev	1.3	33.	23.
%RSD	.11269	.08969	.18992

Sample Name: pds 460-46540-c-3-a Acquired: 11/2/2012 15:25:52 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1913.	1872.	45.05	1997.	47.65	30130.
Stddev	7.	4.	.19	4.	.06	70.
%RSD	.3609	.2277	.4322	.2037	.1336	.2324

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.26	485.8	193.3	235.7	2067.	22550.
Stddev	.17	.8	.6	2.1	7.	135.
%RSD	.3596	.1641	.3057	.8778	.3259	.5971

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22490.	524.7	103000.	491.7	488.6	455.1
Stddev	32.	.8	349.	1.7	3.8	2.4
%RSD	.1419	.1505	.3389	.3359	.7748	.5261

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1841.	2038.	474.6	485.9	504.3	464.9
Stddev	6.	8.	.9	.9	1.5	.5
%RSD	.3395	.3808	.1850	.1900	.2986	.1044

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-46540-c-3-a Acquired: 11/2/2012 15:25:52 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	480.6	572.7	469.6	2984.
Stddev	2.3	1.3	.4	96.
%RSD	.4768	.2213	.0813	3.211

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	1193.2	37224.	11961.
Stddev	1.8	44.	46.
%RSD	.14951	.11768	.38482

Sample Name: 460-46388-g-1-b Acquired: 11/2/2012 15:29:25 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40.91	-2.837	6.010	411.2	-.1395	50670.
Stddev	6.87	1.948	.332	.6	.0707	178.
%RSD	16.79	68.66	5.531	.1447	50.73	.3504

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0661	90.47	.4567	-.0551	4.542	3536.
Stddev	.1559	.18	.0666	2.604	4.449	45.
%RSD	235.8	.1998	14.58	4725.	97.96	1.261

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22410.	F 25650.	99380.	2.303	1.001	2.750
Stddev	38.	48.	348.	.463	1.345	2.558
%RSD	.1681	.1866	.3497	20.11	134.4	93.03

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

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	20.19	20.55	.4084	5.526	135.9	2.821
Stddev	4.27	3.21	.3021	.102	1.3	.635
%RSD	21.13	15.60	73.97	1.839	.9394	22.51

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46388-g-1-b Acquired: 11/2/2012 15:29:25 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.1686	557.6	1.441	6473.
Stddev	.6734	2.1	.449	16.
%RSD	399.5	.3827	31.14	.2478

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	1193.0	36995.	11925.
Stddev	.9	16.	16.
%RSD	.07150	.04216	.13482

Sample Name: lcs 460-134211/2-a Acquired: 11/2/2012 15:33:13 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1964.	1878.	46.80	2061.	49.20	20580.
Stddev	9.	4.	.86	3.	.13	40.
%RSD	.4792	.2120	1.843	.1511	.2729	.1943

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	50.01	504.8	201.1	242.3	1024.	19290.
Stddev	.15	.2	1.0	1.4	11.	68.
%RSD	.2922	.0457	.4797	.5770	1.059	.3526

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	19670.	514.8	19930.	511.5	518.5	464.8
Stddev	72.	.5	71.	1.5	1.9	2.1
%RSD	.3674	.0957	.3552	.2938	.3588	.4571

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	1864.	2198.	489.1	491.5	493.2	479.4
Stddev	9.	5.	1.5	.9	1.5	1.9
%RSD	.4645	.2194	.3122	.1904	.3103	.3914

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-134211/2-a Acquired: 11/2/2012 15:33:13 Type: QC
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	500.5	486.8	483.8	192.5
Stddev	1.7	1.5	.9	72.8
%RSD	.3345	.3104	.1922	37.80

Check ?	Chk Pass	Chk Pass	Chk Pass	None
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	1229.4	38269.	11938.
Stddev	2.7	90.	110.
%RSD	.21941	.23400	.92064

Sample Name: CCV Acquired: 11/2/2012 15:36:48 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122700.	2445.	1224.	10000.	973.4	125600.
Stddev	341.	12.	4.	30.	.5	380.
%RSD	.2776	.4871	.2875	.2961	.0520	.3021

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1237.	2488.	4967.	12230.	98740.	49620.
Stddev	2.	6.	13.	36.	133.	251.
%RSD	.1962	.2405	.2530	.2902	.1347	.5052

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122900.	5011.	124400.	2505.	7557.	990.6
Stddev	240.	6.	586.	10.	24.	2.3
%RSD	.1950	.1193	.4711	.4011	.3229	.2372

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2446.	2522.	2466.	2440.	983.4	2468.
Stddev	11.	19.	2.	6.	2.5	6.
%RSD	.4458	.7677	.0853	.2599	.2507	.2545

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/2/2012 15:36:48 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	992.7	5023.	9843.	10080.
Stddev	5.5	45.	10.	120.
%RSD	.5572	.9021	.0991	1.191

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	1141.1	35602.	11620.
Stddev	3.6	25.	27.
%RSD	.31248	.07102	.23053

Sample Name: CCB Acquired: 11/2/2012 15:40:21 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.52	-3.414	.3879	.2849	.0894	8.701
Stddev	11.88	1.749	.9929	.6879	.0634	11.29
%RSD	50.52	51.23	255.9	241.4	70.94	129.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1460	-.1315	.1944	1.526	18.86	130.2
Stddev	.1845	.2755	.1300	.843	9.09	35.3
%RSD	126.4	209.4	66.89	55.23	48.22	27.14

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.415	.6858	81.02	.0679	-1.117	3.226
Stddev	8.983	.5104	29.38	.3378	2.689	.991
%RSD	635.1	74.42	36.26	497.6	240.8	30.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.562	-3.019	.1257	.3347	1.629	2.357
Stddev	2.157	2.269	.2667	.2408	1.224	.382
%RSD	138.1	75.16	212.1	71.95	75.11	16.20

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/2/2012 15:40:21 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.021	.3459	2.066	19.12
Stddev	.310	.3885	.946	14.41
%RSD	30.36	112.3	45.78	75.37

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	1260.6	39441.	11916.
Stddev	.9	123.	70.
%RSD	.07133	.31225	.58632

Sample Name: mb 460-134200/1-b Acquired: 11/2/2012 15:44:05 Type: QC

Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35.39	-4.311	.2075	.0707	.0226	10.18
Stddev	2.92	1.208	.2384	.1739	.0263	2.12
%RSD	8.264	28.02	114.9	245.9	116.1	20.80

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2266	-.1885	5.302	.4093	39.00	88.58
Stddev	.1743	.3483	.144	.3784	5.33	7.45
%RSD	76.92	184.8	2.720	92.45	13.68	8.406

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5953	.2766	40.53	-.2439	.4518	5.613
Stddev	2.236	.0476	3.39	.2328	1.820	3.511
%RSD	375.6	17.20	8.368	95.47	402.8	62.56

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-.6453	-1.806	.1303	.4516	5.992	-.4370
Stddev	3.819	1.599	.0690	.1511	.611	.0740
%RSD	591.8	88.54	53.00	33.46	10.20	16.94

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-134200/1-b Acquired: 11/2/2012 15:44:05 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.225	.0422	.4287	85.43
Stddev	.354	.0530	.3984	7.97
%RSD	28.88	125.7	92.92	9.332

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	1280.1	40099.	12138.
Stddev	2.4	37.	19.
%RSD	.18793	.09289	.15253

Sample Name: 460-46388-e-2-e Acquired: 11/2/2012 15:47:48 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.58	-4.089	6.635	226.7	-.1123	23450.
Stddev	10.54	1.489	.594	.7	.0193	28.
%RSD	99.64	36.41	8.950	.3098	17.14	.1186

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1303	124.2	-.2470	-.7015	2390.	2500.
Stddev	.0947	.2	.1464	.8392	12.	13.
%RSD	72.64	.1812	59.26	119.6	.4981	.5269

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15980.	F 25840.	42350.	-.7504	1.394	2.176
Stddev	26.	47.	42.	.1685	.320	2.805
%RSD	.1612	.1838	.0990	22.45	22.96	128.9

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

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	15.98	20.60	.1963	.7640	5.028	1.035
Stddev	2.65	3.79	.4339	.2781	.540	.547
%RSD	16.56	18.42	221.0	36.40	10.74	52.83

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46388-e-2-e Acquired: 11/2/2012 15:47:48 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.077	240.9	.2812	3211.
Stddev	.666	.1	.8346	19.
%RSD	61.90	.0398	296.8	.5787

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	1225.8	38144.	12015.
Stddev	1.6	33.	47.
%RSD	.12913	.08670	.38725

Sample Name: 460-46388-e-3-e Acquired: 11/2/2012 15:51:36 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22.34	-3.935	1.013	256.4	.1270	18450.
Stddev	2.57	1.733	.323	1.1	.0212	22.
%RSD	11.51	44.03	31.85	.4427	16.71	.1208

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0464	21.40	7.756	1.173	1197.	2079.
Stddev	.1110	.40	.224	1.592	7.	7.
%RSD	239.0	1.870	2.893	135.8	.6046	.3270

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6592.	2079.	21250.	6.014	.6803	-.7781
Stddev	18.	3.	33.	.576	1.198	1.071
%RSD	.2776	.1612	.1537	9.575	176.1	137.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	6.482	-2.792	-.0671	9.360	12.03	-.6471
Stddev	2.012	1.041	.2190	.129	.40	.1988
%RSD	31.04	37.30	326.3	1.382	3.301	30.72

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46388-e-3-e Acquired: 11/2/2012 15:51:36 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.4896	174.1	.4529	6964.
Stddev	.4926	.4	.6059	30.
%RSD	100.6	.2390	133.8	.4278

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	1238.8	38736.	12115.
Stddev	1.2	101.	52.
%RSD	.09842	.26021	.42543

Sample Name: 460-46540-d-1-b du Acquired: 11/2/2012 15:55:16 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	91.65	-2.142	.2028	8.603	-.0131	11710.
Stddev	4.20	3.024	.4256	.114	.0378	47.
%RSD	4.581	141.2	209.8	1.322	288.7	.4008

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0964	-.0611	6.350	1.585	407.6	2598.
Stddev	.1993	.3887	.494	2.708	7.4	36.
%RSD	206.8	636.1	7.780	170.9	1.809	1.373

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7272.	106.5	103600.	1.160	1.455	.7193
Stddev	20.	.3	206.	.414	2.200	1.765
%RSD	.2802	.2402	.1985	35.74	151.2	245.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	4.498	-.1992	-.1009	1.404	29.03	-.0509
Stddev	6.148	3.932	.1627	.121	.48	.7282
%RSD	136.7	1974.	161.2	8.625	1.651	1431.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46540-d-1-b du Acquired: 11/2/2012 15:55:16 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.0980	86.64	-.2158	3610.
Stddev	1.053	.14	.4808	29.
%RSD	1074.	.1605	222.8	.8001

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	1208.4	37467.	11902.
Stddev	1.5	92.	55.
%RSD	.12403	.24618	.45887

Sample Name: 460-46540-d-1-a Acquired: 11/2/2012 15:58:57 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	89.73	-1.228	.7693	8.663	-.0144	12300.
Stddev	4.63	3.081	.4644	.183	.0310	12.
%RSD	5.158	250.9	60.36	2.109	215.0	.0992

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1686	-.0324	4.029	.7155	412.4	2729.
Stddev	.0283	.2185	.737	1.288	2.9	31.
%RSD	16.81	674.8	18.29	180.0	.7133	1.125

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7592.	111.1	108900.	1.409	-1.409	1.720
Stddev	39.	.0	170.	.498	.732	2.198
%RSD	.5178	.0290	.1559	35.34	51.96	127.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-.1547	-6.276	-.2049	1.055	30.09	.3729
Stddev	2.075	3.275	.3906	.108	1.04	.4038
%RSD	1341.	52.19	190.7	10.20	3.461	108.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46540-d-1-a Acquired: 11/2/2012 15:58:57 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.4772	91.18	-.4774	3768.
Stddev	.4469	.32	.5689	10.
%RSD	93.64	.3489	119.2	.2605

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	1201.2	37257.	11797.
Stddev	.6	51.	70.
%RSD	.05046	.13709	.59220

Sample Name: sd 460-46540-d-1-a Acquired: 11/2/2012 16:02:37 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33.28	-1.972	.0502	1.616	-.0059	2441.
Stddev	14.21	2.321	.3250	.173	.0477	14.
%RSD	42.70	117.7	647.9	10.70	805.3	.5702

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2918	-.0729	1.186	.2263	84.76	585.4
Stddev	.2176	.0409	.431	1.281	7.65	25.6
%RSD	74.57	56.17	36.33	566.1	9.028	4.375

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1523.	21.93	21790.	.3451	-1.588	3.813
Stddev	8.	.04	57.	.7783	2.754	.513
%RSD	.5126	.1648	.2632	225.5	173.4	13.46

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	4.491	-2.828	-.1146	.3963	5.824	-.1481
Stddev	2.814	.921	.7676	.1947	1.140	.7414
%RSD	62.66	32.58	669.8	49.12	19.58	500.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-46540-d-1-a Acquired: 11/2/2012 16:02:37 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.249	18.17	.5224	719.1
Stddev	.246	.06	.4378	9.1
%RSD	19.67	.3373	83.79	1.259

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	1248.0	38721.	11854.
Stddev	1.2	78.	58.
%RSD	.09346	.20211	.48528

Sample Name: 460-46540-d-1-c.ms Acquired: 11/2/2012 16:06:20 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2062.	1986.	48.44	2111.	50.26	32500.
Stddev	4.	9.	.63	5.	.24	122.
%RSD	.1733	.4680	1.309	.2182	.4720	.3751

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.48	515.9	206.3	249.5	1388.	22480.
Stddev	.16	1.5	.5	3.1	11.	120.
%RSD	.3041	.2906	.2272	1.230	.8250	.5315

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27040.	626.6	121100.	522.0	516.9	482.1
Stddev	41.	.2	478.	1.2	4.1	3.0
%RSD	.1506	.0391	.3945	.2323	.7940	.6213

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1953.	2149.	505.6	509.8	529.2	494.3
Stddev	6.	1.	1.0	1.1	1.6	1.7
%RSD	.3267	.0547	.1891	.2139	.3080	.3492

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46540-d-1-c.ms Acquired: 11/2/2012 16:06:20 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	511.1	580.9	498.5	3704.
Stddev	2.1	2.5	2.8	65.
%RSD	.4098	.4266	.5712	1.750

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	1180.6	36725.	11816.
Stddev	2.4	79.	38.
%RSD	.20616	.21639	.32146

Sample Name: pds 460-46540-d-1-a Acquired: 11/2/2012 16:09:52 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1970.	1877.	45.58	2002.	47.98	32250.
Stddev	16.	1.	.45	5.	.02	49.
%RSD	.7904	.0739	.9923	.2576	.0388	.1506

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.52	487.9	199.0	236.4	1401.	21780.
Stddev	.02	.9	.5	2.0	9.	44.
%RSD	.0481	.1810	.2558	.8431	.6164	.2030

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26410.	605.1	126600.	495.3	489.4	459.5
Stddev	43.	.9	203.	.6	1.4	1.9
%RSD	.1635	.1466	.1603	.1126	.2817	.4068

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1840.	2038.	479.8	482.6	502.7	467.1
Stddev	7.	4.	.5	.7	1.8	.6
%RSD	.4071	.1796	.1030	.1388	.3556	.1222

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-46540-d-1-a Acquired: 11/2/2012 16:09:52 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	484.3	562.1	474.6	3941.
Stddev	.4	1.0	1.2	75.
%RSD	.0826	.1825	.2626	1.898

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	1184.8	36768.	11737.
Stddev	1.2	101.	60.
%RSD	.10207	.27351	.50847

Sample Name: 460-46540-d-2-a Acquired: 11/2/2012 16:13:24 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37.86	.1108	.0860	8.279	.0153	9140.
Stddev	7.95	.8136	.8223	.223	.0691	11.
%RSD	20.99	734.2	956.6	2.693	451.2	.1197

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0177	-.2617	.8856	1.754	489.4	2772.
Stddev	.1035	.1500	.2425	.482	11.2	29.
%RSD	585.9	57.33	27.38	27.49	2.280	1.030

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5657.	103.9	90010.	1.434	.9497	1.467
Stddev	30.	.2	95.	1.139	2.443	3.416
%RSD	.5238	.1546	.1051	79.42	257.3	232.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.804	-3.996	.0216	3.679	35.45	.7152
Stddev	.969	3.587	.4581	.064	.32	.3930
%RSD	53.75	89.76	2123.	1.738	.9097	54.96

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46540-d-2-a Acquired: 11/2/2012 16:13:24 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.008	72.69	-.1687	3171.
Stddev	.161	.03	.5116	8.
%RSD	16.01	.0443	303.2	.2373

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	1210.3	37388.	11844.
Stddev	1.2	72.	51.
%RSD	.10258	.19351	.43201

Sample Name: lcs 460-134212/2-a Acquired: 11/2/2012 16:17:05 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2024.	1942.	48.09	2126.	50.27	21100.
Stddev	1.	7.	.56	6.	.19	28.
%RSD	.0540	.3568	1.160	.2938	.3726	.1337

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	51.79	521.5	214.9	247.3	1098.	19880.
Stddev	.24	1.2	1.1	1.7	10.	81.
%RSD	.4722	.2275	.4888	.6751	.9515	.4088

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	20190.	525.7	20480.	527.5	534.0	477.8
Stddev	22.	.6	40.	1.7	1.8	4.6
%RSD	.1087	.1183	.1955	.3131	.3296	.9663

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	1925.	2254.	501.1	507.3	503.3	495.4
Stddev	9.	7.	1.0	1.9	1.8	2.3
%RSD	.4837	.3079	.1920	.3683	.3565	.4576

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-134212/2-a Acquired: 11/2/2012 16:17:05 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	517.1	499.3	499.2	137.3
Stddev	1.6	.3	.8	72.1
%RSD	.3161	.0671	.1585	52.54

Check ?	Chk Pass	Chk Pass	Chk Pass	None
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	1210.0	37909.	11896.
Stddev	4.3	42.	46.
%RSD	.35640	.11058	.38353

Sample Name: CCV Acquired: 11/2/2012 16:20:39 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123900.	2476.	1235.	10120.	981.9	127000.
Stddev	877.	7.	7.	21.	6.9	902.
%RSD	.7075	.2970	.5440	.2064	.6979	.7103

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	1256.	2522.	4999.	12350.	99710.	50140.
Stddev	2.	6.	21.	84.	539.	397.
%RSD	.1879	.2240	.4117	.6773	.5406	.7911

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.	5055.	125700.	2536.	7668.	1005.
Stddev	616.	23.	1029.	8.	20.	10.
%RSD	.4977	.4631	.8186	.3040	.2579	.9838

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2469.	2540.	2485.	2476.	995.6	2505.
Stddev	12.	8.	12.	8.	1.3	4.
%RSD	.4747	.2972	.4641	.3245	.1315	.1782

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/2/2012 16:20:39 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1006.	5083.	9952.	10130.
Stddev	3.	39.	56.	79.
%RSD	.3287	.7660	.5597	.7841

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	1127.1	35383.	11494.
Stddev	1.9	155.	54.
%RSD	.16951	.43713	.47160

Sample Name: CCB Acquired: 11/2/2012 16:24:11 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.04	-2.449	.2438	.2865	.1006	18.63
Stddev	12.39	1.084	.0894	.1522	.0761	16.02
%RSD	51.55	44.26	36.65	53.12	75.63	86.00

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1293	.1054	.5150	.3548	8.793	109.1
Stddev	.0639	.2980	.1451	1.138	4.816	51.0
%RSD	49.42	282.6	28.18	320.8	54.78	46.72

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.60	.3356	85.73	-.3673	-.5963	2.723
Stddev	3.00	.2970	29.05	1.147	1.033	2.748
%RSD	25.83	88.50	33.89	312.4	173.2	100.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.944	-.0847	.1479	.3684	1.331	2.078
Stddev	2.574	4.344	.6385	.1198	1.251	.318
%RSD	132.4	5131.	431.6	32.53	94.02	15.32

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/2/2012 16:24:11 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.9660	.4535	3.152	15.98
Stddev	.2385	.3322	.140	15.79
%RSD	24.69	73.25	4.426	98.77

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	1245.4	38949.	11606.
Stddev	3.3	214.	55.
%RSD	.26525	.54893	.47583

Sample Name: mb 460-134212/1-a Acquired: 11/2/2012 16:27:57 Type: QC

Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36.34	-3.599	.2827	.1072	.0106	28.54
Stddev	12.96	1.898	.3148	.1966	.0626	4.37
%RSD	35.65	52.73	111.3	183.4	592.6	15.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1388	-.3026	.8250	-.0604	12.87	69.12
Stddev	.0937	.3110	.7118	1.113	5.90	10.47
%RSD	67.46	102.8	86.28	1841.	45.81	15.15

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.103	.1857	36.32	-.0915	-.9531	1.417
Stddev	2.877	.0534	3.57	.8184	.9716	1.212
%RSD	136.8	28.77	9.821	894.3	101.9	85.54

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	2.685	-3.939	.0476	.5391	2.065	.0864
Stddev	.402	2.590	.2035	.1580	.394	.2079
%RSD	14.97	65.77	427.4	29.30	19.06	240.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-134212/1-a Acquired: 11/2/2012 16:27:57 Type: QC
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.6822	.1292	.4040	28.42
Stddev	.2471	.0607	.7375	3.17
%RSD	36.23	46.96	182.6	11.15

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	1265.7	39715.	12014.
Stddev	1.8	66.	54.
%RSD	.14596	.16675	.45044

Sample Name: 460-46540-b-3-a Acquired: 11/2/2012 16:31:40 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32.98	-.8063	.0169	20.05	.0595	10500.
Stddev	4.63	.1564	.5055	.32	.0289	12.
%RSD	14.04	19.40	2991.	1.600	48.60	.1123

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0208	-.0424	.9936	1.225	1654.	3864.
Stddev	.1110	.0370	.8308	.368	10.	23.
%RSD	533.7	87.23	83.62	30.08	.6221	.5857

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3942.	46.51	86460.	.0350	1.115	-1.164
Stddev	28.	.22	139.	.3832	1.294	.091
%RSD	.7171	.4687	.1606	1094.	116.1	7.821

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	.8241	-6.050	.0517	3.485	27.17	-.1381
Stddev	5.457	3.356	.1049	.139	.11	.4768
%RSD	662.2	55.47	203.0	3.982	.4160	345.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46540-b-3-a Acquired: 11/2/2012 16:31:40 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.090	106.2	.5595	2827.
Stddev	.117	.4	.8119	18.
%RSD	10.73	.3504	145.1	.6399

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	1207.7	37577.	11947.
Stddev	3.9	109.	24.
%RSD	.32438	.29115	.19941

Sample Name: 460-46540-a-4-a Acquired: 11/2/2012 16:35:21 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32.60	-1.176	.6009	22.20	.0388	11240.
Stddev	4.68	1.929	.1813	.11	.0481	13.
%RSD	14.34	163.9	30.18	.4776	124.1	.1186

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1308	-.2966	1.380	2.002	2533.	4040.
Stddev	.1108	.3807	.373	1.995	8.	13.
%RSD	84.76	128.4	27.05	99.65	.3316	.3302

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3879.	54.84	87960.	-.1594	-1.212	-.7247
Stddev	14.	.25	177.	.6627	1.074	2.374
%RSD	.3612	.4579	.2014	415.7	88.60	327.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	2.804	-3.546	-.2835	1.444	28.75	-.1630
Stddev	2.136	2.091	.1375	.127	.57	.3093
%RSD	76.18	58.97	48.49	8.806	1.985	189.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46540-a-4-a Acquired: 11/2/2012 16:35:21 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.271	105.7	.8725	3028.
Stddev	.609	.2	.6025	33.
%RSD	47.93	.1753	69.06	1.101

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	1212.0	37579.	11893.
Stddev	2.4	89.	64.
%RSD	.20014	.23708	.53869

Sample Name: 460-46547-c-2-a Acquired: 11/2/2012 16:39:03 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1455.	5.680	-1.1039	90.96	.1064	203000.
Stddev	12.	1.910	.5213	.76	.0447	948.
%RSD	.8007	33.63	501.6	.8346	41.98	.4669

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.861	4.224	9.254	63.69	3650.	F 171000.
Stddev	.165	.375	.641	1.00	13.	1224.
%RSD	5.774	8.883	6.923	1.563	.3504	.7158

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 391000.	556.7	F 2138000.	76.30	39.25	49.60
Stddev	1858.	1.8	11080.	.85	2.31	2.52
%RSD	.4752	.3290	.5185	1.109	5.884	5.073

Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.		250000.			
Low Limit	-2000.		-5000.			

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	12.59	-2.285	8.147	3579.	F 5947.	465.6
Stddev	5.54	3.937	.740	16.	20.	1.1
%RSD	43.97	172.3	9.080	.4595	.3397	.2369

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					2000.	
Low Limit					-50.00	

Sample Name: 460-46547-c-2-a Acquired: 11/2/2012 16:39:03 Type: Unk
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	5.121	2360.	49.86	13090.
Stddev	1.159	6.	.50	44.
%RSD	22.62	.2374	.9955	.3386

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	904.83	28558.	11112.
Stddev	1.62	71.	65.
%RSD	.17929	.24790	.58789

Sample Name: 460-46388-g-1-b@5 Acquired: 11/2/2012 16:42:49 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.89	-.1921	1.326	83.70	-.0346	10190.
Stddev	4.51	1.962	.726	.27	.0325	23.
%RSD	23.88	1021.	54.75	.3244	94.11	.2226

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0973	18.51	.0766	.2433	7.981	1001.
Stddev	.1503	.44	.0092	3.692	6.293	127.
%RSD	154.4	2.386	11.98	1518.	78.86	12.70

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4573.	5722.	21610.	-.3452	1.195	2.380
Stddev	15.	6.	844.	.4391	.764	2.940
%RSD	.3381	.1048	3.905	127.2	63.96	123.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	5.177	-3.954	.2667	1.566	32.74	.7546
Stddev	3.214	1.801	.3920	.213	2.25	.1633
%RSD	62.08	45.55	147.0	13.59	6.871	21.64

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46388-g-1-b@5 Acquired: 11/2/2012 16:42:49 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-9786	112.3	-0715	1230.
Stddev	.4068	.3	.8793	12.
%RSD	41.57	.2929	1229.	.9629

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	1228.0	38499.	11864.
Stddev	.6	111.	47.
%RSD	.05214	.28735	.39776

Sample Name: 460-46388-e-2-e@5 Acquired: 11/2/2012 16:46:30 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25.81	-3.006	1.655	45.67	-.0307	4708.
Stddev	5.07	1.855	.886	.24	.0125	14.
%RSD	19.64	61.71	53.52	.5182	40.52	.2885

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0079	25.12	-.4656	1.492	485.7	613.6
Stddev	.0643	.47	.4644	.445	5.4	19.5
%RSD	816.9	1.858	99.74	29.86	1.120	3.172

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3232.	5776.	8874.	-.6801	-2.155	1.899
Stddev	13.	5.	68.	.7032	2.861	2.159
%RSD	.4065	.0794	.7641	103.4	132.7	113.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	3.502	-2.689	-.1284	.8125	4.230	-.2454
Stddev	3.288	3.148	.5198	.1092	.873	.3107
%RSD	93.91	117.1	404.7	13.44	20.64	126.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46388-e-2-e@5 Acquired: 11/2/2012 16:46:30 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.6420	48.03	-.4322	619.3
Stddev	.7435	.18	.1767	11.0
%RSD	115.8	.3749	40.88	1.779

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	1243.8	38919.	11839.
Stddev	2.4	54.	39.
%RSD	.19244	.13974	.33173

Sample Name: 460-46547-c-2-a@20 Acquired: 11/2/2012 16:50:12 Type: Unk
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	80.68	-4.634	.2206	4.405	-.0099	9868.
Stddev	2.86	1.278	.3577	.030	.0278	18.
%RSD	3.552	27.59	162.2	.6884	280.3	.1783

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0236	.0552	-.1172	2.105	191.1	7510.
Stddev	.1095	.2219	.6122	1.929	11.9	60.
%RSD	463.1	402.2	522.5	91.65	6.214	.7991

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19600.	28.61	172200.	4.002	1.012	2.004
Stddev	16.	.26	2953.	1.181	1.513	1.251
%RSD	.0793	.9241	1.715	29.51	149.5	62.44

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	3.791	.5290	.1602	185.2	287.4	22.71
Stddev	1.753	2.773	.2935	.3	1.8	.19
%RSD	46.23	524.1	183.2	.1433	.6164	.8416

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46547-c-2-a@20 Acquired: 11/2/2012 16:50:12 Type: Unk
Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.6087	112.6	2.019	511.4
Stddev	.4362	.2	.618	11.9
%RSD	71.67	.1372	30.61	2.319

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	1183.0	36714.	11831.
Stddev	.5	19.	66.
%RSD	.04627	.05123	.55841

Sample Name: CCV Acquired: 11/2/2012 16:54:03 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122800.	2458.	1229.	10060.	972.6	126000.
Stddev	117.	3.	1.	6.	1.4	97.
%RSD	.0953	.1132	.0902	.0551	.1428	.0768

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	1252.	2503.	4981.	12250.	99230.	49870.
Stddev	1.	1.	10.	12.	194.	107.
%RSD	.0776	.0572	.1958	.0971	.1958	.2144

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	123300.	5031.	125400.	2512.	7623.	985.9
Stddev	274.	6.	223.	2.	8.	3.5
%RSD	.2222	.1136	.1778	.0803	.1064	.3526

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2448.	2517.	2472.	2458.	987.4	2492.
Stddev	4.	17.	6.	2.	1.9	3.
%RSD	.1573	.6762	.2324	.0943	.1912	.1061

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/2/2012 16:54:03 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	999.5	5022.	9867.	10060.
Stddev	3.2	105.	16.	107.
%RSD	.3174	2.097	.1656	1.065

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	1131.5	35542.	11539.
Stddev	.5	88.	33.
%RSD	.04363	.24631	.28641

