

ANALYTICAL REPORT

Job Number: 200-1636-1

SDG Number: 200-1636-1

Job Description: Lawrence Aviation

For:

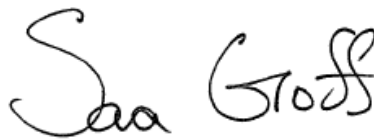
Panther Technologies

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Attention: Mr. Kevin Dyson



Approved for release.
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Project Manager I
10/6/2010 1:48 PM

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Project Manager I
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10/06/2010

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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CASE NARRATIVE

Client: Panther Technologies

Project: Lawrence Aviation

Report Number: 200-1636-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

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

RECEIPT

The samples were received on 09/21/2010; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.6 C.

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain-of-Custody (COC). The sample was logged in using the ID of TB from the labels, as well as the date of 09/17/10 from the labels.

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): ISCO-MW1. The container labels list blurred IDs and dates due to use of non-indelible ink. Sample received in a Ziploc bag listing sample ID. Times on sample labels were clear and matched the COC. The COC lists IDs and dates used for login.

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): ISCO-MW2, ISCO-MW3, ISCO-MW5. The container labels list information that is inconsistent with the COC, due to missing information on labels caused by use of non-indelible ink. The COC lists IDs, dates, and times used for login.

VOLATILE ORGANIC COMPOUNDS - TRACE

Samples ISCO-MW1, ISCO-MW2, ISCO-MW3, ISCO-MW4, ISCO-MW5, TB and VHBLK01 were analyzed for Volatile Organic Compounds - Trace in accordance with EPA SOW SOM01.2. The samples were analyzed on 09/23/2010.

1,2,3-Trichlorobenzene and Acetone were detected in method blank MB 200-6993/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. 1,2,3-Trichlorobenzene and Acetone were detected in method blank MB 200-7052/4 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have 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.

1,1-Dichloroethene-d2, trans-1,3-Dichloropropene-d4 and Vinyl chloride-d3 failed the surrogate recovery criteria low for ISCO-MW2, however this meets method acceptance criteria which allows for up to three surrogate failures. . Refer to the QC report for details.

Samples ISCO-MW1[5X], ISCO-MW3[3X], ISCO-MW3[37X], ISCO-MW4[4X], ISCO-MW4[40X] and ISCO-MW5[13X] required dilution prior to analysis. A more concentrated analysis has been provided. The reporting limits have been adjusted accordingly.

Present in the method blank analysis was a non-target constituent that represents a compound that is related to the DMC formulation. The derived results for that compound have been qualified with an "X" qualifier to reflect the source of the contamination.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

MERCURY

Samples ISCO-MW1, ISCO-MW2, ISCO-MW3, ISCO-MW4 and ISCO-MW5 were analyzed for Mercury in accordance with EPA SOW ILM05.4. The samples were prepared on 09/23/2010 and analyzed on 09/24/2010.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

METALS

Samples ISCO-MW1, ISCO-MW2, ISCO-MW3, ISCO-MW4 and ISCO-MW5 were analyzed for Metals in accordance with EPA SOW ILM05.4. The samples were prepared on 09/23/2010 and analyzed on 09/25/2010.

Several analytes were detected in method blank MB 200-6872/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have 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.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

ALKALINITY

Samples ISCO-MW1, ISCO-MW2, ISCO-MW3, ISCO-MW4 and ISCO-MW5 were analyzed for alkalinity in accordance with SM20 2320B. The samples were analyzed on 09/27/2010.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS

Samples ISCO-MW1, ISCO-MW2, ISCO-MW3, ISCO-MW4 and ISCO-MW5 were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 09/23/2010.

No difficulties were encountered during the TDS analyses.

All quality control parameters were within the acceptance limits.

TOTAL SUSPENDED SOLIDS

Samples ISCO-MW1, ISCO-MW2, ISCO-MW3, ISCO-MW4 and ISCO-MW5 were analyzed for total suspended solids in accordance with SM20 2540D. The samples were analyzed on 09/23/2010.

No difficulties were encountered during the TSS analyses.

All quality control parameters were within the acceptance limits.

ANIONS

Samples ISCO-MW1, ISCO-MW2, ISCO-MW3, ISCO-MW4 and ISCO-MW5 were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 10/02/2010.

Chloride and Sulfate failed the recovery criteria high for the MS of sample ISCO-MW1MS in batch 680-181849.

Refer to the QC report for details.

Samples ISCO-MW1[5X], ISCO-MW2[5X], ISCO-MW3[5X], ISCO-MW4[5X] and ISCO-MW5[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the anions analyses.

All other quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON

Samples ISCO-MW1, ISCO-MW2, ISCO-MW3, ISCO-MW4 and ISCO-MW5 were analyzed for total organic carbon in accordance with SM20 5310B. The samples were analyzed on 09/27/2010.

for the duplicate of sample ISCO-MW1DU. Refer to the QC report for details.

Sample ISCO-MW2[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the TOC analyses.

All other quality control parameters were within the acceptance limits.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-1636-1SDG No.: 200-1636-1Instrument ID: J.i Analysis Batch Number: 6837Lab Sample ID: IC 200-6837/2 Client Sample ID: _____Date Analyzed: 09/21/10 14:35 Lab File ID: jbm02.d GC Column: DB-624 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	1.89	Analyte misidentified by the data system	cmp	09/22/10 07:18

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-1636-1SDG No.: 200-1636-1Instrument ID: J.i Analysis Batch Number: 6993Lab Sample ID: CCVC 200-6993/19 Client Sample ID: _____Date Analyzed: 09/23/10 14:48 Lab File ID: jbmc19.d GC Column: DB-624 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	1.81	Poor chromatography	jh2	09/23/10 15:05
Chloroethane	1.89	Poor chromatography	jh2	09/23/10 15:05

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-1636-1SDG No.: 200-1636-1Instrument ID: J.i Analysis Batch Number: 7052Lab Sample ID: CCVC 200-7052/25 Client Sample ID: _____Date Analyzed: 09/24/10 02:18 Lab File ID: jbmd25.d GC Column: DB-624 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.35	Poor chromatography	jh2	09/24/10 06:27
Bromomethane	1.81	Poor chromatography	jh2	09/24/10 06:28
Chloroethane	1.89	Poor chromatography	jh2	09/24/10 06:28

SAMPLE SUMMARY

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-1636-1	ISCO-MW1	Water	09/18/2010 1115	09/21/2010 1005
200-1636-2	ISCO-MW2	Water	09/18/2010 1250	09/21/2010 1005
200-1636-3	ISCO-MW3	Water	09/18/2010 1630	09/21/2010 1005
200-1636-4	ISCO-MW4	Water	09/19/2010 1210	09/21/2010 1005
200-1636-5	ISCO-MW5	Water	09/19/2010 1000	09/21/2010 1005
200-1636-6	TB	Water	09/17/2010 0000	09/21/2010 1005
200-1636-7	VHBLK01	Water	09/22/2010 0855	09/21/2010 1005

EXECUTIVE SUMMARY - Detections

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
200-1636-1	ISCO-MW1					
Acetone		2.3	J B	5.0	ug/L	SOM01.2/VOA_Tr
Methyl tert-butyl ether		1.6		0.50	ug/L	SOM01.2/VOA_Tr
cis-1,2-Dichloroethene		0.46	J	0.50	ug/L	SOM01.2/VOA_Tr
Chloroform		0.47	J	0.50	ug/L	SOM01.2/VOA_Tr
1,1,1-Trichloroethane		0.11	J	0.50	ug/L	SOM01.2/VOA_Tr
Trichloroethene		70	D	2.3	ug/L	SOM01.2/VOA_Tr
Toluene		0.10	J	0.50	ug/L	SOM01.2/VOA_Tr
Tetrachloroethene		0.97		0.50	ug/L	SOM01.2/VOA_Tr
m,p-Xylene		0.060	J	0.50	ug/L	SOM01.2/VOA_Tr
1,2,3-Trichlorobenzene		0.031	J B	0.50	ug/L	SOM01.2/VOA_Tr
Mercury		0.99		0.20	ug/L	ILM05.4/HG
Aluminum		1060		200	ug/L	ILM05.4/ICP
Barium		34.2	J	200	ug/L	ILM05.4/ICP
Beryllium		0.34	J	5.0	ug/L	ILM05.4/ICP
Calcium		21700		5000	ug/L	ILM05.4/ICP
Chromium		11.1		10.0	ug/L	ILM05.4/ICP
Iron		76.3	J	100	ug/L	ILM05.4/ICP
Potassium		6440		5000	ug/L	ILM05.4/ICP
Magnesium		10100		5000	ug/L	ILM05.4/ICP
Manganese		16.3		15.0	ug/L	ILM05.4/ICP
Sodium		28400		5000	ug/L	ILM05.4/ICP
Nickel		32.8	J	40.0	ug/L	ILM05.4/ICP
Lead		5.5	J	10.0	ug/L	ILM05.4/ICP
Zinc		26.2	J	60.0	ug/L	ILM05.4/ICP
Chloride		36.6	N	5.0	mg/L	300.0
Fluoride		3.0		1.0	mg/L	300.0
Sulfate		34.1	N	5.0	mg/L	300.0
Alkalinity		22.0		5.0	mg/L	SM 2320B
Total Dissolved Solids		213		5.0	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
200-1636-2	ISCO-MW2					
Acetone		10	B	5.0	ug/L	SOM01.2/VOA_Tr
Carbon disulfide		1.1		0.50	ug/L	SOM01.2/VOA_Tr
Methyl tert-butyl ether		1.1		0.50	ug/L	SOM01.2/VOA_Tr
Chloroform		0.45	J	0.50	ug/L	SOM01.2/VOA_Tr
1,1,1-Trichloroethane		0.11	J	0.50	ug/L	SOM01.2/VOA_Tr
Toluene		0.050	J	0.50	ug/L	SOM01.2/VOA_Tr
Tetrachloroethene		1.5		0.50	ug/L	SOM01.2/VOA_Tr
Aluminum		9290		200	ug/L	ILM05.4/ICP
Barium		36.9	J	200	ug/L	ILM05.4/ICP
Beryllium		2.0	J	5.0	ug/L	ILM05.4/ICP
Calcium		19000		5000	ug/L	ILM05.4/ICP
Chromium		200		10.0	ug/L	ILM05.4/ICP
Copper		3.7	J	25.0	ug/L	ILM05.4/ICP
Iron		319		100	ug/L	ILM05.4/ICP
Potassium		28700		5000	ug/L	ILM05.4/ICP
Magnesium		8750		5000	ug/L	ILM05.4/ICP
Manganese		7010		15.0	ug/L	ILM05.4/ICP
Sodium		44600		5000	ug/L	ILM05.4/ICP
Nickel		182		40.0	ug/L	ILM05.4/ICP
Lead		7.8	J	10.0	ug/L	ILM05.4/ICP
Zinc		25.2	J	60.0	ug/L	ILM05.4/ICP
Vanadium		2.1	J	50.0	ug/L	ILM05.4/ICP
Chloride		32.8		5.0	mg/L	300.0
Fluoride		36.7		1.0	mg/L	300.0
Sulfate		31.4		5.0	mg/L	300.0
Alkalinity		57.8		5.0	mg/L	SM 2320B
Total Dissolved Solids		316		5.0	mg/L	SM 2540C
Total Suspended Solids		17.0		5.0	mg/L	SM 2540D

EXECUTIVE SUMMARY - Detections

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
200-1636-3	ISCO-MW3					
Acetone		8.9	J B	16	ug/L	SOM01.2/VOA_Tr
Methyl tert-butyl ether		0.29	J	1.6	ug/L	SOM01.2/VOA_Tr
cis-1,2-Dichloroethene		0.85	J	1.6	ug/L	SOM01.2/VOA_Tr
Trichloroethene		550	D	18	ug/L	SOM01.2/VOA_Tr
Toluene		0.13	J	1.6	ug/L	SOM01.2/VOA_Tr
Tetrachloroethene		4.7		1.6	ug/L	SOM01.2/VOA_Tr
Aluminum		13500		200	ug/L	ILM05.4/ICP
Barium		113	J	200	ug/L	ILM05.4/ICP
Beryllium		2.0	J	5.0	ug/L	ILM05.4/ICP
Calcium		18100		5000	ug/L	ILM05.4/ICP
Chromium		24.1		10.0	ug/L	ILM05.4/ICP
Copper		5.7	J	25.0	ug/L	ILM05.4/ICP
Iron		764		100	ug/L	ILM05.4/ICP
Potassium		10700		5000	ug/L	ILM05.4/ICP
Magnesium		9210		5000	ug/L	ILM05.4/ICP
Manganese		42.8		15.0	ug/L	ILM05.4/ICP
Sodium		20200		5000	ug/L	ILM05.4/ICP
Nickel		312		40.0	ug/L	ILM05.4/ICP
Lead		4.3	J	10.0	ug/L	ILM05.4/ICP
Zinc		17.3	J	60.0	ug/L	ILM05.4/ICP
Vanadium		2.2	J	50.0	ug/L	ILM05.4/ICP
Chloride		18.5		5.0	mg/L	300.0
Fluoride		32.1		1.0	mg/L	300.0
Sulfate		36.2		5.0	mg/L	300.0
Alkalinity		32.3		5.0	mg/L	SM 2320B
Total Dissolved Solids		231		5.0	mg/L	SM 2540C
Total Suspended Solids		48.5		5.0	mg/L	SM 2540D
Total Organic Carbon		1.2		1.0	mg/L	SM 5310B

EXECUTIVE SUMMARY - Detections

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
200-1636-4	ISCO-MW4					
Acetone		11	J B	20	ug/L	SOM01.2/VOA_Tr
Methyl tert-butyl ether		0.54	J	2.0	ug/L	SOM01.2/VOA_Tr
cis-1,2-Dichloroethene		0.83	J	2.0	ug/L	SOM01.2/VOA_Tr
Trichloroethene		690	D	20	ug/L	SOM01.2/VOA_Tr
Tetrachloroethene		8.7		2.0	ug/L	SOM01.2/VOA_Tr
Aluminum		8740		200	ug/L	ILM05.4/ICP
Barium		67.6	J	200	ug/L	ILM05.4/ICP
Beryllium		1.5	J	5.0	ug/L	ILM05.4/ICP
Calcium		14500		5000	ug/L	ILM05.4/ICP
Cobalt		1.5	J	50.0	ug/L	ILM05.4/ICP
Chromium		64.6		10.0	ug/L	ILM05.4/ICP
Iron		90.1	J	100	ug/L	ILM05.4/ICP
Potassium		28900		5000	ug/L	ILM05.4/ICP
Magnesium		6050		5000	ug/L	ILM05.4/ICP
Manganese		1780		15.0	ug/L	ILM05.4/ICP
Sodium		30600		5000	ug/L	ILM05.4/ICP
Nickel		196		40.0	ug/L	ILM05.4/ICP
Lead		6.1	J	10.0	ug/L	ILM05.4/ICP
Zinc		30.1	J	60.0	ug/L	ILM05.4/ICP
Vanadium		1.8	J	50.0	ug/L	ILM05.4/ICP
Chloride		27.0		5.0	mg/L	300.0
Fluoride		25.2		1.0	mg/L	300.0
Sulfate		39.3		5.0	mg/L	300.0
Alkalinity		27.6		5.0	mg/L	SM 2320B
Total Dissolved Solids		240		5.0	mg/L	SM 2540C
Total Suspended Solids		8.5		5.0	mg/L	SM 2540D
Total Organic Carbon		1.3		1.0	mg/L	SM 5310B

EXECUTIVE SUMMARY - Detections

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
200-1636-5	ISCO-MW5					
Acetone		2.8	J B	6.0	ug/L	SOM01.2/VOA_Tr
Methyl tert-butyl ether		0.82		0.60	ug/L	SOM01.2/VOA_Tr
cis-1,2-Dichloroethene		0.83		0.60	ug/L	SOM01.2/VOA_Tr
Chloroform		0.41	J	0.60	ug/L	SOM01.2/VOA_Tr
1,1,1-Trichloroethane		0.14	J	0.60	ug/L	SOM01.2/VOA_Tr
Trichloroethene		200	D	6.6	ug/L	SOM01.2/VOA_Tr
Toluene		0.083	J	0.60	ug/L	SOM01.2/VOA_Tr
Tetrachloroethene		2.7		0.60	ug/L	SOM01.2/VOA_Tr
m,p-Xylene		0.068	J	0.60	ug/L	SOM01.2/VOA_Tr
Aluminum		813		200	ug/L	ILM05.4/ICP
Barium		39.4	J	200	ug/L	ILM05.4/ICP
Calcium		20400		5000	ug/L	ILM05.4/ICP
Chromium		46.7		10.0	ug/L	ILM05.4/ICP
Iron		22.7	J	100	ug/L	ILM05.4/ICP
Potassium		7020		5000	ug/L	ILM05.4/ICP
Magnesium		11200		5000	ug/L	ILM05.4/ICP
Manganese		25.5		15.0	ug/L	ILM05.4/ICP
Sodium		44000		5000	ug/L	ILM05.4/ICP
Nickel		23.3	J	40.0	ug/L	ILM05.4/ICP
Zinc		16.1	J	60.0	ug/L	ILM05.4/ICP
Chloride		38.2		5.0	mg/L	300.0
Fluoride		2.4		1.0	mg/L	300.0
Sulfate		43.6		5.0	mg/L	300.0
Alkalinity		38.9		5.0	mg/L	SM 2320B
Total Dissolved Solids		269		5.0	mg/L	SM 2540C
Total Organic Carbon		1.5		1.0	mg/L	SM 5310B
200-1636-6	TB					
Acetone		2.0	J B	5.0	ug/L	SOM01.2/VOA_Tr
Methylene chloride		9.5		0.50	ug/L	SOM01.2/VOA_Tr
Trichloroethene		0.063	J	0.50	ug/L	SOM01.2/VOA_Tr
200-1636-7	VHBLK01					
Acetone		2.1	J B	5.0	ug/L	SOM01.2/VOA_Tr

METHOD SUMMARY

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Trace Water	TAL BUR	SOM01.2	SOM01.2/VOA_Tr
Volatile sample preservation, Field Preserved Water	TAL BUR		SOM01.2 SOM01.2/VOA_PR
Cold Vapor Mercury Analysis	TAL BUR	ILM05.4	ILM05.4/HG
Water Sample Preparation (CW1)	TAL BUR		ILM05.4 ILM05.4/HG_CW1
Inductively Coupled Plasma - Atomic Emission Spectroscopy	TAL BUR	ILM05.4	ILM05.4/ICP
Water Sample Preparation for ICP-AES (HW1)	TAL BUR		ILM05.4 ILM05.4_HW1
Anions, Ion Chromatography	TAL SAV	MCAWW	300.0
Alkalinity	TAL SAV	SM	SM 2320B
Solids, Total Dissolved (TDS)	TAL SAV	SM	SM 2540C
Solids, Total Suspended (TSS)	TAL SAV	SM	SM 2540D
Organic Carbon, Total (TOC)	TAL SAV	SM	SM 5310B

Lab References:

TAL BUR = TestAmerica Burlington

TAL SAV = TestAmerica Savannah

Method References:

ILM05.4 = U.S. Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SOM01.2 = U.S. Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Method	Analyst	Analyst ID
SOM01.2 SOM01.2/VOA_Tr	Peterson, Cindy M	CMP
ILM05.4 ILM05.4/HG	Sachs, Austin L	ALS
ILM05.4 ILM05.4/ICP	Sheldon, Travis F	TFS
MCAWW 300.0	Brazell, Connie	CB
SM SM 2320B	Robinson, Tiffany	TR
SM SM 2540C	Robinson, Tiffany	TR
SM SM 2540D	Robinson, Tiffany	TR
SM SM 5310B	McDonald, Debbie	DAM

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW1

Lab Sample ID: 200-1636-1

Client Matrix: Water

Date Sampled: 09/18/2010 1115

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-7052	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmd05.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1658		Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1658			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.50	U	0.50
Bromomethane	0.50	U	0.50
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.50	U	0.50
1,1-Dichloroethene	0.50	U	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50
Acetone	2.3	J B	5.0
Carbon disulfide	0.50	U	0.50
Methyl acetate	0.50	U	0.50
Methylene chloride	0.50	U	0.50
trans-1,2-Dichloroethene	0.50	U	0.50
Methyl tert-butyl ether	1.6		0.50
1,1-Dichloroethane	0.50	U	0.50
cis-1,2-Dichloroethene	0.46	J	0.50
2-Butanone	5.0	U	5.0
Bromochloromethane	0.50	U	0.50
Chloroform	0.47	J	0.50
1,1,1-Trichloroethane	0.11	J	0.50
Cyclohexane	0.50	U	0.50
Carbon tetrachloride	0.50	U	0.50
Benzene	0.50	U	0.50
1,2-Dichloroethane	0.50	U	0.50
Trichloroethene	76	E	0.50
Methylcyclohexane	0.50	U	0.50
1,2-Dichloropropane	0.50	U	0.50
Bromodichloromethane	0.50	U	0.50
cis-1,3-Dichloropropene	0.50	U	0.50
4-Methyl-2-pentanone	5.0	U	5.0
Toluene	0.10	J	0.50
trans-1,3-Dichloropropene	0.50	U	0.50
1,1,2-Trichloroethane	0.50	U	0.50
Tetrachloroethene	0.97		0.50
2-Hexanone	5.0	U	5.0
Dibromochloromethane	0.50	U	0.50
1,2-Dibromoethane	0.50	U	0.50
Chlorobenzene	0.50	U	0.50
Ethylbenzene	0.50	U	0.50
o-Xylene	0.50	U	0.50
m,p-Xylene	0.060	J	0.50
Styrene	0.50	U	0.50
Bromoform	0.50	U	0.50
Isopropylbenzene	0.50	U	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.50
1,3-Dichlorobenzene	0.50	U	0.50

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW1

Lab Sample ID: 200-1636-1

Date Sampled: 09/18/2010 1115

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-7052	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmd05.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1658		Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1658			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	0.50	U	0.50
1,2-Dichlorobenzene	0.50	U	0.50
1,2-Dibromo-3-chloropropane	0.50	U	0.50
1,2,4-Trichlorobenzene	0.50	U	0.50
1,2,3-Trichlorobenzene	0.031	J B	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	101		65 - 131
Chloroethane-d5	102		71 - 131
1,1-Dichloroethene-d2	79		55 - 104
2-Butanone-d5	101		49 - 155
Chloroform-d	101		78 - 121
1,2-Dichloroethane-d4	103		78 - 129
Benzene-d6	105		77 - 124
1,2-Dichloropropane-d6	93		79 - 124
Toluene-d8	103		77 - 121
trans-1,3-Dichloropropene-d4	100		73 - 121
2-Hexanone-d5	99		28 - 135
1,1,2,2-Tetrachloroethane-d2	101		73 - 125
1,2-Dichlorobenzene-d4	107		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW1

Lab Sample ID: 200-1636-1

Date Sampled: 09/18/2010 1115

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method: SOM01.2/VOA_Tr
Preparation: SOM01.2/VOA_PR
Dilution: 1.0
Date Analyzed: 09/23/2010 1658
Date Prepared: 09/23/2010 1658

Analysis Batch: 200-7052

Instrument ID: J.i
Lab File ID: jbmd05.d
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	1.68	0.83	B J
	Unknown	6.93	2.7	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	1.4	B J N
	Unknown siloxane derivative	10.72	1.4	B J

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes		

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW1

Lab Sample ID: 200-1636-1

Client Matrix: Water

Date Sampled: 09/18/2010 1115

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-6993	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbm13.d
Dilution:	4.6		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1159	Run Type: DL	Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1159			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	2.3	U	2.3
Chloromethane	2.3	U	2.3
Vinyl chloride	2.3	U	2.3
Bromomethane	2.3	U	2.3
Chloroethane	2.3	U	2.3
Trichlorofluoromethane	2.3	U	2.3
1,1-Dichloroethene	2.3	U	2.3
1,1,2-Trichloro-1,2,2-trifluoroethane	2.3	U	2.3
Acetone	12	J D B	23
Carbon disulfide	2.3	U	2.3
Methyl acetate	2.3	U	2.3
Methylene chloride	2.3	U	2.3
trans-1,2-Dichloroethene	2.3	U	2.3
Methyl tert-butyl ether	1.7	J D	2.3
1,1-Dichloroethane	2.3	U	2.3
cis-1,2-Dichloroethene	0.51	J D	2.3
2-Butanone	23	U	23
Bromochloromethane	2.3	U	2.3
Chloroform	0.50	J D	2.3
1,1,1-Trichloroethane	2.3	U	2.3
Cyclohexane	2.3	U	2.3
Carbon tetrachloride	2.3	U	2.3
Benzene	2.3	U	2.3
1,2-Dichloroethane	2.3	U	2.3
Trichloroethene	70	D	2.3
Methylcyclohexane	2.3	U	2.3
1,2-Dichloropropane	2.3	U	2.3
Bromodichloromethane	2.3	U	2.3
cis-1,3-Dichloropropene	2.3	U	2.3
4-Methyl-2-pentanone	23	U	23
Toluene	0.15	J D	2.3
trans-1,3-Dichloropropene	2.3	U	2.3
1,1,2-Trichloroethane	2.3	U	2.3
Tetrachloroethene	0.86	J D	2.3
2-Hexanone	23	U	23
Dibromochloromethane	2.3	U	2.3
1,2-Dibromoethane	2.3	U	2.3
Chlorobenzene	2.3	U	2.3
Ethylbenzene	2.3	U	2.3
o-Xylene	2.3	U	2.3
m,p-Xylene	2.3	U	2.3
Styrene	2.3	U	2.3
Bromoform	2.3	U	2.3
Isopropylbenzene	2.3	U	2.3
1,1,2,2-Tetrachloroethane	2.3	U	2.3
1,3-Dichlorobenzene	2.3	U	2.3

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW1

Lab Sample ID: 200-1636-1

Date Sampled: 09/18/2010 1115

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-6993	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmc13.d
Dilution:	4.6		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1159	Run Type: DL	Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1159			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	2.3	U	2.3
1,2-Dichlorobenzene	2.3	U	2.3
1,2-Dibromo-3-chloropropane	2.3	U	2.3
1,2,4-Trichlorobenzene	2.3	U	2.3
1,2,3-Trichlorobenzene	2.3	U	2.3

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	98		65 - 131
Chloroethane-d5	101		71 - 131
1,1-Dichloroethene-d2	76		55 - 104
2-Butanone-d5	102		49 - 155
Chloroform-d	100		78 - 121
1,2-Dichloroethane-d4	106		78 - 129
Benzene-d6	105		77 - 124
1,2-Dichloropropane-d6	91		79 - 124
Toluene-d8	100		77 - 121
trans-1,3-Dichloropropene-d4	102		73 - 121
2-Hexanone-d5	99		28 - 135
1,1,2,2-Tetrachloroethane-d2	103		73 - 125
1,2-Dichlorobenzene-d4	105		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW1

Lab Sample ID: 200-1636-1

Date Sampled: 09/18/2010 1115

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-6993	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmc13.d
Dilution:	4.6		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1159	Run Type: DL	Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1159			

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
420-56-4	Trimethylsilyl fluoride	1.68	2.4	D J N
	Unknown	6.93	12	B X D J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	4.8	B D J N
	Unknown siloxane derivative	10.72	3.8	B D J

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes		

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW2

Lab Sample ID: 200-1636-2

Date Sampled: 09/18/2010 1250

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-6993	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmcl4.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1227		Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1227			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.50	U	0.50
Bromomethane	0.50	U	0.50
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.50	U	0.50
1,1-Dichloroethene	0.50	U	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50
Acetone	10	B	5.0
Carbon disulfide	1.1		0.50
Methyl acetate	0.50	U	0.50
Methylene chloride	0.50	U	0.50
trans-1,2-Dichloroethene	0.50	U	0.50
Methyl tert-butyl ether	1.1		0.50
1,1-Dichloroethane	0.50	U	0.50
cis-1,2-Dichloroethene	0.50	U	0.50
2-Butanone	5.0	U	5.0
Bromochloromethane	0.50	U	0.50
Chloroform	0.45	J	0.50
1,1,1-Trichloroethane	0.11	J	0.50
Cyclohexane	0.50	U	0.50
Carbon tetrachloride	0.50	U	0.50
Benzene	0.50	U	0.50
1,2-Dichloroethane	0.50	U	0.50
Trichloroethene	0.50	U	0.50
Methylcyclohexane	0.50	U	0.50
1,2-Dichloropropane	0.50	U	0.50
Bromodichloromethane	0.50	U	0.50
cis-1,3-Dichloropropene	0.50	U	0.50
4-Methyl-2-pentanone	5.0	U	5.0
Toluene	0.050	J	0.50
trans-1,3-Dichloropropene	0.50	U	0.50
1,1,2-Trichloroethane	0.50	U	0.50
Tetrachloroethene	1.5		0.50
2-Hexanone	5.0	U	5.0
Dibromochloromethane	0.50	U	0.50
1,2-Dibromoethane	0.50	U	0.50
Chlorobenzene	0.50	U	0.50
Ethylbenzene	0.50	U	0.50
o-Xylene	0.50	U	0.50
m,p-Xylene	0.50	U	0.50
Styrene	0.50	U	0.50
Bromoform	0.50	U	0.50
Isopropylbenzene	0.50	U	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.50
1,3-Dichlorobenzene	0.50	U	0.50

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW2

Lab Sample ID: 200-1636-2

Date Sampled: 09/18/2010 1250

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-6993	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmc14.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1227		Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1227			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	0.50	U	0.50
1,2-Dichlorobenzene	0.50	U	0.50
1,2-Dibromo-3-chloropropane	0.50	U	0.50
1,2,4-Trichlorobenzene	0.50	U	0.50
1,2,3-Trichlorobenzene	0.50	U	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	0	*	65 - 131
Chloroethane-d5	100		71 - 131
1,1-Dichloroethene-d2	31	*	55 - 104
2-Butanone-d5	107		49 - 155
Chloroform-d	100		78 - 121
1,2-Dichloroethane-d4	106		78 - 129
Benzene-d6	106		77 - 124
1,2-Dichloropropane-d6	94		79 - 124
Toluene-d8	101		77 - 121
trans-1,3-Dichloropropene-d4	0	*	73 - 121
2-Hexanone-d5	103		28 - 135
1,1,2,2-Tetrachloroethane-d2	104		73 - 125
1,2-Dichlorobenzene-d4	106		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW2

Lab Sample ID: 200-1636-2

Date Sampled: 09/18/2010 1250

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method: SOM01.2/VOA_Tr
Preparation: SOM01.2/VOA_PR
Dilution: 1.0
Date Analyzed: 09/23/2010 1227
Date Prepared: 09/23/2010 1227

Analysis Batch: 200-6993

Instrument ID: J.i
Lab File ID: jbmcl4.d
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Tentatively Identified Compounds**Number TIC's Found: 3**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	1.43	0.74	J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.89	0.66	B J N
124-19-6	Nonanal	13.04	0.68	J N

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes		

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW3

Lab Sample ID: 200-1636-3

Date Sampled: 09/18/2010 1630

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-7052	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmd07.d
Dilution:	3.3		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1754		Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1754			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	1.6	U	1.6
Chloromethane	1.6	U	1.6
Vinyl chloride	1.6	U	1.6
Bromomethane	1.6	U	1.6
Chloroethane	1.6	U	1.6
Trichlorofluoromethane	1.6	U	1.6
1,1-Dichloroethene	1.6	U	1.6
1,1,2-Trichloro-1,2,2-trifluoroethane	1.6	U	1.6
Acetone	8.9	J B	16
Carbon disulfide	1.6	U	1.6
Methyl acetate	1.6	U	1.6
Methylene chloride	1.6	U	1.6
trans-1,2-Dichloroethene	1.6	U	1.6
Methyl tert-butyl ether	0.29	J	1.6
1,1-Dichloroethane	1.6	U	1.6
cis-1,2-Dichloroethene	0.85	J	1.6
2-Butanone	16	U	16
Bromochloromethane	1.6	U	1.6
Chloroform	1.6	U	1.6
1,1,1-Trichloroethane	1.6	U	1.6
Cyclohexane	1.6	U	1.6
Carbon tetrachloride	1.6	U	1.6
Benzene	1.6	U	1.6
1,2-Dichloroethane	1.6	U	1.6
Trichloroethene	590	E	1.6
Methylcyclohexane	1.6	U	1.6
1,2-Dichloropropane	1.6	U	1.6
Bromodichloromethane	1.6	U	1.6
cis-1,3-Dichloropropene	1.6	U	1.6
4-Methyl-2-pentanone	16	U	16
Toluene	0.13	J	1.6
trans-1,3-Dichloropropene	1.6	U	1.6
1,1,2-Trichloroethane	1.6	U	1.6
Tetrachloroethene	4.7		1.6
2-Hexanone	16	U	16
Dibromochloromethane	1.6	U	1.6
1,2-Dibromoethane	1.6	U	1.6
Chlorobenzene	1.6	U	1.6
Ethylbenzene	1.6	U	1.6
o-Xylene	1.6	U	1.6
m,p-Xylene	1.6	U	1.6
Styrene	1.6	U	1.6
Bromoform	1.6	U	1.6
Isopropylbenzene	1.6	U	1.6
1,1,2,2-Tetrachloroethane	1.6	U	1.6
1,3-Dichlorobenzene	1.6	U	1.6

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW3

Lab Sample ID: 200-1636-3

Date Sampled: 09/18/2010 1630

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-7052	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmd07.d
Dilution:	3.3		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1754		Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1754			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	1.6	U	1.6
1,2-Dichlorobenzene	1.6	U	1.6
1,2-Dibromo-3-chloropropane	1.6	U	1.6
1,2,4-Trichlorobenzene	1.6	U	1.6
1,2,3-Trichlorobenzene	1.6	U	1.6

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	102		65 - 131
Chloroethane-d5	103		71 - 131
1,1-Dichloroethene-d2	79		55 - 104
2-Butanone-d5	106		49 - 155
Chloroform-d	102		78 - 121
1,2-Dichloroethane-d4	106		78 - 129
Benzene-d6	108		77 - 124
1,2-Dichloropropane-d6	96		79 - 124
Toluene-d8	105		77 - 121
trans-1,3-Dichloropropene-d4	103		73 - 121
2-Hexanone-d5	101		28 - 135
1,1,2,2-Tetrachloroethane-d2	104		73 - 125
1,2-Dichlorobenzene-d4	110		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW3

Lab Sample ID: 200-1636-3

Date Sampled: 09/18/2010 1630

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-7052	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmd07.d
Dilution:	3.3		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1754		Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1754			

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	1.68	14	B J
	Unknown	6.93	9.3	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	3.6	B J N
	Unknown siloxane derivative	10.72	3.0	B J

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes		

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW3

Lab Sample ID: 200-1636-3

Date Sampled: 09/18/2010 1630

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-6993	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmc15.d
Dilution:	36.7		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1255	Run Type: DL	Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1255			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	18	U	18
Chloromethane	18	U	18
Vinyl chloride	18	U	18
Bromomethane	18	U	18
Chloroethane	18	U	18
Trichlorofluoromethane	18	U	18
1,1-Dichloroethene	18	U	18
1,1,2-Trichloro-1,2,2-trifluoroethane	18	U	18
Acetone	240	D B	180
Carbon disulfide	18	U	18
Methyl acetate	18	U	18
Methylene chloride	18	U	18
trans-1,2-Dichloroethene	18	U	18
Methyl tert-butyl ether	18	U	18
1,1-Dichloroethane	18	U	18
cis-1,2-Dichloroethene	18	U	18
2-Butanone	180	U	180
Bromochloromethane	18	U	18
Chloroform	18	U	18
1,1,1-Trichloroethane	18	U	18
Cyclohexane	18	U	18
Carbon tetrachloride	18	U	18
Benzene	18	U	18
1,2-Dichloroethane	18	U	18
Trichloroethene	550	D	18
Methylcyclohexane	18	U	18
1,2-Dichloropropane	18	U	18
Bromodichloromethane	18	U	18
cis-1,3-Dichloropropene	18	U	18
4-Methyl-2-pentanone	180	U	180
Toluene	18	U	18
trans-1,3-Dichloropropene	18	U	18
1,1,2-Trichloroethane	18	U	18
Tetrachloroethene	4.2	J D	18
2-Hexanone	180	U	180
Dibromochloromethane	18	U	18
1,2-Dibromoethane	18	U	18
Chlorobenzene	18	U	18
Ethylbenzene	18	U	18
o-Xylene	18	U	18
m,p-Xylene	18	U	18
Styrene	18	U	18
Bromoform	18	U	18
Isopropylbenzene	18	U	18
1,1,2,2-Tetrachloroethane	18	U	18
1,3-Dichlorobenzene	18	U	18

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW3

Lab Sample ID: 200-1636-3

Date Sampled: 09/18/2010 1630

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-6993	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmc15.d
Dilution:	36.7		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1255	Run Type: DL	Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1255			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	18	U	18
1,2-Dichlorobenzene	18	U	18
1,2-Dibromo-3-chloropropane	18	U	18
1,2,4-Trichlorobenzene	18	U	18
1,2,3-Trichlorobenzene	18	U	18

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	101		65 - 131
Chloroethane-d5	102		71 - 131
1,1-Dichloroethene-d2	78		55 - 104
2-Butanone-d5	106		49 - 155
Chloroform-d	104		78 - 121
1,2-Dichloroethane-d4	109		78 - 129
Benzene-d6	106		77 - 124
1,2-Dichloropropane-d6	97		79 - 124
Toluene-d8	104		77 - 121
trans-1,3-Dichloropropene-d4	103		73 - 121
2-Hexanone-d5	102		28 - 135
1,1,2,2-Tetrachloroethane-d2	103		73 - 125
1,2-Dichlorobenzene-d4	108		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW3

Lab Sample ID: 200-1636-3

Date Sampled: 09/18/2010 1630

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-6993	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmcl5.d
Dilution:	36.7		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1255	Run Type: DL	Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1255			

Tentatively Identified Compounds**Number TIC's Found: 2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	6.93	100	B X D J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	21	B D J N

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes		

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW4

Lab Sample ID: 200-1636-4

Date Sampled: 09/19/2010 1210

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-7052	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmd09.d
Dilution:	4.0		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1849		Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1849			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	2.0	U	2.0
Chloromethane	2.0	U	2.0
Vinyl chloride	2.0	U	2.0
Bromomethane	2.0	U	2.0
Chloroethane	2.0	U	2.0
Trichlorofluoromethane	2.0	U	2.0
1,1-Dichloroethene	2.0	U	2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0
Acetone	11	J B	20
Carbon disulfide	2.0	U	2.0
Methyl acetate	2.0	U	2.0
Methylene chloride	2.0	U	2.0
trans-1,2-Dichloroethene	2.0	U	2.0
Methyl tert-butyl ether	0.54	J	2.0
1,1-Dichloroethane	2.0	U	2.0
cis-1,2-Dichloroethene	0.83	J	2.0
2-Butanone	20	U	20
Bromochloromethane	2.0	U	2.0
Chloroform	2.0	U	2.0
1,1,1-Trichloroethane	2.0	U	2.0
Cyclohexane	2.0	U	2.0
Carbon tetrachloride	2.0	U	2.0
Benzene	2.0	U	2.0
1,2-Dichloroethane	2.0	U	2.0
Trichloroethene	730	E	2.0
Methylcyclohexane	2.0	U	2.0
1,2-Dichloropropane	2.0	U	2.0
Bromodichloromethane	2.0	U	2.0
cis-1,3-Dichloropropene	2.0	U	2.0
4-Methyl-2-pentanone	20	U	20
Toluene	2.0	U	2.0
trans-1,3-Dichloropropene	2.0	U	2.0
1,1,2-Trichloroethane	2.0	U	2.0
Tetrachloroethene	8.7		2.0
2-Hexanone	20	U	20
Dibromochloromethane	2.0	U	2.0
1,2-Dibromoethane	2.0	U	2.0
Chlorobenzene	2.0	U	2.0
Ethylbenzene	2.0	U	2.0
o-Xylene	2.0	U	2.0
m,p-Xylene	2.0	U	2.0
Styrene	2.0	U	2.0
Bromoform	2.0	U	2.0
Isopropylbenzene	2.0	U	2.0
1,1,2,2-Tetrachloroethane	2.0	U	2.0
1,3-Dichlorobenzene	2.0	U	2.0

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW4

Lab Sample ID: 200-1636-4

Date Sampled: 09/19/2010 1210

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-7052	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmd09.d
Dilution:	4.0		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1849		Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1849			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	2.0	U	2.0
1,2-Dichlorobenzene	2.0	U	2.0
1,2-Dibromo-3-chloropropane	2.0	U	2.0
1,2,4-Trichlorobenzene	2.0	U	2.0
1,2,3-Trichlorobenzene	2.0	U	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	97		65 - 131
Chloroethane-d5	105		71 - 131
1,1-Dichloroethene-d2	79		55 - 104
2-Butanone-d5	105		49 - 155
Chloroform-d	103		78 - 121
1,2-Dichloroethane-d4	109		78 - 129
Benzene-d6	108		77 - 124
1,2-Dichloropropane-d6	97		79 - 124
Toluene-d8	106		77 - 121
trans-1,3-Dichloropropene-d4	99		73 - 121
2-Hexanone-d5	104		28 - 135
1,1,2,2-Tetrachloroethane-d2	109		73 - 125
1,2-Dichlorobenzene-d4	111		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW4

Lab Sample ID: 200-1636-4

Date Sampled: 09/19/2010 1210

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method: SOM01.2/VOA_Tr
Preparation: SOM01.2/VOA_PR
Dilution: 4.0
Date Analyzed: 09/23/2010 1849
Date Prepared: 09/23/2010 1849

Analysis Batch: 200-7052

Instrument ID: J.i
Lab File ID: jbmd09.d
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	1.68	8.6	B J
	Unknown	6.93	11	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	4.6	B J N
	Unknown siloxane derivative	10.73	4.1	B J

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes		

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW4

Lab Sample ID: 200-1636-4

Date Sampled: 09/19/2010 1210

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-6993	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmcl6.d
Dilution:	40		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1323	Run Type: DL	Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1323			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	20	U	20
Chloromethane	20	U	20
Vinyl chloride	20	U	20
Bromomethane	20	U	20
Chloroethane	20	U	20
Trichlorofluoromethane	20	U	20
1,1-Dichloroethene	20	U	20
1,1,2-Trichloro-1,2,2-trifluoroethane	20	U	20
Acetone	130	J D B	200
Carbon disulfide	20	U	20
Methyl acetate	20	U	20
Methylene chloride	20	U	20
trans-1,2-Dichloroethene	20	U	20
Methyl tert-butyl ether	20	U	20
1,1-Dichloroethane	20	U	20
cis-1,2-Dichloroethene	20	U	20
2-Butanone	200	U	200
Bromochloromethane	20	U	20
Chloroform	20	U	20
1,1,1-Trichloroethane	20	U	20
Cyclohexane	20	U	20
Carbon tetrachloride	20	U	20
Benzene	20	U	20
1,2-Dichloroethane	20	U	20
Trichloroethene	690	D	20
Methylcyclohexane	20	U	20
1,2-Dichloropropane	20	U	20
Bromodichloromethane	20	U	20
cis-1,3-Dichloropropene	20	U	20
4-Methyl-2-pentanone	200	U	200
Toluene	20	U	20
trans-1,3-Dichloropropene	20	U	20
1,1,2-Trichloroethane	20	U	20
Tetrachloroethene	9.3	J D	20
2-Hexanone	200	U	200
Dibromochloromethane	20	U	20
1,2-Dibromoethane	20	U	20
Chlorobenzene	20	U	20
Ethylbenzene	20	U	20
o-Xylene	20	U	20
m,p-Xylene	20	U	20
Styrene	20	U	20
Bromoform	20	U	20
Isopropylbenzene	20	U	20
1,1,2,2-Tetrachloroethane	20	U	20
1,3-Dichlorobenzene	20	U	20

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW4

Lab Sample ID: 200-1636-4

Date Sampled: 09/19/2010 1210

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-6993	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmc16.d
Dilution:	40		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1323	Run Type: DL	Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1323			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	20	U	20
1,2-Dichlorobenzene	20	U	20
1,2-Dibromo-3-chloropropane	20	U	20
1,2,4-Trichlorobenzene	20	U	20
1,2,3-Trichlorobenzene	20	U	20

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	97		65 - 131
Chloroethane-d5	99		71 - 131
1,1-Dichloroethene-d2	76		55 - 104
2-Butanone-d5	105		49 - 155
Chloroform-d	100		78 - 121
1,2-Dichloroethane-d4	104		78 - 129
Benzene-d6	103		77 - 124
1,2-Dichloropropane-d6	93		79 - 124
Toluene-d8	100		77 - 121
trans-1,3-Dichloropropene-d4	98		73 - 121
2-Hexanone-d5	99		28 - 135
1,1,2,2-Tetrachloroethane-d2	105		73 - 125
1,2-Dichlorobenzene-d4	104		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW4

Lab Sample ID: 200-1636-4

Date Sampled: 09/19/2010 1210

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-6993	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmc16.d
Dilution:	40		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1323	Run Type: DL	Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1323			

Tentatively Identified Compounds**Number TIC's Found: 3**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	1.68	22	D J
	Unknown	6.93	110	B X D J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	24	B D J N

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes		

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW5

Lab Sample ID: 200-1636-5

Date Sampled: 09/19/2010 1000

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-7052	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmd11.d
Dilution:	1.2		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1945		Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1945			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	0.60	U	0.60
Chloromethane	0.60	U	0.60
Vinyl chloride	0.60	U	0.60
Bromomethane	0.60	U	0.60
Chloroethane	0.60	U	0.60
Trichlorofluoromethane	0.60	U	0.60
1,1-Dichloroethene	0.60	U	0.60
1,1,2-Trichloro-1,2,2-trifluoroethane	0.60	U	0.60
Acetone	2.8	J B	6.0
Carbon disulfide	0.60	U	0.60
Methyl acetate	0.60	U	0.60
Methylene chloride	0.60	U	0.60
trans-1,2-Dichloroethene	0.60	U	0.60
Methyl tert-butyl ether	0.82		0.60
1,1-Dichloroethane	0.60	U	0.60
cis-1,2-Dichloroethene	0.83		0.60
2-Butanone	6.0	U	6.0
Bromochloromethane	0.60	U	0.60
Chloroform	0.41	J	0.60
1,1,1-Trichloroethane	0.14	J	0.60
Cyclohexane	0.60	U	0.60
Carbon tetrachloride	0.60	U	0.60
Benzene	0.60	U	0.60
1,2-Dichloroethane	0.60	U	0.60
Trichloroethene	220	E	0.60
Methylcyclohexane	0.60	U	0.60
1,2-Dichloropropane	0.60	U	0.60
Bromodichloromethane	0.60	U	0.60
cis-1,3-Dichloropropene	0.60	U	0.60
4-Methyl-2-pentanone	6.0	U	6.0
Toluene	0.083	J	0.60
trans-1,3-Dichloropropene	0.60	U	0.60
1,1,2-Trichloroethane	0.60	U	0.60
Tetrachloroethene	2.7		0.60
2-Hexanone	6.0	U	6.0
Dibromochloromethane	0.60	U	0.60
1,2-Dibromoethane	0.60	U	0.60
Chlorobenzene	0.60	U	0.60
Ethylbenzene	0.60	U	0.60
o-Xylene	0.60	U	0.60
m,p-Xylene	0.068	J	0.60
Styrene	0.60	U	0.60
Bromoform	0.60	U	0.60
Isopropylbenzene	0.60	U	0.60
1,1,2,2-Tetrachloroethane	0.60	U	0.60
1,3-Dichlorobenzene	0.60	U	0.60

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW5

Lab Sample ID: 200-1636-5

Date Sampled: 09/19/2010 1000

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-7052	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmd11.d
Dilution:	1.2		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1945		Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1945			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	0.60	U	0.60
1,2-Dichlorobenzene	0.60	U	0.60
1,2-Dibromo-3-chloropropane	0.60	U	0.60
1,2,4-Trichlorobenzene	0.60	U	0.60
1,2,3-Trichlorobenzene	0.60	U	0.60

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	104		65 - 131
Chloroethane-d5	103		71 - 131
1,1-Dichloroethene-d2	80		55 - 104
2-Butanone-d5	107		49 - 155
Chloroform-d	103		78 - 121
1,2-Dichloroethane-d4	110		78 - 129
Benzene-d6	106		77 - 124
1,2-Dichloropropane-d6	98		79 - 124
Toluene-d8	106		77 - 121
trans-1,3-Dichloropropene-d4	105		73 - 121
2-Hexanone-d5	102		28 - 135
1,1,2,2-Tetrachloroethane-d2	107		73 - 125
1,2-Dichlorobenzene-d4	110		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW5

Lab Sample ID: 200-1636-5

Date Sampled: 09/19/2010 1000

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method: SOM01.2/VOA_Tr
Preparation: SOM01.2/VOA_PR
Dilution: 1.2
Date Analyzed: 09/23/2010 1945
Date Prepared: 09/23/2010 1945

Analysis Batch: 200-7052

Instrument ID: J.i
Lab File ID: jbmd11.d
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	1.68	2.0	B J
	Unknown	6.93	3.4	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	1.1	B J N
	Unknown siloxane derivative	10.72	1.1	B J

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes		

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW5

Lab Sample ID: 200-1636-5

Date Sampled: 09/19/2010 1000

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-6993	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmc17.d
Dilution:	13.3		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1352	Run Type: DL	Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1352			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	6.6	U	6.6
Chloromethane	6.6	U	6.6
Vinyl chloride	6.6	U	6.6
Bromomethane	6.6	U	6.6
Chloroethane	6.6	U	6.6
Trichlorofluoromethane	6.6	U	6.6
1,1-Dichloroethene	6.6	U	6.6
1,1,2-Trichloro-1,2,2-trifluoroethane	6.6	U	6.6
Acetone	39	J D B	66
Carbon disulfide	6.6	U	6.6
Methyl acetate	6.6	U	6.6
Methylene chloride	6.6	U	6.6
trans-1,2-Dichloroethene	6.6	U	6.6
Methyl tert-butyl ether	0.83	J D	6.6
1,1-Dichloroethane	6.6	U	6.6
cis-1,2-Dichloroethene	0.83	J D	6.6
2-Butanone	66	U	66
Bromochloromethane	6.6	U	6.6
Chloroform	6.6	U	6.6
1,1,1-Trichloroethane	6.6	U	6.6
Cyclohexane	6.6	U	6.6
Carbon tetrachloride	6.6	U	6.6
Benzene	6.6	U	6.6
1,2-Dichloroethane	6.6	U	6.6
Trichloroethene	200	D	6.6
Methylcyclohexane	6.6	U	6.6
1,2-Dichloropropane	6.6	U	6.6
Bromodichloromethane	6.6	U	6.6
cis-1,3-Dichloropropene	6.6	U	6.6
4-Methyl-2-pentanone	66	U	66
Toluene	6.6	U	6.6
trans-1,3-Dichloropropene	6.6	U	6.6
1,1,2-Trichloroethane	6.6	U	6.6
Tetrachloroethene	2.7	J D	6.6
2-Hexanone	66	U	66
Dibromochloromethane	6.6	U	6.6
1,2-Dibromoethane	6.6	U	6.6
Chlorobenzene	6.6	U	6.6
Ethylbenzene	6.6	U	6.6
o-Xylene	6.6	U	6.6
m,p-Xylene	6.6	U	6.6
Styrene	6.6	U	6.6
Bromoform	6.6	U	6.6
Isopropylbenzene	6.6	U	6.6
1,1,2,2-Tetrachloroethane	6.6	U	6.6
1,3-Dichlorobenzene	6.6	U	6.6

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW5

Lab Sample ID: 200-1636-5

Date Sampled: 09/19/2010 1000

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-6993	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmc17.d
Dilution:	13.3		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1352	Run Type: DL	Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1352			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	6.6	U	6.6
1,2-Dichlorobenzene	6.6	U	6.6
1,2-Dibromo-3-chloropropane	6.6	U	6.6
1,2,4-Trichlorobenzene	6.6	U	6.6
1,2,3-Trichlorobenzene	6.6	U	6.6

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	100		65 - 131
Chloroethane-d5	101		71 - 131
1,1-Dichloroethene-d2	79		55 - 104
2-Butanone-d5	99		49 - 155
Chloroform-d	102		78 - 121
1,2-Dichloroethane-d4	108		78 - 129
Benzene-d6	107		77 - 124
1,2-Dichloropropane-d6	94		79 - 124
Toluene-d8	103		77 - 121
trans-1,3-Dichloropropene-d4	101		73 - 121
2-Hexanone-d5	100		28 - 135
1,1,2,2-Tetrachloroethane-d2	103		73 - 125
1,2-Dichlorobenzene-d4	107		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW5

Lab Sample ID: 200-1636-5

Date Sampled: 09/19/2010 1000

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-6993	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmcl7.d
Dilution:	13.3		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 1352	Run Type: DL	Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 1352			

Tentatively Identified Compounds**Number TIC's Found: 2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	6.93	36	B X D J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	8.8	B D J N

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes		

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: TB

Lab Sample ID: 200-1636-6

Date Sampled: 09/17/2010 0000

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-7052	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmd13.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 2041		Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 2041			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.50	U	0.50
Bromomethane	0.50	U	0.50
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.50	U	0.50
1,1-Dichloroethene	0.50	U	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50
Acetone	2.0	J B	5.0
Carbon disulfide	0.50	U	0.50
Methyl acetate	0.50	U	0.50
Methylene chloride	9.5		0.50
trans-1,2-Dichloroethene	0.50	U	0.50
Methyl tert-butyl ether	0.50	U	0.50
1,1-Dichloroethane	0.50	U	0.50
cis-1,2-Dichloroethene	0.50	U	0.50
2-Butanone	5.0	U	5.0
Bromochloromethane	0.50	U	0.50
Chloroform	0.50	U	0.50
1,1,1-Trichloroethane	0.50	U	0.50
Cyclohexane	0.50	U	0.50
Carbon tetrachloride	0.50	U	0.50
Benzene	0.50	U	0.50
1,2-Dichloroethane	0.50	U	0.50
Trichloroethene	0.063	J	0.50
Methylcyclohexane	0.50	U	0.50
1,2-Dichloropropane	0.50	U	0.50
Bromodichloromethane	0.50	U	0.50
cis-1,3-Dichloropropene	0.50	U	0.50
4-Methyl-2-pentanone	5.0	U	5.0
Toluene	0.50	U	0.50
trans-1,3-Dichloropropene	0.50	U	0.50
1,1,2-Trichloroethane	0.50	U	0.50
Tetrachloroethene	0.50	U	0.50
2-Hexanone	5.0	U	5.0
Dibromochloromethane	0.50	U	0.50
1,2-Dibromoethane	0.50	U	0.50
Chlorobenzene	0.50	U	0.50
Ethylbenzene	0.50	U	0.50
o-Xylene	0.50	U	0.50
m,p-Xylene	0.50	U	0.50
Styrene	0.50	U	0.50
Bromoform	0.50	U	0.50
Isopropylbenzene	0.50	U	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.50
1,3-Dichlorobenzene	0.50	U	0.50

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: TB

Lab Sample ID: 200-1636-6

Date Sampled: 09/17/2010 0000

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-7052	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmd13.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 2041		Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 2041			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	0.50	U	0.50
1,2-Dichlorobenzene	0.50	U	0.50
1,2-Dibromo-3-chloropropane	0.50	U	0.50
1,2,4-Trichlorobenzene	0.50	U	0.50
1,2,3-Trichlorobenzene	0.50	U	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	99		65 - 131
Chloroethane-d5	100		71 - 131
1,1-Dichloroethene-d2	78		55 - 104
2-Butanone-d5	104		49 - 155
Chloroform-d	103		78 - 121
1,2-Dichloroethane-d4	108		78 - 129
Benzene-d6	104		77 - 124
1,2-Dichloropropane-d6	91		79 - 124
Toluene-d8	102		77 - 121
trans-1,3-Dichloropropene-d4	101		73 - 121
2-Hexanone-d5	102		28 - 135
1,1,2,2-Tetrachloroethane-d2	102		73 - 125
1,2-Dichlorobenzene-d4	111		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: TB

Lab Sample ID: 200-1636-6

Date Sampled: 09/17/2010 0000

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method: SOM01.2/VOA_Tr
Preparation: SOM01.2/VOA_PR
Dilution: 1.0
Date Analyzed: 09/23/2010 2041
Date Prepared: 09/23/2010 2041

Analysis Batch: 200-7052

Instrument ID: J.i
Lab File ID: jbmd13.d
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	1.68	0.69	B J
	Unknown	6.93	2.7	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.89	1.4	B J N
	Unknown siloxane derivative	10.73	0.70	B J

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes		

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: VHBLK01

Lab Sample ID: 200-1636-7

Date Sampled: 09/22/2010 0855

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-7052	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmd14.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 2109		Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 2109			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.50	U	0.50
Bromomethane	0.50	U	0.50
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.50	U	0.50
1,1-Dichloroethene	0.50	U	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50
Acetone	2.1	J B	5.0
Carbon disulfide	0.50	U	0.50
Methyl acetate	0.50	U	0.50
Methylene chloride	0.50	U	0.50
trans-1,2-Dichloroethene	0.50	U	0.50
Methyl tert-butyl ether	0.50	U	0.50
1,1-Dichloroethane	0.50	U	0.50
cis-1,2-Dichloroethene	0.50	U	0.50
2-Butanone	5.0	U	5.0
Bromochloromethane	0.50	U	0.50
Chloroform	0.50	U	0.50
1,1,1-Trichloroethane	0.50	U	0.50
Cyclohexane	0.50	U	0.50
Carbon tetrachloride	0.50	U	0.50
Benzene	0.50	U	0.50
1,2-Dichloroethane	0.50	U	0.50
Trichloroethene	0.50	U	0.50
Methylcyclohexane	0.50	U	0.50
1,2-Dichloropropane	0.50	U	0.50
Bromodichloromethane	0.50	U	0.50
cis-1,3-Dichloropropene	0.50	U	0.50
4-Methyl-2-pentanone	5.0	U	5.0
Toluene	0.50	U	0.50
trans-1,3-Dichloropropene	0.50	U	0.50
1,1,2-Trichloroethane	0.50	U	0.50
Tetrachloroethene	0.50	U	0.50
2-Hexanone	5.0	U	5.0
Dibromochloromethane	0.50	U	0.50
1,2-Dibromoethane	0.50	U	0.50
Chlorobenzene	0.50	U	0.50
Ethylbenzene	0.50	U	0.50
o-Xylene	0.50	U	0.50
m,p-Xylene	0.50	U	0.50
Styrene	0.50	U	0.50
Bromoform	0.50	U	0.50
Isopropylbenzene	0.50	U	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.50
1,3-Dichlorobenzene	0.50	U	0.50

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: VHBLK01

Lab Sample ID: 200-1636-7

Date Sampled: 09/22/2010 0855

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-7052	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jbmd14.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	09/23/2010 2109		Final Weight/Volume:	25 mL
Date Prepared:	09/23/2010 2109			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	0.50	U	0.50
1,2-Dichlorobenzene	0.50	U	0.50
1,2-Dibromo-3-chloropropane	0.50	U	0.50
1,2,4-Trichlorobenzene	0.50	U	0.50
1,2,3-Trichlorobenzene	0.50	U	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	97		65 - 131
Chloroethane-d5	99		71 - 131
1,1-Dichloroethene-d2	79		55 - 104
2-Butanone-d5	107		49 - 155
Chloroform-d	104		78 - 121
1,2-Dichloroethane-d4	109		78 - 129
Benzene-d6	106		77 - 124
1,2-Dichloropropane-d6	92		79 - 124
Toluene-d8	102		77 - 121
trans-1,3-Dichloropropene-d4	101		73 - 121
2-Hexanone-d5	101		28 - 135
1,1,2,2-Tetrachloroethane-d2	104		73 - 125
1,2-Dichlorobenzene-d4	110		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: VHBLK01

Lab Sample ID: 200-1636-7

Date Sampled: 09/22/2010 0855

Client Matrix: Water

Date Received: 09/21/2010 1005

SOM01.2/VOA_Tr Trace Water

Method: SOM01.2/VOA_Tr
Preparation: SOM01.2/VOA_PR
Dilution: 1.0
Date Analyzed: 09/23/2010 2109
Date Prepared: 09/23/2010 2109

Analysis Batch: 200-7052

Instrument ID: J.i
Lab File ID: jbmd14.d
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	1.68	0.61	B J
	Unknown	6.93	2.7	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	0.85	B J N
	Unknown siloxane derivative	10.72	0.63	B J

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes		

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW1

Lab Sample ID: 200-1636-1

Date Sampled: 09/18/2010 1115

Client Matrix: Water

Date Received: 09/21/2010 1005

ILM05.4/HG Cold Vapor Mercury Analysis

Method:	ILM05.4/HG	Analysis Batch: 200-6995	Instrument ID:	MEPCV3 II
Preparation:	ILM05.4/HG_CW1	Prep Batch: 200-6896	Lab File ID:	092410BB.PRN
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	09/24/2010 1526		Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1155			

Analyte	Result (ug/L)	Qualifier	MDLE	RL
Mercury	0.99		0.052	0.20

ILM05.4/ICP Inductively Coupled Plasma - Atomic Emission Spectroscopy

Method:	ILM05.4/ICP	Analysis Batch: 200-7028	Instrument ID:	METICP7
Preparation:	ILM05.4_HW1	Prep Batch: 200-6872	Lab File ID:	092510-02.ttx
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	09/25/2010 1311		Final Weight/Volume:	100 mL
Date Prepared:	09/23/2010 0852			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.0	10.0
Aluminum	1060		50.8	200
Arsenic	10.0	U	6.4	10.0
Barium	34.2	J	8.5	200
Beryllium	0.34	J	0.27	5.0
Calcium	21700		168	5000
Cadmium	5.0	U	0.72	5.0
Cobalt	50.0	U	0.90	50.0
Chromium	11.1		0.92	10.0
Copper	25.0	U	3.3	25.0
Iron	76.3	J	9.2	100
Potassium	6440		201	5000
Magnesium	10100		66.6	5000
Manganese	16.3		0.29	15.0
Sodium	28400		73.8	5000
Nickel	32.8	J	1.9	40.0
Lead	5.5	J	3.4	10.0
Antimony	60.0	U	4.7	60.0
Selenium	35.0	U	4.3	35.0
Thallium	25.0	U	1.8	25.0
Zinc	26.2	J	0.51	60.0
Vanadium	50.0	U	1.6	50.0

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW2

Lab Sample ID: 200-1636-2

Date Sampled: 09/18/2010 1250

Client Matrix: Water

Date Received: 09/21/2010 1005

ILM05.4/HG Cold Vapor Mercury Analysis

Method:	ILM05.4/HG	Analysis Batch: 200-6995	Instrument ID:	MEPCV3 II
Preparation:	ILM05.4/HG_CW1	Prep Batch: 200-6896	Lab File ID:	092410BB.PRN
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	09/24/2010 1534		Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1155			

Analyte	Result (ug/L)	Qualifier	MDLE	RL
Mercury	0.20	U	0.052	0.20

ILM05.4/ICP Inductively Coupled Plasma - Atomic Emission Spectroscopy

Method:	ILM05.4/ICP	Analysis Batch: 200-7028	Instrument ID:	METICP7
Preparation:	ILM05.4_HW1	Prep Batch: 200-6872	Lab File ID:	092510-02.ttx
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	09/25/2010 1319		Final Weight/Volume:	100 mL
Date Prepared:	09/23/2010 0852			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.0	10.0
Aluminum	9290		50.8	200
Arsenic	10.0	U	6.4	10.0
Barium	36.9	J	8.5	200
Beryllium	2.0	J	0.27	5.0
Calcium	19000		168	5000
Cadmium	5.0	U	0.72	5.0
Cobalt	50.0	U	0.90	50.0
Chromium	200		0.92	10.0
Copper	3.7	J	3.3	25.0
Iron	319		9.2	100
Potassium	28700		201	5000
Magnesium	8750		66.6	5000
Manganese	7010		0.29	15.0
Sodium	44600		73.8	5000
Nickel	182		1.9	40.0
Lead	7.8	J	3.4	10.0
Antimony	60.0	U	4.7	60.0
Selenium	35.0	U	4.3	35.0
Thallium	25.0	U	1.8	25.0
Zinc	25.2	J	0.51	60.0
Vanadium	2.1	J	1.6	50.0

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW3

Lab Sample ID: 200-1636-3

Date Sampled: 09/18/2010 1630

Client Matrix: Water

Date Received: 09/21/2010 1005

ILM05.4/HG Cold Vapor Mercury Analysis

Method:	ILM05.4/HG	Analysis Batch: 200-6995	Instrument ID:	MEPCV3 II
Preparation:	ILM05.4/HG_CW1	Prep Batch: 200-6896	Lab File ID:	092410BB.PRN
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	09/24/2010 1536		Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1155			

Analyte	Result (ug/L)	Qualifier	MDLE	RL
Mercury	0.20	U	0.052	0.20

ILM05.4/ICP Inductively Coupled Plasma - Atomic Emission Spectroscopy

Method:	ILM05.4/ICP	Analysis Batch: 200-7028	Instrument ID:	METICP7
Preparation:	ILM05.4_HW1	Prep Batch: 200-6872	Lab File ID:	092510-02.ttx
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	09/25/2010 1323		Final Weight/Volume:	100 mL
Date Prepared:	09/23/2010 0852			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.0	10.0
Aluminum	13500		50.8	200
Arsenic	10.0	U	6.4	10.0
Barium	113	J	8.5	200
Beryllium	2.0	J	0.27	5.0
Calcium	18100		168	5000
Cadmium	5.0	U	0.72	5.0
Cobalt	50.0	U	0.90	50.0
Chromium	24.1		0.92	10.0
Copper	5.7	J	3.3	25.0
Iron	764		9.2	100
Potassium	10700		201	5000
Magnesium	9210		66.6	5000
Manganese	42.8		0.29	15.0
Sodium	20200		73.8	5000
Nickel	312		1.9	40.0
Lead	4.3	J	3.4	10.0
Antimony	60.0	U	4.7	60.0
Selenium	35.0	U	4.3	35.0
Thallium	25.0	U	1.8	25.0
Zinc	17.3	J	0.51	60.0
Vanadium	2.2	J	1.6	50.0

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW4

Lab Sample ID: 200-1636-4

Date Sampled: 09/19/2010 1210

Client Matrix: Water

Date Received: 09/21/2010 1005

ILM05.4/HG Cold Vapor Mercury Analysis

Method:	ILM05.4/HG	Analysis Batch: 200-6995	Instrument ID:	MEPCV3 II
Preparation:	ILM05.4/HG_CW1	Prep Batch: 200-6896	Lab File ID:	092410BB.PRN
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	09/24/2010 1538		Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1158			

Analyte	Result (ug/L)	Qualifier	MDLE	RL
Mercury	0.20	U	0.052	0.20

ILM05.4/ICP Inductively Coupled Plasma - Atomic Emission Spectroscopy

Method:	ILM05.4/ICP	Analysis Batch: 200-7028	Instrument ID:	METICP7
Preparation:	ILM05.4_HW1	Prep Batch: 200-6872	Lab File ID:	092510-02.ttx
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	09/25/2010 1327		Final Weight/Volume:	100 mL
Date Prepared:	09/23/2010 0852			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.0	10.0
Aluminum	8740		50.8	200
Arsenic	10.0	U	6.4	10.0
Barium	67.6	J	8.5	200
Beryllium	1.5	J	0.27	5.0
Calcium	14500		168	5000
Cadmium	5.0	U	0.72	5.0
Cobalt	1.5	J	0.90	50.0
Chromium	64.6		0.92	10.0
Copper	25.0	U	3.3	25.0
Iron	90.1	J	9.2	100
Potassium	28900		201	5000
Magnesium	6050		66.6	5000
Manganese	1780		0.29	15.0
Sodium	30600		73.8	5000
Nickel	196		1.9	40.0
Lead	6.1	J	3.4	10.0
Antimony	60.0	U	4.7	60.0
Selenium	35.0	U	4.3	35.0
Thallium	25.0	U	1.8	25.0
Zinc	30.1	J	0.51	60.0
Vanadium	1.8	J	1.6	50.0

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Client Sample ID: ISCO-MW5

Lab Sample ID: 200-1636-5

Date Sampled: 09/19/2010 1000

Client Matrix: Water

Date Received: 09/21/2010 1005

ILM05.4/HG Cold Vapor Mercury Analysis

Method:	ILM05.4/HG	Analysis Batch: 200-6995	Instrument ID:	MEPCV3 II
Preparation:	ILM05.4/HG_CW1	Prep Batch: 200-6896	Lab File ID:	092410BB.PRN
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	09/24/2010 1540		Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1158			

Analyte	Result (ug/L)	Qualifier	MDLE	RL
Mercury	0.20	U	0.052	0.20

ILM05.4/ICP Inductively Coupled Plasma - Atomic Emission Spectroscopy

Method:	ILM05.4/ICP	Analysis Batch: 200-7028	Instrument ID:	METICP7
Preparation:	ILM05.4_HW1	Prep Batch: 200-6872	Lab File ID:	092510-02.ttx
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	09/25/2010 1331		Final Weight/Volume:	100 mL
Date Prepared:	09/23/2010 0852			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	10.0	U	1.0	10.0
Aluminum	813		50.8	200
Arsenic	10.0	U	6.4	10.0
Barium	39.4	J	8.5	200
Beryllium	5.0	U	0.27	5.0
Calcium	20400		168	5000
Cadmium	5.0	U	0.72	5.0
Cobalt	50.0	U	0.90	50.0
Chromium	46.7		0.92	10.0
Copper	25.0	U	3.3	25.0
Iron	22.7	J	9.2	100
Potassium	7020		201	5000
Magnesium	11200		66.6	5000
Manganese	25.5		0.29	15.0
Sodium	44000		73.8	5000
Nickel	23.3	J	1.9	40.0
Lead	10.0	U	3.4	10.0
Antimony	60.0	U	4.7	60.0
Selenium	35.0	U	4.3	35.0
Thallium	25.0	U	1.8	25.0
Zinc	16.1	J	0.51	60.0
Vanadium	50.0	U	1.6	50.0

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

General Chemistry**Client Sample ID:** ISCO-MW1

Lab Sample ID: 200-1636-1

Date Sampled: 09/18/2010 1115

Client Matrix: Water

Date Received: 09/21/2010 1005

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	36.6	N	mg/L	1.0	5.0	5.0	300.0
	Analysis Batch: 680-181849	Date Analyzed: 10/02/2010 2034					
Fluoride	3.0		mg/L	0.20	1.0	5.0	300.0
	Analysis Batch: 680-181849	Date Analyzed: 10/02/2010 2034					
Sulfate	34.1	N	mg/L	2.6	5.0	5.0	300.0
	Analysis Batch: 680-181849	Date Analyzed: 10/02/2010 2034					
Total Organic Carbon	1.0	U	mg/L	0.50	1.0	1.0	SM 5310B
	Analysis Batch: 680-181209	Date Analyzed: 09/27/2010 1236					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	22.0		mg/L	5.0	5.0	1.0	SM 2320B
	Analysis Batch: 680-181224	Date Analyzed: 09/27/2010 1949					
Total Dissolved Solids	213		mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 680-180881	Date Analyzed: 09/23/2010 1829					
Total Suspended Solids	5.0	U	mg/L	5.0	5.0	1.0	SM 2540D
	Analysis Batch: 680-180883	Date Analyzed: 09/23/2010 2021					

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

General Chemistry**Client Sample ID:** ISCO-MW2

Lab Sample ID: 200-1636-2

Date Sampled: 09/18/2010 1250

Client Matrix: Water

Date Received: 09/21/2010 1005

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	32.8		mg/L	1.0	5.0	5.0	300.0
	Analysis Batch: 680-181849	Date Analyzed: 10/02/2010 2059					
Fluoride	36.7		mg/L	0.20	1.0	5.0	300.0
	Analysis Batch: 680-181849	Date Analyzed: 10/02/2010 2059					
Sulfate	31.4		mg/L	2.6	5.0	5.0	300.0
	Analysis Batch: 680-181849	Date Analyzed: 10/02/2010 2059					
Total Organic Carbon	5.0	U	mg/L	2.5	5.0	5.0	SM 5310B
	Analysis Batch: 680-181209	Date Analyzed: 09/27/2010 1305					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	57.8		mg/L	5.0	5.0	1.0	SM 2320B
	Analysis Batch: 680-181224	Date Analyzed: 09/27/2010 1955					
Total Dissolved Solids	316		mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 680-180881	Date Analyzed: 09/23/2010 1829					
Total Suspended Solids	17.0		mg/L	5.0	5.0	1.0	SM 2540D
	Analysis Batch: 680-180883	Date Analyzed: 09/23/2010 2021					

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

General Chemistry**Client Sample ID:** ISCO-MW3

Lab Sample ID: 200-1636-3

Date Sampled: 09/18/2010 1630

Client Matrix: Water

Date Received: 09/21/2010 1005

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	18.5		mg/L	1.0	5.0	5.0	300.0
	Analysis Batch: 680-181849	Date Analyzed: 10/02/2010 2111					
Fluoride	32.1		mg/L	0.20	1.0	5.0	300.0
	Analysis Batch: 680-181849	Date Analyzed: 10/02/2010 2111					
Sulfate	36.2		mg/L	2.6	5.0	5.0	300.0
	Analysis Batch: 680-181849	Date Analyzed: 10/02/2010 2111					
Total Organic Carbon	1.2		mg/L	0.50	1.0	1.0	SM 5310B
	Analysis Batch: 680-181209	Date Analyzed: 09/27/2010 1320					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	32.3		mg/L	5.0	5.0	1.0	SM 2320B
	Analysis Batch: 680-181224	Date Analyzed: 09/27/2010 2000					
Total Dissolved Solids	231		mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 680-180881	Date Analyzed: 09/23/2010 1829					
Total Suspended Solids	48.5		mg/L	5.0	5.0	1.0	SM 2540D
	Analysis Batch: 680-180883	Date Analyzed: 09/23/2010 2021					

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

General Chemistry**Client Sample ID:** ISCO-MW4

Lab Sample ID: 200-1636-4

Client Matrix: Water

Date Sampled: 09/19/2010 1210

Date Received: 09/21/2010 1005

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	27.0		mg/L	1.0	5.0	5.0	300.0
	Analysis Batch: 680-181849	Date Analyzed: 10/02/2010 2123					
Fluoride	25.2		mg/L	0.20	1.0	5.0	300.0
	Analysis Batch: 680-181849	Date Analyzed: 10/02/2010 2123					
Sulfate	39.3		mg/L	2.6	5.0	5.0	300.0
	Analysis Batch: 680-181849	Date Analyzed: 10/02/2010 2123					
Total Organic Carbon	1.3		mg/L	0.50	1.0	1.0	SM 5310B
	Analysis Batch: 680-181209	Date Analyzed: 09/27/2010 1409					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	27.6		mg/L	5.0	5.0	1.0	SM 2320B
	Analysis Batch: 680-181224	Date Analyzed: 09/27/2010 2005					
Total Dissolved Solids	240		mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 680-180881	Date Analyzed: 09/23/2010 1829					
Total Suspended Solids	8.5		mg/L	5.0	5.0	1.0	SM 2540D
	Analysis Batch: 680-180883	Date Analyzed: 09/23/2010 2021					

Analytical Data

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

General Chemistry**Client Sample ID:** ISCO-MW5

Lab Sample ID: 200-1636-5

Date Sampled: 09/19/2010 1000

Client Matrix: Water

Date Received: 09/21/2010 1005

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	38.2		mg/L	1.0	5.0	5.0	300.0
	Analysis Batch: 680-181849	Date Analyzed: 10/02/2010 2136					
Fluoride	2.4		mg/L	0.20	1.0	5.0	300.0
	Analysis Batch: 680-181849	Date Analyzed: 10/02/2010 2136					
Sulfate	43.6		mg/L	2.6	5.0	5.0	300.0
	Analysis Batch: 680-181849	Date Analyzed: 10/02/2010 2136					
Total Organic Carbon	1.5		mg/L	0.50	1.0	1.0	SM 5310B
	Analysis Batch: 680-181209	Date Analyzed: 09/27/2010 1424					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	38.9		mg/L	5.0	5.0	1.0	SM 2320B
	Analysis Batch: 680-181224	Date Analyzed: 09/27/2010 2011					
Total Dissolved Solids	269		mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 680-180881	Date Analyzed: 09/23/2010 1829					
Total Suspended Solids	5.0	U	mg/L	5.0	5.0	1.0	SM 2540D
	Analysis Batch: 680-180883	Date Analyzed: 09/23/2010 2021					

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Surrogate Recovery Report

SOM01.2/VOA Tr Trace Water

Client Matrix: Water

Lab Sample ID	Client Sample ID	VCL %Rec	CLA %Rec	DCE %Rec	BUT %Rec	CLF %Rec	DCA %Rec	BEN %Rec	DPA %Rec
200-1636-1 DL	ISCO-MW1 DL	98	101	76	102	100	106	105	91
200-1636-1	ISCO-MW1	101	102	79	101	101	103	105	93
200-1636-2	ISCO-MW2	0*	100	31*	107	100	106	106	94
200-1636-3 DL	ISCO-MW3 DL	101	102	78	106	104	109	106	97
200-1636-3	ISCO-MW3	102	103	79	106	102	106	108	96
200-1636-4 DL	ISCO-MW4 DL	97	99	76	105	100	104	103	93
200-1636-4	ISCO-MW4	97	105	79	105	103	109	108	97
200-1636-5 DL	ISCO-MW5 DL	100	101	79	99	102	108	107	94
200-1636-5	ISCO-MW5	104	103	80	107	103	110	106	98
200-1636-6	TB	99	100	78	104	103	108	104	91
200-1636-7	VHBLK01	97	99	79	107	104	109	106	92
MB 200-6993/5		98	100	78	100	99	106	103	91
MB 200-7052/4		101	101	77	103	102	108	105	93

Surrogate	Acceptance Limits
VCL = Vinyl chloride-d3	65-131
CLA = Chloroethane-d5	71-131
DCE = 1,1-Dichloroethene-d2	55-104
BUT = 2-Butanone-d5	49-155
CLF = Chloroform-d	78-121
DCA = 1,2-Dichloroethane-d4	78-129
BEN = Benzene-d6	77-124
DPA = 1,2-Dichloropropane-d6	79-124

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Surrogate Recovery Report

SOM01.2/VOA Tr Trace Water

Client Matrix: Water

Lab Sample ID	Client Sample ID	TOL %Rec	TDP %Rec	HEX %Rec	TCA %Rec	DCZ %Rec
200-1636-1 DL	ISCO-MW1 DL	100	102	99	103	105
200-1636-1	ISCO-MW1	103	100	99	101	107
200-1636-2	ISCO-MW2	101	0*	103	104	106
200-1636-3 DL	ISCO-MW3 DL	104	103	102	103	108
200-1636-3	ISCO-MW3	105	103	101	104	110
200-1636-4 DL	ISCO-MW4 DL	100	98	99	105	104
200-1636-4	ISCO-MW4	106	99	104	109	111
200-1636-5 DL	ISCO-MW5 DL	103	101	100	103	107
200-1636-5	ISCO-MW5	106	105	102	107	110
200-1636-6	TB	102	101	102	102	111
200-1636-7	VHBLK01	102	101	101	104	110
MB 200-6993/5		99	99	98	100	101
MB 200-7052/4		102	105	102	104	108

Surrogate	Acceptance Limits
TOL = Toluene-d8	77-121
TDP = trans-1,3-Dichloropropene-d4	73-121
HEX = 2-Hexanone-d5	28-135
TCA = 1,1,2,2-Tetrachloroethane-d2	73-125
DCZ = 1,2-Dichlorobenzene-d4	80-131

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Method Blank - Batch: 200-6993

Method: SOM01.2/VOA_Tr

Preparation: SOM01.2/VOA_PR

Lab Sample ID: MB 200-6993/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/23/2010 0803
Date Prepared: 09/23/2010 0803

Analysis Batch: 200-6993
Prep Batch: N/A
Units: ug/L

Instrument ID: J.i
Lab File ID: jbm05.d
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.50	U	0.50
Bromomethane	0.50	U	0.50
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.50	U	0.50
1,1-Dichloroethene	0.50	U	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50
Acetone	2.1	J	5.0
Carbon disulfide	0.50	U	0.50
Methyl acetate	0.50	U	0.50
Methylene chloride	0.50	U	0.50
trans-1,2-Dichloroethene	0.50	U	0.50
Methyl tert-butyl ether	0.50	U	0.50
1,1-Dichloroethane	0.50	U	0.50
cis-1,2-Dichloroethene	0.50	U	0.50
2-Butanone	5.0	U	5.0
Bromochloromethane	0.50	U	0.50
Chloroform	0.50	U	0.50
1,1,1-Trichloroethane	0.50	U	0.50
Cyclohexane	0.50	U	0.50
Carbon tetrachloride	0.50	U	0.50
Benzene	0.50	U	0.50
1,2-Dichloroethane	0.50	U	0.50
Trichloroethene	0.50	U	0.50
Methylcyclohexane	0.50	U	0.50
1,2-Dichloropropane	0.50	U	0.50
Bromodichloromethane	0.50	U	0.50
cis-1,3-Dichloropropene	0.50	U	0.50
4-Methyl-2-pentanone	5.0	U	5.0
Toluene	0.50	U	0.50
trans-1,3-Dichloropropene	0.50	U	0.50
1,1,2-Trichloroethane	0.50	U	0.50
Tetrachloroethene	0.50	U	0.50
2-Hexanone	5.0	U	5.0
Dibromochloromethane	0.50	U	0.50
1,2-Dibromoethane	0.50	U	0.50
Chlorobenzene	0.50	U	0.50
Ethylbenzene	0.50	U	0.50
o-Xylene	0.50	U	0.50
m,p-Xylene	0.50	U	0.50
Styrene	0.50	U	0.50
Bromoform	0.50	U	0.50

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Method Blank - Batch: 200-6993

Method: SOM01.2/VOA_Tr

Preparation: SOM01.2/VOA_PR

Lab Sample ID: MB 200-6993/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/23/2010 0803
Date Prepared: 09/23/2010 0803

Analysis Batch: 200-6993
Prep Batch: N/A
Units: ug/L

Instrument ID: J.i
Lab File ID: jbm05.d
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Isopropylbenzene	0.50	U	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.50
1,3-Dichlorobenzene	0.50	U	0.50
1,4-Dichlorobenzene	0.50	U	0.50
1,2-Dichlorobenzene	0.50	U	0.50
1,2-Dibromo-3-chloropropane	0.50	U	0.50
1,2,4-Trichlorobenzene	0.50	U	0.50
1,2,3-Trichlorobenzene	0.058	J	0.50

Surrogate	% Rec	Acceptance Limits
Vinyl chloride-d3	98	65 - 131
Chloroethane-d5	100	71 - 131
1,1-Dichloroethene-d2	78	55 - 104
2-Butanone-d5	100	49 - 155
Chloroform-d	99	78 - 121
1,2-Dichloroethane-d4	106	78 - 129
Benzene-d6	103	77 - 124
1,2-Dichloropropane-d6	91	79 - 124
Toluene-d8	99	77 - 121
trans-1,3-Dichloropropene-d4	99	73 - 121
2-Hexanone-d5	98	28 - 135
1,1,2,2-Tetrachloroethane-d2	100	73 - 125
1,2-Dichlorobenzene-d4	101	80 - 131

Method Blank TICs- Batch: 200-6993

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown	6.93	2.7	X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	1.0	J N
	Unknown siloxane derivative	10.72	0.90	J

Method Blank TICs- Batch: 200-6993

Cas Number	Analyte	RT	Est. Result	Qual
	Total Alkanes	0.00		

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Method Blank - Batch: 200-7052

Method: SOM01.2/VOA_Tr

Preparation: SOM01.2/VOA_PR

Lab Sample ID: MB 200-7052/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/23/2010 1622
Date Prepared: 09/23/2010 1622

Analysis Batch: 200-7052
Prep Batch: N/A
Units: ug/L

Instrument ID: J.i
Lab File ID: jbm04.d
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.50	U	0.50
Bromomethane	0.50	U	0.50
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.50	U	0.50
1,1-Dichloroethene	0.50	U	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50
Acetone	3.0	J	5.0
Carbon disulfide	0.50	U	0.50
Methyl acetate	0.50	U	0.50
Methylene chloride	0.50	U	0.50
trans-1,2-Dichloroethene	0.50	U	0.50
Methyl tert-butyl ether	0.50	U	0.50
1,1-Dichloroethane	0.50	U	0.50
cis-1,2-Dichloroethene	0.50	U	0.50
2-Butanone	5.0	U	5.0
Bromochloromethane	0.50	U	0.50
Chloroform	0.50	U	0.50
1,1,1-Trichloroethane	0.50	U	0.50
Cyclohexane	0.50	U	0.50
Carbon tetrachloride	0.50	U	0.50
Benzene	0.50	U	0.50
1,2-Dichloroethane	0.50	U	0.50
Trichloroethene	0.50	U	0.50
Methylcyclohexane	0.50	U	0.50
1,2-Dichloropropane	0.50	U	0.50
Bromodichloromethane	0.50	U	0.50
cis-1,3-Dichloropropene	0.50	U	0.50
4-Methyl-2-pentanone	5.0	U	5.0
Toluene	0.50	U	0.50
trans-1,3-Dichloropropene	0.50	U	0.50
1,1,2-Trichloroethane	0.50	U	0.50
Tetrachloroethene	0.50	U	0.50
2-Hexanone	5.0	U	5.0
Dibromochloromethane	0.50	U	0.50
1,2-Dibromoethane	0.50	U	0.50
Chlorobenzene	0.50	U	0.50
Ethylbenzene	0.50	U	0.50
o-Xylene	0.50	U	0.50
m,p-Xylene	0.50	U	0.50
Styrene	0.50	U	0.50
Bromoform	0.50	U	0.50

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Method Blank - Batch: 200-7052

Method: SOM01.2/VOA_Tr

Preparation: SOM01.2/VOA_PR

Lab Sample ID: MB 200-7052/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/23/2010 1622
Date Prepared: 09/23/2010 1622

Analysis Batch: 200-7052
Prep Batch: N/A
Units: ug/L

Instrument ID: J.i
Lab File ID: jbm04.d
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Isopropylbenzene	0.50	U	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.50
1,3-Dichlorobenzene	0.50	U	0.50
1,4-Dichlorobenzene	0.50	U	0.50
1,2-Dichlorobenzene	0.50	U	0.50
1,2-Dibromo-3-chloropropane	0.50	U	0.50
1,2,4-Trichlorobenzene	0.50	U	0.50
1,2,3-Trichlorobenzene	0.066	J	0.50

Surrogate	% Rec	Acceptance Limits
Vinyl chloride-d3	101	65 - 131
Chloroethane-d5	101	71 - 131
1,1-Dichloroethene-d2	77	55 - 104
2-Butanone-d5	103	49 - 155
Chloroform-d	102	78 - 121
1,2-Dichloroethane-d4	108	78 - 129
Benzene-d6	105	77 - 124
1,2-Dichloropropane-d6	93	79 - 124
Toluene-d8	102	77 - 121
trans-1,3-Dichloropropene-d4	105	73 - 121
2-Hexanone-d5	102	28 - 135
1,1,2,2-Tetrachloroethane-d2	104	73 - 125
1,2-Dichlorobenzene-d4	108	80 - 131

Method Blank TICs- Batch: 200-7052

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown	1.68	0.66	J
	Unknown	6.93	2.8	X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	1.9	J N
	Unknown siloxane derivative	10.72	2.3	J

Method Blank TICs- Batch: 200-7052

Cas Number	Analyte	RT	Est. Result	Qual
	Total Alkanes	0.00		

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Method Blank - Batch: 200-6896

Method: ILM05.4/HG

Preparation: ILM05.4/HG_CW1

Lab Sample ID: MB 200-6896/12-A

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 09/24/2010 1446

Date Prepared: 09/23/2010 1155

Analysis Batch: 200-6995

Prep Batch: 200-6896

Units: ug/L

Instrument ID: MEPCV3 II

Lab File ID: 092410BB.PRN

Initial Weight/Volume: 50 mL

Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDLE	RL
Mercury	0.20	U	0.052	0.20

Lab Control Sample - Batch: 200-6896

Method: ILM05.4/HG

Preparation: ILM05.4/HG_CW1

Lab Sample ID: LCS 200-6896/13-A

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 09/24/2010 1448

Date Prepared: 09/23/2010 1155

Analysis Batch: 200-6995

Prep Batch: 200-6896

Units: ug/L

Instrument ID: MEPCV3 II

Lab File ID: 092410BB.PRN

Initial Weight/Volume: 50 mL

Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	0.97	97	85 - 115	

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Method Blank - Batch: 200-6872

Method: ILM05.4/ICP
Preparation: ILM05.4_HW1

Lab Sample ID: MB 200-6872/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/25/2010 1304
Date Prepared: 09/23/2010 0852

Analysis Batch: 200-7028
Prep Batch: 200-6872
Units: ug/L

Instrument ID: METICP7
Lab File ID: 092510-02.ttx
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Silver	10.0	U	1.0	10.0
Aluminum	200	U	50.8	200
Arsenic	10.0	U	6.4	10.0
Barium	200	U	8.5	200
Beryllium	5.0	U	0.27	5.0
Calcium	5000	U	168	5000
Cadmium	5.0	U	0.72	5.0
Cobalt	50.0	U	0.90	50.0
Chromium	10.0	U	0.92	10.0
Copper	25.0	U	3.3	25.0
Iron	11.0	J	9.2	100
Potassium	5000	U	201	5000
Magnesium	5000	U	66.6	5000
Manganese	15.0	U	0.29	15.0
Sodium	5000	U	73.8	5000
Nickel	40.0	U	1.9	40.0
Lead	3.6	J	3.4	10.0
Antimony	4.8	J	4.7	60.0
Selenium	35.0	U	4.3	35.0
Thallium	-2.8	J	1.8	25.0
Zinc	0.52	J	0.51	60.0
Vanadium	50.0	U	1.6	50.0

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Lab Control Sample - Batch: 200-6872

Method: ILM05.4/ICP

Preparation: ILM05.4_HW1

Lab Sample ID: LCS 200-6872/2-A

Analysis Batch: 200-7028

Instrument ID: METICP7

Client Matrix: Water

Prep Batch: 200-6872

Lab File ID: 092510-02.ttx

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 100 mL

Date Analyzed: 09/25/2010 1308

Final Weight/Volume: 100 mL

Date Prepared: 09/23/2010 0852

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	500	466	93		
Aluminum	51000	50100	98	80 - 120	
Arsenic	1050	1070	102	80 - 120	
Barium	500	469	94	80 - 120	
Beryllium	500	498	100	80 - 120	
Calcium	50000	49900	100	80 - 120	
Cadmium	525	490	93	80 - 120	
Cobalt	500	462	92	80 - 120	
Chromium	500	473	95	80 - 120	
Copper	500	449	90	80 - 120	
Iron	50500	50300	100	80 - 120	
Potassium	50000	49900	100	80 - 120	
Magnesium	50000	49900	100	80 - 120	
Manganese	500	453	91	80 - 120	
Sodium	50000	49600	99	80 - 120	
Nickel	500	458	92	80 - 120	
Lead	1020	1010	99	80 - 120	
Antimony	2000	2010	100		
Selenium	525	515	98	80 - 120	
Thallium	550	530	96	80 - 120	
Zinc	500	486	97	80 - 120	
Vanadium	500	491	98	80 - 120	

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Serial Dilution - Batch: 200-6872

Method: ILM05.4/ICP

Preparation: ILM05.4_HW1

Lab Sample ID: 200-1636-1

Analysis Batch: 200-7028

Instrument ID: METICP7

Client Matrix: Water

Prep Batch: 200-6872

Lab File ID: 092510-02.ttx

Dilution: 5.0

Units: ug/L

Initial Weight/Volume: 100 mL

Date Analyzed: 09/25/2010 1315

Final Weight/Volume: 100 mL

Date Prepared: 09/23/2010 0852

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Silver	10.0	U	50.0	NC	20	U
Aluminum	1060		1120	NC	20	
Arsenic	10.0	U	50.0	NC	20	U
Barium	34.2	J	1000	NC	20	U
Beryllium	0.34	J	25.0	NC	20	U
Calcium	21700		22000	1.7	20	J
Cadmium	5.0	U	25.0	NC	20	U
Cobalt	50.0	U	4.7	NC	20	J
Chromium	11.1		11.3	NC	20	J
Copper	25.0	U	125	NC	20	U
Iron	76.3	J	123	NC	20	J
Potassium	6440		6480	NC	20	J
Magnesium	10100		10100	0.36	20	J
Manganese	16.3		17.2	5.2	20	J
Sodium	28400		29000	2.3	20	
Nickel	32.8	J	36.6	NC	20	J
Lead	5.5	J	17.9	NC	20	J
Antimony	60.0	U	300	NC	20	U
Selenium	35.0	U	175	NC	20	U
Thallium	25.0	U	125	NC	20	U
Zinc	26.2	J	25.8	1.4	20	J
Vanadium	50.0	U	250	NC	20	U

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Method Blank - Batch: 680-181849

Method: 300.0

Preparation: N/A

Lab Sample ID: MB 680-181849/2

Client Matrix: Water

Dilution: 5.0

Date Analyzed: 10/02/2010 1626

Date Prepared: N/A

Analysis Batch: 680-181849

Prep Batch: N/A

Units: mg/L

Instrument ID: ICG

Lab File ID: 0030.d

Initial Weight/Volume: 1.0 mL

Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Chloride	5.0	U	1.0	5.0
Fluoride	1.0	U	0.20	1.0
Sulfate	5.0	U	2.6	5.0

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 680-181849

Method: 300.0

Preparation: N/A

LCS Lab Sample ID: LCS 680-181849/3

Client Matrix: Water

Dilution: 5.0

Date Analyzed: 10/02/2010 1638

Date Prepared: N/A

Analysis Batch: 680-181849

Prep Batch: N/A

Units: mg/L

Instrument ID: ICG

Lab File ID: 0031.d

Initial Weight/Volume: 1.0 mL

Final Weight/Volume: 5 mL

1 uL

LCSD Lab Sample ID: LCSD 680-181849/4

Client Matrix: Water

Dilution: 5.0

Date Analyzed: 10/02/2010 1651

Date Prepared: N/A

Analysis Batch: 680-181849

Prep Batch: N/A

Units: mg/L

Instrument ID: ICG

Lab File ID: 0032.d

Initial Weight/Volume: 1.0 mL

Final Weight/Volume: 5 mL

1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Chloride	105	105	90 - 110	0	30		
Fluoride	104	104	90 - 110	0	30		
Sulfate	105	106	90 - 110	0	30		

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Laboratory Control/

Laboratory Duplicate Data Report - Batch: 680-181849

Method: 300.0

Preparation: N/A

LCS Lab Sample ID: LCS 680-181849/3
 Client Matrix: Water
 Dilution: 5.0
 Date Analyzed: 10/02/2010 1638
 Date Prepared: N/A

LCSD Lab Sample ID: LCSD 680-181849/4
 Client Matrix: Water
 Dilution: 5.0
 Date Analyzed: 10/02/2010 1651
 Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chloride	50.0	50.0	52.4	52.4
Fluoride	10.0	10.0	10.4	10.4
Sulfate	50.0	50.0	52.7	52.8

Matrix Spike - Batch: 680-181849

Method: 300.0

Preparation: N/A

Lab Sample ID: 200-1636-1
 Client Matrix: Water
 Dilution: 5.0
 Date Analyzed: 10/02/2010 2046
 Date Prepared: N/A

Analysis Batch: 680-181849
 Prep Batch: N/A
 Units: mg/L

Instrument ID: ICG
 Lab File ID: 0051.d
 Initial Weight/Volume: 1.0 mL
 Final Weight/Volume: 5 mL
 1 uL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	36.6	50.0	92.1	111	90 - 110	N
Fluoride	3.0	10.0	14.0	110	90 - 110	
Sulfate	34.1	50.0	90.3	112	90 - 110	N

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Method Blank - Batch: 680-181224

Lab Sample ID: MB 680-181224/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/27/2010 1919
Date Prepared: N/A

Analysis Batch: 680-181224
Prep Batch: N/A
Units: mg/L

Method: SM 2320B
Preparation: N/A

Instrument ID: MANTECH
Lab File ID: 092710alk.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL	RL
Alkalinity	5.0	U	5.0	5.0

Lab Control Sample/ Lab Control Sample Duplicate Recovery Report - Batch: 680-181224

LCS Lab Sample ID: LCS 680-181224/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/27/2010 1929
Date Prepared: N/A

Analysis Batch: 680-181224
Prep Batch: N/A
Units: mg/L

Method: SM 2320B
Preparation: N/A

Instrument ID: MANTECH
Lab File ID: 092710alk.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 680-181224/32
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/27/2010 2204
Date Prepared: N/A

Analysis Batch: 680-181224
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 092710alk.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Alkalinity	93	91	80 - 120	3	30		

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Laboratory Control/

Laboratory Duplicate Data Report - Batch: 680-181224

Method: SM 2320B

Preparation: N/A

LCS Lab Sample ID: LCS 680-181224/6

Units: mg/L

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 09/27/2010 1929

Date Prepared: N/A

LCSD Lab Sample ID: LCSD 680-181224/32

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 09/27/2010 2204

Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Alkalinity	616	616	575	558

Duplicate - Batch: 680-181224

Method: SM 2320B

Preparation: N/A

Lab Sample ID: 200-1636-5

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 09/27/2010 2017

Date Prepared: N/A

Analysis Batch: 680-181224

Prep Batch: N/A

Units: mg/L

Instrument ID: MANTECH

Lab File ID: 092710alk.TXT

Initial Weight/Volume: 25 mL

Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity	38.9	38.8	0.3	30	

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Method Blank - Batch: 680-180881

Method: SM 2540C

Preparation: N/A

Lab Sample ID: MB 680-180881/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/23/2010 1829
Date Prepared: N/A

Analysis Batch: 680-180881
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL	RL
Total Dissolved Solids	5.0	U	5.0	5.0

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 680-180881

Method: SM 2540C

Preparation: N/A

LCS Lab Sample ID: LCS 680-180881/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/23/2010 1829
Date Prepared: N/A

Analysis Batch: 680-180881
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 680-180881/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/23/2010 1829
Date Prepared: N/A

Analysis Batch: 680-180881
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Total Dissolved Solids	100	105	80 - 120	5	25		

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Laboratory Control/

Laboratory Duplicate Data Report - Batch: 680-180881

Method: SM 2540C

Preparation: N/A

LCS Lab Sample ID: LCS 680-180881/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/23/2010 1829
Date Prepared: N/A

Units: mg/L

LCSD Lab Sample ID: LCSD 680-180881/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/23/2010 1829
Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	236	236	236	248

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Method Blank - Batch: 680-180883

Method: SM 2540D

Preparation: N/A

Lab Sample ID: MB 680-180883/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/23/2010 2021
Date Prepared: N/A

Analysis Batch: 680-180883
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL

Analyte	Result	Qual	RL	RL
Total Suspended Solids	5.0	U	5.0	5.0

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 680-180883

Method: SM 2540D

Preparation: N/A

LCS Lab Sample ID: LCS 680-180883/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/23/2010 2021
Date Prepared: N/A

Analysis Batch: 680-180883
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL

LCSD Lab Sample ID: LCSD 680-180883/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/23/2010 2021
Date Prepared: N/A

Analysis Batch: 680-180883
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Total Suspended Solids	106	110	80 - 120	4	25		

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Laboratory Control/

Laboratory Duplicate Data Report - Batch: 680-180883

Method: SM 2540D

Preparation: N/A

LCS Lab Sample ID: LCS 680-180883/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/23/2010 2021
Date Prepared: N/A

Units: mg/L

LCSD Lab Sample ID: LCSD 680-180883/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/23/2010 2021
Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Suspended Solids	100	100	106	110

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Method Blank - Batch: 680-181209

Method: SM 5310B

Preparation: N/A

Lab Sample ID: MB 680-181209/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/27/2010 0806
Date Prepared: N/A

Analysis Batch: 680-181209
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: TOC092710.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	1.0	U	0.50	1.0

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 680-181209

Method: SM 5310B

Preparation: N/A

LCS Lab Sample ID: LCS 680-181209/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/27/2010 0822
Date Prepared: N/A

Analysis Batch: 680-181209
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: TOC092710.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 680-181209/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/27/2010 0838
Date Prepared: N/A

Analysis Batch: 680-181209
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: TOC092710.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Total Organic Carbon	97	98	80 - 120	0.2	25		

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Laboratory Control/

Laboratory Duplicate Data Report - Batch: 680-181209

Method: SM 5310B

Preparation: N/A

LCS Lab Sample ID: LCS 680-181209/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/27/2010 0822
Date Prepared: N/A

Units: mg/L

LCSD Lab Sample ID: LCSD 680-181209/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/27/2010 0838
Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon	20.0	20.0	19.5	19.5

Duplicate - Batch: 680-181209

Method: SM 5310B

Preparation: N/A

Lab Sample ID: 200-1636-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/27/2010 1251
Date Prepared: N/A

Analysis Batch: 680-181209
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: TOC092710.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	1.0 U	1.0	1	25	U

DATA REPORTING QUALIFIERS

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
	J	Indicates an Estimated Value for TICs
	J	Indicates an estimated value.
	D	Sample was analyzed at a higher dilution factor.
	X	See case narrative notes for explanation of the 'X' flag
	*	Surrogate exceeds the control limit
	B	The analyte was found in an associated blank, as well as in the sample.
	N	This flag indicates the presumptive evidence of a compound.
Metals		
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL
General Chemistry		
	U	Indicates analyzed for but not detected.
	N	Spiked sample recovery is not within control limits.

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:200-6993					
MB 200-6993/5	Method Blank	T	Water	SOM01.2/VOA_T	
200-1636-1DL	ISCO-MW1	T	Water	SOM01.2/VOA_T	
200-1636-2	ISCO-MW2	T	Water	SOM01.2/VOA_T	
200-1636-3DL	ISCO-MW3	T	Water	SOM01.2/VOA_T	
200-1636-4DL	ISCO-MW4	T	Water	SOM01.2/VOA_T	
200-1636-5DL	ISCO-MW5	T	Water	SOM01.2/VOA_T	
Analysis Batch:200-7052					
MB 200-7052/4	Method Blank	T	Water	SOM01.2/VOA_T	
200-1636-1	ISCO-MW1	T	Water	SOM01.2/VOA_T	
200-1636-3	ISCO-MW3	T	Water	SOM01.2/VOA_T	
200-1636-4	ISCO-MW4	T	Water	SOM01.2/VOA_T	
200-1636-5	ISCO-MW5	T	Water	SOM01.2/VOA_T	
200-1636-6	TB	T	Water	SOM01.2/VOA_T	
200-1636-7	VHBLK01	T	Water	SOM01.2/VOA_T	

Report Basis

T = Total

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 200-6872					
LCS 200-6872/2-A	Lab Control Sample	T	Water	ILM05.4_HW1	
MB 200-6872/1-A	Method Blank	T	Water	ILM05.4_HW1	
200-1636-1	ISCO-MW1	T	Water	ILM05.4_HW1	
200-1636-2	ISCO-MW2	T	Water	ILM05.4_HW1	
200-1636-3	ISCO-MW3	T	Water	ILM05.4_HW1	
200-1636-4	ISCO-MW4	T	Water	ILM05.4_HW1	
200-1636-5	ISCO-MW5	T	Water	ILM05.4_HW1	
Prep Batch: 200-6896					
LCS 200-6896/13-A	Lab Control Sample	T	Water	ILM05.4/HG_CW	
MB 200-6896/12-A	Method Blank	T	Water	ILM05.4/HG_CW	
200-1636-1	ISCO-MW1	T	Water	ILM05.4/HG_CW	
200-1636-2	ISCO-MW2	T	Water	ILM05.4/HG_CW	
200-1636-3	ISCO-MW3	T	Water	ILM05.4/HG_CW	
200-1636-4	ISCO-MW4	T	Water	ILM05.4/HG_CW	
200-1636-5	ISCO-MW5	T	Water	ILM05.4/HG_CW	
Analysis Batch:200-6995					
LCS 200-6896/13-A	Lab Control Sample	T	Water	ILM05.4/HG	200-6896
MB 200-6896/12-A	Method Blank	T	Water	ILM05.4/HG	200-6896
200-1636-1	ISCO-MW1	T	Water	ILM05.4/HG	200-6896
200-1636-2	ISCO-MW2	T	Water	ILM05.4/HG	200-6896
200-1636-3	ISCO-MW3	T	Water	ILM05.4/HG	200-6896
200-1636-4	ISCO-MW4	T	Water	ILM05.4/HG	200-6896
200-1636-5	ISCO-MW5	T	Water	ILM05.4/HG	200-6896
Analysis Batch:200-7028					
LCS 200-6872/2-A	Lab Control Sample	T	Water	ILM05.4/ICP	200-6872
MB 200-6872/1-A	Method Blank	T	Water	ILM05.4/ICP	200-6872
200-1636-1	ISCO-MW1	T	Water	ILM05.4/ICP	200-6872
200-1636-2	ISCO-MW2	T	Water	ILM05.4/ICP	200-6872
200-1636-3	ISCO-MW3	T	Water	ILM05.4/ICP	200-6872
200-1636-4	ISCO-MW4	T	Water	ILM05.4/ICP	200-6872
200-1636-5	ISCO-MW5	T	Water	ILM05.4/ICP	200-6872

Report Basis

T = Total

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-180881					
LCS 680-180881/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 680-180881/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 680-180881/1	Method Blank	T	Water	SM 2540C	
200-1636-1	ISCO-MW1	T	Water	SM 2540C	
200-1636-2	ISCO-MW2	T	Water	SM 2540C	
200-1636-3	ISCO-MW3	T	Water	SM 2540C	
200-1636-4	ISCO-MW4	T	Water	SM 2540C	
200-1636-5	ISCO-MW5	T	Water	SM 2540C	
Analysis Batch:680-180883					
LCS 680-180883/2	Lab Control Sample	T	Water	SM 2540D	
LCSD 680-180883/3	Lab Control Sample Duplicate	T	Water	SM 2540D	
MB 680-180883/1	Method Blank	T	Water	SM 2540D	
200-1636-1	ISCO-MW1	T	Water	SM 2540D	
200-1636-2	ISCO-MW2	T	Water	SM 2540D	
200-1636-3	ISCO-MW3	T	Water	SM 2540D	
200-1636-4	ISCO-MW4	T	Water	SM 2540D	
200-1636-5	ISCO-MW5	T	Water	SM 2540D	
Analysis Batch:680-181209					
LCS 680-181209/5	Lab Control Sample	T	Water	SM 5310B	
LCSD 680-181209/6	Lab Control Sample Duplicate	T	Water	SM 5310B	
MB 680-181209/4	Method Blank	T	Water	SM 5310B	
200-1636-1	ISCO-MW1	T	Water	SM 5310B	
200-1636-1DU	Duplicate	T	Water	SM 5310B	
200-1636-2	ISCO-MW2	T	Water	SM 5310B	
200-1636-3	ISCO-MW3	T	Water	SM 5310B	
200-1636-4	ISCO-MW4	T	Water	SM 5310B	
200-1636-5	ISCO-MW5	T	Water	SM 5310B	
Analysis Batch:680-181224					
LCS 680-181224/6	Lab Control Sample	T	Water	SM 2320B	
LCSD 680-181224/32	Lab Control Sample Duplicate	T	Water	SM 2320B	
MB 680-181224/5	Method Blank	T	Water	SM 2320B	
200-1636-1	ISCO-MW1	T	Water	SM 2320B	
200-1636-2	ISCO-MW2	T	Water	SM 2320B	
200-1636-3	ISCO-MW3	T	Water	SM 2320B	
200-1636-4	ISCO-MW4	T	Water	SM 2320B	
200-1636-5	ISCO-MW5	T	Water	SM 2320B	
200-1636-5DU	Duplicate	T	Water	SM 2320B	

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

Sdg Number: 200-1636-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-181849					
LCS 680-181849/3	Lab Control Sample	T	Water	300.0	
LCSD 680-181849/4	Lab Control Sample Duplicate	T	Water	300.0	
MB 680-181849/2	Method Blank	T	Water	300.0	
200-1636-1	ISCO-MW1	T	Water	300.0	
200-1636-1MS	Matrix Spike	T	Water	300.0	
200-1636-2	ISCO-MW2	T	Water	300.0	
200-1636-3	ISCO-MW3	T	Water	300.0	
200-1636-4	ISCO-MW4	T	Water	300.0	
200-1636-5	ISCO-MW5	T	Water	300.0	

Report Basis

T = Total

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1
SDG: 200-1636-1

Laboratory Chronicle

Lab ID: 200-1636-1

Client ID: ISCO-MW1

Sample Date/Time: 09/18/2010 11:15

Received Date/Time: 09/21/2010 10:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:SOM01.2/VOA_PR	200-1636-B-1	DL	200-6993		09/23/2010 11:59	4.6	TAL BUR	CMP
A:SOM01.2/VOA_Tr	200-1636-B-1	DL	200-6993		09/23/2010 11:59	4.6	TAL BUR	CMP
P:SOM01.2/VOA_PR	200-1636-C-1		200-7052		09/23/2010 16:58	1	TAL BUR	CMP
A:SOM01.2/VOA_Tr	200-1636-C-1		200-7052		09/23/2010 16:58	1	TAL BUR	CMP
P:ILM05.4/HG_CW1	200-1636-D-1-B		200-6995	200-6896	09/23/2010 11:55	1	TAL BUR	ALS
A:ILM05.4/HG	200-1636-D-1-B		200-6995	200-6896	09/24/2010 15:26	1	TAL BUR	ALS
P:ILM05.4_HW1	200-1636-D-1-A		200-7028	200-6872	09/23/2010 08:52	1	TAL BUR	ALS
A:ILM05.4/ICP	200-1636-D-1-A		200-7028	200-6872	09/25/2010 13:11	1	TAL BUR	TFS
A:300.0	200-1636-G-1		680-181849		10/02/2010 20:34	5	TAL SAV	CB
A:SM 2320B	200-1636-F-1		680-181224		09/27/2010 19:49	1	TAL SAV	TR
A:SM 2540C	200-1636-H-1		680-180881		09/23/2010 18:29	1	TAL SAV	TR
A:SM 2540D	200-1636-H-1		680-180883		09/23/2010 20:21	1	TAL SAV	TR
A:SM 5310B	200-1636-E-1		680-181209		09/27/2010 12:36	1	TAL SAV	DAM

Lab ID: 200-1636-1 MS

Client ID: ISCO-MW1

Sample Date/Time: 09/18/2010 11:15

Received Date/Time: 09/21/2010 10:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	200-1636-G-1 MS		680-181849		10/02/2010 20:46	5	TAL SAV	CB

Lab ID: 200-1636-1 DU

Client ID: ISCO-MW1

Sample Date/Time: 09/18/2010 11:15

Received Date/Time: 09/21/2010 10:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 5310B	200-1636-E-1 DU		680-181209		09/27/2010 12:51	1	TAL SAV	DAM

Lab ID: 200-1636-1 SD

Client ID: ISCO-MW1

Sample Date/Time: 09/18/2010 11:15

Received Date/Time: 09/21/2010 10:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:ILM05.4_HW1	200-1636-D-1-A SD ^5		200-7028	200-6872	09/23/2010 08:52	5	TAL BUR	ALS
A:ILM05.4/ICP	200-1636-D-1-A SD ^5		200-7028	200-6872	09/25/2010 13:15	5	TAL BUR	TFS

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1
SDG: 200-1636-1

Laboratory Chronicle

Lab ID: 200-1636-2

Client ID: ISCO-MW2

Sample Date/Time: 09/18/2010 12:50

Received Date/Time: 09/21/2010 10:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:SOM01.2/VOA_PR	200-1636-B-2		200-6993		09/23/2010 12:27	1	TAL BUR	CMP
A:SOM01.2/VOA_Tr	200-1636-B-2		200-6993		09/23/2010 12:27	1	TAL BUR	CMP
P:ILM05.4/HG_CW1	200-1636-D-2-B		200-6995	200-6896	09/23/2010 11:55	1	TAL BUR	ALS
A:ILM05.4/HG	200-1636-D-2-B		200-6995	200-6896	09/24/2010 15:34	1	TAL BUR	ALS
P:ILM05.4_HW1	200-1636-D-2-A		200-7028	200-6872	09/23/2010 08:52	1	TAL BUR	ALS
A:ILM05.4/ICP	200-1636-D-2-A		200-7028	200-6872	09/25/2010 13:19	1	TAL BUR	TFS
A:300.0	200-1636-F-2		680-181849		10/02/2010 20:59	5	TAL SAV	CB
A:SM 2320B	200-1636-G-2		680-181224		09/27/2010 19:55	1	TAL SAV	TR
A:SM 2540C	200-1636-H-2		680-180881		09/23/2010 18:29	1	TAL SAV	TR
A:SM 2540D	200-1636-H-2		680-180883		09/23/2010 20:21	1	TAL SAV	TR
A:SM 5310B	200-1636-E-2		680-181209		09/27/2010 13:05	5	TAL SAV	DAM

Lab ID: 200-1636-3

Client ID: ISCO-MW3

Sample Date/Time: 09/18/2010 16:30

Received Date/Time: 09/21/2010 10:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:SOM01.2/VOA_PR	200-1636-B-3	DL	200-6993		09/23/2010 12:55	36.7	TAL BUR	CMP
A:SOM01.2/VOA_Tr	200-1636-B-3	DL	200-6993		09/23/2010 12:55	36.7	TAL BUR	CMP
P:SOM01.2/VOA_PR	200-1636-B-3		200-7052		09/23/2010 17:54	3.3	TAL BUR	CMP
A:SOM01.2/VOA_Tr	200-1636-B-3		200-7052		09/23/2010 17:54	3.3	TAL BUR	CMP
P:ILM05.4/HG_CW1	200-1636-D-3-B		200-6995	200-6896	09/23/2010 11:55	1	TAL BUR	ALS
A:ILM05.4/HG	200-1636-D-3-B		200-6995	200-6896	09/24/2010 15:36	1	TAL BUR	ALS
P:ILM05.4_HW1	200-1636-D-3-A		200-7028	200-6872	09/23/2010 08:52	1	TAL BUR	ALS
A:ILM05.4/ICP	200-1636-D-3-A		200-7028	200-6872	09/25/2010 13:23	1	TAL BUR	TFS
A:300.0	200-1636-G-3		680-181849		10/02/2010 21:11	5	TAL SAV	CB
A:SM 2320B	200-1636-F-3		680-181224		09/27/2010 20:00	1	TAL SAV	TR
A:SM 2540C	200-1636-H-3		680-180881		09/23/2010 18:29	1	TAL SAV	TR
A:SM 2540D	200-1636-H-3		680-180883		09/23/2010 20:21	1	TAL SAV	TR
A:SM 5310B	200-1636-E-3		680-181209		09/27/2010 13:20	1	TAL SAV	DAM

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

SDG: 200-1636-1

Laboratory Chronicle

Lab ID: 200-1636-4

Client ID: ISCO-MW4

Sample Date/Time: 09/19/2010 12:10

Received Date/Time: 09/21/2010 10:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:SOM01.2/VOA_PR	200-1636-B-4	DL	200-6993		09/23/2010 13:23	40	TAL BUR	CMP
A:SOM01.2/VOA_Tr	200-1636-B-4	DL	200-6993		09/23/2010 13:23	40	TAL BUR	CMP
P:SOM01.2/VOA_PR	200-1636-B-4		200-7052		09/23/2010 18:49	4	TAL BUR	CMP
A:SOM01.2/VOA_Tr	200-1636-B-4		200-7052		09/23/2010 18:49	4	TAL BUR	CMP
P:ILM05.4/HG_C W1	200-1636-D-4-B		200-6995	200-6896	09/23/2010 11:58	1	TAL BUR	ALS
A:ILM05.4/HG	200-1636-D-4-B		200-6995	200-6896	09/24/2010 15:38	1	TAL BUR	ALS
P:ILM05.4_HW1	200-1636-D-4-A		200-7028	200-6872	09/23/2010 08:52	1	TAL BUR	ALS
A:ILM05.4/ICP	200-1636-D-4-A		200-7028	200-6872	09/25/2010 13:27	1	TAL BUR	TFS
A:300.0	200-1636-G-4		680-181849		10/02/2010 21:23	5	TAL SAV	CB
A:SM 2320B	200-1636-F-4		680-181224		09/27/2010 20:05	1	TAL SAV	TR
A:SM 2540C	200-1636-H-4		680-180881		09/23/2010 18:29	1	TAL SAV	TR
A:SM 2540D	200-1636-H-4		680-180883		09/23/2010 20:21	1	TAL SAV	TR
A:SM 5310B	200-1636-E-4		680-181209		09/27/2010 14:09	1	TAL SAV	DAM

Lab ID: 200-1636-5

Client ID: ISCO-MW5

Sample Date/Time: 09/19/2010 10:00

Received Date/Time: 09/21/2010 10:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:SOM01.2/VOA_PR	200-1636-B-5	DL	200-6993		09/23/2010 13:52	13.3	TAL BUR	CMP
A:SOM01.2/VOA_Tr	200-1636-B-5	DL	200-6993		09/23/2010 13:52	13.3	TAL BUR	CMP
P:SOM01.2/VOA_PR	200-1636-B-5		200-7052		09/23/2010 19:45	1.2	TAL BUR	CMP
A:SOM01.2/VOA_Tr	200-1636-B-5		200-7052		09/23/2010 19:45	1.2	TAL BUR	CMP
P:ILM05.4/HG_C W1	200-1636-D-5-B		200-6995	200-6896	09/23/2010 11:58	1	TAL BUR	ALS
A:ILM05.4/HG	200-1636-D-5-B		200-6995	200-6896	09/24/2010 15:40	1	TAL BUR	ALS
P:ILM05.4_HW1	200-1636-D-5-A		200-7028	200-6872	09/23/2010 08:52	1	TAL BUR	ALS
A:ILM05.4/ICP	200-1636-D-5-A		200-7028	200-6872	09/25/2010 13:31	1	TAL BUR	TFS
A:300.0	200-1636-G-5		680-181849		10/02/2010 21:36	5	TAL SAV	CB
A:SM 2320B	200-1636-F-5		680-181224		09/27/2010 20:11	1	TAL SAV	TR
A:SM 2540C	200-1636-H-5		680-180881		09/23/2010 18:29	1	TAL SAV	TR
A:SM 2540D	200-1636-H-5		680-180883		09/23/2010 20:21	1	TAL SAV	TR
A:SM 5310B	200-1636-E-5		680-181209		09/27/2010 14:24	1	TAL SAV	DAM

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1
SDG: 200-1636-1

Laboratory Chronicle

Lab ID: 200-1636-5 DU

Client ID: ISCO-MW5

Sample Date/Time: 09/19/2010 10:00

Received Date/Time: 09/21/2010 10:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2320B	200-1636-F-5 DU		680-181224		09/27/2010 20:17	1	TAL SAV	TR

Lab ID: 200-1636-6

Client ID: TB

Sample Date/Time: 09/17/2010 00:00

Received Date/Time: 09/21/2010 10:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:SOM01.2/VOA _PR	200-1636-B-6		200-7052		09/23/2010 20:41	1	TAL BUR	CMP
A:SOM01.2/VOA _Tr	200-1636-B-6		200-7052		09/23/2010 20:41	1	TAL BUR	CMP

Lab ID: 200-1636-7

Client ID: VHBLK01

Sample Date/Time: 09/22/2010 08:55

Received Date/Time: 09/21/2010 10:05

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:SOM01.2/VOA _PR	200-1636-B-7		200-7052		09/23/2010 21:09	1	TAL BUR	CMP
A:SOM01.2/VOA _Tr	200-1636-B-7		200-7052		09/23/2010 21:09	1	TAL BUR	CMP

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:SOM01.2/VOA _PR	MB 200-6993/5		200-6993		09/23/2010 08:03	1	TAL BUR	CMP
A:SOM01.2/VOA _Tr	MB 200-6993/5		200-6993		09/23/2010 08:03	1	TAL BUR	CMP
P:SOM01.2/VOA _PR	MB 200-7052/4		200-7052		09/23/2010 16:22	1	TAL BUR	CMP
A:SOM01.2/VOA _Tr	MB 200-7052/4		200-7052		09/23/2010 16:22	1	TAL BUR	CMP
P:ILM05.4/HG_C W1	MB 200-6896/12-A		200-6995	200-6896	09/23/2010 11:55	1	TAL BUR	ALS
A:ILM05.4/HG	MB 200-6896/12-A		200-6995	200-6896	09/24/2010 14:46	1	TAL BUR	ALS
P:ILM05.4_HW1	MB 200-6872/1-A		200-7028	200-6872	09/23/2010 08:52	1	TAL BUR	ALS
A:ILM05.4/ICP	MB 200-6872/1-A		200-7028	200-6872	09/25/2010 13:04	1	TAL BUR	TFS
A:300.0	MB 680-181849/2		680-181849		10/02/2010 16:26	5	TAL SAV	CB
A:SM 2320B	MB 680-181224/5		680-181224		09/27/2010 19:19	1	TAL SAV	TR
A:SM 2540C	MB 680-180881/1		680-180881		09/23/2010 18:29	1	TAL SAV	TR
A:SM 2540D	MB 680-180883/1		680-180883		09/23/2010 20:21	1	TAL SAV	TR
A:SM 5310B	MB 680-181209/4		680-181209		09/27/2010 08:06	1	TAL SAV	DAM

Quality Control Results

Client: Panther Technologies

Job Number: 200-1636-1

SDG: 200-1636-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:ILM05.4/HG_C W1	LCS 200-6896/13-A		200-6995	200-6896	09/23/2010 11:55	1	TAL BUR	ALS
A:ILM05.4/HG	LCS 200-6896/13-A		200-6995	200-6896	09/24/2010 14:48	1	TAL BUR	ALS
P:ILM05.4_HW1	LCS 200-6872/2-A		200-7028	200-6872	09/23/2010 08:52	1	TAL BUR	ALS
A:ILM05.4/ICP	LCS 200-6872/2-A		200-7028	200-6872	09/25/2010 13:08	1	TAL BUR	TFS
A:300.0	LCS 680-181849/3		680-181849		10/02/2010 16:38	5	TAL SAV	CB
A:SM 2320B	LCS 680-181224/6		680-181224		09/27/2010 19:29	1	TAL SAV	TR
A:SM 2540C	LCS 680-180881/2		680-180881		09/23/2010 18:29	1	TAL SAV	TR
A:SM 2540D	LCS 680-180883/2		680-180883		09/23/2010 20:21	1	TAL SAV	TR
A:SM 5310B	LCS 680-181209/5		680-181209		09/27/2010 08:22	1	TAL SAV	DAM

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
A:300.0	LCSD 680-181849/4		680-181849		10/02/2010 16:51	5	TAL SAV	CB
A:SM 2320B	LCSD 680-181224/32		680-181224		09/27/2010 22:04	1	TAL SAV	TR
A:SM 2540C	LCSD 680-180881/3		680-180881		09/23/2010 18:29	1	TAL SAV	TR
A:SM 2540D	LCSD 680-180883/3		680-180883		09/23/2010 20:21	1	TAL SAV	TR
A:SM 5310B	LCSD 680-181209/6		680-181209		09/27/2010 08:38	1	TAL SAV	DAM

Lab References:

TAL BUR = TestAmerica Burlington

TAL SAV = TestAmerica Savannah

Method SOM01.2 Vol Tr

Volatile Organic Compounds (GC/MS)
by Method SOM01.2_Vol_Tr

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Matrix: Water Level: Trace
 GC Column (1): DB-624 ID: 0.2 (mm)

Client Sample ID	Lab Sample ID	VCL #	CLA #	DCE #	BUT #	CLF #	DCA #	BEN #	DPA #
ISCO-MW1	200-1636-1	101	102	79	101	101	103	105	93
ISCO-MW1 DL	200-1636-1 DL	98	101	76	102	100	106	105	91
ISCO-MW2	200-1636-2	0 *	100	31 *	107	100	106	106	94
ISCO-MW3	200-1636-3	102	103	79	106	102	106	108	96
ISCO-MW3 DL	200-1636-3 DL	101	102	78	106	104	109	106	97
ISCO-MW4	200-1636-4	97	105	79	105	103	109	108	97
ISCO-MW4 DL	200-1636-4 DL	97	99	76	105	100	104	103	93
ISCO-MW5	200-1636-5	104	103	80	107	103	110	106	98
ISCO-MW5 DL	200-1636-5 DL	100	101	79	99	102	108	107	94
TB	200-1636-6	99	100	78	104	103	108	104	91
VHBLK01	200-1636-7	97	99	79	107	104	109	106	92
	MB 200-6993/5	98	100	78	100	99	106	103	91
	MB 200-7052/4	101	101	77	103	102	108	105	93

QC LIMITS

VCL = Vinyl chloride-d3	65-131
CLA = Chloroethane-d5	71-131
DCE = 1,1-Dichloroethene-d2	55-104
BUT = 2-Butanone-d5	49-155
CLF = Chloroform-d	78-121
DCA = 1,2-Dichloroethane-d4	78-129
BEN = Benzene-d6	77-124
DPA = 1,2-Dichloropropane-d6	79-124

Column to be used to flag recovery values

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Matrix: Water Level: Trace
 GC Column (1): DB-624 ID: 0.2 (mm)

Client Sample ID	Lab Sample ID	TOL #	TDP #	HEX #	TCA #	DCZ #
ISCO-MW1	200-1636-1	103	100	99	101	107
ISCO-MW1 DL	200-1636-1 DL	100	102	99	103	105
ISCO-MW2	200-1636-2	101	0 *	103	104	106
ISCO-MW3	200-1636-3	105	103	101	104	110
ISCO-MW3 DL	200-1636-3 DL	104	103	102	103	108
ISCO-MW4	200-1636-4	106	99	104	109	111
ISCO-MW4 DL	200-1636-4 DL	100	98	99	105	104
ISCO-MW5	200-1636-5	106	105	102	107	110
ISCO-MW5 DL	200-1636-5 DL	103	101	100	103	107
TB	200-1636-6	102	101	102	102	111
VHBLK01	200-1636-7	102	101	101	104	110
	MB 200-6993/5	99	99	98	100	101
	MB 200-7052/4	102	105	102	104	108

QC LIMITS

TOL = Toluene-d8	77-121
TDP = trans-1,3-Dichloropropene-d4	73-121
HEX = 2-Hexanone-d5	28-135
TCA = 1,1,2,2-Tetrachloroethane-d2	73-125
DCZ = 1,2-Dichlorobenzene-d4	80-131

Column to be used to flag recovery values

FORM II SOM01.2/VOA_Tr

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Lab File ID: jbmc05.d Lab Sample ID: MB 200-6993/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: J.i Date Analyzed: 09/23/2010 08:03
GC Column: DB-624 ID: 0.2 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ISCO-MW1 DL	200-1636-1 DL	jbmc13.d	09/23/2010 11:59
ISCO-MW2	200-1636-2	jbmc14.d	09/23/2010 12:27
ISCO-MW3 DL	200-1636-3 DL	jbmc15.d	09/23/2010 12:55
ISCO-MW4 DL	200-1636-4 DL	jbmc16.d	09/23/2010 13:23
ISCO-MW5 DL	200-1636-5 DL	jbmc17.d	09/23/2010 13:52

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Lab File ID: jbmd04.d Lab Sample ID: MB 200-7052/4
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: J.i Date Analyzed: 09/23/2010 16:22
GC Column: DB-624 ID: 0.2 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ISCO-MW1	200-1636-1	jbmd05.d	09/23/2010 16:58
	VIBLK 200-7052/6	jbmd06.d	09/23/2010 17:25
ISCO-MW3	200-1636-3	jbmd07.d	09/23/2010 17:54
	VIBLK 200-7052/8	jbmd08.d	09/23/2010 18:21
ISCO-MW4	200-1636-4	jbmd09.d	09/23/2010 18:49
	VIBLK 200-7052/10	jbmd10.d	09/23/2010 19:18
ISCO-MW5	200-1636-5	jbmd11.d	09/23/2010 19:45
	VIBLK 200-7052/12	jbmd12.d	09/23/2010 20:13
TB	200-1636-6	jbmd13.d	09/23/2010 20:41
VHBLK01	200-1636-7	jbmd14.d	09/23/2010 21:09

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Lab File ID: jbm01.d BFB Injection Date: 09/21/2010
Instrument ID: J.i BFB Injection Time: 14:17
Analysis Batch No.: 6837

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.2
75	30.0 - 80.0% of mass 95	51.0
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	0.6 (0.7) 1
174	50.0 - 120% of mass 95	88.5
175	5.0 - 9.0% of mass 174	6.3 (7.1) 1
176	95.0 - 101% of mass 174	88.5 (100.0) 1
177	5.0 - 9.0% of mass 176	5.8 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-6837/2	jbm02.d	09/21/2010	14:35
	IC 200-6837/3	jbm03.d	09/21/2010	15:03
	ICIS 200-6837/4	jbm04.d	09/21/2010	15:31
	IC 200-6837/5	jbm05.d	09/21/2010	15:59
	IC 200-6837/8	jbm08.d	09/21/2010	17:24

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Lab File ID: jbmc01.d BFB Injection Date: 09/23/2010
Instrument ID: J.i BFB Injection Time: 06:19
Analysis Batch No.: 6993

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 80.0% of mass 95	51.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.5) 1
174	50.0 - 120% of mass 95	85.2
175	5.0 - 9.0% of mass 174	6.5 (7.7) 1
176	95.0 - 101% of mass 174	83.6 (98.1) 1
177	5.0 - 9.0% of mass 176	5.2 (6.2) 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 200-6993/3	jbmc03.d	09/23/2010	07:06
	MB 200-6993/5	jbmc05.d	09/23/2010	08:03
ISCO-MW1 DL	200-1636-1 DL	jbmc13.d	09/23/2010	11:59
ISCO-MW2	200-1636-2	jbmc14.d	09/23/2010	12:27
ISCO-MW3 DL	200-1636-3 DL	jbmc15.d	09/23/2010	12:55
ISCO-MW4 DL	200-1636-4 DL	jbmc16.d	09/23/2010	13:23
ISCO-MW5 DL	200-1636-5 DL	jbmc17.d	09/23/2010	13:52
	CCVC 200-6993/19	jbmc19.d	09/23/2010	14:48

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Lab File ID: jbmd01.d BFB Injection Date: 09/23/2010
Instrument ID: J.i BFB Injection Time: 15:14
Analysis Batch No.: 7052

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.0
75	30.0 - 80.0% of mass 95	49.8
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	0.4 (0.5) 1
174	50.0 - 120% of mass 95	89.8
175	5.0 - 9.0% of mass 174	6.2 (6.9) 1
176	95.0 - 101% of mass 174	89.4 (99.5) 1
177	5.0 - 9.0% of mass 176	5.8 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-7052/2	jbmd02.d	09/23/2010	15:26
	MB 200-7052/4	jbmd04.d	09/23/2010	16:22
ISCO-MW1	200-1636-1	jbmd05.d	09/23/2010	16:58
	VIBLK 200-7052/6	jbmd06.d	09/23/2010	17:25
ISCO-MW3	200-1636-3	jbmd07.d	09/23/2010	17:54
	VIBLK 200-7052/8	jbmd08.d	09/23/2010	18:21
ISCO-MW4	200-1636-4	jbmd09.d	09/23/2010	18:49
	VIBLK 200-7052/10	jbmd10.d	09/23/2010	19:18
ISCO-MW5	200-1636-5	jbmd11.d	09/23/2010	19:45
	VIBLK 200-7052/12	jbmd12.d	09/23/2010	20:13
TB	200-1636-6	jbmd13.d	09/23/2010	20:41
VHBLK01	200-1636-7	jbmd14.d	09/23/2010	21:09
	CCVC 200-7052/25	jbmd25.d	09/24/2010	02:18

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Sample No.: CCVIS 200-6993/3 Date Analyzed: 09/23/2010 07:06
 Instrument ID: J.i GC Column: DB-624 ID: 0.2 (mm)
 Lab File ID (Standard): jbmc03.d Heated Purge: (Y/N) N
 Calibration ID: 2422

	DFB		CBZ		DCB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	805675	5.59	617545	8.97	275952	11.80
UPPER LIMIT	1127945	5.92	864563	9.30	386333	12.13
LOWER LIMIT	483405	5.26	370527	8.64	165571	11.47
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 200-6993/5		766765	5.59	587158	8.97	253569 11.80
200-1636-1 DL	ISCO-MW1 DL	764600	5.59	574261	8.97	244933 11.80
200-1636-2	ISCO-MW2	766733	5.59	577536	8.97	249049 11.81
200-1636-3 DL	ISCO-MW3 DL	759341	5.59	575336	8.97	247569 11.81
200-1636-4 DL	ISCO-MW4 DL	773084	5.59	585950	8.97	255866 11.81
200-1636-5 DL	ISCO-MW5 DL	754027	5.59	567823	8.97	245237 11.81
CCVC 200-6993/19		766546	5.60	590605	8.97	265793 11.81

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 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 Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Sample No.: CCVIS 200-7052/2 Date Analyzed: 09/23/2010 15:26
 Instrument ID: J.i GC Column: DB-624 ID: 0.2 (mm)
 Lab File ID (Standard): jbmd02.d Heated Purge: (Y/N) N
 Calibration ID: 2422

	DFB		CBZ		DCB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	763681	5.59	581876	8.97	261228	11.81
UPPER LIMIT	1069153	5.92	814626	9.30	365719	12.14
LOWER LIMIT	458209	5.26	349126	8.64	156737	11.48
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 200-7052/4		757287	5.59	573613	8.97	247010 11.80
200-1636-1	ISCO-MW1	750826	5.59	563503	8.97	235182 11.81
VIBLK 200-7052/6		753516	5.60	566126	8.97	241656 11.81
200-1636-3	ISCO-MW3	750599	5.60	565252	8.97	238090 11.81
VIBLK 200-7052/8		768703	5.60	572595	8.97	241057 11.81
200-1636-4	ISCO-MW4	742782	5.60	569124	8.97	244962 11.81
VIBLK 200-7052/10		746506	5.59	563632	8.97	243221 11.81
200-1636-5	ISCO-MW5	724860	5.60	562205	8.97	239105 11.81
VIBLK 200-7052/12		748692	5.59	572952	8.97	243780 11.81
200-1636-6	TB	759731	5.60	584854	8.97	242558 11.81
200-1636-7	VHBLK01	752553	5.60	575735	8.97	239074 11.81
CCVC 200-7052/25		749606	5.60	573838	8.97	254210 11.81

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 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 Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: ISCO-MW1 Lab Sample ID: 200-1636-1
 Matrix: Water Lab File ID: jbmd05.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 11:15
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 16:58
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.025
74-87-3	Chloromethane	0.50	U	0.50	0.097
75-01-4	Vinyl chloride	0.50	U	0.50	0.049
74-83-9	Bromomethane	0.50	U	0.50	0.050
75-00-3	Chloroethane	0.50	U	0.50	0.069
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.052
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.038
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.030
67-64-1	Acetone	2.3	J B	5.0	0.93
75-15-0	Carbon disulfide	0.50	U	0.50	0.060
79-20-9	Methyl acetate	0.50	U	0.50	0.075
75-09-2	Methylene chloride	0.50	U	0.50	0.060
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.018
1634-04-4	Methyl tert-butyl ether	1.6		0.50	0.032
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.053
156-59-2	cis-1,2-Dichloroethene	0.46	J	0.50	0.052
78-93-3	2-Butanone	5.0	U	5.0	0.61
74-97-5	Bromochloromethane	0.50	U	0.50	0.072
67-66-3	Chloroform	0.47	J	0.50	0.047
71-55-6	1,1,1-Trichloroethane	0.11	J	0.50	0.028
110-82-7	Cyclohexane	0.50	U	0.50	0.040
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.038
71-43-2	Benzene	0.50	U	0.50	0.030
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.057
79-01-6	Trichloroethene	76	E	0.50	0.054
108-87-2	Methylcyclohexane	0.50	U	0.50	0.049
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.053
75-27-4	Bromodichloromethane	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.036
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.36
108-88-3	Toluene	0.10	J	0.50	0.031
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.031
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.073
127-18-4	Tetrachloroethene	0.97		0.50	0.051
591-78-6	2-Hexanone	5.0	U	5.0	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: ISCO-MW1 Lab Sample ID: 200-1636-1
 Matrix: Water Lab File ID: jbmd05.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 11:15
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 16:58
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.50	U	0.50	0.047
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.20
108-90-7	Chlorobenzene	0.50	U	0.50	0.039
100-41-4	Ethylbenzene	0.50	U	0.50	0.050
95-47-6	o-Xylene	0.50	U	0.50	0.041
179601-23-1	m,p-Xylene	0.060	J	0.50	0.033
100-42-5	Styrene	0.50	U	0.50	0.057
75-25-2	Bromoform	0.50	U	0.50	0.066
98-82-8	Isopropylbenzene	0.50	U	0.50	0.044
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.080
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.042
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.035
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.051
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.25
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.047
87-61-6	1,2,3-Trichlorobenzene	0.031	J B	0.50	0.029

CAS NO.	SURROGATE	%REC	LIMITS	Q
6745-35-3	Vinyl chloride-d3	101	65-131	
19199-91-8	Chloroethane-d5	102	71-131	
22280-73-5	1,1-Dichloroethene-d2	79	55-104	
24313-50-6	2-Butanone-d5	101	49-155	
865-49-6	Chloroform-d	101	78-121	
17060-07-0	1,2-Dichloroethane-d4	103	78-129	
1076-43-3	Benzene-d6	105	77-124	
93952-08-0	1,2-Dichloropropane-d6	93	79-124	
2037-26-5	Toluene-d8	103	77-121	
93951-86-1	trans-1,3-Dichloropropene-d4	100	73-121	
4840-82-8	2-Hexanone-d5	99	28-135	
33685-54-0	1,1,2,2-Tetrachloroethane-d2	101	73-125	
2199-69-1	1,2-Dichlorobenzene-d4	107	80-131	

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: ISCO-MW1 Lab Sample ID: 200-1636-1
Matrix: Water Lab File ID: jbmd05.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 11:15
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 16:58
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 7052 Units: ug/L
Number TICs Found: 4 TIC Result Total: 6.33

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	1.68	0.83	B J
	Unknown	6.93	2.7	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	1.4	B J N
	Unknown siloxane derivative	10.72	1.4	B J

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: ISCO-MW1 Lab Sample ID: 200-1636-1
Matrix: Water Lab File ID: jbmd05.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 11:15
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 16:58
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-1
Client Smp ID: ISCO-MW1
Inj Date : 23-SEP-2010 16:58
Operator : JH2
Smp Info : 200-1636-C-1
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2
Cal Date : 21-SEP-2010 17:24
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
		QUANT SIG				ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
\$ 3 Vinyl chloride-d3	65	1.563	1.563	(0.280)	254022	126.386	5.1
4 Vinyl chloride	62	Compound Not Detected.					
5 Bromomethane	94	Compound Not Detected.					
\$ 6 Chloroethane-d5	69	1.867	1.867	(0.334)	209094	126.957	5.1
7 Chloroethane	64	Compound Not Detected.					
8 Trichlorofluoromethane	101	Compound Not Detected.					
\$ 9 1,1-Dichloroethene-d2	63	2.475	2.481	(0.443)	312539	98.2524	3.9
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12 Acetone	43	2.536	2.536	(0.454)	4414	57.0308	2.3
13 Carbon disulfide	76	Compound Not Detected.					
14 Methyl acetate	43	Compound Not Detected.					
15 Methylene chloride	84	Compound Not Detected.					

						CONCENTRATIONS		
		QUANT	SIG			ON-COLUMN	FINAL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
=====		=====	==	=====	=====	=====	=====	=====
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	17 Methyl tert-butyl ether	73	3.157	3.156	(0.565)	77105	39.4977	1.6
	18 1,1-Dichloroethane	63	Compound Not Detected.					
\$	19 2-Butanone-d5	46	4.148	4.148	(0.742)	149989	1261.09	50
	20 cis-1,2-Dichloroethene	96	4.191	4.191	(0.750)	19999	11.5486	0.46
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
\$	23 Chloroform-d	84	4.525	4.525	(0.810)	364038	126.318	5.1
	24 Chloroform	83	4.544	4.544	(0.813)	33837	11.7542	0.47
	25 1,1,1-Trichloroethane	97	4.738	4.738	(0.528)	8469	2.80132	0.11
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
\$	28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.912)	118996	129.166	5.2
\$	29 Benzene-d6	84	5.109	5.109	(0.569)	836178	131.578	5.3
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.590	5.590	(1.000)	750826	125.000	
	33 Trichloroethene	95	5.882	5.882	(0.656)	3566224	1888.67	76(A)
\$	34 1,2-Dichloropropane-d6	67	6.034	6.040	(0.672)	194971	116.331	4.7
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	39 4-Methyl-2-pentanone	43	Compound Not Detected.					
\$	40 Toluene-d8	98	7.275	7.275	(0.811)	803605	128.647	5.1
	41 Toluene	91	7.354	7.354	(0.820)	18951	2.52852	0.10
\$	42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)	144163	124.530	5.0
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	7.987	7.987	(0.890)	41140	24.3290	0.97
\$	46 2-Hexanone-d5	63	8.090	8.090	(0.902)	135152	1232.14	49
	47 2-Hexanone	43	Compound Not Detected.					
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	563503	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	Compound Not Detected.					
	53 m,p-Xylene	106	9.289	9.289	(1.035)	5045	1.50015	0.060
	54 Styrene	104	Compound Not Detected.					
	55 o-Xylene	106	Compound Not Detected.					
	56 Bromoform	172	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
\$	58 1,1,2,2-Tetrachloroethane-d2	84	10.566	10.560	(1.178)	65714	125.641	5.0
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.807	11.807	(1.000)	235182	125.000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	172799	133.169	5.3
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	14.417	14.417	(1.221)	644	0.77862	0.031

QC Flag Legend

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

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-1
Client Smp ID: ISCO-MW1
Inj Date : 23-SEP-2010 16:58
Operator : JH2
Smp Info : 200-1636-C-1
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2
Cal Date : 21-SEP-2010 17:24
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

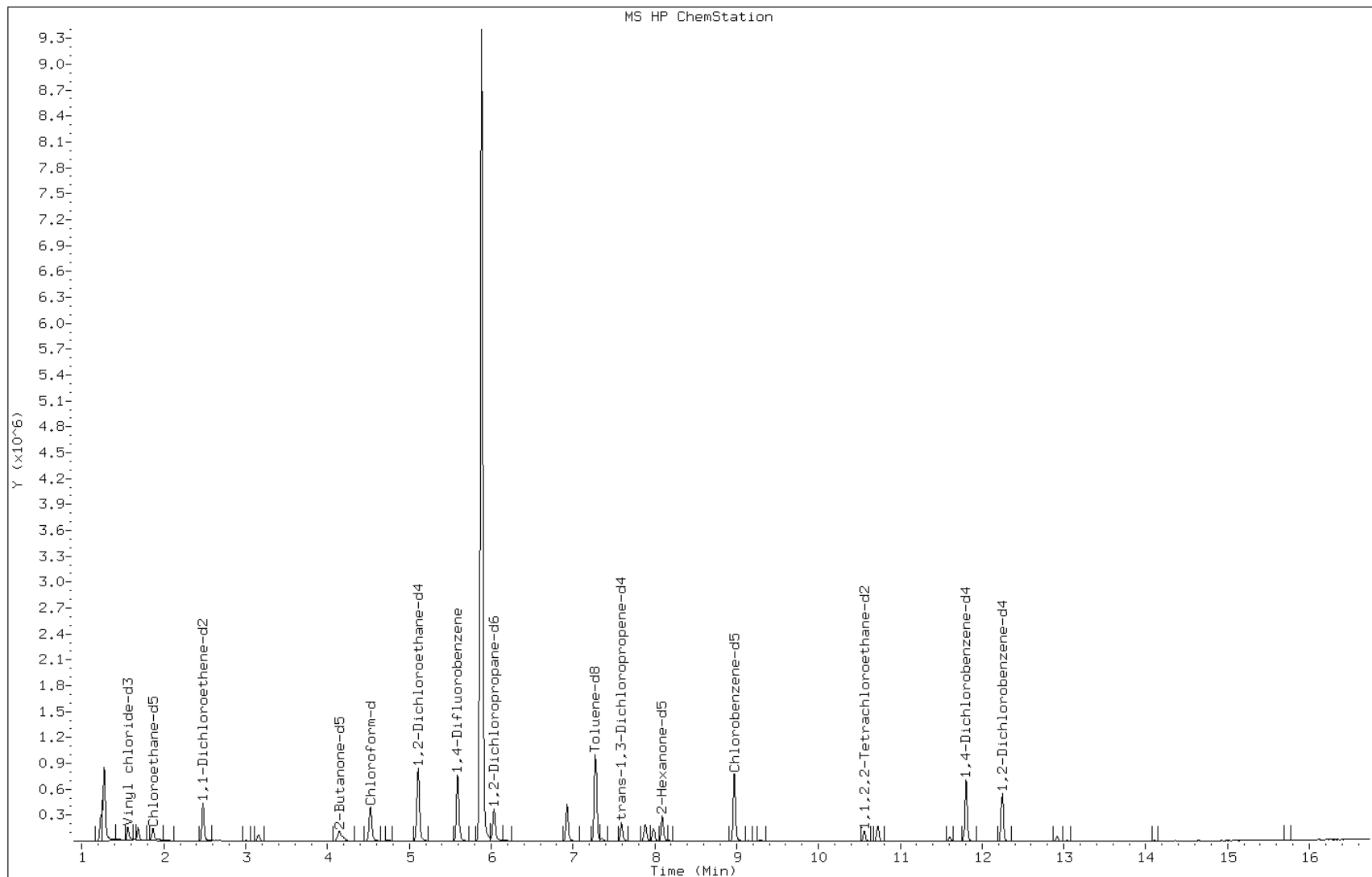
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.590	1660959	125.000
* 50 Chlorobenzene-d5	8.972	1618231	125.000
* 61 1,4-Dichlorobenzene-d4	11.807	1383283	125.000

RT	AREA	CONCENTRATIONS		QUAL	LIBRARY	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)			LIB ENTRY		
=====	=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:			
1.684	277040	20.8494067	0.83	0		0		32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
6.928	888782	66.8877049	2.7	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.883	455866	35.2133238	1.4	91	NIST05.l	73123	50
Unknown siloxane derivative					CAS #:		
10.724	379597	34.3021493	1.4	0		0	61

Data File: jbmd05.d
Client ID: ISCO-MW1
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 200-1636-C-1
Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 16:58
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