Sample Name: CCB Acquired: 11/2/2012 16:57:37 Type: QC
Method: SW846_103112(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.09	-3.151	.2316	.4410	.1049	19.48
Stddev	11.09	.993	.3386	.5777	.0841	11.56
%RSD	84.72	31.50	146.2	131.0	80.19	59.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0944	.0263	-.0285	1.113	5.233	119.2
Stddev	.0720	.2756	.4850	.417	6.378	57.0
%RSD	76.32	1048.	1702.	37.42	121.9	47.83

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.445	.4113	164.2	-.4333	-1.362	4.716
Stddev	9.037	.3496	37.8	.8748	1.972	3.667
%RSD	203.3	85.01	23.02	201.9	144.8	77.75

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	2.308	-2.842	-.1935	.3869	2.341	1.819
Stddev	2.836	2.028	.0908	.1620	.768	.340
%RSD	122.9	71.35	46.91	41.87	32.82	18.69

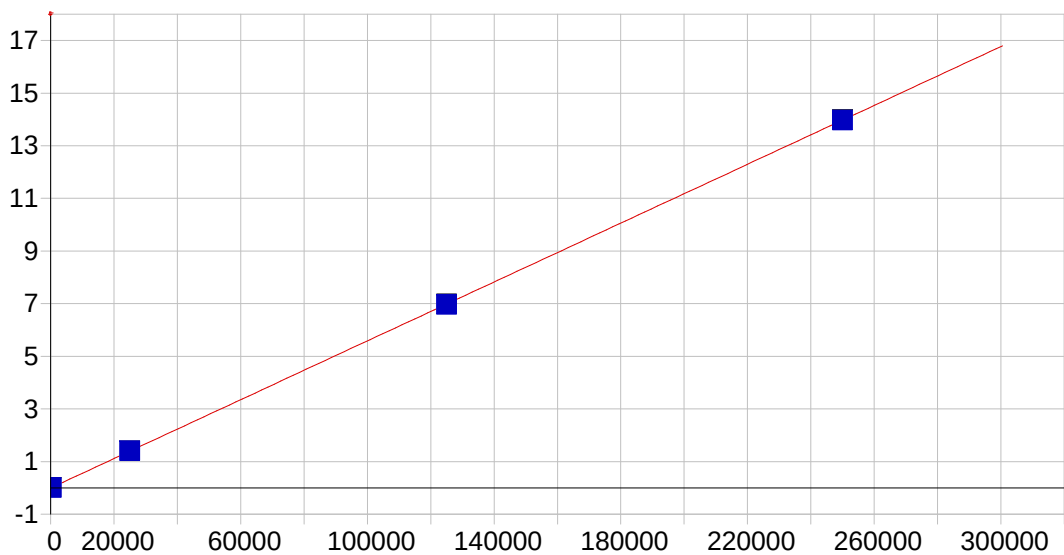
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/2/2012 16:57:37 Type: QC
 Method: SW846_103112(v8) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.150	.4099	2.569	10.28
Stddev	.714	.3575	.592	14.27
%RSD	62.10	87.22	23.03	138.8

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	1255.7	39394.	11728.
Stddev	2.8	48.	47.
%RSD	.22217	.12060	.39676

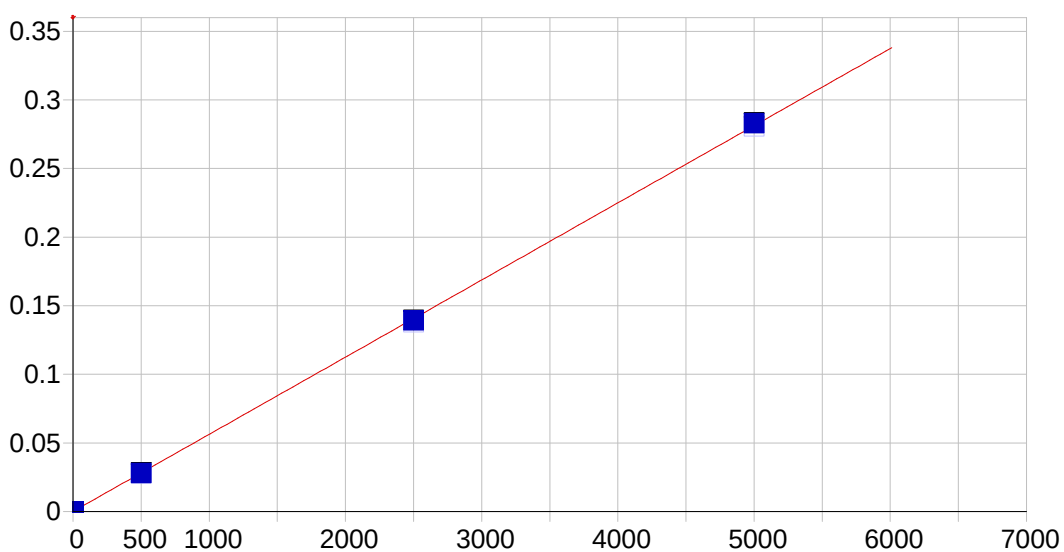


AI 396.152 { 85}

Date of Fit: 11/27/2012 12:28:05 Type of Fit: Linear Weighting: 1/Conc

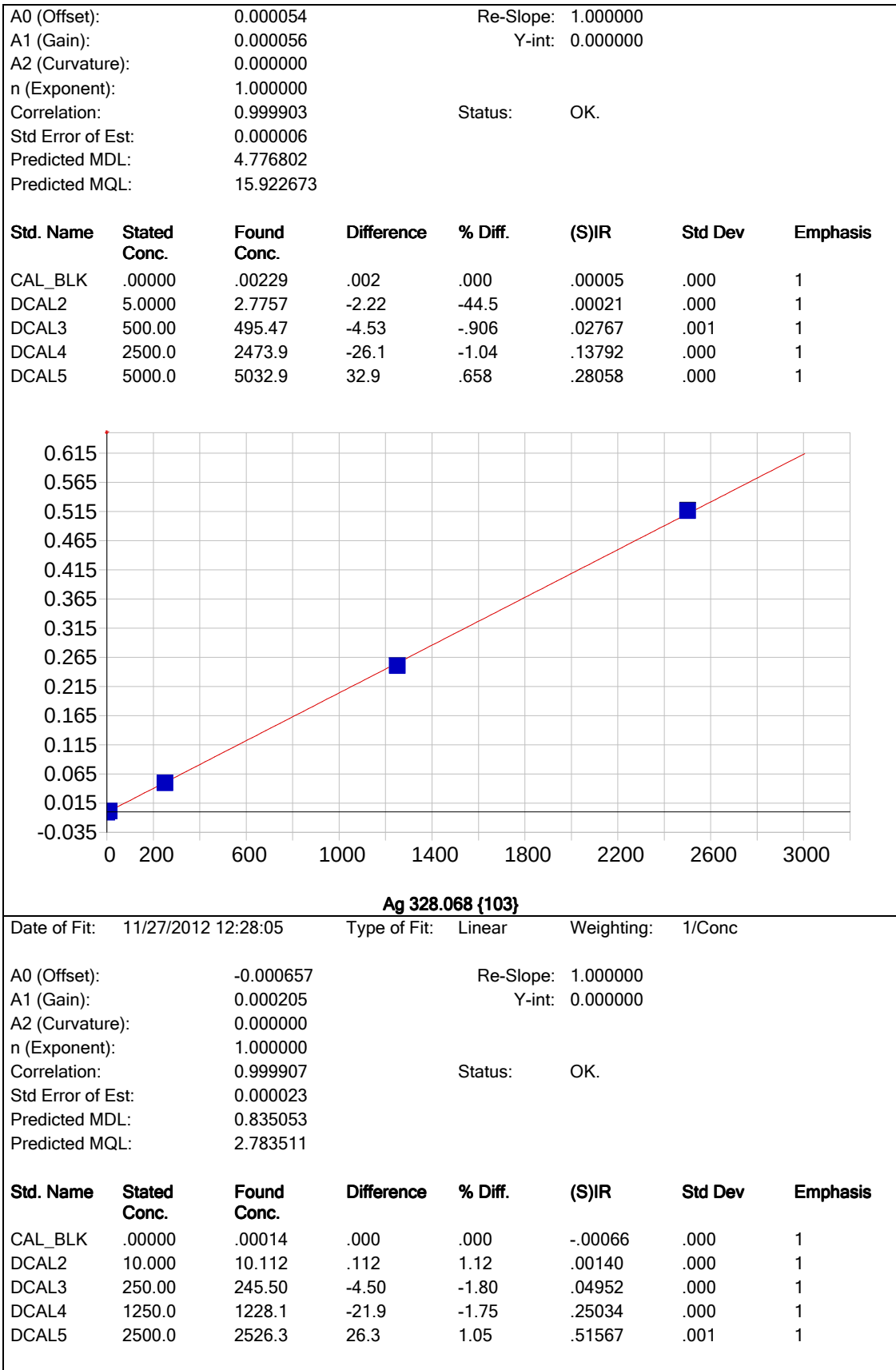
A0 (Offset): -0.005065 Re-Slope: 1.000000
 A1 (Gain): 0.000056 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999989 Status: OK.
 Std Error of Est: 0.000094
 Predicted MDL: 13.755187
 Predicted MQL: 45.850622

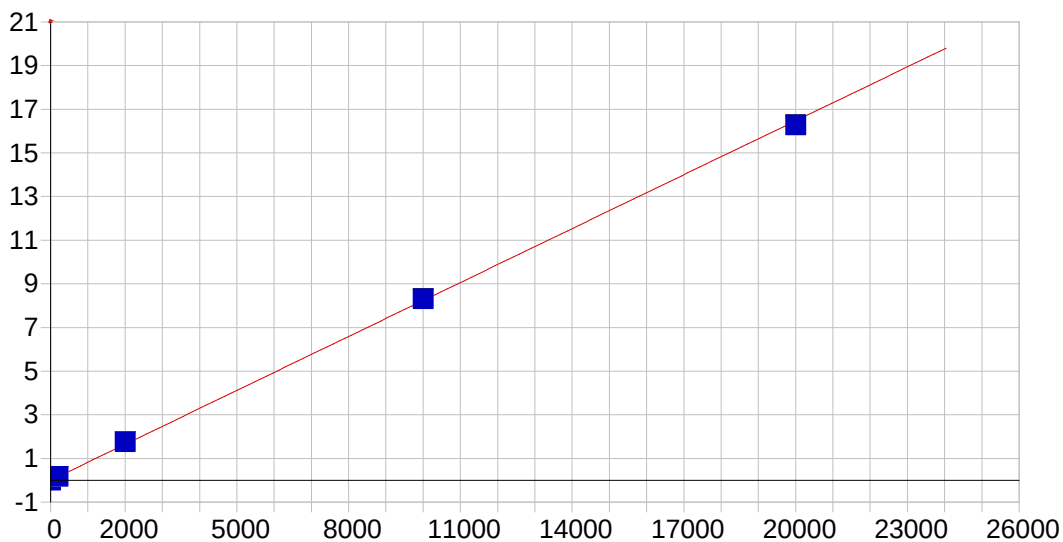
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.03230	-.032	.000	-.00507	.000	1
DCAL2	200.00	230.41	30.4	15.2	.00779	.000	1
DCAL3	25000.	25291.	291.	1.16	1.4096	.006	1
DCAL4	125000.	124780.	-221.	-.177	6.9746	.005	1
DCAL5	250000.	249900.	-100.	-.040	13.973	.020	1



As 189.042 {478}

Date of Fit: 11/27/2012 12:28:05 Type of Fit: Linear Weighting: 1/Conc



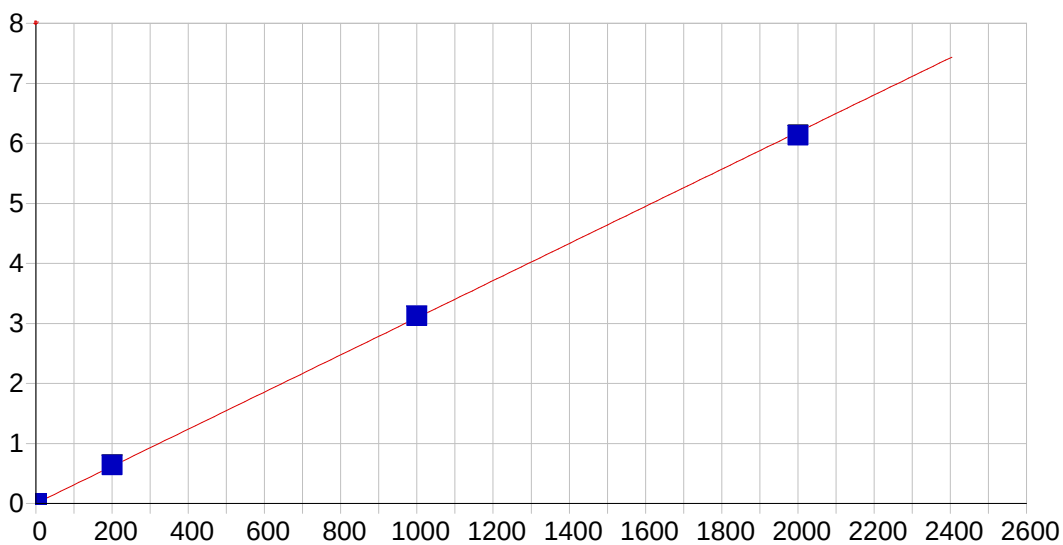


Ba 233.527 {445}

Date of Fit: 11/27/2012 12:28:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000107 Re-Slope: 1.000000
 A1 (Gain): 0.000824 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999768 Status: OK.
 Std Error of Est: 0.001835
 Predicted MDL: 0.396388
 Predicted MQL: 1.321293

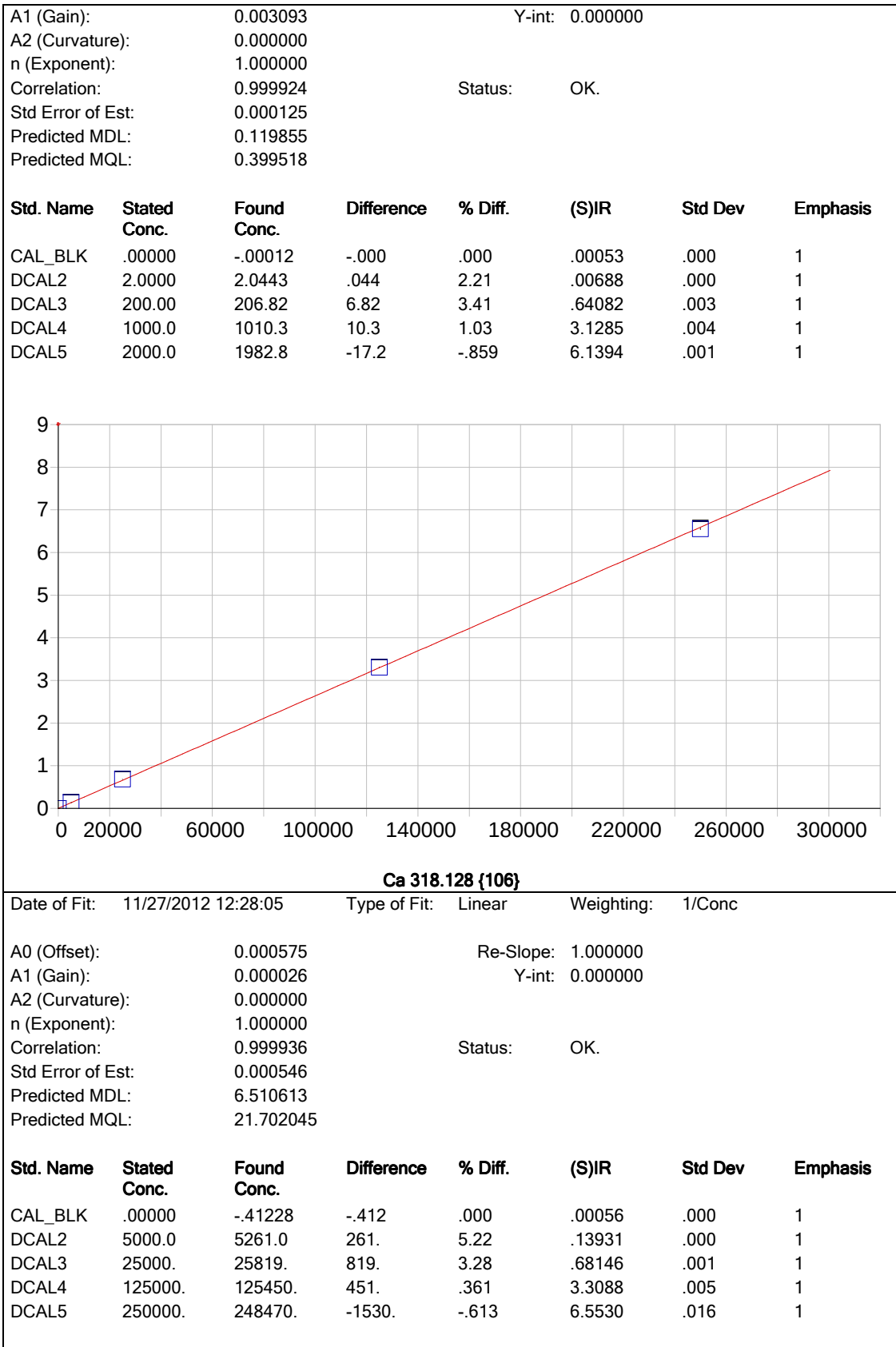
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.02892	-.029	.000	-.00013	.000	1
DCAL2	200.00	215.51	15.5	7.76	.17731	.000	1
DCAL3	2000.0	2140.9	141.	7.05	1.7617	.001	1
DCAL4	10000.	10088.	88.2	.882	8.3014	.009	1
DCAL5	20000.	19755.	-245.	-1.22	16.256	.004	1

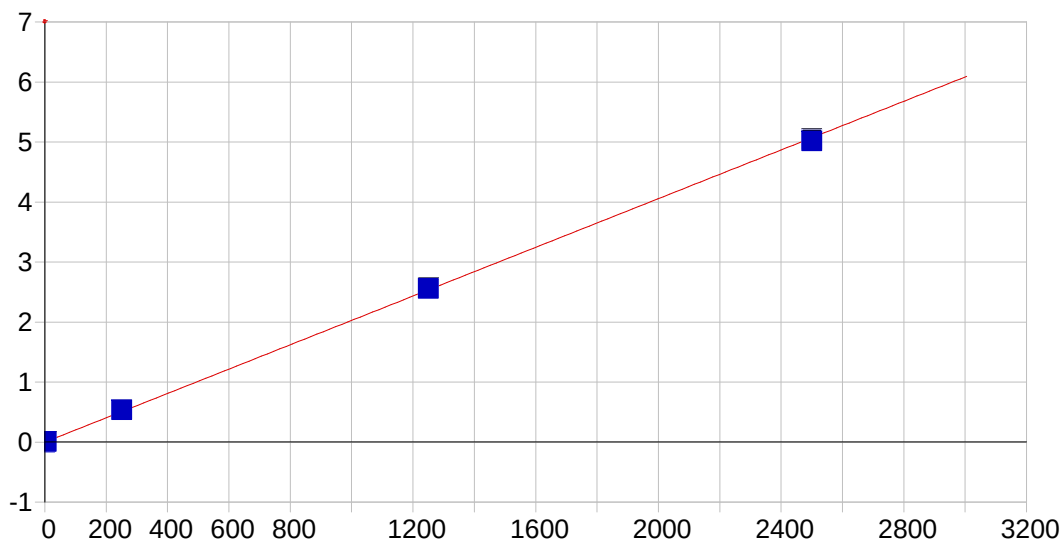


Be 313.042 {108}

Date of Fit: 11/27/2012 12:28:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000534 Re-Slope: 1.000000



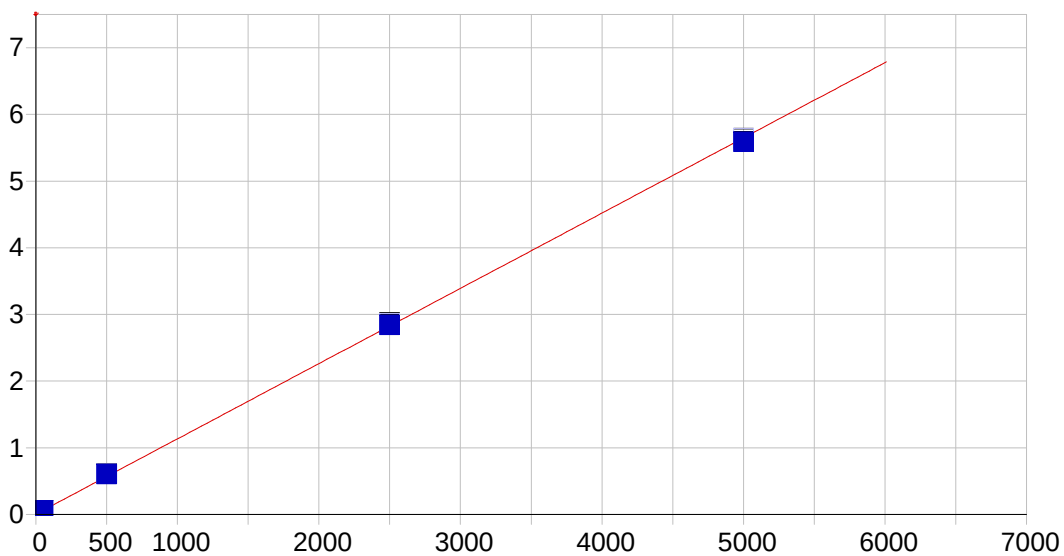


Cd 226.502 {449}

Date of Fit: 11/27/2012 12:28:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000778 Re-Slope: 1.000000
 A1 (Gain): 0.002028 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999838 Status: OK.
 Std Error of Est: 0.000190
 Predicted MDL: 0.210305
 Predicted MQL: 0.701017

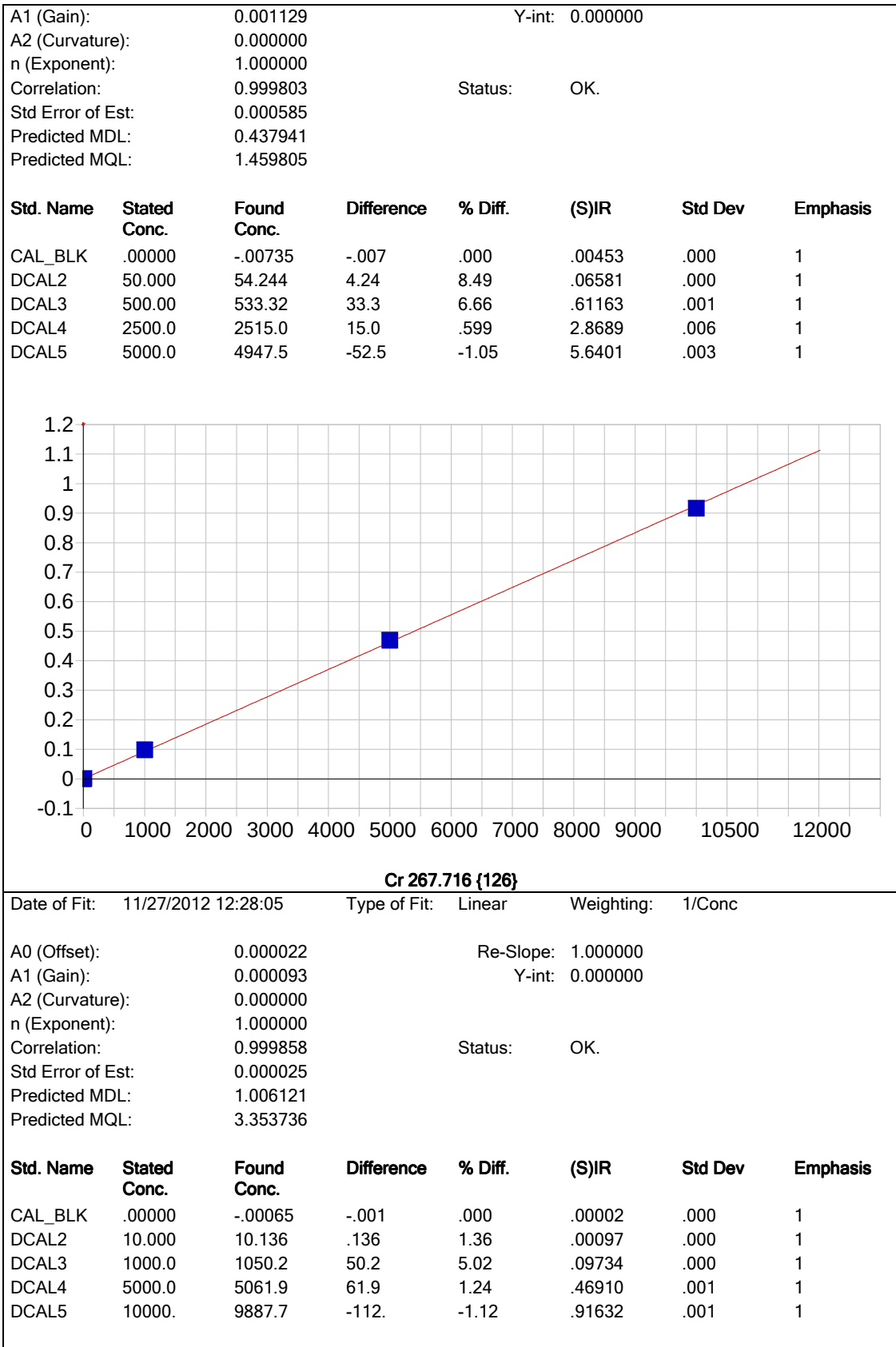
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00056	-.001	.000	-.00078	.000	1
DCAL2	4.0000	4.3197	.320	7.99	.00801	.000	1
DCAL3	250.00	265.34	15.3	6.14	.54044	.001	1
DCAL4	1250.0	1260.0	10.0	.803	2.5701	.002	1
DCAL5	2500.0	2474.3	-25.7	-1.03	5.0481	.003	1

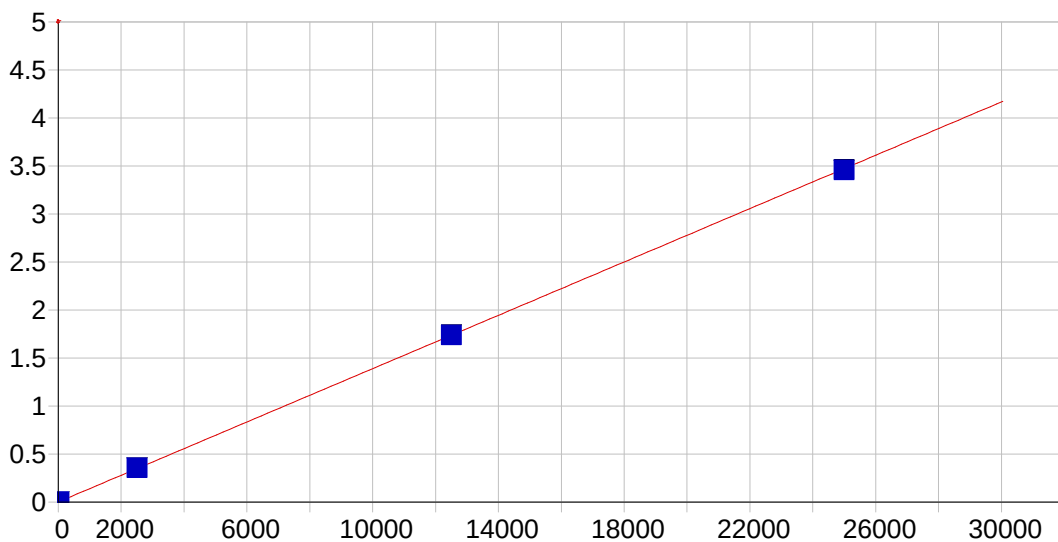


Co 228.616 {447}

Date of Fit: 11/27/2012 12:28:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004540 Re-Slope: 1.000000