Data File: jbm05.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 16:58

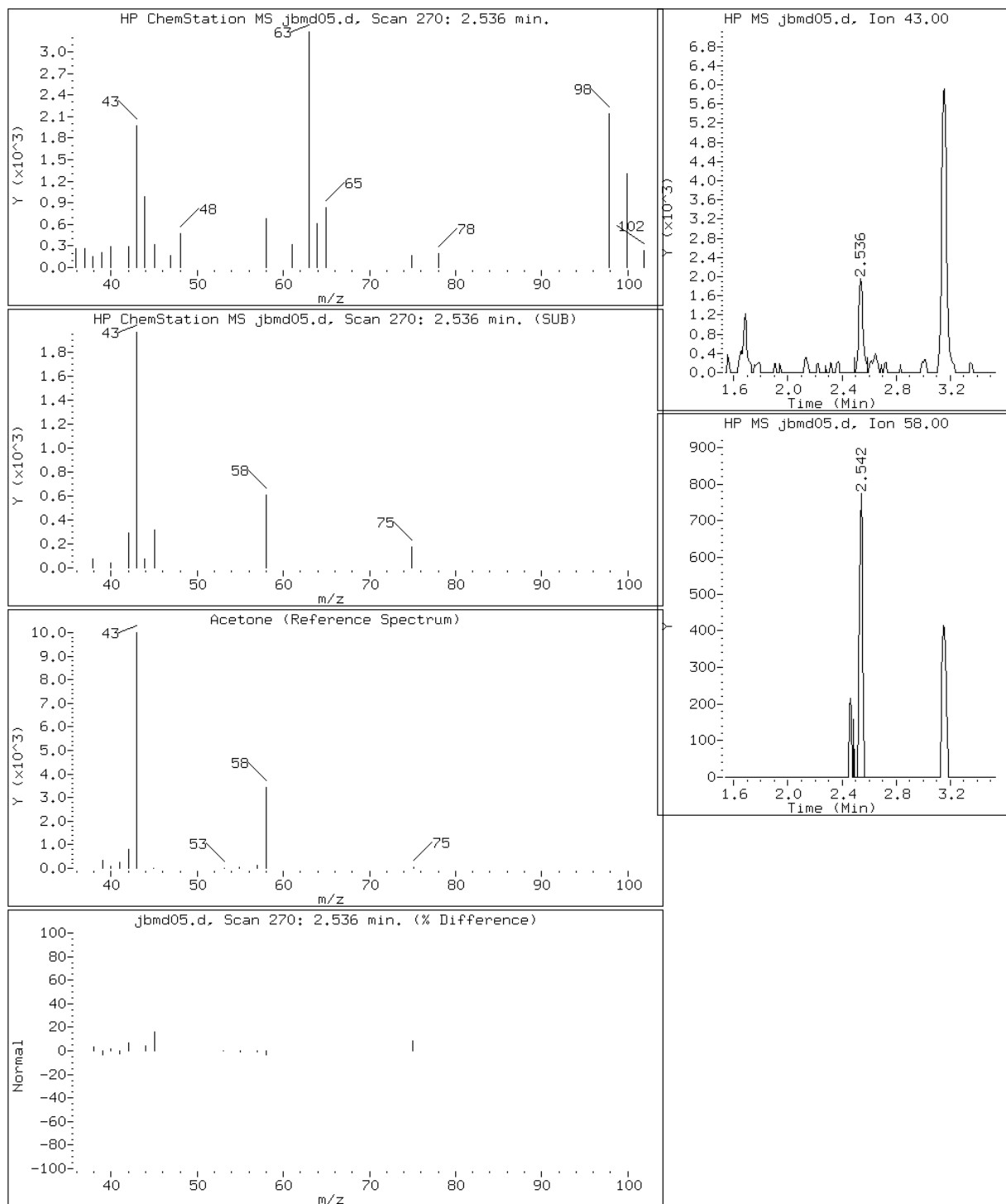
Client ID: ISCO-MW1

Instrument: J.i

Sample Info: 200-1636-C-1

Operator: JH2

12 Acetone



Data File: jbm05.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 16:58

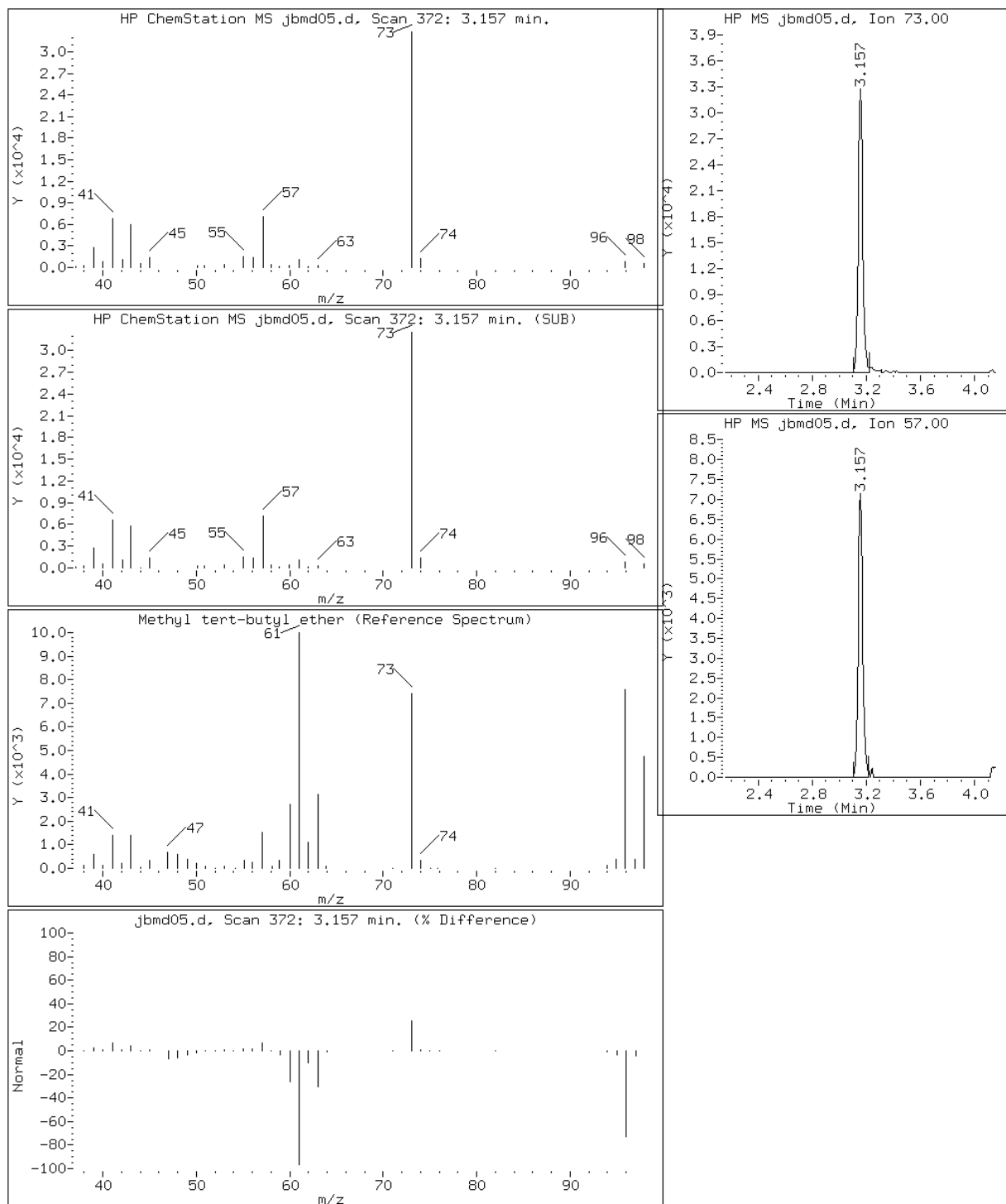
Client ID: ISCO-MW1

Instrument: J.i

Sample Info: 200-1636-C-1

Operator: JH2

17 Methyl tert-butyl ether



Data File: jbm05.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 16:58

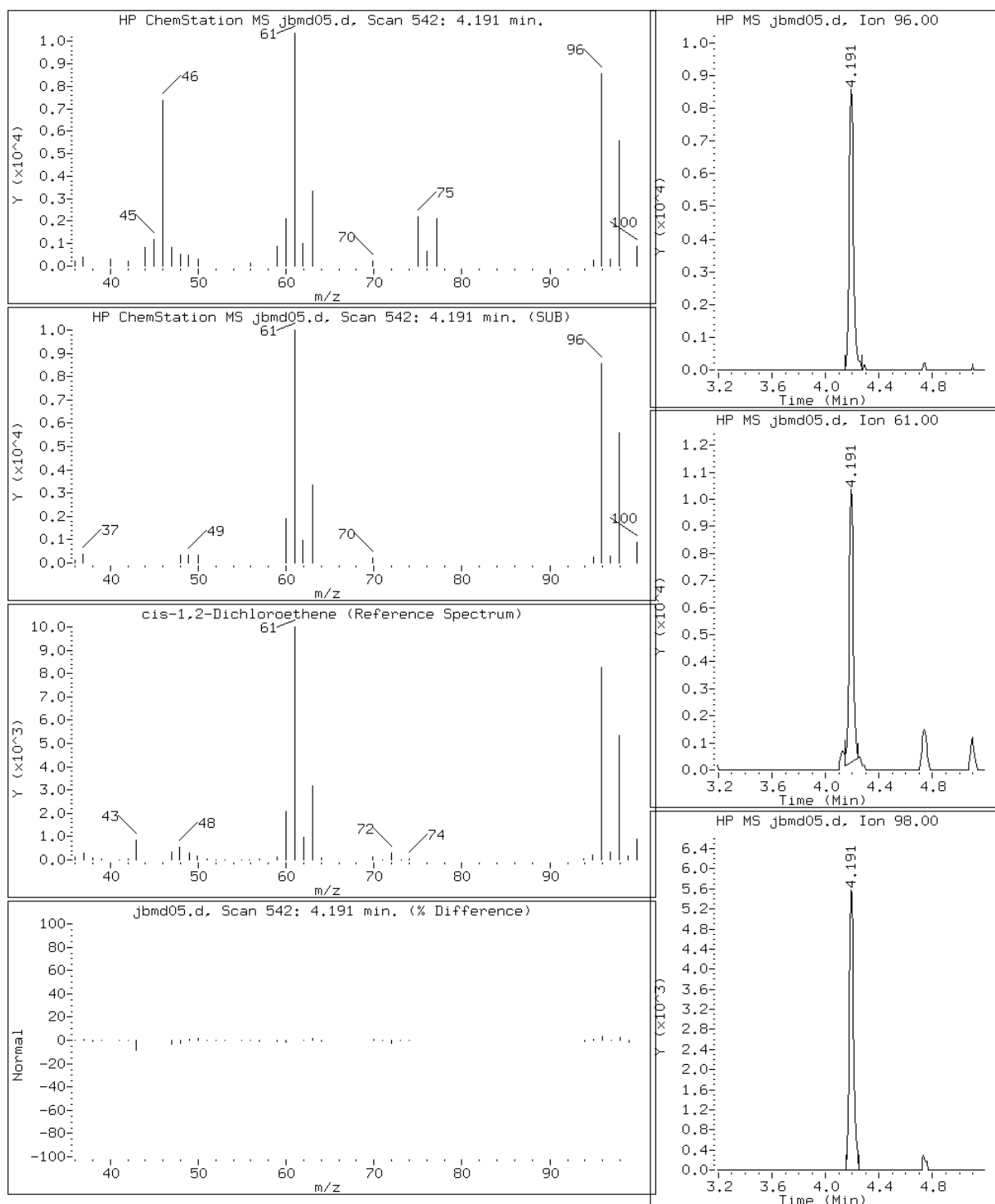
Client ID: ISCO-MW1

Instrument: J.i

Sample Info: 200-1636-C-1

Operator: JH2

20 cis-1,2-Dichloroethene



Data File: jbm05.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 16:58

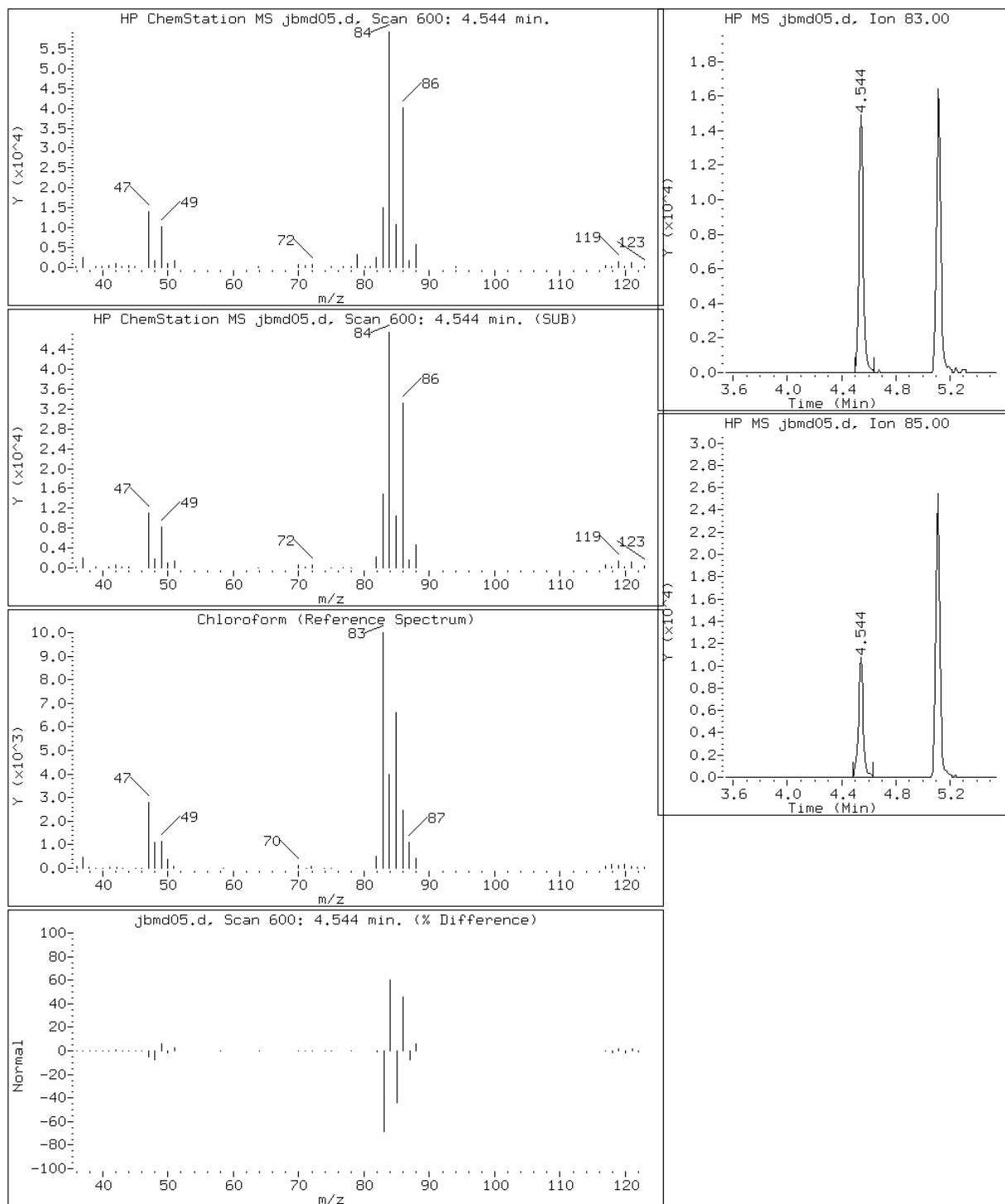
Client ID: ISCO-MW1

Instrument: J.i

Sample Info: 200-1636-C-1

Operator: JH2

24 Chloroform



Data File: jbm05.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 16:58

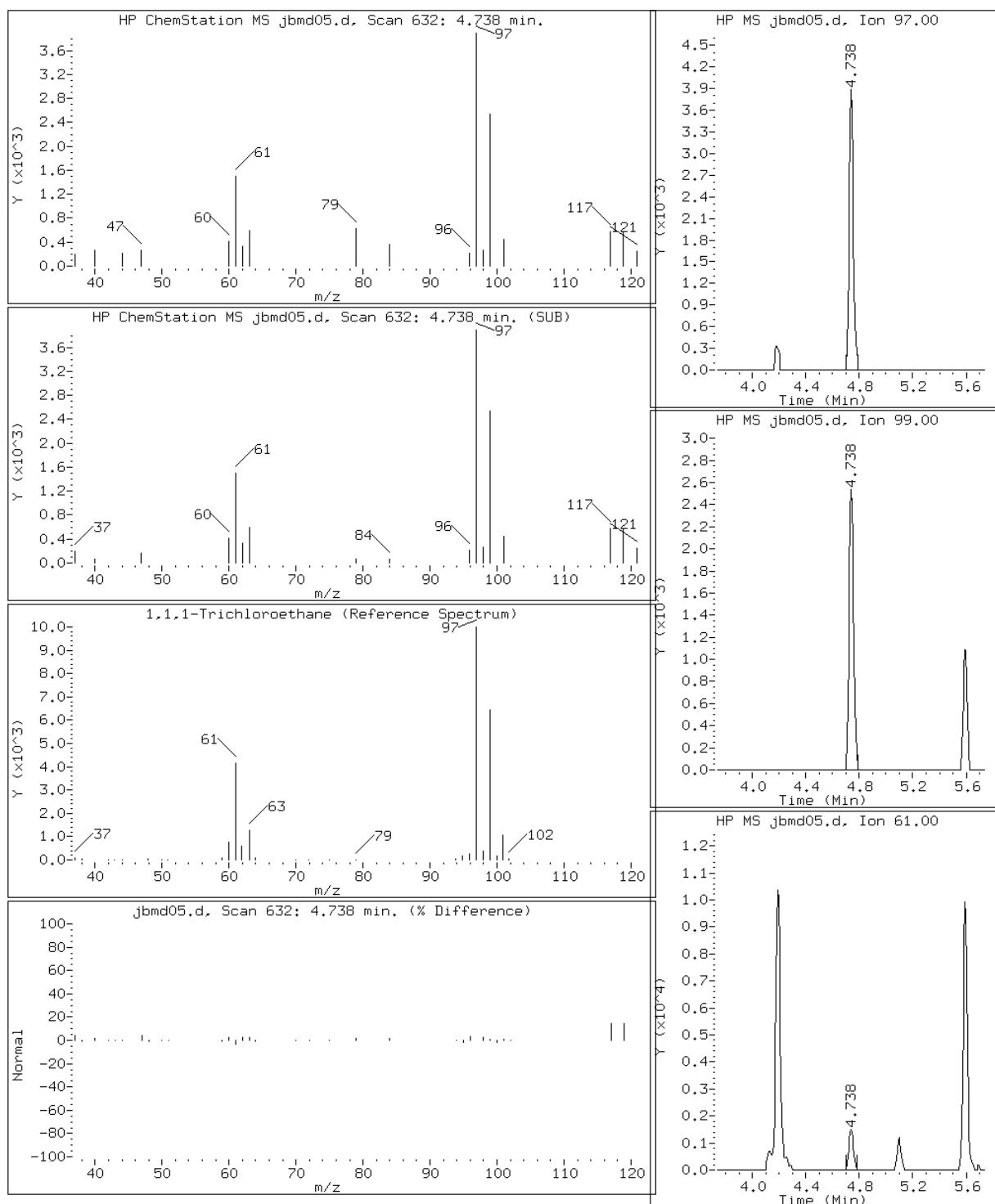
Client ID: ISCO-MW1

Instrument: J.i

Sample Info: 200-1636-C-1

Operator: JH2

25 1,1,1-Trichloroethane



Data File: jbm05.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 16:58

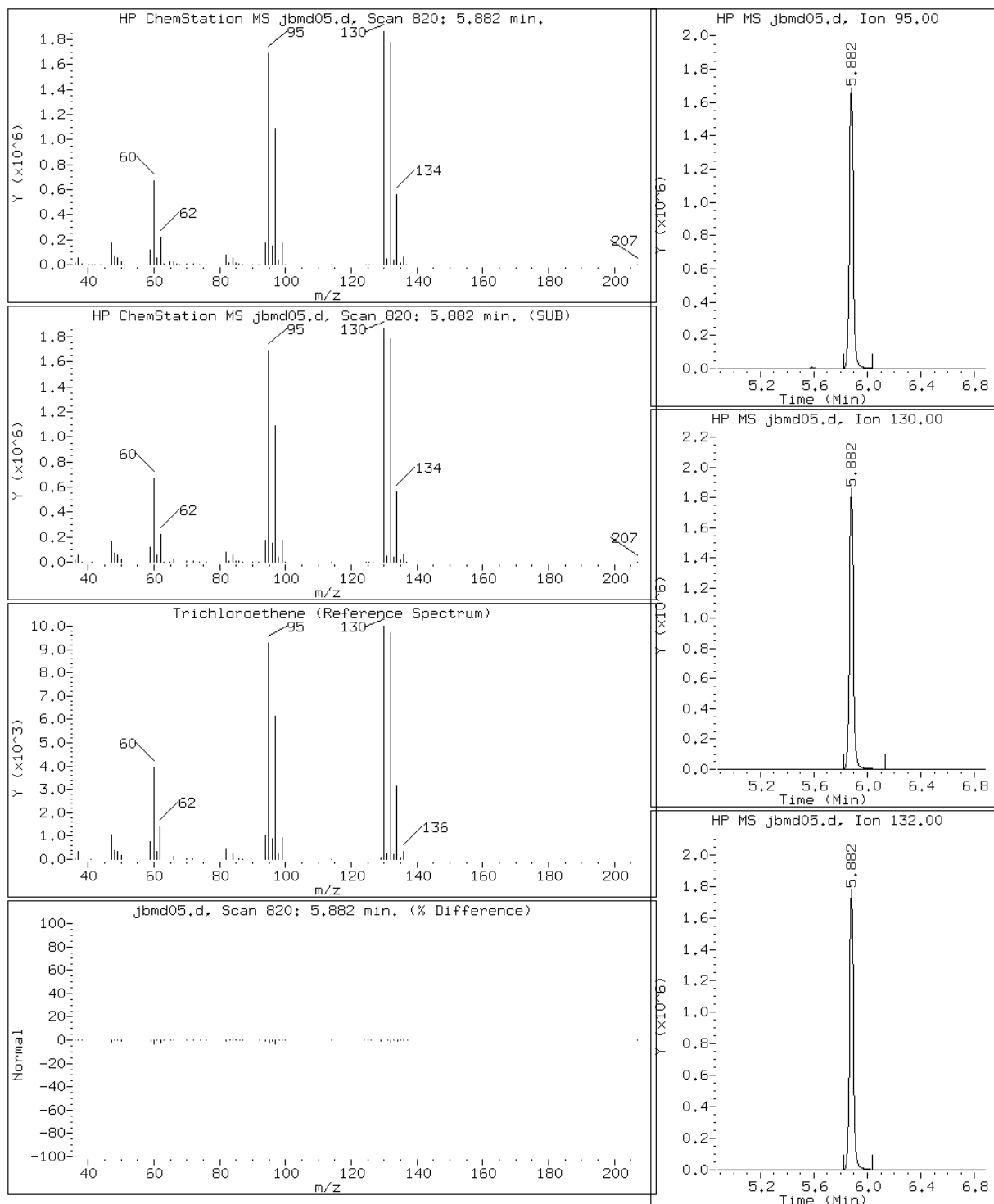
Client ID: ISCO-MW1

Instrument: J.i

Sample Info: 200-1636-C-1

Operator: JH2

33 Trichloroethene



Data File: jbm05.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 16:58

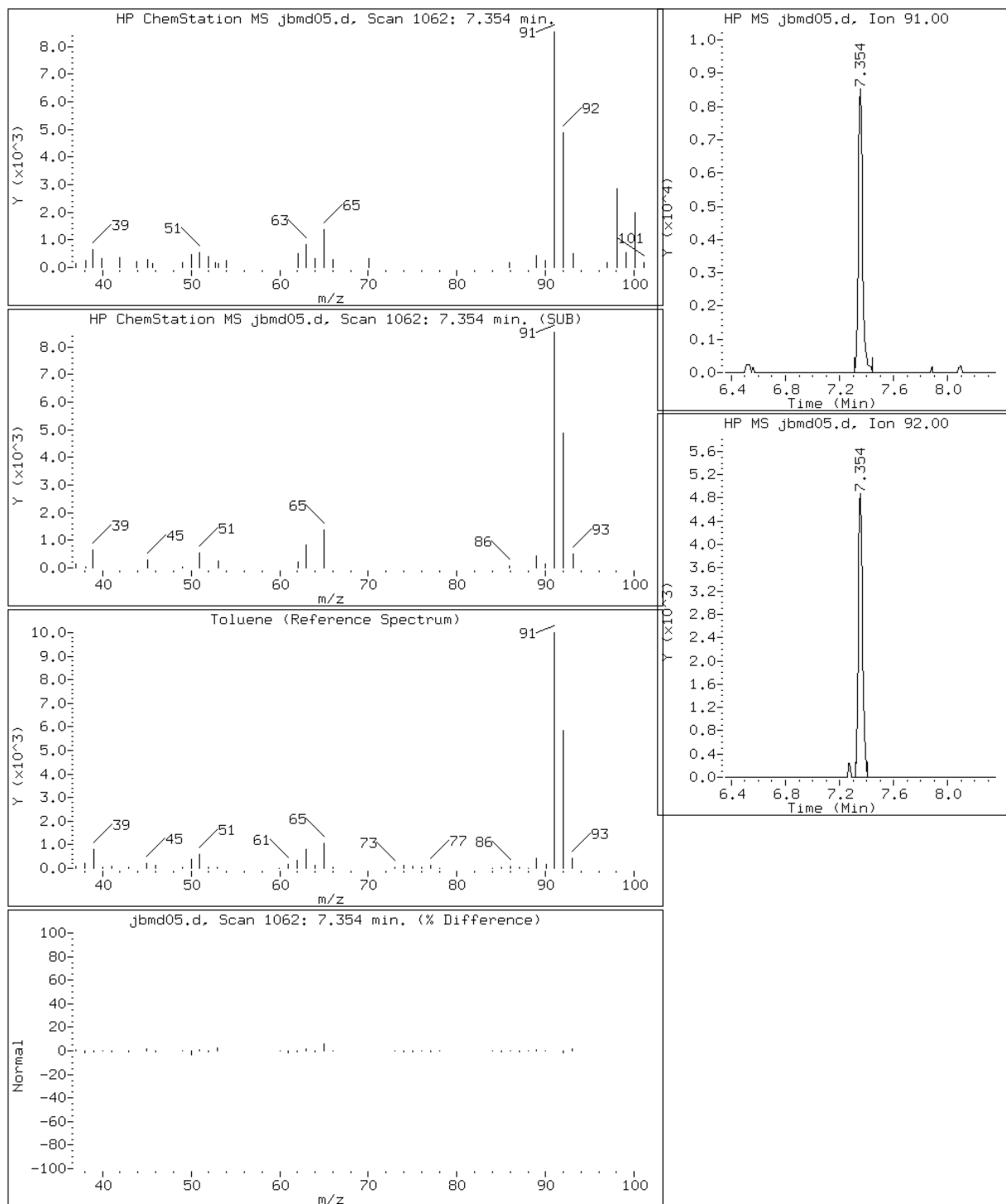
Client ID: ISCO-MW1

Instrument: J.i

Sample Info: 200-1636-C-1

Operator: JH2

41 Toluene



Data File: jbm05.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 16:58

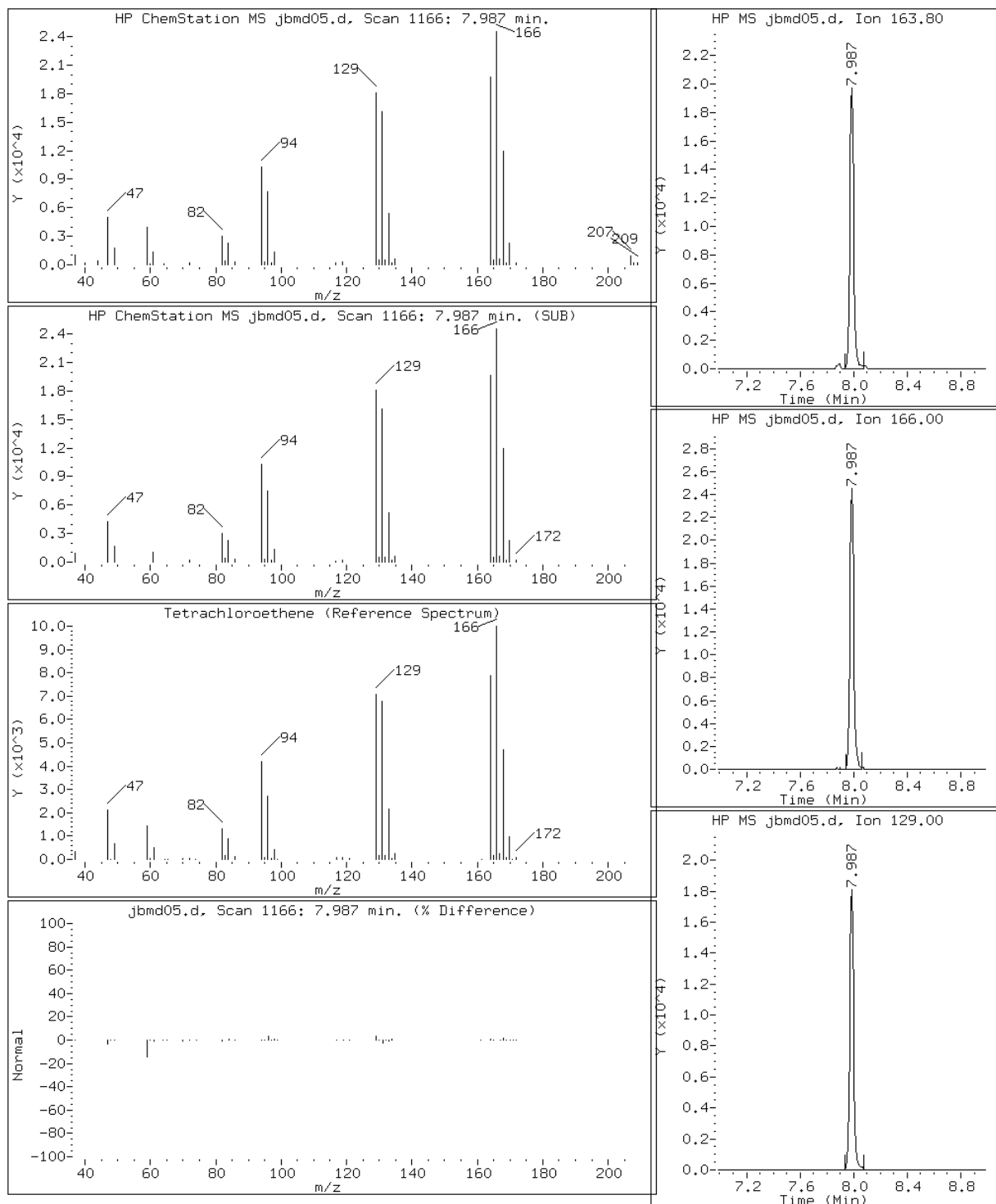
Client ID: ISCO-MW1

Instrument: J.i

Sample Info: 200-1636-C-1

Operator: JH2

45 Tetrachloroethene



Data File: jbm05.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 16:58

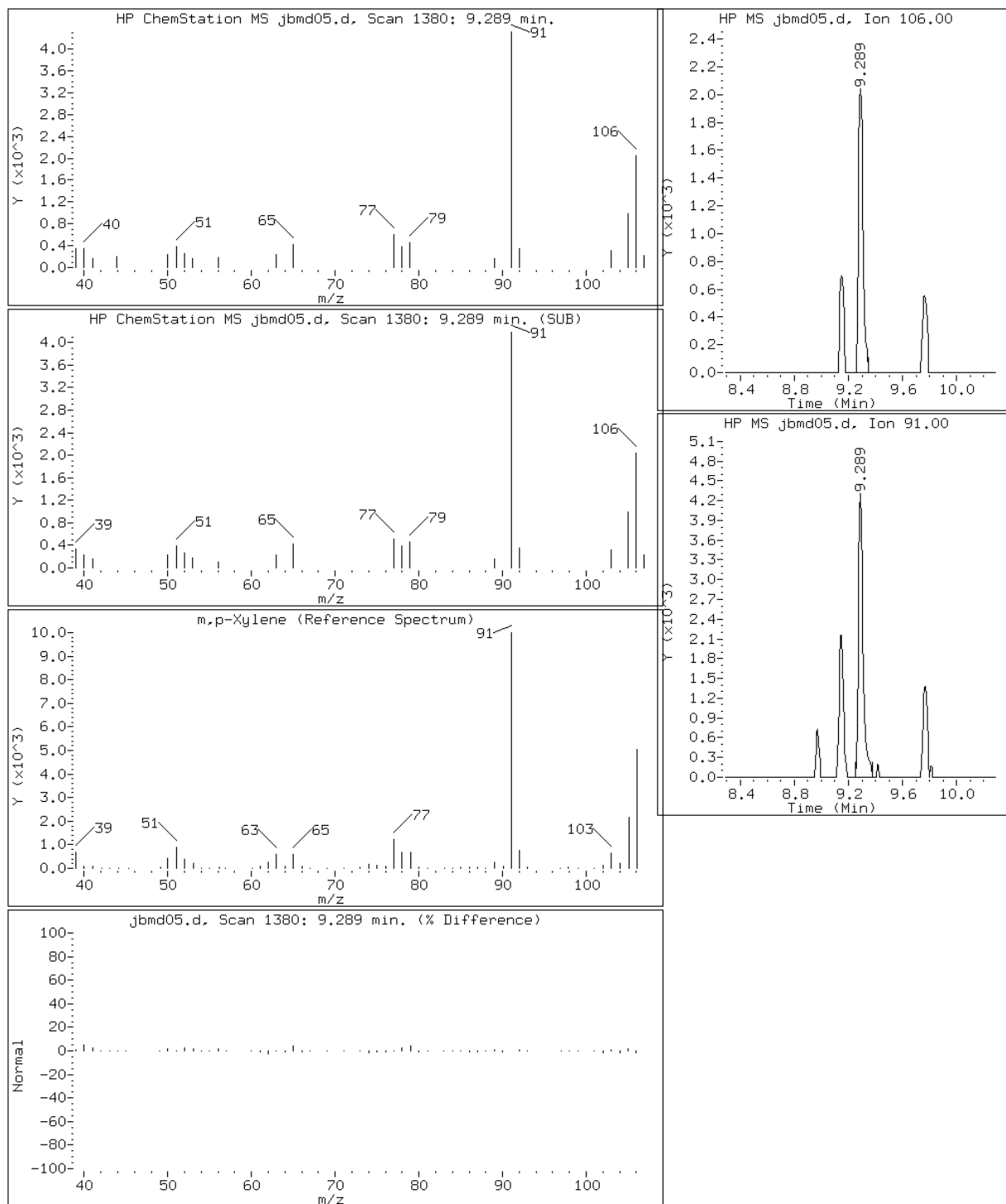
Client ID: ISCO-MW1

Instrument: J.i

Sample Info: 200-1636-C-1

Operator: JH2

53 m,p-Xylene



Data File: jbm05.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 16:58

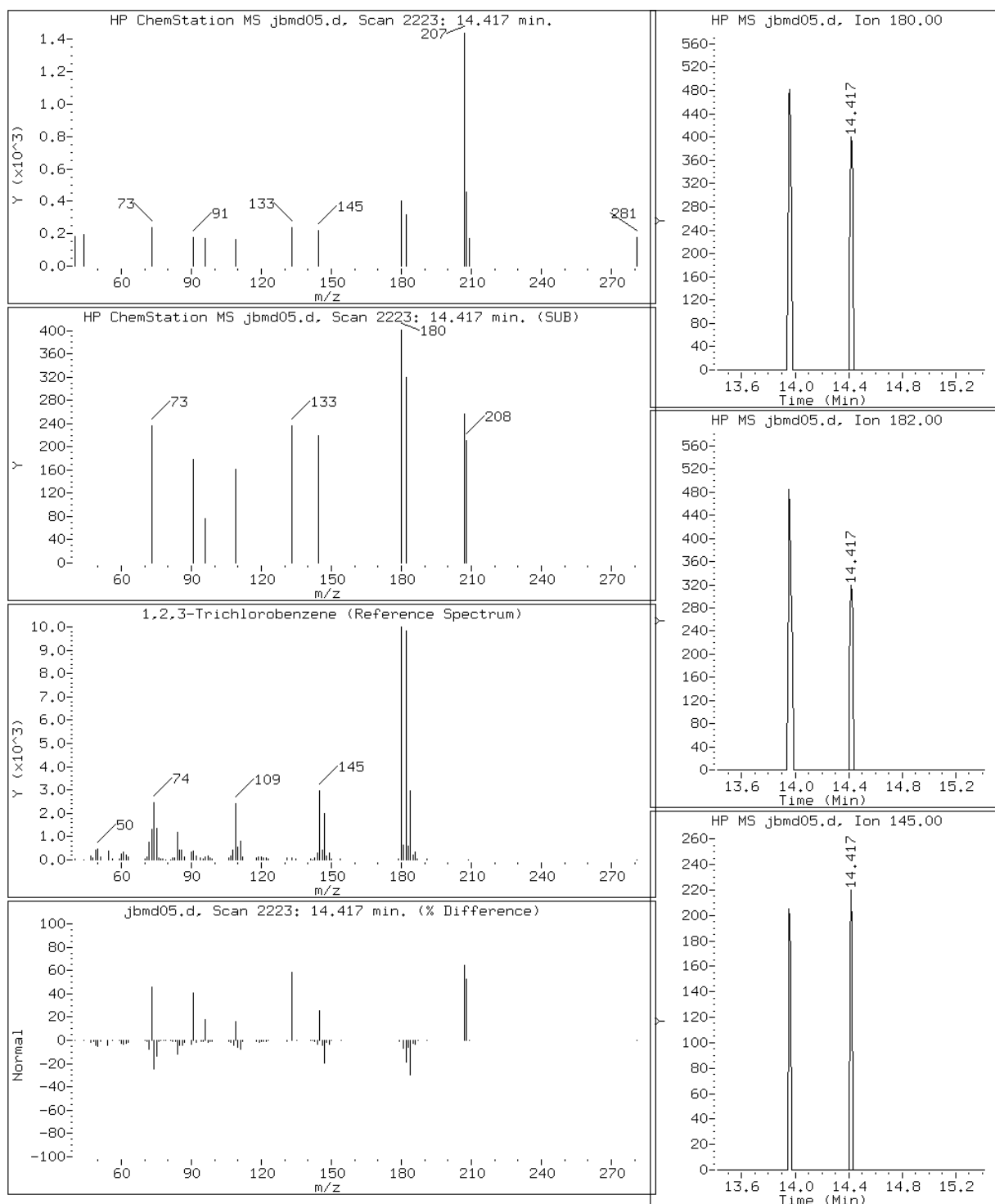
Client ID: ISCO-MW1

Instrument: J.i

Sample Info: 200-1636-C-1

Operator: JH2

67 1,2,3-Trichlorobenzene



Data File: jbm05.d

Lab Sample ID: 200-1636-1

Client ID: ISCO-MW1

Sample Info: 200-1636-C-1

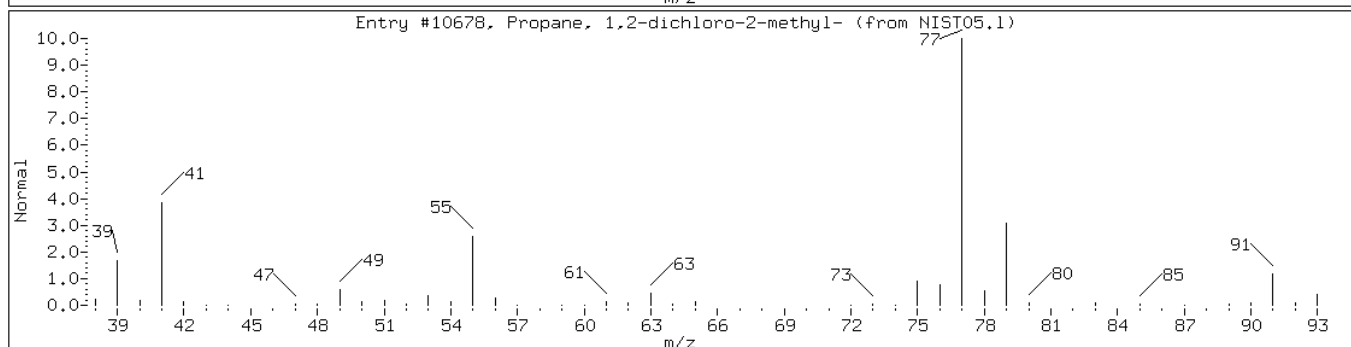
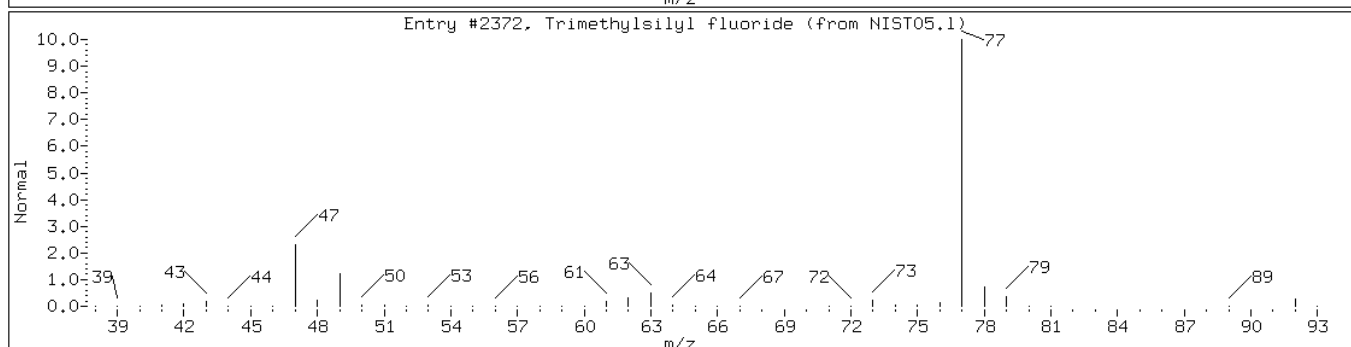
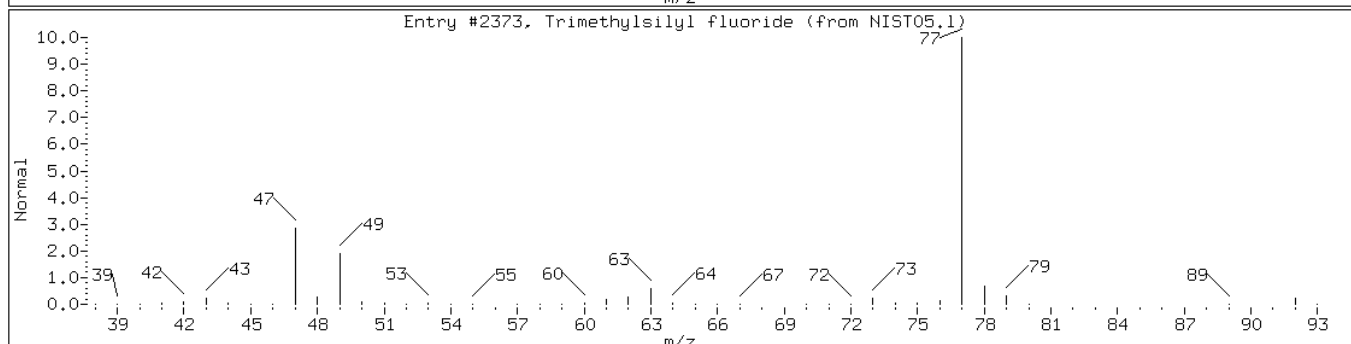
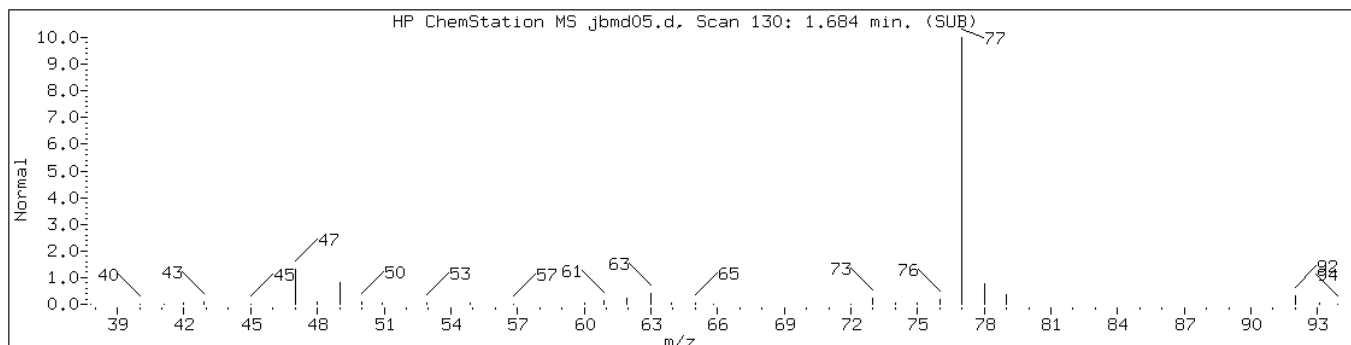
Date: 23-SEP-2010 16:58

Instrument: J.i

Operator: JH2

Retention Time: 1.68

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	91	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	83	C3H9FSi	92
Propane, 1,2-dichloro-2-methyl-	594-37-6	NIST05.1	10678	9	C4H8Cl2	126



Data File: jbm05.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 16:58

Client ID: ISCO-MW1

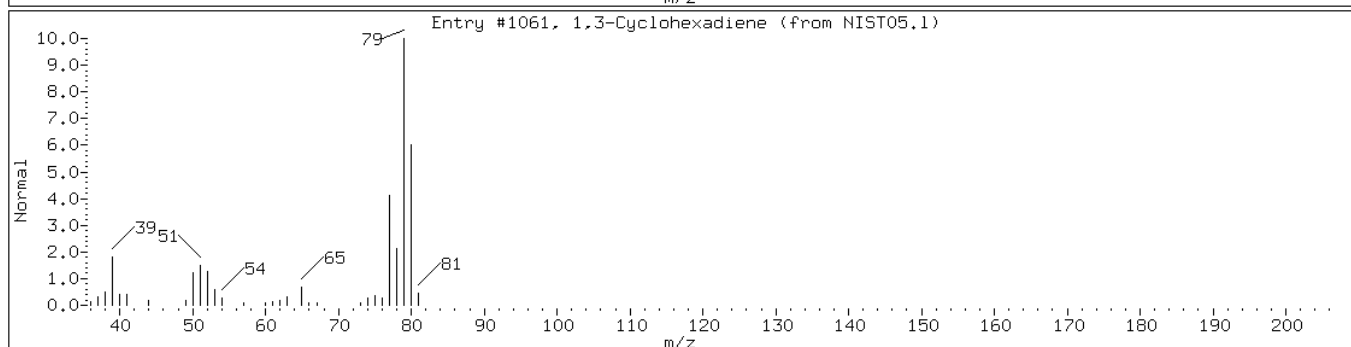
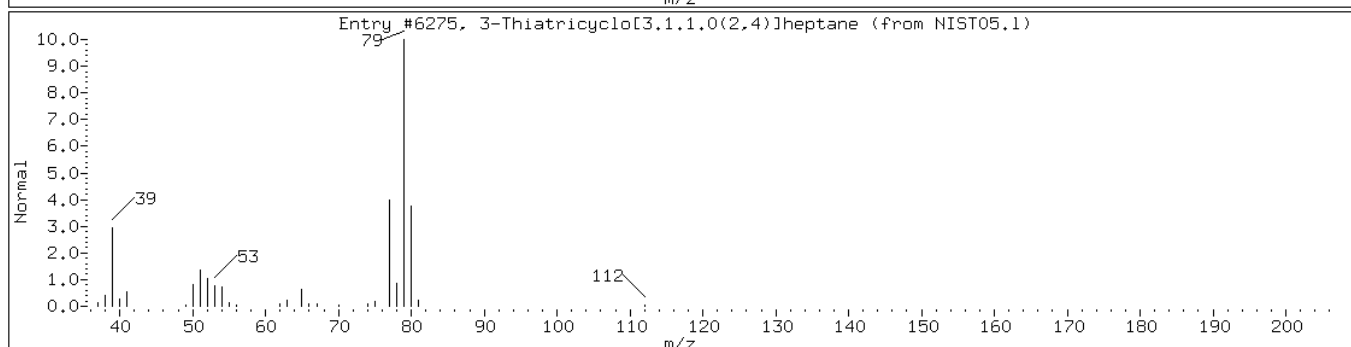
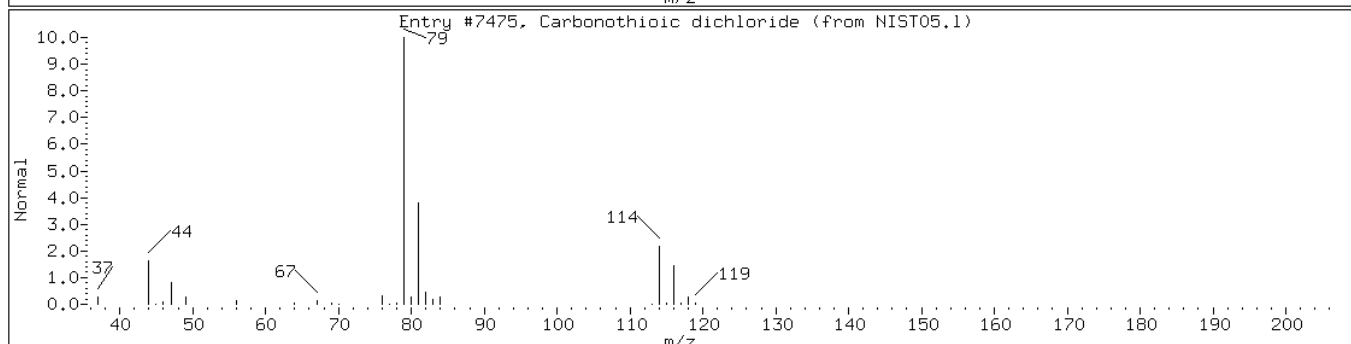
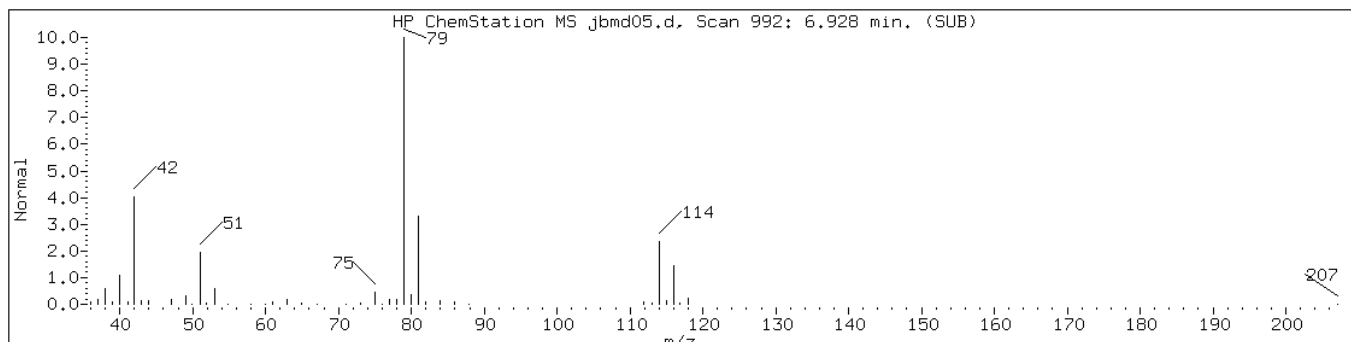
Instrument: J.i

Sample Info: 200-1636-C-1

Operator: JH2

Retention Time: 6.93

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	38	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.1	6275	37	C6H8S	112
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	C6H8	80



Data File: jbm05.d

Lab Sample ID: 200-1636-1

Client ID: ISCO-MW1

Sample Info: 200-1636-C-1

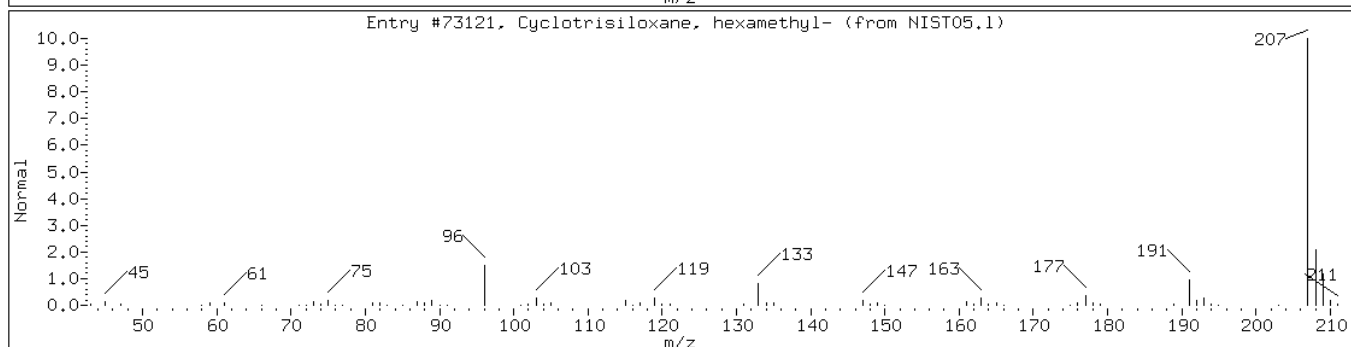
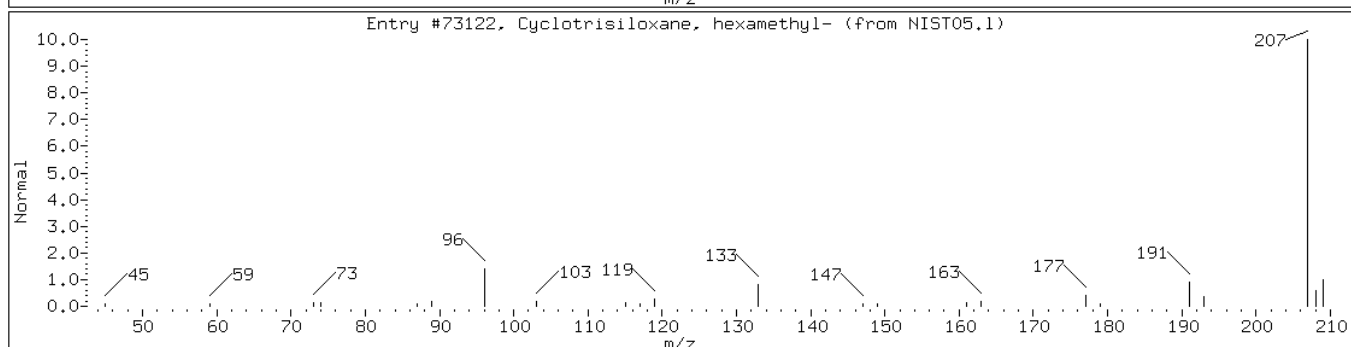
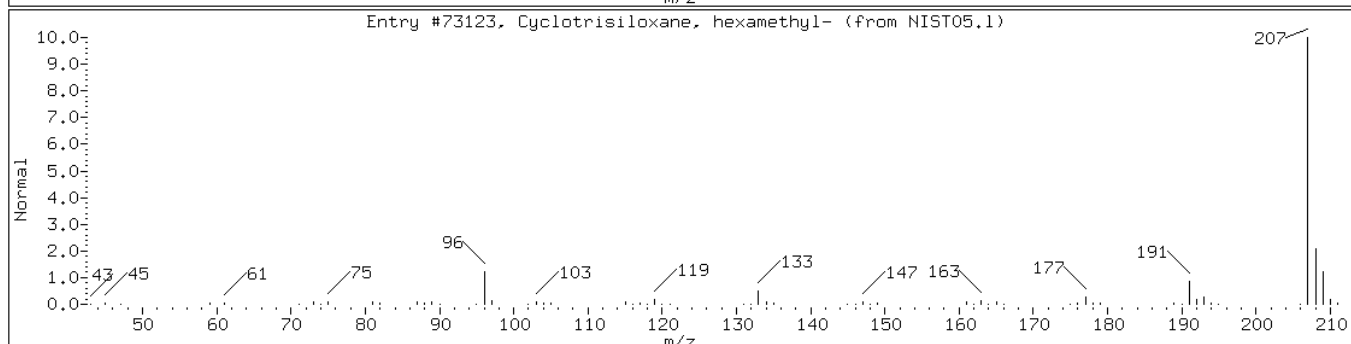
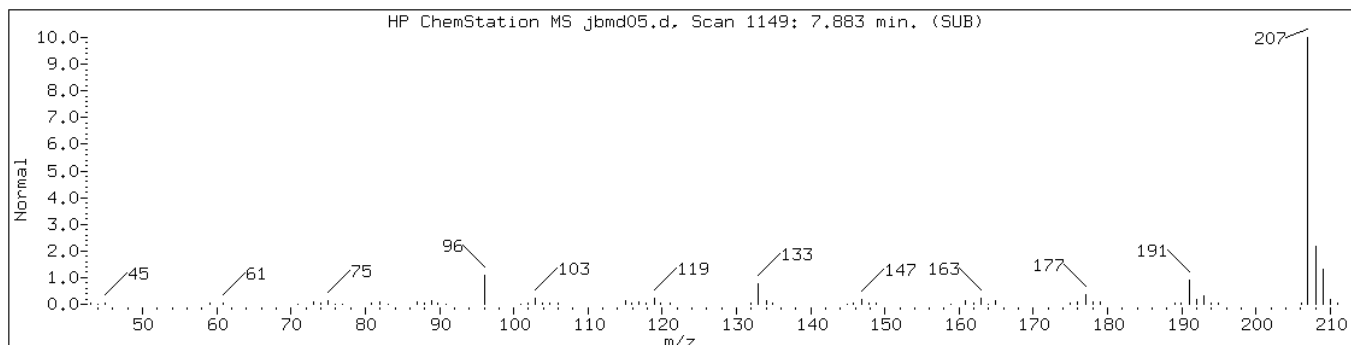
Date: 23-SEP-2010 16:58

Instrument: J.i

Operator: JH2

Retention Time: 7.88

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	91	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	80	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	49	C6H18O3Si3	222



Data File: jbm05.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 16:58

Client ID: ISCO-MW1

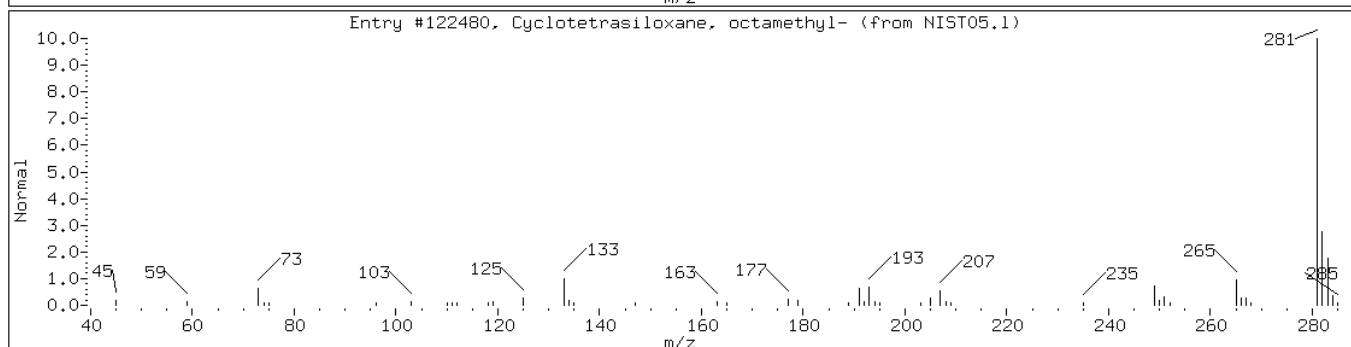
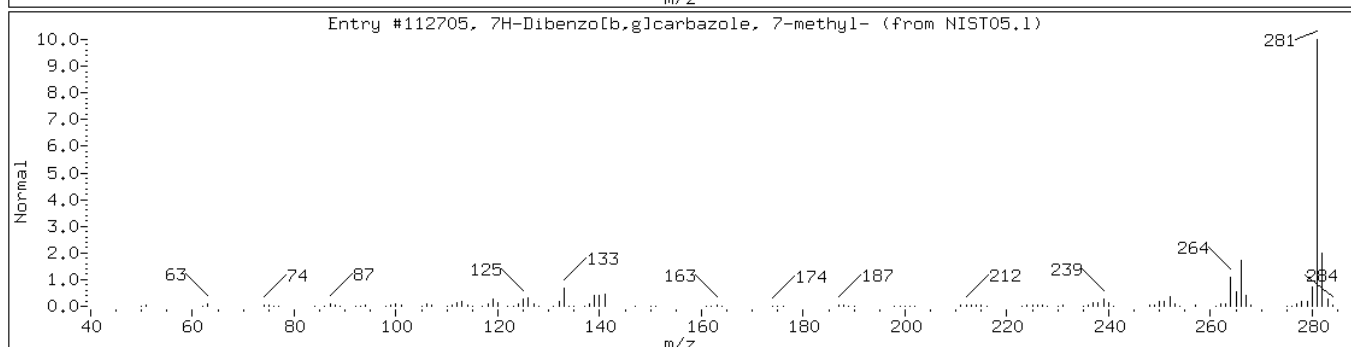
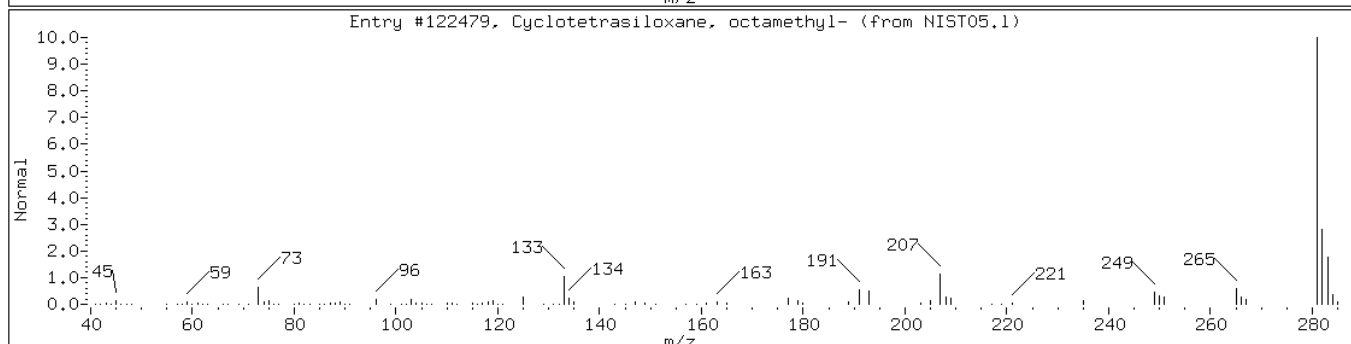
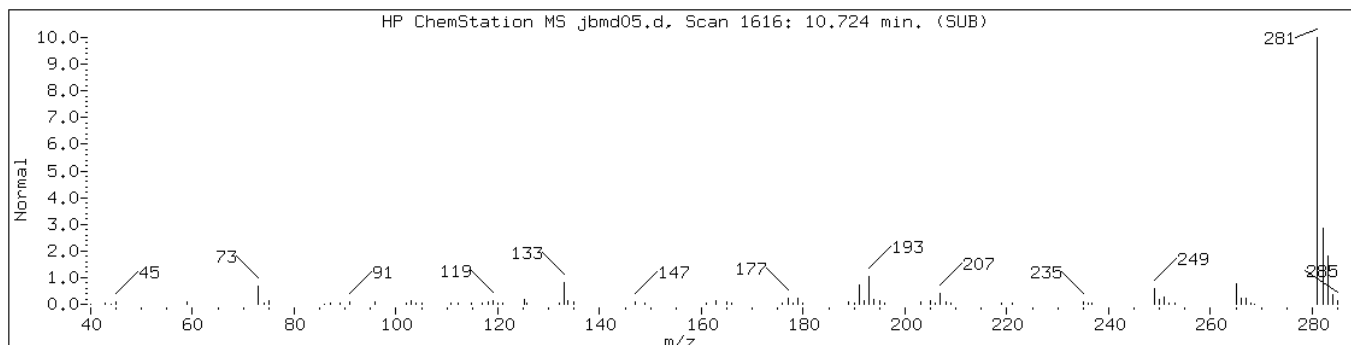
Instrument: J.i

Sample Info: 200-1636-C-1

Operator: JH2

Retention Time: 10.72

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	64	C ₈ H ₂₄ O ₄ Si ₄	296
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	NIST05.1	112705	59	C ₂₁ H ₁₅ N	281
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122480	49	C ₈ H ₂₄ O ₄ Si ₄	296



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-1636-1</u>
SDG No.: <u>200-1636-1</u>	
Client Sample ID: <u>ISCO-MW1 DL</u>	Lab Sample ID: <u>200-1636-1 DL</u>
Matrix: <u>Water</u>	Lab File ID: <u>jbmcl3.d</u>
Analysis Method: <u>SOM01.2/VOA_Tr</u>	Date Collected: <u>09/18/2010 11:15</u>
Sample wt/vol: <u>25 (mL)</u>	Date Analyzed: <u>09/23/2010 11:59</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>4.6</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.2 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Trace</u>
Analysis Batch No.: <u>6993</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	2.3	U	2.3	0.12
74-87-3	Chloromethane	2.3	U	2.3	0.45
75-01-4	Vinyl chloride	2.3	U	2.3	0.23
74-83-9	Bromomethane	2.3	U	2.3	0.23
75-00-3	Chloroethane	2.3	U	2.3	0.32
75-69-4	Trichlorofluoromethane	2.3	U	2.3	0.24
75-35-4	1,1-Dichloroethene	2.3	U	2.3	0.17
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.3	U	2.3	0.14
67-64-1	Acetone	12	J D B	23	4.3
75-15-0	Carbon disulfide	2.3	U	2.3	0.28
79-20-9	Methyl acetate	2.3	U	2.3	0.34
75-09-2	Methylene chloride	2.3	U	2.3	0.28
156-60-5	trans-1,2-Dichloroethene	2.3	U	2.3	0.083
1634-04-4	Methyl tert-butyl ether	1.7	J D	2.3	0.15
75-34-3	1,1-Dichloroethane	2.3	U	2.3	0.24
156-59-2	cis-1,2-Dichloroethene	0.51	J D	2.3	0.24
78-93-3	2-Butanone	23	U	23	2.8
74-97-5	Bromochloromethane	2.3	U	2.3	0.33
67-66-3	Chloroform	0.50	J D	2.3	0.22
71-55-6	1,1,1-Trichloroethane	2.3	U	2.3	0.13
110-82-7	Cyclohexane	2.3	U	2.3	0.18
56-23-5	Carbon tetrachloride	2.3	U	2.3	0.17
71-43-2	Benzene	2.3	U	2.3	0.14
107-06-2	1,2-Dichloroethane	2.3	U	2.3	0.26
79-01-6	Trichloroethene	70	D	2.3	0.25
108-87-2	Methylcyclohexane	2.3	U	2.3	0.23
78-87-5	1,2-Dichloropropane	2.3	U	2.3	0.24
75-27-4	Bromodichloromethane	2.3	U	2.3	0.20
10061-01-5	cis-1,3-Dichloropropene	2.3	U	2.3	0.17
108-10-1	4-Methyl-2-pentanone	23	U	23	1.7
108-88-3	Toluene	0.15	J D	2.3	0.14
10061-02-6	trans-1,3-Dichloropropene	2.3	U	2.3	0.14
79-00-5	1,1,2-Trichloroethane	2.3	U	2.3	0.34
127-18-4	Tetrachloroethene	0.86	J D	2.3	0.23
591-78-6	2-Hexanone	23	U	23	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: ISCO-MW1 DL Lab Sample ID: 200-1636-1 DL
 Matrix: Water Lab File ID: jbmcl3.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 11:15
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 11:59
 Soil Aliquot Vol: Dilution Factor: 4.6
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 6993 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	2.3	U	2.3	0.22
106-93-4	1,2-Dibromoethane	2.3	U	2.3	0.92
108-90-7	Chlorobenzene	2.3	U	2.3	0.18
100-41-4	Ethylbenzene	2.3	U	2.3	0.23
95-47-6	o-Xylene	2.3	U	2.3	0.19
179601-23-1	m,p-Xylene	2.3	U	2.3	0.15
100-42-5	Styrene	2.3	U	2.3	0.26
75-25-2	Bromoform	2.3	U	2.3	0.30
98-82-8	Isopropylbenzene	2.3	U	2.3	0.20
79-34-5	1,1,2,2-Tetrachloroethane	2.3	U	2.3	0.37
541-73-1	1,3-Dichlorobenzene	2.3	U	2.3	0.19
106-46-7	1,4-Dichlorobenzene	2.3	U	2.3	0.16
95-50-1	1,2-Dichlorobenzene	2.3	U	2.3	0.23
96-12-8	1,2-Dibromo-3-chloropropane	2.3	U	2.3	1.2
120-82-1	1,2,4-Trichlorobenzene	2.3	U	2.3	0.22
87-61-6	1,2,3-Trichlorobenzene	2.3	U	2.3	0.13

CAS NO.	SURROGATE	%REC	LIMITS	Q
6745-35-3	Vinyl chloride-d3	98	65-131	
19199-91-8	Chloroethane-d5	101	71-131	
22280-73-5	1,1-Dichloroethene-d2	76	55-104	
24313-50-6	2-Butanone-d5	102	49-155	
865-49-6	Chloroform-d	100	78-121	
17060-07-0	1,2-Dichloroethane-d4	106	78-129	
1076-43-3	Benzene-d6	105	77-124	
93952-08-0	1,2-Dichloropropane-d6	91	79-124	
2037-26-5	Toluene-d8	100	77-121	
93951-86-1	trans-1,3-Dichloropropene-d4	102	73-121	
4840-82-8	2-Hexanone-d5	99	28-135	
33685-54-0	1,1,2,2-Tetrachloroethane-d2	103	73-125	
2199-69-1	1,2-Dichlorobenzene-d4	105	80-131	

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: ISCO-MW1 DL Lab Sample ID: 200-1636-1 DL
Matrix: Water Lab File ID: jbmcl3.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 11:15
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 11:59
Soil Aliquot Vol: _____ Dilution Factor: 4.6
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 6993 Units: ug/L
Number TICs Found: 4 TIC Result Total: 23

CAS NO.	COMPOUND NAME	RT	RESULT	Q
420-56-4	Trimethylsilyl fluoride	1.68	2.4	D J N
	Unknown	6.93	12	B X D J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	4.8	B D J N
	Unknown siloxane derivative	10.72	3.8	B D J

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: ISCO-MW1 DL Lab Sample ID: 200-1636-1 DL
Matrix: Water Lab File ID: jbmcl3.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 11:15
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 11:59
Soil Aliquot Vol: _____ Dilution Factor: 4.6
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 6993 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	<i>Total Alkanes</i>			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-1
Client Smp ID: ISCO-MW1
Inj Date : 23-SEP-2010 11:59
Operator : JH2
Smp Info : 200-1636-B-1
Misc Info : 4.6,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmcsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 13:23 cmp
Cal Date : 21-SEP-2010 17:24
Als bottle: 27
Dil Factor: 4.60000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	4.60000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
=====	====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85					Compound Not Detected.		
2 Chloromethane	50					Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65		1.563	1.562	(0.280)	250903	122.585	4.9
4 Vinyl chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chloroethane-d5	69		1.861	1.861	(0.333)	210773	125.671	5.0
7 Chloroethane	64					Compound Not Detected.		
8 Trichlorofluoromethane	101					Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63		2.475	2.481	(0.443)	308856	95.3455	3.8
10 1,1-Dichloroethene	96					Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.		
12 Acetone	43		2.536	2.536	(0.454)	4953	62.8421	12
13 Carbon disulfide	76					Compound Not Detected.		
14 Methyl acetate	43					Compound Not Detected.		
15 Methylene chloride	84					Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96		Compound Not Detected.				
17 Methyl tert-butyl ether	73	3.156	3.156 (0.565)		18025	9.06713	1.7
18 1,1-Dichloroethane	63		Compound Not Detected.				
\$ 19 2-Butanone-d5	46	4.148	4.148 (0.742)		154501	1275.62	51
20 cis-1,2-Dichloroethene	96	4.197	4.191 (0.751)		4905	2.78141	0.51
21 2-Butanone	43		Compound Not Detected.				
22 Bromochloromethane	128		Compound Not Detected.				
\$ 23 Chloroform-d	84	4.525	4.525 (0.810)		366368	124.836	5.0(Q)
24 Chloroform	83	4.543	4.543 (0.813)		7901	2.69518	0.50(Q)
25 1,1,1-Trichloroethane	97		Compound Not Detected.				
26 Cyclohexane	56		Compound Not Detected.				
27 Carbon tetrachloride	117		Compound Not Detected.				
\$ 28 1,2-Dichloroethane-d4	65	5.097	5.097 (0.912)		124618	132.832	5.3
\$ 29 Benzene-d6	84	5.109	5.109 (0.569)		850372	131.305	5.3
30 Benzene	78		Compound Not Detected.				
31 1,2-Dichloroethane	62		Compound Not Detected.				
* 32 1,4-Difluorobenzene	114	5.590	5.590 (1.000)		764600	125.000	
33 Trichloroethene	95	5.882	5.882 (0.656)		731456	380.122	70
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.034 (0.672)		194922	114.123	4.6
35 Methylcyclohexane	55		Compound Not Detected.				
36 1,2-Dichloropropane	63		Compound Not Detected.				
37 Bromodichloromethane	83		Compound Not Detected.				
38 cis-1,3-Dichloropropene	75		Compound Not Detected.				
39 4-Methyl-2-pentanone	43		Compound Not Detected.				
\$ 40 Toluene-d8	98	7.275	7.275 (0.811)		799424	125.580	5.0
41 Toluene	91	7.354	7.354 (0.820)		6116	0.80073	0.15
\$ 42 trans-1,3-Dichloropropene-d4	79	7.591	7.591 (0.846)		150645	127.691	5.1
43 trans-1,3-Dichloropropene	75		Compound Not Detected.				
44 1,1,2-Trichloroethane	97		Compound Not Detected.				
45 Tetrachloroethene	164	7.987	7.987 (0.890)		8091	4.69514	0.86
\$ 46 2-Hexanone-d5	63	8.090	8.090 (0.902)		138537	1239.34	50
47 2-Hexanone	43		Compound Not Detected.				
48 Dibromochloromethane	129		Compound Not Detected.				
49 1,2-Dibromoethane	107		Compound Not Detected.				
* 50 Chlorobenzene-d5	117	8.972	8.972 (1.000)		574261	125.000	
51 Chlorobenzene	112		Compound Not Detected.				
52 Ethylbenzene	91		Compound Not Detected.				
53 m,p-Xylene	106		Compound Not Detected.				
54 Styrene	104		Compound Not Detected.				
55 o-Xylene	106		Compound Not Detected.				
56 Bromoform	172		Compound Not Detected.				
57 Isopropylbenzene	105		Compound Not Detected.				
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.566	10.560 (1.178)		68610	128.720	5.1
59 1,1,2,2-Tetrachloroethane	83		Compound Not Detected.				
60 1,3-Dichlorobenzene	146		Compound Not Detected.				
* 61 1,4-Dichlorobenzene-d4	152	11.801	11.801 (1.000)		244933	125.000	
62 1,4-Dichlorobenzene	146		Compound Not Detected.				

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.038)	176799	130.827	5.2
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-1
Client Smp ID: ISCO-MW1
Inj Date : 23-SEP-2010 11:59
Operator : JH2
Smp Info : 200-1636-B-1
Misc Info : 4.6,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmcsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 13:23 cmp
Cal Date : 21-SEP-2010 17:24
Als bottle: 27
Dil Factor: 4.60000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	4.60000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

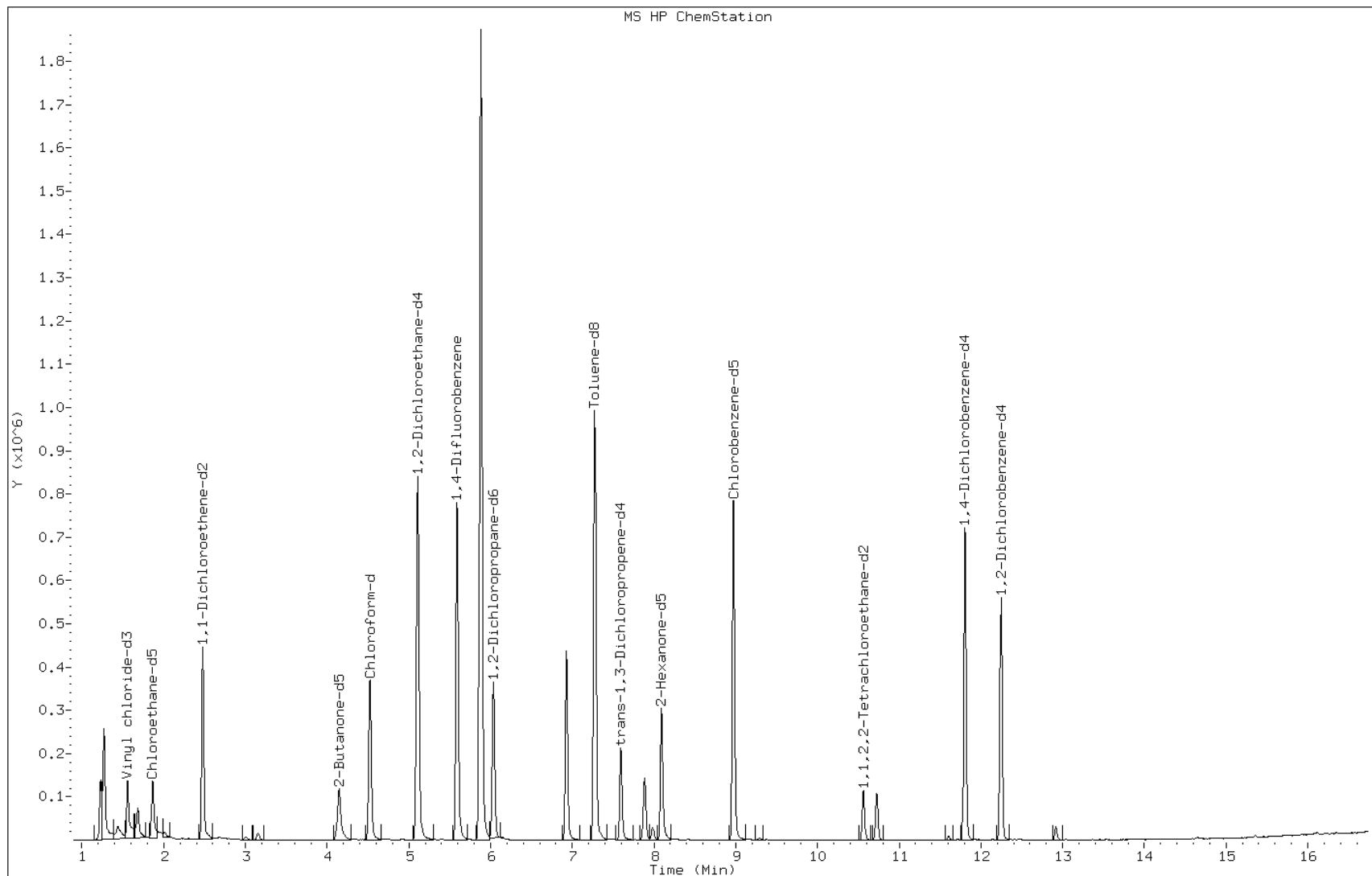
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.590	1692308	125.000
* 50 Chlorobenzene-d5	8.972	1658423	125.000
* 61 1,4-Dichlorobenzene-d4	11.801	1421330	125.000

CONCENTRATIONS					QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #	
=====	=====	=====	=====	=====	=====	=====	=====	
Trimethylsilyl fluoride					CAS #: 420-56-4			
1.684	176460	13.0339955	2.4	87	NIST05.1	2373	32	

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
6.928	906903	66.9871013	12	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.883	343033	25.8553518	4.8	91	NIST05.l	73121	50
Unknown siloxane derivative					CAS #:		
10.724	235726	20.7311424	3.8	0		0	61

Data File: jbmcl3.d
Client ID: ISCO-MW1
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 200-1636-B-1
Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 11:59
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



Data File: jbmcl3.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 11:59

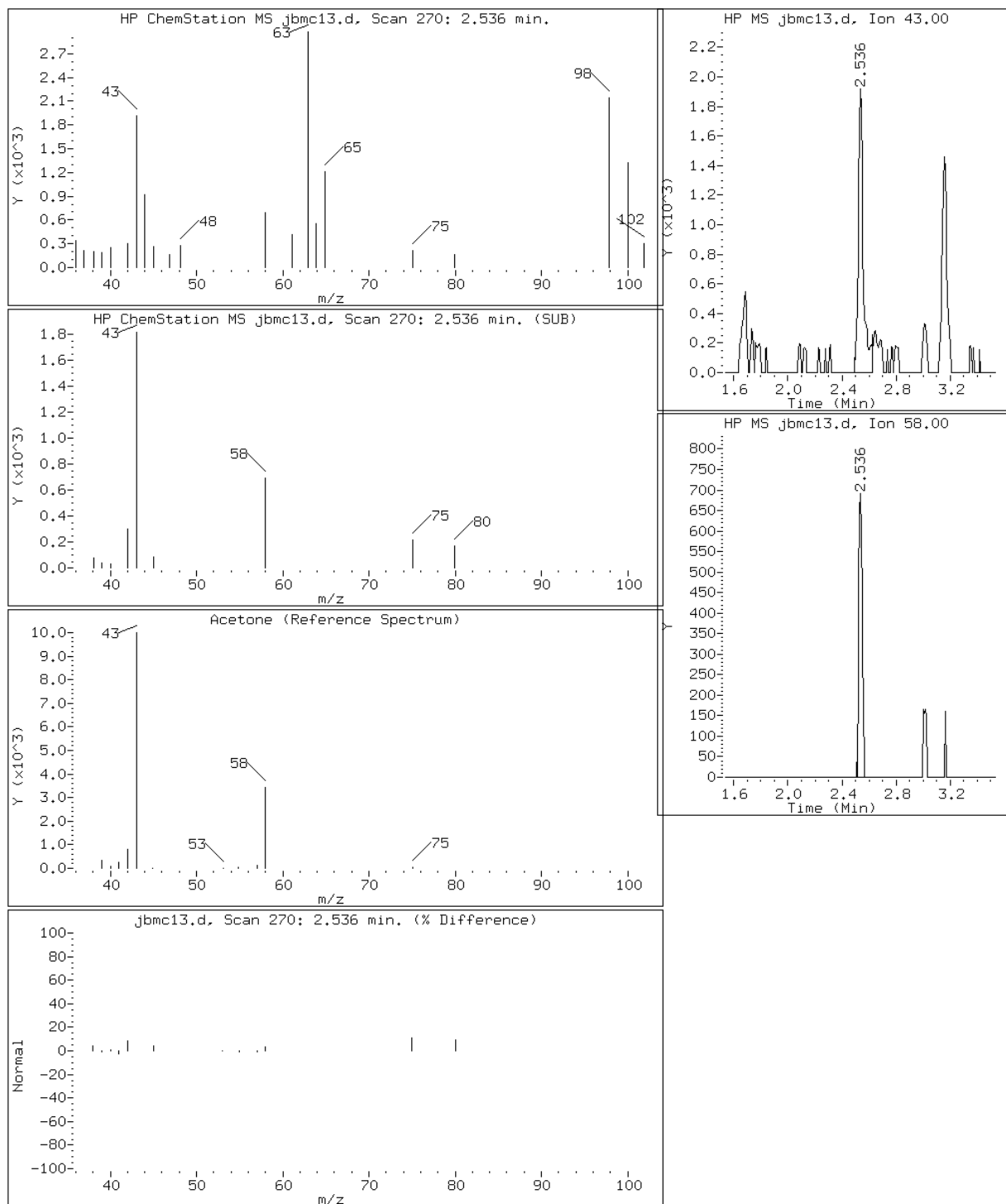
Client ID: ISCO-MW1

Instrument: J.i

Sample Info: 200-1636-B-1

Operator: JH2

12 Acetone



Data File: jbmcl3.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 11:59

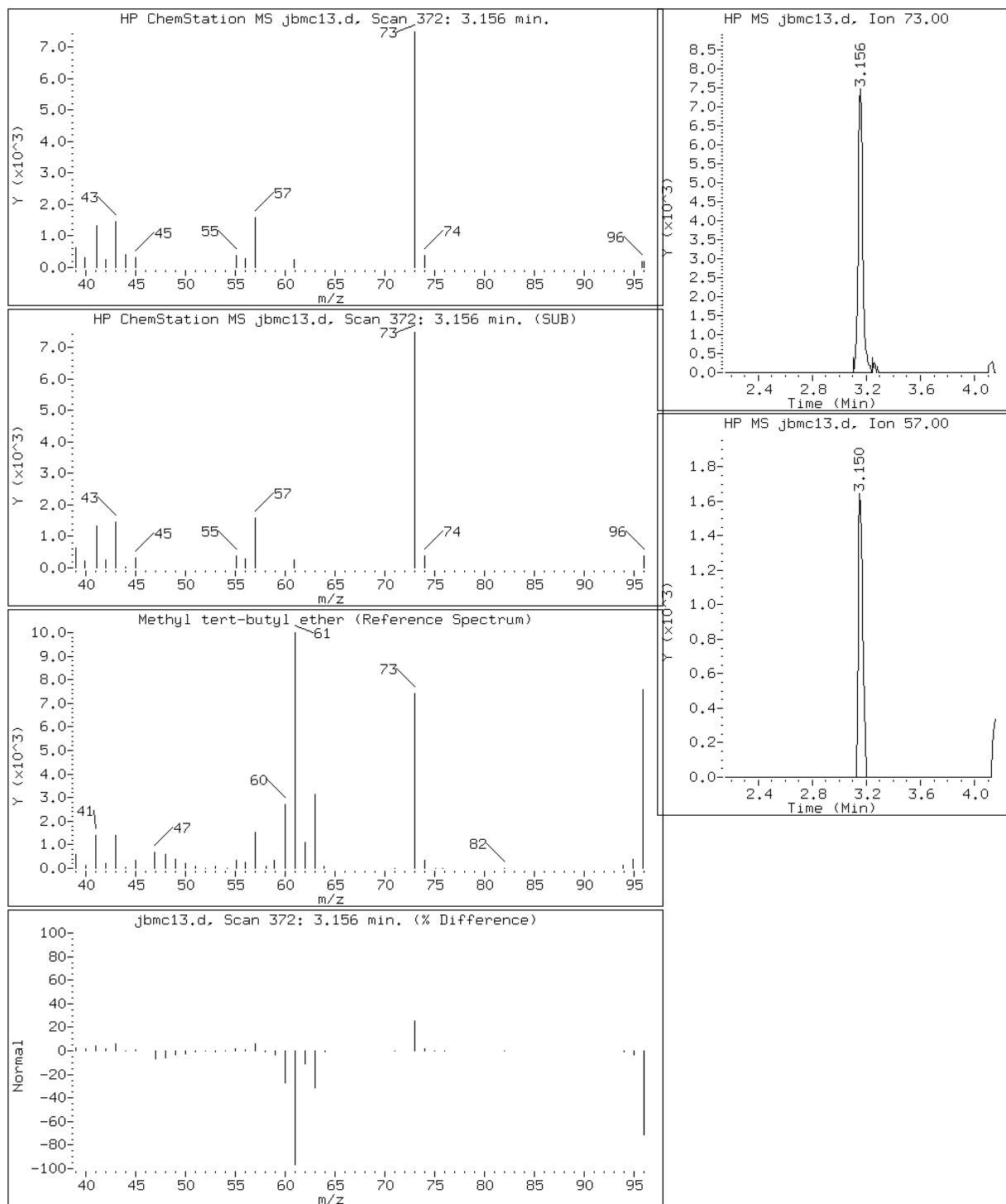
Client ID: ISCO-MW1

Instrument: J.i

Sample Info: 200-1636-B-1

Operator: JH2

17 Methyl tert-butyl ether



Data File: jbmcl3.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 11:59

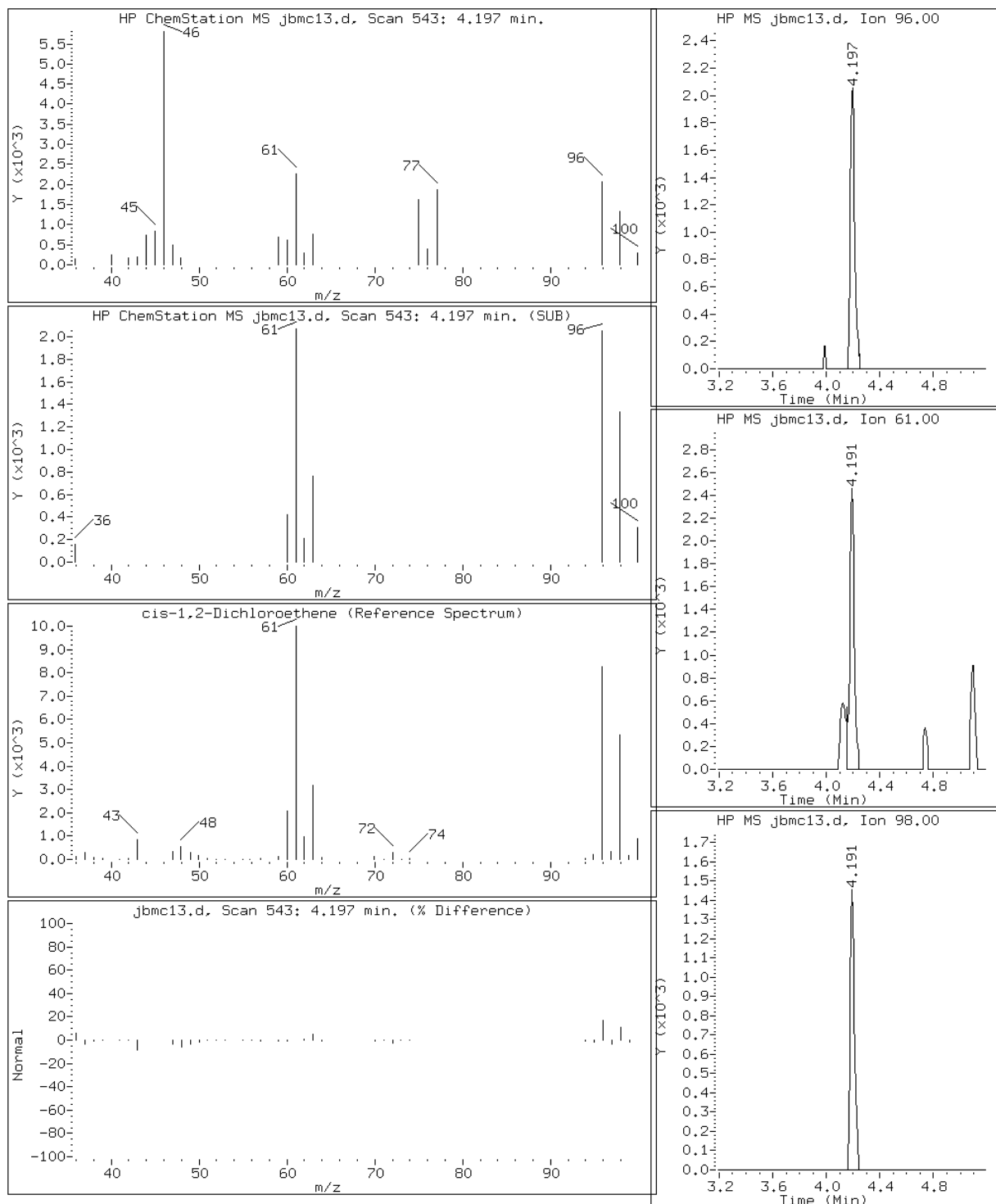
Client ID: ISCO-MW1

Instrument: J.i

Sample Info: 200-1636-B-1

Operator: JH2

20 cis-1,2-Dichloroethene



Data File: jbmcl3.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 11:59

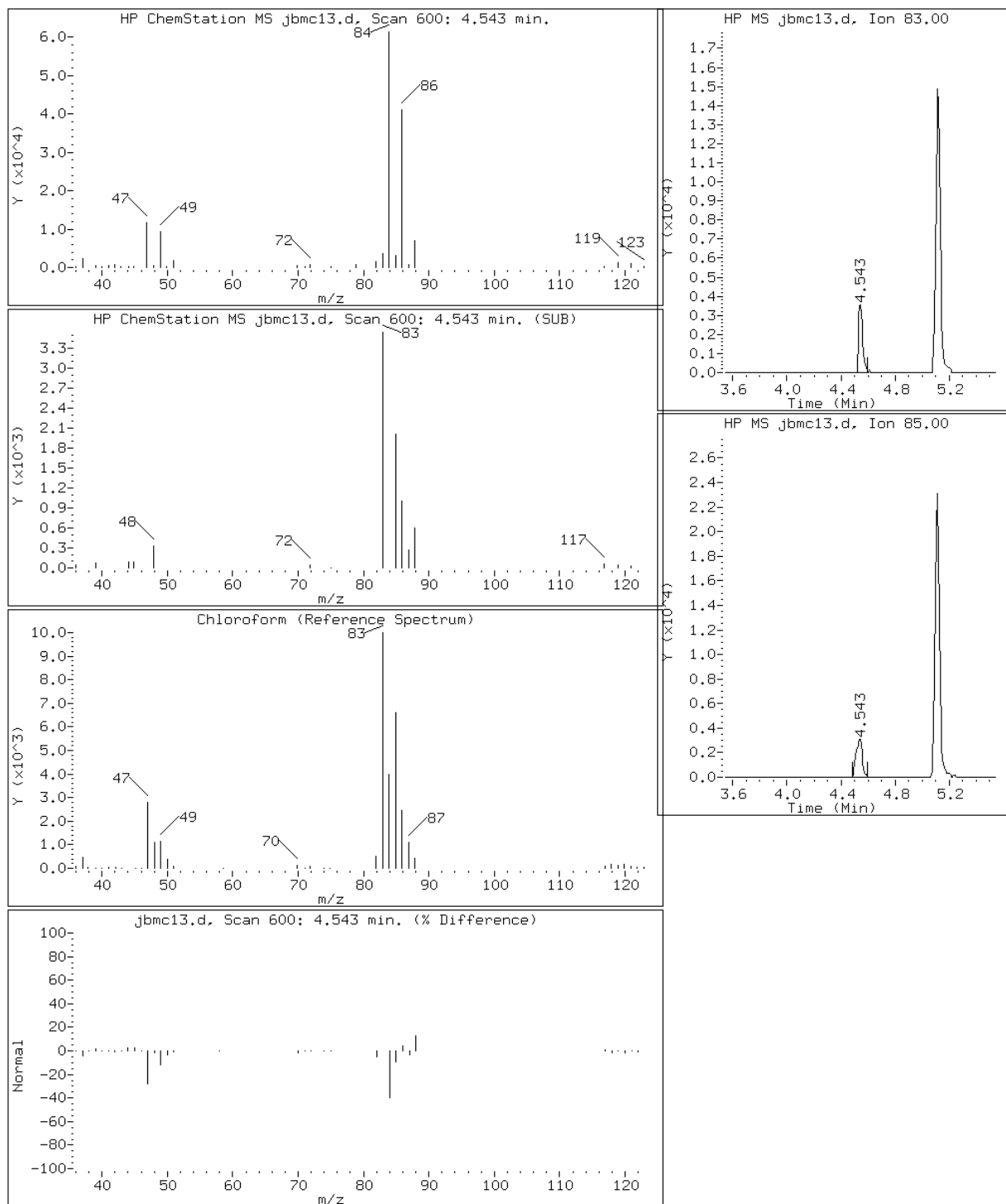
Client ID: ISCO-MW1

Instrument: J.i

Sample Info: 200-1636-B-1

Operator: JH2

24 Chloroform



Data File: jbmcl3.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 11:59

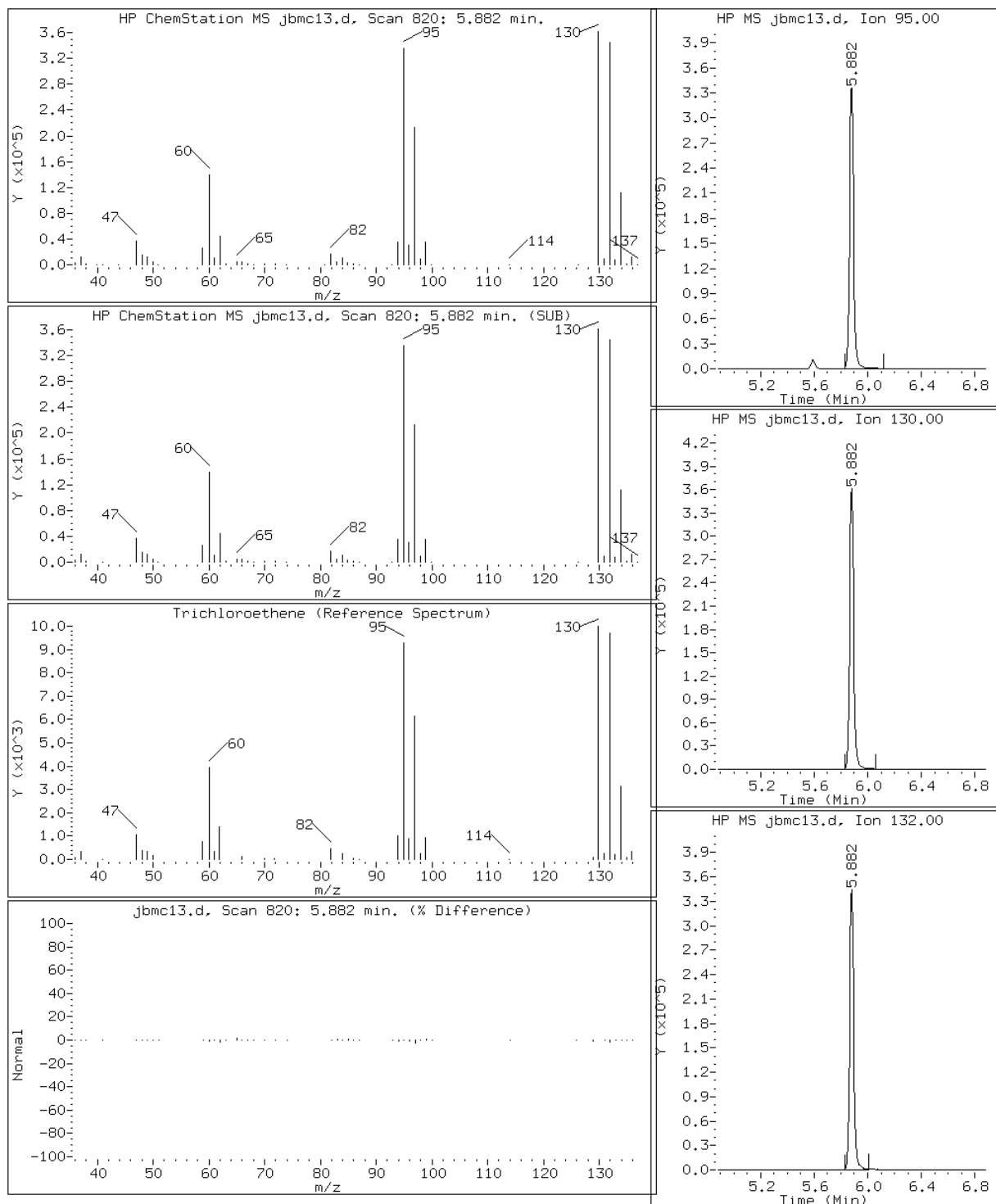
Client ID: ISCO-MW1

Instrument: J.i

Sample Info: 200-1636-B-1

Operator: JH2

33 Trichloroethene



Data File: jbmcl3.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 11:59

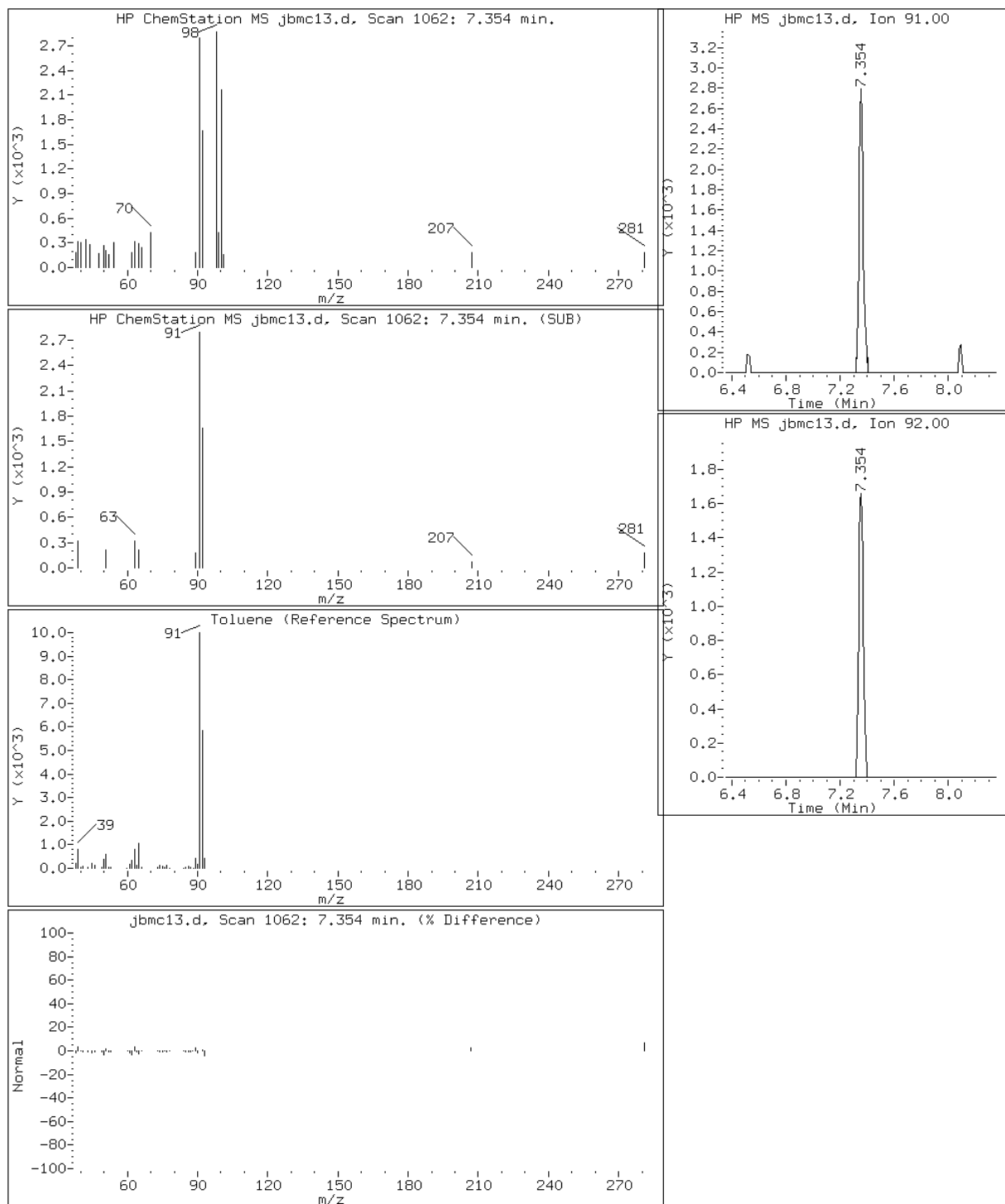
Client ID: ISCO-MW1

Instrument: J.i

Sample Info: 200-1636-B-1

Operator: JH2

41 Toluene



Data File: jbm13.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 11:59

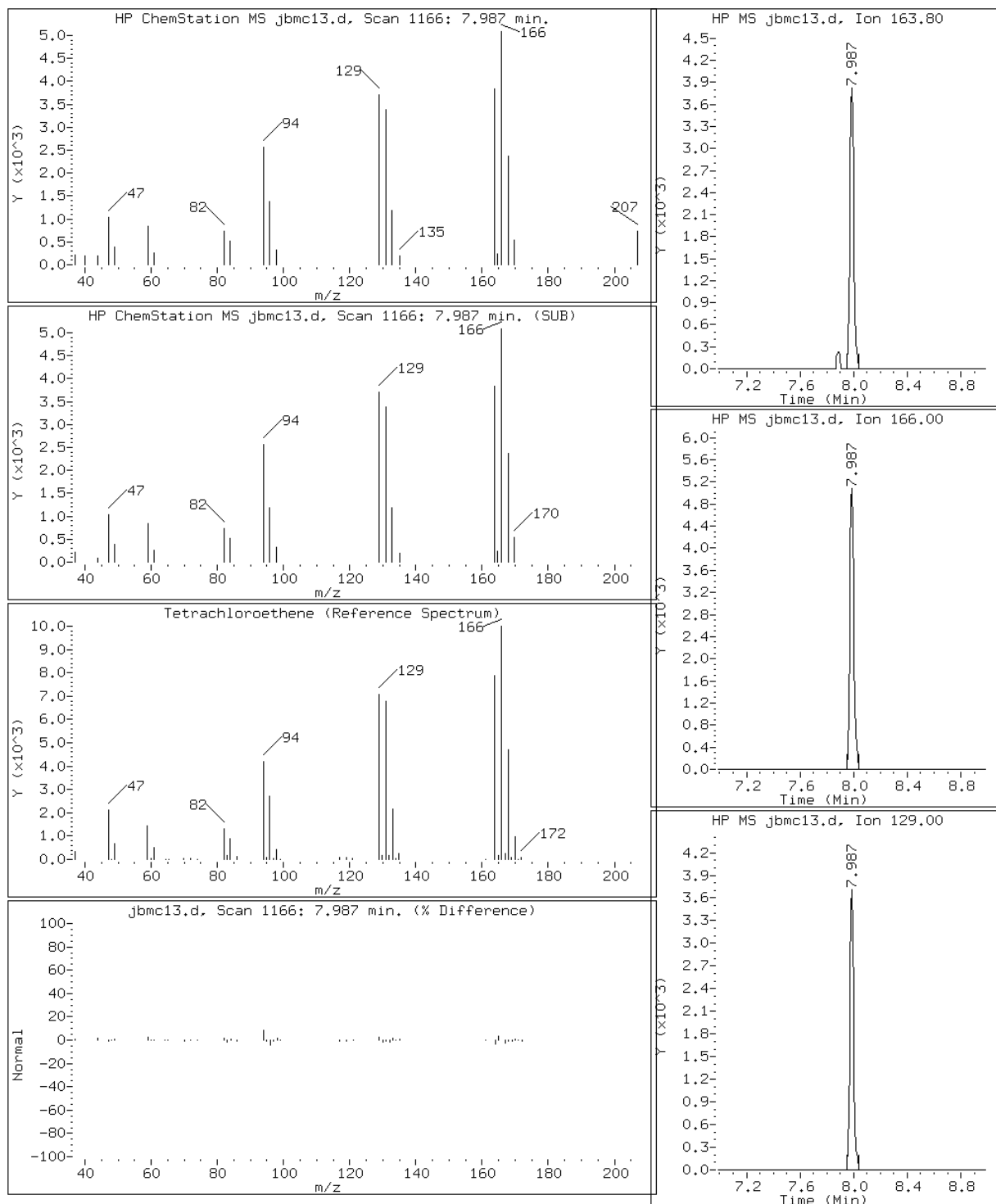
Client ID: ISCO-MW1

Instrument: J.i

Sample Info: 200-1636-B-1

Operator: JH2

45 Tetrachloroethene



Data File: jbmcl3.d

Lab Sample ID: 200-1636-1

Client ID: ISCO-MW1

Sample Info: 200-1636-B-1

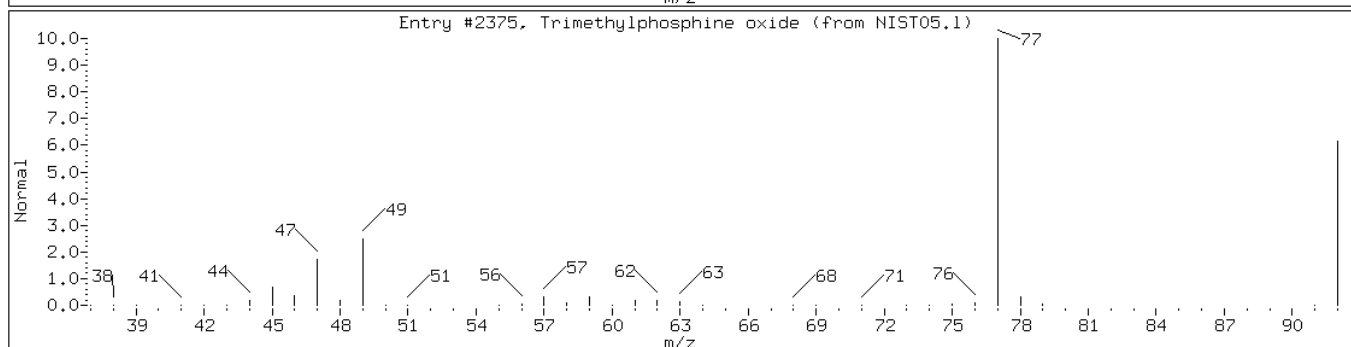
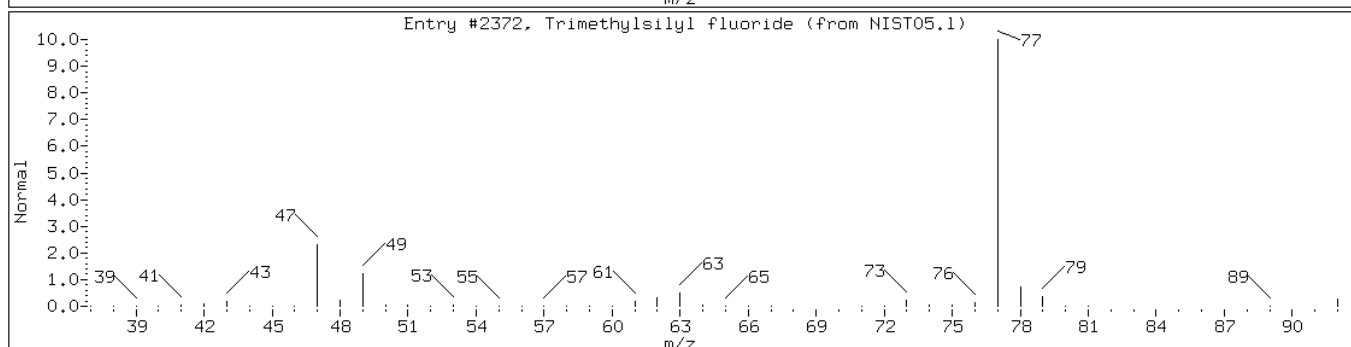
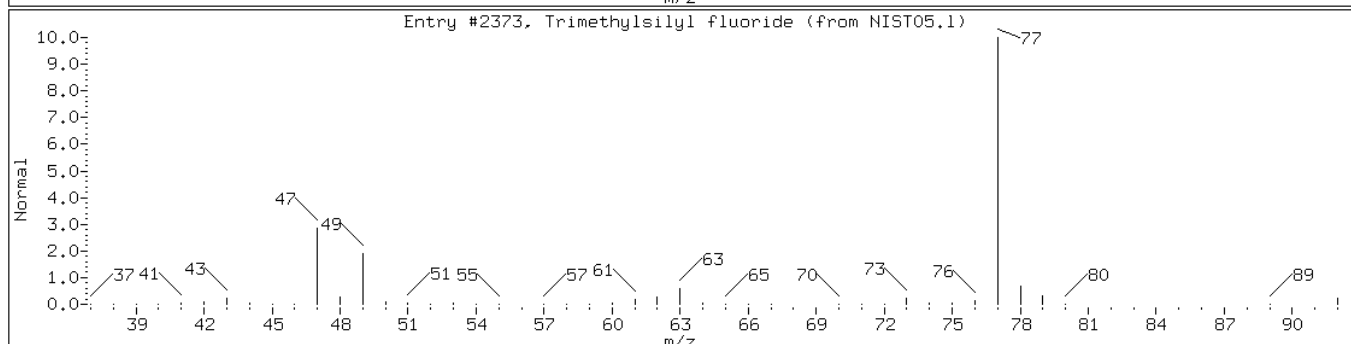
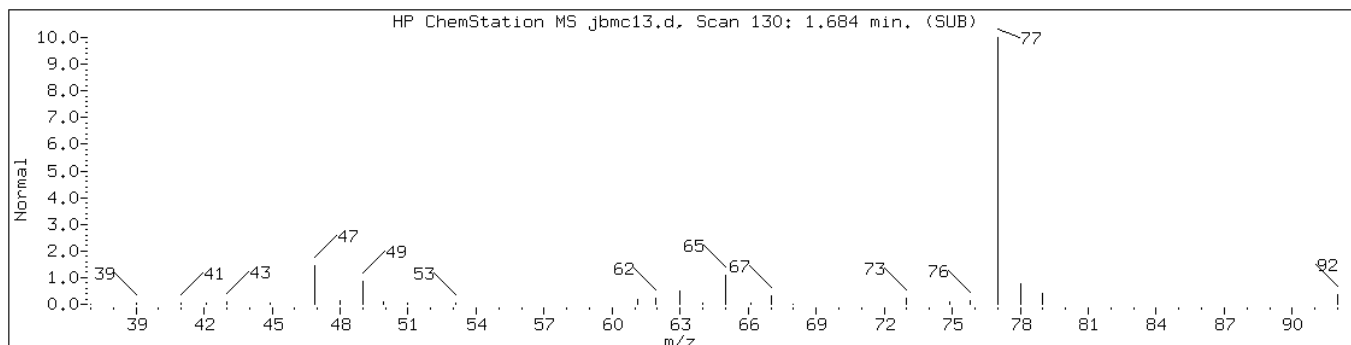
Date: 23-SEP-2010 11:59

Instrument: J.i

Operator: JH2

Retention Time: 1.68

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	87	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	83	C3H9FSi	92
Trimethylphosphine oxide	676-96-0	NIST05.1	2375	38	C3H9OP	92



Data File: jbmcl3.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 11:59

Client ID: ISCO-MW1

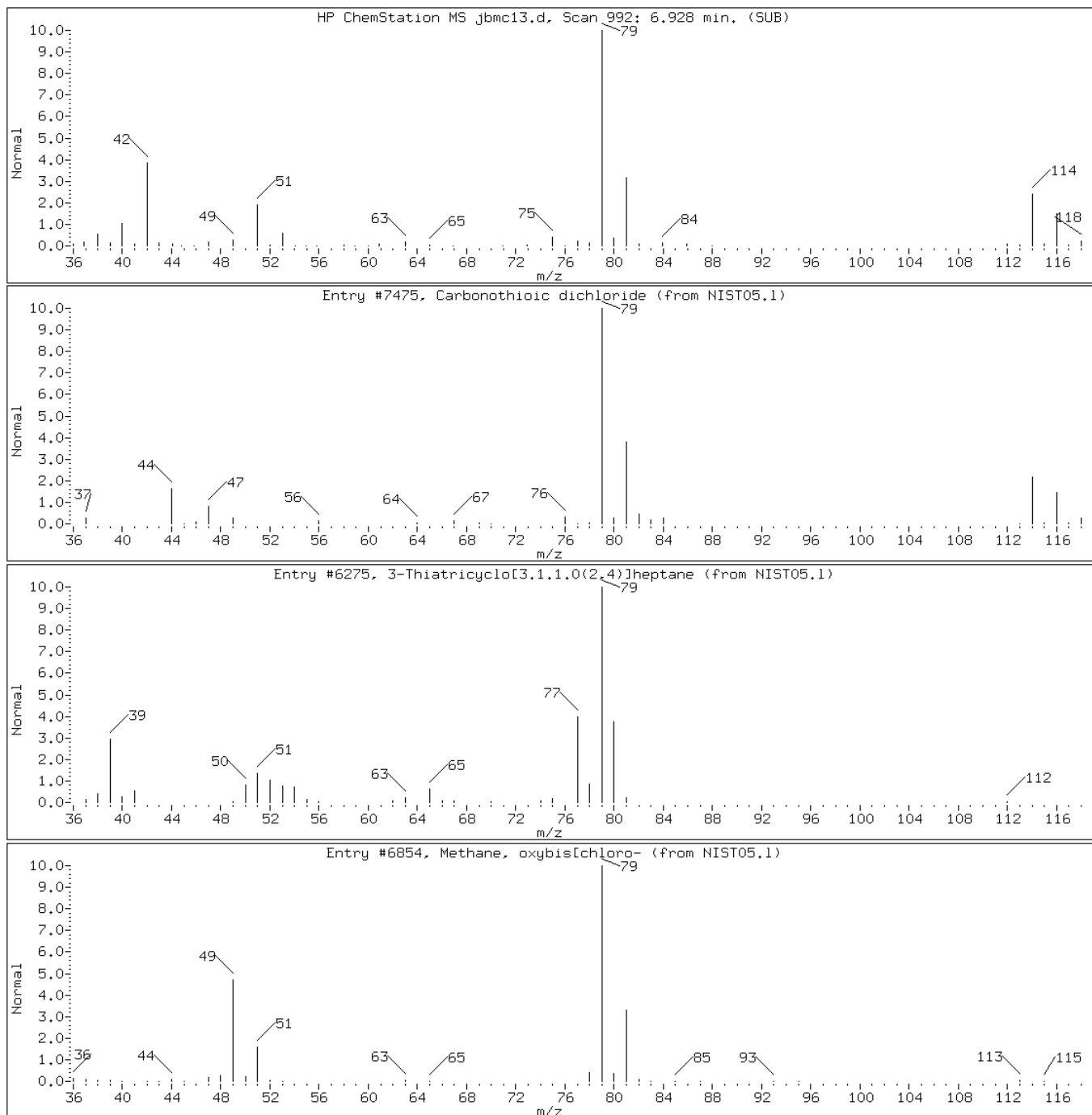
Instrument: J.i

Sample Info: 200-1636-B-1

Operator: JH2

Retention Time: 6.93

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.1	6275	32	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114



Data File: jbmcl3.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 11:59

Client ID: ISCO-MW1

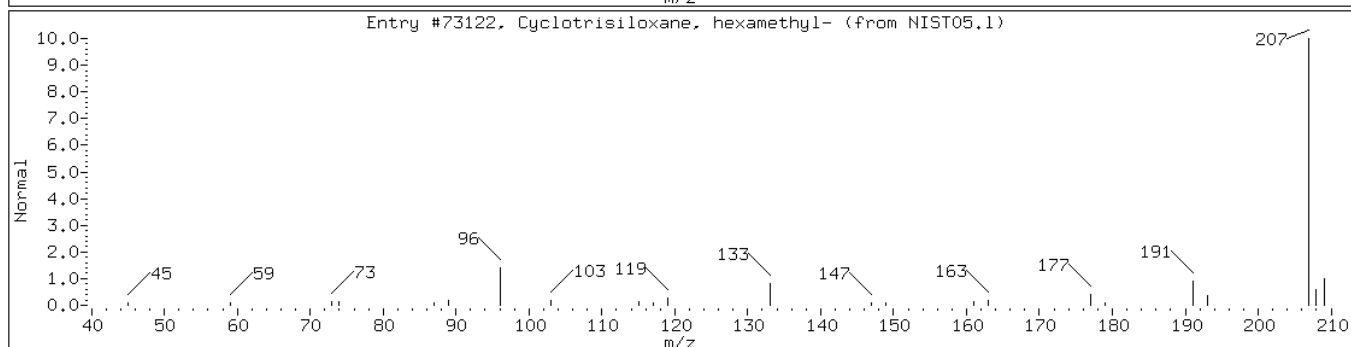
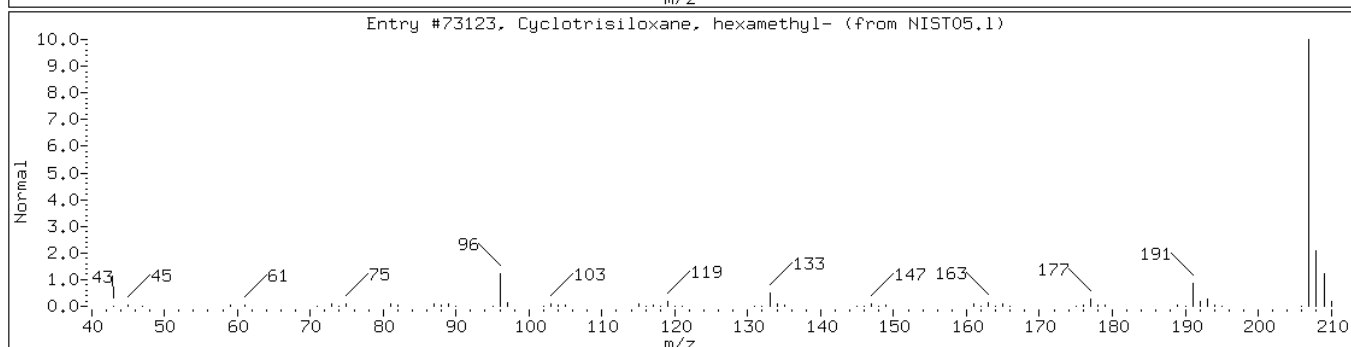
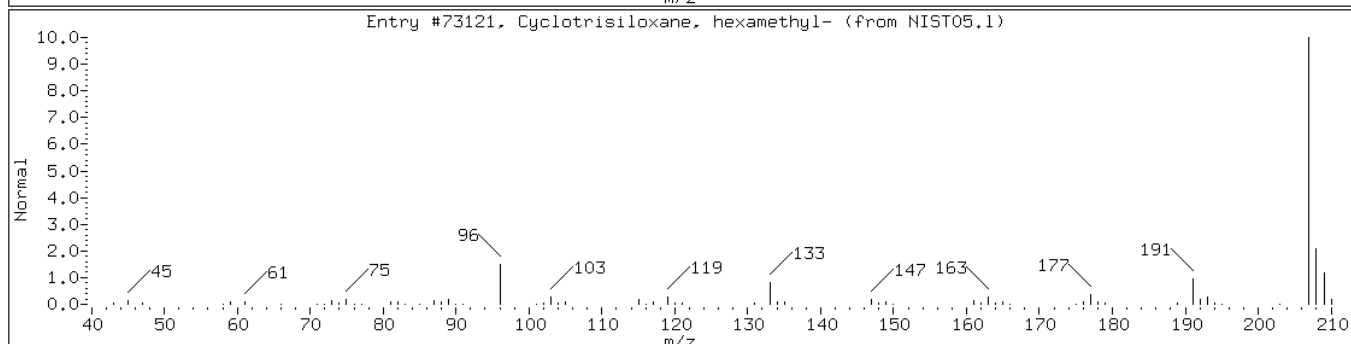
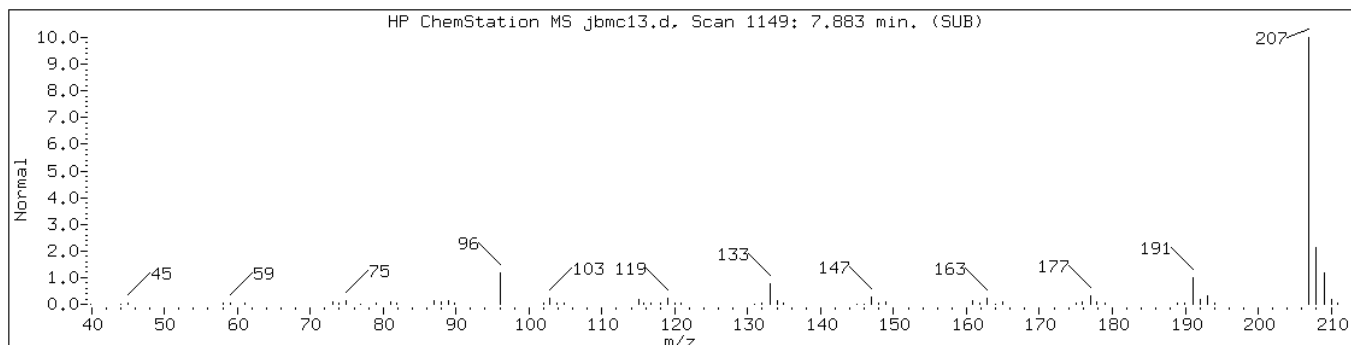
Instrument: J.i

Sample Info: 200-1636-B-1

Operator: JH2

Retention Time: 7.88

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	91	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	91	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	80	C6H18O3Si3	222



Data File: jbmcl3.d

Lab Sample ID: 200-1636-1

Date: 23-SEP-2010 11:59

Client ID: ISCO-MW1

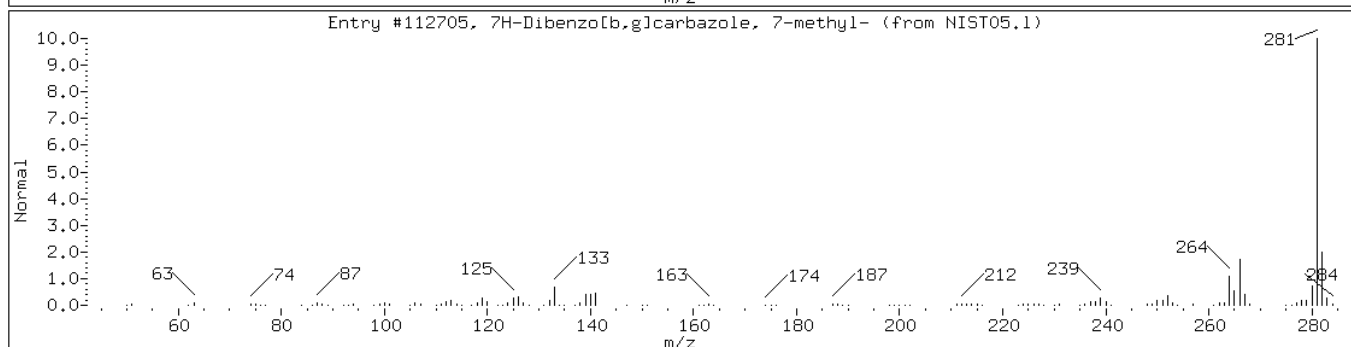
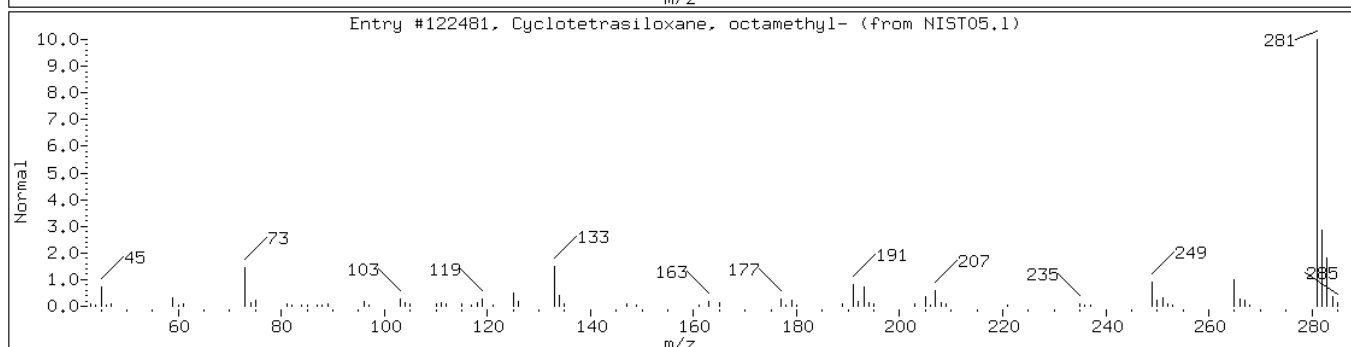
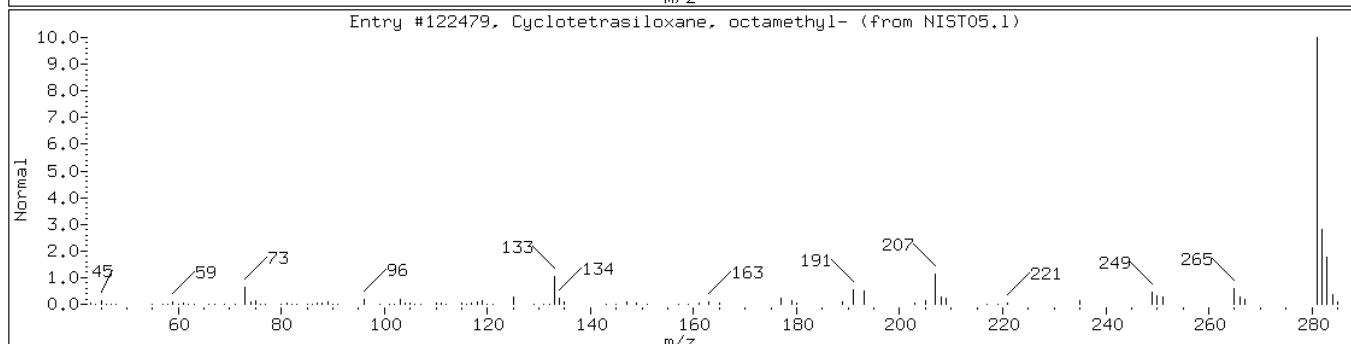
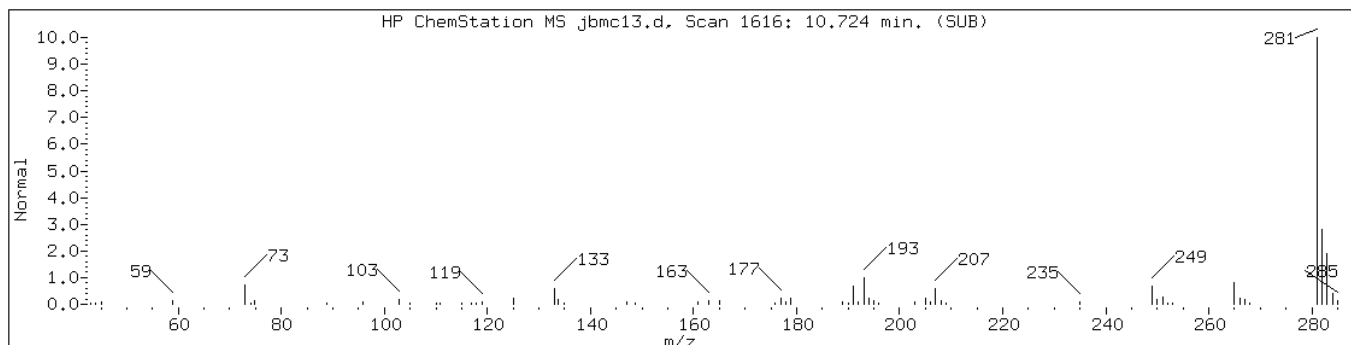
Instrument: J.i

Sample Info: 200-1636-B-1

Operator: JH2

Retention Time: 10.72

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	90	C ₈ H ₂₄ O ₄ Si ₄	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122481	87	C ₈ H ₂₄ O ₄ Si ₄	296
7H-Dibenzo[b,g]carbazole, 7-methyl	3557-49-1	NIST05.1	112705	53	C ₂₁ H ₁₅ N	281



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: ISCO-MW2 Lab Sample ID: 200-1636-2
 Matrix: Water Lab File ID: jbmcl4.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 12:50
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 12:27
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 6993 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.025
74-87-3	Chloromethane	0.50	U	0.50	0.097
75-01-4	Vinyl chloride	0.50	U	0.50	0.049
74-83-9	Bromomethane	0.50	U	0.50	0.050
75-00-3	Chloroethane	0.50	U	0.50	0.069
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.052
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.038
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.030
67-64-1	Acetone	10	B	5.0	0.93
75-15-0	Carbon disulfide	1.1		0.50	0.060
79-20-9	Methyl acetate	0.50	U	0.50	0.075
75-09-2	Methylene chloride	0.50	U	0.50	0.060
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.018
1634-04-4	Methyl tert-butyl ether	1.1		0.50	0.032
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.053
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.052
78-93-3	2-Butanone	5.0	U	5.0	0.61
74-97-5	Bromochloromethane	0.50	U	0.50	0.072
67-66-3	Chloroform	0.45	J	0.50	0.047
71-55-6	1,1,1-Trichloroethane	0.11	J	0.50	0.028
110-82-7	Cyclohexane	0.50	U	0.50	0.040
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.038
71-43-2	Benzene	0.50	U	0.50	0.030
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.057
79-01-6	Trichloroethene	0.50	U	0.50	0.054
108-87-2	Methylcyclohexane	0.50	U	0.50	0.049
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.053
75-27-4	Bromodichloromethane	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.036
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.36
108-88-3	Toluene	0.050	J	0.50	0.031
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.031
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.073
127-18-4	Tetrachloroethene	1.5		0.50	0.051
591-78-6	2-Hexanone	5.0	U	5.0	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: ISCO-MW2 Lab Sample ID: 200-1636-2
 Matrix: Water Lab File ID: jbmcl4.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 12:50
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 12:27
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 6993 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.50	U	0.50	0.047
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.20
108-90-7	Chlorobenzene	0.50	U	0.50	0.039
100-41-4	Ethylbenzene	0.50	U	0.50	0.050
95-47-6	o-Xylene	0.50	U	0.50	0.041
179601-23-1	m,p-Xylene	0.50	U	0.50	0.033
100-42-5	Styrene	0.50	U	0.50	0.057
75-25-2	Bromoform	0.50	U	0.50	0.066
98-82-8	Isopropylbenzene	0.50	U	0.50	0.044
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.080
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.042
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.035
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.051
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.25
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.047
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.029

CAS NO.	SURROGATE	%REC	LIMITS	Q
6745-35-3	Vinyl chloride-d3	0	65-131	*
19199-91-8	Chloroethane-d5	100	71-131	
22280-73-5	1,1-Dichloroethene-d2	31	55-104	*
24313-50-6	2-Butanone-d5	107	49-155	
865-49-6	Chloroform-d	100	78-121	
17060-07-0	1,2-Dichloroethane-d4	106	78-129	
1076-43-3	Benzene-d6	106	77-124	
93952-08-0	1,2-Dichloropropane-d6	94	79-124	
2037-26-5	Toluene-d8	101	77-121	
93951-86-1	trans-1,3-Dichloropropene-d4	0	73-121	*
4840-82-8	2-Hexanone-d5	103	28-135	
33685-54-0	1,1,2,2-Tetrachloroethane-d2	104	73-125	
2199-69-1	1,2-Dichlorobenzene-d4	106	80-131	

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: ISCO-MW2 Lab Sample ID: 200-1636-2
Matrix: Water Lab File ID: jbmcl4.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 12:50
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 12:27
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 6993 Units: ug/L
Number TICs Found: 3 TIC Result Total: 2.08

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	1.43	0.74	J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.89	0.66	B J N
124-19-6	Nonanal	13.04	0.68	J N

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: ISCO-MW2 Lab Sample ID: 200-1636-2
Matrix: Water Lab File ID: jbmcl4.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 12:50
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 12:27
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 6993 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-2
Client Smp ID: ISCO-MW2
Inj Date : 23-SEP-2010 12:27
Operator : JH2
Smp Info : 200-1636-B-2
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmcsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 13:23 cmp
Cal Date : 21-SEP-2010 17:24
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT	SIG						CONCENTRATIONS	
			RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
	MASS							(ng)	(ug/L)
=====	====		==	=====	=====	=====		=====	=====
1 Dichlorodifluoromethane	85					Compound Not Detected.			
2 Chloromethane	50					Compound Not Detected.			
\$ 3 Vinyl chloride-d3	65					Compound Not Detected.			
4 Vinyl chloride	62					Compound Not Detected.			
5 Bromomethane	94					Compound Not Detected.			
\$ 6 Chloroethane-d5	69		1.861	1.861	(0.333)	210078	124.908		5.0
7 Chloroethane	64					Compound Not Detected.			
8 Trichlorofluoromethane	101					Compound Not Detected.			
\$ 9 1,1-Dichloroethene-d2	63		2.475	2.481	(0.443)	126897	39.0648		1.6(R)
10 1,1-Dichloroethene	96					Compound Not Detected.			
11 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.			
12 Acetone	43		2.536	2.536	(0.454)	19864	251.327		10
13 Carbon disulfide	76		2.682	2.688	(0.480)	131530	27.0285		1.1
14 Methyl acetate	43					Compound Not Detected.			
15 Methylene chloride	84					Compound Not Detected.			

						CONCENTRATIONS		
		QUANT	SIG			ON-COLUMN	FINAL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
=====		====	==	=====	=====	=====	=====	=====
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	17 Methyl tert-butyl ether	73	3.156	3.156	(0.565)	55528	27.8546	1.1
	18 1,1-Dichloroethane	63	Compound Not Detected.					
\$	19 2-Butanone-d5	46	4.148	4.148	(0.742)	161977	1333.63	53
	20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
\$	23 Chloroform-d	84	4.525	4.525	(0.810)	369571	125.577	5.0
	24 Chloroform	83	4.543	4.543	(0.813)	33235	11.3055	0.45
	25 1,1,1-Trichloroethane	97	4.738	4.738	(0.528)	8731	2.81781	0.11
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
\$	28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.912)	124887	132.748	5.3
\$	29 Benzene-d6	84	5.109	5.109	(0.569)	861856	132.324	5.3
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.590	5.590	(1.000)	766733	125.000	
	33 Trichloroethene	95	Compound Not Detected.					
\$	34 1,2-Dichloropropane-d6	67	6.034	6.034	(0.672)	202447	117.856	4.7
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	39 4-Methyl-2-pentanone	43	Compound Not Detected.					
\$	40 Toluene-d8	98	7.275	7.275	(0.811)	811138	126.698	5.1
	41 Toluene	91	7.354	7.354	(0.820)	9661	1.25769	0.050
\$	42 trans-1,3-Dichloropropene-d4	79	Compound Not Detected.					
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	7.987	7.987	(0.890)	67130	38.7341	1.5
\$	46 2-Hexanone-d5	63	8.090	8.090	(0.902)	144451	1284.92	51
	47 2-Hexanone	43	Compound Not Detected.					
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	577536	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	Compound Not Detected.					
	53 m,p-Xylene	106	Compound Not Detected.					
	54 Styrene	104	Compound Not Detected.					
	55 o-Xylene	106	Compound Not Detected.					
	56 Bromoform	172	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
\$	58 1,1,2,2-Tetrachloroethane-d2	84	10.566	10.560	(1.178)	69477	129.608	5.2
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.807	11.801	(1.000)	249049	125.000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	181295	131.937	5.3
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-2
Client Smp ID: ISCO-MW2
Inj Date : 23-SEP-2010 12:27
Operator : JH2
Smp Info : 200-1636-B-2
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmcsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 13:23 cmp
Cal Date : 21-SEP-2010 17:24
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

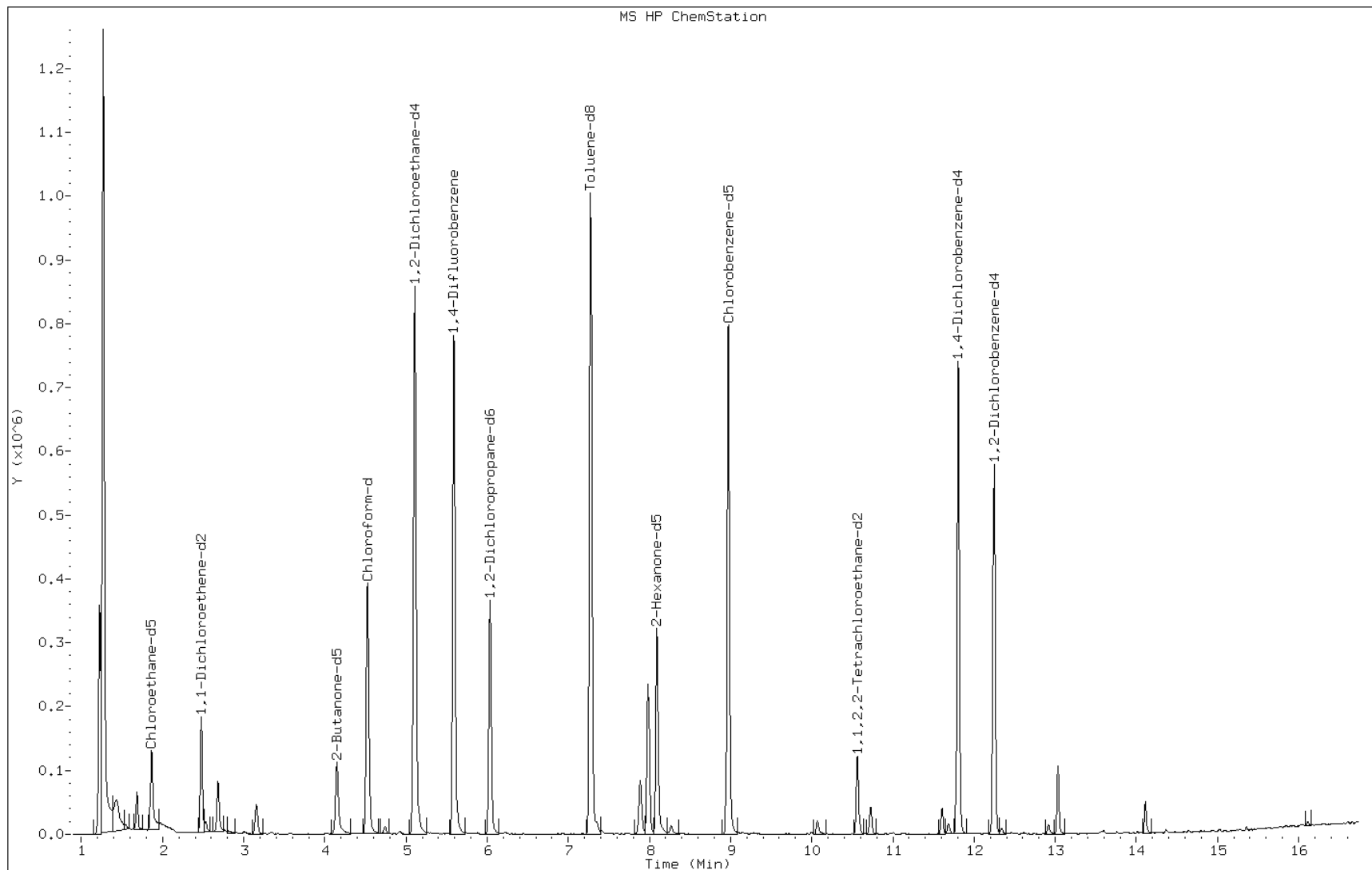
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.590	1704998	125.000
* 50 Chlorobenzene-d5	8.972	1666345	125.000
* 61 1,4-Dichlorobenzene-d4	11.807	1444154	125.000

RT	AREA	CONCENTRATIONS		QUAL	LIBRARY	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)			LIB ENTRY		
=====	=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:			
1.429	251409	18.4317717	0.74	0		0		32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.889	219880	16.4942115	0.66	87	NIST05.l	73123	50
Nonanal					CAS #: 124-19-6		
13.036	197426	17.0883663	0.68	90	NIST05.l	19203	61

Data File: jbmcl4.d
Client ID: ISCO-MW2
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 200-1636-B-2
Lab Sample ID: 200-1636-2

Date: 23-SEP-2010 12:27
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



Data File: jbmcl4.d

Lab Sample ID: 200-1636-2

Date: 23-SEP-2010 12:27

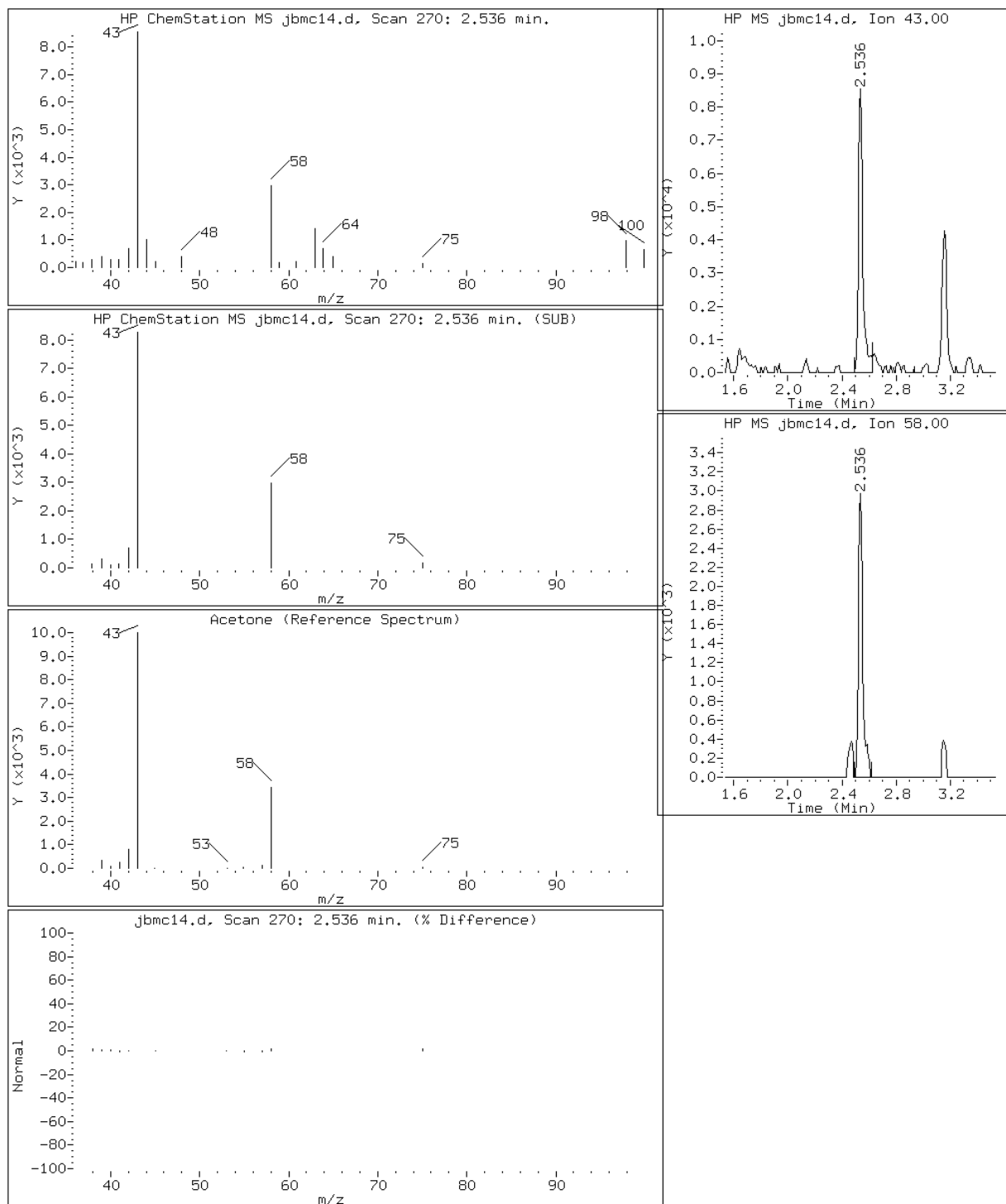
Client ID: ISCO-MW2

Instrument: J.i

Sample Info: 200-1636-B-2

Operator: JH2

12 Acetone



Data File: jbmcl4.d

Lab Sample ID: 200-1636-2

Date: 23-SEP-2010 12:27

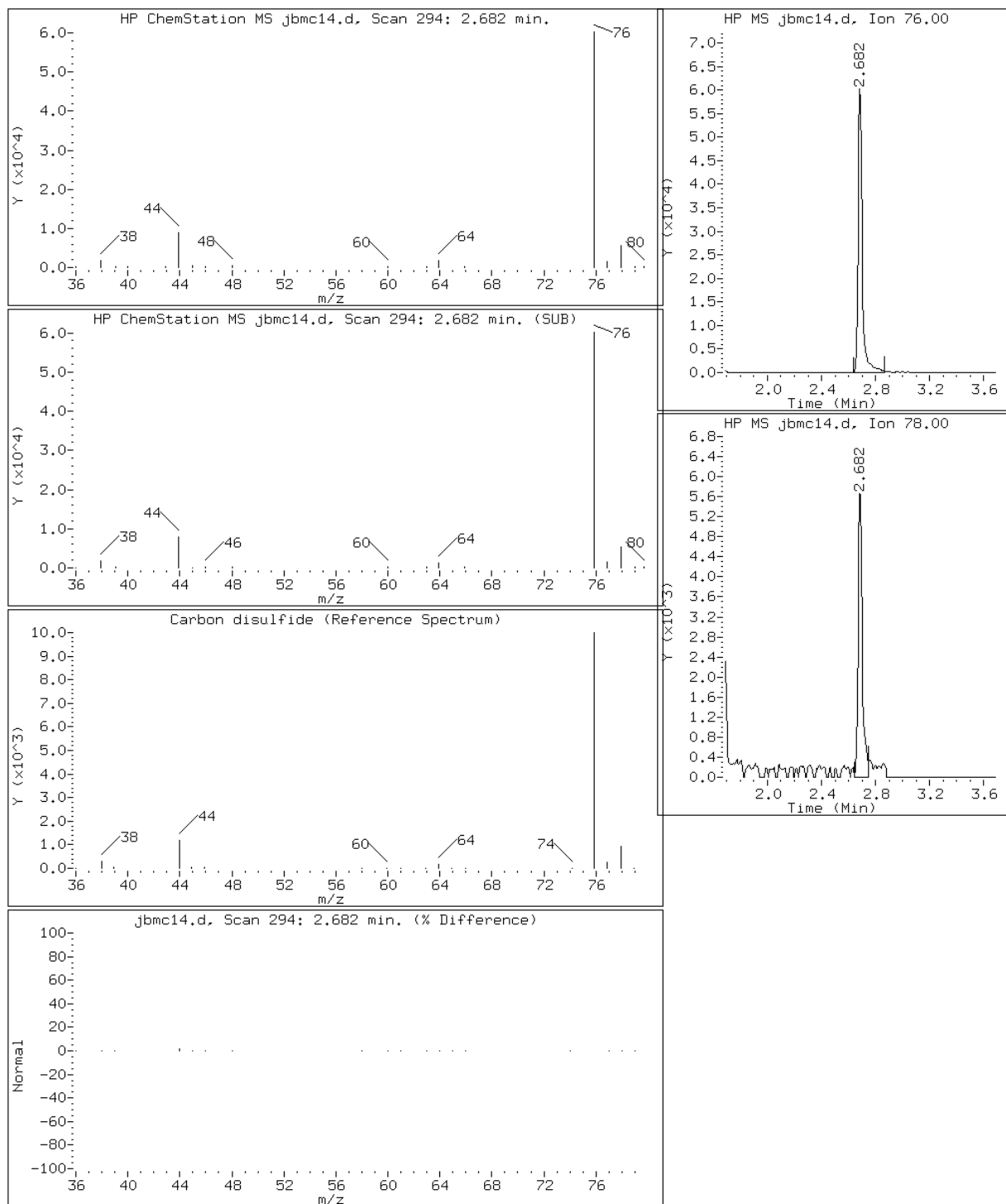
Client ID: ISCO-MW2

Instrument: J.i

Sample Info: 200-1636-B-2

Operator: JH2

13 Carbon disulfide



Data File: jbmcl4.d

Lab Sample ID: 200-1636-2

Date: 23-SEP-2010 12:27

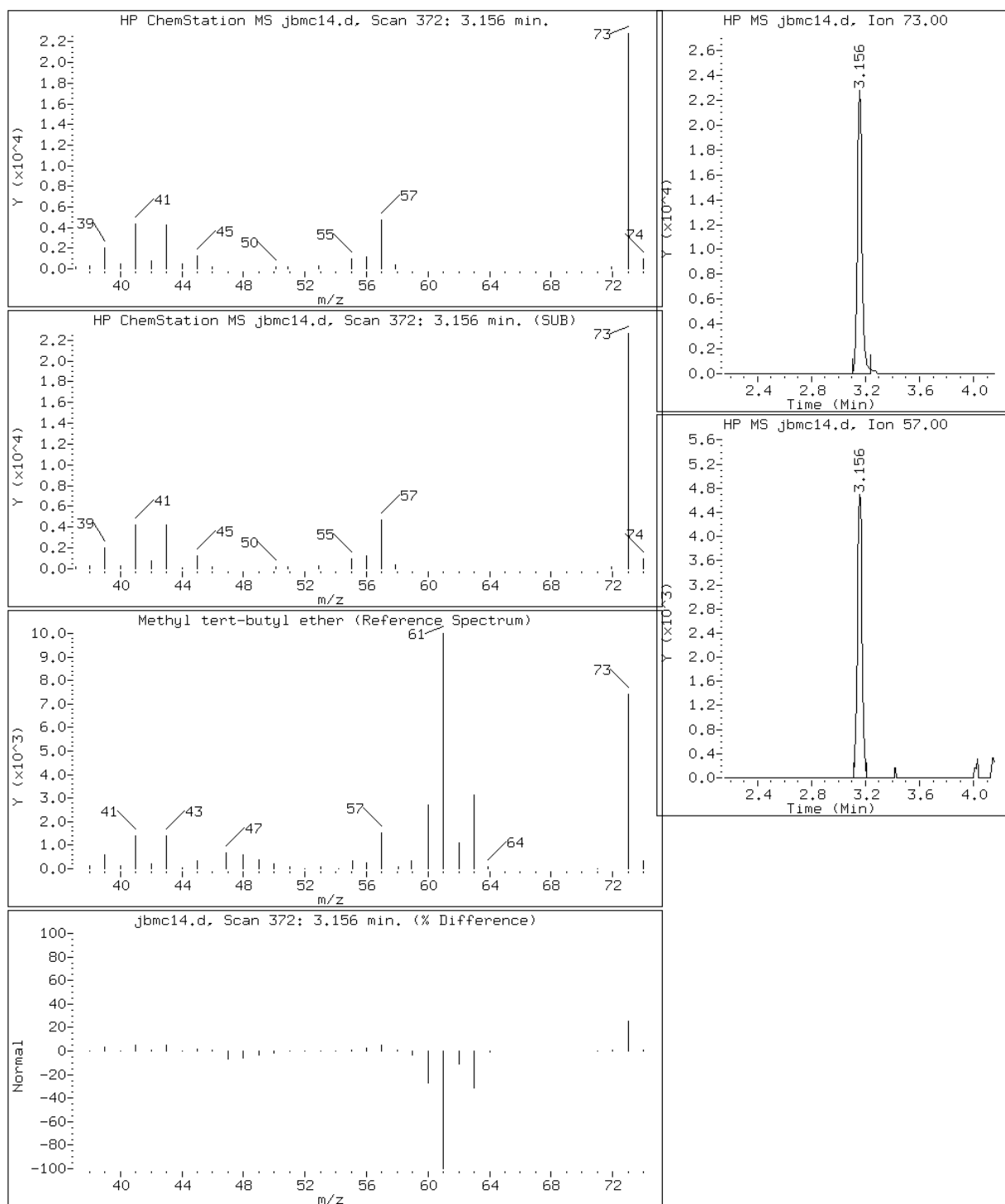
Client ID: ISCO-MW2

Instrument: J.i

Sample Info: 200-1636-B-2

Operator: JH2

17 Methyl tert-butyl ether



Data File: jbmcl4.d

Lab Sample ID: 200-1636-2

Date: 23-SEP-2010 12:27

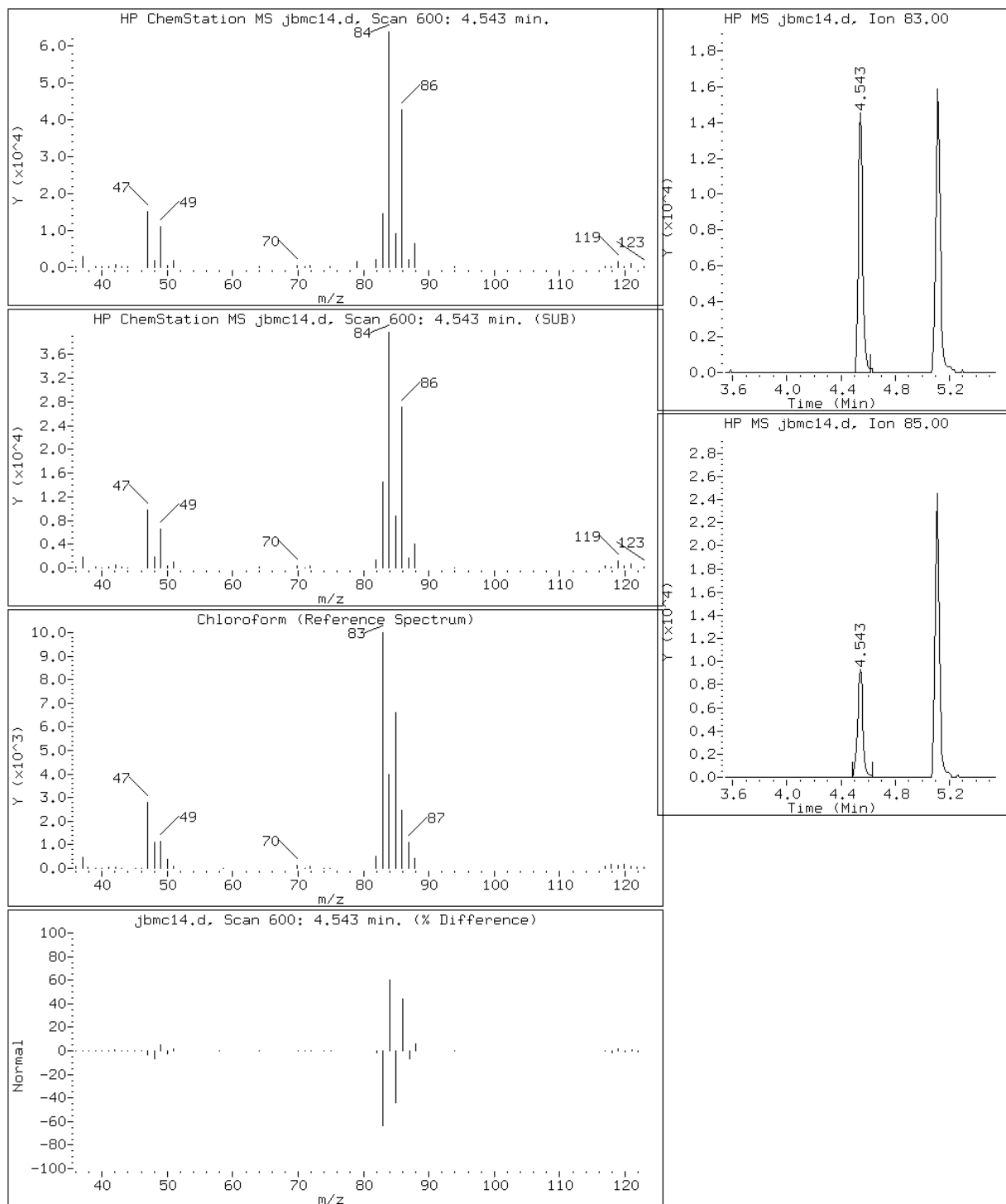
Client ID: ISCO-MW2

Instrument: J.i

Sample Info: 200-1636-B-2

Operator: JH2

24 Chloroform



Data File: jbmcl4.d

Lab Sample ID: 200-1636-2

Date: 23-SEP-2010 12:27

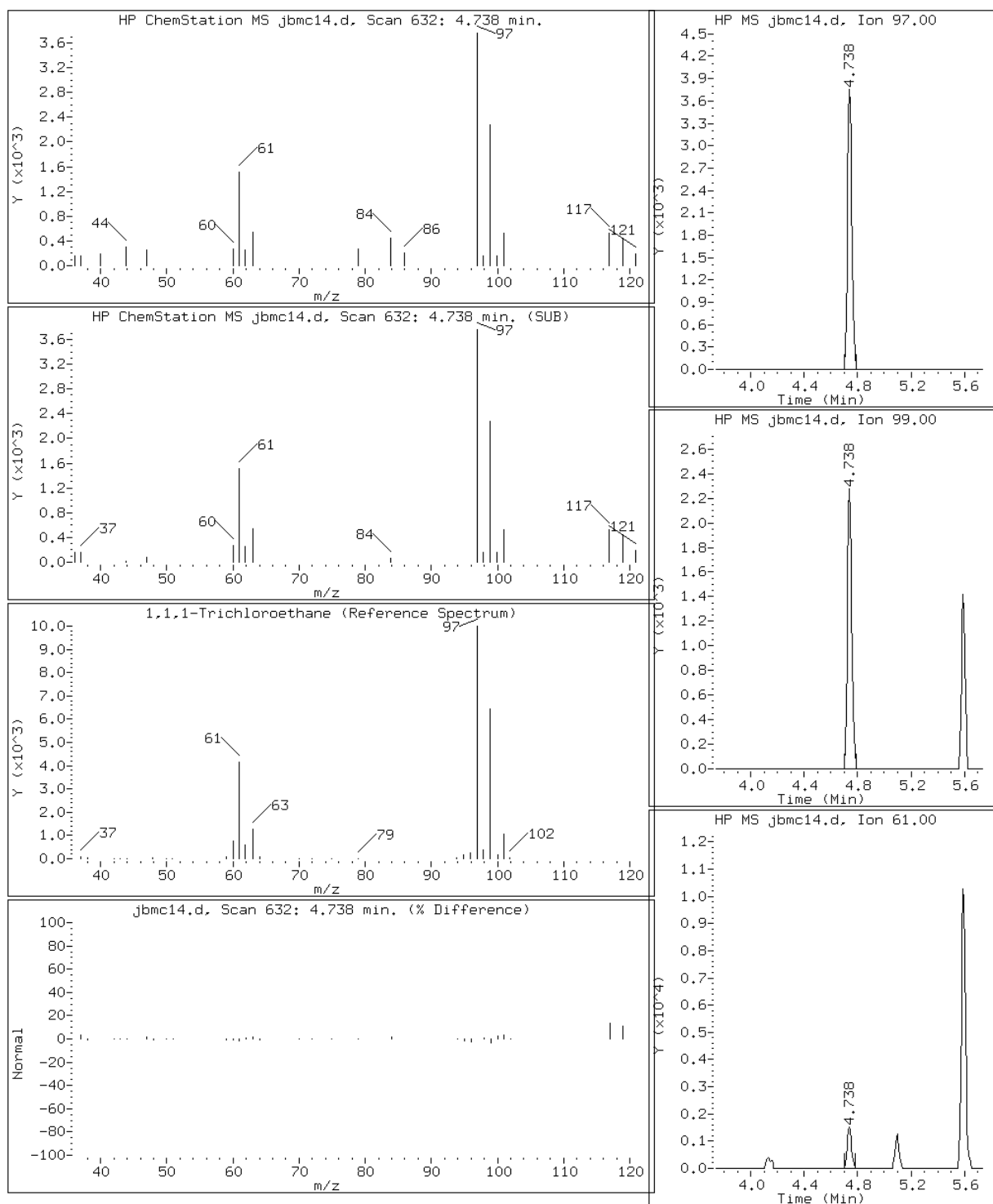
Client ID: ISCO-MW2

Instrument: J.i

Sample Info: 200-1636-B-2

Operator: JH2

25 1,1,1-Trichloroethane



Data File: jbmcl4.d

Lab Sample ID: 200-1636-2

Date: 23-SEP-2010 12:27

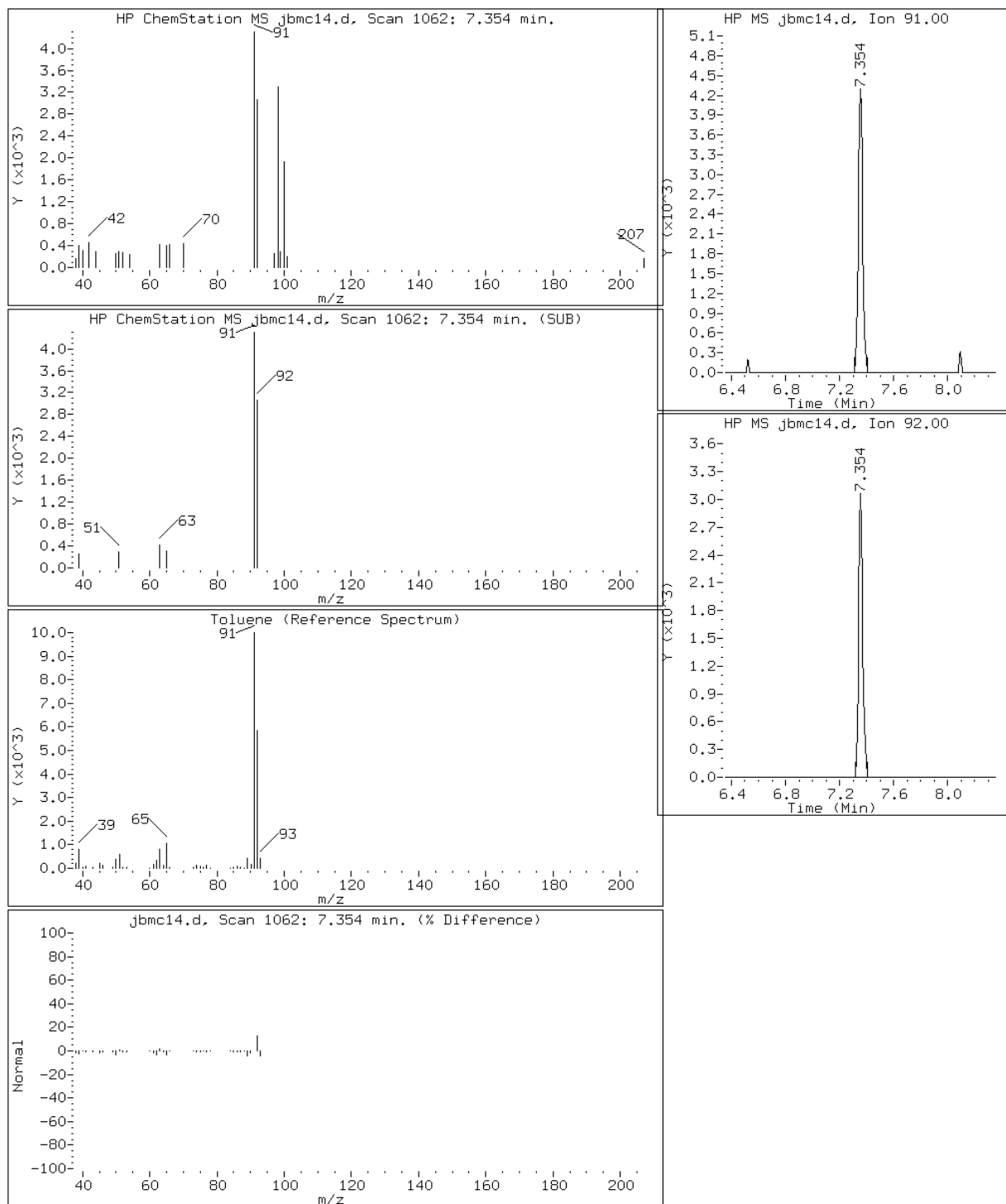
Client ID: ISCO-MW2

Instrument: J.i

Sample Info: 200-1636-B-2

Operator: JH2

41 Toluene



Data File: jbmcl4.d

Lab Sample ID: 200-1636-2

Date: 23-SEP-2010 12:27

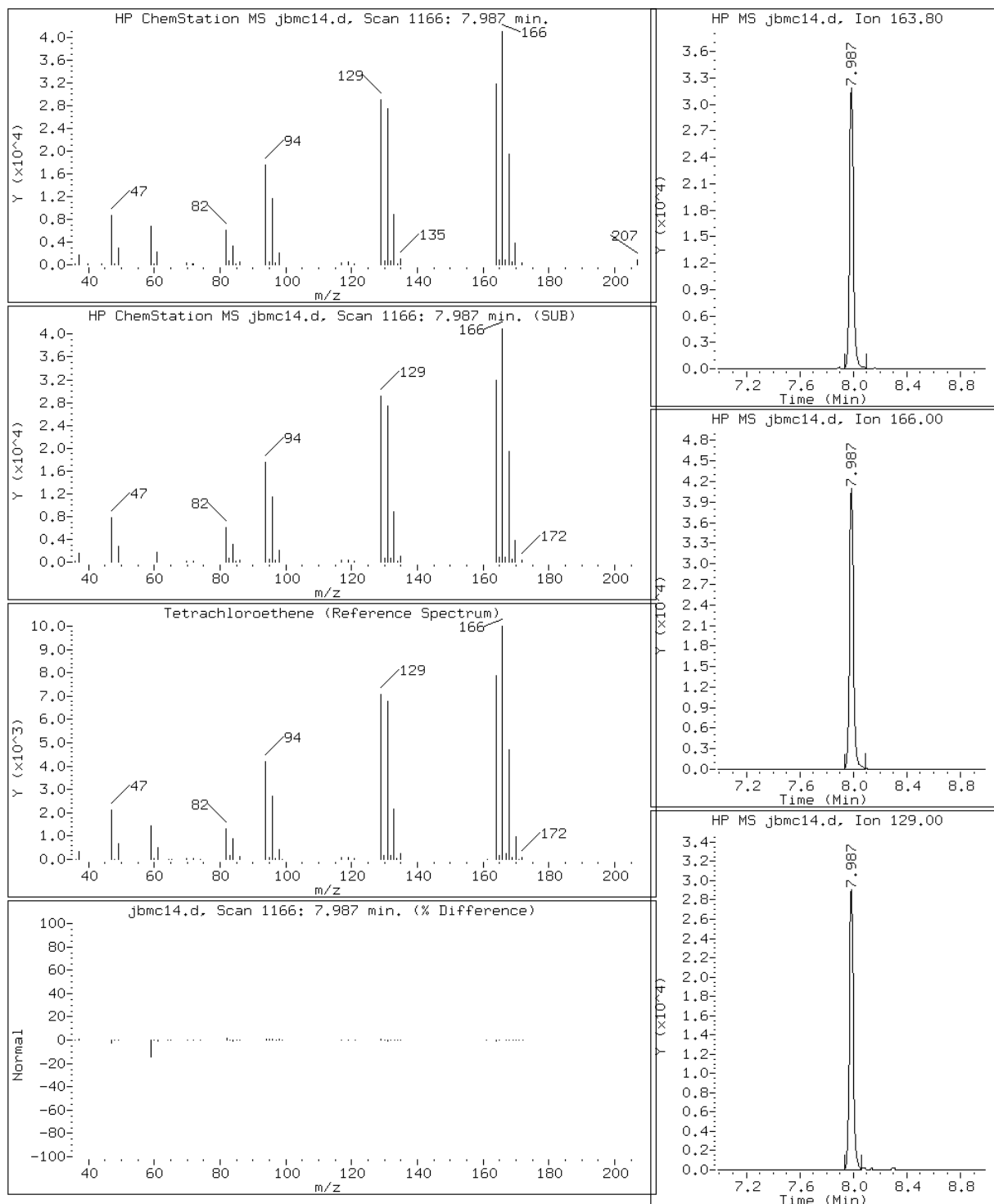
Client ID: ISCO-MW2

Instrument: J.i

Sample Info: 200-1636-B-2

Operator: JH2

45 Tetrachloroethene



Data File: jbmcl4.d

Lab Sample ID: 200-1636-2

Date: 23-SEP-2010 12:27

Client ID: ISCO-MW2

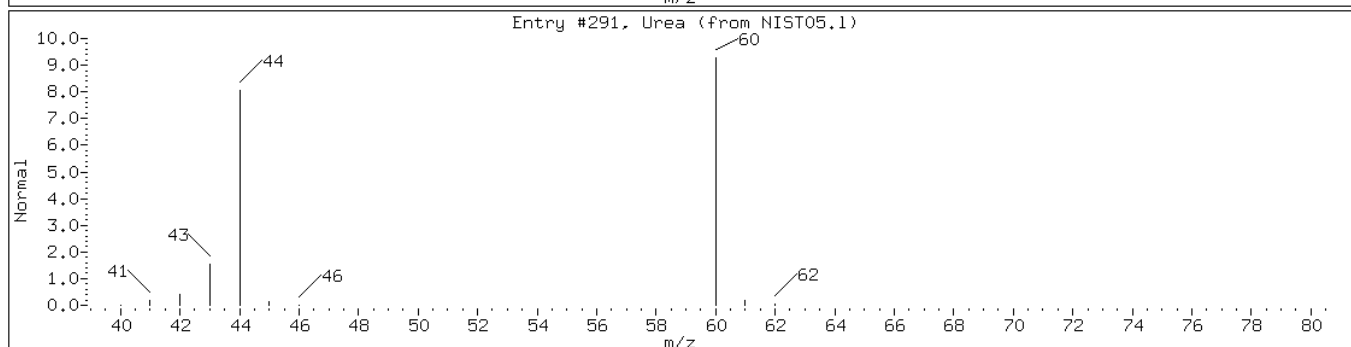
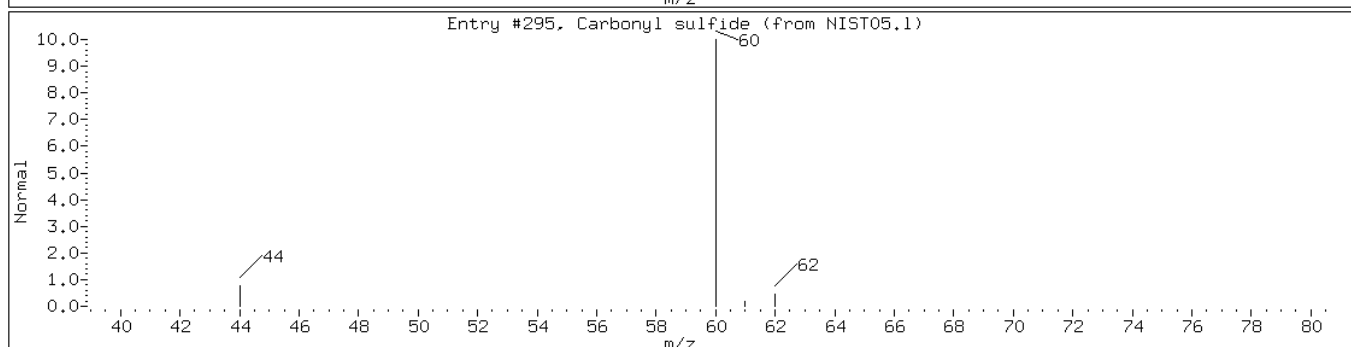
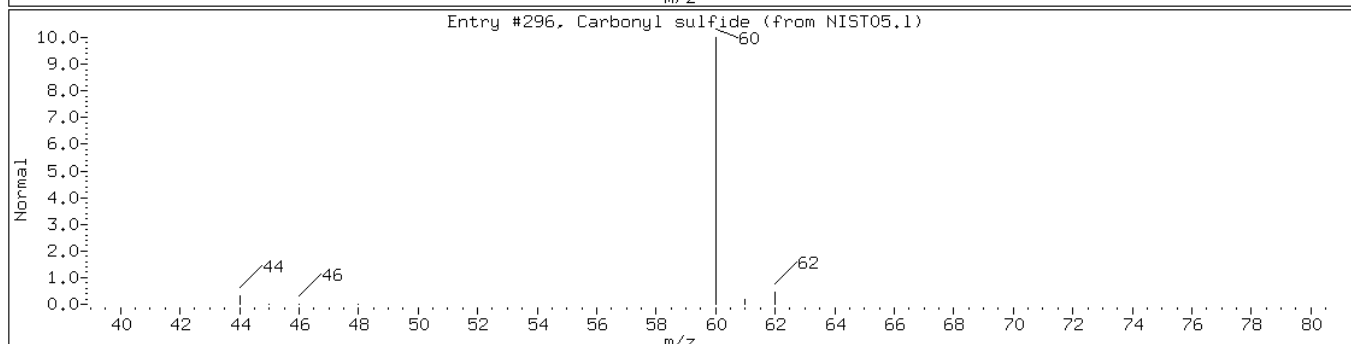
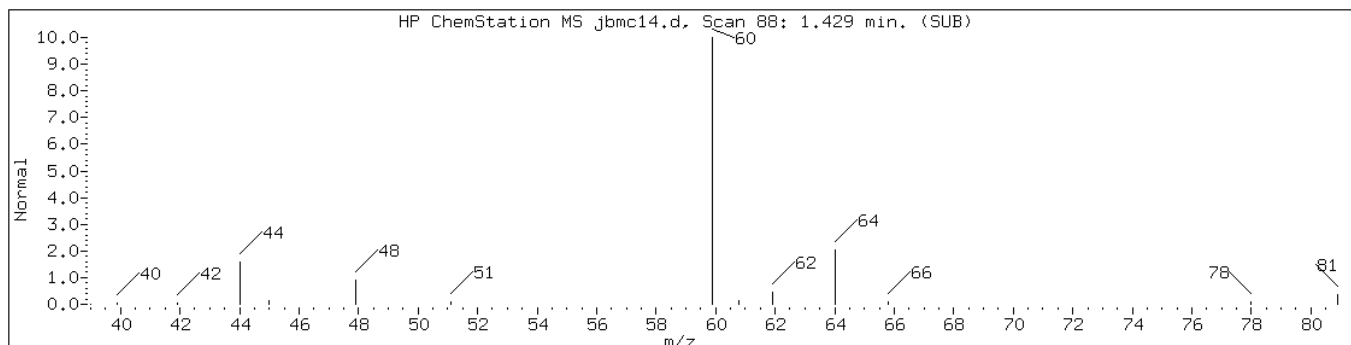
Instrument: J.i

Sample Info: 200-1636-B-2

Operator: JH2

Retention Time: 1.43

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonyl sulfide	463-58-1	NIST05.1	296	7	COS	60
Carbonyl sulfide	463-58-1	NIST05.1	295	7	COS	60
Urea	57-13-6	NIST05.1	291	5	CH4N2O	60



Data File: jbmcl4.d

Lab Sample ID: 200-1636-2

Client ID: ISCO-MW2

Sample Info: 200-1636-B-2

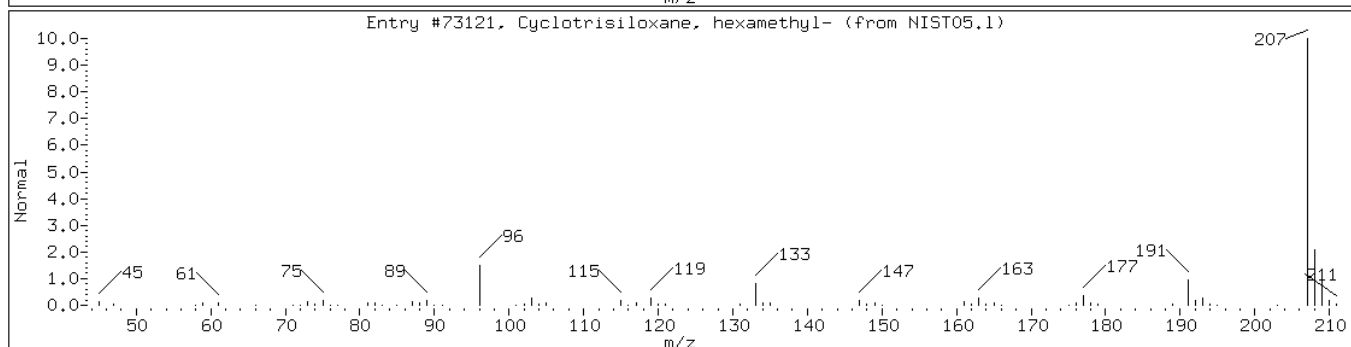
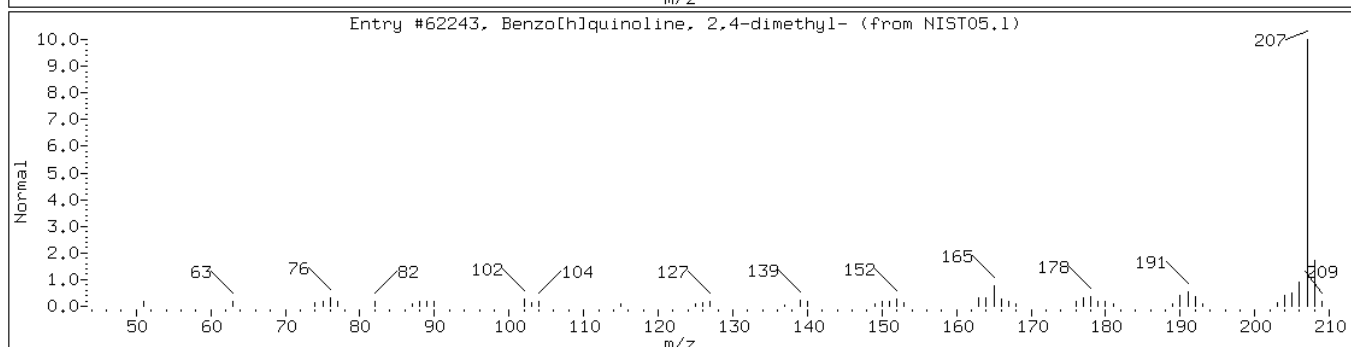
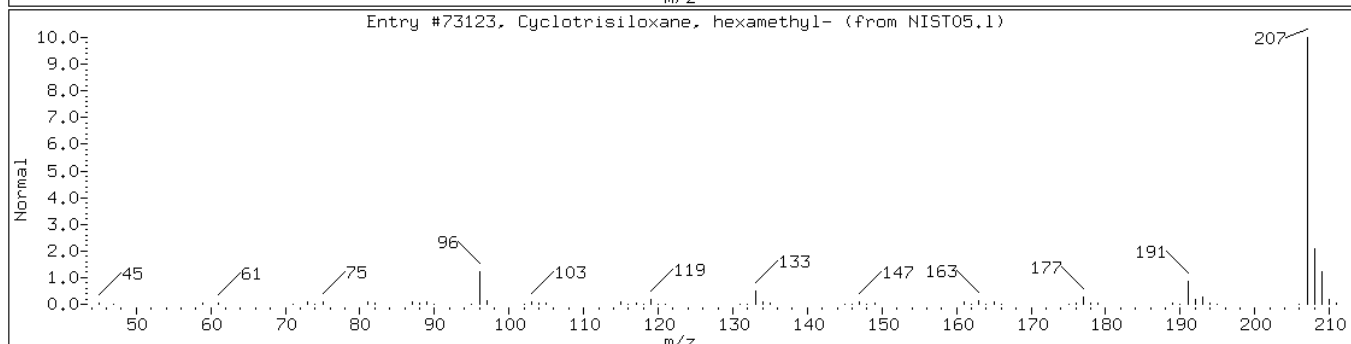
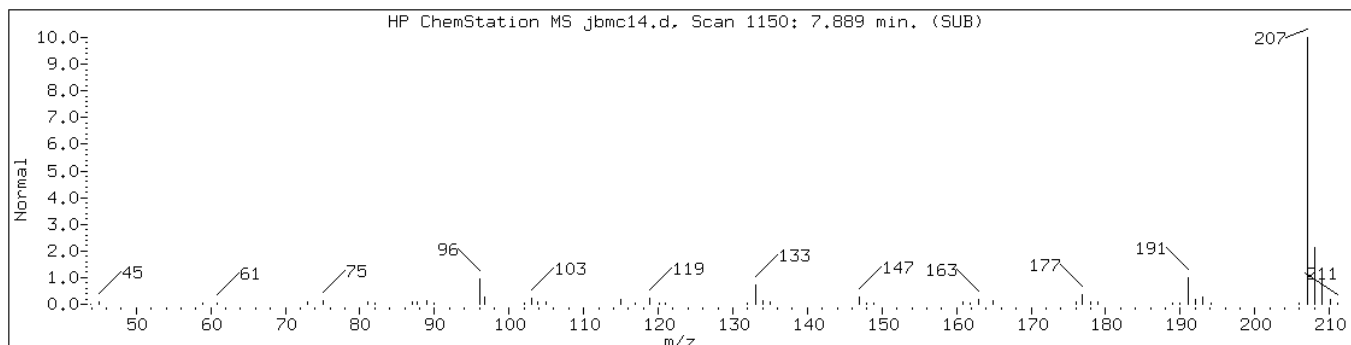
Date: 23-SEP-2010 12:27

Instrument: J.i

Operator: JH2

Retention Time: 7.89

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	87	C ₆ H ₁₈ O ₃ Si ₃	222
Benzo[h]quinoline, 2,4-dimethyl-	605-67-4	NIST05.1	62243	52	C ₁₅ H ₁₃ N	207
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	49	C ₆ H ₁₈ O ₃ Si ₃	222



Data File: jbmcl4.d

Lab Sample ID: 200-1636-2

Client ID: ISCO-MW2

Sample Info: 200-1636-B-2

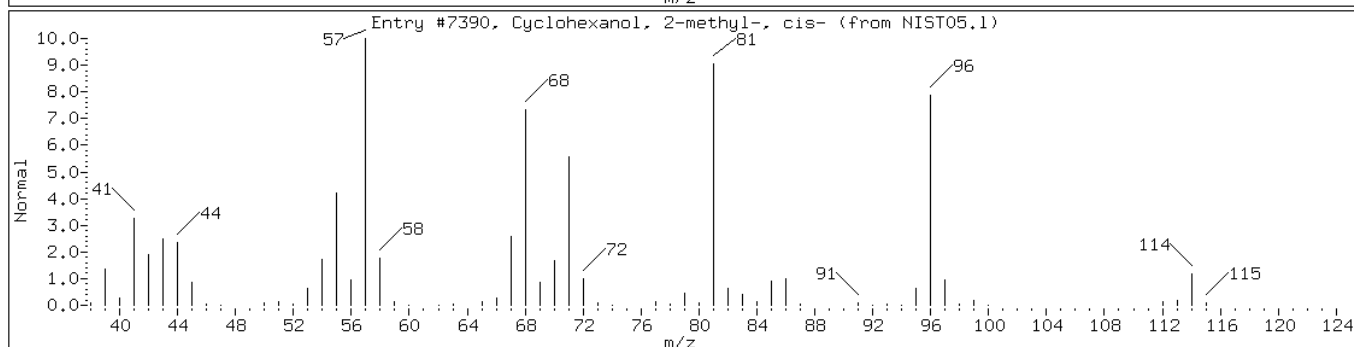
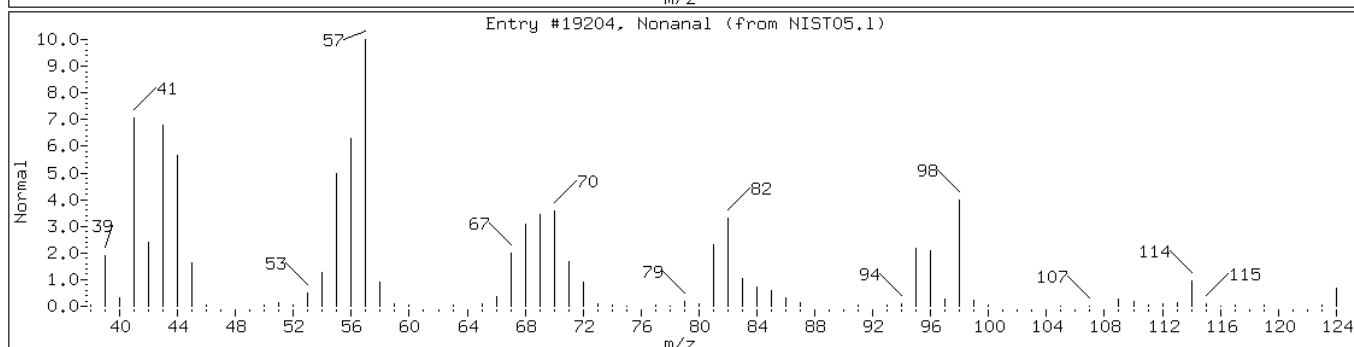
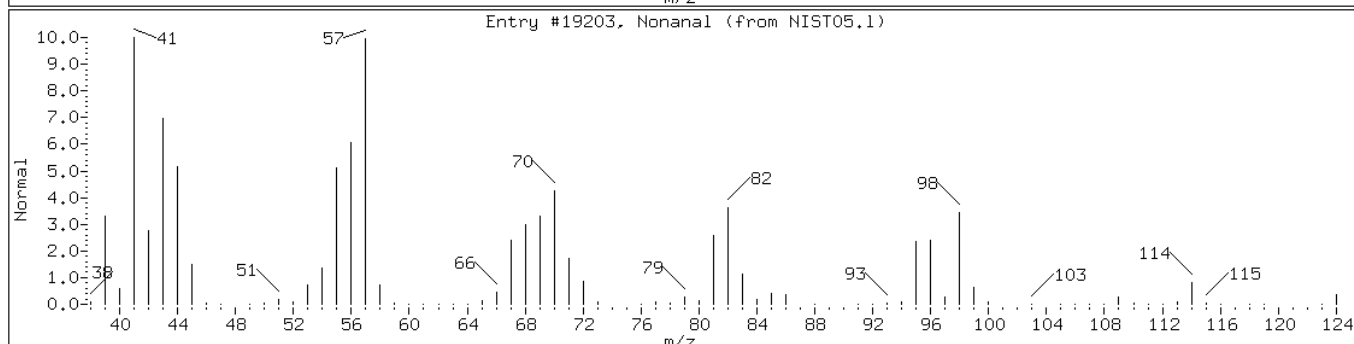
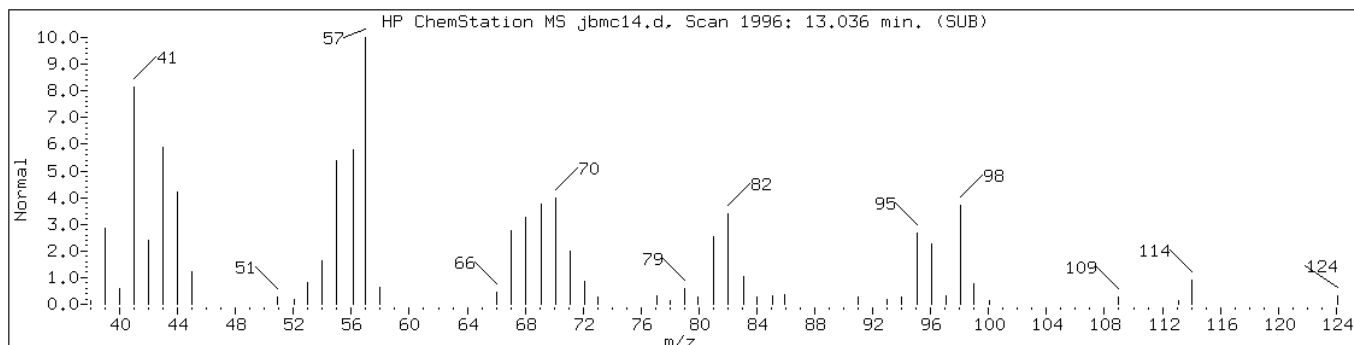
Date: 23-SEP-2010 12:27

Instrument: J.i

Operator: JH2

Retention Time: 13.04

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Nonanal	124-19-6	NIST05.1	19203	90	C9H18O	142
Nonanal	124-19-6	NIST05.1	19204	68	C9H18O	142
Cyclohexanol, 2-methyl-, cis-	7443-70-1	NIST05.1	7390	46	C7H14O	114



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: ISCO-MW3 Lab Sample ID: 200-1636-3
 Matrix: Water Lab File ID: jbmd07.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 16:30
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 17:54
 Soil Aliquot Vol: Dilution Factor: 3.3
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.6	U	1.6	0.082
74-87-3	Chloromethane	1.6	U	1.6	0.32
75-01-4	Vinyl chloride	1.6	U	1.6	0.16
74-83-9	Bromomethane	1.6	U	1.6	0.16
75-00-3	Chloroethane	1.6	U	1.6	0.23
75-69-4	Trichlorofluoromethane	1.6	U	1.6	0.17
75-35-4	1,1-Dichloroethene	1.6	U	1.6	0.13
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.6	U	1.6	0.099
67-64-1	Acetone	8.9	J B	16	3.1
75-15-0	Carbon disulfide	1.6	U	1.6	0.20
79-20-9	Methyl acetate	1.6	U	1.6	0.25
75-09-2	Methylene chloride	1.6	U	1.6	0.20
156-60-5	trans-1,2-Dichloroethene	1.6	U	1.6	0.059
1634-04-4	Methyl tert-butyl ether	0.29	J	1.6	0.11
75-34-3	1,1-Dichloroethane	1.6	U	1.6	0.17
156-59-2	cis-1,2-Dichloroethene	0.85	J	1.6	0.17
78-93-3	2-Butanone	16	U	16	2.0
74-97-5	Bromochloromethane	1.6	U	1.6	0.24
67-66-3	Chloroform	1.6	U	1.6	0.16
71-55-6	1,1,1-Trichloroethane	1.6	U	1.6	0.092
110-82-7	Cyclohexane	1.6	U	1.6	0.13
56-23-5	Carbon tetrachloride	1.6	U	1.6	0.13
71-43-2	Benzene	1.6	U	1.6	0.099
107-06-2	1,2-Dichloroethane	1.6	U	1.6	0.19
79-01-6	Trichloroethene	590	E	1.6	0.18
108-87-2	Methylcyclohexane	1.6	U	1.6	0.16
78-87-5	1,2-Dichloropropane	1.6	U	1.6	0.17
75-27-4	Bromodichloromethane	1.6	U	1.6	0.14
10061-01-5	cis-1,3-Dichloropropene	1.6	U	1.6	0.12
108-10-1	4-Methyl-2-pentanone	16	U	16	1.2
108-88-3	Toluene	0.13	J	1.6	0.10
10061-02-6	trans-1,3-Dichloropropene	1.6	U	1.6	0.10
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	0.24
127-18-4	Tetrachloroethene	4.7		1.6	0.17
591-78-6	2-Hexanone	16	U	16	0.96

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: ISCO-MW3 Lab Sample ID: 200-1636-3
 Matrix: Water Lab File ID: jbmd07.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 16:30
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 17:54
 Soil Aliquot Vol: Dilution Factor: 3.3
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.6	U	1.6	0.16
106-93-4	1,2-Dibromoethane	1.6	U	1.6	0.66
108-90-7	Chlorobenzene	1.6	U	1.6	0.13
100-41-4	Ethylbenzene	1.6	U	1.6	0.16
95-47-6	o-Xylene	1.6	U	1.6	0.14
179601-23-1	m,p-Xylene	1.6	U	1.6	0.11
100-42-5	Styrene	1.6	U	1.6	0.19
75-25-2	Bromoform	1.6	U	1.6	0.22
98-82-8	Isopropylbenzene	1.6	U	1.6	0.15
79-34-5	1,1,2,2-Tetrachloroethane	1.6	U	1.6	0.26
541-73-1	1,3-Dichlorobenzene	1.6	U	1.6	0.14
106-46-7	1,4-Dichlorobenzene	1.6	U	1.6	0.12
95-50-1	1,2-Dichlorobenzene	1.6	U	1.6	0.17
96-12-8	1,2-Dibromo-3-chloropropane	1.6	U	1.6	0.82
120-82-1	1,2,4-Trichlorobenzene	1.6	U	1.6	0.16
87-61-6	1,2,3-Trichlorobenzene	1.6	U	1.6	0.096

CAS NO.	SURROGATE	%REC	LIMITS	Q
6745-35-3	Vinyl chloride-d3	102	65-131	
19199-91-8	Chloroethane-d5	103	71-131	
22280-73-5	1,1-Dichloroethene-d2	79	55-104	
24313-50-6	2-Butanone-d5	106	49-155	
865-49-6	Chloroform-d	102	78-121	
17060-07-0	1,2-Dichloroethane-d4	106	78-129	
1076-43-3	Benzene-d6	108	77-124	
93952-08-0	1,2-Dichloropropane-d6	96	79-124	
2037-26-5	Toluene-d8	105	77-121	
93951-86-1	trans-1,3-Dichloropropene-d4	103	73-121	
4840-82-8	2-Hexanone-d5	101	28-135	
33685-54-0	1,1,2,2-Tetrachloroethane-d2	104	73-125	
2199-69-1	1,2-Dichlorobenzene-d4	110	80-131	

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: ISCO-MW3 Lab Sample ID: 200-1636-3
Matrix: Water Lab File ID: jbmd07.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 16:30
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 17:54
Soil Aliquot Vol: _____ Dilution Factor: 3.3
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 7052 Units: ug/L
Number TICs Found: 4 TIC Result Total: 29.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	1.68	14	B J
	Unknown	6.93	9.3	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	3.6	B J N
	Unknown siloxane derivative	10.72	3.0	B J

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: ISCO-MW3 Lab Sample ID: 200-1636-3
Matrix: Water Lab File ID: jbmd07.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 16:30
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 17:54
Soil Aliquot Vol: _____ Dilution Factor: 3.3
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-3
Client Smp ID: ISCO-MW3
Inj Date : 23-SEP-2010 17:54
Operator : JH2
Smp Info : 200-1636-B-3
Misc Info : 3.3,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2
Cal Date : 21-SEP-2010 17:24
Als bottle: 21
Dil Factor: 3.30000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	3.30000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85				Compound Not Detected.		
2 Chloromethane	50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	1.562	1.563	(0.279)	256985	127.899	5.1
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	1.861	1.867	(0.332)	211614	128.526	5.1
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	2.475	2.481	(0.442)	314519	98.9048	4.0(Q)
10 1,1-Dichloroethene	96				Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101				Compound Not Detected.		
12 Acetone	43	2.542	2.536	(0.454)	5209	67.3229	8.9
13 Carbon disulfide	76				Compound Not Detected.		
14 Methyl acetate	43				Compound Not Detected.		
15 Methylene chloride	84				Compound Not Detected.		