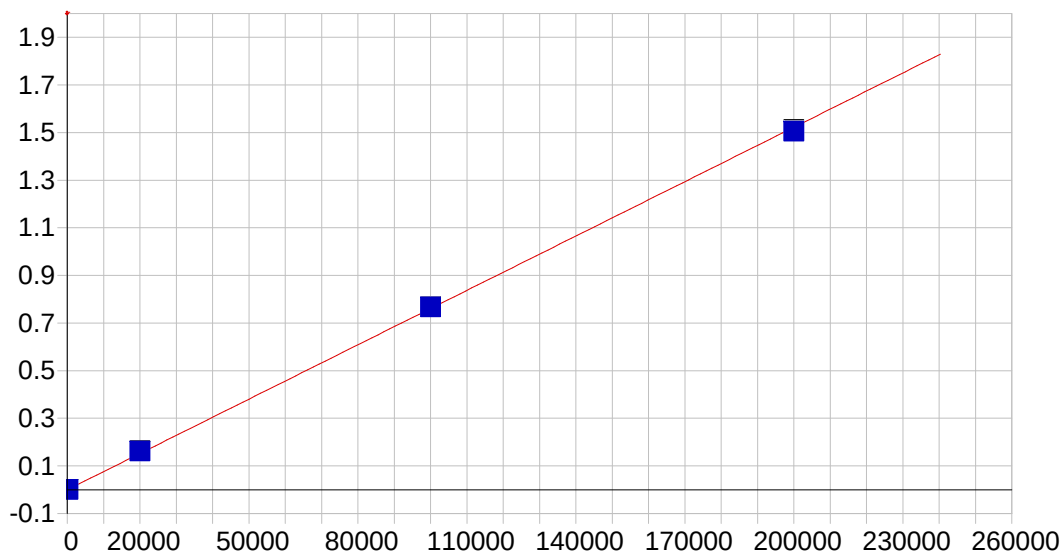


Cu 324.754 {104}

Date of Fit: 11/27/2012 12:28:05 Type of Fit: Linear Weighting: 1/Conc

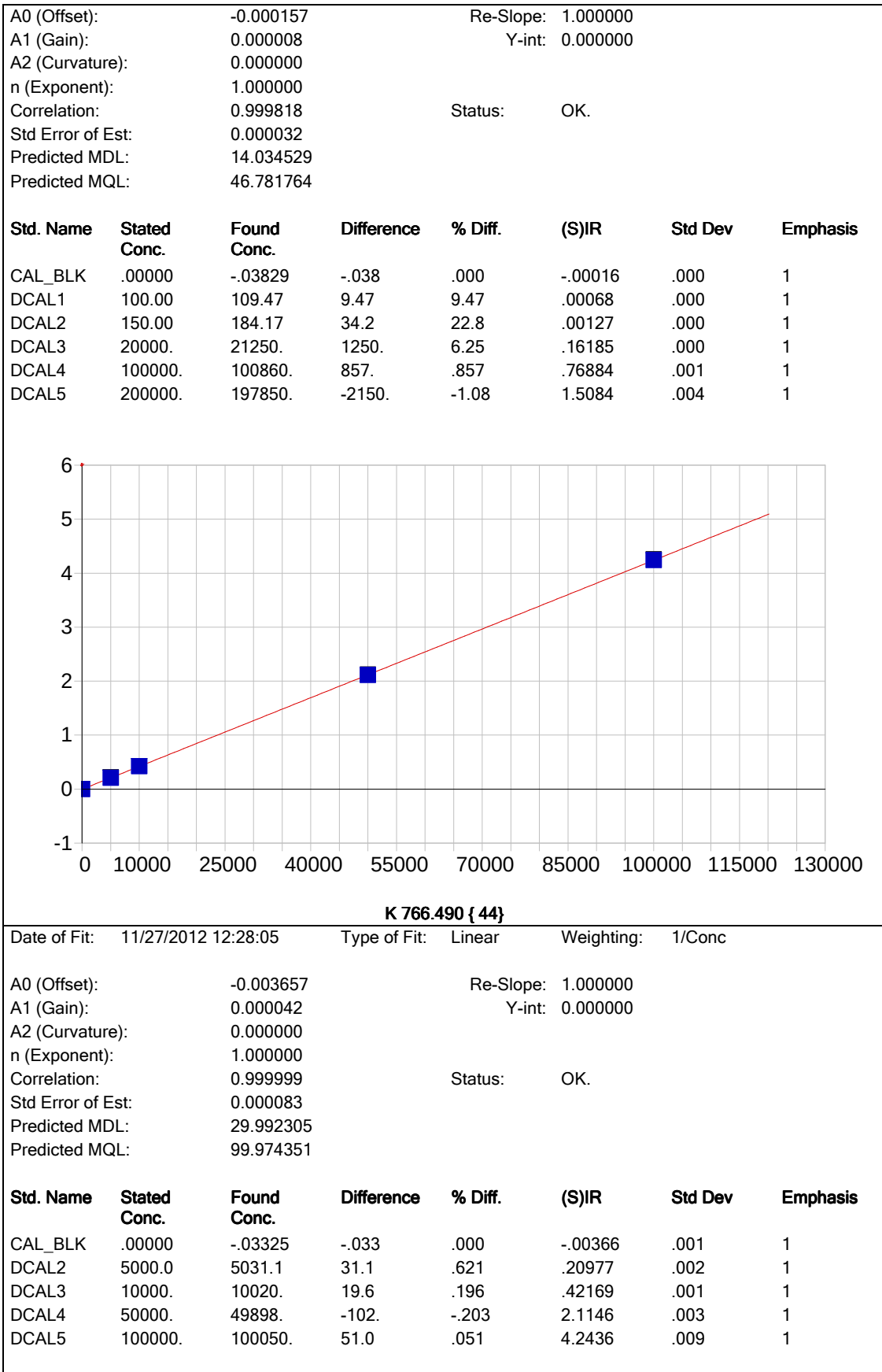
A0 (Offset): 0.001454 Re-Slope: 1.000000
 A1 (Gain): 0.000139 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999969 Status: OK.
 Std Error of Est: 0.000027
 Predicted MDL: 2.693335
 Predicted MQL: 8.977782

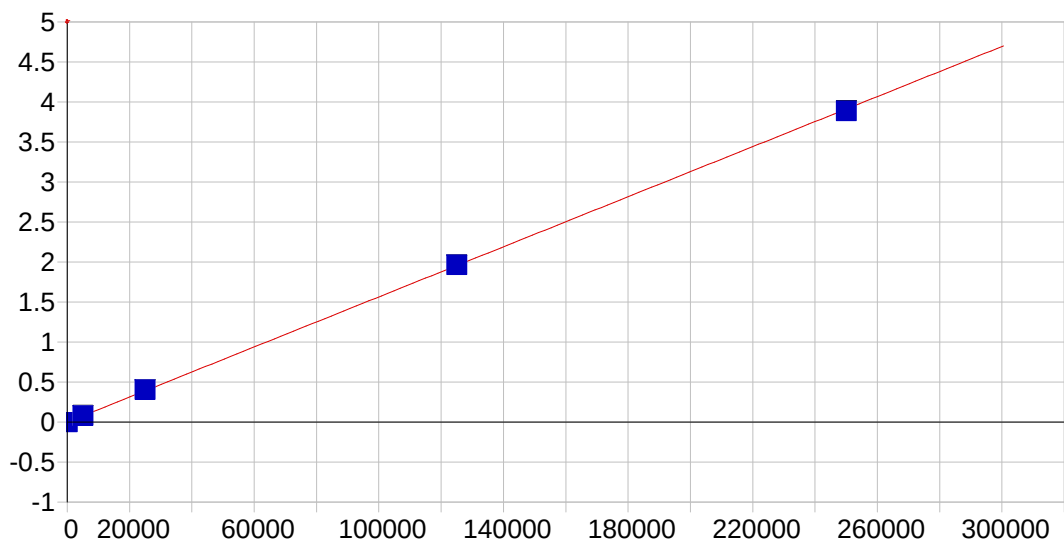
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00069	.001	.000	.00145	.000	1
DCAL1	10.000	9.0278	-.972	-9.72	.00271	.000	1
DCAL2	25.000	25.054	.054	.214	.00492	.000	1
DCAL3	2500.0	2568.7	68.7	2.75	.35771	.002	1
DCAL4	12500.	12531.	30.5	.244	1.7393	.002	1
DCAL5	25000.	24902.	-98.3	-.393	3.4550	.003	1



Fe 271.441 {124}

Date of Fit: 11/27/2012 12:28:05 Type of Fit: Linear Weighting: 1/Conc



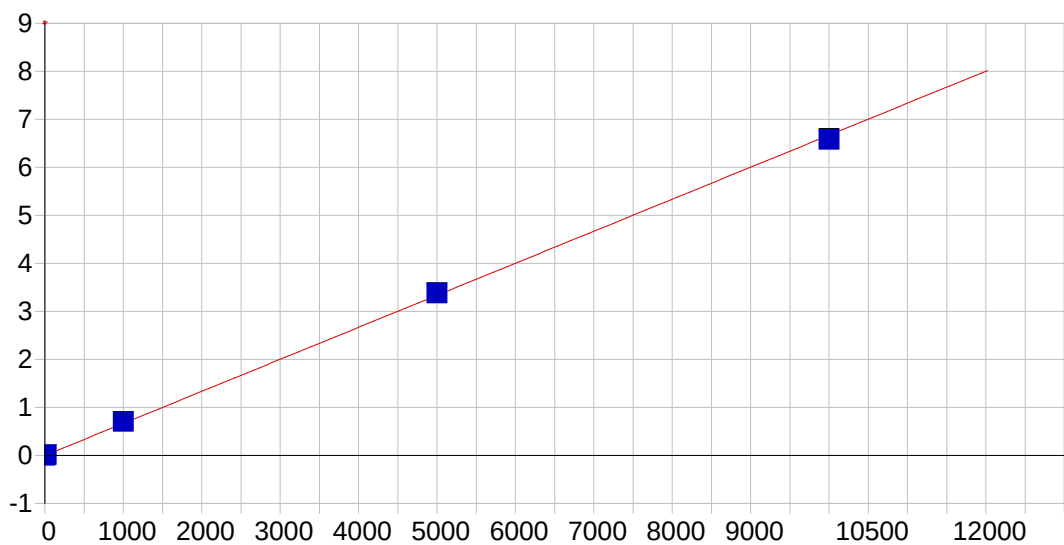


Mg 279.079 {121}

Date of Fit: 11/27/2012 12:28:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000026 Re-Slope: 1.000000
 A1 (Gain): 0.000016 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999936 Status: OK.
 Std Error of Est: 0.000325
 Predicted MDL: 6.472884
 Predicted MQL: 21.576281

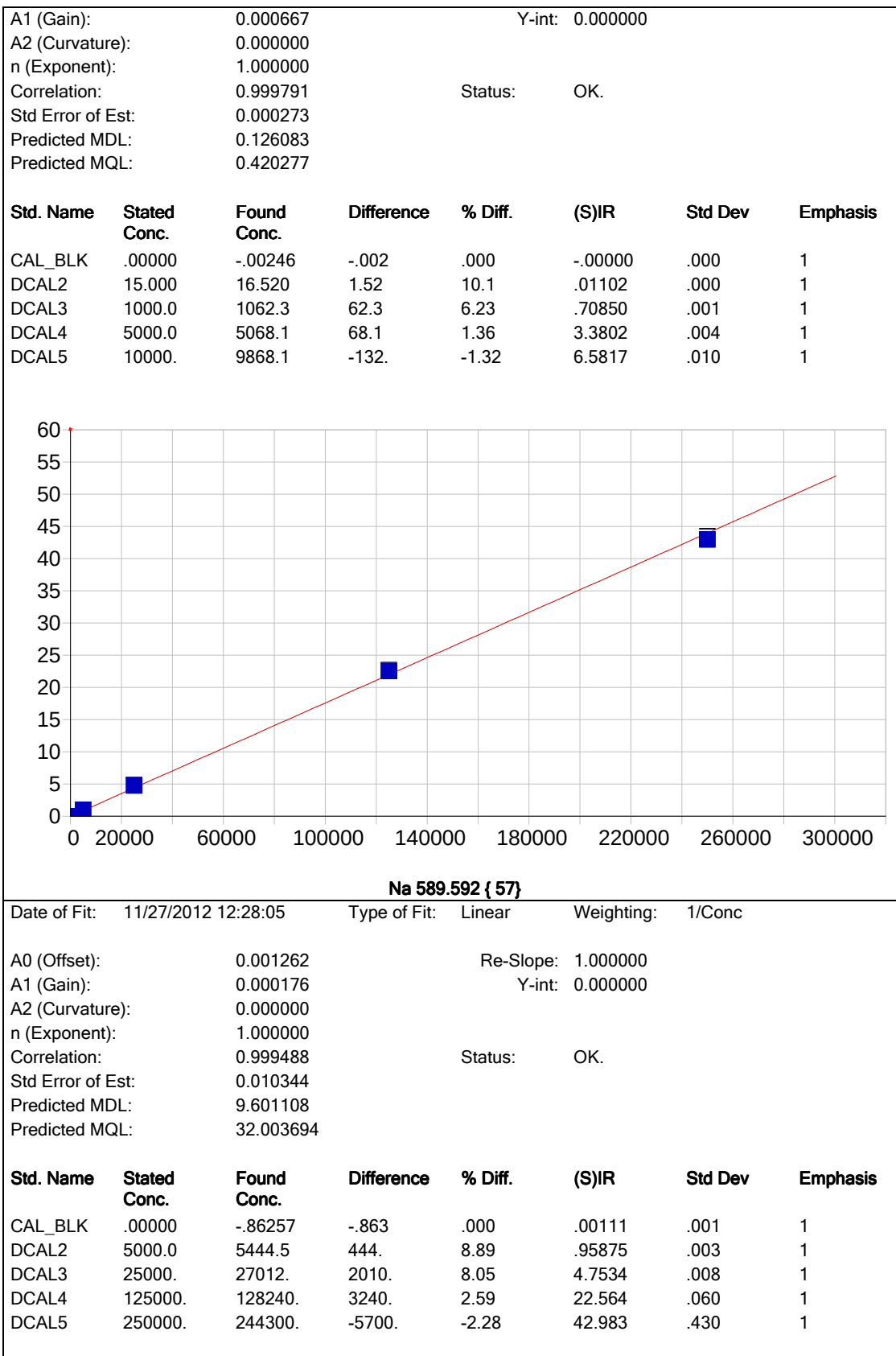
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.39009	-.390	.000	-.00003	.000	1
DCAL2	5000.0	5231.8	232.	4.64	.08182	.000	1
DCAL3	25000.	25847.	847.	3.39	.40424	.000	1
DCAL4	125000.	125520.	519.	.415	1.9631	.001	1
DCAL5	250000.	248400.	-1600.	-.639	3.8850	.008	1

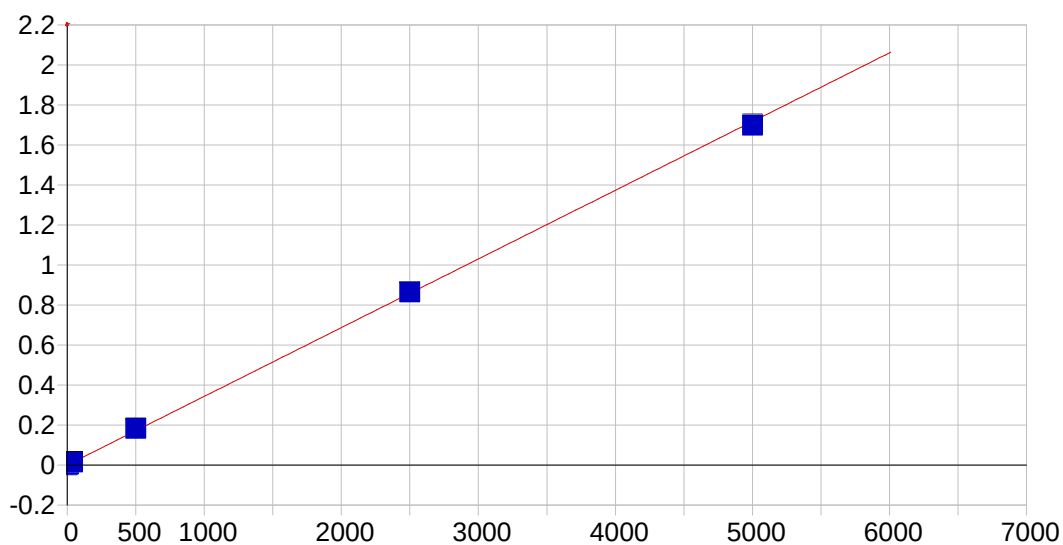


Mn 257.610 {131}

Date of Fit: 11/27/2012 12:28:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000001 Re-Slope: 1.000000



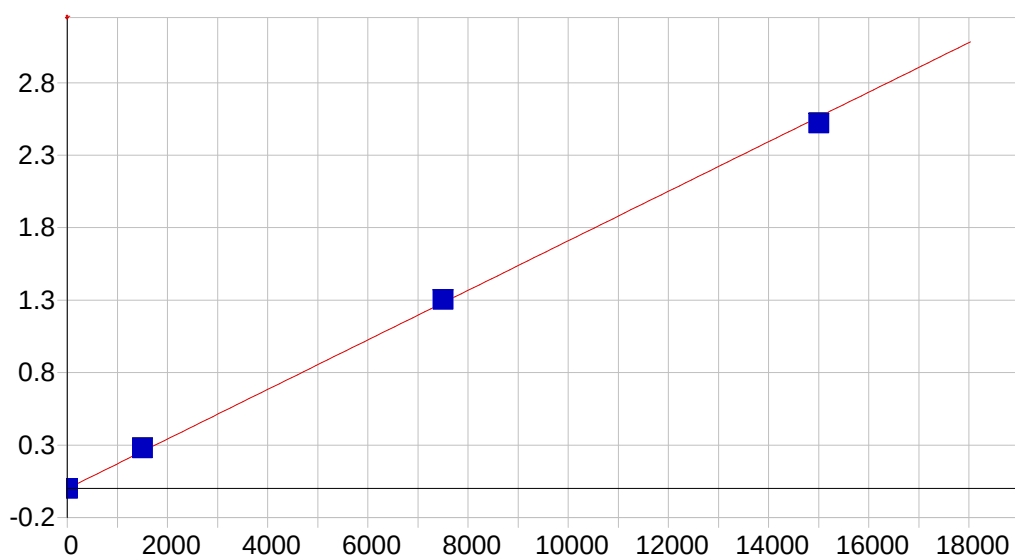


Ni 231.604 {446}

Date of Fit: 11/27/2012 12:28:05 Type of Fit: Linear Weighting: 1/Conc

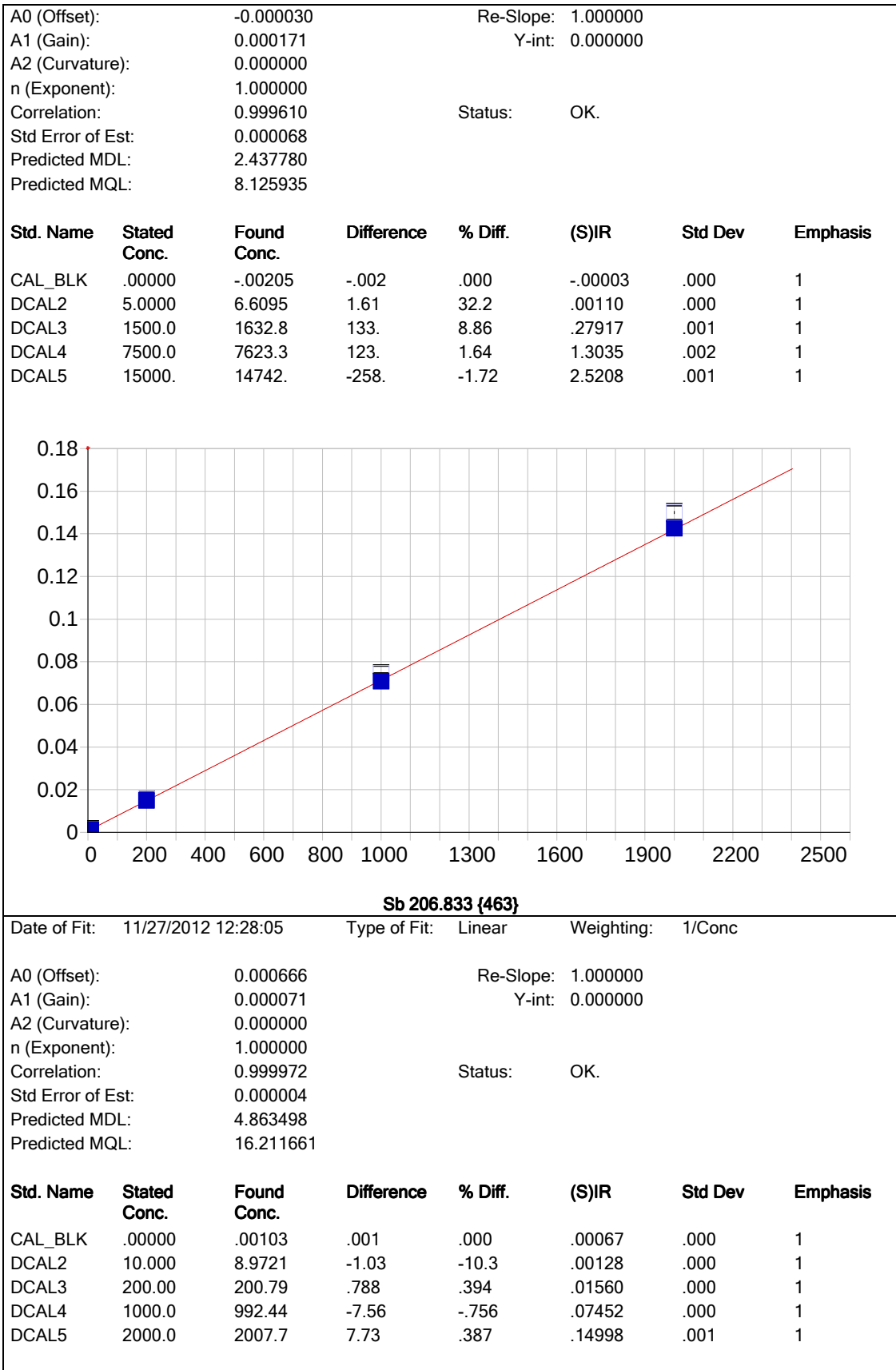
A0 (Offset): 0.000176 Re-Slope: 1.000000
 A1 (Gain): 0.000343 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999797 Status: OK.
 Std Error of Est: 0.000076
 Predicted MDL: 1.118096
 Predicted MQL: 3.726986

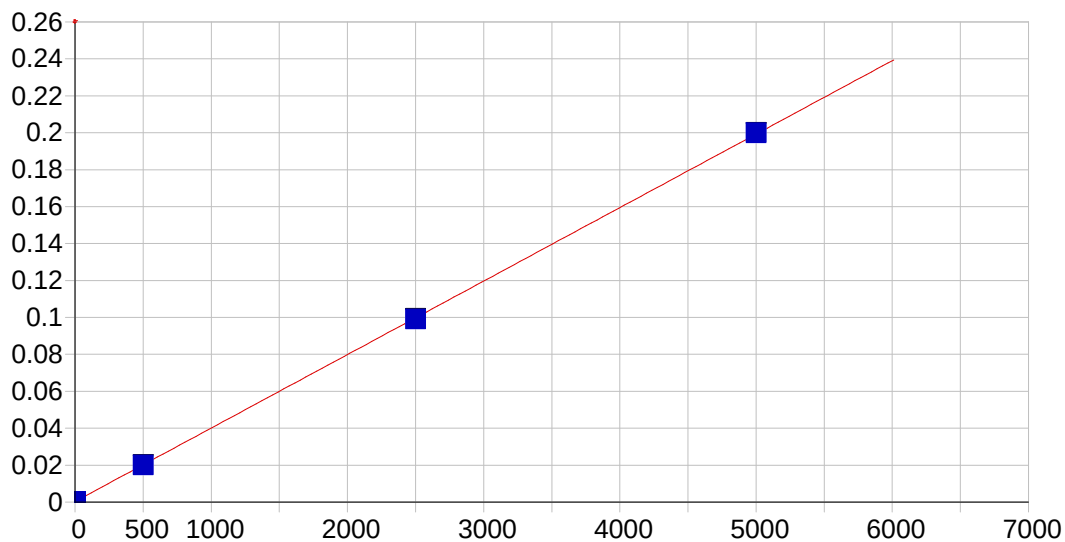
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00270	-.003	.000	.00018	.000	1
DCAL1	10.000	11.193	1.19	11.9	.00402	.000	1
DCAL2	40.000	43.609	3.61	9.02	.01516	.000	1
DCAL3	500.00	532.26	32.3	6.45	.18326	.000	1
DCAL4	2500.0	2517.7	17.7	.708	.86628	.002	1
DCAL5	5000.0	4945.2	-54.8	-1.10	1.7014	.002	1



Pb 220.353 {453}

Date of Fit: 11/27/2012 12:28:05 Type of Fit: Linear Weighting: 1/Conc



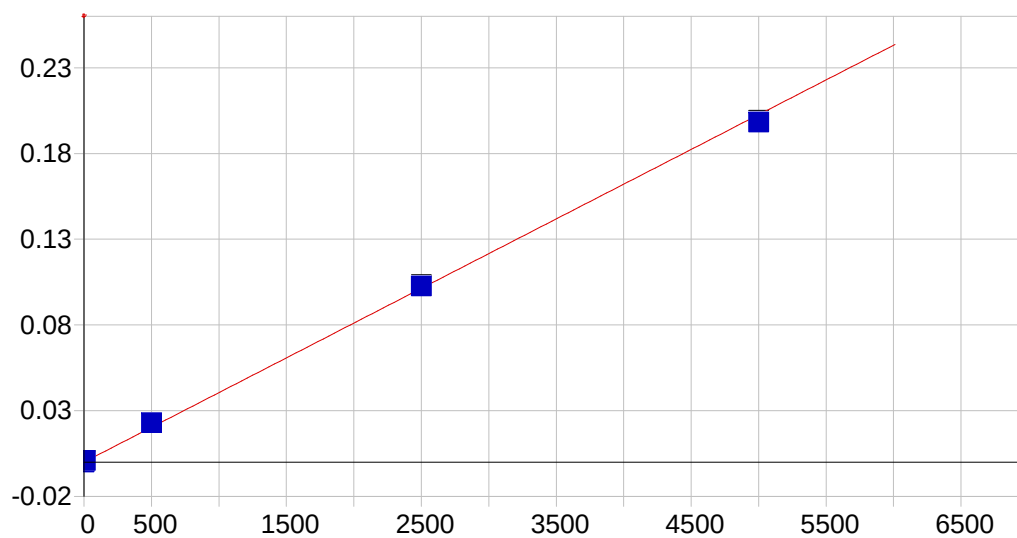


Se 196.090 {472}

Date of Fit: 11/27/2012 12:28:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000294 Re-Slope: 1.000000
 A1 (Gain): 0.000040 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999889 Status: OK.
 Std Error of Est: 0.000005
 Predicted MDL: 6.129896
 Predicted MQL: 20.432987

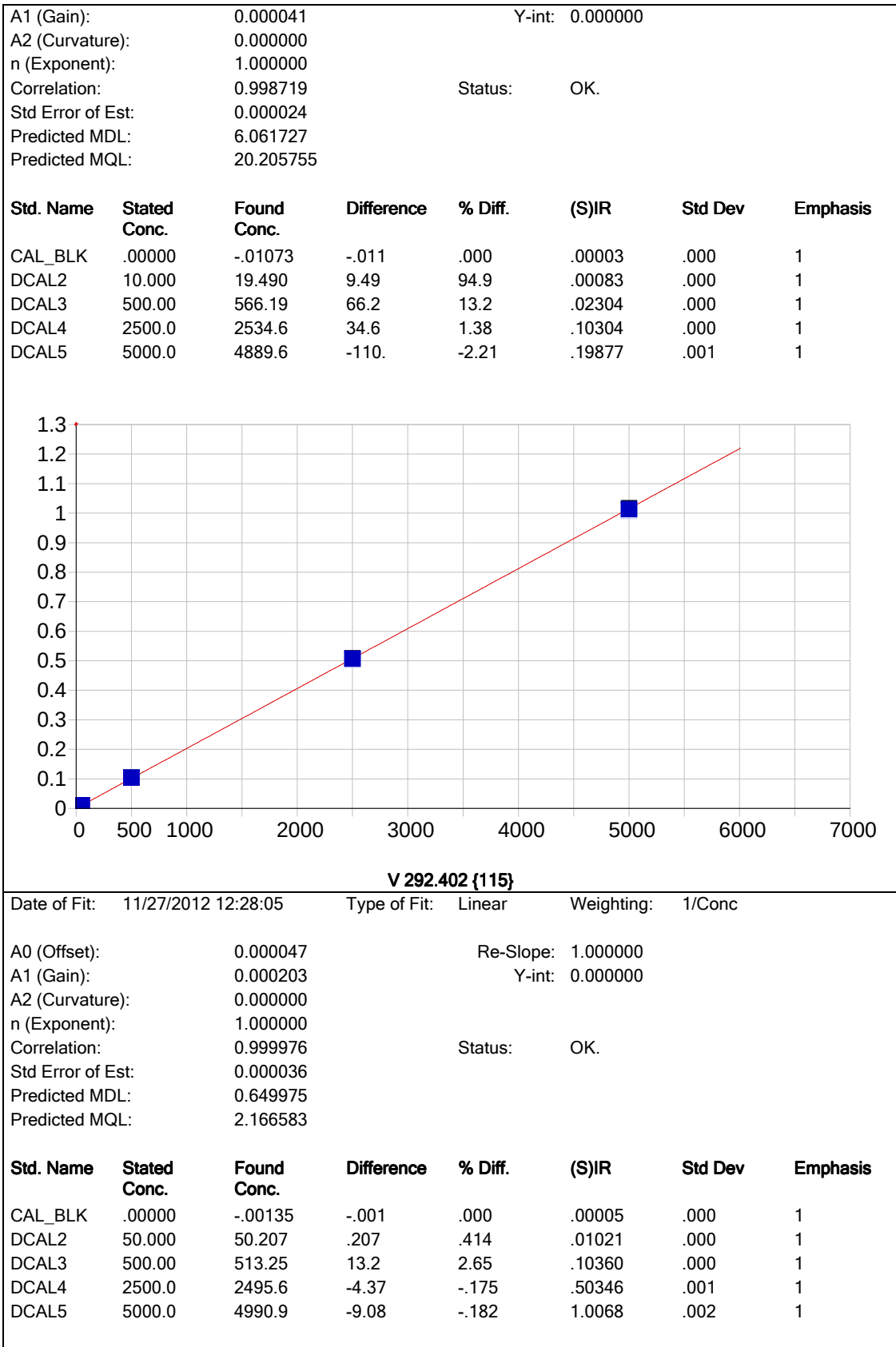
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00286	.003	.000	.00029	.000	1
DCAL2	5.0000	2.1865	-2.81	-56.3	.00037	.000	1
DCAL3	500.00	496.40	-3.60	-.720	.02001	.000	1
DCAL4	2500.0	2485.8	-14.2	-.568	.09904	.000	1
DCAL5	5000.0	5020.5	20.5	.409	.19973	.000	1

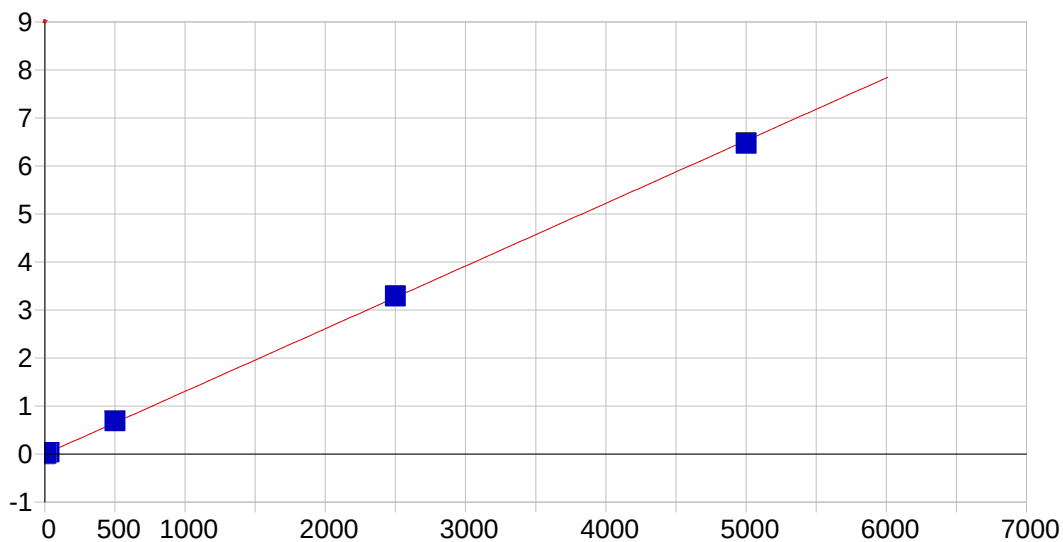


TI 190.856 {477}

Date of Fit: 11/27/2012 12:28:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000035 Re-Slope: 1.000000