						CONCENTRATIONS		
		QUANT	SIG			ON-COLUMN	FINAL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
=====		====	==	=====	=====	=====	=====	=====
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	17 Methyl tert-butyl ether	73	3.156	3.156	(0.564)	4360	2.23413	0.29
	18 1,1-Dichloroethane	63	Compound Not Detected.					
\$	19 2-Butanone-d5	46	4.148	4.148	(0.741)	157358	1323.45	53
	20 cis-1,2-Dichloroethene	96	4.197	4.191	(0.750)	11184	6.46026	0.85
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
\$	23 Chloroform-d	84	4.525	4.525	(0.809)	365975	127.028	5.1(Q)
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
\$	28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.911)	121952	132.415	5.3
\$	29 Benzene-d6	84	5.109	5.109	(0.569)	861423	135.131	5.4
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.596	5.590	(1.000)	750599	125.000	
	33 Trichloroethene	95	5.882	5.882	(0.656)	8500394	4487.88	590(A)
\$	34 1,2-Dichloropropane-d6	67	6.040	6.040	(0.673)	201775	120.018	4.8
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	39 4-Methyl-2-pentanone	43	Compound Not Detected.					
\$	40 Toluene-d8	98	7.275	7.275	(0.811)	826325	131.875	5.3
	41 Toluene	91	7.354	7.354	(0.820)	7236	0.96247	0.13
\$	42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)	150079	129.239	5.2
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	7.987	7.987	(0.890)	59757	35.2292	4.7
\$	46 2-Hexanone-d5	63	8.090	8.090	(0.902)	139219	1265.29	51
	47 2-Hexanone	43	Compound Not Detected.					
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	565252	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	Compound Not Detected.					
	53 m,p-Xylene	106	Compound Not Detected.					
	54 Styrene	104	Compound Not Detected.					
	55 o-Xylene	106	Compound Not Detected.					
	56 Bromoform	172	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
\$	58 1,1,2,2-Tetrachloroethane-d2	84	10.566	10.560	(1.178)	68487	130.537	5.2
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.807	11.807	(1.000)	238090	125.000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	181047	137.821	5.5(Q)
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-3
Client Smp ID: ISCO-MW3
Inj Date : 23-SEP-2010 17:54
Operator : JH2
Smp Info : 200-1636-B-3
Misc Info : 3.3,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2
Cal Date : 21-SEP-2010 17:24
Als bottle: 21
Dil Factor: 3.30000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	3.30000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

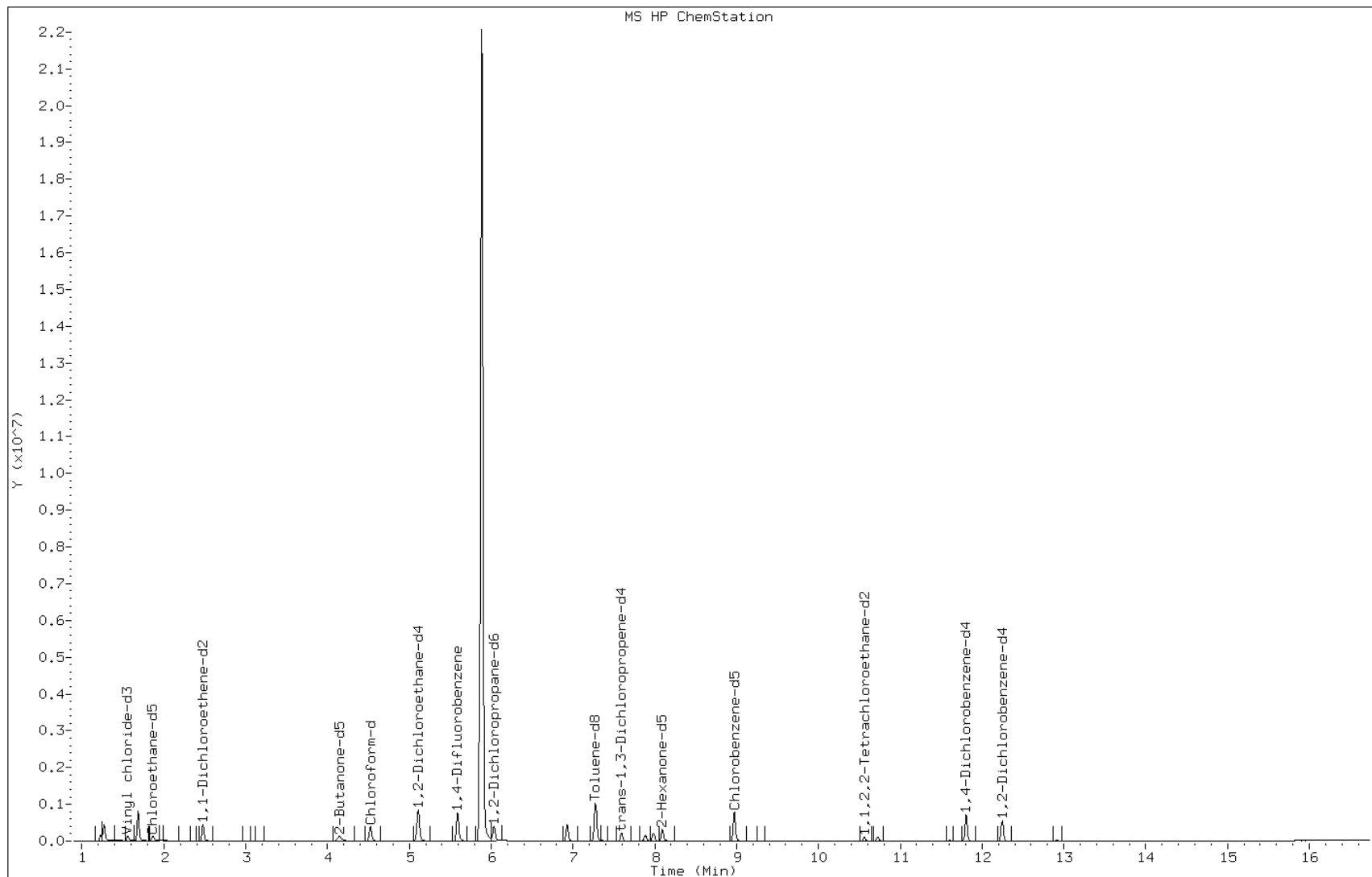
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.596	1644667	125.000
* 50 Chlorobenzene-d5	8.972	1626200	125.000
* 61 1,4-Dichlorobenzene-d4	11.807	1384290	125.000

RT	AREA	CONCENTRATIONS		QUAL	LIBRARY	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)			LIB ENTRY		
=====	=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:			
1.684	1429677	108.660058	14	0		0	32	

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
6.928	930651	70.7324542	9.3	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.883	358746	27.5754861	3.6	91	NIST05.1	73123	50
Unknown siloxane derivative					CAS #:		
10.724	255674	23.0870889	3.0	0		0	61

Data File: jbmd07.d
Client ID: ISCO-MW3
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 200-1636-B-3
Lab Sample ID: 200-1636-3

Date: 23-SEP-2010 17:54
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



Data File: jbm07.d

Lab Sample ID: 200-1636-3

Date: 23-SEP-2010 17:54

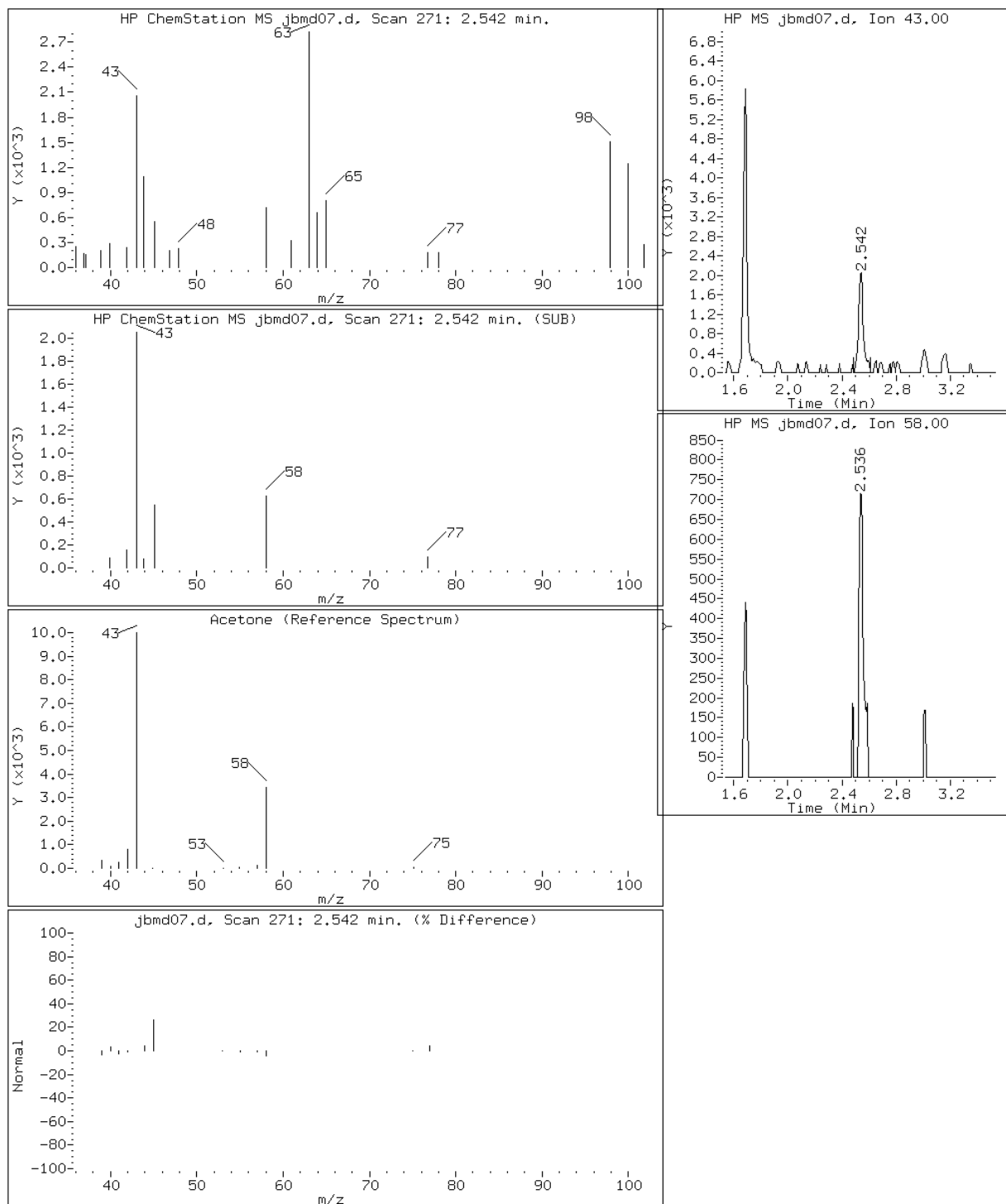
Client ID: ISCO-MW3

Instrument: J.i

Sample Info: 200-1636-B-3

Operator: JH2

12 Acetone



Data File: jbm07.d

Lab Sample ID: 200-1636-3

Date: 23-SEP-2010 17:54

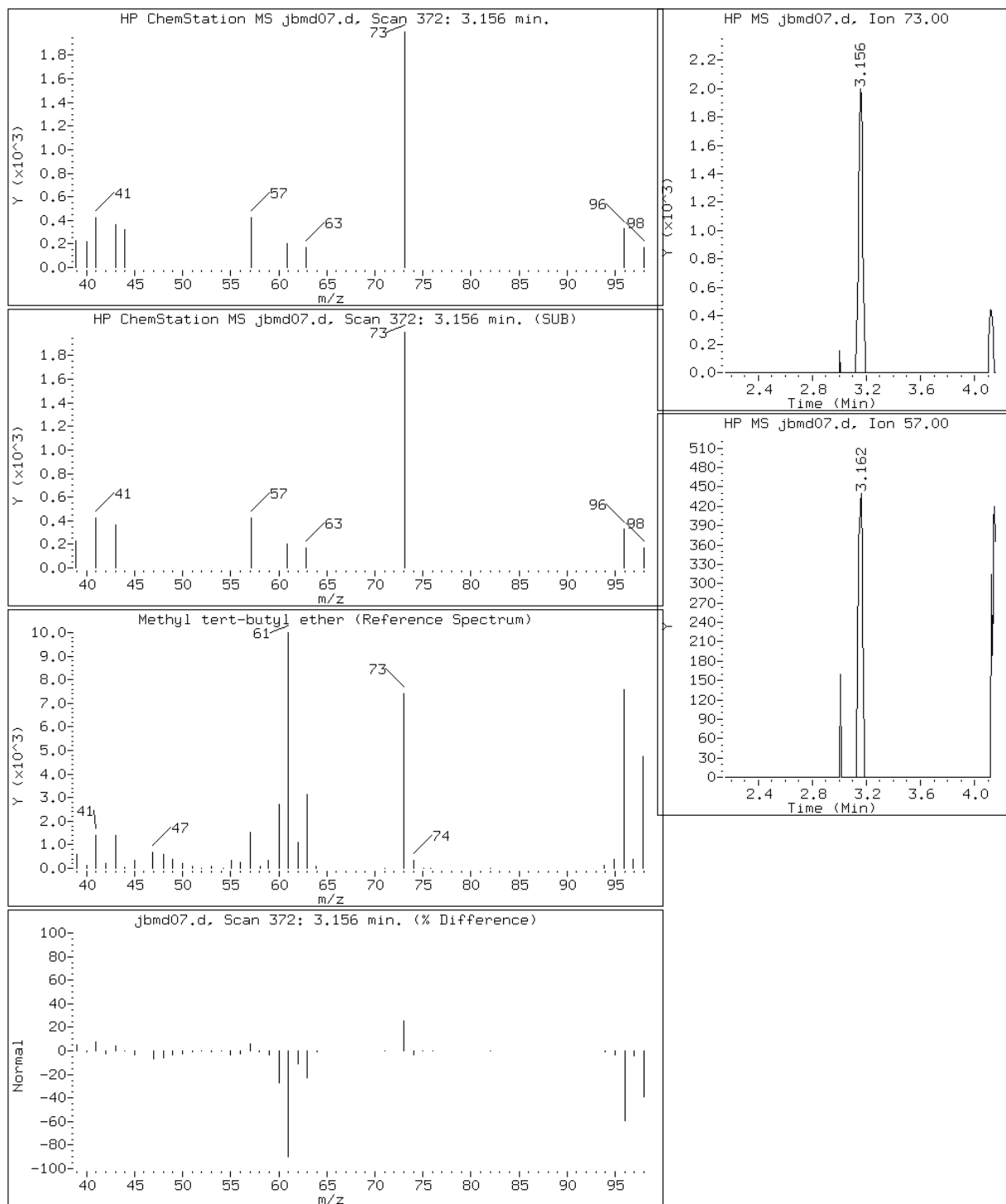
Client ID: ISCO-MW3

Instrument: J.i

Sample Info: 200-1636-B-3

Operator: JH2

17 Methyl tert-butyl ether



Data File: jbm07.d

Lab Sample ID: 200-1636-3

Date: 23-SEP-2010 17:54

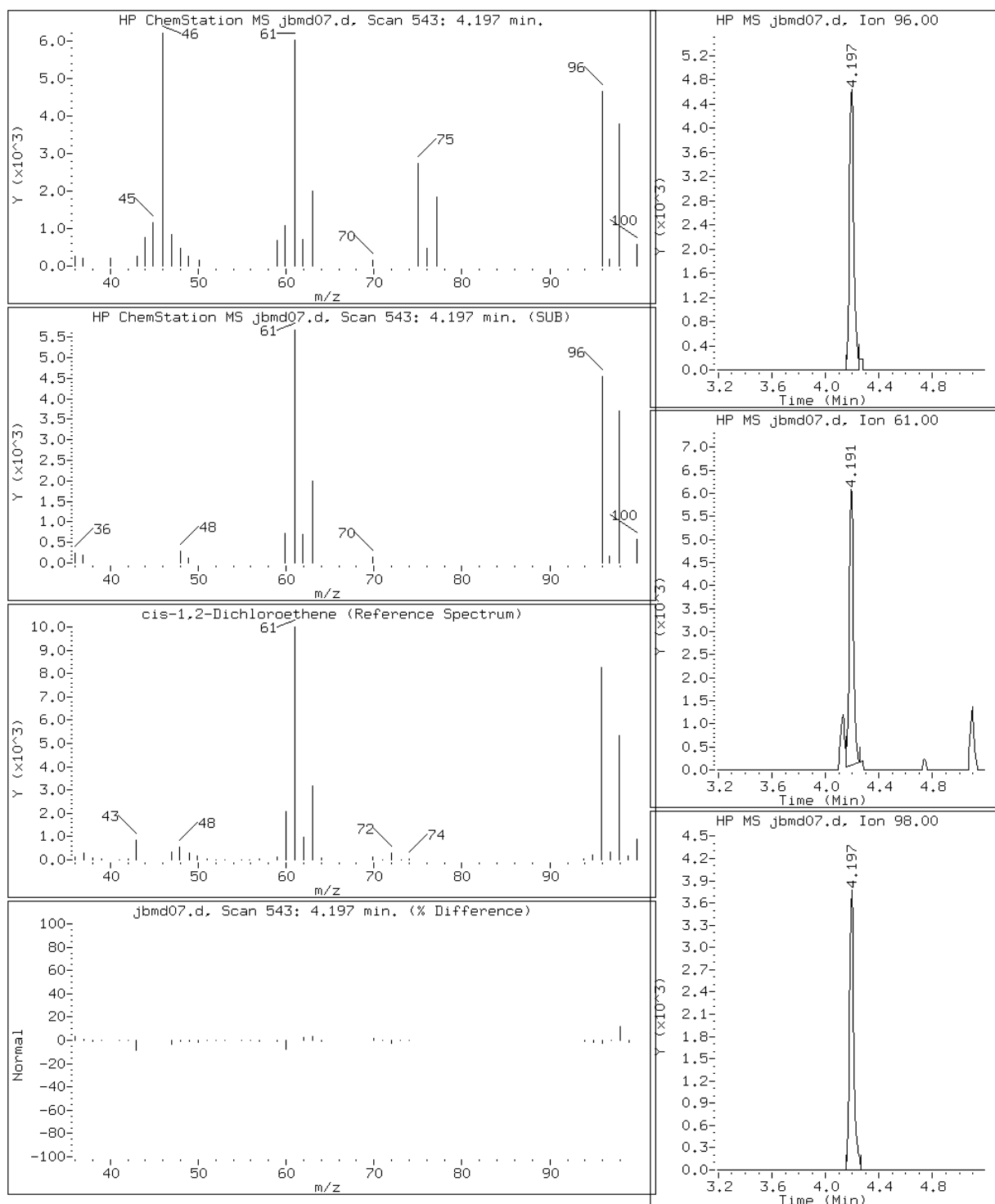
Client ID: ISCO-MW3

Instrument: J.i

Sample Info: 200-1636-B-3

Operator: JH2

20 cis-1,2-Dichloroethene



Data File: jbm07.d

Lab Sample ID: 200-1636-3

Date: 23-SEP-2010 17:54

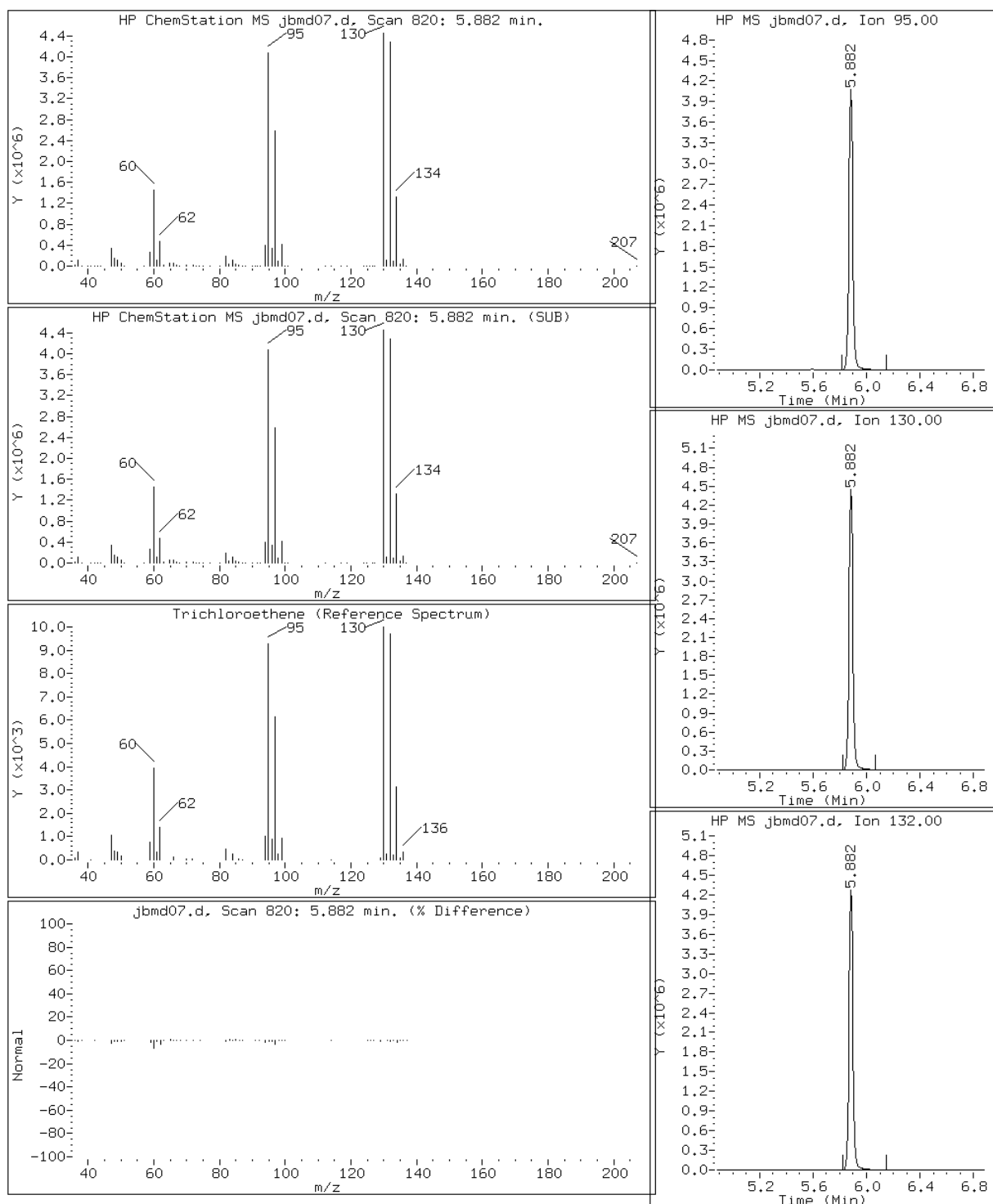
Client ID: ISCO-MW3

Instrument: J.i

Sample Info: 200-1636-B-3

Operator: JH2

33 Trichloroethene



Data File: jbm07.d

Lab Sample ID: 200-1636-3

Date: 23-SEP-2010 17:54

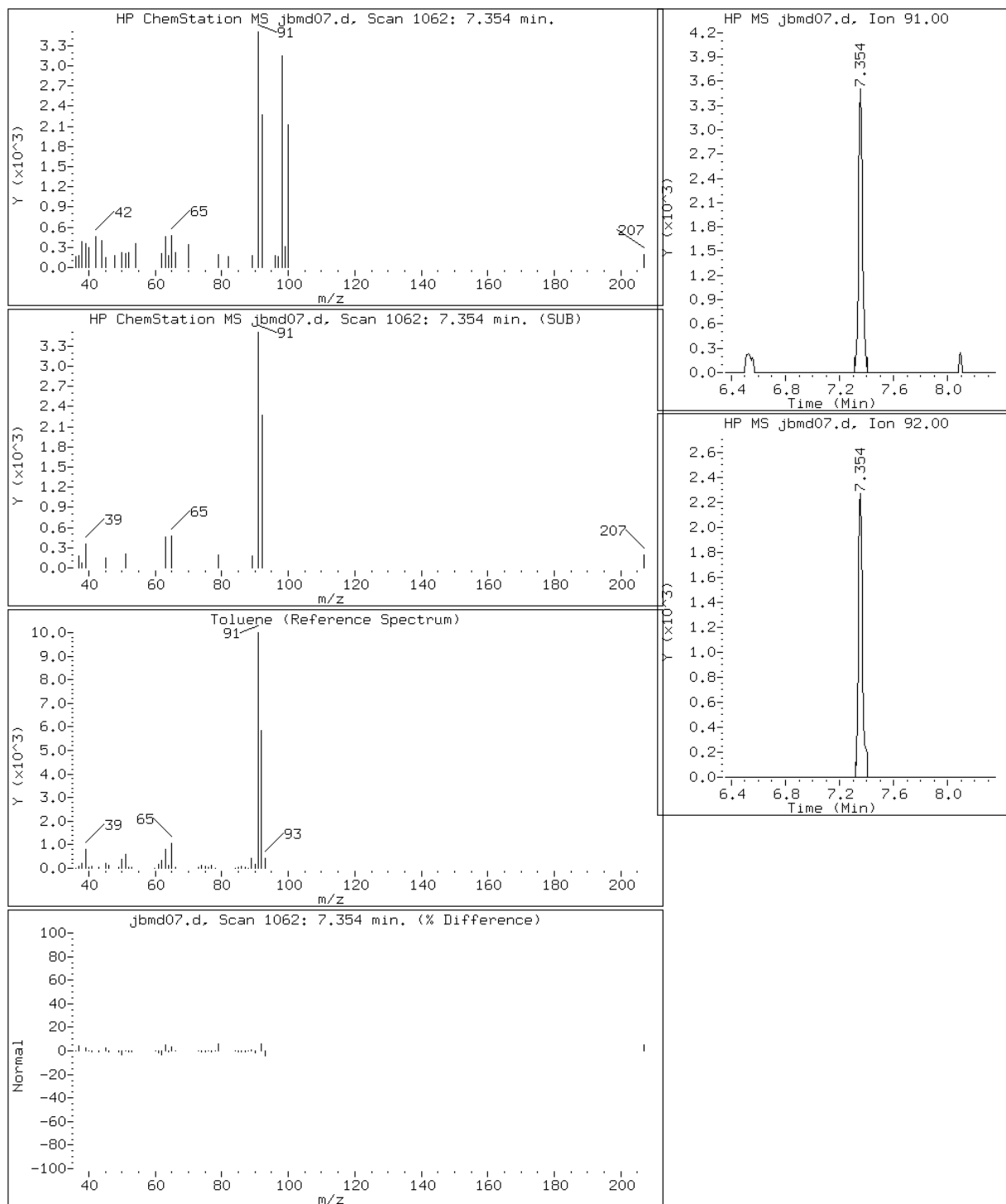
Client ID: ISCO-MW3

Instrument: J.i

Sample Info: 200-1636-B-3

Operator: JH2

41 Toluene



Data File: jbm07.d

Lab Sample ID: 200-1636-3

Date: 23-SEP-2010 17:54

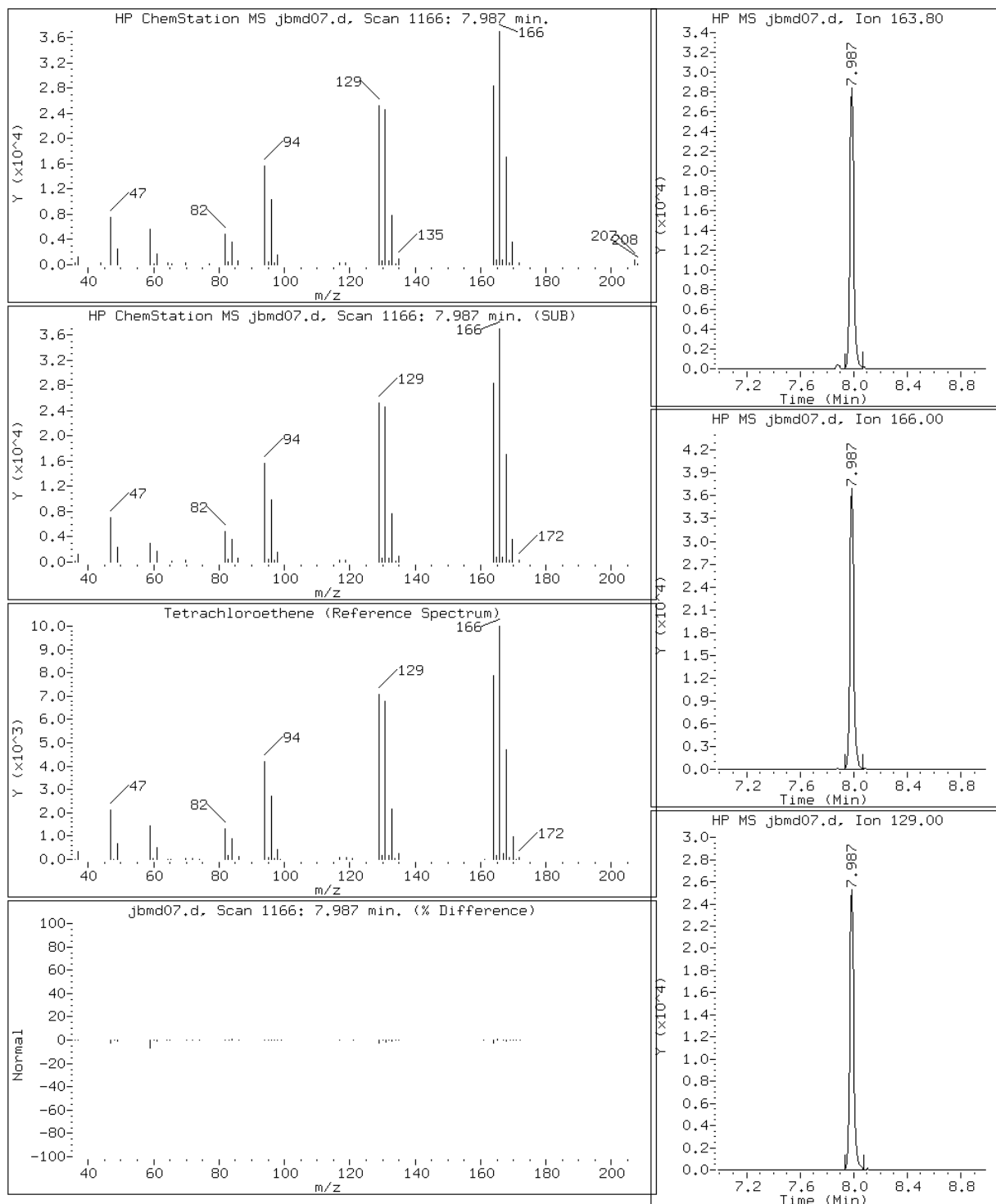
Client ID: ISCO-MW3

Instrument: J.i

Sample Info: 200-1636-B-3

Operator: JH2

45 Tetrachloroethene



Data File: jbm07.d

Lab Sample ID: 200-1636-3

Client ID: ISCO-MW3

Sample Info: 200-1636-B-3

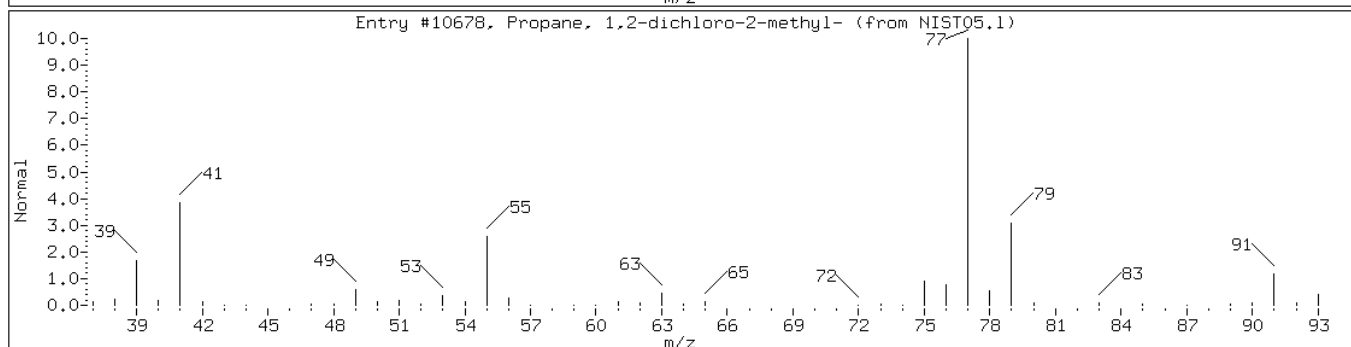
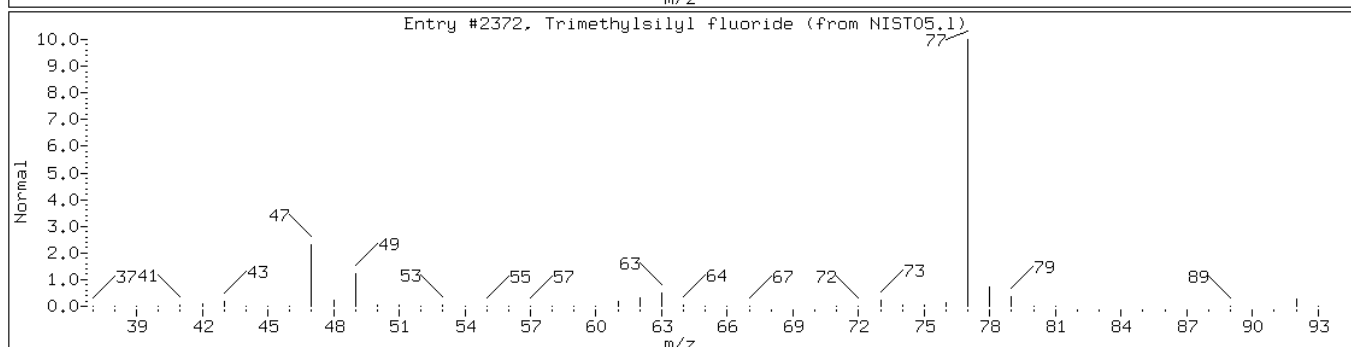
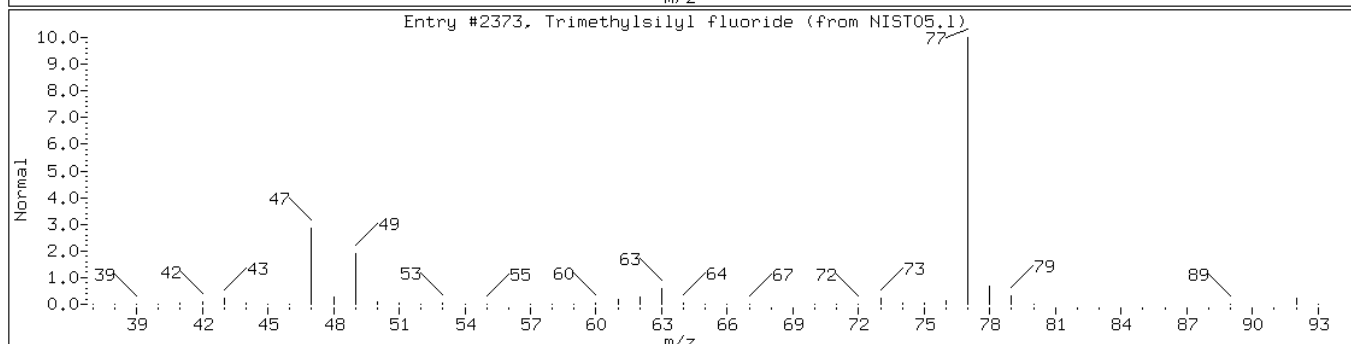
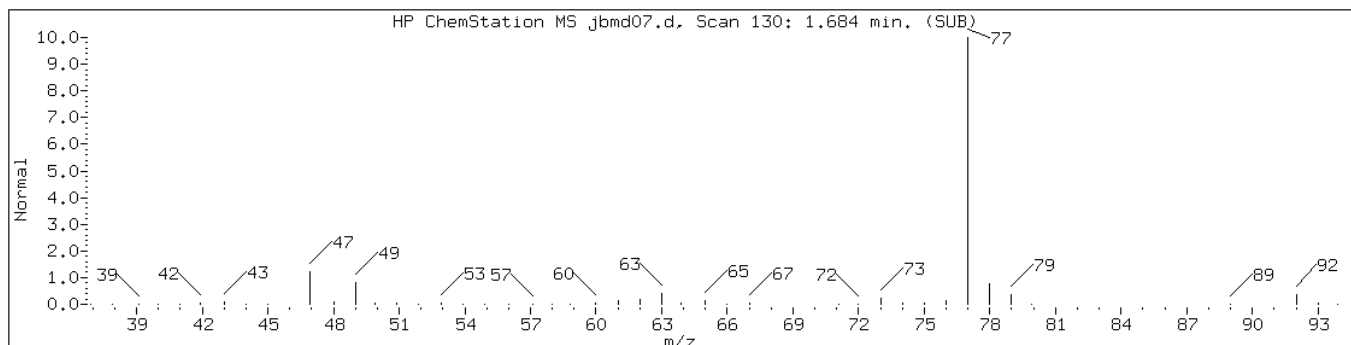
Date: 23-SEP-2010 17:54

Instrument: J.i

Operator: JH2

Retention Time: 1.68

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	91	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	91	C3H9FSi	92
Propane, 1,2-dichloro-2-methyl-	594-37-6	NIST05.1	10678	38	C4H8Cl2	126



Data File: jbm07.d

Lab Sample ID: 200-1636-3

Date: 23-SEP-2010 17:54

Client ID: ISCO-MW3

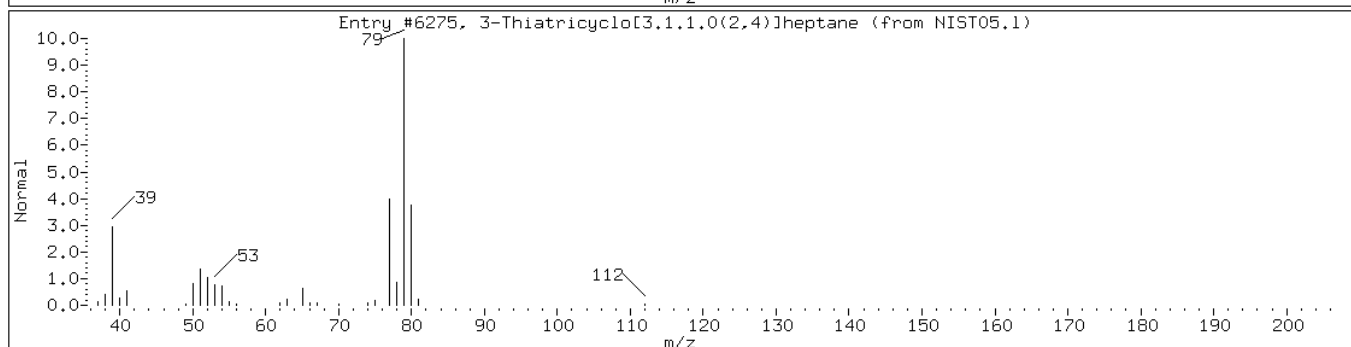
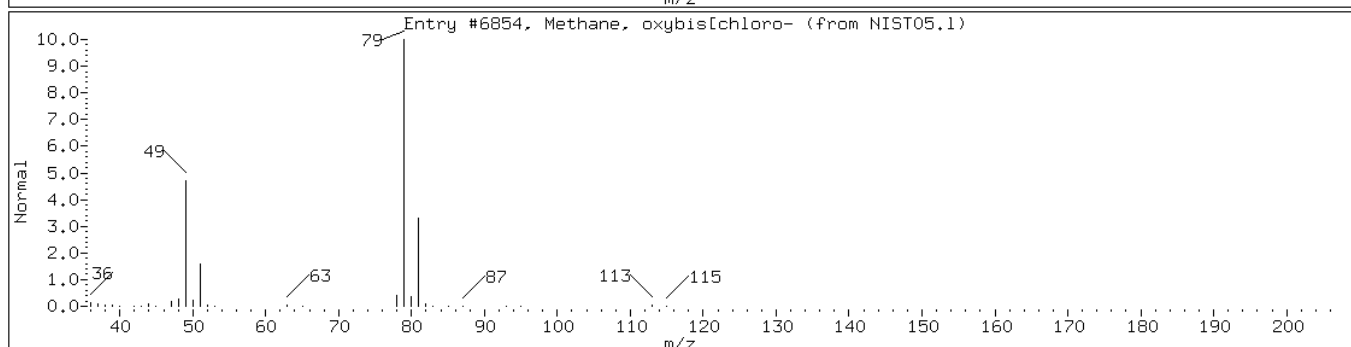
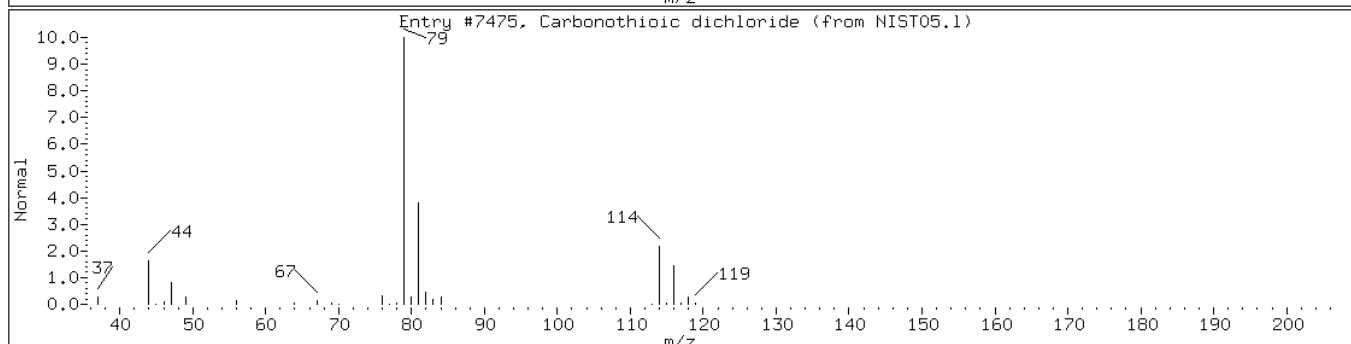
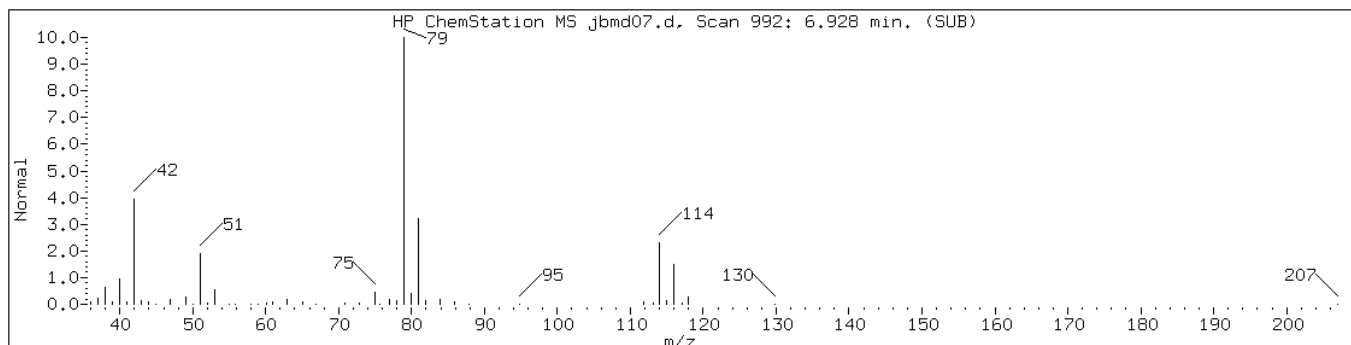
Instrument: J.i

Sample Info: 200-1636-B-3

Operator: JH2

Retention Time: 6.93

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.1	6275	32	C6H8S	112



Data File: jbm07.d

Lab Sample ID: 200-1636-3

Client ID: ISCO-MW3

Sample Info: 200-1636-B-3

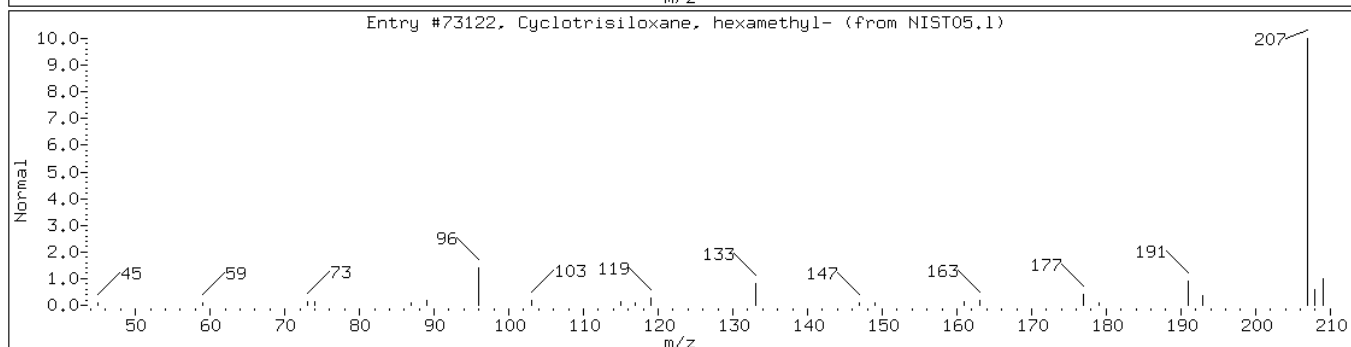
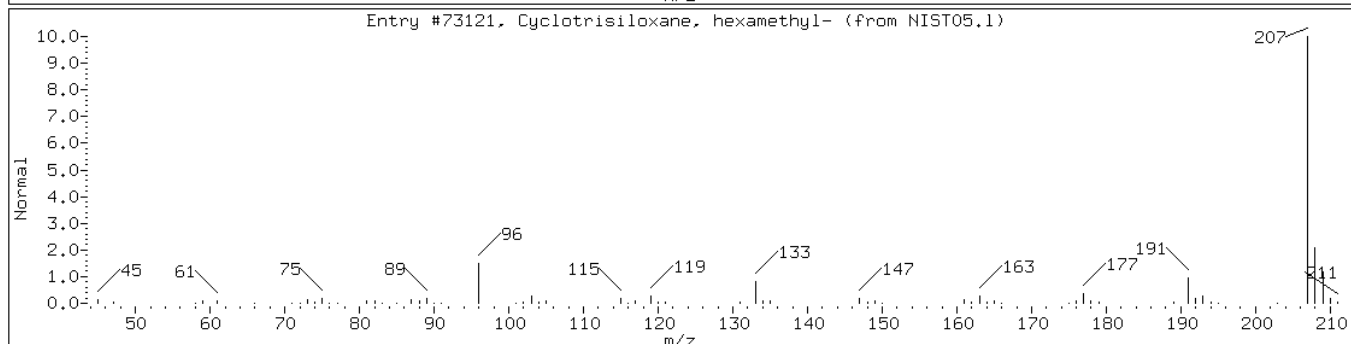
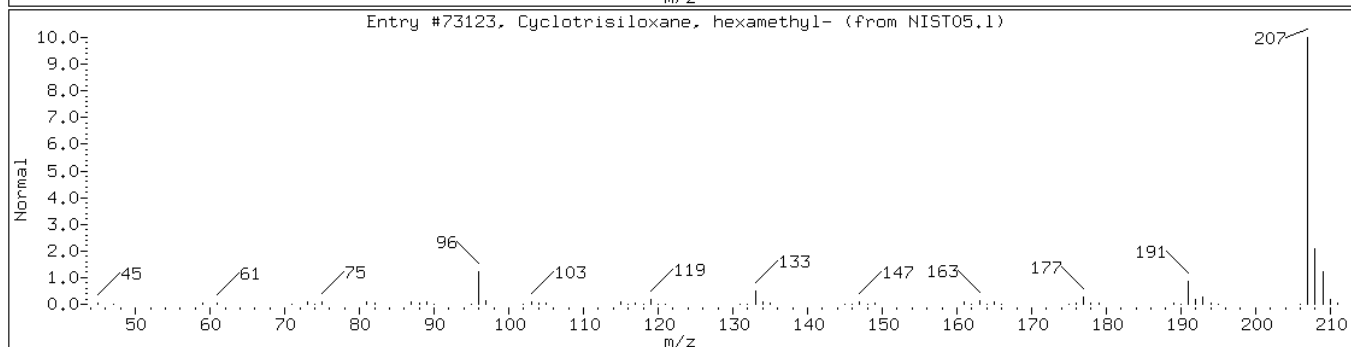
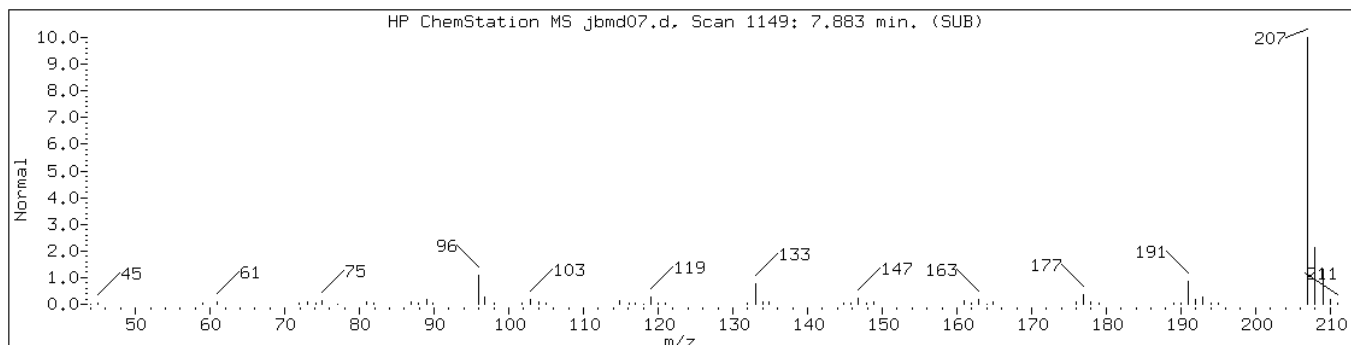
Date: 23-SEP-2010 17:54

Instrument: J.i

Operator: JH2

Retention Time: 7.88

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	91	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	87	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	72	C ₆ H ₁₈ O ₃ Si ₃	222



Data File: jbm07.d

Lab Sample ID: 200-1636-3

Date: 23-SEP-2010 17:54

Client ID: ISCO-MW3

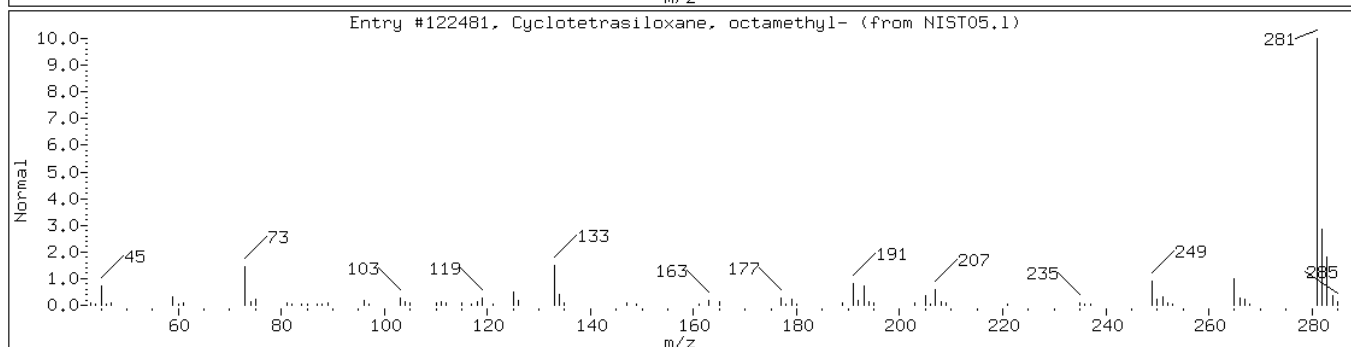
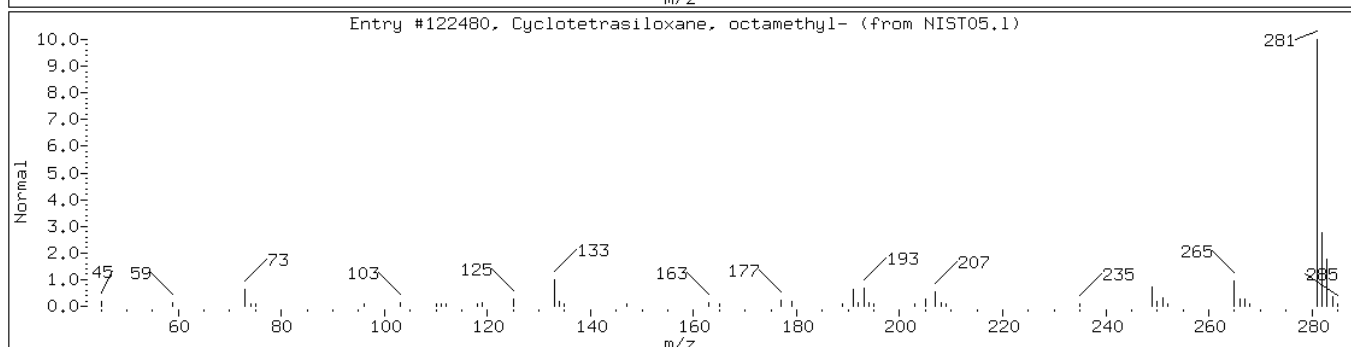
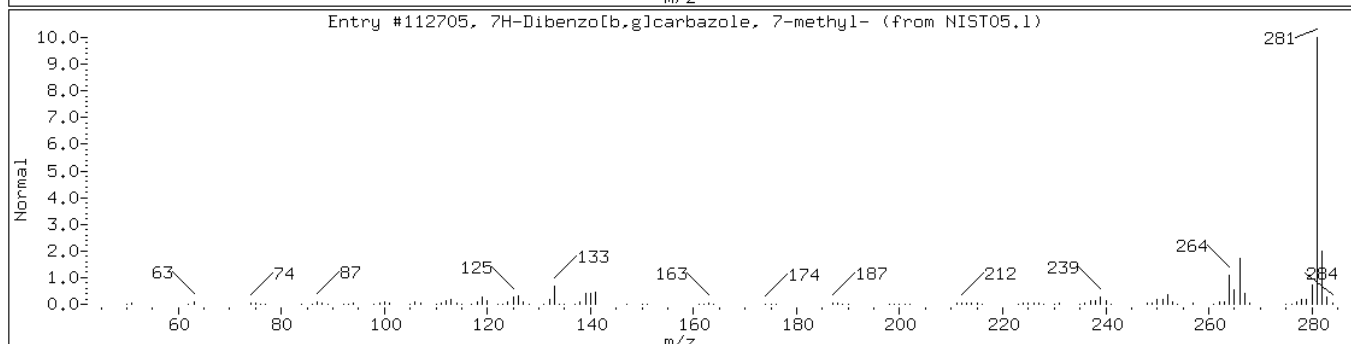
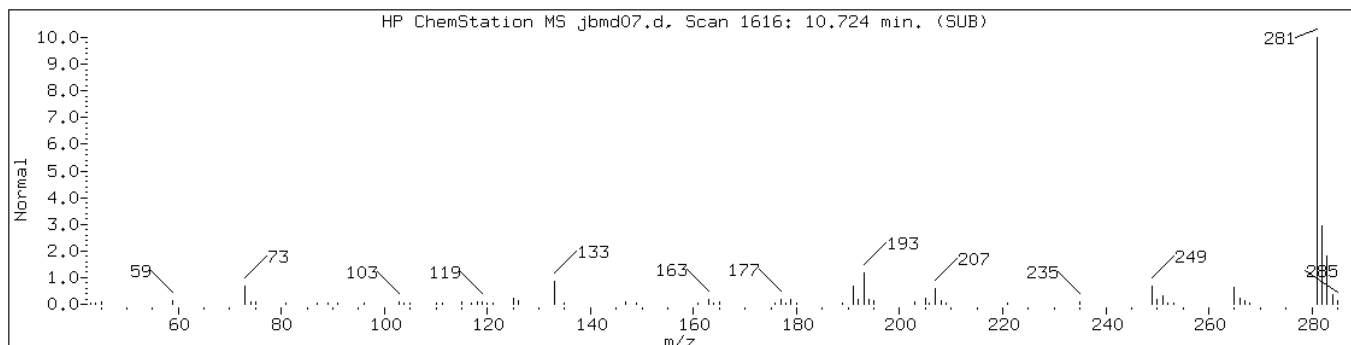
Instrument: J.i

Sample Info: 200-1636-B-3

Operator: JH2

Retention Time: 10.72

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	NIST05.1	112705	59	C ₂₁ H ₁₅ N	281
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122480	49	C ₈ H ₂₄ O ₄ Si ₄	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122481	43	C ₈ H ₂₄ O ₄ Si ₄	296



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: ISCO-MW3 DL Lab Sample ID: 200-1636-3 DL
 Matrix: Water Lab File ID: jbmcl5.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 16:30
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 12:55
 Soil Aliquot Vol: Dilution Factor: 36.7
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 6993 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	18	U	18	0.92
74-87-3	Chloromethane	18	U	18	3.6
75-01-4	Vinyl chloride	18	U	18	1.8
74-83-9	Bromomethane	18	U	18	1.8
75-00-3	Chloroethane	18	U	18	2.5
75-69-4	Trichlorofluoromethane	18	U	18	1.9
75-35-4	1,1-Dichloroethene	18	U	18	1.4
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	18	U	18	1.1
67-64-1	Acetone	240	D B	180	34
75-15-0	Carbon disulfide	18	U	18	2.2
79-20-9	Methyl acetate	18	U	18	2.8
75-09-2	Methylene chloride	18	U	18	2.2
156-60-5	trans-1,2-Dichloroethene	18	U	18	0.66
1634-04-4	Methyl tert-butyl ether	18	U	18	1.2
75-34-3	1,1-Dichloroethane	18	U	18	1.9
156-59-2	cis-1,2-Dichloroethene	18	U	18	1.9
78-93-3	2-Butanone	180	U	180	22
74-97-5	Bromochloromethane	18	U	18	2.6
67-66-3	Chloroform	18	U	18	1.7
71-55-6	1,1,1-Trichloroethane	18	U	18	1.0
110-82-7	Cyclohexane	18	U	18	1.5
56-23-5	Carbon tetrachloride	18	U	18	1.4
71-43-2	Benzene	18	U	18	1.1
107-06-2	1,2-Dichloroethane	18	U	18	2.1
79-01-6	Trichloroethene	550	D	18	2.0
108-87-2	Methylcyclohexane	18	U	18	1.8
78-87-5	1,2-Dichloropropane	18	U	18	1.9
75-27-4	Bromodichloromethane	18	U	18	1.6
10061-01-5	cis-1,3-Dichloropropene	18	U	18	1.3
108-10-1	4-Methyl-2-pentanone	180	U	180	13
108-88-3	Toluene	18	U	18	1.1
10061-02-6	trans-1,3-Dichloropropene	18	U	18	1.1
79-00-5	1,1,2-Trichloroethane	18	U	18	2.7
127-18-4	Tetrachloroethene	4.2	J D	18	1.9
591-78-6	2-Hexanone	180	U	180	11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: ISCO-MW3 DL Lab Sample ID: 200-1636-3 DL
 Matrix: Water Lab File ID: jbmcl5.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 16:30
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 12:55
 Soil Aliquot Vol: Dilution Factor: 36.7
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 6993 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	18	U	18	1.7
106-93-4	1,2-Dibromoethane	18	U	18	7.3
108-90-7	Chlorobenzene	18	U	18	1.4
100-41-4	Ethylbenzene	18	U	18	1.8
95-47-6	o-Xylene	18	U	18	1.5
179601-23-1	m,p-Xylene	18	U	18	1.2
100-42-5	Styrene	18	U	18	2.1
75-25-2	Bromoform	18	U	18	2.4
98-82-8	Isopropylbenzene	18	U	18	1.6
79-34-5	1,1,2,2-Tetrachloroethane	18	U	18	2.9
541-73-1	1,3-Dichlorobenzene	18	U	18	1.5
106-46-7	1,4-Dichlorobenzene	18	U	18	1.3
95-50-1	1,2-Dichlorobenzene	18	U	18	1.9
96-12-8	1,2-Dibromo-3-chloropropane	18	U	18	9.2
120-82-1	1,2,4-Trichlorobenzene	18	U	18	1.7
87-61-6	1,2,3-Trichlorobenzene	18	U	18	1.1

CAS NO.	SURROGATE	%REC	LIMITS	Q
6745-35-3	Vinyl chloride-d3	101	65-131	
19199-91-8	Chloroethane-d5	102	71-131	
22280-73-5	1,1-Dichloroethene-d2	78	55-104	
24313-50-6	2-Butanone-d5	106	49-155	
865-49-6	Chloroform-d	104	78-121	
17060-07-0	1,2-Dichloroethane-d4	109	78-129	
1076-43-3	Benzene-d6	106	77-124	
93952-08-0	1,2-Dichloropropane-d6	97	79-124	
2037-26-5	Toluene-d8	104	77-121	
93951-86-1	trans-1,3-Dichloropropene-d4	103	73-121	
4840-82-8	2-Hexanone-d5	102	28-135	
33685-54-0	1,1,2,2-Tetrachloroethane-d2	103	73-125	
2199-69-1	1,2-Dichlorobenzene-d4	108	80-131	

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: ISCO-MW3 DL Lab Sample ID: 200-1636-3 DL
Matrix: Water Lab File ID: jbmcl5.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 16:30
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 12:55
Soil Aliquot Vol: _____ Dilution Factor: 36.7
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 6993 Units: ug/L
Number TICs Found: 2 TIC Result Total: 121

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	6.93	100	B X D J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	21	B D J N

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: ISCO-MW3 DL Lab Sample ID: 200-1636-3 DL
Matrix: Water Lab File ID: jbmcl5.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/18/2010 16:30
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 12:55
Soil Aliquot Vol: _____ Dilution Factor: 36.7
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 6993 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	<i>Total Alkanes</i>			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-3
Client Smp ID: ISCO-MW3
Inj Date : 23-SEP-2010 12:55
Operator : JH2
Smp Info : 200-1636-B-3
Misc Info : 36.7,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmcsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 13:23 cmp
Cal Date : 21-SEP-2010 17:24
Als bottle: 29
Dil Factor: 36.70000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	36.70000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85					Compound Not Detected.		
2 Chloromethane	50					Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65		1.563	1.562	(0.280)	255528	125.710	5.0
4 Vinyl chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chloroethane-d5	69		1.861	1.861	(0.333)	212566	127.618	5.1
7 Chloroethane	64					Compound Not Detected.		
8 Trichlorofluoromethane	101					Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63		2.475	2.481	(0.443)	313621	97.4870	3.9
10 1,1-Dichloroethene	96					Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.		
12 Acetone	43		2.536	2.536	(0.454)	12838	164.013	240
13 Carbon disulfide	76					Compound Not Detected.		
14 Methyl acetate	43					Compound Not Detected.		
15 Methylene chloride	84					Compound Not Detected.		

							CONCENTRATIONS		
		QUANT	SIG				ON-COLUMN	FINAL	
Compounds		MASS		RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
=====		=====		==	=====	=====	=====	=====	=====
	16 trans-1,2-Dichloroethene	96		Compound	Not	Detected.			
	17 Methyl tert-butyl ether	73		Compound	Not	Detected.			
	18 1,1-Dichloroethane	63		Compound	Not	Detected.			
\$	19 2-Butanone-d5	46		4.148	4.148	(0.742)	158861	1320.71	53
	20 cis-1,2-Dichloroethene	96		Compound	Not	Detected.			
	21 2-Butanone	43		Compound	Not	Detected.			
	22 Bromochloromethane	128		Compound	Not	Detected.			
\$	23 Chloroform-d	84		4.525	4.525	(0.810)	377215	129.422	5.2(Q)
	24 Chloroform	83		Compound	Not	Detected.			
	25 1,1,1-Trichloroethane	97		Compound	Not	Detected.			
	26 Cyclohexane	56		Compound	Not	Detected.			
	27 Carbon tetrachloride	117		Compound	Not	Detected.			
\$	28 1,2-Dichloroethane-d4	65		5.097	5.097	(0.912)	127415	136.754	5.5
\$	29 Benzene-d6	84		5.109	5.109	(0.569)	863195	133.036	5.3
	30 Benzene	78		Compound	Not	Detected.			
	31 1,2-Dichloroethane	62		Compound	Not	Detected.			
*	32 1,4-Difluorobenzene	114		5.590	5.590	(1.000)	759341	125.000	
	33 Trichloroethene	95		5.882	5.882	(0.656)	716040	371.416	550
\$	34 1,2-Dichloropropane-d6	67		6.034	6.034	(0.672)	206519	120.687	4.8
	35 Methylcyclohexane	55		Compound	Not	Detected.			
	36 1,2-Dichloropropane	63		Compound	Not	Detected.			
	37 Bromodichloromethane	83		Compound	Not	Detected.			
	38 cis-1,3-Dichloropropene	75		Compound	Not	Detected.			
	39 4-Methyl-2-pentanone	43		Compound	Not	Detected.			
\$	40 Toluene-d8	98		7.275	7.275	(0.811)	830197	130.171	5.2
	41 Toluene	91		Compound	Not	Detected.			
\$	42 trans-1,3-Dichloropropene-d4	79		7.591	7.591	(0.846)	152429	128.962	5.2
	43 trans-1,3-Dichloropropene	75		Compound	Not	Detected.			
	44 1,1,2-Trichloroethane	97		Compound	Not	Detected.			
	45 Tetrachloroethene	164		7.987	7.987	(0.890)	4956	2.87055	4.2
\$	46 2-Hexanone-d5	63		8.090	8.090	(0.902)	143272	1279.30	51
	47 2-Hexanone	43		Compound	Not	Detected.			
	48 Dibromochloromethane	129		Compound	Not	Detected.			
	49 1,2-Dibromoethane	107		Compound	Not	Detected.			
*	50 Chlorobenzene-d5	117		8.972	8.972	(1.000)	575336	125.000	
	51 Chlorobenzene	112		Compound	Not	Detected.			
	52 Ethylbenzene	91		Compound	Not	Detected.			
	53 m,p-Xylene	106		Compound	Not	Detected.			
	54 Styrene	104		Compound	Not	Detected.			
	55 o-Xylene	106		Compound	Not	Detected.			
	56 Bromoform	172		Compound	Not	Detected.			
	57 Isopropylbenzene	105		Compound	Not	Detected.			
\$	58 1,1,2,2-Tetrachloroethane-d2	84		10.566	10.560	(1.178)	68945	129.107	5.2
	59 1,1,2,2-Tetrachloroethane	83		Compound	Not	Detected.			
	60 1,3-Dichlorobenzene	146		Compound	Not	Detected.			
*	61 1,4-Dichlorobenzene-d4	152		11.807	11.801	(1.000)	247569	125.000	
	62 1,4-Dichlorobenzene	146		Compound	Not	Detected.			

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	184404	135.002	5.4
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-3
Client Smp ID: ISCO-MW3
Inj Date : 23-SEP-2010 12:55
Operator : JH2
Smp Info : 200-1636-B-3
Misc Info : 36.7,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmcsmttr.b/somtr5t.m
Meth Date : 24-Sep-2010 13:23 cmp
Cal Date : 21-SEP-2010 17:24
Als bottle: 29
Dil Factor: 36.70000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	36.70000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

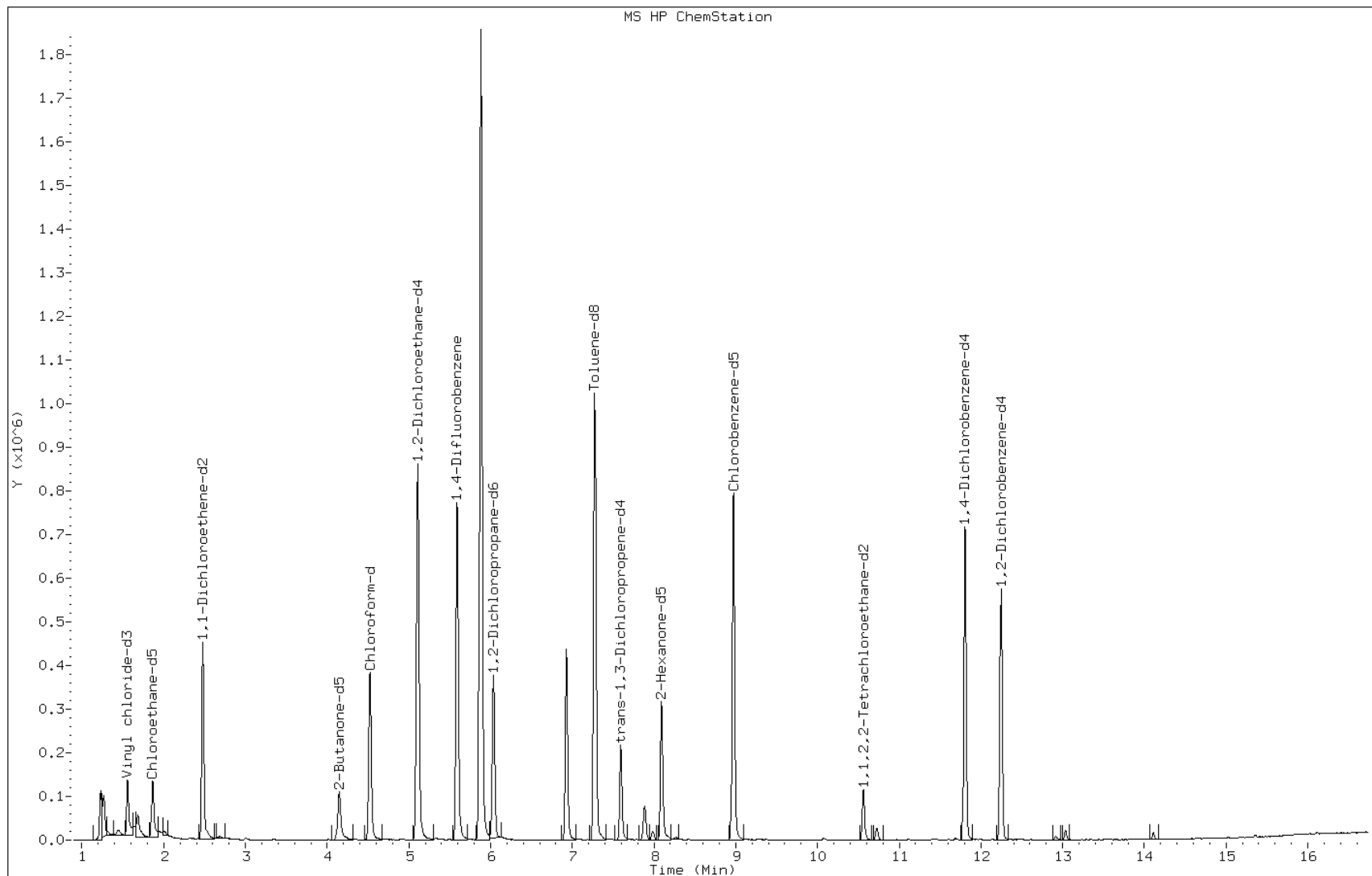
Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.590	1676409	125.000
* 50 Chlorobenzene-d5	8.972	1647333	125.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
6.928	910440	67.8861371	100	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.883	186303	14.1367332	21	90	NIST05.1	73123	50

Data File: jbmcl5.d
Client ID: ISCO-MW3
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 200-1636-B-3
Lab Sample ID: 200-1636-3

Date: 23-SEP-2010 12:55
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



Data File: jbmcl5.d

Lab Sample ID: 200-1636-3

Date: 23-SEP-2010 12:55

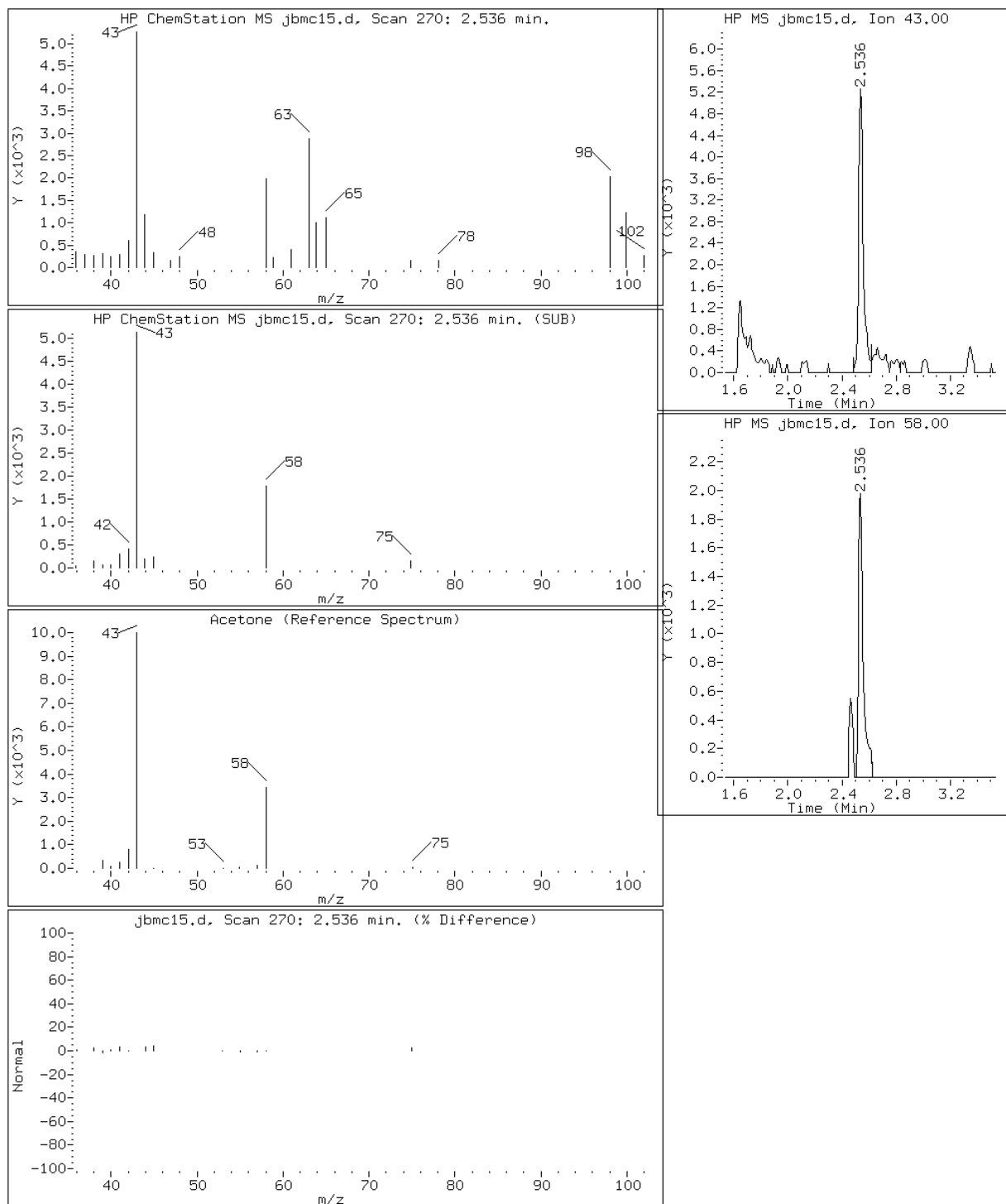
Client ID: ISCO-MW3

Instrument: J.i

Sample Info: 200-1636-B-3

Operator: JH2

12 Acetone



Data File: jbmcl5.d

Lab Sample ID: 200-1636-3

Date: 23-SEP-2010 12:55

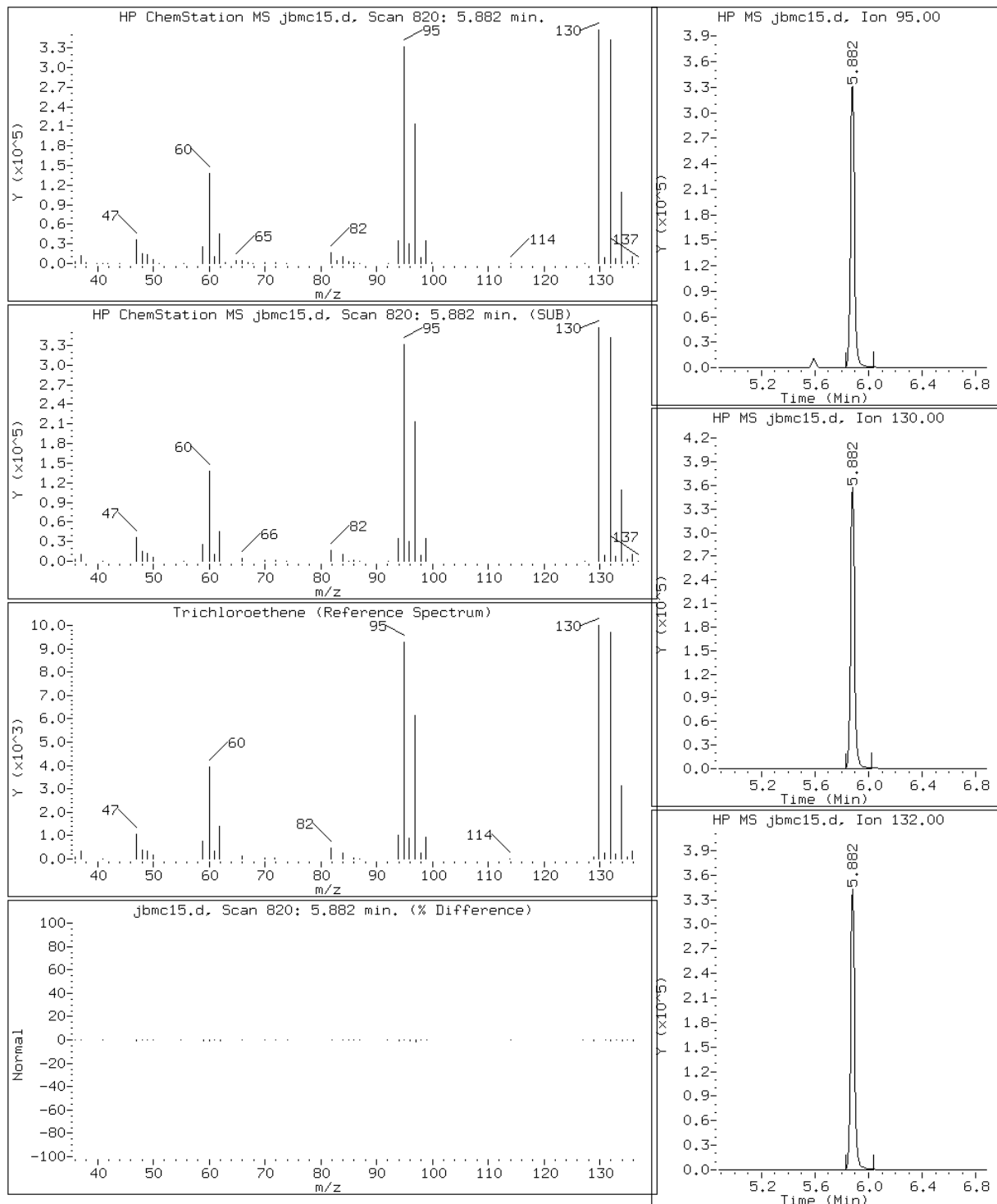
Client ID: ISCO-MW3

Instrument: J.i

Sample Info: 200-1636-B-3

Operator: JH2

33 Trichloroethene



Data File: jbmcl5.d

Lab Sample ID: 200-1636-3

Date: 23-SEP-2010 12:55

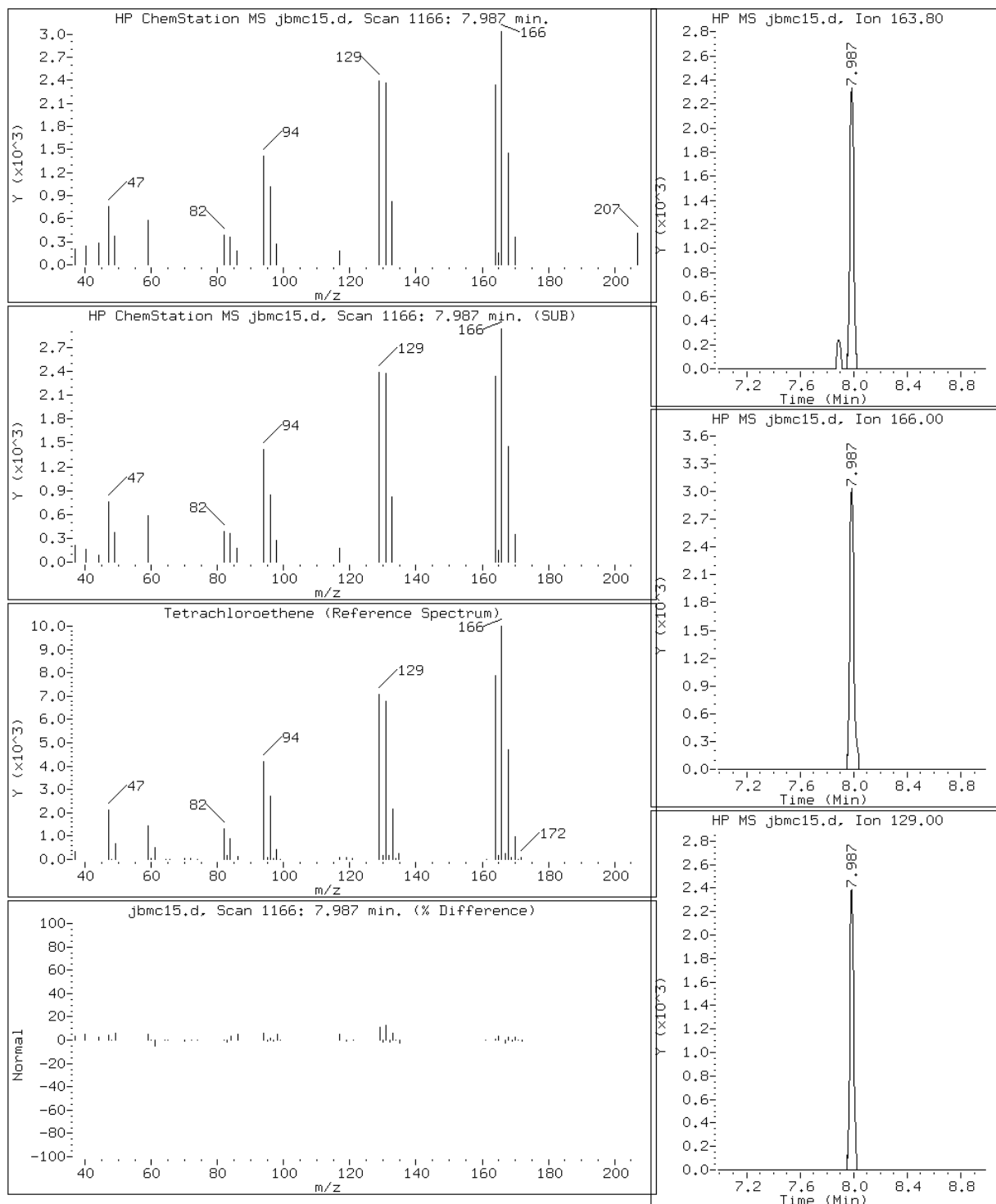
Client ID: ISCO-MW3

Instrument: J.i

Sample Info: 200-1636-B-3

Operator: JH2

45 Tetrachloroethene



Data File: jbmcl5.d

Lab Sample ID: 200-1636-3

Date: 23-SEP-2010 12:55

Client ID: ISCO-MW3

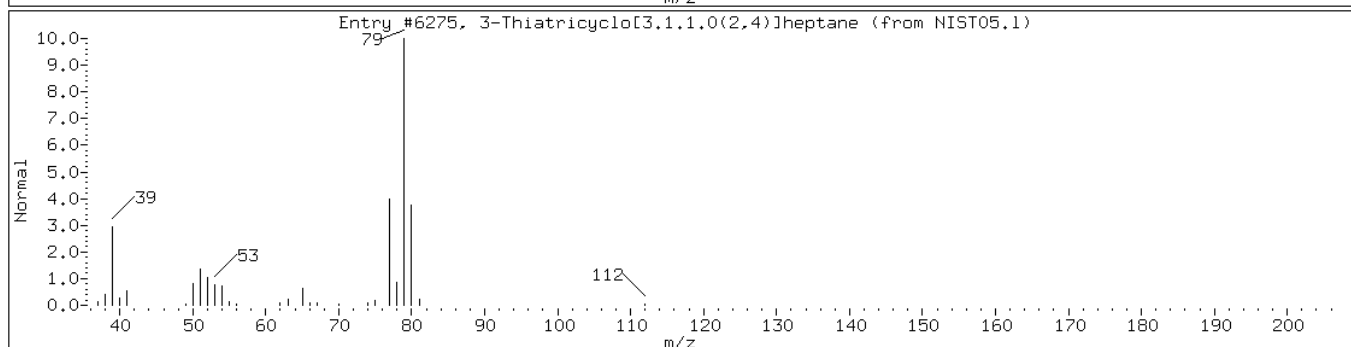
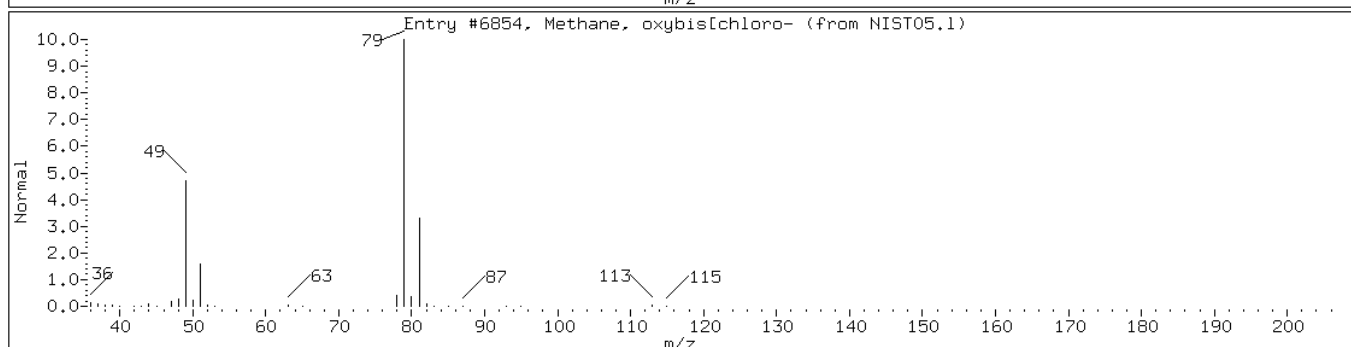
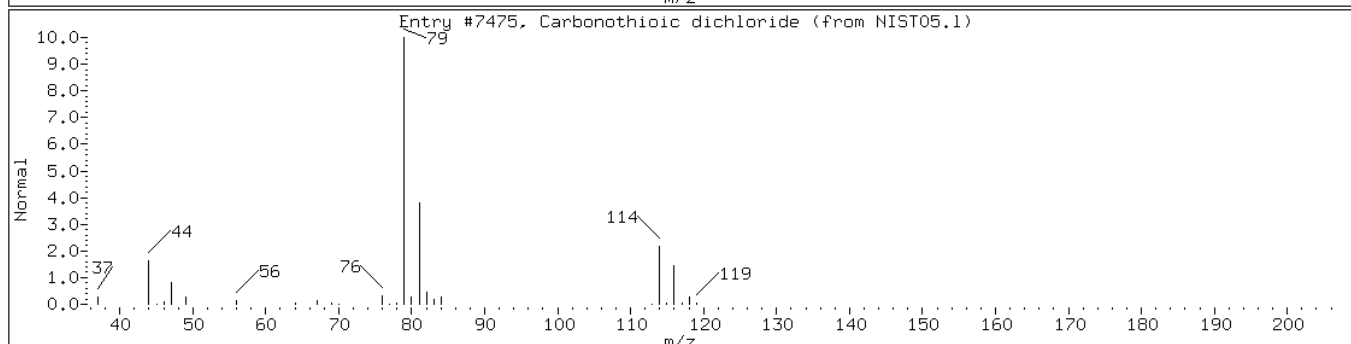
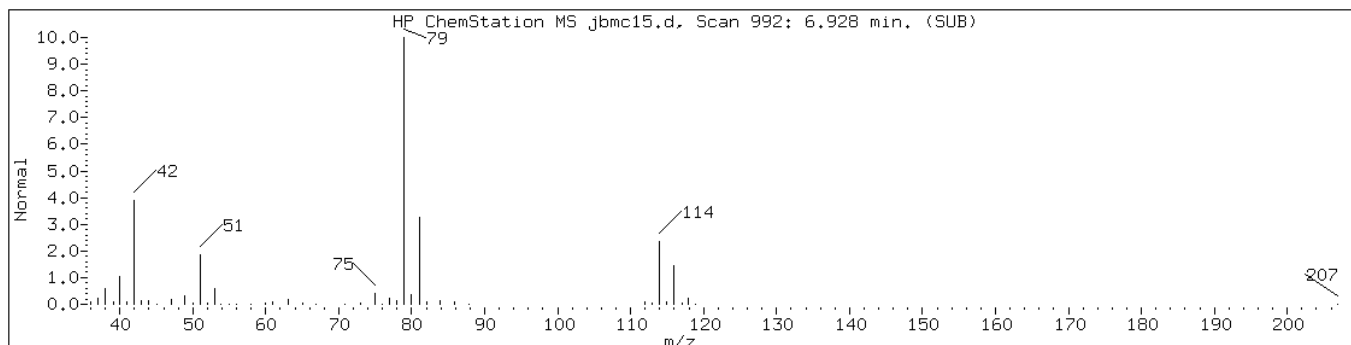
Instrument: J.i

Sample Info: 200-1636-B-3

Operator: JH2

Retention Time: 6.93

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	50	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.1	6275	32	C6H8S	112



Data File: jbmcl5.d

Lab Sample ID: 200-1636-3

Client ID: ISCO-MW3

Sample Info: 200-1636-B-3

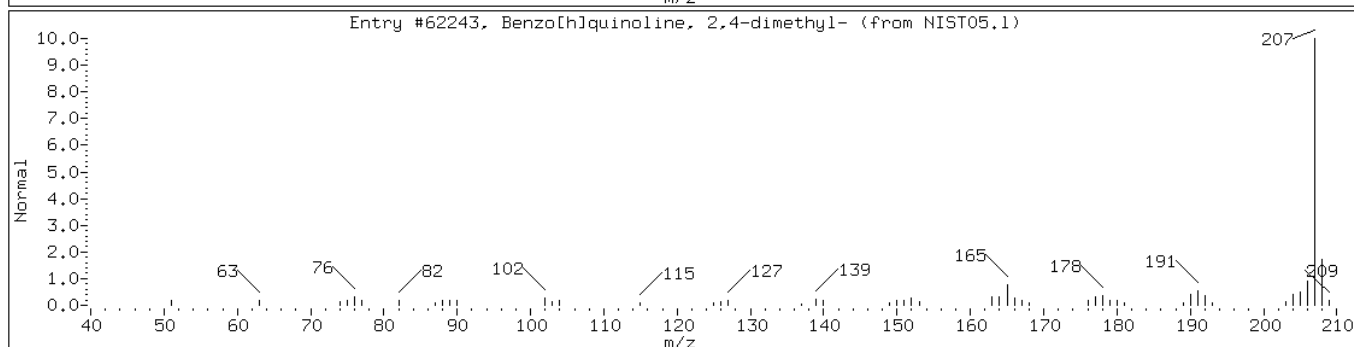
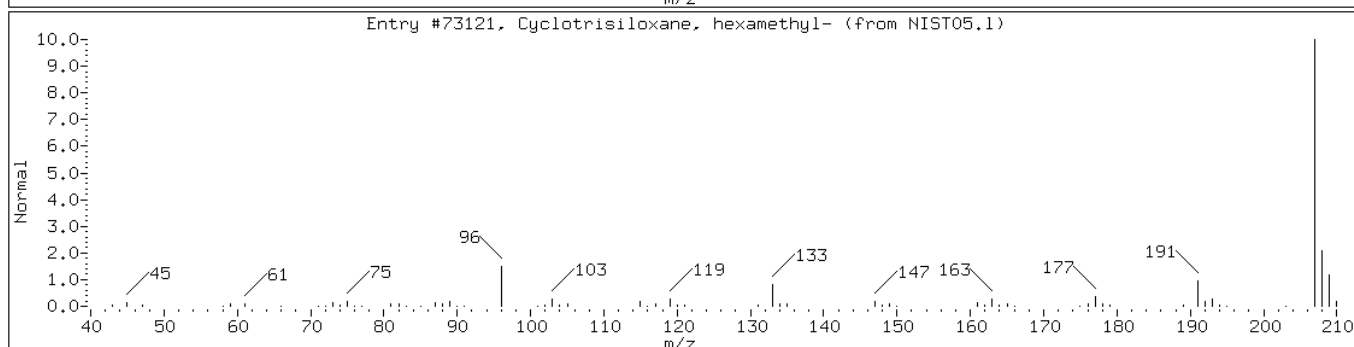
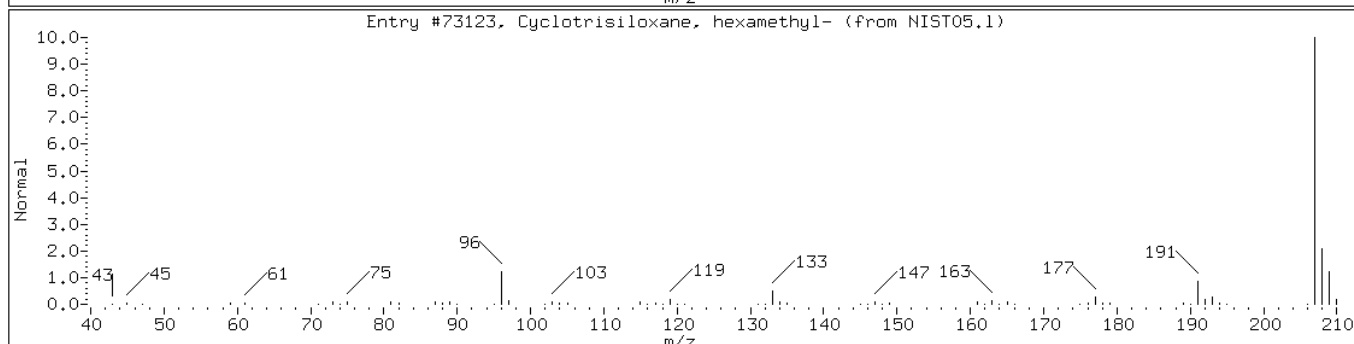
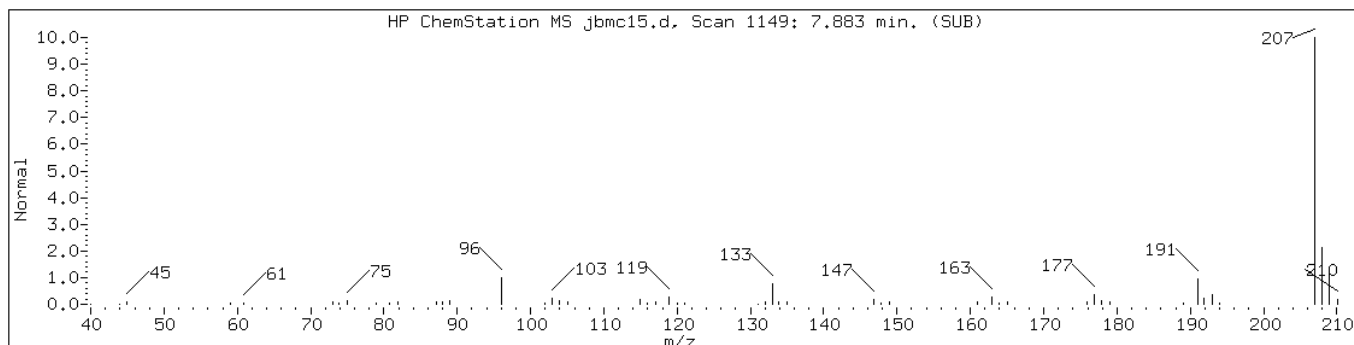
Date: 23-SEP-2010 12:55

Instrument: J.i

Operator: JH2

Retention Time: 7.88

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	90	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	86	C ₆ H ₁₈ O ₃ Si ₃	222
Benzo[h]quinoline, 2,4-dimethyl-	605-67-4	NIST05.1	62243	58	C ₁₅ H ₁₃ N	207



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: ISCO-MW4 Lab Sample ID: 200-1636-4
 Matrix: Water Lab File ID: jbm09.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/19/2010 12:10
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 18:49
 Soil Aliquot Vol: Dilution Factor: 4
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	2.0	U	2.0	0.10
74-87-3	Chloromethane	2.0	U	2.0	0.39
75-01-4	Vinyl chloride	2.0	U	2.0	0.20
74-83-9	Bromomethane	2.0	U	2.0	0.20
75-00-3	Chloroethane	2.0	U	2.0	0.28
75-69-4	Trichlorofluoromethane	2.0	U	2.0	0.21
75-35-4	1,1-Dichloroethene	2.0	U	2.0	0.15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.12
67-64-1	Acetone	11	J B	20	3.7
75-15-0	Carbon disulfide	2.0	U	2.0	0.24
79-20-9	Methyl acetate	2.0	U	2.0	0.30
75-09-2	Methylene chloride	2.0	U	2.0	0.24
156-60-5	trans-1,2-Dichloroethene	2.0	U	2.0	0.072
1634-04-4	Methyl tert-butyl ether	0.54	J	2.0	0.13
75-34-3	1,1-Dichloroethane	2.0	U	2.0	0.21
156-59-2	cis-1,2-Dichloroethene	0.83	J	2.0	0.21
78-93-3	2-Butanone	20	U	20	2.4
74-97-5	Bromochloromethane	2.0	U	2.0	0.29
67-66-3	Chloroform	2.0	U	2.0	0.19
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.11
110-82-7	Cyclohexane	2.0	U	2.0	0.16
56-23-5	Carbon tetrachloride	2.0	U	2.0	0.15
71-43-2	Benzene	2.0	U	2.0	0.12
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.23
79-01-6	Trichloroethene	730	E	2.0	0.22
108-87-2	Methylcyclohexane	2.0	U	2.0	0.20
78-87-5	1,2-Dichloropropane	2.0	U	2.0	0.21
75-27-4	Bromodichloromethane	2.0	U	2.0	0.17
10061-01-5	cis-1,3-Dichloropropene	2.0	U	2.0	0.14
108-10-1	4-Methyl-2-pentanone	20	U	20	1.4
108-88-3	Toluene	2.0	U	2.0	0.12
10061-02-6	trans-1,3-Dichloropropene	2.0	U	2.0	0.12
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.29
127-18-4	Tetrachloroethene	8.7		2.0	0.20
591-78-6	2-Hexanone	20	U	20	1.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: ISCO-MW4 Lab Sample ID: 200-1636-4
 Matrix: Water Lab File ID: jbmd09.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/19/2010 12:10
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 18:49
 Soil Aliquot Vol: Dilution Factor: 4
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	2.0	U	2.0	0.19
106-93-4	1,2-Dibromoethane	2.0	U	2.0	0.80
108-90-7	Chlorobenzene	2.0	U	2.0	0.16
100-41-4	Ethylbenzene	2.0	U	2.0	0.20
95-47-6	o-Xylene	2.0	U	2.0	0.16
179601-23-1	m,p-Xylene	2.0	U	2.0	0.13
100-42-5	Styrene	2.0	U	2.0	0.23
75-25-2	Bromoform	2.0	U	2.0	0.26
98-82-8	Isopropylbenzene	2.0	U	2.0	0.18
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.32
541-73-1	1,3-Dichlorobenzene	2.0	U	2.0	0.17
106-46-7	1,4-Dichlorobenzene	2.0	U	2.0	0.14
95-50-1	1,2-Dichlorobenzene	2.0	U	2.0	0.20
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U	2.0	1.0
120-82-1	1,2,4-Trichlorobenzene	2.0	U	2.0	0.19
87-61-6	1,2,3-Trichlorobenzene	2.0	U	2.0	0.12

CAS NO.	SURROGATE	%REC	LIMITS	Q
6745-35-3	Vinyl chloride-d3	97	65-131	
19199-91-8	Chloroethane-d5	105	71-131	
22280-73-5	1,1-Dichloroethene-d2	79	55-104	
24313-50-6	2-Butanone-d5	105	49-155	
865-49-6	Chloroform-d	103	78-121	
17060-07-0	1,2-Dichloroethane-d4	109	78-129	
1076-43-3	Benzene-d6	108	77-124	
93952-08-0	1,2-Dichloropropane-d6	97	79-124	
2037-26-5	Toluene-d8	106	77-121	
93951-86-1	trans-1,3-Dichloropropene-d4	99	73-121	
4840-82-8	2-Hexanone-d5	104	28-135	
33685-54-0	1,1,2,2-Tetrachloroethane-d2	109	73-125	
2199-69-1	1,2-Dichlorobenzene-d4	111	80-131	

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: ISCO-MW4 Lab Sample ID: 200-1636-4
Matrix: Water Lab File ID: jbmd09.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/19/2010 12:10
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 18:49
Soil Aliquot Vol: _____ Dilution Factor: 4
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 7052 Units: ug/L
Number TICs Found: 4 TIC Result Total: 28.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	1.68	8.6	B J
	Unknown	6.93	11	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	4.6	B J N
	Unknown siloxane derivative	10.73	4.1	B J

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: ISCO-MW4 Lab Sample ID: 200-1636-4
Matrix: Water Lab File ID: jbmd09.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/19/2010 12:10
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 18:49
Soil Aliquot Vol: _____ Dilution Factor: 4
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-4
Client Smp ID: ISCO-MW4
Inj Date : 23-SEP-2010 18:49
Operator : JH2
Smp Info : 200-1636-B-4
Misc Info : 4,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2
Cal Date : 21-SEP-2010 17:24
Als bottle: 23
Dil Factor: 4.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	4.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

						CONCENTRATIONS		
		QUANT SIG					ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)	
=====	=====	==	=====	=====	=====	=====	=====	
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	Compound Not Detected.						
\$ 3 Vinyl chloride-d3	65	1.563	1.563	(0.279)	241409	121.411	4.9	
4 Vinyl chloride	62	Compound Not Detected.						
5 Bromomethane	94	Compound Not Detected.						
\$ 6 Chloroethane-d5	69	1.861	1.867	(0.332)	214004	131.345	5.3	
7 Chloroethane	64	Compound Not Detected.						
8 Trichlorofluoromethane	101	Compound Not Detected.						
\$ 9 1,1-Dichloroethene-d2	63	2.481	2.481	(0.443)	311432	98.9647	4.0(Q)	
10 1,1-Dichloroethene	96	Compound Not Detected.						
11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.						
12 Acetone	43	2.542	2.536	(0.454)	5250	68.5669	11	
13 Carbon disulfide	76	Compound Not Detected.						
14 Methyl acetate	43	Compound Not Detected.						
15 Methylene chloride	84	Compound Not Detected.						

						CONCENTRATIONS		
		QUANT	SIG			ON-COLUMN	FINAL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
=====		====	==	=====	=====	=====	=====	=====
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	17 Methyl tert-butyl ether	73	3.156	3.156	(0.564)	6526	3.37921	0.54
	18 1,1-Dichloroethane	63	Compound Not Detected.					
\$	19 2-Butanone-d5	46	4.154	4.148	(0.742)	154788	1315.53	53
	20 cis-1,2-Dichloroethene	96	4.191	4.191	(0.749)	8849	5.16528	0.83
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
\$	23 Chloroform-d	84	4.525	4.525	(0.809)	368818	129.362	5.2(Q)
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
\$	28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.911)	123675	135.699	5.4
\$	29 Benzene-d6	84	5.109	5.109	(0.569)	862903	134.442	5.4
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.596	5.590	(1.000)	742782	125.000	
	33 Trichloroethene	95	5.882	5.882	(0.656)	8730975	4578.26	730(A)
\$	34 1,2-Dichloropropane-d6	67	6.040	6.040	(0.673)	204730	120.947	4.8
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	39 4-Methyl-2-pentanone	43	Compound Not Detected.					
\$	40 Toluene-d8	98	7.275	7.275	(0.811)	839050	132.995	5.3
	41 Toluene	91	Compound Not Detected.					
\$	42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)	144231	123.358	4.9
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	7.987	7.987	(0.890)	93338	54.6521	8.7
\$	46 2-Hexanone-d5	63	8.090	8.090	(0.902)	143330	1293.79	52
	47 2-Hexanone	43	Compound Not Detected.					
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	569124	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	Compound Not Detected.					
	53 m,p-Xylene	106	Compound Not Detected.					
	54 Styrene	104	Compound Not Detected.					
	55 o-Xylene	106	Compound Not Detected.					
	56 Bromoform	172	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
\$	58 1,1,2,2-Tetrachloroethane-d2	84	10.566	10.560	(1.178)	71772	135.868	5.4
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.807	11.807	(1.000)	244962	125.000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	187062	138.405	5.5
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-4
Client Smp ID: ISCO-MW4
Inj Date : 23-SEP-2010 18:49
Operator : JH2
Smp Info : 200-1636-B-4
Misc Info : 4,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmndsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2
Cal Date : 21-SEP-2010 17:24
Als bottle: 23
Dil Factor: 4.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	4.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

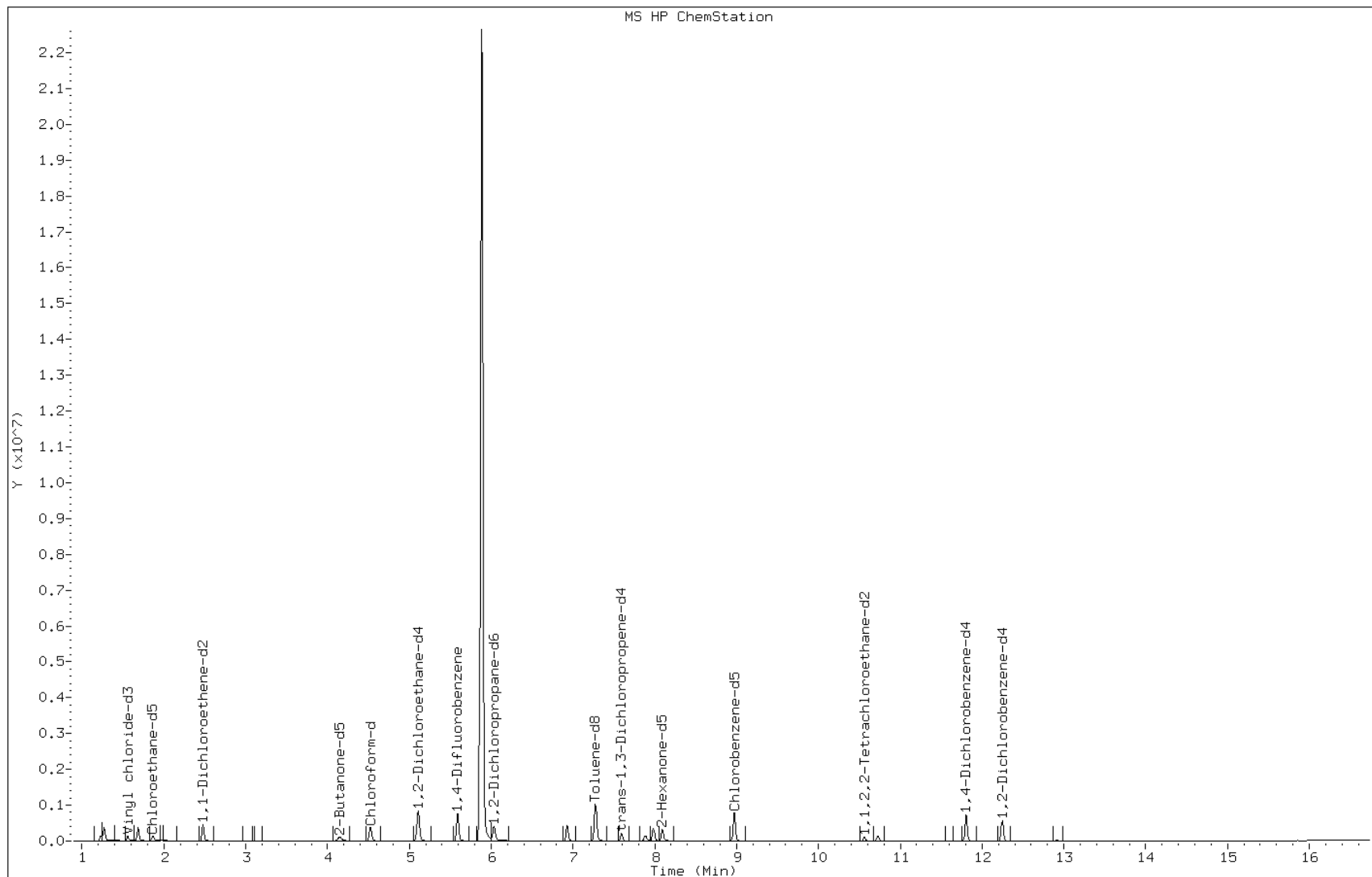
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.596	1634953	125.000
* 50 Chlorobenzene-d5	8.972	1635552	125.000
* 61 1,4-Dichlorobenzene-d4	11.807	1392581	125.000

RT	AREA	CONCENTRATIONS		QUAL	LIBRARY	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)			LIB ENTRY		
=====	=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:			
1.684	702769	53.7300332	8.6	0		0		32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
6.928	891769	68.1800139	11	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.883	376326	28.7613575	4.6	91	NIST05.1	73121	50
Unknown siloxane derivative					CAS #:		
10.730	284432	25.5309587	4.1	0		0	61

Data File: jbmd09.d
Client ID: ISCO-MW4
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 200-1636-B-4
Lab Sample ID: 200-1636-4

Date: 23-SEP-2010 18:49
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



Data File: jbm09.d

Lab Sample ID: 200-1636-4

Date: 23-SEP-2010 18:49

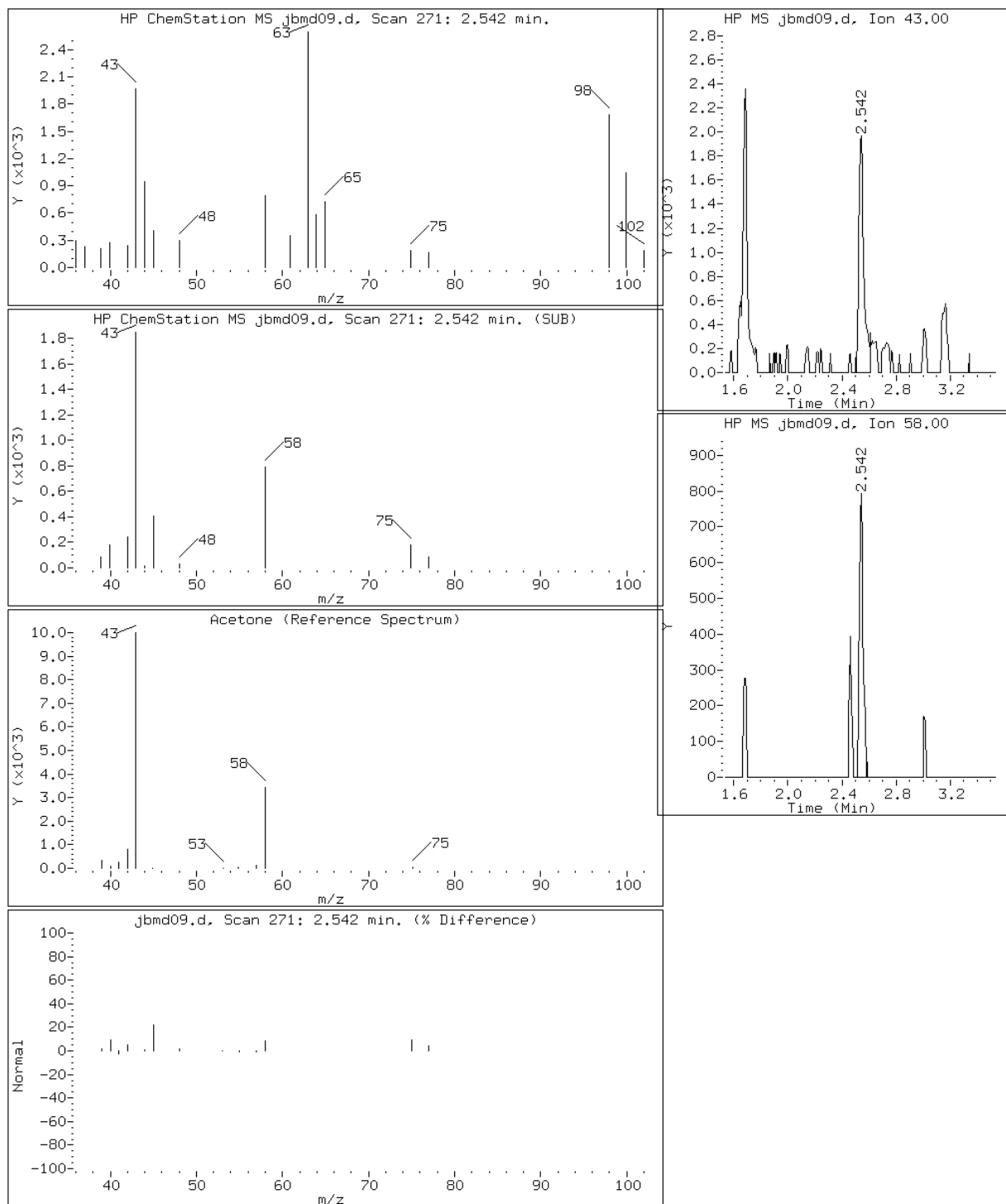
Client ID: ISCO-MW4

Instrument: J.i

Sample Info: 200-1636-B-4

Operator: JH2

12 Acetone



Data File: jbm09.d

Lab Sample ID: 200-1636-4

Date: 23-SEP-2010 18:49

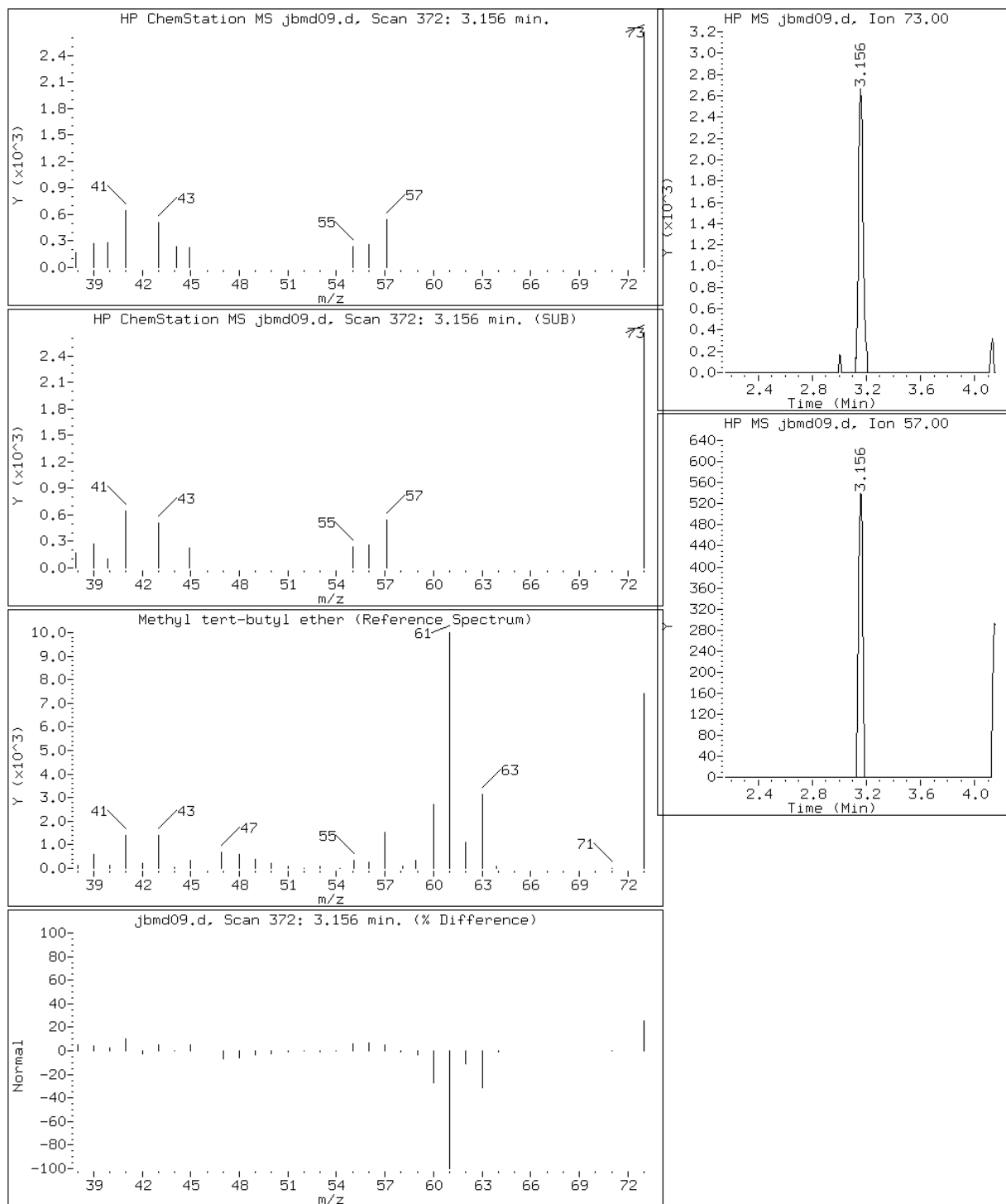
Client ID: ISCO-MW4

Instrument: J.i

Sample Info: 200-1636-B-4

Operator: JH2

17 Methyl tert-butyl ether



Data File: jbm09.d

Lab Sample ID: 200-1636-4

Date: 23-SEP-2010 18:49

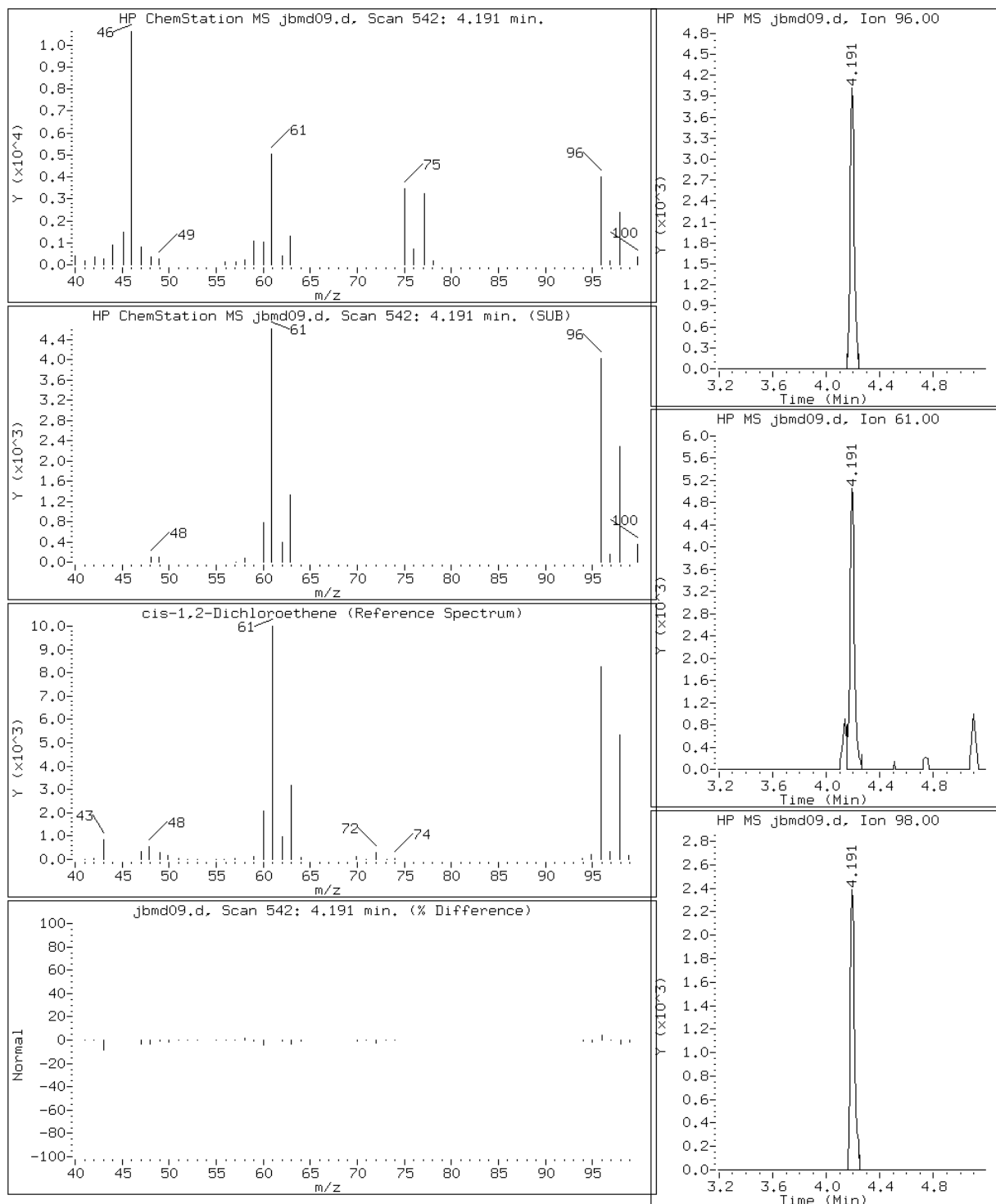
Client ID: ISCO-MW4

Instrument: J.i

Sample Info: 200-1636-B-4

Operator: JH2

20 cis-1,2-Dichloroethene



Data File: jbm09.d

Lab Sample ID: 200-1636-4

Date: 23-SEP-2010 18:49

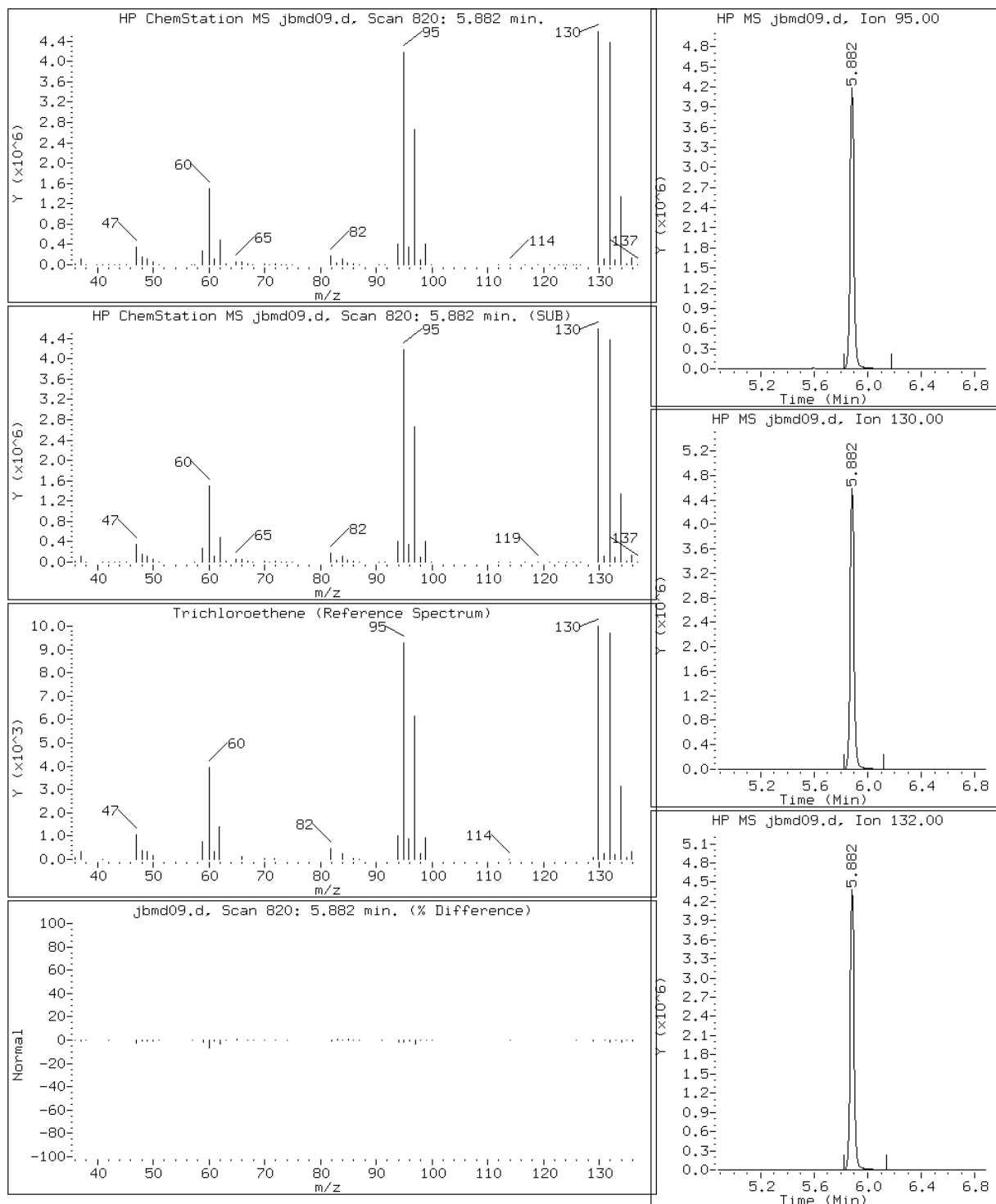
Client ID: ISCO-MW4

Instrument: J.i

Sample Info: 200-1636-B-4

Operator: JH2

33 Trichloroethene



Data File: jbm09.d

Lab Sample ID: 200-1636-4

Date: 23-SEP-2010 18:49

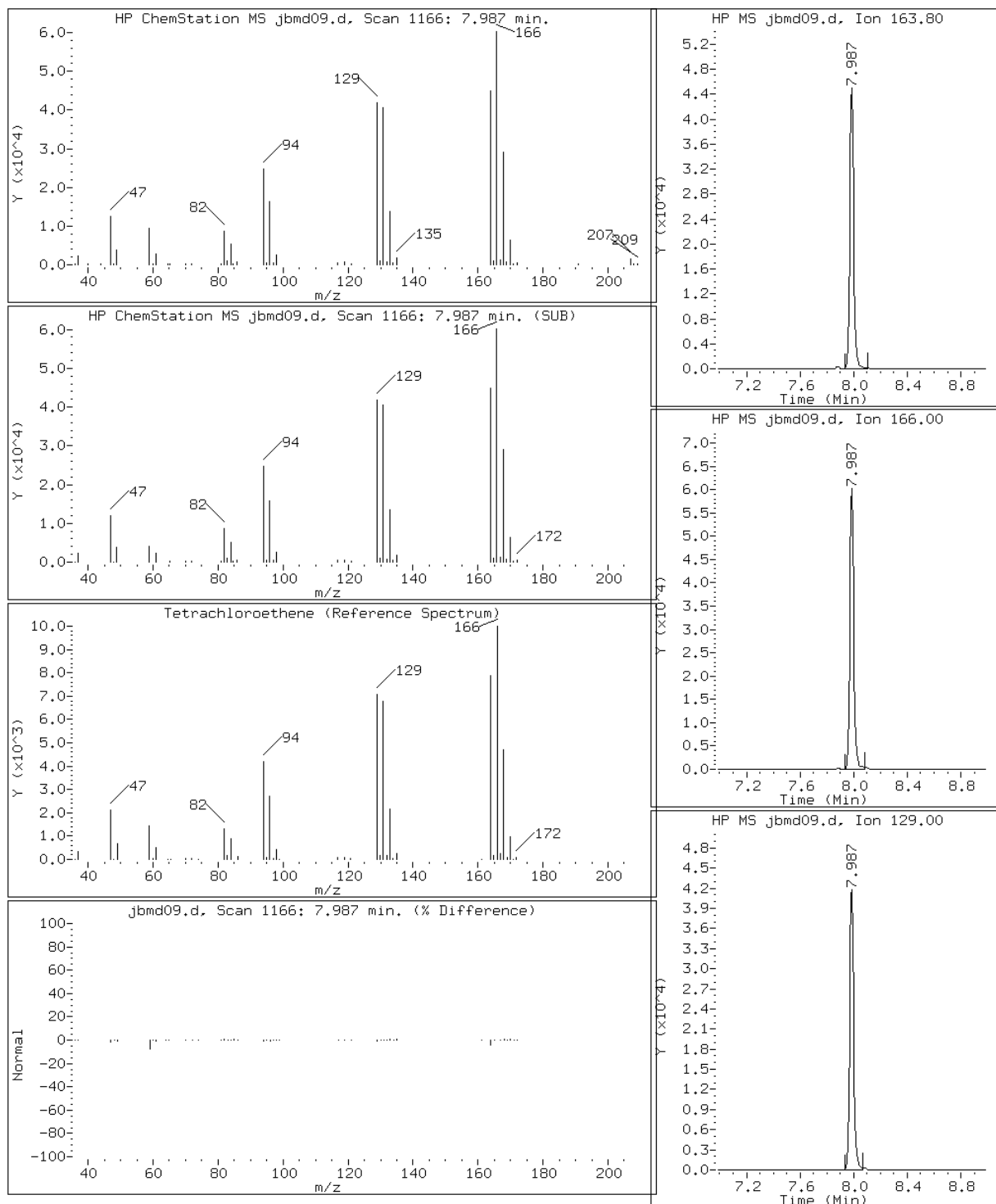
Client ID: ISCO-MW4

Instrument: J.i

Sample Info: 200-1636-B-4

Operator: JH2

45 Tetrachloroethene



Data File: jbm09.d

Lab Sample ID: 200-1636-4

Client ID: ISCO-MW4

Sample Info: 200-1636-B-4

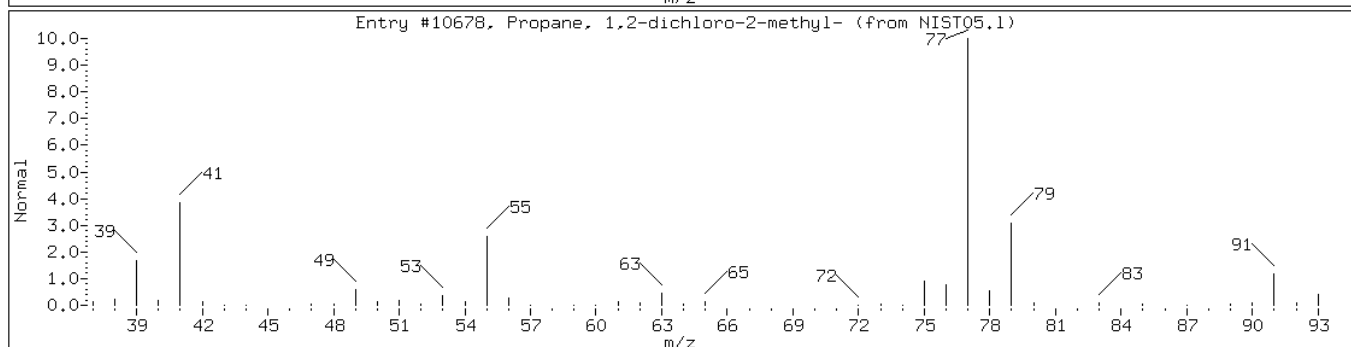
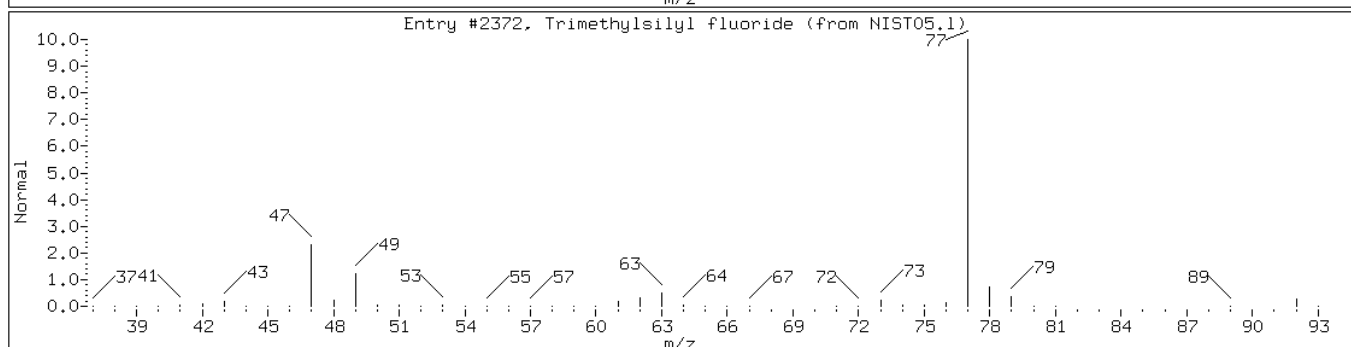
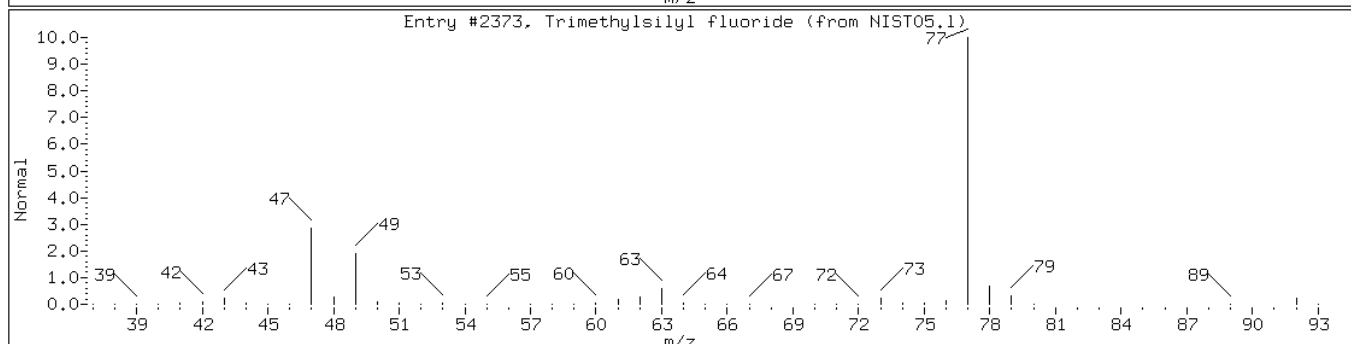
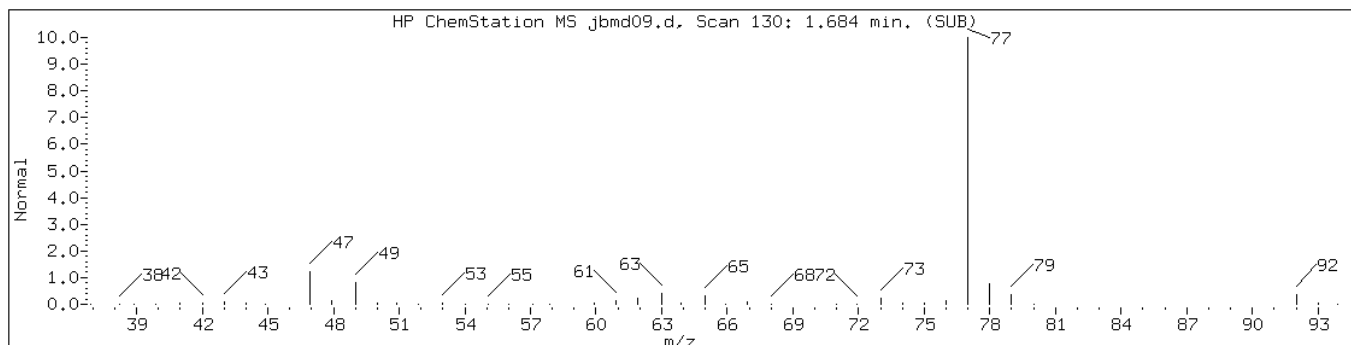
Date: 23-SEP-2010 18:49

Instrument: J.i

Operator: JH2

Retention Time: 1.68

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	91	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	91	C3H9FSi	92
Propane, 1,2-dichloro-2-methyl-	594-37-6	NIST05.1	10678	9	C4H8Cl2	126



Data File: jbm09.d

Lab Sample ID: 200-1636-4

Client ID: ISCO-MW4

Sample Info: 200-1636-B-4

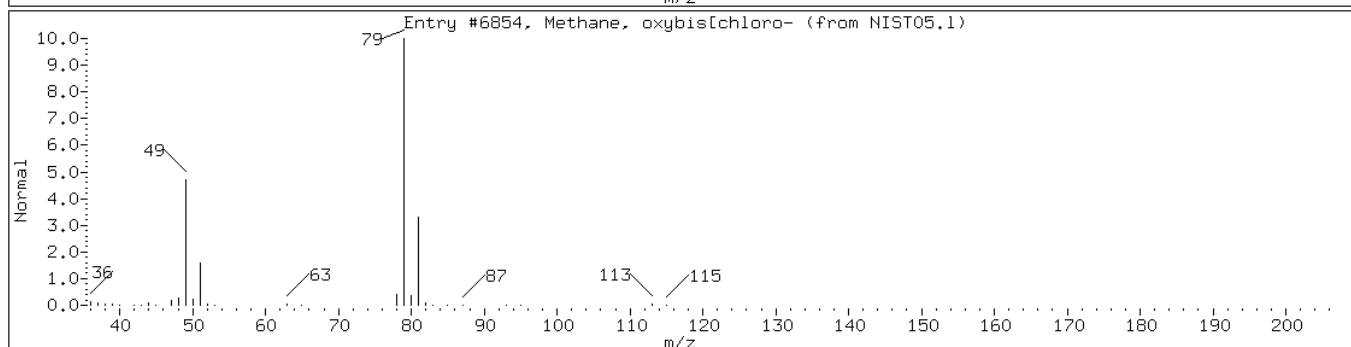
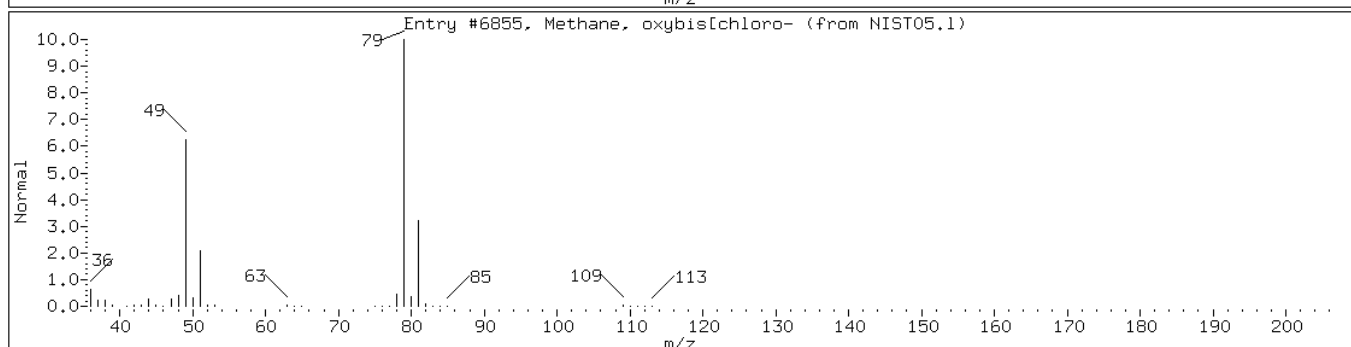
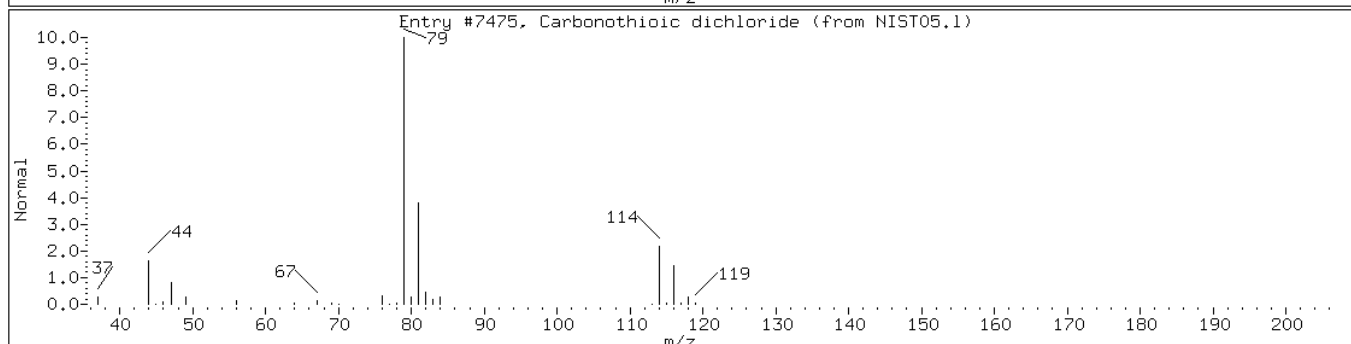
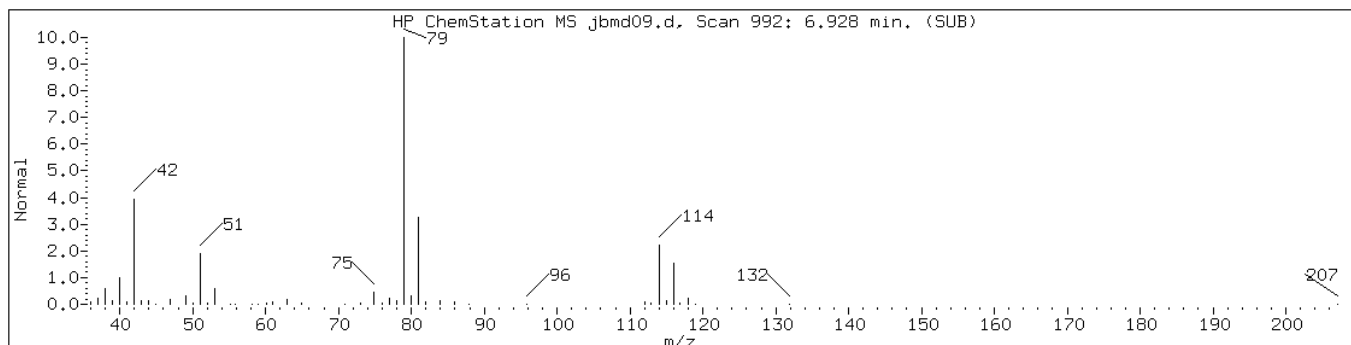
Date: 23-SEP-2010 18:49

Instrument: J.i

Operator: JH2

Retention Time: 6.93

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	38	<chem>CCl2S</chem>	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6855	25	<chem>C2H4Cl2O</chem>	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	23	<chem>C2H4Cl2O</chem>	114



Data File: jbm09.d

Lab Sample ID: 200-1636-4

Client ID: ISCO-MW4

Sample Info: 200-1636-B-4

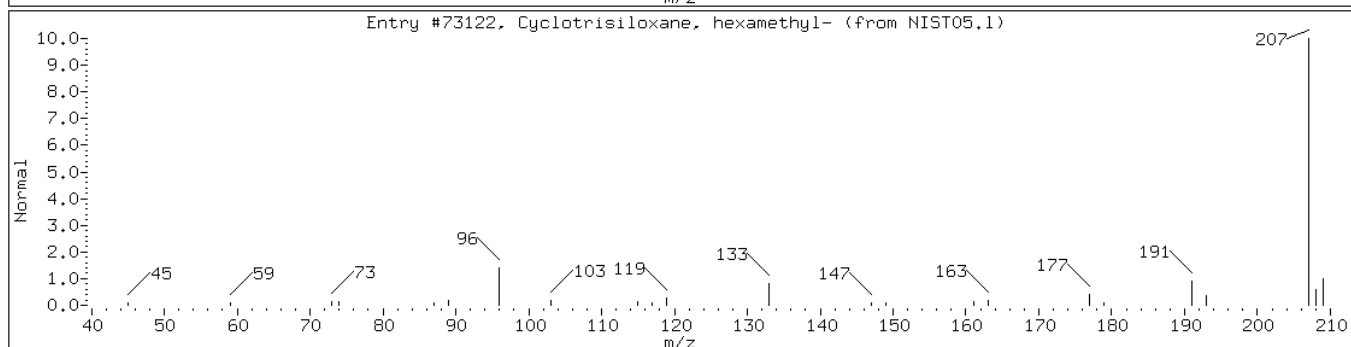
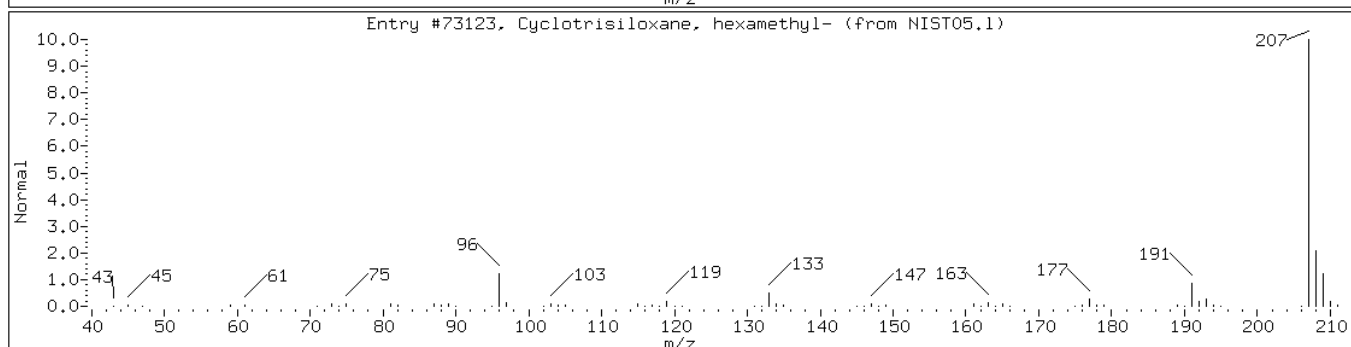
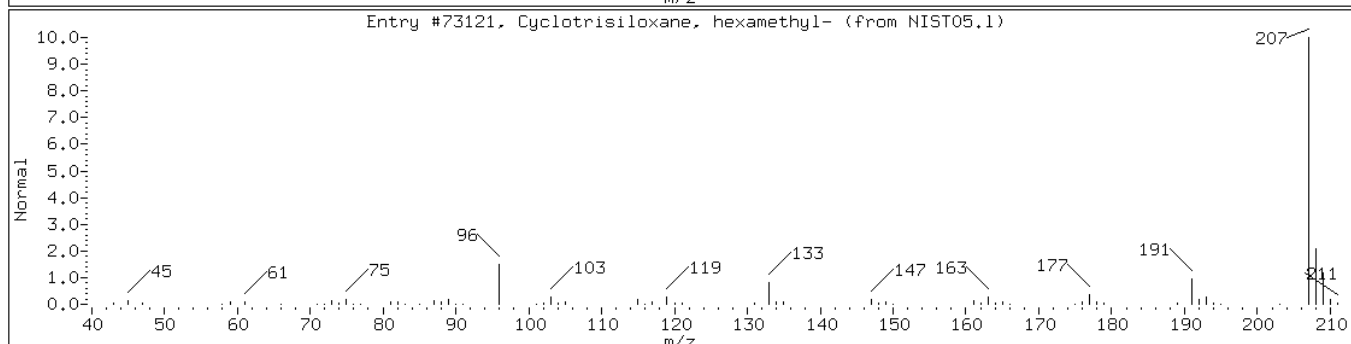
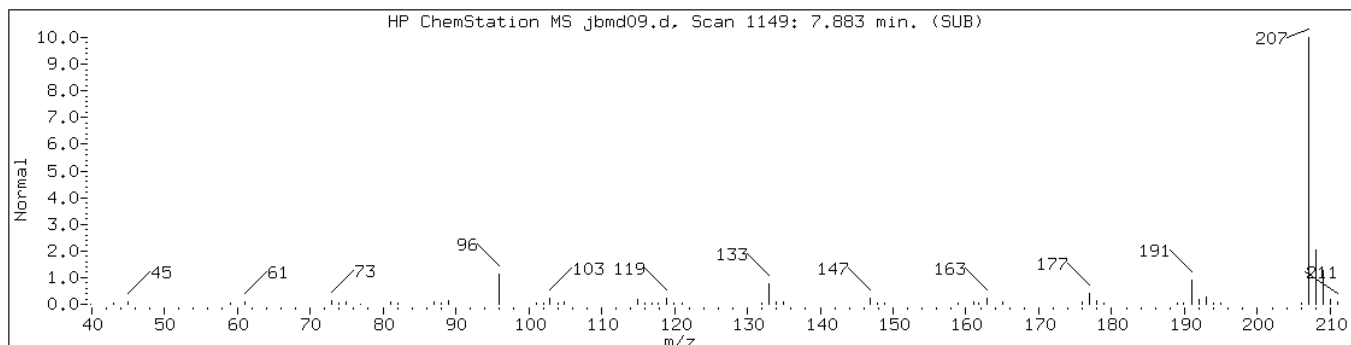
Date: 23-SEP-2010 18:49

Instrument: J.i

Operator: JH2

Retention Time: 7.88

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	91	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	91	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	80	C6H18O3Si3	222



Data File: jbm09.d

Lab Sample ID: 200-1636-4

Date: 23-SEP-2010 18:49

Client ID: ISCO-MW4

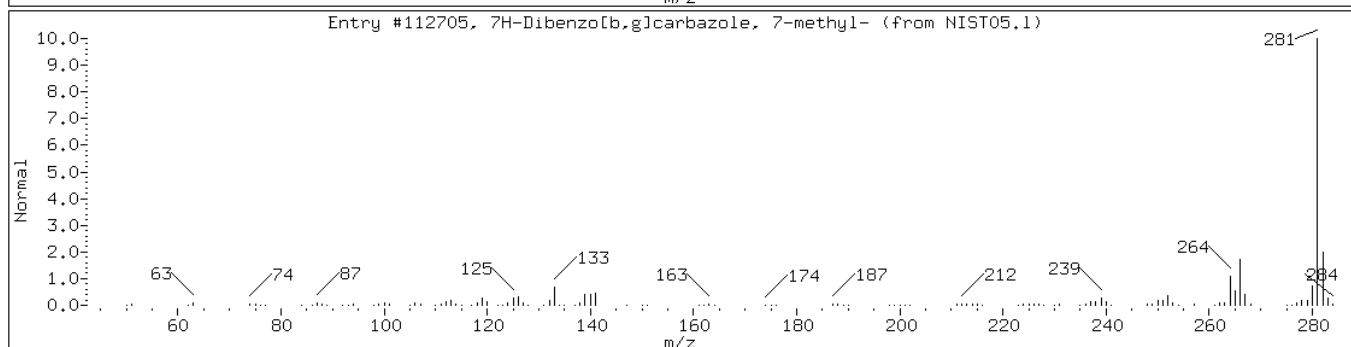
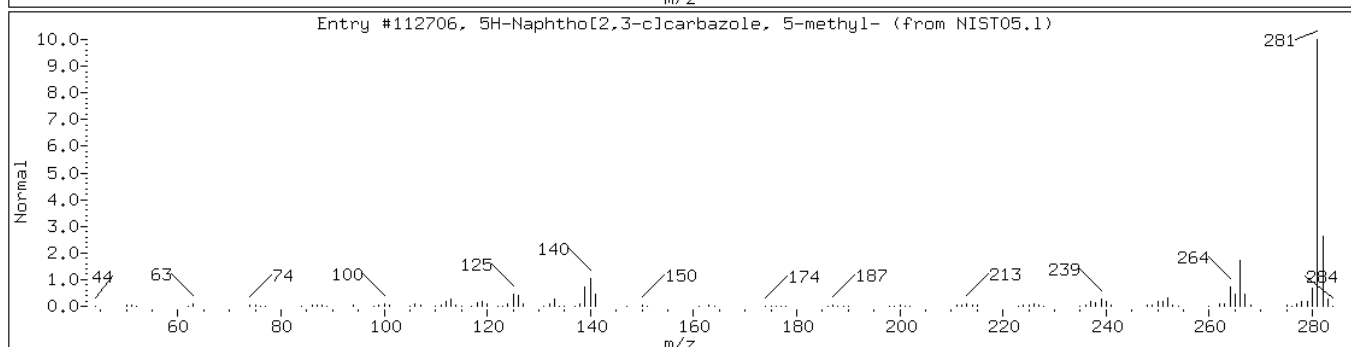
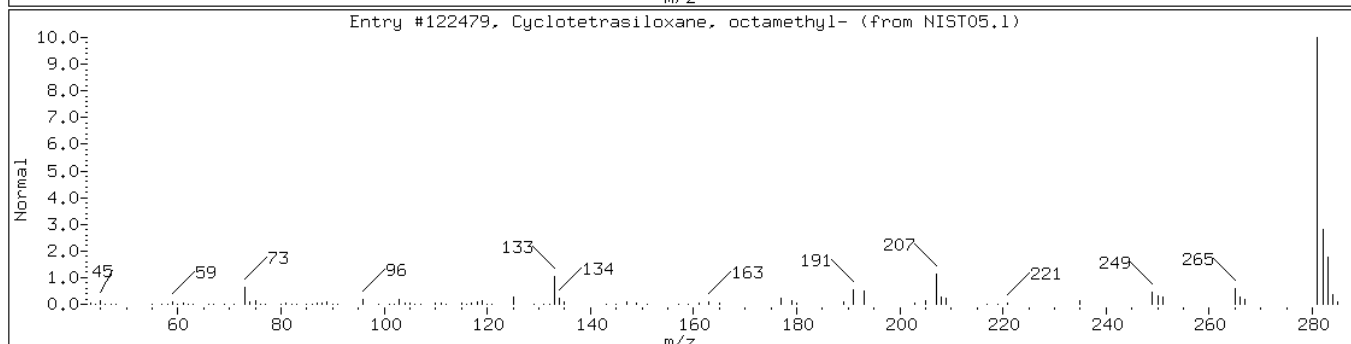
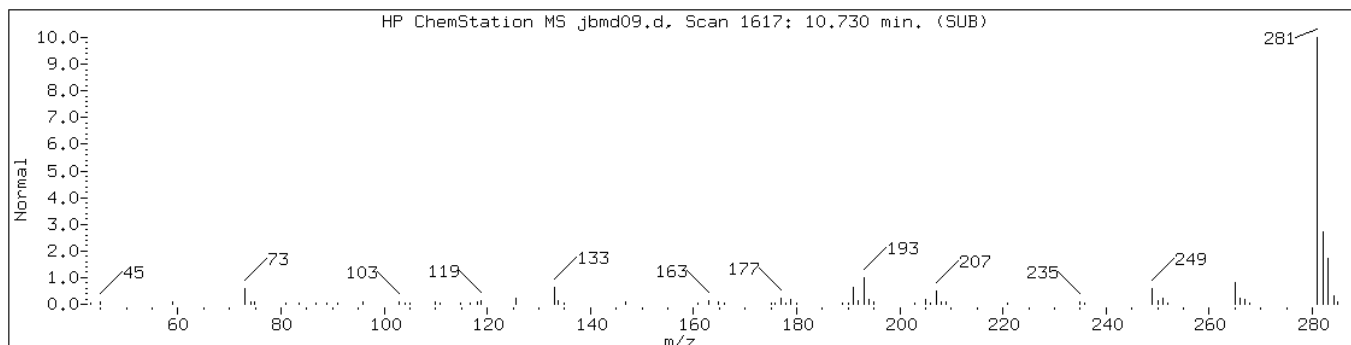
Instrument: J.i

Sample Info: 200-1636-B-4

Operator: JH2

Retention Time: 10.73

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	64	C ₈ H ₂₄ O ₄ Si ₄	296
5H-Naphtho[2,3-c]carbazole, 5-meth	100025-44-3	NIST05.1	112706	59	C ₂₁ H ₁₅ N	281
7H-Dibenzo[b,g]carbazole, 7-methyl	3557-49-1	NIST05.1	112705	53	C ₂₁ H ₁₅ N	281



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-1636-1</u>
SDG No.: <u>200-1636-1</u>	
Client Sample ID: <u>ISCO-MW4 DL</u>	Lab Sample ID: <u>200-1636-4 DL</u>
Matrix: <u>Water</u>	Lab File ID: <u>jbmcl6.d</u>
Analysis Method: <u>SOM01.2/VOA_Tr</u>	Date Collected: <u>09/19/2010 12:10</u>
Sample wt/vol: <u>25 (mL)</u>	Date Analyzed: <u>09/23/2010 13:23</u>
Soil Aliquot Vol: <u> </u>	Dilution Factor: <u>40</u>
Soil Extract Vol.: <u> </u>	GC Column: <u>DB-624</u> ID: <u>0.2 (mm)</u>
% Moisture: <u> </u>	Level: (low/med) <u>Trace</u>
Analysis Batch No.: <u>6993</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	20	U	20	1.0
74-87-3	Chloromethane	20	U	20	3.9
75-01-4	Vinyl chloride	20	U	20	2.0
74-83-9	Bromomethane	20	U	20	2.0
75-00-3	Chloroethane	20	U	20	2.8
75-69-4	Trichlorofluoromethane	20	U	20	2.1
75-35-4	1,1-Dichloroethene	20	U	20	1.5
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U	20	1.2
67-64-1	Acetone	130	J D B	200	37
75-15-0	Carbon disulfide	20	U	20	2.4
79-20-9	Methyl acetate	20	U	20	3.0
75-09-2	Methylene chloride	20	U	20	2.4
156-60-5	trans-1,2-Dichloroethene	20	U	20	0.72
1634-04-4	Methyl tert-butyl ether	20	U	20	1.3
75-34-3	1,1-Dichloroethane	20	U	20	2.1
156-59-2	cis-1,2-Dichloroethene	20	U	20	2.1
78-93-3	2-Butanone	200	U	200	24
74-97-5	Bromochloromethane	20	U	20	2.9
67-66-3	Chloroform	20	U	20	1.9
71-55-6	1,1,1-Trichloroethane	20	U	20	1.1
110-82-7	Cyclohexane	20	U	20	1.6
56-23-5	Carbon tetrachloride	20	U	20	1.5
71-43-2	Benzene	20	U	20	1.2
107-06-2	1,2-Dichloroethane	20	U	20	2.3
79-01-6	Trichloroethene	690	D	20	2.2
108-87-2	Methylcyclohexane	20	U	20	2.0
78-87-5	1,2-Dichloropropane	20	U	20	2.1
75-27-4	Bromodichloromethane	20	U	20	1.7
10061-01-5	cis-1,3-Dichloropropene	20	U	20	1.4
108-10-1	4-Methyl-2-pentanone	200	U	200	14
108-88-3	Toluene	20	U	20	1.2
10061-02-6	trans-1,3-Dichloropropene	20	U	20	1.2
79-00-5	1,1,2-Trichloroethane	20	U	20	2.9
127-18-4	Tetrachloroethene	9.3	J D	20	2.0
591-78-6	2-Hexanone	200	U	200	12

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: ISCO-MW4 DL Lab Sample ID: 200-1636-4 DL
 Matrix: Water Lab File ID: jbmcl6.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/19/2010 12:10
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 13:23
 Soil Aliquot Vol: Dilution Factor: 40
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 6993 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	20	U	20	1.9
106-93-4	1,2-Dibromoethane	20	U	20	8.0
108-90-7	Chlorobenzene	20	U	20	1.6
100-41-4	Ethylbenzene	20	U	20	2.0
95-47-6	o-Xylene	20	U	20	1.6
179601-23-1	m,p-Xylene	20	U	20	1.3
100-42-5	Styrene	20	U	20	2.3
75-25-2	Bromoform	20	U	20	2.6
98-82-8	Isopropylbenzene	20	U	20	1.8
79-34-5	1,1,2,2-Tetrachloroethane	20	U	20	3.2
541-73-1	1,3-Dichlorobenzene	20	U	20	1.7
106-46-7	1,4-Dichlorobenzene	20	U	20	1.4
95-50-1	1,2-Dichlorobenzene	20	U	20	2.0
96-12-8	1,2-Dibromo-3-chloropropane	20	U	20	10
120-82-1	1,2,4-Trichlorobenzene	20	U	20	1.9
87-61-6	1,2,3-Trichlorobenzene	20	U	20	1.2

CAS NO.	SURROGATE	%REC	LIMITS	Q
6745-35-3	Vinyl chloride-d3	97	65-131	
19199-91-8	Chloroethane-d5	99	71-131	
22280-73-5	1,1-Dichloroethene-d2	76	55-104	
24313-50-6	2-Butanone-d5	105	49-155	
865-49-6	Chloroform-d	100	78-121	
17060-07-0	1,2-Dichloroethane-d4	104	78-129	
1076-43-3	Benzene-d6	103	77-124	
93952-08-0	1,2-Dichloropropane-d6	93	79-124	
2037-26-5	Toluene-d8	100	77-121	
93951-86-1	trans-1,3-Dichloropropene-d4	98	73-121	
4840-82-8	2-Hexanone-d5	99	28-135	
33685-54-0	1,1,2,2-Tetrachloroethane-d2	105	73-125	
2199-69-1	1,2-Dichlorobenzene-d4	104	80-131	

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: ISCO-MW4 DL Lab Sample ID: 200-1636-4 DL
Matrix: Water Lab File ID: jbmcl6.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/19/2010 12:10
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 13:23
Soil Aliquot Vol: _____ Dilution Factor: 40
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 6993 Units: ug/L
Number TICs Found: 3 TIC Result Total: 156

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	1.68	22	D J
	Unknown	6.93	110	B X D J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	24	B D J N

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: ISCO-MW4 DL Lab Sample ID: 200-1636-4 DL
Matrix: Water Lab File ID: jbmcl6.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/19/2010 12:10
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 13:23
Soil Aliquot Vol: _____ Dilution Factor: 40
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 6993 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	<i>Total Alkanes</i>			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-4
Client Smp ID: ISCO-MW4
Inj Date : 23-SEP-2010 13:23
Operator : JH2
Smp Info : 200-1636-B-4
Misc Info : 40,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmcsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 13:23 cmp
Cal Date : 21-SEP-2010 17:24
Als bottle: 30
Dil Factor: 40.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	40.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85				Compound Not Detected.		
2 Chloromethane	50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	1.556	1.562	(0.278)	251579	121.567	4.9
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	1.861	1.861	(0.333)	210849	124.337	5.0
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	2.475	2.481	(0.443)	311438	95.0875	3.8
10 1,1-Dichloroethene	96				Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101				Compound Not Detected.		
12 Acetone	43	2.536	2.536	(0.454)	6649	83.4346	130
13 Carbon disulfide	76				Compound Not Detected.		
14 Methyl acetate	43				Compound Not Detected.		
15 Methylene chloride	84				Compound Not Detected.		

						CONCENTRATIONS		
		QUANT	SIG			ON-COLUMN	FINAL	
Compounds		MASS		RT	EXP RT REL RT	RESPONSE	(ng)	(ug/L)
=====		====		==	=====	=====	=====	=====
	16 trans-1,2-Dichloroethene	96		Compound	Not Detected.			
	17 Methyl tert-butyl ether	73		Compound	Not Detected.			
	18 1,1-Dichloroethane	63		Compound	Not Detected.			
\$	19 2-Butanone-d5	46		4.148	4.148 (0.742)	160860	1313.55	53
	20 cis-1,2-Dichloroethene	96		Compound	Not Detected.			
	21 2-Butanone	43		Compound	Not Detected.			
	22 Bromochloromethane	128		Compound	Not Detected.			
\$	23 Chloroform-d	84		4.525	4.525 (0.810)	371157	125.080	5.0(Q)
	24 Chloroform	83		Compound	Not Detected.			
	25 1,1,1-Trichloroethane	97		Compound	Not Detected.			
	26 Cyclohexane	56		Compound	Not Detected.			
	27 Carbon tetrachloride	117		Compound	Not Detected.			
\$	28 1,2-Dichloroethane-d4	65		5.097	5.097 (0.912)	123110	129.785	5.2
\$	29 Benzene-d6	84		5.109	5.109 (0.569)	853966	129.229	5.2
	30 Benzene	78		Compound	Not Detected.			
	31 1,2-Dichloroethane	62		Compound	Not Detected.			
*	32 1,4-Difluorobenzene	114		5.590	5.590 (1.000)	773084	125.000	
	33 Trichloroethene	95		5.882	5.882 (0.656)	846352	431.057	690
\$	34 1,2-Dichloropropane-d6	67		6.040	6.034 (0.673)	202382	116.127	4.6
	35 Methylcyclohexane	55		Compound	Not Detected.			
	36 1,2-Dichloropropane	63		Compound	Not Detected.			
	37 Bromodichloromethane	83		Compound	Not Detected.			
	38 cis-1,3-Dichloropropene	75		Compound	Not Detected.			
	39 4-Methyl-2-pentanone	43		Compound	Not Detected.			
\$	40 Toluene-d8	98		7.275	7.275 (0.811)	815502	125.550	5.0
	41 Toluene	91		Compound	Not Detected.			
\$	42 trans-1,3-Dichloropropene-d4	79		7.591	7.591 (0.846)	147902	122.865	4.9
	43 trans-1,3-Dichloropropene	75		Compound	Not Detected.			
	44 1,1,2-Trichloroethane	97		Compound	Not Detected.			
	45 Tetrachloroethene	164		7.987	7.987 (0.890)	10249	5.82877	9.3
\$	46 2-Hexanone-d5	63		8.090	8.090 (0.902)	141333	1239.13	50
	47 2-Hexanone	43		Compound	Not Detected.			
	48 Dibromochloromethane	129		Compound	Not Detected.			
	49 1,2-Dibromoethane	107		Compound	Not Detected.			
*	50 Chlorobenzene-d5	117		8.972	8.972 (1.000)	585950	125.000	
	51 Chlorobenzene	112		Compound	Not Detected.			
	52 Ethylbenzene	91		Compound	Not Detected.			
	53 m,p-Xylene	106		Compound	Not Detected.			
	54 Styrene	104		Compound	Not Detected.			
	55 o-Xylene	106		Compound	Not Detected.			
	56 Bromoform	172		Compound	Not Detected.			
	57 Isopropylbenzene	105		Compound	Not Detected.			
\$	58 1,1,2,2-Tetrachloroethane-d2	84		10.566	10.560 (1.178)	71496	131.459	5.3
	59 1,1,2,2-Tetrachloroethane	83		Compound	Not Detected.			
	60 1,3-Dichlorobenzene	146		Compound	Not Detected.			
*	61 1,4-Dichlorobenzene-d4	152		11.807	11.801 (1.000)	255866	125.000	
	62 1,4-Dichlorobenzene	146		Compound	Not Detected.			

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
=====	=====	==	=====	=====	=====	(ng)	(ug/L)
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	183261	129.814	5.2
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-4
Client Smp ID: ISCO-MW4
Inj Date : 23-SEP-2010 13:23
Operator : JH2
Smp Info : 200-1636-B-4
Misc Info : 40,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmcsmttr.b/somtr5t.m
Meth Date : 24-Sep-2010 13:23 cmp
Cal Date : 21-SEP-2010 17:24
Als bottle: 30
Dil Factor: 40.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	40.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

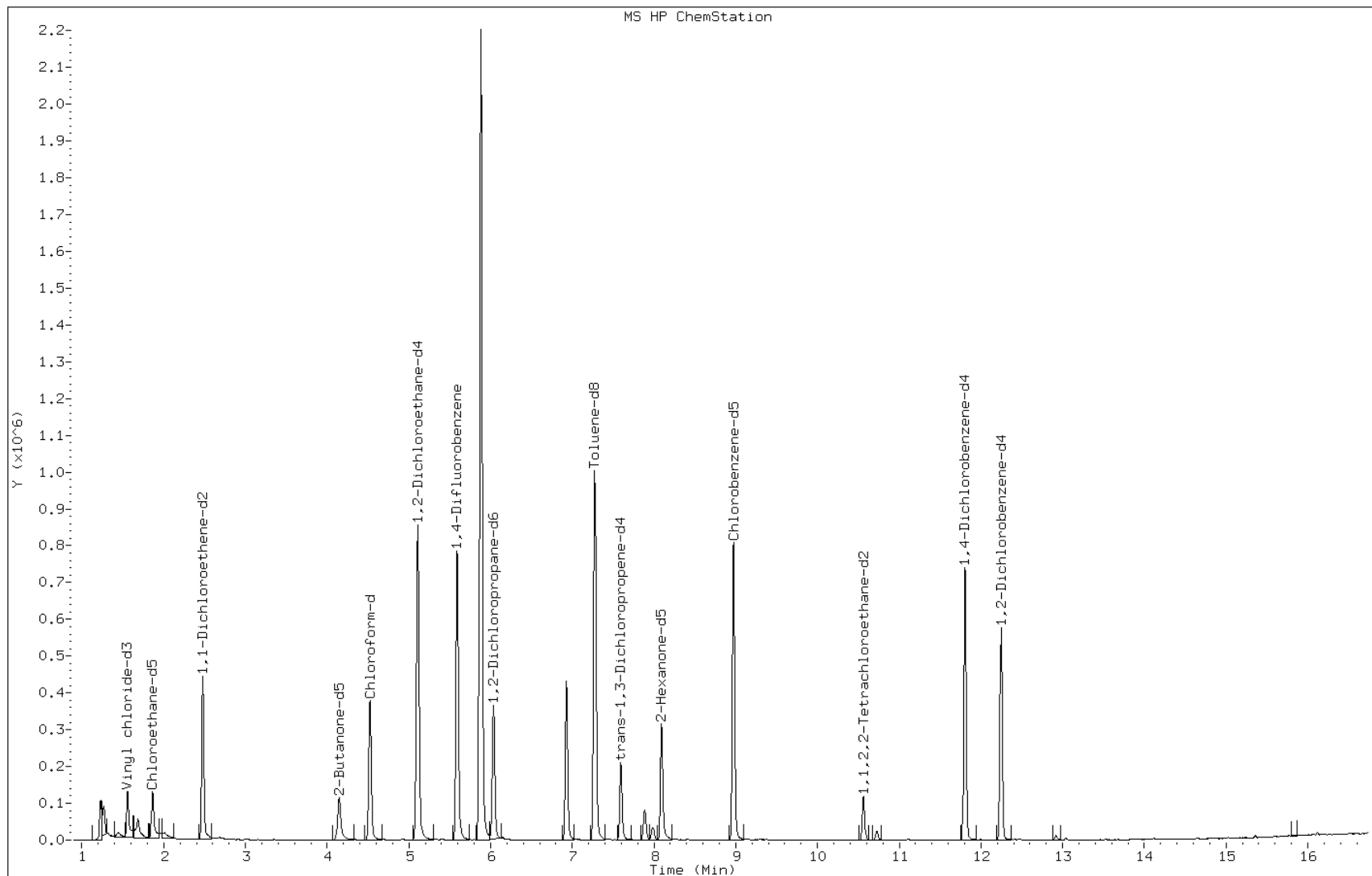
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.590	1710740	125.000
* 50 Chlorobenzene-d5	8.972	1681759	125.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
1.684	184027	13.4464550	22	0		0	32
Unknown					CAS #:		
6.928	904128	66.0626050	110	0		0	32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Cyclotrisiloxane, hexamethyl-							
7.883	199926	14.8598996	24	91	CAS #: 541-05-9 NIST05.l	73121	50

Data File: jbmcl6.d
Client ID: ISCO-MW4
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 200-1636-B-4
Lab Sample ID: 200-1636-4

Date: 23-SEP-2010 13:23
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



Data File: jbmcl6.d

Lab Sample ID: 200-1636-4

Date: 23-SEP-2010 13:23

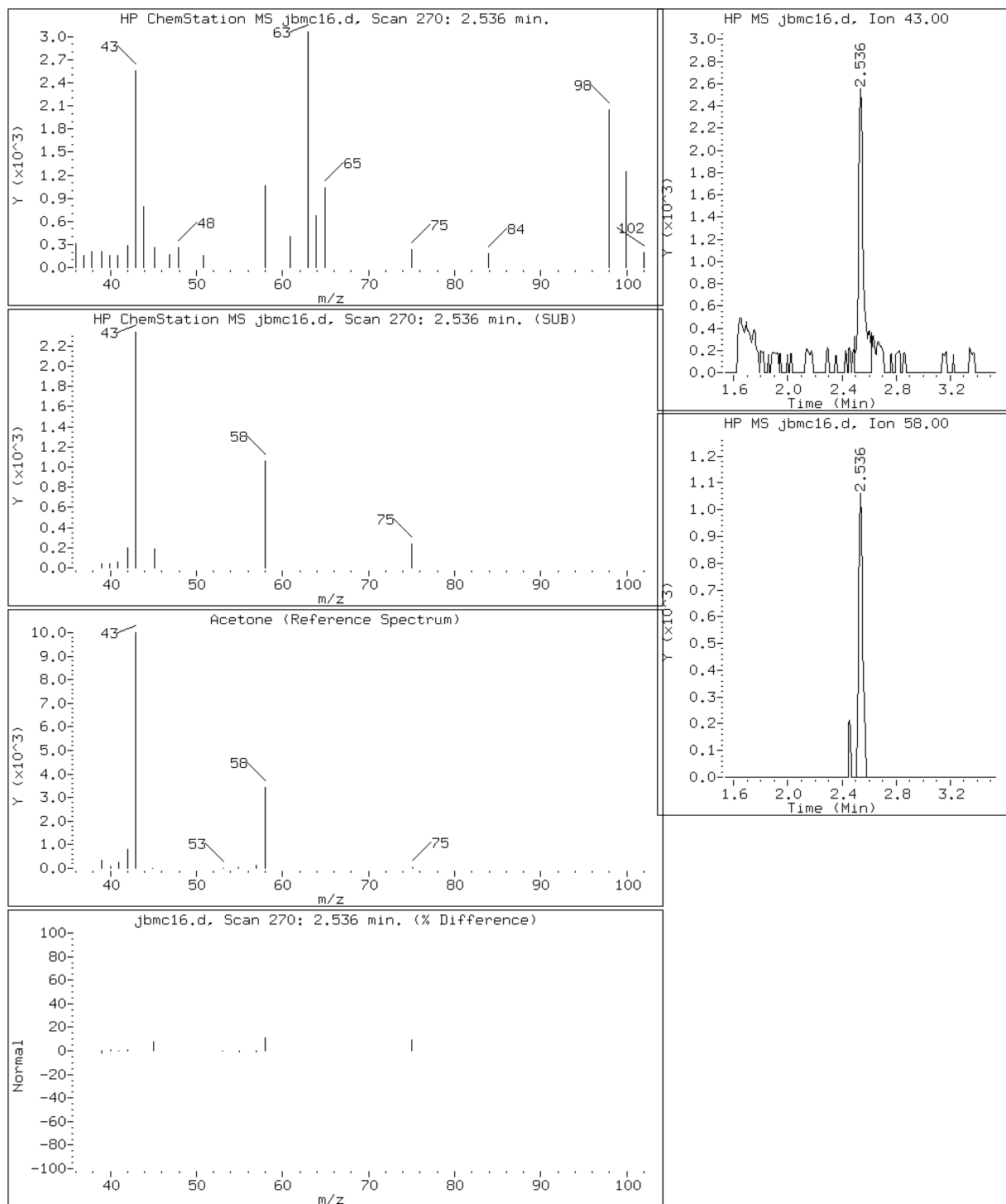
Client ID: ISCO-MW4

Instrument: J.i

Sample Info: 200-1636-B-4

Operator: JH2

12 Acetone



Data File: jbmcl6.d

Lab Sample ID: 200-1636-4

Date: 23-SEP-2010 13:23

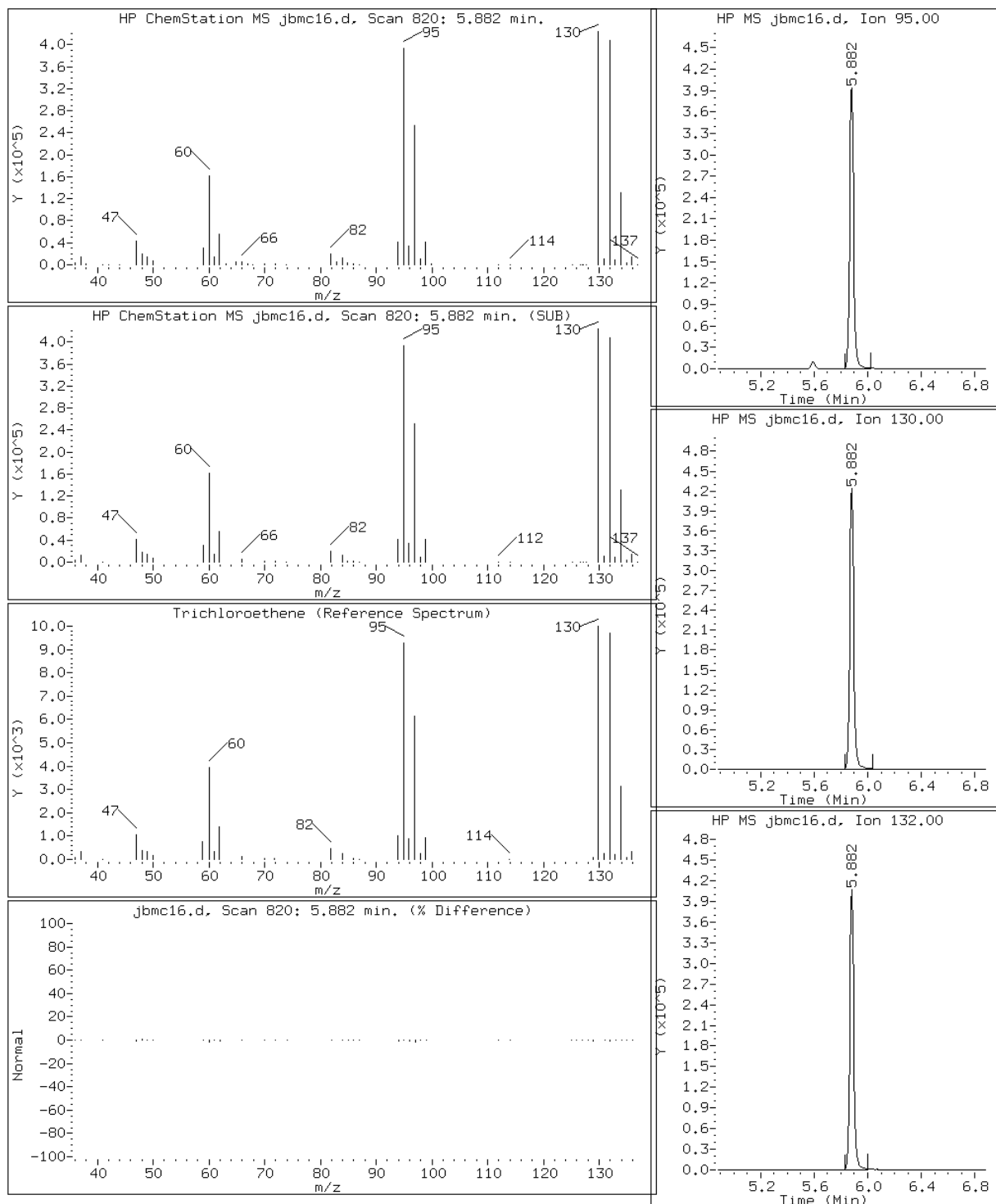
Client ID: ISCO-MW4

Instrument: J.i

Sample Info: 200-1636-B-4

Operator: JH2

33 Trichloroethene



Data File: jbmcl6.d

Lab Sample ID: 200-1636-4

Date: 23-SEP-2010 13:23

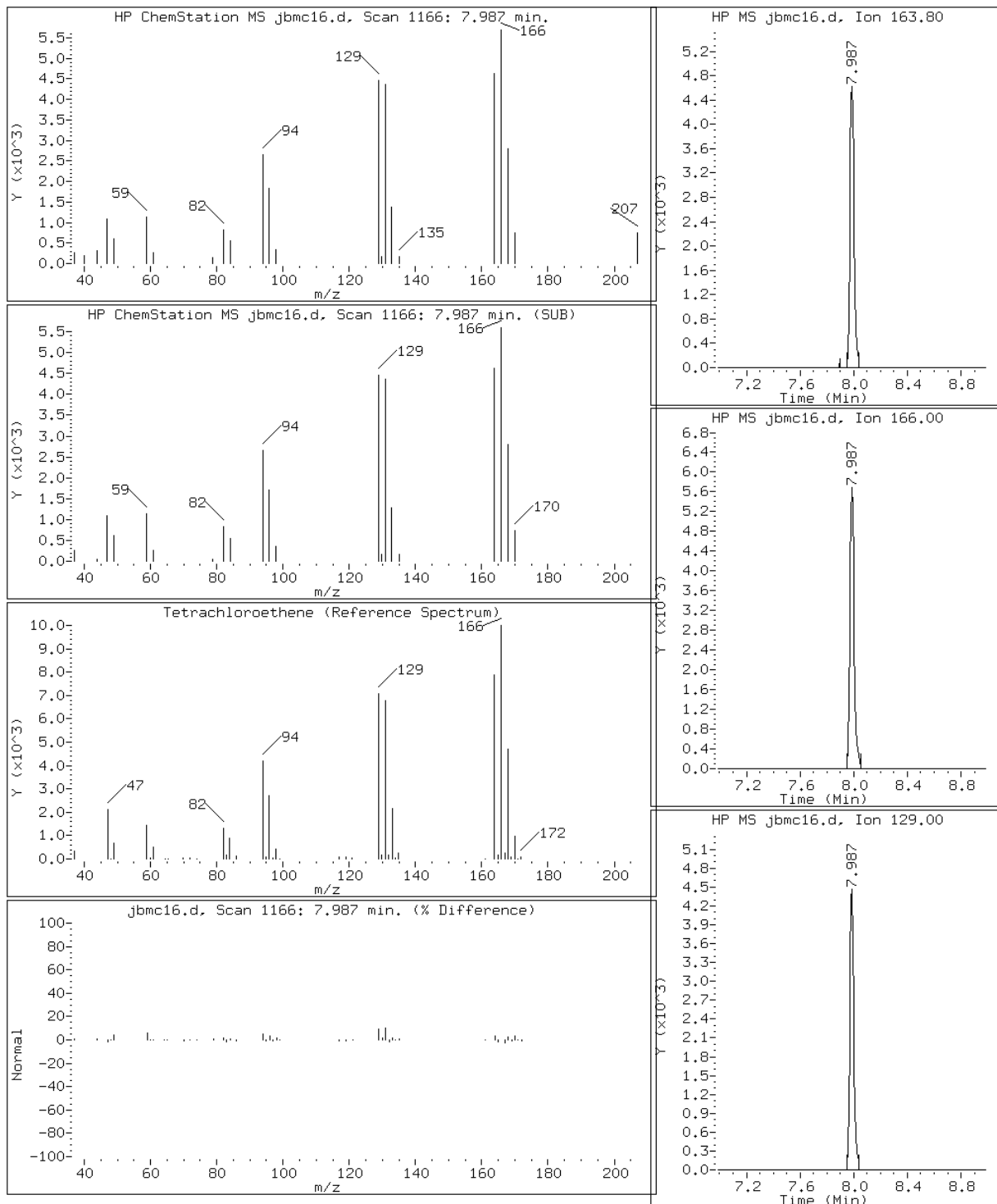
Client ID: ISCO-MW4

Instrument: J.i

Sample Info: 200-1636-B-4

Operator: JH2

45 Tetrachloroethene



Data File: jbmcl6.d

Lab Sample ID: 200-1636-4

Client ID: ISCO-MW4

Sample Info: 200-1636-B-4

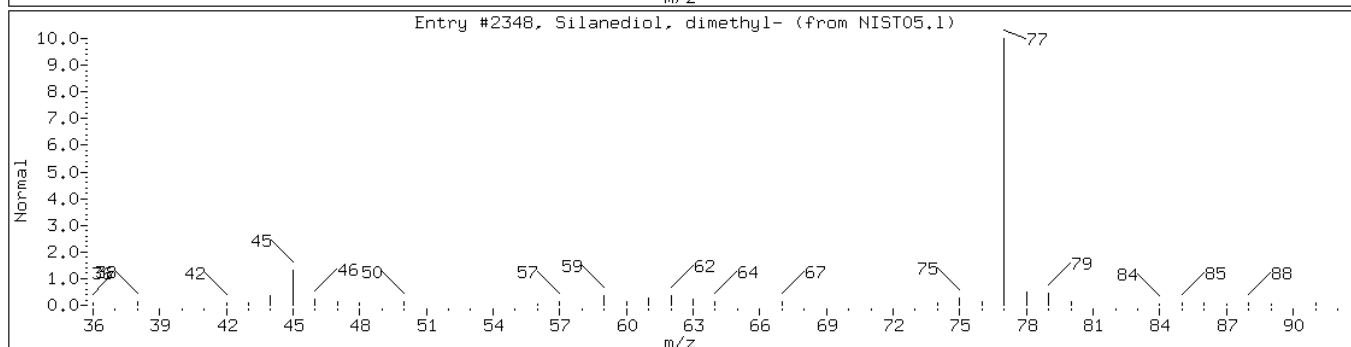
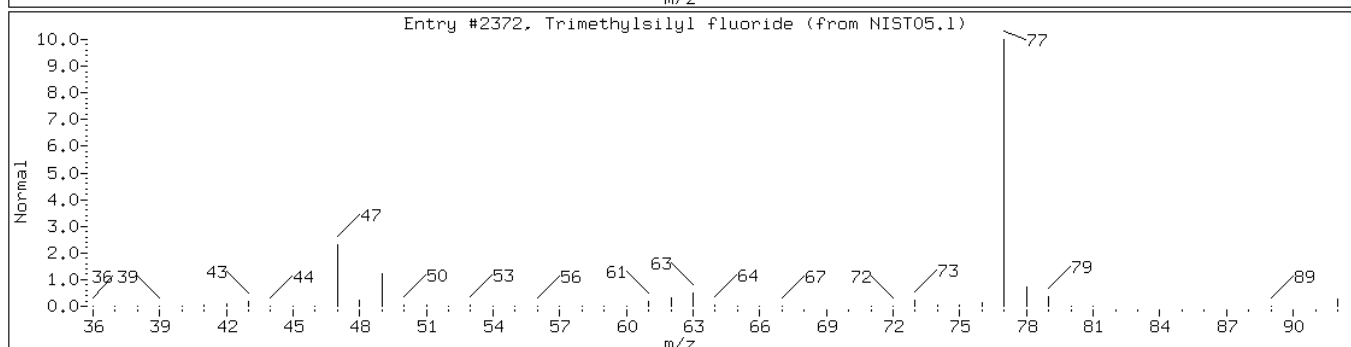
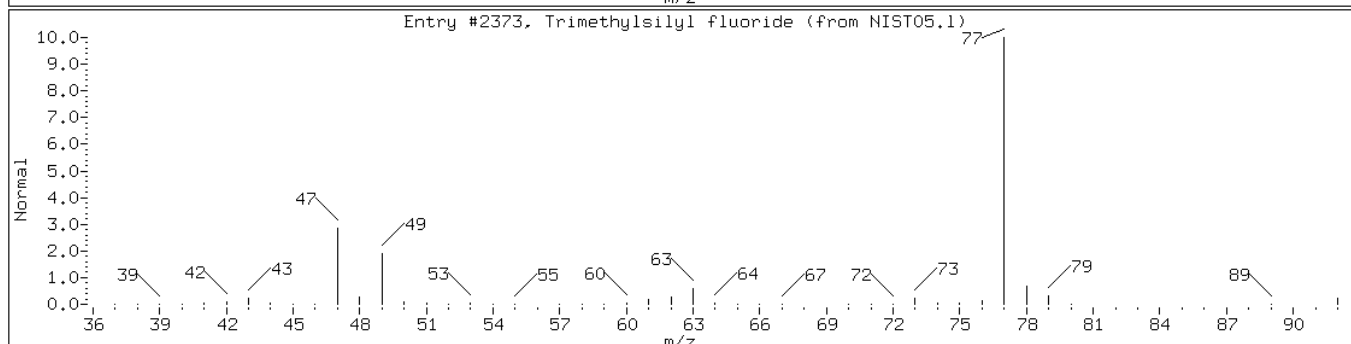
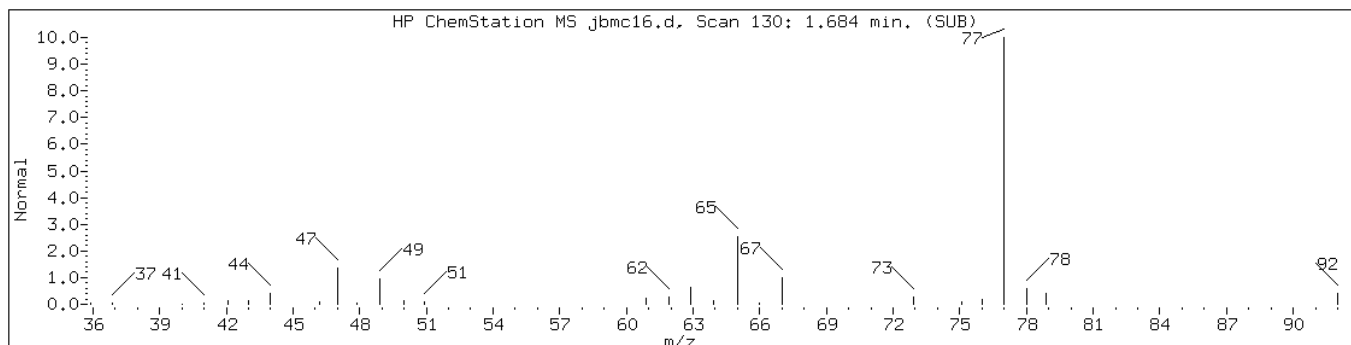
Date: 23-SEP-2010 13:23

Instrument: J.i

Operator: JH2

Retention Time: 1.68

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	64	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	59	C3H9FSi	92
Silanediol, dimethyl-	1066-42-8	NIST05.1	2348	38	C2H8O2Si	92



Data File: jbmcl6.d

Lab Sample ID: 200-1636-4

Date: 23-SEP-2010 13:23

Client ID: ISCO-MW4

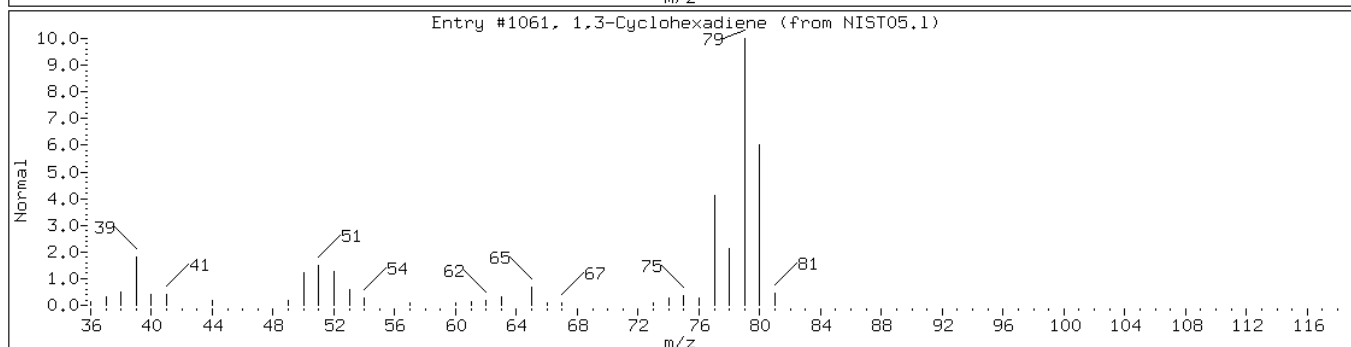
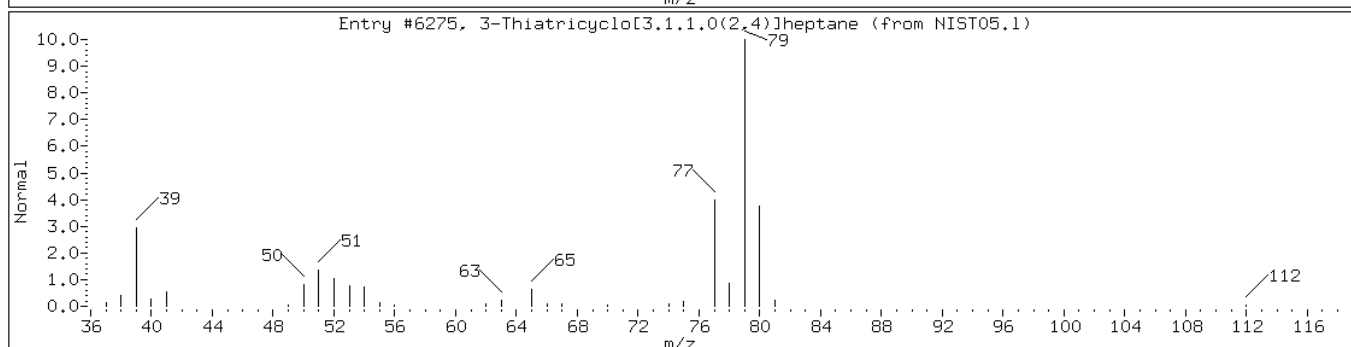
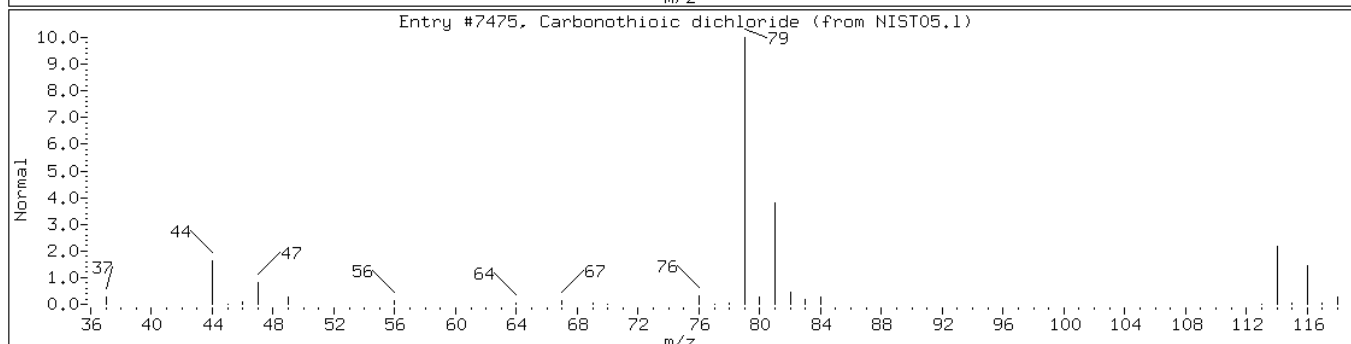
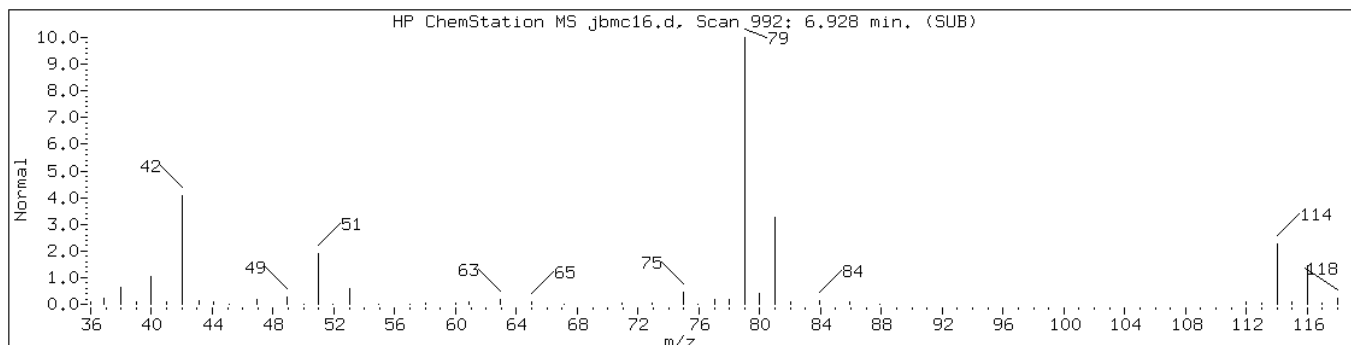
Instrument: J.i

Sample Info: 200-1636-B-4

Operator: JH2

Retention Time: 6.93

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.1	6275	32	C6H8S	112
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	32	C6H8	80



Data File: jbmcl6.d

Lab Sample ID: 200-1636-4

Client ID: ISCO-MW4

Sample Info: 200-1636-B-4

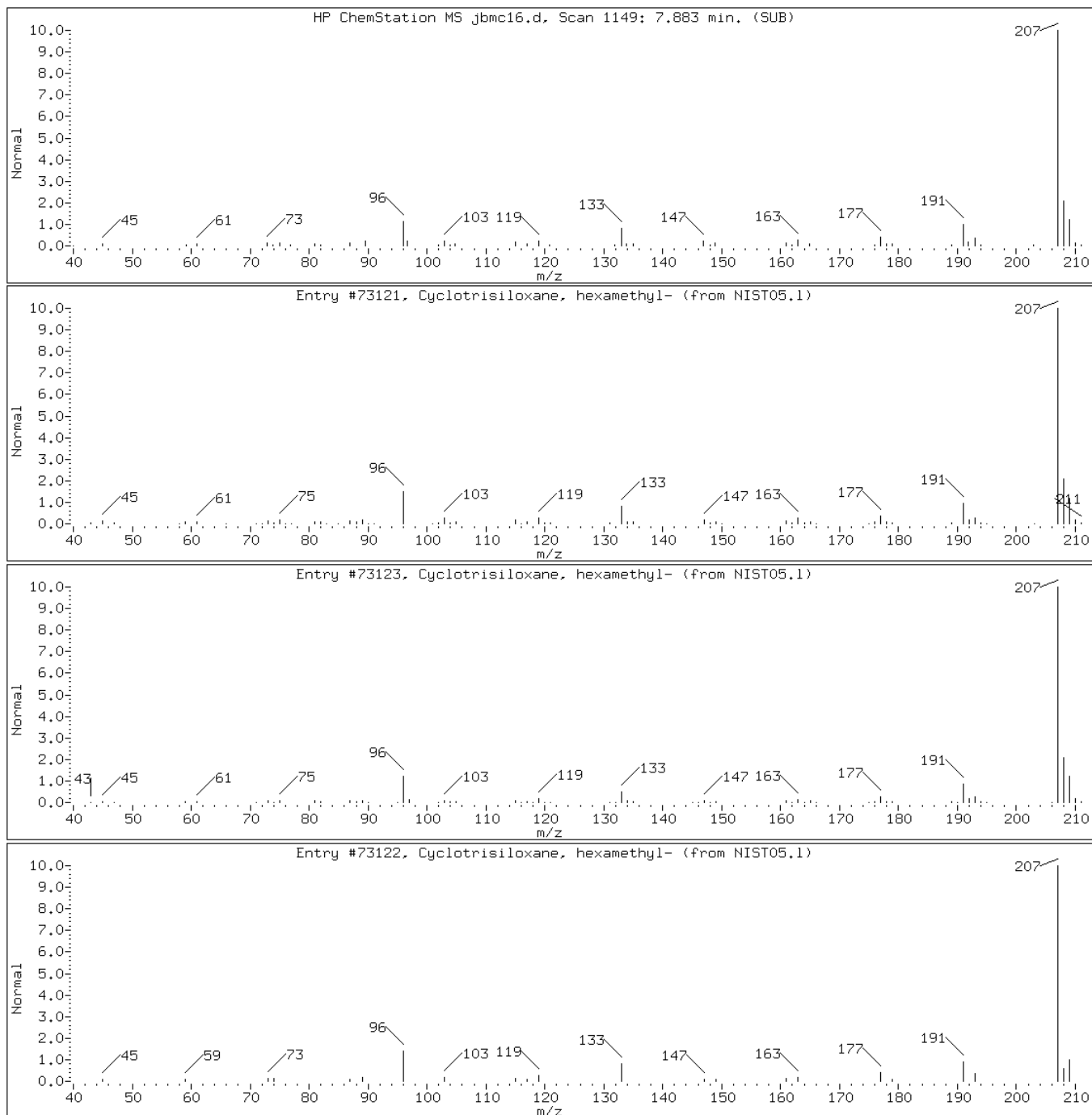
Date: 23-SEP-2010 13:23

Instrument: J.i

Operator: JH2

Retention Time: 7.88

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	91	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	91	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	80	C ₆ H ₁₈ O ₃ Si ₃	222



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: ISCO-MW5 Lab Sample ID: 200-1636-5
 Matrix: Water Lab File ID: jbmd11.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/19/2010 10:00
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 19:45
 Soil Aliquot Vol: Dilution Factor: 1.2
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.60	U	0.60	0.030
74-87-3	Chloromethane	0.60	U	0.60	0.12
75-01-4	Vinyl chloride	0.60	U	0.60	0.059
74-83-9	Bromomethane	0.60	U	0.60	0.060
75-00-3	Chloroethane	0.60	U	0.60	0.083
75-69-4	Trichlorofluoromethane	0.60	U	0.60	0.062
75-35-4	1,1-Dichloroethene	0.60	U	0.60	0.046
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.60	U	0.60	0.036
67-64-1	Acetone	2.8	J B	6.0	1.1
75-15-0	Carbon disulfide	0.60	U	0.60	0.072
79-20-9	Methyl acetate	0.60	U	0.60	0.090
75-09-2	Methylene chloride	0.60	U	0.60	0.072
156-60-5	trans-1,2-Dichloroethene	0.60	U	0.60	0.022
1634-04-4	Methyl tert-butyl ether	0.82		0.60	0.038
75-34-3	1,1-Dichloroethane	0.60	U	0.60	0.064
156-59-2	cis-1,2-Dichloroethene	0.83		0.60	0.062
78-93-3	2-Butanone	6.0	U	6.0	0.73
74-97-5	Bromochloromethane	0.60	U	0.60	0.086
67-66-3	Chloroform	0.41	J	0.60	0.056
71-55-6	1,1,1-Trichloroethane	0.14	J	0.60	0.034
110-82-7	Cyclohexane	0.60	U	0.60	0.048
56-23-5	Carbon tetrachloride	0.60	U	0.60	0.046
71-43-2	Benzene	0.60	U	0.60	0.036
107-06-2	1,2-Dichloroethane	0.60	U	0.60	0.068
79-01-6	Trichloroethene	220	E	0.60	0.065
108-87-2	Methylcyclohexane	0.60	U	0.60	0.059
78-87-5	1,2-Dichloropropane	0.60	U	0.60	0.064
75-27-4	Bromodichloromethane	0.60	U	0.60	0.052
10061-01-5	cis-1,3-Dichloropropene	0.60	U	0.60	0.043
108-10-1	4-Methyl-2-pentanone	6.0	U	6.0	0.43
108-88-3	Toluene	0.083	J	0.60	0.037
10061-02-6	trans-1,3-Dichloropropene	0.60	U	0.60	0.037
79-00-5	1,1,2-Trichloroethane	0.60	U	0.60	0.088
127-18-4	Tetrachloroethene	2.7		0.60	0.061
591-78-6	2-Hexanone	6.0	U	6.0	0.35

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: ISCO-MW5 Lab Sample ID: 200-1636-5
 Matrix: Water Lab File ID: jbmd11.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/19/2010 10:00
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 19:45
 Soil Aliquot Vol: Dilution Factor: 1.2
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.60	U	0.60	0.056
106-93-4	1,2-Dibromoethane	0.60	U	0.60	0.24
108-90-7	Chlorobenzene	0.60	U	0.60	0.047
100-41-4	Ethylbenzene	0.60	U	0.60	0.060
95-47-6	o-Xylene	0.60	U	0.60	0.049
179601-23-1	m,p-Xylene	0.068	J	0.60	0.040
100-42-5	Styrene	0.60	U	0.60	0.068
75-25-2	Bromoform	0.60	U	0.60	0.079
98-82-8	Isopropylbenzene	0.60	U	0.60	0.053
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	0.60	0.096
541-73-1	1,3-Dichlorobenzene	0.60	U	0.60	0.050
106-46-7	1,4-Dichlorobenzene	0.60	U	0.60	0.042
95-50-1	1,2-Dichlorobenzene	0.60	U	0.60	0.061
96-12-8	1,2-Dibromo-3-chloropropane	0.60	U	0.60	0.30
120-82-1	1,2,4-Trichlorobenzene	0.60	U	0.60	0.056
87-61-6	1,2,3-Trichlorobenzene	0.60	U	0.60	0.035

CAS NO.	SURROGATE	%REC	LIMITS	Q
6745-35-3	Vinyl chloride-d3	104	65-131	
19199-91-8	Chloroethane-d5	103	71-131	
22280-73-5	1,1-Dichloroethene-d2	80	55-104	
24313-50-6	2-Butanone-d5	107	49-155	
865-49-6	Chloroform-d	103	78-121	
17060-07-0	1,2-Dichloroethane-d4	110	78-129	
1076-43-3	Benzene-d6	106	77-124	
93952-08-0	1,2-Dichloropropane-d6	98	79-124	
2037-26-5	Toluene-d8	106	77-121	
93951-86-1	trans-1,3-Dichloropropene-d4	105	73-121	
4840-82-8	2-Hexanone-d5	102	28-135	
33685-54-0	1,1,2,2-Tetrachloroethane-d2	107	73-125	
2199-69-1	1,2-Dichlorobenzene-d4	110	80-131	

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: ISCO-MW5 Lab Sample ID: 200-1636-5
Matrix: Water Lab File ID: jbmd11.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/19/2010 10:00
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 19:45
Soil Aliquot Vol: _____ Dilution Factor: 1.2
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 7052 Units: ug/L
Number TICs Found: 4 TIC Result Total: 7.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	1.68	2.0	B J
	Unknown	6.93	3.4	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	1.1	B J N
	Unknown siloxane derivative	10.72	1.1	B J

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: ISCO-MW5 Lab Sample ID: 200-1636-5
Matrix: Water Lab File ID: jbmd11.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/19/2010 10:00
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 19:45
Soil Aliquot Vol: _____ Dilution Factor: 1.2
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-5
Client Smp ID: ISCO-MW5
Inj Date : 23-SEP-2010 19:45
Operator : JH2
Smp Info : 200-1636-B-5
Misc Info : 1.2,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2
Cal Date : 21-SEP-2010 17:24
Als bottle: 25
Dil Factor: 1.20000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ng)	(ug/L)
1 Dichlorodifluoromethane	85							
2 Chloromethane	50							
\$ 3 Vinyl chloride-d3	65		1.556	1.563	(0.278)	252988	130.380	5.2
4 Vinyl chloride	62							
5 Bromomethane	94							
\$ 6 Chloroethane-d5	69		1.861	1.867	(0.332)	205358	129.155	5.2
7 Chloroethane	64							
8 Trichlorofluoromethane	101							
\$ 9 1,1-Dichloroethene-d2	63		2.475	2.481	(0.442)	305454	99.4649	4.0
10 1,1-Dichloroethene	96							
11 1,1,2-Trichloro-1,2,2-trifluo	101							
12 Acetone	43		2.536	2.536	(0.453)	4349	58.2039	2.8
13 Carbon disulfide	76							
14 Methyl acetate	43							
15 Methylene chloride	84							

						CONCENTRATIONS		
		QUANT	SIG			ON-COLUMN	FINAL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
=====		=====	==	=====	=====	=====	=====	=====
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	17 Methyl tert-butyl ether	73	3.156	3.156	(0.564)	32108	17.0368	0.82
	18 1,1-Dichloroethane	63	Compound Not Detected.					
\$	19 2-Butanone-d5	46	4.148	4.148	(0.741)	153960	1340.85	54
	20 cis-1,2-Dichloroethene	96	4.191	4.191	(0.749)	28838	17.2493	0.83
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
\$	23 Chloroform-d	84	4.525	4.525	(0.809)	359710	129.287	5.2
	24 Chloroform	83	4.544	4.544	(0.812)	23999	8.63532	0.41
	25 1,1,1-Trichloroethane	97	4.738	4.738	(0.528)	8542	2.83199	0.14
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
\$	28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.911)	122460	137.688	5.5
\$	29 Benzene-d6	84	5.109	5.109	(0.569)	841492	132.720	5.3
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.596	5.590	(1.000)	724860	125.000	
	33 Trichloroethene	95	5.882	5.882	(0.656)	8663119	4598.58	220(A)
\$	34 1,2-Dichloropropane-d6	67	6.040	6.040	(0.673)	204748	122.446	4.9
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	39 4-Methyl-2-pentanone	43	Compound Not Detected.					
\$	40 Toluene-d8	98	7.275	7.275	(0.811)	822091	131.910	5.3
	41 Toluene	91	7.354	7.354	(0.820)	12955	1.73250	0.083
\$	42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)	151397	131.080	5.2
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	7.987	7.987	(0.890)	96059	56.9376	2.7
\$	46 2-Hexanone-d5	63	8.090	8.090	(0.902)	139166	1271.66	51
	47 2-Hexanone	43	Compound Not Detected.					
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	562205	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	Compound Not Detected.					
	53 m,p-Xylene	106	9.289	9.289	(1.035)	4788	1.42702	0.068(Q)
	54 Styrene	104	Compound Not Detected.					
	55 o-Xylene	106	Compound Not Detected.					
	56 Bromoform	172	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
\$	58 1,1,2,2-Tetrachloroethane-d2	84	10.566	10.560	(1.178)	69839	133.836	5.4
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.807	11.807	(1.000)	239105	125.000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	182074	138.014	5.5
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-5
Client Smp ID: ISCO-MW5
Inj Date : 23-SEP-2010 19:45
Operator : JH2
Smp Info : 200-1636-B-5
Misc Info : 1.2,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2
Cal Date : 21-SEP-2010 17:24
Als bottle: 25
Dil Factor: 1.20000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

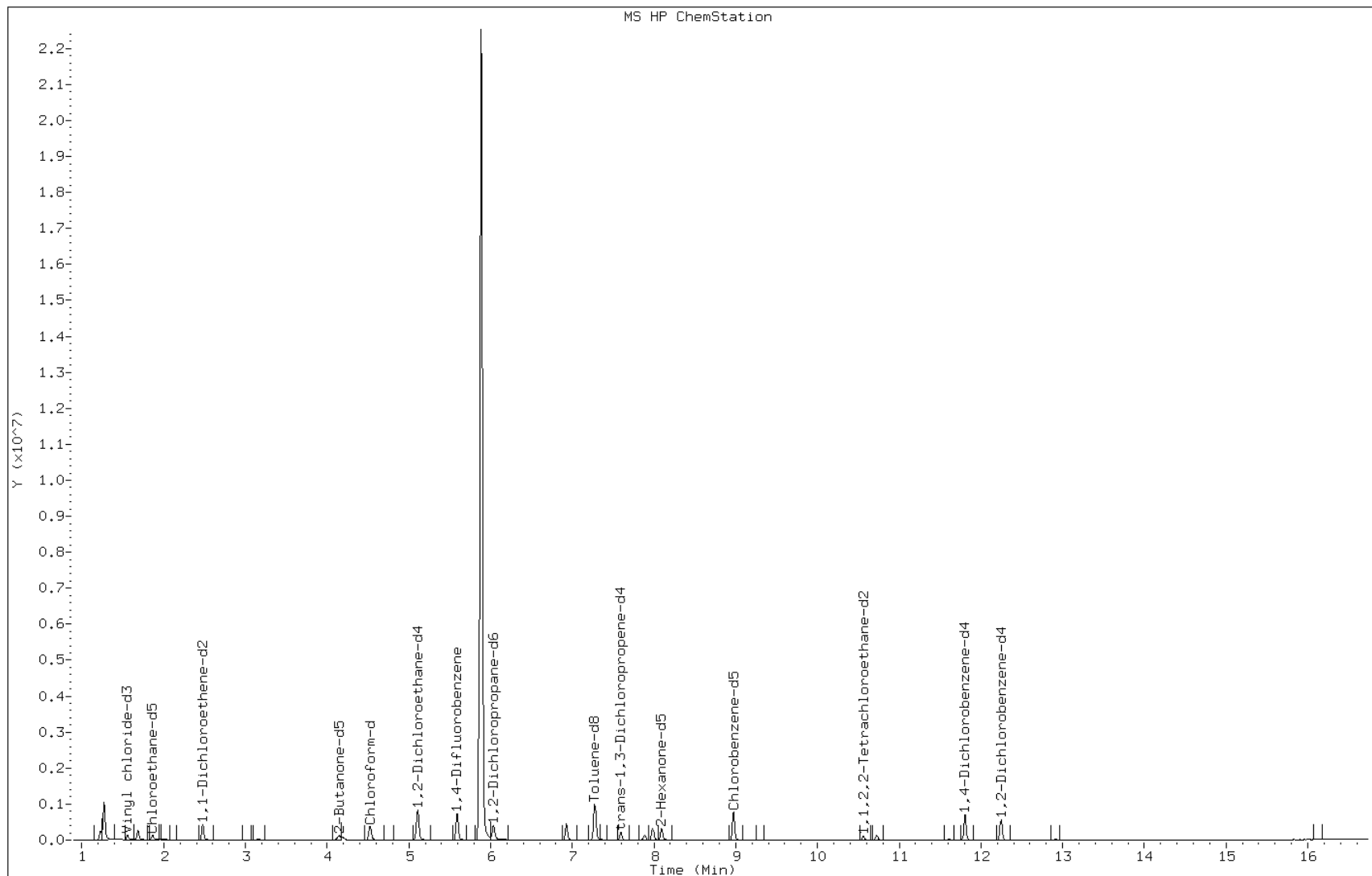
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.596	1606382	125.000
* 50 Chlorobenzene-d5	8.972	1607285	125.000
* 61 1,4-Dichlorobenzene-d4	11.807	1385750	125.000

RT	AREA	CONCENTRATIONS		QUAL	LIBRARY	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)			LIB ENTRY		
=====	=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:			
1.684	542029	42.1777761	2.0	0		0	32	

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
6.928	918394	71.4644915	3.4	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.883	301758	23.4679599	1.1	90	NIST05.1	73123	50
Unknown siloxane derivative					CAS #:		
10.724	262965	23.7204461	1.1	0		0	61

Data File: jbmd11.d
Client ID: ISCO-MW5
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 200-1636-B-5
Lab Sample ID: 200-1636-5

Date: 23-SEP-2010 19:45
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



Data File: jbmdd11.d

Lab Sample ID: 200-1636-5

Date: 23-SEP-2010 19:45

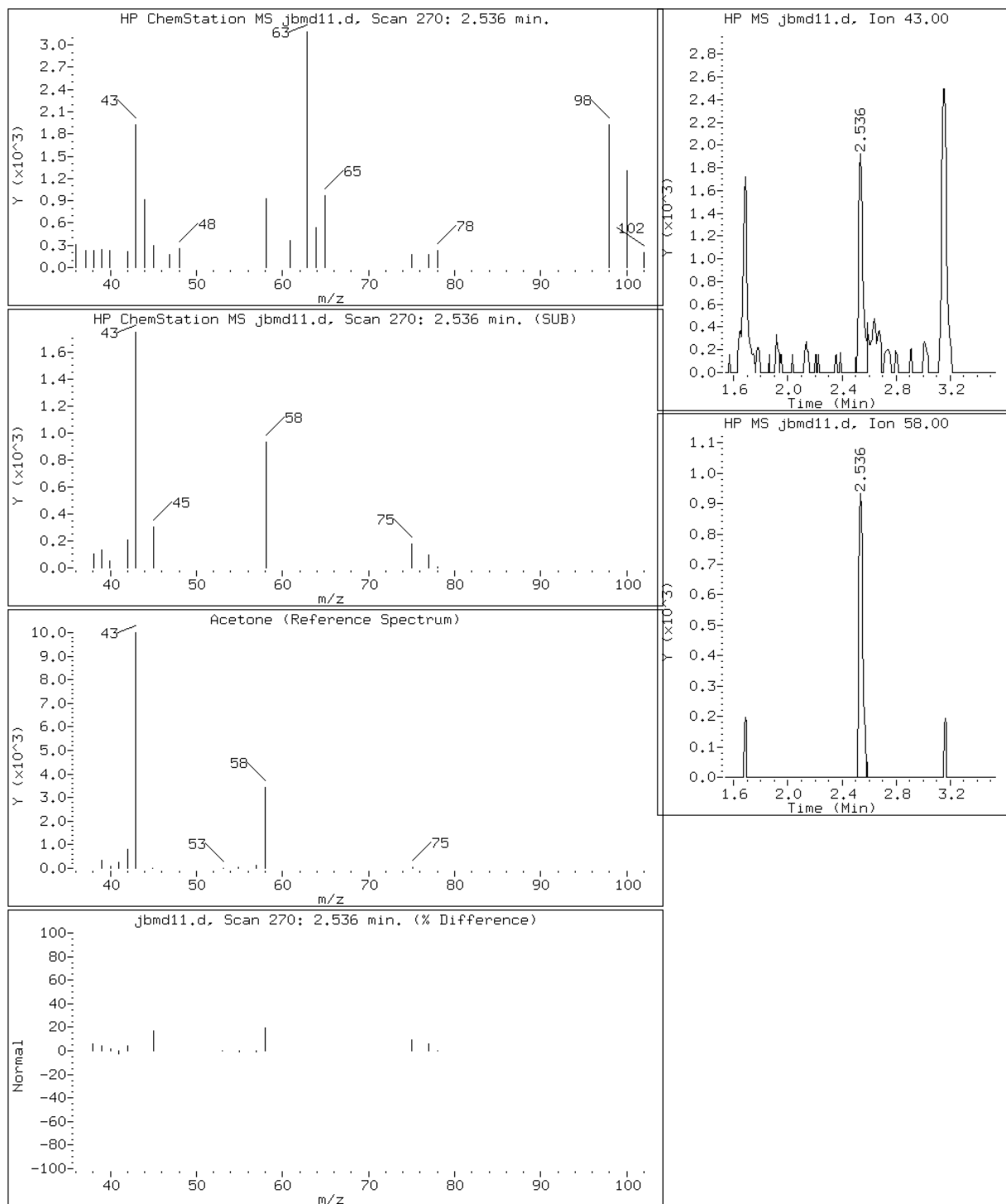
Client ID: ISCO-MW5

Instrument: J.i

Sample Info: 200-1636-B-5

Operator: JH2

12 Acetone



Data File: jbmdd11.d

Lab Sample ID: 200-1636-5

Date: 23-SEP-2010 19:45

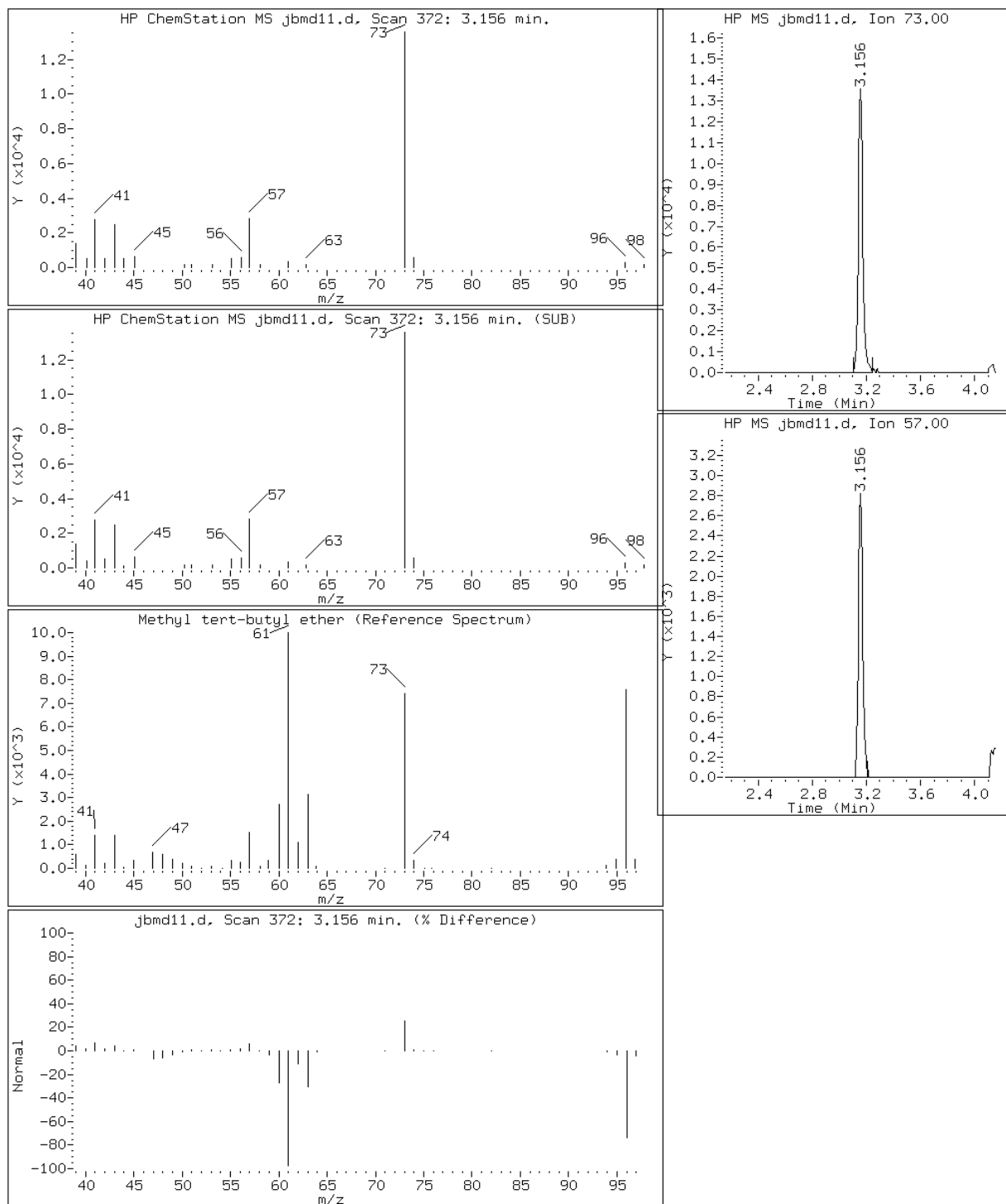
Client ID: ISCO-MW5

Instrument: J.i

Sample Info: 200-1636-B-5

Operator: JH2

17 Methyl tert-butyl ether



Data File: jbmdd11.d

Lab Sample ID: 200-1636-5

Date: 23-SEP-2010 19:45

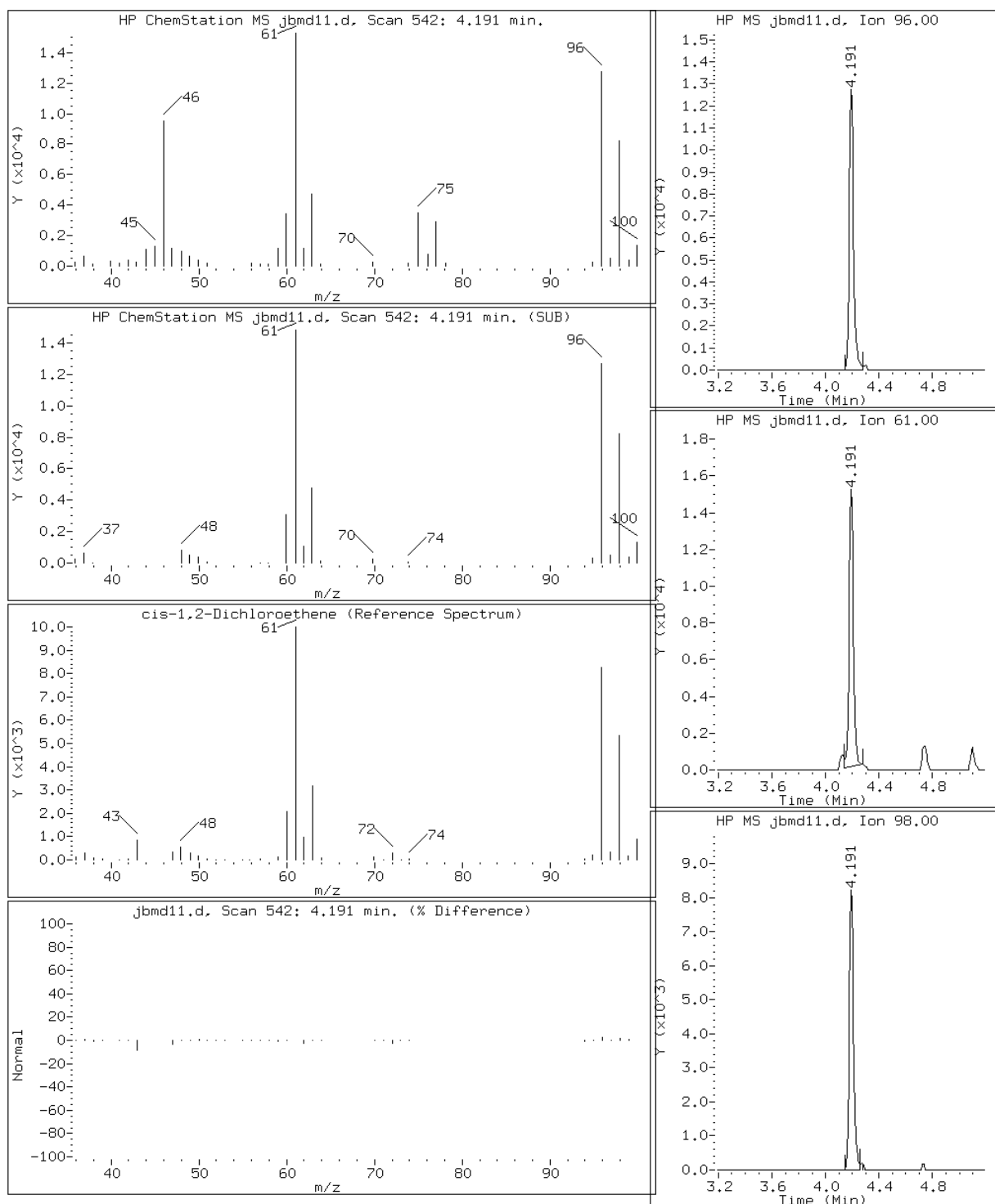
Client ID: ISCO-MW5

Instrument: J.i

Sample Info: 200-1636-B-5

Operator: JH2

20 cis-1,2-Dichloroethene



Data File: jbmdd11.d

Lab Sample ID: 200-1636-5

Date: 23-SEP-2010 19:45

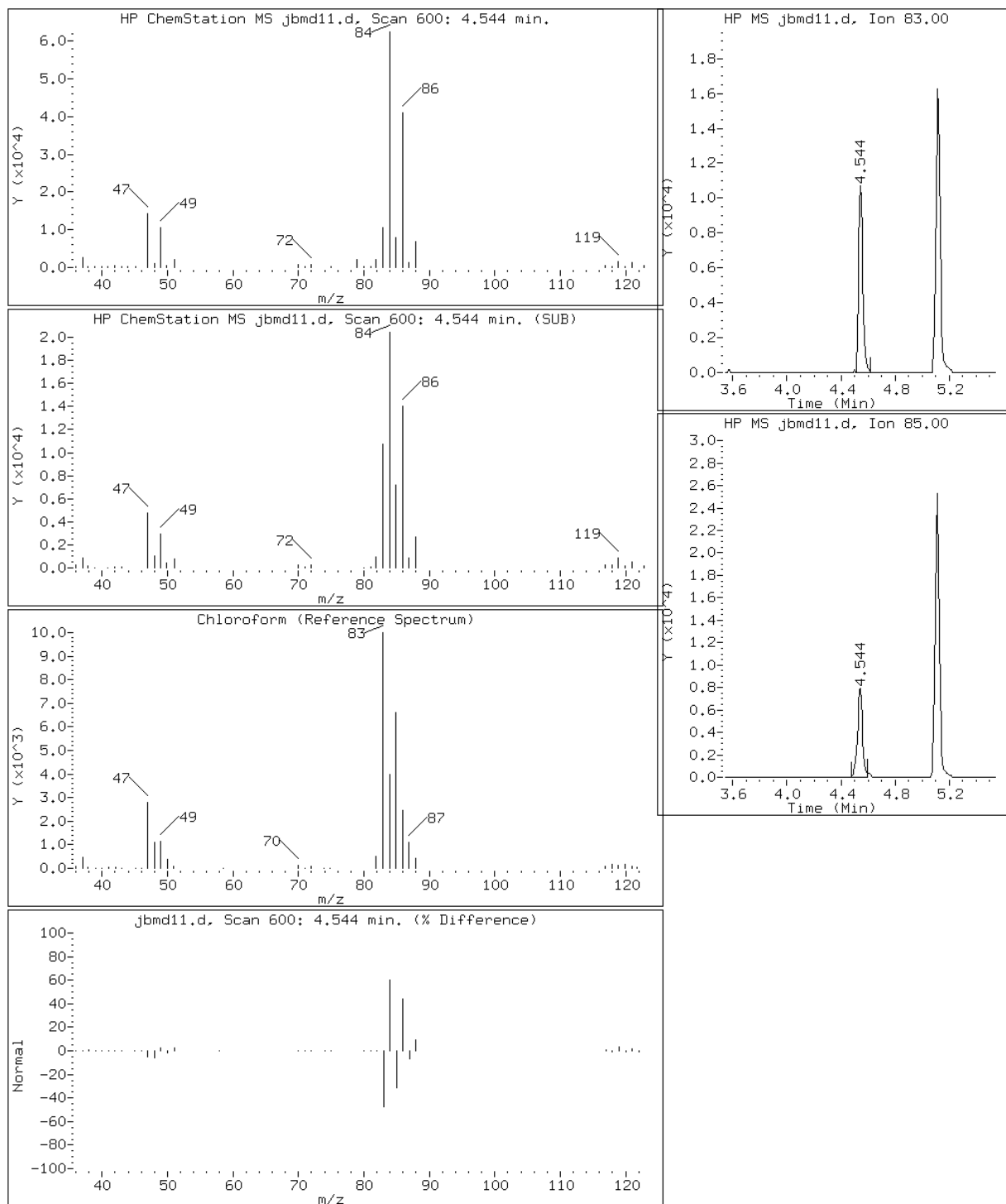
Client ID: ISCO-MW5

Instrument: J.i

Sample Info: 200-1636-B-5

Operator: JH2

24 Chloroform



Data File: jbmdd11.d

Lab Sample ID: 200-1636-5

Date: 23-SEP-2010 19:45

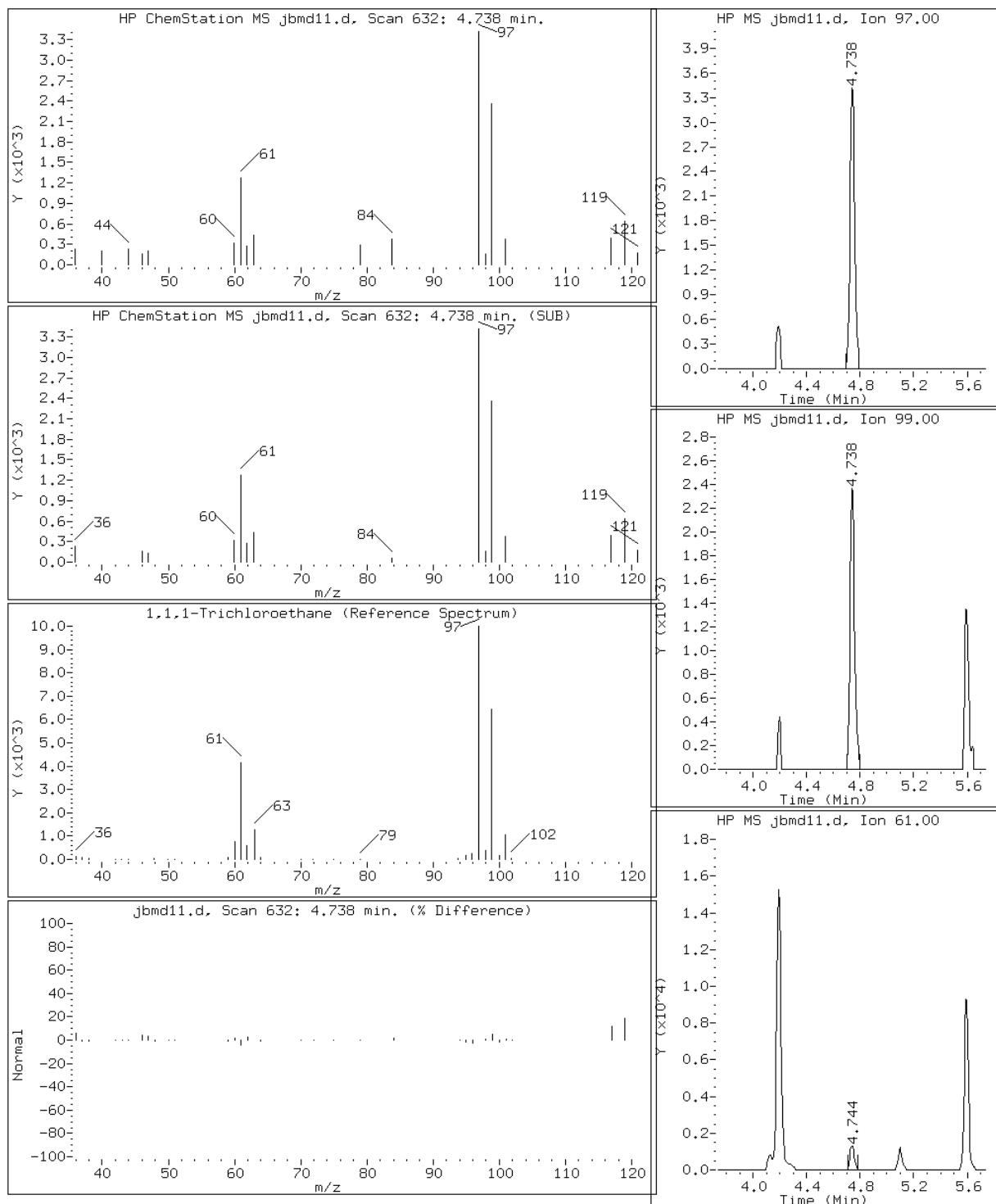
Client ID: ISCO-MW5

Instrument: J.i

Sample Info: 200-1636-B-5

Operator: JH2

25 1,1,1-Trichloroethane



Data File: jbmdd11.d

Lab Sample ID: 200-1636-5

Date: 23-SEP-2010 19:45

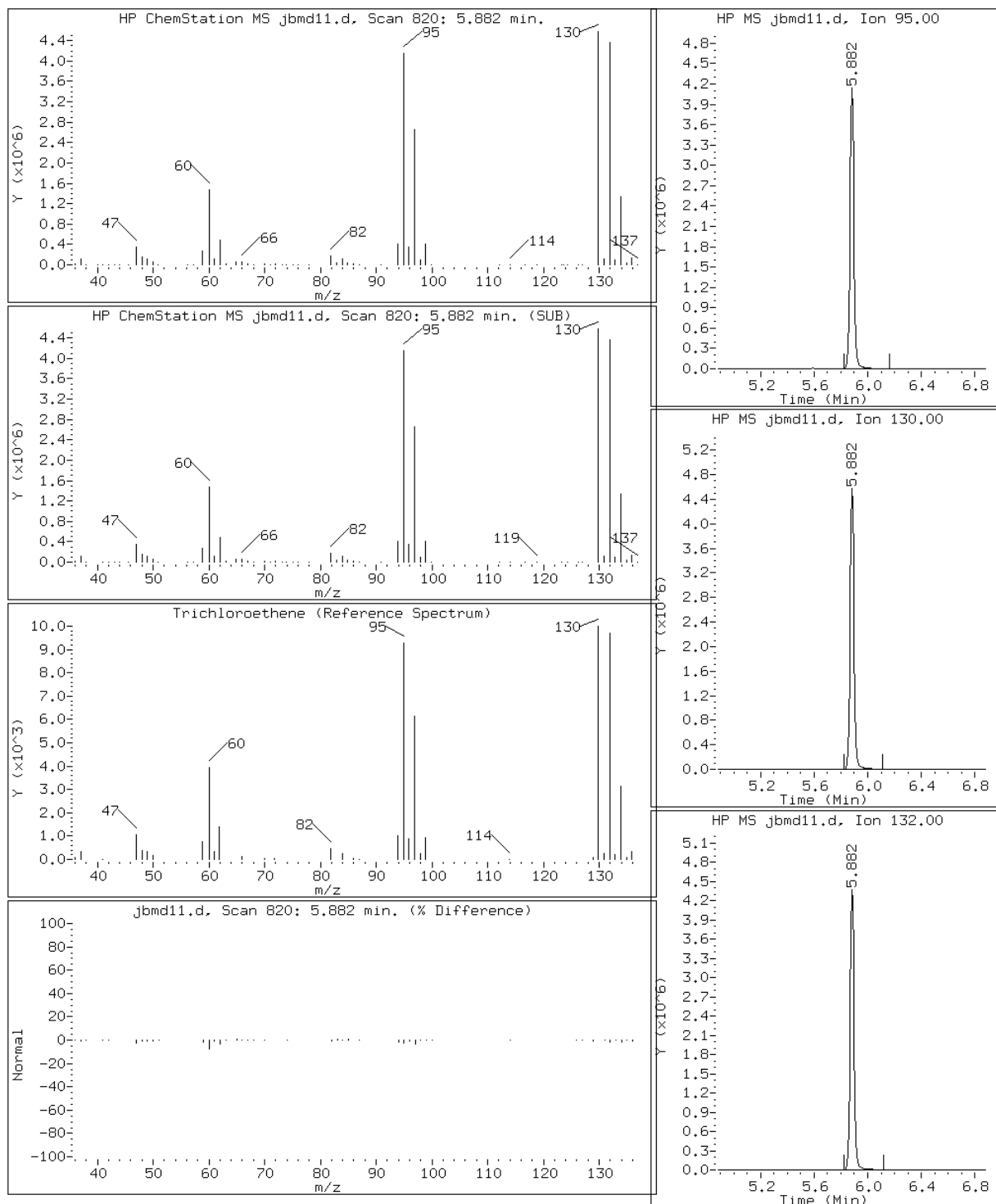
Client ID: ISCO-MW5

Instrument: J.i

Sample Info: 200-1636-B-5

Operator: JH2

33 Trichloroethene



Data File: jbmdd11.d

Lab Sample ID: 200-1636-5

Date: 23-SEP-2010 19:45

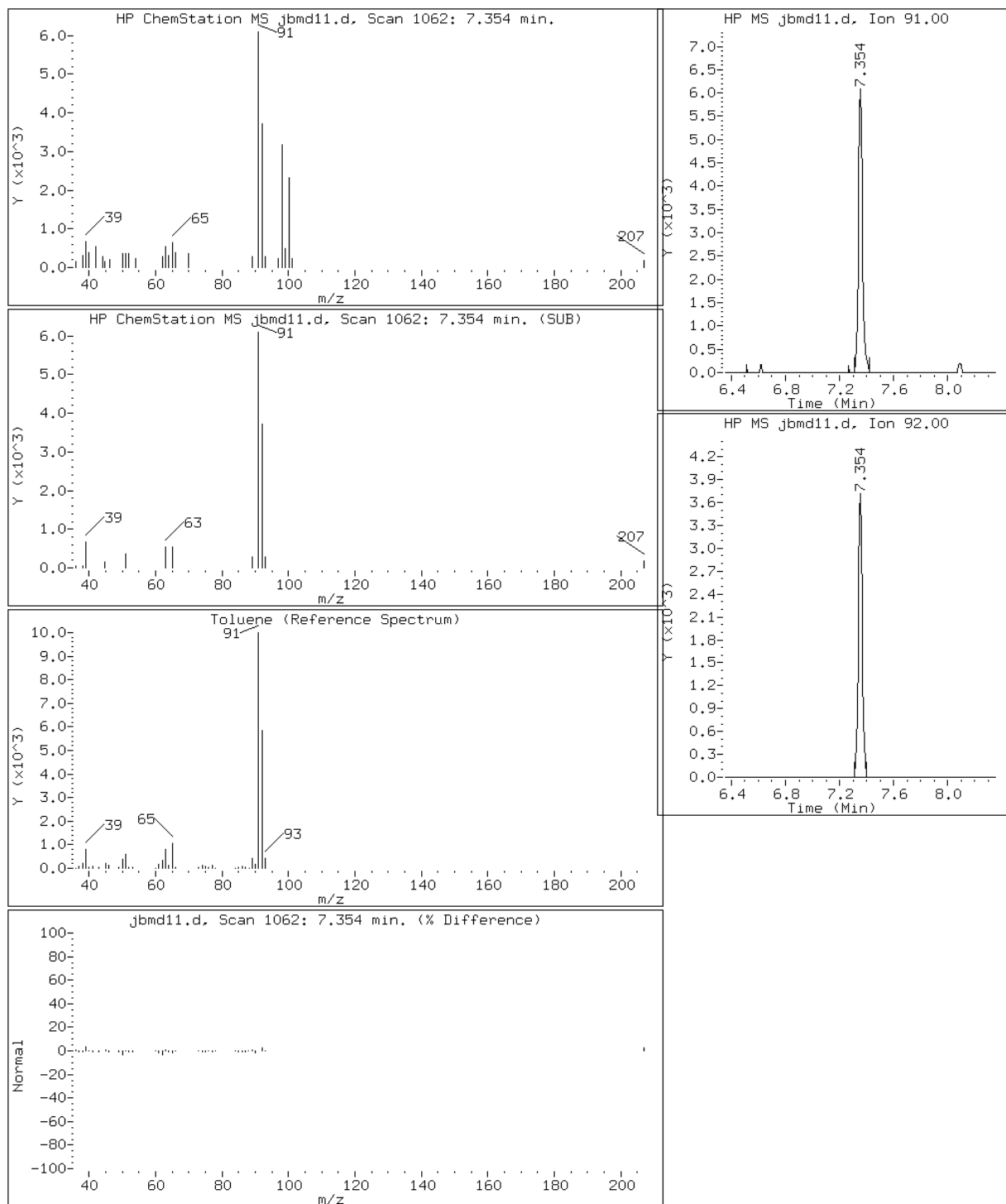
Client ID: ISCO-MW5

Instrument: J.i

Sample Info: 200-1636-B-5

Operator: JH2

41 Toluene



Data File: jbmdd11.d

Lab Sample ID: 200-1636-5

Date: 23-SEP-2010 19:45

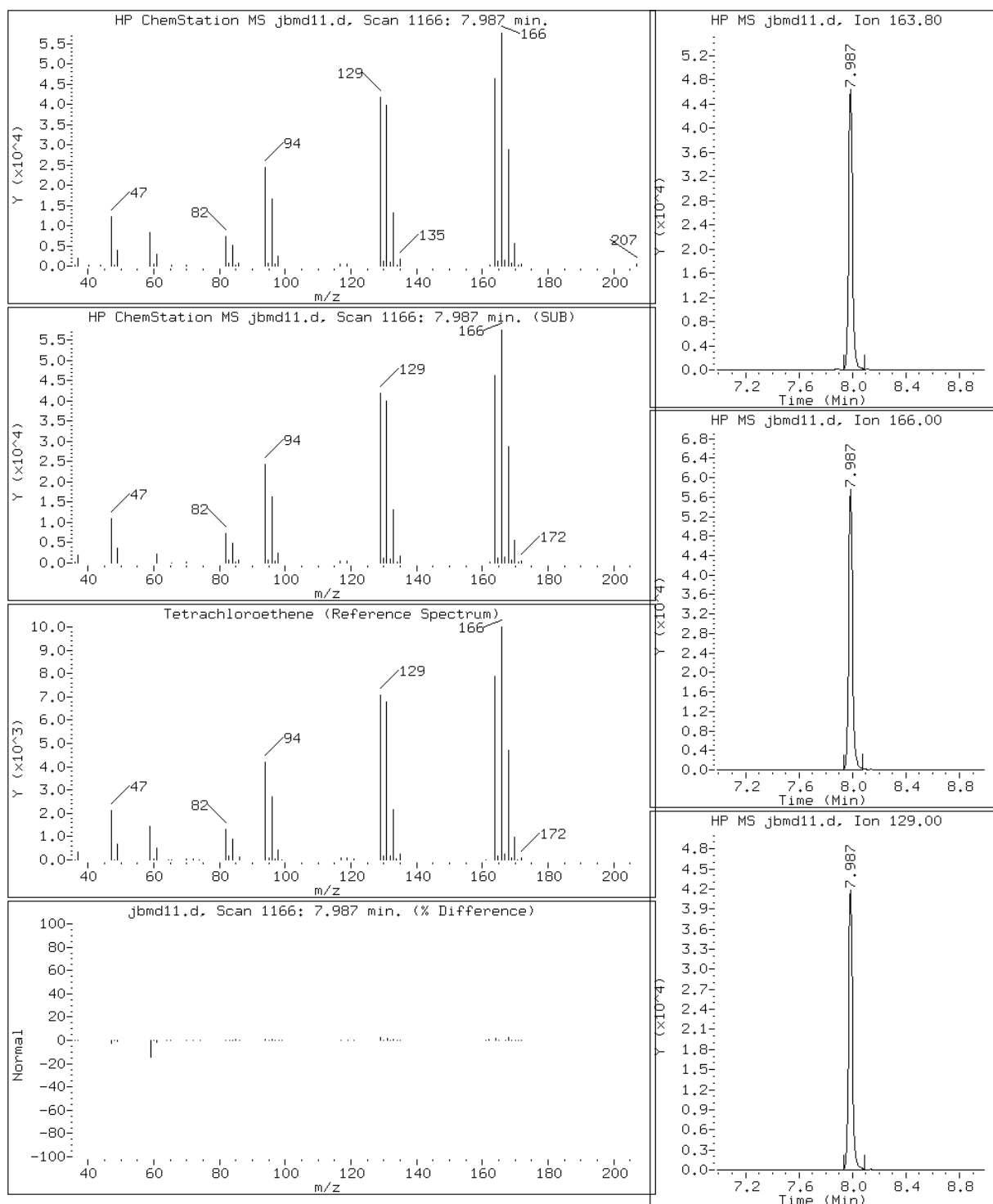
Client ID: ISCO-MW5

Instrument: J.i

Sample Info: 200-1636-B-5

Operator: JH2

45 Tetrachloroethene



Data File: jbmdd11.d

Lab Sample ID: 200-1636-5

Date: 23-SEP-2010 19:45

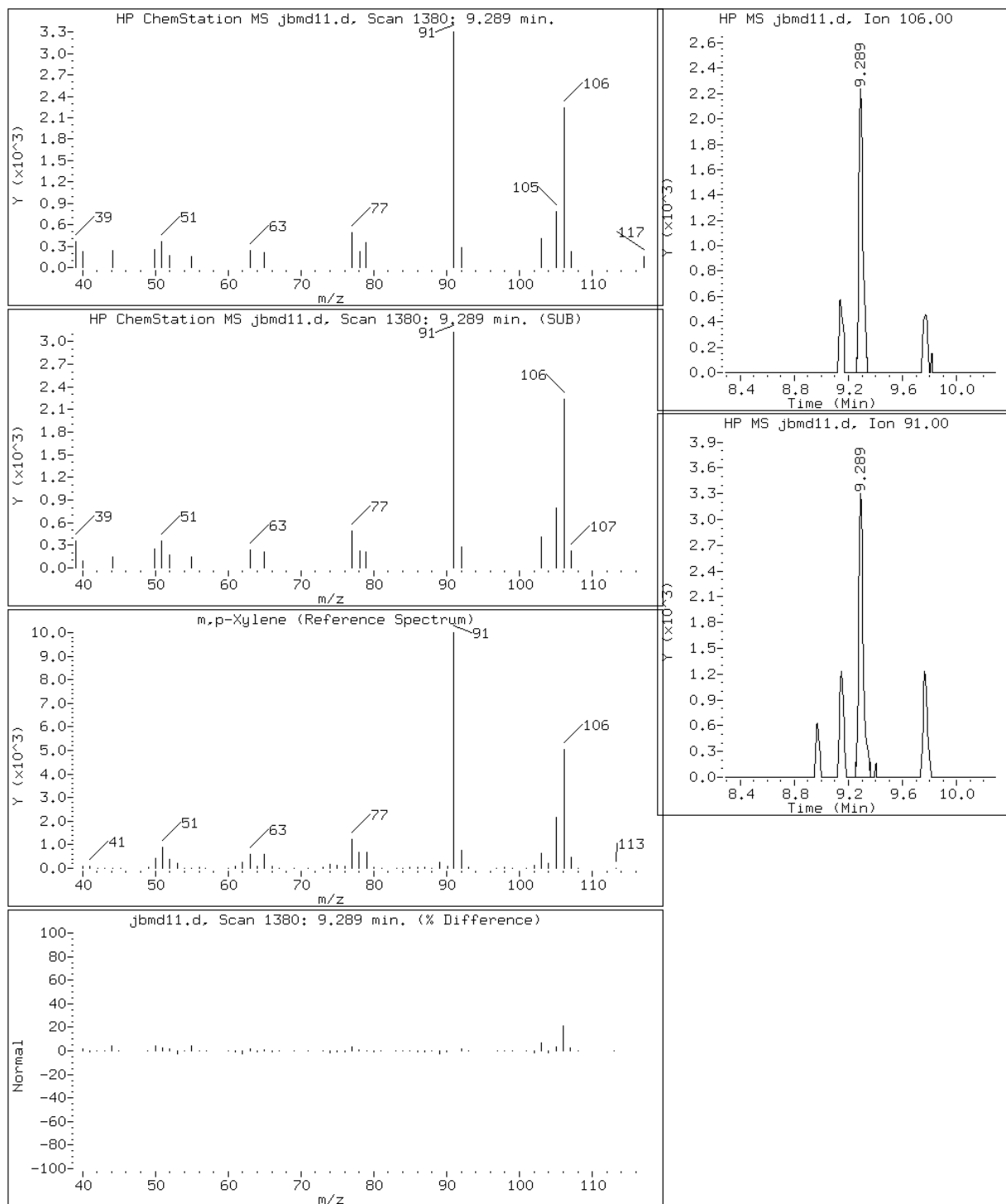
Client ID: ISCO-MW5

Instrument: J.i

Sample Info: 200-1636-B-5

Operator: JH2

53 m,p-Xylene



Data File: jbmdd11.d

Lab Sample ID: 200-1636-5

Client ID: ISCO-MW5

Sample Info: 200-1636-B-5

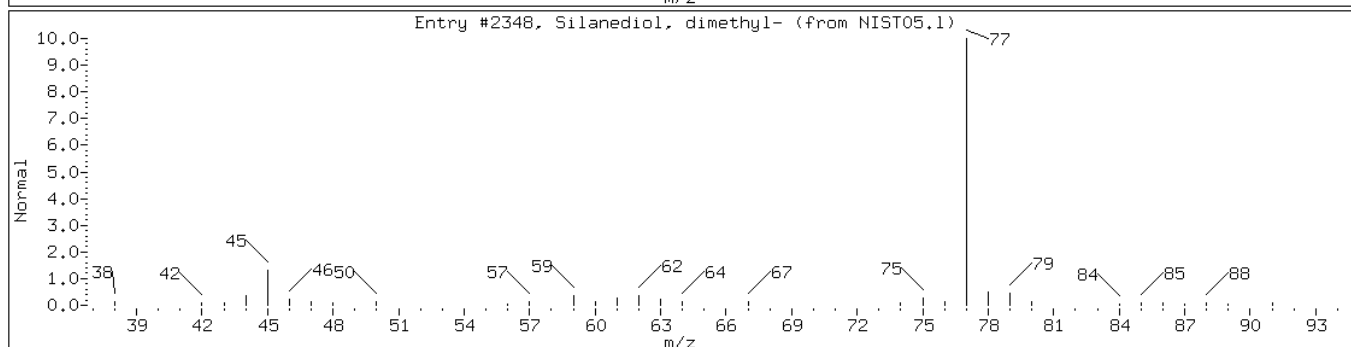
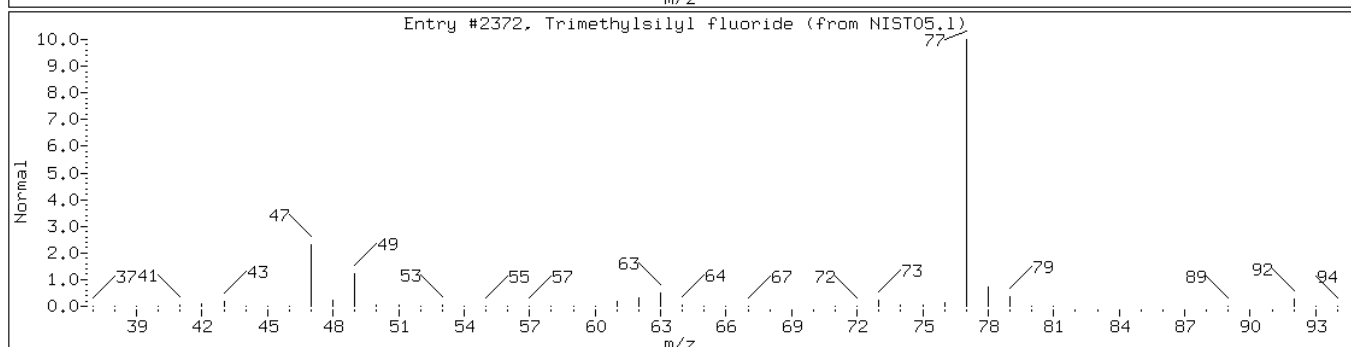
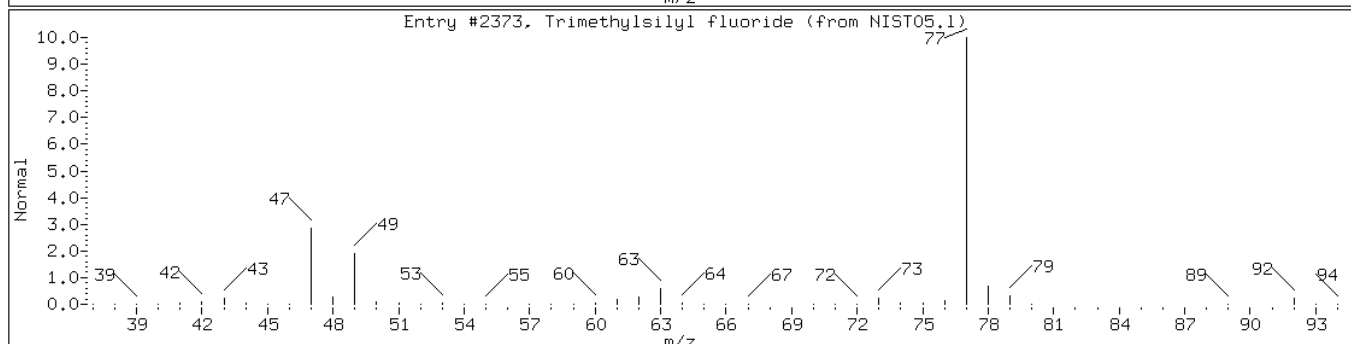
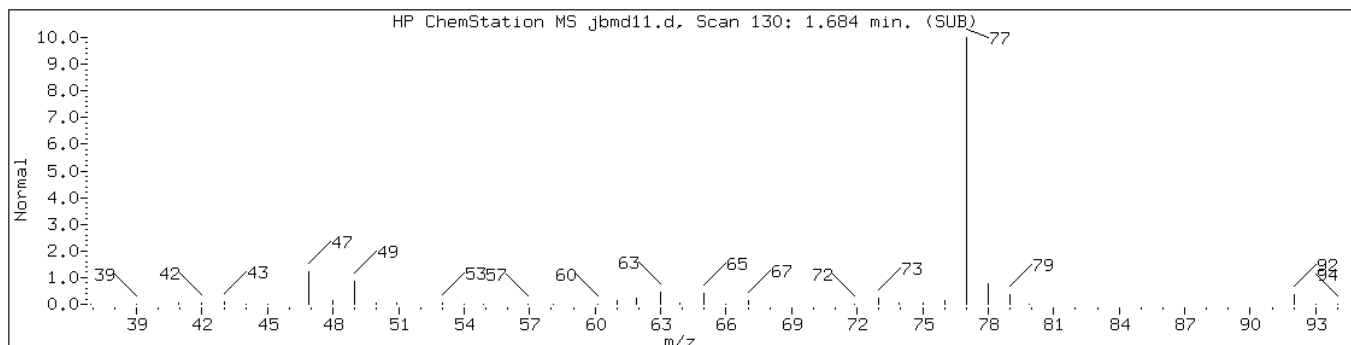
Date: 23-SEP-2010 19:45

Instrument: J.i

Operator: JH2

Retention Time: 1.68

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	90	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	87	C3H9FSi	92
Silanediol, dimethyl-	1066-42-8	NIST05.1	2348	4	C2H8O2Si	92



Data File: jbmdd11.d

Lab Sample ID: 200-1636-5

Client ID: ISCO-MW5

Sample Info: 200-1636-B-5

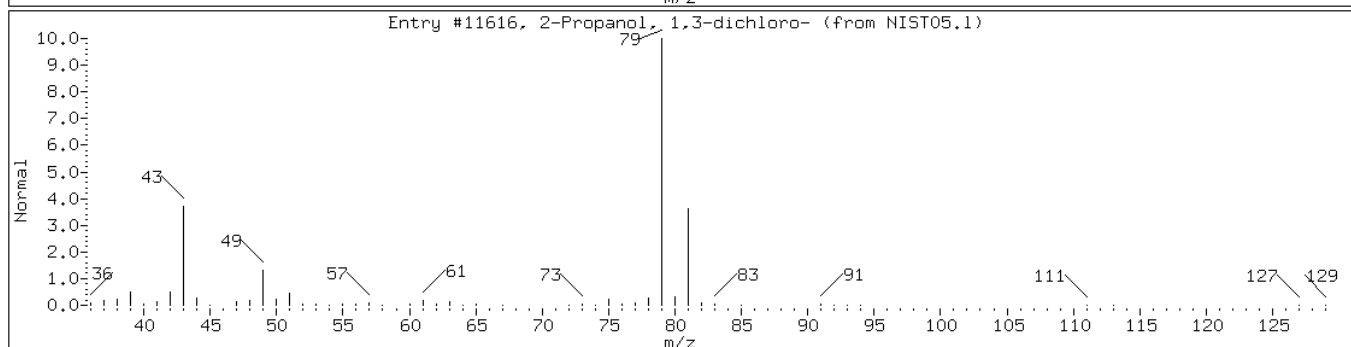
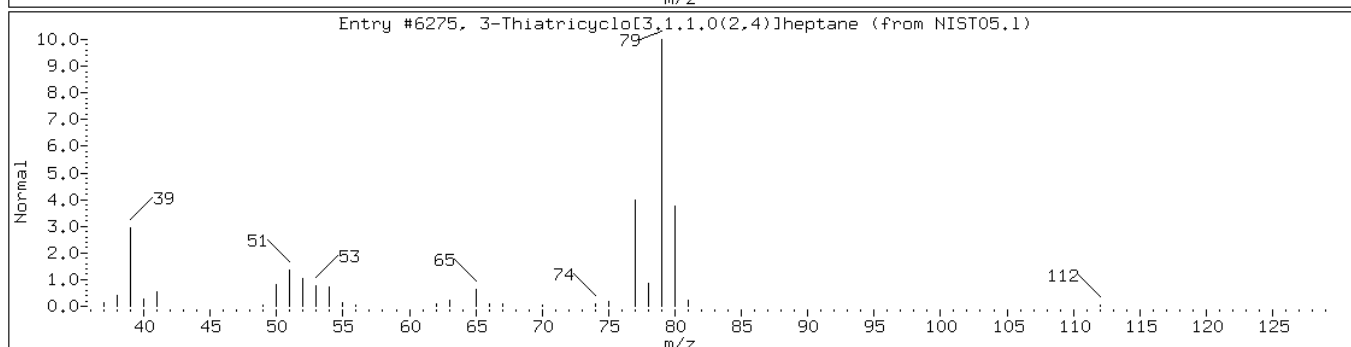
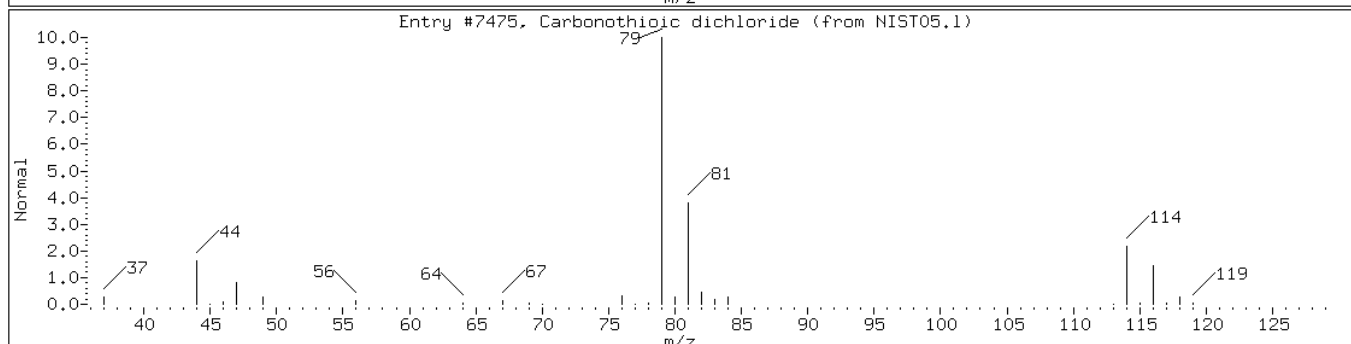
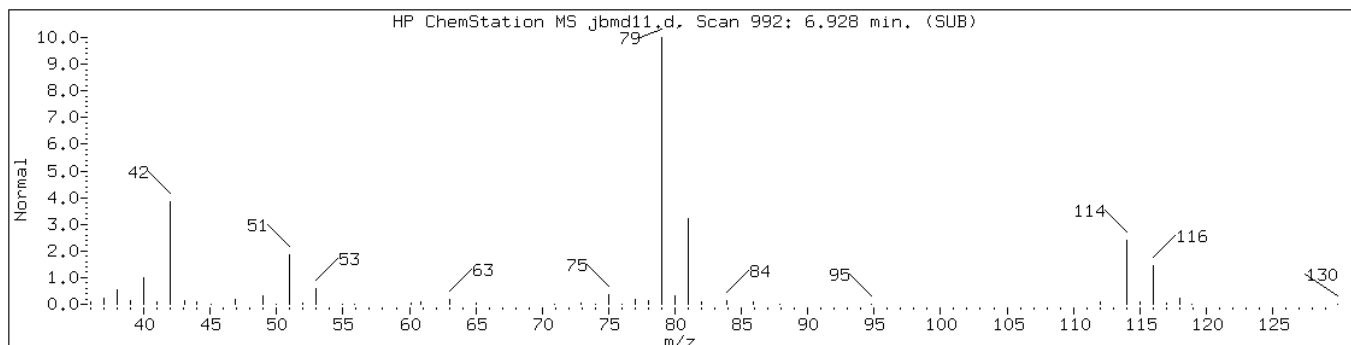
Date: 23-SEP-2010 19:45

Instrument: J.i

Operator: JH2

Retention Time: 6.93

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	50	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.1	6275	38	C6H8S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	25	C3H6Cl2O	128



Data File: jbmdd11.d

Lab Sample ID: 200-1636-5

Client ID: ISCO-MW5

Sample Info: 200-1636-B-5

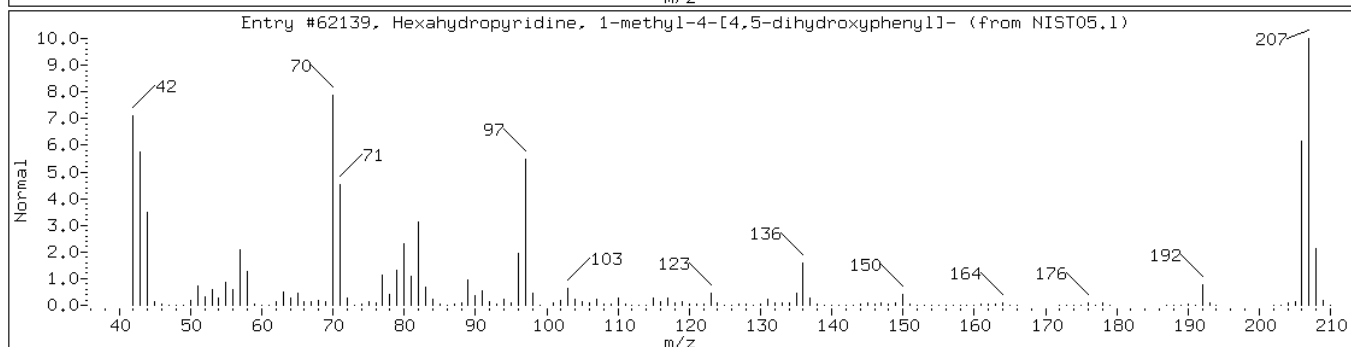
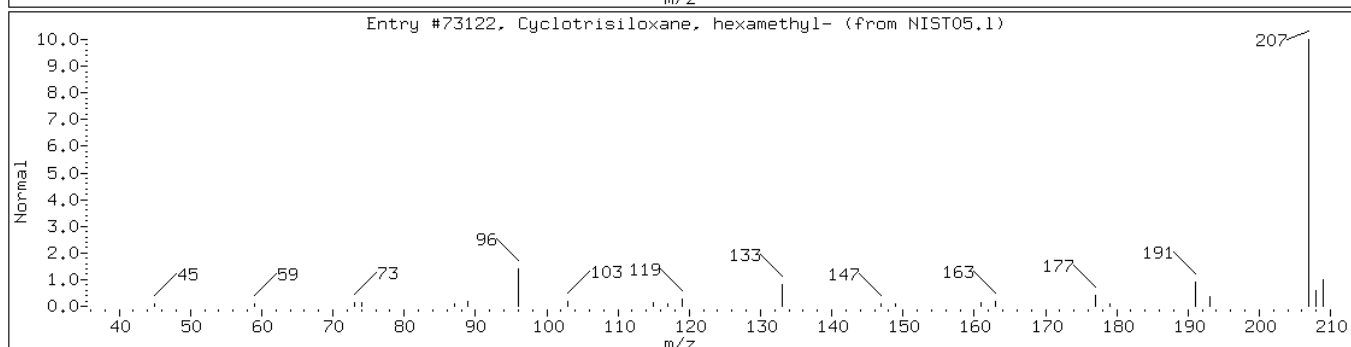
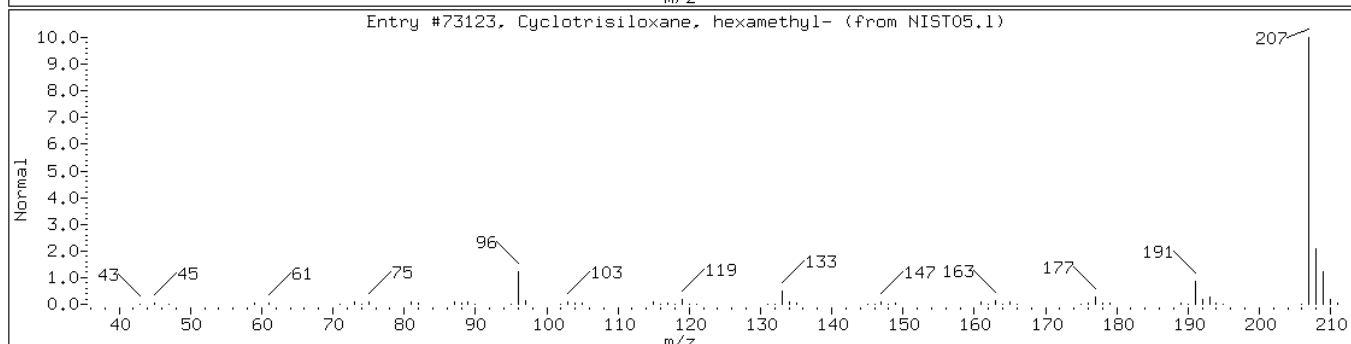
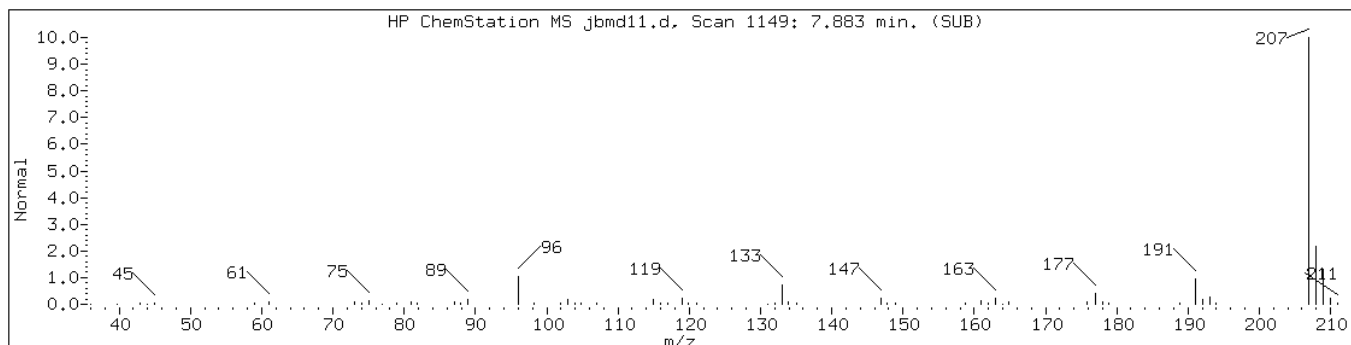
Date: 23-SEP-2010 19:45

Instrument: J.i

Operator: JH2

Retention Time: 7.88

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	90	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	80	C ₆ H ₁₈ O ₃ Si ₃	222
Hexahydropyridine, 1-methyl-4-[4,5	94427-47-1	NIST05.1	62139	53	C ₁₂ H ₁₇ N ₀₂	207



Data File: jbmdd11.d

Lab Sample ID: 200-1636-5

Client ID: ISCO-MW5

Sample Info: 200-1636-B-5

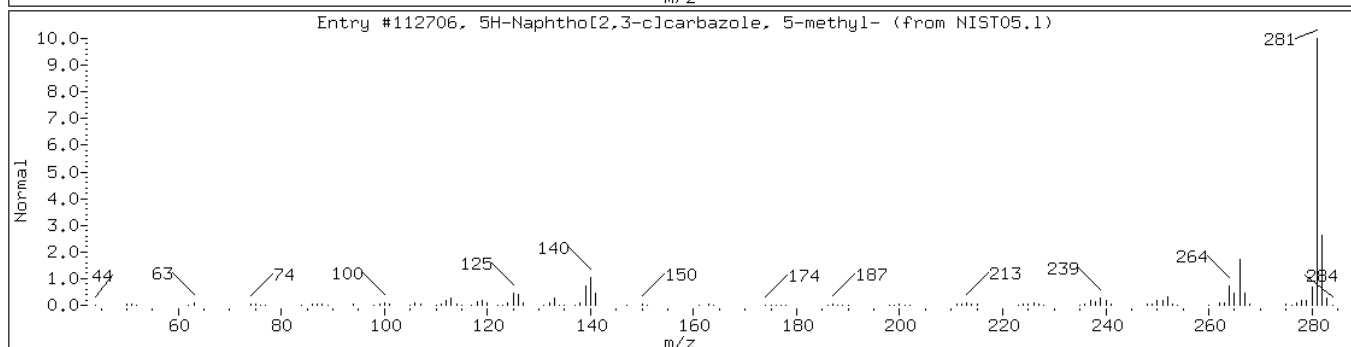
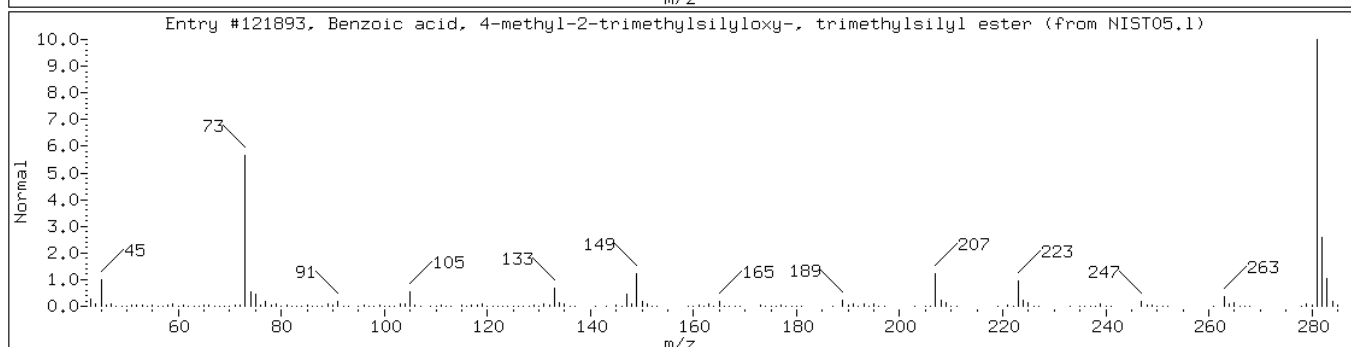
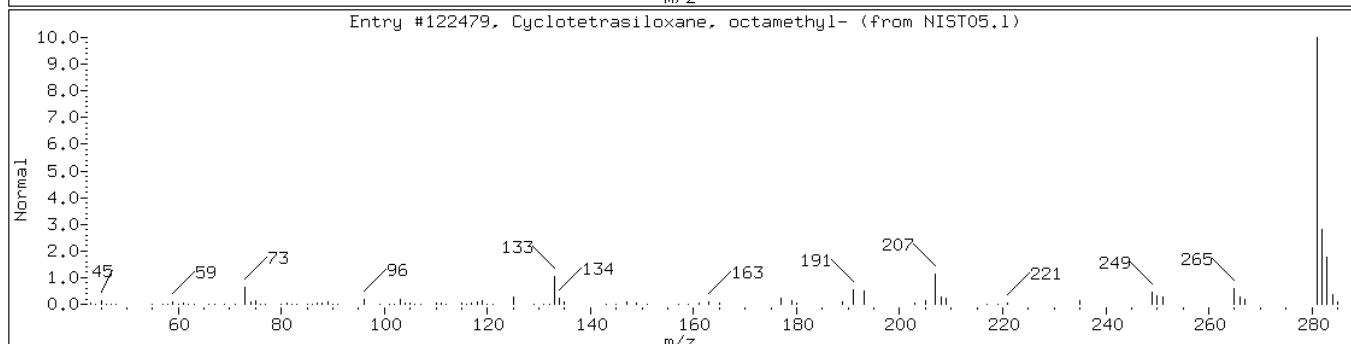
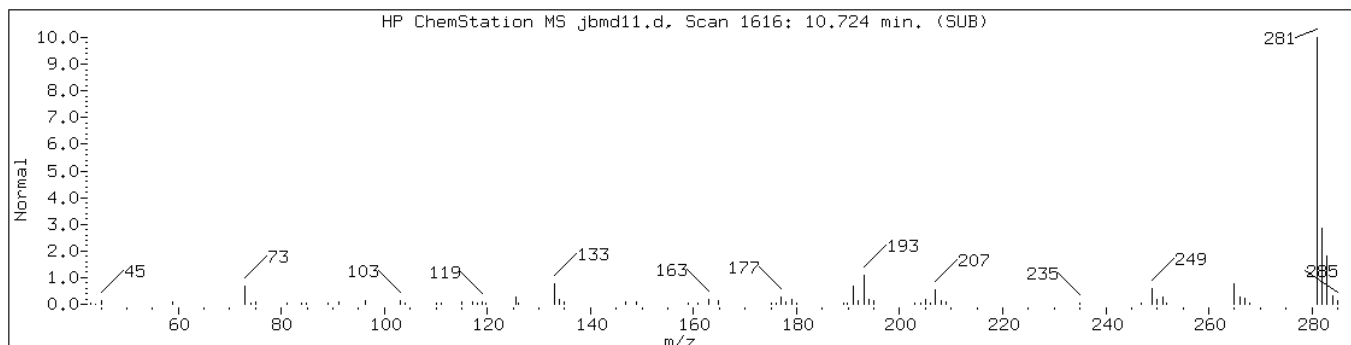
Date: 23-SEP-2010 19:45

Instrument: J.i

Operator: JH2

Retention Time: 10.72

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	86	C ₈ H ₂₄ O ₄ Si ₄	296
Benzoic acid, 4-methyl-2-trimethyl	1000153-59-3	NIST05.1	121893	64	C ₁₄ H ₂₄ O ₃ Si ₂	296
5H-Naphtho[2,3-c]carbazole, 5-meth	100025-44-3	NIST05.1	112706	59	C ₂₁ H ₁₅ N	281



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-1636-1</u>
SDG No.: <u>200-1636-1</u>	
Client Sample ID: <u>ISCO-MW5 DL</u>	Lab Sample ID: <u>200-1636-5 DL</u>
Matrix: <u>Water</u>	Lab File ID: <u>jbmcl7.d</u>
Analysis Method: <u>SOM01.2/VOA_Tr</u>	Date Collected: <u>09/19/2010 10:00</u>
Sample wt/vol: <u>25 (mL)</u>	Date Analyzed: <u>09/23/2010 13:52</u>
Soil Aliquot Vol: <u> </u>	Dilution Factor: <u>13.3</u>
Soil Extract Vol.: <u> </u>	GC Column: <u>DB-624</u> ID: <u>0.2 (mm)</u>
% Moisture: <u> </u>	Level: (low/med) <u>Trace</u>
Analysis Batch No.: <u>6993</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	6.6	U	6.6	0.33
74-87-3	Chloromethane	6.6	U	6.6	1.3
75-01-4	Vinyl chloride	6.6	U	6.6	0.65
74-83-9	Bromomethane	6.6	U	6.6	0.66
75-00-3	Chloroethane	6.6	U	6.6	0.92
75-69-4	Trichlorofluoromethane	6.6	U	6.6	0.69
75-35-4	1,1-Dichloroethene	6.6	U	6.6	0.51
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.6	U	6.6	0.40
67-64-1	Acetone	39	J D B	66	12
75-15-0	Carbon disulfide	6.6	U	6.6	0.80
79-20-9	Methyl acetate	6.6	U	6.6	1.0
75-09-2	Methylene chloride	6.6	U	6.6	0.80
156-60-5	trans-1,2-Dichloroethene	6.6	U	6.6	0.24
1634-04-4	Methyl tert-butyl ether	0.83	J D	6.6	0.43
75-34-3	1,1-Dichloroethane	6.6	U	6.6	0.70
156-59-2	cis-1,2-Dichloroethene	0.83	J D	6.6	0.69
78-93-3	2-Butanone	66	U	66	8.1
74-97-5	Bromochloromethane	6.6	U	6.6	0.96
67-66-3	Chloroform	6.6	U	6.6	0.63
71-55-6	1,1,1-Trichloroethane	6.6	U	6.6	0.37
110-82-7	Cyclohexane	6.6	U	6.6	0.53
56-23-5	Carbon tetrachloride	6.6	U	6.6	0.51
71-43-2	Benzene	6.6	U	6.6	0.40
107-06-2	1,2-Dichloroethane	6.6	U	6.6	0.76
79-01-6	Trichloroethene	200	D	6.6	0.72
108-87-2	Methylcyclohexane	6.6	U	6.6	0.65
78-87-5	1,2-Dichloropropane	6.6	U	6.6	0.70
75-27-4	Bromodichloromethane	6.6	U	6.6	0.57
10061-01-5	cis-1,3-Dichloropropene	6.6	U	6.6	0.48
108-10-1	4-Methyl-2-pentanone	66	U	66	4.8
108-88-3	Toluene	6.6	U	6.6	0.41
10061-02-6	trans-1,3-Dichloropropene	6.6	U	6.6	0.41
79-00-5	1,1,2-Trichloroethane	6.6	U	6.6	0.97
127-18-4	Tetrachloroethene	2.7	J D	6.6	0.68
591-78-6	2-Hexanone	66	U	66	3.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: ISCO-MW5 DL Lab Sample ID: 200-1636-5 DL
 Matrix: Water Lab File ID: jbmcl7.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/19/2010 10:00
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 13:52
 Soil Aliquot Vol: Dilution Factor: 13.3
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 6993 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	6.6	U	6.6	0.63
106-93-4	1,2-Dibromoethane	6.6	U	6.6	2.7
108-90-7	Chlorobenzene	6.6	U	6.6	0.52
100-41-4	Ethylbenzene	6.6	U	6.6	0.66
95-47-6	o-Xylene	6.6	U	6.6	0.55
179601-23-1	m,p-Xylene	6.6	U	6.6	0.44
100-42-5	Styrene	6.6	U	6.6	0.76
75-25-2	Bromoform	6.6	U	6.6	0.88
98-82-8	Isopropylbenzene	6.6	U	6.6	0.59
79-34-5	1,1,2,2-Tetrachloroethane	6.6	U	6.6	1.1
541-73-1	1,3-Dichlorobenzene	6.6	U	6.6	0.56
106-46-7	1,4-Dichlorobenzene	6.6	U	6.6	0.47
95-50-1	1,2-Dichlorobenzene	6.6	U	6.6	0.68
96-12-8	1,2-Dibromo-3-chloropropane	6.6	U	6.6	3.3
120-82-1	1,2,4-Trichlorobenzene	6.6	U	6.6	0.63
87-61-6	1,2,3-Trichlorobenzene	6.6	U	6.6	0.39

CAS NO.	SURROGATE	%REC	LIMITS	Q
6745-35-3	Vinyl chloride-d3	100	65-131	
19199-91-8	Chloroethane-d5	101	71-131	
22280-73-5	1,1-Dichloroethene-d2	79	55-104	
24313-50-6	2-Butanone-d5	99	49-155	
865-49-6	Chloroform-d	102	78-121	
17060-07-0	1,2-Dichloroethane-d4	108	78-129	
1076-43-3	Benzene-d6	107	77-124	
93952-08-0	1,2-Dichloropropane-d6	94	79-124	
2037-26-5	Toluene-d8	103	77-121	
93951-86-1	trans-1,3-Dichloropropene-d4	101	73-121	
4840-82-8	2-Hexanone-d5	100	28-135	
33685-54-0	1,1,2,2-Tetrachloroethane-d2	103	73-125	
2199-69-1	1,2-Dichlorobenzene-d4	107	80-131	

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: ISCO-MW5 DL Lab Sample ID: 200-1636-5 DL
Matrix: Water Lab File ID: jbmcl7.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/19/2010 10:00
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 13:52
Soil Aliquot Vol: _____ Dilution Factor: 13.3
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 6993 Units: ug/L
Number TICs Found: 2 TIC Result Total: 44.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	6.93	36	B X D J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	8.8	B D J N

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: ISCO-MW5 DL Lab Sample ID: 200-1636-5 DL
Matrix: Water Lab File ID: jbmcl7.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/19/2010 10:00
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 13:52
Soil Aliquot Vol: _____ Dilution Factor: 13.3
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 6993 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	<i>Total Alkanes</i>			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-5
Client Smp ID: ISCO-MW5
Inj Date : 23-SEP-2010 13:52
Operator : JH2
Smp Info : 200-1636-B-5
Misc Info : 13.3,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmcsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 13:23 cmp
Cal Date : 21-SEP-2010 17:24
Als bottle: 31
Dil Factor: 13.30000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	13.30000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85				Compound Not Detected.		
2 Chloromethane	50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	1.556	1.562	(0.278)	251242	124.472	5.0
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	1.861	1.861	(0.333)	208188	125.870	5.0
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	2.475	2.481	(0.443)	314615	98.4852	3.9
10 1,1-Dichloroethene	96				Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101				Compound Not Detected.		
12 Acetone	43	2.536	2.536	(0.454)	5725	73.6555	39
13 Carbon disulfide	76				Compound Not Detected.		
14 Methyl acetate	43				Compound Not Detected.		
15 Methylene chloride	84				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96				Compound Not Detected.		
17 Methyl tert-butyl ether	73	3.156	3.156	(0.565)	3068	1.56494	0.83
18 1,1-Dichloroethane	63				Compound Not Detected.		
\$ 19 2-Butanone-d5	46	4.148	4.148	(0.742)	148103	1239.95	50
20 cis-1,2-Dichloroethene	96	4.197	4.191	(0.751)	2722	1.56517	0.83
21 2-Butanone	43				Compound Not Detected.		
22 Bromochloromethane	128				Compound Not Detected.		
\$ 23 Chloroform-d	84	4.525	4.525	(0.810)	368747	127.409	5.1(Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.912)	124457	134.521	5.4
\$ 29 Benzene-d6	84	5.109	5.109	(0.569)	854661	133.463	5.3
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	5.590	5.590	(1.000)	754027	125.000	
33 Trichloroethene	95	5.882	5.882	(0.656)	726677	381.920	200
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.034	(0.672)	197866	117.160	4.7
35 Methylcyclohexane	55				Compound Not Detected.		
36 1,2-Dichloropropane	63				Compound Not Detected.		
37 Bromodichloromethane	83				Compound Not Detected.		
38 cis-1,3-Dichloropropene	75				Compound Not Detected.		
39 4-Methyl-2-pentanone	43				Compound Not Detected.		
\$ 40 Toluene-d8	98	7.275	7.275	(0.811)	811620	128.942	5.2
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)	147680	126.597	5.1
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	164	7.987	7.987	(0.890)	8638	5.06939	2.7
\$ 46 2-Hexanone-d5	63	8.090	8.090	(0.902)	137581	1244.74	50
47 2-Hexanone	43				Compound Not Detected.		
48 Dibromochloromethane	129				Compound Not Detected.		
49 1,2-Dibromoethane	107				Compound Not Detected.		
* 50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	567823	125.000	
51 Chlorobenzene	112				Compound Not Detected.		
52 Ethylbenzene	91				Compound Not Detected.		
53 m,p-Xylene	106				Compound Not Detected.		
54 Styrene	104				Compound Not Detected.		
55 o-Xylene	106				Compound Not Detected.		
56 Bromoform	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.566	10.560	(1.178)	68013	129.047	5.2
59 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
60 1,3-Dichlorobenzene	146				Compound Not Detected.		
* 61 1,4-Dichlorobenzene-d4	152	11.807	11.801	(1.000)	245237	125.000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	180376	133.308	5.3
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-5
Client Smp ID: ISCO-MW5
Inj Date : 23-SEP-2010 13:52
Operator : JH2
Smp Info : 200-1636-B-5
Misc Info : 13.3,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmcsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 13:23 cmp
Cal Date : 21-SEP-2010 17:24
Als bottle: 31
Dil Factor: 13.30000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	13.30000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

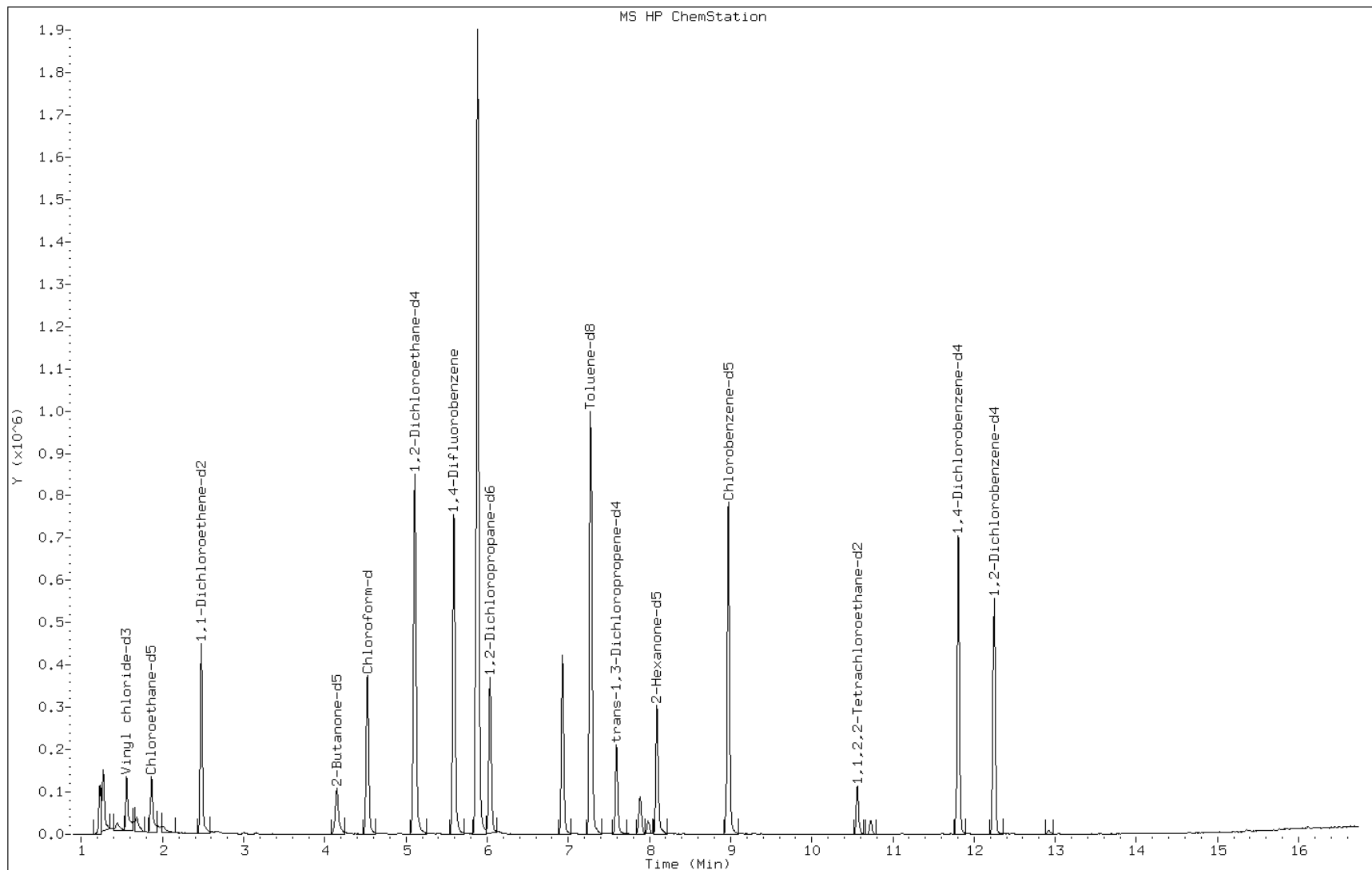
Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.590	1646749	125.000
* 50 Chlorobenzene-d5	8.972	1619408	125.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
6.928	888992	67.4808185	36	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.883	214169	16.5314373	8.8	91	NIST05.1	73123	50

Data File: jbm17.d
Client ID: ISCO-MW5
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 200-1636-B-5
Lab Sample ID: 200-1636-5

Date: 23-SEP-2010 13:52
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



Data File: jbmcl7.d

Lab Sample ID: 200-1636-5

Date: 23-SEP-2010 13:52

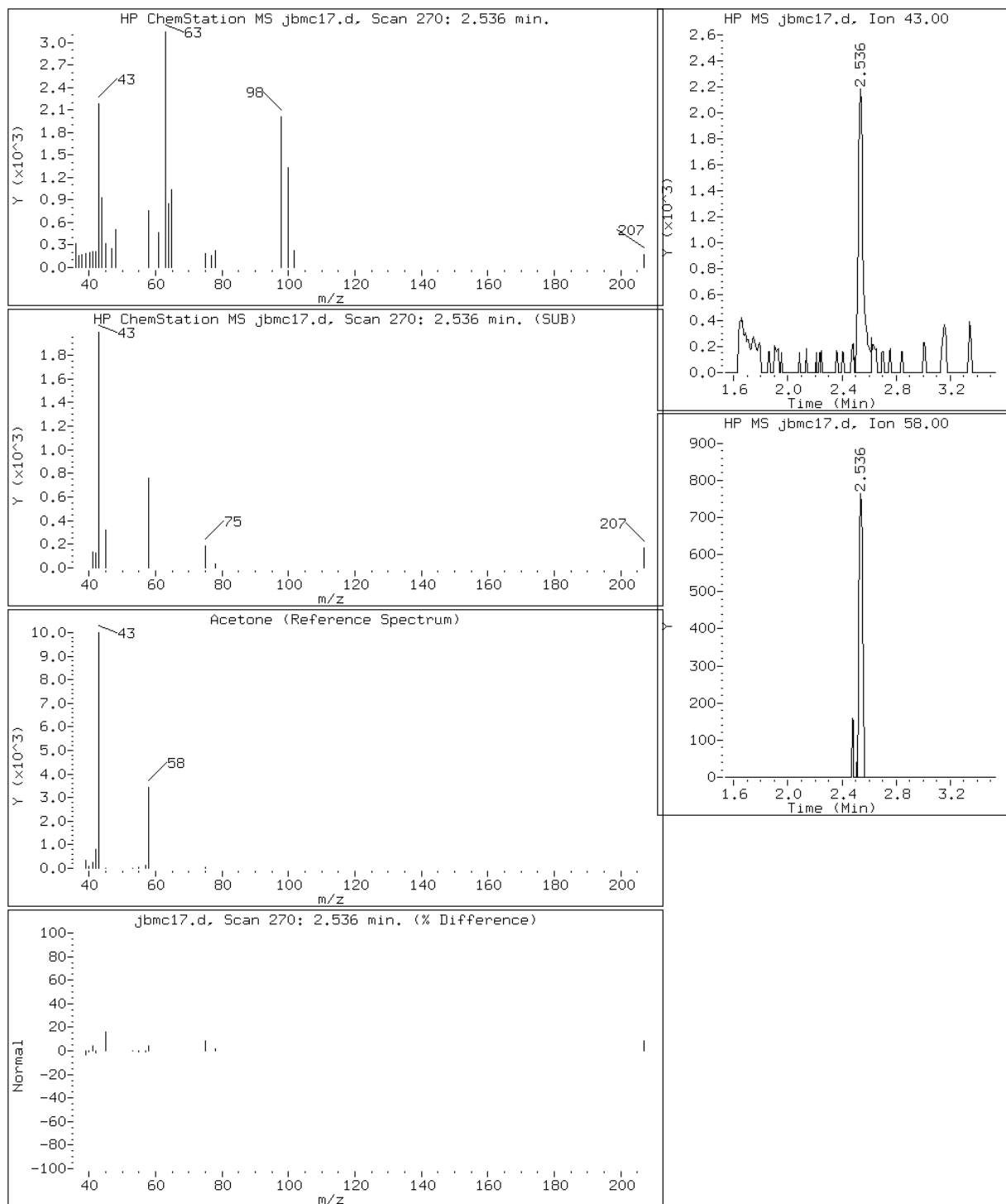
Client ID: ISCO-MW5

Instrument: J.i

Sample Info: 200-1636-B-5

Operator: JH2

12 Acetone



Data File: jbmcl7.d

Lab Sample ID: 200-1636-5

Date: 23-SEP-2010 13:52

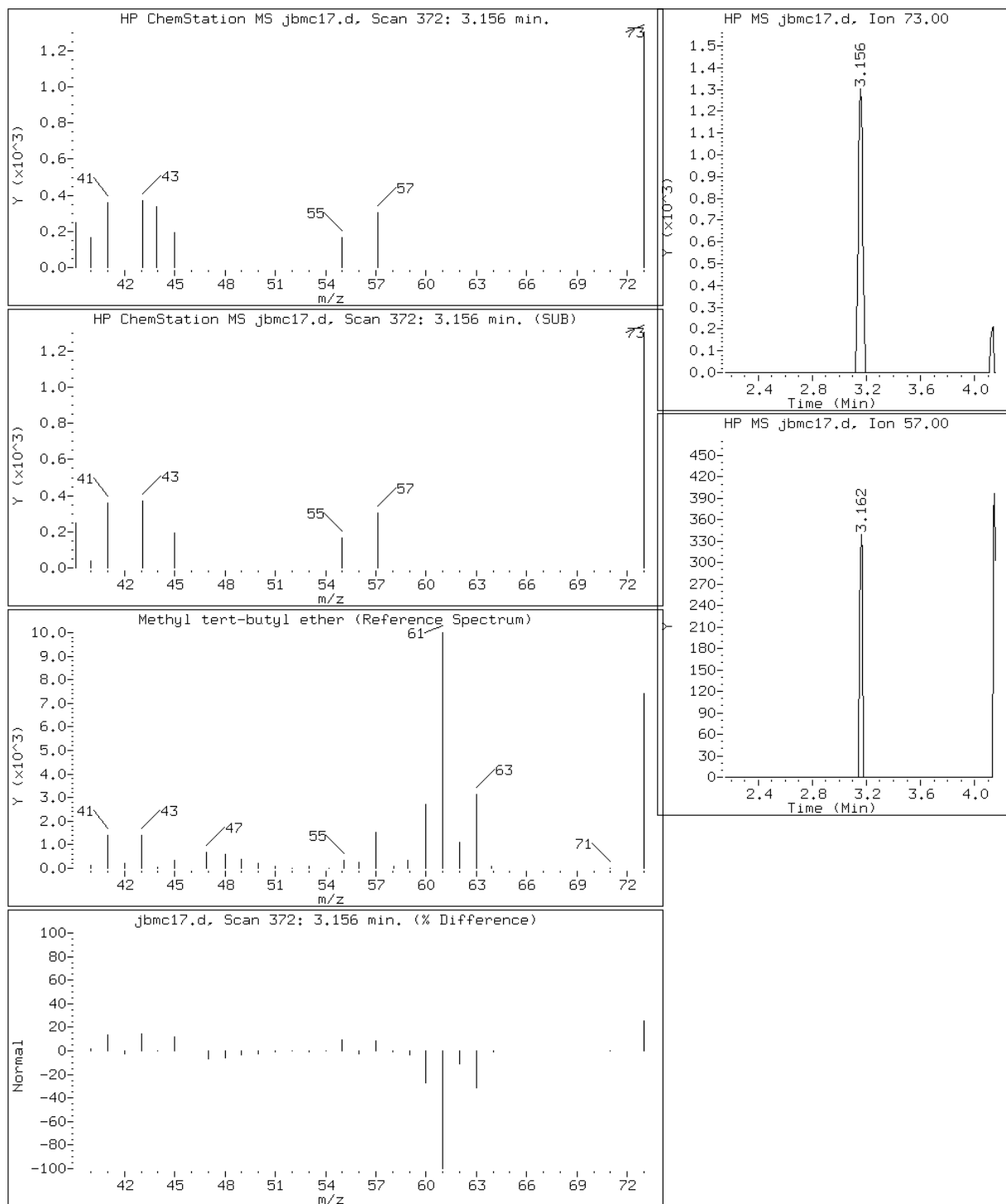
Client ID: ISCO-MW5

Instrument: J.i

Sample Info: 200-1636-B-5

Operator: JH2

17 Methyl tert-butyl ether



Data File: jbmcl7.d

Lab Sample ID: 200-1636-5

Date: 23-SEP-2010 13:52

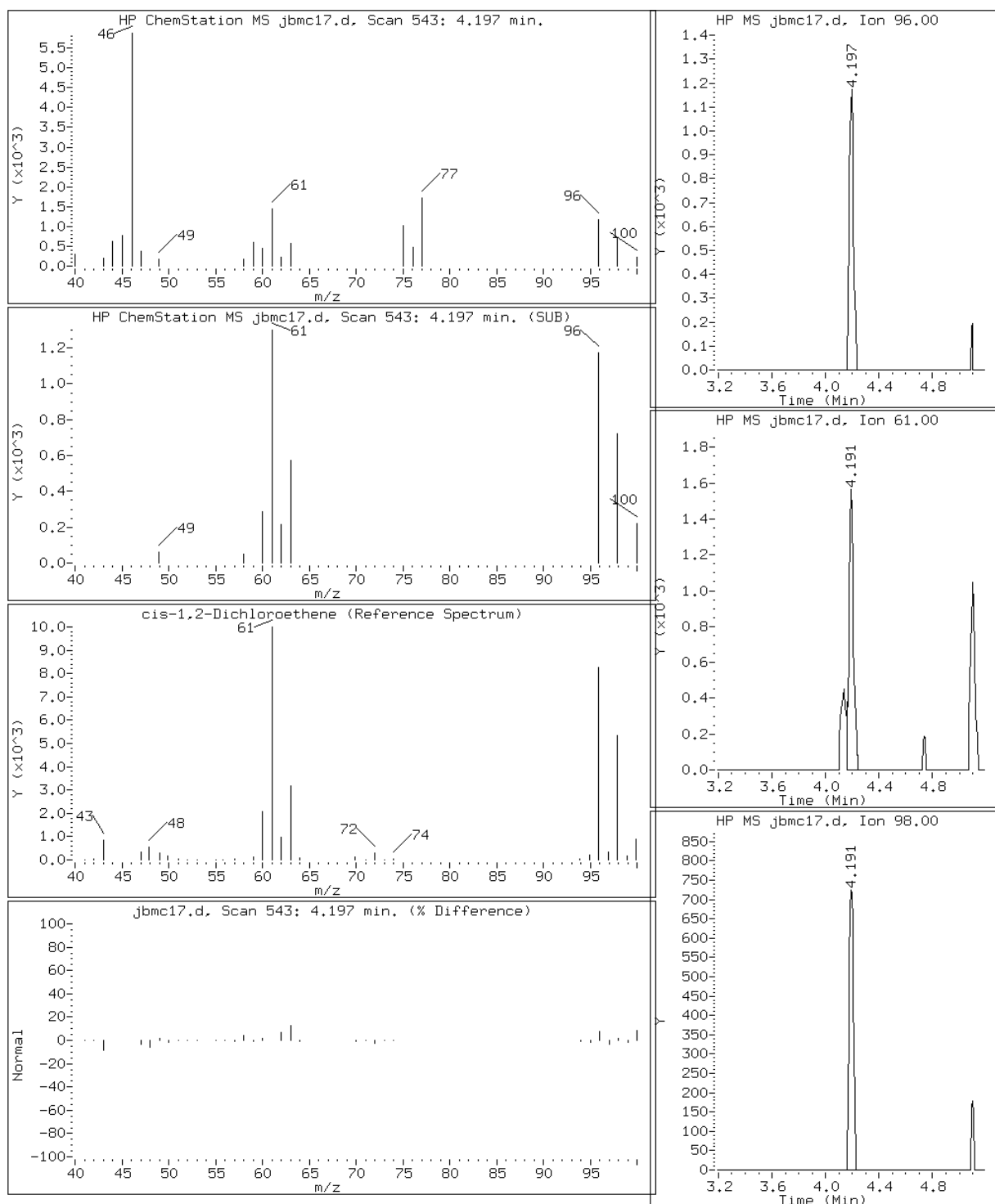
Client ID: ISCO-MW5

Instrument: J.i

Sample Info: 200-1636-B-5

Operator: JH2

20 cis-1,2-Dichloroethene



Data File: jbmcl7.d

Lab Sample ID: 200-1636-5

Date: 23-SEP-2010 13:52

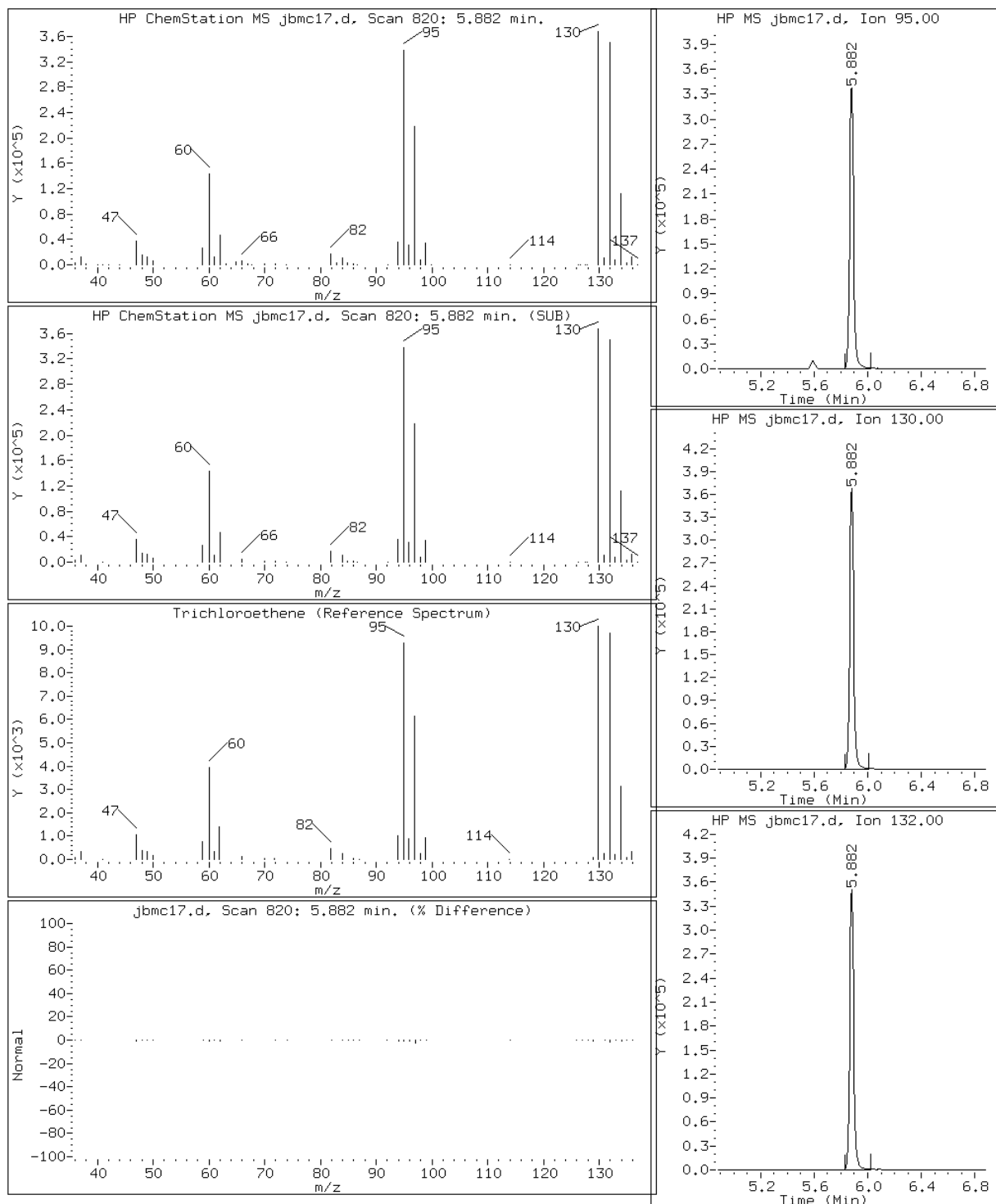
Client ID: ISCO-MW5

Instrument: J.i

Sample Info: 200-1636-B-5

Operator: JH2

33 Trichloroethene



Data File: jbmcl7.d

Lab Sample ID: 200-1636-5

Date: 23-SEP-2010 13:52

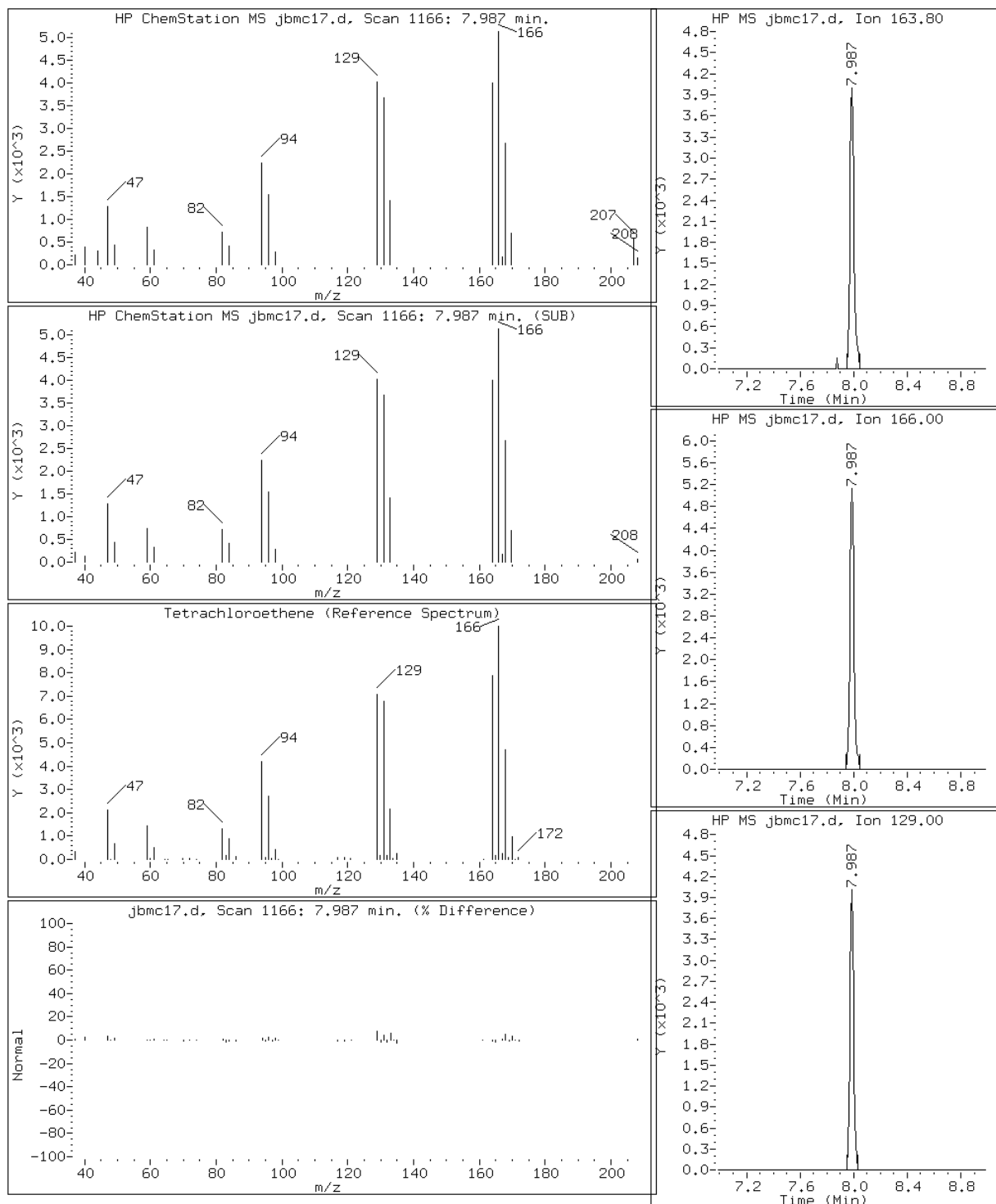
Client ID: ISCO-MW5

Instrument: J.i

Sample Info: 200-1636-B-5

Operator: JH2

45 Tetrachloroethene



Data File: jbmcl7.d

Lab Sample ID: 200-1636-5

Client ID: ISCO-MW5

Sample Info: 200-1636-B-5

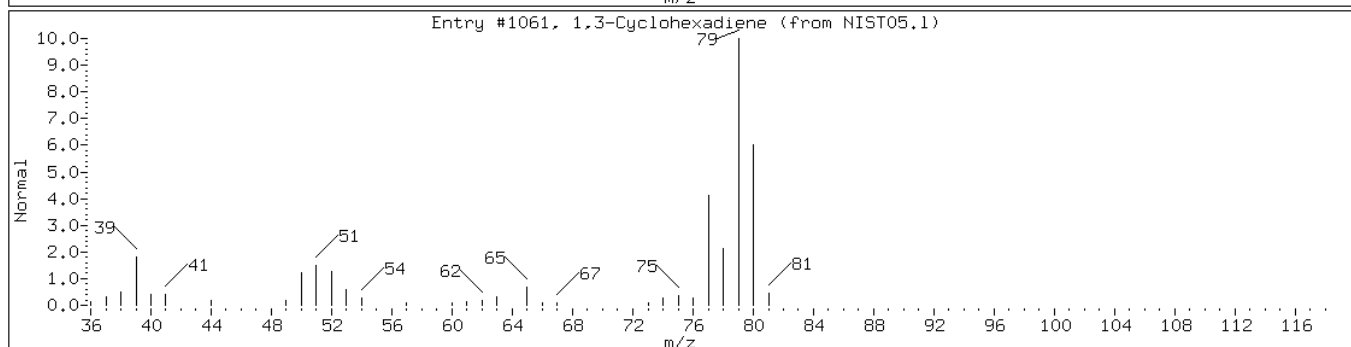
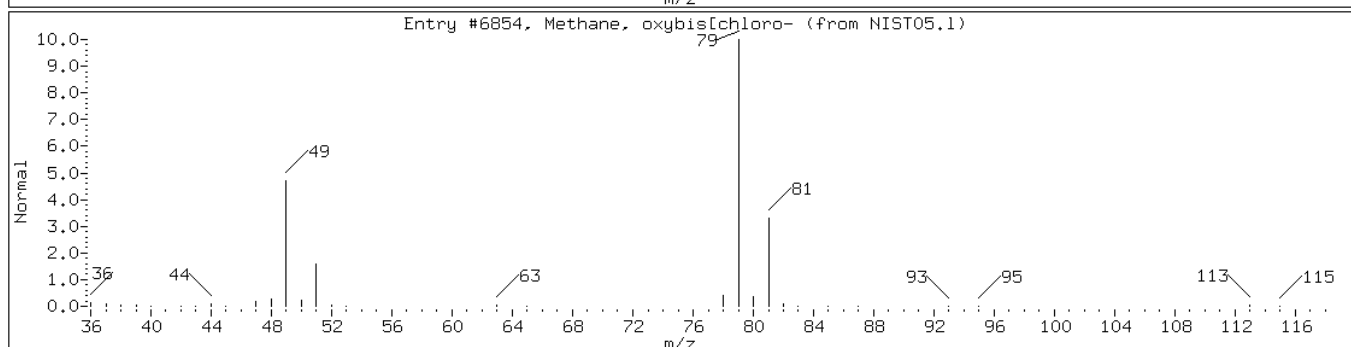
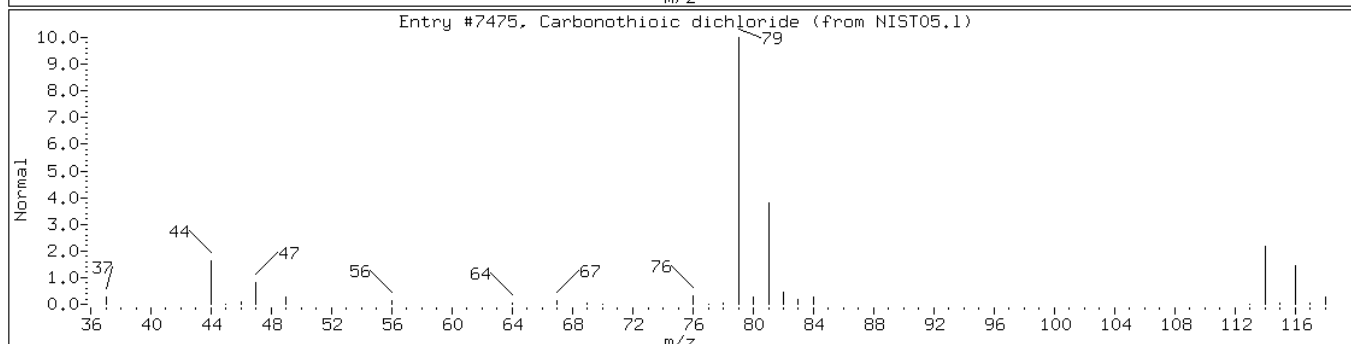
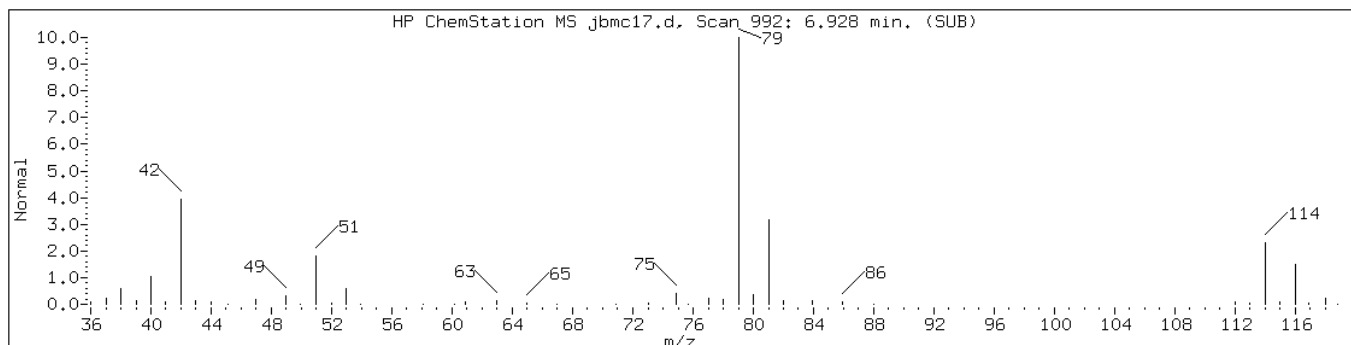
Date: 23-SEP-2010 13:52

Instrument: J.i

Operator: JH2

Retention Time: 6.93

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	40	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	23	C6H8	80



Data File: jbmcl7.d

Lab Sample ID: 200-1636-5

Client ID: ISCO-MW5

Sample Info: 200-1636-B-5

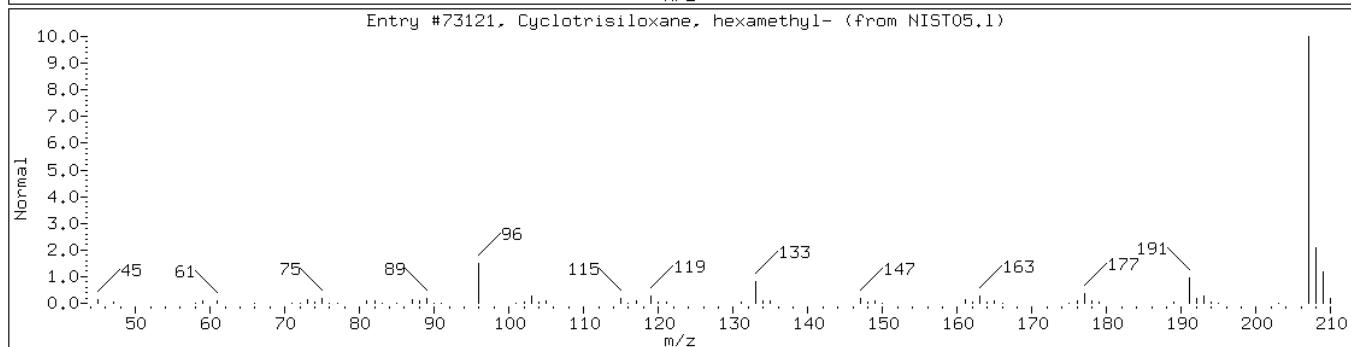
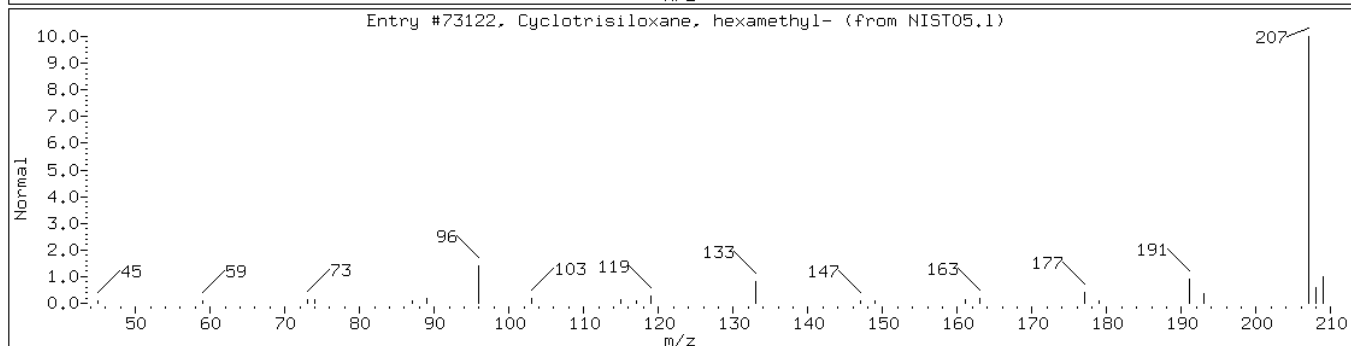
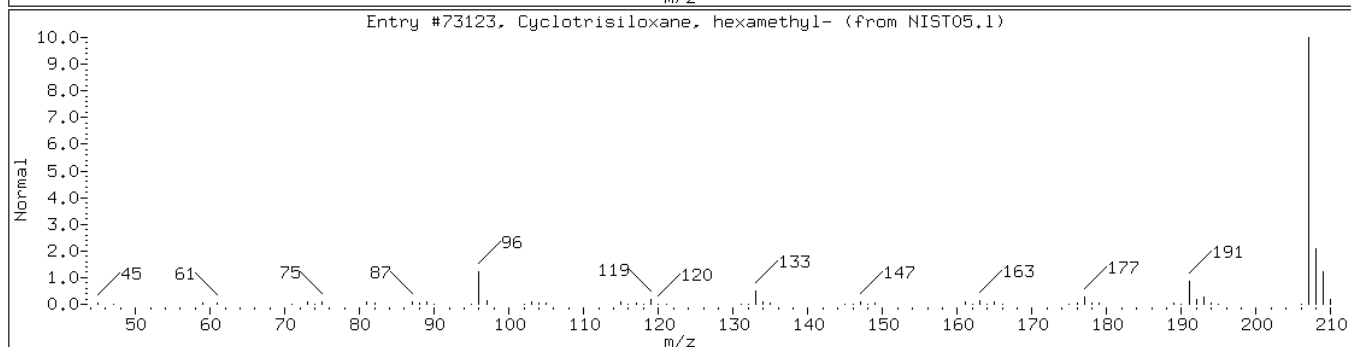
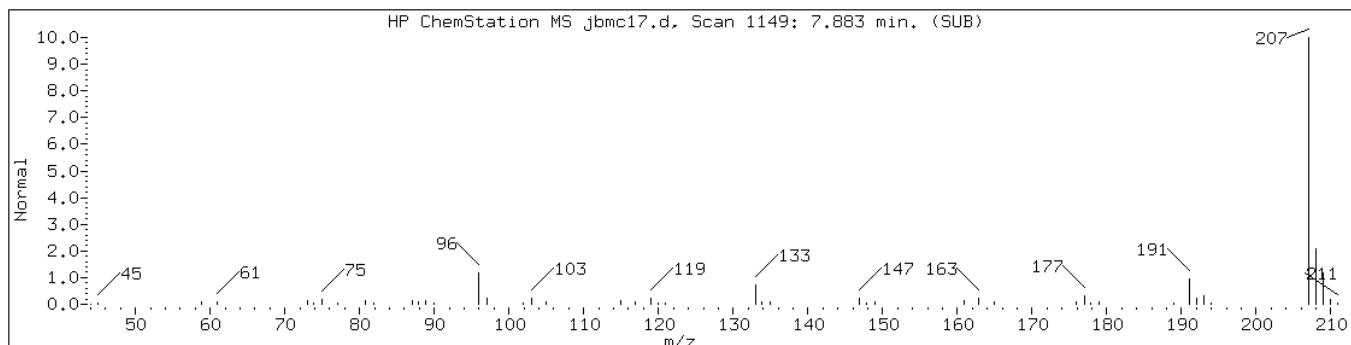
Date: 23-SEP-2010 13:52

Instrument: J.i

Operator: JH2

Retention Time: 7.88

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	91	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	80	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	49	C6H18O3Si3	222



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: TB Lab Sample ID: 200-1636-6
 Matrix: Water Lab File ID: jbmd13.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/17/2010 00:00
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 20:41
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.025
74-87-3	Chloromethane	0.50	U	0.50	0.097
75-01-4	Vinyl chloride	0.50	U	0.50	0.049
74-83-9	Bromomethane	0.50	U	0.50	0.050
75-00-3	Chloroethane	0.50	U	0.50	0.069
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.052
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.038
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.030
67-64-1	Acetone	2.0	J B	5.0	0.93
75-15-0	Carbon disulfide	0.50	U	0.50	0.060
79-20-9	Methyl acetate	0.50	U	0.50	0.075
75-09-2	Methylene chloride	9.5		0.50	0.060
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.018
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.032
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.053
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.052
78-93-3	2-Butanone	5.0	U	5.0	0.61
74-97-5	Bromochloromethane	0.50	U	0.50	0.072
67-66-3	Chloroform	0.50	U	0.50	0.047
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.028
110-82-7	Cyclohexane	0.50	U	0.50	0.040
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.038
71-43-2	Benzene	0.50	U	0.50	0.030
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.057
79-01-6	Trichloroethene	0.063	J	0.50	0.054
108-87-2	Methylcyclohexane	0.50	U	0.50	0.049
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.053
75-27-4	Bromodichloromethane	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.036
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.36
108-88-3	Toluene	0.50	U	0.50	0.031
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.031
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.073
127-18-4	Tetrachloroethene	0.50	U	0.50	0.051
591-78-6	2-Hexanone	5.0	U	5.0	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: TB Lab Sample ID: 200-1636-6
 Matrix: Water Lab File ID: jbmd13.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/17/2010 00:00
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 20:41
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.50	U	0.50	0.047
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.20
108-90-7	Chlorobenzene	0.50	U	0.50	0.039
100-41-4	Ethylbenzene	0.50	U	0.50	0.050
95-47-6	o-Xylene	0.50	U	0.50	0.041
179601-23-1	m,p-Xylene	0.50	U	0.50	0.033
100-42-5	Styrene	0.50	U	0.50	0.057
75-25-2	Bromoform	0.50	U	0.50	0.066
98-82-8	Isopropylbenzene	0.50	U	0.50	0.044
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.080
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.042
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.035
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.051
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.25
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.047
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.029

CAS NO.	SURROGATE	%REC	LIMITS	Q
6745-35-3	Vinyl chloride-d3	99	65-131	
19199-91-8	Chloroethane-d5	100	71-131	
22280-73-5	1,1-Dichloroethene-d2	78	55-104	
24313-50-6	2-Butanone-d5	104	49-155	
865-49-6	Chloroform-d	103	78-121	
17060-07-0	1,2-Dichloroethane-d4	108	78-129	
1076-43-3	Benzene-d6	104	77-124	
93952-08-0	1,2-Dichloropropane-d6	91	79-124	
2037-26-5	Toluene-d8	102	77-121	
93951-86-1	trans-1,3-Dichloropropene-d4	101	73-121	
4840-82-8	2-Hexanone-d5	102	28-135	
33685-54-0	1,1,2,2-Tetrachloroethane-d2	102	73-125	
2199-69-1	1,2-Dichlorobenzene-d4	111	80-131	

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: TB Lab Sample ID: 200-1636-6
Matrix: Water Lab File ID: jbmd13.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/17/2010 00:00
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 20:41
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 7052 Units: ug/L
Number TICs Found: 4 TIC Result Total: 5.49

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	1.68	0.69	B J
	Unknown	6.93	2.7	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.89	1.4	B J N
	Unknown siloxane derivative	10.73	0.70	B J

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: TB Lab Sample ID: 200-1636-6
Matrix: Water Lab File ID: jbmd13.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/17/2010 00:00
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 20:41
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-6
Client Smp ID: TB
Inj Date : 23-SEP-2010 20:41
Operator : JH2
Smp Info : 200-1636-B-6
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2
Cal Date : 21-SEP-2010 17:24
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
=====	====	==	=====	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85					Compound Not Detected.		
2 Chloromethane	50					Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65		1.562	1.563	(0.279)	252050	123.935	5.0
4 Vinyl chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chloroethane-d5	69		1.861	1.867	(0.332)	209191	125.527	5.0
7 Chloroethane	64					Compound Not Detected.		
8 Trichlorofluoromethane	101					Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63		2.481	2.481	(0.443)	313852	97.5087	3.9(Q)
10 1,1-Dichloroethene	96					Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.		
12 Acetone	43		2.542	2.536	(0.454)	3910	49.9268	2.0
13 Carbon disulfide	76					Compound Not Detected.		
14 Methyl acetate	43					Compound Not Detected.		
15 Methylene chloride	84		2.913	2.913	(0.521)	305315	236.294	9.5
16 trans-1,2-Dichloroethene	96					Compound Not Detected.		