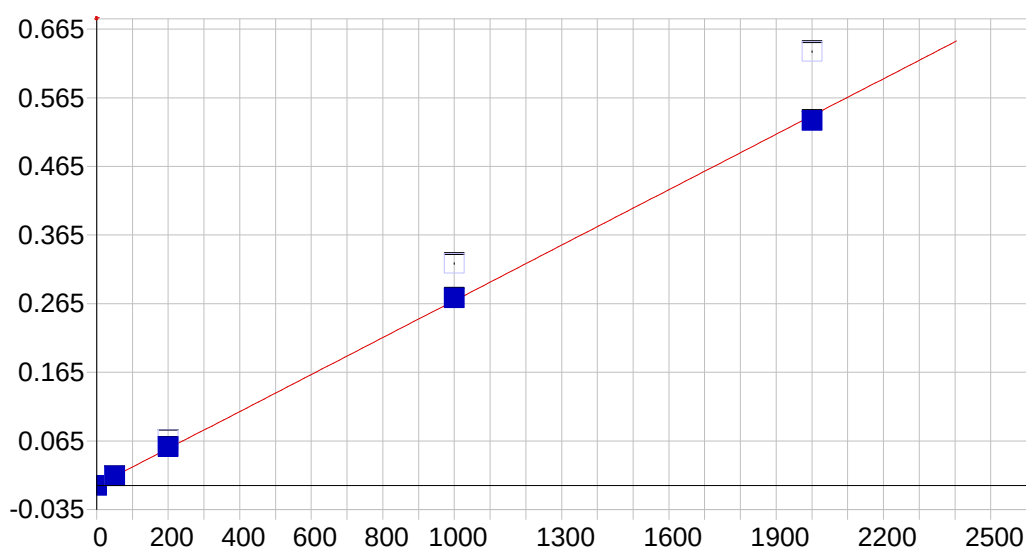


Zn 206.200 {463}

Date of Fit: 11/27/2012 12:28:05 Type of Fit: Linear Weighting: 1/Conc

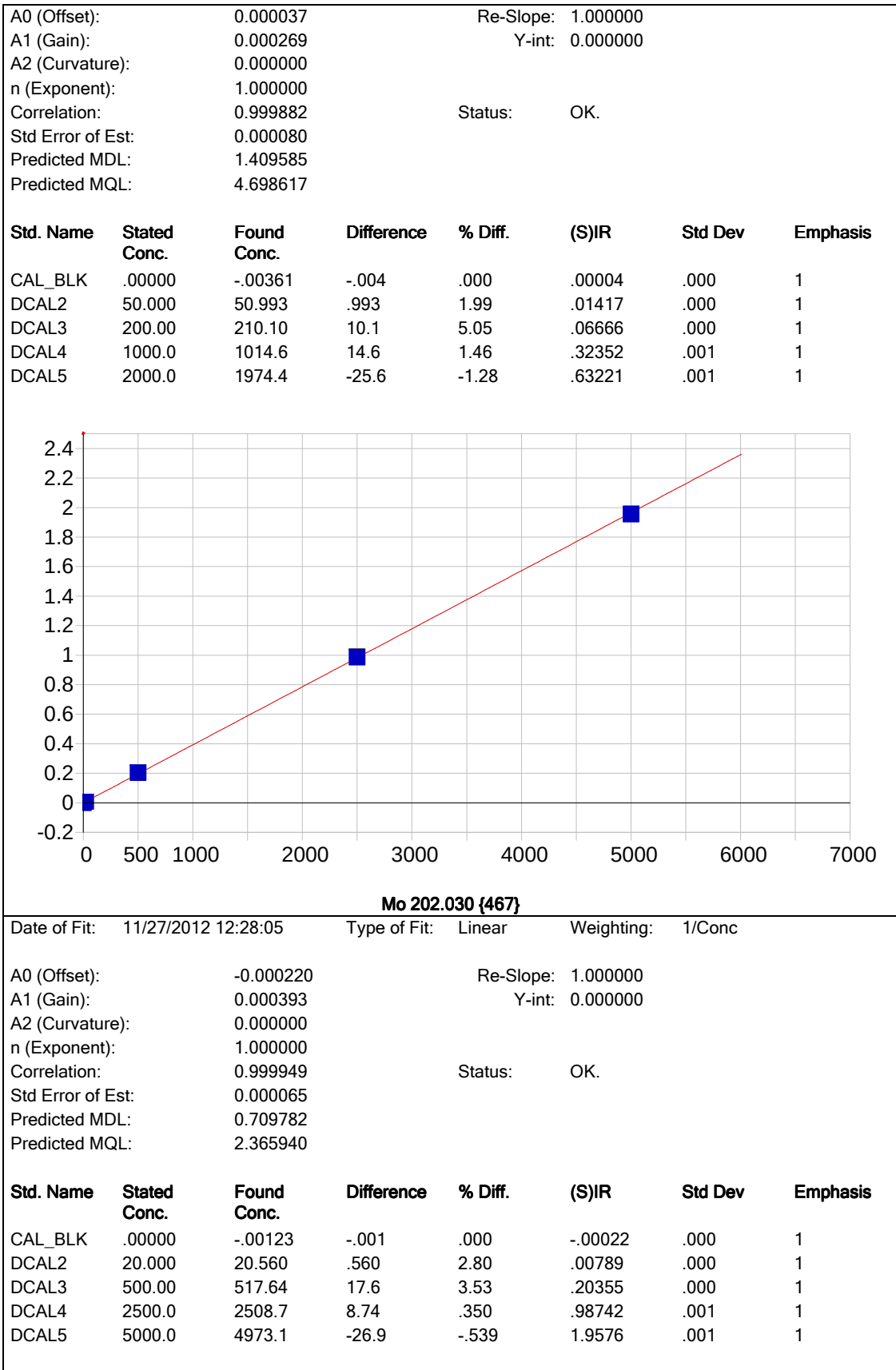
A0 (Offset): 0.000212 Re-Slope: 1.000000
 A1 (Gain): 0.001306 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999863 Status: OK.
 Std Error of Est: 0.000238
 Predicted MDL: 0.272425
 Predicted MQL: 0.908084

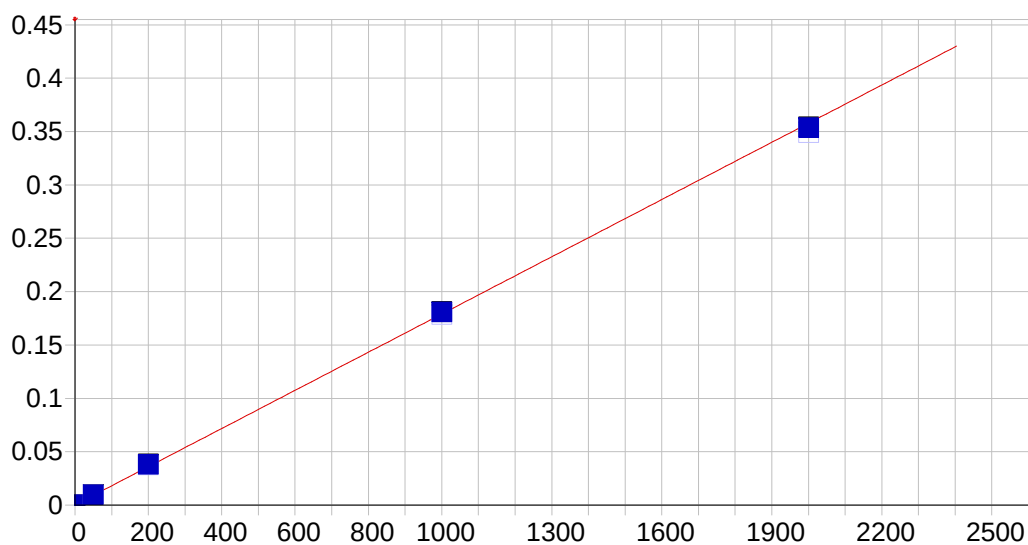
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00149	-.001	.000	.00021	.000	1
DCAL2	30.000	31.454	1.45	4.85	.04129	.000	1
DCAL3	500.00	528.21	28.2	5.64	.69035	.001	1
DCAL4	2500.0	2515.9	15.9	.636	3.2875	.004	1
DCAL5	5000.0	4954.0	-46.0	-.921	6.4731	.006	1
DCAL1	10.000	10.470	.470	4.70	.01389	.000	1



B 208.959 {461}

Date of Fit: 11/27/2012 12:28:05 Type of Fit: Linear Weighting: 1/Conc



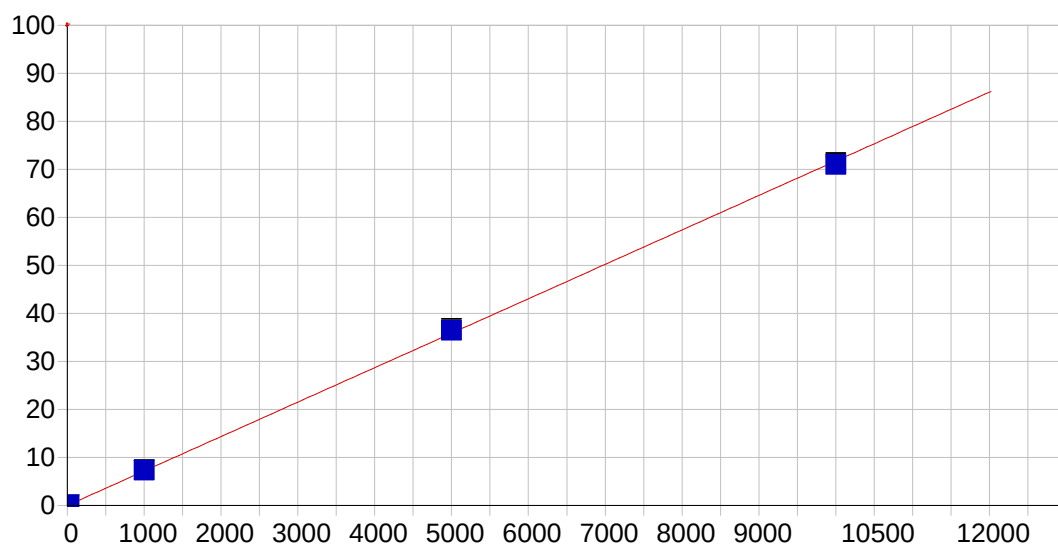


Sn 189.989 {477}

Date of Fit: 11/27/2012 12:28:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000232 Re-Slope: 1.000000
 A1 (Gain): 0.000179 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999806 Status: OK.
 Std Error of Est: 0.000057
 Predicted MDL: 1.377272
 Predicted MQL: 4.590906

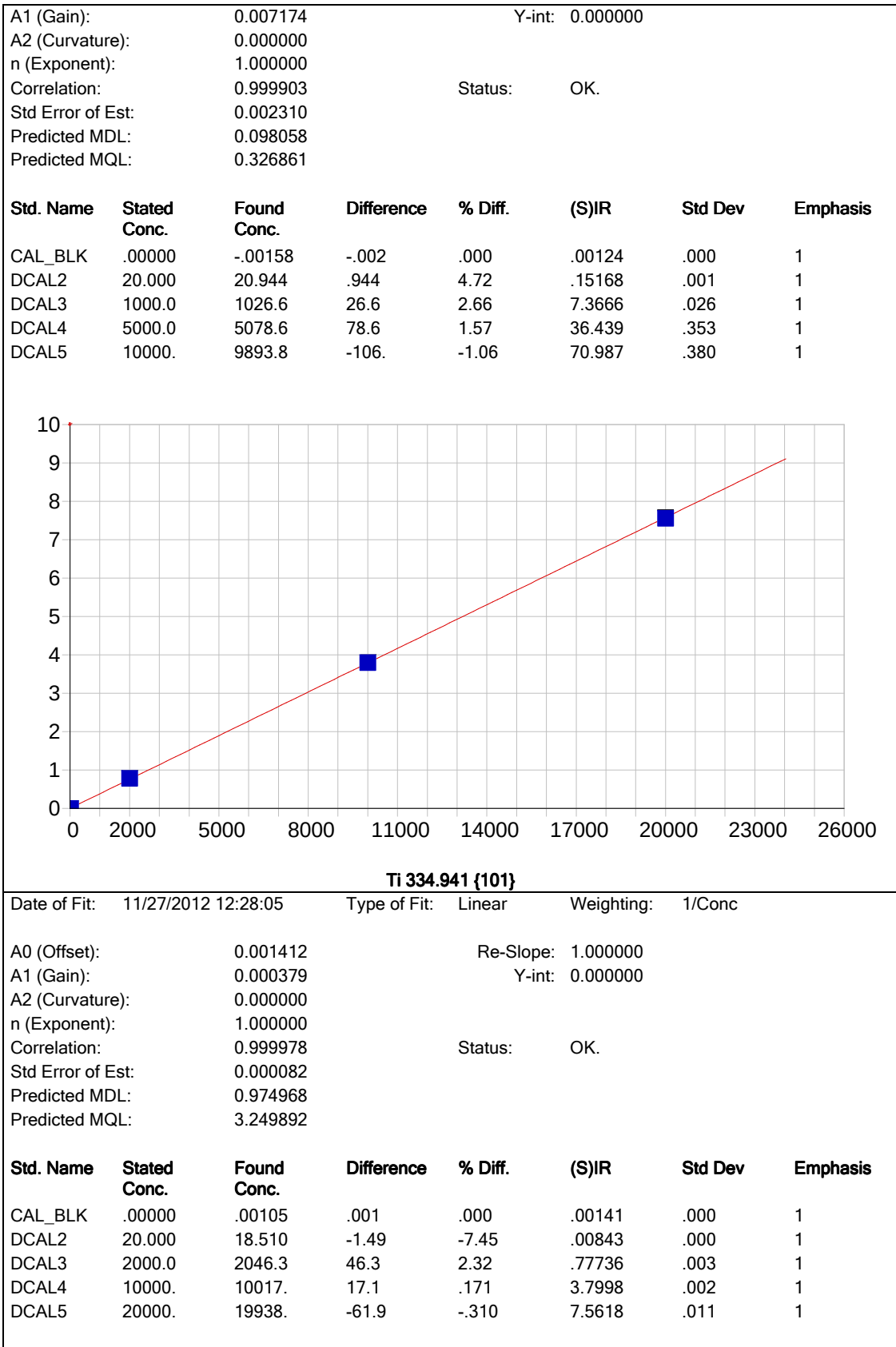
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00557	-.006	.000	.00023	.000	1
DCAL2	50.000	52.748	2.75	5.50	.00966	.000	1
DCAL3	200.00	211.76	11.8	5.88	.03761	.000	1
DCAL4	1000.0	1009.7	9.67	.967	.17836	.000	1
DCAL5	2000.0	1975.8	-24.2	-1.21	.34871	.001	1

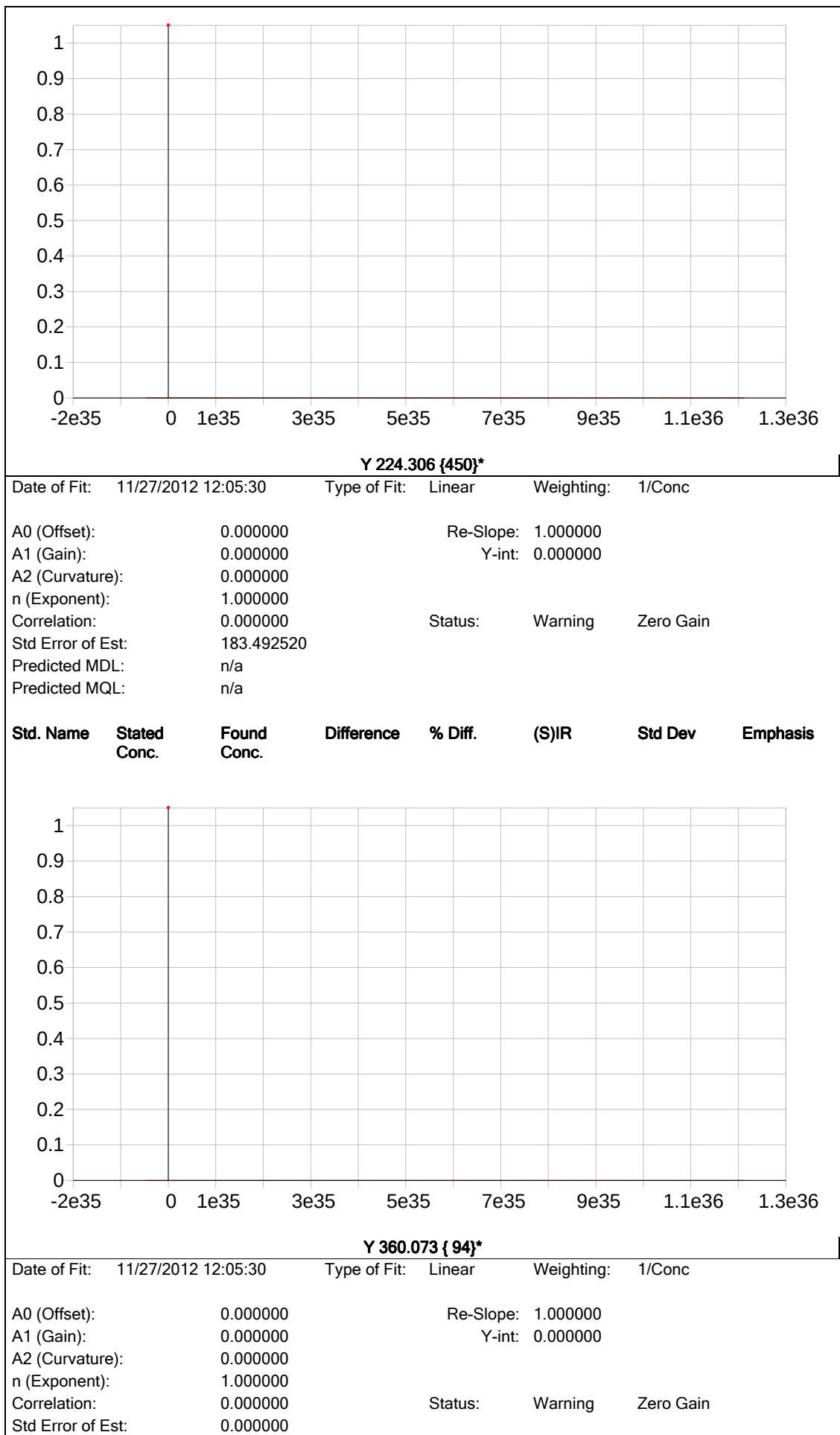


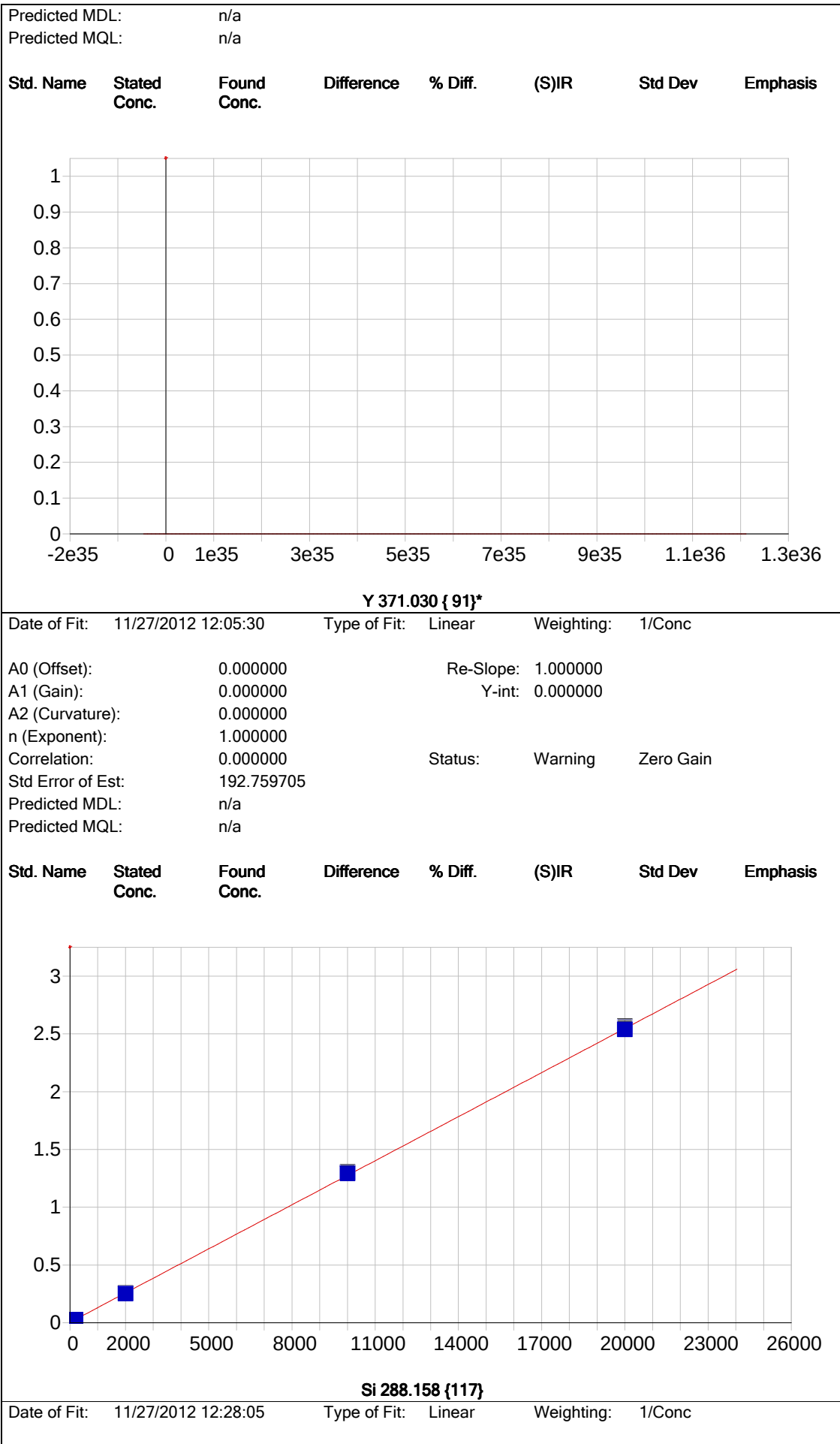
Sr 407.771 {83}

Date of Fit: 11/27/2012 12:28:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001253 Re-Slope: 1.000000







A0 (Offset):	0.004041	Re-Slope:	1.000000
A1 (Gain):	0.000127	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999942	Status:	OK.
Std Error of Est:	0.000143		
Predicted MDL:	13.414587		
Predicted MQL:	44.715289		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.01517	.015	.000	.00404	.002	1
DCAL2	200.00	187.81	-12.2	-6.09	.02794	.001	1
DCAL3	2000.0	1951.2	-48.8	-2.44	.25439	.001	1
DCAL4	10000.	10129.	129.	1.29	1.3031	.002	1
DCAL5	20000.	19932.	-67.7	-.339	2.5609	.004	1

Sample Name: CAL_BLK Acquired: 11/27/2012 12:06:20 Type: Cal
Method: SW_112612(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0051	.0001	-.0007	-.0001	.0005	.0006
Stddev	.0001	.0001	.0001	.0004	.0001	.0002
%RSD	2.070	98.81	22.83	298.0	17.55	33.25

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	-.0008	.0045	.0000	.0015	-.0002	-.0037
Stddev	.0004	.0002	.0001	.0001	.0000	.0008
%RSD	48.86	5.477	434.4	3.567	31.47	21.71

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	-.0000	.0011	.0002	-.0000	.0007
Stddev	.0000	.0000	.0009	.0002	.0002	.0002
%RSD	31.96	828.4	82.93	118.3	822.6	26.78

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0003	.0000	.0000	.0002	.0000	-.0002
Stddev	.0000	.0000	.0000	.0002	.0004	.0002
%RSD	13.20	118.6	93.22	112.0	1204.	76.38

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	.0012	.0014	.0040
Stddev	.0001	.0004	.0002	.0020
%RSD	31.52	28.46	14.51	50.39

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1948.8	33050.	10470.
Stddev	4.6	85.	25.
%RSD	.23783	.25603	.23837

Sample Name: DCAL1 Acquired: 11/27/2012 12:10:03 Type: Cal
Method: SW_112612(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu3247	Fe2714	Ni2316	Zn2062
Line	324.754 {104}	271.441 {124}	231.604 {446}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0027	.0007	.0040	.0139
Stddev	.0001	.0000	.0001	.0003
%RSD	3.965	1.536	2.852	1.822

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1975.2	33790.	10646.
Stddev	10.4	190.	64.
%RSD	.52733	.56285	.60217

Sample Name: DCAL2 Acquired: 11/27/2012 12:13:46 Type: Cal
Method: SW_112612(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0078	.0002	.0014	.1773	.0069	.1393
Stddev	.0002	.0001	.0001	.0004	.0002	.0001
%RSD	2.929	57.00	8.647	.2314	2.565	.0843

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.0080	.0658	.0010	.0049	.0013	.2098
Stddev	.0000	.0003	.0001	.0001	.0000	.0019
%RSD	.4716	.4450	5.898	2.877	3.092	.9101

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.0818	.0110	.9587	.0152	.0011	.0013
Stddev	.0002	.0000	.0028	.0004	.0003	.0004
%RSD	.2593	.3434	.2943	2.369	30.82	34.97

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	.0102	.0413	.0142	.0079
Stddev	.0001	.0001	.0001	.0004	.0000	.0004
%RSD	33.93	13.27	1.203	.8605	.2355	4.542

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	.0097	.1517	.0084	.0279
Stddev	.0002	.0009	.0002	.0009
%RSD	2.137	.5834	2.503	3.210

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1925.2	32716.	10515.
Stddev	2.8	96.	12.
%RSD	.14515	.29356	.11265

Sample Name: DCAL3 Acquired: 11/27/2012 12:17:28 Type: Cal
Method: SW_112612(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.410	.0277	.0495	1.762	.6408	.6815
Stddev	.006	.0006	.0002	.002	.0033	.0009
%RSD	.4093	2.082	.3089	.0825	.5115	.1358

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	.5404	.6116	.0973	.3577	.1619	.4217
Stddev	.0013	.0005	.0003	.0016	.0003	.0015
%RSD	.2465	.0880	.3398	.4366	.1622	.3471

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	.4042	.7085	4.753	.1833	.2792	.0156
Stddev	.0004	.0007	.008	.0003	.0007	.0000
%RSD	.1050	.1008	.1777	.1443	.2381	.3159

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	.0200	.0230	.1036	.6903	.0667	.2036
Stddev	.0003	.0001	.0001	.0011	.0001	.0004
%RSD	1.338	.4631	.1133	.1601	.1766	.2206

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	.0376	7.367	.7774	.2544
Stddev	.0004	.026	.0028	.0015
%RSD	1.131	.3538	.3563	.5814

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1897.1	31914.	10522.
Stddev	5.6	95.	28.
%RSD	.29316	.29878	.26958

Sample Name: DCAL4 Acquired: 11/27/2012 12:20:56 Type: Cal
Method: SW_112612(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.975	.1379	.2503	8.301	3.128	3.309
Stddev	.005	.0003	.0004	.009	.004	.005
%RSD	.0677	.2419	.1570	.1067	.1351	.1520

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	2.570	2.869	.4691	1.739	.7688	2.115
Stddev	.002	.006	.0009	.002	.0011	.003
%RSD	.0933	.1967	.1981	.0865	.1411	.1232

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	1.963	3.380	22.56	.8663	1.304	.0745
Stddev	.001	.004	.06	.0017	.002	.0004
%RSD	.0703	.1194	.2659	.1959	.1242	.5140

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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0990	.1030	.5035	3.287	.3235	.9874
Stddev	.0002	.0004	.0008	.004	.0011	.0011
%RSD	.2487	.3705	.1493	.1286	.3379	.1134

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	.1784	36.44	3.800	1.303
Stddev	.0004	.35	.002	.002
%RSD	.2165	.9686	.0620	.1849

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1794.8	29937.	10331.
Stddev	2.1	68.	15.
%RSD	.11825	.22635	.14771

Sample Name: DCAL5 Acquired: 11/27/2012 12:24:30 Type: Cal
Method: SW_112612(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	13.97	.2806	.5157	16.26	6.139	6.553
Stddev	.02	.0004	.0010	.00	.001	.016
%RSD	.1440	.1303	.1937	.0235	.0216	.2433

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	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	5.048	5.640	.9163	3.455	1.508	4.244
Stddev	.003	.003	.0015	.003	.004	.009
%RSD	.0524	.0569	.1609	.0806	.2347	.2031

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	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	3.885	6.582	42.98	1.701	2.521	.1500
Stddev	.008	.010	.43	.002	.001	.0006
%RSD	.1999	.1479	1.001	.1179	.0286	.4129

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	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1997	.1988	1.007	6.473	.6322	1.958
Stddev	.0001	.0006	.002	.006	.0010	.001
%RSD	.0445	.2924	.2218	.0962	.1528	.0595

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	.3487	70.99	7.562	2.561
Stddev	.0007	.38	.011	.004
%RSD	.2136	.5349	.1434	.1455

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1713.3	28775.	10253.
Stddev	1.9	93.	36.
%RSD	.10975	.32459	.35176

Sample Name: CCV Acquired: 11/27/2012 12:28:10 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124600.	2472.	1230.	10080.	993.3	125600.
Stddev	263.	7.	1.	11.	2.1	43.
%RSD	.2113	.2649	.0996	.1102	.2078	.0340