						CONCENTRATIONS		
	QUANT	SIG				ON-COLUMN	FINAL	
Compounds	MASS		RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
=====	=====		==	=====	=====	=====	=====	=====
17 Methyl tert-butyl ether	73		Compound Not Detected.					
18 1,1-Dichloroethane	63		Compound Not Detected.					
\$ 19 2-Butanone-d5	46		4.148	4.148	(0.741)	156495	1300.37	52
20 cis-1,2-Dichloroethene	96		Compound Not Detected.					
21 2-Butanone	43		Compound Not Detected.					
22 Bromochloromethane	128		Compound Not Detected.					
\$ 23 Chloroform-d	84		4.525	4.525	(0.809)	373640	128.130	5.1(Q)
24 Chloroform	83		Compound Not Detected.					
25 1,1,1-Trichloroethane	97		Compound Not Detected.					
26 Cyclohexane	56		Compound Not Detected.					
27 Carbon tetrachloride	117		Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65		5.097	5.097	(0.911)	125860	135.016	5.4
\$ 29 Benzene-d6	84		5.109	5.109	(0.569)	860044	130.393	5.2
30 Benzene	78		Compound Not Detected.					
31 1,2-Dichloroethane	62		Compound Not Detected.					
* 32 1,4-Difluorobenzene	114		5.596	5.590	(1.000)	759731	125.000	
33 Trichloroethene	95		5.882	5.882	(0.656)	3083	1.57315	0.063(Q)
\$ 34 1,2-Dichloropropane-d6	67		6.034	6.040	(0.672)	197572	113.579	4.5
35 Methylcyclohexane	55		Compound Not Detected.					
36 1,2-Dichloropropane	63		Compound Not Detected.					
37 Bromodichloromethane	83		Compound Not Detected.					
38 cis-1,3-Dichloropropene	75		Compound Not Detected.					
39 4-Methyl-2-pentanone	43		Compound Not Detected.					
\$ 40 Toluene-d8	98		7.275	7.275	(0.811)	829462	127.939	5.1
41 Toluene	91		Compound Not Detected.					
\$ 42 trans-1,3-Dichloropropene-d4	79		7.591	7.591	(0.846)	151587	126.162	5.0
43 trans-1,3-Dichloropropene	75		Compound Not Detected.					
44 1,1,2-Trichloroethane	97		Compound Not Detected.					
45 Tetrachloroethene	163		Compound Not Detected.					
\$ 46 2-Hexanone-d5	63		8.090	8.090	(0.902)	145562	1278.60	51
47 2-Hexanone	43		Compound Not Detected.					
48 Dibromochloromethane	129		Compound Not Detected.					
49 1,2-Dibromoethane	107		Compound Not Detected.					
* 50 Chlorobenzene-d5	117		8.972	8.972	(1.000)	584854	125.000	
51 Chlorobenzene	112		Compound Not Detected.					
52 Ethylbenzene	91		Compound Not Detected.					
53 m,p-Xylene	106		Compound Not Detected.					
54 Styrene	104		Compound Not Detected.					
55 o-Xylene	106		Compound Not Detected.					
56 Bromoform	172		Compound Not Detected.					
57 Isopropylbenzene	105		Compound Not Detected.					
\$ 58 1,1,2,2-Tetrachloroethane-d2	84		10.566	10.560	(1.178)	69116	127.321	5.1
59 1,1,2,2-Tetrachloroethane	83		Compound Not Detected.					
60 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 61 1,4-Dichlorobenzene-d4	152		11.807	11.807	(1.000)	242558	125.000	
62 1,4-Dichlorobenzene	146		Compound Not Detected.					
\$ 63 1,2-Dichlorobenzene-d4	152		12.245	12.245	(1.037)	186276	139.189	5.6(Q)
64 1,2-Dichlorobenzene	146		Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
=====	=====	==	=====	=====	=====	(ng)	(ug/L)
65 1,2-Dibromo-3-chloropropane	75						
66 1,2,4-Trichlorobenzene	180						
67 1,2,3-Trichlorobenzene	180						

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-6
Client Smp ID: TB
Inj Date : 23-SEP-2010 20:41
Operator : JH2
Smp Info : 200-1636-B-6
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmndsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2
Cal Date : 21-SEP-2010 17:24
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

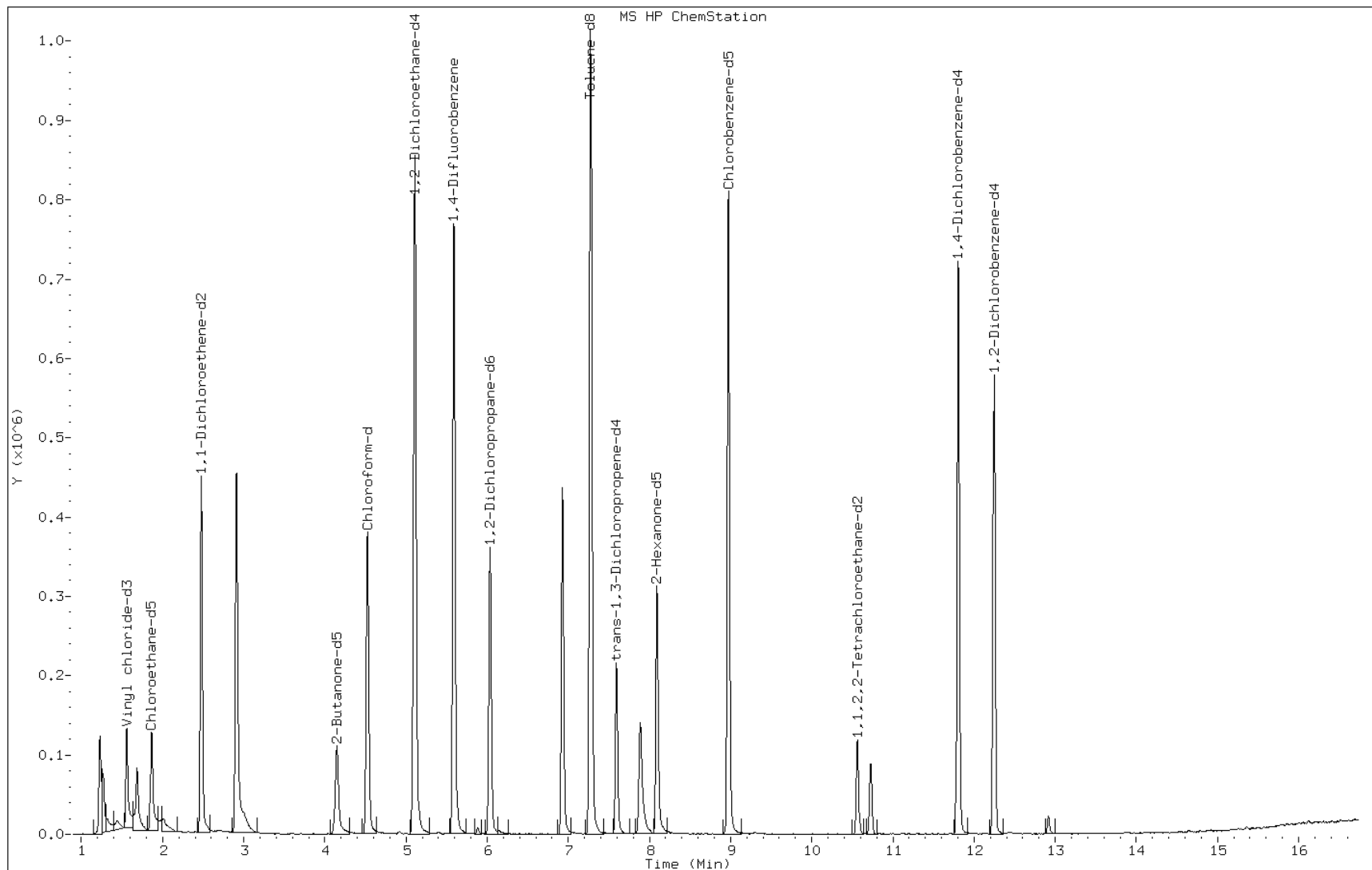
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.596	1680180	125.000
* 50 Chlorobenzene-d5	8.972	1670999	125.000
* 61 1,4-Dichlorobenzene-d4	11.807	1415957	125.000

RT	AREA	CONCENTRATIONS		QUAL	LIBRARY	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)			LIB ENTRY		
=====	=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:			
1.684	233258	17.3536730	0.69	0		0		32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
6.928	905320	67.3529072	2.7	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.889	457641	34.2340604	1.4	86	NIST05.1	73123	50
Unknown siloxane derivative					CAS #:		
10.730	198525	17.5256862	0.70	0		0	61

Data File: jbmd13.d
Client ID: TB
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 200-1636-B-6
Lab Sample ID: 200-1636-6

Date: 23-SEP-2010 20:41
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



Data File: jbmdd13.d

Lab Sample ID: 200-1636-6

Date: 23-SEP-2010 20:41

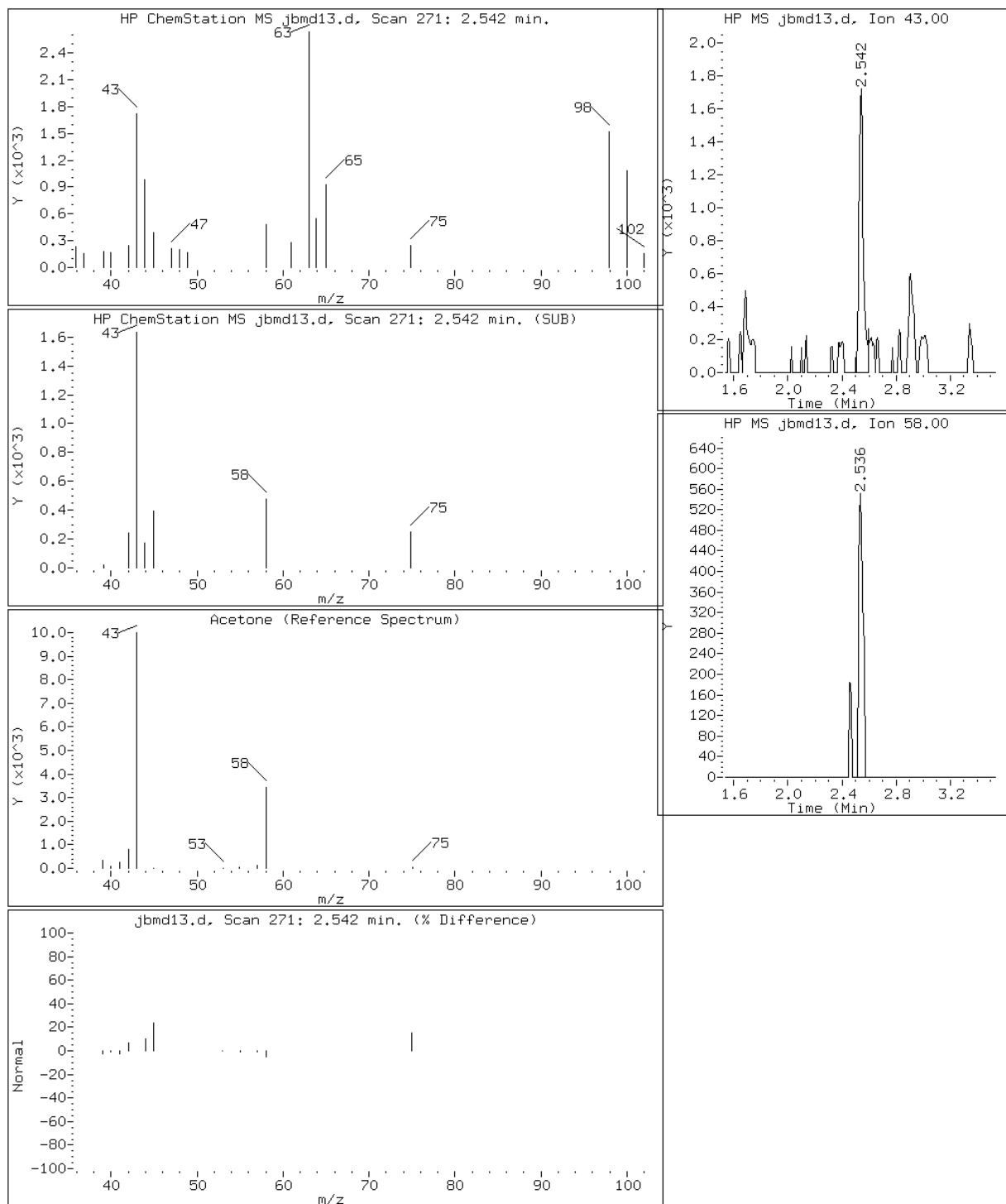
Client ID: TB

Instrument: J.i

Sample Info: 200-1636-B-6

Operator: JH2

12 Acetone



Data File: jbmdd13.d

Lab Sample ID: 200-1636-6

Date: 23-SEP-2010 20:41

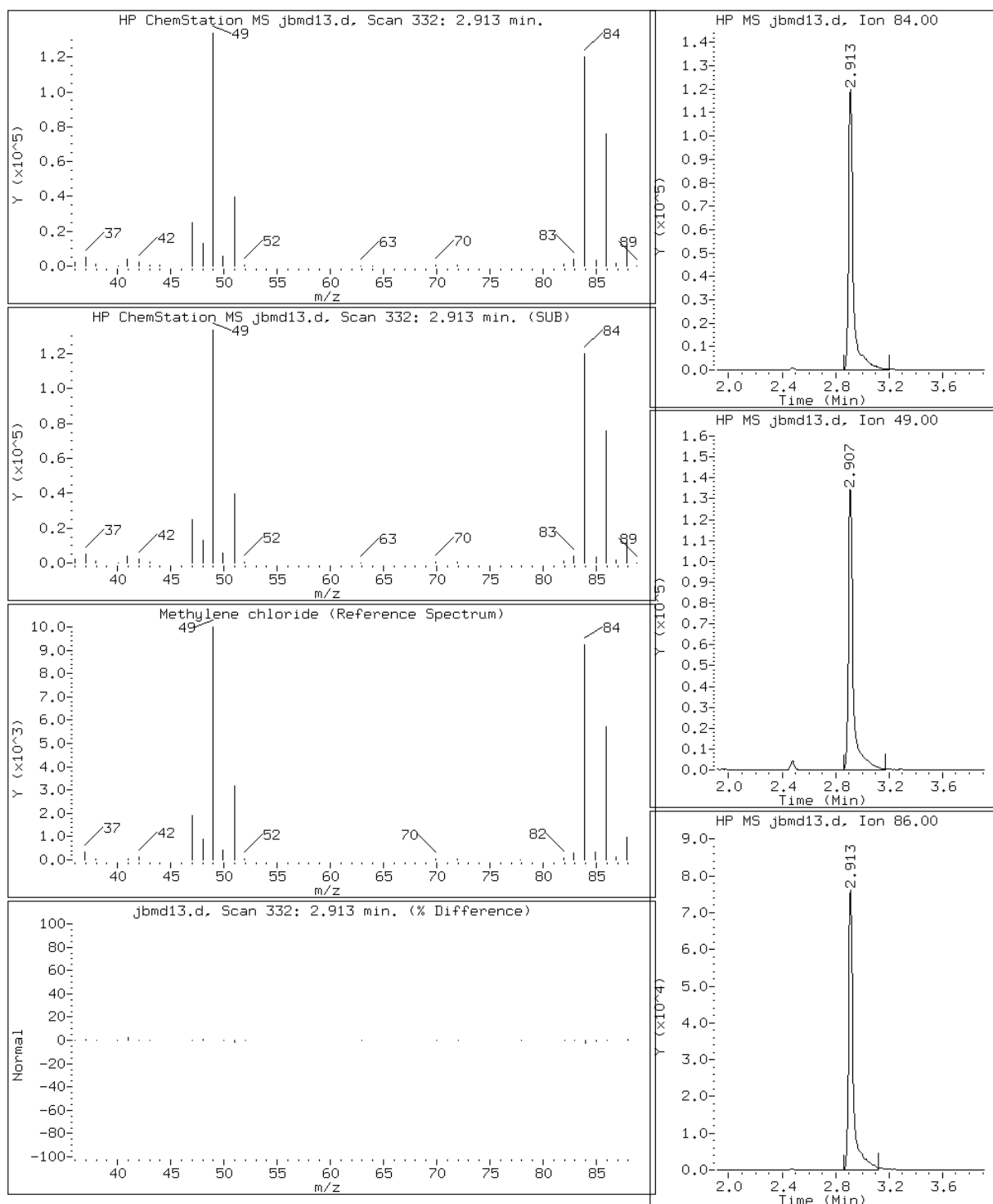
Client ID: TB

Instrument: J.i

Sample Info: 200-1636-B-6

Operator: JH2

15 Methylene chloride



Data File: jbmdd13.d

Lab Sample ID: 200-1636-6

Date: 23-SEP-2010 20:41

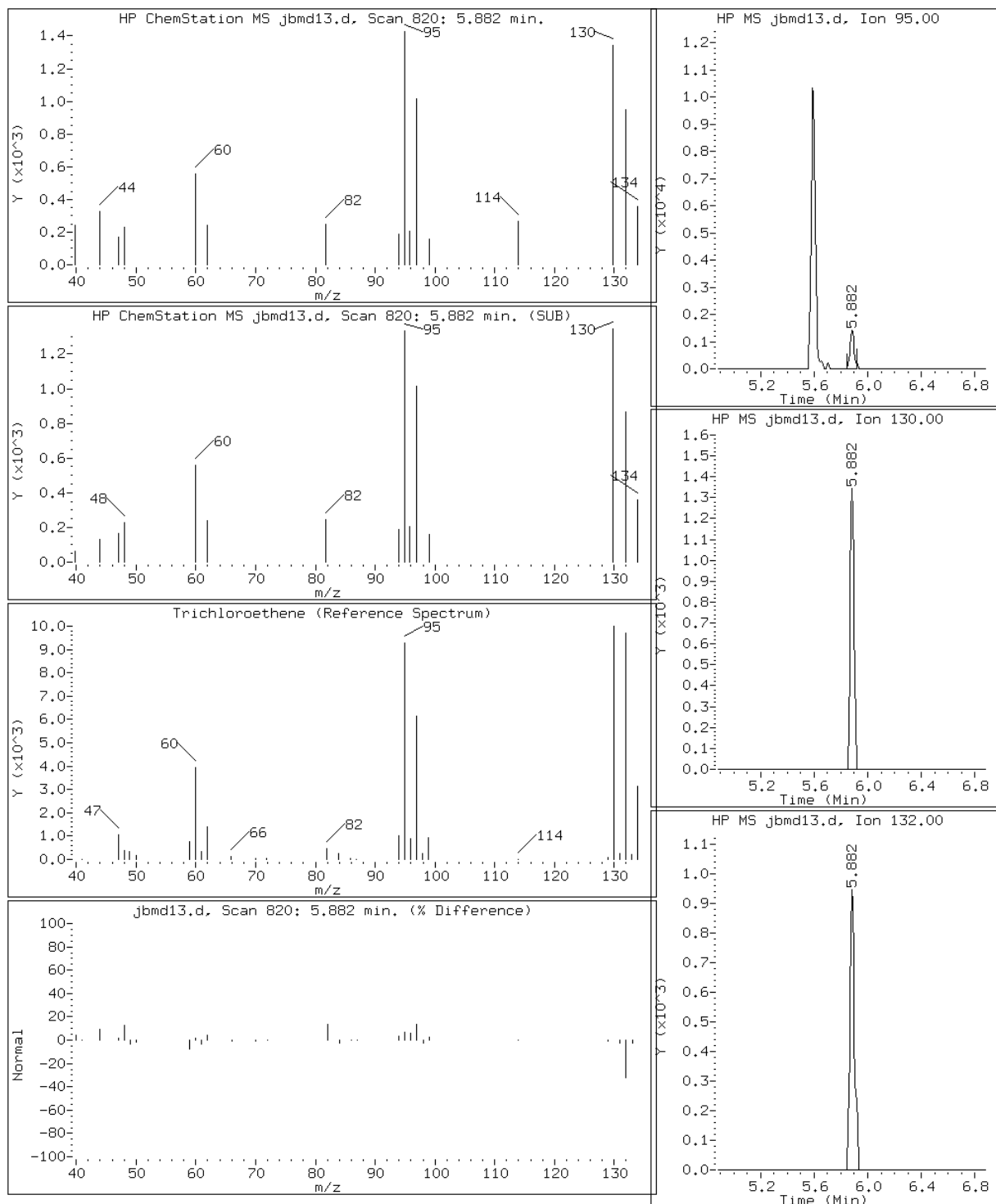
Client ID: TB

Instrument: J.i

Sample Info: 200-1636-B-6

Operator: JH2

33 Trichloroethene



Data File: jbmdd13.d

Lab Sample ID: 200-1636-6

Client ID: TB

Sample Info: 200-1636-B-6

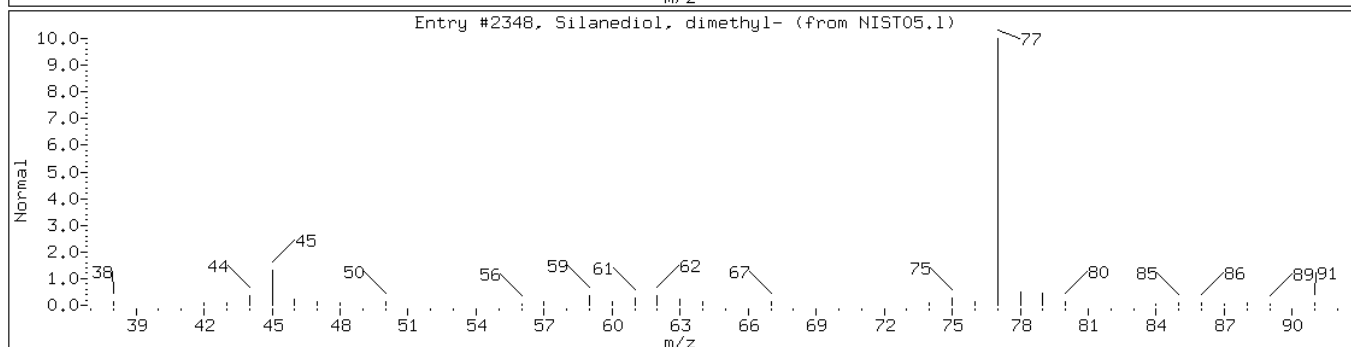
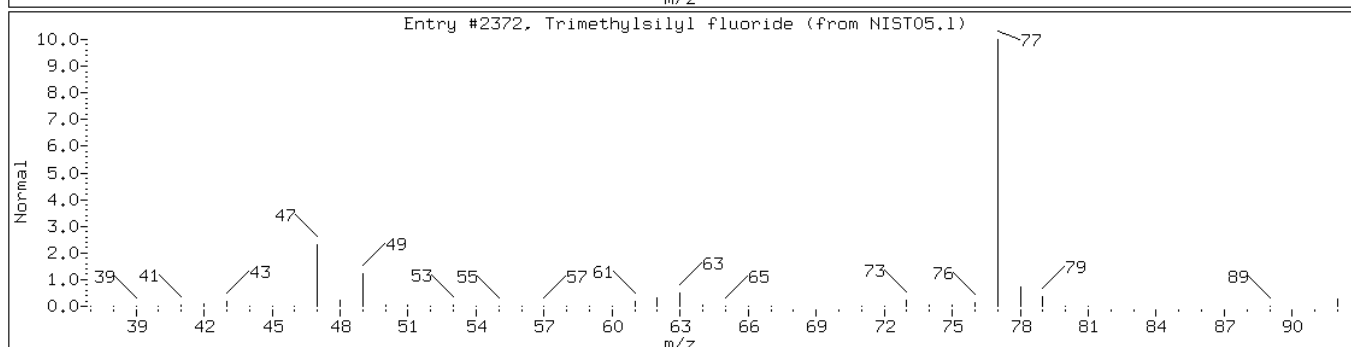
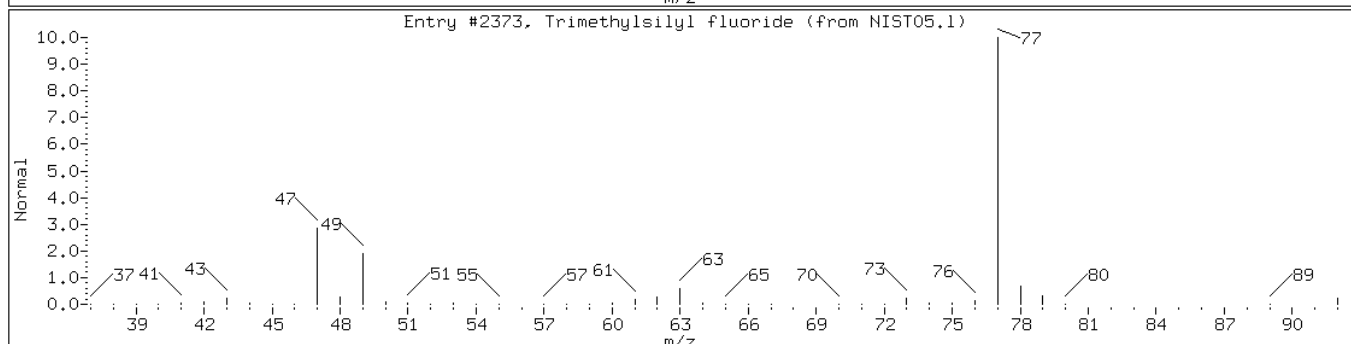
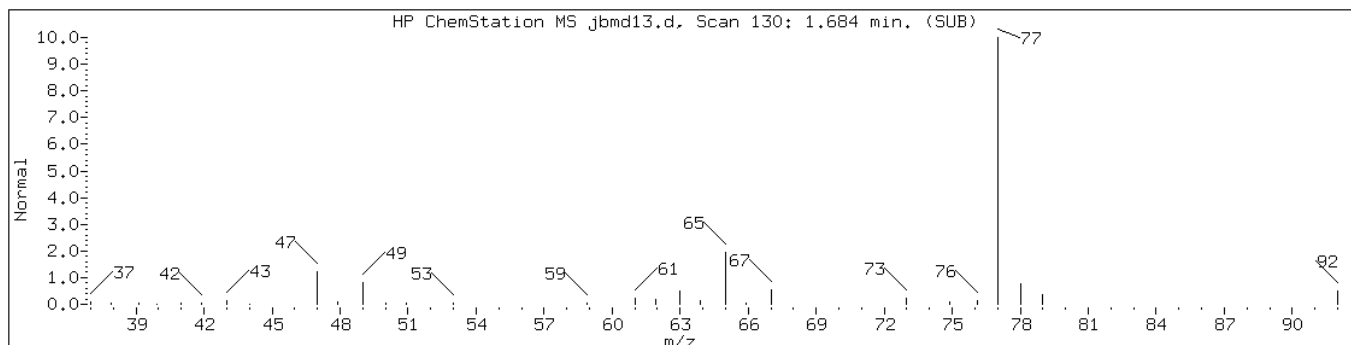
Date: 23-SEP-2010 20:41

Instrument: J.i

Operator: JH2

Retention Time: 1.68

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	64	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	50	C3H9FSi	92
Silanediol, dimethyl-	1066-42-8	NIST05.1	2348	33	C2H8O2Si	92



Data File: jbmdd13.d

Lab Sample ID: 200-1636-6

Client ID: TB

Sample Info: 200-1636-B-6

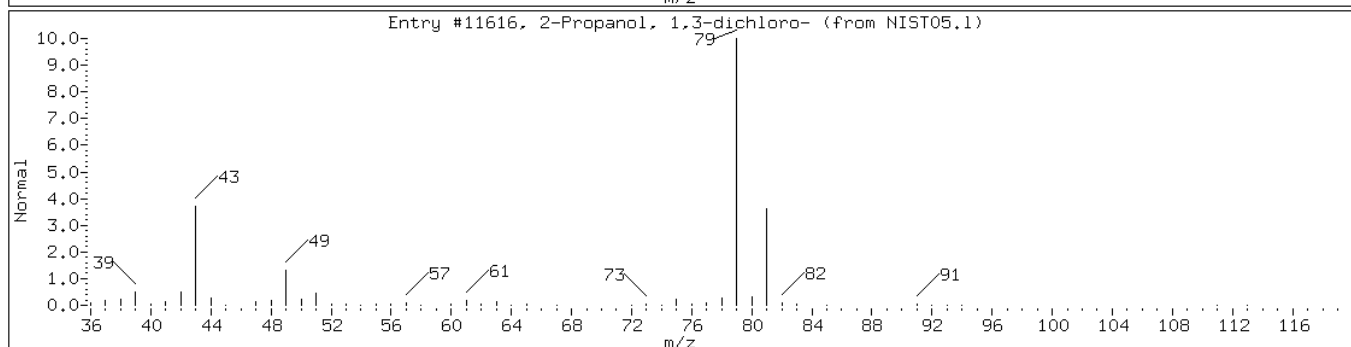
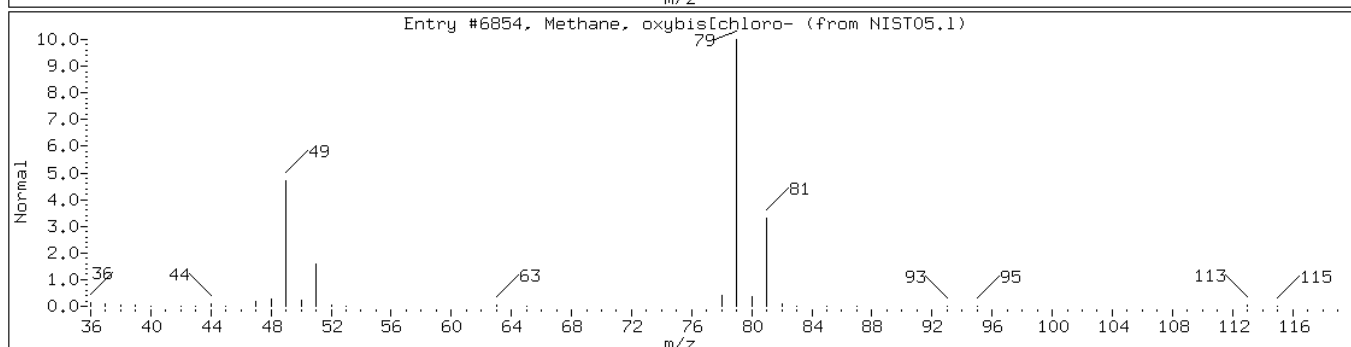
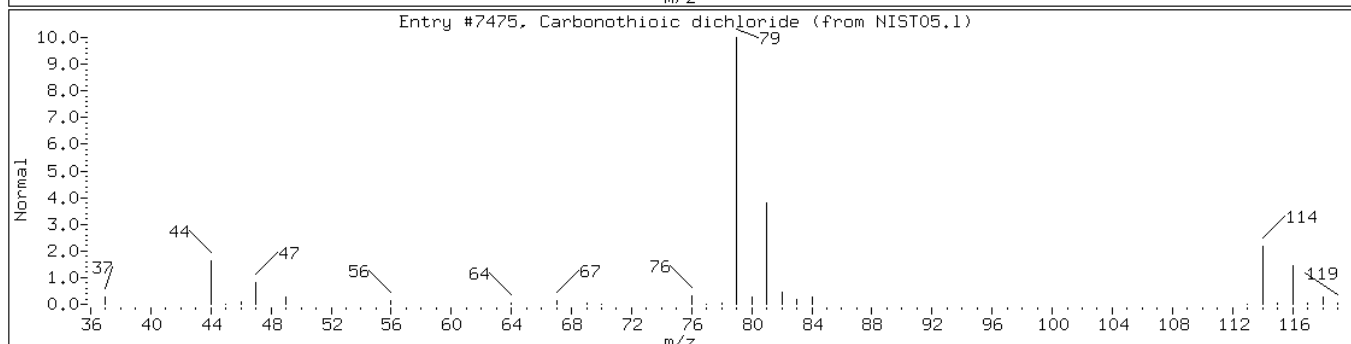
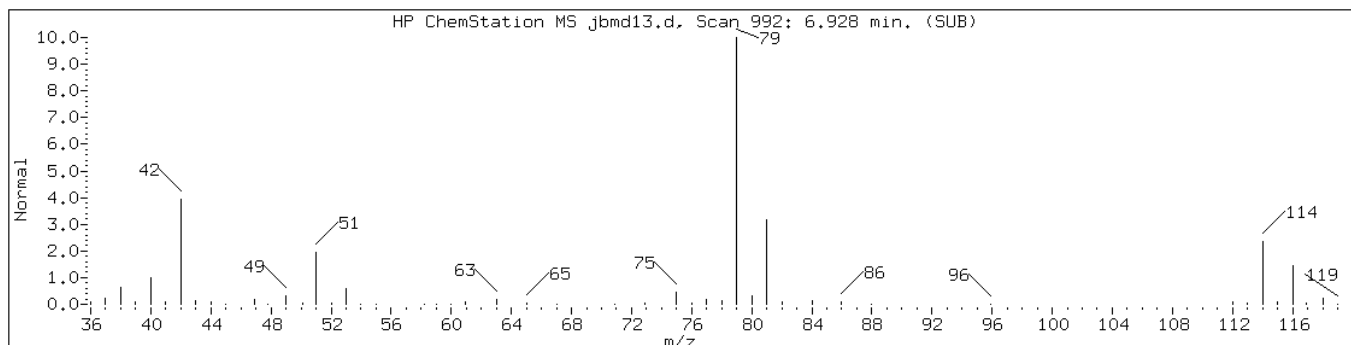
Date: 23-SEP-2010 20:41

Instrument: J.i

Operator: JH2

Retention Time: 6.93

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	<chem>CCl2S</chem>	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	23	<chem>C2H4Cl2O</chem>	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	23	<chem>C3H6Cl2O</chem>	128



Data File: jbmdd13.d

Lab Sample ID: 200-1636-6

Client ID: TB

Sample Info: 200-1636-B-6

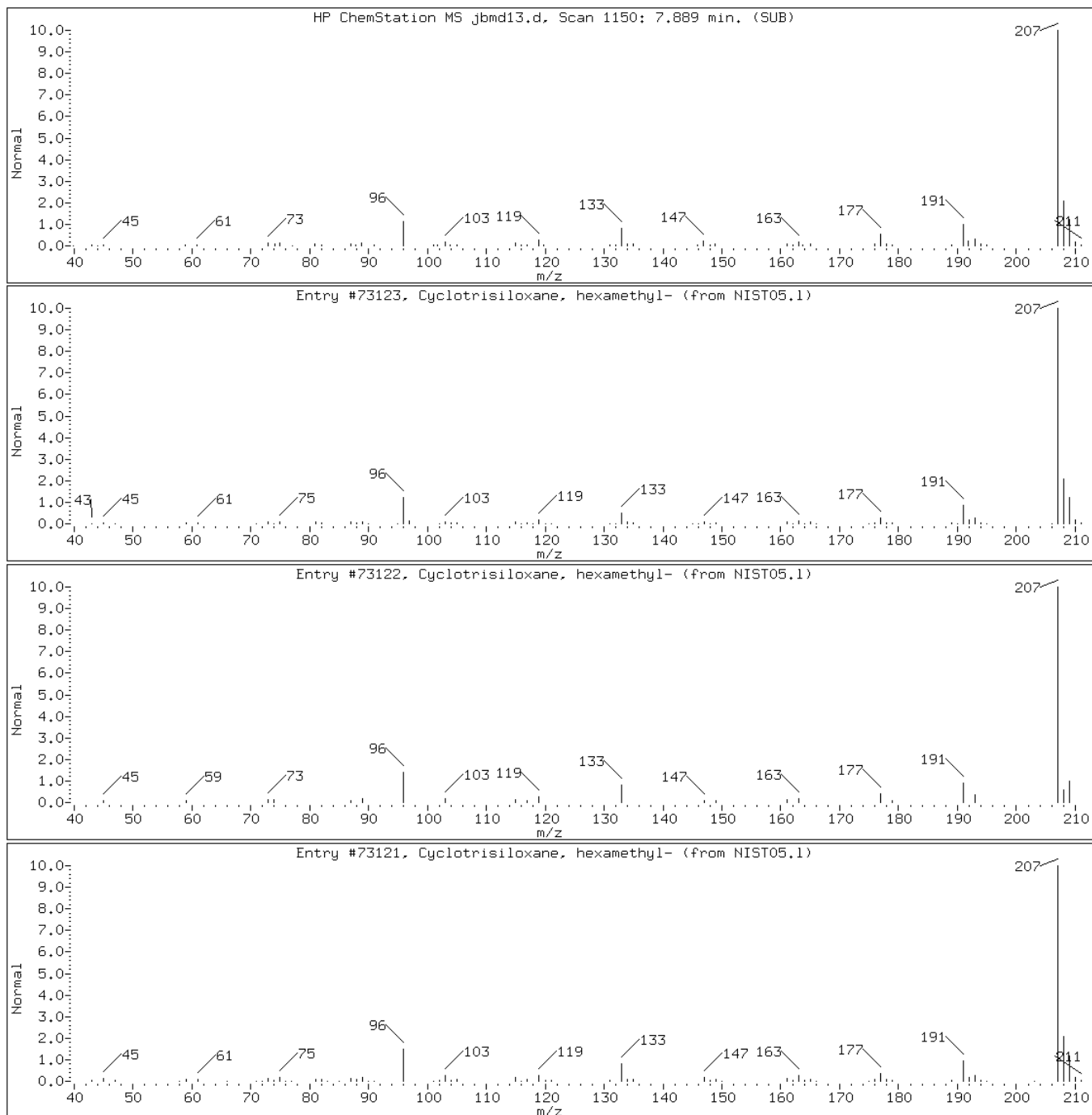
Date: 23-SEP-2010 20:41

Instrument: J.i

Operator: JH2

Retention Time: 7.89

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	86	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	80	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	49	C6H18O3Si3	222



Data File: jbmdd13.d

Lab Sample ID: 200-1636-6

Client ID: TB

Sample Info: 200-1636-B-6

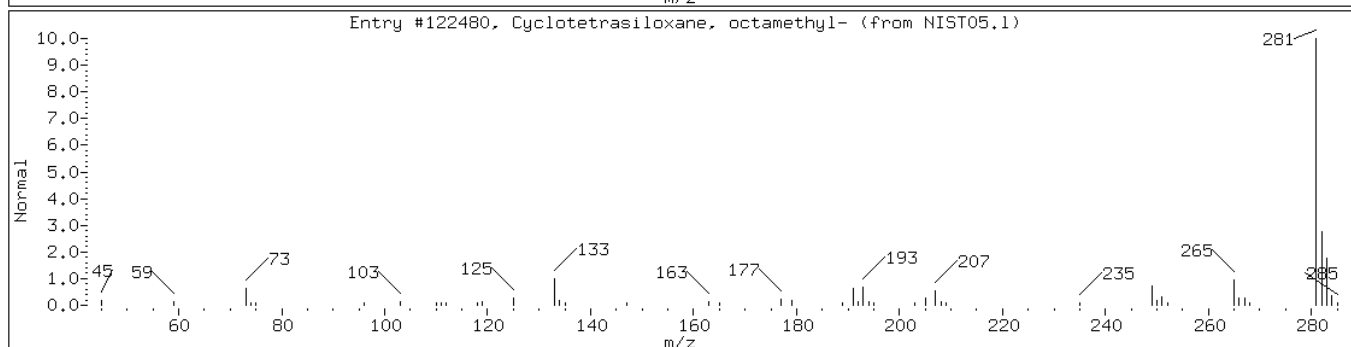
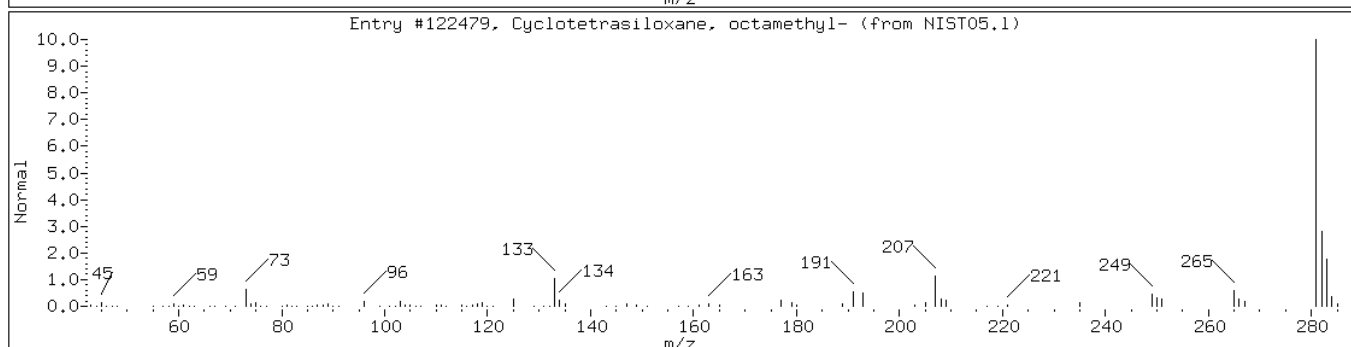
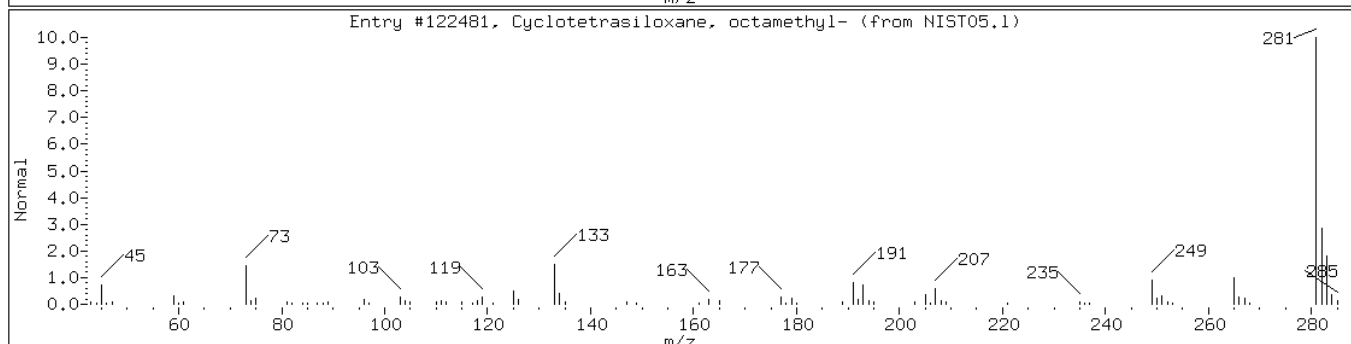
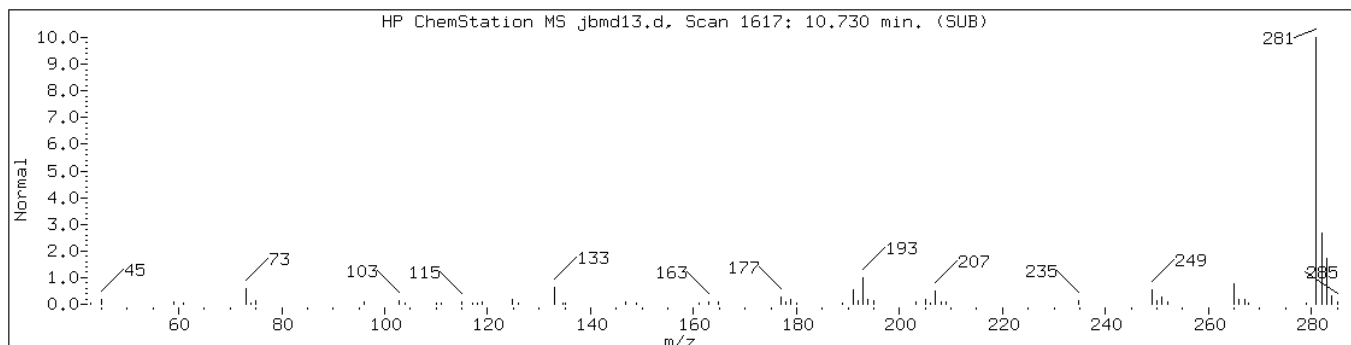
Date: 23-SEP-2010 20:41

Instrument: J.i

Operator: JH2

Retention Time: 10.73

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122481	87	C ₈ H ₂₄ O ₄ Si ₄	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	78	C ₈ H ₂₄ O ₄ Si ₄	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122480	58	C ₈ H ₂₄ O ₄ Si ₄	296



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: VHBLK01 Lab Sample ID: 200-1636-7
 Matrix: Water Lab File ID: jbm14.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/22/2010 08:55
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 21:09
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.025
74-87-3	Chloromethane	0.50	U	0.50	0.097
75-01-4	Vinyl chloride	0.50	U	0.50	0.049
74-83-9	Bromomethane	0.50	U	0.50	0.050
75-00-3	Chloroethane	0.50	U	0.50	0.069
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.052
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.038
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.030
67-64-1	Acetone	2.1	J B	5.0	0.93
75-15-0	Carbon disulfide	0.50	U	0.50	0.060
79-20-9	Methyl acetate	0.50	U	0.50	0.075
75-09-2	Methylene chloride	0.50	U	0.50	0.060
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.018
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.032
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.053
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.052
78-93-3	2-Butanone	5.0	U	5.0	0.61
74-97-5	Bromochloromethane	0.50	U	0.50	0.072
67-66-3	Chloroform	0.50	U	0.50	0.047
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.028
110-82-7	Cyclohexane	0.50	U	0.50	0.040
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.038
71-43-2	Benzene	0.50	U	0.50	0.030
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.057
79-01-6	Trichloroethene	0.50	U	0.50	0.054
108-87-2	Methylcyclohexane	0.50	U	0.50	0.049
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.053
75-27-4	Bromodichloromethane	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.036
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.36
108-88-3	Toluene	0.50	U	0.50	0.031
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.031
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.073
127-18-4	Tetrachloroethene	0.50	U	0.50	0.051
591-78-6	2-Hexanone	5.0	U	5.0	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: VHBLK01 Lab Sample ID: 200-1636-7
 Matrix: Water Lab File ID: jbmd14.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/22/2010 08:55
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 21:09
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.50	U	0.50	0.047
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.20
108-90-7	Chlorobenzene	0.50	U	0.50	0.039
100-41-4	Ethylbenzene	0.50	U	0.50	0.050
95-47-6	o-Xylene	0.50	U	0.50	0.041
179601-23-1	m,p-Xylene	0.50	U	0.50	0.033
100-42-5	Styrene	0.50	U	0.50	0.057
75-25-2	Bromoform	0.50	U	0.50	0.066
98-82-8	Isopropylbenzene	0.50	U	0.50	0.044
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.080
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.042
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.035
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.051
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.25
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.047
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.029

CAS NO.	SURROGATE	%REC	LIMITS	Q
6745-35-3	Vinyl chloride-d3	97	65-131	
19199-91-8	Chloroethane-d5	99	71-131	
22280-73-5	1,1-Dichloroethene-d2	79	55-104	
24313-50-6	2-Butanone-d5	107	49-155	
865-49-6	Chloroform-d	104	78-121	
17060-07-0	1,2-Dichloroethane-d4	109	78-129	
1076-43-3	Benzene-d6	106	77-124	
93952-08-0	1,2-Dichloropropane-d6	92	79-124	
2037-26-5	Toluene-d8	102	77-121	
93951-86-1	trans-1,3-Dichloropropene-d4	101	73-121	
4840-82-8	2-Hexanone-d5	101	28-135	
33685-54-0	1,1,2,2-Tetrachloroethane-d2	104	73-125	
2199-69-1	1,2-Dichlorobenzene-d4	110	80-131	

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: VHBLK01 Lab Sample ID: 200-1636-7
Matrix: Water Lab File ID: jbmd14.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/22/2010 08:55
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 21:09
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 7052 Units: ug/L
Number TICs Found: 4 TIC Result Total: 4.79

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	1.68	0.61	B J
	Unknown	6.93	2.7	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	0.85	B J N
	Unknown siloxane derivative	10.72	0.63	B J

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: VHBLK01 Lab Sample ID: 200-1636-7
Matrix: Water Lab File ID: jbmd14.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 09/22/2010 08:55
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 21:09
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-7
Client Smp ID: VHBLK01
Inj Date : 23-SEP-2010 21:09
Operator : JH2
Smp Info : 200-1636-B-7
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2
Cal Date : 21-SEP-2010 17:24
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ng)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====	
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	Compound Not Detected.						
\$ 3 Vinyl chloride-d3	65	1.563	1.563	(0.279)		244688	121.462	4.9
4 Vinyl chloride	62	Compound Not Detected.						
5 Bromomethane	94	Compound Not Detected.						
\$ 6 Chloroethane-d5	69	1.861	1.867	(0.332)		203396	123.214	4.9
7 Chloroethane	64	Compound Not Detected.						
8 Trichlorofluoromethane	101	Compound Not Detected.						
\$ 9 1,1-Dichloroethene-d2	63	2.481	2.481	(0.443)		313803	98.4234	3.9(Q)
10 1,1-Dichloroethene	96	Compound Not Detected.						
11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.						
12 Acetone	43	2.542	2.536	(0.454)		4040	52.0788	2.1
13 Carbon disulfide	76	Compound Not Detected.						
14 Methyl acetate	43	Compound Not Detected.						
15 Methylene chloride	84	Compound Not Detected.						

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96				Compound Not Detected.		
17 Methyl tert-butyl ether	73				Compound Not Detected.		
18 1,1-Dichloroethane	63				Compound Not Detected.		
\$ 19 2-Butanone-d5	46	4.154	4.148	(0.742)	159638	1339.14	54
20 cis-1,2-Dichloroethene	96				Compound Not Detected.		
21 2-Butanone	43				Compound Not Detected.		
22 Bromochloromethane	128				Compound Not Detected.		
\$ 23 Chloroform-d	84	4.525	4.525	(0.809)	375004	129.824	5.2(Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.911)	125280	135.675	5.4
\$ 29 Benzene-d6	84	5.115	5.109	(0.570)	858911	132.284	5.3
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	5.596	5.590	(1.000)	752553	125.000	
33 Trichloroethene	95				Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67	6.040	6.040	(0.673)	197810	115.517	4.6
35 Methylcyclohexane	55				Compound Not Detected.		
36 1,2-Dichloropropane	63				Compound Not Detected.		
37 Bromodichloromethane	83				Compound Not Detected.		
38 cis-1,3-Dichloropropene	75				Compound Not Detected.		
39 4-Methyl-2-pentanone	43				Compound Not Detected.		
\$ 40 Toluene-d8	98	7.275	7.275	(0.811)	811783	127.195	5.1
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)	148932	125.916	5.0
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	163				Compound Not Detected.		
\$ 46 2-Hexanone-d5	63	8.090	8.090	(0.902)	141219	1260.10	50
47 2-Hexanone	43				Compound Not Detected.		
48 Dibromochloromethane	129				Compound Not Detected.		
49 1,2-Dibromoethane	107				Compound Not Detected.		
* 50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	575735	125.000	
51 Chlorobenzene	112				Compound Not Detected.		
52 Ethylbenzene	91				Compound Not Detected.		
53 m,p-Xylene	106				Compound Not Detected.		
54 Styrene	104				Compound Not Detected.		
55 o-Xylene	106				Compound Not Detected.		
56 Bromoform	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.566	10.560	(1.178)	69707	130.444	5.2
59 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
60 1,3-Dichlorobenzene	146				Compound Not Detected.		
* 61 1,4-Dichlorobenzene-d4	152	11.807	11.807	(1.000)	239074	125.000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	180859	137.111	5.5(Q)
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-1636-7
Client Smp ID: VHBLK01
Inj Date : 23-SEP-2010 21:09
Operator : JH2
Smp Info : 200-1636-B-7
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2
Cal Date : 21-SEP-2010 17:24
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jbm08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

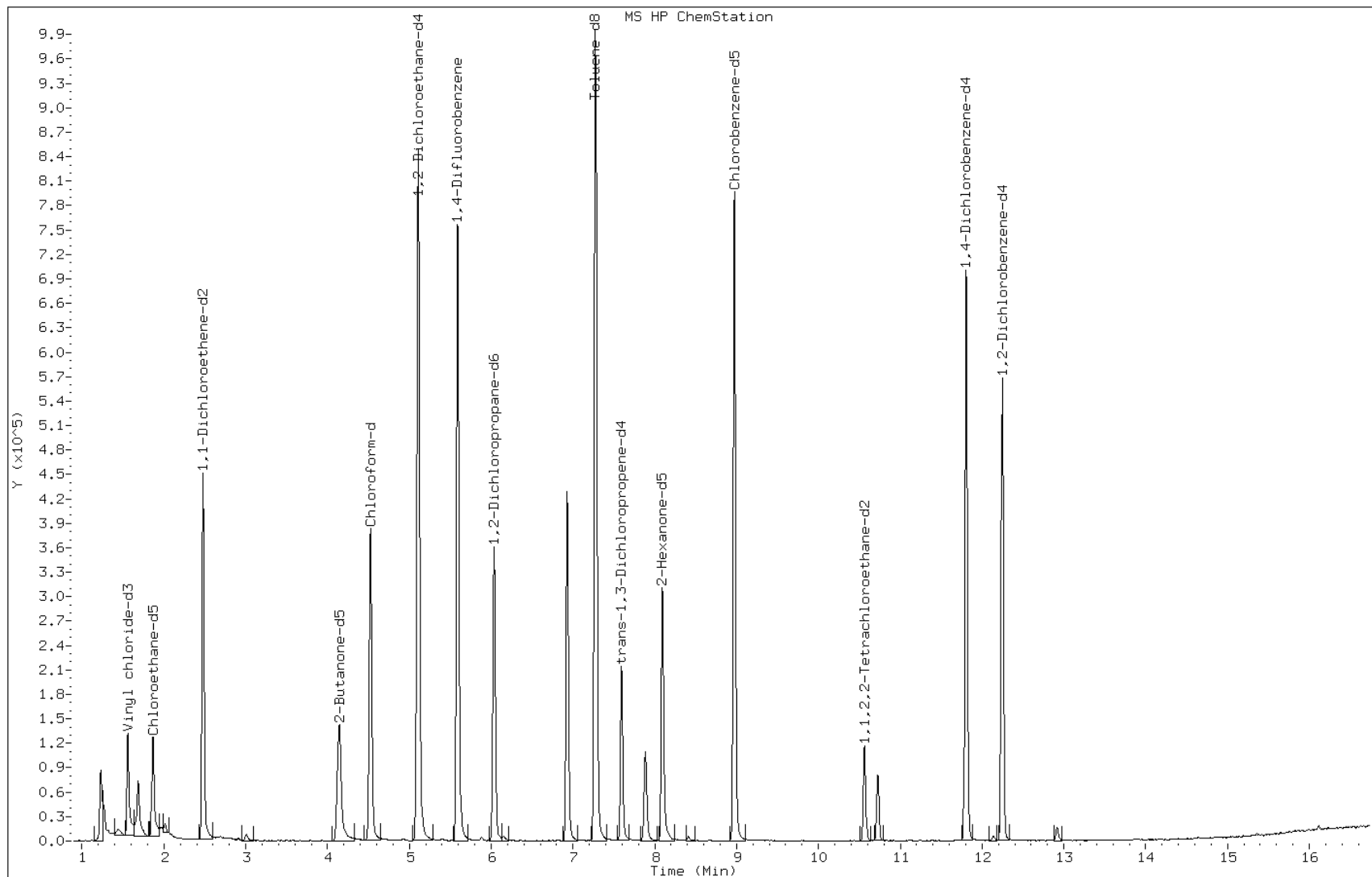
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.596	1649164	125.000
* 50 Chlorobenzene-d5	8.972	1637029	125.000
* 61 1,4-Dichlorobenzene-d4	11.807	1377161	125.000

RT	AREA	CONCENTRATIONS		QUAL	LIBRARY	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)			LIB ENTRY		
=====	=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:			
1.684	202670	15.3615307	0.61	0		0		32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
6.928	899430	68.1731907	2.7	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.883	278373	21.2559337	0.85	91	NIST05.1	73123	50
Unknown siloxane derivative					CAS #:		
10.724	174181	15.8097934	0.63	0		0	61

Data File: jbmd14.d
Client ID: VHBLK01
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 200-1636-B-7
Lab Sample ID: 200-1636-7

Date: 23-SEP-2010 21:09
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



Data File: jbmdd14.d

Lab Sample ID: 200-1636-7

Date: 23-SEP-2010 21:09

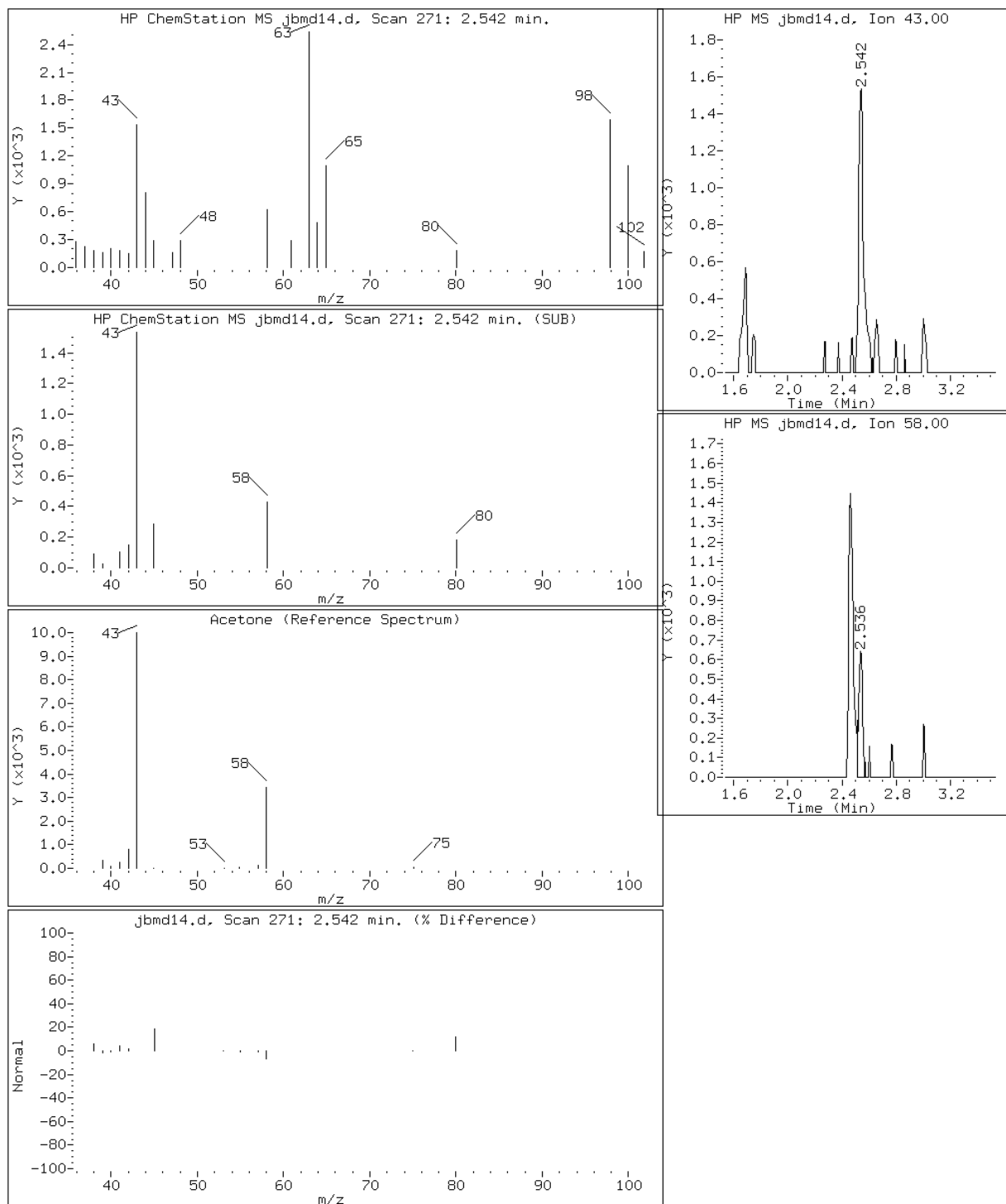
Client ID: VHBLK01

Instrument: J.i

Sample Info: 200-1636-B-7

Operator: JH2

12 Acetone



Data File: jbm14.d

Lab Sample ID: 200-1636-7

Client ID: VHBLK01

Sample Info: 200-1636-B-7

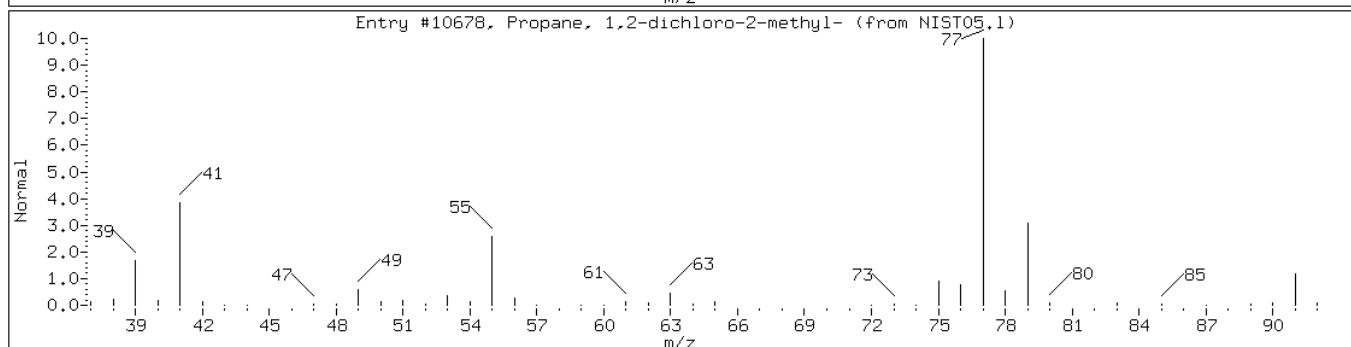
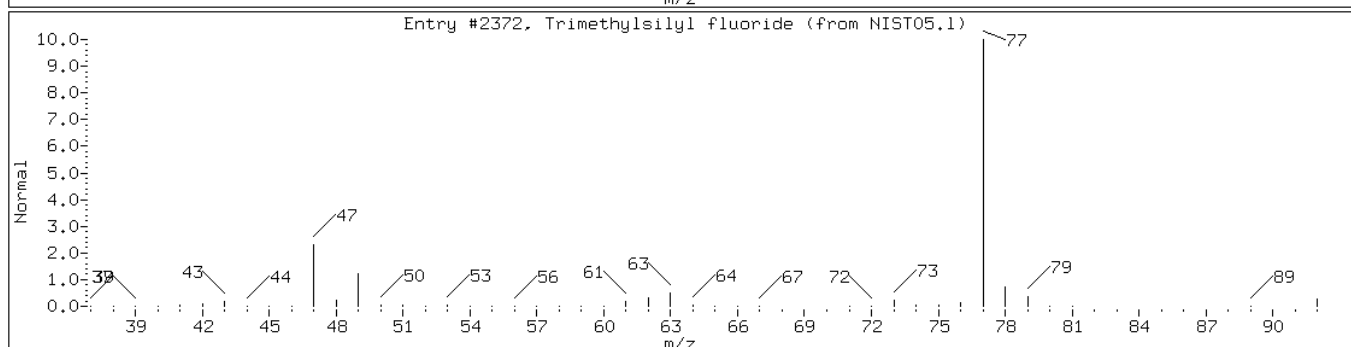
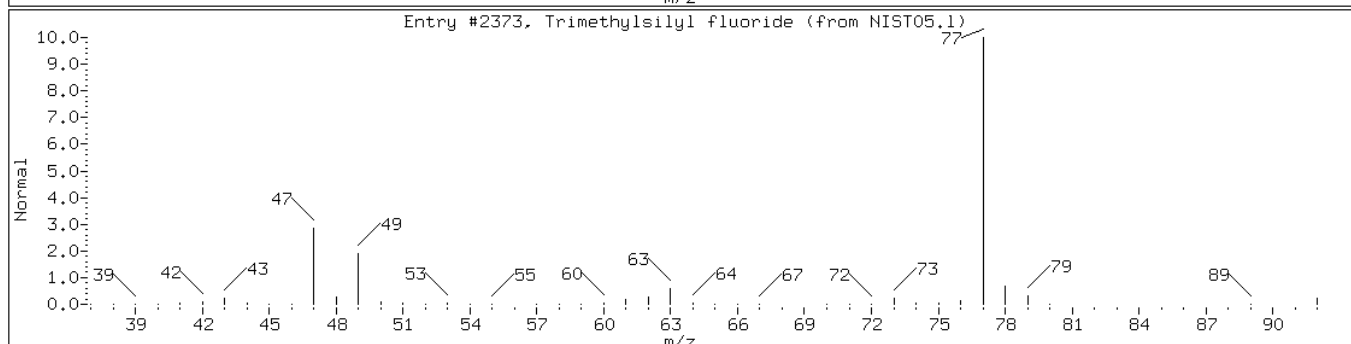
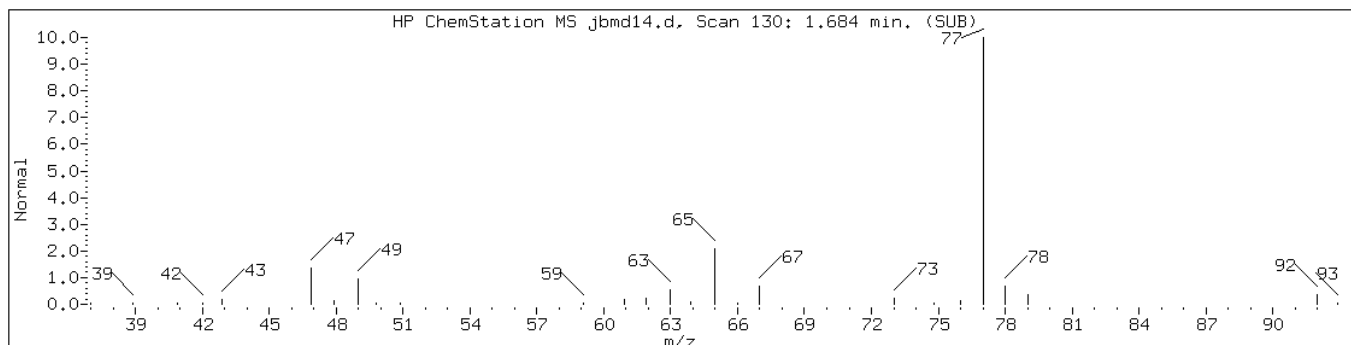
Date: 23-SEP-2010 21:09

Instrument: J.i

Operator: JH2

Retention Time: 1.68

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	74	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	72	C3H9FSi	92
Propane, 1,2-dichloro-2-methyl-	594-37-6	NIST05.1	10678	33	C4H8Cl2	126



Data File: jbm14.d

Lab Sample ID: 200-1636-7

Client ID: VHBLK01

Sample Info: 200-1636-B-7

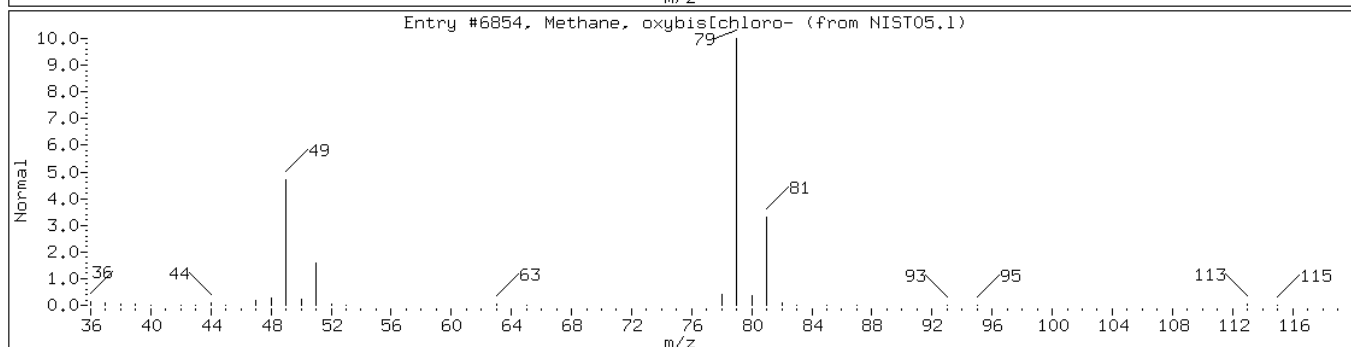
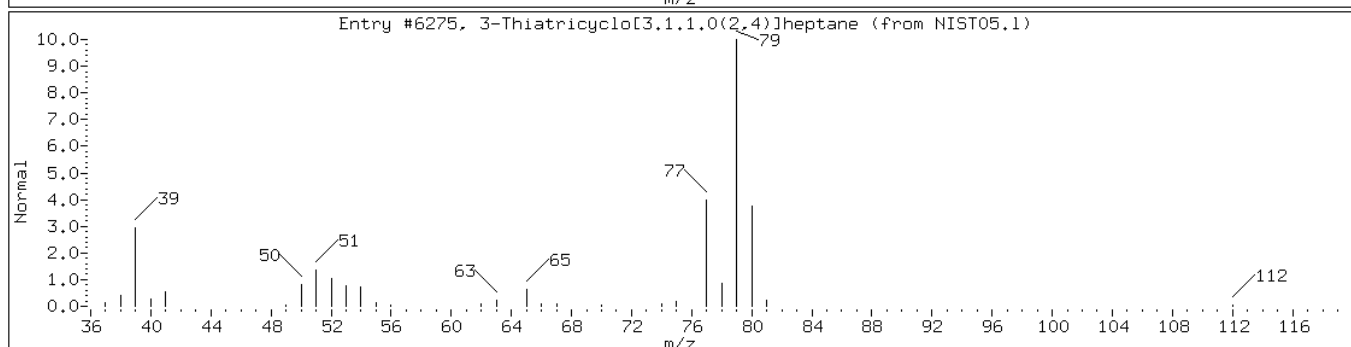
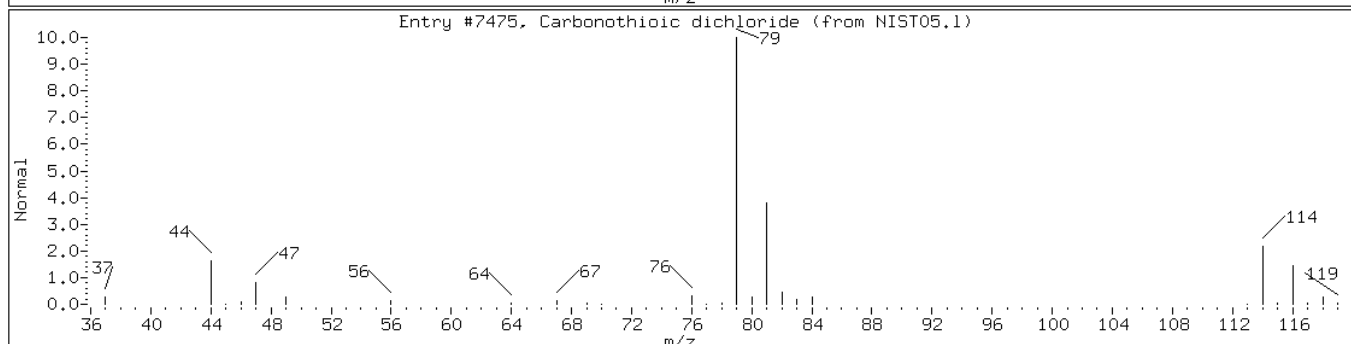
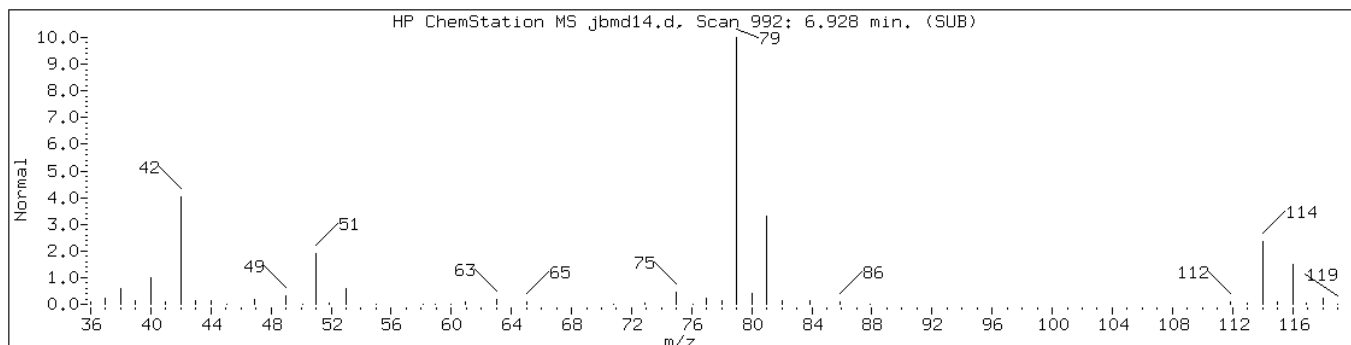
Date: 23-SEP-2010 21:09

Instrument: J.i

Operator: JH2

Retention Time: 6.93

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	49	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.1	6275	37	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114



Data File: jbm14.d

Lab Sample ID: 200-1636-7

Client ID: VHBLK01

Sample Info: 200-1636-B-7

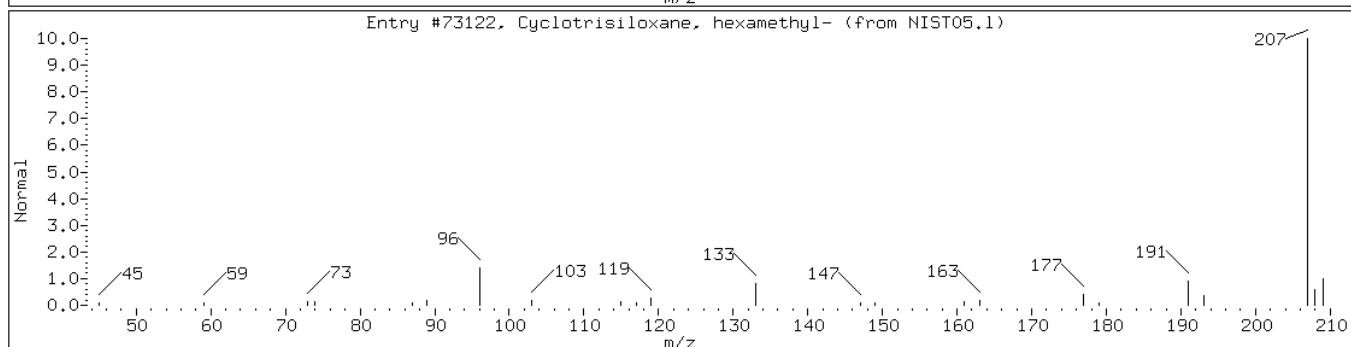
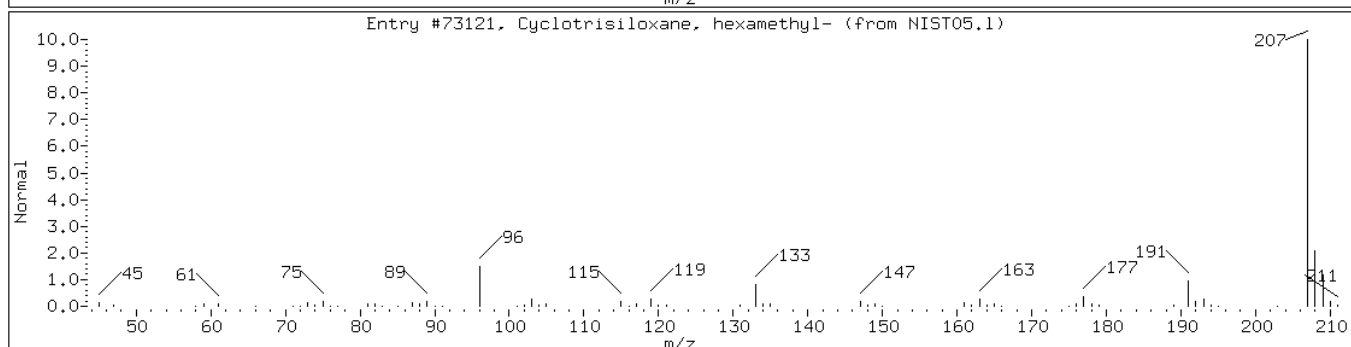
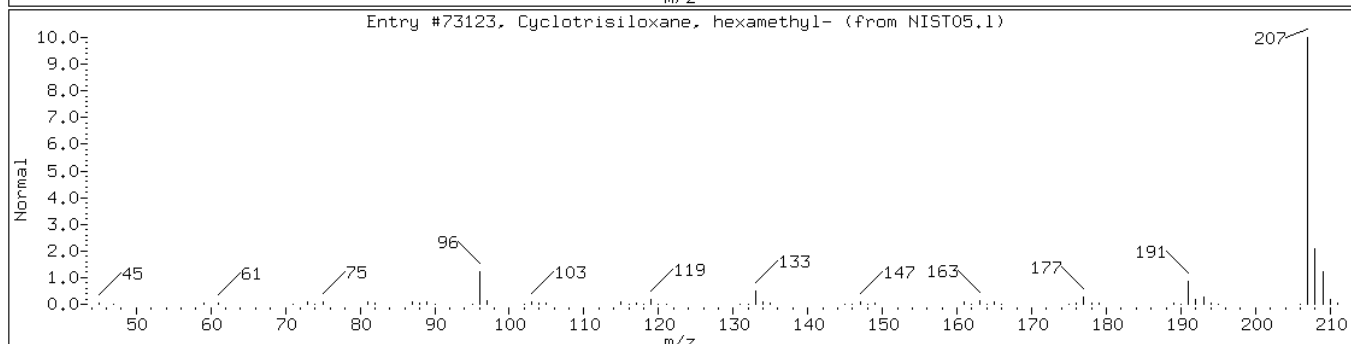
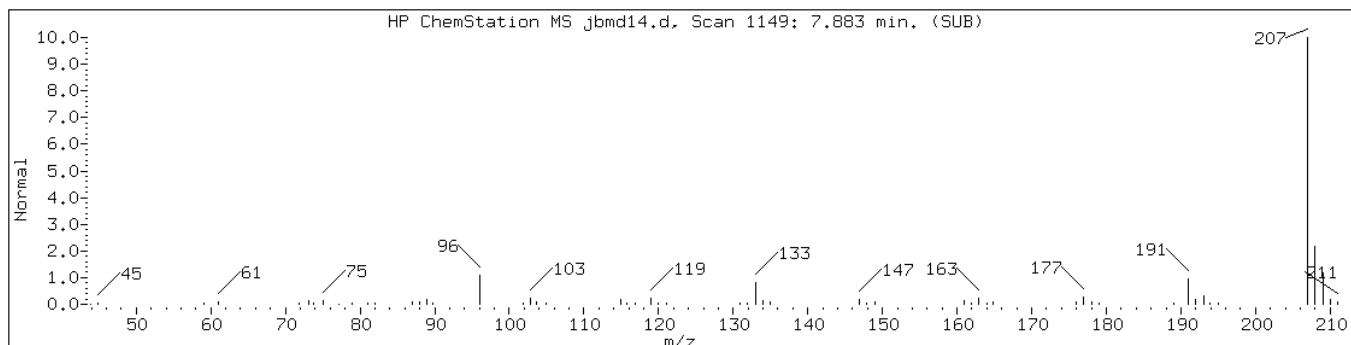
Date: 23-SEP-2010 21:09

Instrument: J.i

Operator: JH2

Retention Time: 7.88

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	91	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	87	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	80	C6H18O3Si3	222



Data File: jbmdd14.d

Lab Sample ID: 200-1636-7

Client ID: VHBLK01

Sample Info: 200-1636-B-7

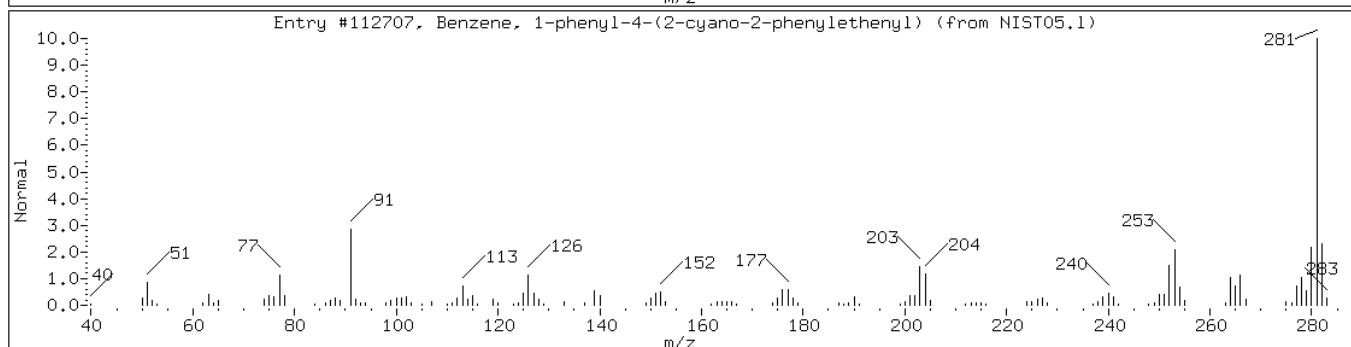
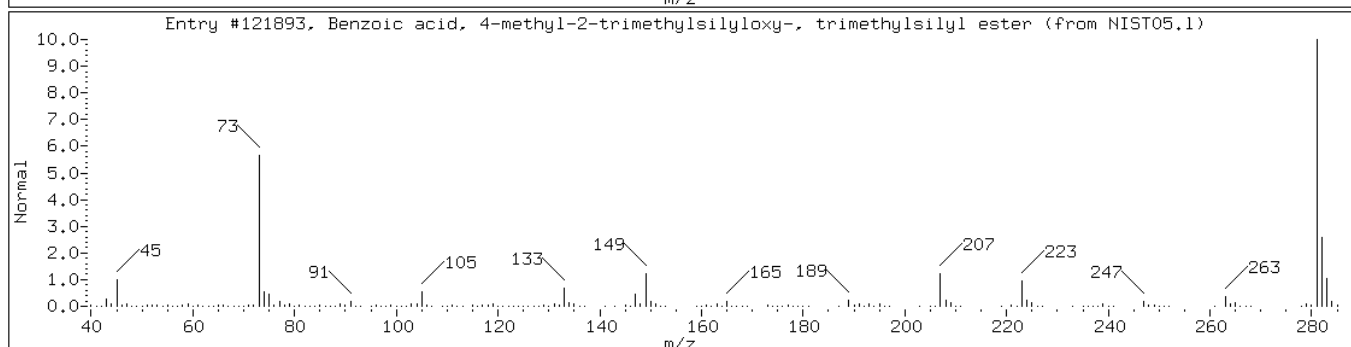
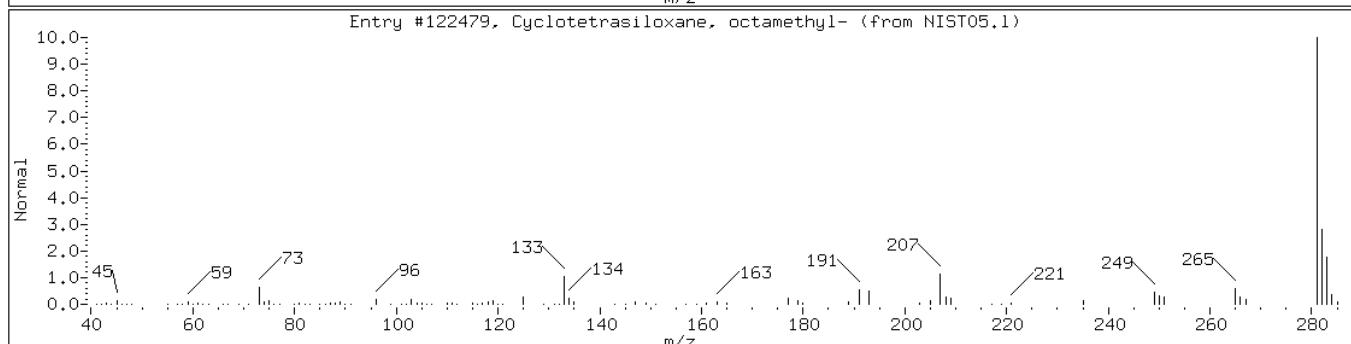
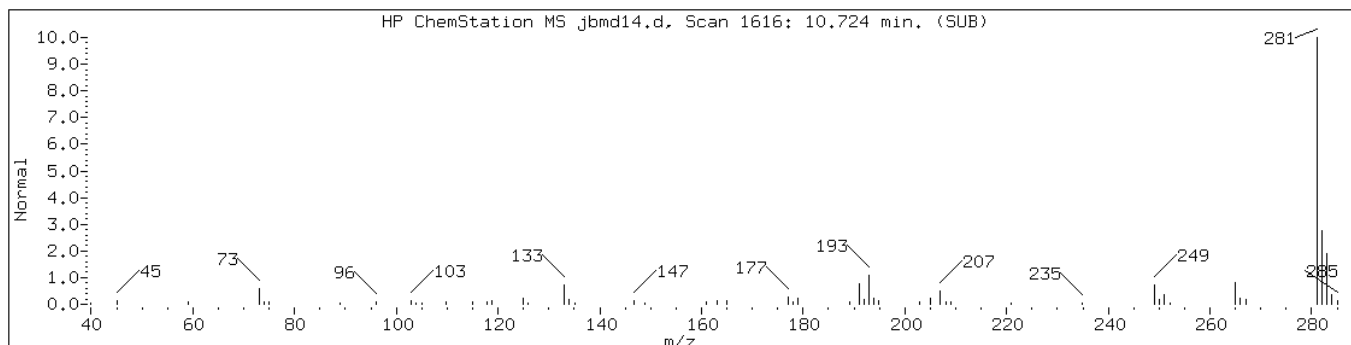
Date: 23-SEP-2010 21:09

Instrument: J.i

Operator: JH2

Retention Time: 10.72

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	64	C ₈ H ₂₄ O ₄ Si ₄	296
Benzoic acid, 4-methyl-2-trimethyl	1000153-59-3	NIST05.1	121893	59	C ₁₄ H ₂₄ O ₃ Si ₂	296
Benzene, 1-phenyl-4-(2-cyano-2-phe	27869-56-3	NIST05.1	112707	59	C ₂₁ H ₁₅ N	281



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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1 Analy Batch No.: 6837

SDG No.: 200-1636-1

Instrument ID: J.i GC Column: DB-624 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2010 14:35 Calibration End Date: 09/21/2010 17:24 Calibration ID: 2422

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-6837/2	jbm02.d
Level 2	IC 200-6837/3	jbm03.d
Level 3	ICIS 200-6837/4	jbm04.d
Level 4	IC 200-6837/5	jbm05.d
Level 5	IC 200-6837/8	jbm08.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								
Dichlorodifluoromethane	0.4750	0.4841	0.4508	0.4594	0.4422	Ave		0.4623			0.0100	3.7		40.0			
Chloromethane	0.4264	0.4010	0.3609	0.3478	0.3280	Ave		0.3728			0.0100	10.8		40.0			
Vinyl chloride	0.3891	0.4041	0.3703	0.3708	0.3515	Ave		0.3772			0.1000	5.3		30.0			
Bromomethane	0.2279	0.2206	0.1978	0.1996	0.2026	Ave		0.2097			0.1000	6.5		30.0			
Chloroethane	0.1661	0.1502	0.2252	0.2328	0.2133	Ave		0.1975			0.0100	18.7		40.0			
Trichlorofluoromethane	0.5808	0.6100	0.5835	0.5921	0.5631	Ave		0.5859			0.0100	2.9		40.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3269	0.3367	0.3153	0.3247	0.3263	Ave		0.3260			0.0100	2.3		40.0			
1,1-Dichloroethene	0.2886	0.2901	0.2794	0.2872	0.2796	Ave		0.2850			0.1000	1.8		30.0			
Acetone	0.0158	0.0160	0.0105	0.0114	0.0107	Ave		0.0129			0.0100	21.7		40.0			
Carbon disulfide	0.8612	0.8293	0.7530	0.7729	0.7505	Ave		0.7934			0.0100	6.2		40.0			
Methyl acetate	0.0330	0.0442	0.0351	0.0355	0.0349	Ave		0.0365			0.0100	12.0		40.0			
Methylene chloride	0.2112	0.2110	0.2150	0.2172	0.2085	Ave		0.2126			0.0100	1.6		40.0			
Methyl tert-butyl ether	0.3111	0.3363	0.3215	0.3331	0.3230	Ave		0.3250			0.0100	3.1		40.0			
trans-1,2-Dichloroethene	0.3045	0.3109	0.2970	0.3050	0.2968	Ave		0.3028			0.0100	2.0		40.0			
1,1-Dichloroethane	0.4801	0.5279	0.4870	0.5022	0.4813	Ave		0.4957			0.2000	4.0		40.0			
cis-1,2-Dichloroethene	0.2859	0.2952	0.2858	0.2915	0.2832	Ave		0.2883			0.0100	1.7		40.0			
2-Butanone	0.0183	0.0203	0.0186	0.0191	0.0187	Ave		0.0190			0.0100	4.1		40.0			
Bromochloromethane	0.0841	0.0913	0.0864	0.0854	0.0843	Ave		0.0863			0.0500	3.4		30.0			
Chloroform	0.4737	0.5064	0.4672	0.4811	0.4679	Ave		0.4793			0.2000	3.4		30.0			
1,1,1-Trichloroethane	0.6617	0.6916	0.6684	0.6889	0.6425	Ave		0.6706			0.1000	3.0		30.0			
Cyclohexane	0.6535	0.6738	0.6633	0.6791	0.6362	Ave		0.6612			0.0100	2.6		40.0			
Carbon tetrachloride	0.5893	0.6217	0.6096	0.6293	0.5993	Ave		0.6098			0.1000	2.7		30.0			
Benzene	1.4924	1.6072	1.5624	1.5991	1.5139	Ave		1.5550			0.4000	3.3		30.0			
1,2-Dichloroethane	0.1916	0.1958	0.1905	0.2008	0.1924	Ave		0.1942			0.1000	2.2		30.0			
Trichloroethene	0.4226	0.4280	0.4166	0.4280	0.3991	Ave		0.4189			0.3000	2.9		30.0			
Methylcyclohexane	0.5169	0.5509	0.5363	0.5387	0.5152	Ave		0.5316			0.0100	2.9		40.0			
1,2-Dichloropropane	0.2623	0.2955	0.2874	0.3005	0.2824	Ave		0.2856			0.0100	5.2		40.0			
Bromodichloromethane	0.3144	0.3509	0.3530	0.3531	0.3443	Ave		0.3431			0.2000	4.8		30.0			
cis-1,3-Dichloropropene	0.3940	0.4060	0.4181	0.4327	0.4196	Ave		0.4141			0.2000	3.5		30.0			
4-Methyl-2-pentanone	0.0557	0.0642	0.0633	0.0662	0.0616	Ave		0.0622			0.0100	6.4		40.0			
Toluene	1.6046	1.6970	1.6630	1.7022	1.6461	Ave		1.6626			0.4000	2.4		30.0			
trans-1,3-Dichloropropene	0.2564	0.2873	0.2951	0.3064	0.2972	Ave		0.2885			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 EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-1636-1 Analy Batch No.: 6837

SDG No.: 200-1636-1

Instrument ID: J.i GC Column: DB-624 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2010 14:35 Calibration End Date: 09/21/2010 17:24 Calibration ID: 2422

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,2-Trichloroethane	0.1171	0.1484	0.1445	0.1446	0.1330	Ave		0.1375			0.1000	9.3		30.0			
Tetrachloroethene	0.3681	0.3806	0.3784	0.3838	0.3645	Ave		0.3751			0.1000	2.2		30.0			
2-Hexanone	0.0514	0.0483	0.0427	0.0441	0.0405	Ave		0.0454			0.0100	9.7		40.0			
Dibromochloromethane	0.1530	0.1777	0.1828	0.1831	0.1862	Ave		0.1766			0.1000	7.7		30.0			
1,2-Dibromoethane	0.1201	0.1283	0.1324	0.1347	0.1244	Ave		0.1280			0.0100	4.6		40.0			
Chlorobenzene	0.9635	1.0220	0.9759	1.0045	0.9636	Ave		0.9859			0.5000	2.7		30.0			
Ethylbenzene	1.8354	1.9387	1.9531	2.0171	1.9663	Ave		1.9421			0.1000	3.4		30.0			
m,p-Xylene	0.7039	0.7420	0.7498	0.7823	0.7521	Ave		0.7460			0.3000	3.8		30.0			
o-Xylene	0.6225	0.6590	0.6792	0.7002	0.6761	Ave		0.6674			0.3000	4.4		30.0			
Styrene	0.8430	0.9081	0.9652	1.0304	1.0022	Ave		0.9498			0.3000	7.9		30.0			
Bromoform	0.1740	0.1608	0.1805	0.1647	0.1808	Ave		0.1722			0.0500	5.3		30.0			
Isopropylbenzene	1.8465	1.9423	1.9968	2.0697	2.0139	Ave		1.9738			0.0100	4.3		40.0			
1,1,2,2-Tetrachloroethane	0.1141	0.1243	0.1265	0.1262	0.1200	Ave		0.1222			0.1000	4.3		30.0			
1,3-Dichlorobenzene	1.4980	1.5162	1.4962	1.5068	1.4817	Ave		1.4998			0.4000	0.9		30.0			
1,4-Dichlorobenzene	1.5068	1.5277	1.4568	1.4683	1.4220	Ave		1.4763			0.4000	2.8		30.0			
1,2-Dichlorobenzene	1.0399	1.1000	1.0992	1.1143	1.0784	Ave		1.0864			0.4000	2.7		30.0			
1,2-Dibromo-3-chloropropane	0.0350	0.0364	0.0361	0.0356	0.0337	Ave		0.0354			0.0100	3.0		40.0			
1,2,4-Trichlorobenzene	0.6740	0.7195	0.6838	0.7116	0.6844	Ave		0.6947			0.2000	2.8		30.0			
1,2,3-Trichlorobenzene	0.4288	0.4548	0.4317	0.4565	0.4263	Ave		0.4396			0.2000	3.4		30.0			
Vinyl chloride-d3	0.3293	0.3737	0.3242	0.3324	0.3134	Ave		0.3346			0.0100	6.9		30.0			
Chloroethane-d5	0.2686	0.2971	0.2738	0.2727	0.2587	Ave		0.2742			0.0100	5.2		40.0			
1,1-Dichloroethene-d2	0.5341	0.5456	0.5244	0.5314	0.5124	Ave		0.5296			0.0100	2.3		30.0			
2-Butanone-d5	0.0174	0.0217	0.0200	0.0202	0.0197	Ave		0.0198			0.0100	7.8		40.0			
Chloroform-d	0.4738	0.4974	0.4710	0.4854	0.4713	Ave		0.4798			0.0100	2.4		30.0			
1,2-Dichloroethane-d4	0.1581	0.1552	0.1524	0.1533	0.1479	Ave		0.1534			0.0100	2.5		30.0			
Benzene-d6	1.3636	1.4609	1.4079	1.4434	1.3728	Ave		1.4097			0.0100	3.0		30.0			
1,2-Dichloropropane-d6	0.3735	0.3972	0.3848	0.3370	0.3664	Ave		0.3718			0.0100	6.1		40.0			
Toluene-d8	1.3210	1.4156	1.3819	1.4357	1.3742	Ave		1.3857			0.0100	3.2		30.0			
trans-1,3-Dichloropropene-d4	0.2408	0.2508	0.2591	0.2731	0.2601	Ave		0.2568			0.0100	4.7		30.0			
2-Hexanone-d5	0.0215	0.0249	0.0245	0.0263	0.0245	Ave		0.0243			0.0100	7.1		40.0			
1,1,2,2-Tetrachloroethane-d2	0.0998	0.1186	0.1211	0.1232	0.1174	Ave		0.1160			0.0100	8.0		30.0			
1,2-Dichlorobenzene-d4	0.7057	0.6977	0.6780	0.6910	0.6760	Ave		0.6897			0.0100	1.8		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 Burlington Job No.: 200-1636-1 Analy Batch No.: 6837

SDG No.: 200-1636-1

Instrument ID: J.i GC Column: DB-624 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2010 14:35 Calibration End Date: 09/21/2010 17:24 Calibration ID: 2422

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-6837/2	jbm02.d
Level 2	IC 200-6837/3	jbm03.d
Level 3	ICIS 200-6837/4	jbm04.d
Level 4	IC 200-6837/5	jbm05.d
Level 5	IC 200-6837/8	jbm08.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	DFB	Ave	41280	77483	383014	770195	1543176	12.5	25.0	125	250	500
Chloromethane	DFB	Ave	37059	64174	306597	582992	1144760	12.5	25.0	125	250	500
Vinyl chloride	DFB	Ave	33811	64677	314636	621649	1226829	12.5	25.0	125	250	500
Bromomethane	DFB	Ave	19804	35305	168084	334652	706975	12.5	25.0	125	250	500
Chloroethane	DFB	Ave	14431	24043	191303	390237	744279	12.5	25.0	125	250	500
Trichlorofluoromethane	DFB	Ave	50473	97621	495713	992566	1965148	12.5	25.0	125	250	500
1,1,2-Trichloro-1,2,2-trifluoroethane	DFB	Ave	28408	53893	267914	544330	1138619	12.5	25.0	125	250	500
1,1-Dichloroethene	DFB	Ave	25082	46432	237339	481485	975814	12.5	25.0	125	250	500
Acetone	DFB	Ave	13739	25675	89262	190560	373450	125	250	1250	2500	5000
Carbon disulfide	DFB	Ave	74839	132721	639717	1295652	2619167	12.5	25.0	125	250	500
Methyl acetate	DFB	Ave	2872	7072	29816	59478	121872	12.5	25.0	125	250	500
Methylene chloride	DFB	Ave	18358	33777	182624	364065	727791	12.5	25.0	125	250	500
Methyl tert-butyl ether	DFB	Ave	27039	53823	273148	558316	1127259	12.5	25.0	125	250	500
trans-1,2-Dichloroethene	DFB	Ave	26465	49756	252376	511266	1035677	12.5	25.0	125	250	500
1,1-Dichloroethane	DFB	Ave	41722	84490	413752	841931	1679863	12.5	25.0	125	250	500
cis-1,2-Dichloroethene	DFB	Ave	24843	47246	242831	488594	988232	12.5	25.0	125	250	500
2-Butanone	DFB	Ave	15901	32470	158114	320098	652819	125	250	1250	2500	5000
Bromochloromethane	DFB	Ave	7305	14612	73401	143126	294316	12.5	25.0	125	250	500
Chloroform	DFB	Ave	41169	81050	396915	806457	1632920	12.5	25.0	125	250	500
1,1,1-Trichloroethane	CBZ	Ave	43202	83894	426471	867241	1736783	12.5	25.0	125	250	500
Cyclohexane	CBZ	Ave	42670	81730	423198	854823	1719568	12.5	25.0	125	250	500
Carbon tetrachloride	CBZ	Ave	38478	75413	388956	792138	1619853	12.5	25.0	125	250	500
Benzene	CBZ	Ave	97445	194953	996890	2013038	4091881	12.5	25.0	125	250	500
1,2-Dichloroethane	DFB	Ave	16652	31332	161841	336642	671411	12.5	25.0	125	250	500
Trichloroethene	CBZ	Ave	27595	51915	265803	538812	1078636	12.5	25.0	125	250	500
Methylcyclohexane	CBZ	Ave	33751	66830	342178	678155	1392559	12.5	25.0	125	250	500
1,2-Dichloropropane	CBZ	Ave	17126	35850	183364	378298	763205	12.5	25.0	125	250	500
Bromodichloromethane	CBZ	Ave	20527	42566	225198	444557	930505	12.5	25.0	125	250	500
cis-1,3-Dichloropropene	CBZ	Ave	25725	49250	266734	544642	1134208	12.5	25.0	125	250	500
4-Methyl-2-pentanone	CBZ	Ave	36376	77851	403977	833450	1665282	125	250	1250	2500	5000
Toluene	CBZ	Ave	104769	205849	1061076	2142744	4449330	12.5	25.0	125	250	500
trans-1,3-Dichloropropene	CBZ	Ave	16738	34852	188266	385681	803298	12.5	25.0	125	250	500
1,1,2-Trichloroethane	CBZ	Ave	7645	18003	92213	182013	359623	12.5	25.0	125	250	500

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1 Analy Batch No.: 6837

SDG No.: 200-1636-1

Instrument ID: J.i GC Column: DB-624 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2010 14:35 Calibration End Date: 09/21/2010 17:24 Calibration ID: 2422

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	24035	46172	241461	483195	985242	12.5	25.0	125	250	500
2-Hexanone	CBZ	Ave	33586	58636	272146	555713	1094707	125	250	1250	2500	5000
Dibromochloromethane	CBZ	Ave	9992	21551	116648	230502	503419	12.5	25.0	125	250	500
1,2-Dibromoethane	CBZ	Ave	7844	15566	84485	169511	336126	12.5	25.0	125	250	500
Chlorobenzene	CBZ	Ave	62908	123970	622671	1264544	2604479	12.5	25.0	125	250	500
Ethylbenzene	CBZ	Ave	119838	235175	1246185	2539177	5314911	12.5	25.0	125	250	500
m,p-Xylene	CBZ	Ave	45960	90007	478379	984769	2032767	12.5	25.0	125	250	500
o-Xylene	CBZ	Ave	40645	79940	433337	881413	1827518	12.5	25.0	125	250	500
Styrene	CBZ	Ave	55045	110150	615827	1297051	2708817	12.5	25.0	125	250	500
Bromoform	DCB	Ave	4899	8735	52086	97197	226045	12.5	25.0	125	250	500
Isopropylbenzene	CBZ	Ave	120563	235603	1274032	2605393	5443370	12.5	25.0	125	250	500
1,1,2,2-Tetrachloroethane	CBZ	Ave	7451	15082	80696	158839	324381	12.5	25.0	125	250	500
1,3-Dichlorobenzene	DCB	Ave	42187	82349	431722	889408	1851924	12.5	25.0	125	250	500
1,4-Dichlorobenzene	DCB	Ave	42437	82977	420356	866667	1777380	12.5	25.0	125	250	500
1,2-Dichlorobenzene	DCB	Ave	29288	59747	317173	657704	1347866	12.5	25.0	125	250	500
1,2-Dibromo-3-chloropropane	DCB	Ave	985	1979	10405	21003	42121	12.5	25.0	125	250	500
1,2,4-Trichlorobenzene	DCB	Ave	18981	39081	197299	420022	855446	12.5	25.0	125	250	500
1,2,3-Trichlorobenzene	DCB	Ave	12077	24701	124557	269436	532819	12.5	25.0	125	250	500
Vinyl chloride-d3	DFB	Ave	28618	59815	275438	557211	1093865	12.5	25.0	125	250	500
Chloroethane-d5	DFB	Ave	23345	47548	232635	457206	902813	12.5	25.0	125	250	500
1,1-Dichloroethene-d2	DFB	Ave	46415	87320	445549	890763	1788322	12.5	25.0	125	250	500
2-Butanone-d5	DFB	Ave	15147	34745	169775	337816	688587	125	250	1250	2500	5000
Chloroform-d	DFB	Ave	41174	79607	400170	813756	1644913	12.5	25.0	125	250	500
1,2-Dichloroethane-d4	DFB	Ave	13742	24838	129453	257029	516010	12.5	25.0	125	250	500
Benzene-d6	CBZ	Ave	89031	177206	898277	1817050	3710666	12.5	25.0	125	250	500
1,2-Dichloropropane-d6	CBZ	Ave	24384	48178	245544	424284	990372	12.5	25.0	125	250	500
Toluene-d8	CBZ	Ave	86252	171719	881684	1807273	3714273	12.5	25.0	125	250	500
trans-1,3-Dichloropropene-d4	CBZ	Ave	15725	30424	165302	343847	703120	12.5	25.0	125	250	500
2-Hexanone-d5	CBZ	Ave	14063	30201	156008	331029	661598	125	250	1250	2500	5000
1,1,2,2-Tetrachloroethane-d2	CBZ	Ave	6517	14390	77266	155106	317215	12.5	25.0	125	250	500
1,2-Dichlorobenzene-d4	DCB	Ave	19875	37892	195625	407874	844958	12.5	25.0	125	250	500

Curve Type Legend:

Ave = Average ISTD

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmsmtr.b/jbm02.d
Lab Smp Id: IC Client Smp ID: VSTD0.5JB
Inj Date : 21-SEP-2010 14:35
Operator : JH2 Inst ID: J.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmsmtr.b/somtr5t.m
Meth Date : 22-Sep-2010 14:42 jh2 Quant Type: ISTD
Cal Date : 21-SEP-2010 14:35 Cal File: jbm02.d
Als bottle: 16 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85		1.350	1.350	(0.241)	41280	12.5000	13
2 Chloromethane	50		1.532	1.563	(0.274)	37059	12.5000	14
\$ 3 Vinyl chloride-d3	65		1.563	1.563	(0.280)	28618	12.5000	12
4 Vinyl chloride	62		1.569	1.563	(0.281)	33811	12.5000	13(Q)
5 Bromomethane	94		1.812	1.812	(0.324)	19804	12.5000	14
\$ 6 Chloroethane-d5	69		1.867	1.861	(0.334)	23345	12.5000	12
7 Chloroethane	64		1.885	1.885	(0.337)	14431	12.5000	11(M)
8 Trichlorofluoromethane	101		2.074	2.074	(0.371)	50473	12.5000	12
\$ 9 1,1-Dichloroethene-d2	63		2.481	2.481	(0.444)	46415	12.5000	13
10 1,1-Dichloroethene	96		2.487	2.493	(0.445)	25082	12.5000	13
11 1,1,2-Trichloro-1,2,2-trifluo	101		2.487	2.487	(0.445)	28408	12.5000	13
12 Acetone	43		2.536	2.536	(0.454)	13739	125.000	150
13 Carbon disulfide	76		2.682	2.688	(0.480)	74839	12.5000	14
14 Methyl acetate	43		2.816	2.816	(0.504)	2872	12.5000	11
15 Methylene chloride	84		2.913	2.913	(0.521)	18358	12.5000	12

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	3.163	3.163	(0.566)	26465	12.5000	13
17 Methyl tert-butyl ether	73	3.157	3.157	(0.565)	27039	12.5000	12
18 1,1-Dichloroethane	63	3.576	3.576	(0.640)	41722	12.5000	12
\$ 19 2-Butanone-d5	46	4.154	4.148	(0.743)	15147	125.000	110(Q)
20 cis-1,2-Dichloroethene	96	4.191	4.191	(0.750)	24843	12.5000	12
21 2-Butanone	43	4.221	4.215	(0.755)	15901	125.000	120
22 Bromochloromethane	128	4.452	4.458	(0.796)	7305	12.5000	12
\$ 23 Chloroform-d	84	4.525	4.525	(0.810)	41174	12.5000	12
24 Chloroform	83	4.544	4.544	(0.813)	41169	12.5000	12
25 1,1,1-Trichloroethane	97	4.738	4.738	(0.528)	43202	12.5000	12
26 Cyclohexane	56	4.793	4.799	(0.534)	42670	12.5000	12
27 Carbon tetrachloride	117	4.921	4.921	(0.548)	38478	12.5000	12
\$ 28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.912)	13742	12.5000	13
\$ 29 Benzene-d6	84	5.109	5.109	(0.569)	89031	12.5000	12
30 Benzene	78	5.152	5.158	(0.574)	97445	12.5000	12
31 1,2-Dichloroethane	62	5.182	5.182	(0.927)	16652	12.5000	12
* 32 1,4-Difluorobenzene	114	5.590	5.596	(1.000)	869037	125.000	
33 Trichloroethene	95	5.882	5.882	(0.656)	27595	12.5000	13
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.034	(0.672)	24384	12.5000	13
35 Methylcyclohexane	55	6.089	6.089	(0.679)	33751	12.5000	12
36 1,2-Dichloropropane	63	6.138	6.138	(0.684)	17126	12.5000	11
37 Bromodichloromethane	83	6.454	6.454	(0.719)	20527	12.5000	11
38 cis-1,3-Dichloropropene	75	6.971	6.971	(0.777)	25725	12.5000	12
39 4-Methyl-2-pentanone	43	7.166	7.166	(0.799)	36376	125.000	110
\$ 40 Toluene-d8	98	7.275	7.275	(0.811)	86252	12.5000	12
41 Toluene	91	7.354	7.354	(0.820)	104769	12.5000	12
\$ 42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)	15725	12.5000	12
43 trans-1,3-Dichloropropene	75	7.628	7.628	(0.850)	16738	12.5000	11
44 1,1,2-Trichloroethane	97	7.835	7.835	(0.873)	7645	12.5000	11
45 Tetrachloroethene	164	7.987	7.987	(0.890)	24035	12.5000	12
\$ 46 2-Hexanone-d5	63	8.090	8.090	(0.902)	14063	125.000	110
47 2-Hexanone	43	8.151	8.145	(0.908)	33586	125.000	140
48 Dibromochloromethane	129	8.291	8.291	(0.924)	9992	12.5000	11
49 1,2-Dibromoethane	107	8.419	8.419	(0.938)	7844	12.5000	12
* 50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	652927	125.000	
51 Chlorobenzene	112	9.003	9.003	(1.003)	62908	12.5000	12
52 Ethylbenzene	91	9.143	9.143	(1.019)	119838	12.5000	12
53 m,p-Xylene	106	9.289	9.289	(1.035)	45960	12.5000	12
54 Styrene	104	9.782	9.782	(1.090)	55045	12.5000	11
55 o-Xylene	106	9.763	9.763	(1.088)	40645	12.5000	12
56 Bromoform	173	9.994	9.994	(0.847)	4899	12.5000	13
57 Isopropylbenzene	105	10.213	10.213	(1.138)	120563	12.5000	12
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.560	10.566	(1.177)	6517	12.5000	11
59 1,1,2,2-Tetrachloroethane	83	10.597	10.597	(1.181)	7451	12.5000	12
60 1,3-Dichlorobenzene	146	11.722	11.722	(0.993)	42187	12.5000	12
* 61 1,4-Dichlorobenzene-d4	152	11.801	11.801	(1.000)	281630	125.000	
62 1,4-Dichlorobenzene	146	11.832	11.832	(1.003)	42437	12.5000	13

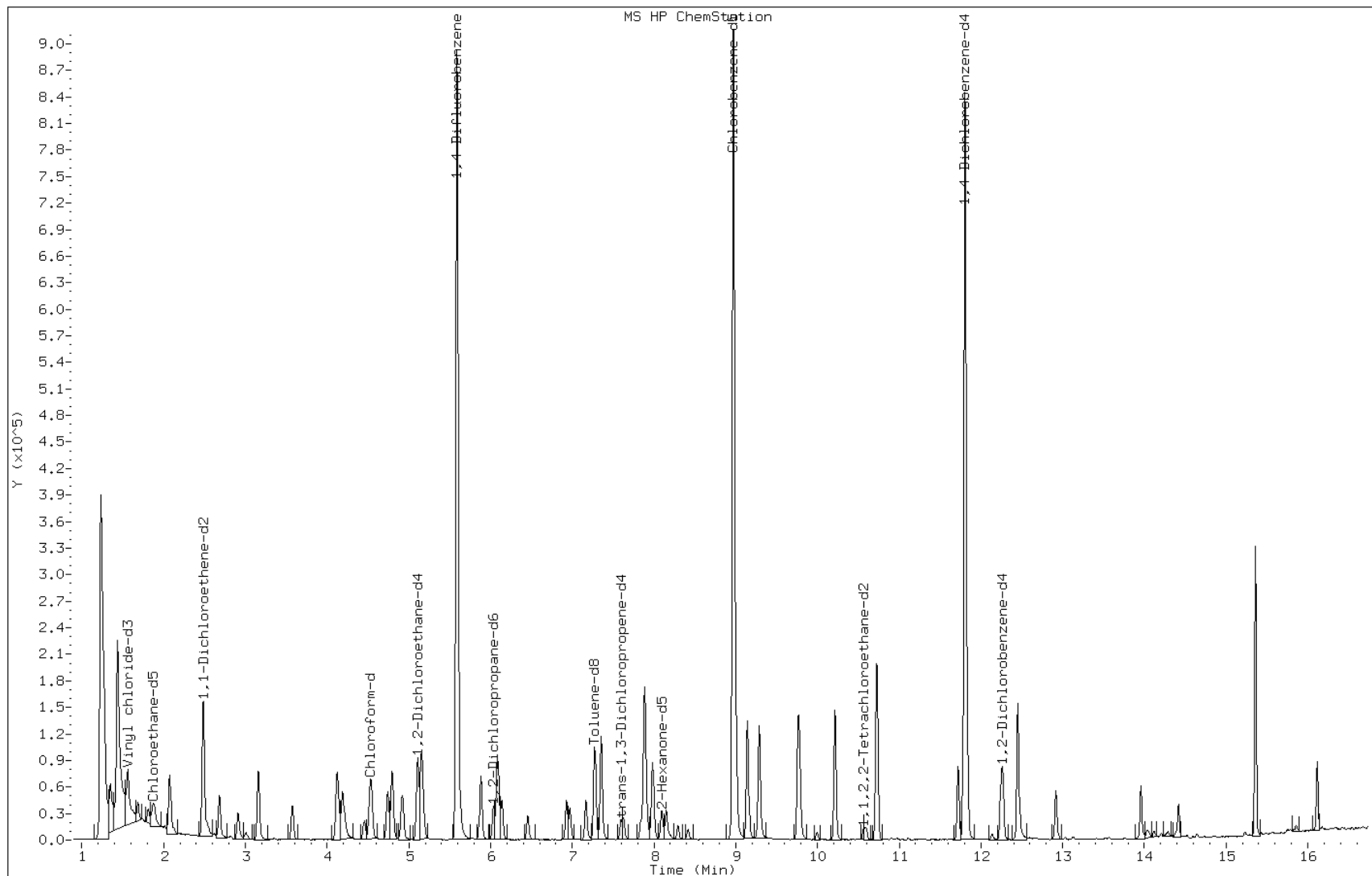
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.038)	19875	12.5000	13
64 1,2-Dichlorobenzene	146	12.270	12.270	(1.040)	29288	12.5000	12
65 1,2-Dibromo-3-chloropropane	75	13.128	13.128	(1.112)	985	12.5000	12(Q)
66 1,2,4-Trichlorobenzene	180	13.955	13.955	(1.182)	18981	12.5000	12
67 1,2,3-Trichlorobenzene	180	14.417	14.417	(1.222)	12077	12.5000	12

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: jbm02.d
Client ID: VSTD0.5JB
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: IC
Lab Sample ID: IC

Date: 21-SEP-2010 14:35
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20

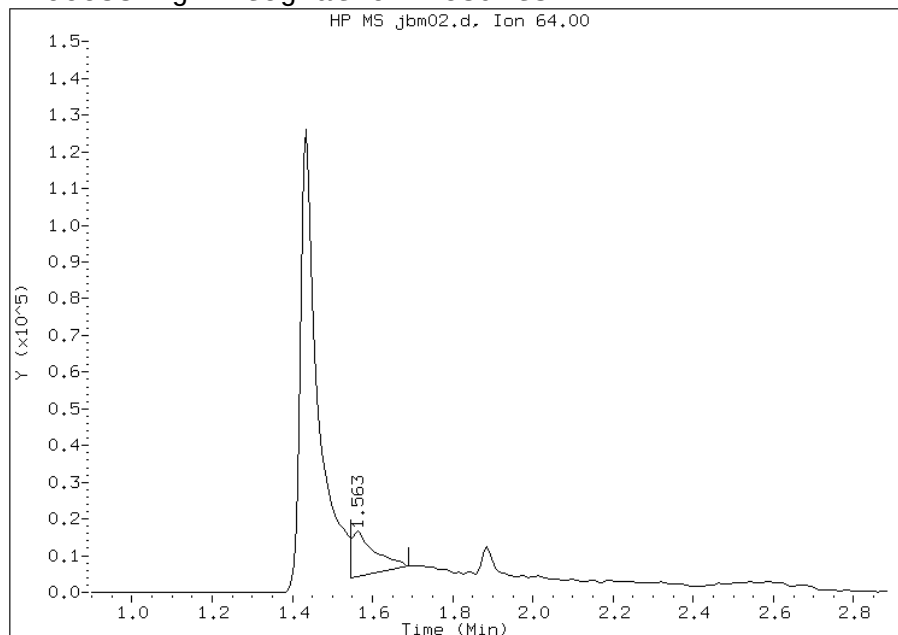


Manual Integration Report

Data File: jbm02.d
Lab Sample ID: IC
Inj. Date and Time: 21-SEP-2010 14:35
Instrument ID: J.i
Client ID: VSTD0.5JB
Compound: 7 Chloroethane
CAS #: 75-00-3
Report Date: 09/22/2010

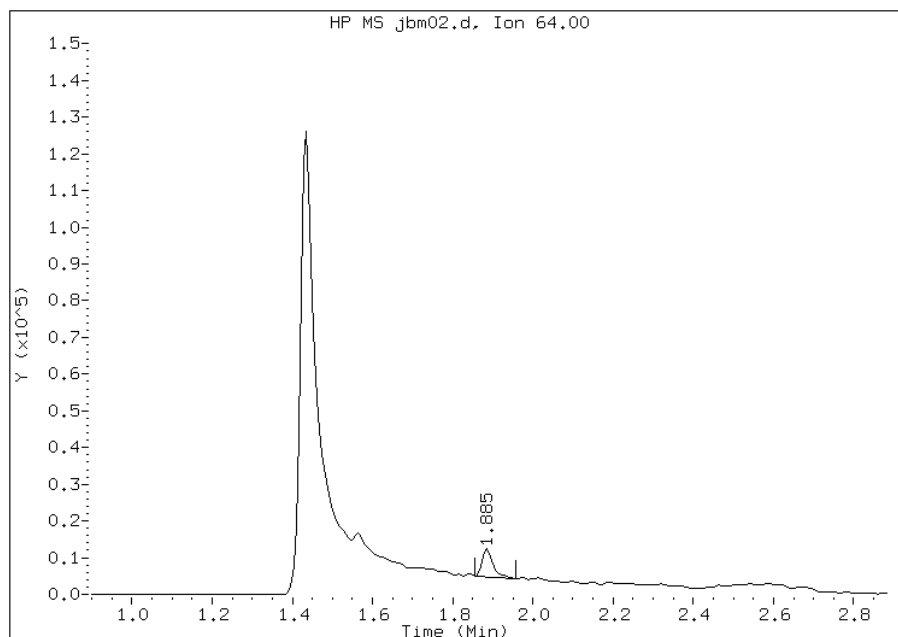
Processing Integration Results

RT: 1.56
Response: 51979
Amount: 26.33
Conc: 26.33



Manual Integration Results

RT: 1.89
Response: 14431
Amount: 10.51
Conc: 10.51



File Uploaded By: jh2
Manual Integration Reason: Analyte misidentified by the data system

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmsmtr.b/jbm03.d
Lab Smp Id: IC Client Smp ID: VSTD001JB
Inj Date : 21-SEP-2010 15:03
Operator : JH2 Inst ID: J.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmsmtr.b/somtr5t.m
Meth Date : 22-Sep-2010 14:42 jh2 Quant Type: ISTD
Cal Date : 21-SEP-2010 15:03 Cal File: jbm03.d
Als bottle: 17 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ng)	(ng)
1 Dichlorodifluoromethane		85	1.350	1.350	(0.241)	77483	25.0000	26
2 Chloromethane		50	1.563	1.563	(0.280)	64174	25.0000	27
\$ 3 Vinyl chloride-d3		65	1.556	1.563	(0.278)	59815	25.0000	28
4 Vinyl chloride		62	1.563	1.563	(0.280)	64677	25.0000	27(Q)
5 Bromomethane		94	1.812	1.812	(0.324)	35305	25.0000	26
\$ 6 Chloroethane-d5		69	1.861	1.861	(0.333)	47548	25.0000	27
7 Chloroethane		64	1.885	1.885	(0.337)	24043	25.0000	19(Q)
8 Trichlorofluoromethane		101	2.074	2.074	(0.371)	97621	25.0000	26
\$ 9 1,1-Dichloroethene-d2		63	2.481	2.481	(0.444)	87320	25.0000	26
10 1,1-Dichloroethene		96	2.487	2.493	(0.445)	46432	25.0000	25
11 1,1,2-Trichloro-1,2,2-trifluo		101	2.487	2.487	(0.445)	53893	25.0000	26
12 Acetone		43	2.536	2.536	(0.454)	25675	250.000	310
13 Carbon disulfide		76	2.682	2.688	(0.480)	132721	25.0000	26
14 Methyl acetate		43	2.816	2.816	(0.504)	7072	25.0000	30
15 Methylene chloride		84	2.907	2.913	(0.520)	33777	25.0000	25

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	3.163	3.163	(0.566)	49756	25.0000	26
17 Methyl tert-butyl ether	73	3.156	3.157	(0.565)	53823	25.0000	26
18 1,1-Dichloroethane	63	3.576	3.576	(0.640)	84490	25.0000	27
\$ 19 2-Butanone-d5	46	4.154	4.148	(0.743)	34745	250.000	270
20 cis-1,2-Dichloroethene	96	4.191	4.191	(0.750)	47246	25.0000	26
21 2-Butanone	43	4.221	4.215	(0.755)	32470	250.000	270
22 Bromochloromethane	128	4.458	4.458	(0.798)	14612	25.0000	26
\$ 23 Chloroform-d	84	4.525	4.525	(0.810)	79607	25.0000	26
24 Chloroform	83	4.543	4.544	(0.813)	81050	25.0000	26
25 1,1,1-Trichloroethane	97	4.738	4.738	(0.528)	83894	25.0000	26
26 Cyclohexane	56	4.793	4.799	(0.534)	81730	25.0000	25
27 Carbon tetrachloride	117	4.921	4.921	(0.548)	75413	25.0000	25
\$ 28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.912)	24838	25.0000	25
\$ 29 Benzene-d6	84	5.109	5.109	(0.569)	177206	25.0000	26
30 Benzene	78	5.158	5.158	(0.575)	194953	25.0000	26
31 1,2-Dichloroethane	62	5.182	5.182	(0.927)	31332	25.0000	25
* 32 1,4-Difluorobenzene	114	5.590	5.596	(1.000)	800226	125.000	
33 Trichloroethene	95	5.882	5.882	(0.656)	51915	25.0000	26
\$ 34 1,2-Dichloropropane-d6	67	6.040	6.034	(0.673)	48178	25.0000	27
35 Methylcyclohexane	55	6.089	6.089	(0.679)	66830	25.0000	26
36 1,2-Dichloropropane	63	6.137	6.138	(0.684)	35850	25.0000	26
37 Bromodichloromethane	83	6.454	6.454	(0.719)	42566	25.0000	26
38 cis-1,3-Dichloropropene	75	6.971	6.971	(0.777)	49250	25.0000	25
39 4-Methyl-2-pentanone	43	7.166	7.166	(0.799)	77851	250.000	260
\$ 40 Toluene-d8	98	7.275	7.275	(0.811)	171719	25.0000	26
41 Toluene	91	7.354	7.354	(0.820)	205849	25.0000	26
\$ 42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)	30424	25.0000	24
43 trans-1,3-Dichloropropene	75	7.628	7.628	(0.850)	34852	25.0000	25
44 1,1,2-Trichloroethane	97	7.841	7.835	(0.874)	18003	25.0000	27
45 Tetrachloroethene	164	7.987	7.987	(0.890)	46172	25.0000	25
\$ 46 2-Hexanone-d5	63	8.090	8.090	(0.902)	30201	250.000	260
47 2-Hexanone	43	8.151	8.145	(0.908)	58636	250.000	270
48 Dibromochloromethane	129	8.291	8.291	(0.924)	21551	25.0000	25
49 1,2-Dibromoethane	107	8.419	8.419	(0.938)	15566	25.0000	25
* 50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	606515	125.000	
51 Chlorobenzene	112	9.003	9.003	(1.003)	123970	25.0000	26
52 Ethylbenzene	91	9.143	9.143	(1.019)	235175	25.0000	25
53 m,p-Xylene	106	9.289	9.289	(1.035)	90007	25.0000	25
54 Styrene	104	9.781	9.782	(1.090)	110150	25.0000	24
55 o-Xylene	106	9.763	9.763	(1.088)	79940	25.0000	25
56 Bromoform	173	9.994	9.994	(0.846)	8735	25.0000	23
57 Isopropylbenzene	105	10.213	10.213	(1.138)	235603	25.0000	25
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.560	10.566	(1.177)	14390	25.0000	26
59 1,1,2,2-Tetrachloroethane	83	10.597	10.597	(1.181)	15082	25.0000	25
60 1,3-Dichlorobenzene	146	11.722	11.722	(0.993)	82349	25.0000	25
* 61 1,4-Dichlorobenzene-d4	152	11.807	11.801	(1.000)	271567	125.000	
62 1,4-Dichlorobenzene	146	11.832	11.832	(1.002)	82977	25.0000	26

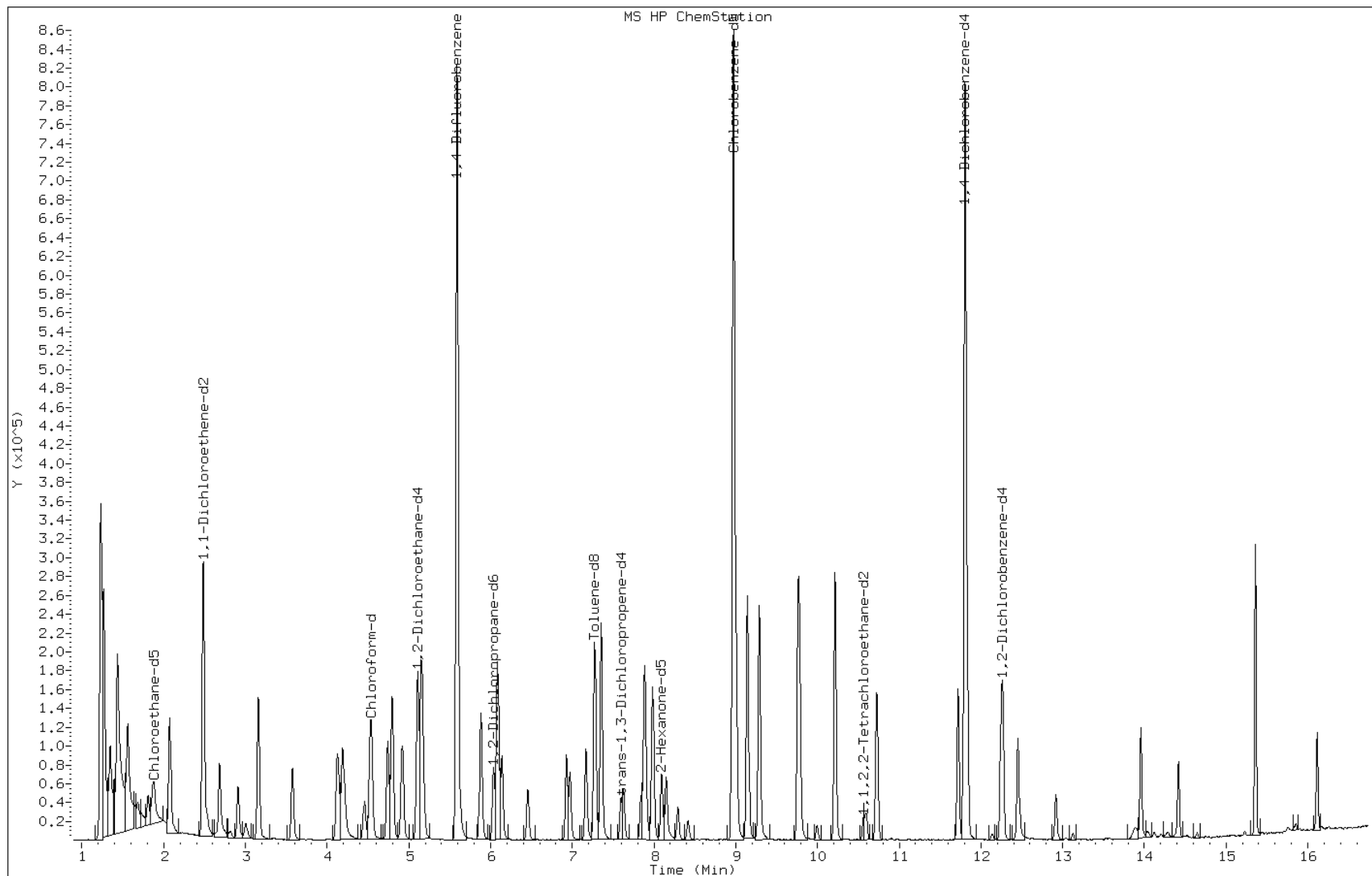
Compounds						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	37892	25.0000	25
64 1,2-Dichlorobenzene	146	12.270	12.270	(1.039)	59747	25.0000	25
65 1,2-Dibromo-3-chloropropane	75	13.127	13.128	(1.112)	1979	25.0000	26
66 1,2,4-Trichlorobenzene	180	13.955	13.955	(1.182)	39081	25.0000	26
67 1,2,3-Trichlorobenzene	180	14.417	14.417	(1.221)	24701	25.0000	26

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: jbm03.d
Client ID: VSTD001JB
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: IC
Lab Sample ID: IC

Date: 21-SEP-2010 15:03
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmsmtr.b/jbm04.d
Lab Smp Id: ICIS Client Smp ID: VSTD005JB
Inj Date : 21-SEP-2010 15:31
Operator : JH2 Inst ID: J.i
Smp Info : ICIS
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmsmtr.b/somtr5t.m
Meth Date : 22-Sep-2010 14:42 jh2 Quant Type: ISTD
Cal Date : 21-SEP-2010 15:31 Cal File: jbm04.d
Als bottle: 18 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

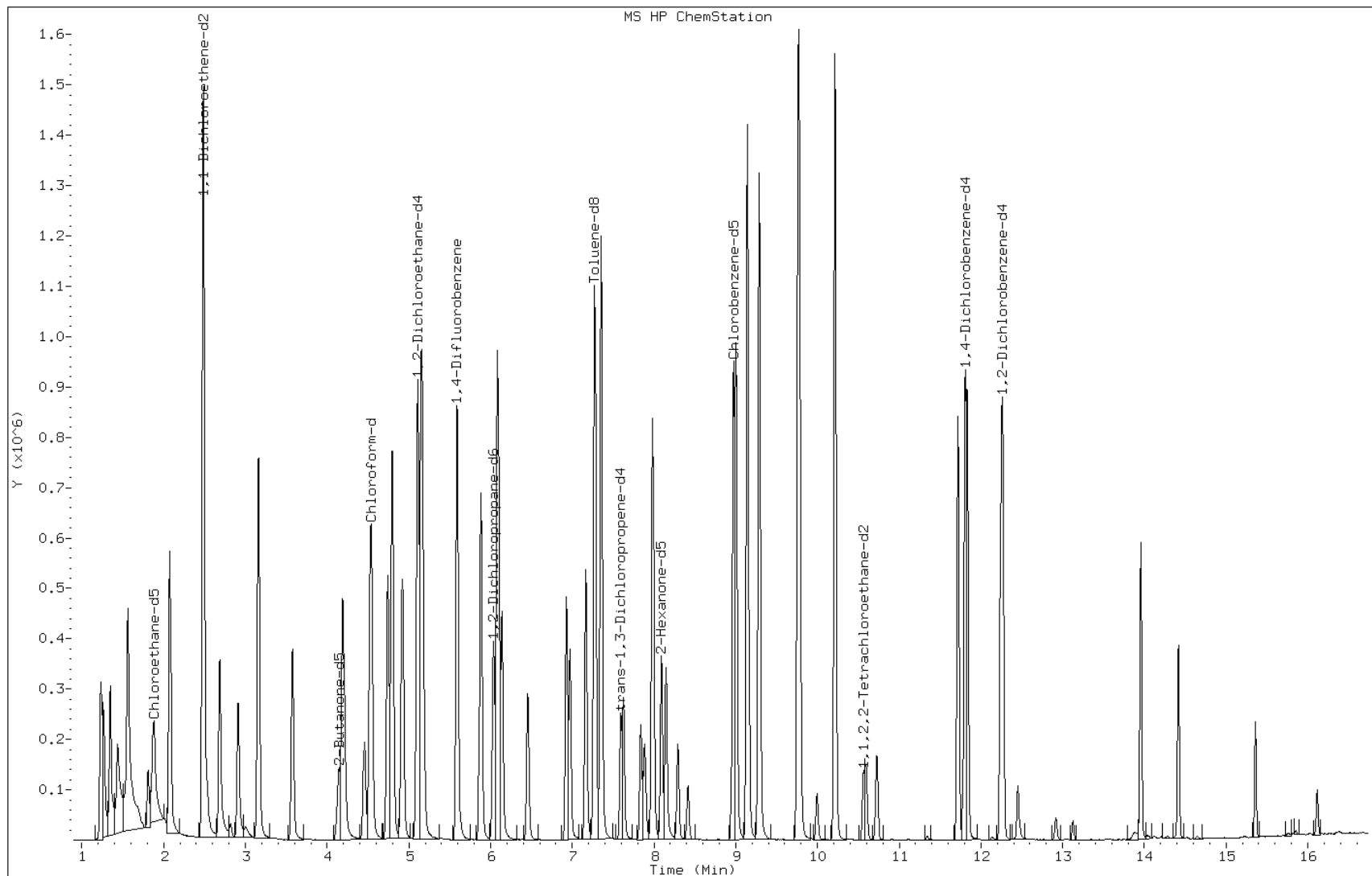
Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85		1.350	1.350	(0.241)	383014	125.000	120
2 Chloromethane	50		1.563	1.563	(0.279)	306597	125.000	120
\$ 3 Vinyl chloride-d3	65		1.563	1.563	(0.279)	275438	125.000	120
4 Vinyl chloride	62		1.563	1.563	(0.279)	314636	125.000	120
5 Bromomethane	94		1.812	1.812	(0.324)	168084	125.000	120
\$ 6 Chloroethane-d5	69		1.861	1.861	(0.332)	232635	125.000	120
7 Chloroethane	64		1.885	1.885	(0.337)	191303	125.000	140
8 Trichlorofluoromethane	101		2.074	2.074	(0.371)	495713	125.000	120
\$ 9 1,1-Dichloroethene-d2	63		2.481	2.481	(0.443)	445549	125.000	120
10 1,1-Dichloroethene	96		2.493	2.493	(0.446)	237339	125.000	120
11 1,1,2-Trichloro-1,2,2-trifluo	101		2.487	2.487	(0.444)	267914	125.000	120
12 Acetone	43		2.536	2.536	(0.453)	89262	1250.00	1000
13 Carbon disulfide	76		2.688	2.688	(0.480)	639717	125.000	120
14 Methyl acetate	43		2.816	2.816	(0.503)	29816	125.000	120
15 Methylene chloride	84		2.913	2.913	(0.521)	182624	125.000	130

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	3.163	3.163	(0.565)	252376	125.000	120
17 Methyl tert-butyl ether	73	3.157	3.157	(0.564)	273148	125.000	120
18 1,1-Dichloroethane	63	3.576	3.576	(0.639)	413752	125.000	120
\$ 19 2-Butanone-d5	46	4.148	4.148	(0.741)	169775	1250.00	1300
20 cis-1,2-Dichloroethene	96	4.191	4.191	(0.749)	242831	125.000	120
21 2-Butanone	43	4.215	4.215	(0.753)	158114	1250.00	1200
22 Bromochloromethane	128	4.458	4.458	(0.797)	73401	125.000	130
\$ 23 Chloroform-d	84	4.525	4.525	(0.809)	400170	125.000	120
24 Chloroform	83	4.544	4.544	(0.812)	396915	125.000	120
25 1,1,1-Trichloroethane	97	4.738	4.738	(0.528)	426471	125.000	120
26 Cyclohexane	56	4.799	4.799	(0.535)	423198	125.000	130
27 Carbon tetrachloride	117	4.921	4.921	(0.548)	388956	125.000	120
\$ 28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.911)	129453	125.000	120
\$ 29 Benzene-d6	84	5.109	5.109	(0.569)	898277	125.000	120
30 Benzene	78	5.158	5.158	(0.575)	996890	125.000	130
31 1,2-Dichloroethane	62	5.182	5.182	(0.926)	161841	125.000	120
* 32 1,4-Difluorobenzene	114	5.596	5.596	(1.000)	849609	125.000	
33 Trichloroethene	95	5.882	5.882	(0.656)	265803	125.000	120
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.034	(0.672)	245544	125.000	130
35 Methylcyclohexane	55	6.089	6.089	(0.679)	342178	125.000	130
36 1,2-Dichloropropane	63	6.138	6.138	(0.684)	183364	125.000	130
37 Bromodichloromethane	83	6.454	6.454	(0.719)	225198	125.000	130
38 cis-1,3-Dichloropropene	75	6.971	6.971	(0.777)	266734	125.000	130
39 4-Methyl-2-pentanone	43	7.166	7.166	(0.799)	403977	1250.00	1300
\$ 40 Toluene-d8	98	7.275	7.275	(0.811)	881684	125.000	120
41 Toluene	91	7.354	7.354	(0.820)	1061076	125.000	130
\$ 42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)	165302	125.000	130
43 trans-1,3-Dichloropropene	75	7.628	7.628	(0.850)	188266	125.000	130
44 1,1,2-Trichloroethane	97	7.835	7.835	(0.873)	92213	125.000	130
45 Tetrachloroethene	164	7.987	7.987	(0.890)	241461	125.000	130
\$ 46 2-Hexanone-d5	63	8.090	8.090	(0.902)	156008	1250.00	1300
47 2-Hexanone	43	8.145	8.145	(0.908)	272146	1250.00	1200
48 Dibromochloromethane	129	8.291	8.291	(0.924)	116648	125.000	130
49 1,2-Dibromoethane	107	8.419	8.419	(0.938)	84485	125.000	130
* 50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	638042	125.000	
51 Chlorobenzene	112	9.003	9.003	(1.003)	622671	125.000	120
52 Ethylbenzene	91	9.143	9.143	(1.019)	1246185	125.000	130
53 m,p-Xylene	106	9.289	9.289	(1.035)	478379	125.000	130
54 Styrene	104	9.782	9.782	(1.090)	615827	125.000	130
55 o-Xylene	106	9.763	9.763	(1.088)	433337	125.000	130
56 Bromoform	173	9.994	9.994	(0.847)	52086	125.000	130
57 Isopropylbenzene	105	10.213	10.213	(1.138)	1274032	125.000	130
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.566	10.566	(1.178)	77266	125.000	130
59 1,1,2,2-Tetrachloroethane	83	10.597	10.597	(1.181)	80696	125.000	130
60 1,3-Dichlorobenzene	146	11.722	11.722	(0.993)	431722	125.000	120
* 61 1,4-Dichlorobenzene-d4	152	11.801	11.801	(1.000)	288538	125.000	
62 1,4-Dichlorobenzene	146	11.832	11.832	(1.003)	420356	125.000	120

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
	(ng)	(ng)	(ng)	(ng)	(ng)	(ng)	(ng)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.038)	195625	125.000	120
64 1,2-Dichlorobenzene	146	12.270	12.270	(1.040)	317173	125.000	130
65 1,2-Dibromo-3-chloropropane	75	13.128	13.128	(1.112)	10405	125.000	130
66 1,2,4-Trichlorobenzene	180	13.955	13.955	(1.182)	197299	125.000	120
67 1,2,3-Trichlorobenzene	180	14.417	14.417	(1.222)	124557	125.000	120

Data File: jbm04.d
Client ID: VSTD005JB
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: ICIS
Lab Sample ID: ICIS

Date: 21-SEP-2010 15:31
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmsmtr.b/jbm05.d
Lab Smp Id: IC Client Smp ID: VSTD010JB
Inj Date : 21-SEP-2010 15:59
Operator : JH2 Inst ID: J.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmsmtr.b/somtr5t.m
Meth Date : 22-Sep-2010 14:42 jh2 Quant Type: ISTD
Cal Date : 21-SEP-2010 15:59 Cal File: jbm05.d
Als bottle: 19 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====		==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85		1.350	1.350	(0.241)	770195	250.000	250
2 Chloromethane	50		1.563	1.563	(0.279)	582992	250.000	230
\$ 3 Vinyl chloride-d3	65		1.563	1.563	(0.279)	557211	250.000	250
4 Vinyl chloride	62		1.563	1.563	(0.279)	621649	250.000	250(Q)
5 Bromomethane	94		1.812	1.812	(0.324)	334652	250.000	240
\$ 6 Chloroethane-d5	69		1.861	1.861	(0.332)	457206	250.000	250
7 Chloroethane	64		1.885	1.885	(0.337)	390237	250.000	290
8 Trichlorofluoromethane	101		2.074	2.074	(0.371)	992566	250.000	250
\$ 9 1,1-Dichloroethene-d2	63		2.481	2.481	(0.443)	890763	250.000	250
10 1,1-Dichloroethene	96		2.493	2.493	(0.446)	481485	250.000	250
11 1,1,2-Trichloro-1,2,2-trifluo	101		2.487	2.487	(0.444)	544330	250.000	250
12 Acetone	43		2.536	2.536	(0.453)	190560	2500.00	2200
13 Carbon disulfide	76		2.688	2.688	(0.480)	1295652	250.000	240
14 Methyl acetate	43		2.816	2.816	(0.503)	59478	250.000	240
15 Methylene chloride	84		2.913	2.913	(0.521)	364065	250.000	260

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ng)	ON -COL (ng)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	3.163	3.163	(0.565)	511266	250.000	250
17 Methyl tert-butyl ether	73	3.156	3.157	(0.564)	558316	250.000	260
18 1,1-Dichloroethane	63	3.576	3.576	(0.639)	841931	250.000	250
\$ 19 2-Butanone-d5	46	4.148	4.148	(0.741)	337816	2500.00	2500
20 cis-1,2-Dichloroethene	96	4.191	4.191	(0.749)	488594	250.000	250
21 2-Butanone	43	4.215	4.215	(0.753)	320098	2500.00	2500
22 Bromochloromethane	128	4.458	4.458	(0.797)	143126	250.000	250
\$ 23 Chloroform-d	84	4.525	4.525	(0.809)	813756	250.000	250
24 Chloroform	83	4.544	4.544	(0.812)	806457	250.000	250
25 1,1,1-Trichloroethane	97	4.738	4.738	(0.528)	867241	250.000	260
26 Cyclohexane	56	4.799	4.799	(0.535)	854823	250.000	260
27 Carbon tetrachloride	117	4.921	4.921	(0.548)	792138	250.000	260
\$ 28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.911)	257029	250.000	250
\$ 29 Benzene-d6	84	5.109	5.109	(0.569)	1817050	250.000	260
30 Benzene	78	5.158	5.158	(0.575)	2013038	250.000	260
31 1,2-Dichloroethane	62	5.182	5.182	(0.926)	336642	250.000	260
* 32 1,4-Difluorobenzene	114	5.596	5.596	(1.000)	838174	125.000	
33 Trichloroethene	95	5.882	5.882	(0.656)	538812	250.000	260
\$ 34 1,2-Dichloropropane-d6	67	6.040	6.034	(0.673)	424284	250.000	230
35 Methylcyclohexane	55	6.089	6.089	(0.679)	678155	250.000	250
36 1,2-Dichloropropane	63	6.137	6.138	(0.684)	378298	250.000	260
37 Bromodichloromethane	83	6.454	6.454	(0.719)	444557	250.000	260
38 cis-1,3-Dichloropropene	75	6.971	6.971	(0.777)	544642	250.000	260
39 4-Methyl-2-pentanone	43	7.166	7.166	(0.799)	833450	2500.00	2700
\$ 40 Toluene-d8	98	7.275	7.275	(0.811)	1807273	250.000	260
41 Toluene	91	7.354	7.354	(0.820)	2142744	250.000	260
\$ 42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)	343847	250.000	270
43 trans-1,3-Dichloropropene	75	7.628	7.628	(0.850)	385681	250.000	270
44 1,1,2-Trichloroethane	97	7.835	7.835	(0.873)	182013	250.000	260
45 Tetrachloroethene	164	7.987	7.987	(0.890)	483195	250.000	260
\$ 46 2-Hexanone-d5	63	8.090	8.090	(0.902)	331029	2500.00	2700
47 2-Hexanone	43	8.145	8.145	(0.908)	555713	2500.00	2400
48 Dibromochloromethane	129	8.291	8.291	(0.924)	230502	250.000	260
49 1,2-Dibromoethane	107	8.419	8.419	(0.938)	169511	250.000	260
* 50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	629421	125.000	
51 Chlorobenzene	112	9.003	9.003	(1.003)	1264544	250.000	250
52 Ethylbenzene	91	9.143	9.143	(1.019)	2539177	250.000	260
53 m,p-Xylene	106	9.289	9.289	(1.035)	984769	250.000	260
54 Styrene	104	9.782	9.782	(1.090)	1297051	250.000	270
55 o-Xylene	106	9.763	9.763	(1.088)	881413	250.000	260
56 Bromoform	173	9.994	9.994	(0.846)	97197	250.000	240
57 Isopropylbenzene	105	10.213	10.213	(1.138)	2605393	250.000	260
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.566	10.566	(1.178)	155106	250.000	270
59 1,1,2,2-Tetrachloroethane	83	10.597	10.597	(1.181)	158839	250.000	260
60 1,3-Dichlorobenzene	146	11.722	11.722	(0.993)	889408	250.000	250
* 61 1,4-Dichlorobenzene-d4	152	11.807	11.801	(1.000)	295129	125.000	
62 1,4-Dichlorobenzene	146	11.832	11.832	(1.002)	866667	250.000	250

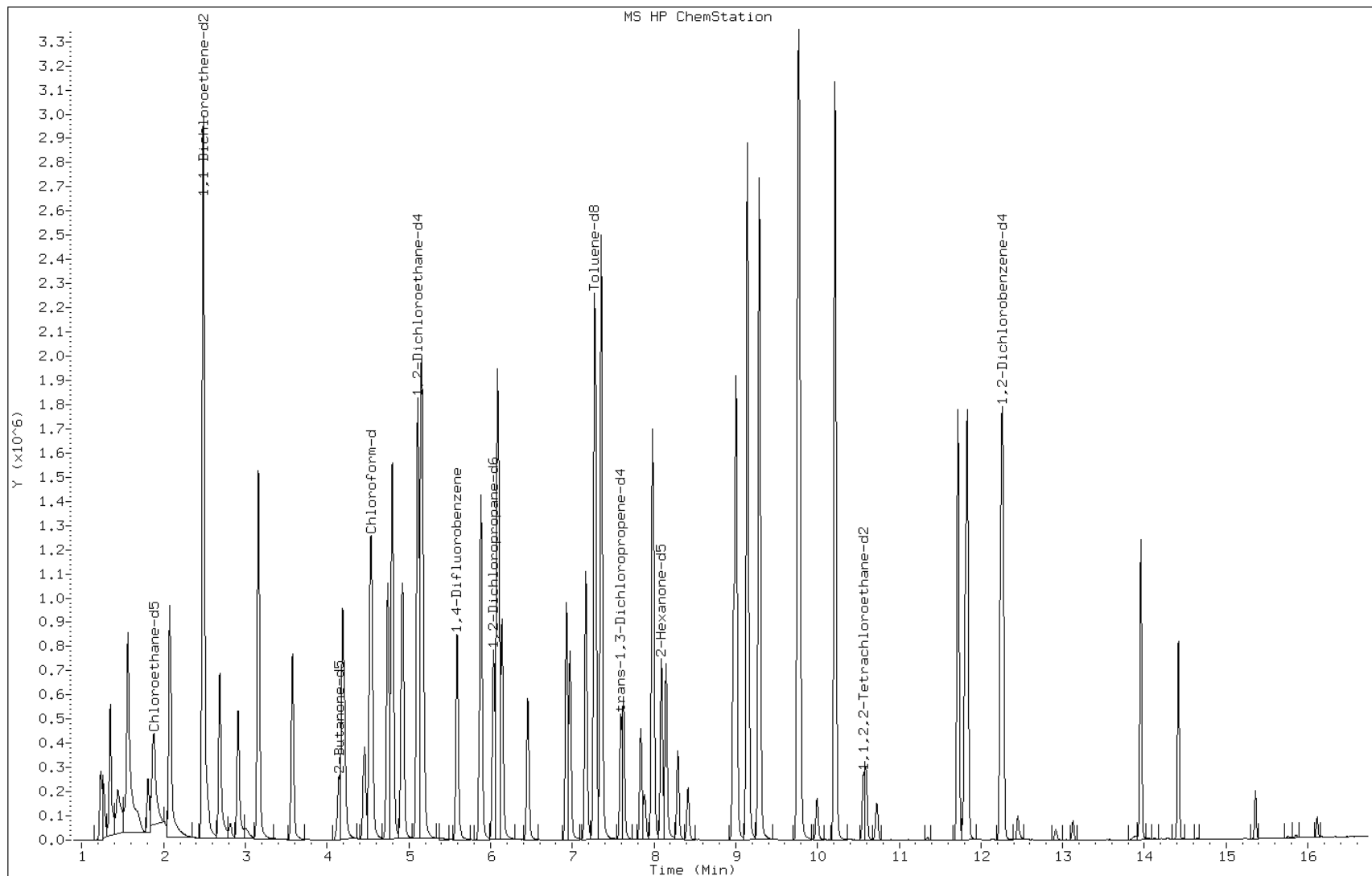
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	407874	250.000	250
64 1,2-Dichlorobenzene	146	12.270	12.270	(1.039)	657704	250.000	260
65 1,2-Dibromo-3-chloropropane	75	13.127	13.128	(1.112)	21003	250.000	250
66 1,2,4-Trichlorobenzene	180	13.955	13.955	(1.182)	420022	250.000	260
67 1,2,3-Trichlorobenzene	180	14.417	14.417	(1.221)	269436	250.000	260

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: jbm05.d
Client ID: VSTD010JB
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: IC
Lab Sample ID: IC

Date: 21-SEP-2010 15:59
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmsmtr.b/jbm08.d
Lab Smp Id: IC Client Smp ID: VSTD020JB
Inj Date : 21-SEP-2010 17:24
Operator : JH2 Inst ID: J.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmsmtr.b/somtr5t.m
Meth Date : 22-Sep-2010 14:42 jh2 Quant Type: ISTD
Cal Date : 21-SEP-2010 17:24 Cal File: jbm08.d
Als bottle: 22 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85		1.350	1.350	(0.241)	1543176	500.000	480
2 Chloromethane	50		1.563	1.563	(0.279)	1144760	500.000	440
\$ 3 Vinyl chloride-d3	65		1.563	1.563	(0.279)	1093865	500.000	470
4 Vinyl chloride	62		1.563	1.563	(0.279)	1226829	500.000	470(Q)
5 Bromomethane	94		1.806	1.812	(0.323)	706975	500.000	480
\$ 6 Chloroethane-d5	69		1.861	1.861	(0.332)	902813	500.000	470
7 Chloroethane	64		1.879	1.885	(0.336)	744279	500.000	540(A)
8 Trichlorofluoromethane	101		2.080	2.074	(0.372)	1965148	500.000	480
\$ 9 1,1-Dichloroethene-d2	63		2.481	2.481	(0.443)	1788322	500.000	480
10 1,1-Dichloroethene	96		2.487	2.493	(0.444)	975814	500.000	490
11 1,1,2-Trichloro-1,2,2-trifluo	101		2.487	2.487	(0.444)	1138619	500.000	500(A)
12 Acetone	43		2.536	2.536	(0.453)	373450	5000.00	4200
13 Carbon disulfide	76		2.688	2.688	(0.480)	2619167	500.000	470
14 Methyl acetate	43		2.816	2.816	(0.503)	121872	500.000	480
15 Methylene chloride	84		2.913	2.913	(0.521)	727791	500.000	490

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ng)	ON -COL (ng)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	3.163	3.163	(0.565)	1035677	500.000	490
17 Methyl tert-butyl ether	73	3.156	3.157	(0.564)	1127259	500.000	500
18 1,1-Dichloroethane	63	3.576	3.576	(0.639)	1679863	500.000	490
\$ 19 2-Butanone-d5	46	4.148	4.148	(0.741)	688587	5000.00	5000
20 cis-1,2-Dichloroethene	96	4.191	4.191	(0.749)	988232	500.000	490
21 2-Butanone	43	4.215	4.215	(0.753)	652819	5000.00	4900
22 Bromochloromethane	128	4.458	4.458	(0.797)	294316	500.000	490
\$ 23 Chloroform-d	84	4.525	4.525	(0.809)	1644913	500.000	490
24 Chloroform	83	4.543	4.544	(0.812)	1632920	500.000	490
25 1,1,1-Trichloroethane	97	4.738	4.738	(0.528)	1736783	500.000	480
26 Cyclohexane	56	4.799	4.799	(0.535)	1719568	500.000	480
27 Carbon tetrachloride	117	4.921	4.921	(0.548)	1619853	500.000	490
\$ 28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.911)	516010	500.000	480
\$ 29 Benzene-d6	84	5.115	5.109	(0.570)	3710666	500.000	490
30 Benzene	78	5.158	5.158	(0.575)	4091881	500.000	490
31 1,2-Dichloroethane	62	5.182	5.182	(0.926)	671411	500.000	500
* 32 1,4-Difluorobenzene	114	5.596	5.596	(1.000)	872488	125.000	
33 Trichloroethene	95	5.882	5.882	(0.656)	1078636	500.000	480
\$ 34 1,2-Dichloropropane-d6	67	6.040	6.034	(0.673)	990372	500.000	490
35 Methylcyclohexane	55	6.089	6.089	(0.679)	1392559	500.000	480
36 1,2-Dichloropropane	63	6.137	6.138	(0.684)	763205	500.000	490
37 Bromodichloromethane	83	6.454	6.454	(0.719)	930505	500.000	500(A)
38 cis-1,3-Dichloropropene	75	6.971	6.971	(0.777)	1134208	500.000	510(A)
39 4-Methyl-2-pentanone	43	7.166	7.166	(0.799)	1665282	5000.00	5000
\$ 40 Toluene-d8	98	7.275	7.275	(0.811)	3714273	500.000	500
41 Toluene	91	7.354	7.354	(0.820)	4449330	500.000	500
\$ 42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)	703120	500.000	510(A)
43 trans-1,3-Dichloropropene	75	7.628	7.628	(0.850)	803298	500.000	520(A)
44 1,1,2-Trichloroethane	97	7.835	7.835	(0.873)	359623	500.000	480
45 Tetrachloroethene	164	7.987	7.987	(0.890)	985242	500.000	490
\$ 46 2-Hexanone-d5	63	8.090	8.090	(0.902)	661598	5000.00	5000(A)
47 2-Hexanone	43	8.145	8.145	(0.908)	1094707	5000.00	4500
48 Dibromochloromethane	129	8.291	8.291	(0.924)	503419	500.000	530(A)
49 1,2-Dibromoethane	107	8.419	8.419	(0.938)	336126	500.000	490
* 50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	675740	125.000	
51 Chlorobenzene	112	9.003	9.003	(1.003)	2604479	500.000	490
52 Ethylbenzene	91	9.143	9.143	(1.019)	5314911	500.000	510(A)
53 m,p-Xylene	106	9.289	9.289	(1.035)	2032767	500.000	500(A)
54 Styrene	104	9.781	9.782	(1.090)	2708817	500.000	530(A)
55 o-Xylene	106	9.763	9.763	(1.088)	1827518	500.000	510(A)
56 Bromoform	173	9.994	9.994	(0.846)	226045	500.000	530(A)
57 Isopropylbenzene	105	10.213	10.213	(1.138)	5443370	500.000	510(A)
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.560	10.566	(1.177)	317215	500.000	510(A)
59 1,1,2,2-Tetrachloroethane	83	10.591	10.597	(1.180)	324381	500.000	490
60 1,3-Dichlorobenzene	146	11.722	11.722	(0.993)	1851924	500.000	490
* 61 1,4-Dichlorobenzene-d4	152	11.807	11.801	(1.000)	312476	125.000	(Q)
62 1,4-Dichlorobenzene	146	11.832	11.832	(1.002)	1777380	500.000	480

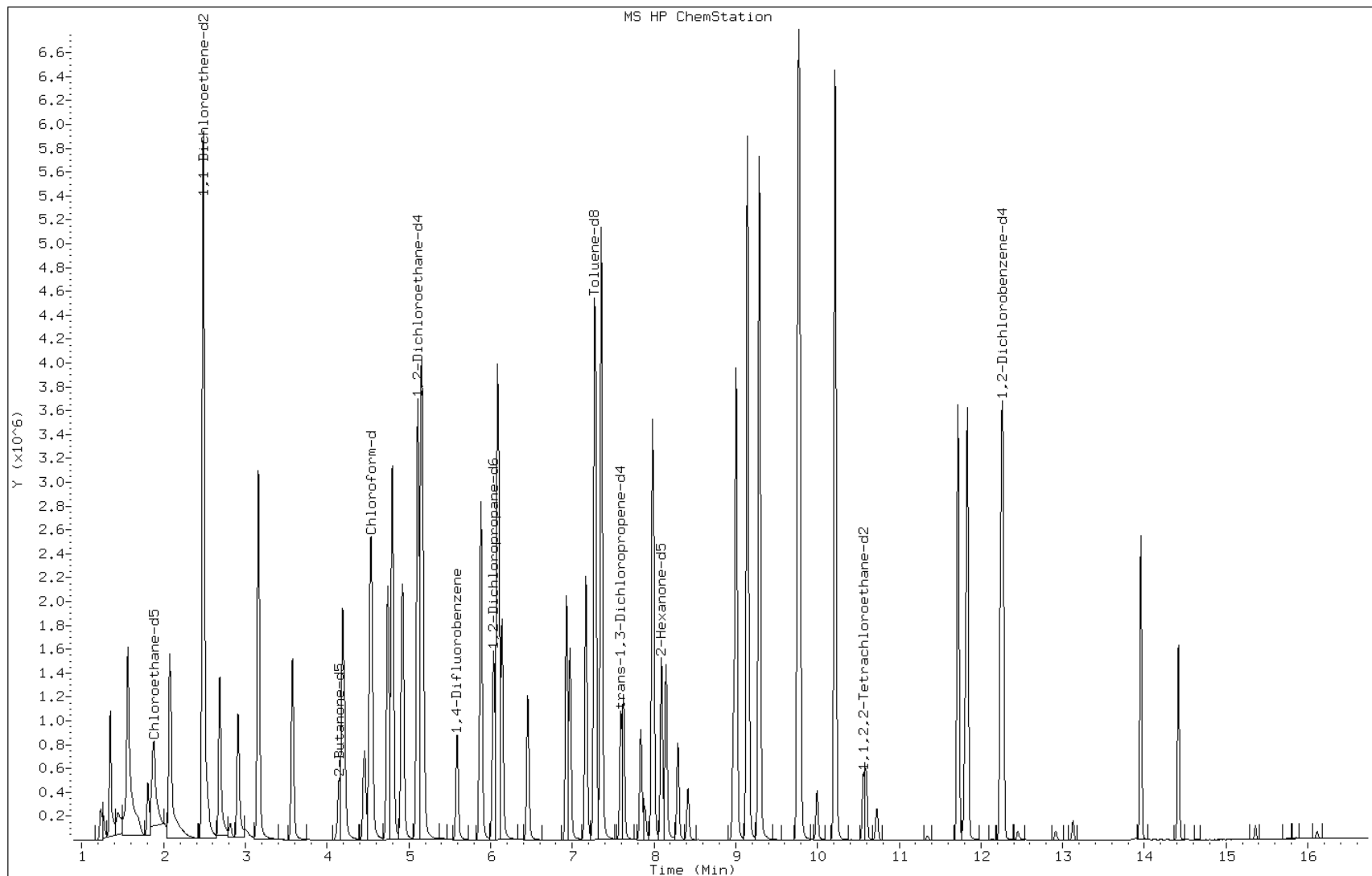
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	844958	500.000	490
64 1,2-Dichlorobenzene	146	12.270	12.270	(1.039)	1347866	500.000	500
65 1,2-Dibromo-3-chloropropane	75	13.127	13.128	(1.112)	42121	500.000	480
66 1,2,4-Trichlorobenzene	180	13.955	13.955	(1.182)	855446	500.000	490
67 1,2,3-Trichlorobenzene	180	14.417	14.417	(1.221)	532819	500.000	480

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.

Data File: jbm08.d
Client ID: VSTD020JB
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: IC
Lab Sample ID: IC

Date: 21-SEP-2010 17:24
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-1636-1

SDG No.: 200-1636-1

Lab Sample ID: CCVIS 200-6993/3 Calibration Date: 09/23/2010 07:06

Instrument ID: J.i Calib Start Date: 09/21/2010 14:35

GC Column: DB-624 ID: 0.20 (mm) Calib End Date: 09/21/2010 17:24

Lab File ID: jbmc03.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	0.4623	0.4634	0.0100	5.00	5.00	0.2	40.0
Chloromethane	Ave	0.3728	0.3436	0.0100	4.60	5.00	-7.8	40.0
Vinyl chloride	Ave	0.3772	0.3704	0.0100	4.90	5.00	-1.8	30.0
Bromomethane	Ave	0.2097	0.2114	0.1000	5.00	5.00	0.8	30.0
Chloroethane	Ave	0.1975	0.2301	0.0100	5.80	5.00	16.5	40.0
Trichlorofluoromethane	Ave	0.5859	0.5959	0.0100	5.10	5.00	1.7	40.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3260	0.3214	0.0100	4.90	5.00	-1.4	40.0
1,1-Dichloroethene	Ave	0.2850	0.2844	0.1000	5.00	5.00	-0.2	30.0
Acetone	Ave	0.0129	0.0108	0.0100	42.0	50.0	-15.9	40.0
Carbon disulfide	Ave	0.7934	0.7726	0.0100	4.90	5.00	-2.6	40.0
Methyl acetate	Ave	0.0365	0.0361	0.0100	4.90	5.00	-1.3	40.0
Methylene chloride	Ave	0.2126	0.2177	0.0100	5.10	5.00	2.4	40.0
Methyl tert-butyl ether	Ave	0.3250	0.3245	0.0100	5.00	5.00	-0.1	40.0
trans-1,2-Dichloroethene	Ave	0.3028	0.2992	0.0100	4.90	5.00	-1.2	40.0
1,1-Dichloroethane	Ave	0.4957	0.4958	0.2000	5.00	5.00	0.0	30.0
cis-1,2-Dichloroethene	Ave	0.2883	0.2914	0.0100	5.10	5.00	1.1	40.0
2-Butanone	Ave	0.0190	0.0182	0.0100	48.0	50.0	-4.3	40.0
Bromochloromethane	Ave	0.0863	0.0858	0.0500	5.00	5.00	-0.6	30.0
Chloroform	Ave	0.4793	0.4794	0.2000	5.00	5.00	0.0	30.0
1,1,1-Trichloroethane	Ave	0.6706	0.6647	0.1000	5.00	5.00	-0.9	30.0
Cyclohexane	Ave	0.6612	0.6512	0.0100	4.90	5.00	-1.5	40.0
Carbon tetrachloride	Ave	0.6098	0.6126	0.1000	5.00	5.00	0.5	30.0
Benzene	Ave	1.555	1.531	0.4000	4.90	5.00	-1.6	30.0
1,2-Dichloroethane	Ave	0.1942	0.1932	0.1000	5.00	5.00	-0.5	30.0
Trichloroethene	Ave	0.4189	0.4094	0.3000	4.90	5.00	-2.2	30.0
Methylcyclohexane	Ave	0.5316	0.5329	0.0100	5.00	5.00	0.2	40.0
1,2-Dichloropropane	Ave	0.2856	0.2939	0.0100	5.10	5.00	2.9	40.0
Bromodichloromethane	Ave	0.3431	0.3419	0.2000	5.00	5.00	-0.4	30.0
cis-1,3-Dichloropropene	Ave	0.4141	0.4202	0.2000	5.10	5.00	1.5	30.0
4-Methyl-2-pentanone	Ave	0.0622	0.0618	0.0100	50.0	50.0	-0.7	40.0
Toluene	Ave	1.663	1.646	0.4000	5.00	5.00	-1.0	30.0
trans-1,3-Dichloropropene	Ave	0.2885	0.2960	0.1000	5.10	5.00	2.6	30.0
1,1,2-Trichloroethane	Ave	0.1375	0.1390	0.1000	5.10	5.00	1.1	30.0
Tetrachloroethene	Ave	0.3751	0.3734	0.1000	5.00	5.00	-0.5	30.0
2-Hexanone	Ave	0.0454	0.0403	0.0100	44.0	50.0	-11.3	40.0
Dibromochloromethane	Ave	0.1766	0.1832	0.1000	5.20	5.00	3.8	30.0
1,2-Dibromoethane	Ave	0.1280	0.1279	0.0100	5.00	5.00	-0.1	40.0
Chlorobenzene	Ave	0.9859	0.9718	0.5000	4.90	5.00	-1.4	30.0
Ethylbenzene	Ave	1.942	1.924	0.1000	5.00	5.00	-0.9	30.0
m,p-Xylene	Ave	0.7460	0.7475	0.3000	5.00	5.00	0.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Lab Sample ID: CCVIS 200-6993/3 Calibration Date: 09/23/2010 07:06
 Instrument ID: J.i Calib Start Date: 09/21/2010 14:35
 GC Column: DB-624 ID: 0.20 (mm) Calib End Date: 09/21/2010 17:24
 Lab File ID: jbmc03.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
o-Xylene	Ave	0.6674	0.6627	0.3000	5.00	5.00	-0.7	30.0
Styrene	Ave	0.9498	0.9242	0.3000	4.90	5.00	-2.7	30.0
Bromoform	Ave	0.1722	0.1722	0.0500	5.00	5.00	0.0	30.0
Isopropylbenzene	Ave	1.974	1.949	0.0100	4.90	5.00	-1.3	40.0
1,1,2,2-Tetrachloroethane	Ave	0.1222	0.1223	0.1000	5.00	5.00	0.0	30.0
1,3-Dichlorobenzene	Ave	1.500	1.525	0.4000	5.10	5.00	1.7	30.0
1,4-Dichlorobenzene	Ave	1.476	1.452	0.4000	4.90	5.00	-1.6	30.0
1,2-Dichlorobenzene	Ave	1.086	1.115	0.4000	5.10	5.00	2.6	30.0
1,2-Dibromo-3-chloropropane	Ave	0.0354	0.0338	0.0100	4.80	5.00	-4.4	40.0
1,2,4-Trichlorobenzene	Ave	0.6947	0.6741	0.2000	4.90	5.00	-3.0	30.0
1,2,3-Trichlorobenzene	Ave	0.4396	0.4232	0.2000	4.80	5.00	-3.7	30.0
Vinyl chloride-d3	Ave	0.3346	0.3328	0.0100	5.00	5.00	-0.5	30.0
Chloroethane-d5	Ave	0.2742	0.2673	0.0100	4.90	5.00	-2.5	40.0
1,1-Dichloroethene-d2	Ave	0.5296	0.5180	0.0100	4.90	5.00	-2.2	30.0
2-Butanone-d5	Ave	0.0198	0.0193	0.0100	49.0	50.0	-2.5	40.0
Chloroform-d	Ave	0.4798	0.4760	0.0100	5.00	5.00	-0.8	30.0
1,2-Dichloroethane-d4	Ave	0.1534	0.1509	0.0100	4.90	5.00	-1.6	30.0
Benzene-d6	Ave	1.410	1.408	0.0100	5.00	5.00	-0.1	30.0
1,2-Dichloropropane-d6	Ave	0.3718	0.3804	0.0100	5.10	5.00	2.3	40.0
Toluene-d8	Ave	1.386	1.365	0.0100	4.90	5.00	-1.5	30.0
trans-1,3-Dichloropropene-d4	Ave	0.2568	0.2590	0.0100	5.00	5.00	0.8	30.0
2-Hexanone-d5	Ave	0.0243	0.0235	0.0100	48.0	50.0	-3.6	40.0
1,1,2,2-Tetrachloroethane-d2	Ave	0.1160	0.1235	0.0100	5.30	5.00	6.5	30.0
1,2-Dichlorobenzene-d4	Ave	0.6897	0.6969	0.0100	5.10	5.00	1.0	30.0

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmcsmtr.b/jbmc03.d
Lab Smp Id: CCVIS Client Smp ID: VSTD005JE
Inj Date : 23-SEP-2010 07:06
Operator : JH2 Inst ID: J.i
Smp Info : CCVIS
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmcsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 13:23 cmp Quant Type: ISTD
Cal Date : 21-SEP-2010 17:24 Cal File: jbm08.d
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

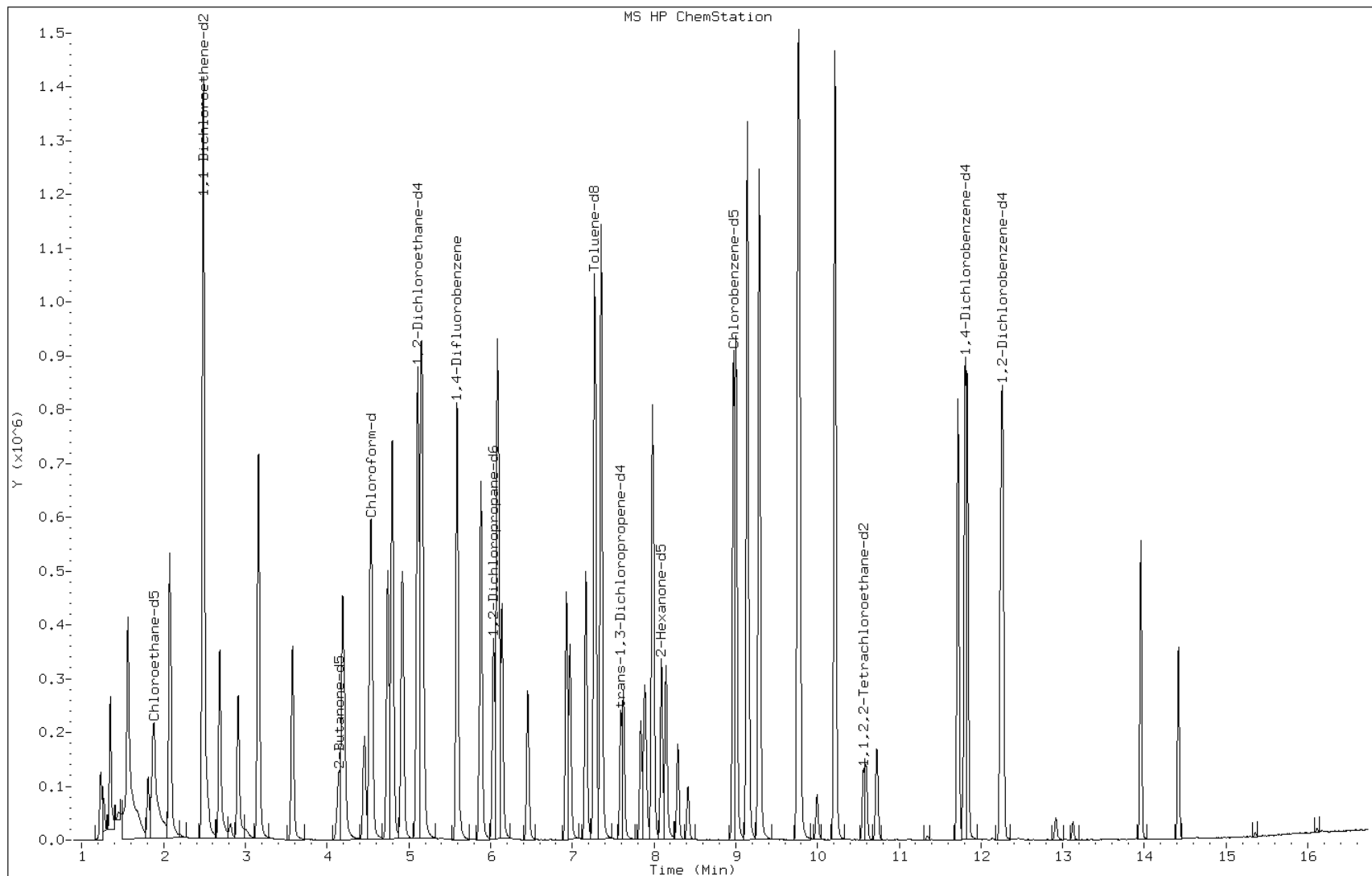
Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85		1.349	1.349 (0.241)		373383	125.000	130
2 Chloromethane	50		1.562	1.562 (0.280)		276813	125.000	120
\$ 3 Vinyl chloride-d3	65		1.562	1.562 (0.280)		268156	125.000	120
4 Vinyl chloride	62		1.562	1.562 (0.280)		298453	125.000	120
5 Bromomethane	94		1.812	1.812 (0.324)		170303	125.000	130
\$ 6 Chloroethane-d5	69		1.861	1.861 (0.333)		215365	125.000	120
7 Chloroethane	64		1.885	1.885 (0.337)		185359	125.000	150
8 Trichlorofluoromethane	101		2.073	2.073 (0.371)		480131	125.000	130
\$ 9 1,1-Dichloroethene-d2	63		2.481	2.481 (0.444)		417306	125.000	120
10 1,1-Dichloroethene	96		2.493	2.493 (0.446)		229162	125.000	120
11 1,1,2-Trichloro-1,2,2-trifluo	101		2.487	2.487 (0.445)		258952	125.000	120
12 Acetone	43		2.536	2.536 (0.454)		87301	1250.00	1100
13 Carbon disulfide	76		2.688	2.688 (0.481)		622481	125.000	120
14 Methyl acetate	43		2.816	2.816 (0.504)		29076	125.000	120
15 Methylene chloride	84		2.913	2.913 (0.521)		175363	125.000	130

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	3.162	3.162	(0.566)	241028	125.000	120
17 Methyl tert-butyl ether	73	3.156	3.156	(0.565)	261464	125.000	120
18 1,1-Dichloroethane	63	3.576	3.576	(0.640)	399433	125.000	130
\$ 19 2-Butanone-d5	46	4.148	4.148	(0.742)	155565	1250.00	1200
20 cis-1,2-Dichloroethene	96	4.191	4.191	(0.750)	234771	125.000	130
21 2-Butanone	43	4.215	4.215	(0.754)	146496	1250.00	1200
22 Bromochloromethane	128	4.458	4.458	(0.798)	69095	125.000	120
\$ 23 Chloroform-d	84	4.525	4.525	(0.810)	383498	125.000	120
24 Chloroform	83	4.543	4.543	(0.813)	386237	125.000	130
25 1,1,1-Trichloroethane	97	4.738	4.738	(0.528)	410495	125.000	120
26 Cyclohexane	56	4.799	4.799	(0.535)	402147	125.000	120
27 Carbon tetrachloride	117	4.921	4.921	(0.548)	378304	125.000	130
\$ 28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.912)	121544	125.000	120
\$ 29 Benzene-d6	84	5.109	5.109	(0.569)	869590	125.000	120
30 Benzene	78	5.152	5.152	(0.574)	945240	125.000	120
31 1,2-Dichloroethane	62	5.182	5.182	(0.927)	155675	125.000	120
* 32 1,4-Difluorobenzene	114	5.590	5.590	(1.000)	805675	125.000	
33 Trichloroethene	95	5.882	5.882	(0.656)	252850	125.000	120
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.034	(0.672)	234935	125.000	130
35 Methylcyclohexane	55	6.089	6.089	(0.679)	329111	125.000	130
36 1,2-Dichloropropane	63	6.137	6.137	(0.684)	181468	125.000	130
37 Bromodichloromethane	83	6.454	6.454	(0.719)	211144	125.000	120
38 cis-1,3-Dichloropropene	75	6.971	6.971	(0.777)	259475	125.000	130
39 4-Methyl-2-pentanone	43	7.165	7.165	(0.799)	381389	1250.00	1200
\$ 40 Toluene-d8	98	7.275	7.275	(0.811)	842825	125.000	120
41 Toluene	91	7.354	7.354	(0.820)	1016716	125.000	120
\$ 42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)	159930	125.000	130
43 trans-1,3-Dichloropropene	75	7.628	7.628	(0.850)	182814	125.000	130
44 1,1,2-Trichloroethane	97	7.835	7.835	(0.873)	85829	125.000	130
45 Tetrachloroethene	164	7.987	7.987	(0.890)	230561	125.000	120
\$ 46 2-Hexanone-d5	63	8.090	8.090	(0.902)	144806	1250.00	1200
47 2-Hexanone	43	8.145	8.145	(0.908)	248656	1250.00	1100
48 Dibromochloromethane	129	8.291	8.291	(0.924)	113153	125.000	130
49 1,2-Dibromoethane	107	8.419	8.419	(0.938)	78953	125.000	120
* 50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	617545	125.000	
51 Chlorobenzene	112	9.003	9.003	(1.003)	600116	125.000	120
52 Ethylbenzene	91	9.143	9.143	(1.019)	1188385	125.000	120
53 m,p-Xylene	106	9.289	9.289	(1.035)	461634	125.000	130
54 Styrene	104	9.781	9.781	(1.090)	570753	125.000	120
55 o-Xylene	106	9.763	9.763	(1.088)	409260	125.000	120
56 Bromoform	173	9.994	9.994	(0.847)	47518	125.000	130
57 Isopropylbenzene	105	10.213	10.213	(1.138)	1203650	125.000	120
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.560	10.560	(1.177)	76293	125.000	130
59 1,1,2,2-Tetrachloroethane	83	10.597	10.597	(1.181)	75534	125.000	130
60 1,3-Dichlorobenzene	146	11.722	11.722	(0.993)	420796	125.000	130
* 61 1,4-Dichlorobenzene-d4	152	11.801	11.801	(1.000)	275952	125.000	
62 1,4-Dichlorobenzene	146	11.832	11.832	(1.003)	400804	125.000	120

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
						(ng)	(ng)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.038)	192307	125.000	130
64 1,2-Dichlorobenzene	146	12.270	12.270	(1.040)	307616	125.000	130
65 1,2-Dibromo-3-chloropropane	75	13.127	13.127	(1.112)	9327	125.000	120
66 1,2,4-Trichlorobenzene	180	13.955	13.955	(1.182)	186005	125.000	120
67 1,2,3-Trichlorobenzene	180	14.417	14.417	(1.222)	116768	125.000	120

Data File: jbm03.d
Client ID: VSTD005JE
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: CCVIS
Lab Sample ID: CCVIS

Date: 23-SEP-2010 07:06
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Lab Sample ID: CCVC 200-6993/19 Calibration Date: 09/23/2010 14:48
 Instrument ID: J.i Calib Start Date: 09/21/2010 14:35
 GC Column: DB-624 ID: 0.20 (mm) Calib End Date: 09/21/2010 17:24
 Lab File ID: jbmc19.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	0.4623	0.4741	0.0100	5.10	5.00	2.5	50.0
Vinyl chloride	Ave	0.3772	0.3867	0.0100	5.10	5.00	2.5	50.0
Chloromethane	Ave	0.3728	0.3531	0.0100	4.70	5.00	-5.3	50.0
Bromomethane	Ave	0.2097	0.2070	0.0100	4.90	5.00	-1.3	50.0
Chloroethane	Ave	0.1975	0.2119	0.0100	5.40	5.00	7.3	50.0
Trichlorofluoromethane	Ave	0.5859	0.6117	0.0100	5.20	5.00	4.4	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3260	0.3274	0.0100	5.00	5.00	0.4	50.0
1,1-Dichloroethene	Ave	0.2850	0.2869	0.0100	5.00	5.00	0.7	50.0
Acetone	Ave	0.0129	0.0128	0.0100	50.0	50.0	-0.4	50.0
Carbon disulfide	Ave	0.7934	0.7913	0.0100	5.00	5.00	-0.3	50.0
Methyl acetate	Ave	0.0365	0.0388	0.0100	5.30	5.00	6.2	50.0
Methylene chloride	Ave	0.2126	0.2144	0.0100	5.00	5.00	0.8	50.0
Methyl tert-butyl ether	Ave	0.3250	0.3334	0.0100	5.10	5.00	2.6	50.0
trans-1,2-Dichloroethene	Ave	0.3028	0.3175	0.0100	5.20	5.00	4.8	50.0
1,1-Dichloroethane	Ave	0.4957	0.5113	0.0100	5.20	5.00	3.1	50.0
cis-1,2-Dichloroethene	Ave	0.2883	0.2996	0.0100	5.20	5.00	3.9	50.0
2-Butanone	Ave	0.0190	0.0191	0.0100	50.0	50.0	0.3	50.0
Bromochloromethane	Ave	0.0863	0.0894	0.0100	5.20	5.00	3.6	50.0
Chloroform	Ave	0.4793	0.4980	0.0100	5.20	5.00	3.9	50.0
1,1,1-Trichloroethane	Ave	0.6706	0.6802	0.0100	5.10	5.00	1.4	50.0
Cyclohexane	Ave	0.6612	0.6740	0.0100	5.10	5.00	1.9	50.0
Carbon tetrachloride	Ave	0.6098	0.6167	0.0100	5.10	5.00	1.1	50.0
Benzene	Ave	1.555	1.589	0.0100	5.10	5.00	2.2	50.0
1,2-Dichloroethane	Ave	0.1942	0.2035	0.0100	5.20	5.00	4.8	50.0
Trichloroethene	Ave	0.4189	0.4230	0.0100	5.00	5.00	1.0	50.0
Methylcyclohexane	Ave	0.5316	0.5439	0.0100	5.10	5.00	2.3	50.0
1,2-Dichloropropane	Ave	0.2856	0.3008	0.0100	5.30	5.00	5.3	50.0
Bromodichloromethane	Ave	0.3431	0.3599	0.0100	5.20	5.00	4.9	50.0
cis-1,3-Dichloropropene	Ave	0.4141	0.4191	0.0100	5.10	5.00	1.2	50.0
4-Methyl-2-pentanone	Ave	0.0622	0.0638	0.0100	51.0	50.0	2.6	50.0
Toluene	Ave	1.663	1.695	0.0100	5.10	5.00	1.9	50.0
trans-1,3-Dichloropropene	Ave	0.2885	0.3003	0.0100	5.20	5.00	4.1	50.0
1,1,2-Trichloroethane	Ave	0.1375	0.1471	0.0100	5.30	5.00	6.9	50.0
Tetrachloroethene	Ave	0.3751	0.3821	0.0100	5.10	5.00	1.9	50.0
2-Hexanone	Ave	0.0454	0.0423	0.0100	47.0	50.0	-7.0	50.0
Dibromochloromethane	Ave	0.1766	0.1878	0.0100	5.30	5.00	6.3	50.0
1,2-Dibromoethane	Ave	0.1280	0.1319	0.0100	5.20	5.00	3.0	50.0
Chlorobenzene	Ave	0.9859	1.006	0.0100	5.10	5.00	2.0	50.0
Ethylbenzene	Ave	1.942	1.992	0.0100	5.10	5.00	2.5	50.0
m,p-Xylene	Ave	0.7460	0.7767	0.0100	5.20	5.00	4.1	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Lab Sample ID: CCVC 200-6993/19 Calibration Date: 09/23/2010 14:48
 Instrument ID: J.i Calib Start Date: 09/21/2010 14:35
 GC Column: DB-624 ID: 0.20 (mm) Calib End Date: 09/21/2010 17:24
 Lab File ID: jbmc19.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
o-Xylene	Ave	0.6674	0.6950	0.0100	5.20	5.00	4.1	50.0
Styrene	Ave	0.9498	0.9817	0.0100	5.20	5.00	3.4	50.0
Bromoform	Ave	0.1722	0.1794	0.0100	5.20	5.00	4.2	50.0
Isopropylbenzene	Ave	1.974	2.018	0.0100	5.10	5.00	2.2	50.0
1,1,2,2-Tetrachloroethane	Ave	0.1222	0.1269	0.0100	5.20	5.00	3.8	50.0
1,3-Dichlorobenzene	Ave	1.500	1.539	0.0100	5.10	5.00	2.6	50.0
1,4-Dichlorobenzene	Ave	1.476	1.496	0.0100	5.10	5.00	1.3	50.0
1,2-Dichlorobenzene	Ave	1.086	1.133	0.0100	5.20	5.00	4.3	50.0
1,2-Dibromo-3-chloropropane	Ave	0.0354	0.0334	0.0100	4.70	5.00	-5.5	50.0
1,2,4-Trichlorobenzene	Ave	0.6947	0.6691	0.0100	4.80	5.00	-3.7	50.0
1,2,3-Trichlorobenzene	Ave	0.4396	0.4236	0.0100	4.80	5.00	-3.6	50.0
Vinyl chloride-d3	Ave	0.3346	0.3416	0.0100	5.10	5.00	2.1	50.0
Chloroethane-d5	Ave	0.2742	0.2822	0.0100	5.10	5.00	2.9	50.0
1,1-Dichloroethene-d2	Ave	0.5296	0.5361	0.0100	5.10	5.00	1.2	50.0
2-Butanone-d5	Ave	0.0198	0.0208	0.0100	53.0	50.0	5.3	50.0
Chloroform-d	Ave	0.4798	0.5103	0.0100	5.30	5.00	6.4	50.0
1,2-Dichloroethane-d4	Ave	0.1534	0.1593	0.0100	5.20	5.00	3.8	50.0
Benzene-d6	Ave	1.410	1.438	0.0100	5.10	5.00	2.0	50.0
1,2-Dichloropropane-d6	Ave	0.3718	0.3925	0.0100	5.30	5.00	5.6	50.0
Toluene-d8	Ave	1.386	1.419	0.0100	5.10	5.00	2.4	50.0
trans-1,3-Dichloropropene-d4	Ave	0.2568	0.2658	0.0100	5.20	5.00	3.5	50.0
2-Hexanone-d5	Ave	0.0243	0.0256	0.0100	53.0	50.0	5.1	50.0
1,1,2,2-Tetrachloroethane-d2	Ave	0.1160	0.1261	0.0100	5.40	5.00	8.7	50.0
1,2-Dichlorobenzene-d4	Ave	0.6897	0.7104	0.0100	5.20	5.00	3.0	50.0

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmcsmtr.b/jbmc19.d
Lab Smp Id: CCVC Client Smp ID: VSTD005EJ
Inj Date : 23-SEP-2010 14:48
Operator : JH2 Inst ID: J.i
Smp Info : CCVC
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmcsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 13:24 cmp Quant Type: ISTD
Cal Date : 21-SEP-2010 17:24 Cal File: jbm08.d
Als bottle: 33 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85		1.350	1.349	(0.241)	363405	125.000	130
2 Chloromethane	50		1.569	1.562	(0.280)	270700	125.000	120
\$ 3 Vinyl chloride-d3	65		1.557	1.562	(0.278)	261810	125.000	130
4 Vinyl chloride	62		1.563	1.562	(0.279)	296417	125.000	130
5 Bromomethane	94		1.812	1.812	(0.324)	158644	125.000	120(M)
\$ 6 Chloroethane-d5	69		1.861	1.861	(0.332)	216331	125.000	130
7 Chloroethane	64		1.885	1.885	(0.337)	162464	125.000	130(M)
8 Trichlorofluoromethane	101		2.074	2.073	(0.371)	468925	125.000	130
\$ 9 1,1-Dichloroethene-d2	63		2.481	2.481	(0.443)	410959	125.000	130
10 1,1-Dichloroethene	96		2.493	2.493	(0.446)	219904	125.000	130
11 1,1,2-Trichloro-1,2,2-trifluo	101		2.487	2.487	(0.444)	250960	125.000	130
12 Acetone	43		2.536	2.536	(0.453)	98369	1250.00	1200
13 Carbon disulfide	76		2.688	2.688	(0.480)	606577	125.000	120
14 Methyl acetate	43		2.816	2.816	(0.503)	29752	125.000	130
15 Methylene chloride	84		2.913	2.913	(0.521)	164320	125.000	130

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	3.163	3.162	(0.565)	243359	125.000	130
17 Methyl tert-butyl ether	73	3.157	3.156	(0.564)	255585	125.000	130
18 1,1-Dichloroethane	63	3.576	3.576	(0.639)	391942	125.000	130
\$ 19 2-Butanone-d5	46	4.148	4.148	(0.741)	159766	1250.00	1300
20 cis-1,2-Dichloroethene	96	4.191	4.191	(0.749)	229619	125.000	130
21 2-Butanone	43	4.215	4.215	(0.753)	146067	1250.00	1300
22 Bromochloromethane	128	4.458	4.458	(0.797)	68558	125.000	130
\$ 23 Chloroform-d	84	4.525	4.525	(0.809)	391175	125.000	130
24 Chloroform	83	4.544	4.543	(0.812)	381754	125.000	130
25 1,1,1-Trichloroethane	97	4.738	4.738	(0.528)	401730	125.000	130
26 Cyclohexane	56	4.799	4.799	(0.535)	398070	125.000	130
27 Carbon tetrachloride	117	4.921	4.921	(0.548)	364204	125.000	130
\$ 28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.911)	122075	125.000	130
\$ 29 Benzene-d6	84	5.109	5.109	(0.569)	849582	125.000	130
30 Benzene	78	5.158	5.152	(0.575)	938275	125.000	130
31 1,2-Dichloroethane	62	5.182	5.182	(0.926)	155978	125.000	130
* 32 1,4-Difluorobenzene	114	5.596	5.590	(1.000)	766546	125.000	
33 Trichloroethene	95	5.882	5.882	(0.656)	249815	125.000	130
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.034	(0.672)	231792	125.000	130
35 Methylcyclohexane	55	6.089	6.089	(0.679)	321252	125.000	130
36 1,2-Dichloropropane	63	6.137	6.137	(0.684)	177656	125.000	130
37 Bromodichloromethane	83	6.454	6.454	(0.719)	212581	125.000	130
38 cis-1,3-Dichloropropene	75	6.971	6.971	(0.777)	247538	125.000	130
39 4-Methyl-2-pentanone	43	7.166	7.165	(0.799)	376923	1250.00	1300
\$ 40 Toluene-d8	98	7.275	7.275	(0.811)	838019	125.000	130
41 Toluene	91	7.354	7.354	(0.820)	1000975	125.000	130
\$ 42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)	156979	125.000	130
43 trans-1,3-Dichloropropene	75	7.628	7.628	(0.850)	177376	125.000	130
44 1,1,2-Trichloroethane	97	7.835	7.835	(0.873)	86866	125.000	130
45 Tetrachloroethene	164	7.987	7.987	(0.890)	225652	125.000	130
\$ 46 2-Hexanone-d5	63	8.090	8.090	(0.902)	151004	1250.00	1300
47 2-Hexanone	43	8.151	8.145	(0.908)	249563	1250.00	1200
48 Dibromochloromethane	129	8.291	8.291	(0.924)	110905	125.000	130
49 1,2-Dibromoethane	107	8.419	8.419	(0.938)	77871	125.000	130
* 50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	590605	125.000	
51 Chlorobenzene	112	9.003	9.003	(1.003)	593985	125.000	130
52 Ethylbenzene	91	9.143	9.143	(1.019)	1176251	125.000	130
53 m,p-Xylene	106	9.289	9.289	(1.035)	458714	125.000	130
54 Styrene	104	9.782	9.781	(1.090)	579798	125.000	130
55 o-Xylene	106	9.763	9.763	(1.088)	410451	125.000	130
56 Bromoform	173	9.994	9.994	(0.846)	47690	125.000	130
57 Isopropylbenzene	105	10.213	10.213	(1.138)	1191644	125.000	130
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.566	10.560	(1.178)	74500	125.000	140
59 1,1,2,2-Tetrachloroethane	83	10.591	10.597	(1.180)	74920	125.000	130
60 1,3-Dichlorobenzene	146	11.722	11.722	(0.993)	409119	125.000	130
* 61 1,4-Dichlorobenzene-d4	152	11.807	11.801	(1.000)	265793	125.000	
62 1,4-Dichlorobenzene	146	11.832	11.832	(1.002)	397636	125.000	130

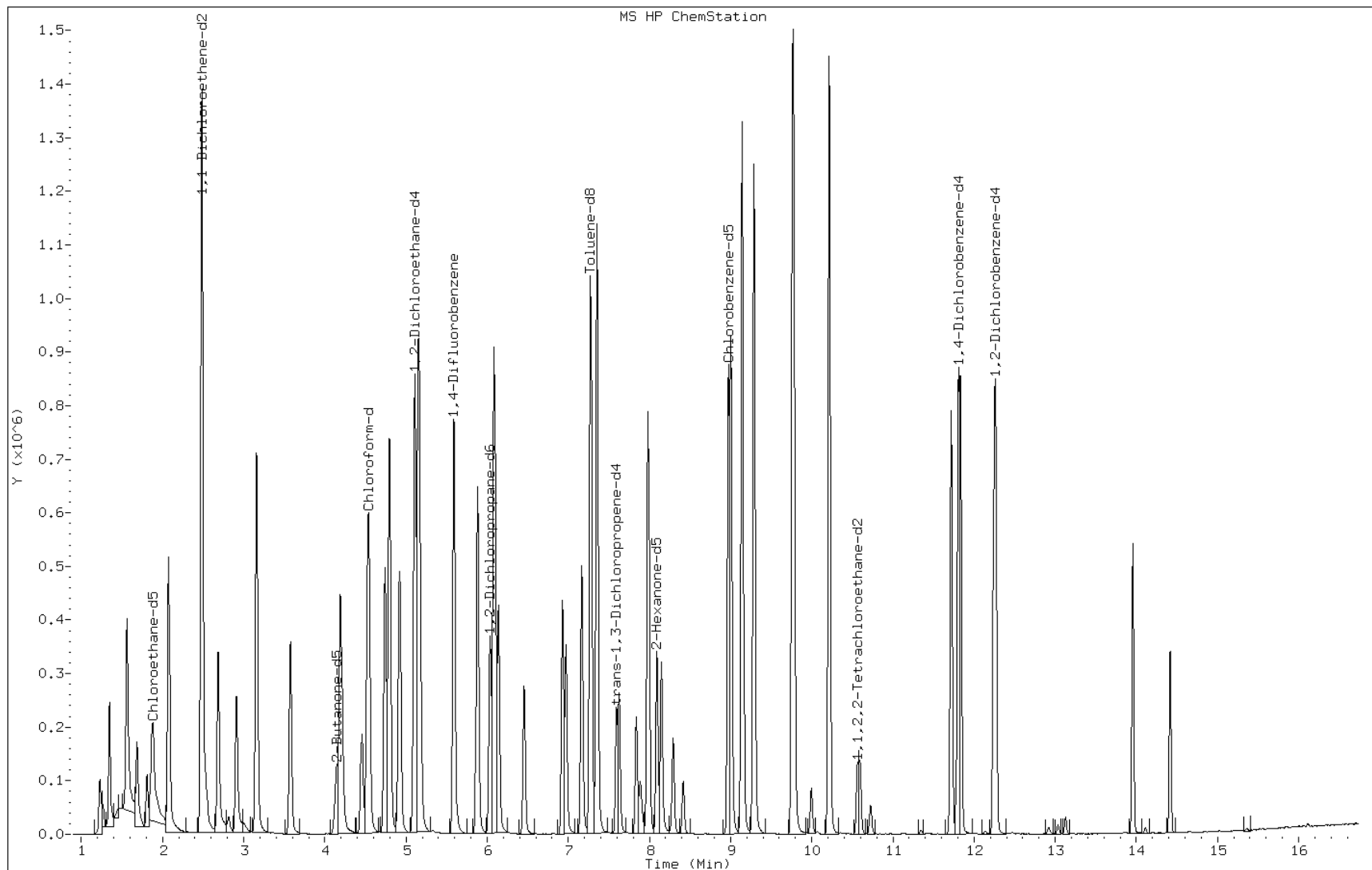
						AMOUNTS	
Compounds		QUANT SIG				CAL-AMT	ON-COL
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)
=====		====	==	=====	=====	=====	=====
\$ 63	1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	188821	125.000
64	1,2-Dichlorobenzene	146	12.270	12.270	(1.039)	301064	125.000
65	1,2-Dibromo-3-chloropropane	75	13.127	13.127	(1.112)	8880	125.000
66	1,2,4-Trichlorobenzene	180	13.955	13.955	(1.182)	177837	125.000
67	1,2,3-Trichlorobenzene	180	14.417	14.417	(1.221)	112594	125.000

QC Flag Legend

M - Compound response manually integrated.

Data File: jbm19.d
Client ID: VSTD005EJ
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: CCVC
Lab Sample ID: CCVC

Date: 23-SEP-2010 14:48
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20

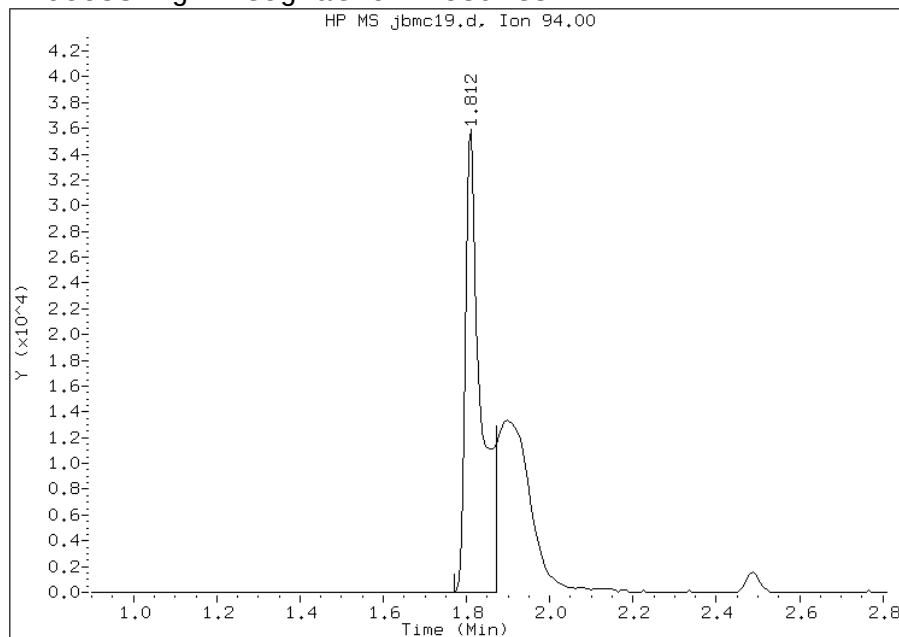


Manual Integration Report

Data File: jbmcl9.d
Lab Sample ID: CCVC
Inj. Date and Time: 23-SEP-2010 14:48
Instrument ID: J.i
Client ID: VSTD005EJ
Compound: 5 Bromomethane
CAS #: 74-83-9
Report Date: 09/24/2010

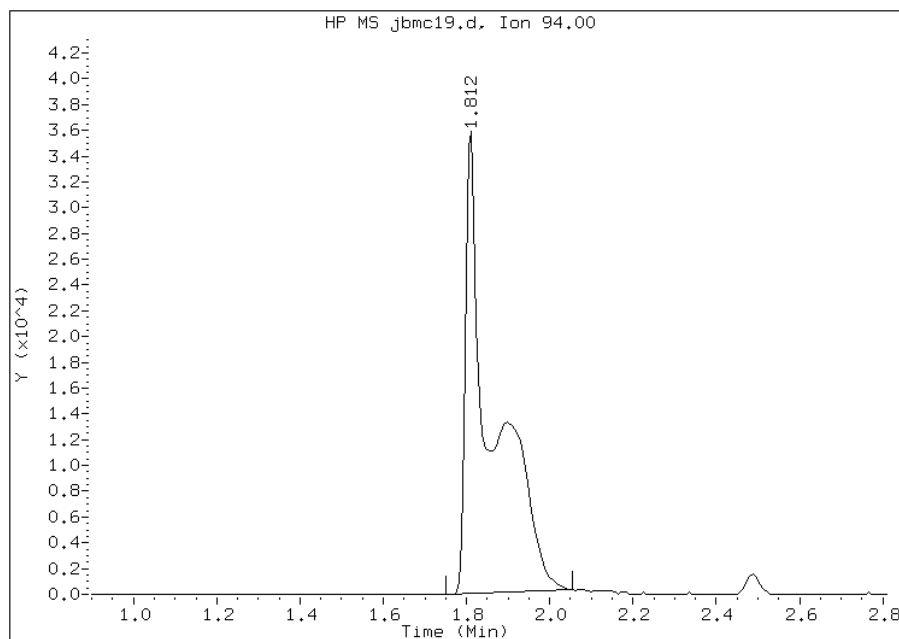
Processing Integration Results

RT: 1.81
Response: 94483
Amount: 73.47
Conc: 2.94



Manual Integration Results

RT: 1.81
Response: 158644
Amount: 123.36
Conc: 123.36



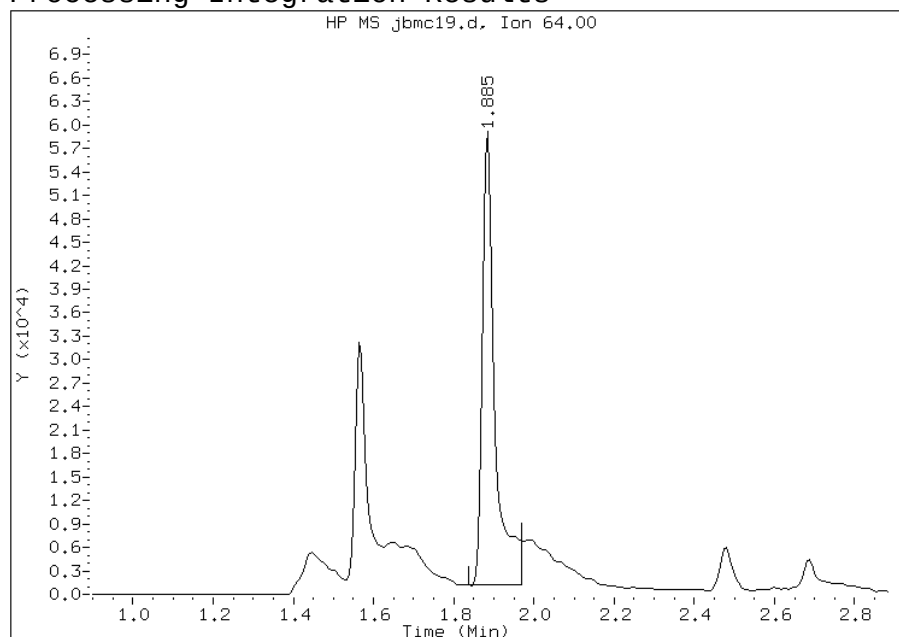
File Uploaded By: cmp
Manual Integration Reason: Poor chromatography

Manual Integration Report

Data File: jbm19.d
Lab Sample ID: CCVC
Inj. Date and Time: 23-SEP-2010 14:48
Instrument ID: J.i
Client ID: VSTD005EJ
Compound: 7 Chloroethane
CAS #: 75-00-3
Report Date: 09/24/2010

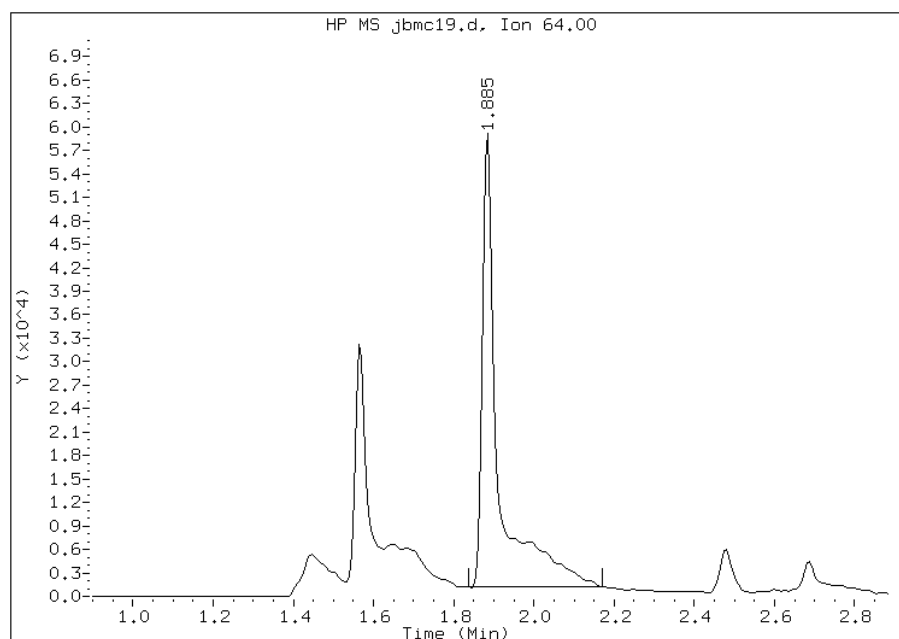
Processing Integration Results

RT: 1.89
Response: 128838
Amount: 106.38
Conc: 4.26



Manual Integration Results

RT: 1.89
Response: 162464
Amount: 134.14
Conc: 134.14



File Uploaded By: cmp
Manual Integration Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Lab Sample ID: CCVIS 200-7052/2 Calibration Date: 09/23/2010 15:26
 Instrument ID: J.i Calib Start Date: 09/21/2010 14:35
 GC Column: DB-624 ID: 0.20 (mm) Calib End Date: 09/21/2010 17:24
 Lab File ID: jbmd02.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	0.4623	0.4793	0.0100	5.20	5.00	3.7	40.0
Chloromethane	Ave	0.3728	0.3738	0.0100	5.00	5.00	0.3	40.0
Vinyl chloride	Ave	0.3772	0.3903	0.0100	5.20	5.00	3.5	30.0
Bromomethane	Ave	0.2097	0.2240	0.1000	5.30	5.00	6.8	30.0
Chloroethane	Ave	0.1975	0.2179	0.0100	5.50	5.00	10.3	40.0
Trichlorofluoromethane	Ave	0.5859	0.6032	0.0100	5.10	5.00	3.0	40.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3260	0.3294	0.0100	5.10	5.00	1.0	40.0
1,1-Dichloroethene	Ave	0.2850	0.2902	0.1000	5.10	5.00	1.8	30.0
Acetone	Ave	0.0129	0.0118	0.0100	46.0	50.0	-8.1	40.0
Carbon disulfide	Ave	0.7934	0.7912	0.0100	5.00	5.00	-0.3	40.0
Methyl acetate	Ave	0.0365	0.0369	0.0100	5.10	5.00	1.0	40.0
Methylene chloride	Ave	0.2126	0.2197	0.0100	5.20	5.00	3.3	40.0
Methyl tert-butyl ether	Ave	0.3250	0.3174	0.0100	4.90	5.00	-2.3	40.0
trans-1,2-Dichloroethene	Ave	0.3028	0.3013	0.0100	5.00	5.00	-0.5	40.0
1,1-Dichloroethane	Ave	0.4957	0.5116	0.2000	5.20	5.00	3.2	30.0
cis-1,2-Dichloroethene	Ave	0.2883	0.2956	0.0100	5.10	5.00	2.5	40.0
2-Butanone	Ave	0.0190	0.0188	0.0100	49.0	50.0	-1.0	40.0
Bromochloromethane	Ave	0.0863	0.0863	0.0500	5.00	5.00	0.0	30.0
Chloroform	Ave	0.4793	0.4813	0.2000	5.00	5.00	0.4	30.0
1,1,1-Trichloroethane	Ave	0.6706	0.6864	0.1000	5.10	5.00	2.3	30.0
Cyclohexane	Ave	0.6612	0.6791	0.0100	5.10	5.00	2.7	40.0
Carbon tetrachloride	Ave	0.6098	0.6212	0.1000	5.10	5.00	1.9	30.0
Benzene	Ave	1.555	1.585	0.4000	5.10	5.00	2.0	30.0
1,2-Dichloroethane	Ave	0.1942	0.1950	0.1000	5.00	5.00	0.4	30.0
Trichloroethene	Ave	0.4189	0.4272	0.3000	5.10	5.00	2.0	30.0
Methylcyclohexane	Ave	0.5316	0.5452	0.0100	5.10	5.00	2.6	40.0
1,2-Dichloropropane	Ave	0.2856	0.3007	0.0100	5.30	5.00	5.3	40.0
Bromodichloromethane	Ave	0.3431	0.3531	0.2000	5.10	5.00	2.9	30.0
cis-1,3-Dichloropropene	Ave	0.4141	0.4137	0.2000	5.00	5.00	-0.1	30.0
4-Methyl-2-pentanone	Ave	0.0622	0.0615	0.0100	49.0	50.0	-1.1	40.0
Toluene	Ave	1.663	1.693	0.4000	5.10	5.00	1.8	30.0
trans-1,3-Dichloropropene	Ave	0.2885	0.2925	0.1000	5.10	5.00	1.4	30.0
1,1,2-Trichloroethane	Ave	0.1375	0.1396	0.1000	5.10	5.00	1.5	30.0
Tetrachloroethene	Ave	0.3751	0.3789	0.1000	5.00	5.00	1.0	30.0
2-Hexanone	Ave	0.0454	0.0403	0.0100	44.0	50.0	-11.2	40.0
Dibromochloromethane	Ave	0.1766	0.1848	0.1000	5.20	5.00	4.6	30.0
1,2-Dibromoethane	Ave	0.1280	0.1275	0.0100	5.00	5.00	-0.4	40.0
Chlorobenzene	Ave	0.9859	1.001	0.5000	5.10	5.00	1.6	30.0
Ethylbenzene	Ave	1.942	1.974	0.1000	5.10	5.00	1.7	30.0
m,p-Xylene	Ave	0.7460	0.7670	0.3000	5.10	5.00	2.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Lab Sample ID: CCVIS 200-7052/2 Calibration Date: 09/23/2010 15:26
 Instrument ID: J.i Calib Start Date: 09/21/2010 14:35
 GC Column: DB-624 ID: 0.20 (mm) Calib End Date: 09/21/2010 17:24
 Lab File ID: jbmd02.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
o-Xylene	Ave	0.6674	0.6862	0.3000	5.10	5.00	2.8	30.0
Styrene	Ave	0.9498	1.000	0.3000	5.30	5.00	5.3	30.0
Bromoform	Ave	0.1722	0.1744	0.0500	5.10	5.00	1.3	30.0
Isopropylbenzene	Ave	1.974	2.020	0.0100	5.10	5.00	2.3	40.0
1,1,2,2-Tetrachloroethane	Ave	0.1222	0.1206	0.1000	4.90	5.00	-1.3	30.0
1,3-Dichlorobenzene	Ave	1.500	1.547	0.4000	5.20	5.00	3.1	30.0
1,4-Dichlorobenzene	Ave	1.476	1.475	0.4000	5.00	5.00	-0.0	30.0
1,2-Dichlorobenzene	Ave	1.086	1.141	0.4000	5.20	5.00	5.0	30.0
1,2-Dibromo-3-chloropropane	Ave	0.0354	0.0347	0.0100	4.90	5.00	-2.0	40.0
1,2,4-Trichlorobenzene	Ave	0.6947	0.7014	0.2000	5.00	5.00	1.0	30.0
1,2,3-Trichlorobenzene	Ave	0.4396	0.4521	0.2000	5.10	5.00	2.8	30.0
Vinyl chloride-d3	Ave	0.3346	0.3450	0.0100	5.20	5.00	3.1	30.0
Chloroethane-d5	Ave	0.2742	0.2834	0.0100	5.20	5.00	3.3	40.0
1,1-Dichloroethene-d2	Ave	0.5296	0.5239	0.0100	4.90	5.00	-1.1	30.0
2-Butanone-d5	Ave	0.0198	0.0193	0.0100	49.0	50.0	-2.4	40.0
Chloroform-d	Ave	0.4798	0.4943	0.0100	5.20	5.00	3.0	30.0
1,2-Dichloroethane-d4	Ave	0.1534	0.1541	0.0100	5.00	5.00	0.5	30.0
Benzene-d6	Ave	1.410	1.446	0.0100	5.10	5.00	2.6	30.0
1,2-Dichloropropane-d6	Ave	0.3718	0.3901	0.0100	5.20	5.00	4.9	40.0
Toluene-d8	Ave	1.386	1.401	0.0100	5.10	5.00	1.1	30.0
trans-1,3-Dichloropropene-d4	Ave	0.2568	0.2552	0.0100	5.00	5.00	-0.6	30.0
2-Hexanone-d5	Ave	0.0243	0.0240	0.0100	49.0	50.0	-1.3	40.0
1,1,2,2-Tetrachloroethane-d2	Ave	0.1160	0.1212	0.0100	5.20	5.00	4.4	30.0
1,2-Dichlorobenzene-d4	Ave	0.6897	0.7027	0.0100	5.10	5.00	1.9	30.0

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmdsmtr.b/jbmd02.d
Lab Smp Id: CCVIS Client Smp ID: VSTD005JF
Inj Date : 23-SEP-2010 15:26
Operator : JH2 Inst ID: J.i
Smp Info : CCVIS
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 23-Sep-2010 15:46 jh2 Quant Type: ISTD
Cal Date : 21-SEP-2010 17:24 Cal File: jbm08.d
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

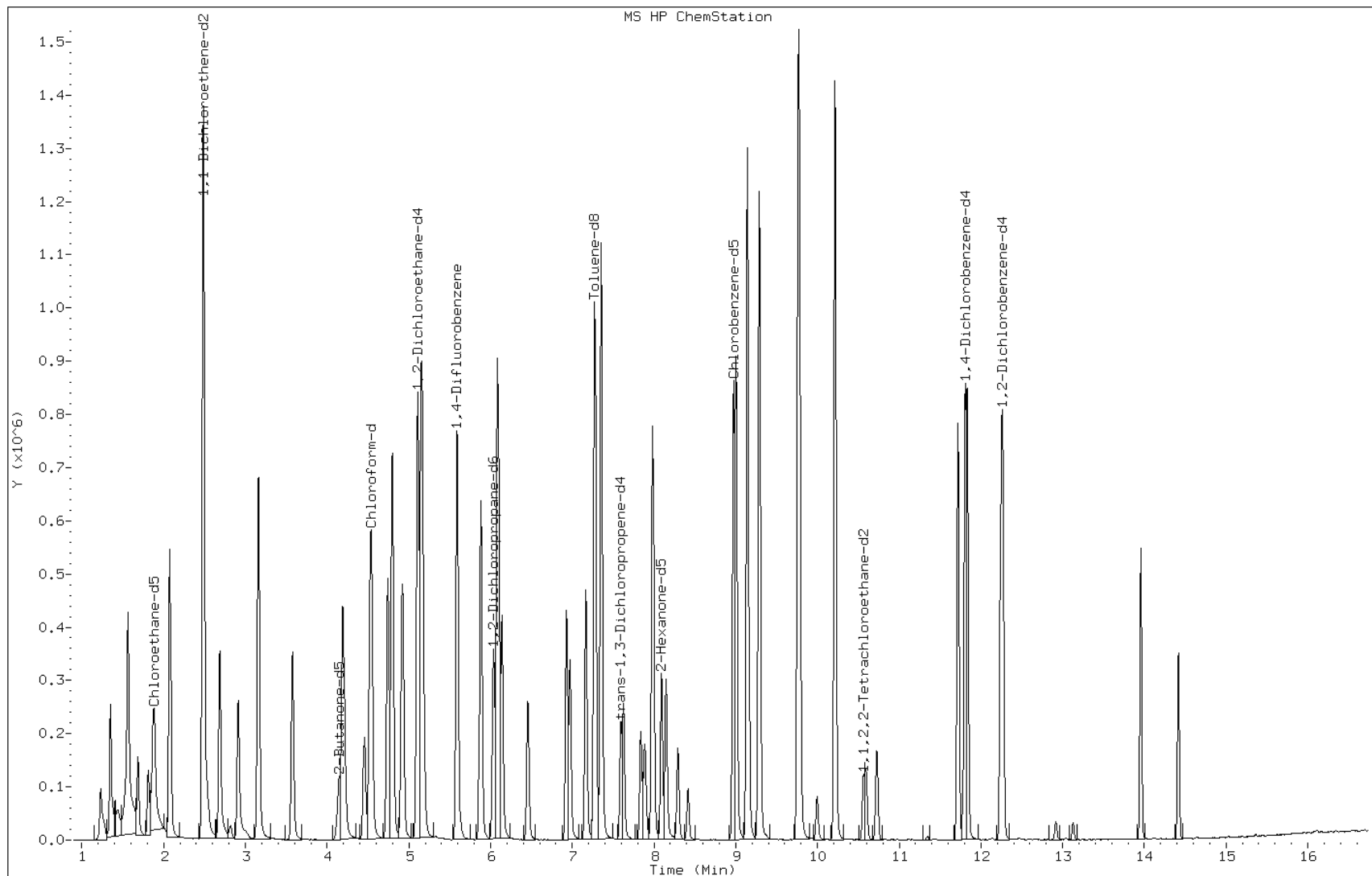
						AMOUNTS		
		QUANT	SIG			CAL -AMT	ON -COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
=====		====	==	=====	=====	=====	=====	=====
	1	Dichlorodifluoromethane	85	1.350	1.350 (0.241)	366006	125.000	130
	2	Chloromethane	50	1.544	1.544 (0.276)	285445	125.000	130
\$	3	Vinyl chloride-d3	65	1.563	1.563 (0.280)	263493	125.000	130
	4	Vinyl chloride	62	1.569	1.569 (0.281)	298038	125.000	130
	5	Bromomethane	94	1.812	1.812 (0.324)	171095	125.000	130
\$	6	Chloroethane-d5	69	1.867	1.867 (0.334)	216403	125.000	130
	7	Chloroethane	64	1.885	1.885 (0.337)	166406	125.000	140
	8	Trichlorofluoromethane	101	2.074	2.074 (0.371)	460666	125.000	130
\$	9	1,1-Dichloroethene-d2	63	2.481	2.481 (0.444)	400106	125.000	120
	10	1,1-Dichloroethene	96	2.493	2.493 (0.446)	221631	125.000	130
	11	1,1,2-Trichloro-1,2,2-trifluo	101	2.487	2.487 (0.445)	251535	125.000	130
	12	Acetone	43	2.536	2.536 (0.454)	90423	1250.00	1100
	13	Carbon disulfide	76	2.688	2.688 (0.481)	604191	125.000	120
	14	Methyl acetate	43	2.816	2.816 (0.504)	28194	125.000	130
	15	Methylene chloride	84	2.913	2.913 (0.521)	167787	125.000	130

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ng)	ON -COL (ng)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	3.163	3.163	(0.566)	230112	125.000	120
17 Methyl tert-butyl ether	73	3.156	3.156	(0.565)	242415	125.000	120
18 1,1-Dichloroethane	63	3.576	3.576	(0.640)	390711	125.000	130
\$ 19 2-Butanone-d5	46	4.148	4.148	(0.742)	147609	1250.00	1200
20 cis-1,2-Dichloroethene	96	4.191	4.191	(0.750)	225761	125.000	130
21 2-Butanone	43	4.215	4.215	(0.754)	143639	1250.00	1200
22 Bromochloromethane	128	4.458	4.458	(0.798)	65937	125.000	130
\$ 23 Chloroform-d	84	4.525	4.525	(0.810)	377521	125.000	130
24 Chloroform	83	4.544	4.544	(0.813)	367591	125.000	130
25 1,1,1-Trichloroethane	97	4.738	4.738	(0.528)	399381	125.000	130
26 Cyclohexane	56	4.799	4.799	(0.535)	395160	125.000	130
27 Carbon tetrachloride	117	4.921	4.921	(0.548)	361460	125.000	130
\$ 28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.912)	117697	125.000	130
\$ 29 Benzene-d6	84	5.109	5.109	(0.569)	841259	125.000	130
30 Benzene	78	5.158	5.158	(0.575)	922479	125.000	130
31 1,2-Dichloroethane	62	5.182	5.182	(0.927)	148880	125.000	130
* 32 1,4-Difluorobenzene	114	5.590	5.590	(1.000)	763681	125.000	
33 Trichloroethene	95	5.882	5.882	(0.656)	248564	125.000	130
\$ 34 1,2-Dichloropropane-d6	67	6.040	6.040	(0.673)	226986	125.000	130
35 Methylcyclohexane	55	6.089	6.089	(0.679)	317245	125.000	130
36 1,2-Dichloropropane	63	6.137	6.137	(0.684)	174949	125.000	130
37 Bromodichloromethane	83	6.454	6.454	(0.719)	205461	125.000	130
38 cis-1,3-Dichloropropene	75	6.971	6.971	(0.777)	240702	125.000	120
39 4-Methyl-2-pentanone	43	7.166	7.166	(0.799)	357863	1250.00	1200
\$ 40 Toluene-d8	98	7.275	7.275	(0.811)	815474	125.000	130
41 Toluene	91	7.354	7.354	(0.820)	984827	125.000	130
\$ 42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)	148500	125.000	120
43 trans-1,3-Dichloropropene	75	7.628	7.628	(0.850)	170216	125.000	130
44 1,1,2-Trichloroethane	97	7.835	7.835	(0.873)	81203	125.000	130
45 Tetrachloroethene	164	7.987	7.987	(0.890)	220442	125.000	130
\$ 46 2-Hexanone-d5	63	8.090	8.090	(0.902)	139674	1250.00	1200
47 2-Hexanone	43	8.145	8.145	(0.908)	234598	1250.00	1100
48 Dibromochloromethane	129	8.291	8.291	(0.924)	107504	125.000	130
49 1,2-Dibromoethane	107	8.419	8.419	(0.938)	74166	125.000	120
* 50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	581876	125.000	
51 Chlorobenzene	112	9.003	9.003	(1.003)	582612	125.000	130
52 Ethylbenzene	91	9.143	9.143	(1.019)	1148794	125.000	130
53 m,p-Xylene	106	9.289	9.289	(1.035)	446274	125.000	130
54 Styrene	104	9.781	9.781	(1.090)	581728	125.000	130
55 o-Xylene	106	9.763	9.763	(1.088)	399260	125.000	130
56 Bromoform	173	9.994	9.994	(0.846)	45558	125.000	130
57 Isopropylbenzene	105	10.213	10.213	(1.138)	1175390	125.000	130
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.560	10.560	(1.177)	70513	125.000	130
59 1,1,2,2-Tetrachloroethane	83	10.591	10.591	(1.180)	70185	125.000	120
60 1,3-Dichlorobenzene	146	11.722	11.722	(0.993)	404063	125.000	130
* 61 1,4-Dichlorobenzene-d4	152	11.807	11.807	(1.000)	261228	125.000	
62 1,4-Dichlorobenzene	146	11.832	11.832	(1.002)	385345	125.000	120

						AMOUNTS	
Compounds		QUANT SIG				CAL-AMT	ON-COL
		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)
=====		====	==	=====	=====	=====	=====
\$ 63	1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	183571	125.000 130
64	1,2-Dichlorobenzene	146	12.270	12.270	(1.039)	297965	125.000 130
65	1,2-Dibromo-3-chloropropane	75	13.134	13.134	(1.112)	9052	125.000 120
66	1,2,4-Trichlorobenzene	180	13.955	13.955	(1.182)	183215	125.000 130
67	1,2,3-Trichlorobenzene	180	14.417	14.417	(1.221)	118100	125.000 130

Data File: jbmd02.d
Client ID: VSTD005JF
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: CCVIS
Lab Sample ID: CCVIS

Date: 23-SEP-2010 15:26
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Lab Sample ID: CCVC 200-7052/25 Calibration Date: 09/24/2010 02:18
 Instrument ID: J.i Calib Start Date: 09/21/2010 14:35
 GC Column: DB-624 ID: 0.20 (mm) Calib End Date: 09/21/2010 17:24
 Lab File ID: jbmd25.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	0.4623	0.4550	0.0100	4.90	5.00	-1.6	50.0
Vinyl chloride	Ave	0.3772	0.3791	0.0100	5.00	5.00	0.5	50.0
Chloromethane	Ave	0.3728	0.3701	0.0100	5.00	5.00	-0.7	50.0
Bromomethane	Ave	0.2097	0.2059	0.0100	4.90	5.00	-1.8	50.0
Chloroethane	Ave	0.1975	0.2175	0.0100	5.50	5.00	10.1	50.0
Trichlorofluoromethane	Ave	0.5859	0.6007	0.0100	5.10	5.00	2.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3260	0.3173	0.0100	4.90	5.00	-2.7	50.0
1,1-Dichloroethene	Ave	0.2850	0.2933	0.0100	5.10	5.00	2.9	50.0
Acetone	Ave	0.0129	0.0120	0.0100	46.0	50.0	-7.0	50.0
Carbon disulfide	Ave	0.7934	0.7827	0.0100	4.90	5.00	-1.3	50.0
Methyl acetate	Ave	0.0365	0.0309	0.0100	4.20	5.00	-15.5	50.0
Methylene chloride	Ave	0.2126	0.2170	0.0100	5.10	5.00	2.1	50.0
Methyl tert-butyl ether	Ave	0.3250	0.3359	0.0100	5.20	5.00	3.3	50.0
trans-1,2-Dichloroethene	Ave	0.3028	0.3100	0.0100	5.10	5.00	2.4	50.0
1,1-Dichloroethane	Ave	0.4957	0.5171	0.0100	5.20	5.00	4.3	50.0
cis-1,2-Dichloroethene	Ave	0.2883	0.2928	0.0100	5.10	5.00	1.6	50.0
2-Butanone	Ave	0.0190	0.0199	0.0100	52.0	50.0	4.8	50.0
Bromochloromethane	Ave	0.0863	0.0873	0.0100	5.10	5.00	1.2	50.0
Chloroform	Ave	0.4793	0.4890	0.0100	5.10	5.00	2.0	50.0
1,1,1-Trichloroethane	Ave	0.6706	0.6707	0.0100	5.00	5.00	0.0	50.0
Cyclohexane	Ave	0.6612	0.6710	0.0100	5.10	5.00	1.5	50.0
Carbon tetrachloride	Ave	0.6098	0.6178	0.0100	5.10	5.00	1.3	50.0
Benzene	Ave	1.555	1.600	0.0100	5.10	5.00	2.9	50.0
1,2-Dichloroethane	Ave	0.1942	0.1991	0.0100	5.10	5.00	2.5	50.0
Trichloroethene	Ave	0.4189	0.4248	0.0100	5.10	5.00	1.4	50.0
Methylcyclohexane	Ave	0.5316	0.5291	0.0100	5.00	5.00	-0.5	50.0
1,2-Dichloropropane	Ave	0.2856	0.2995	0.0100	5.20	5.00	4.9	50.0
Bromodichloromethane	Ave	0.3431	0.3622	0.0100	5.30	5.00	5.6	50.0
cis-1,3-Dichloropropene	Ave	0.4141	0.4167	0.0100	5.00	5.00	0.6	50.0
4-Methyl-2-pentanone	Ave	0.0622	0.0646	0.0100	52.0	50.0	3.9	50.0
Toluene	Ave	1.663	1.683	0.0100	5.10	5.00	1.2	50.0
trans-1,3-Dichloropropene	Ave	0.2885	0.3003	0.0100	5.20	5.00	4.1	50.0
1,1,2-Trichloroethane	Ave	0.1375	0.1429	0.0100	5.20	5.00	3.9	50.0
Tetrachloroethene	Ave	0.3751	0.3735	0.0100	5.00	5.00	-0.4	50.0
2-Hexanone	Ave	0.0454	0.0413	0.0100	45.0	50.0	-9.1	50.0
Dibromochloromethane	Ave	0.1766	0.1964	0.0100	5.60	5.00	11.2	50.0
1,2-Dibromoethane	Ave	0.1280	0.1314	0.0100	5.10	5.00	2.6	50.0
Chlorobenzene	Ave	0.9859	0.9870	0.0100	5.00	5.00	0.1	50.0
Ethylbenzene	Ave	1.942	1.959	0.0100	5.00	5.00	0.9	50.0
m,p-Xylene	Ave	0.7460	0.7664	0.0100	5.10	5.00	2.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Lab Sample ID: CCVC 200-7052/25 Calibration Date: 09/24/2010 02:18
 Instrument ID: J.i Calib Start Date: 09/21/2010 14:35
 GC Column: DB-624 ID: 0.20 (mm) Calib End Date: 09/21/2010 17:24
 Lab File ID: jbmd25.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
o-Xylene	Ave	0.6674	0.6772	0.0100	5.10	5.00	1.5	50.0
Styrene	Ave	0.9498	0.9785	0.0100	5.20	5.00	3.0	50.0
Bromoform	Ave	0.1722	0.1907	0.0100	5.50	5.00	10.8	50.0
Isopropylbenzene	Ave	1.974	1.960	0.0100	5.00	5.00	-0.7	50.0
1,1,2,2-Tetrachloroethane	Ave	0.1222	0.1287	0.0100	5.30	5.00	5.3	50.0
1,3-Dichlorobenzene	Ave	1.500	1.510	0.0100	5.00	5.00	0.7	50.0
1,4-Dichlorobenzene	Ave	1.476	1.464	0.0100	5.00	5.00	-0.8	50.0
1,2-Dichlorobenzene	Ave	1.086	1.127	0.0100	5.20	5.00	3.7	50.0
1,2-Dibromo-3-chloropropane	Ave	0.0354	0.0367	0.0100	5.20	5.00	3.9	50.0
1,2,4-Trichlorobenzene	Ave	0.6947	0.6461	0.0100	4.70	5.00	-7.0	50.0
1,2,3-Trichlorobenzene	Ave	0.4396	0.4082	0.0100	4.60	5.00	-7.1	50.0
Vinyl chloride-d3	Ave	0.3346	0.3402	0.0100	5.10	5.00	1.7	50.0
Chloroethane-d5	Ave	0.2742	0.2761	0.0100	5.00	5.00	0.7	50.0
1,1-Dichloroethene-d2	Ave	0.5296	0.5319	0.0100	5.00	5.00	0.4	50.0
2-Butanone-d5	Ave	0.0198	0.0214	0.0100	54.0	50.0	8.2	50.0
Chloroform-d	Ave	0.4798	0.5083	0.0100	5.30	5.00	5.9	50.0
1,2-Dichloroethane-d4	Ave	0.1534	0.1584	0.0100	5.20	5.00	3.3	50.0
Benzene-d6	Ave	1.410	1.453	0.0100	5.20	5.00	3.1	50.0
1,2-Dichloropropane-d6	Ave	0.3718	0.3946	0.0100	5.30	5.00	6.1	50.0
Toluene-d8	Ave	1.386	1.406	0.0100	5.10	5.00	1.4	50.0
trans-1,3-Dichloropropene-d4	Ave	0.2568	0.2600	0.0100	5.10	5.00	1.2	50.0
2-Hexanone-d5	Ave	0.0243	0.0254	0.0100	52.0	50.0	4.5	50.0
1,1,2,2-Tetrachloroethane-d2	Ave	0.1160	0.1244	0.0100	5.40	5.00	7.2	50.0
1,2-Dichlorobenzene-d4	Ave	0.6897	0.7161	0.0100	5.20	5.00	3.8	50.0

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmdsmtr.b/jbmd25.d
Lab Smp Id: CCVC Client Smp ID: VSTD005FJ
Inj Date : 24-SEP-2010 02:18
Operator : JH2 Inst ID: J.i
Smp Info : CCVC
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 09:07 jh2 Quant Type: ISTD
Cal Date : 21-SEP-2010 17:24 Cal File: jbm08.d
Als bottle: 39 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ng)	ON-COL (ng)
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85	1.350	1.350 (0.241)	341050	125.000	120(M)		
2 Chloromethane	50	1.569	1.544 (0.280)	277453	125.000	120		
\$ 3 Vinyl chloride-d3	65	1.563	1.563 (0.279)	254980	125.000	130		
4 Vinyl chloride	62	1.563	1.569 (0.279)	284166	125.000	130		
5 Bromomethane	94	1.812	1.812 (0.324)	154312	125.000	120(M)		
\$ 6 Chloroethane-d5	69	1.861	1.867 (0.332)	206977	125.000	130		
7 Chloroethane	64	1.885	1.885 (0.337)	163015	125.000	140(M)		
8 Trichlorofluoromethane	101	2.074	2.074 (0.371)	450311	125.000	130		
\$ 9 1,1-Dichloroethene-d2	63	2.481	2.481 (0.443)	398695	125.000	130		
10 1,1-Dichloroethene	96	2.493	2.493 (0.446)	219892	125.000	130		
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.487	2.487 (0.444)	237871	125.000	120		
12 Acetone	43	2.536	2.536 (0.453)	89794	1250.00	1200		
13 Carbon disulfide	76	2.688	2.688 (0.480)	586724	125.000	120		
14 Methyl acetate	43	2.816	2.816 (0.503)	23158	125.000	110		
15 Methylene chloride	84	2.913	2.913 (0.521)	162694	125.000	130		

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	3.163	3.163	(0.565)	232379	125.000	130
17 Methyl tert-butyl ether	73	3.156	3.156	(0.564)	251779	125.000	130
18 1,1-Dichloroethane	63	3.576	3.576	(0.639)	387632	125.000	130
\$ 19 2-Butanone-d5	46	4.154	4.148	(0.742)	160644	1250.00	1400
20 cis-1,2-Dichloroethene	96	4.191	4.191	(0.749)	219479	125.000	130
21 2-Butanone	43	4.215	4.215	(0.753)	149225	1250.00	1300
22 Bromochloromethane	128	4.458	4.458	(0.797)	65459	125.000	130
\$ 23 Chloroform-d	84	4.525	4.525	(0.809)	381031	125.000	130
24 Chloroform	83	4.544	4.544	(0.812)	366552	125.000	130
25 1,1,1-Trichloroethane	97	4.738	4.738	(0.528)	384883	125.000	130
26 Cyclohexane	56	4.799	4.799	(0.535)	385048	125.000	130
27 Carbon tetrachloride	117	4.921	4.921	(0.548)	354539	125.000	130
\$ 28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.911)	118727	125.000	130
\$ 29 Benzene-d6	84	5.109	5.109	(0.569)	834060	125.000	130
30 Benzene	78	5.158	5.158	(0.575)	917997	125.000	130
31 1,2-Dichloroethane	62	5.182	5.182	(0.926)	149222	125.000	130
* 32 1,4-Difluorobenzene	114	5.596	5.590	(1.000)	749606	125.000	
33 Trichloroethene	95	5.882	5.882	(0.656)	243788	125.000	130
\$ 34 1,2-Dichloropropane-d6	67	6.040	6.040	(0.673)	226446	125.000	130
35 Methylcyclohexane	55	6.089	6.089	(0.679)	303623	125.000	120
36 1,2-Dichloropropane	63	6.137	6.137	(0.684)	171870	125.000	130
37 Bromodichloromethane	83	6.460	6.454	(0.720)	207840	125.000	130
38 cis-1,3-Dichloropropene	75	6.971	6.971	(0.777)	239128	125.000	130
39 4-Methyl-2-pentanone	43	7.166	7.166	(0.799)	370816	1250.00	1300
\$ 40 Toluene-d8	98	7.275	7.275	(0.811)	806643	125.000	130
41 Toluene	91	7.354	7.354	(0.820)	965708	125.000	130
\$ 42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)	149187	125.000	130
43 trans-1,3-Dichloropropene	75	7.628	7.628	(0.850)	172337	125.000	130
44 1,1,2-Trichloroethane	97	7.835	7.835	(0.873)	82011	125.000	130
45 Tetrachloroethene	164	7.987	7.987	(0.890)	214339	125.000	120
\$ 46 2-Hexanone-d5	63	8.090	8.090	(0.902)	145931	1250.00	1300
47 2-Hexanone	43	8.151	8.145	(0.908)	236816	1250.00	1100
48 Dibromochloromethane	129	8.291	8.291	(0.924)	112687	125.000	140
49 1,2-Dibromoethane	107	8.419	8.419	(0.938)	75375	125.000	130
* 50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	573838	125.000	
51 Chlorobenzene	112	9.003	9.003	(1.003)	566402	125.000	130
52 Ethylbenzene	91	9.143	9.143	(1.019)	1124100	125.000	130
53 m,p-Xylene	106	9.289	9.289	(1.035)	439797	125.000	130
54 Styrene	104	9.782	9.781	(1.090)	561473	125.000	130
55 o-Xylene	106	9.763	9.763	(1.088)	388572	125.000	130
56 Bromoform	173	9.994	9.994	(0.846)	48478	125.000	140
57 Isopropylbenzene	105	10.213	10.213	(1.138)	1124562	125.000	120
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.566	10.560	(1.178)	71375	125.000	130
59 1,1,2,2-Tetrachloroethane	83	10.597	10.591	(1.181)	73838	125.000	130
60 1,3-Dichlorobenzene	146	11.722	11.722	(0.993)	383938	125.000	130
* 61 1,4-Dichlorobenzene-d4	152	11.807	11.807	(1.000)	254210	125.000	
62 1,4-Dichlorobenzene	146	11.832	11.832	(1.002)	372116	125.000	120

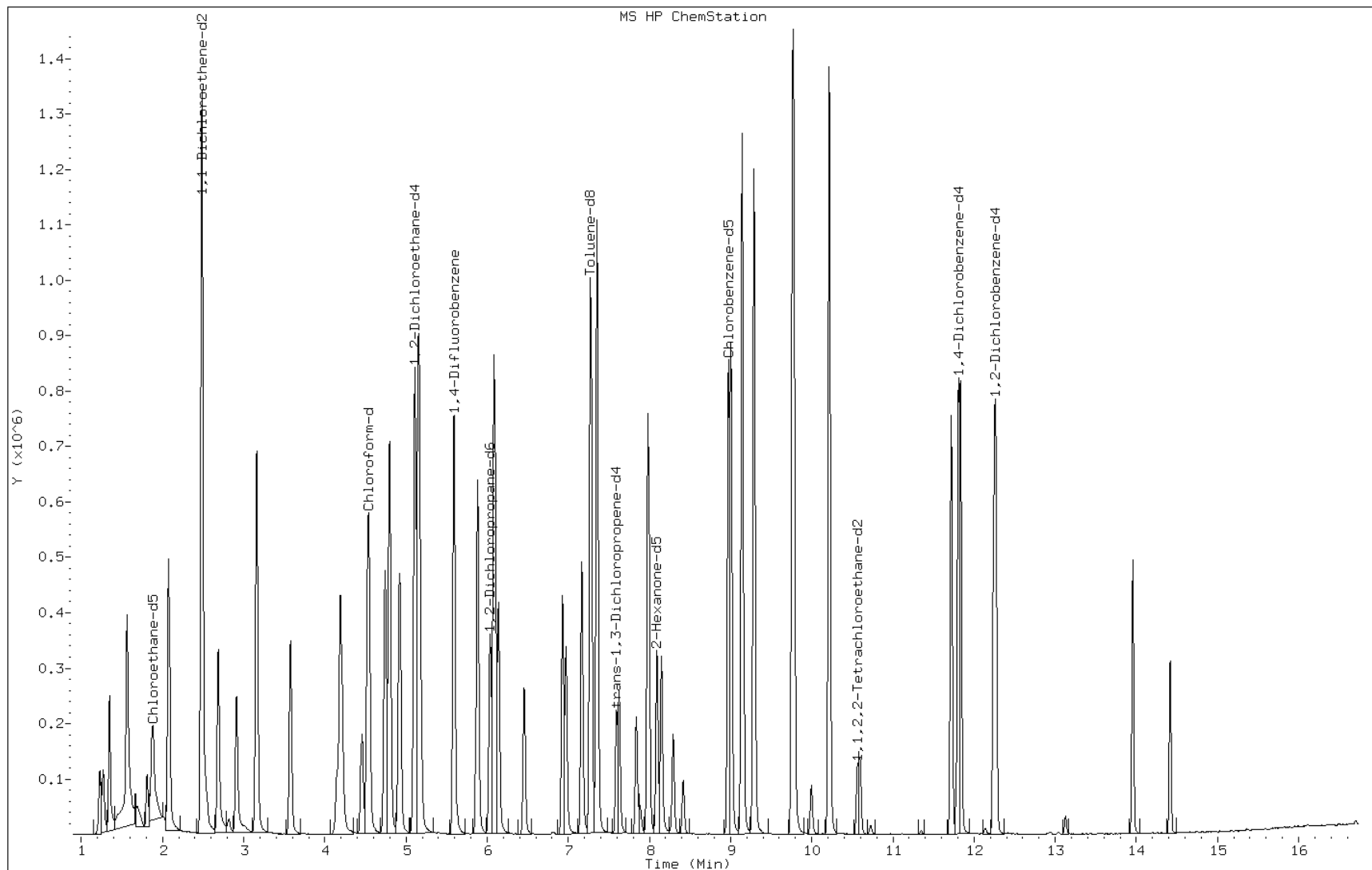
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
	(ng)	(ng)	(ng)	(ng)	(ng)	(ng)	(ng)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	182031	125.000	130
64 1,2-Dichlorobenzene	146	12.270	12.270	(1.039)	286521	125.000	130
65 1,2-Dibromo-3-chloropropane	75	13.127	13.134	(1.112)	9334	125.000	130
66 1,2,4-Trichlorobenzene	180	13.955	13.955	(1.182)	164244	125.000	120
67 1,2,3-Trichlorobenzene	180	14.417	14.417	(1.221)	103769	125.000	120

QC Flag Legend

M - Compound response manually integrated.

Data File: jbmd25.d
Client ID: VSTD005FJ
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: CCVC
Lab Sample ID: CCVC

Date: 24-SEP-2010 02:18
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20

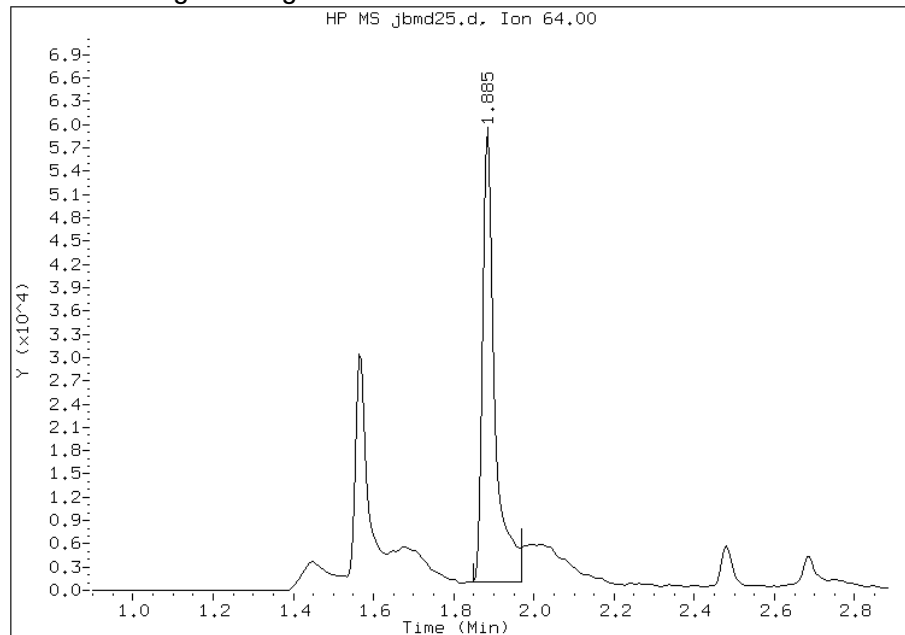


Manual Integration Report

Data File: jbm25.d
Lab Sample ID: CCVC
Inj. Date and Time: 24-SEP-2010 02:18
Instrument ID: J.i
Client ID: VSTD005FJ
Compound: 7 Chloroethane
CAS #: 75-00-3
Report Date: 09/27/2010

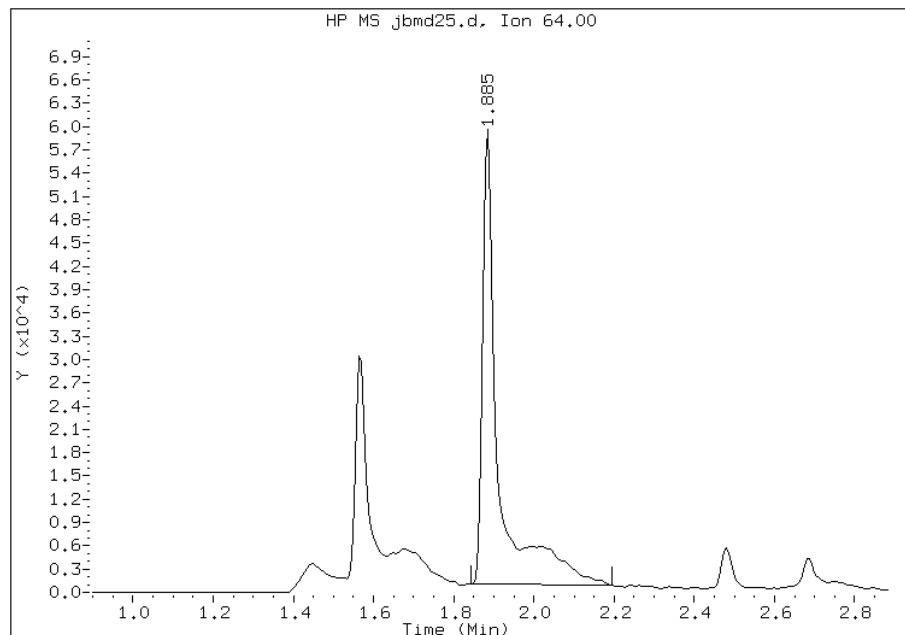
Processing Integration Results

RT: 1.89
Response: 127388
Amount: 107.56
Conc: 4.30



Manual Integration Results

RT: 1.89
Response: 163015
Amount: 137.64
Conc: 137.64



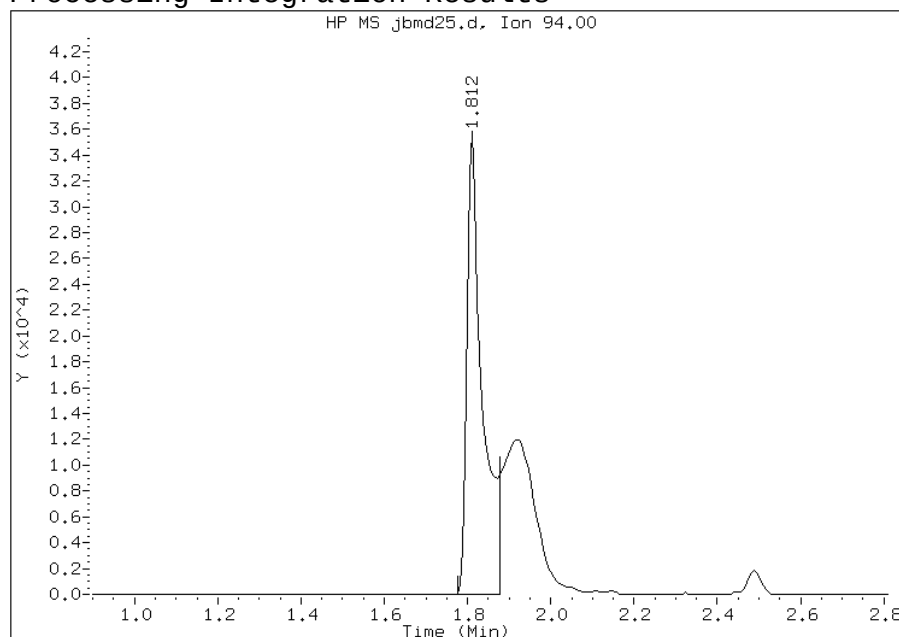
File Uploaded By: cmp
Manual Integration Reason: Poor chromatography

Manual Integration Report

Data File: jbm25.d
Lab Sample ID: CCVC
Inj. Date and Time: 24-SEP-2010 02:18
Instrument ID: J.i
Client ID: VSTD005FJ
Compound: 5 Bromomethane
CAS #: 74-83-9
Report Date: 09/27/2010

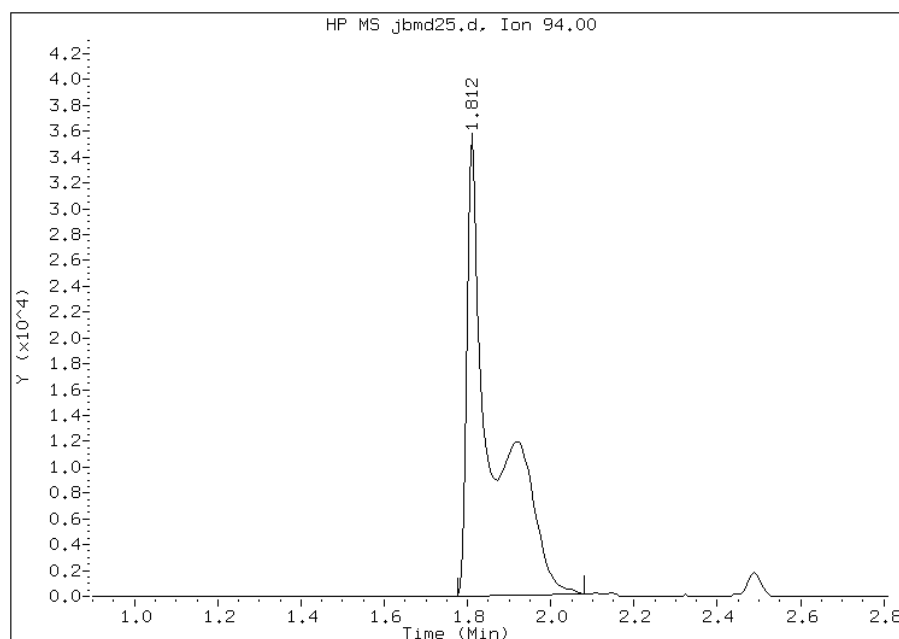
Processing Integration Results

RT: 1.81
Response: 93885
Amount: 74.66
Conc: 2.99



Manual Integration Results

RT: 1.81
Response: 154312
Amount: 122.71
Conc: 122.71



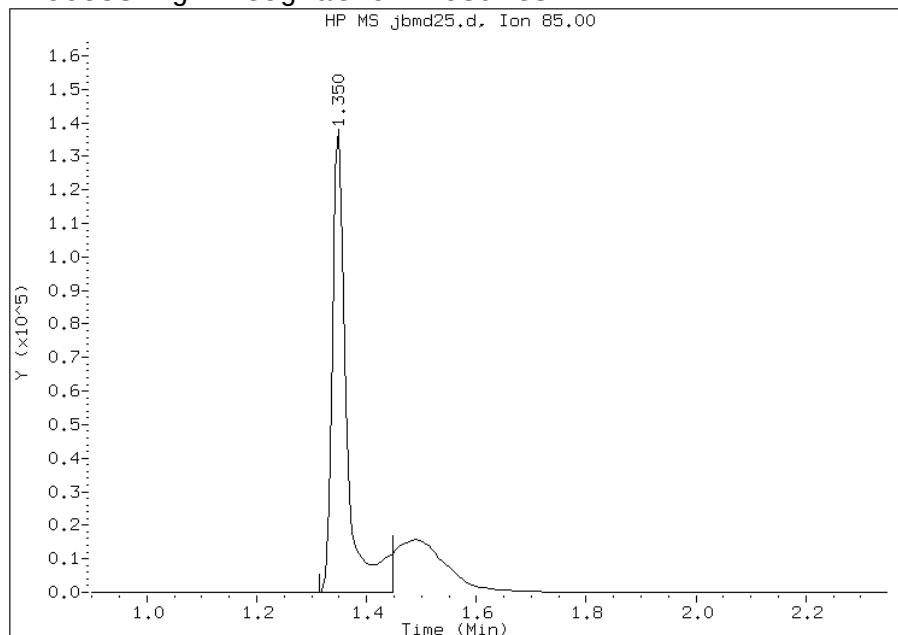
File Uploaded By: cmp
Manual Integration Reason: Poor chromatography

Manual Integration Report

Data File: jbm25.d
Lab Sample ID: CCVC
Inj. Date and Time: 24-SEP-2010 02:18
Instrument ID: J.i
Client ID: VSTD005FJ
Compound: 1 Dichlorodifluoromethane
CAS #: 75-71-8
Report Date: 09/27/2010

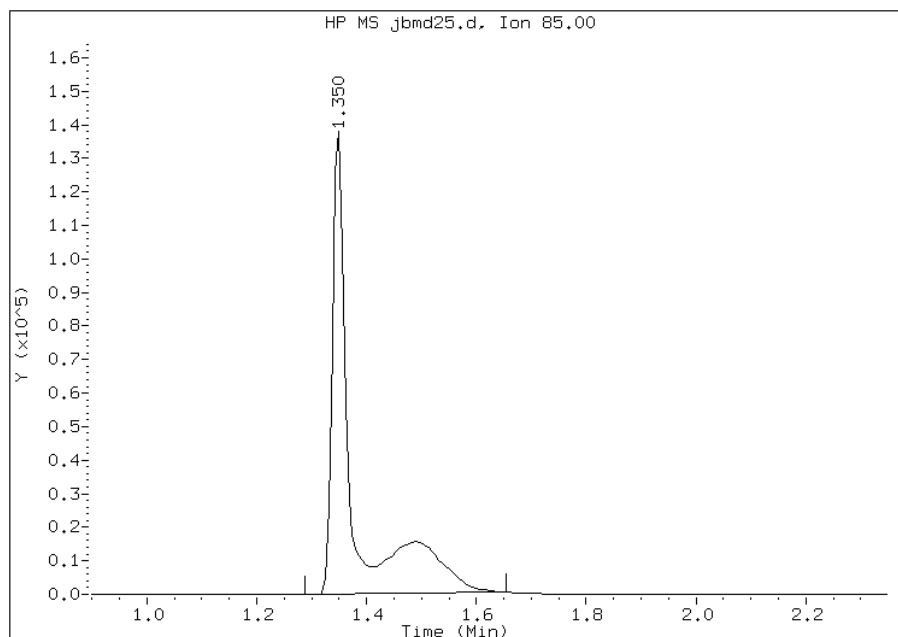
Processing Integration Results

RT: 1.35
Response: 253653
Amount: 91.49
Conc: 3.66



Manual Integration Results

RT: 1.35
Response: 341050
Amount: 123.01
Conc: 123.01



File Uploaded By: cmp
Manual Integration Reason: Poor chromatography

TestAmerica Burlington

Data file : /chem/J.i/Jsvr.p/jbmsmtr.b/jbm01.d
Lab Smp Id: BFB Client Smp ID: BFBJB
Inj Date : 21-SEP-2010 14:17
Operator : JH2 Inst ID: J.i
Smp Info : 50NG BFB
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmsmtr.b/bfbSOMTr.m
Meth Date : 01-Sep-2010 15:57 jh2 Quant Type: ESTD
Cal Date : 19-JUN-1997 11:30 Cal File: LKG001HV.d
Als bottle: 16 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr6

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

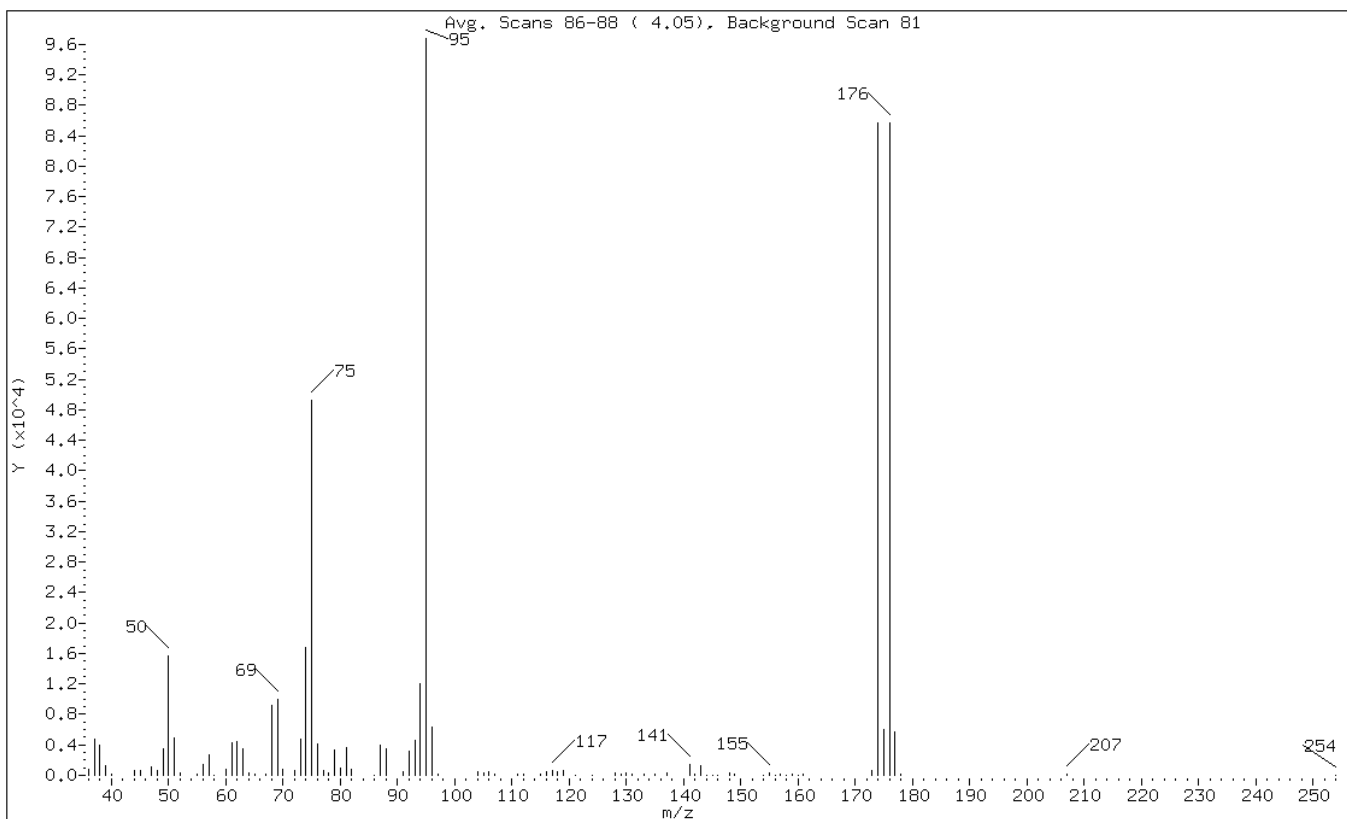
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
ON-COL FINAL									
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 1 bfb CAS #: 460-00-4									
4.046	4.100	-0.054	95	96773			100.00- 100.00	100.00	
4.046	4.100	-0.054	50	15638			15.00- 40.00	16.16	
4.046	4.100	-0.054	75	49328			30.00- 80.00	50.97	
4.046	4.100	-0.054	96	6399			5.00- 9.00	6.61	
4.046	4.100	-0.054	173	629			0.00- 2.00	0.73	
4.046	4.100	-0.054	174	85650			50.00- 120.00	88.51	
4.046	4.100	-0.054	175	6072			5.00- 9.00	7.09	
4.046	4.100	-0.054	176	85661			95.00- 101.00	100.01	
4.046	4.100	-0.054	177	5643			5.00- 9.00	6.59	

Data File: jbm01.d
 Client ID: BFBJB
 Operator: JH2
 Column Type: Capillary
 Stationary Phase: DB-624
 Sample Info: 50NG BFB
 Lab Sample ID: BFB
 1 bfb

Date: 21-SEP-2010 14:17
 Instrument: J.i
 Inj Vol: 1.0 (ul)
 Diameter: 0.53 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.16
75	30.00 - 80.00% of mass 95	50.97
96	5.00 - 9.00% of mass 95	6.61
173	Less than 2.00% of mass 174	0.65 (0.73)
174	50.00 - 120.00% of mass 95	88.51
175	5.00 - 9.00% of mass 174	6.27 (7.09)
176	95.00 - 101.00% of mass 174	88.52 (100.01)
177	5.00 - 9.00% of mass 176	5.83 (6.59)

Data File: jbm01.d
 Client ID: BFBJB
 Operator: JH2
 Column Type: Capillary
 Stationary Phase: DB-624
 Sample Info: 50NG BFB
 Lab Sample ID: BFB

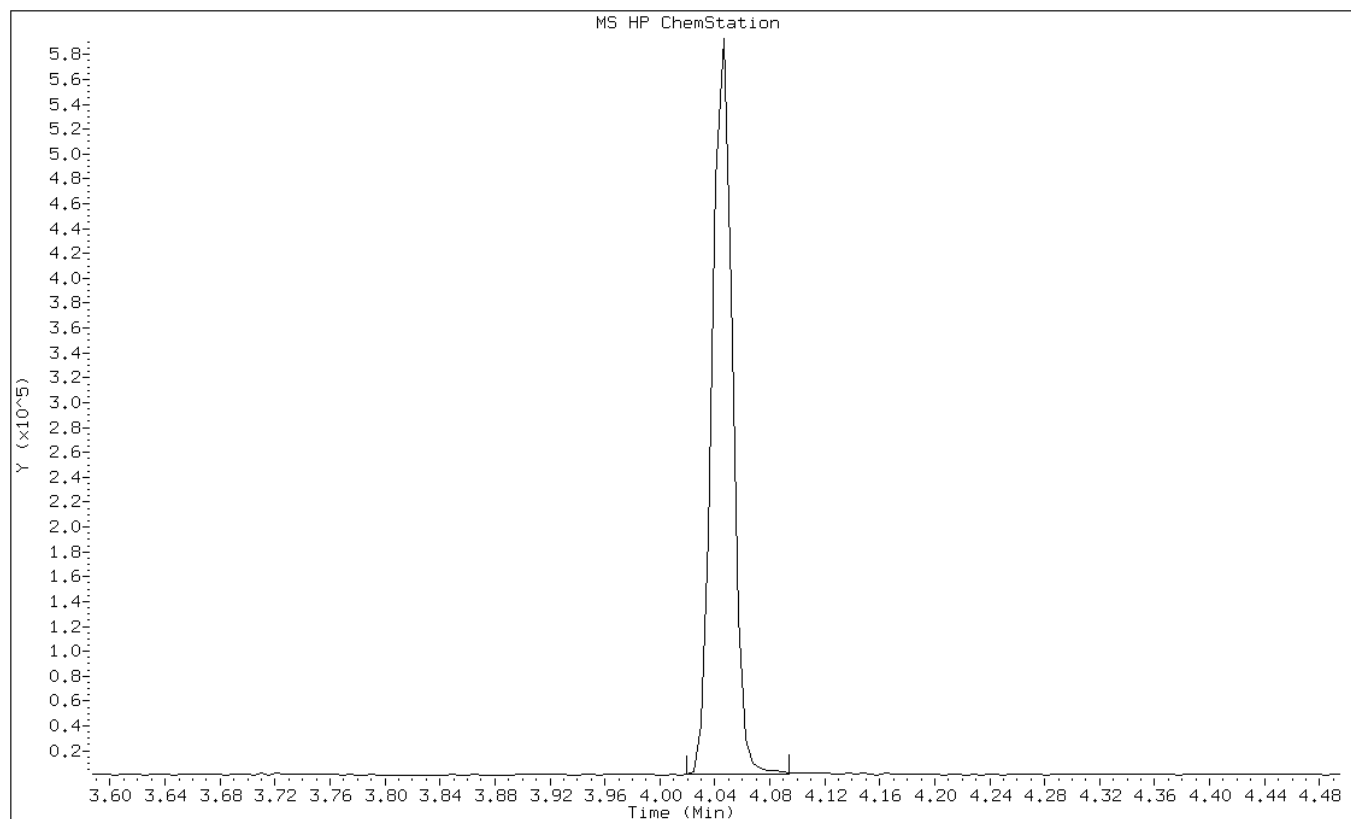
Date: 21-SEP-2010 14:17
 Instrument: J.i
 Inj Vol: 1.0 (ul)
 Diameter: 0.53 (mm)

Data File: /chem/J.i/Jsvr.p/jbmsmtr.b/jbm01.d
 Spectrum: Avg. Scans 86-88 (4.05), Background Scan 81
 Location of Maximum: 95.00
 Number of points: 92

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	838	68.00	9226	104.00	552	145.00	50
37.00	4688	69.00	10036	105.00	276	146.00	52
38.00	3933	70.00	775	106.00	518	148.00	335
39.00	1315	72.00	560	107.00	129	149.00	110
40.00	82	73.00	4738	111.00	120	154.00	56
44.00	684	74.00	16864	112.00	85	155.00	374
45.00	700	75.00	49328	115.00	120	156.00	72
47.00	1129	76.00	4179	116.00	414	157.00	145
48.00	710	77.00	629	117.00	643	158.00	56
49.00	3510	78.00	368	118.00	482	159.00	129
50.00	15638	79.00	3373	119.00	585	160.00	66
51.00	4949	80.00	983	121.00	58	161.00	86
52.00	321	81.00	3585	124.00	61	173.00	629
55.00	218	82.00	774	128.00	316	174.00	85648
56.00	1419	86.00	74	129.00	171	175.00	6072
57.00	2640	87.00	3916	130.00	367	176.00	85656
58.00	50	88.00	3481	131.00	155	177.00	5643
60.00	815	91.00	462	133.00	122	178.00	151
61.00	4251	92.00	3172	135.00	206	207.00	133
62.00	4366	93.00	4551	137.00	299	254.00	55
63.00	3556	94.00	12002	141.00	1406		
64.00	374	95.00	96768	142.00	143		
65.00	120	96.00	6399	143.00	1195		
67.00	80	97.00	229	144.00	62		

Data File: jbm01.d
Client ID: BFBJB
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 50NG BFB
Lab Sample ID: BFB

Date: 21-SEP-2010 14:17
Instrument: J.i
Inj Vol: 1.0 (ul)
Diameter: 0.53 (mm)



TestAmerica Burlington

Data file : /chem/J.i/Jsvr.p/jbmcsmtr.b/jbmc01.d
Lab Smp Id: BFB Client Smp ID: BFBJE
Inj Date : 23-SEP-2010 06:19
Operator : JH2 Inst ID: J.i
Smp Info : BFB
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmcsmtr.b/bfbSOMTr.m
Meth Date : 01-Sep-2010 15:57 jh2 Quant Type: ESTD
Cal Date : 19-JUN-1997 11:30 Cal File: LKG001HV.d
Als bottle: 16 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

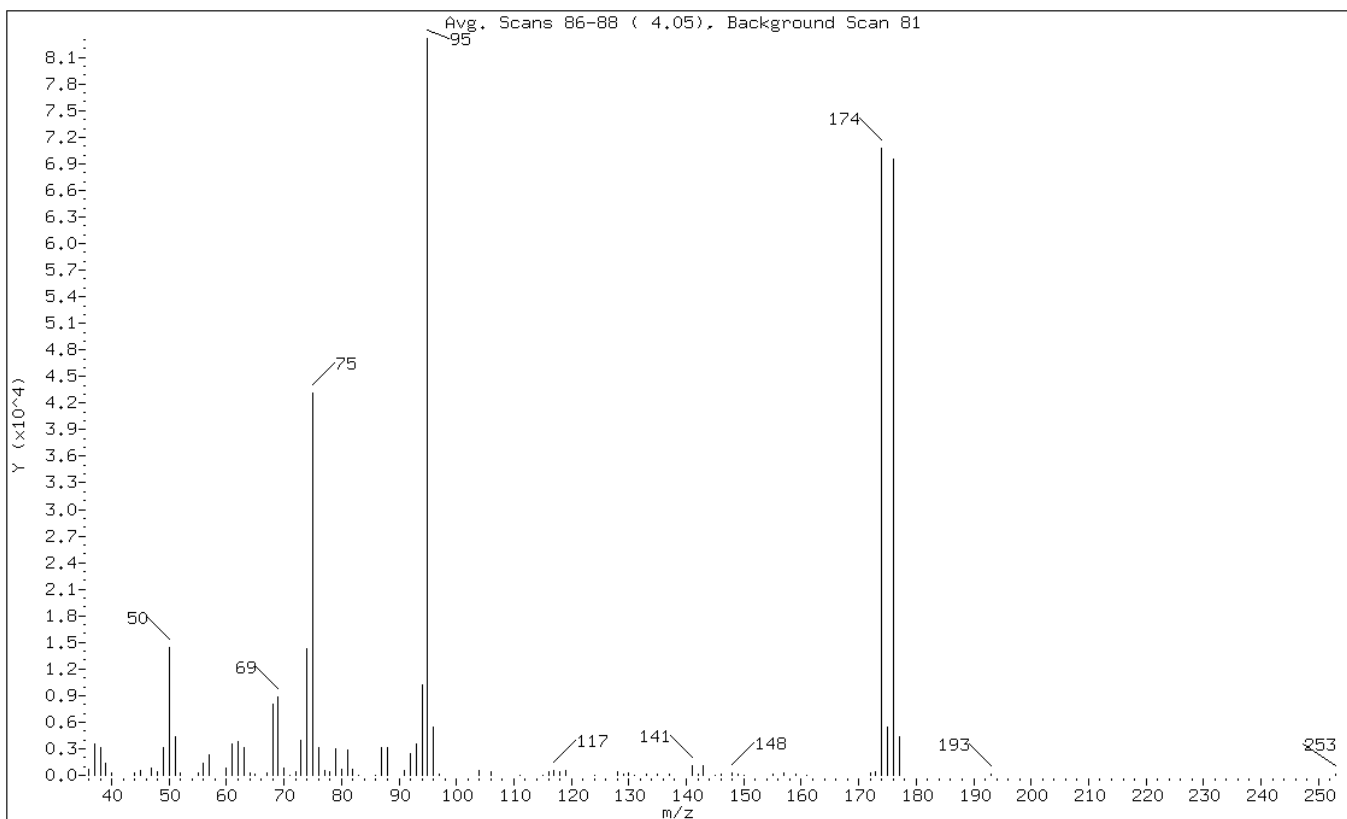
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
				ON-COL		FINAL			
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 1 bfb CAS #: 460-00-4									
4.046	4.100	-0.054	95	83146			100.00- 100.00	100.00	
4.046	4.100	-0.054	50	14374			15.00- 40.00	17.29	
4.046	4.100	-0.054	75	43170			30.00- 80.00	51.92	
4.046	4.100	-0.054	96	5442			5.00- 9.00	6.55	
4.046	4.100	-0.054	173	375			0.00- 2.00	0.53	
4.046	4.100	-0.054	174	70810			50.00- 120.00	85.16	
4.046	4.100	-0.054	175	5426			5.00- 9.00	7.66	
4.046	4.100	-0.054	176	69482			95.00- 101.00	98.12	
4.046	4.100	-0.054	177	4339			5.00- 9.00	6.24	

Data File: jbm01.d
 Client ID: BFBJE
 Operator: JH2
 Column Type: Capillary
 Stationary Phase: DB-624
 Sample Info: BFB
 Lab Sample ID: BFB
 1 bfb

Date: 23-SEP-2010 06:19
 Instrument: J.i
 Inj Vol: 1.0 (ul)
 Diameter: 0.53 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.29
75	30.00 - 80.00% of mass 95	51.92
96	5.00 - 9.00% of mass 95	6.55
173	Less than 2.00% of mass 174	0.45 (0.53)
174	50.00 - 120.00% of mass 95	85.16
175	5.00 - 9.00% of mass 174	6.53 (7.66)
176	95.00 - 101.00% of mass 174	83.57 (98.12)
177	5.00 - 9.00% of mass 176	5.22 (6.24)

Data File: jbm01.d
 Client ID: BFBJE
 Operator: JH2
 Column Type: Capillary
 Stationary Phase: DB-624
 Sample Info: BFB
 Lab Sample ID: BFB

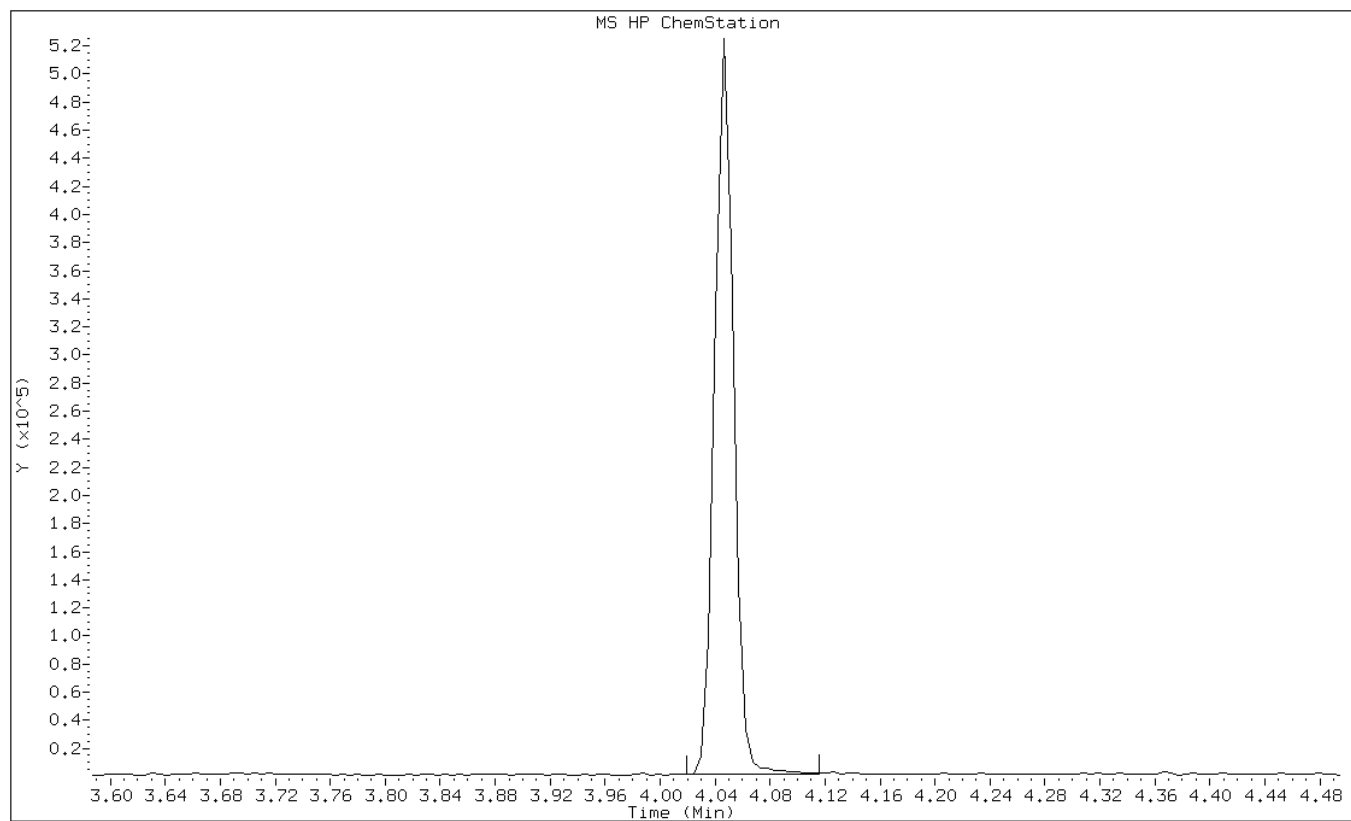
Date: 23-SEP-2010 06:19
 Instrument: J.i
 Inj Vol: 1.0 (ul)
 Diameter: 0.53 (mm)

Data File: /chem/J.i/Jsvr.p/jbmcsmttr.b/jbm01.d
 Spectrum: Avg. Scans 86-88 (4.05), Background Scan 81
 Location of Maximum: 95.00
 Number of points: 85

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	638	67.00	287	93.00	3582	142.00	78
37.00	3570	68.00	8000	94.00	10216	143.00	1033
38.00	3099	69.00	8910	95.00	83144	145.00	61
39.00	1340	70.00	766	96.00	5442	146.00	102
40.00	208	71.00	54	97.00	125	148.00	257
44.00	283	72.00	473	104.00	502	149.00	91
45.00	583	73.00	3889	106.00	400	150.00	53
47.00	773	74.00	14240	111.00	57	155.00	153
48.00	432	75.00	43168	115.00	58	157.00	216
49.00	3146	76.00	3169	116.00	431	159.00	135
50.00	14374	77.00	609	117.00	562	161.00	53
51.00	4387	78.00	414	118.00	416	172.00	240
52.00	214	79.00	2963	119.00	496	173.00	375
55.00	237	80.00	674	124.00	52	174.00	70808
56.00	1353	81.00	2864	128.00	369	175.00	5426
57.00	2310	82.00	615	129.00	109	176.00	69480
60.00	807	83.00	65	130.00	277	177.00	4339
61.00	3499	86.00	64	131.00	52	193.00	72
62.00	3761	87.00	3153	133.00	138	253.00	88
63.00	3175	88.00	3171	135.00	130		
64.00	307	91.00	517	137.00	154		
65.00	159	92.00	2505	141.00	1034		

Data File: jbm01.d
Client ID: BFBJE
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 23-SEP-2010 06:19
Instrument: J.i
Inj Vol: 1.0 (ul)
Diameter: 0.53 (mm)



TestAmerica Burlington

Data file : /chem/J.i/Jsvr.p/jbmdsmtr.b/jbmd01.d
Lab Smp Id: BFB Client Smp ID: BFBJF
Inj Date : 23-SEP-2010 15:14
Operator : JH2 Inst ID: J.i
Smp Info : 50NG BFB
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/bfbSOMTr.m
Meth Date : 01-Sep-2010 15:57 jh2 Quant Type: ESTD
Cal Date : 19-JUN-1997 11:30 Cal File: LKG001HV.d
Als bottle: 16 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr6

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

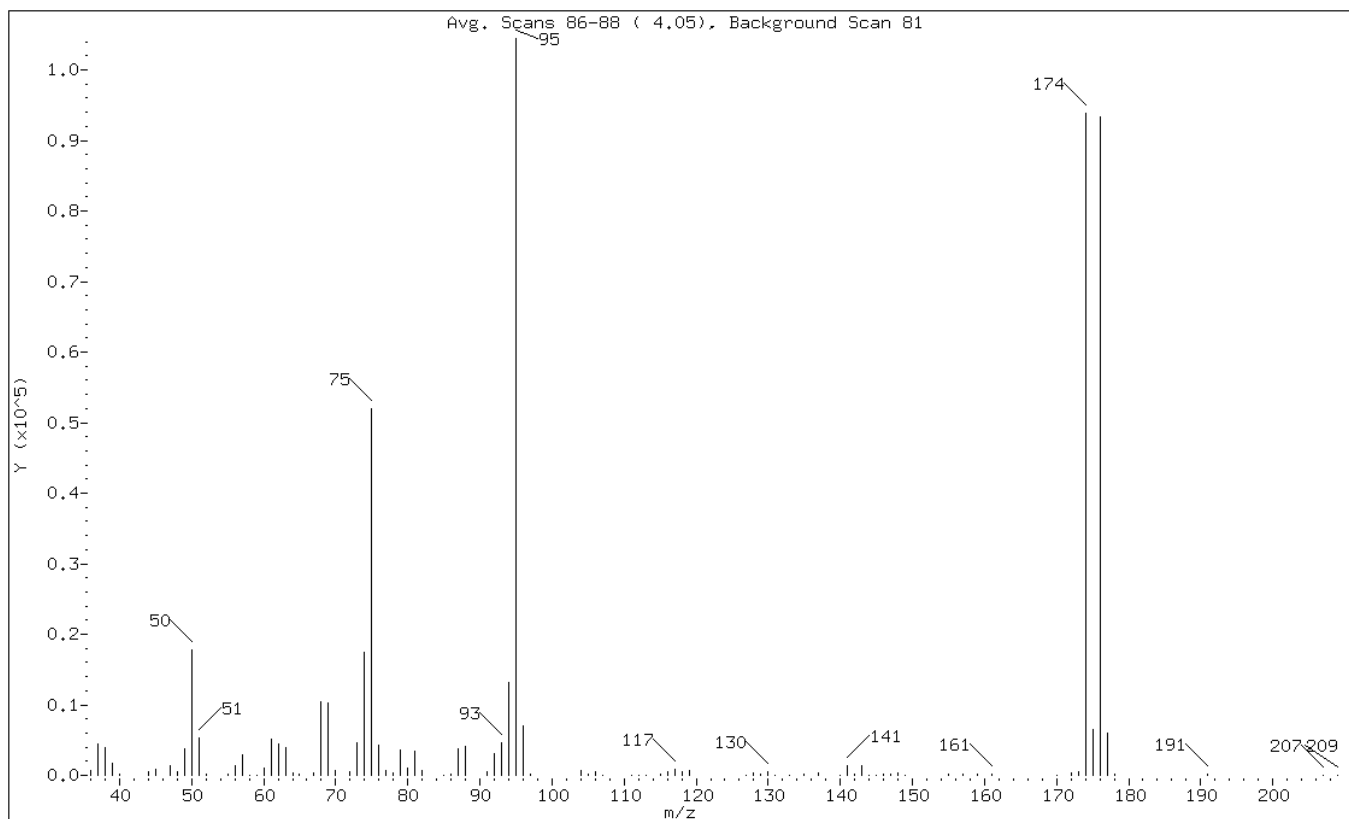
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
ON-COL FINAL									
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
\$	1	bfb					CAS #: 460-00-4		
4.046	4.100	-0.054	95	104456			100.00- 100.00	100.00	
4.046	4.100	-0.054	50	17719			15.00- 40.00	16.96	
4.046	4.100	-0.054	75	52032			30.00- 80.00	49.81	
4.046	4.100	-0.054	96	6943			5.00- 9.00	6.65	
4.046	4.100	-0.054	173	450			0.00- 2.00	0.48	
4.046	4.100	-0.054	174	93786			50.00- 120.00	89.79	
4.046	4.100	-0.054	175	6497			5.00- 9.00	6.93	
4.046	4.100	-0.054	176	93338			95.00- 101.00	99.52	
4.046	4.100	-0.054	177	6038			5.00- 9.00	6.47	

Data File: jbm01.d
 Client ID: BFBJF
 Operator: JH2
 Column Type: Capillary
 Stationary Phase: DB-624
 Sample Info: 50NG BFB
 Lab Sample ID: BFB
 1 bfb

Date: 23-SEP-2010 15:14
 Instrument: J.i
 Inj Vol: 1.0 (ul)
 Diameter: 0.53 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.96
75	30.00 - 80.00% of mass 95	49.81
96	5.00 - 9.00% of mass 95	6.65
173	Less than 2.00% of mass 174	0.43 (0.48)
174	50.00 - 120.00% of mass 95	89.79
175	5.00 - 9.00% of mass 174	6.22 (6.93)
176	95.00 - 101.00% of mass 174	89.36 (99.52)
177	5.00 - 9.00% of mass 176	5.78 (6.47)

Data File: jbm01.d
 Client ID: BFBJF
 Operator: JH2
 Column Type: Capillary
 Stationary Phase: DB-624
 Sample Info: 50NG BFB
 Lab Sample ID: BFB

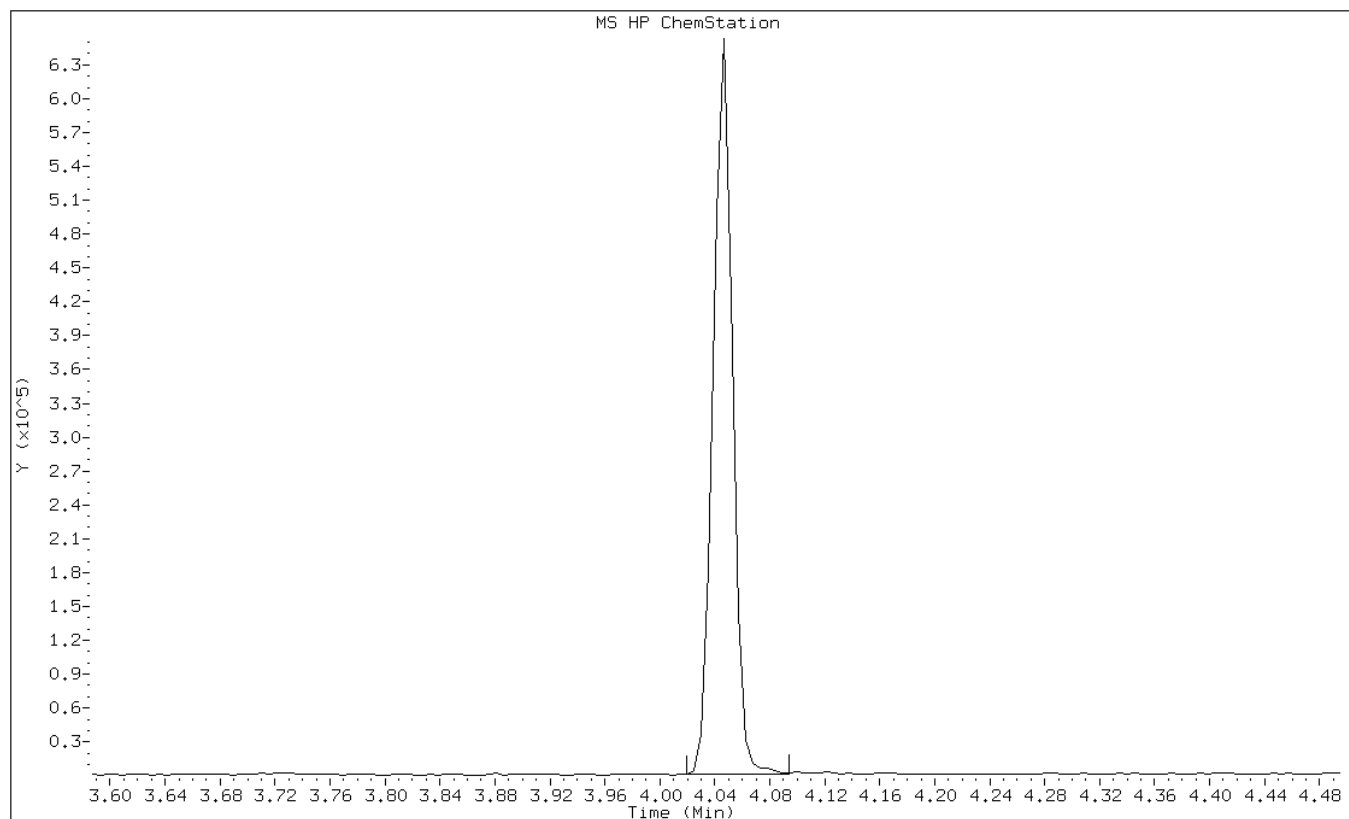
Date: 23-SEP-2010 15:14
 Instrument: J.i
 Inj Vol: 1.0 (ul)
 Diameter: 0.53 (mm)

Data File: /chem/J.i/Jsvr.p/jbm01.d
 Spectrum: Avg. Scans 86-88 (4.05), Background Scan 81
 Location of Maximum: 95.00
 Number of points: 95

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	757	67.00	319	96.00	6943	142.00	90
37.00	4492	68.00	10380	97.00	203	143.00	1320
38.00	3956	69.00	10307	104.00	640	144.00	66
39.00	1625	70.00	699	105.00	135	145.00	62
40.00	196	72.00	482	106.00	572	146.00	132
44.00	588	73.00	4695	107.00	58	147.00	97
45.00	839	74.00	17512	111.00	50	148.00	418
47.00	1324	75.00	52032	112.00	52	149.00	81
48.00	549	76.00	4276	113.00	55	155.00	230
49.00	3802	77.00	622	115.00	113	157.00	192
50.00	17712	78.00	317	116.00	475	159.00	109
51.00	5248	79.00	3650	117.00	849	161.00	243
52.00	250	80.00	1053	118.00	466	170.00	50
55.00	188	81.00	3488	119.00	680	172.00	364
56.00	1429	82.00	663	127.00	59	173.00	450
57.00	2858	85.00	51	128.00	400	174.00	93784
58.00	73	86.00	125	129.00	151	175.00	6497
59.00	63	87.00	3791	130.00	542	176.00	93336
60.00	1037	88.00	4039	131.00	70	177.00	6038
61.00	5130	91.00	453	133.00	58	178.00	118
62.00	4429	92.00	3101	135.00	231	191.00	128
63.00	3895	93.00	4684	137.00	288	207.00	57
64.00	327	94.00	13182	140.00	60	209.00	65
65.00	113	95.00	104456	141.00	1403		

Data File: jbmd01.d
Client ID: BFBJF
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 50NG BFB
Lab Sample ID: BFB

Date: 23-SEP-2010 15:14
Instrument: J.i
Inj Vol: 1.0 (ul)
Diameter: 0.53 (mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: _____ Lab Sample ID: MB 200-6993/5
 Matrix: Water Lab File ID: jbm05.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: _____
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 08:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: _____ Level: (low/med) Trace
 Analysis Batch No.: 6993 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.025
74-87-3	Chloromethane	0.50	U	0.50	0.097
75-01-4	Vinyl chloride	0.50	U	0.50	0.049
74-83-9	Bromomethane	0.50	U	0.50	0.050
75-00-3	Chloroethane	0.50	U	0.50	0.069
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.052
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.038
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.030
67-64-1	Acetone	2.1	J	5.0	0.93
75-15-0	Carbon disulfide	0.50	U	0.50	0.060
79-20-9	Methyl acetate	0.50	U	0.50	0.075
75-09-2	Methylene chloride	0.50	U	0.50	0.060
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.018
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.032
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.053
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.052
78-93-3	2-Butanone	5.0	U	5.0	0.61
74-97-5	Bromochloromethane	0.50	U	0.50	0.072
67-66-3	Chloroform	0.50	U	0.50	0.047
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.028
110-82-7	Cyclohexane	0.50	U	0.50	0.040
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.038
71-43-2	Benzene	0.50	U	0.50	0.030
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.057
79-01-6	Trichloroethene	0.50	U	0.50	0.054
108-87-2	Methylcyclohexane	0.50	U	0.50	0.049
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.053
75-27-4	Bromodichloromethane	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.036
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.36
108-88-3	Toluene	0.50	U	0.50	0.031
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.031
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.073
127-18-4	Tetrachloroethene	0.50	U	0.50	0.051
591-78-6	2-Hexanone	5.0	U	5.0	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: _____ Lab Sample ID: MB 200-6993/5
 Matrix: Water Lab File ID: jbmc05.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: _____
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 08:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: _____ Level: (low/med) Trace
 Analysis Batch No.: 6993 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.50	U	0.50	0.047
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.20
108-90-7	Chlorobenzene	0.50	U	0.50	0.039
100-41-4	Ethylbenzene	0.50	U	0.50	0.050
95-47-6	o-Xylene	0.50	U	0.50	0.041
179601-23-1	m,p-Xylene	0.50	U	0.50	0.033
100-42-5	Styrene	0.50	U	0.50	0.057
75-25-2	Bromoform	0.50	U	0.50	0.066
98-82-8	Isopropylbenzene	0.50	U	0.50	0.044
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.080
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.042
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.035
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.051
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.25
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.047
87-61-6	1,2,3-Trichlorobenzene	0.058	J	0.50	0.029

CAS NO.	SURROGATE	%REC	LIMITS	Q
6745-35-3	Vinyl chloride-d3	98	65-131	
19199-91-8	Chloroethane-d5	100	71-131	
22280-73-5	1,1-Dichloroethene-d2	78	55-104	
24313-50-6	2-Butanone-d5	100	49-155	
865-49-6	Chloroform-d	99	78-121	
17060-07-0	1,2-Dichloroethane-d4	106	78-129	
1076-43-3	Benzene-d6	103	77-124	
93952-08-0	1,2-Dichloropropane-d6	91	79-124	
2037-26-5	Toluene-d8	99	77-121	
93951-86-1	trans-1,3-Dichloropropene-d4	99	73-121	
4840-82-8	2-Hexanone-d5	98	28-135	
33685-54-0	1,1,2,2-Tetrachloroethane-d2	100	73-125	
2199-69-1	1,2-Dichlorobenzene-d4	101	80-131	

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: _____ Lab Sample ID: MB 200-6993/5
Matrix: Water Lab File ID: jbmc05.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: _____
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 08:03
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 6993 Units: ug/L
Number TICs Found: 3 TIC Result Total: 4.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	6.93	2.7	X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	1.0	J N
	Unknown siloxane derivative	10.72	0.90	J

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: _____ Lab Sample ID: MB 200-6993/5
Matrix: Water Lab File ID: jbmc05.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: _____
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 08:03
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 6993 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmcsmttr.b/jbmc05.d
 Lab Smp Id: MB Client Smp ID: VBLKJE
 Inj Date : 23-SEP-2010 08:03
 Operator : JH2 Inst ID: J.i
 Smp Info : MB
 Misc Info : 1,5
 Comment :
 Method : /chem/J.i/Jsvr.p/jbmcsmttr.b/somtr5t.m
 Meth Date : 24-Sep-2010 13:23 cmp Quant Type: ISTD
 Cal Date : 21-SEP-2010 17:24 Cal File: jbm08.d
 Als bottle: 19 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	1.557	1.562	(0.278)	250430	122.009	4.9
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	1.861	1.861	(0.333)	209380	124.488	5.0
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	2.475	2.481	(0.443)	317607	97.7701	3.9
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43	2.536	2.536	(0.454)	4142	52.4040	2.1
13 Carbon disulfide	76						
14 Methyl acetate	43						
15 Methylene chloride	84						

							CONCENTRATIONS			
		QUANT	SIG				ON-COLUMN	FINAL		
Compounds		MASS	RT	EXP	RT	REL	RT	RESPONSE	(ng)	(ug/L)
=====		=====	==	=====	=====	=====	=====	=====	=====	=====
	16 trans-1,2-Dichloroethene	96		Compound	Not	Detected.				
	17 Methyl tert-butyl ether	73		Compound	Not	Detected.				
	18 1,1-Dichloroethane	63		Compound	Not	Detected.				
\$	19 2-Butanone-d5	46	4.148	4.148	(0.742)		151894	1250.56		50
	20 cis-1,2-Dichloroethene	96		Compound	Not	Detected.				
	21 2-Butanone	43		Compound	Not	Detected.				
	22 Bromochloromethane	128		Compound	Not	Detected.				
\$	23 Chloroform-d	84	4.525	4.525	(0.810)		365339	124.134		5.0(Q)
	24 Chloroform	83		Compound	Not	Detected.				
	25 1,1,1-Trichloroethane	97		Compound	Not	Detected.				
	26 Cyclohexane	56		Compound	Not	Detected.				
	27 Carbon tetrachloride	117		Compound	Not	Detected.				
\$	28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.912)		124404	132.230		5.3
\$	29 Benzene-d6	84	5.109	5.109	(0.569)		851263	128.555		5.1
	30 Benzene	78		Compound	Not	Detected.				
	31 1,2-Dichloroethane	62		Compound	Not	Detected.				
*	32 1,4-Difluorobenzene	114	5.590	5.590	(1.000)		766765	125.000		
	33 Trichloroethene	95		Compound	Not	Detected.				
\$	34 1,2-Dichloropropane-d6	67	6.034	6.034	(0.672)		197956	113.353		4.5
	35 Methylcyclohexane	55		Compound	Not	Detected.				
	36 1,2-Dichloropropane	63		Compound	Not	Detected.				
	37 Bromodichloromethane	83		Compound	Not	Detected.				
	38 cis-1,3-Dichloropropene	75		Compound	Not	Detected.				
	39 4-Methyl-2-pentanone	43		Compound	Not	Detected.				
\$	40 Toluene-d8	98	7.275	7.275	(0.811)		802503	123.295		4.9
	41 Toluene	91		Compound	Not	Detected.				
\$	42 trans-1,3-Dichloropropene-d4	79	7.592	7.591	(0.846)		148822	123.375		4.9
	43 trans-1,3-Dichloropropene	75		Compound	Not	Detected.				
	44 1,1,2-Trichloroethane	97		Compound	Not	Detected.				
	45 Tetrachloroethene	163		Compound	Not	Detected.				
\$	46 2-Hexanone-d5	63	8.090	8.090	(0.902)		139483	1220.39		49
	47 2-Hexanone	43		Compound	Not	Detected.				
	48 Dibromochloromethane	129		Compound	Not	Detected.				
	49 1,2-Dibromoethane	107		Compound	Not	Detected.				
*	50 Chlorobenzene-d5	117	8.972	8.972	(1.000)		587158	125.000		
	51 Chlorobenzene	112		Compound	Not	Detected.				
	52 Ethylbenzene	91		Compound	Not	Detected.				
	53 m,p-Xylene	106		Compound	Not	Detected.				
	54 Styrene	104		Compound	Not	Detected.				
	55 o-Xylene	106		Compound	Not	Detected.				
	56 Bromoform	172		Compound	Not	Detected.				
	57 Isopropylbenzene	105		Compound	Not	Detected.				
\$	58 1,1,2,2-Tetrachloroethane-d2	84	10.566	10.560	(1.178)		68314	125.350		5.0
	59 1,1,2,2-Tetrachloroethane	83		Compound	Not	Detected.				
	60 1,3-Dichlorobenzene	146		Compound	Not	Detected.				
*	61 1,4-Dichlorobenzene-d4	152	11.801	11.801	(1.000)		253569	125.000		
	62 1,4-Dichlorobenzene	146		Compound	Not	Detected.				

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
=====	=====	==	=====	=====	=====	(ng)	(ug/L)
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.038)	177237	126.684	5.1
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	14.423	14.417	(1.222)	1296	1.45328	0.058

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmcsmttr.b/jbmc05.d
Lab Smp Id: MB Client Smp ID: VBLKJE
Inj Date : 23-SEP-2010 08:03
Operator : JH2 Inst ID: J.i
Smp Info : MB
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmcsmttr.b/somtr5t.m
Meth Date : 24-Sep-2010 13:23 cmp Quant Type: ISTD
Cal Date : 21-SEP-2010 17:24 Cal File: jbm08.d
Als bottle: 19 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

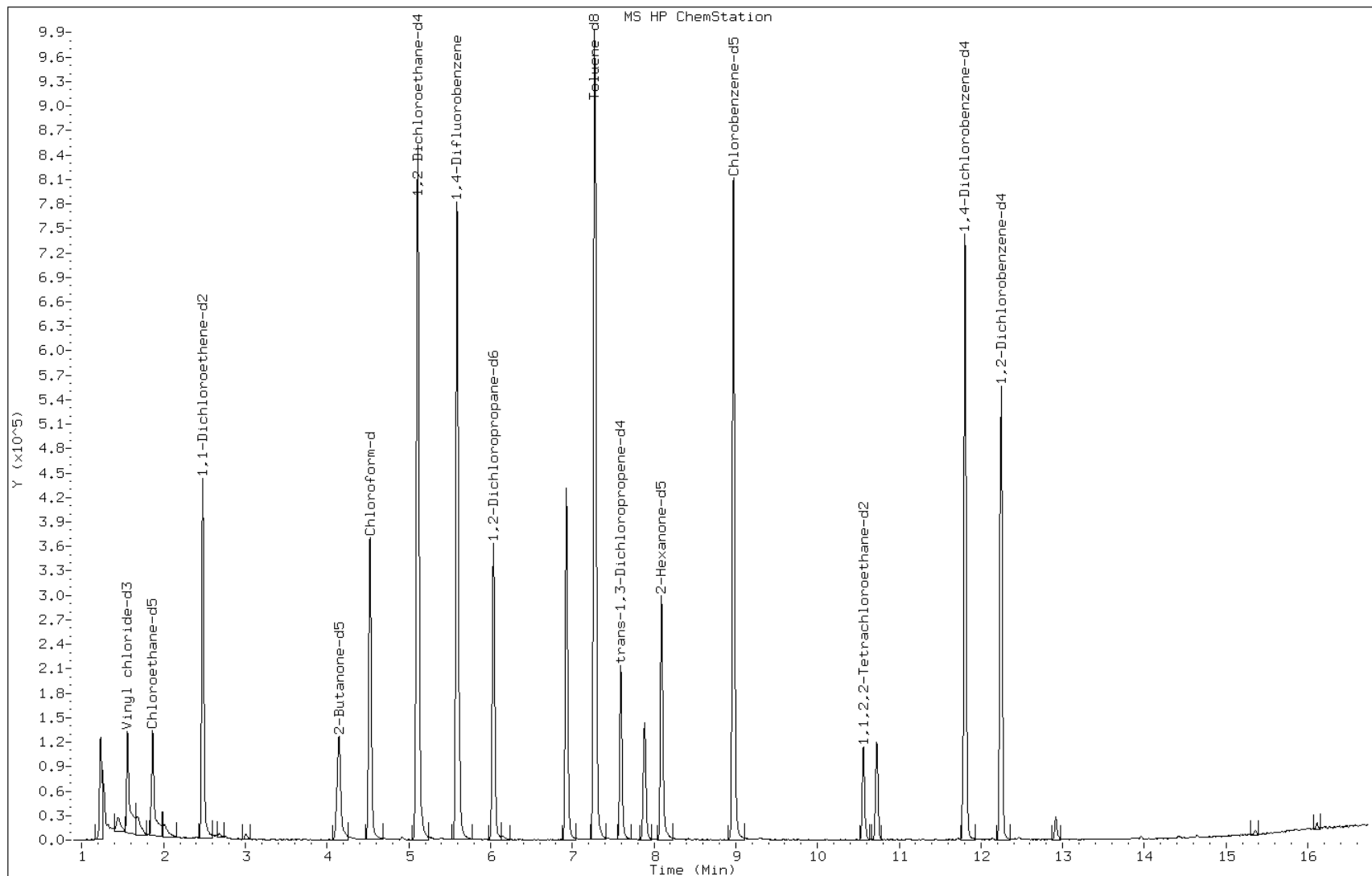
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.590	1696890	125.000
* 50 Chlorobenzene-d5	8.972	1685301	125.000
* 61 1,4-Dichlorobenzene-d4	11.801	1459370	125.000

RT	AREA	CONCENTRATIONS		QUAL	LIBRARY	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)			LIB ENTRY		
=====	=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:			
6.928	903300	66.5408367	2.7	0		0		32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.884	342040	25.3693458	1.0	91	NIST05.l	73123	50
Unknown siloxane derivative					CAS #:		
10.725	263926	22.6061933	0.90	0		0	61

Data File: jbm05.d
Client ID: VBLKJE
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: MB
Lab Sample ID: MB

Date: 23-SEP-2010 08:03
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



Data File: jbm05.d

Lab Sample ID: MB

Client ID: VBLKJE

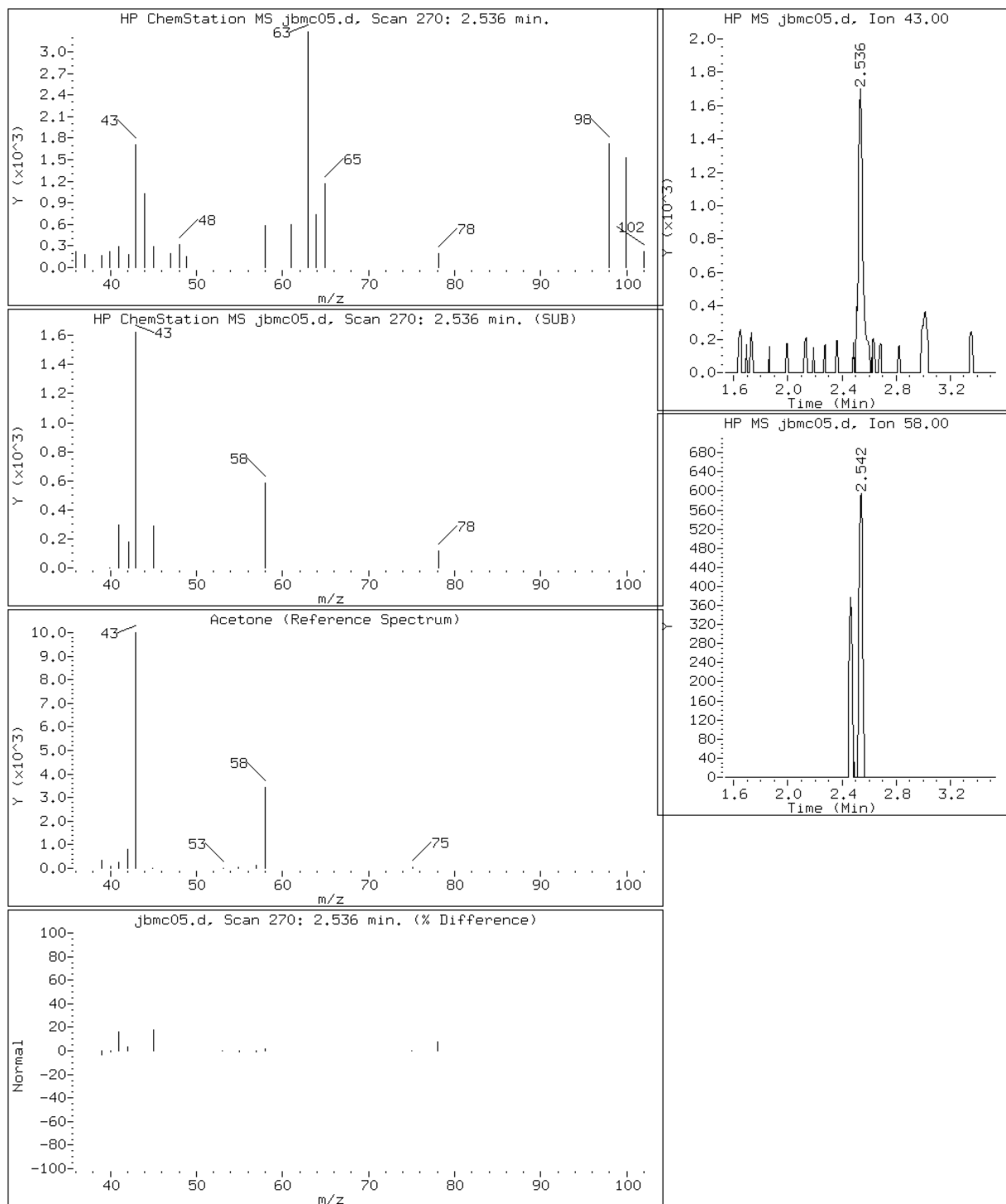
Sample Info: MB

Date: 23-SEP-2010 08:03

Instrument: J.i

Operator: JH2

12 Acetone



Data File: jbm05.d

Lab Sample ID: MB

Date: 23-SEP-2010 08:03

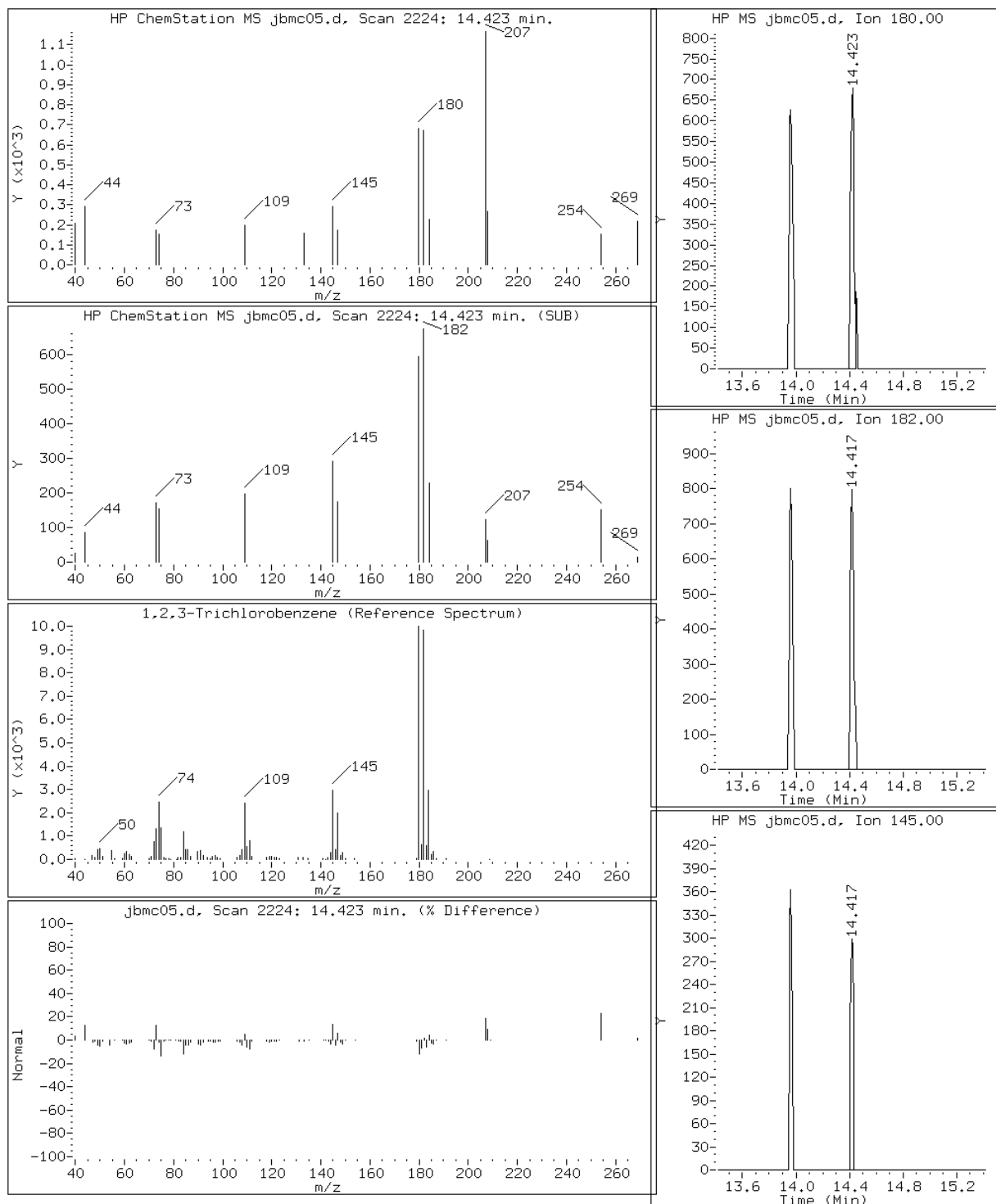
Client ID: VBLKJE

Instrument: J.i

Sample Info: MB

Operator: JH2

67 1,2,3-Trichlorobenzene



Data File: jbm05.d

Lab Sample ID: MB

Client ID: VBLKJE

Sample Info: MB

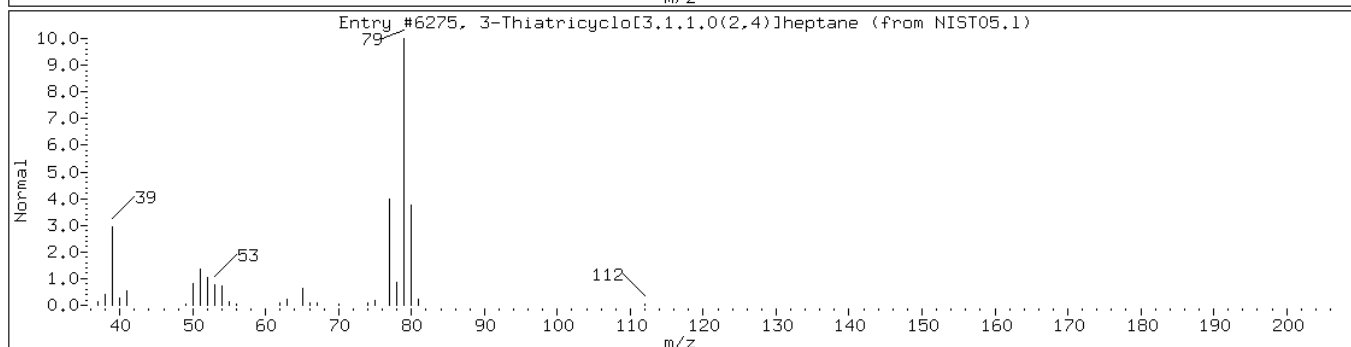
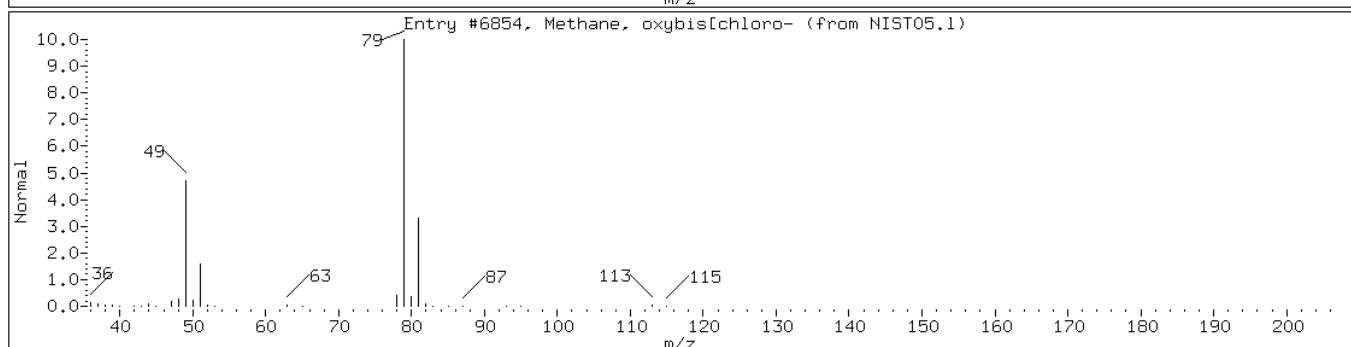
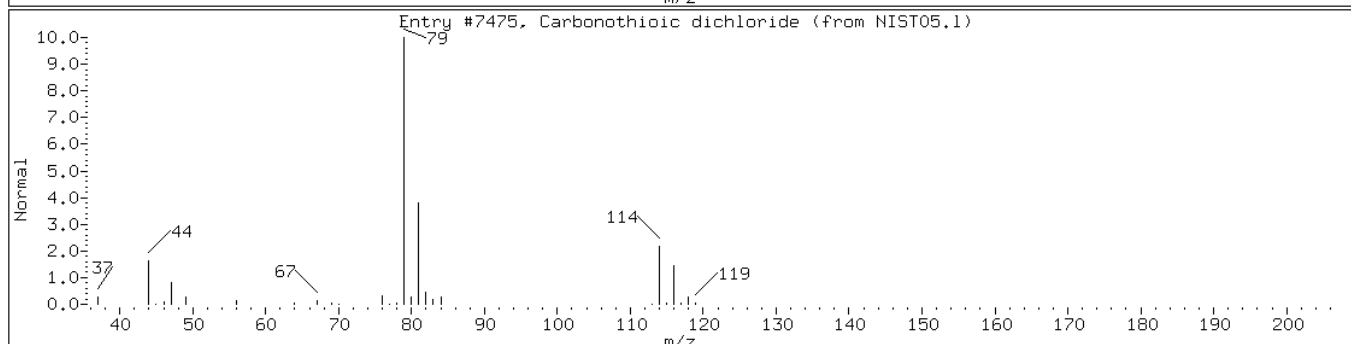
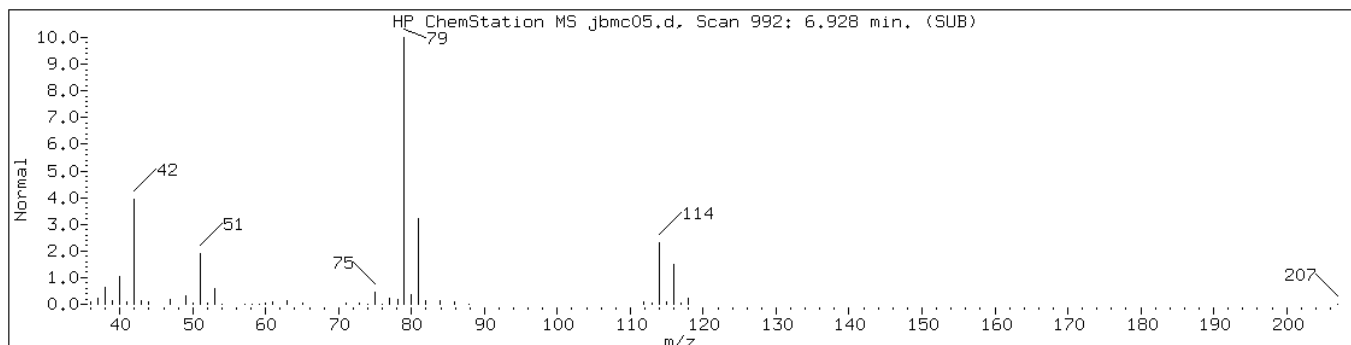
Date: 23-SEP-2010 08:03

Instrument: J.i

Operator: JH2

Retention Time: 6.93

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.1	6275	37	C6H8S	112



Data File: jbm05.d

Lab Sample ID: MB

Client ID: VBLKJE

Sample Info: MB

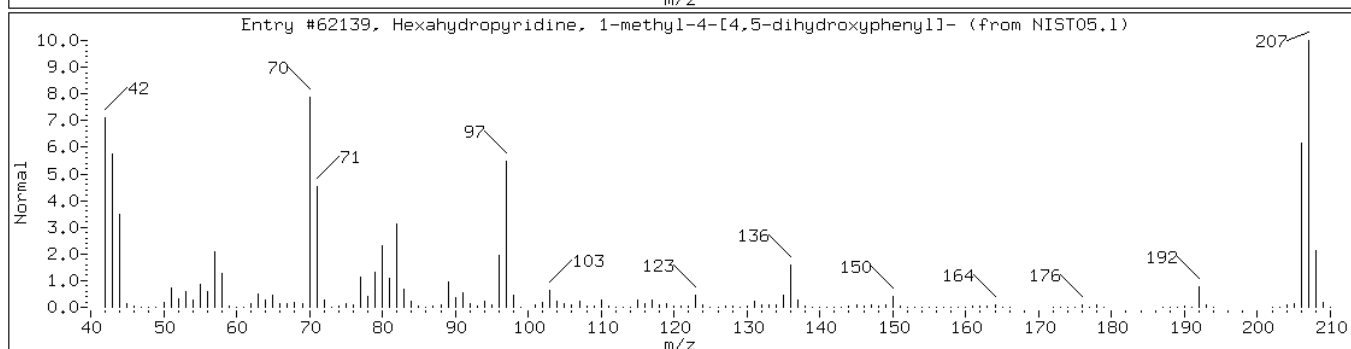
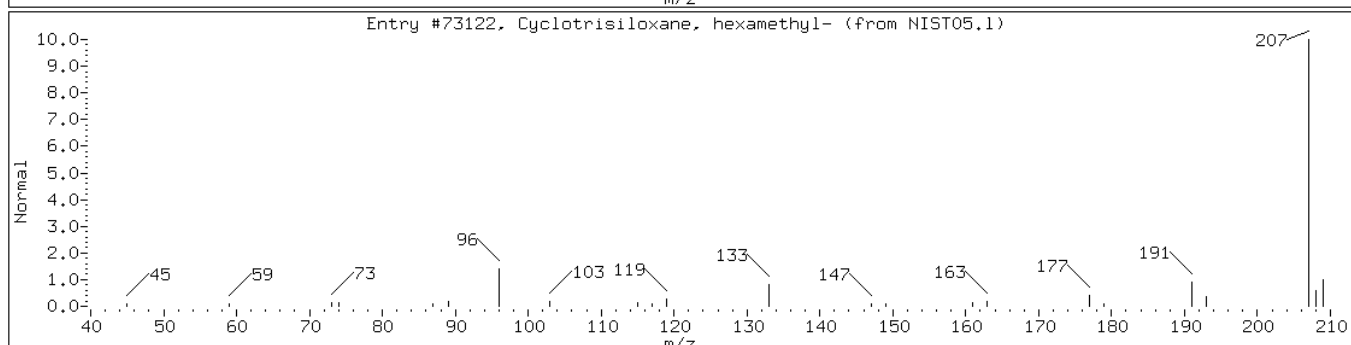
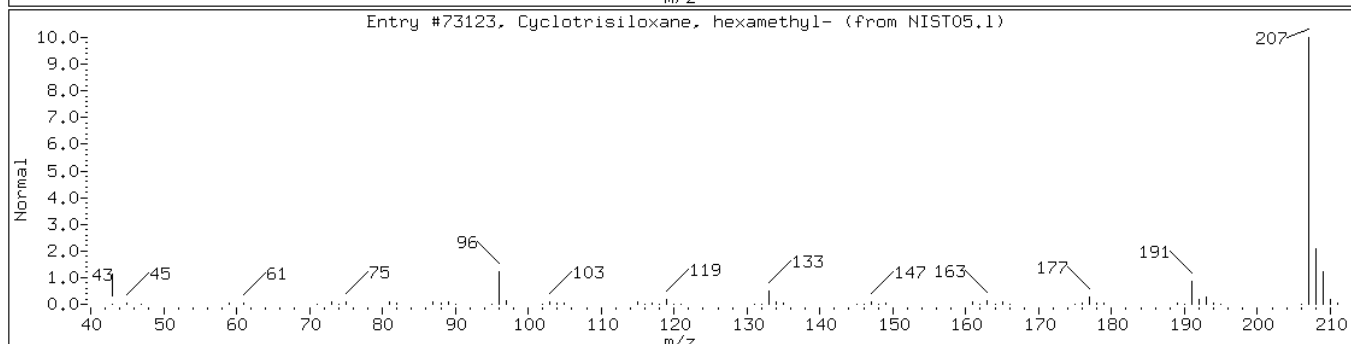
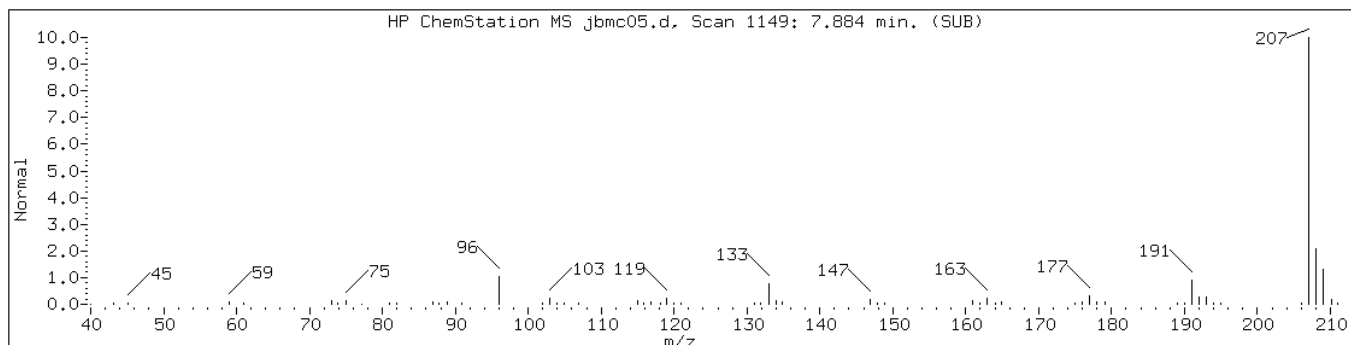
Date: 23-SEP-2010 08:03

Instrument: J.i

Operator: JH2

Retention Time: 7.88

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	91	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	72	C ₆ H ₁₈ O ₃ Si ₃	222
Hexahydropyridine, 1-methyl-4-[4,5	94427-47-1	NIST05.1	62139	53	C ₁₂ H ₁₇ N ₀₂	207



Data File: jbm05.d

Lab Sample ID: MB

Client ID: VBLKJE

Sample Info: MB

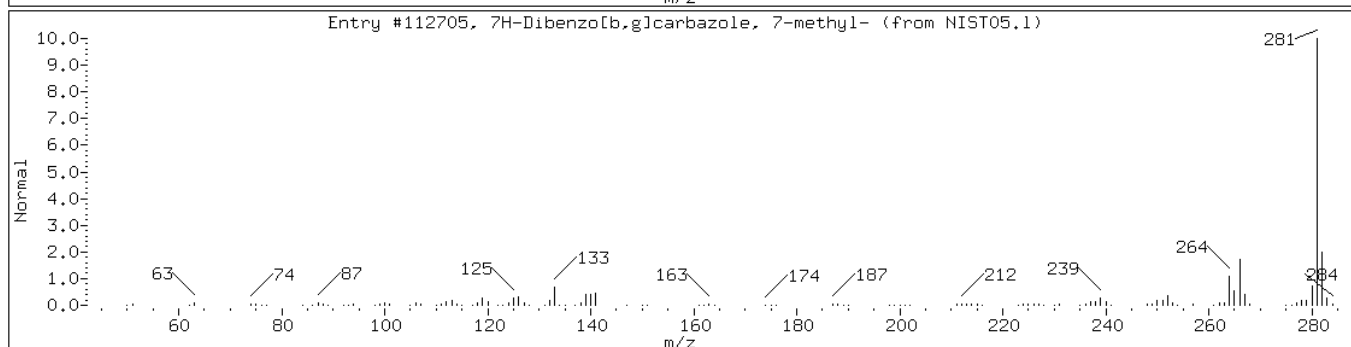
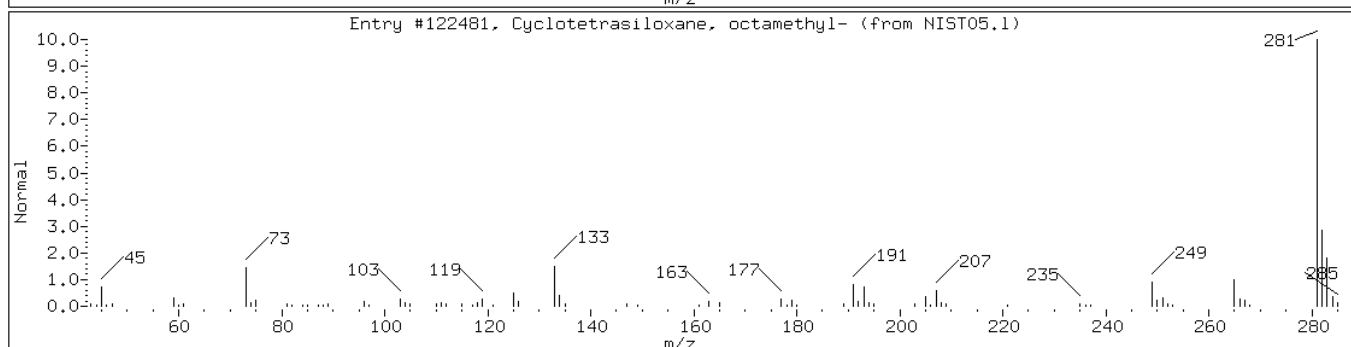
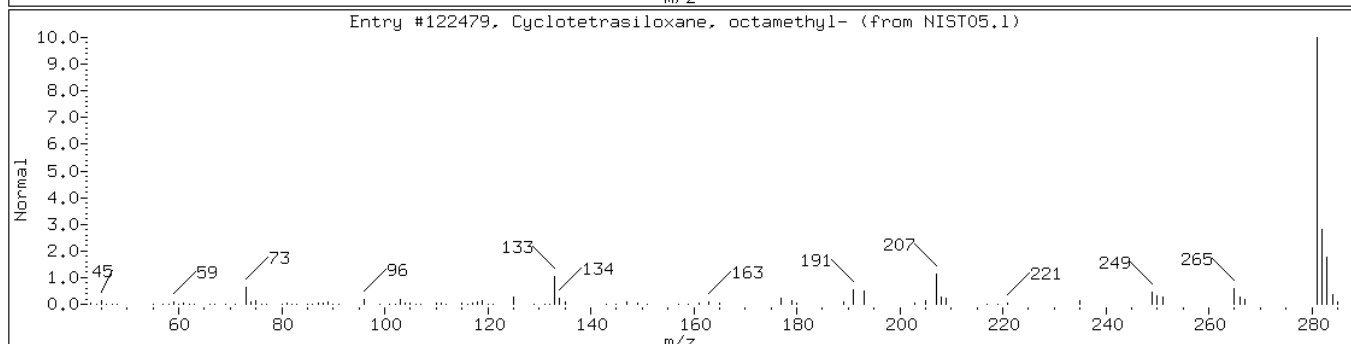
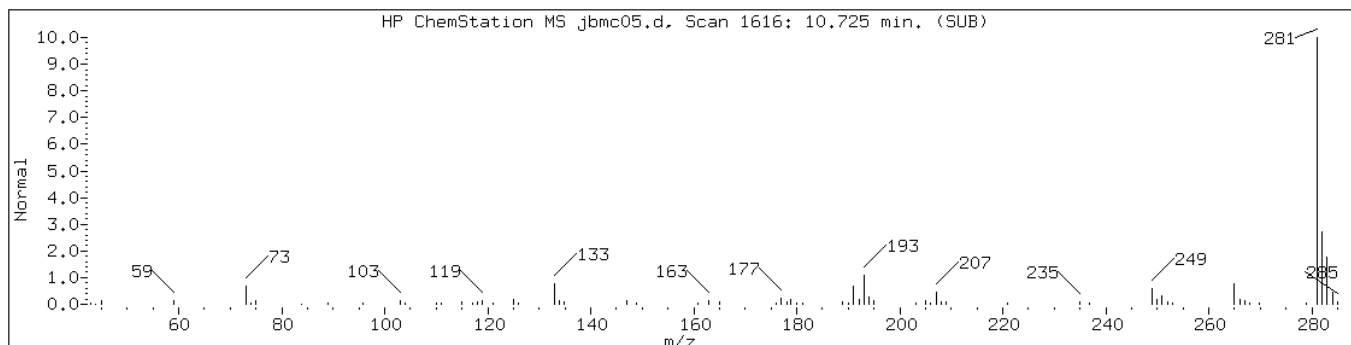
Date: 23-SEP-2010 08:03

Instrument: J.i

Operator: JH2

Retention Time: 10.72

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	86	C ₈ H ₂₄ O ₄ Si ₄	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122481	78	C ₈ H ₂₄ O ₄ Si ₄	296
7H-Dibenzo[b,g]carbazole, 7-methyl	3557-49-1	NIST05.1	112705	59	C ₂₁ H ₁₅ N	281



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: _____ Lab Sample ID: MB 200-7052/4
 Matrix: Water Lab File ID: jbrmd04.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: _____
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 16:22
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: _____ Level: (low/med) Trace
 Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.025
74-87-3	Chloromethane	0.50	U	0.50	0.097
75-01-4	Vinyl chloride	0.50	U	0.50	0.049
74-83-9	Bromomethane	0.50	U	0.50	0.050
75-00-3	Chloroethane	0.50	U	0.50	0.069
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.052
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.038
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.030
67-64-1	Acetone	3.0	J	5.0	0.93
75-15-0	Carbon disulfide	0.50	U	0.50	0.060
79-20-9	Methyl acetate	0.50	U	0.50	0.075
75-09-2	Methylene chloride	0.50	U	0.50	0.060
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.018
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.032
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.053
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.052
78-93-3	2-Butanone	5.0	U	5.0	0.61
74-97-5	Bromochloromethane	0.50	U	0.50	0.072
67-66-3	Chloroform	0.50	U	0.50	0.047
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.028
110-82-7	Cyclohexane	0.50	U	0.50	0.040
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.038
71-43-2	Benzene	0.50	U	0.50	0.030
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.057
79-01-6	Trichloroethene	0.50	U	0.50	0.054
108-87-2	Methylcyclohexane	0.50	U	0.50	0.049
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.053
75-27-4	Bromodichloromethane	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.036
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.36
108-88-3	Toluene	0.50	U	0.50	0.031
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.031
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.073
127-18-4	Tetrachloroethene	0.50	U	0.50	0.051
591-78-6	2-Hexanone	5.0	U	5.0	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Client Sample ID: _____ Lab Sample ID: MB 200-7052/4
 Matrix: Water Lab File ID: jbmd04.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: _____
 Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 16:22
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: _____ Level: (low/med) Trace
 Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.50	U	0.50	0.047
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.20
108-90-7	Chlorobenzene	0.50	U	0.50	0.039
100-41-4	Ethylbenzene	0.50	U	0.50	0.050
95-47-6	o-Xylene	0.50	U	0.50	0.041
179601-23-1	m,p-Xylene	0.50	U	0.50	0.033
100-42-5	Styrene	0.50	U	0.50	0.057
75-25-2	Bromoform	0.50	U	0.50	0.066
98-82-8	Isopropylbenzene	0.50	U	0.50	0.044
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.080
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.042
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.035
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.051
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.25
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.047
87-61-6	1,2,3-Trichlorobenzene	0.066	J	0.50	0.029

CAS NO.	SURROGATE	%REC	LIMITS	Q
6745-35-3	Vinyl chloride-d3	101	65-131	
19199-91-8	Chloroethane-d5	101	71-131	
22280-73-5	1,1-Dichloroethene-d2	77	55-104	
24313-50-6	2-Butanone-d5	103	49-155	
865-49-6	Chloroform-d	102	78-121	
17060-07-0	1,2-Dichloroethane-d4	108	78-129	
1076-43-3	Benzene-d6	105	77-124	
93952-08-0	1,2-Dichloropropane-d6	93	79-124	
2037-26-5	Toluene-d8	102	77-121	
93951-86-1	trans-1,3-Dichloropropene-d4	105	73-121	
4840-82-8	2-Hexanone-d5	102	28-135	
33685-54-0	1,1,2,2-Tetrachloroethane-d2	104	73-125	
2199-69-1	1,2-Dichlorobenzene-d4	108	80-131	

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: _____ Lab Sample ID: MB 200-7052/4
Matrix: Water Lab File ID: jbmd04.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: _____
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 16:22
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 7052 Units: ug/L
Number TICs Found: 4 TIC Result Total: 7.66

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	1.68	0.66	J
	Unknown	6.93	2.8	X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.88	1.9	J N
	Unknown siloxane derivative	10.72	2.3	J