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.	2510.	5003.	12500.	100400.	49870.
Stddev	2.	2.	6.	17.	31.	88.
%RSD	.1551	.0625	.1248	.1393	.0311	.1765

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	124300.	5061.	128000.	2523.	7669.	991.1
Stddev	372.	1.	116.	6.	24.	3.0
%RSD	.2996	.0241	.0906	.2421	.3112	.3068

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2467.	2542.	2482.	2498.	998.1	2513.
Stddev	3.	9.	.	2.	3.2	5.
%RSD	.1316	.3483	.0134	.0929	.3161	.2161

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/27/2012 12:28:10 Type: QC
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1007.	5013.	10060.	9885.
Stddev	4.	42.	18.	69.
%RSD	.3493	.8292	.1780	.6989

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	1783.9	29868.	10295.
Stddev	3.2	47.	80.
%RSD	.17760	.15600	.77886

Sample Name: CCB Acquired: 11/27/2012 12:31:43 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.72	-2.059	-.4740	.5079	-.0132	5.543
Stddev	11.81	2.487	.9194	.3830	.1538	10.43
%RSD	54.40	120.8	194.0	75.41	1162.	188.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0809	.1158	.7255	-.9088	3.144	125.3
Stddev	.1117	.2612	1.264	1.808	3.962	56.9
%RSD	138.0	225.7	174.3	198.9	126.0	45.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.20	.5324	97.21	.8920	.9990	2.343
Stddev	8.71	.3272	35.12	.5213	2.767	2.052
%RSD	53.75	61.46	36.13	58.44	277.0	87.60

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-3.089	5.553	.5165	.2282	2.527	.3746
Stddev	5.996	2.109	.2397	.4007	1.243	.7295
%RSD	194.1	37.98	46.41	175.6	49.19	194.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/27/2012 12:31:43 Type: QC
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.044	.3437	-.4114	-6.012
Stddev	2.089	.3477	1.265	6.422
%RSD	200.1	101.1	307.4	106.8

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	1938.5	33313.	10533.
Stddev	.8	40.	11.
%RSD	.04038	.12106	.10626

Sample Name: IC5A 1817744 Acquired: 11/27/2012 12:35:27 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	508300.	3.443	-3.235	3.448	-.1562	503900.
Stddev	5170.	6.636	.842	.700	.0682	2064.
%RSD	1.017	192.8	26.03	20.30	43.65	.4097

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2755	-.2750	-.7591	1.397	197700.	221.4
Stddev	.3048	.1153	1.179	1.114	393.	69.5
%RSD	110.6	41.92	155.3	79.78	.1990	31.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	498800.	.8947	126.4	-1.199	.6556	-2.204
Stddev	1134.	.0817	8.1	1.376	3.113	6.898
%RSD	.2274	9.130	6.419	114.8	474.8	313.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -11.45	3.585	1.874	.2501	1.097	-1.433
Stddev	5.93	6.896	.328	.4318	1.499	1.170
%RSD	51.77	192.4	17.48	172.6	136.7	81.62

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.00					
Low Limit	-10.00					

Sample Name: IC5A 1817744 Acquired: 11/27/2012 12:35:27 Type: QC
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-2.455	-.2934	2.491	-20.34
Stddev	1.037	.0484	.180	10.21
%RSD	42.26	16.51	7.214	50.19

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	1726.3	28364.	10166.
Stddev	2.3	95.	20.
%RSD	.13440	.33661	.19463

Sample Name: ICSAB 1818548 Acquired: 11/27/2012 12:39:26 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	509300.	95.14	91.30	95.68	94.26	504000.
Stddev	2304.	10.66	1.63	.26	.19	2117.
%RSD	.4524	11.21	1.790	.2681	.1999	.4200

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	95.87	91.22	93.36	98.31	197800.	10520.
Stddev	.15	.08	1.00	.05	283.	49.
%RSD	.1577	.0860	1.071	.0509	.1429	.4631

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	497500.	97.89	11100.	90.97	95.23	91.78
Stddev	782.	.31	45.	2.49	4.16	4.95
%RSD	.1571	.3165	.4081	2.741	4.373	5.392

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	81.50	94.90	96.42	89.84	89.65	92.67
Stddev	.78	6.22	.90	.58	.70	.71
%RSD	.9579	6.551	.9289	.6495	.7797	.7695

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1818548 Acquired: 11/27/2012 12:39:26 Type: QC
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	82.74	91.47	96.93	63.11
Stddev	.88	.04	1.05	4.53
%RSD	1.059	.0477	1.087	7.181

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	1725.3	28314.	10099.
Stddev	5.1	104.	97.
%RSD	.29794	.36567	.95824

Sample Name: INT-10 1790436 Acquired: 11/27/2012 12:43:20 Type: QC

Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	133.0	-7.102	.1777	-2.106	2.516	37.74
Stddev	31.2	2.503	.8539	.088	.043	24.99
%RSD	23.49	35.24	480.5	4.201	1.712	66.22

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.254	10800.	9937.	1.158	66.01	120.1
Stddev	.107	14.	25.	1.203	14.78	14.3
%RSD	8.542	.1263	.2507	103.9	22.40	11.93

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.076	10290.	57.12	10880.	3.981	-4.235
Stddev	26.55	12.	17.37	8.	2.038	1.780
%RSD	437.0	.1137	30.41	.0710	51.20	42.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -14.30	12.93	4906.	-.2584	9.963	5072.
Stddev	1.23	.36	11.	.2826	.083	4.
%RSD	8.577	2.791	.2261	109.4	.8293	.0797

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.00					
Low Limit	-10.00					

Sample Name: INT-10 1790436 Acquired: 11/27/2012 12:43:20 Type: QC
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	10600.	10180.	9481.	9444.
Stddev	6.	166.	18.	89.
%RSD	.0525	1.633	.1936	.9375

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	1929.3	33279.	10634.
Stddev	3.0	86.	90.
%RSD	.15365	.25877	.84458

Sample Name: 460-47503-h-2-b du Acquired: 11/27/2012 12:47:04 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	80.23	1.929	-1.036	61.08	-.0828	114300.
Stddev	9.54	5.856	.269	.16	.0631	127.
%RSD	11.89	303.6	25.97	.2572	76.20	.1107

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1891	1.871	1.230	-1.747	40.01	20410.
Stddev	.2146	.416	.471	1.046	12.37	48.
%RSD	113.5	22.26	38.26	59.88	30.93	.2360

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23400.	735.9	211700.	7.752	4.051	2.986
Stddev	71.	1.2	1266.	.579	2.145	3.767
%RSD	.3037	.1564	.5982	7.472	52.96	126.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-3.171	.6333	.8989	10.28	140.1	15.75
Stddev	9.710	2.899	.9946	.09	.2	.46
%RSD	306.2	457.8	110.6	.9000	.1270	2.917

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47503-h-2-b du Acquired: 11/27/2012 12:47:04 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-2.037	738.3	6.593	9661.
Stddev	.379	2.4	1.340	47.
%RSD	18.58	.3186	20.32	.4833

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	1842.8	30538.	10591.
Stddev	5.3	236.	30.
%RSD	.28958	.77125	.28129

Sample Name: 460-47503-h-2-a Acquired: 11/27/2012 12:50:53 Type: Unk

Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	66.77	.7673	-1.503	61.57	-.0780	114400.
Stddev	2.43	2.488	.329	.40	.0620	124.
%RSD	3.637	324.2	21.90	.6468	79.59	.1081

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2382	1.643	-.0426	-1.325	41.63	20580.
Stddev	.1441	.497	.2515	2.386	15.32	12.
%RSD	60.51	30.24	590.1	180.1	36.80	.0584

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23330.	738.0	211700.	7.623	4.764	-3.533
Stddev	103.	1.3	2240.	.270	1.009	2.839
%RSD	.4409	.1781	1.058	3.547	21.19	80.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	4.701	7.163	.7019	10.06	140.6	16.03
Stddev	3.681	1.445	.1423	.18	1.2	.33
%RSD	78.30	20.17	20.27	1.742	.8614	2.075

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47503-h-2-a Acquired: 11/27/2012 12:50:53 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.623	741.1	4.782	9766.
Stddev	.569	.3	.727	10.
%RSD	35.02	.0453	15.20	.1053

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	1824.1	30490.	10543.
Stddev	9.9	148.	56.
%RSD	.54212	.48572	.53514

Sample Name: sd 460-47503-h-2-a@5 Acquired: 11/27/2012 12:54:42 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44.96	-.6726	.4147	12.01	-.1321	22250.
Stddev	7.79	1.409	.9623	.38	.0979	31.
%RSD	17.32	209.5	232.1	3.140	74.15	.1389

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1622	.4929	.4376	-1.603	18.56	4052.
Stddev	.2357	.2836	.6514	.985	10.27	21.
%RSD	145.3	57.53	148.8	61.44	55.30	.5173

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4620.	145.6	44970.	1.913	1.315	-.1464
Stddev	24.	.4	135.	.818	.332	2.454
%RSD	.5301	.2579	.3002	42.76	25.28	1676.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	3.550	5.998	.4741	2.625	27.59	3.250
Stddev	3.567	3.341	.0740	.084	.68	.103
%RSD	100.5	55.70	15.60	3.196	2.455	3.180

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-47503-h-2-a@5 Acquired: 11/27/2012 12:54:42 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.6032	146.4	.8433	1796.
Stddev	.4875	.5	.1903	13.
%RSD	80.81	.3381	22.57	.7259

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	1882.2	31822.	10426.
Stddev	3.7	196.	54.
%RSD	.19903	.61542	.52210

Sample Name: 460-47503-h-2-c ms Acquired: 11/27/2012 12:58:24 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2061.	2022.	49.01	2087.	50.43	131500.
Stddev	7.	6.	.54	2.	.13	228.
%RSD	.3209	.2837	1.093	.0848	.2544	.1731

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.65	507.5	203.2	247.4	1075.	39850.
Stddev	.07	1.0	.5	5.3	8.	143.
%RSD	.1383	.1887	.2253	2.149	.7113	.3583

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42680.	1230.	224900.	518.6	520.5	503.2
Stddev	72.	1.	1836.	1.1	2.7	3.5
%RSD	.1677	.0843	.8161	.2148	.5189	.6968

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	2053.	2082.	504.5	524.8	645.2	511.8
Stddev	6.	8.	.6	1.1	3.0	.2
%RSD	.2825	.3783	.1259	.2172	.4577	.0414

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47503-h-2-c ms Acquired: 11/27/2012 12:58:24 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	516.2	1202.	509.2	9555.
Stddev	2.0	5.	2.8	123.
%RSD	.3806	.4103	.5575	1.289

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	1800.5	30041.	10411.
Stddev	12.0	46.	122.
%RSD	.66542	.15354	1.1703

Sample Name: pds 460-47503-h-2-a Acquired: 11/27/2012 13:02:03 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2008.	1953.	47.42	2038.	48.76	132000.
Stddev	5.	1.	.56	5.	.37	430.
%RSD	.2570	.0391	1.184	.2351	.7567	.3257

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.47	495.1	196.8	241.3	1031.	39590.
Stddev	.02	1.4	2.4	3.6	21.	69.
%RSD	.0379	.2815	1.218	1.492	2.076	.1743

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42390.	1223.	227900.	504.2	506.5	495.5
Stddev	242.	3.	3876.	1.6	1.9	5.9
%RSD	.5707	.2851	1.701	.3208	.3740	1.199

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1994.	2019.	490.4	511.0	628.9	499.3
Stddev	2.	5.	1.3	.1	.5	.4
%RSD	.1053	.2271	.2681	.0115	.0727	.0781

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-47503-h-2-a Acquired: 11/27/2012 13:02:03 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	504.2	1195.	493.3	9673.
Stddev	4.1	2.	2.5	54.
%RSD	.8180	.2054	.5052	.5615

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	1778.5	29637.	10243.
Stddev	11.2	72.	34.
%RSD	.63015	.24365	.33556

Sample Name: 460-47503-h-1-a Acquired: 11/27/2012 13:05:44 Type: Unk

Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	63.83	1.166	.2017	53.62	-.1112	95760.
Stddev	3.86	.699	1.053	.38	.0733	227.
%RSD	6.045	59.91	522.1	.7116	65.96	.2370

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0770	.7454	-.4670	-.5277	45.19	21900.
Stddev	.2484	.3603	.4526	2.239	9.82	52.
%RSD	322.7	48.34	96.93	424.3	21.74	.2377

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17610.	537.2	160100.	1.876	2.996	1.687
Stddev	99.	.7	363.	2.001	2.607	4.194
%RSD	.5640	.1323	.2267	106.6	87.01	248.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	4.847	4.965	2.977	7.932	83.88	10.16
Stddev	5.500	5.119	.190	.126	1.41	.92
%RSD	113.5	103.1	6.370	1.592	1.683	9.024

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47503-h-1-a Acquired: 11/27/2012 13:05:44 Type: Unk
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.4113	577.1	6.761	10720.
Stddev	1.295	2.7	.939	39.
%RSD	314.9	.4694	13.88	.3640

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	1792.5	29982.	10131.
Stddev	6.1	314.	76.
%RSD	.33820	1.0470	.74681

Sample Name: lcs 460-137009/2-a Acquired: 11/27/2012 13:09:24 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2034.	1932.	49.43	2052.	49.66	F 20770.
Stddev	11.	4.	.31	1.	.18	39.
%RSD	.5349	.2291	.6348	.0583	.3653	.1868

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						2000.
Range						15.00%

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.00	516.6	203.0	248.3	1057.	19790.
Stddev	.31	.8	1.4	2.0	17.	40.
%RSD	.5965	.1587	.6808	.8138	1.576	.2028

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	20580.	520.9	21190.	522.3	540.1	493.1
Stddev	35.	.8	49.	1.3	2.2	1.5
%RSD	.1681	.1625	.2303	.2506	.4035	.3014

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	1994.	2257.	494.0	516.5	510.2	493.0
Stddev	2.	7.	1.2	1.3	1.6	1.1
%RSD	.0799	.3233	.2395	.2561	.3089	.2269

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-137009/2-a Acquired: 11/27/2012 13:09:24 Type: QC
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	525.5	481.8	495.0	31.83
Stddev	2.7	1.3	.8	7.06
%RSD	.5214	.2707	.1653	22.17

Check ?	Chk Pass	Chk Pass	Chk Pass	None
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	1871.0	31450.	10350.
Stddev	4.0	160.	76.
%RSD	.21547	.50714	.73896

Sample Name: CCV Acquired: 11/27/2012 13:12:58 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124900.	2471.	1233.	10150.	992.9	126500.
Stddev	294.	7.	2.	11.	1.3	366.
%RSD	.2354	.2852	.1632	.1065	.1267	.2893

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	1272.	2528.	5005.	12510.	101000.	50310.
Stddev	1.	3.	13.	30.	273.	87.
%RSD	.0850	.1031	.2598	.2392	.2707	.1736

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125200.	5092.	129100.	2540.	7752.	983.4
Stddev	463.	10.	143.	1.	12.	6.6
%RSD	.3693	.2059	.1110	.0214	.1511	.6670

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2478.	2568.	2493.	2521.	997.6	2532.
Stddev	4.	12.	5.	4.	3.9	1.
%RSD	.1532	.4684	.1863	.1521	.3872	.0503

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/27/2012 13:12:58 Type: QC
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1022.	5039.	10090.	9709.
Stddev	4.	35.	23.	46.
%RSD	.3474	.6867	.2300	.4697

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	1719.7	28798.	9742.2
Stddev	4.1	172.	15.0
%RSD	.23804	.59672	.15373

Sample Name: CCB Acquired: 11/27/2012 13:16:31 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	25.83	-4.935	-.1577	.6423	-.0999	-.5722
Stddev	20.14	.849	.6337	1.106	.0725	8.248
%RSD	77.97	17.21	401.9	172.2	72.51	1441.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0435	.4747	.3231	.2502	32.73	96.53
Stddev	.3146	.3263	1.308	4.733	17.73	41.37
%RSD	723.3	68.74	404.9	1892.	54.16	42.86

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.33	.4143	97.14	.3912	-.0538	-.4141
Stddev	3.69	.2514	48.71	.5639	1.136	3.075
%RSD	35.73	60.69	50.15	144.1	2111.	742.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-.7801	3.672	-.0286	.0972	2.229	.6629
Stddev	5.195	7.581	.0784	.0669	.405	.3477
%RSD	666.0	206.5	274.2	68.80	18.18	52.45

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/27/2012 13:16:31 Type: QC
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-2.179	.3622	-.1778	-3.356
Stddev	1.473	.4445	1.825	3.677
%RSD	67.62	122.7	1026.	109.6

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	1858.4	32091.	9933.0
Stddev	2.3	137.	49.0
%RSD	.12558	.42593	.49349

Sample Name: mb 460-137009/1-a Acquired: 11/27/2012 13:20:16 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.691	1.319	-.0532	.1693	-.0651	-6.802
Stddev	15.52	3.377	.4339	.2862	.1130	1.059
%RSD	232.0	256.1	815.7	169.0	173.5	15.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0936	.3065	.0630	-.3804	4.748	72.15
Stddev	.0935	.2479	.3866	3.872	11.34	28.40
%RSD	99.93	80.89	613.7	1018.	238.9	39.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.293	.2070	39.46	-.3717	-.5330	-.1117
Stddev	1.738	.0718	15.77	.6422	1.639	2.258
%RSD	52.77	34.67	39.98	172.8	307.4	2023.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -5.098	7.541	.0312	.0553	1.880	.0406
Stddev	1.960	5.307	.5538	.1535	.816	.3641
%RSD	38.44	70.37	1777.	277.6	43.39	896.1

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5.000					
Low Limit	-5.000					

Sample Name: mb 460-137009/1-a Acquired: 11/27/2012 13:20:16 Type: QC
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-2.263	.0333	-.3645	15.03
Stddev	1.333	.0775	.6571	10.28
%RSD	58.89	232.9	180.3	68.41

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	1937.6	33261.	10323.
Stddev	7.1	307.	68.
%RSD	.36413	.92442	.65988

Sample Name: 460-47503-h-3-a Acquired: 11/27/2012 13:23:59 Type: Unk

Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1626.	13.45	-8010	268.1	-1462	121800.
Stddev	14.	4.81	.2555	.5	.0473	238.
%RSD	.8778	35.81	31.89	.2028	32.36	.1952

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1990	2.859	25.92	9.586	11730.	23850.
Stddev	.1269	.450	1.73	1.875	36.	131.
%RSD	63.74	15.75	6.662	19.56	.3061	.5506

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34930.	2021.	F 282800.	7.776	4.292	3.176
Stddev	84.	3.	3902.	1.310	3.467	1.200
%RSD	.2405	.1635	1.379	16.84	80.78	37.78

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	-8520	4.183	5.321	530.9	243.2	7.880
Stddev	2.828	3.392	.055	.8	.2	.095
%RSD	331.9	81.10	1.031	.1428	.0863	1.211

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47503-h-3-a Acquired: 11/27/2012 13:23:59 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1.070	1670.	60.75	10560.
Stddev	2.067	6.	2.57	108.
%RSD	193.2	.3495	4.224	1.022

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	1779.3	29533.	10231.
Stddev	8.1	70.	65.
%RSD	.45276	.23596	.63082

Sample Name: 460-47486-a-1-a Acquired: 11/27/2012 13:27:44 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1031.	-.6872	.0114	9.466	-.0299	6949.
Stddev	13.	5.384	.7814	.357	.1014	29.
%RSD	1.275	783.4	6859.	3.777	338.9	.4132

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4839	.7812	5.946	22.19	3788.	2927.
Stddev	.0540	.0654	1.084	2.42	15.	31.
%RSD	11.16	8.377	18.24	10.89	.3938	1.061

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2317.	39.90	243200.	3.422	6.144	1.229
Stddev	18.	.31	1536.	.905	.263	.767
%RSD	.7824	.7850	.6316	26.44	4.288	62.48

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-4.955	2.135	7.563	84.84	110.9	1.958
Stddev	1.693	1.610	.583	.36	1.2	.456
%RSD	34.18	75.39	7.714	.4217	1.077	23.28

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47486-a-1-a Acquired: 11/27/2012 13:27:44 Type: Unk
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.8538	37.84	23.39	5844.
Stddev	.4493	.30	.33	81.
%RSD	52.62	.8021	1.418	1.386

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	1846.7	30890.	10588.
Stddev	4.2	147.	94.
%RSD	.22495	.47517	.88380

Sample Name: 460-47487-d-1-a Acquired: 11/27/2012 13:31:33 Type: Unk

Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11810.	21.59	-1.504	751.6	25.17	46610.
Stddev	19.	.85	.362	.4	.18	78.
%RSD	.1617	3.944	24.11	.0491	.6974	.1682

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.85	254.1	9.373	52.01	281.9	8520.
Stddev	.07	.7	.172	1.22	6.2	41.
%RSD	.2810	.2828	1.833	2.338	2.198	.4837

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37770.	450.5	228000.	442.4	34.51	-8.700
Stddev	31.	.3	4238.	1.0	1.57	3.704
%RSD	.0827	.0556	1.859	.2249	4.553	42.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-6.690	-6.360	-.1013	1605.	193.9	.3202
Stddev	1.745	2.778	.3633	3.	.7	.1538
%RSD	26.08	43.69	358.5	.1744	.3676	48.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47487-d-1-a Acquired: 11/27/2012 13:31:33 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.116	405.8	1.572	6848.
Stddev	.412	1.3	.378	110.
%RSD	36.94	.3127	24.02	1.599

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	3202.1	53331.	18842.
Stddev	9.7	309.	222.
%RSD	.30395	.57879	1.1773

Sample Name: 460-47492-a-5-a Acquired: 11/27/2012 13:35:16 Type: Unk

Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	160.1	-3.987	3.962	78.48	-.1148	39780.
Stddev	8.8	1.003	.892	.27	.0307	234.
%RSD	5.472	25.16	22.52	.3434	26.72	.5881

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4762	1.170	27.51	103.7	1866.	13890.
Stddev	.0909	.330	.62	2.4	14.	56.
%RSD	19.09	28.18	2.258	2.346	.7365	.4055

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7973.	36.41	F 561300.	63.96	6.641	3.405
Stddev	64.	.21	23890.	.77	1.641	3.570
%RSD	.8056	.5762	4.257	1.202	24.71	104.9

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	-4.411	1.451	1.876	419.3	487.0	316.8
Stddev	5.950	2.069	.319	2.1	3.6	1.6
%RSD	134.9	142.6	16.99	.5010	.7393	.5157

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47492-a-5-a Acquired: 11/27/2012 13:35:16 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	3.373	359.7	2.283	4898.
Stddev	1.124	1.0	.849	107.
%RSD	33.33	.2917	37.19	2.182

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	1797.0	29644.	11023.
Stddev	5.7	217.	266.
%RSD	.31780	.73338	2.4169

Sample Name: 460-47492-a-7-a Acquired: 11/27/2012 13:39:05 Type: Unk

Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	146.2	.4397	-1.434	304.8	-.1705	241000.
Stddev	8.4	.8704	.573	.6	.0862	377.
%RSD	5.740	198.0	39.95	.2082	50.52	.1564

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3242	.4611	.5633	63.17	449.3	38130.
Stddev	.1188	.1529	.7853	3.08	9.7	62.
%RSD	36.65	33.15	139.4	4.876	2.155	.1633

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38210.	22.36	F 696700.	6.579	2.412	-1.971
Stddev	58.	.19	6988.	1.887	.747	5.282
%RSD	.1519	.8465	1.003	28.69	30.95	268.0

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	8.047	-2.978	1.247	764.3	274.7	151.8
Stddev	4.558	3.118	.458	1.7	1.2	.8
%RSD	56.64	104.7	36.75	.2198	.4341	.5217

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47492-a-7-a Acquired: 11/27/2012 13:39:05 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.0786	2035.	13.57	4574.
Stddev	1.361	7.	.53	92.
%RSD	1731.	.3451	3.899	2.018

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	1700.7	28035.	10661.
Stddev	12.6	166.	201.
%RSD	.74327	.59193	1.8894

Sample Name: 460-47507-d-1-a Acquired: 11/27/2012 13:42:51 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3694.	2.505	-.1081	1561.	-.0448	217800.
Stddev	8.	1.194	1.054	2.	.1321	267.
%RSD	.2224	47.67	974.5	.1549	294.8	.1225

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4786	2.853	7.272	7.634	3332.	3680.
Stddev	.0989	.081	.756	2.080	15.	68.
%RSD	20.66	2.834	10.40	27.25	.4546	1.846

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22940.	1591.	60330.	13.54	6.411	-4.284
Stddev	57.	.	137.	.11	3.770	4.446
%RSD	.2506	.0188	.2263	.8029	58.81	103.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	7.693	2.242	6.924	303.2	53.03	1.971
Stddev	1.435	3.539	.181	1.1	1.05	.584
%RSD	18.66	157.8	2.613	.3584	1.976	29.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47507-d-1-a Acquired: 11/27/2012 13:42:51 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-2.497	3061.	70.22	14230.
Stddev	.874	5.	.65	33.
%RSD	34.99	.1625	.9263	.2304

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	1884.9	32211.	11221.
Stddev	5.7	101.	69.
%RSD	.30122	.31351	.61570

Sample Name: 460-47507-d-2-a Acquired: 11/27/2012 13:46:29 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9806.	.5507	.1422	1189.	.5557	227200.
Stddev	26.	6.296	1.208	1.	.0832	356.
%RSD	.2603	1143.	849.2	.0426	14.96	.1568

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5803	11.51	139.7	18.68	9750.	4892.
Stddev	.0167	.30	.6	2.25	6.	7.
%RSD	2.882	2.579	.3965	12.06	.0609	.1436

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24170.	2957.	63230.	123.4	10.93	-6.249
Stddev	55.	3.	32.	.7	2.38	.983
%RSD	.2258	.1020	.0513	.5413	21.72	15.74

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	12.37	.9715	14.84	2252.	61.05	13.22
Stddev	9.91	2.256	.24	3.	.73	.58
%RSD	80.12	232.3	1.608	.1233	1.203	4.414

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47507-d-2-a Acquired: 11/27/2012 13:46:29 Type: Unk
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.5289	1186.	110.6	F 22100.
Stddev	1.941	5.	1.9	77.
%RSD	366.9	.4071	1.705	.3497

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1904.5	32406.	11286.
Stddev	4.2	74.	78.
%RSD	.22116	.22782	.69122

Sample Name: 460-46726-a-7-a@10 Acquired: 11/27/2012 13:50:06 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	80.41	-3.388	2.919	3.652	-.2017	6103.
Stddev	8.22	4.059	.268	.041	.0133	5.
%RSD	10.23	119.8	9.171	1.117	6.574	.0892

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2368	2.253	3.188	-.3607	228.8	35230.
Stddev	.0720	.084	.220	.9312	12.1	61.
%RSD	30.40	3.708	6.902	258.2	5.296	.1720

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2329.	5.777	27030.	10.28	.8038	-.5781
Stddev	4.	.138	15.	.94	.7204	2.596
%RSD	.1611	2.379	.0568	9.111	89.63	449.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1.490	4.062	.1442	5.824	110.8	13.16
Stddev	3.065	3.002	.1043	.126	1.5	.38
%RSD	205.7	73.90	72.30	2.162	1.331	2.858

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46726-a-7-a@10 Acquired: 11/27/2012 13:50:06 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	- .8103	17.79	- .7403	1014.
Stddev	.2986	.13	.9511	8.
%RSD	36.85	.7305	128.5	.8378

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	2048.3	35163.	11835.
Stddev	5.5	76.	50.
%RSD	.26972	.21487	.42518

Sample Name: 460-46859-d-4-a@2 Acquired: 11/27/2012 13:53:48 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23890.	14.23	-7.553	109.1	2.055	8327.
Stddev	45.	4.40	.5026	.3	.046	22.
%RSD	.1902	30.95	66.54	.3026	2.217	.2647

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7594	13.71	121.1	12.46	104500.	3305.
Stddev	.2284	.37	2.0	1.86	271.	11.
%RSD	30.07	2.714	1.625	14.88	.2596	.3399

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3809.	873.9	145500.	24.03	8.893	-3.531
Stddev	11.	1.5	272.	.68	1.297	2.373
%RSD	.2843	.1747	.1870	2.844	14.58	67.21

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -21.01	4.822	261.7	112.7	141.1	-1.891
Stddev	1.10	6.879	1.1	.0	2.2	.375
%RSD	5.229	142.7	.4015	.0259	1.542	19.83

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5000.					
Low Limit	-10.00					

Sample Name: 460-46859-d-4-a@2 Acquired: 11/27/2012 13:53:48 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1.036	26.71	113.4	F 24710.
Stddev	.909	.15	1.7	133.
%RSD	87.74	.5505	1.464	.5392

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	1960.4	33254.	11479.
Stddev	3.5	147.	71.
%RSD	.17733	.44057	.62287

Sample Name: CCV Acquired: 11/27/2012 13:57:28 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124400.	2510.	1227.	10170.	989.7	124000.
Stddev	289.	9.	1.	4.	4.0	193.
%RSD	.2321	.3396	.0905	.0375	.4067	.1557

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1270.	2532.	4929.	12530.	99660.	50230.
Stddev	1.	3.	3.	24.	188.	117.
%RSD	.0587	.1276	.0604	.1892	.1883	.2336

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.	5042.	127800.	2538.	7688.	1010.
Stddev	247.	5.	79.	6.	6.	1.
%RSD	.2027	.0898	.0619	.2537	.0756	.0685

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2523.	2544.	2477.	2482.	1009.	2548.
Stddev	5.	9.	2.	3.	1.	1.
%RSD	.2178	.3695	.0804	.1045	.0818	.0436

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/27/2012 13:57:28 Type: QC
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1012.	5068.	10120.	10260.
Stddev	1.	61.	32.	56.
%RSD	.0543	1.209	.3188	.5504

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	1822.9	31067.	11030.
Stddev	5.1	185.	64.
%RSD	.28228	.59668	.57613

Sample Name: CCB Acquired: 11/27/2012 14:01:02 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40.75	-.6722	.4647	.5270	-.0132	1.307
Stddev	12.56	2.469	.6560	.1599	.0362	6.388
%RSD	30.83	367.4	141.2	30.35	274.9	488.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1391	.0723	.5439	-1.321	8.677	79.88
Stddev	.1955	.2842	.7742	.858	11.80	17.36
%RSD	140.6	393.3	142.3	64.95	136.0	21.73

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.372	.4504	124.7	.2030	2.496	1.732
Stddev	4.340	.1712	35.7	.6423	1.958	1.548
%RSD	58.87	38.00	28.59	316.4	78.43	89.41

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-3.963	5.733	.0047	.2999	1.883	1.118
Stddev	2.835	.447	.5169	.1851	.491	.377
%RSD	71.53	7.791	11030.	61.71	26.10	33.69

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/27/2012 14:01:02 Type: QC
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-2.217	.3321	-.9838	-10.46
Stddev	.582	.3823	.6385	8.80
%RSD	26.25	115.1	64.90	84.14

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	1990.7	34772.	11237.
Stddev	2.3	232.	71.
%RSD	.11561	.66702	.63343

Sample Name: 460-46859-d-5-a@2 Acquired: 11/27/2012 14:04:47 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1408.	5.641	-.0710	23.92	.0506	5368.
Stddev	3.	1.633	.8400	.16	.0653	3.
%RSD	.1974	28.95	1184.	.6807	129.0	.0613

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7757	5.644	10.84	.2447	11550.	1223.
Stddev	.0878	.202	1.03	1.601	33.	48.
%RSD	11.32	3.571	9.476	654.1	.2886	3.896

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	878.6	438.3	137000.	3.096	1.300	-2.287
Stddev	5.9	.3	578.	.492	1.982	2.162
%RSD	.6695	.0681	.4221	15.88	152.5	94.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	.1823	.1500	17.69	46.39	129.3	.2688
Stddev	7.931	2.383	.32	.30	1.3	.5175
%RSD	4351.	1589.	1.790	.6548	.9875	192.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46859-d-5-a@2 Acquired: 11/27/2012 14:04:47 Type: Unk
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.0230	20.05	32.21	3658.
Stddev	1.353	.02	.63	9.
%RSD	5882.	.1097	1.955	.2538

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	1942.3	33052.	11440.
Stddev	6.4	109.	38.
%RSD	.33067	.32893	.33354

Sample Name: 460-46388-g-1-b@3 Acquired: 11/27/2012 14:08:27 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32.02	-3.850	-1.276	140.4	-.4983	16850.
Stddev	13.96	2.204	.058	.3	.1325	33.
%RSD	43.61	57.25	4.581	.2489	26.60	.1957

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1767	31.32	-.4591	-.3724	20.58	1209.
Stddev	.0850	.65	.5743	2.795	4.65	27.
%RSD	48.12	2.081	125.1	750.4	22.59	2.207

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7615.	9460.	35880.	.2983	1.977	-2.565
Stddev	22.	5.	61.	.4062	.391	4.344
%RSD	.2849	.0509	.1707	136.2	19.78	169.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-5.331	4.489	.1598	1.972	45.70	1.463
Stddev	3.860	7.537	.3618	.169	.92	.418
%RSD	72.41	167.9	226.4	8.553	2.023	28.61

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46388-g-1-b@3 Acquired: 11/27/2012 14:08:27 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.958	187.0	-.9331	2160.
Stddev	1.532	.6	.2080	5.
%RSD	78.23	.3065	22.30	.2367

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	1956.4	33663.	11375.
Stddev	2.1	51.	31.
%RSD	.10585	.15167	.27221

Sample Name: 460-46388-e-2-e@3 Acquired: 11/27/2012 14:12:09 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46.87	-.1728	-.3406	77.65	-.4950	7935.
Stddev	.56	6.075	.3768	.34	.0645	18.
%RSD	1.193	3516.	110.6	.4409	13.04	.2220

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0202	43.12	-1.787	-1.872	824.8	870.2
Stddev	.1891	.48	.813	1.674	6.7	10.9
%RSD	935.8	1.104	45.50	89.42	.8129	1.250

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5538.	9694.	15470.	.1429	2.188	1.056
Stddev	37.	10.	31.	.7312	2.671	3.036
%RSD	.6690	.1076	.1986	511.9	122.1	287.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-4.045	-1.116	.4014	.8857	2.215	1.114
Stddev	6.309	2.113	.2298	.1180	.351	.249
%RSD	156.0	189.3	57.26	13.32	15.87	22.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46388-e-2-e@3 Acquired: 11/27/2012 14:12:09 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.686	81.69	-.4466	1096.
Stddev	.318	.24	1.020	7.
%RSD	18.83	.2933	228.3	.6773

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	1978.0	34171.	11370.
Stddev	6.1	78.	43.
%RSD	.30796	.22929	.37433

Sample Name: 460-46388-e-3-e Acquired: 11/27/2012 14:15:50 Type: Unk

Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42.79	-.7139	-.0398	262.9	.0080	18680.
Stddev	8.16	.1503	.2486	.7	.1049	53.
%RSD	19.07	21.05	625.0	.2760	1315.	.2830

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2097	22.14	7.508	-1.913	1204.	2124.
Stddev	.0228	.55	.460	2.578	10.	15.
%RSD	10.85	2.490	6.123	134.8	.8646	.6885

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6714.	2112.	23210.	6.735	1.898	-.7061
Stddev	14.	5.	33.	.836	.751	3.125
%RSD	.2094	.2367	.1431	12.41	39.58	442.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-4.297	1.957	.2357	9.777	12.85	.5212
Stddev	4.704	.399	.1651	.161	.78	.4158
%RSD	109.5	20.36	70.04	1.649	6.098	79.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46388-e-3-e Acquired: 11/27/2012 14:15:50 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.342	176.2	.4959	7224.
Stddev	.899	.4	.4651	24.
%RSD	66.96	.2278	93.80	.3296

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	1966.4	33991.	11386.
Stddev	1.5	139.	55.
%RSD	.07676	.40909	.47936

Sample Name: 460-45627-a-7-f du@5 Acquired: 11/27/2012 14:19:29 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	220.7	-1.491	.0141	247.0	-.0181	79300.
Stddev	13.2	5.614	.3151	.6	.0949	306.
%RSD	5.969	376.4	2239.	.2294	523.4	.3861

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.46	5.515	.6294	133.6	833.5	2382.
Stddev	.13	.224	.4439	1.6	6.9	53.
%RSD	1.173	4.064	70.54	1.225	.8272	2.226

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2423.	971.4	F 275500.	28.30	861.1	2.068
Stddev	18.	2.6	2168.	.50	1.0	1.973
%RSD	.7611	.2704	.7870	1.772	.1181	95.40

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	-2.607	3.017	.6714	1373.	312.2	.7725
Stddev	4.806	1.432	.2351	1.	.8	.4130
%RSD	184.3	47.45	35.02	.1070	.2691	53.46

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-45627-a-7-f du@5 Acquired: 11/27/2012 14:19:29 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.2371	281.2	4.094	5638.
Stddev	1.450	.5	.652	63.
%RSD	611.5	.1776	15.94	1.112

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	1839.5	30896.	10950.
Stddev	12.6	387.	220.
%RSD	.68534	1.2535	2.0088

Sample Name: 460-45627-a-7-e@5 Acquired: 11/27/2012 14:23:16 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	189.2	-.6674	.0444	231.1	-.0622	74480.
Stddev	9.8	3.774	.4108	.2	.0320	155.
%RSD	5.202	565.5	924.6	.0911	51.54	.2077

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.58	5.045	-.1883	126.9	790.0	2258.
Stddev	.17	.177	.8521	1.0	11.3	26.
%RSD	1.636	3.515	452.4	.8164	1.435	1.138

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2298.	913.0	F 260700.	26.70	807.4	.7544
Stddev	4.	.4	2728.	.51	3.8	4.488
%RSD	.1939	.0438	1.046	1.925	.4700	594.9

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	3.770	4.130	.3720	1293.	294.3	-.0590
Stddev	1.295	3.088	.3751	4.	2.0	.9353
%RSD	34.36	74.78	100.8	.3218	.6812	1585.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-45627-a-7-e@5 Acquired: 11/27/2012 14:23:16 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.5757	264.4	3.367	5255.
Stddev	1.527	1.3	1.104	37.
%RSD	265.3	.5011	32.79	.7000

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	1839.8	30992.	10879.
Stddev	12.0	60.	86.
%RSD	.65379	.19269	.79414

Sample Name: sd 460-45627-a-7-e@2 Acquired: 11/27/2012 14:27:03 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	60.96	-.5902	-.1375	45.91	-.0651	14430.
Stddev	9.03	2.131	.6816	.43	.0950	35.
%RSD	14.81	361.1	495.9	.9287	145.9	.2407

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.129	1.120	.4110	24.40	151.1	420.1
Stddev	.085	.401	1.314	1.78	4.6	15.4
%RSD	4.005	35.84	319.6	7.313	3.041	3.655

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	459.7	178.7	55850.	5.541	162.7	-.8647
Stddev	4.4	.8	152.	.489	2.5	5.153
%RSD	.9567	.4474	.2723	8.820	1.545	595.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-5.886	-.0903	-.3855	250.9	57.96	.2331
Stddev	2.874	4.966	.5887	.7	1.89	.3490
%RSD	48.83	5500.	152.7	.2730	3.262	149.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-45627-a-7-e@2 Acquired: 11/27/2012 14:27:03 Type: Unk
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.425	52.12	-.9046	971.3
Stddev	.248	.08	.2285	14.4
%RSD	17.39	.1461	25.26	1.482

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	1918.3	32750.	10902.
Stddev	8.5	159.	154.
%RSD	.44096	.48505	1.4137

Sample Name: 460-45627-a-7-g.ms@5 Acquired: 11/27/2012 14:30:43 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1301.	1141.	107.5	2524.	220.5	80550.
Stddev	17.	4.	.6	4.	.7	139.
%RSD	1.332	.3751	.5884	.1651	.3282	.1725

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	244.8	235.4	1114.	359.6	1027.	6740.
Stddev	.6	.4	5.	2.4	15.	33.
%RSD	.2491	.1505	.4499	.6669	1.422	.4919

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6618.	1162.	F 269700.	261.1	1988.	225.5
Stddev	6.	1.	3595.	1.2	10.	2.6
%RSD	.0936	.0891	1.333	.4656	.5036	1.135

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	228.9	230.9	113.8	1549.	525.5	231.3
Stddev	10.9	5.6	.7	4.	1.3	.7
%RSD	4.765	2.406	.6165	.2292	.2532	.3127

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-45627-a-7-g ms@5 Acquired: 11/27/2012 14:30:43 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	237.6	489.4	232.5	5458.
Stddev	.9	.5	.8	85.
%RSD	.3609	.1014	.3397	1.561

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	1833.8	30882.	10867.
Stddev	5.2	253.	148.
%RSD	.28476	.81873	1.3573

Sample Name: pds 460-45627-a-7-e@ Acquired: 11/27/2012 14:34:23 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2151.	1938.	46.91	2224.	48.50	105900.
Stddev	18.	6.	.75	2.	.17	341.
%RSD	.8157	.3140	1.600	.0831	.3588	.3220

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	61.78	493.5	194.5	388.1	1890.	21970.
Stddev	.23	1.0	1.6	2.1	16.	110.
%RSD	.3708	.1938	.8032	.5347	.8339	.4985

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21040.	1548.	F 312300.	521.6	1415.	494.0
Stddev	128.	5.	2530.	2.9	6.	2.5
%RSD	.6100	.3412	.8101	.5465	.4401	.4975

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	1986.	1964.	487.8	1969.	821.8	481.1
Stddev	4.	11.	2.9	6.	4.0	1.4
%RSD	.2241	.5650	.6004	.3240	.4830	.3003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-45627-a-7-e@ Acquired: 11/27/2012 14:34:23 Type: Unk
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	495.2	774.9	493.4	6260.
Stddev	3.3	2.3	3.4	40.
%RSD	.6663	.3023	.6915	.6385

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	1822.2	30576.	10831.
Stddev	2.7	46.	76.
%RSD	.14583	.15063	.69773

Sample Name: lcs 460-137072/2-a Acquired: 11/27/2012 14:38:02 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5543.	5452.	527.0	11250.	1086.	22070.
Stddev	21.	12.	.2	11.	3.	30.
%RSD	.3744	.2227	.0360	.0980	.2708	.1367

Check ?	None	Chk Pass	None	None	None	None
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	1142.	1155.	5446.	1106.	1135.	21870.
Stddev	.	.	5.	5.	11.	103.
%RSD	.0342	.0370	.0851	.4255	1.001	.4690

Check ?	None	None	Chk Pass	Chk Pass	None	None
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	21820.	1137.	23470.	1169.	5873.	1101.
Stddev	68.	2.	68.	1.	6.	2.
%RSD	.3123	.1768	.2895	.0599	.1005	.2097

Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

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	1077.	1212.	550.1	1117.	1105.	1137.
Stddev	3.	9.	2.3	1.	5.	2.
%RSD	.3170	.7528	.4207	.1323	.4669	.1470

Check ?	Chk Pass	None	None	Chk Pass	None	None
Value						
Range						

Sample Name: lcs 460-137072/2-a Acquired: 11/27/2012 14:38:02 Type: QC
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1189.	1099.	1120.	-8.929
Stddev	2.	3.	2.	24.68
%RSD	.2076	.2453	.1558	276.4

Check ?	None	None	None	None
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	1894.2	32535.	10780.
Stddev	1.7	88.	78.
%RSD	.09161	.26957	.72703

Sample Name: CCV Acquired: 11/27/2012 14:41:30 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124800.	2478.	1231.	10160.	987.3	125500.
Stddev	292.	10.	2.	13.	2.2	81.
%RSD	.2341	.4193	.1769	.1273	.2223	.0648

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1271.	2527.	4967.	12510.	100300.	50280.
Stddev	2.	3.	6.	32.	80.	100.
%RSD	.1550	.1121	.1167	.2564	.0802	.1993

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	123200.	5068.	128700.	2540.	7732.	998.3
Stddev	108.	5.	63.	3.	15.	3.4
%RSD	.0875	.1016	.0490	.1019	.1878	.3437

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2490.	2543.	2486.	2505.	1004.	2541.
Stddev	9.	8.	3.	1.	3.	7.
%RSD	.3782	.3225	.1174	.0510	.2740	.2806

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/27/2012 14:41:30 Type: QC
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1018.	5006.	10090.	9945.
Stddev	4.	25.	22.	4.
%RSD	.3810	.5050	.2157	.0391

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	1767.5	29980.	10371.
Stddev	5.1	25.	37.
%RSD	.28934	.08501	.36147

Sample Name: CCB Acquired: 11/27/2012 14:45:03 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.44	1.119	.8900	.5463	-.1564	1.496
Stddev	20.34	1.749	.4537	.4634	.2018	8.701
%RSD	94.91	156.4	50.98	84.84	129.1	581.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2340	.1793	.3436	-1.862	23.14	75.13
Stddev	.1345	.2126	.3753	.646	7.15	49.16
%RSD	57.50	118.6	109.2	34.70	30.90	65.43

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.823	.4627	128.3	-.2509	2.927	4.227
Stddev	3.190	.2491	44.8	.4211	.402	2.998
%RSD	40.78	53.83	34.93	167.8	13.74	70.92

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-6.746	3.836	.0808	.3425	3.286	.5906
Stddev	5.302	3.827	.4395	.4152	1.828	.3734
%RSD	78.59	99.76	543.9	121.2	55.64	63.22

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/27/2012 14:45:03 Type: QC
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-2.226	.3775	.7561	-5.972
Stddev	1.223	.3466	.7597	8.186
%RSD	54.92	91.82	100.5	137.1

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	1915.8	33116.	10363.
Stddev	2.7	82.	16.
%RSD	.14097	.24825	.15790

Sample Name: mb 460-137072/1-a Acquired: 11/27/2012 14:48:48 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.09	.9514	-.9391	.0856	-.1183	2.600
Stddev	21.67	2.077	.3786	.2978	.0797	4.008
%RSD	119.8	218.3	40.32	347.7	67.39	154.1

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	.2083	.0198	.8654	2.443	1.662	50.54
Stddev	.0415	.5192	.7112	2.064	10.53	31.77
%RSD	19.92	2626.	82.18	84.48	633.4	62.87

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	4.732	.2135	69.18	.9877	.1340	1.044
Stddev	2.091	.0623	8.48	.2556	.4205	2.689
%RSD	44.18	29.18	12.26	25.88	313.7	257.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -6.134	1.696	-.6194	.8855	7.112	.3282
Stddev	2.790	4.154	.4886	.2812	1.095	.3802
%RSD	45.48	244.9	78.89	31.76	15.40	115.9

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5.000					
Low Limit	-5.000					

Sample Name: mb 460-137072/1-a Acquired: 11/27/2012 14:48:48 Type: QC
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.873	.0316	-1.060	39.99
Stddev	.653	.0571	.370	20.68
%RSD	34.87	180.5	34.91	51.71

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	1951.5	33824.	10585.
Stddev	3.4	44.	15.
%RSD	.17350	.12892	.14591

Sample Name: lb 460-136921/1-b@5 Acquired: 11/27/2012 14:52:31 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.10	-1.876	.4337	-.2209	-.0866	-2.998
Stddev	9.99	3.694	.7576	.3754	.0400	5.470
%RSD	58.44	196.9	174.7	170.0	46.15	182.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0678	-.1289	-.1618	-1.246	14.57	28.77
Stddev	.0494	.0391	.2709	1.919	7.72	6.79
%RSD	72.86	30.32	167.5	154.1	53.02	23.59

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	3.914	.1387	65.79	.0156	.8433	-.4258
Stddev	6.845	.0811	8.84	1.410	1.587	1.280
%RSD	174.9	58.45	13.44	9048.	188.3	300.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-6.766	5.708	-.3259	.4518	251.8	.4904
Stddev	2.551	1.539	.7794	.2933	3.5	.3780
%RSD	37.71	26.96	239.2	64.91	1.379	77.09

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lb 460-136921/1-b@5 Acquired: 11/27/2012 14:52:31 Type: Unk
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-2.213	-.0550	-1.066	3942.
Stddev	.828	.0898	.410	12.
%RSD	37.40	163.3	38.44	.2989

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	1950.7	33646.	10554.
Stddev	5.3	48.	19.
%RSD	.27035	.14375	.18402

Sample Name: lb 460-136762/1-g@5 Acquired: 11/27/2012 14:56:14 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.00	-5.909	.2969	26.34	-.0629	176.1
Stddev	9.56	1.999	.2959	.61	.0762	.7
%RSD	19.13	33.83	99.65	2.308	121.2	.3985

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1216	-.1994	-.3715	-.8666	17.59	203.7
Stddev	.0800	.4594	.6753	3.652	12.50	54.4
%RSD	65.82	230.4	181.8	421.4	71.04	26.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27.66	.2961	F 265300.	2.155	.6778	-1.006
Stddev	1.19	.0785	7328.	1.448	2.716	5.625
%RSD	4.316	26.53	2.762	67.19	400.8	559.2

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	-1.458	1.927	-.3503	6.153	247.4	-.3223
Stddev	2.978	2.115	.4067	.225	.2	.7712
%RSD	204.2	109.8	116.1	3.663	.0931	239.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lb 460-136762/1-g@5 Acquired: 11/27/2012 14:56:14 Type: Unk
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.1319	.6050	-.7331	3400.
Stddev	.6564	.0259	.7566	15.
%RSD	497.6	4.276	103.2	.4348

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	1828.6	30403.	10490.
Stddev	11.5	183.	87.
%RSD	.63048	.60051	.82986

Sample Name: lb 460-136965/1-b@5 Acquired: 11/27/2012 15:00:05 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30.23	-1.339	-.6809	45.54	-.0579	369.7
Stddev	5.37	3.540	.5550	.35	.1188	2.0
%RSD	17.77	264.4	81.51	.7612	205.0	.5278

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2968	.3296	-.3108	7.428	10.18	264.5
Stddev	.0320	.2672	.7753	.614	12.74	22.4
%RSD	10.77	81.06	249.5	8.260	125.1	8.476

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	60.50	1.472	F 253900.	1.739	5.707	-.1242
Stddev	2.89	.064	5868.	.660	2.503	3.932
%RSD	4.779	4.335	2.311	37.95	43.86	3165.

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	-2.992	2.853	-.1599	11.76	251.0	2.054
Stddev	4.074	5.326	.2418	.16	.8	.488
%RSD	136.2	186.7	151.3	1.336	.3332	23.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lb 460-136965/1-b@5 Acquired: 11/27/2012 15:00:05 Type: Unk
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.1696	1.469	-1.293	3399.
Stddev	.4185	.058	.750	57.
%RSD	246.7	3.934	58.04	1.677

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	1853.8	30785.	10729.
Stddev	12.3	67.	106.
%RSD	.66362	.21632	.98363

Sample Name: 460-47326-a-1-d@5 Acquired: 11/27/2012 15:03:56 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	98.96	-.7049	-.6514	32.63	-.1139	160100.
Stddev	10.17	3.309	.4561	.28	.1194	214.
%RSD	10.27	469.3	70.01	.8530	104.8	.1334

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2230	.5171	7.532	3.982	21.78	3736.
Stddev	.1689	.5579	.378	2.507	12.18	23.
%RSD	75.72	107.9	5.024	62.97	55.95	.6143

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2602.	.9041	F 289700.	1.818	3.853	13.22
Stddev	15.	.1067	4320.	.634	.674	4.23
%RSD	.5851	11.80	1.491	34.90	17.49	32.02

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	26.98	.7825	4.476	9.415	237.2	2.079
Stddev	4.97	3.361	.668	.136	.8	.415
%RSD	18.43	429.5	14.93	1.443	.3473	19.95

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47326-a-1-d@5 Acquired: 11/27/2012 15:03:56 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.2062	339.3	8.294	8178.
Stddev	.2782	.5	.650	16.
%RSD	134.9	.1380	7.842	.1948

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	1788.6	30034.	10608.
Stddev	3.7	65.	30.
%RSD	.20444	.21767	.28207

Sample Name: 460-46953-a-7-b@5 Acquired: 11/27/2012 15:07:46 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	162.6	-.5404	-.3609	147.7	.0134	35110.
Stddev	14.0	5.258	.9313	.7	.0746	66.
%RSD	8.594	973.0	258.1	.4516	554.7	.1888

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9275	3.132	-.7537	3.806	1225.	719.9
Stddev	.1669	.269	.9232	1.531	16.	40.7
%RSD	17.99	8.599	122.5	40.21	1.274	5.651

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1139.	583.5	F 268000.	7.814	95.41	.2382
Stddev	13.	1.6	6199.	.519	2.29	2.640
%RSD	1.184	.2805	2.313	6.647	2.398	1108.

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	-6.472	.6433	.2353	555.7	225.6	.6504
Stddev	6.261	1.316	.4150	.5	1.8	.3119
%RSD	96.74	204.5	176.3	.0965	.7877	47.95

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-46953-a-7-b@5 Acquired: 11/27/2012 15:07:46 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.555	45.58	1.267	5195.
Stddev	1.321	.14	.496	70.
%RSD	84.95	.3057	39.12	1.355

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	1839.9	30692.	10742.
Stddev	6.4	227.	187.
%RSD	.34908	.73804	1.7399

Sample Name: 460-47456-a-1-g@5 Acquired: 11/27/2012 15:11:33 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	163.0	-2.138	-1.112	203.5	.0943	9741.
Stddev	8.8	.720	.378	.8	.1647	21.
%RSD	5.422	33.69	33.99	.3846	174.7	.2198

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6395	9.924	.6285	14.93	447.4	3603.
Stddev	.0571	.208	.3679	1.38	3.9	27.
%RSD	8.935	2.098	58.54	9.241	.8668	.7545

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1930.	281.3	F 259800.	8.573	53.64	2.703
Stddev	13.	.7	4082.	.457	3.53	2.514
%RSD	.6748	.2641	1.571	5.335	6.581	93.01

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	-3.206	8.103	.2851	203.8	268.2	-.0072
Stddev	4.187	4.926	.3453	.3	.1	.0898
%RSD	130.6	60.79	121.1	.1433	.0467	1250.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47456-a-1-g@5 Acquired: 11/27/2012 15:11:33 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.3131	33.56	.6139	4151.
Stddev	.5391	.09	.8256	35.
%RSD	172.2	.2620	134.5	.8467

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	1860.4	31011.	10949.
Stddev	4.3	71.	64.
%RSD	.23234	.22762	.58256

Sample Name: 460-47423-a-1-c@5 Acquired: 11/27/2012 15:15:20 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.60	-.3589	.2021	132.0	-.0782	4719.
Stddev	10.63	2.926	.0792	.2	.1062	7.
%RSD	22.33	815.2	39.19	.1444	135.7	.1563

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2419	.3823	.6603	12.95	15.94	590.5
Stddev	.2385	.3870	.7623	.98	11.13	20.3
%RSD	98.59	101.2	115.5	7.590	69.80	3.431

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	633.2	35.10	F 257200.	3.635	4.200	-.7130
Stddev	10.5	.05	1780.	.947	2.572	2.269
%RSD	1.652	.1495	.6920	26.06	61.23	318.2

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	.0430	4.125	.3322	111.6	220.0	.5915
Stddev	5.562	1.470	.3118	.3	1.7	.9693
%RSD	12930.	35.63	93.86	.2511	.7843	163.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47423-a-1-c@5 Acquired: 11/27/2012 15:15:20 Type: Unk
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.5809	109.0	-.2056	4879.
Stddev	1.569	.2	.1000	47.
%RSD	270.0	.2030	48.62	.9572

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	1854.8	30924.	10804.
Stddev	5.3	79.	62.
%RSD	.28637	.25564	.57151

Sample Name: 460-45627-a-8-e@5 Acquired: 11/27/2012 15:19:11 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	91.96	-2.403	-.4083	150.5	-.1561	175600.
Stddev	13.79	4.575	.2114	.2	.0681	281.
%RSD	14.99	190.4	51.77	.1214	43.61	.1598

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.452	4.086	-1.213	8.965	13.35	2329.
Stddev	.123	.327	.674	2.269	8.78	17.
%RSD	3.560	7.995	55.58	25.31	65.76	.7274

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2067.	477.5	F 252600.	25.95	32.60	3.915
Stddev	8.	.6	1285.	.93	2.00	4.176
%RSD	.3901	.1290	.5086	3.579	6.130	106.7

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	2.267	.5794	1.526	534.4	288.2	1.607
Stddev	2.901	6.082	.448	1.0	.7	.746
%RSD	128.0	1050.	29.39	.1846	.2359	46.44

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-45627-a-8-e@5 Acquired: 11/27/2012 15:19:11 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.321	492.3	8.344	6325.
Stddev	2.004	.1	.408	30.
%RSD	151.7	.0254	4.888	.4814

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	1797.4	30205.	10587.
Stddev	6.1	28.	22.
%RSD	.33994	.09408	.20579

Sample Name: 460-45627-a-9-e@5 Acquired: 11/27/2012 15:22:58 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	225.6	-1.824	.0408	286.7	.0200	51790.
Stddev	13.9	3.827	.4927	.5	.0792	130.
%RSD	6.181	209.8	1207.	.1912	397.0	.2502

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33.07	4.966	.7374	144.1	1632.	1644.
Stddev	.15	.145	1.298	3.7	19.	27.
%RSD	.4494	2.925	176.0	2.587	1.142	1.630

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1289.	574.6	241200.	37.82	1832.	3.787
Stddev	17.	1.7	3918.	1.17	3.	2.380
%RSD	1.355	.2965	1.625	3.084	.1542	62.86

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	2.144	5.013	.3117	2197.	254.7	.4684
Stddev	5.466	2.944	.6059	5.	1.0	.5106
%RSD	255.0	58.72	194.4	.2051	.3920	109.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-45627-a-9-e@5 Acquired: 11/27/2012 15:22:58 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.5992	197.2	2.848	3897.
Stddev	1.787	.3	.354	68.
%RSD	298.3	.1703	12.44	1.741

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	1846.1	30725.	10721.
Stddev	8.3	240.	163.
%RSD	.44782	.78251	1.5194

Sample Name: CCV Acquired: 11/27/2012 15:26:45 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124200.	2475.	1223.	10060.	984.1	124800.
Stddev	379.	2.	1.	21.	2.7	294.
%RSD	.3052	.0716	.1214	.2061	.2778	.2357

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1259.	2511.	4966.	12400.	99780.	50160.
Stddev	2.	7.	12.	30.	134.	71.
%RSD	.1792	.2633	.2333	.2453	.1347	.1416

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	123100.	5042.	127200.	2523.	7639.	992.5
Stddev	259.	6.	225.	10.	6.	8.3
%RSD	.2102	.1178	.1772	.3799	.0815	.8345

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2477.	2526.	2475.	2483.	994.5	2513.
Stddev	3.	17.	3.	7.	3.4	9.
%RSD	.1019	.6820	.1287	.2653	.3371	.3411

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/27/2012 15:26:45 Type: QC
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1007.	4962.	10040.	9856.
Stddev	1.	93.	22.	51.
%RSD	.0714	1.882	.2232	.5154

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	1801.1	30282.	10528.
Stddev	6.4	103.	40.
%RSD	.35441	.33863	.37619

Sample Name: CCB Acquired: 11/27/2012 15:30:18 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	31.24	-2.095	.1606	.4765	.0174	-.8841
Stddev	7.23	2.042	.5580	.4602	.1130	8.051
%RSD	23.13	97.43	347.4	96.60	649.0	910.6

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	.1569	-.1992	.4631	-.0975	22.39	101.3
Stddev	.1231	.2125	.3610	2.351	8.16	33.9
%RSD	78.49	106.7	77.95	2410.	36.44	33.43

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.30	.4628	146.0	.7782	1.431	-.1012
Stddev	7.08	.2038	37.1	.8970	1.733	2.358
%RSD	68.77	44.04	25.43	115.3	121.1	2331.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-3.969	4.784	-.0266	.2238	2.342	.2730
Stddev	6.176	3.274	.4669	.1319	1.630	.5991
%RSD	155.6	68.45	1754.	58.93	69.60	219.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/27/2012 15:30:18 Type: QC
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.107	.3846	.7119	-7.404
Stddev	.817	.4294	1.387	3.414
%RSD	73.79	111.7	194.8	46.11