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

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Client Sample ID: _____ Lab Sample ID: MB 200-7052/4
Matrix: Water Lab File ID: jbmd04.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: _____
Sample wt/vol: 25 (mL) Date Analyzed: 09/23/2010 16:22
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 7052 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmdsmtr.b/jbmd04.d
 Lab Smp Id: MB Client Smp ID: VBLKJF
 Inj Date : 23-SEP-2010 16:22
 Operator : JH2 Inst ID: J.i
 Smp Info : MB
 Misc Info : 1,5
 Comment :
 Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
 Meth Date : 23-Sep-2010 15:46 jh2 Quant Type: ISTD
 Cal Date : 21-SEP-2010 17:24 Cal File: jbm08.d
 Als bottle: 18 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85					Compound Not Detected.		
2 Chloromethane	50					Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65		1.557	1.563	(0.278)	256729	126.643	5.1
4 Vinyl chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chloroethane-d5	69		1.861	1.867	(0.333)	208937	125.779	5.0
7 Chloroethane	64					Compound Not Detected.		
8 Trichlorofluoromethane	101					Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63		2.475	2.481	(0.443)	308314	96.0973	3.8(Q)
10 1,1-Dichloroethene	96					Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.		
12 Acetone	43		2.536	2.536	(0.454)	5873	75.2343	3.0
13 Carbon disulfide	76					Compound Not Detected.		
14 Methyl acetate	43					Compound Not Detected.		
15 Methylene chloride	84					Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96				Compound Not Detected.		
17 Methyl tert-butyl ether	73				Compound Not Detected.		
18 1,1-Dichloroethane	63				Compound Not Detected.		
\$ 19 2-Butanone-d5	46	4.148	4.148	(0.742)	155099	1292.93	52
20 cis-1,2-Dichloroethene	96				Compound Not Detected.		
21 2-Butanone	43				Compound Not Detected.		
22 Bromochloromethane	128				Compound Not Detected.		
\$ 23 Chloroform-d	84	4.525	4.525	(0.810)	371057	127.655	5.1(Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.912)	125799	135.386	5.4
\$ 29 Benzene-d6	84	5.109	5.109	(0.569)	848292	131.132	5.2
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	5.590	5.590	(1.000)	757287	125.000	
33 Trichloroethene	95				Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.040	(0.672)	199046	116.669	4.7
35 Methylcyclohexane	55				Compound Not Detected.		
36 1,2-Dichloropropane	63				Compound Not Detected.		
37 Bromodichloromethane	83				Compound Not Detected.		
38 cis-1,3-Dichloropropene	75				Compound Not Detected.		
39 4-Methyl-2-pentanone	43				Compound Not Detected.		
\$ 40 Toluene-d8	98	7.275	7.275	(0.811)	814134	128.035	5.1
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)	153997	130.680	5.2
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	163				Compound Not Detected.		
\$ 46 2-Hexanone-d5	63	8.090	8.090	(0.902)	142041	1272.12	51
47 2-Hexanone	43				Compound Not Detected.		
48 Dibromochloromethane	129				Compound Not Detected.		
49 1,2-Dibromoethane	107				Compound Not Detected.		
* 50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	573613	125.000	
51 Chlorobenzene	112				Compound Not Detected.		
52 Ethylbenzene	91				Compound Not Detected.		
53 m,p-Xylene	106				Compound Not Detected.		
54 Styrene	104				Compound Not Detected.		
55 o-Xylene	106				Compound Not Detected.		
56 Bromoform	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.566	10.560	(1.178)	69534	130.601	5.2
59 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
60 1,3-Dichlorobenzene	146				Compound Not Detected.		
* 61 1,4-Dichlorobenzene-d4	152	11.801	11.807	(1.000)	247010	125.000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.038)	183415	134.581	5.4(Q)
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	14.417	14.417	(1.222)	1440	1.65764	0.066

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmdsmtr.b/jbmd04.d
Lab Smp Id: MB Client Smp ID: VBLKJF
Inj Date : 23-SEP-2010 16:22
Operator : JH2 Inst ID: J.i
Smp Info : MB
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 23-Sep-2010 15:46 jh2 Quant Type: ISTD
Cal Date : 21-SEP-2010 17:24 Cal File: jbm08.d
Als bottle: 18 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

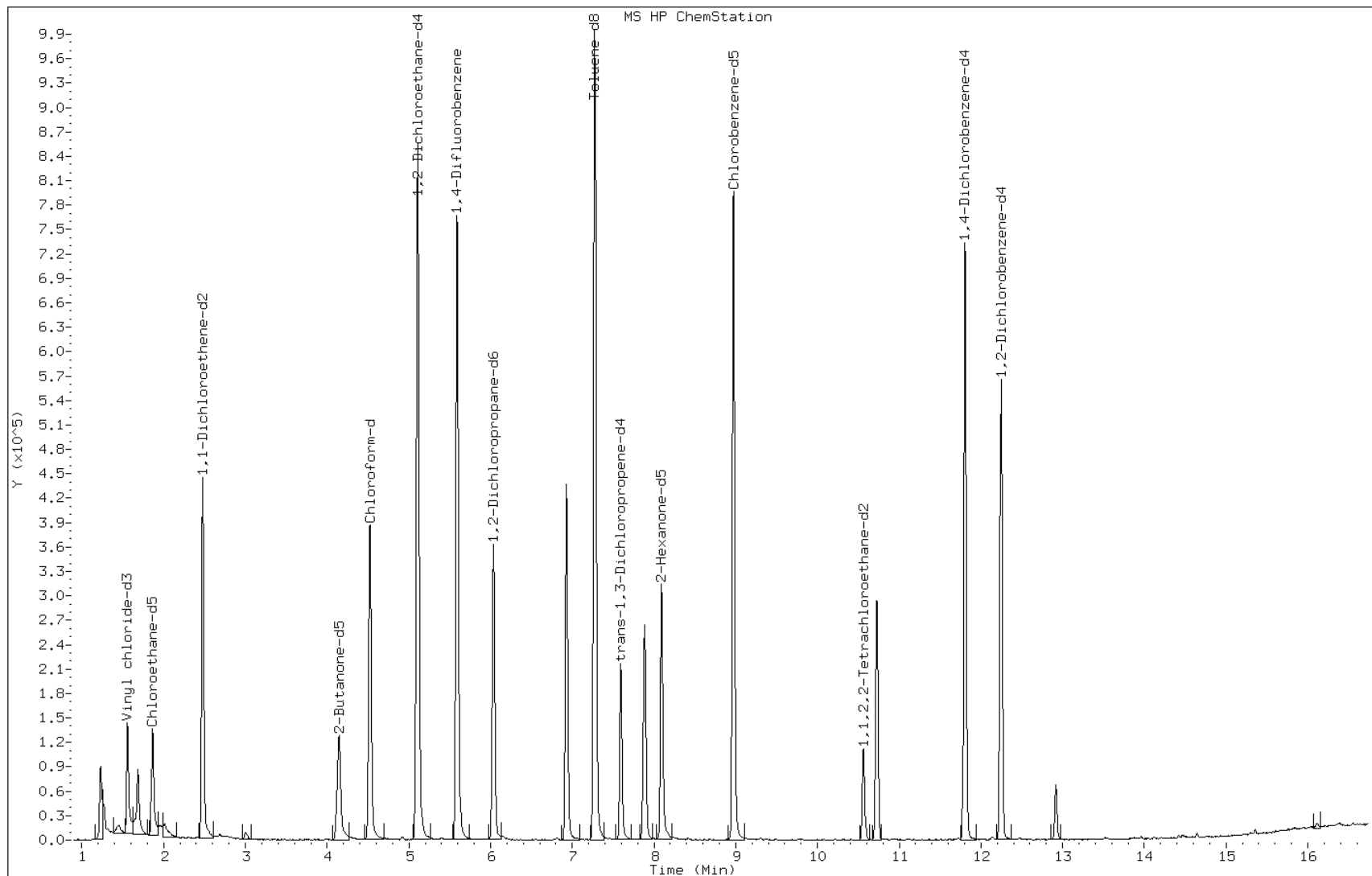
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.590	1670690	125.000
* 50 Chlorobenzene-d5	8.972	1653488	125.000
* 61 1,4-Dichlorobenzene-d4	11.801	1437533	125.000

RT	AREA	CONCENTRATIONS		QUAL	LIBRARY	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)			LIB ENTRY		
=====	=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:			
1.684	219862	16.4499146	0.66	0		0		32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
6.928	919396	68.7885809	2.8	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.883	634312	47.9525427	1.9	91	NIST05.l	73121	50
Unknown siloxane derivative					CAS #:		
10.724	651569	56.6568186	2.3	0		0	61

Data File: jbm04.d
Client ID: VBLKJF
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: MB
Lab Sample ID: MB

Date: 23-SEP-2010 16:22
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



Data File: jbm04.d

Lab Sample ID: MB

Date: 23-SEP-2010 16:22

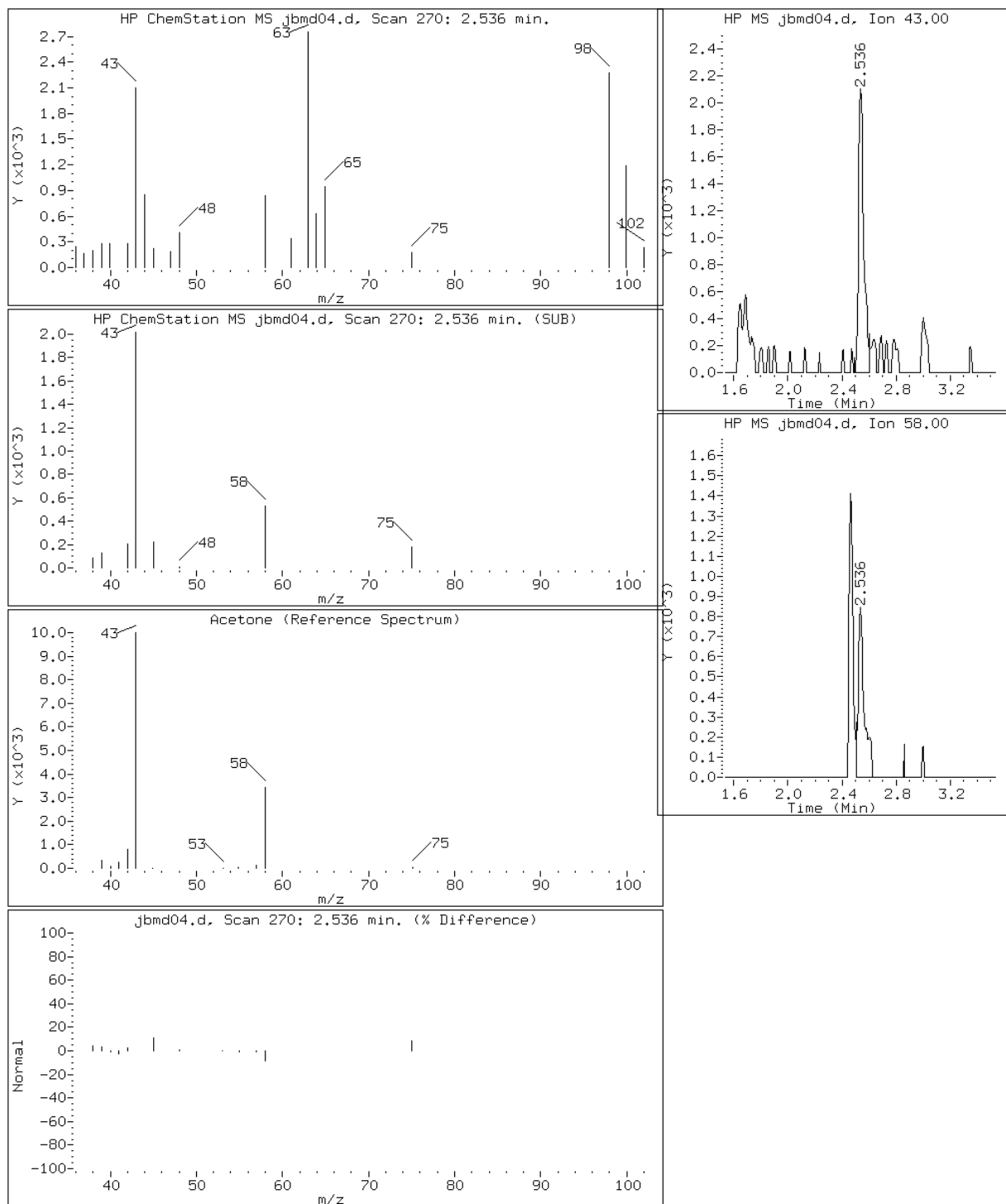
Client ID: VBLKJF

Instrument: J.i

Sample Info: MB

Operator: JH2

12 Acetone



Data File: jbm04.d

Lab Sample ID: MB

Date: 23-SEP-2010 16:22

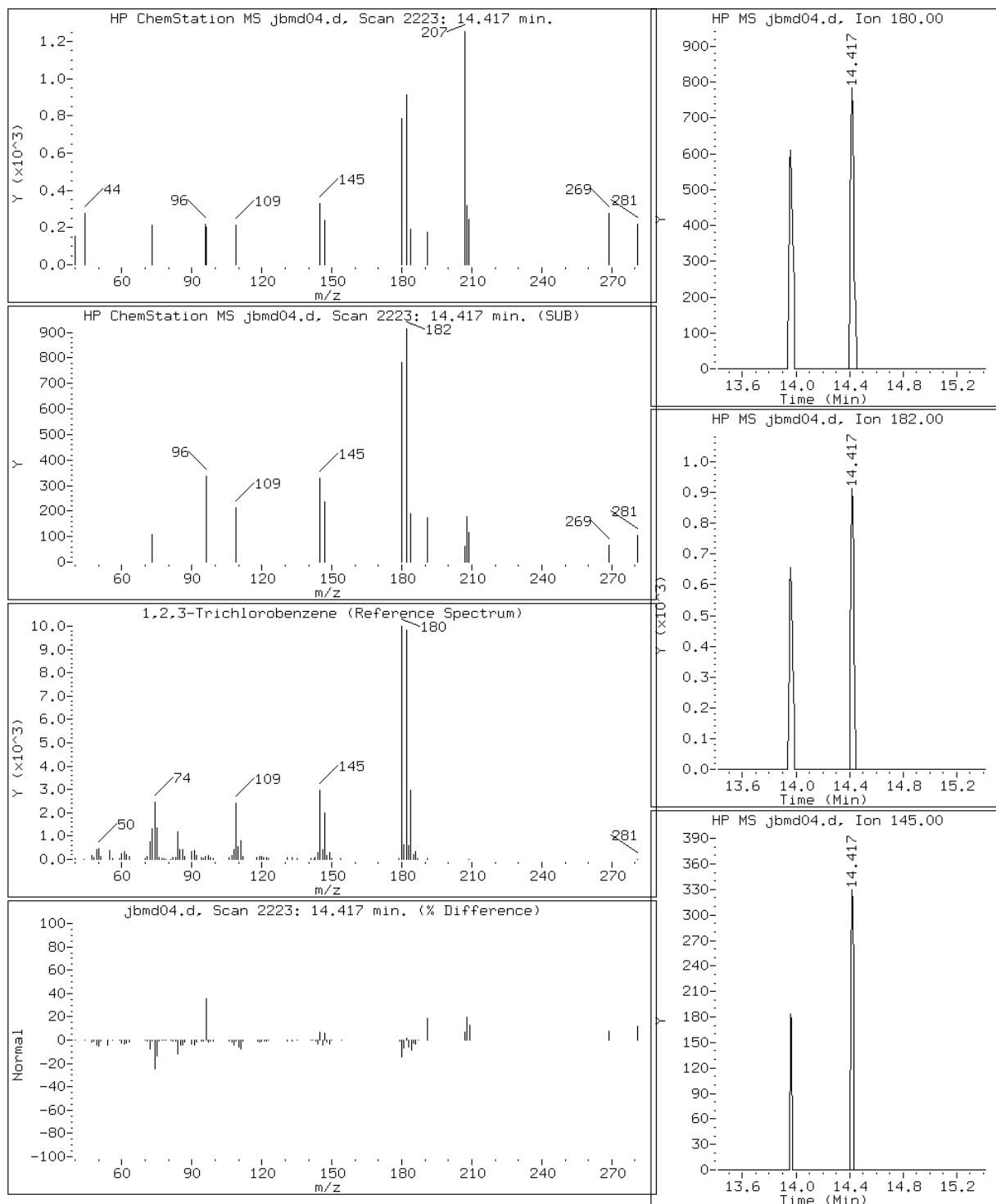
Client ID: VBLKJF

Instrument: J.i

Sample Info: MB

Operator: JH2

67 1,2,3-Trichlorobenzene



Data File: jbm04.d

Lab Sample ID: MB

Client ID: VBLKJF

Sample Info: MB

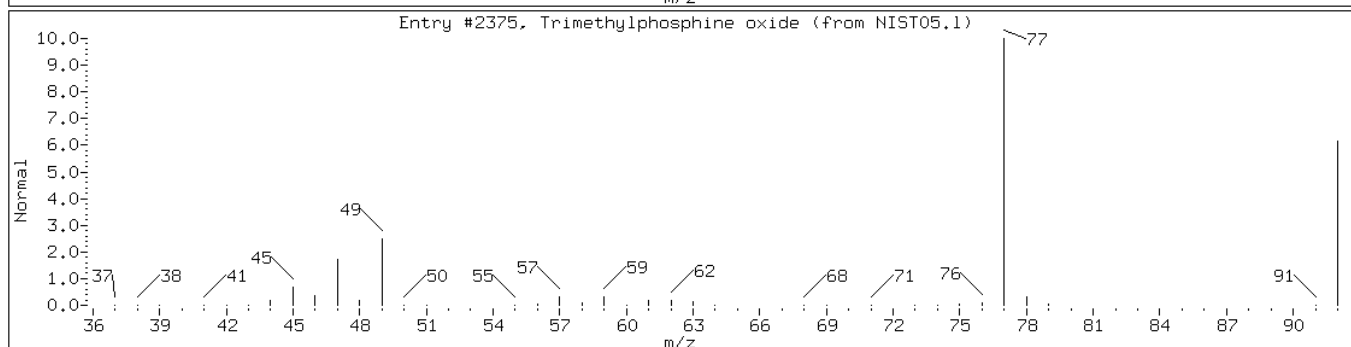
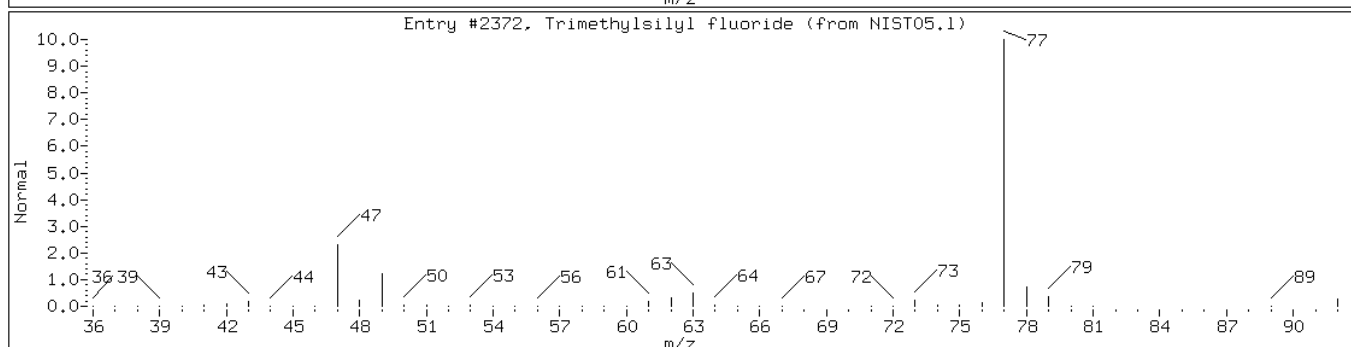
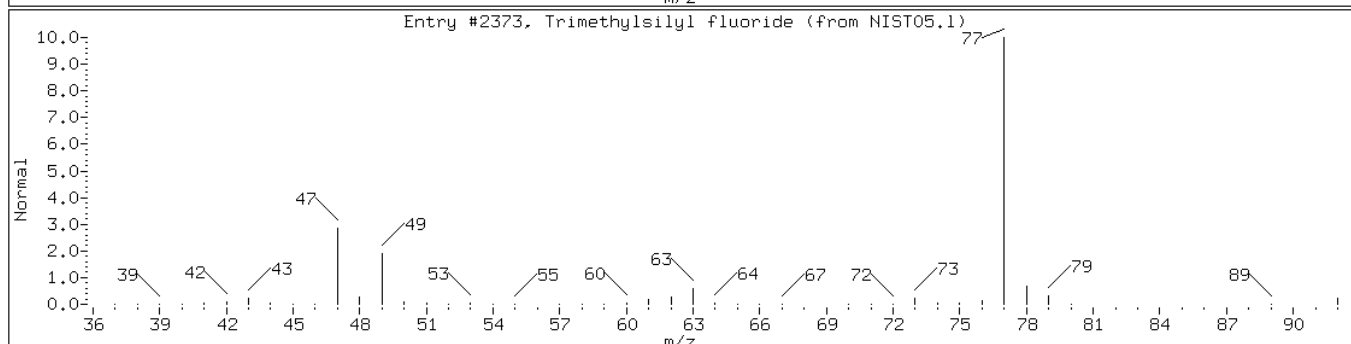
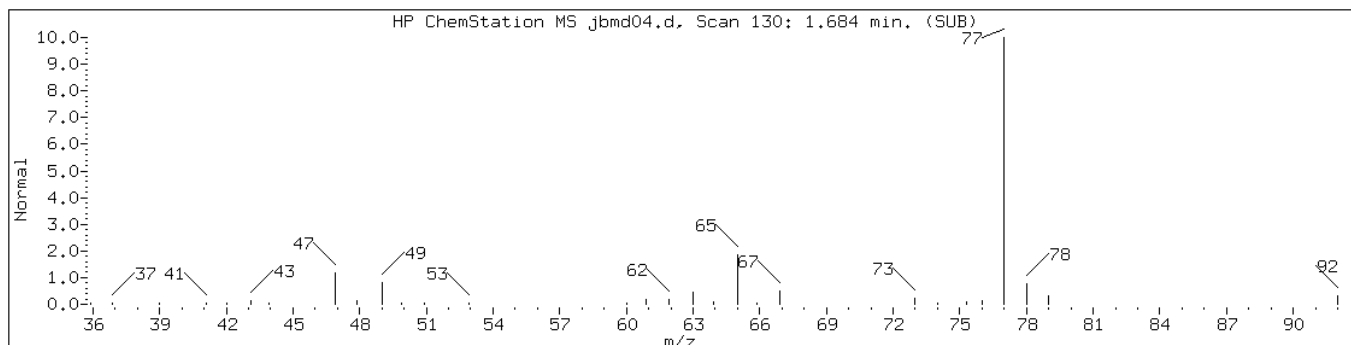
Date: 23-SEP-2010 16:22

Instrument: J.i

Operator: JH2

Retention Time: 1.68

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	83	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	43	C3H9FSi	92
Trimethylphosphine oxide	676-96-0	NIST05.1	2375	38	C3H9OP	92



Data File: jbm04.d

Lab Sample ID: MB

Client ID: VBLKJF

Sample Info: MB

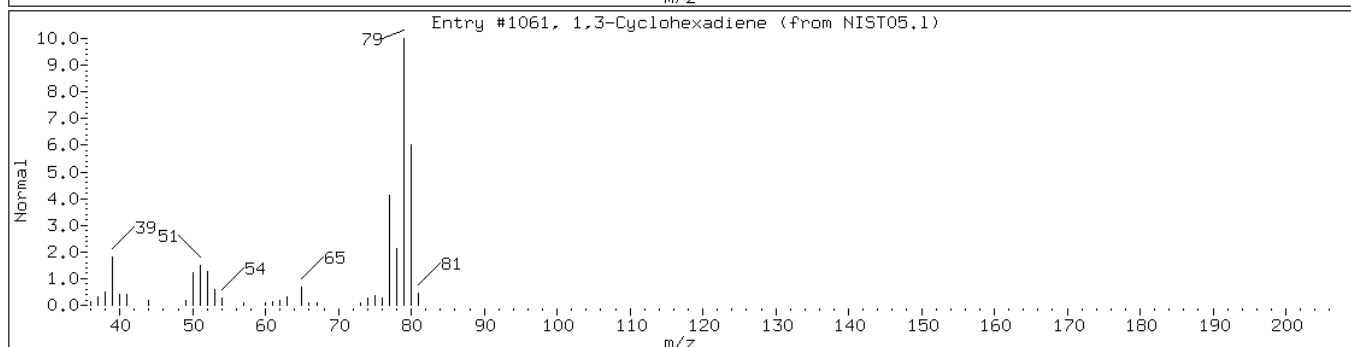
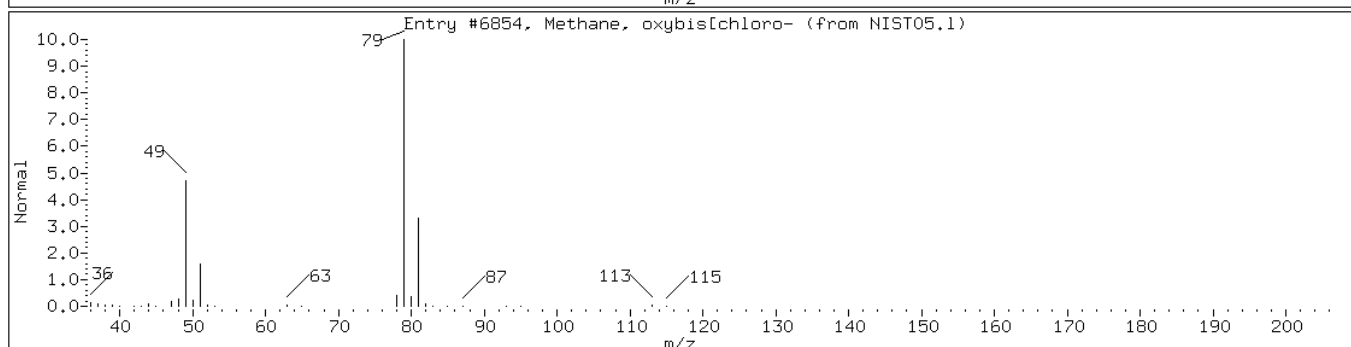
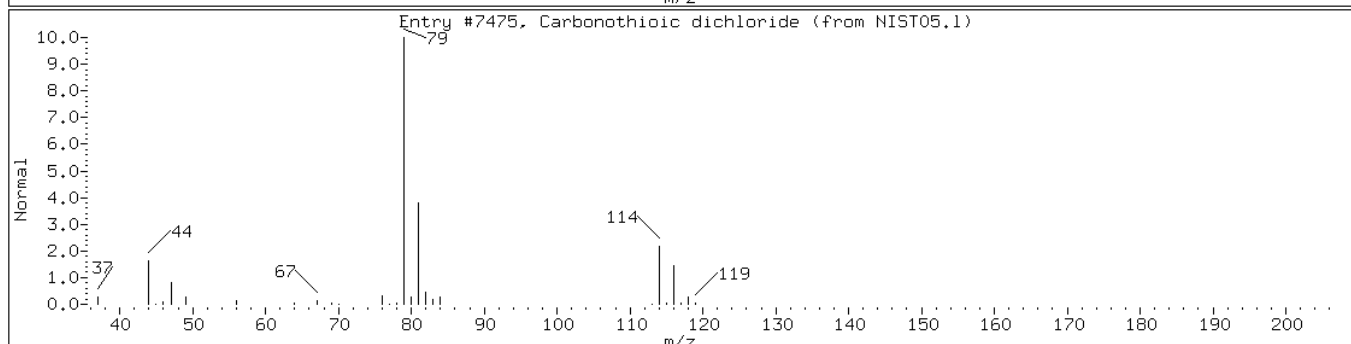
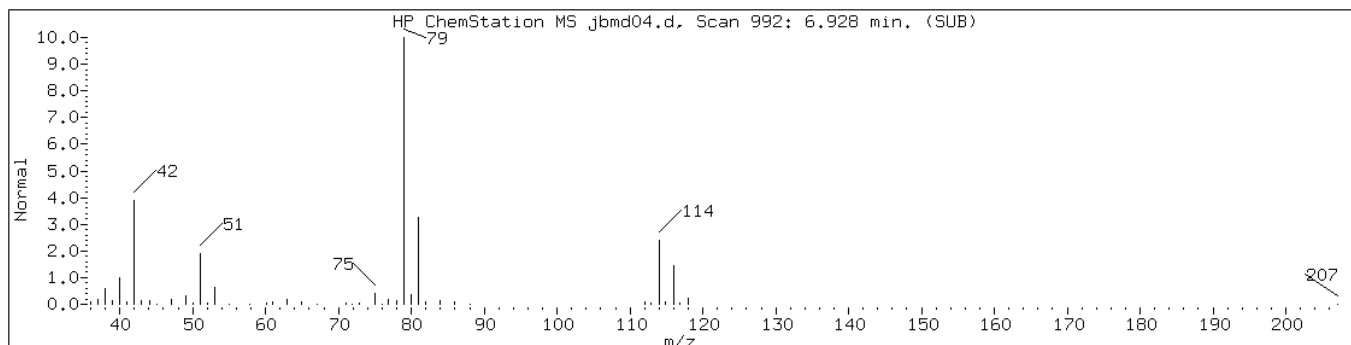
Date: 23-SEP-2010 16:22

Instrument: J.i

Operator: JH2

Retention Time: 6.93

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	50	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	C6H8	80



Data File: jbmd04.d

Lab Sample ID: MB

Client ID: VBLKJF

Sample Info: MB

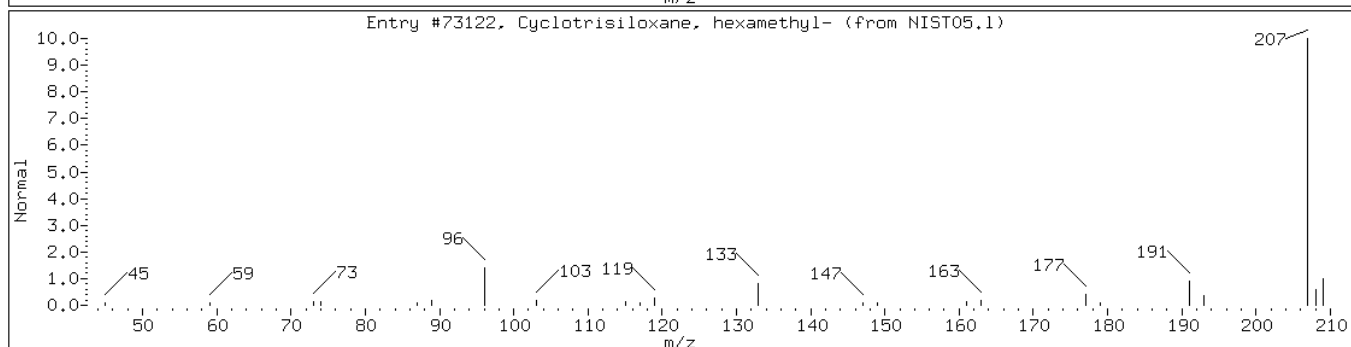
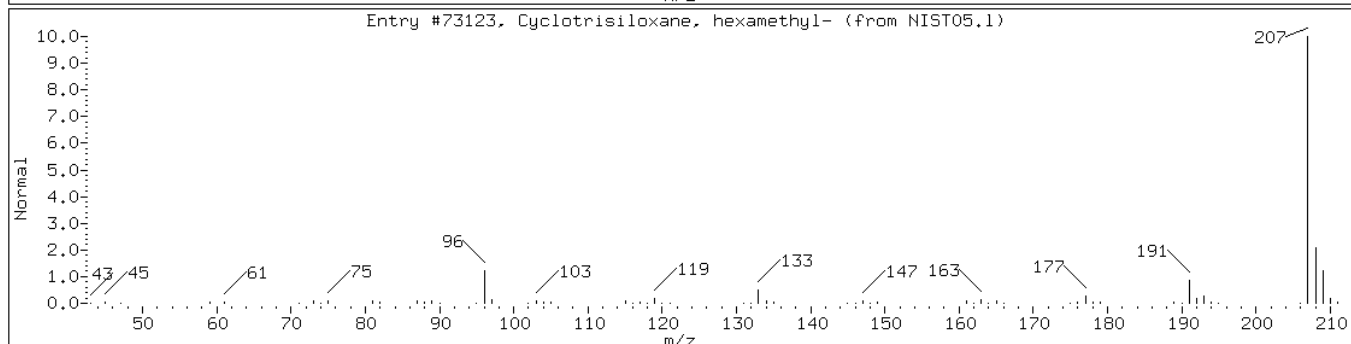
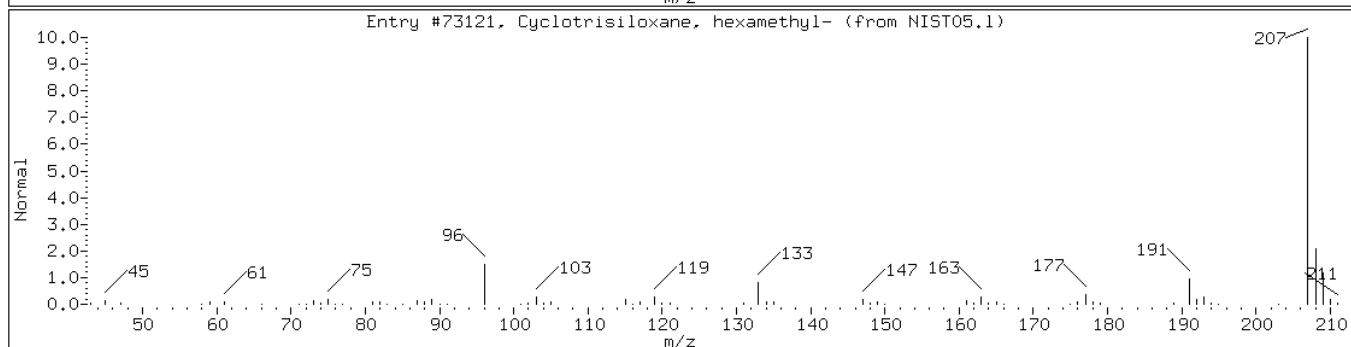
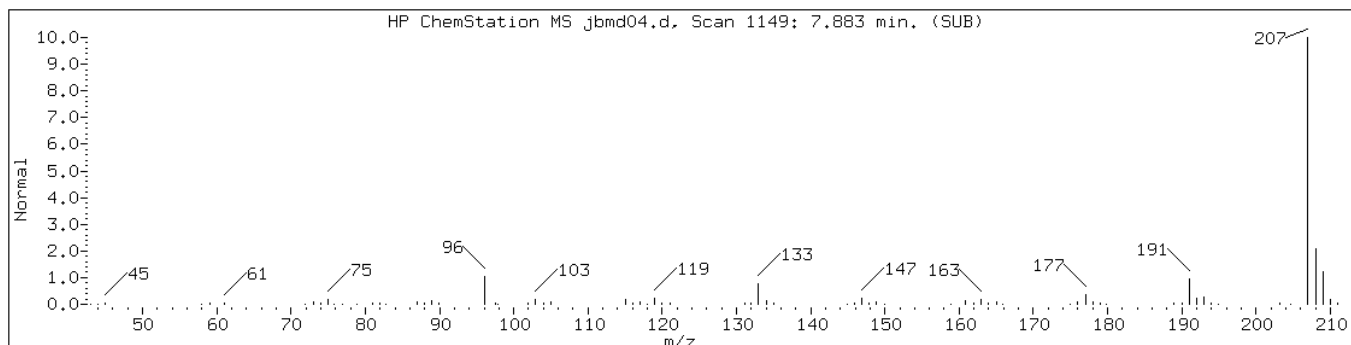
Date: 23-SEP-2010 16:22

Instrument: J.i

Operator: JH2

Retention Time: 7.88

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	91	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	91	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	80	C ₆ H ₁₈ O ₃ Si ₃	222



Data File: jbm04.d

Lab Sample ID: MB

Client ID: VBLKJF

Sample Info: MB

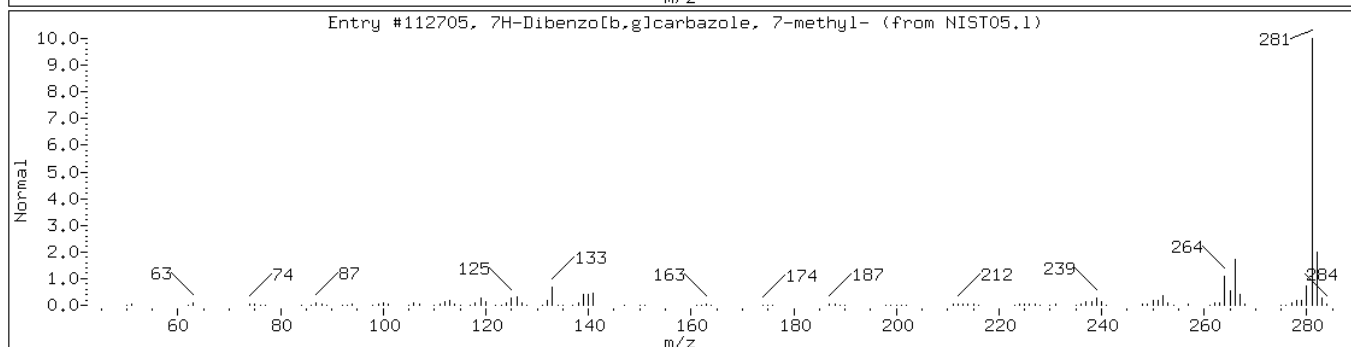
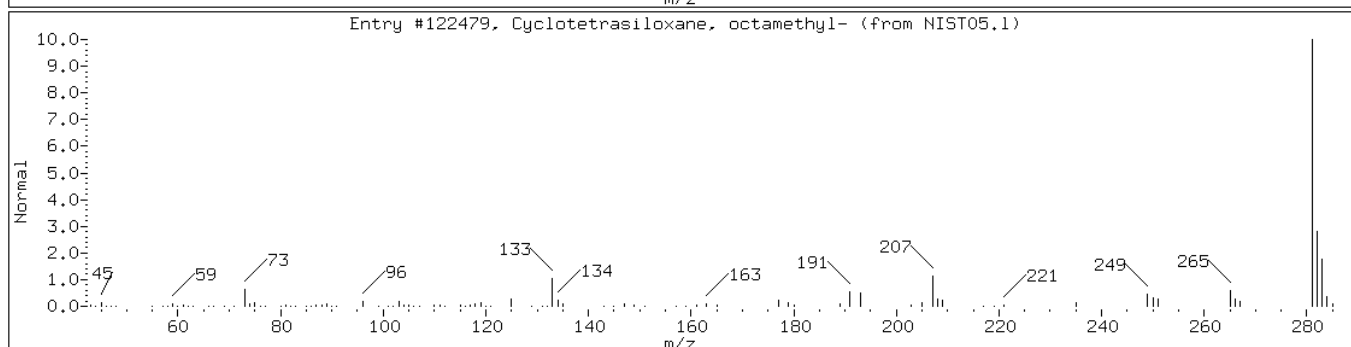
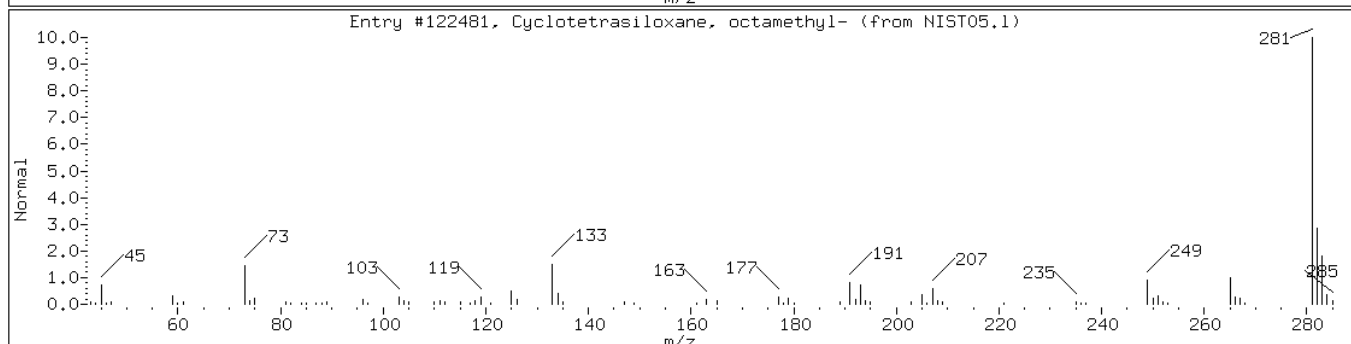
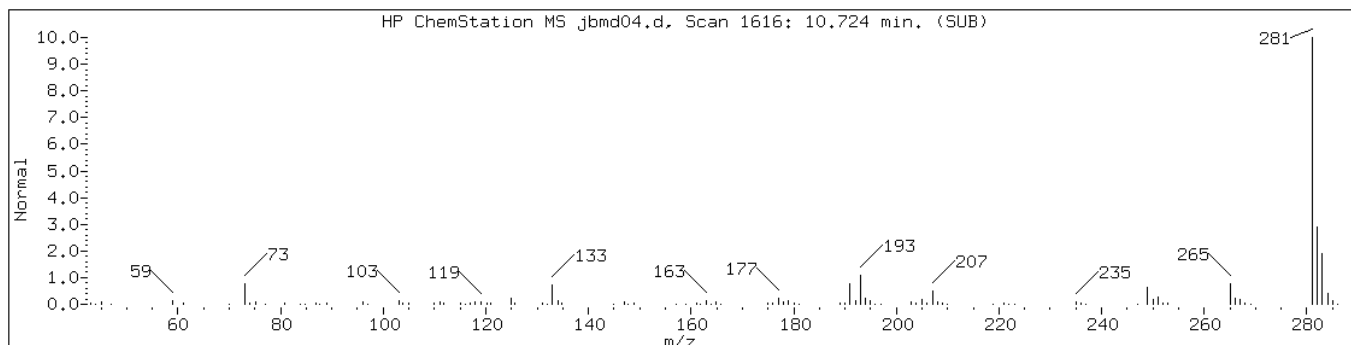
Date: 23-SEP-2010 16:22

Instrument: J.i

Operator: JH2

Retention Time: 10.72

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122481	87	C ₈ H ₂₄ O ₄ Si ₄	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	86	C ₈ H ₂₄ O ₄ Si ₄	296
7H-Dibenzo[b,g]carbazole, 7-methyl	3557-49-1	NIST05.1	112705	53	C ₂₁ H ₁₅ N	281



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmdsmtr.b/jbmd06.d
Lab Smp Id: VIBLK Client Smp ID: VIBLKJL
Inj Date : 23-SEP-2010 17:25
Operator : JH2 Inst ID: J.i
Smp Info : VIBLK
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2 Quant Type: ISTD
Cal Date : 21-SEP-2010 17:24 Cal File: jbm08.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

						CONCENTRATIONS		
		QUANT	SIG			ON-COLUMN	FINAL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
=====		=====	==	=====	=====	=====	=====	=====
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
\$ 3	Vinyl chloride-d3	65	1.563	1.563	(0.279)	248856	123.374	4.9
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
\$ 6	Chloroethane-d5	69	1.861	1.867	(0.332)	206896	125.174	5.0
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
\$ 9	1,1-Dichloroethene-d2	63	2.475	2.481	(0.442)	300119	94.0111	3.8
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	2.536	2.536	(0.453)	10330	132.992	5.3
13	Carbon disulfide	76	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					
15	Methylene chloride	84	Compound Not Detected.					

							CONCENTRATIONS		
		QUANT	SIG				ON-COLUMN	FINAL	
Compounds		MASS		RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
=====		=====		==	=====	=====	=====	=====	=====
	16 trans-1,2-Dichloroethene	96		Compound	Not	Detected.			
	17 Methyl tert-butyl ether	73		Compound	Not	Detected.			
	18 1,1-Dichloroethane	63		Compound	Not	Detected.			
\$	19 2-Butanone-d5	46		4.148	4.148	(0.741)	151101	1265.90	51
	20 cis-1,2-Dichloroethene	96		Compound	Not	Detected.			
	21 2-Butanone	43		Compound	Not	Detected.			
	22 Bromochloromethane	128		Compound	Not	Detected.			
\$	23 Chloroform-d	84		4.525	4.525	(0.809)	353913	122.366	4.9
	24 Chloroform	83		Compound	Not	Detected.			
	25 1,1,1-Trichloroethane	97		Compound	Not	Detected.			
	26 Cyclohexane	56		Compound	Not	Detected.			
	27 Carbon tetrachloride	117		Compound	Not	Detected.			
\$	28 1,2-Dichloroethane-d4	65		5.097	5.097	(0.911)	121185	131.073	5.2
\$	29 Benzene-d6	84		5.109	5.109	(0.569)	832769	130.435	5.2
	30 Benzene	78		Compound	Not	Detected.			
	31 1,2-Dichloroethane	62		Compound	Not	Detected.			
*	32 1,4-Difluorobenzene	114		5.596	5.590	(1.000)	753516	125.000	
	33 Trichloroethene	95		5.882	5.882	(0.656)	3095	1.63152	0.065(Q)
\$	34 1,2-Dichloropropane-d6	67		6.034	6.040	(0.672)	193128	114.697	4.6
	35 Methylcyclohexane	55		Compound	Not	Detected.			
	36 1,2-Dichloropropane	63		Compound	Not	Detected.			
	37 Bromodichloromethane	83		Compound	Not	Detected.			
	38 cis-1,3-Dichloropropene	75		Compound	Not	Detected.			
	39 4-Methyl-2-pentanone	43		Compound	Not	Detected.			
\$	40 Toluene-d8	98		7.275	7.275	(0.811)	800307	127.525	5.1
	41 Toluene	91		Compound	Not	Detected.			
\$	42 trans-1,3-Dichloropropene-d4	79		7.591	7.591	(0.846)	147173	126.541	5.1
	43 trans-1,3-Dichloropropene	75		Compound	Not	Detected.			
	44 1,1,2-Trichloroethane	97		Compound	Not	Detected.			
	45 Tetrachloroethene	163		Compound	Not	Detected.			
\$	46 2-Hexanone-d5	63		8.090	8.090	(0.902)	137956	1251.87	50
	47 2-Hexanone	43		Compound	Not	Detected.			
	48 Dibromochloromethane	129		Compound	Not	Detected.			
	49 1,2-Dibromoethane	107		Compound	Not	Detected.			
*	50 Chlorobenzene-d5	117		8.972	8.972	(1.000)	566126	125.000	
	51 Chlorobenzene	112		Compound	Not	Detected.			
	52 Ethylbenzene	91		Compound	Not	Detected.			
	53 m,p-Xylene	106		Compound	Not	Detected.			
	54 Styrene	104		Compound	Not	Detected.			
	55 o-Xylene	106		Compound	Not	Detected.			
	56 Bromoform	172		Compound	Not	Detected.			
	57 Isopropylbenzene	105		Compound	Not	Detected.			
\$	58 1,1,2,2-Tetrachloroethane-d2	84		10.566	10.560	(1.178)	66130	125.850	5.0
	59 1,1,2,2-Tetrachloroethane	83		Compound	Not	Detected.			
	60 1,3-Dichlorobenzene	146		Compound	Not	Detected.			
*	61 1,4-Dichlorobenzene-d4	152		11.807	11.807	(1.000)	241656	125.000	
	62 1,4-Dichlorobenzene	146		Compound	Not	Detected.			

Compounds	QUANT SIG	CONCENTRATIONS					
		ON-COLUMN	FINAL				
	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	173122	129.843	5.2
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmdsmtr.b/jbmd06.d
Lab Smp Id: VIBLK Client Smp ID: VIBLKJL
Inj Date : 23-SEP-2010 17:25
Operator : JH2 Inst ID: J.i
Smp Info : VIBLK
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2 Quant Type: ISTD
Cal Date : 21-SEP-2010 17:24 Cal File: jbm08.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

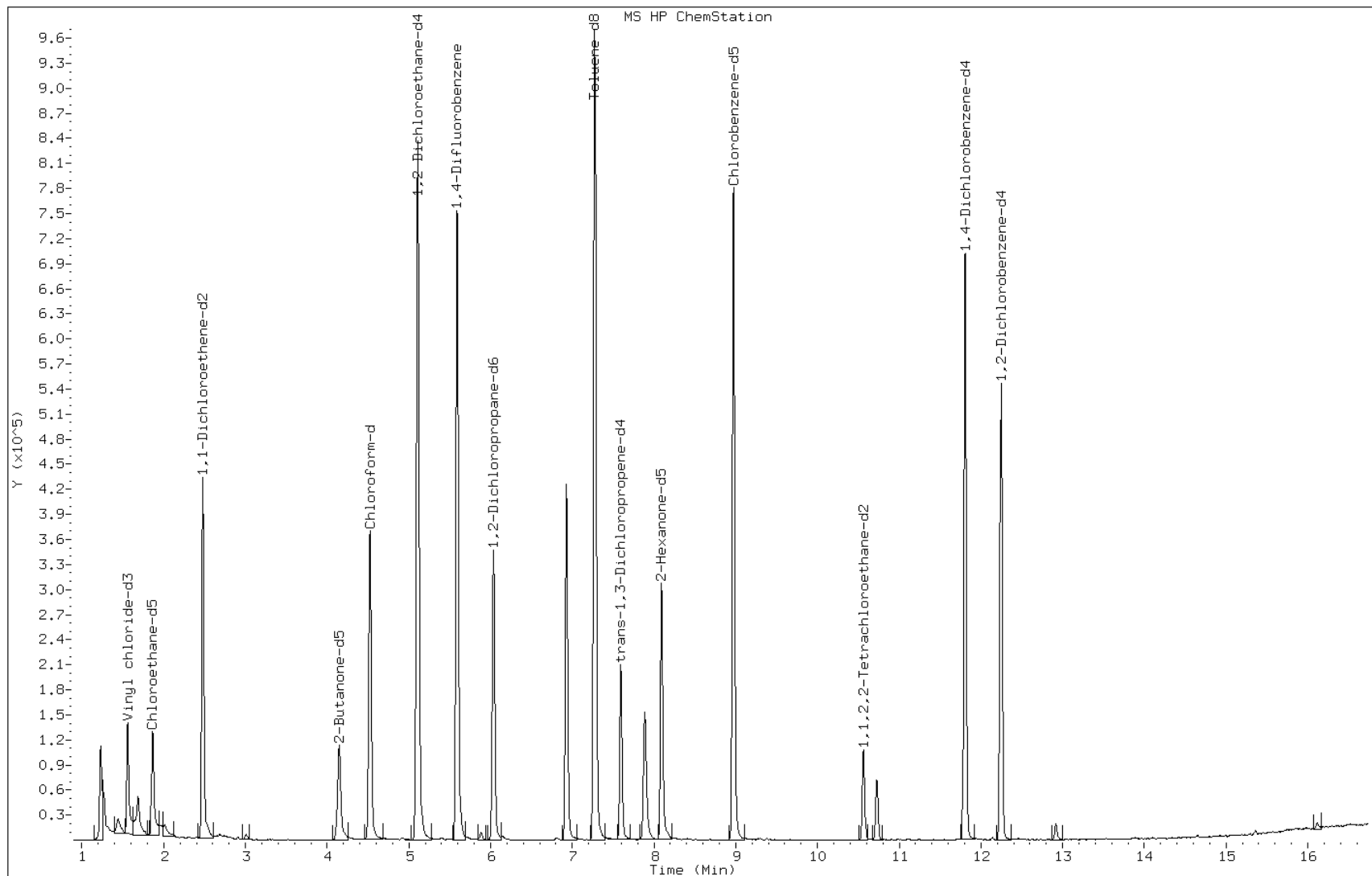
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.596	1640246	125.000
* 50 Chlorobenzene-d5	8.972	1619492	125.000
* 61 1,4-Dichlorobenzene-d4	11.807	1392014	125.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
1.684	169358	12.9064548	0.52	0		0	32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
6.928	886125	67.5298218	2.7	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.890	428241	33.0536152	1.3	91	NIST05.l	73121	50
Unknown siloxane derivative					CAS #:		
10.724	158928	14.2713658	0.57	0		0	61

Data File: jbmd06.d
Client ID: VIBLKJL
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: VIBLK
Lab Sample ID: VIBLK

Date: 23-SEP-2010 17:25
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



Data File: jbm06.d

Lab Sample ID: VIBLK

Client ID: VIBLKJL

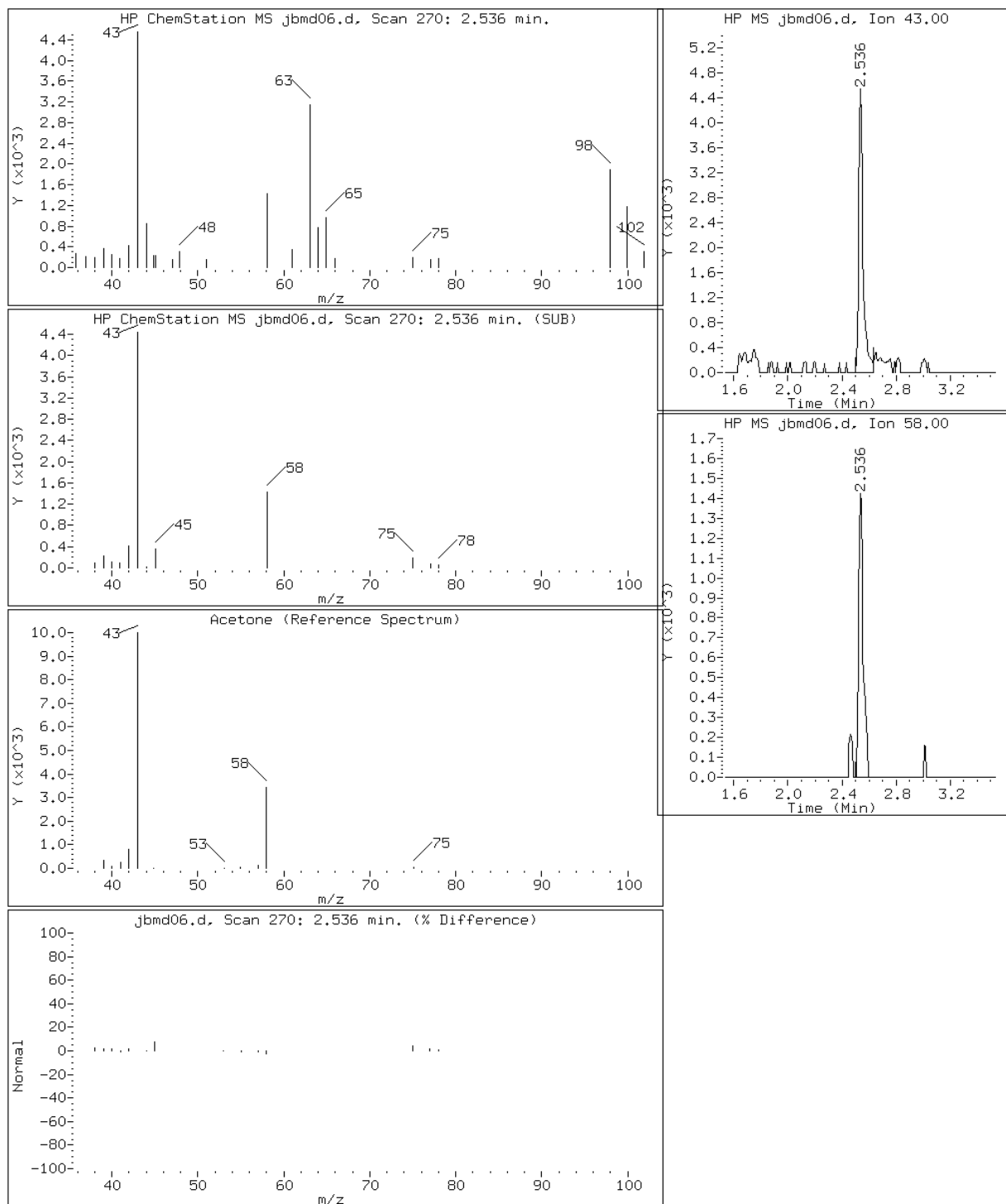
Sample Info: VIBLK

Date: 23-SEP-2010 17:25

Instrument: J.i

Operator: JH2

12 Acetone



Data File: jbm06.d

Lab Sample ID: VIBLK

Client ID: VIBLKJL

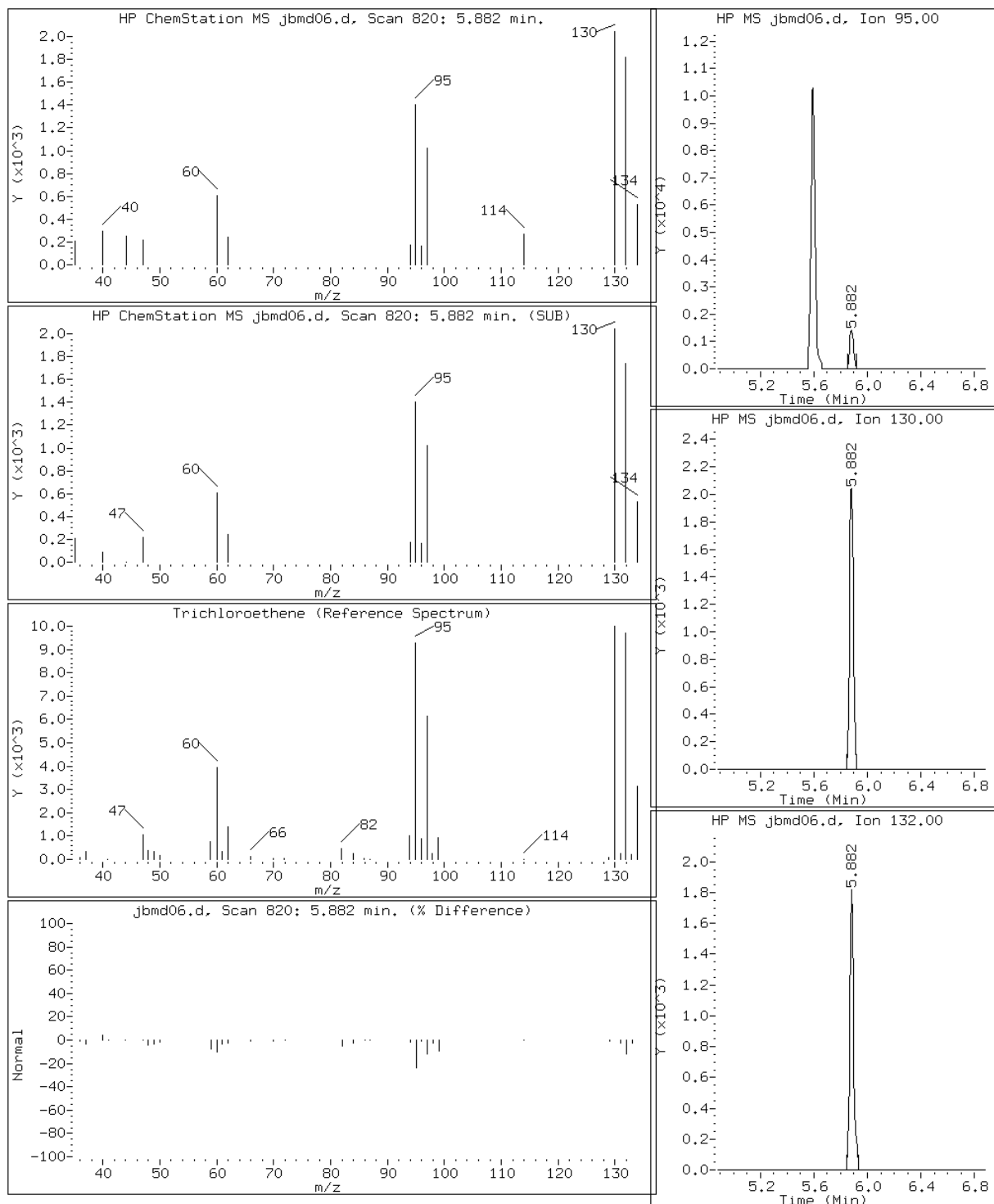
Sample Info: VIBLK

Date: 23-SEP-2010 17:25

Instrument: J.i

Operator: JH2

33 Trichloroethene

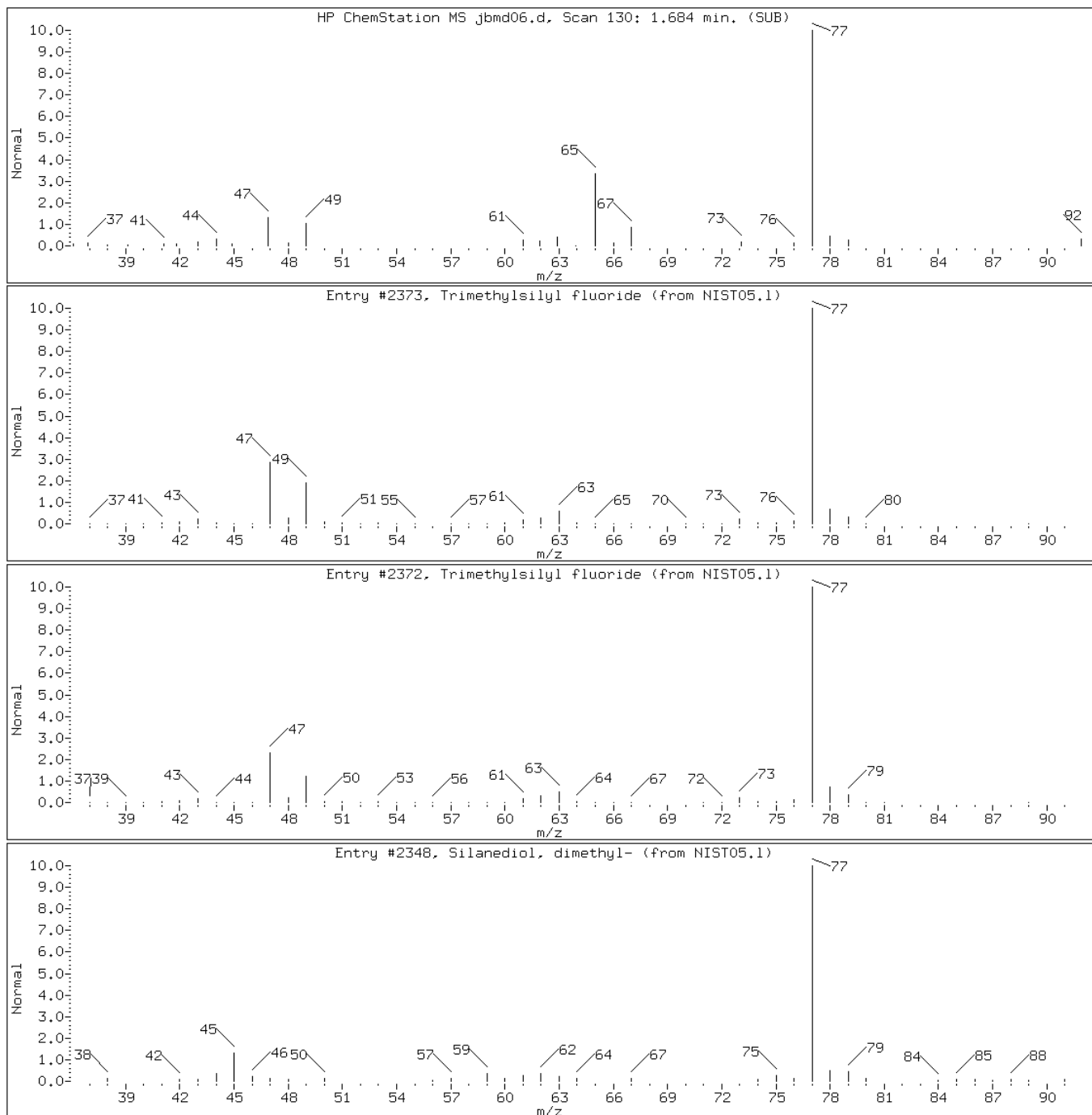


Data File: jbm06.d
Lab Sample ID: VIBLK
Client ID: VIBLKJL
Sample Info: VIBLK

Date: 23-SEP-2010 17:25
Instrument: J.i
Operator: JH2

Retention Time: 1.68

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	38	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	38	C3H9FSi	92
Silanediol, dimethyl-	1066-42-8	NIST05.1	2348	9	C2H8O2Si	92

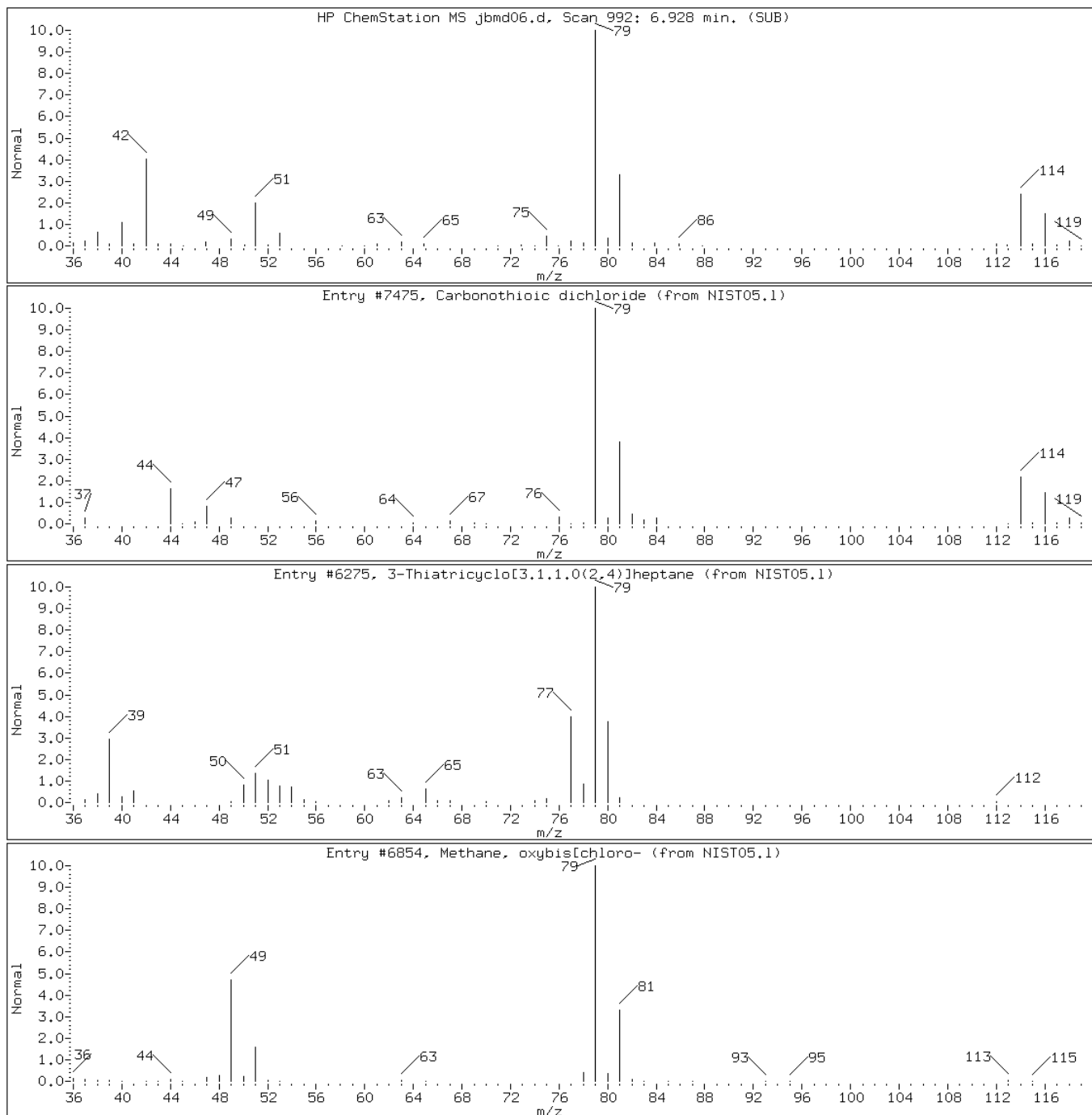


Data File: jbm06.d
Lab Sample ID: VIBLK
Client ID: VIBLKJL
Sample Info: VIBLK

Date: 23-SEP-2010 17:25
Instrument: J.i
Operator: JH2

Retention Time: 6.93

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.1	6275	37	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114

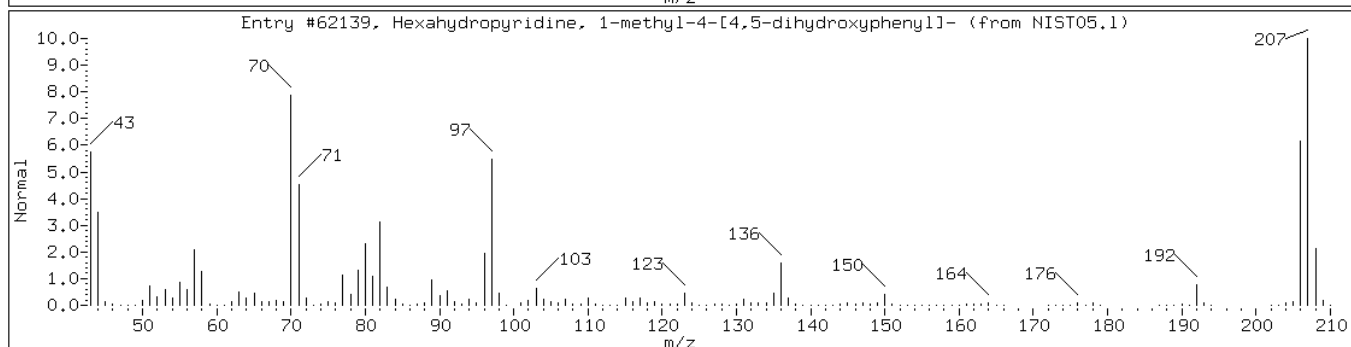
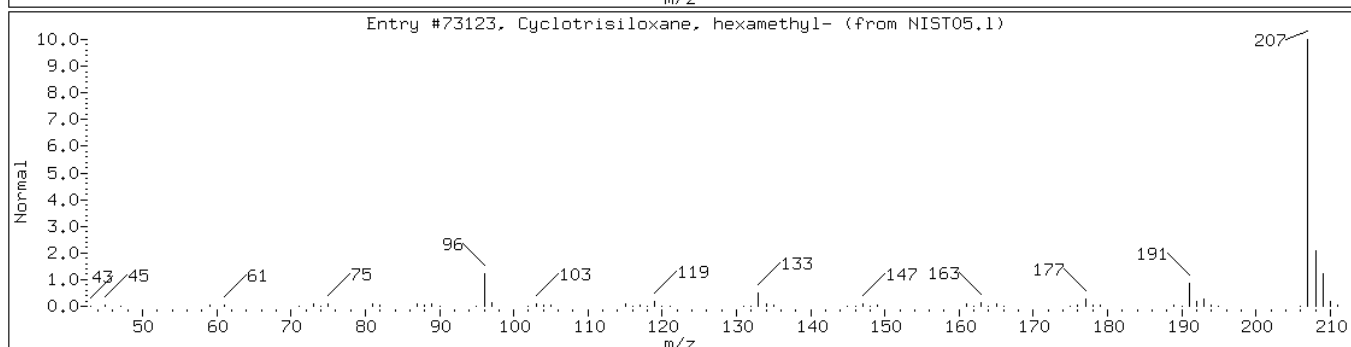
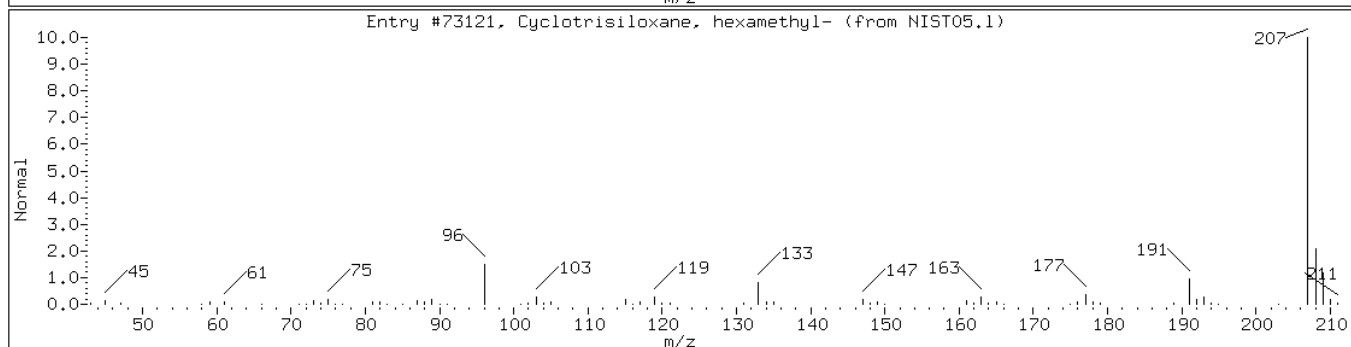
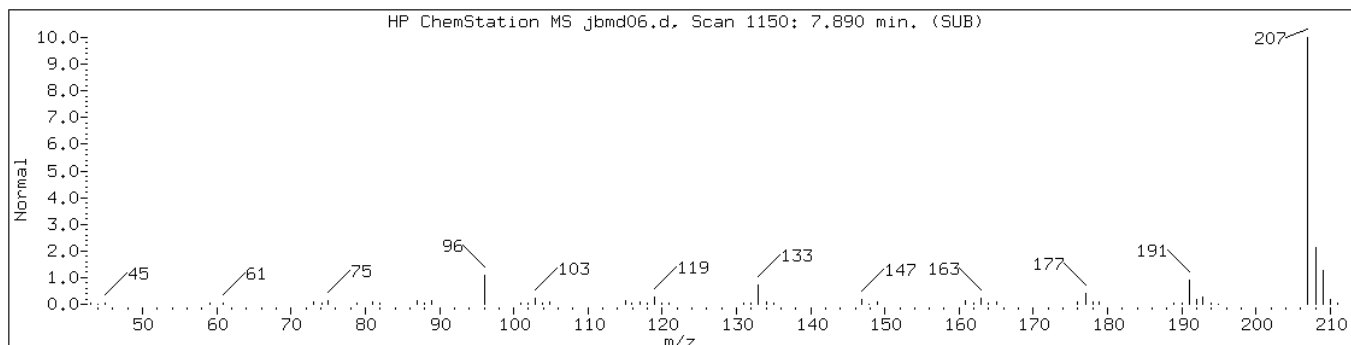


Data File: jbm06.d
Lab Sample ID: VIBLK
Client ID: VIBLKJL
Sample Info: VIBLK

Date: 23-SEP-2010 17:25
Instrument: J.i
Operator: JH2

Retention Time: 7.89

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	91	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	91	C ₆ H ₁₈ O ₃ Si ₃	222
Hexahydropyridine, 1-methyl-4-[4,5	94427-47-1	NIST05.1	62139	53	C ₁₂ H ₁₇ N ₀₂	207

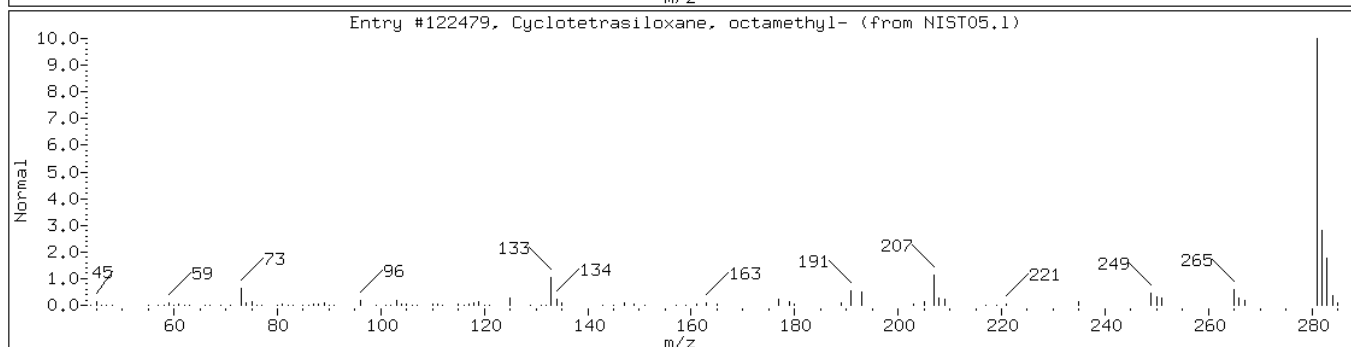
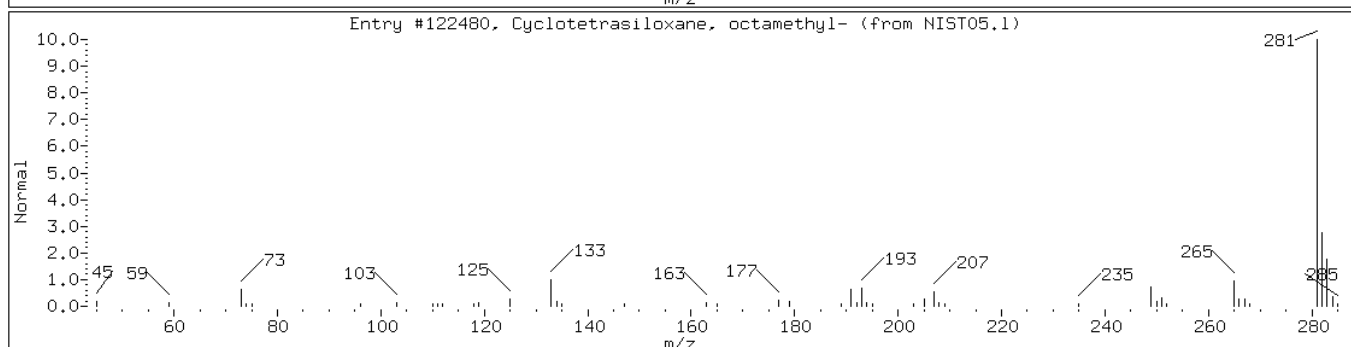
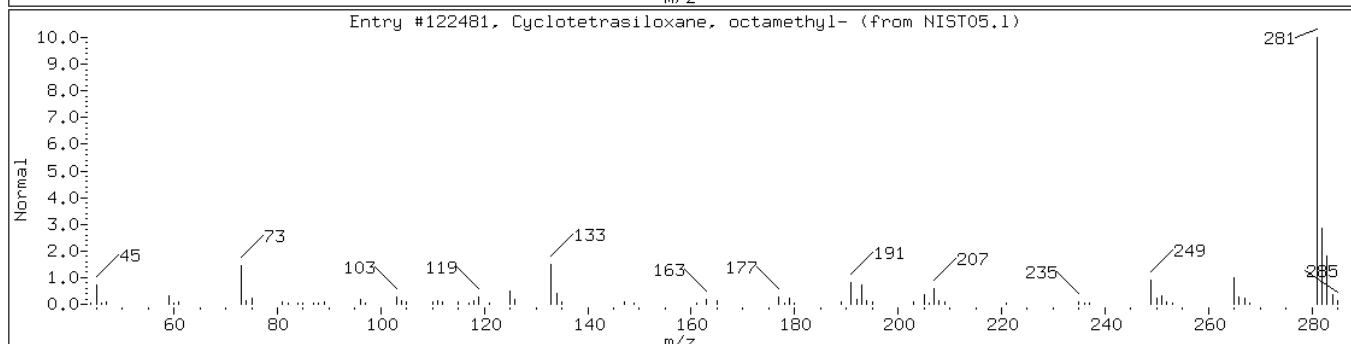
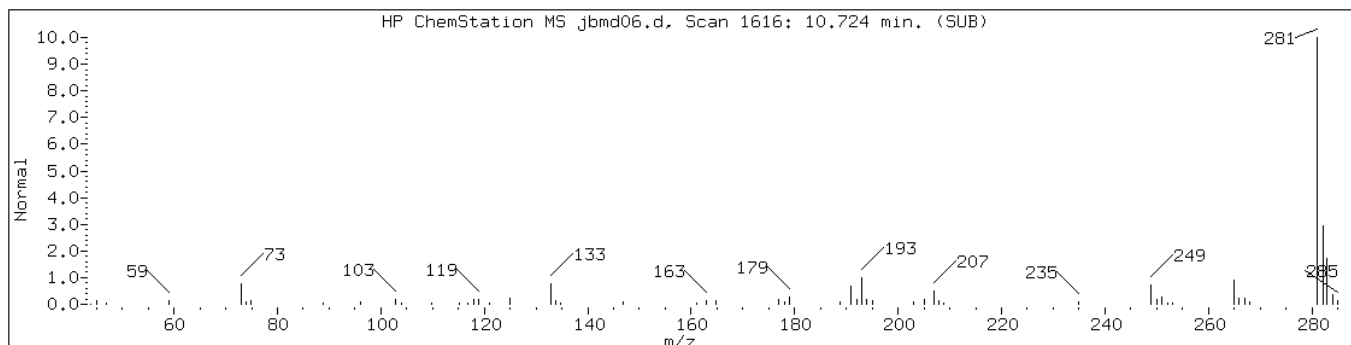


Data File: jbm06.d
Lab Sample ID: VIBLK
Client ID: VIBLKJL
Sample Info: VIBLK

Date: 23-SEP-2010 17:25
Instrument: J.i
Operator: JH2

Retention Time: 10.72

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122481	90	C ₈ H ₂₄ O ₄ Si ₄	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122480	87	C ₈ H ₂₄ O ₄ Si ₄	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	78	C ₈ H ₂₄ O ₄ Si ₄	296



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmndsmtr.b/jbmd08.d
Lab Smp Id: VIBLK Client Smp ID: VIBLKJM
Inj Date : 23-SEP-2010 18:21
Operator : JH2 Inst ID: J.i
Smp Info : VIBLK
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmndsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2 Quant Type: ISTD
Cal Date : 21-SEP-2010 17:24 Cal File: jbm08.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

						CONCENTRATIONS		
		QUANT	SIG			ON-COLUMN	FINAL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
=====		=====	==	=====	=====	=====	=====	=====
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
\$ 3	Vinyl chloride-d3	65	1.557	1.563	(0.278)	254944	123.895	5.0
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
\$ 6	Chloroethane-d5	69	1.861	1.867	(0.332)	212594	126.080	5.0
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
\$ 9	1,1-Dichloroethene-d2	63	2.475	2.481	(0.442)	311932	95.7811	3.8
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	2.536	2.536	(0.453)	8028	101.313	4.1
13	Carbon disulfide	76	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					
15	Methylene chloride	84	Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96				Compound Not Detected.		
17 Methyl tert-butyl ether	73				Compound Not Detected.		
18 1,1-Dichloroethane	63				Compound Not Detected.		
\$ 19 2-Butanone-d5	46	4.154	4.148	(0.742)	150247	1233.88	49
20 cis-1,2-Dichloroethene	96				Compound Not Detected.		
21 2-Butanone	43				Compound Not Detected.		
22 Bromochloromethane	128				Compound Not Detected.		
\$ 23 Chloroform-d	84	4.525	4.525	(0.809)	380013	128.794	5.2(Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.911)	124886	132.407	5.3
\$ 29 Benzene-d6	84	5.109	5.109	(0.569)	870364	134.783	5.4
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	5.596	5.590	(1.000)	768703	125.000	
33 Trichloroethene	95	5.882	5.882	(0.656)	6947	3.62071	0.14
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.040	(0.672)	199947	117.405	4.7
35 Methylcyclohexane	55				Compound Not Detected.		
36 1,2-Dichloropropane	63				Compound Not Detected.		
37 Bromodichloromethane	83				Compound Not Detected.		
38 cis-1,3-Dichloropropene	75				Compound Not Detected.		
39 4-Methyl-2-pentanone	43				Compound Not Detected.		
\$ 40 Toluene-d8	98	7.275	7.275	(0.811)	830491	130.840	5.2
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)	154489	131.330	5.3
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	163				Compound Not Detected.		
\$ 46 2-Hexanone-d5	63	8.090	8.090	(0.902)	140035	1256.38	50
47 2-Hexanone	43				Compound Not Detected.		
48 Dibromochloromethane	129				Compound Not Detected.		
49 1,2-Dibromoethane	107				Compound Not Detected.		
* 50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	572595	125.000	
51 Chlorobenzene	112				Compound Not Detected.		
52 Ethylbenzene	91				Compound Not Detected.		
53 m,p-Xylene	106				Compound Not Detected.		
54 Styrene	104				Compound Not Detected.		
55 o-Xylene	106				Compound Not Detected.		
56 Bromoform	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.566	10.560	(1.178)	71120	133.818	5.4
59 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
60 1,3-Dichlorobenzene	146				Compound Not Detected.		
* 61 1,4-Dichlorobenzene-d4	152	11.807	11.807	(1.000)	241057	125.000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	181546	136.500	5.5
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmdsmtr.b/jbmd08.d
Lab Smp Id: VIBLK Client Smp ID: VIBLKJM
Inj Date : 23-SEP-2010 18:21
Operator : JH2 Inst ID: J.i
Smp Info : VIBLK
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2 Quant Type: ISTD
Cal Date : 21-SEP-2010 17:24 Cal File: jbm08.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

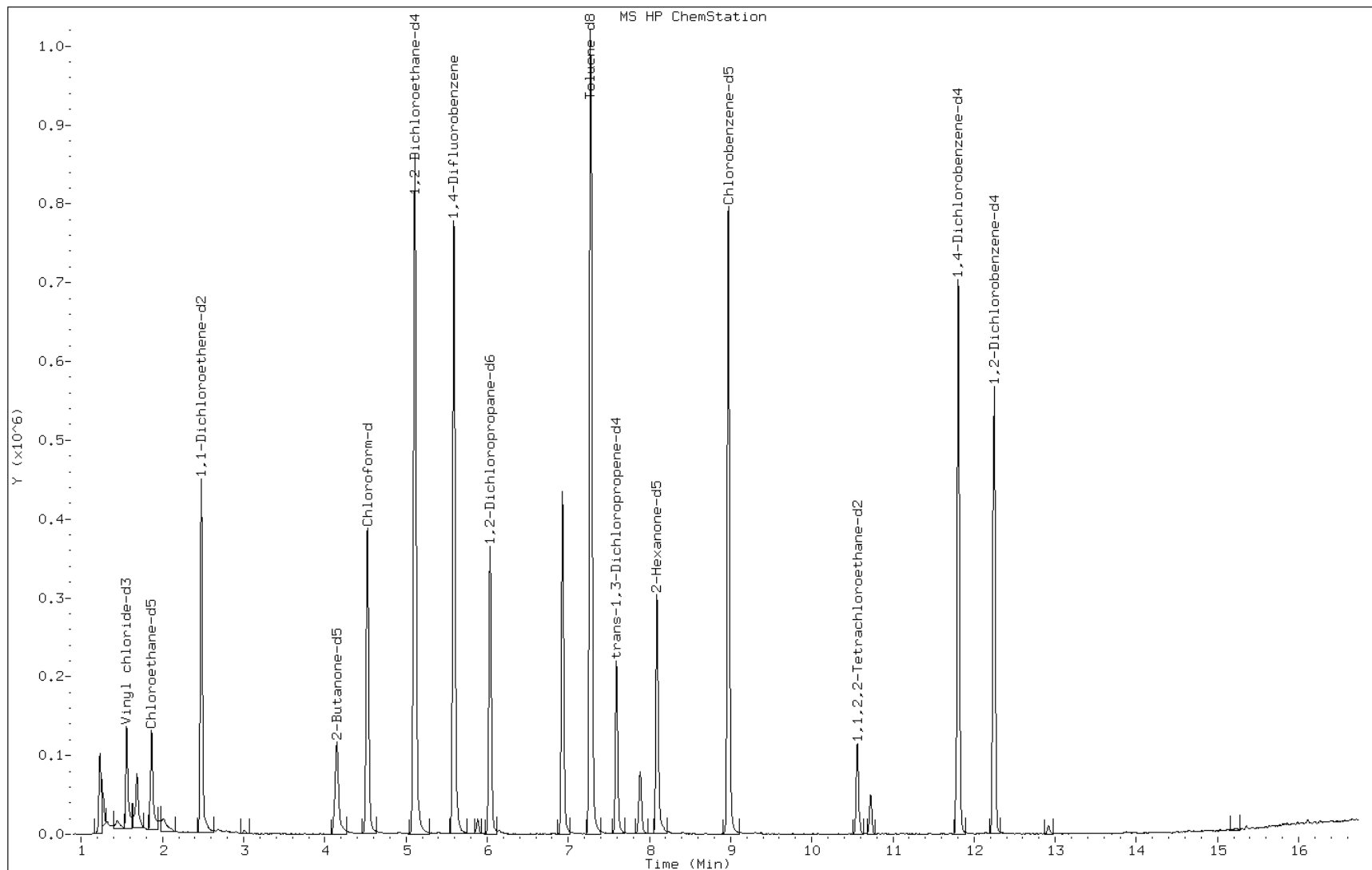
ISTD	RT	AREA	AMOUNT
=====	====	=====	=====
* 32 1,4-Difluorobenzene	5.596	1689721	125.000
* 50 Chlorobenzene-d5	8.972	1644059	125.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown				CAS #:			
1.684	186759	13.8158280	0.55	0		0	32
Unknown				CAS #:			
6.928	907550	67.1375509	2.7	0		0	32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Cyclotrisiloxane, hexamethyl-							
7.883	197273	14.9989279	0.60	91	NIST05.l	73121	50
CAS #: 541-05-9							

Data File: jbm08.d
Client ID: VIBLKJM
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: VIBLK
Lab Sample ID: VIBLK

Date: 23-SEP-2010 18:21
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



Data File: jbm08.d

Lab Sample ID: VIBLK

Client ID: VIBLKJM

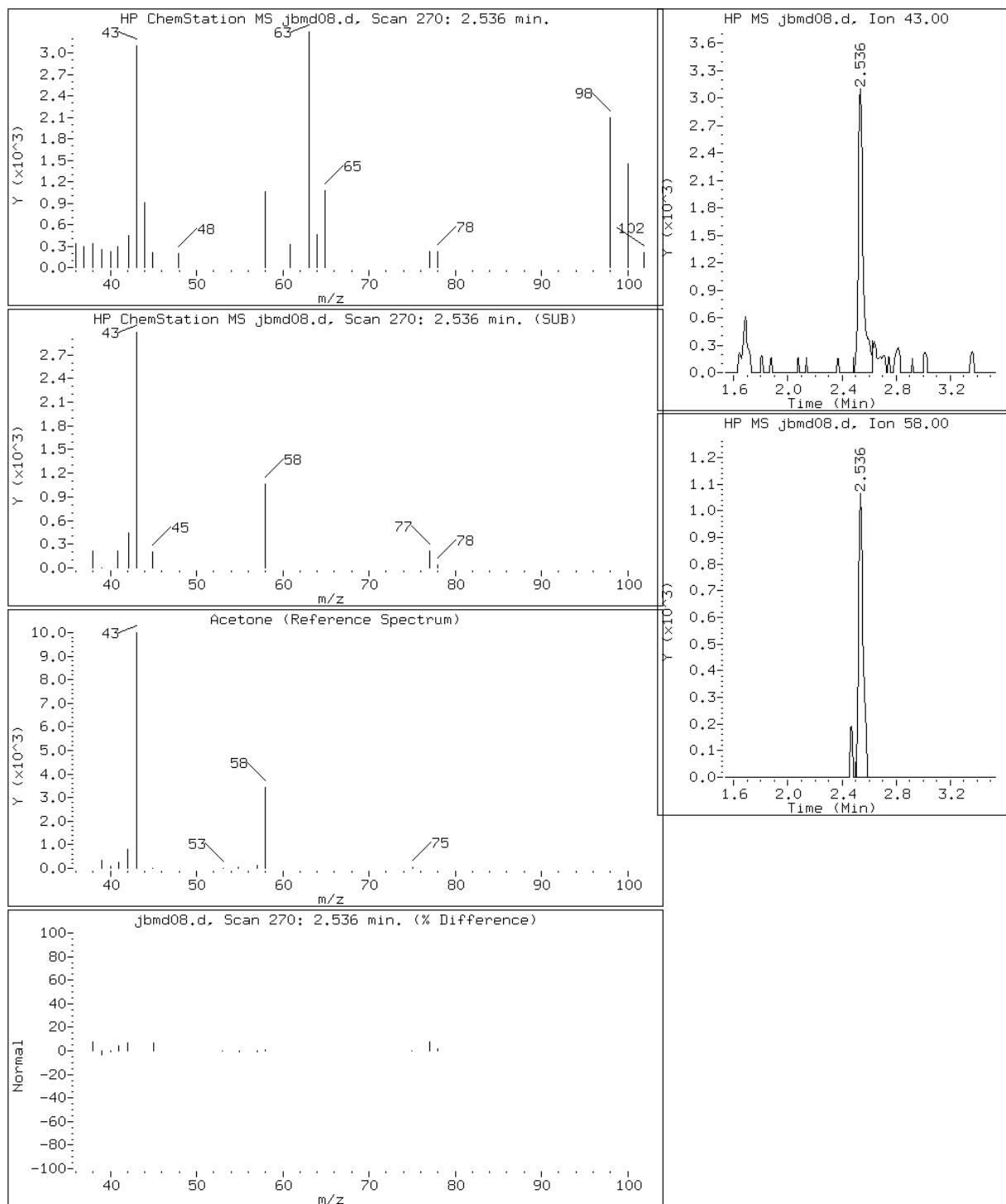
Sample Info: VIBLK

Date: 23-SEP-2010 18:21

Instrument: J.i

Operator: JH2

12 Acetone



Data File: jbm08.d

Lab Sample ID: VIBLK

Client ID: VIBLKJM

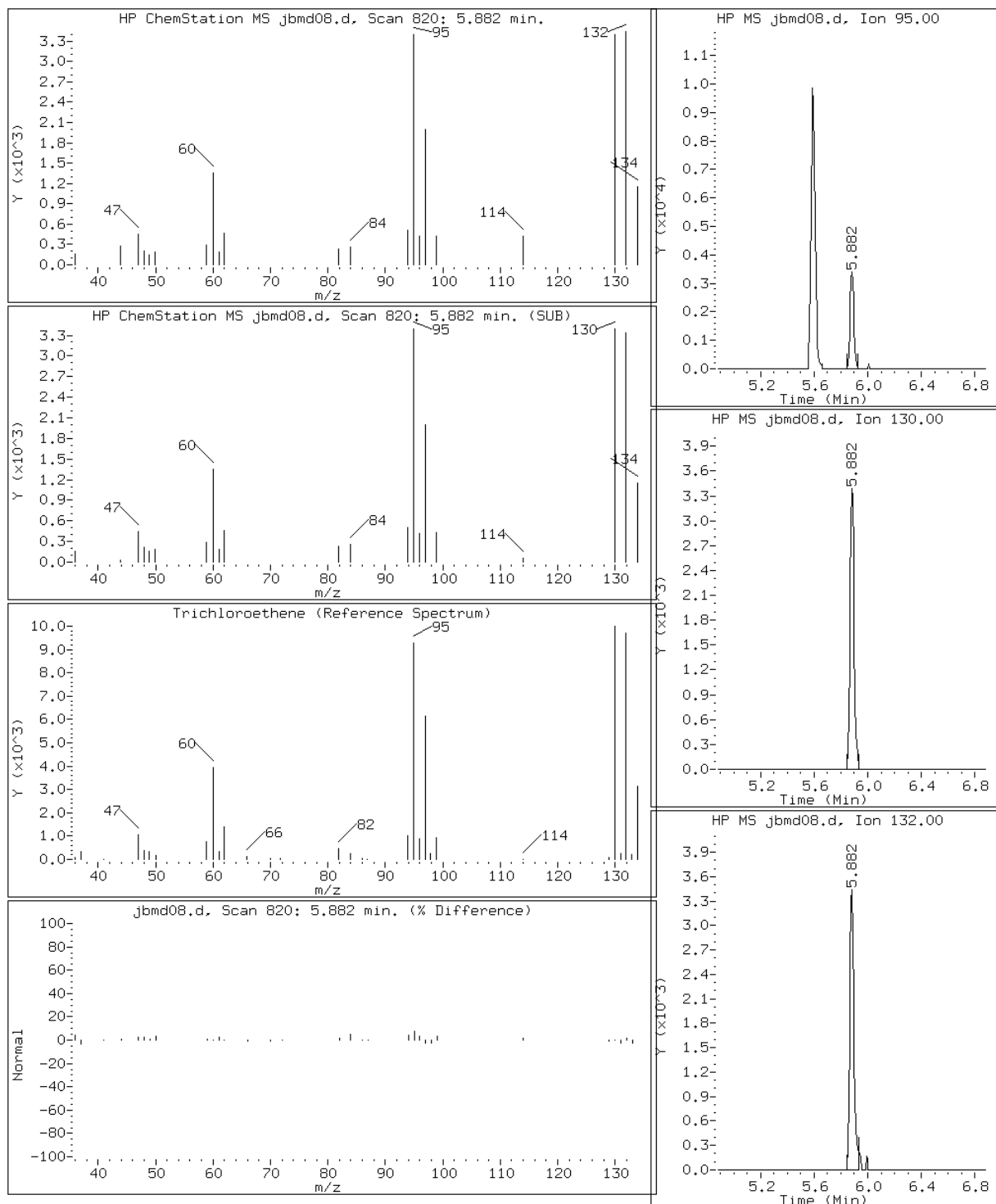
Sample Info: VIBLK

Date: 23-SEP-2010 18:21

Instrument: J.i

Operator: JH2

33 Trichloroethene

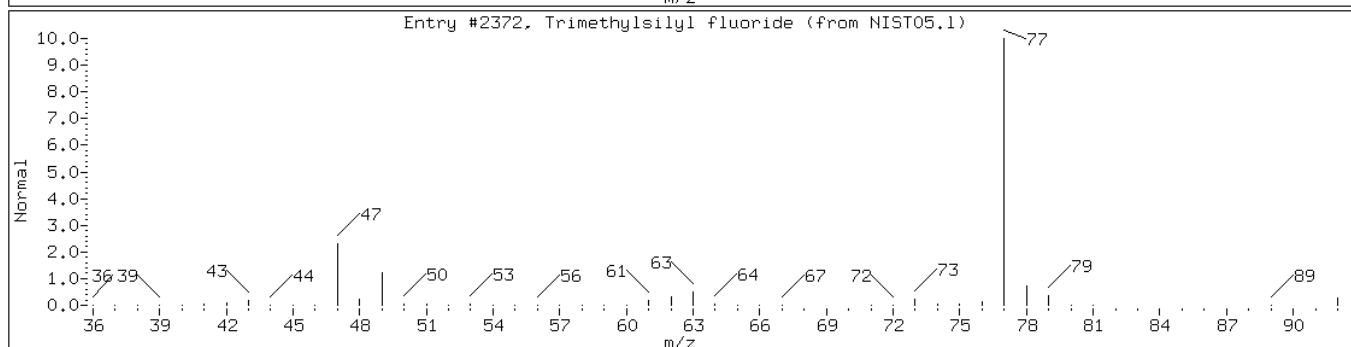
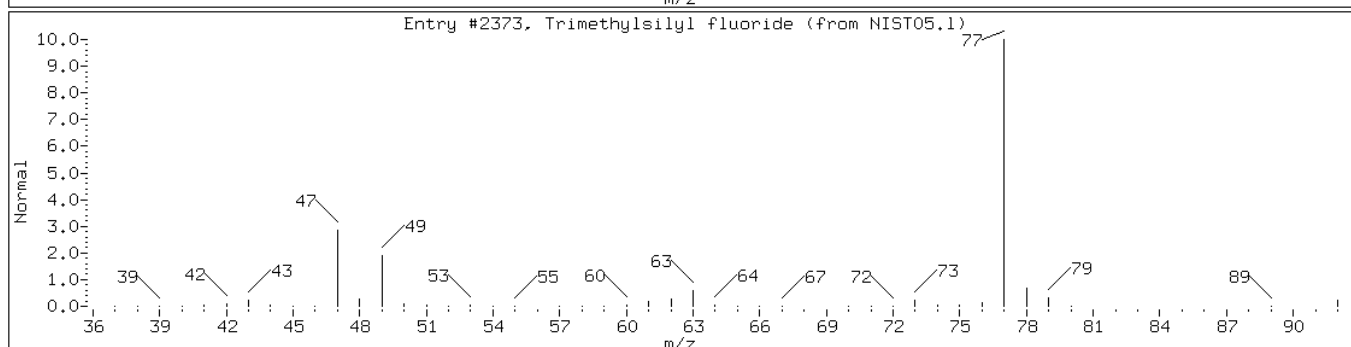
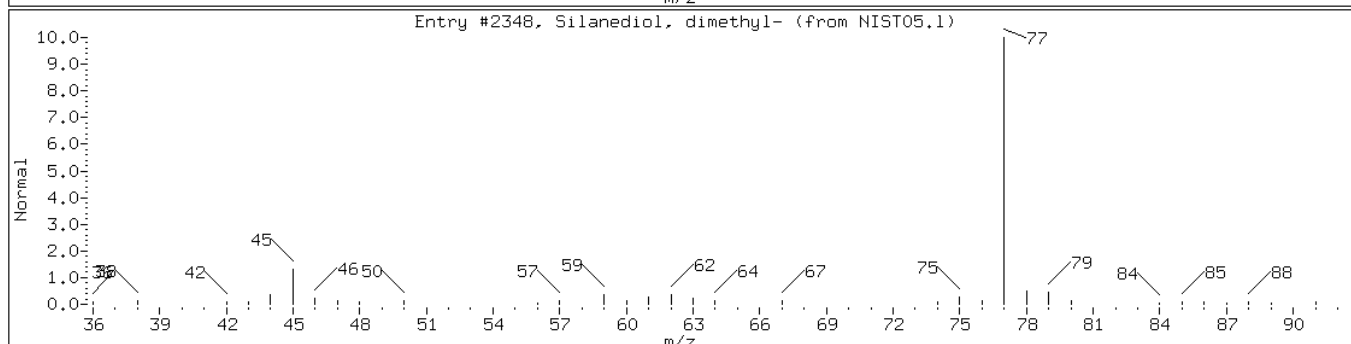
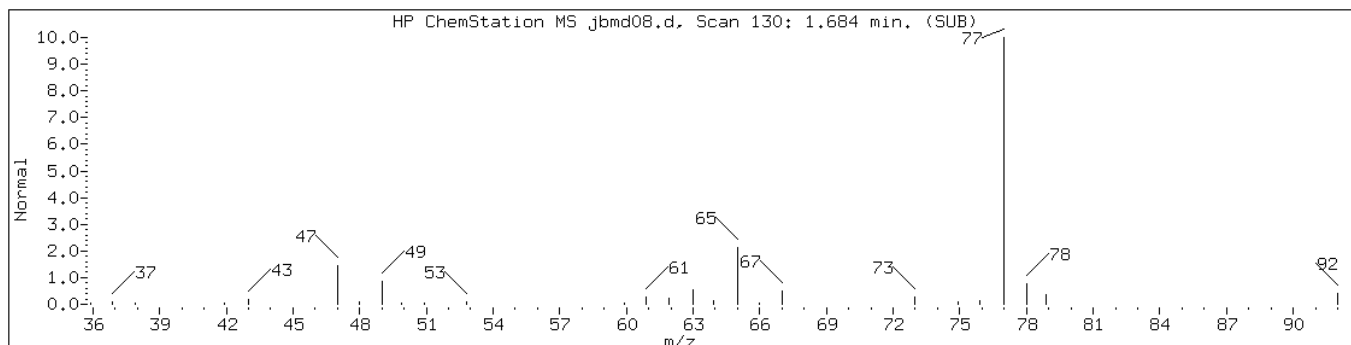


Data File: jbm08.d
Lab Sample ID: VIBLK
Client ID: VIBLKJM
Sample Info: VIBLK

Date: 23-SEP-2010 18:21
Instrument: J.i
Operator: JH2

Retention Time: 1.68

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanediol, dimethyl-	1066-42-8	NIST05.1	2348	38	C2H8O2Si	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	38	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	38	C3H9FSi	92

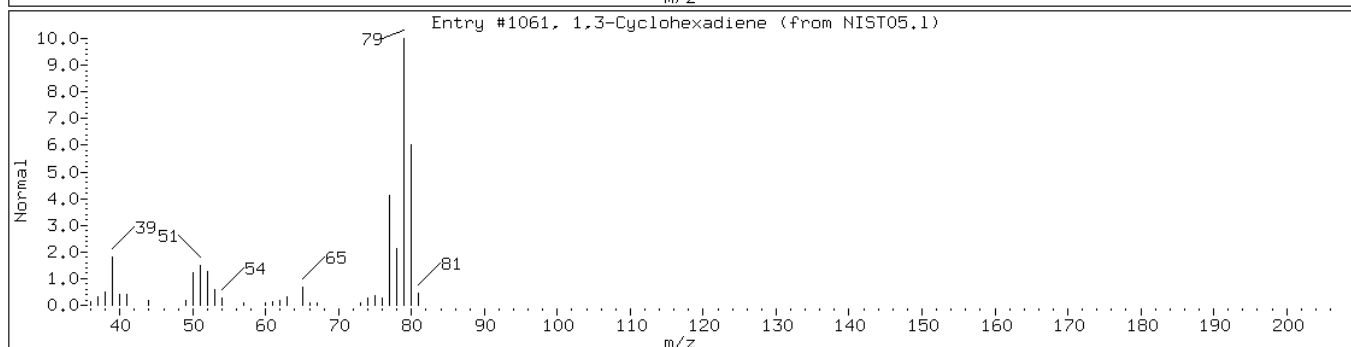
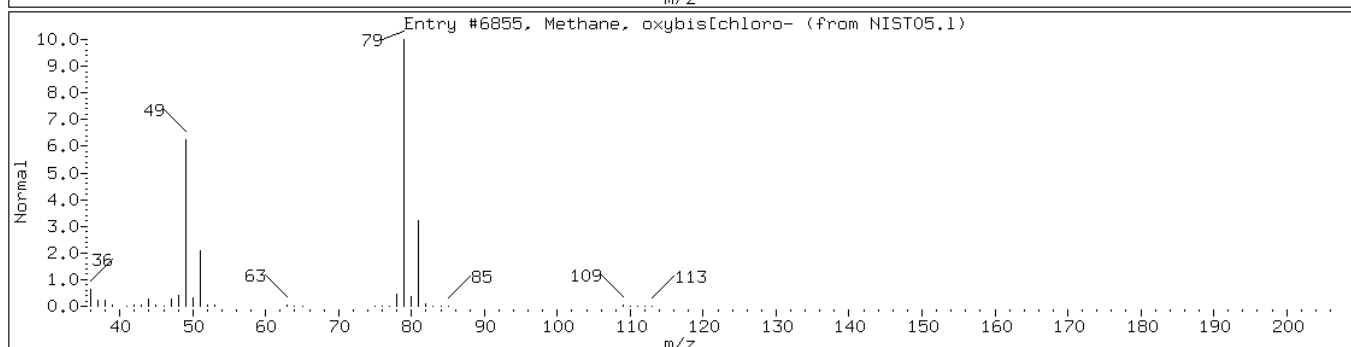
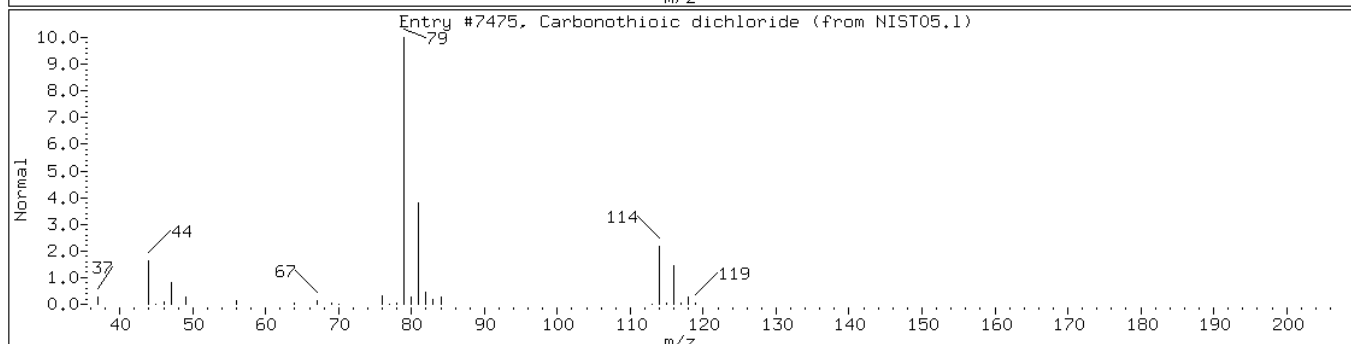
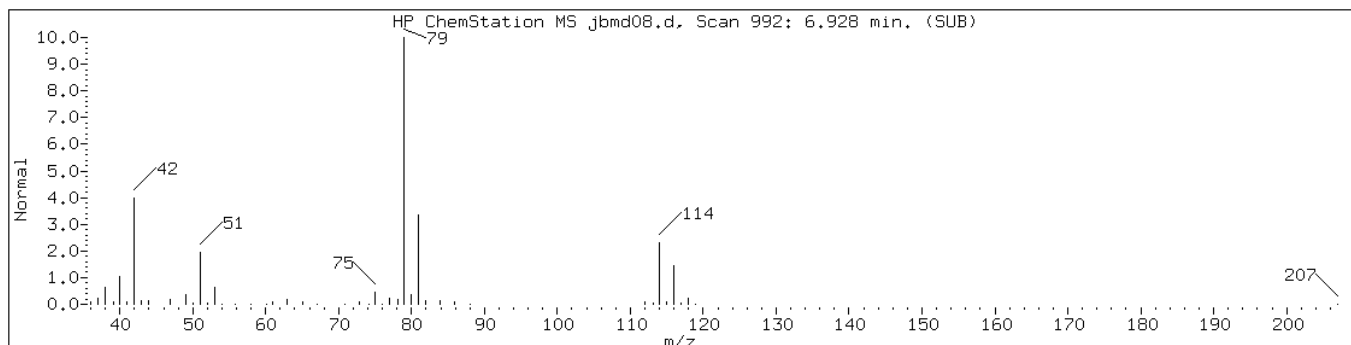


Data File: jbm08.d
Lab Sample ID: VIBLK
Client ID: VIBLKJM
Sample Info: VIBLK

Date: 23-SEP-2010 18:21
Instrument: J.i
Operator: JH2

Retention Time: 6.93

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	47	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6855	25	C2H4Cl2O	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	C6H8	80

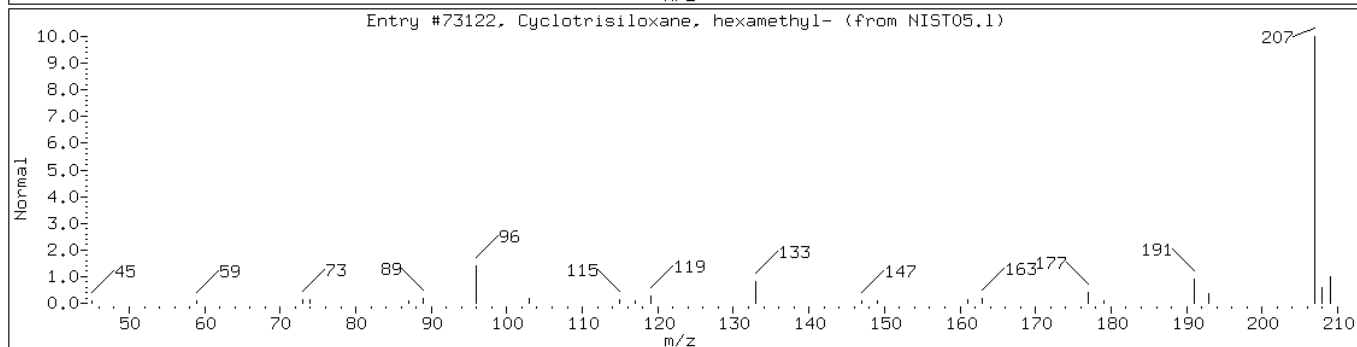
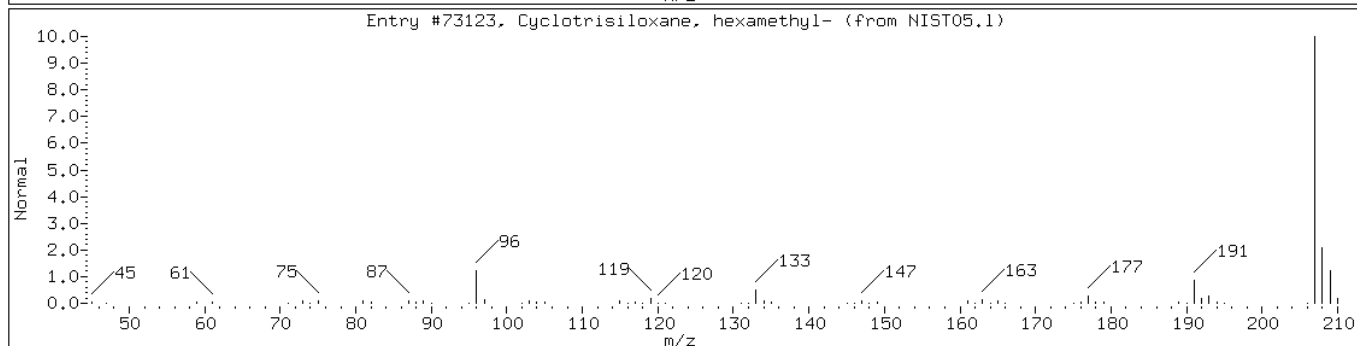
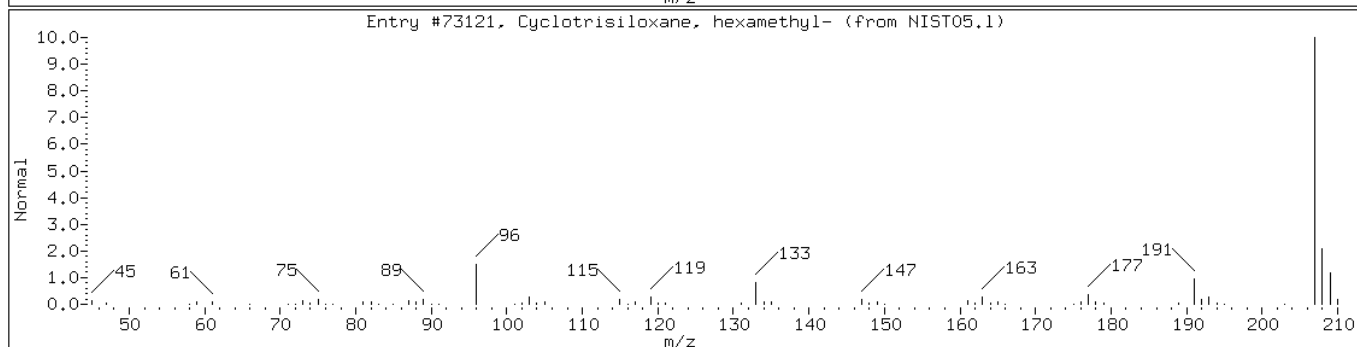
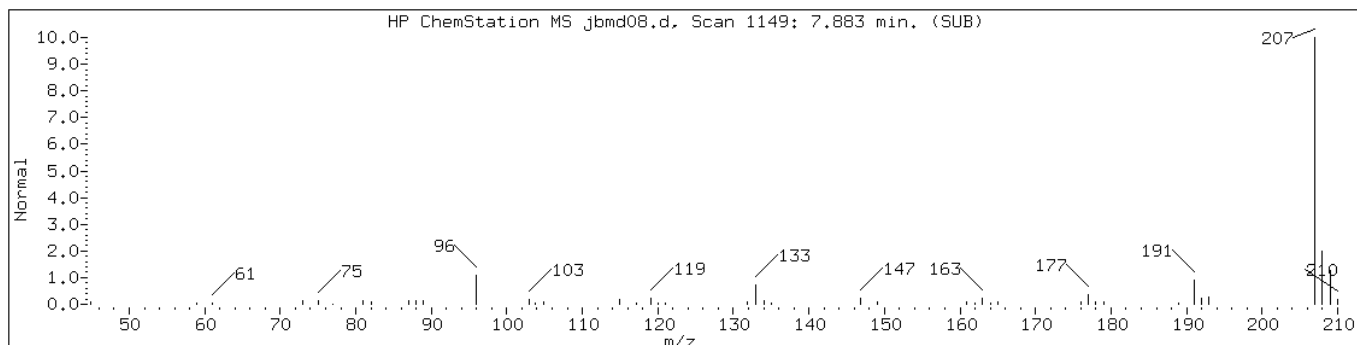


Data File: jbm08.d
Lab Sample ID: VIBLK
Client ID: VIBLKJM
Sample Info: VIBLK

Date: 23-SEP-2010 18:21
Instrument: J.i
Operator: JH2

Retention Time: 7.88

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	91	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	91	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	80	C6H18O3Si3	222



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmdsmtr.b/jbmd10.d
Lab Smp Id: VIBLK Client Smp ID: VIBLKJN
Inj Date : 23-SEP-2010 19:18
Operator : JH2 Inst ID: J.i
Smp Info : VIBLK
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2 Quant Type: ISTD
Cal Date : 21-SEP-2010 17:24 Cal File: jbm08.d
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ng)	(ug/L)
1 Dichlorodifluoromethane	85							
2 Chloromethane	50							
\$ 3 Vinyl chloride-d3	65		1.556	1.563	(0.278)	249703	124.956	5.0
4 Vinyl chloride	62							
5 Bromomethane	94							
\$ 6 Chloroethane-d5	69		1.861	1.867	(0.333)	212422	129.724	5.2
7 Chloroethane	64							
8 Trichlorofluoromethane	101							
\$ 9 1,1-Dichloroethene-d2	63		2.475	2.481	(0.443)	308631	97.5853	3.9(Q)
10 1,1-Dichloroethene	96							
11 1,1,2-Trichloro-1,2,2-trifluo	101							
12 Acetone	43		2.536	2.536	(0.454)	4959	64.4432	2.6
13 Carbon disulfide	76							
14 Methyl acetate	43							
15 Methylene chloride	84							

						CONCENTRATIONS			
		QUANT	SIG			ON-COLUMN	FINAL		
Compounds	MASS	RT	EXP	RT	REL	RT	RESPONSE	(ng)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	Compound	Not	Detected.					
17 Methyl tert-butyl ether	73	Compound	Not	Detected.					
18 1,1-Dichloroethane	63	Compound	Not	Detected.					
\$ 19 2-Butanone-d5	46	4.148	4.148	(0.742)		146122	1235.69		49
20 cis-1,2-Dichloroethene	96	Compound	Not	Detected.					
21 2-Butanone	43	Compound	Not	Detected.					
22 Bromochloromethane	128	Compound	Not	Detected.					
\$ 23 Chloroform-d	84	4.525	4.525	(0.810)		373345	130.297		5.2(Q)
24 Chloroform	83	Compound	Not	Detected.					
25 1,1,1-Trichloroethane	97	Compound	Not	Detected.					
26 Cyclohexane	56	Compound	Not	Detected.					
27 Carbon tetrachloride	117	Compound	Not	Detected.					
\$ 28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.912)		123369	134.688		5.4
\$ 29 Benzene-d6	84	5.109	5.109	(0.569)		846106	133.110		5.3
30 Benzene	78	Compound	Not	Detected.					
31 1,2-Dichloroethane	62	Compound	Not	Detected.					
* 32 1,4-Difluorobenzene	114	5.590	5.590	(1.000)		746506	125.000		
33 Trichloroethene	95	5.882	5.882	(0.656)		8644	4.57682		0.18
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.040	(0.672)		198288	118.283		4.7
35 Methylcyclohexane	55	Compound	Not	Detected.					
36 1,2-Dichloropropane	63	Compound	Not	Detected.					
37 Bromodichloromethane	83	Compound	Not	Detected.					
38 cis-1,3-Dichloropropene	75	Compound	Not	Detected.					
39 4-Methyl-2-pentanone	43	Compound	Not	Detected.					
\$ 40 Toluene-d8	98	7.275	7.275	(0.811)		806742	129.120		5.2
41 Toluene	91	Compound	Not	Detected.					
\$ 42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)		150247	129.755		5.2
43 trans-1,3-Dichloropropene	75	Compound	Not	Detected.					
44 1,1,2-Trichloroethane	97	Compound	Not	Detected.					
45 Tetrachloroethene	163	Compound	Not	Detected.					
\$ 46 2-Hexanone-d5	63	8.090	8.090	(0.902)		137079	1249.42		50
47 2-Hexanone	43	Compound	Not	Detected.					
48 Dibromochloromethane	129	Compound	Not	Detected.					
49 1,2-Dibromoethane	107	Compound	Not	Detected.					
* 50 Chlorobenzene-d5	117	8.972	8.972	(1.000)		563632	125.000		
51 Chlorobenzene	112	Compound	Not	Detected.					
52 Ethylbenzene	91	Compound	Not	Detected.					
53 m,p-Xylene	106	Compound	Not	Detected.					
54 Styrene	104	Compound	Not	Detected.					
55 o-Xylene	106	Compound	Not	Detected.					
56 Bromoform	172	Compound	Not	Detected.					
57 Isopropylbenzene	105	Compound	Not	Detected.					
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.566	10.560	(1.178)		67825	129.647		5.2
59 1,1,2,2-Tetrachloroethane	83	Compound	Not	Detected.					
60 1,3-Dichlorobenzene	146	Compound	Not	Detected.					
* 61 1,4-Dichlorobenzene-d4	152	11.807	11.807	(1.000)		243221	125.000		
62 1,4-Dichlorobenzene	146	Compound	Not	Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	180530	134.528	5.4(Q)
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmdsmtr.b/jbmd10.d
Lab Smp Id: VIBLK Client Smp ID: VIBLKJN
Inj Date : 23-SEP-2010 19:18
Operator : JH2 Inst ID: J.i
Smp Info : VIBLK
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2 Quant Type: ISTD
Cal Date : 21-SEP-2010 17:24 Cal File: jbm08.d
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable

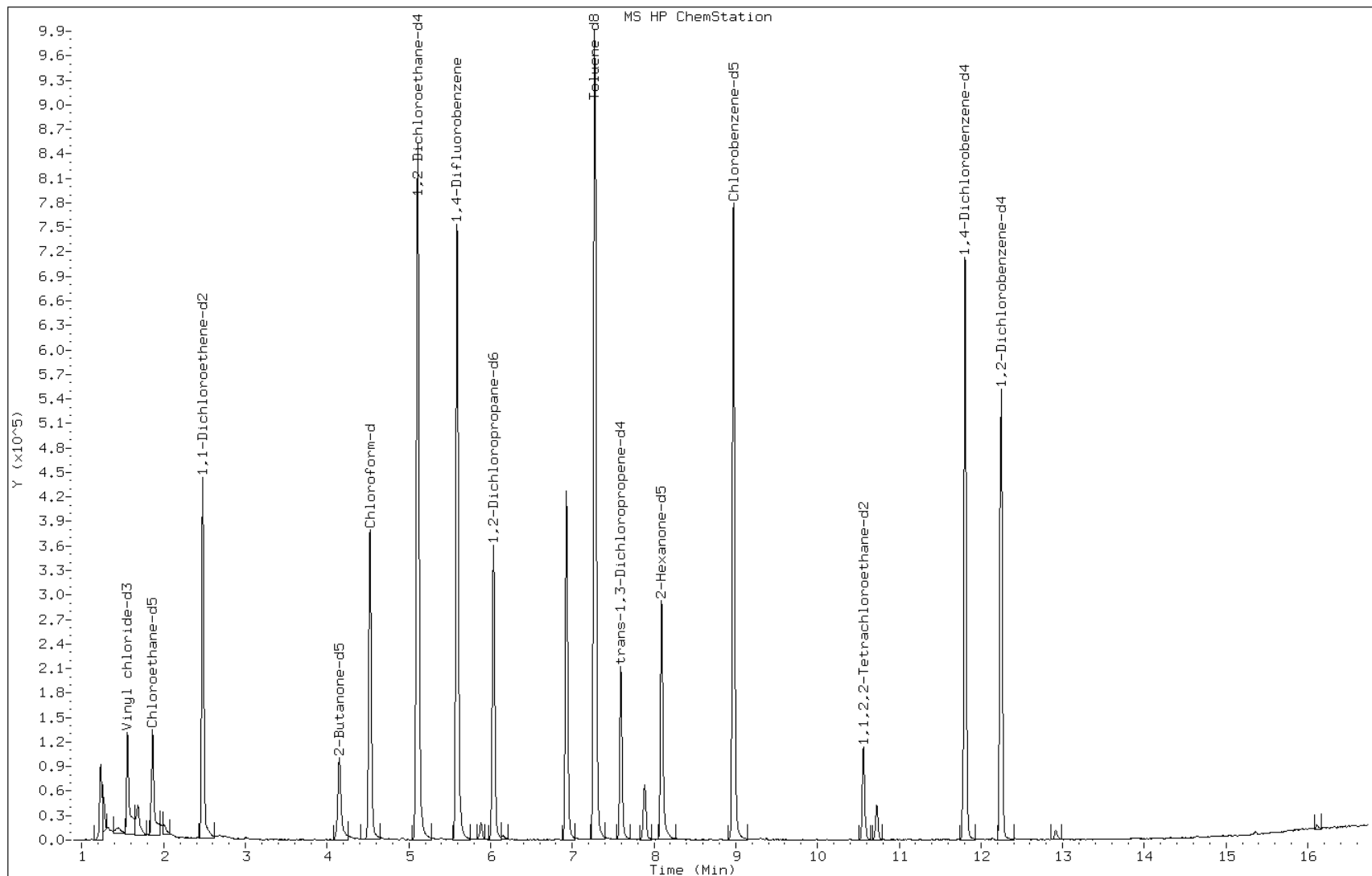
Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.590	1651061	125.000
* 50 Chlorobenzene-d5	8.972	1632182	125.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
6.928	894834	67.7469008	2.7	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.883	167008	12.7902565	0.51	90	NIST05.1	73123	50

Data File: jbmd10.d
Client ID: VIBLKJN
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: VIBLK
Lab Sample ID: VIBLK

Date: 23-SEP-2010 19:18
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



Data File: jbmdd10.d

Lab Sample ID: VIBLK

Client ID: VIBLKJN

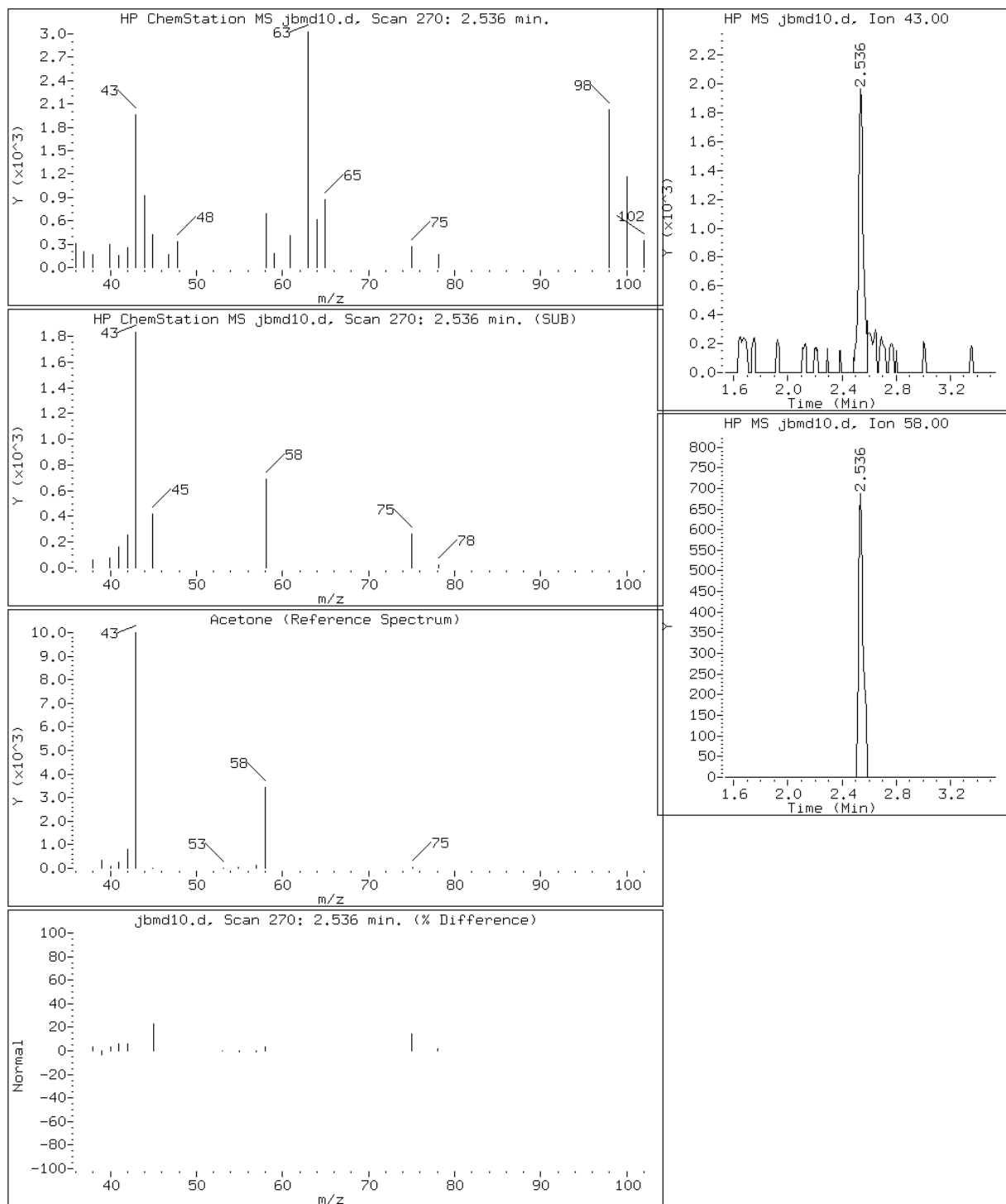
Sample Info: VIBLK

Date: 23-SEP-2010 19:18

Instrument: J.i

Operator: JH2

12 Acetone



Data File: jbmdd10.d

Lab Sample ID: VIBLK

Client ID: VIBLKJN

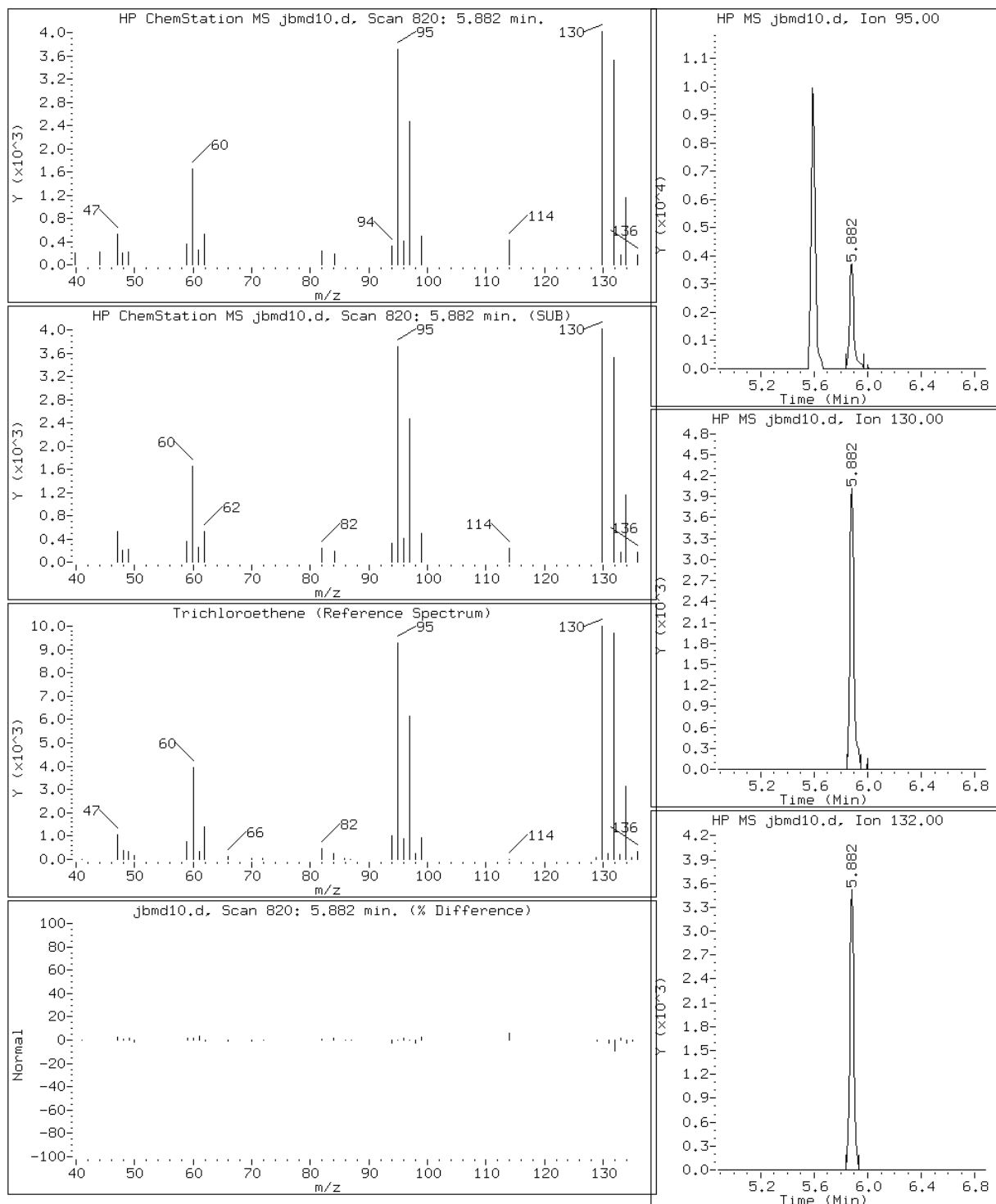
Sample Info: VIBLK

Date: 23-SEP-2010 19:18

Instrument: J.i

Operator: JH2

33 Trichloroethene

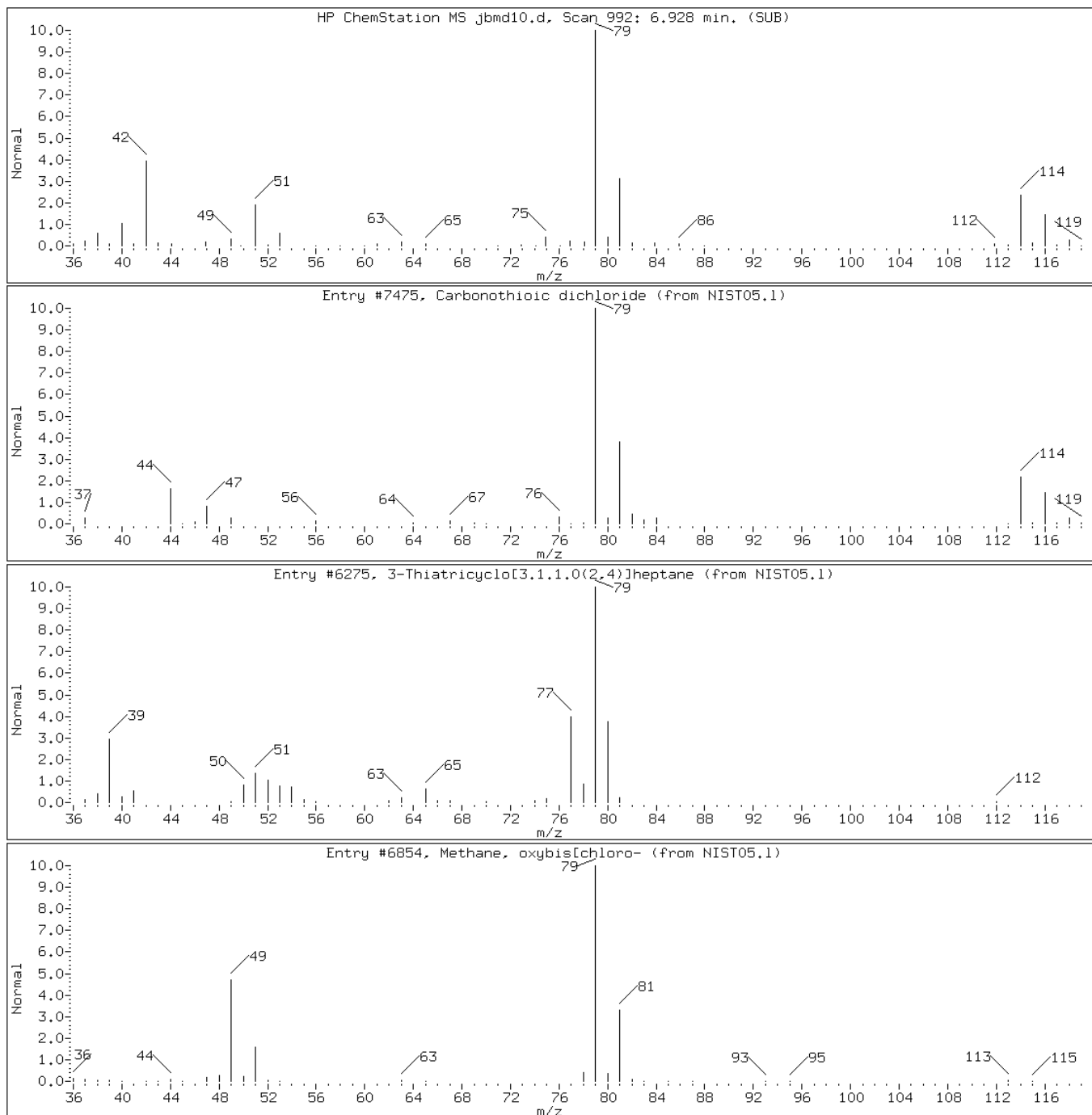


Data File: jbm10.d
Lab Sample ID: VIBLK
Client ID: VIBLKJN
Sample Info: VIBLK

Date: 23-SEP-2010 19:18
Instrument: J.i
Operator: JH2

Retention Time: 6.93

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	40	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.1	6275	32	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114

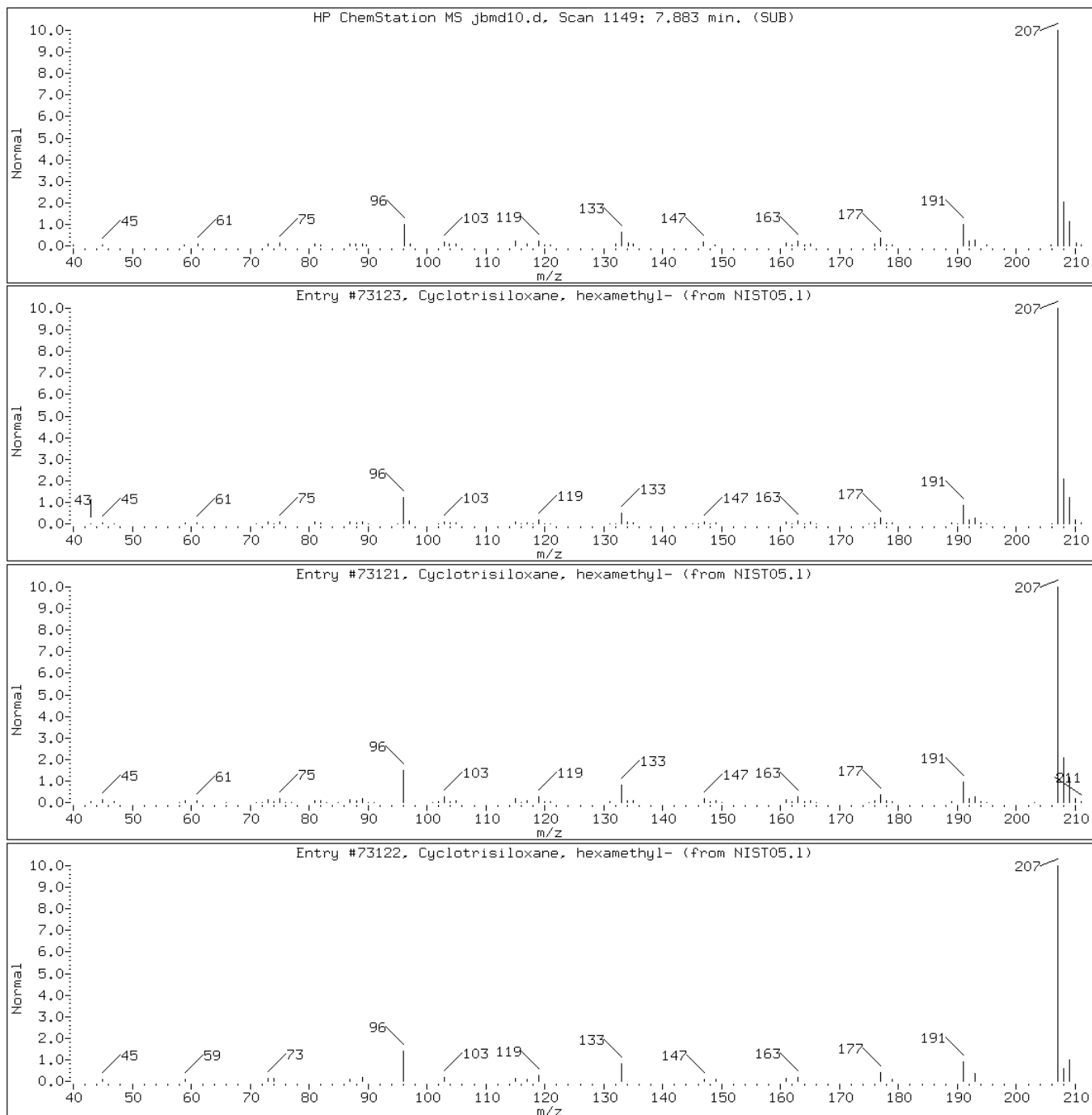


Data File: jbmd10.d
Lab Sample ID: VIBLK
Client ID: VIBLKJN
Sample Info: VIBLK

Date: 23-SEP-2010 19:18
Instrument: J.i
Operator: JH2

Retention Time: 7.88

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	90	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	49	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	43	C6H18O3Si3	222



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmdsmtr.b/jbmd12.d
Lab Smp Id: VIBLK Client Smp ID: VIBLKJO
Inj Date : 23-SEP-2010 20:13
Operator : JH2 Inst ID: J.i
Smp Info : VIBLK
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2 Quant Type: ISTD
Cal Date : 21-SEP-2010 17:24 Cal File: jbm08.d
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ng)	(ug/L)
1 Dichlorodifluoromethane	85							
2 Chloromethane	50							
\$ 3 Vinyl chloride-d3	65		1.556	1.563	(0.278)	248498	123.990	5.0
4 Vinyl chloride	62							
5 Bromomethane	94							
\$ 6 Chloroethane-d5	69		1.861	1.867	(0.333)	206432	125.698	5.0
7 Chloroethane	64							
8 Trichlorofluoromethane	101							
\$ 9 1,1-Dichloroethene-d2	63		2.475	2.481	(0.443)	304183	95.8981	3.8(Q)
10 1,1-Dichloroethene	96							
11 1,1,2-Trichloro-1,2,2-trifluo	101							
12 Acetone	43		2.536	2.536	(0.454)	5579	72.2886	2.9
13 Carbon disulfide	76							
14 Methyl acetate	43							
15 Methylene chloride	84							

						CONCENTRATIONS		
		QUANT	SIG			ON-COLUMN	FINAL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
=====		=====	==	=====	=====	=====	=====	=====
	16 trans-1,2-Dichloroethene	96		Compound	Not Detected.			
	17 Methyl tert-butyl ether	73		Compound	Not Detected.			
	18 1,1-Dichloroethane	63		Compound	Not Detected.			
\$	19 2-Butanone-d5	46	4.148	4.148	(0.742)	149573	1261.18	50
	20 cis-1,2-Dichloroethene	96		Compound	Not Detected.			
	21 2-Butanone	43		Compound	Not Detected.			
	22 Bromochloromethane	128		Compound	Not Detected.			
\$	23 Chloroform-d	84	4.525	4.525	(0.810)	362706	126.214	5.0(Q)
	24 Chloroform	83		Compound	Not Detected.			
	25 1,1,1-Trichloroethane	97		Compound	Not Detected.			
	26 Cyclohexane	56		Compound	Not Detected.			
	27 Carbon tetrachloride	117		Compound	Not Detected.			
\$	28 1,2-Dichloroethane-d4	65	5.097	5.097	(0.912)	123566	134.509	5.4
\$	29 Benzene-d6	84	5.109	5.109	(0.569)	836122	129.400	5.2
	30 Benzene	78		Compound	Not Detected.			
	31 1,2-Dichloroethane	62		Compound	Not Detected.			
*	32 1,4-Difluorobenzene	114	5.590	5.590	(1.000)	748692	125.000	
	33 Trichloroethene	95	5.882	5.882	(0.656)	8813	4.59039	0.18
\$	34 1,2-Dichloropropane-d6	67	6.034	6.040	(0.672)	192434	112.924	4.5
	35 Methylcyclohexane	55		Compound	Not Detected.			
	36 1,2-Dichloropropane	63		Compound	Not Detected.			
	37 Bromodichloromethane	83		Compound	Not Detected.			
	38 cis-1,3-Dichloropropene	75		Compound	Not Detected.			
	39 4-Methyl-2-pentanone	43		Compound	Not Detected.			
\$	40 Toluene-d8	98	7.275	7.275	(0.811)	794547	125.099	5.0
	41 Toluene	91		Compound	Not Detected.			
\$	42 trans-1,3-Dichloropropene-d4	79	7.591	7.591	(0.846)	146417	124.391	5.0
	43 trans-1,3-Dichloropropene	75		Compound	Not Detected.			
	44 1,1,2-Trichloroethane	97		Compound	Not Detected.			
	45 Tetrachloroethene	163		Compound	Not Detected.			
\$	46 2-Hexanone-d5	63	8.090	8.090	(0.902)	138902	1245.44	50
	47 2-Hexanone	43		Compound	Not Detected.			
	48 Dibromochloromethane	129		Compound	Not Detected.			
	49 1,2-Dibromoethane	107		Compound	Not Detected.			
*	50 Chlorobenzene-d5	117	8.972	8.972	(1.000)	572952	125.000	
	51 Chlorobenzene	112		Compound	Not Detected.			
	52 Ethylbenzene	91		Compound	Not Detected.			
	53 m,p-Xylene	106		Compound	Not Detected.			
	54 Styrene	104		Compound	Not Detected.			
	55 o-Xylene	106		Compound	Not Detected.			
	56 Bromoform	172		Compound	Not Detected.			
	57 Isopropylbenzene	105		Compound	Not Detected.			
\$	58 1,1,2,2-Tetrachloroethane-d2	84	10.566	10.560	(1.178)	69424	130.545	5.2
	59 1,1,2,2-Tetrachloroethane	83		Compound	Not Detected.			
	60 1,3-Dichlorobenzene	146		Compound	Not Detected.			
*	61 1,4-Dichlorobenzene-d4	152	11.807	11.807	(1.000)	243780	125.000	
	62 1,4-Dichlorobenzene	146		Compound	Not Detected.			