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	1933.9	33336.	10527.
Stddev	6.6	68.	35.
%RSD	.33906	.20436	.32879

Sample Name: 460-45627-a-10-e@5 Acquired: 11/27/2012 15:34:02 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	84.10	-.2591	-.8959	245.0	.0197	165600.
Stddev	17.52	5.646	.4920	.1	.0716	151.
%RSD	20.83	2179.	54.92	.0404	362.8	.0910

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.30	7.403	-1.344	2.182	74.98	2362.
Stddev	.13	.094	1.317	1.327	2.29	13.
%RSD	1.154	1.264	98.05	60.81	3.059	.5702

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2541.	567.5	F 276800.	46.47	636.5	4.034
Stddev	16.	.6	4301.	1.16	3.5	4.143
%RSD	.6226	.1036	1.554	2.490	.5490	102.7

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	5.199	2.363	.3054	1627.	312.5	1.600
Stddev	3.457	4.565	.9809	5.	2.6	.300
%RSD	66.49	193.2	321.2	.2946	.8206	18.78

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-45627-a-10-e@5 Acquired: 11/27/2012 15:34:02 Type: Unk
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.1130	678.4	8.813	5970.
Stddev	2.119	1.0	.282	26.
%RSD	1875.	.1454	3.196	.4282

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	1801.3	30156.	10562.
Stddev	8.8	129.	67.
%RSD	.48986	.42634	.63707

Sample Name: 460-45627-a-11-e@5 Acquired: 11/27/2012 15:37:49 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	78.33	-4.252	-.8728	160.1	-.1810	176700.
Stddev	8.45	6.336	1.115	.9	.0942	234.
%RSD	10.79	149.0	127.7	.5494	52.07	.1325

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.26	6.083	-.3866	24.74	28.28	4378.
Stddev	.10	.529	.0369	1.98	14.39	42.
%RSD	.8418	8.693	9.552	8.015	50.89	.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	2852.	696.9	F 267000.	86.94	127.3	4.814
Stddev	19.	1.1	2812.	1.30	1.9	4.410
%RSD	.6546	.1547	1.053	1.492	1.482	91.62

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	11.51	2.067	.9217	1301.	343.2	1.961
Stddev	6.56	2.582	.7855	2.	2.1	1.010
%RSD	57.02	124.9	85.22	.1901	.6172	51.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-45627-a-11-e@5 Acquired: 11/27/2012 15:37:49 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.343	637.5	8.254	5137.
Stddev	.922	2.5	.362	68.
%RSD	68.67	.3947	4.392	1.330

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	1809.2	30345.	10652.
Stddev	1.0	73.	123.
%RSD	.05483	.23978	1.1529

Sample Name: 460-45627-a-12-e@5 Acquired: 11/27/2012 15:41:36 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	148.3	-1.266	-.6051	222.6	-.0228	119600.
Stddev	3.6	1.803	.7559	.2	.0498	38.
%RSD	2.432	142.4	124.9	.0978	218.2	.0315

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.401	3.492	-.2874	25.50	43.78	3293.
Stddev	.133	.137	.4595	.46	12.44	17.
%RSD	2.069	3.930	159.9	1.819	28.41	.5188

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3333.	740.9	F 273000.	25.41	136.5	1.177
Stddev	29.	1.6	2346.	1.70	2.7	2.152
%RSD	.8821	.2103	.8593	6.707	1.996	182.8

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	.6068	.3406	1032.	322.5	.8681
Stddev	4.681	1.965	.7071	1.	1.8	.5670
%RSD	231.8	323.9	207.6	.1377	.5707	65.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-45627-a-12-e@5 Acquired: 11/27/2012 15:41:36 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.6377	425.1	5.595	7279.
Stddev	.7080	1.4	.833	112.
%RSD	111.0	.3382	14.89	1.533

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	1814.4	30523.	10841.
Stddev	5.0	176.	138.
%RSD	.27730	.57627	1.2751

Sample Name: 460-47494-a-1-b@5 Acquired: 11/27/2012 15:45:23 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	599.5	F -30.18	-3.011	31.63	-4.724	1032.
Stddev	7.0	3.33	.175	.38	.1137	4.
%RSD	1.171	11.02	5.825	1.189	24.07	.4304

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.				
Low Limit		-10.00				

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.022	2.603	5.342	1291.	303.0	F 226900.
Stddev	.2264	.294	.472	3.	15.0	4168.
%RSD	45.08	11.29	8.844	.2024	4.958	1.837

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	1110.	159.8	F 393900.	12.30	180.3	68.76
Stddev	2.	.1	2922.	1.17	3.0	2.44
%RSD	.1662	.0512	.7418	9.551	1.650	3.545

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	25.66	F -106.8	112.9	1189.	F 23020.	F 21790.
Stddev	10.37	3.1	.5	3.	25.	40.
%RSD	40.44	2.941	.4388	.2198	.1090	.1858

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit		5000.			2000.	5000.
Low Limit		-20.00			-50.00	-50.00

Sample Name: 460-47494-a-1-b@5 Acquired: 11/27/2012 15:45:23 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	66.36	11.04	-.5690	6384.
Stddev	1.63	.11	1.120	24.
%RSD	2.451	1.003	196.9	.3765

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	1674.8	28150.	10713.
Stddev	4.3	57.	36.
%RSD	.25699	.20376	.34016

Sample Name: 460-47353-a-6-q@5 Acquired: 11/27/2012 15:49:07 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	72.86	-3.324	-1.561	293.4	-.0831	134900.
Stddev	13.99	.898	.887	1.1	.0542	463.
%RSD	19.20	27.02	56.87	.3916	65.20	.3429

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2635	.0323	-1.526	-.3279	7.202	1477.
Stddev	.1813	.4605	.710	3.257	17.17	158.
%RSD	68.79	1426.	46.50	993.5	238.3	10.69

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23940.	440.2	F 270800.	3.741	4.546	-.4848
Stddev	102.	.8	1791.	.487	1.089	4.065
%RSD	.4278	.1733	.6615	13.02	23.96	838.4

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

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	1.185	.3563	-.1422	3.516	412.7	1.961
Stddev	9.658	2.601	.1183	.310	11.3	.423
%RSD	815.0	730.1	83.19	8.809	2.727	21.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47353-a-6-q@5 Acquired: 11/27/2012 15:49:07 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.4935	510.0	6.465	1453.
Stddev	.6980	1.2	1.050	59.
%RSD	141.4	.2443	16.24	4.086

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	1817.5	30627.	10843.
Stddev	6.8	208.	92.
%RSD	.37571	.67802	.85182

Sample Name: 460-47171-a-3-e du Acquired: 11/27/2012 15:52:56 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2021.	3.048	-.2607	64.74	-.0960	3241.
Stddev	4.	3.471	.6375	.22	.0747	20.
%RSD	.2185	113.9	244.5	.3351	77.77	.6273

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3879	.5248	2.827	398.3	1720.	1791.
Stddev	.1677	.2796	.709	1.5	3.	24.
%RSD	43.23	53.27	25.07	.3824	.1922	1.354

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	959.1	54.57	17960.	5.646	48.62	.4372
Stddev	9.9	.07	55.	.311	1.38	2.281
%RSD	1.031	.1331	.3043	5.511	2.847	521.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-5.672	10.08	5.553	555.0	1147.	.5990
Stddev	4.800	5.81	.400	.2	.	.8118
%RSD	84.63	57.68	7.205	.0422	.0342	135.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47171-a-3-e du Acquired: 11/27/2012 15:52:56 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1.166	11.84	57.24	15330.
Stddev	1.155	.07	1.04	40.
%RSD	98.99	.5633	1.812	.2620

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	1990.1	34430.	11205.
Stddev	2.7	49.	47.
%RSD	.13330	.14262	.41922

Sample Name: 460-47171-a-3-d Acquired: 11/27/2012 15:56:34 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1905.	1.558	-.3421	63.19	-.2329	3160.
Stddev	4.	.228	.5075	.16	.0468	14.
%RSD	.2178	14.61	148.4	.2561	20.10	.4515

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1845	.2888	2.742	391.4	1761.	1704.
Stddev	.0968	.2256	.936	1.6	22.	3.
%RSD	52.49	78.14	34.13	.4021	1.261	.1920

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	915.3	53.63	17600.	6.642	49.80	.4370
Stddev	6.6	.17	26.	.513	1.81	3.150
%RSD	.7262	.3217	.1485	7.720	3.639	720.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-6.506	3.327	4.982	548.2	1128.	.2656
Stddev	2.601	6.466	.661	1.0	3.	.2152
%RSD	39.99	194.3	13.27	.1747	.2788	81.03

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47171-a-3-d Acquired: 11/27/2012 15:56:34 Type: Unk
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.6264	11.60	57.56	14880.
Stddev	.2561	.03	1.05	89.
%RSD	40.88	.2902	1.829	.5990

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	1994.7	34687.	11357.
Stddev	4.3	40.	72.
%RSD	.21666	.11487	.63462

Sample Name: sd 460-47171-a-3-d@5 Acquired: 11/27/2012 16:00:13 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	423.8	-2.802	-.2316	12.58	-.0969	621.5
Stddev	7.0	4.692	.5412	.42	.0508	5.4
%RSD	1.655	167.5	233.7	3.359	52.44	.8716

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1698	-.2163	1.368	75.65	366.6	421.9
Stddev	.2755	.1658	.262	1.25	7.7	23.2
%RSD	162.2	76.64	19.12	1.647	2.111	5.510

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	187.2	10.75	3604.	1.268	10.77	2.396
Stddev	8.1	.08	5.	.645	1.70	3.211
%RSD	4.354	.7516	.1436	50.90	15.82	134.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-.7966	5.018	.9461	106.8	231.4	.5876
Stddev	3.348	2.764	.5577	.2	1.6	.2108
%RSD	420.2	55.08	58.95	.1721	.6740	35.88

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-47171-a-3-d@5 Acquired: 11/27/2012 16:00:13 Type: Unk
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.9542	2.286	11.06	2924.
Stddev	.5234	.081	.55	18.
%RSD	54.85	3.547	4.958	.6059

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	2014.4	35102.	11471.
Stddev	7.2	117.	42.
%RSD	.35720	.33359	.36688

Sample Name: 460-47171-a-3-f.ms Acquired: 11/27/2012 16:03:54 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4202.	1830.	45.50	2028.	48.02	22310.
Stddev	4.	4.	.40	2.	.28	16.
%RSD	.0974	.2158	.8882	.1093	.5927	.0723

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.97	488.1	193.4	624.3	2639.	20450.
Stddev	.17	1.8	.4	3.4	16.	45.
%RSD	.3541	.3728	.2084	.5483	.6036	.2194

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19550.	541.4	37230.	496.0	541.9	457.3
Stddev	48.	1.5	38.	1.3	2.5	5.2
%RSD	.2458	.2752	.1013	.2532	.4554	1.127

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	1854.	2054.	472.0	1017.	1620.	466.4
Stddev	13.	2.	.7	2.	4.	.7
%RSD	.7049	.1022	.1571	.1548	.2180	.1424

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47171-a-3-f.ms Acquired: 11/27/2012 16:03:54 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	489.4	477.7	522.0	16060.
Stddev	3.6	.6	1.9	22.
%RSD	.7419	.1205	.3716	.1342

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	1967.2	33654.	11415.
Stddev	3.6	99.	34.
%RSD	.18315	.29526	.29447

Sample Name: lcs 460-137067/2-a Acquired: 11/27/2012 16:07:24 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2236.	2120.	52.40	2277.	54.64	F 22230.
Stddev	6.	3.	.26	4.	.20	32.
%RSD	.2630	.1233	.4972	.1903	.3633	.1419

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						2000.
Range						20.00%

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57.04	567.4	218.7	271.3	1134.	21840.
Stddev	.21	.2	2.0	1.6	21.	31.
%RSD	.3609	.0285	.9275	.5944	1.824	.1414

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	21540.	565.9	23350.	571.9	582.0	542.4
Stddev	57.	1.4	12.	.6	3.2	3.7
%RSD	.2626	.2544	.0520	.1057	.5443	.6809

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2169.	F 2417.	542.8	553.8	562.0	550.0
Stddev	9.	12.	2.3	1.2	2.1	1.8
%RSD	.3978	.4922	.4156	.2210	.3816	.3337

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2000.				
Range		20.00%				

Sample Name: lcs 460-137067/2-a Acquired: 11/27/2012 16:07:24 Type: QC
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	569.7	536.7	549.7	47.80
Stddev	2.3	.6	3.3	13.48
%RSD	.4059	.1160	.5986	28.21

Check ?	Chk Pass	Chk Pass	Chk Pass	None
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	1945.7	33546.	11327.
Stddev	.7	27.	32.
%RSD	.03540	.08108	.27983

Sample Name: CCV Acquired: 11/27/2012 16:10:57 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123200.	2471.	1211.	10070.	974.4	122500.
Stddev	661.	3.	4.	16.	6.6	179.
%RSD	.5364	.1274	.3096	.1590	.6728	.1459

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	1256.	2505.	4860.	12370.	98190.	49970.
Stddev	2.	5.	9.	45.	87.	206.
%RSD	.1763	.1977	.1926	.3664	.0884	.4128

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	119800.	4970.	126900.	2512.	7611.	995.8
Stddev	291.	9.	301.	3.	21.	5.2
%RSD	.2428	.1772	.2368	.1187	.2746	.5222

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2498.	2506.	2443.	2452.	1006.	2518.
Stddev	4.	8.	5.	6.	5.	6.
%RSD	.1507	.3189	.2046	.2501	.4566	.2272

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/27/2012 16:10:57 Type: QC
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1001.	4997.	10010.	10060.
Stddev	1.	86.	56.	129.
%RSD	.1477	1.714	.5564	1.278

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	1831.7	31326.	11039.
Stddev	4.8	136.	33.
%RSD	.26296	.43386	.30231

Sample Name: CCB Acquired: 11/27/2012 16:14:31 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46.47	1.859	-.4061	.9504	-.0242	1.586
Stddev	10.82	2.396	.4616	.2226	.1673	3.444
%RSD	23.29	128.9	113.7	23.42	692.6	217.1

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	.1646	-.0700	1.207	-.3241	32.53	114.8
Stddev	.0655	.2606	.562	.6303	23.73	24.9
%RSD	39.83	372.4	46.54	194.5	72.94	21.69

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.553	.5062	100.6	.3070	1.803	-2.049
Stddev	4.639	.2639	30.8	.9708	2.137	3.120
%RSD	101.9	52.14	30.67	316.2	118.5	152.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-3.415	-.3655	.2778	.1114	8.701	.5884
Stddev	.417	1.977	.5037	.2945	2.063	.1491
%RSD	12.22	541.0	181.3	264.2	23.71	25.34

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/27/2012 16:14:31 Type: QC
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.132	.4207	-1.094	-6.304
Stddev	.568	.3230	.788	8.666
%RSD	50.14	76.79	72.09	137.5

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	2006.8	34968.	11297.
Stddev	2.4	214.	94.
%RSD	.12159	.61157	.82836

Sample Name: mb 460-137067/1-a Acquired: 11/27/2012 16:18:15 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42.75	-3.883	-.0257	.3020	-.3117	-6.469
Stddev	10.23	2.254	.7369	.6632	.1176	1.600
%RSD	23.92	58.05	2864.	219.6	37.72	24.72

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2163	.0423	-.2703	-1.867	15.46	45.20
Stddev	.1556	.3362	.3018	1.596	5.46	22.30
%RSD	71.94	795.6	111.7	85.53	35.34	49.34

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.019	.1846	63.06	.0681	1.381	-1.975
Stddev	1.699	.0196	5.19	.1336	1.708	3.671
%RSD	166.8	10.60	8.235	196.1	123.7	185.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F -7.697	6.740	-.2403	-.1055	8.277	.3665
Stddev	2.653	1.257	.5811	.3848	1.062	.2139
%RSD	34.46	18.65	241.8	364.7	12.84	58.38

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5.000					
Low Limit	-5.000					

Sample Name: mb 460-137067/1-a Acquired: 11/27/2012 16:18:15 Type: QC
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	- .4093	- .0008	- 1.240	9.466
Stddev	.8947	.0698	.593	6.750
%RSD	218.6	8386.	47.78	71.31

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	1999.3	35128.	11172.
Stddev	3.9	55.	91.
%RSD	.19490	.15610	.81133

Sample Name: Ib 460-136764/1-c Acquired: 11/27/2012 16:21:59 Type: Unk

Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45.37	-2.912	-.4496	.1335	-.0759	83.89
Stddev	16.34	3.557	.4896	.4458	.0189	3.50
%RSD	36.01	122.2	108.9	333.9	24.91	4.168

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0191	-.3880	.0462	-.5853	6.134	97.71
Stddev	.0945	.0884	.4916	1.884	3.438	29.58
%RSD	495.6	22.79	1064.	321.9	56.05	30.27

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27.96	.1714	620.3	.2079	5.997	-1.569
Stddev	4.17	.0553	12.4	.2559	2.016	1.566
%RSD	14.92	32.24	1.998	123.1	33.62	99.83

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-.2177	4.707	.2337	2.348	1127.	.5806
Stddev	2.964	4.696	.4141	.201	3.	.2461
%RSD	1362.	99.75	177.2	8.578	.2542	42.39

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lb 460-136764/1-c Acquired: 11/27/2012 16:21:59 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-2.107	.3851	-.6356	13470.
Stddev	.701	.0171	.2531	124.
%RSD	33.28	4.440	39.81	.9199

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	2037.7	35704.	11407.
Stddev	6.2	66.	36.
%RSD	.30193	.18500	.31495

Sample Name: pds 460-47171-a-3-d Acquired: 11/27/2012 16:25:40 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3889.	1882.	46.10	2071.	48.48	22720.
Stddev	18.	4.	.35	1.	.38	68.
%RSD	.4755	.2348	.7532	.0697	.7741	.3003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.26	500.1	197.2	621.8	2760.	20770.
Stddev	.19	1.3	1.3	3.0	10.	97.
%RSD	.3873	.2513	.6363	.4812	.3477	.4669

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19900.	551.1	37380.	510.2	557.1	482.9
Stddev	77.	1.5	113.	.6	.8	2.1
%RSD	.3894	.2677	.3027	.1140	.1460	.4268

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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.	2119.	484.8	1021.	1607.	481.4
Stddev	12.	7.	1.8	2.	2.	1.1
%RSD	.6167	.3254	.3739	.2172	.1245	.2339

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-47171-a-3-d Acquired: 11/27/2012 16:25:40 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	504.9	487.1	548.7	15360.
Stddev	1.6	2.6	3.2	103.
%RSD	.3164	.5335	.5813	.6716

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	1969.8	33741.	11412.
Stddev	1.4	52.	64.
%RSD	.07024	.15397	.55999

Sample Name: 460-47171-a-2-d Acquired: 11/27/2012 16:29:11 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3309.	3.369	-.8999	122.5	-.0293	2613.
Stddev	7.	2.340	.5084	.3	.1707	4.
%RSD	.2013	69.44	56.50	.2572	581.6	.1527

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2274	1.480	3.933	29.10	3308.	10950.
Stddev	.2226	.129	.337	1.25	25.	10.
%RSD	97.86	8.732	8.574	4.300	.7700	.0871

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1273.	32.97	10860.	3.059	18.37	-.3579
Stddev	6.	.22	8.	1.294	1.44	4.121
%RSD	.4475	.6623	.0721	42.28	7.817	1152.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-.2659	2.645	7.570	74.76	1220.	.9179
Stddev	2.423	3.768	.257	.47	4.	.1889
%RSD	911.1	142.4	3.400	.6260	.3113	20.58

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47171-a-2-d Acquired: 11/27/2012 16:29:11 Type: Unk
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	.1207	10.70	91.26	17530.
Stddev	1.456	.12	.53	90.
%RSD	1206.	1.156	.5849	.5129

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	2020.1	34777.	11526.
Stddev	1.4	94.	46.
%RSD	.07065	.26889	.39633

Sample Name: 460-47487-d-1-a@5 Acquired: 11/27/2012 16:32:50 Type: Unk
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3612.	4.247	-2722	233.6	7.570	14040.
Stddev	4.	4.287	.5292	1.2	.040	30.
%RSD	.1184	100.9	194.4	.5174	.5333	.2164

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.781	79.28	3.186	14.33	96.21	2566.
Stddev	.260	.42	.783	2.30	7.02	33.
%RSD	3.340	.5312	24.56	16.06	7.297	1.298

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11290.	138.1	83480.	138.8	11.66	-5.868
Stddev	8.	.2	112.	1.1	1.09	1.676
%RSD	.0692	.1759	.1338	.7584	9.342	28.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-3.582	1.416	-.2839	487.1	63.32	.3346
Stddev	.770	6.601	.2976	1.9	1.37	.3156
%RSD	21.50	466.2	104.8	.3993	2.170	94.34

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-47487-d-1-a@5 Acquired: 11/27/2012 16:32:50 Type: Unk
Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-.7217	124.6	-.8233	2015.
Stddev	1.148	.3	.6767	17.
%RSD	159.1	.2208	82.20	.8418

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	2236.5	38094.	13063.
Stddev	8.2	82.	65.
%RSD	.36835	.21502	.49604

Sample Name: CCV Acquired: 11/27/2012 16:36:30 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123600.	2477.	1215.	10080.	979.0	123200.
Stddev	463.	4.	3.	16.	4.2	392.
%RSD	.3742	.1639	.2340	.1603	.4293	.3183

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.	2511.	4899.	12390.	98800.	50160.
Stddev	3.	5.	26.	30.	293.	190.
%RSD	.2552	.1914	.5262	.2381	.2963	.3796

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	120600.	4998.	127100.	2518.	7624.	1003.
Stddev	625.	14.	257.	6.	20.	6.
%RSD	.5179	.2830	.2019	.2395	.2663	.6072

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

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	2503.	2519.	2459.	2459.	1001.	2518.
Stddev	10.	13.	7.	7.	1.	5.
%RSD	.3811	.5239	.2885	.2770	.1024	.1828

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 11/27/2012 16:36:30 Type: QC
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	1005.	5018.	10030.	10080.
Stddev	2.	105.	37.	31.
%RSD	.1853	2.093	.3733	.3079

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	1840.8	31437.	11084.
Stddev	.7	98.	64.
%RSD	.03580	.31256	.57913

Sample Name: CCB Acquired: 11/27/2012 16:40:04 Type: QC
Method: SW_112612(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36.98	-3.952	.2015	.4130	.0549	.1714
Stddev	9.43	2.947	.4249	.2338	.0791	8.765
%RSD	25.51	74.58	210.8	56.61	144.2	5113.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1123	.0783	.9583	.3529	5.868	106.9
Stddev	.1450	.3065	1.303	4.010	10.96	18.6
%RSD	129.1	391.2	135.9	1136.	186.8	17.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.070	.4649	88.47	-.0890	1.127	3.280
Stddev	4.445	.2088	25.55	1.646	1.564	5.606
%RSD	62.87	44.91	28.88	1850.	138.7	170.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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	-1.525	4.060	.1585	-.0117	4.469	.5123
Stddev	.442	5.554	.5494	.1021	1.294	.5121
%RSD	28.99	136.8	346.7	875.5	28.96	99.96

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 11/27/2012 16:40:04 Type: QC
 Method: SW_112612(v2) Mode: CONC 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	ppb	ppb	ppb	ppb
Avg	-1.576	.3301	-.6783	-.4211
Stddev	.721	.3247	1.341	15.24
%RSD	45.77	98.35	197.7	3619.

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	2005.0	35052.	11243.
Stddev	2.5	54.	38.
%RSD	.12698	.15401	.33958

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1 Seq: 1 19:51:36 26 Oct 12 HG								
Hg	.000	ppb	64					
*** Standard: 2 Rep: 1 Seq: 2 19:53:20 26 Oct 12 HG								
Hg	.200	ppb	628					
*** Standard: 3 Rep: 1 Seq: 3 19:55:07 26 Oct 12 HG								
Hg	1.00	ppb	3057					
*** Standard: 4 Rep: 1 Seq: 4 19:57:22 26 Oct 12 HG								
Hg	2.00	ppb	5925					
*** Standard: 5 Rep: 1 Seq: 5 19:59:16 26 Oct 12 HG								
Hg	5.00	ppb	15048					
*** Standard: 6 Rep: 1 Seq: 6 20:01:05 26 Oct 12 HG								
Hg	10.0	ppb	29997					
*** Check Standard: 3 Ck3AICV Seq: 7 20:02:51 26 Oct 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg	103.	5.13	5.00	ppb	.000			
*** Check Standard: 1 Ck1ICB/CCB Seq: 8 20:05:04 26 Oct 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg	-.007	.200	ppb	.000				
*** Sample ID: Seq: 9 20:06:52 26 Oct 12 HG								
		MCL						
Hg	1.99	ppb	.000	1.99				
*** Sample ID: Seq: 10 20:08:55 26 Oct 12 HG								
		mb 460-133760/1-b						
Hg	.006	ppb	.000	.006				
*** Sample ID: Seq: 11 20:10:38 26 Oct 12 HG								
		lcs 460-133766/12-a						
Hg	.997	ppb	.000	.997				
*** Sample ID: Seq: 12 20:12:34 26 Oct 12 HG								
		460-46192-e-4-j						
Hg	.532	ppb	.000	.532				

Protocol: 245_7470

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 13 20:14:39 26 Oct 12 HG								
460-46192-e-4-k du								
Hg	.532	ppb	.000	.532				
*** Sample ID: Seq: 14 20:16:41 26 Oct 12 HG								
460-46192-e-4-k du								
Hg	.517	ppb	.000	.517				
*** Sample ID: Seq: 15 20:18:30 26 Oct 12 HG								
460-46192-e-4-l ms								
Hg	1.49	ppb	.000	1.49				
*** Sample ID: Seq: 16 20:20:14 26 Oct 12 HG								
460-46192-e-1-d								
Hg	.004	ppb	.000	.004				
*** Sample ID: Seq: 17 20:21:59 26 Oct 12 HG								
460-46192-e-2-d								
Hg	.003	ppb	.000	.003				
*** Sample ID: Seq: 18 20:23:54 26 Oct 12 HG								
460-46192-e-3-d								
Hg	.014	ppb	.000	.014				
*** Check Standard: 2 Ck2ACCV Seq: 19 20:25:49 26 Oct 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg	103.	5.13	5.00	ppb	.000			
*** Check Standard: 1 Ck1ICB/CCB Seq: 20 20:27:53 26 Oct 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg	-.006	.200	ppb	.000				
*** Sample ID: Seq: 21 20:29:39 26 Oct 12 HG								
460-46225-d-6-d								
Hg	.001	ppb	.000	.001				
*** Sample ID: Seq: 22 20:31:35 26 Oct 12 HG								
460-46225-d-7-d								
Hg	.006	ppb	.000	.006				
*** Sample ID: Seq: 23 20:34:47 26 Oct 12 HG								
460-46225-d-8-d								
Hg	.012	ppb	.000	.012				
*** Sample ID: Seq: 24 20:36:36 26 Oct 12 HG								
460-46225-d-9-d								
Hg	.015	ppb	.000	.015				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 25 20:39:09 26 Oct 12 HG
460-46191-a-2-a
Hg .019 ppb .000 .019

*** Sample ID: Seq: 26 20:40:57 26 Oct 12 HG
460-46191-a-4-a
Hg .009 ppb .000 .009

*** Sample ID: Seq: 27 20:42:51 26 Oct 12 HG
460-46191-a-6-a
Hg .007 ppb .000 .007

*** Sample ID: Seq: 28 20:44:37 26 Oct 12 HG
460-46388-e-1-b
Hg .004 ppb .000 .004

*** Sample ID: Seq: 29 20:46:32 26 Oct 12 HG
460-46388-e-2-b
Hg .015 ppb .000 .015

*** Sample ID: Seq: 30 20:48:48 26 Oct 12 HG
460-46388-e-3-b
Hg .005 ppb .000 .005

*** Check Standard: 2 Ck2ACCV Seq: 31 20:50:42 26 Oct 12 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 103. 5.15 5.00 ppb .000

*** Check Standard: 1 Ck1ICB/CCB Seq: 32 20:53:17 26 Oct 12 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg .002 .200 ppb .000

*** Sample ID: Seq: 33 20:55:05 26 Oct 12 HG
460-46250-d-1-b
Hg -.001 ppb .000 -.001

*** Sample ID: Seq: 34 20:56:51 26 Oct 12 HG
460-46250-d-2-b
Hg .016 ppb .000 .016

*** Sample ID: Seq: 35 20:59:21 26 Oct 12 HG
460-46250-d-3-b
Hg .018 ppb .000 .018

*** Sample ID: Seq: 36 21:01:05 26 Oct 12 HG
460-46250-d-4-b
Hg .012 ppb .000 .012

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: Seq: 37 21:03:04 26 Oct 12 HG								
460-46250-d-6-b								
Hg	.022	ppb	.000	.022				
*** Sample ID: Seq: 38 21:05:12 26 Oct 12 HG								
460-46275-d-1-b								
Hg	.005	ppb	.000	.005				
*** Sample ID: Seq: 39 21:07:10 26 Oct 12 HG								
SD 460-46192-e-4-j@5								
Hg	.014	ppb	.000	.014				
*** Check Standard: 2 Ck2ACCV Seq: 40 21:08:58 26 Oct 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.	5.14	5.00	ppb	.000		
*** Check Standard: 1 Ck1ICB/CCB Seq: 41 21:10:52 26 Oct 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.007	.200	ppb	.000			
*** Sample ID: Seq: 42 21:12:37 26 Oct 12 HG								
mb 460-133767/10-a								
Hg	.018	ppb	.000	.018				
*** Sample ID: Seq: 43 21:16:18 26 Oct 12 HG								
lcs 460-133767/11-a								
Hg	2.00	ppb	.000	2.00				
*** Sample ID: Seq: 44 21:18:02 26 Oct 12 HG								
460-46427-i-1-a								
Hg	-.002	ppb	.000	-.002				
*** Sample ID: Seq: 45 21:20:07 26 Oct 12 HG								
460-46427-i-1-b du								
Hg	.030	ppb	.000	.030				
*** Sample ID: Seq: 46 21:21:56 26 Oct 12 HG								
460-46427-i-1-c ms								
Hg	2.00	ppb	.000	2.00				
*** Sample ID: Seq: 47 21:24:41 26 Oct 12 HG								
460-46399-c-25-b								
Hg	-.004	ppb	.000	-.004				
*** Sample ID: Seq: 48 21:26:26 26 Oct 12 HG								
460-46368-g-1-a								
Hg	.046	ppb	.000	.046				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 49 21:28:23 26 Oct 12 HG

460-46388-d-1-b

Hg	.015	ppb	.000	.015				

*** Check Standard: 2 Ck2ACCV Seq: 50 21:30:11 26 Oct 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD

Hg		102.	5.09	5.00	ppb	.000

*** Check Standard: 1 Ck1ICB/CCB Seq: 51 21:31:54 26 Oct 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD

Hg		-.040	.200	ppb	.000

*** Sample ID: Seq: 52 21:33:51 26 Oct 12 HG

460-46388-d-2-b

Hg	.013	ppb	.000	.013				

*** Sample ID: Seq: 53 21:36:10 26 Oct 12 HG

460-46388-d-3-b

Hg	.010	ppb	.000	.010				

*** Sample ID: Seq: 54 21:37:58 26 Oct 12 HG

460-46402-f-1-d

Hg	.010	ppb	.000	.010				

*** Sample ID: Seq: 55 21:40:04 26 Oct 12 HG

460-46314-h-1-a

Hg	.010	ppb	.000	.010				

*** Sample ID: Seq: 56 21:41:58 26 Oct 12 HG

460-46315-h-1-a

Hg	-.012	ppb	.000	-.012				

*** Sample ID: Seq: 57 21:43:45 26 Oct 12 HG

460-46382-e-2-d

Hg	.001	ppb	.000	.001				

*** Sample ID: Seq: 58 21:45:35 26 Oct 12 HG

460-46382-e-3-b

Hg	.007	ppb	.000	.007				

*** Sample ID: Seq: 59 21:47:22 26 Oct 12 HG

460-46426-h-1-a

Hg	.011	ppb	.000	.011				

*** Check Standard: 2 Ck2ACCV Seq: 60 21:49:06 26 Oct 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD

Hg		103.	5.14	5.00	ppb	.000

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1ICB/CCB Seq: 61 21:50:50 26 Oct 12 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg -.029 .200 ppb .000

*** Sample ID: Seq: 62 21:52:36 26 Oct 12 HG
460-46427-i-2-a
Hg .019 ppb .000 .019

*** Sample ID: Seq: 63 21:55:11 26 Oct 12 HG
460-46427-h-3-a
Hg .072 ppb .000 .072

*** Sample ID: Seq: 64 21:57:48 26 Oct 12 HG
460-46431-i-1-a
Hg .022 ppb .000 .022

*** Sample ID: Seq: 65 22:00:07 26 Oct 12 HG
460-46433-i-1-a
Hg .019 ppb .000 .019

*** Sample ID: Seq: 66 22:01:53 26 Oct 12 HG
460-46433-i-2-a
Hg .029 ppb .000 .029

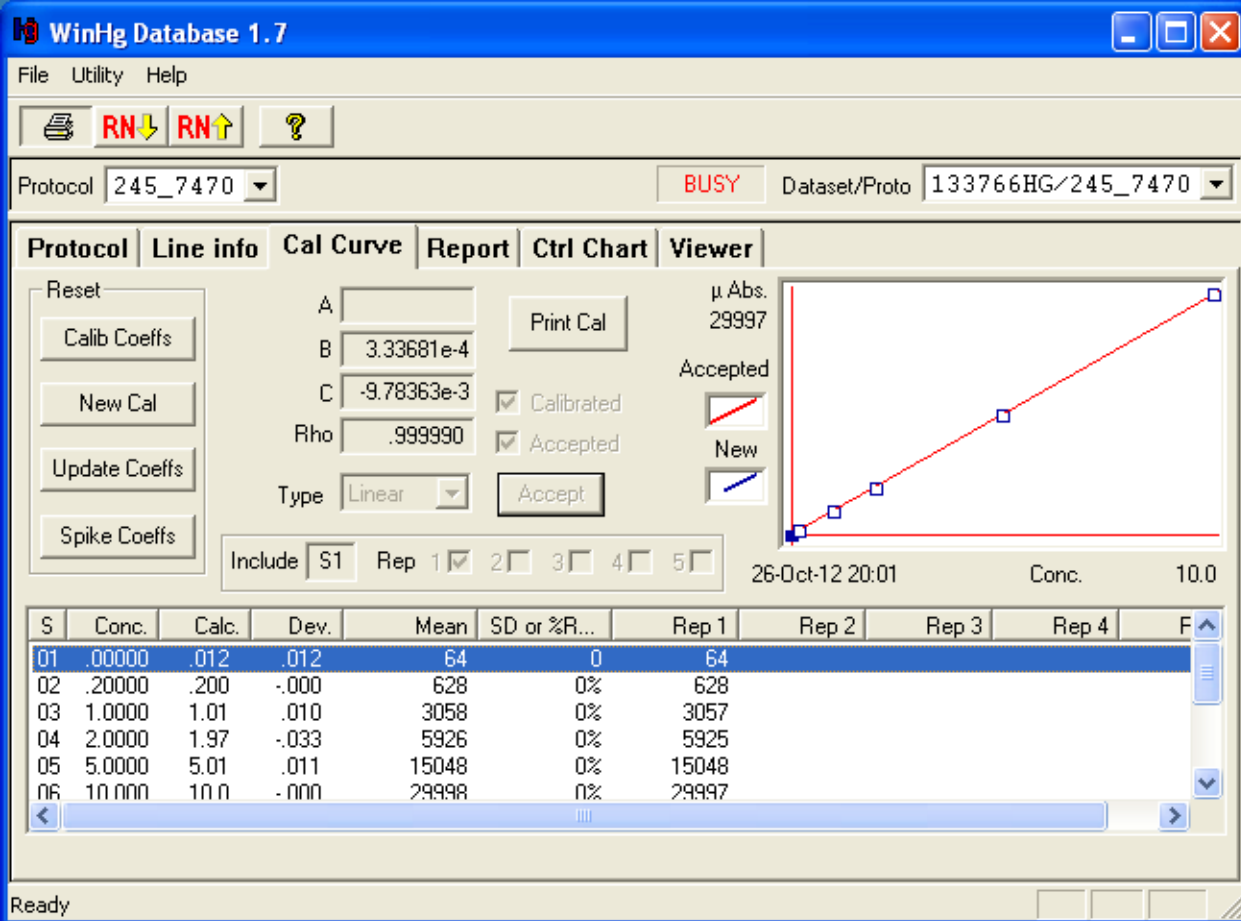
*** Sample ID: Seq: 67 22:03:42 26 Oct 12 HG
460-46433-i-3-a
Hg .006 ppb .000 .006

*** Sample ID: Seq: 68 22:06:10 26 Oct 12 HG
460-46286-e-1-b
Hg .090 ppb .000 .090

*** Sample ID: Seq: 69 22:08:07 26 Oct 12 HG
SD 460-46427-i-1-a@5
Hg .012 ppb .000 .012

*** Check Standard: 2 Ck2ACCV Seq: 70 22:09:55 26 Oct 12 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 102. 5.12 5.00 ppb .000

*** Check Standard: 1 Ck1ICB/CCB Seq: 71 22:11:58 26 Oct 12 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg .001 .200 ppb .000



POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1	19:51:36	26 Oct 12	HG	
Hg	.000	ppb	64					
*** Standard: 2 Rep: 1				Seq: 2	19:53:20	26 Oct 12	HG	
Hg	.200	ppb	628					
*** Standard: 3 Rep: 1				Seq: 3	19:55:07	26 Oct 12	HG	
Hg	1.00	ppb	3057					
*** Standard: 4 Rep: 1				Seq: 4	19:57:22	26 Oct 12	HG	
Hg	2.00	ppb	5925					
*** Standard: 5 Rep: 1				Seq: 5	19:59:16	26 Oct 12	HG	
Hg	5.00	ppb	15048					
*** Standard: 6 Rep: 1				Seq: 6	20:01:05	26 Oct 12	HG	
Hg	10.0	ppb	29997					
*** Check Standard: 3 Ck3AICV				Seq: 7	20:02:51	26 Oct 12	HG	
Line Flag			Intensities					
Hg			15393					
*** Check Standard: 1 Ck1ICB/CCB				Seq: 8	20:05:04	26 Oct 12	HG	
Line Flag			Intensities					
Hg			7					
*** Sample ID:				Seq: 9	20:06:52	26 Oct 12	HG	
			MCL					
Hg	1.99	ppb	5990					
*** Sample ID:				Seq: 10	20:08:55	26 Oct 12	HG	
			mb 460-133760/1-b					
Hg	.006	ppb	48					
*** Sample ID:				Seq: 11	20:10:38	26 Oct 12	HG	
			lcs 460-133766/12-a					
Hg	.997	ppb	3017					
*** Sample ID:				Seq: 12	20:12:34	26 Oct 12	HG	
			460-46192-e-4-j					
Hg	.532	ppb	1625					

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 13 20:14:39 26 Oct 12 HG
460-46192-e-4-k du
Hg .532 ppb 1624

*** Sample ID: Seq: 14 20:16:41 26 Oct 12 HG
460-46192-e-4-k du
Hg .517 ppb 1580

*** Sample ID: Seq: 15 20:18:30 26 Oct 12 HG
460-46192-e-4-l ms
Hg 1.49 ppb 4487

*** Sample ID: Seq: 16 20:20:14 26 Oct 12 HG
460-46192-e-1-d
Hg .004 ppb 40

*** Sample ID: Seq: 17 20:21:59 26 Oct 12 HG
460-46192-e-2-d
Hg .003 ppb 37

*** Sample ID: Seq: 18 20:23:54 26 Oct 12 HG
460-46192-e-3-d
Hg .014 ppb 70

*** Check Standard: 2 Ck2ACCV Seq: 19 20:25:49 26 Oct 12 HG
Line Flag Intensities
Hg 15396

*** Check Standard: 1 Ck1ICB/CCB Seq: 20 20:27:53 26 Oct 12 HG
Line Flag Intensities
Hg 11

*** Sample ID: Seq: 21 20:29:39 26 Oct 12 HG
460-46225-d-6-d
Hg .001 ppb 32

*** Sample ID: Seq: 22 20:31:35 26 Oct 12 HG
460-46225-d-7-d
Hg .006 ppb 48

*** Sample ID: Seq: 23 20:34:47 26 Oct 12 HG
460-46225-d-8-d
Hg .012 ppb 65

*** Sample ID: Seq: 24 20:36:36 26 Oct 12 HG
460-46225-d-9-d
Hg .015 ppb 75

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 25 20:39:09 26 Oct 12 HG
460-46191-a-2-a
Hg .019 ppb 86

*** Sample ID: Seq: 26 20:40:57 26 Oct 12 HG
460-46191-a-4-a
Hg .009 ppb 55

*** Sample ID: Seq: 27 20:42:51 26 Oct 12 HG
460-46191-a-6-a
Hg .007 ppb 50

*** Sample ID: Seq: 28 20:44:37 26 Oct 12 HG
460-46388-e-1-b
Hg .004 ppb 40

*** Sample ID: Seq: 29 20:46:32 26 Oct 12 HG
460-46388-e-2-b
Hg .015 ppb 73

*** Sample ID: Seq: 30 20:48:48 26 Oct 12 HG
460-46388-e-3-b
Hg .005 ppb 43

*** Check Standard: 2 Ck2ACCV Seq: 31 20:50:42 26 Oct 12 HG
Line Flag Intensities
Hg 15469

*** Check Standard: 1 Ck1ICB/CCB Seq: 32 20:53:17 26 Oct 12 HG
Line Flag Intensities
Hg 36

*** Sample ID: Seq: 33 20:55:05 26 Oct 12 HG
460-46250-d-1-b
Hg -.001 ppb 27

*** Sample ID: Seq: 34 20:56:51 26 Oct 12 HG
460-46250-d-2-b
Hg .016 ppb 77

*** Sample ID: Seq: 35 20:59:21 26 Oct 12 HG
460-46250-d-3-b
Hg .018 ppb 82

*** Sample ID: Seq: 36 21:01:05 26 Oct 12 HG
460-46250-d-4-b
Hg .012 ppb 65

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 37 21:03:04 26 Oct 12 HG
460-46250-d-6-b
Hg .022 ppb 96

*** Sample ID: Seq: 38 21:05:12 26 Oct 12 HG
460-46275-d-1-b
Hg .005 ppb 44

*** Sample ID: Seq: 39 21:07:10 26 Oct 12 HG
SD 460-46192-e-4-j@5
Hg .014 ppb 72

*** Check Standard: 2 Ck2ACCV Seq: 40 21:08:58 26 Oct 12 HG
Line Flag Intensities
Hg 15424

*** Check Standard: 1 Ck1ICB/CCB Seq: 41 21:10:52 26 Oct 12 HG
Line Flag Intensities
Hg 8

*** Sample ID: Seq: 42 21:12:37 26 Oct 12 HG
mb 460-133767/10-a
Hg .018 ppb 83

*** Sample ID: Seq: 43 21:16:18 26 Oct 12 HG
lcs 460-133767/11-a
Hg 2.00 ppb 6015

*** Sample ID: Seq: 44 21:18:02 26 Oct 12 HG
460-46427-i-1-a
Hg -.002 ppb 22

*** Sample ID: Seq: 45 21:20:07 26 Oct 12 HG
460-46427-i-1-b du
Hg .030 ppb 119

*** Sample ID: Seq: 46 21:21:56 26 Oct 12 HG
460-46427-i-1-c ms
Hg 2.00 ppb 6024

*** Sample ID: Seq: 47 21:24:41 26 Oct 12 HG
460-46399-c-25-b
Hg -.004 ppb 18

*** Sample ID: Seq: 48 21:26:26 26 Oct 12 HG
460-46368-g-1-a
Hg .046 ppb 166

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 49 21:28:23 26 Oct 12 HG
460-46388-d-1-b
Hg .015 ppb 73

*** Check Standard: 2 Ck2ACCV Seq: 50 21:30:11 26 Oct 12 HG
Line Flag Intensities
Hg 15295

*** Check Standard: 1 Ck1ICB/CCB Seq: 51 21:31:54 26 Oct 12 HG
Line Flag Intensities
Hg -90

*** Sample ID: Seq: 52 21:33:51 26 Oct 12 HG
460-46388-d-2-b
Hg .013 ppb 67

*** Sample ID: Seq: 53 21:36:10 26 Oct 12 HG
460-46388-d-3-b
Hg .010 ppb 58

*** Sample ID: Seq: 54 21:37:58 26 Oct 12 HG
460-46402-f-1-d
Hg .010 ppb 60

*** Sample ID: Seq: 55 21:40:04 26 Oct 12 HG
460-46314-h-1-a
Hg .010 ppb 60

*** Sample ID: Seq: 56 21:41:58 26 Oct 12 HG
460-46315-h-1-a
Hg -.012 ppb -6

*** Sample ID: Seq: 57 21:43:45 26 Oct 12 HG
460-46382-e-2-d
Hg .001 ppb 33

*** Sample ID: Seq: 58 21:45:35 26 Oct 12 HG
460-46382-e-3-b
Hg .007 ppb 51

*** Sample ID: Seq: 59 21:47:22 26 Oct 12 HG
460-46426-h-1-a
Hg .011 ppb 62

*** Check Standard: 2 Ck2ACCV Seq: 60 21:49:06 26 Oct 12 HG
Line Flag Intensities
Hg 15421

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1ICB/CCB Seq: 61 21:50:50 26 Oct 12 HG
Line Flag Intensities
Hg -58

*** Sample ID: Seq: 62 21:52:36 26 Oct 12 HG
460-46427-i-2-a
Hg .019 ppb 86

*** Sample ID: Seq: 63 21:55:11 26 Oct 12 HG
460-46427-h-3-a
Hg .072 ppb 245

*** Sample ID: Seq: 64 21:57:48 26 Oct 12 HG
460-46431-i-1-a
Hg .022 ppb 94

*** Sample ID: Seq: 65 22:00:07 26 Oct 12 HG
460-46433-i-1-a
Hg .019 ppb 85

*** Sample ID: Seq: 66 22:01:53 26 Oct 12 HG
460-46433-i-2-a
Hg .029 ppb 115

*** Sample ID: Seq: 67 22:03:42 26 Oct 12 HG
460-46433-i-3-a
Hg .006 ppb 47

*** Sample ID: Seq: 68 22:06:10 26 Oct 12 HG
460-46286-e-1-b
Hg .090 ppb 299

*** Sample ID: Seq: 69 22:08:07 26 Oct 12 HG
SD 460-46427-i-1-a@5
Hg .012 ppb 66

*** Check Standard: 2 Ck2ACCV Seq: 70 22:09:55 26 Oct 12 HG
Line Flag Intensities
Hg 15361

*** Check Standard: 1 Ck1ICB/CCB Seq: 71 22:11:58 26 Oct 12 HG
Line Flag Intensities
Hg 31

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Batch Number: 133764 Batch Start Date: 10/26/12 16:05 Batch Analyst: Esteban, Edgardo ABatch Method: 3010A Batch End Date: 10/26/12 21:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_LCS-int 00033			
MB 460-133764/1		3010A, 6010B		100 mL	100 mL				
LCS 460-133764/2		3010A, 6010B		100 mL	100 mL	2 mL			
460-46402-F-1 DU		3010A, 6010B	T	100 mL	100 mL				
460-46402-F-1 MS		3010A, 6010B	T	100 mL	100 mL	2 mL			
460-46388-D-1	WG-17338-102212- MW30-MM-264	3010A, 6010B	T	100 mL	100 mL				
460-46388-D-2	WG-17338-102212- MW36S-MM-265	3010A, 6010B	T	100 mL	100 mL				
460-46388-D-3	WG-17338-102312- MW36D-MM-266	3010A, 6010B	T	100 mL	100 mL				

Batch Notes	
Batch Comment	1:1 HCL LOT MPR 213
First End time	17:05
Filter Paper Lot Number	09-790F
Lot # of Nitric Acid	L03021
Hot Block ID number	4
Oven, Bath or Block Temperature 1	97 uncorr, 95 corr Degrees C
Pipette ID	25
First Start time	16:05
ID number of the thermometer	ICP-3 [CF -2]
Digestion Tube/Cup Lot #	MF06LKK01-2237-JB

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Batch Number: 134200 Batch Start Date: 11/02/12 08:33 Batch Analyst: Chen, MandiBatch Method: FILTRATION Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AnalysisComment			
MB 460-134200/1		FILTRATION, 200.7, 6010B		130 mL	130 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			

Batch Notes	
Filter Lot #	010-500-080
Lot # of Nitric Acid	L12065

Basis	Basis Description
D	Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Batch Number: 134200 Batch Start Date: 11/02/12 08:33 Batch Analyst: Chen, MandiBatch Method: FILTRATION Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AnalysisComment			
MB 460-134200/1		FILTRATION, 3010A, 6010B		130 mL	130 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			
460-46388-G-1	WG-17338-102212- MW30-MM-264	FILTRATION, 3010A, 6010B	D	130 mL	130 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			
460-46388-E-2	WG-17338-102212- MW36S-MM-265	FILTRATION, 3010A, 6010B	D	130 mL	130 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			
460-46388-E-3	WG-17338-102312- MW36D-MM-266	FILTRATION, 3010A, 6010B	D	130 mL	130 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			

Batch Notes	
Filter Lot #	010-500-080
Lot # of Nitric Acid	L12065

Basis	Basis Description
D	Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Batch Number: 134204 Batch Start Date: 11/02/12 09:04 Batch Analyst: Chen, MandiBatch Method: 200.7 Batch End Date: 11/02/12 12:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 460-134200/1-A		200.7, 6010B		100 mL	100 mL				

Batch Notes	
Batch Comment	1:1 HCL - MPR213
Filter Paper Lot Number	09-790F
Lot # of hydrochloric acid	L02A02
Lot # of Nitric Acid	1:1 HNO3 - MPR212
Hood ID or number	6
Hot Block ID number	6
Oven, Bath or Block Temperature 1	96 uncorr 95 corr Degrees C
Pipette ID	36
ID number of the thermometer	Prep-1 (CF -1)
Digestion Tube/Cup Lot #	mf06lkk01-2238-BB

Basis	Basis Description

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Batch Number: 134211 Batch Start Date: 11/02/12 09:31 Batch Analyst: Chen, MandiBatch Method: 3010A Batch End Date: 11/02/12 12:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_LCS-int 00033			
MB 460-134200/1-A		3010A, 6010B		100 mL	100 mL				
LCS 460-134211/2		3010A, 6010B		100 mL	100 mL	2 mL			
460-46540-C-3 DU		3010A, 6010B	D	100 mL	100 mL				
460-46540-C-3 MS		3010A, 6010B	D	100 mL	100 mL	2 mL			
460-46388-G-1-A	WG-17338-102212- MW30-MM-264	3010A, 6010B	D	100 mL	100 mL				
460-46388-E-2-D	WG-17338-102212- MW36S-MM-265	3010A, 6010B	D	100 mL	100 mL				
460-46388-E-3-D	WG-17338-102312- MW36D-MM-266	3010A, 6010B	D	100 mL	100 mL				

Batch Notes	
Batch Comment	1:1 HCL LOT MPR 213
First End time	13:05
Lot # of Nitric Acid	L03021
Hot Block ID number	5
Oven, Bath or Block Temperature 1	97 uncorr, 95 corr Degrees C
Pipette ID	#2
First Start time	12:05
ID number of the thermometer	ICP-3 [CF -2]
Digestion Tube/Cup Lot #	MF06LKK01-2237-JB

Basis	Basis Description
D	Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Batch Number: 137227 Batch Start Date: 11/28/12 08:52 Batch Analyst: Chen, MandiBatch Method: 3010A Batch End Date: 11/28/12 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_LCS-int 00034			
MB 460-137229/1-A		3010A, 6010B		100 mL	100 mL				
LCS 460-137227/2		3010A, 6010B		100 mL	100 mL	2 mL			
460-47127-A-3-P DU		3010A, 6010B	D	100 mL	100 mL				
460-47127-A-3-Q MS		3010A, 6010B	D	100 mL	100 mL	2 mL			
460-46388-E-3-F	WG-17338-102312- MW36D-MM-266	3010A, 6010B	D	100 mL	100 mL				

Batch Notes	
Batch Comment	1:1 HCL LOT MPR 214
First End time	14pm
Lot # of Nitric Acid	L08022
Hot Block ID number	5
Oven, Bath or Block Temperature 1	96 uncorr, 95 corr Degrees C
Pipette ID	25
First Start time	9am
ID number of the thermometer	ICP - 3 [CF -1]
Digestion Tube/Cup Lot #	MF06LKK01-2297-BB

Basis	Basis Description
D	Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Batch Number: 137229 Batch Start Date: 11/28/12 08:54 Batch Analyst: Chen, MandiBatch Method: FILTRATION Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 460-137229/1		FILTRATION, 3010A, 6010B		100 mL	100 mL				
460-47127-A-3 DU		FILTRATION, 3010A, 6010B	D	100 mL	100 mL				
460-47127-A-3 MS		FILTRATION, 3010A, 6010B	D	100 mL	100 mL				
460-46388-E-3	WG-17338-102312- MW36D-MM-266	FILTRATION, 3010A, 6010B	D	100 mL	100 mL				

Batch Notes	

Basis	Basis Description
D	Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Batch Number: 133760 Batch Start Date: 10/26/12 16:00 Batch Analyst: Staib, ThomasBatch Method: FILTRATION Batch End Date: 10/26/12 16:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AnalysisComment			
MB 460-133760/1		FILTRATION, 7470A, 7470A		30 mL	30 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			
460-46192-E-4 DU		FILTRATION, 7470A, 7470A	D	30 mL	30 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			
460-46192-E-4 MS		FILTRATION, 7470A, 7470A	D	30 mL	30 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			
460-46388-E-1	WG-17338-102212- MW30-MM-264	FILTRATION, 7470A, 7470A	D	30 mL	30 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			
460-46388-E-2	WG-17338-102212- MW36S-MM-265	FILTRATION, 7470A, 7470A	D	30 mL	30 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			
460-46388-E-3	WG-17338-102312- MW36D-MM-266	FILTRATION, 7470A, 7470A	D	30 mL	30 mL	Sample Was Preserved With HNO3 And pH Was Taken At 1			

Batch Notes	
Filter Lot #	1070623
Lot # of Nitric Acid	L12065

Basis	Basis Description
D	Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Batch Number: 133766 Batch Start Date: 10/26/12 17:17 Batch Analyst: Staib, ThomasBatch Method: 7470A Batch End Date: 10/26/12 19:17

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 00952	ME_DQCS-INT 00669		
ICV 460-133766/7		7470A, 7470A		100 mL	100 mL		5 mL		
CCV 460-133766/8		7470A, 7470A		100 mL	100 mL		5 mL		
CCB 460-133766/9		7470A, 7470A		100 mL	100 mL				
MB 460-133760/1-A		7470A, 7470A		30 mL	30 mL				
LCS 460-133766/12		7470A, 7470A		30 mL	30 mL	0.3 mL			
460-46192-E-4-H DU		7470A, 7470A	D	30 mL	30 mL				
460-46192-E-4-I MS		7470A, 7470A	D	30 mL	30 mL	0.3 mL			
460-46388-E-1-A	WG-17338-102212- MW30-MM-264	7470A, 7470A	D	30 mL	30 mL				
460-46388-E-2-A	WG-17338-102212- MW36S-MM-265	7470A, 7470A	D	30 mL	30 mL				
460-46388-E-3-A	WG-17338-102312- MW36D-MM-266	7470A, 7470A	D	30 mL	30 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	HgR01516
Sulfuric Acid Lot Number	L09049
Lot # of hydrochloric acid	HgR01513
Lot # of Nitric Acid	L12065
Hood ID or number	#2
Hot Block ID number	#9
Potassium Persulfate Lot Number	HgR01517
Potassium Permanganate Lot Number	HgR01515
NaCL Lot #	HgR01516
Oven, Bath or Block Temperature 1	96 uncorr 95 corr Celsius
Pipette ID	#25
Stannous Chloride Lot Number	HgR01514
ID number of the thermometer	Prep-1 (CF -1)

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Batch Number: 133766 Batch Start Date: 10/26/12 17:17 Batch Analyst: Staib, Thomas

Batch Method: 7470A Batch End Date: 10/26/12 19:17

Basis	Basis Description
D	Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-46388-1

SDG No.: _____

Batch Number: 133767 Batch Start Date: 10/26/12 17:37 Batch Analyst: Staib, ThomasBatch Method: 7470A Batch End Date: 10/26/12 19:37

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 00952			
MB 460-133767/10		7470A, 7470A		30 mL	30 mL				
LCS 460-133767/11		7470A, 7470A		30 mL	30 mL	0.6 mL			
460-46427-I-1 DU		7470A, 7470A	T	30 mL	30 mL				
460-46427-I-1 MS		7470A, 7470A	T	30 mL	30 mL	0.6 mL			
460-46388-D-1	WG-17338-102212- MW30-MM-264	7470A, 7470A	T	30 mL	30 mL				
460-46388-D-2	WG-17338-102212- MW36S-MM-265	7470A, 7470A	T	30 mL	30 mL				
460-46388-D-3	WG-17338-102312- MW36D-MM-266	7470A, 7470A	T	30 mL	30 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	HgR01516
Sulfuric Acid Lot Number	L09049
Lot # of hydrochloric acid	HgR01513
Lot # of Nitric Acid	L12065
Hood ID or number	#2
Hot Block ID number	#9
Potassium Persulfate Lot Number	HgR01517
Potassium Permanganate Lot Number	HgR01515
NaCL Lot #	HgR01516
Oven, Bath or Block Temperature 1	96 uncorr 95 corr Degrees C
Pipette ID	#25
Stannous Chloride Lot Number	HgR01514
ID number of the thermometer	Prep-1 (CF -1)

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

SHIPED TO (Laboratory Name)*

TEST AMERICA

Edison, NJ

BEEFERENCE NUMBER:

017338

46388

~~11/29/2012~~

SAMPLER'S SIGNATURE: <u>M. L. Smith</u>		PRINTED NAME: <u>M. L. Smith</u>		REMARKS
SEQ. No.	DATE	TIME	SAMPLE No.	
1	10/24/12	10:45	WU-17338-102312-MW-30-MW-264	AGU 7
2	10/24/12	12:45	WU-17338-102312-MW-365-MW-265	AGU 7
3	10/24/12	1:30	WU-17338-102312-MW-360-MW-266	AGU 7
4	10/24/12	1:30	WU-17338-102312-267	AGU 3
TOTAL NUMBER OF CONTAINERS				
HEALTH/CHEMICAL HAZARDS				
RELINQUISHED BY: <u>M. L. Smith</u>				RECEIVED BY: <u>M. L. Smith</u>
RELINQUISHED BY: <u>M. L. Smith</u>				RECEIVED BY: <u>M. L. Smith</u>
RELINQUISHED BY: <u>M. L. Smith</u>				RECEIVED BY: <u>M. L. Smith</u>
RELINQUISHED BY: <u>M. L. Smith</u>				RECEIVED BY: <u>M. L. Smith</u>
METHOD OF SHIPMENT: <u>W/ BULK NO.</u>				RECEIVED FOR LABORATORY BY: <u>N. J. Smith</u>
SAMPLE TEAM: <u>White</u>				DATE: <u>10/24/12</u>
SAMPLE TEAM: <u>Yellow</u>				DATE: <u>10/24/12</u>
SAMPLE TEAM: <u>Pink</u>				DATE: <u>10/24/12</u>
SAMPLE TEAM: <u>Goldenrod</u>				DATE: <u>10/24/12</u>

○
○
○

22

Temp. Cooler #7 (Deg C) (Raw/Corrected)

Temp. Cooler #8 (Deg C) (Raw/Corrected)

Temp. Cooler #9 (Deg C) (Raw/Corrected)

[illegible]

Sample No(s). adjusted: 1417

21

21

* Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Date: 10/25/12

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 460-46388-1

Login Number: 46388

List Source: TestAmerica Edison

List Number: 1

Creator: Rivera, Kenneth

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4°C IR #4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
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.