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.245	12.245	(1.037)	179938	133.779	5.4(Q)
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jbmdsmtr.b/jbmd12.d
Lab Smp Id: VIBLK Client Smp ID: VIBLKJ0
Inj Date : 23-SEP-2010 20:13
Operator : JH2 Inst ID: J.i
Smp Info : VIBLK
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jbmdsmtr.b/somtr5t.m
Meth Date : 24-Sep-2010 06:29 jh2 Quant Type: ISTD
Cal Date : 21-SEP-2010 17:24 Cal File: jbm08.d
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable

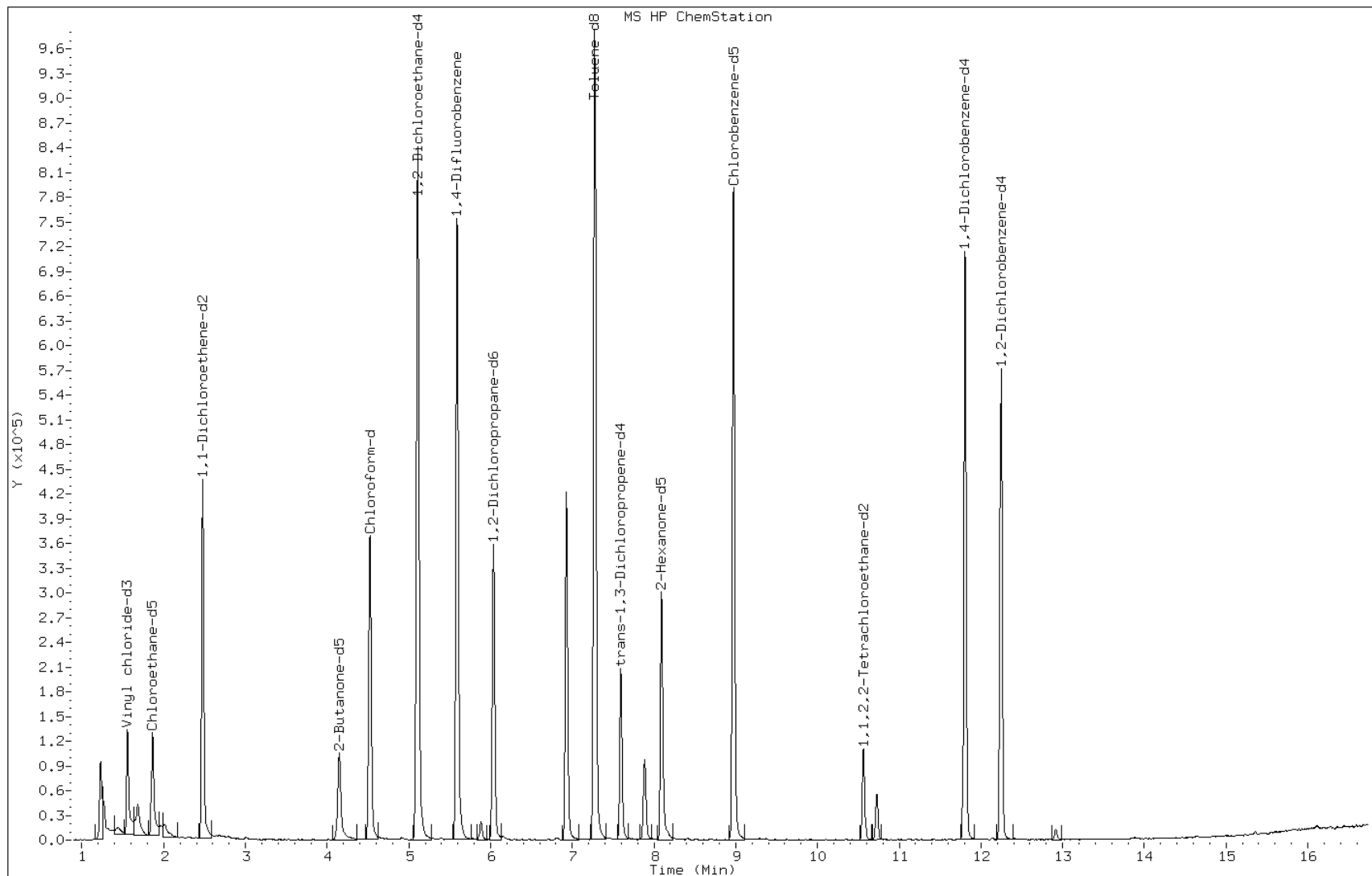
Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.590	1646444	125.000
* 50 Chlorobenzene-d5	8.972	1653490	125.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
6.928	884356	67.1413546	2.7	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.883	241062	18.2237127	0.73	91	NIST05.1	73123	50

Data File: jbmd12.d
Client ID: VIBLKJ0
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: VIBLK
Lab Sample ID: VIBLK

Date: 23-SEP-2010 20:13
Instrument: J.i
Inj Vol: 25.0
Diameter: 0.20



Data File: jbm12.d

Lab Sample ID: VIBLK

Client ID: VIBLKJ0

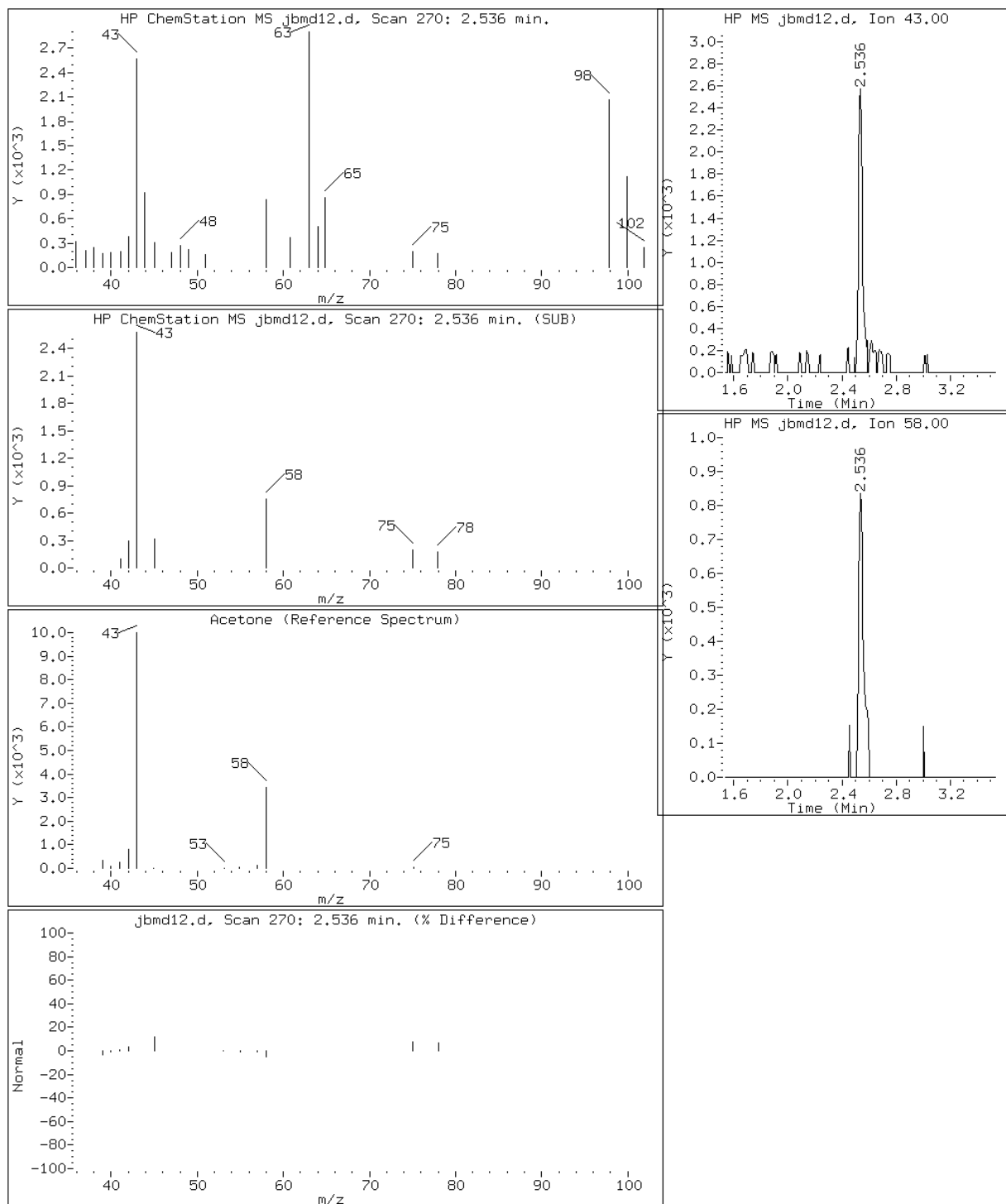
Sample Info: VIBLK

Date: 23-SEP-2010 20:13

Instrument: J.i

Operator: JH2

12 Acetone



Data File: jbmdd12.d

Lab Sample ID: VIBLK

Client ID: VIBLKJ0

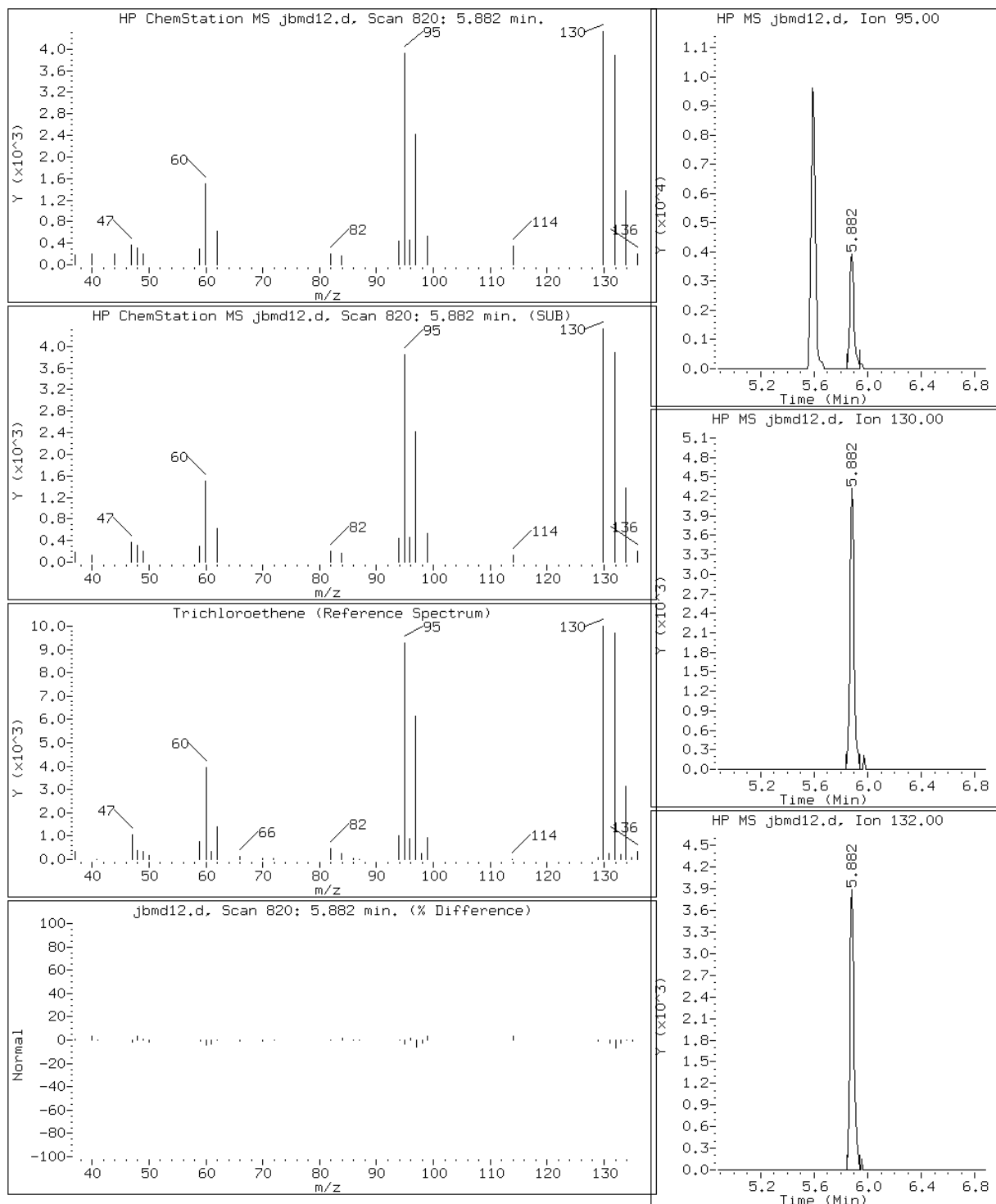
Sample Info: VIBLK

Date: 23-SEP-2010 20:13

Instrument: J.i

Operator: JH2

33 Trichloroethene

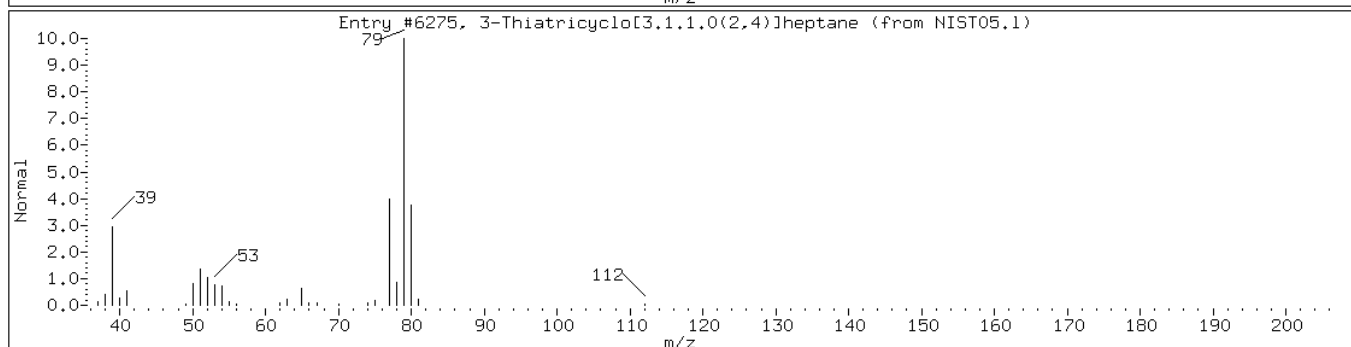
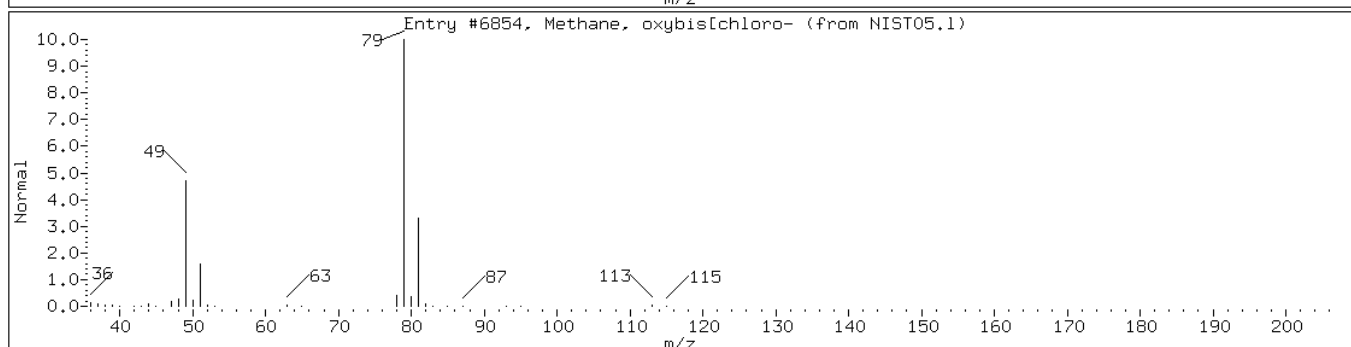
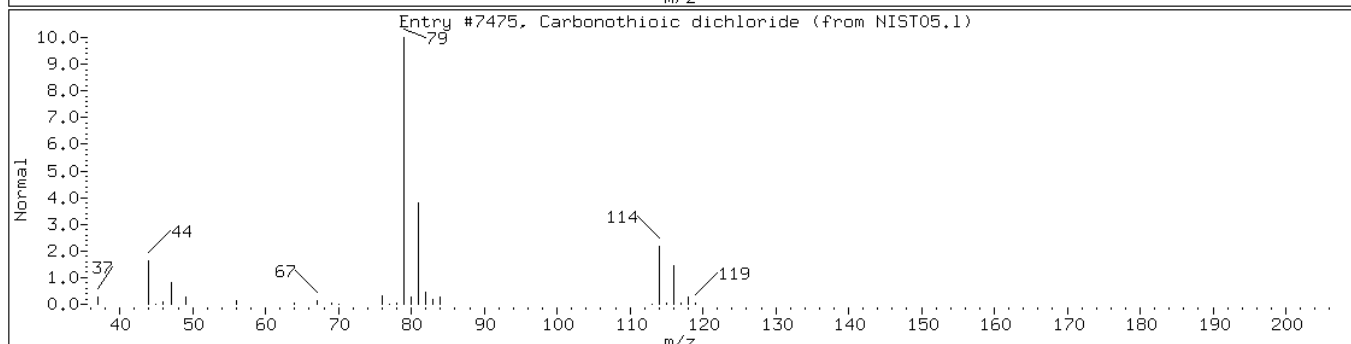
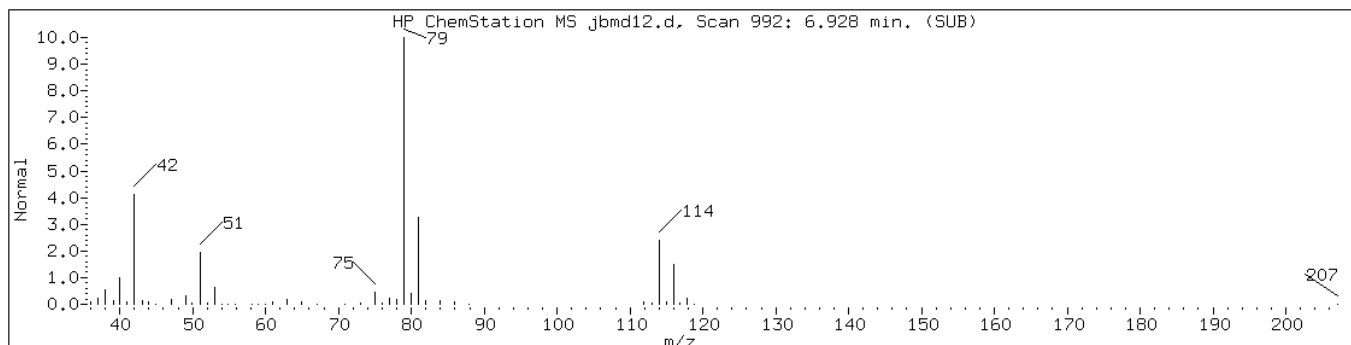


Data File: jbm12.d
Lab Sample ID: VIBLK
Client ID: VIBLKJ0
Sample Info: VIBLK

Date: 23-SEP-2010 20:13
Instrument: J.i
Operator: JH2

Retention Time: 6.93

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.1	6275	37	C6H8S	112

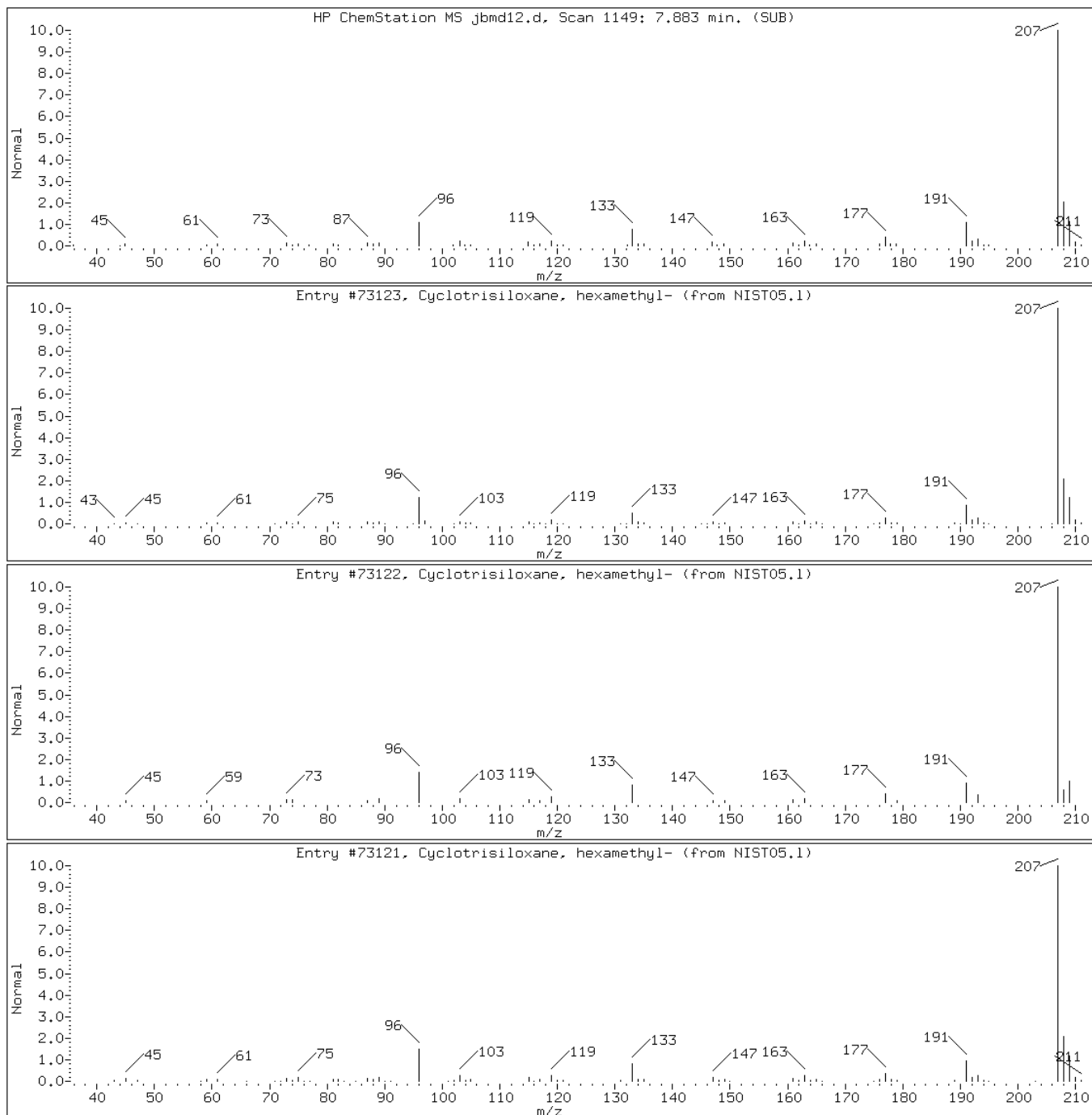


Data File: jbm12.d
Lab Sample ID: VIBLK
Client ID: VIBLKJ0
Sample Info: VIBLK

Date: 23-SEP-2010 20:13
Instrument: J.i
Operator: JH2

Retention Time: 7.88

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	91	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	80	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	49	C6H18O3Si3	222



6837 (2422)

10/06/2010

BR-FVM042:06.07.10:1
TestAmerica

6993

Handwritten signature: *Fr. 92310*

Legend: C=Complete ■ R=Reanalyze ■ = High ■ ↓= Low ■ ✓=Reviewed and Acceptable

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7052

GC/MS VOA INSTRUMENT RUN LOG

Sequence		Standard Traceability		Instrument Information		Instrument Performance Checks				
Batch ID:	JBMD SMTR	BFB Lot#	27763	Instrument: HP5973	Instrument ID: J	104	RF Summary			
Test Method:	SOMTRACE	ISTD Lot #:	48014	Column Type: Capillary RTX-624			Internal Standard Response			
ICAL Date:	9/24/10	Surrogate Lot #	48173	Purge Volume: ☐ 5 mL ☐ 10 mL ☒ 25 mL			RT & Ratios Updated			
Start Date:	9/23/10	CAL STD Lot #	48177				Batch MS/MSD was not performed due to insufficient sample volume			
End Date:	9/24/10	LCS/MS Lot #								
Individual Sample Review										
Injection Time	TALS ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	Comments
1514	JBMD01	BFB JF			JH2	-	-	✓	JH2	checklist ✓
1526	02	CCV15/VSTDB JF				✓	✓	✓		
1554	03	V134				-	-	✓		
1622	04	MB/VB4 JF				✓	✓	✓		
1652	05	1636-C-1		100%		✓	✓	✓		M.C. TCE 76
1725	06	V134-JL				✓	✓	✓		M.C. Ace 53 - ok per 59
1754	07	1636-B-3	33 JF	13.2 mL		✓	✓	✓		M.C. TCE 590
1821	08	V134-JM				✓	✓	✓		M.C. TCE 730
1849	09	1036-B-4	4.0 JF	11 mL		✓	✓	✓		M.C. TCE 720
1918	10	V134-JN				✓	✓	✓		M.C. TCE 720
1945	11	1636-B-5	1.2 JF	37 mL		✓	✓	✓		M.C. TCE 720
2013	12	V134-JO				✓	✓	✓		M.C. TCE 720
2041	13	1636-B-6		100%		✓	✓	✓		M.C. TCE 720
2109	14	1636-B-7		100%		✓	✓	✓		M.C. TCE 720
2138	15	1626-B-1				✓	✓	✓		M.C. TCE 720
2206	16	1626-B-2				✓	✓	✓		M.C. TCE 720
2234	17	1626-B-3				✓	✓	✓		M.C. TCE 720
2302	18	1626-B-4				✓	✓	✓		M.C. TCE 720
2330	19	1626-B-5				✓	✓	✓		M.C. TCE 720
2358	20	1626-B-6				✓	✓	✓		M.C. TCE 720
2426	21	1626-B-7				✓	✓	✓		M.C. TCE 720
2454	22	1626-B-8				✓	✓	✓		M.C. TCE 720
2522	23	1626-B-9				✓	✓	✓		M.C. TCE 720
2550	24	1626-B-10				✓	✓	✓		M.C. TCE 720
2618	25	CCV15/VSTDB JF				✓	✓	✓		M.C. TCE 720
2646	26	CCV15				✓	✓	✓		M.C. TCE 720
Grand Closing Not needed										
JH2 4/24/10										

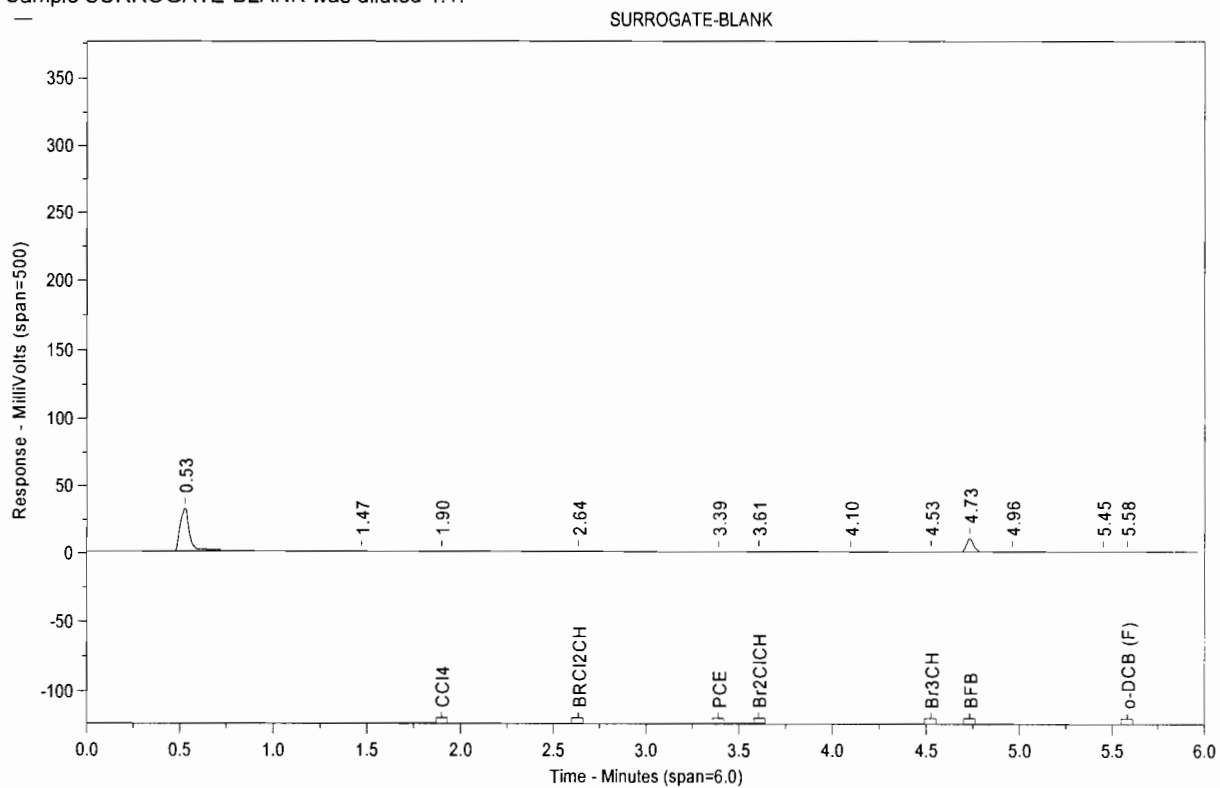
Legend: C=Complete R=Reanalyze = High = Low = ✓=Reviewed and Acceptable

Sample Name: SURROGATE-BLANK

Data File: C:\CPSpirit5\Data2\VoaE092210.0003.RAW

Acquired from Instrument 1 on 9/22/10 12:32:59 PM by

Sample SURROGATE-BLANK was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	31845.14	4.10		0	25.84
1.47		0	44.53	4.53	Br3CH	0	230.50
1.90	CCl4	0	44.68	4.73	BFB	457	9715.62
2.64	BRCI2CH	0	51.68	4.96		0	37.44
3.39	PCE	0	61.11	5.45		0	27.25
3.61	Br2CICH	0	80.43	5.58	o-DCB (F)	1	29.42

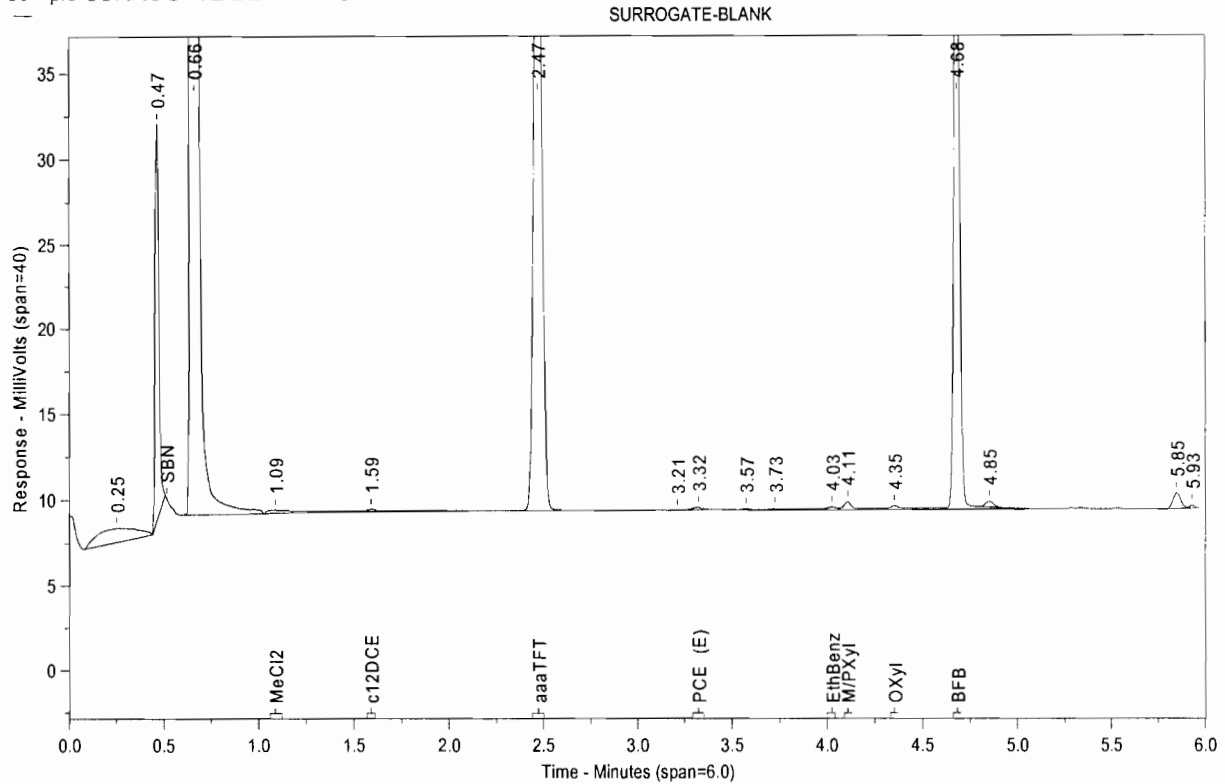
Surrogate BFB recovery is 114.3%

Sample Name: SURROGATE-BLANK

Data File: C:\CPSpirit5\Data2\VoaF092210.0003.RAW

Acquired from Instrument 1 on 9/22/10 12:32:59 PM by

Sample SURROGATE-BLANK was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.25		0	838.95	3.73		0	96.05
0.47		0	23219.47	4.03	EthBenz	1	181.54
0.66		0	541577.13	4.11	M/PXyl	1	471.58
1.09	MeCl2	1	199.30	4.35	OXyl	1	241.39
1.59	c12DCE	2	149.05	4.68	BFB	434	44585.34
2.47	aaaTFT	351	44297.79	4.85		0	333.98
3.21		0	43.29	5.85		0	918.39
3.32	PCE (E)	3	153.14	5.93		0	178.00
3.57		0	95.26				

Surrogate aaaTFT recovery is 87.8%

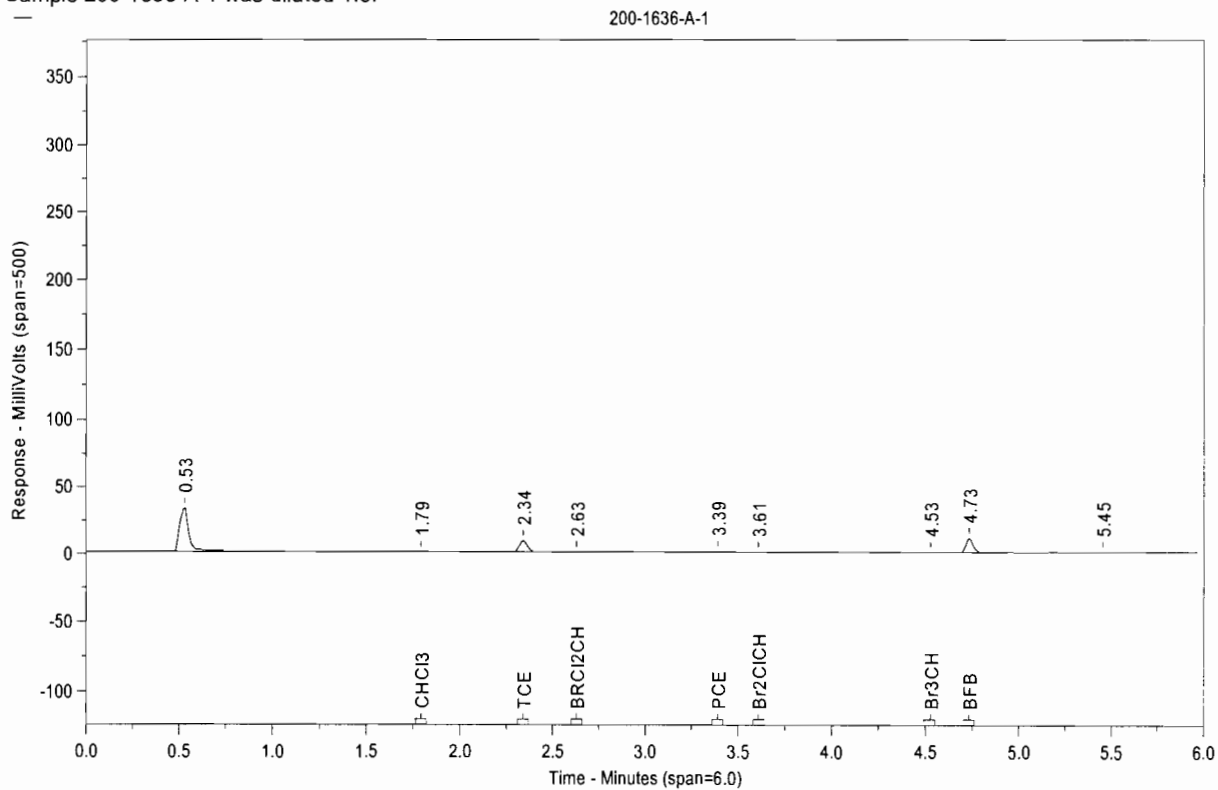
Surrogate BFB recovery is 108.6%

Sample Name: 200-1636-A-1

Data File: C:\CPSpirit5\Data2\VoaE092210.0004.RAW

Acquired from Instrument 1 on 9/22/10 12:44:18 PM by

Sample 200-1636-A-1 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	33394.03	3.61	Br2ClCH	0	35.40
1.79	CHCl3	0	46.77	4.53	Br3CH	1	67.06
2.34	TCE	77	8323.33	4.73	BFB	2510	10543.65
2.63	BRCI2CH	0	42.70	5.45		0	31.06
3.39	PCE	1	436.86				

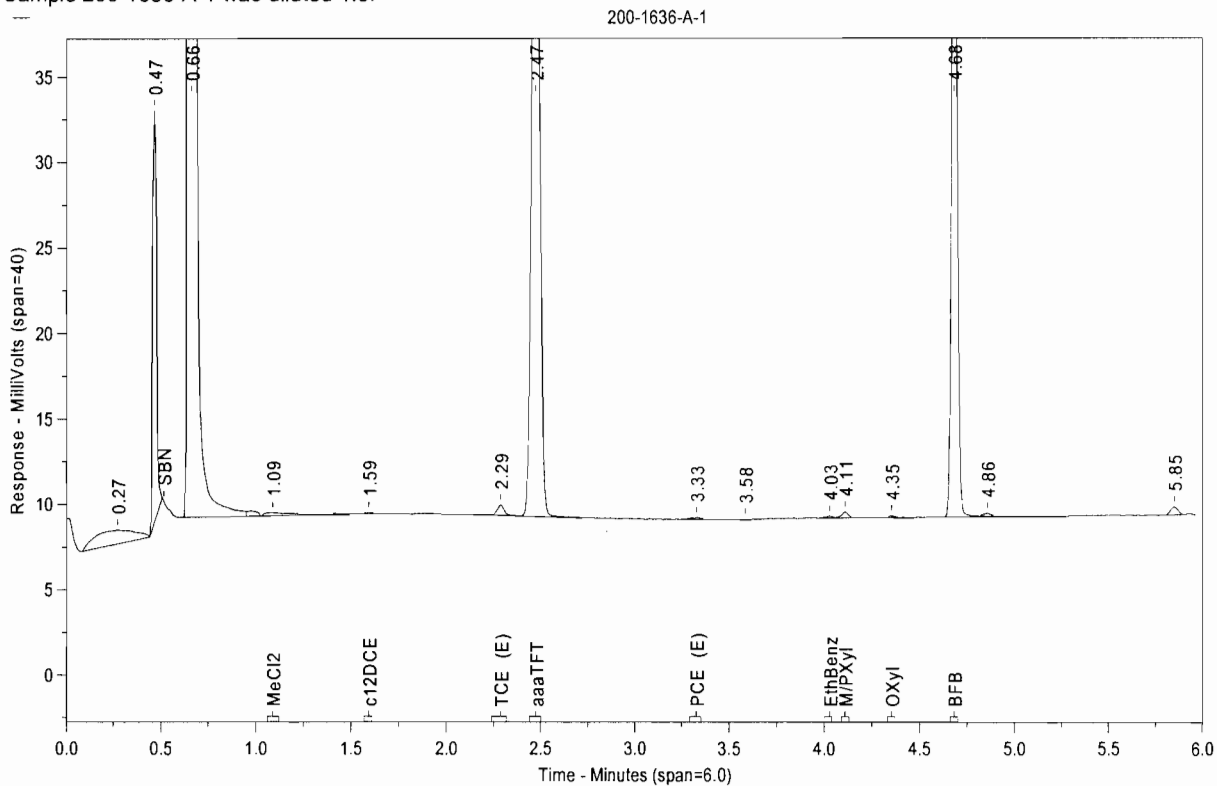
Surrogate BFB recovery is 125.5%

Sample Name: 200-1636-A-1

Data File: C:\CPSpirit5\Data2\VoaF092210.0004.RAW

Acquired from Instrument 1 on 9/22/10 12:44:18 PM by

Sample 200-1636-A-1 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	787.18	3.58		0	32.61
0.47		0	24157.09	4.03	EthBenz	1	123.75
0.66		0	615705.56	4.11	M/PXyl	2	356.96
1.09	MeCl2	4	189.11	4.35	OXyl	0	125.08
1.59	c12DCE	7	106.33	4.68	BFB	2381	48875.72
2.29	TCE (E)	63	621.77	4.86		0	166.72
2.47	aaaTFT	1897	47836.37	5.85		0	473.15
3.33	PCE (E)	12	124.86				

Surrogate aaaTFT recovery is 94.8%

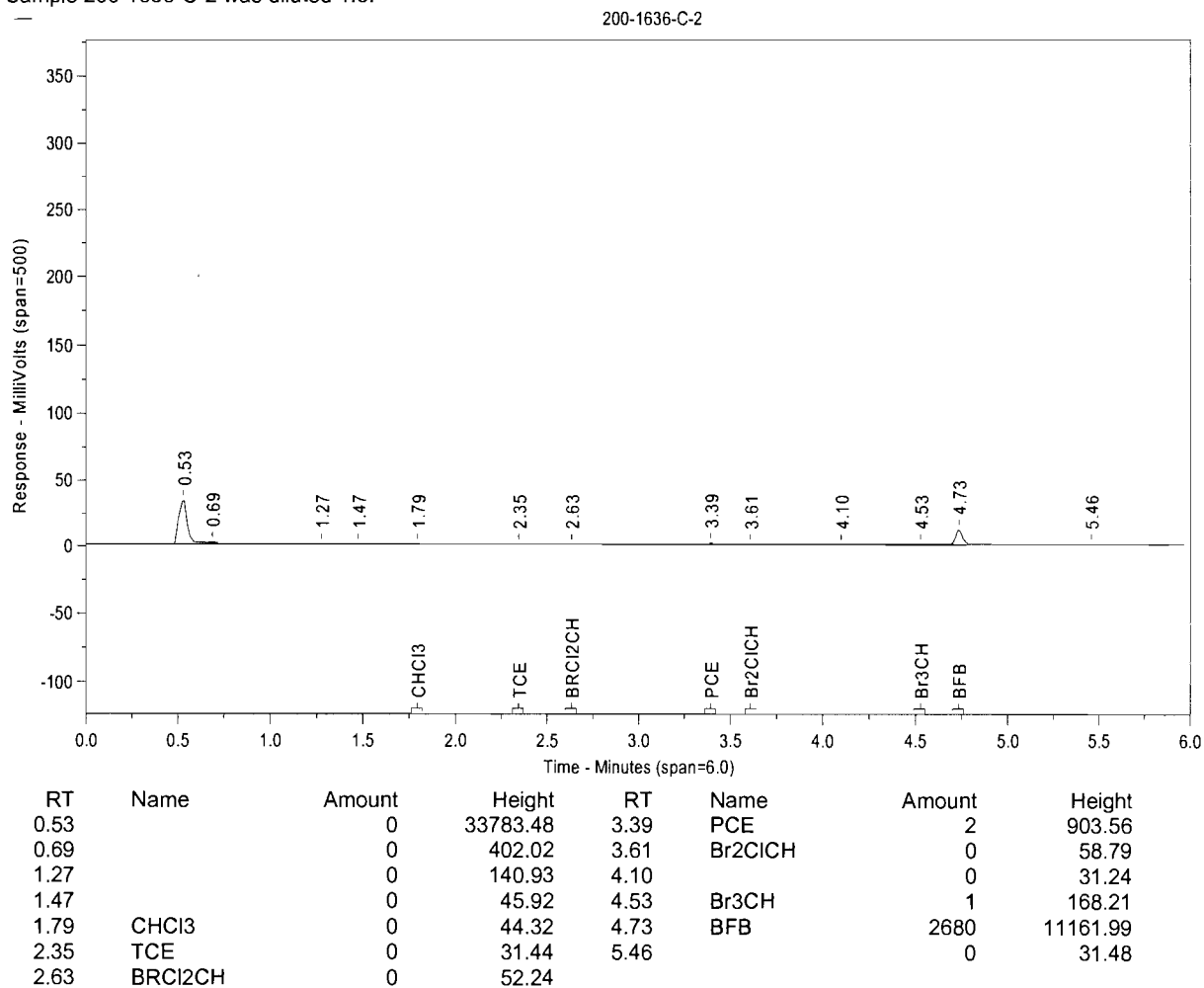
Surrogate BFB recovery is 119.1%

Sample Name: 200-1636-C-2

Data File: C:\CPSpirit5\Data2\VoaE092210.0005.RAW

Acquired from Instrument 1 on 9/22/10 12:55:44 PM by

Sample 200-1636-C-2 was diluted 1:5.



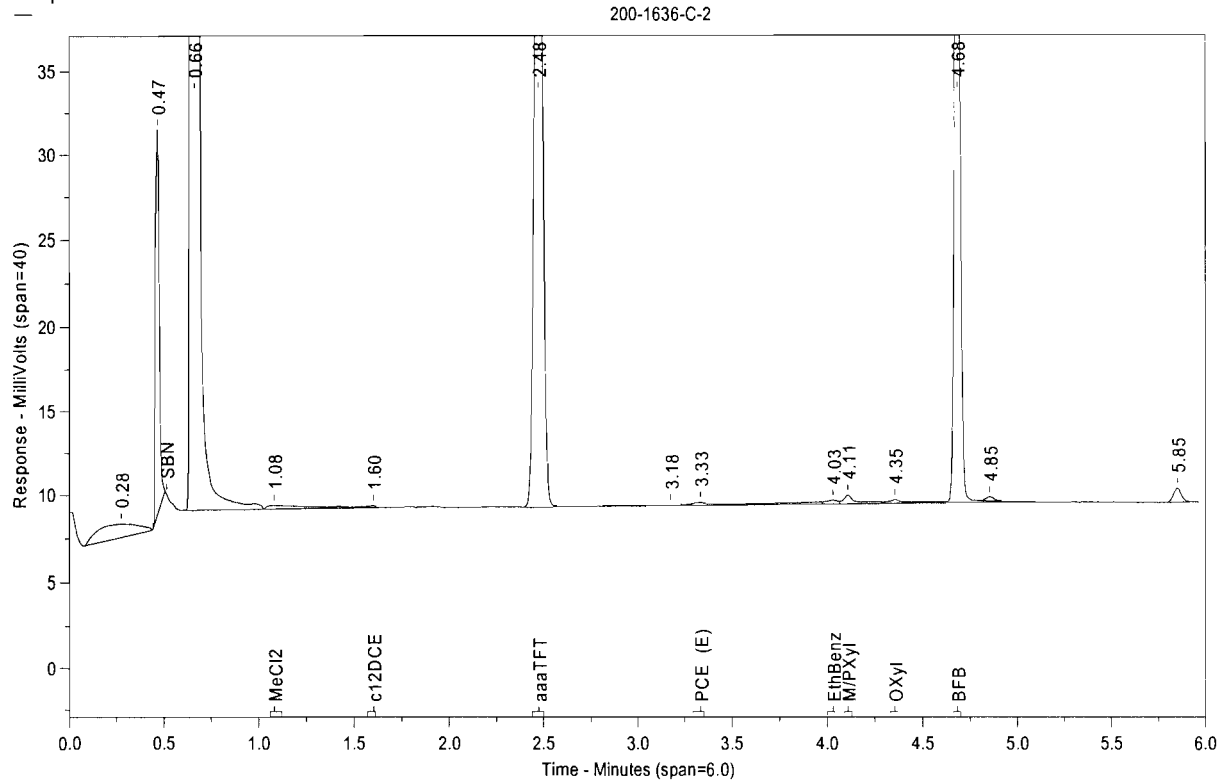
Surrogate BFB recovery is 134.%

Sample Name: 200-1636-C-2

Data File: C:\CPSpirit5\Data2\VoaF092210.0005.RAW

Acquired from Instrument 1 on 9/22/10 12:55:44 PM by

Sample 200-1636-C-2 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.28		0	770.39	3.33	PCE (E)	16	189.22
0.47		0	22858.43	4.03	EthBenz	4	237.24
0.66		0	627668.56	4.11	M/PXyl	5	527.07
1.08	MeCl2	11	229.33	4.35	OXyl	3	231.45
1.60	c12DCE	7	105.12	4.68	BFB	2549	52334.09
2.48	aaaTFT	2010	50686.67	4.85		0	253.82
3.18		0	61.28	5.85		0	836.17

Surrogate aaaTFT recovery is 100.5%

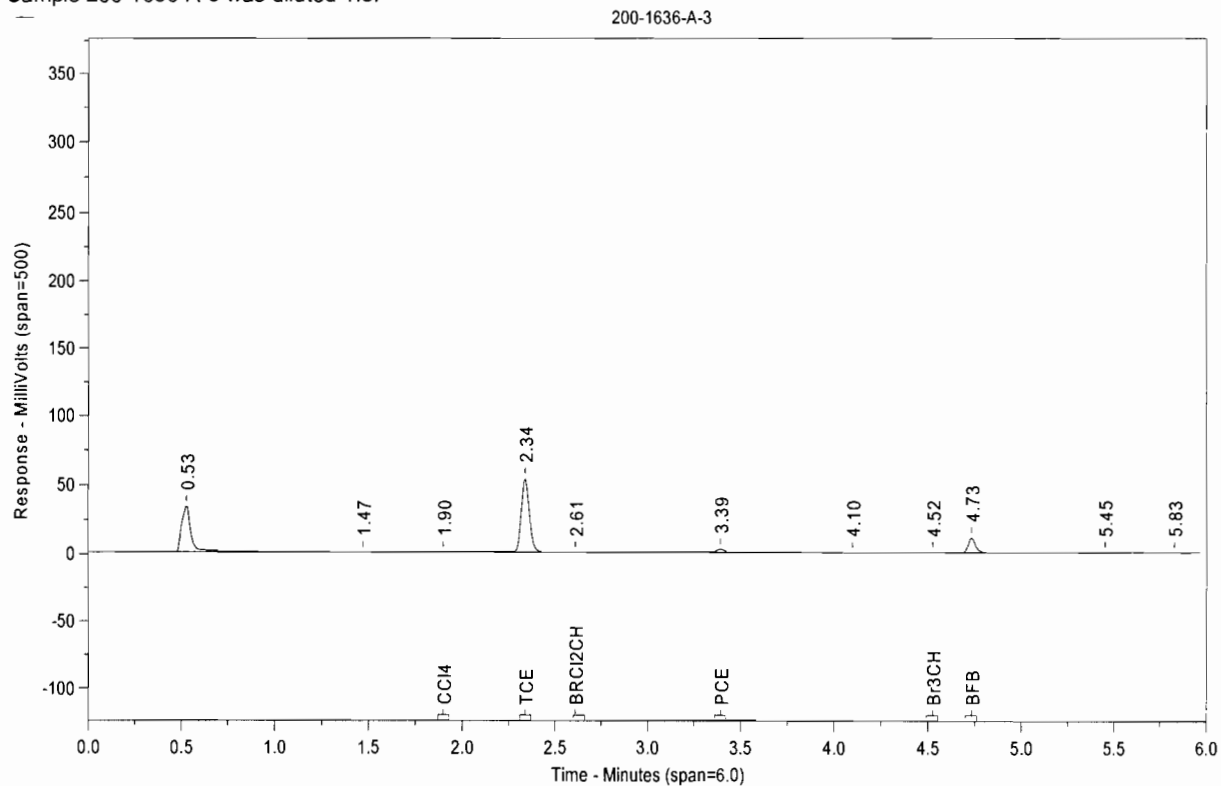
Surrogate BFB recovery is 127.5%

Sample Name: 200-1636-A-3

Data File: C:\CPSpirit5\Data2\VoaE092210.0006.RAW

Acquired from Instrument 1 on 9/22/10 1:07:07 PM by

Sample 200-1636-A-3 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	33254.33	4.10		0	24.80
1.47		0	44.78	4.52	Br3CH	0	45.51
1.90	CCl4	0	68.56	4.73	BFB	2595	10853.67
2.34	TCE	599	53270.64	5.45		0	30.95
2.61	BRCI2CH	0	39.77	5.83		0	32.07
3.39	PCE	6	2412.09				

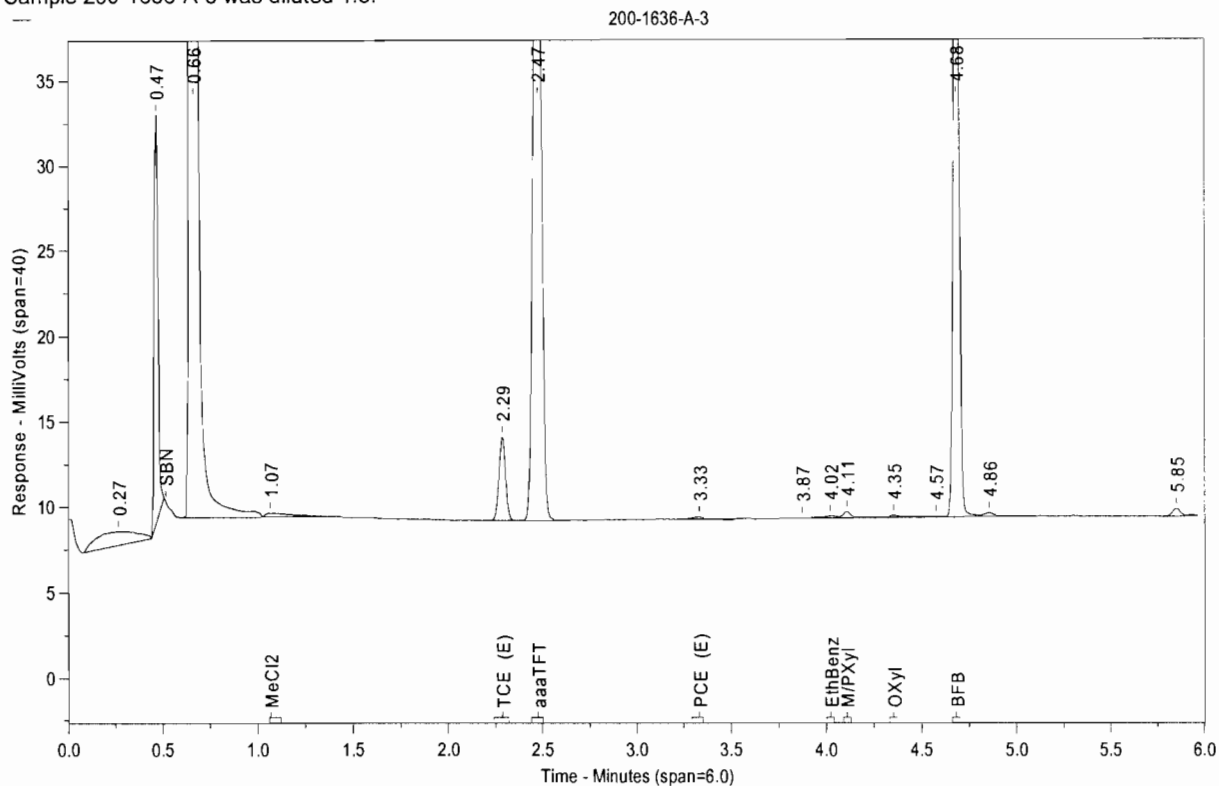
Surrogate BFB recovery is 129.8%

Sample Name: 200-1636-A-3

Data File: C:\CPSpirit5\Data2\VoaF092210.0006.RAW

Acquired from Instrument 1 on 9/22/10 1:07:07 PM by

Sample 200-1636-A-3 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	798.64	4.02	EthBenz	2	132.96
0.47		0	23970.12	4.11	M/PXyl	2	377.20
0.66		0	623241.31	4.35	OXyl	1	141.46
1.07	MeCl2	6	202.26	4.57		0	55.08
2.29	TCE (E)	514	4990.98	4.68	BFB	2466	50613.91
2.47	aaaTFT	1931	48683.99	4.86		0	223.43
3.33	PCE (E)	13	154.07	5.85		0	449.58
3.87		0	50.31				

Surrogate aaaTFT recovery is 96.5%

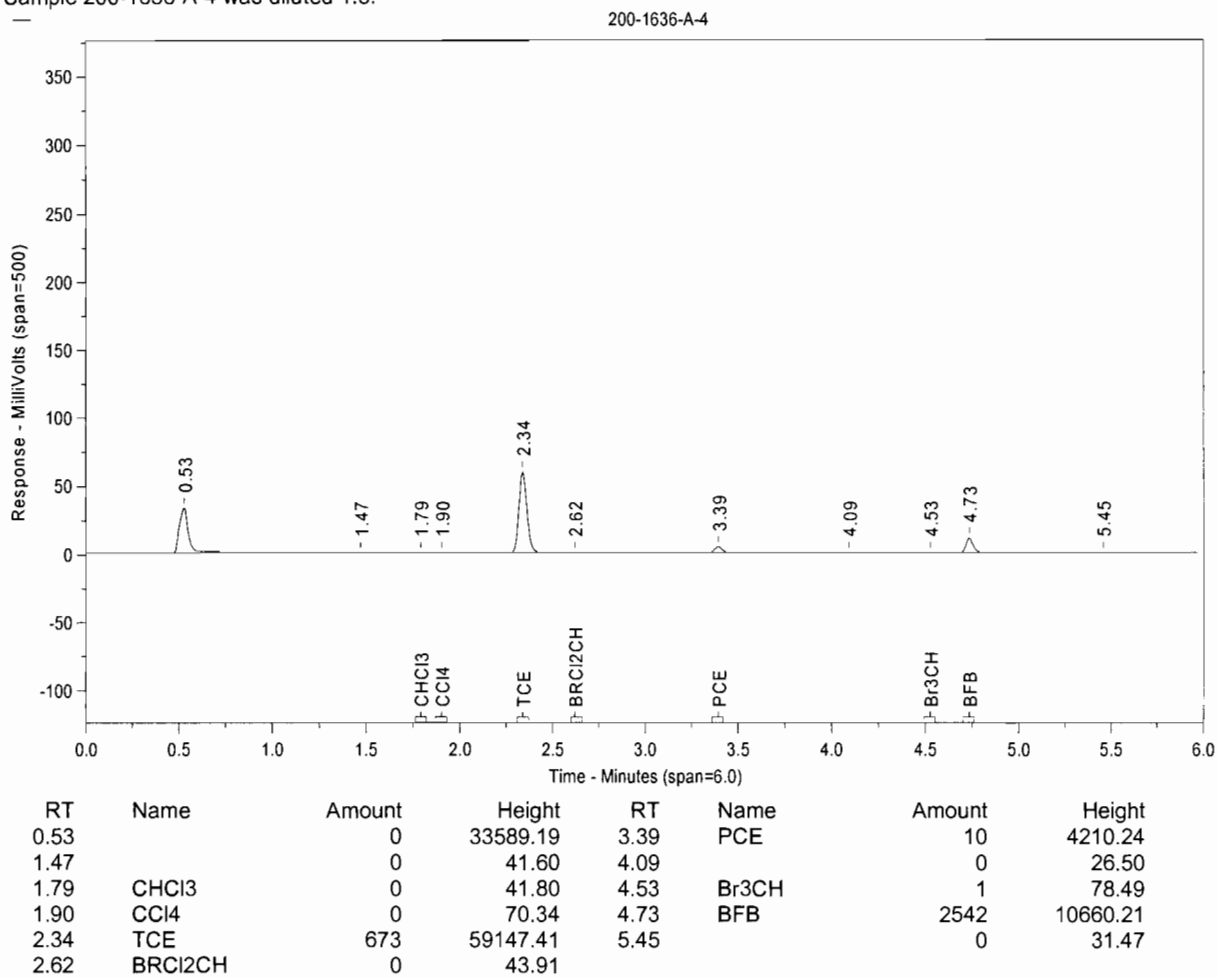
Surrogate BFB recovery is 123.3%

Sample Name: 200-1636-A-4

Data File: C:\CPSpirit5\Data2\VoaE092210.0007.RAW

Acquired from Instrument 1 on 9/22/10 1:18:33 PM by

Sample 200-1636-A-4 was diluted 1:5.



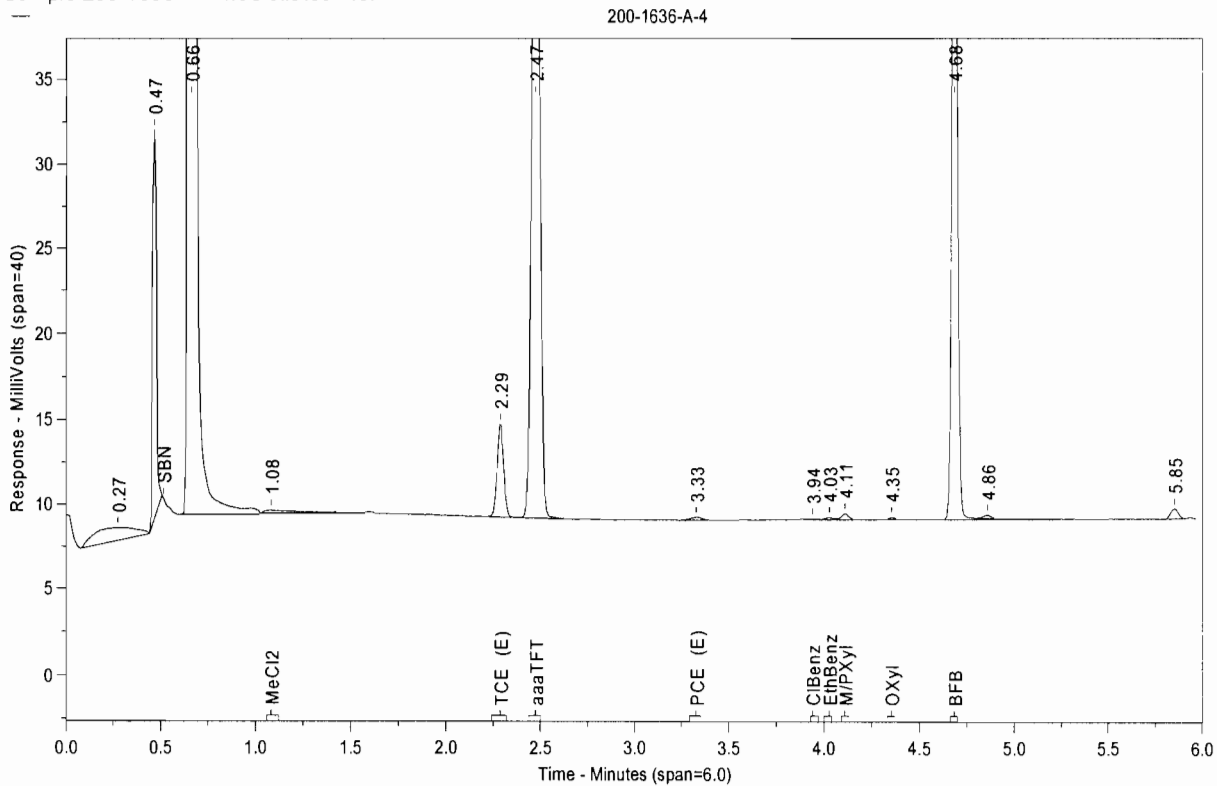
Surrogate BFB recovery is 127.1%

Sample Name: 200-1636-A-4

Data File: C:\CPSpirit5\Data2\VoaF092210.0007.RAW

Acquired from Instrument 1 on 9/22/10 1:18:33 PM by

Sample 200-1636-A-4 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	774.81	3.94	ClBenz	1	39.79
0.47		0	22987.32	4.03	EthBenz	1	122.94
0.66		0	611107.38	4.11	M/PXyl	2	357.25
1.08	MeCl2	3	179.36	4.35	OXyl	0	128.27
2.29	TCE (E)	580	5632.45	4.68	BFB	2411	49486.17
2.47	aaaTFT	1882	47448.69	4.86		0	212.37
3.33	PCE (E)	15	180.99	5.85		0	613.17

Surrogate aaaTFT recovery is 94.1%

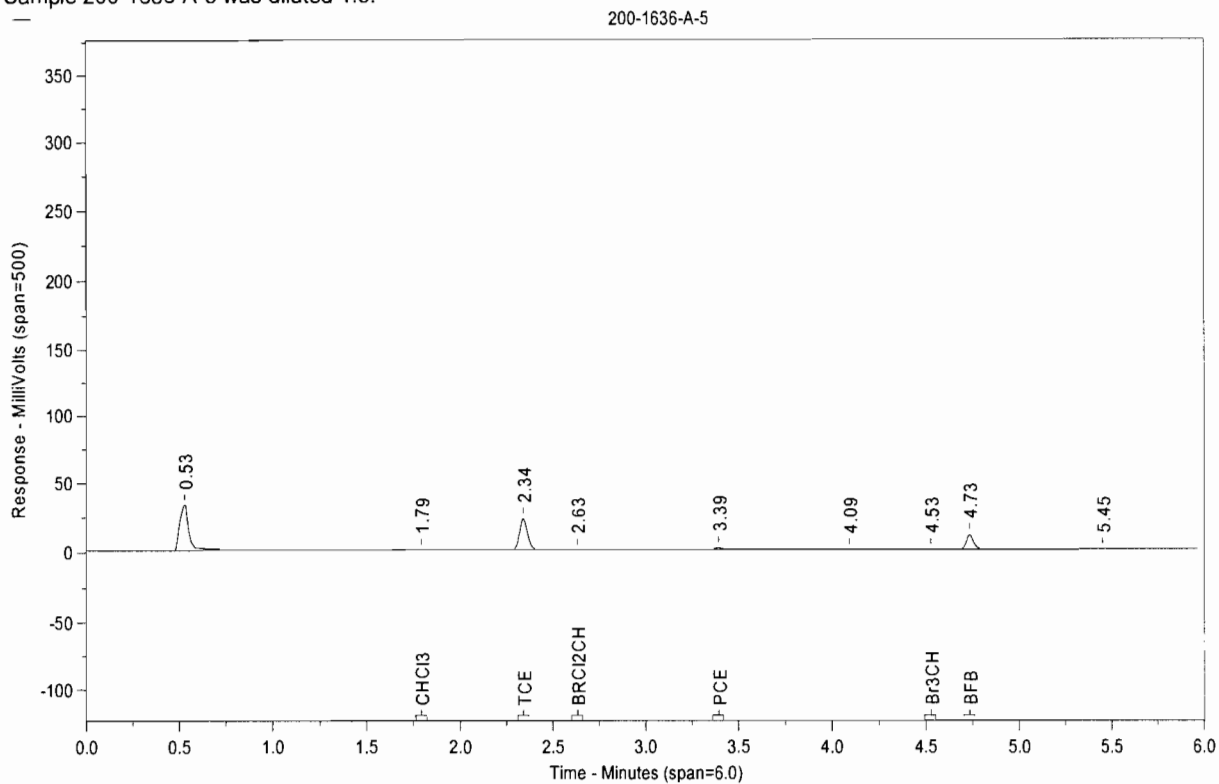
Surrogate BFB recovery is 120.5%

Sample Name: 200-1636-A-5

Data File: C:\CPSpirit5\Data2\VoaE092210.0008.RAW

Acquired from Instrument 1 on 9/22/10 1:29:51 PM by

Sample 200-1636-A-5 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	33633.79	4.09		0	24.20
1.79	CHCl3	0	30.83	4.53	Br3CH	0	43.19
2.34	TCE	229	22331.54	4.73	BFB	2495	10487.93
2.63	BRCI2CH	0	37.14	5.45		0	32.14
3.39	PCE	3	1331.60				

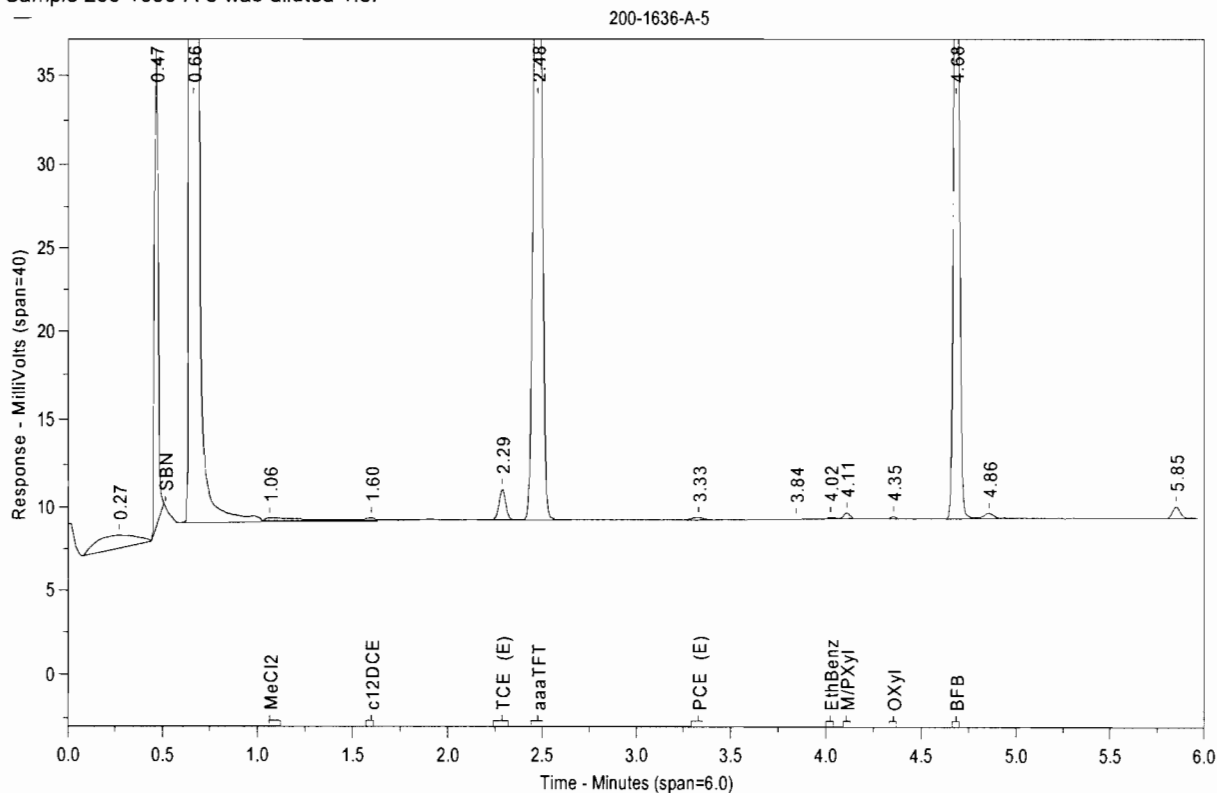
Surrogate BFB recovery is 124.8%

Sample Name: 200-1636-A-5

Data File: C:\CPSpirit5\Data2\VoaF092210.0008.RAW

Acquired from Instrument 1 on 9/22/10 1:29:51 PM by

Sample 200-1636-A-5 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	769.63	3.84		0	48.89
0.47		0	27748.42	4.02	EthBenz	1	109.19
0.66		0	602153.50	4.11	M/PXyl	2	360.31
1.06	MeCl2	3	179.83	4.35	OXyl	0	127.54
1.60	c12DCE	11	153.96	4.68	BFB	2359	48417.74
2.29	TCE (E)	189	1835.50	4.86		0	331.59
2.48	aaaTFT	1884	47518.38	5.85		0	716.67
3.33	PCE (E)	15	171.98				

Surrogate aaaTFT recovery is 94.2%

Surrogate BFB recovery is 117.9%

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-1636-1SDG No.: 200-1636-1Instrument ID: J.iStart Date: 09/21/2010 14:17Analysis Batch Number: 6837End Date: 09/22/2010 01:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-6837/1		09/21/2010 14:17	1	jbm01.d	DB-624 0.2 (mm)
IC 200-6837/2		09/21/2010 14:35	1	jbm02.d	DB-624 0.2 (mm)
IC 200-6837/3		09/21/2010 15:03	1	jbm03.d	DB-624 0.2 (mm)
ICIS 200-6837/4		09/21/2010 15:31	1	jbm04.d	DB-624 0.2 (mm)
IC 200-6837/5		09/21/2010 15:59	1	jbm05.d	DB-624 0.2 (mm)
VIBLK 200-6837/6		09/21/2010 16:28	1		DB-624 0.2 (mm)
VIBLK 200-6837/7		09/21/2010 16:56	1		DB-624 0.2 (mm)
IC 200-6837/8		09/21/2010 17:24	1	jbm08.d	DB-624 0.2 (mm)
VIBLK 200-6837/9		09/21/2010 17:53	1		DB-624 0.2 (mm)
ZZZZZ		09/21/2010 18:21	1		DB-624 0.2 (mm)
ZZZZZ		09/21/2010 18:57	1		DB-624 0.2 (mm)
ZZZZZ		09/21/2010 19:25	1		DB-624 0.2 (mm)
ZZZZZ		09/21/2010 19:53	1		DB-624 0.2 (mm)
ZZZZZ		09/21/2010 20:22	1		DB-624 0.2 (mm)
ZZZZZ		09/21/2010 20:50	1		DB-624 0.2 (mm)
ZZZZZ		09/21/2010 21:18	1		DB-624 0.2 (mm)
ZZZZZ		09/21/2010 21:46	1		DB-624 0.2 (mm)
ZZZZZ		09/21/2010 22:15	1		DB-624 0.2 (mm)
ZZZZZ		09/21/2010 22:43	1		DB-624 0.2 (mm)
ZZZZZ		09/21/2010 23:11	1		DB-624 0.2 (mm)
ZZZZZ		09/21/2010 23:39	1		DB-624 0.2 (mm)
ZZZZZ		09/22/2010 00:07	1		DB-624 0.2 (mm)
VIBLK 200-6837/23		09/22/2010 00:35	1		DB-624 0.2 (mm)
CCVC 200-6837/24		09/22/2010 01:03	1		DB-624 0.2 (mm)
CCVC 200-6837/25		09/22/2010 01:31	1		DB-624 0.2 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-1636-1SDG No.: 200-1636-1Instrument ID: J.iStart Date: 09/23/2010 06:19Analysis Batch Number: 6993End Date: 09/23/2010 14:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-6993/1		09/23/2010 06:19	1	jbm01.d	DB-624 0.2 (mm)
VIBLK 200-6993/2		09/23/2010 06:38	1		DB-624 0.2 (mm)
CCVIS 200-6993/3		09/23/2010 07:06	1	jbm03.d	DB-624 0.2 (mm)
VIBLK 200-6993/4		09/23/2010 07:35	1		DB-624 0.2 (mm)
MB 200-6993/5		09/23/2010 08:03	1	jbm05.d	DB-624 0.2 (mm)
ZZZZZ		09/23/2010 08:39	1.1		DB-624 0.2 (mm)
VIBLK 200-6993/7		09/23/2010 09:07	1		DB-624 0.2 (mm)
ZZZZZ		09/23/2010 09:35	1		DB-624 0.2 (mm)
ZZZZZ		09/23/2010 10:03	1		DB-624 0.2 (mm)
ZZZZZ		09/23/2010 10:32	1		DB-624 0.2 (mm)
ZZZZZ		09/23/2010 11:01	1		DB-624 0.2 (mm)
ZZZZZ		09/23/2010 11:29	1		DB-624 0.2 (mm)
200-1636-1 DL	ISCO-MW1 DL	09/23/2010 11:59	4.6	jbm13.d	DB-624 0.2 (mm)
200-1636-2	ISCO-MW2	09/23/2010 12:27	1	jbm14.d	DB-624 0.2 (mm)
200-1636-3 DL	ISCO-MW3 DL	09/23/2010 12:55	36.7	jbm15.d	DB-624 0.2 (mm)
200-1636-4 DL	ISCO-MW4 DL	09/23/2010 13:23	40	jbm16.d	DB-624 0.2 (mm)
200-1636-5 DL	ISCO-MW5 DL	09/23/2010 13:52	13.3	jbm17.d	DB-624 0.2 (mm)
ZZZZZ		09/23/2010 14:20	1		DB-624 0.2 (mm)
CCVC 200-6993/19		09/23/2010 14:48	1	jbm19.d	DB-624 0.2 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-1636-1SDG No.: 200-1636-1Instrument ID: J.iStart Date: 09/23/2010 15:14Analysis Batch Number: 7052End Date: 09/24/2010 02:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-7052/1		09/23/2010 15:14	1	jbgmd01.d	DB-624 0.2 (mm)
CCVIS 200-7052/2		09/23/2010 15:26	1	jbgmd02.d	DB-624 0.2 (mm)
VIBLK 200-7052/3		09/23/2010 15:54	1		DB-624 0.2 (mm)
MB 200-7052/4		09/23/2010 16:22	1	jbgmd04.d	DB-624 0.2 (mm)
200-1636-1	ISCO-MW1	09/23/2010 16:58	1	jbgmd05.d	DB-624 0.2 (mm)
VIBLK 200-7052/6		09/23/2010 17:25	1	jbgmd06.d	DB-624 0.2 (mm)
200-1636-3	ISCO-MW3	09/23/2010 17:54	3.3	jbgmd07.d	DB-624 0.2 (mm)
VIBLK 200-7052/8		09/23/2010 18:21	1	jbgmd08.d	DB-624 0.2 (mm)
200-1636-4	ISCO-MW4	09/23/2010 18:49	4	jbgmd09.d	DB-624 0.2 (mm)
VIBLK 200-7052/10		09/23/2010 19:18	1	jbgmd10.d	DB-624 0.2 (mm)
200-1636-5	ISCO-MW5	09/23/2010 19:45	1.2	jbgmd11.d	DB-624 0.2 (mm)
VIBLK 200-7052/12		09/23/2010 20:13	1	jbgmd12.d	DB-624 0.2 (mm)
200-1636-6	TB	09/23/2010 20:41	1	jbgmd13.d	DB-624 0.2 (mm)
200-1636-7	VHBLK01	09/23/2010 21:09	1	jbgmd14.d	DB-624 0.2 (mm)
ZZZZZ		09/23/2010 21:38	1		DB-624 0.2 (mm)
ZZZZZ		09/23/2010 22:06	1		DB-624 0.2 (mm)
ZZZZZ		09/23/2010 22:34	1		DB-624 0.2 (mm)
ZZZZZ		09/23/2010 23:02	1		DB-624 0.2 (mm)
ZZZZZ		09/23/2010 23:30	1		DB-624 0.2 (mm)
ZZZZZ		09/23/2010 23:58	1		DB-624 0.2 (mm)
ZZZZZ		09/24/2010 00:26	1		DB-624 0.2 (mm)
ZZZZZ		09/24/2010 00:54	1		DB-624 0.2 (mm)
ZZZZZ		09/24/2010 01:22	1		DB-624 0.2 (mm)
ZZZZZ		09/24/2010 01:50	1		DB-624 0.2 (mm)
CCVC 200-7052/25		09/24/2010 02:18	1	jbgmd25.d	DB-624 0.2 (mm)
CCVC 200-7052/26		09/24/2010 02:46	1		DB-624 0.2 (mm)

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Burlington

Job Number: 200-1636-1

SDG No.: 200-1636-1

Project: Lawrence Aviation

Client Sample ID

Lab Sample ID

ISCO-MW1

200-1636-1

ISCO-MW2

200-1636-2

ISCO-MW3

200-1636-3

ISCO-MW4

200-1636-4

ISCO-MW5

200-1636-5

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ISCO-MW1

Lab Sample ID: 200-1636-1

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/18/2010 11:15

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL	MDLE	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.99	0.20	0.052	ug/L			1	ILM05.4/ HG

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ISCO-MW1

Lab Sample ID: 200-1636-1

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/18/2010 11:15

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	10.0	10.0	1.0	ug/L	U		1	ILM05.4/ ICP
7429-90-5	Aluminum	1060	200	50.8	ug/L			1	ILM05.4/ ICP
7440-38-2	Arsenic	10.0	10.0	6.4	ug/L	U		1	ILM05.4/ ICP
7440-39-3	Barium	34.2	200	8.5	ug/L	J		1	ILM05.4/ ICP
7440-41-7	Beryllium	0.34	5.0	0.27	ug/L	J		1	ILM05.4/ ICP
7440-70-2	Calcium	21700	5000	168	ug/L			1	ILM05.4/ ICP
7440-43-9	Cadmium	5.0	5.0	0.72	ug/L	U		1	ILM05.4/ ICP
7440-48-4	Cobalt	50.0	50.0	0.90	ug/L	U		1	ILM05.4/ ICP
7440-47-3	Chromium	11.1	10.0	0.92	ug/L			1	ILM05.4/ ICP
7440-50-8	Copper	25.0	25.0	3.3	ug/L	U		1	ILM05.4/ ICP
7439-89-6	Iron	76.3	100	9.2	ug/L	J		1	ILM05.4/ ICP
7440-09-7	Potassium	6440	5000	201	ug/L			1	ILM05.4/ ICP
7439-95-4	Magnesium	10100	5000	66.6	ug/L			1	ILM05.4/ ICP
7439-96-5	Manganese	16.3	15.0	0.29	ug/L			1	ILM05.4/ ICP
7440-23-5	Sodium	28400	5000	73.8	ug/L			1	ILM05.4/ ICP
7440-02-0	Nickel	32.8	40.0	1.9	ug/L	J		1	ILM05.4/ ICP
7439-92-1	Lead	5.5	10.0	3.4	ug/L	J		1	ILM05.4/ ICP
7440-36-0	Antimony	60.0	60.0	4.7	ug/L	U		1	ILM05.4/ ICP
7782-49-2	Selenium	35.0	35.0	4.3	ug/L	U		1	ILM05.4/ ICP
7440-28-0	Thallium	25.0	25.0	1.8	ug/L	U		1	ILM05.4/ ICP
7440-66-6	Zinc	26.2	60.0	0.51	ug/L	J		1	ILM05.4/ ICP
7440-62-2	Vanadium	50.0	50.0	1.6	ug/L	U		1	ILM05.4/ ICP

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ISCO-MW2

Lab Sample ID: 200-1636-2

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/18/2010 12:50

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL	MDLE	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.20	0.20	0.052	ug/L	U		1	ILM05.4/ HG

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ISCO-MW2

Lab Sample ID: 200-1636-2

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/18/2010 12:50

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	10.0	10.0	1.0	ug/L	U		1	ILM05.4/ ICP
7429-90-5	Aluminum	9290	200	50.8	ug/L			1	ILM05.4/ ICP
7440-38-2	Arsenic	10.0	10.0	6.4	ug/L	U		1	ILM05.4/ ICP
7440-39-3	Barium	36.9	200	8.5	ug/L	J		1	ILM05.4/ ICP
7440-41-7	Beryllium	2.0	5.0	0.27	ug/L	J		1	ILM05.4/ ICP
7440-70-2	Calcium	19000	5000	168	ug/L			1	ILM05.4/ ICP
7440-43-9	Cadmium	5.0	5.0	0.72	ug/L	U		1	ILM05.4/ ICP
7440-48-4	Cobalt	50.0	50.0	0.90	ug/L	U		1	ILM05.4/ ICP
7440-47-3	Chromium	200	10.0	0.92	ug/L			1	ILM05.4/ ICP
7440-50-8	Copper	3.7	25.0	3.3	ug/L	J		1	ILM05.4/ ICP
7439-89-6	Iron	319	100	9.2	ug/L			1	ILM05.4/ ICP
7440-09-7	Potassium	28700	5000	201	ug/L			1	ILM05.4/ ICP
7439-95-4	Magnesium	8750	5000	66.6	ug/L			1	ILM05.4/ ICP
7439-96-5	Manganese	7010	15.0	0.29	ug/L			1	ILM05.4/ ICP
7440-23-5	Sodium	44600	5000	73.8	ug/L			1	ILM05.4/ ICP
7440-02-0	Nickel	182	40.0	1.9	ug/L			1	ILM05.4/ ICP
7439-92-1	Lead	7.8	10.0	3.4	ug/L	J		1	ILM05.4/ ICP
7440-36-0	Antimony	60.0	60.0	4.7	ug/L	U		1	ILM05.4/ ICP
7782-49-2	Selenium	35.0	35.0	4.3	ug/L	U		1	ILM05.4/ ICP
7440-28-0	Thallium	25.0	25.0	1.8	ug/L	U		1	ILM05.4/ ICP
7440-66-6	Zinc	25.2	60.0	0.51	ug/L	J		1	ILM05.4/ ICP
7440-62-2	Vanadium	2.1	50.0	1.6	ug/L	J		1	ILM05.4/ ICP

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ISCO-MW3

Lab Sample ID: 200-1636-3

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/18/2010 16:30

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL	MDLE	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.20	0.20	0.052	ug/L	U		1	ILM05.4/ HG

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ISCO-MW3

Lab Sample ID: 200-1636-3

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/18/2010 16:30

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	10.0	10.0	1.0	ug/L	U		1	ILM05.4/ ICP
7429-90-5	Aluminum	13500	200	50.8	ug/L			1	ILM05.4/ ICP
7440-38-2	Arsenic	10.0	10.0	6.4	ug/L	U		1	ILM05.4/ ICP
7440-39-3	Barium	113	200	8.5	ug/L	J		1	ILM05.4/ ICP
7440-41-7	Beryllium	2.0	5.0	0.27	ug/L	J		1	ILM05.4/ ICP
7440-70-2	Calcium	18100	5000	168	ug/L			1	ILM05.4/ ICP
7440-43-9	Cadmium	5.0	5.0	0.72	ug/L	U		1	ILM05.4/ ICP
7440-48-4	Cobalt	50.0	50.0	0.90	ug/L	U		1	ILM05.4/ ICP
7440-47-3	Chromium	24.1	10.0	0.92	ug/L			1	ILM05.4/ ICP
7440-50-8	Copper	5.7	25.0	3.3	ug/L	J		1	ILM05.4/ ICP
7439-89-6	Iron	764	100	9.2	ug/L			1	ILM05.4/ ICP
7440-09-7	Potassium	10700	5000	201	ug/L			1	ILM05.4/ ICP
7439-95-4	Magnesium	9210	5000	66.6	ug/L			1	ILM05.4/ ICP
7439-96-5	Manganese	42.8	15.0	0.29	ug/L			1	ILM05.4/ ICP
7440-23-5	Sodium	20200	5000	73.8	ug/L			1	ILM05.4/ ICP
7440-02-0	Nickel	312	40.0	1.9	ug/L			1	ILM05.4/ ICP
7439-92-1	Lead	4.3	10.0	3.4	ug/L	J		1	ILM05.4/ ICP
7440-36-0	Antimony	60.0	60.0	4.7	ug/L	U		1	ILM05.4/ ICP
7782-49-2	Selenium	35.0	35.0	4.3	ug/L	U		1	ILM05.4/ ICP
7440-28-0	Thallium	25.0	25.0	1.8	ug/L	U		1	ILM05.4/ ICP
7440-66-6	Zinc	17.3	60.0	0.51	ug/L	J		1	ILM05.4/ ICP
7440-62-2	Vanadium	2.2	50.0	1.6	ug/L	J		1	ILM05.4/ ICP

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ISCO-MW4

Lab Sample ID: 200-1636-4

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/19/2010 12:10

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL	MDLE	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.20	0.20	0.052	ug/L	U		1	ILM05.4/ HG

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ISCO-MW4

Lab Sample ID: 200-1636-4

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/19/2010 12:10

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	10.0	10.0	1.0	ug/L	U		1	ILM05.4/ ICP
7429-90-5	Aluminum	8740	200	50.8	ug/L			1	ILM05.4/ ICP
7440-38-2	Arsenic	10.0	10.0	6.4	ug/L	U		1	ILM05.4/ ICP
7440-39-3	Barium	67.6	200	8.5	ug/L	J		1	ILM05.4/ ICP
7440-41-7	Beryllium	1.5	5.0	0.27	ug/L	J		1	ILM05.4/ ICP
7440-70-2	Calcium	14500	5000	168	ug/L			1	ILM05.4/ ICP
7440-43-9	Cadmium	5.0	5.0	0.72	ug/L	U		1	ILM05.4/ ICP
7440-48-4	Cobalt	1.5	50.0	0.90	ug/L	J		1	ILM05.4/ ICP
7440-47-3	Chromium	64.6	10.0	0.92	ug/L			1	ILM05.4/ ICP
7440-50-8	Copper	25.0	25.0	3.3	ug/L	U		1	ILM05.4/ ICP
7439-89-6	Iron	90.1	100	9.2	ug/L	J		1	ILM05.4/ ICP
7440-09-7	Potassium	28900	5000	201	ug/L			1	ILM05.4/ ICP
7439-95-4	Magnesium	6050	5000	66.6	ug/L			1	ILM05.4/ ICP
7439-96-5	Manganese	1780	15.0	0.29	ug/L			1	ILM05.4/ ICP
7440-23-5	Sodium	30600	5000	73.8	ug/L			1	ILM05.4/ ICP
7440-02-0	Nickel	196	40.0	1.9	ug/L			1	ILM05.4/ ICP
7439-92-1	Lead	6.1	10.0	3.4	ug/L	J		1	ILM05.4/ ICP
7440-36-0	Antimony	60.0	60.0	4.7	ug/L	U		1	ILM05.4/ ICP
7782-49-2	Selenium	35.0	35.0	4.3	ug/L	U		1	ILM05.4/ ICP
7440-28-0	Thallium	25.0	25.0	1.8	ug/L	U		1	ILM05.4/ ICP
7440-66-6	Zinc	30.1	60.0	0.51	ug/L	J		1	ILM05.4/ ICP
7440-62-2	Vanadium	1.8	50.0	1.6	ug/L	J		1	ILM05.4/ ICP

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ISCO-MW5

Lab Sample ID: 200-1636-5

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/19/2010 10:00

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL	MDLE	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.20	0.20	0.052	ug/L	U		1	ILM05.4/ HG

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ISCO-MW5

Lab Sample ID: 200-1636-5

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/19/2010 10:00

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	10.0	10.0	1.0	ug/L	U		1	ILM05.4/ ICP
7429-90-5	Aluminum	813	200	50.8	ug/L			1	ILM05.4/ ICP
7440-38-2	Arsenic	10.0	10.0	6.4	ug/L	U		1	ILM05.4/ ICP
7440-39-3	Barium	39.4	200	8.5	ug/L	J		1	ILM05.4/ ICP
7440-41-7	Beryllium	5.0	5.0	0.27	ug/L	U		1	ILM05.4/ ICP
7440-70-2	Calcium	20400	5000	168	ug/L			1	ILM05.4/ ICP
7440-43-9	Cadmium	5.0	5.0	0.72	ug/L	U		1	ILM05.4/ ICP
7440-48-4	Cobalt	50.0	50.0	0.90	ug/L	U		1	ILM05.4/ ICP
7440-47-3	Chromium	46.7	10.0	0.92	ug/L			1	ILM05.4/ ICP
7440-50-8	Copper	25.0	25.0	3.3	ug/L	U		1	ILM05.4/ ICP
7439-89-6	Iron	22.7	100	9.2	ug/L	J		1	ILM05.4/ ICP
7440-09-7	Potassium	7020	5000	201	ug/L			1	ILM05.4/ ICP
7439-95-4	Magnesium	11200	5000	66.6	ug/L			1	ILM05.4/ ICP
7439-96-5	Manganese	25.5	15.0	0.29	ug/L			1	ILM05.4/ ICP
7440-23-5	Sodium	44000	5000	73.8	ug/L			1	ILM05.4/ ICP
7440-02-0	Nickel	23.3	40.0	1.9	ug/L	J		1	ILM05.4/ ICP
7439-92-1	Lead	10.0	10.0	3.4	ug/L	U		1	ILM05.4/ ICP
7440-36-0	Antimony	60.0	60.0	4.7	ug/L	U		1	ILM05.4/ ICP
7782-49-2	Selenium	35.0	35.0	4.3	ug/L	U		1	ILM05.4/ ICP
7440-28-0	Thallium	25.0	25.0	1.8	ug/L	U		1	ILM05.4/ ICP
7440-66-6	Zinc	16.1	60.0	0.51	ug/L	J		1	ILM05.4/ ICP
7440-62-2	Vanadium	50.0	50.0	1.6	ug/L	U		1	ILM05.4/ ICP

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-1636-1

SDG No.: 200-1636-1

ICV Source: MEICVw_00009 Concentration Units: ug/L

CCV Source: MECCVw_00021

Analyte	ICV 200-7028/5 09/25/2010 12:37				CCV 200-7028/10 09/25/2010 12:56				CCV 200-7028/22 09/25/2010 13:42			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	26500		26000	102	30500		30200	101	30400		30200	101
Antimony	258		250	103	308		300	103	311		300	104
Arsenic	258		250	103	103		100	103	103		100	103
Barium	478		500	96	199		200	99	193		200	97
Beryllium	507		500	101	102		100	102	101		100	101
Cadmium	476		500	95	99.7		100	100	99.5		100	99
Calcium	26000		25000	104	30000		30000	100	30100		30000	100
Chromium	483		500	97	198		200	99	197		200	99
Cobalt	473		500	95	194		200	97	194		200	97
Copper	459		500	92	189		200	94	187		200	94
Iron	26400		25500	104	30700		30200	102	30600		30200	101
Lead	1000		1000	100	412		400	103	410		400	103
Magnesium	25600		25000	102	30600		30200	101	30400		30200	101
Manganese	468		500	94	192		200	96	192		200	96
Nickel	472		500	94	193		200	96	192		200	96
Potassium	25700		25000	103	30400		30200	101	30300		30200	100
Selenium	245		250	98	101		100	101	100		100	100
Silver	478		500	96	97.3		100	97	96.8		100	97
Sodium	25800		25000	103	30300		30200	100	30300		30200	100
Thallium	236		250	94	101		100	101	102		100	102
Vanadium	502		500	100	203		200	101	203		200	101
Zinc	497		500	99	201		200	100	201		200	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-1636-1

SDG No.: 200-1636-1

ICV Source: MEICVw_00009 Concentration Units: ug/L

CCV Source: MECCVw_00021

Analyte	CCV 200-7028/34 09/25/2010 14:29				CCV 200-7028/41 09/25/2010 14:56							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	30600		30200	101	30400		30200	101				
Antimony	310		300	103	311		300	104				
Arsenic	101		100	101	103		100	103				
Barium	194		200	97	198		200	99				
Beryllium	101		100	101	101		100	101				
Cadmium	99.5		100	99	99.6		100	100				
Calcium	30200		30000	101	30200		30000	101				
Chromium	198		200	99	197		200	99				
Cobalt	194		200	97	194		200	97				
Copper	188		200	94	188		200	94				
Iron	30600		30200	101	30500		30200	101				
Lead	410		400	103	412		400	103				
Magnesium	30600		30200	101	30500		30200	101				
Manganese	192		200	96	191		200	96				
Nickel	193		200	96	192		200	96				
Potassium	30500		30200	101	30400		30200	101				
Selenium	101		100	101	107		100	107				
Silver	96.4		100	96	97.4		100	97				
Sodium	30400		30200	101	30300		30200	100				
Thallium	101		100	101	101		100	101				
Vanadium	201		200	101	202		200	101				
Zinc	202		200	101	201		200	101				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-1636-1

SDG No.: 200-1636-1

ICV Source: MEHGICVw_00007 Concentration Units: ug/L

CCV Source: MEHGCCVw_00147

Analyte	ICV 200-6896/7-A 09/24/2010 14:36				CCV 200-6896/10-A 09/24/2010 14:42				CCV 200-6896/10-A 09/24/2010 15:07			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.8		3.00	93	4.9		5.00	99	4.9		5.00	99

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 Burlington Job No.: 200-1636-1

SDG No.: 200-1636-1

ICV Source: MEHGICVw_00007 Concentration Units: ug/L

CCV Source: MEHGCCVw_00147

Analyte	CCV 200-6896/10-A 09/24/2010 15:29				CCV 200-6896/10-A 09/24/2010 15:45							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.0		5.00	100	5.1		5.00	101				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Analysis Method: ILM05.4/ICP Instrument ID: METICP7
 Lab Sample ID: CRI 200-7028/7 Concentration Units: ug/L
 CRQL Check Standard Source: ME5.4AESCRiW_00007

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	10.0	9.6	J	96	70-130
Aluminum	200	226		113	
Arsenic	10.0	11.1		111	70-130
Barium	200	197	J	98	
Beryllium	5.00	4.9	J	99	70-130
Calcium	5000	5340		107	
Cadmium	5.00	4.8	J	96	70-130
Cobalt	50.0	50.2		100	70-130
Chromium	10.0	10	J	100	70-130
Copper	25.0	24.1	J	97	70-130
Iron	100	119		119	
Potassium	5000	5500		110	
Magnesium	5000	5390		108	
Manganese	15.0	14.9	J	99	70-130
Sodium	5000	5400		108	
Nickel	40.0	40.1		100	70-130
Lead	10.0	12.0		120	50-150
Antimony	60.0	62.9		105	50-150
Selenium	35.0	37.4		107	70-130
Thallium	25.0	22.2	J	89	50-150
Zinc	60.0	60.5		101	70-130
Vanadium	50.0	51.2		102	70-130

Lab Sample ID: CRI 200-7028/31 Concentration Units: ug/L
 CRQL Check Standard Source: ME5.4AESCRiW_00007

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	10.0	10.4		104	70-130
Aluminum	200	236		118	
Arsenic	10.0	11.0		110	70-130
Barium	200	199	J	100	
Beryllium	5.00	5.0		101	70-130
Calcium	5000	5300		106	
Cadmium	5.00	4.9	J	98	70-130
Cobalt	50.0	50.0	J	100	70-130

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Analysis Method: ILM05.4/ICP Instrument ID: METICP7
 Lab Sample ID: CRI 200-7028/31 Concentration Units: ug/L
 CRQL Check Standard Source: ME5.4AESCRiW_00007

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Chromium	10.0	9.9	J	99	70-130
Copper	25.0	24.3	J	97	70-130
Iron	100	120		120	
Potassium	5000	5520		110	
Magnesium	5000	5380		108	
Manganese	15.0	16.0		107	70-130
Sodium	5000	5430		109	
Nickel	40.0	39.3	J	98	70-130
Lead	10.0	13.3		133	50-150
Antimony	60.0	63.0		105	50-150
Selenium	35.0	32.4	J	92	70-130
Thallium	25.0	21.9	J	88	50-150
Zinc	60.0	60.2		100	70-130
Vanadium	50.0	50.0		100	70-130

Lab Sample ID: CRI 200-7028/38 Concentration Units: ug/L
 CRQL Check Standard Source: ME5.4AESCRiW_00007

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	10.0	9.8	J	98	70-130
Aluminum	200	256		128	
Arsenic	10.0	9.8	J	98	70-130
Barium	200	189	J	95	
Beryllium	5.00	5.1		103	70-130
Calcium	5000	5410		108	
Cadmium	5.00	4.8	J	97	70-130
Cobalt	50.0	49.9	J	100	70-130
Chromium	10.0	10.4		104	70-130
Copper	25.0	24.0	J	96	70-130
Iron	100	118		118	
Potassium	5000	5460		109	
Magnesium	5000	5350		107	
Manganese	15.0	14.8	J	99	70-130
Sodium	5000	5410		108	
Nickel	40.0	39.7	J	99	70-130

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Analysis Method: ILM05.4/ICP Instrument ID: METICP7
Lab Sample ID: CRI 200-7028/38 Concentration Units: ug/L
CRQL Check Standard Source: ME5.4AESCRW_00007

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Lead	10.0	14.3		143	50-150
Antimony	60.0	63.6		106	50-150
Selenium	35.0	33.2	J	95	70-130
Thallium	25.0	23.1	J	92	50-150
Zinc	60.0	60.5		101	70-130
Vanadium	50.0	50.8		102	70-130

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Analysis Method: ILM05.4/HG Instrument ID: MEPCV3 II
Lab Sample ID: CRA 200-6896/9-A Concentration Units: ug/L
CRQL Check Standard Source: MEHGCVw_00147

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.20		102	70-130

Lab Sample ID: CRA 200-6896/9-A Concentration Units: ug/L
CRQL Check Standard Source: MEHGCVw_00147

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.22		110	70-130

Lab Sample ID: CRA 200-6896/9-A Concentration Units: ug/L
CRQL Check Standard Source: MEHGCVw_00147

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.20		102	70-130

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

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG No.: 200-1636-1

Concentration Units: ug/L

Analyte	RL	ICBIS 200-7028/6 09/25/2010 12:41		CCB 200-7028/11 09/25/2010 13:00		CCB 200-7028/23 09/25/2010 13:46		CCB 200-7028/35 09/25/2010 14:33	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	68.9	J	200	U	102	J
Antimony	60.0	3.6	J	60.0	U	60.0	U	4.8	J
Arsenic	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Barium	200	200	U	200	U	200	U	200	U
Beryllium	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Cadmium	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Calcium	5000	5000	U	5000	U	5000	U	5000	U
Chromium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Cobalt	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Copper	25.0	25.0	U	25.0	U	25.0	U	25.0	U
Iron	100	100	U	41.0	J	24.0	J	56.9	J
Lead	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Magnesium	5000	5000	U	5000	U	5000	U	5000	U
Manganese	15.0	0.14	J	0.23	J	0.27	J	0.38	J
Nickel	40.0	40.0	U	40.0	U	40.0	U	40.0	U
Potassium	5000	5000	U	5000	U	5000	U	5000	U
Selenium	35.0	35.0	U	35.0	U	35.0	U	35.0	U
Silver	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Sodium	5000	5000	U	5000	U	5000	U	5000	U
Thallium	25.0	25.0	U	25.0	U	25.0	U	25.0	U
Vanadium	50.0	50.0	U	50.0	U	50.0	U	50.0	U
Zinc	60.0	60.0	U	60.0	U	60.0	U	60.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG No.: 200-1636-1

Concentration Units: ug/L

Analyte	RL	CCB 200-7028/42 09/25/2010 14:59							
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	118	J						
Antimony	60.0	60.0	U						
Arsenic	10.0	10.0	U						
Barium	200	-5.2	J						
Beryllium	5.0	5.0	U						
Cadmium	5.0	5.0	U						
Calcium	5000	5000	U						
Chromium	10.0	10.0	U						
Cobalt	50.0	50.0	U						
Copper	25.0	25.0	U						
Iron	100	59.6	J						
Lead	10.0	10.0	U						
Magnesium	5000	93.3	J						
Manganese	15.0	0.21	J						
Nickel	40.0	40.0	U						
Potassium	5000	5000	U						
Selenium	35.0	35.0	U						
Silver	10.0	10.0	U						
Sodium	5000	5000	U						
Thallium	25.0	25.0	U						
Vanadium	50.0	50.0	U						
Zinc	60.0	60.0	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-1636-1

SDG No.: 200-1636-1

Concentration Units: ug/L

Analyte	RL	ICB 200-6896/8-A 09/24/2010 14:38		CCB 200-6896/11-A 09/24/2010 14:44		CCB 200-6896/11-A 09/24/2010 15:09		CCB 200-6896/11-A 09/24/2010 15:32	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.070	J	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-1636-1

SDG No.: 200-1636-1

Concentration Units: ug/L

Analyte	RL	CCB 200-6896/11-A 09/24/2010 15:47							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Concentration Units: ug/L Lab Sample ID: MB 200-6872/1-A
 Instrument Code: METICP7 Batch No.: 7028

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	10.0	U		ILM05.4_ICP
7429-90-5	Aluminum	200	U		ILM05.4_ICP
7440-38-2	Arsenic	10.0	U		ILM05.4_ICP
7440-39-3	Barium	200	U		ILM05.4_ICP
7440-41-7	Beryllium	5.0	U		ILM05.4_ICP
7440-70-2	Calcium	5000	U		ILM05.4_ICP
7440-43-9	Cadmium	5.0	U		ILM05.4_ICP
7440-48-4	Cobalt	50.0	U		ILM05.4_ICP
7440-47-3	Chromium	10.0	U		ILM05.4_ICP
7440-50-8	Copper	25.0	U		ILM05.4_ICP
7439-89-6	Iron	11.0	J		ILM05.4_ICP
7440-09-7	Potassium	5000	U		ILM05.4_ICP
7439-95-4	Magnesium	5000	U		ILM05.4_ICP
7439-96-5	Manganese	15.0	U		ILM05.4_ICP
7440-23-5	Sodium	5000	U		ILM05.4_ICP
7440-02-0	Nickel	40.0	U		ILM05.4_ICP
7439-92-1	Lead	3.6	J		ILM05.4_ICP
7440-36-0	Antimony	4.8	J		ILM05.4_ICP
7782-49-2	Selenium	35.0	U		ILM05.4_ICP
7440-28-0	Thallium	-2.8	J		ILM05.4_ICP
7440-66-6	Zinc	0.52	J		ILM05.4_ICP
7440-62-2	Vanadium	50.0	U		ILM05.4_ICP

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Concentration Units: ug/L Lab Sample ID: MB 200-6896/12-A
Instrument Code: MEPCV3 II Batch No.: 6995

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.20	U		ILM05.4_HG

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG No.: 200-1636-1

Lab Sample ID: ICSA 200-7028/8

Instrument ID: METICP7

Lab File ID: 092510-02.ttx

ICS Source: ME5.4ICSAw_00005

Concentration Units: ug/L

Analyte	True Solution A	Found	
		Solution A	Percent Recovery
Aluminum	250000	258447	103
Antimony		3.10	
Arsenic		1.56	
Barium		0.990	
Beryllium		-0.0423	
Cadmium		1.01	
Calcium	250000	253541	101
Chromium		2.09	
Cobalt		0.530	
Copper		-0.947	
Iron	100000	102043	102
Lead		4.40	
Magnesium	250000	257634	103
Manganese		-3.80	
Nickel		0.668	
Potassium		41.9	
Selenium		4.45	
Silver		-0.0097	
Sodium		6.45	
Thallium		0.866	
Vanadium		-2.16	
Zinc		-3.74	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG No.: 200-1636-1

Lab Sample ID: ICSAB 200-7028/9

Instrument ID: METICP7

Lab File ID: 092510-02.ttx

ICS Source: ME5.4ICSABw_00004

Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Aluminum	250000	256571	103
Antimony	600	618	103
Arsenic	100	106	106
Barium	500	492	98
Beryllium	500	510	102
Cadmium	1000	979	98
Calcium	250000	252184	101
Chromium	500	487	97
Cobalt	500	469	94
Copper	500	476	95
Iron	100000	101887	102
Lead	50.0	54.4	109
Magnesium	250000	256535	103
Manganese	500	471	94
Nickel	1000	919	92
Potassium		15.5	
Selenium	50.0	48.4	97
Silver	200	189	94
Sodium		2.84	
Thallium	100	102	102
Vanadium	500	510	102
Zinc	1000	982	98

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG No.: 200-1636-1

Lab Sample ID: ICSA 200-7028/32

Instrument ID: METICP7

Lab File ID: 092510-02.ttx

ICS Source: ME5.4ICSAw_00005

Concentration Units: ug/L

Analyte	True Solution A	Found	
		Solution A	Percent Recovery
Aluminum	250000	255685	102
Antimony		0.353	
Arsenic		1.15	
Barium		6.11	
Beryllium		-0.0942	
Cadmium		1.28	
Calcium	250000	250964	100
Chromium		2.07	
Cobalt		0.481	
Copper		-1.19	
Iron	100000	100918	101
Lead		5.35	
Magnesium	250000	255732	102
Manganese		-3.06	
Nickel		0.328	
Potassium		49.4	
Selenium		2.49	
Silver		0.259	
Sodium		61.7	
Thallium		1.28	
Vanadium		-1.14	
Zinc		-3.86	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG No.: 200-1636-1

Lab Sample ID: ICSAB 200-7028/33

Instrument ID: METICP7

Lab File ID: 092510-02.ttx

ICS Source: ME5.4ICSABw_00004

Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Aluminum	250000	254916	102
Antimony	600	618	103
Arsenic	100	103	103
Barium	500	484	97
Beryllium	500	507	101
Cadmium	1000	980	98
Calcium	250000	250334	100
Chromium	500	484	97
Cobalt	500	469	94
Copper	500	476	95
Iron	100000	101192	101
Lead	50.0	58.8	118
Magnesium	250000	254773	102
Manganese	500	469	94
Nickel	1000	918	92
Potassium		66.0	
Selenium	50.0	46.2	92
Silver	200	186	93
Sodium		55.1	
Thallium	100	102	102
Vanadium	500	502	100
Zinc	1000	982	98

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG No.: 200-1636-1

Lab Sample ID: ICSA 200-7028/39

Instrument ID: METICP7

Lab File ID: 092510-02.ttx

ICS Source: ME5.4ICSAw_00005

Concentration Units: ug/L

Analyte	True Solution A	Found	
		Solution A	Percent Recovery
Aluminum	250000	255826	102
Antimony		4.05	
Arsenic		0.718	
Barium		9.27	
Beryllium		0.0858	
Cadmium		1.17	
Calcium	250000	251596	101
Chromium		2.22	
Cobalt		0.278	
Copper		-1.20	
Iron	100000	101659	102
Lead		4.27	
Magnesium	250000	255749	102
Manganese		-3.77	
Nickel		1.21	
Potassium		103	
Selenium		2.08	
Silver		-0.591	
Sodium		46.6	
Thallium		0.776	
Vanadium		-1.64	
Zinc		-3.86	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG No.: 200-1636-1

Lab Sample ID: ICSAB 200-7028/40

Instrument ID: METICP7

Lab File ID: 092510-02.ttx

ICS Source: ME5.4ICSABw_00004

Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Aluminum	250000	256462	103
Antimony	600	622	104
Arsenic	100	100	100
Barium	500	488	98
Beryllium	500	510	102
Cadmium	1000	980	98
Calcium	250000	252063	101
Chromium	500	487	97
Cobalt	500	469	94
Copper	500	478	96
Iron	100000	101690	102
Lead	50.0	54.7	109
Magnesium	250000	256433	103
Manganese	500	470	94
Nickel	1000	920	92
Potassium		51.0	
Selenium	50.0	53.9	108
Silver	200	189	95
Sodium		49.4	
Thallium	100	98.9	99
Vanadium	500	505	101
Zinc	1000	985	99

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

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 200-6872/2-A

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

Sample Matrix: Water

LCS Source: MELCSWw_00010

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Silver	500	466		93				ILM05.4/ICP
Aluminum	51000	50100		98	80	120		ILM05.4/ICP
Arsenic	1050	1070		102	80	120		ILM05.4/ICP
Barium	500	469		94	80	120		ILM05.4/ICP
Beryllium	500	498		100	80	120		ILM05.4/ICP
Calcium	50000	49900		100	80	120		ILM05.4/ICP
Cadmium	525	490		93	80	120		ILM05.4/ICP
Cobalt	500	462		92	80	120		ILM05.4/ICP
Chromium	500	473		95	80	120		ILM05.4/ICP
Copper	500	449		90	80	120		ILM05.4/ICP
Iron	50500	50300		100	80	120		ILM05.4/ICP
Potassium	50000	49900		100	80	120		ILM05.4/ICP
Magnesium	50000	49900		100	80	120		ILM05.4/ICP
Manganese	500	453		91	80	120		ILM05.4/ICP
Sodium	50000	49600		99	80	120		ILM05.4/ICP
Nickel	500	458		92	80	120		ILM05.4/ICP
Lead	1020	1010		99	80	120		ILM05.4/ICP
Antimony	2000	2010		100				ILM05.4/ICP
Selenium	525	515		98	80	120		ILM05.4/ICP
Thallium	550	530		96	80	120		ILM05.4/ICP
Zinc	500	486		97	80	120		ILM05.4/ICP
Vanadium	500	491		98	80	120		ILM05.4/ICP

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 200-6896/13-A

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

Sample Matrix: Water

LCS Source: MEHGCVw_00147

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	0.97		97	85	115		ILM05.4/HG

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: 200-1636-1

SDG No: 200-1636-1

Lab Name: TestAmerica Burlington

Job No: 200-1636-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Silver	10.0	U	50.0	U	NC		ILM05.4/ICP
Aluminum	1060		1120		NC		ILM05.4/ICP
Arsenic	10.0	U	50.0	U	NC		ILM05.4/ICP
Barium	34.2	J	1000	U	NC		ILM05.4/ICP
Beryllium	0.34	J	25.0	U	NC		ILM05.4/ICP
Calcium	21700		22000	J	1.7		ILM05.4/ICP
Cadmium	5.0	U	25.0	U	NC		ILM05.4/ICP
Cobalt	50.0	U	4.7	J	NC		ILM05.4/ICP
Chromium	11.1		11.3	J	NC		ILM05.4/ICP
Copper	25.0	U	125	U	NC		ILM05.4/ICP
Iron	76.3	J	123	J	NC		ILM05.4/ICP
Potassium	6440		6480	J	NC		ILM05.4/ICP
Magnesium	10100		10100	J	0.36		ILM05.4/ICP
Manganese	16.3		17.2	J	5.2		ILM05.4/ICP
Sodium	28400		29000		2.3		ILM05.4/ICP
Nickel	32.8	J	36.6	J	NC		ILM05.4/ICP
Lead	5.5	J	17.9	J	NC		ILM05.4/ICP
Antimony	60.0	U	300	U	NC		ILM05.4/ICP
Selenium	35.0	U	175	U	NC		ILM05.4/ICP
Thallium	25.0	U	125	U	NC		ILM05.4/ICP
Zinc	26.2	J	25.8	J	1.4		ILM05.4/ICP
Vanadium	50.0	U	250	U	NC		ILM05.4/ICP

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Burlington

Job Number: 200-1636-1

SDG Number: 200-1636-1

Matrix: Water

Instrument ID: METICP7

Analysis Method: ILM05.4/ICP

MDL Date: 01/01/2010 16:50

Prep Method: ILM05.4_HW1

Leach Method: _____

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Aluminum	396.152	200	50.8
Antimony	206.833	60	4.7
Arsenic	189.042	10	6.4
Barium	233.527	200	8.5
Beryllium	313.042	5	0.27
Cadmium	228.802	5	0.72
Calcium	318.128	5000	168
Chromium	205.552	10	0.92
Cobalt	228.616	50	0.9
Copper	324.754	25	3.3
Iron	271.441	100	9.2
Lead	220.353	10	3.4
Magnesium	279.079	5000	66.6
Manganese	257.610	15	0.29
Nickel	231.604	40	1.9
Potassium	766.490	5000	201
Selenium	196.090	35	4.3
Silver	328.068	10	1
Sodium	589.952	5000	73.8
Thallium	190.856	25	1.8
Vanadium	292.402	50	1.6
Zinc	213.856	60	0.51

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Burlington

Job Number: 200-1636-1

SDG Number: 200-1636-1

Matrix: Water

Instrument ID: METICP7

Analysis Method: ILM05.4/ICP

XMDL Date: 04/14/2010 17:05

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum	396.152	200	56
Antimony	206.833	60	3.5
Arsenic	189.042	10	3.4
Barium	233.527	200	4.7
Beryllium	313.042	5	0.26
Cadmium	228.802	5	0.62
Calcium	318.128	5000	160
Chromium	205.552	10	0.44
Cobalt	228.616	50	0.85
Copper	324.754	25	2.2
Iron	271.441	100	14
Lead	220.353	10	3.4
Magnesium	279.079	5000	93
Manganese	257.610	15	0.14
Nickel	231.604	40	1.9
Potassium	766.490	5000	210
Selenium	196.090	35	5.6
Silver	328.068	10	1.7
Sodium	589.952	5000	92
Thallium	190.856	25	3.5
Vanadium	292.402	50	1.4
Zinc	213.856	60	0.28

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Burlington

Job Number: 200-1636-1

SDG Number: 200-1636-1

Matrix: Water

Instrument ID: MEPCV3 II

Analysis Method: ILM05.4/HG

MDLE Date: 01/01/2010 11:35

Prep Method: ILM05.4/HG_CW1

Leach Method: _____

Analyte	Wavelength/ Mass	RL (ug/L)	MDLE (ug/L)
Mercury		0.2	0.052

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Burlington

Job Number: 200-1636-1

SDG Number: 200-1636-1

Matrix: Water

Instrument ID: MEPCV3 II

Analysis Method: ILM05.4/HG

XMDL Date: 01/01/2010 15:17

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.09

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Burlington

Job Number: 200-1636-1

SDG No.: 200-1636-1

ICP-AES Instrument ID: METICP7

Date: 08/23/2010

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Aluminum	396.152							-0.000140					-0.000034		
Antimony	206.833										0.012833		0.000043		
Arsenic	189.042		0.000008								-0.009131				
Barium	233.527														
Beryllium	313.042														
Boron	208.959														
Cadmium	228.802			0.00381											
Calcium	318.128														
Chromium	205.552						-0.000468								
Cobalt	228.616					0.000336									
Copper	324.754												0.000028		
Iron	271.441									0.053090					
Lead	220.353		-0.000074									-0.003676	0.000016		
Magnesium	279.079												-0.000239		
Manganese	257.610														0.000018
Molybdenum	202.030														
Nickel	231.604												0.000028		
Phosphorus	178.284														
Potassium	766.49														
Selenium	196.090		0.000031										0.000037		
Silicon	288.158										0.000807				
Silver	328.068														
Sodium	589.592														
Strontium	407.771														
Thallium	190.856									0.001551	0.000334				
Tin	189.989														
Titanium	334.904										0.000214				
Vanadium	292.402												0.000024		
Zinc	213.856		0.000008									0.000120	0.000060		0.000030

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Burlington Job Number: 200-1636-1

SDG No.: 200-1636-1

ICP-AES Instrument ID: METICP7 Date: 08/23/2010

Analyte	Wave Length	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	Sn	Sr	Ti	Tl	V
Aluminum	396.152		0.037860												
Antimony	206.833		-0.002167								-0.007709				-0.002332
Arsenic	189.042		0.000403												
Barium	233.527														-0.002088
Beryllium	313.042												-0.000965		0.000220
Boron	208.959		0.043566												
Cadmium	228.802														0.000047
Calcium	318.128														
Chromium	205.552	0.000104	-0.000189		-0.000122										
Cobalt	228.616		-0.001701		0.000151								0.001942		
Copper	324.754		0.000222												
Iron	271.441		0.004024												
Lead	220.353	0.000115	-0.002217										-0.000567		
Magnesium	279.079		-0.007006										-0.004312		
Manganese	257.610														
Molybdenum	202.030	-0.000111													
Nickel	231.604		0.000623												
Phosphorus	178.284		-0.002043												
Potassium	766.49														
Selenium	196.090	0.000782	0.000543												
Silicon	288.158		0.000534										0.001909		0.001925
Silver	328.068	0.000198											-0.000174		
Sodium	589.592														
Strontium	407.771														
Thallium	190.856	0.001810											-0.000563		0.002237
Tin	189.989														
Titanium	334.904		0.000419												
Vanadium	292.402		-0.006188										0.000914		
Zinc	213.856		-0.000222		0.004720								-0.000808		

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Burlington Job Number: 200-1636-1

SDG No.: 200-1636-1

ICP-AES Instrument ID: METICP7 Date: 08/23/2010

Analyte	Wave Length	Zn													
Aluminum	396.152														
Antimony	206.833														
Arsenic	189.042														
Barium	233.527														
Beryllium	313.042														
Boron	208.959														
Cadmium	228.802														
Calcium	318.128														
Chromium	205.552														
Cobalt	228.616														
Copper	324.754														
Iron	271.441														
Lead	220.353														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.49														
Selenium	196.090														
Silicon	288.158														
Silver	328.068														
Sodium	589.592														
Strontium	407.771														
Thallium	190.856														
Tin	189.989														
Titanium	334.904														
Vanadium	292.402														
Zinc	213.856														

X-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG No.: 200-1636-1

Preparation Method: ILM05.4_HW1

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 200-6872/1-A	09/23/2010 08:52	6872		100	100
LCS 200-6872/2-A	09/23/2010 08:52	6872		100	100
200-1636-1	09/23/2010 08:52	6872		100	100
200-1636-2	09/23/2010 08:52	6872		100	100
200-1636-3	09/23/2010 08:52	6872		100	100
200-1636-4	09/23/2010 08:52	6872		100	100
200-1636-5	09/23/2010 08:52	6872		100	100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Burlington

Job No.: 200-1636-1

SDG No.: 200-1636-1

Preparation Method: ILM05.4/HG_CW1

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 200-6896/12-A	09/23/2010 11:55	6896		50	50
LCS 200-6896/13-A	09/23/2010 11:55	6896		50	50
200-1636-1	09/23/2010 11:55	6896		50	50
200-1636-2	09/23/2010 11:55	6896		50	50
200-1636-3	09/23/2010 11:55	6896		50	50
200-1636-4	09/23/2010 11:58	6896		50	50
200-1636-5	09/23/2010 11:58	6896		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-1636-1

SDG No.: 200-1636-1

Instrument ID: METICP7 Method: ILM05.4/ICP

Start Date: 09/25/2010 12:21 End Date: 09/25/2010 14:59

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
CALIBSTD 200-7028/1 IC			12:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD7 200-7028/2 IC			12:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD8 200-7028/3 IC			12:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD4 200-7028/4 IC			12:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 200-7028/5	1		12:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICBIS 200-7028/6	1		12:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 200-7028/7	1		12:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 200-7028/8	1		12:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 200-7028/9	1		12:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 200-7028/10	1		12:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 200-7028/11	1		13:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 200-6872/1-A	1	T	13:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 200-6872/2-A	1	T	13:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
200-1636-1	1	T	13:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
200-1636-1 SD	5	T	13:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
200-1636-2	1	T	13:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
200-1636-3	1	T	13:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
200-1636-4	1	T	13:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
200-1636-5	1	T	13:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:35																			
ZZZZZZ			13:39																			
CCV 200-7028/22	1		13:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 200-7028/23	1		13:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:50																			
ZZZZZZ			13:54																			
ZZZZZZ			13:58																			
ZZZZZZ			14:02																			
ZZZZZZ			14:06																			
ZZZZZZ			14:09																			
ZZZZZZ			14:13																			
CRI 200-7028/31	1		14:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 200-7028/32	1		14:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 200-7028/33	1		14:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 200-7028/34	1		14:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 200-7028/35	1		14:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:36																			
ZZZZZZ			14:40																			
CRI 200-7028/38	1		14:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 200-7028/39	1		14:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 200-7028/40	1		14:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 200-7028/41	1		14:56	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 Burlington Job No.: 200-1636-1

SDG No.: 200-1636-1

Instrument ID: METICP7 Method: ILM05.4/ICP

Start Date: 09/25/2010 12:21 End Date: 09/25/2010 14:59

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 200-7028/42	1		14:59	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 Burlington Job No.: 200-1636-1

SDG No.: 200-1636-1

Instrument ID: METICP7 Method: ILM05.4/ICP

Start Date: 09/25/2010 12:21 End Date: 09/25/2010 14:59

Lab Sample ID	D / F	T y p e	Time	Analytes															
				V	Z n														
CALIBSTD 200-7028/1 IC			12:21	X	X														
STD7 200-7028/2 IC			12:25	X	X														
STD8 200-7028/3 IC			12:29	X	X														
STD4 200-7028/4 IC			12:33	X	X														
ICV 200-7028/5	1		12:37	X	X														
ICBIS 200-7028/6	1		12:41	X	X														
CRI 200-7028/7	1		12:44	X	X														
ICSA 200-7028/8	1		12:48	X	X														
ICSAB 200-7028/9	1		12:52	X	X														
CCV 200-7028/10	1		12:56	X	X														
CCB 200-7028/11	1		13:00	X	X														
MB 200-6872/1-A	1	T	13:04	X	X														
LCS 200-6872/2-A	1	T	13:08	X	X														
200-1636-1	1	T	13:11	X	X														
200-1636-1 SD	5	T	13:15	X	X														
200-1636-2	1	T	13:19	X	X														
200-1636-3	1	T	13:23	X	X														
200-1636-4	1	T	13:27	X	X														
200-1636-5	1	T	13:31	X	X														
ZZZZZZ			13:35																
ZZZZZZ			13:39																
CCV 200-7028/22	1		13:42	X	X														
CCB 200-7028/23	1		13:46	X	X														
ZZZZZZ			13:50																
ZZZZZZ			13:54																
ZZZZZZ			13:58																
ZZZZZZ			14:02																
ZZZZZZ			14:06																
ZZZZZZ			14:09																
ZZZZZZ			14:13																
CRI 200-7028/31	1		14:17	X	X														
ICSA 200-7028/32	1		14:21	X	X														
ICSAB 200-7028/33	1		14:25	X	X														
CCV 200-7028/34	1		14:29	X	X														
CCB 200-7028/35	1		14:33	X	X														
ZZZZZZ			14:36																
ZZZZZZ			14:40																
CRI 200-7028/38	1		14:44	X	X														
ICSA 200-7028/39	1		14:48	X	X														
ICSAB 200-7028/40	1		14:52	X	X														
CCV 200-7028/41	1		14:56	X	X														

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-1636-1

SDG No.: 200-1636-1

Instrument ID: METICP7 Method: ILM05.4/ICP

Start Date: 09/25/2010 12:21 End Date: 09/25/2010 14:59

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCB 200-7028/42	1		14:59	X	X																

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-1636-1

SDG No.: 200-1636-1

Instrument ID: MEPCV3 II Method: ILM05.4/HG

Start Date: 09/24/2010 14:23 End Date: 09/24/2010 15:47

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
IC 200-6896/1-A			14:23	X																	
IC 200-6896/2-A			14:25	X																	
IC 200-6896/3-A			14:27	X																	
IC 200-6896/4-A			14:30	X																	
IC 200-6896/5-A			14:32	X																	
IC 200-6896/6-A			14:34	X																	
ICV 200-6896/7-A	1		14:36	X																	
ICB 200-6896/8-A	1		14:38	X																	
CRA 200-6896/9-A	1		14:40	X																	
CCV 200-6896/10-A	1		14:42	X																	
CCB 200-6896/11-A	1		14:44	X																	
MB 200-6896/12-A	1	T	14:46	X																	
LCS 200-6896/13-A	1	T	14:48	X																	
ZZZZZZ			14:50																		
ZZZZZZ			14:53																		
ZZZZZZ			14:56																		
ZZZZZZ			14:58																		
ZZZZZZ			15:00																		
ZZZZZZ			15:02																		
ZZZZZZ			15:05																		
CCV 200-6896/10-A	1		15:07	X																	
CCB 200-6896/11-A	1		15:09	X																	
ZZZZZZ			15:12																		
ZZZZZZ			15:13																		
ZZZZZZ			15:15																		
ZZZZZZ			15:17																		
ZZZZZZ			15:19																		
ZZZZZZ			15:21																		
ZZZZZZ			15:23																		
200-1636-1	1	T	15:26	X																	
CRA 200-6896/9-A	1		15:28	X																	
CCV 200-6896/10-A	1		15:29	X																	
CCB 200-6896/11-A	1		15:32	X																	
200-1636-2	1	T	15:34	X																	
200-1636-3	1	T	15:36	X																	
200-1636-4	1	T	15:38	X																	
200-1636-5	1	T	15:40	X																	
CRA 200-6896/9-A	1		15:43	X																	
CCV 200-6896/10-A	1		15:45	X																	
CCB 200-6896/11-A	1		15:47	X																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-1636-1
SDG No.: 200-1636-1
Instrument ID: MEPCV3 II Method: ILM05.4/HG
Start Date: 09/24/2010 14:23 End Date: 09/24/2010 15:47

Prep Types

D = Dissolved

T = Total/NA

Diagram illustrating a stack of papers with arrows labeled $RN\downarrow$ and $RN\uparrow$, and a question mark.

Dataset/Proto 072910 /CV4

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

B

C

Rho

Type

2.20705e-4

-7.99762e-3

999944

Linear

Print Cal

μ Abs.
45523

Accepted

☒ Calibrated

Accepted

Accept



New

Include ☐ S1 Rep 1 ☒ 2 ☐ 3 ☐ 4 ☐ 5

24-Sep-10 14:34

Conc.

10.0

S	Conc.	Calc.	Dev.	Mean	SD or %R...	Rep 1	Rep 2	Rep 3	Rep 4	F
01	.00000	.017	.017	111	0	111				
02	.20000	.212	.012	998	0%	998				
03	.50000	.506	.006	2331	0%	2331				
04	1.0000	1.01	.009	4607	0%	4606				
05	5.0000	4.92	-.083	22316	0%	22315				
06	10.000	10.0	.039	45524	0%	45523				

Ready

CAP NUM

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1326	14:23:31 24 Sep 10	HG		
Hg .000 ppb	111	50						
*** Standard: 2 Rep: 1				Seq: 1327	14:25:30 24 Sep 10	HG		
Hg .200 ppb	998	50.2						
*** Standard: 3 Rep: 1				Seq: 1328	14:27:46 24 Sep 10	HG		
Hg .500 ppb	2331	50.5						
*** Standard: 4 Rep: 1				Seq: 1329	14:30:13 24 Sep 10	HG		
Hg 1.00 ppb	4606	51						
*** Standard: 5 Rep: 1				Seq: 1330	14:32:08 24 Sep 10	HG		
Hg 5.00 ppb	22315	55						
*** Standard: 6 Rep: 1				Seq: 1331	14:34:03 24 Sep 10	HG		
Hg 10.0 ppb	45523	510						
*** Sample ID: ICV	092410CC			Seq: 1332	14:36:02 24 Sep 10	HG		
Hg 2.78 ppb	12640							
*** Sample ID: ICB	092410CC			Seq: 1333	14:38:00 24 Sep 10	HG		
Hg -.034 ppb	-120							
*** Sample ID: CRA	092410CC			Seq: 1334	14:40:04 24 Sep 10	HG		
Hg .203 ppb	954							
*** Sample ID: CCV	092410CC			Seq: 1335	14:42:29 24 Sep 10	HG		
Hg 4.94 ppb	22399							
*** Sample ID: CCB	092410CC			Seq: 1336	14:44:52 24 Sep 10	HG		
Hg .070 ppb	355							
*** Sample ID: MB689612A	092410CC			Seq: 1337	14:46:55 24 Sep 10	HG		
Hg -.006 ppb	9							

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: LCS689613A	092410CC	Seq: 1338	14:48:53 24 Sep 10	HG				
Hg	.968	ppb	4424					
*** Sample ID: 1553A3B	092410CC	Seq: 1339	14:50:47 24 Sep 10	HG				
Hg	-.000	ppb	35					
*** Sample ID: 1553A5B	092410CC	Seq: 1340	14:53:01 24 Sep 10	HG				
Hg	.161	ppb	764					
*** Sample ID: 1553A7B	092410CC	Seq: 1341	14:56:16 24 Sep 10	HG				
Hg	.040	ppb	216					
*** Sample ID: 1553A9B	092410CC	Seq: 1342	14:58:21 24 Sep 10	HG				
Hg	.017	ppb	115					
*** Sample ID: 1553A11B	092410CC	Seq: 1343	15:00:15 24 Sep 10	HG				
Hg	.010	ppb	82					
*** Sample ID: 1553D12B	092410CC	Seq: 1344	15:02:58 24 Sep 10	HG				
Hg	.010	ppb	81					
*** Sample ID: 1553A13B	092410CC	Seq: 1345	15:05:46 24 Sep 10	HG				
Hg	.024	ppb	146					
*** Sample ID: CCV	092410CC	Seq: 1346	15:07:41 24 Sep 10	HG				
Hg	4.93	ppb	22378					
*** Sample ID: CCB	092410CC	Seq: 1347	15:09:34 24 Sep 10	HG				
Hg	-.037	ppb	-130					
*** Sample ID: 1553A15B	092410CC	Seq: 1348	15:12:00 24 Sep 10	HG				
Hg	-.025	ppb	-76					
*** Sample ID: 1553D16B	092410CC	Seq: 1349	15:13:59 24 Sep 10	HG				
Hg	.025	ppb	148					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 1553A17B			092410CC	Seq: 1350		15:15:53 24 Sep 10		HG
Hg	.014	ppb	101					
*** Sample ID: 1553B19A			092410CC	Seq: 1351		15:17:47 24 Sep 10		HG
Hg	.023	ppb	142					
*** Sample ID: 1553B19BDU			092410CC	Seq: 1352		15:19:43 24 Sep 10		HG
Hg	1.02	ppb	4658					
*** Sample ID: 1553B19CUB			092410CC	Seq: 1353		15:21:59 24 Sep 10		HG
Hg	.013	ppb	94					
*** Sample ID: 1553A21B			092410CC	Seq: 1354		15:23:57 24 Sep 10		HG
Hg	.031	ppb	177					
*** Sample ID: 1636D1B			092410CC	Seq: 1355		15:26:04 24 Sep 10		HG
Hg	.994	ppb	4542					
*** Sample ID: CRA			092410CC	Seq: 1356		15:28:00 24 Sep 10		HG
Hg	.220	ppb	1031					
*** Sample ID: CCV			092410CC	Seq: 1357		15:29:57 24 Sep 10		HG
Hg	4.99	ppb	22625					
*** Sample ID: CCB			092410CC	Seq: 1358		15:32:01 24 Sep 10		HG
Hg	-.009	ppb	-3					
*** Sample ID: 1636D2B			092410CC	Seq: 1359		15:34:29 24 Sep 10		HG
Hg	.015	ppb	105					
*** Sample ID: 1636D3B			092410CC	Seq: 1360		15:36:23 24 Sep 10		HG
Hg	.017	ppb	112					
*** Sample ID: 1636D4B			092410CC	Seq: 1361		15:38:29 24 Sep 10		HG
Hg	.017	ppb	112					

15:40:28 24 Sep 2010

Folder: 072910

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Protocol: CV4

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 1636D5B			092410CC	Seq: 1362		15:40:28 24 Sep 10		HG
Hg	.012	ppb	90					
*** Sample ID: CRA			092410CC	Seq: 1363		15:43:02 24 Sep 10		HG
Hg	.205	ppb	966					
*** Sample ID: CCV			092410CC	Seq: 1364		15:45:19 24 Sep 10		HG
Hg	5.07	ppb	23007					
*** Sample ID: CCB			092410CC	Seq: 1365		15:47:18 24 Sep 10		HG
Hg	-.012	ppb	-20					

Subarray Details

<u>Wavelength</u>	<u>Subarray</u>		<u>Integration Areas</u>							
	<u>Dimensions</u>		<u>Left BG</u>			<u>Central</u>		<u>Right BG</u>		
	<u>Width</u>	<u>Height</u>	<u>Location</u>	<u>Width</u>	<u>Use</u>	<u>Location</u>	<u>Width</u>	<u>Location</u>	<u>Width</u>	<u>Use</u>
Ag 328.068 nm	12	2	3	1	Yes	6/7	2	12	1	No
Al 396.152 nm	12	2	1	2	Yes	6/7	2	11	1	Yes
As 189.042 nm	12	5	1	2	No	6/7	2	11	1	Yes
B 208.959 nm	12	5	1	1	Yes	6/7	2	10	1	Yes
Ba 233.527 nm	12	2	2	1	Yes	6/7	2	11	1	Yes
Be 313.042 nm	12	2	1	1	Yes	6/7	2	12	1	Yes
Ca 318.128 nm	12	2	1	2	Yes	6/7	2	11	2	Yes
Cd 228.802 nm	12	5	1	2	No	6/7	2	11	2	Yes
Co 228.616 nm	12	5	1	1	No	6/7	2	11	2	Yes
Cr 205.552 nm	12	5	2	2	Yes	6/7	2	11	1	Yes
Cu 324.754 nm	12	1	1	2	No	6/7	2	10	1	Yes
Fe 271.441 nm	12	2	1	2	No	6/7	2	11	2	Yes
In 230.606 nm	12	5	1	2	Yes	6/7	2	11	2	Yes
K 766.490 nm	12	2	1	2	Yes	6/7	2	11	1	Yes
Mg 279.079 nm	12	2	1	2	Yes	6/7	2	11	2	Yes
Mn 257.610 nm	12	2	1	2	No	6/7	2	11	1	Yes
Mo 202.030 nm	12	5	2	2	Yes	6/7	2	10	2	Yes
Na 589.592 nm	12	2	1	2	Yes	6/7	2	12	1	Yes
Ni 231.604 nm	12	5	2	1	Yes	6/7	2	11	1	No
P 178.284 nm	12	5	1	2	Yes	6/7	2	11	2	Yes
Pb 220.353 nm	12	3	2	1	Yes	6/7	2	10	1	Yes
Sb 206.833 nm	12	5	1	2	Yes	6/7	2	11	2	Yes
Se 196.090 nm	12	5	1	2	Yes	7/8	2	12	1	No
Si 288.158 nm	12	2	1	2	Yes	6/7	2	10	1	Yes
Sn 189.989 nm	12	5	1	2	Yes	6/7	2	11	2	Yes
Sr 407.771 nm	12	2	1	2	No	6/7	2	12	1	Yes
Ti 334.904 nm	12	2	1	2	Yes	6/7	2	11	2	No
Tl 190.856 nm	12	5	4	1	Yes	6/7	2	11	2	No
V 292.402 nm	12	2	1	1	No	6/7	2	11	1	Yes
Y 224.306 nm	12	2	2	2	Yes	6/7	2	10	2	Yes
Y 224.306 nm	12	5	1	2	Yes	6/7	2	11	2	Yes
Y 371.030 nm	12	2	1	2	Yes	6/7	2	11	2	Yes
Zn 213.856 nm	12	5	2	1	Yes	6/7	2	11	2	Yes

Data Processing

Calibration Standard Concentrations

Wavelength	Conc	CalibStd-Blk	STD8	STD4	STD7
Ag 328.068 nm	ppb	0	0	500	0
Al 396.152 nm	ppb	0	0	0	50000
As 189.042 nm	ppb	0	500	0	0
B 208.959 nm	ppb	0	0	1000	0
Ba 233.527 nm	ppb	0	0	1000	0
Be 313.042 nm	ppb	0	0	500	0
Ca 318.128 nm	ppb	0	0	0	50000
Cd 228.802 nm	ppb	0	0	500	0
Co 228.616 nm	ppb	0	0	1000	0
Cr 205.552 nm	ppb	0	0	1000	0
Cu 324.754 nm	ppb	0	0	1000	0
Fe 271.441 nm	ppb	0	0	0	50000
K 766.490 nm	ppb	0	0	0	50000
Mg 279.079 nm	ppb	0	0	0	50000
Mn 257.610 nm	ppb	0	0	1000	0
Mo 202.030 nm	ppb	0	0	1000	0
Na 589.592 nm	ppb	0	0	0	50000
Ni 231.604 nm	ppb	0	0	1000	0
P 178.284 nm	ppb	0	0	1000	0
Pb 220.353 nm	ppb	0	1000	0	0
Sb 206.833 nm	ppb	0	500	0	0
Se 196.090 nm	ppb	0	500	0	0
Si 288.158 nm	ppb	0	0	5000	0
Sn 189.989 nm	ppb	0	1000	0	0
Sr 407.771 nm	ppb	0	0	500	0
Ti 334.904 nm	ppb	0	0	1000	0
Tl 190.856 nm	ppb	0	500	0	0
V 292.402 nm	ppb	0	0	1000	0
Zn 213.856 nm	ppb	0	0	1000	0

Line Switching

	<u>Low</u>	<u>High</u>		<u>Low</u>	<u>High</u>		<u>Low</u>	<u>High</u>
<u>Wavelength</u>	<u>Limit</u>	<u>Limit</u>	<u>Wavelength</u>	<u>Limit</u>	<u>Limit</u>	<u>Wavelength</u>	<u>Limit</u>	<u>Limit</u>

IECs Used

<u>Wavelength</u>	<u>Interfering Element</u>	<u>K1</u>	<u>K2</u>	<u>Threshold</u>	<u>Priority</u>
Ag 328.068 nm	Mn	0.00	0.00	0.00	0
Ag 328.068 nm	Ti	0.00	0.00	0.00	0
Al 396.152 nm	Ca	0.00	0.00	0.00	0
Al 396.152 nm	Fe	0.00	0.00	0.00	0
Al 396.152 nm	Mo	0.04	0.00	0.00	0
As 189.042 nm	Cr	-0.01	0.00	0.00	0
As 189.042 nm	Fe	0.00	0.00	0.00	0
As 189.042 nm	Co	0.00	0.00	0.00	0
As 189.042 nm	Al	0.00	0.00	0.00	0
As 189.042 nm	Be	0.00	0.00	0.00	0
As 189.042 nm	Mo	0.00	0.00	0.00	0
B 208.959 nm	Mo	0.04	0.00	0.00	0
Ba 233.527 nm	V	0.00	0.00	0.00	0
Ba 233.527 nm	Mo	0.00	0.00	0.00	0
Be 313.042 nm	V	0.00	0.00	0.00	0
Be 313.042 nm	Mo	0.00	0.00	0.00	0
Be 313.042 nm	Tl	0.00	0.00	0.00	0
Be 313.042 nm	Ti	0.00	0.00	0.00	0
Ca 318.128 nm	Cr	0.00	0.00	0.00	0
Ca 318.128 nm	Mo	0.00	0.00	0.00	0
Cd 228.802 nm	V	0.00	0.00	0.00	0
Cd 228.802 nm	Fe	0.00	0.00	0.00	0
Cd 228.802 nm	As	0.00	0.00	0.00	0
Co 228.616 nm	Ti	0.00	0.00	0.00	0
Co 228.616 nm	Mo	0.00	0.00	0.00	0
Co 228.616 nm	Ni	0.00	0.00	0.00	0
Co 228.616 nm	Cr	0.00	0.00	0.00	0
Co 228.616 nm	Cd	0.00	0.00	0.00	0
Co 228.616 nm	Ba	0.00	0.00	0.00	0
Cr 205.552 nm	Be	0.00	0.00	0.00	0
Cr 205.552 nm	Mo	0.00	0.00	0.00	0
Cr 205.552 nm	Mn	0.00	0.00	0.00	0
Cr 205.552 nm	Ni	0.00	0.00	0.00	0
Cu 324.754 nm	Mo	0.00	0.00	0.00	0
Cu 324.754 nm	V	0.00	0.00	0.00	0
Cu 324.754 nm	Ti	0.00	0.00	0.00	0
Cu 324.754 nm	Fe	0.00	0.00	0.00	0
Fe 271.441 nm	V	0.00	0.00	0.00	0
Fe 271.441 nm	Cr	0.00	0.00	0.00	0
Fe 271.441 nm	Co	0.05	0.00	0.00	0
Fe 271.441 nm	Mo	0.00	0.00	0.00	0
Mg 279.079 nm	Mo	-0.01	0.00	0.00	0
Mg 279.079 nm	Ti	0.00	0.00	0.00	0
Mg 279.079 nm	Fe	0.00	0.00	0.00	0
Mn 257.610 nm	Mg	0.00	0.00	0.00	0
Mo 202.030 nm	Mn	0.00	0.00	0.00	0
Mo 202.030 nm	Cr	0.00	0.00	0.00	0

Ni 231.604 nm	Mo	0.00	0.00	0.00	0
Ni 231.604 nm	Fe	0.00	0.00	0.00	0
P 178.284 nm	Mo	0.00	0.00	0.00	0
P 178.284 nm	Mn	0.00	0.00	0.00	0
Pb 220.353 nm	Fe	0.00	0.00	0.00	0
Pb 220.353 nm	Mo	0.00	0.00	0.00	0
Pb 220.353 nm	Ti	0.00	0.00	0.00	0
Pb 220.353 nm	Mn	0.00	0.00	0.00	0
Pb 220.353 nm	Ni	0.00	0.00	0.00	0
Pb 220.353 nm	Al	0.00	0.00	0.00	0
Pb 220.353 nm	Cu	0.00	0.00	0.00	0
Pb 220.353 nm	Mg	0.00	0.00	0.00	0
Pb 220.353 nm	V	0.00	0.00	0.00	0
Sb 206.833 nm	Cr	0.01	0.00	0.00	0
Sb 206.833 nm	Ni	0.00	0.00	0.00	0
Sb 206.833 nm	Mo	0.00	0.00	0.00	0
Sb 206.833 nm	Sn	-0.01	0.00	0.00	0
Sb 206.833 nm	V	0.00	0.00	0.00	0
Sb 206.833 nm	Fe	0.00	0.00	0.00	0
Sb 206.833 nm	Ti	0.00	0.00	0.00	0
Se 196.090 nm	Al	0.00	0.00	0.00	0
Se 196.090 nm	Mn	0.00	0.00	0.00	0
Se 196.090 nm	Fe	0.00	0.00	0.00	0
Se 196.090 nm	Mo	0.00	0.00	0.00	0
Si 288.158 nm	Cr	0.00	0.00	0.00	0
Si 288.158 nm	Cd	0.00	0.00	0.00	0
Si 288.158 nm	Mo	0.00	0.00	0.00	0
Si 288.158 nm	Sb	0.00	0.00	0.00	0
Si 288.158 nm	V	0.00	0.00	0.00	0
Si 288.158 nm	Ti	0.00	0.00	0.00	0
Sn 189.989 nm	Ti	0.00	0.00	0.00	0
Ti 334.904 nm	Mo	0.00	0.00	0.00	0
Ti 334.904 nm	Cr	0.00	0.00	0.00	0
Tl 190.856 nm	V	0.00	0.00	0.00	0
Tl 190.856 nm	Cr	0.00	0.00	0.00	0
Tl 190.856 nm	Mn	0.00	0.00	0.00	0
Tl 190.856 nm	Co	0.00	0.00	0.00	0
Tl 190.856 nm	Ti	0.00	0.00	0.00	0
V 292.402 nm	Ti	0.00	0.00	0.00	0
V 292.402 nm	Fe	0.00	0.00	0.00	0
V 292.402 nm	Mo	-0.01	0.00	0.00	0
Zn 213.856 nm	Fe	0.00	0.00	0.00	0
Zn 213.856 nm	Ni	0.00	0.00	0.00	0
Zn 213.856 nm	Mg	0.00	0.00	0.00	0
Zn 213.856 nm	Cu	0.00	0.00	0.00	0
Zn 213.856 nm	Ti	0.00	0.00	0.00	0
Zn 213.856 nm	Mo	0.00	0.00	0.00	0
Zn 213.856 nm	Al	0.00	0.00	0.00	0

Internal Standards

<u>Wavelength</u>	<u>Internal Standard</u>	<u>Wavelength</u>	<u>Internal Standard</u>	<u>Wavelength</u>	<u>Internal Standard</u>
Ag 328.068 nm	Y 224.306 nm	Al 396.152 nm	Y 371.030 nm	As 189.042 nm	Y 224.306 nm
B 208.959 nm	Y 224.306 nm	Ba 233.527 nm	Y 371.030 nm	Be 313.042 nm	Y 371.030 nm
Ca 318.128 nm	Y 371.030 nm	Cd 228.802 nm	Y 224.306 nm	Co 228.616 nm	Y 224.306 nm
Cr 205.552 nm	Y 224.306 nm	Cu 324.754 nm	Y 224.306 nm	Fe 271.441 nm	Y 224.306 nm
K 766.490 nm	Y 371.030 nm	Mg 279.079 nm	Y 371.030 nm	Mn 257.610 nm	Y 224.306 nm
Mo 202.030 nm	Y 224.306 nm	Na 589.592 nm	Y 371.030 nm	Ni 231.604 nm	Y 224.306 nm
P 178.284 nm	Y 224.306 nm	Pb 220.353 nm	In 230.606 nm	Sb 206.833 nm	Y 224.306 nm
Se 196.090 nm	Y 224.306 nm	Si 288.158 nm	Y 224.306 nm	Sn 189.989 nm	Y 224.306 nm
Sr 407.771 nm	Y 371.030 nm	Ti 334.904 nm	Y 224.306 nm	Tl 190.856 nm	In 230.606 nm
V 292.402 nm	Y 224.306 nm	Zn 213.856 nm	Y 224.306 nm		

Check Tables**Type: QC****Name: 6010 NEW AB****Check Units: Rel(%)**

<u>Element</u>	<u>Low Fail</u>	<u>Low Warning</u>	<u>Value</u>	<u>High Warning</u>	<u>High Fail</u>	<u>Normalization</u>
Ag 328.068 nm	-20.00	0.00	200.00	0.00	20.00	None
Al 396.152 nm	-20.00	0.00	250,000	0.00	20.00	None
As 189.042 nm	-20.00	0.00	100.00	0.00	20.00	None
B 208.959 nm	-20.00	0.00	1,500.00	0.00	20.00	None
Ba 233.527 nm	-20.00	0.00	500.00	0.00	20.00	None
Be 313.042 nm	-20.00	0.00	500.00	0.00	20.00	None
Ca 318.128 nm	-20.00	0.00	250,000	0.00	20.00	None
Cd 228.802 nm	-20.00	0.00	1,000.00	0.00	20.00	None
Co 228.616 nm	-20.00	0.00	500.00	0.00	20.00	None
Cr 205.552 nm	-20.00	0.00	500.00	0.00	20.00	None
Cu 324.754 nm	-20.00	0.00	500.00	0.00	20.00	None
Fe 271.441 nm	-20.00	0.00	100,000	0.00	20.00	None
Mg 279.079 nm	-20.00	0.00	250,000	0.00	20.00	None
Mn 257.610 nm	-20.00	0.00	500.00	0.00	20.00	None
Mo 202.030 nm	-20.00	0.00	1,000.00	0.00	20.00	None
Ni 231.604 nm	-20.00	0.00	1,000.00	0.00	20.00	None
P 178.284 nm	-20.00	0.00	500.00	0.00	20.00	None
Pb 220.353 nm	-20.00	0.00	50.00	0.00	20.00	None
Sb 206.833 nm	-20.00	0.00	600.00	0.00	20.00	None
Se 196.090 nm	-20.00	0.00	50.00	0.00	20.00	None
Si 288.158 nm	-20.00	0.00	1,000.00	0.00	20.00	None
Sn 189.989 nm	-20.00	0.00	1,500.00	0.00	20.00	None
Sr 407.771 nm	-20.00	0.00	250.00	0.00	20.00	None
Ti 334.904 nm	-20.00	0.00	500.00	0.00	20.00	None
Tl 190.856 nm	-20.00	0.00	100.00	0.00	20.00	None
V 292.402 nm	-20.00	0.00	500.00	0.00	20.00	None
Zn 213.856 nm	-20.00	0.00	1,000.00	0.00	20.00	None

Type: QC**Name: Blank****Check Units: Abs**

<u>Element</u>	<u>Low Fail</u>	<u>Low Warning</u>	<u>Value</u>	<u>High Warning</u>	<u>High Fail</u>	<u>Normalization</u>
Ag 328.068 nm	-10.00	-10.00	0.00	10.00	10.00	None
Al 396.152 nm	-10.00	-10.00	0.00	10.00	10.00	None
As 189.042 nm	-10.00	-10.00	0.00	10.00	10.00	None
B 208.959 nm	-100.00	-100.00	0.00	100.00	100.00	None
Ba 233.527 nm	-10.00	-10.00	0.00	10.00	10.00	None
Be 313.042 nm	-5.00	-5.00	0.00	5.00	5.00	None
Ca 318.128 nm	-5,000.00	-5,000.00	0.00	5,000.00	5,000.00	None
Cd 228.802 nm	-10.00	-10.00	0.00	10.00	10.00	None
Co 228.616 nm	-50.00	-50.00	0.00	50.00	50.00	None
Cr 205.552 nm	-10.00	-10.00	0.00	10.00	10.00	None
Cu 324.754 nm	-25.00	-25.00	0.00	25.00	25.00	None
Fe 271.441 nm	-10.00	-10.00	0.00	10.00	10.00	None
K 766.490 nm	-5,000.00	-5,000.00	0.00	5,000.00	5,000.00	None
Mg 279.079 nm	-5,000.00	-5,000.00	0.00	5,000.00	5,000.00	None
Mn 257.610 nm	-15.00	-15.00	0.00	15.00	15.00	None
Mo 202.030 nm	-10.00	-10.00	0.00	10.00	10.00	None
Na 589.592 nm	-5,000.00	-5,000.00	0.00	5,000.00	5,000.00	None
Ni 231.604 nm	-40.00	-40.00	0.00	40.00	40.00	None
P 178.284 nm	-250.00	-250.00	0.00	250.00	250.00	None
Pb 220.353 nm	-10.00	-10.00	0.00	10.00	10.00	None
Sb 206.833 nm	-60.00	-60.00	0.00	60.00	60.00	None
Se 196.090 nm	-35.00	-35.00	0.00	35.00	35.00	None

Si 288.158 nm	-20.00	-20.00	0.00	20.00	20.00	None
Sn 189.989 nm	-20.00	-20.00	0.00	20.00	20.00	None
Sr 407.771 nm	-20.00	-20.00	0.00	20.00	20.00	None
Ti 334.904 nm	-10.00	-10.00	0.00	10.00	10.00	None
Tl 190.856 nm	-25.00	-25.00	0.00	25.00	25.00	None
V 292.402 nm	-50.00	-50.00	0.00	50.00	50.00	None
Zn 213.856 nm	-20.00	-20.00	0.00	20.00	20.00	None

Type: QC Name: CCB		Check Units: Abs				
Element	Low Fail	Low Warning	Value	High Warning	High Fail	Normalization
Ag 328.068 nm	-10.00	-10.00	0.00	10.00	10.00	None
Al 396.152 nm	-200.00	-200.00	0.00	200.00	200.00	None
As 189.042 nm	-10.00	-10.00	0.00	10.00	10.00	None
B 208.959 nm	-100.00	-100.00	0.00	100.00	100.00	None
Ba 233.527 nm	-200.00	-200.00	0.00	200.00	200.00	None
Be 313.042 nm	-5.00	-5.00	0.00	5.00	5.00	None
Ca 318.128 nm	-5,000.00	-5,000.00	0.00	5,000.00	5,000.00	None
Cd 228.802 nm	-5.00	-5.00	0.00	5.00	5.00	None
Co 228.616 nm	-50.00	-50.00	0.00	50.00	50.00	None
Cr 205.552 nm	-10.00	-10.00	0.00	10.00	10.00	None
Cu 324.754 nm	-25.00	-25.00	0.00	25.00	25.00	None
Fe 271.441 nm	-200.00	-200.00	0.00	200.00	200.00	None
K 766.490 nm	-5,000.00	-5,000.00	0.00	5,000.00	5,000.00	None
Mg 279.079 nm	-5,000.00	-5,000.00	0.00	5,000.00	5,000.00	None
Mn 257.610 nm	-15.00	-15.00	0.00	15.00	15.00	None
Mo 202.030 nm	-10.00	-10.00	0.00	10.00	10.00	None
Na 589.592 nm	-5,000.00	-5,000.00	0.00	5,000.00	5,000.00	None
Ni 231.604 nm	-40.00	-40.00	0.00	40.00	40.00	None
P 178.284 nm	-250.00	-250.00	0.00	250.00	250.00	None
Pb 220.353 nm	-10.00	-10.00	0.00	10.00	10.00	None
Sb 206.833 nm	-60.00	-60.00	0.00	60.00	60.00	None
Se 196.090 nm	-35.00	-35.00	0.00	35.00	35.00	None
Si 288.158 nm	-100.00	-100.00	0.00	100.00	100.00	None
Sn 189.989 nm	-20.00	-20.00	0.00	20.00	20.00	None
Sr 407.771 nm	-20.00	-20.00	0.00	20.00	20.00	None
Ti 334.904 nm	-20.00	-20.00	0.00	20.00	20.00	None
Tl 190.856 nm	-25.00	-25.00	0.00	25.00	25.00	None
V 292.402 nm	-50.00	-50.00	0.00	50.00	50.00	None
Zn 213.856 nm	-20.00	-20.00	0.00	20.00	20.00	None

Type: QC Name: CCV		Check Units: Rel(%)				
Element	Low Fail	Low Warning	Value	High Warning	High Fail	Normalization
Ag 328.068 nm	-10.00	-10.00	100.00	10.00	10.00	None
Al 396.152 nm	-10.00	-10.00	30,200.0	10.00	10.00	None
As 189.042 nm	-10.00	-10.00	100.00	10.00	10.00	None
B 208.959 nm	-10.00	-10.00	700.00	10.00	10.00	None
Ba 233.527 nm	-10.00	-10.00	200.00	10.00	10.00	None
Be 313.042 nm	-10.00	-10.00	100.00	10.00	10.00	None
Ca 318.128 nm	-10.00	-10.00	30,200.0	10.00	10.00	None
Cd 228.802 nm	-10.00	-10.00	100.00	10.00	10.00	None
Co 228.616 nm	-10.00	-10.00	200.00	10.00	10.00	None
Cr 205.552 nm	-10.00	-10.00	200.00	10.00	10.00	None
Cu 324.754 nm	-10.00	-10.00	200.00	10.00	10.00	None
Fe 271.441 nm	-10.00	-10.00	30,200.0	10.00	10.00	None
K 766.490 nm	-10.00	-10.00	30,200.0	10.00	10.00	None
Mg 279.079 nm	-10.00	-10.00	30,200.0	10.00	10.00	None

Mn 257.610 nm	-10.00	-10.00	200.00	10.00	10.00	None
Mo 202.030 nm	-10.00	-10.00	200.00	10.00	10.00	None
Na 589.592 nm	-10.00	-10.00	30,200.00	10.00	10.00	None
Ni 231.604 nm	-10.00	-10.00	200.00	10.00	10.00	None
P 178.284 nm	-10.00	-10.00	200.00	10.00	10.00	None
Pb 220.353 nm	-10.00	-10.00	400.00	10.00	10.00	None
Sb 206.833 nm	-10.00	-10.00	300.00	10.00	10.00	None
Se 196.090 nm	-10.00	-10.00	100.00	10.00	10.00	None
Si 288.158 nm	-10.00	-10.00	1,000.00	10.00	10.00	None
Sn 189.989 nm	-10.00	-10.00	200.00	10.00	10.00	None
Sr 407.771 nm	-10.00	-10.00	300.00	10.00	10.00	None
Ti 334.904 nm	-10.00	-10.00	400.00	10.00	10.00	None
Tl 190.856 nm	-10.00	-10.00	100.00	10.00	10.00	None
V 292.402 nm	-10.00	-10.00	200.00	10.00	10.00	None
Zn 213.856 nm	-10.00	-10.00	200.00	10.00	10.00	None

Type: QC	Name: CRI	Check Units: Rel(%)				
Element	Low Fail	Low Warning	Value	High Warning	High Fail	Normalization
Ag 328.068 nm	-30.00	-50.00	10.00	50.00	30.00	None
Al 396.152 nm	-30.00	-50.00	200.00	50.00	30.00	None
As 189.042 nm	-30.00	-50.00	10.00	50.00	30.00	None
Ba 233.527 nm	-30.00	-50.00	200.00	50.00	30.00	None
Be 313.042 nm	-30.00	-50.00	5.00	50.00	30.00	None
Ca 318.128 nm	-30.00	-50.00	5,000.00	50.00	30.00	None
Cd 228.802 nm	-30.00	-50.00	5.00	50.00	30.00	None
Co 228.616 nm	-30.00	-50.00	50.00	50.00	30.00	None
Cr 205.552 nm	-30.00	-50.00	10.00	50.00	30.00	None
Cu 324.754 nm	-30.00	-50.00	25.00	50.00	30.00	None
Fe 271.441 nm	-30.00	-50.00	200.00	50.00	30.00	None
K 766.490 nm	-30.00	-50.00	5,000.00	50.00	30.00	None
Mg 279.079 nm	-30.00	-50.00	5,000.00	50.00	30.00	None
Mn 257.610 nm	-30.00	-50.00	15.00	50.00	30.00	None
Na 589.592 nm	-30.00	-50.00	5,000.00	50.00	30.00	None
Ni 231.604 nm	-30.00	-50.00	40.00	50.00	30.00	None
Pb 220.353 nm	-30.00	-50.00	10.00	50.00	30.00	None
Sb 206.833 nm	-30.00	-50.00	60.00	50.00	30.00	None
Se 196.090 nm	-30.00	-50.00	35.00	50.00	30.00	None
Tl 190.856 nm	-30.00	-26.00	25.00	30.00	30.00	None
V 292.402 nm	-30.00	-30.00	50.00	30.00	30.00	None
Zn 213.856 nm	-30.00	-30.00	60.00	30.00	30.00	None

Type: QC	Name: CRI-6010	Check Units: Rel(%)				
Element	Low Fail	Low Warning	Value	High Warning	High Fail	Normalization
Ag 328.068 nm	-50.00	-50.00	10.00	50.00	50.00	None
Al 396.152 nm	-50.00	-50.00	200.00	50.00	50.00	None
As 189.042 nm	-50.00	-50.00	10.00	50.00	50.00	None
B 208.959 nm	-50.00	-50.00	100.00	50.00	50.00	None
Ba 233.527 nm	-50.00	-50.00	200.00	50.00	50.00	None
Be 313.042 nm	-50.00	-50.00	5.00	50.00	50.00	None
Ca 318.128 nm	-50.00	-50.00	5,000.00	50.00	50.00	None
Cd 228.802 nm	-50.00	-50.00	5.00	50.00	50.00	None
Co 228.616 nm	-50.00	-50.00	50.00	50.00	50.00	None
Cr 205.552 nm	-50.00	-50.00	10.00	50.00	50.00	None
Cu 324.754 nm	-50.00	-50.00	25.00	50.00	50.00	None
Fe 271.441 nm	-50.00	-50.00	200.00	50.00	50.00	None
K 766.490 nm	-50.00	-50.00	5,000.00	50.00	50.00	None

Mg 279.079 nm	-50.00	-50.00	5,000.00	50.00	50.00	None
Mn 257.610 nm	-50.00	-50.00	15.00	50.00	50.00	None
Mo 202.030 nm	-50.00	-50.00	10.00	50.00	50.00	None
Na 589.592 nm	-50.00	-50.00	5,000.00	50.00	50.00	None
Ni 231.604 nm	-50.00	-50.00	40.00	50.00	50.00	None
P 178.284 nm	-50.00	-50.00	250.00	50.00	50.00	None
Pb 220.353 nm	-50.00	-50.00	10.00	50.00	50.00	None
Sb 206.833 nm	-50.00	-50.00	60.00	50.00	50.00	None
Se 196.090 nm	-50.00	-50.00	35.00	50.00	50.00	None
Si 288.158 nm	-50.00	-50.00	100.00	50.00	50.00	None
Sn 189.989 nm	-50.00	-50.00	20.00	50.00	50.00	None
Sr 407.771 nm	-50.00	-50.00	20.00	50.00	50.00	None
Ti 334.904 nm	-50.00	-50.00	20.00	50.00	50.00	None
Tl 190.856 nm	-50.00	-50.00	25.00	50.00	50.00	None
V 292.402 nm	-50.00	-50.00	50.00	50.00	50.00	None
Zn 213.856 nm	-50.00	-50.00	20.00	50.00	50.00	None

Type: QC Name: ICB		Check Units: Abs				
Element	Low Fail	Low Warning	Value	High Warning	High Fail	Normalization
Ag 328.068 nm	-10.00	-10.00	0.00	10.00	10.00	None
Al 396.152 nm	-200.00	-200.00	0.00	200.00	200.00	None
As 189.042 nm	-10.00	-10.00	0.00	10.00	10.00	None
B 208.959 nm	-100.00	-100.00	0.00	100.00	100.00	None
Ba 233.527 nm	-200.00	-200.00	0.00	200.00	200.00	None
Be 313.042 nm	-5.00	-5.00	0.00	5.00	5.00	None
Ca 318.128 nm	-5,000.00	-5,000.00	0.00	5,000.00	5,000.00	None
Cd 228.802 nm	-5.00	-5.00	0.00	5.00	5.00	None
Co 228.616 nm	-50.00	-50.00	0.00	50.00	50.00	None
Cr 205.552 nm	-10.00	-10.00	0.00	10.00	10.00	None
Cu 324.754 nm	-25.00	-25.00	0.00	25.00	25.00	None
Fe 271.441 nm	-200.00	-200.00	0.00	200.00	200.00	None
K 766.490 nm	-5,000.00	-5,000.00	0.00	5,000.00	5,000.00	None
Mg 279.079 nm	-5,000.00	-5,000.00	0.00	5,000.00	5,000.00	None
Mn 257.610 nm	-15.00	-15.00	0.00	15.00	15.00	None
Mo 202.030 nm	-10.00	-10.00	0.00	10.00	10.00	None
Na 589.592 nm	-5,000.00	-5,000.00	0.00	5,000.00	5,000.00	None
Ni 231.604 nm	-40.00	-40.00	0.00	40.00	40.00	None
P 178.284 nm	-250.00	-250.00	0.00	250.00	250.00	None
Pb 220.353 nm	-10.00	-10.00	0.00	10.00	10.00	None
Sb 206.833 nm	-60.00	-60.00	0.00	60.00	60.00	None
Se 196.090 nm	-35.00	-35.00	0.00	35.00	35.00	None
Si 288.158 nm	-100.00	-100.00	0.00	100.00	100.00	None
Sn 189.989 nm	-20.00	-20.00	0.00	20.00	20.00	None
Sr 407.771 nm	-20.00	-20.00	0.00	20.00	20.00	None
Ti 334.904 nm	-20.00	-20.00	0.00	20.00	20.00	None
Tl 190.856 nm	-25.00	-25.00	0.00	25.00	25.00	None
V 292.402 nm	-50.00	-50.00	0.00	50.00	50.00	None
Zn 213.856 nm	-20.00	-20.00	0.00	20.00	20.00	None

Type: QC Name: ICSA		Check Units: Abs				
Element	Low Fail	Low Warning	Value	High Warning	High Fail	Normalization
Ag 328.068 nm	-20.00	-20.00	0.00	20.00	20.00	None
Al 396.152 nm	200,000.00	200,000.00	250,000	300,000.00	300,000.00	None
As 189.042 nm	-20.00	-20.00	0.00	20.00	20.00	None
B 208.959 nm	-200.00	-200.00	0.00	200.00	200.00	None
Ba 233.527 nm	-400.00	-400.00	400.00	400.00	400.00	None

Be 313.042 nm	-10.00	-10.00	0.00	10.00	10.00	None
Ca 318.128 nm	200,000.00	200,000.00	250,000	300,000.00	300,000.00	None
Cd 228.802 nm	-10.00	-10.00	0.00	10.00	10.00	None
Co 228.616 nm	-100.00	-100.00	0.00	100.00	100.00	None
Cr 205.552 nm	-20.00	-20.00	0.00	20.00	20.00	None
Cu 324.754 nm	-50.00	-50.00	0.00	50.00	50.00	None
Fe 271.441 nm	80,000.00	80,000.00	100,000	120,000.00	120,000.00	None
K 766.490 nm	-5,000.00	-5,000.00	0.00	5,000.00	5,000.00	None
Mg 279.079 nm	200,000.00	200,000.00	250,000	300,000.00	300,000.00	None
Mn 257.610 nm	-30.00	-30.00	0.00	30.00	30.00	None
Mo 202.030 nm	-20.00	-20.00	0.00	20.00	20.00	None
Na 589.592 nm	-10,000.00	-10,000.00	0.00	10,000.00	10,000.00	None
Ni 231.604 nm	-80.00	-80.00	0.00	80.00	80.00	None
P 178.284 nm	-500.00	-500.00	0.00	500.00	500.00	None
Pb 220.353 nm	-20.00	-20.00	0.00	20.00	20.00	None
Sb 206.833 nm	-120.00	-120.00	0.00	120.00	120.00	None
Se 196.090 nm	-70.00	-70.00	0.00	70.00	70.00	None
Si 288.158 nm	-40.00	-40.00	0.00	40.00	40.00	None
Sn 189.989 nm	-40.00	-40.00	0.00	40.00	40.00	None
Sr 407.771 nm	-40.00	-40.00	0.00	40.00	40.00	None
Ti 334.904 nm	-20.00	-20.00	0.00	20.00	20.00	None
Tl 190.856 nm	-50.00	-50.00	0.00	50.00	50.00	None
V 292.402 nm	-100.00	-100.00	0.00	100.00	100.00	None
Zn 213.856 nm	-40.00	-40.00	0.00	40.00	40.00	None

Type: QC Name: ICSA-6010

Check Units: Abs

Element	Low Fail	Low Warning	Value	High Warning	High Fail	Normalization
Ag 328.068 nm	-20.00	-20.00	0.00	20.00	20.00	None
Al 396.152 nm	400,000.00	400,000.00	500,000	600,000.00	600,000.00	None
As 189.042 nm	-20.00	-20.00	0.00	20.00	20.00	None
B 208.959 nm	-200.00	-200.00	0.00	200.00	200.00	None
Ba 233.527 nm	-400.00	-400.00	0.00	400.00	400.00	None
Be 313.042 nm	-10.00	-10.00	0.00	10.00	10.00	None
Ca 318.128 nm	400,000.00	400,000.00	500,000	600,000.00	600,000.00	None
Cd 228.802 nm	-10.00	-10.00	0.00	10.00	10.00	None
Co 228.616 nm	-100.00	-100.00	0.00	100.00	100.00	None
Cr 205.552 nm	-20.00	-20.00	0.00	20.00	20.00	None
Cu 324.754 nm	-50.00	-50.00	0.00	50.00	50.00	None
Fe 271.441 nm	160,000.00	160,000.00	200,000	240,000.00	240,000.00	None
K 766.490 nm	-5,000.00	-5,000.00	0.00	5,000.00	5,000.00	None
Mg 279.079 nm	400,000.00	400,000.00	500,000	600,000.00	600,000.00	None
Mn 257.610 nm	-30.00	-30.00	0.00	30.00	30.00	None
Mo 202.030 nm	-20.00	-20.00	0.00	20.00	20.00	None
Na 589.592 nm	-10,000.00	-10,000.00	0.00	10,000.00	10,000.00	None
Ni 231.604 nm	-80.00	-80.00	0.00	80.00	80.00	None
P 178.284 nm	-500.00	-500.00	0.00	500.00	500.00	None
Pb 220.353 nm	-20.00	-20.00	0.00	20.00	20.00	None
Sb 206.833 nm	-120.00	-120.00	0.00	120.00	120.00	None
Se 196.090 nm	-70.00	-70.00	0.00	70.00	70.00	None
Si 288.158 nm	-200.00	-200.00	0.00	200.00	200.00	None
Sn 189.989 nm	-40.00	-40.00	0.00	40.00	40.00	None
Sr 407.771 nm	-40.00	-40.00	0.00	40.00	40.00	None
Ti 334.904 nm	-40.00	-40.00	0.00	40.00	40.00	None
Tl 190.856 nm	-50.00	-50.00	0.00	50.00	50.00	None
V 292.402 nm	-100.00	-100.00	0.00	100.00	100.00	None

Zn 213.856 nm	-40.00	-40.00	0.00	40.00	40.00	None

Type: QC Name: ICV

Check Units: Rel(%)

<u>Element</u>	<u>Low Fail</u>	<u>Low Warning</u>	<u>Value</u>	<u>High Warning</u>	<u>High Fail</u>	<u>Normalization</u>
Ag 328.068 nm	-10.00	-10.00	500.00	10.00	10.00	None
Al 396.152 nm	-10.00	-10.00	26,000.00	10.00	10.00	None
As 189.042 nm	-10.00	-10.00	250.00	10.00	10.00	None
B 208.959 nm	-10.00	-10.00	500.00	10.00	10.00	None
Ba 233.527 nm	-10.00	-10.00	500.00	10.00	10.00	None
Be 313.042 nm	-10.00	-10.00	500.00	10.00	10.00	None
Ca 318.128 nm	-10.00	-10.00	25,000.00	10.00	10.00	None
Cd 228.802 nm	-10.00	-10.00	500.00	10.00	10.00	None
Co 228.616 nm	-10.00	-10.00	500.00	10.00	10.00	None
Cr 205.552 nm	-10.00	-10.00	500.00	10.00	10.00	None
Cu 324.754 nm	-10.00	-10.00	500.00	10.00	10.00	None
Fe 271.441 nm	-10.00	-10.00	25,500.00	10.00	10.00	None
K 766.490 nm	-10.00	-10.00	25,000.00	10.00	10.00	None
Mg 279.079 nm	-10.00	-10.00	25,000.00	10.00	10.00	None
Mn 257.610 nm	-10.00	-10.00	500.00	10.00	10.00	None
Mo 202.030 nm	-10.00	-10.00	500.00	10.00	10.00	None
Na 589.592 nm	-10.00	-10.00	25,000.00	10.00	10.00	None
Ni 231.604 nm	-10.00	-10.00	500.00	10.00	10.00	None
P 178.284 nm	-10.00	-10.00	500.00	10.00	10.00	None
Pb 220.353 nm	-10.00	-10.00	1,000.00	10.00	10.00	None
Sb 206.833 nm	-10.00	-10.00	250.00	10.00	10.00	None
Se 196.090 nm	-10.00	-10.00	250.00	10.00	10.00	None
Si 288.158 nm	-10.00	-10.00	250.00	10.00	10.00	None
Sn 189.989 nm	-10.00	-10.00	250.00	10.00	10.00	None
Sr 407.771 nm	-10.00	-10.00	500.00	10.00	10.00	None
Ti 334.904 nm	-10.00	-10.00	500.00	10.00	10.00	None
Tl 190.856 nm	-10.00	-10.00	250.00	120.00	120.00	None
V 292.402 nm	-10.00	-10.00	500.00	10.00	10.00	None
Zn 213.856 nm	-10.00	-10.00	500.00	10.00	10.00	None

Analysis flag key

F - Result outside failure limit range

W - Result outside warning limit range

> - Result above print limit

< - Result below print limit

? - calculation error

C - The concentration is beyond the calibrated range c - The concentration yields negative value

z - The data does not have a valid calibration associated with it

k - Interferent line or IEC threshold exceeded.

i - Interferent (overlapping Subarrays) - data can be used. This error is due to choosing two or more analytical lines that overlap with each other spectrally. Ideally, an alternate line should be chosen see Method/New and refer to the Interference Tables, or you can choose to apply an IEC correction to overcome the interference.

l - Interferent (overlapping subarrays) - data cannot be used as the peaks cannot be resolved.

D - The analyte peak is off the CID detector.

^ - The peak is saturated (data not returned).

P - Plasma error, the plasma was extinguished during analysis.

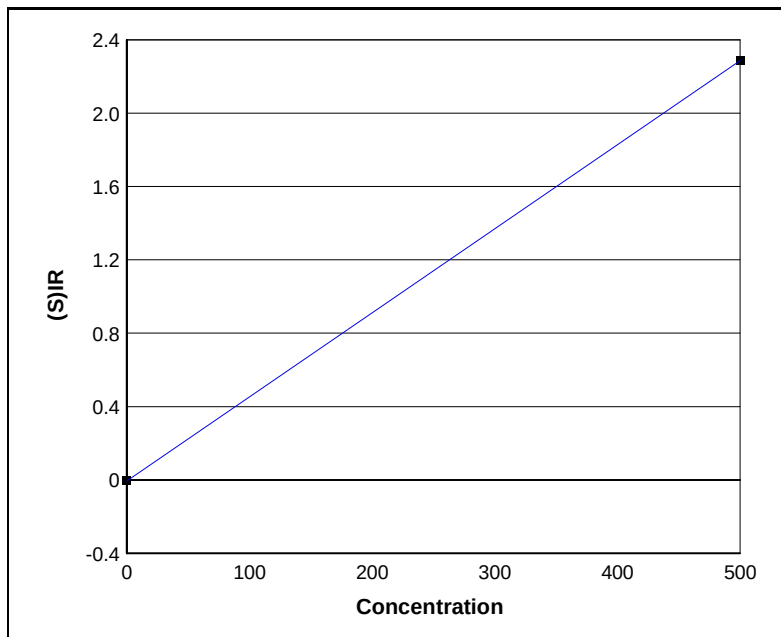
* - Global failure - NO DATA ACQUIRED. May be due to a memory error due to too many data points.

s - Error on internal standard line.

Z - Internal standard error, normally due to an invalid calibration or incorrectly set up internal standard reference. This flag is also displayed if an analysis is run without a valid calibration.

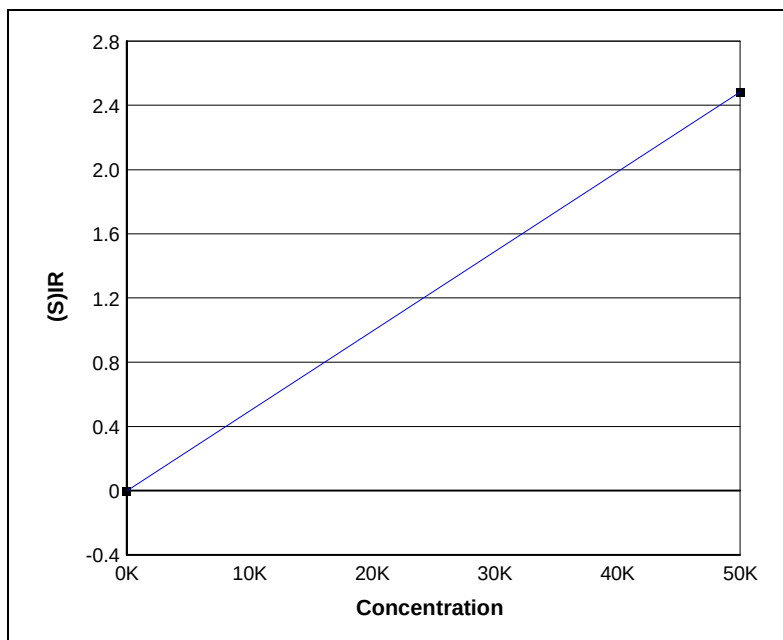
N - The wavelength was de-selected before exposure, no data returned.

R - The wavelength failed intelligent rinse test (i.e. the maximum no. of attempts was exceeded).



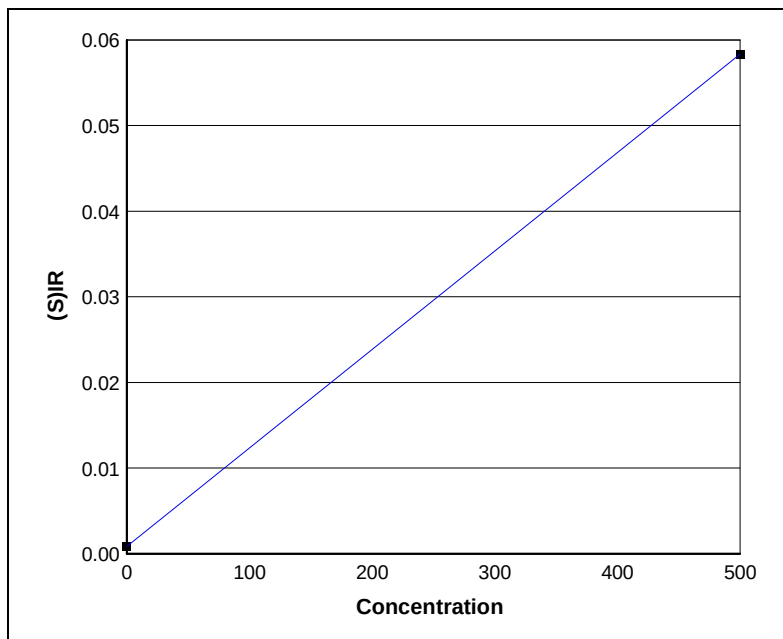
Element Name:	Ag		
Element Wavelength:	Ag 328.068 nm		
Concentration units:	ppb		
Date of Calibration:	9/25/2010 12:37:01P		
Date of Fit:	9/25/2010 12:37:01P		
Type of Fit:	Linear		
Correlation:	1.000000		
A0 (Offset):	-0.004835		
A1 (Gain):	0.004584		
A2(Curvature):	0.000000		
n (Exponent):	1.000000		
Reslope		QC Normalize	
Slope:	1.00000	Slope factor:	1.00
Y-Int:	0.00000	Offset:	0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)/IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD4	500.00	500.00	0.00	0.00	2.29	0.01	1



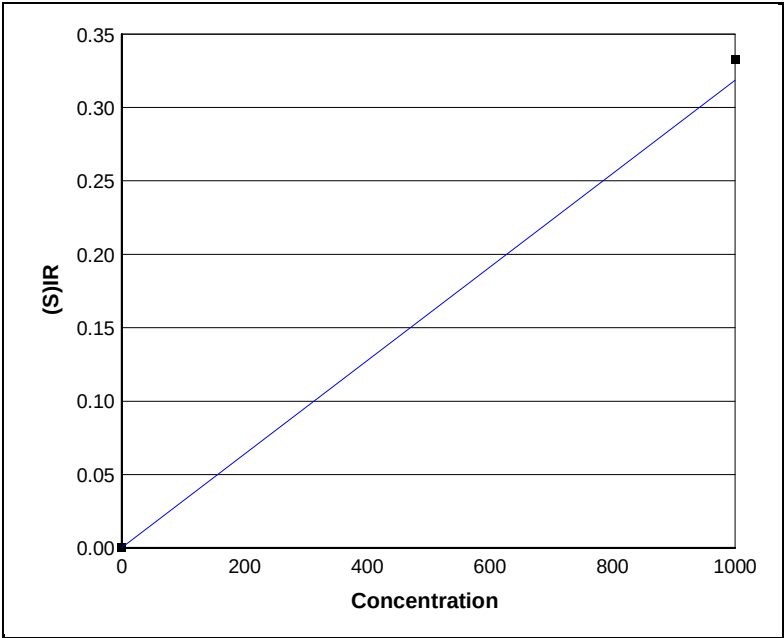
Element Name:		Al
Element Wavelength:		Al 396.152 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:29:10P
Date of Fit:		9/25/2010 12:29:10P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		-0.001555
A1 (Gain):		0.000050
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD7	50,000.00	50,000.00	0.00	0.00	2.48	0.01	1



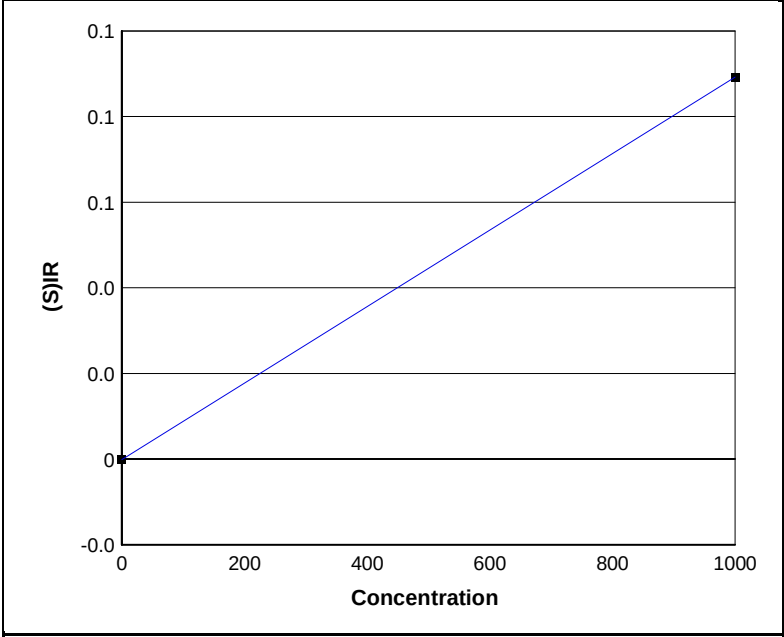
Element Name:		As
Element Wavelength:		As 189.042 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:33:06P
Date of Fit:		9/25/2010 12:33:06P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		0.000839
A1 (Gain):		0.000115
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD8	500.00	500.00	0.00	0.00	0.06	0.00	1



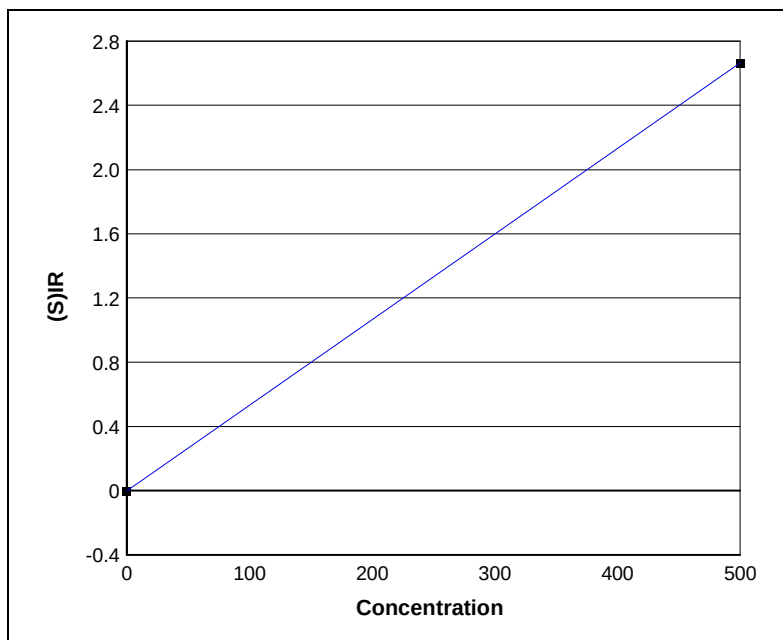
Element Name:		B
Element Wavelength:		B 208.959 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:37:01P
Date of Fit:		9/25/2010 12:37:01P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		0.000177
A1 (Gain):		0.000319
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD4	1,000.00	1,000.00	0.00	0.00	0.33	0.00	1



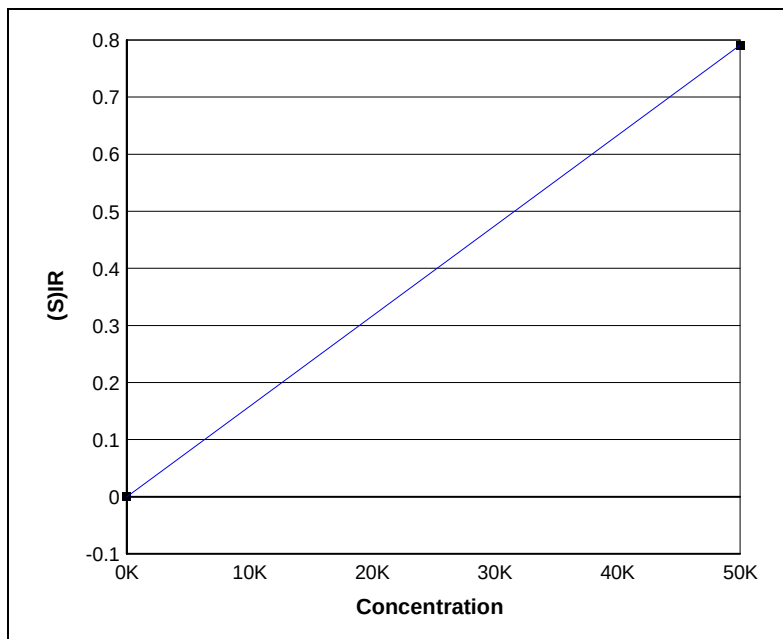
Element Name:		Ba
Element Wavelength:		Ba 233.527 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:37:01P
Date of Fit:		9/25/2010 12:37:01P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		-0.000141
A1 (Gain):		0.000089
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD4	1,000.00	1,000.00	0.00	0.00	0.09	0.00	1



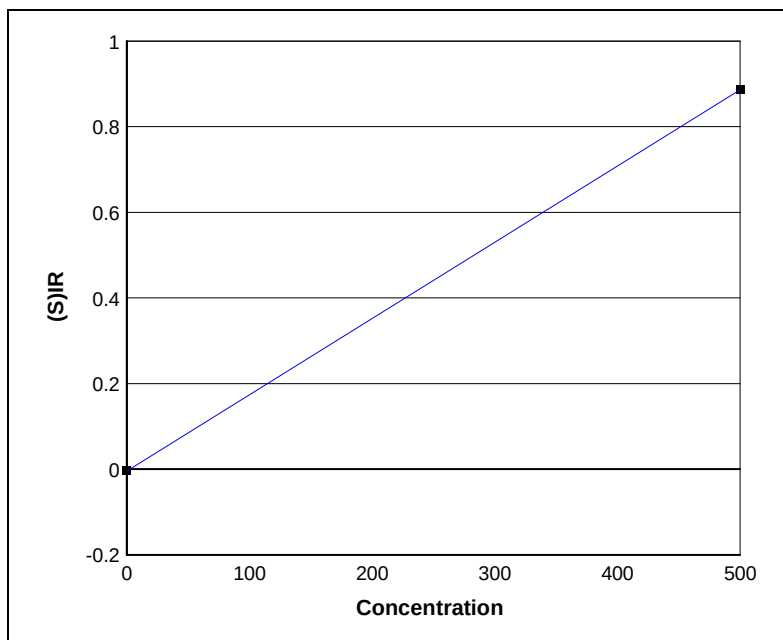
Element Name:		Be
Element Wavelength:		Be 313.042 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:37:01P
Date of Fit:		9/25/2010 12:37:01P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		-0.001558
A1 (Gain):		0.005331
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD4	500.00	500.00	0.00	0.00	2.66	0.01	1



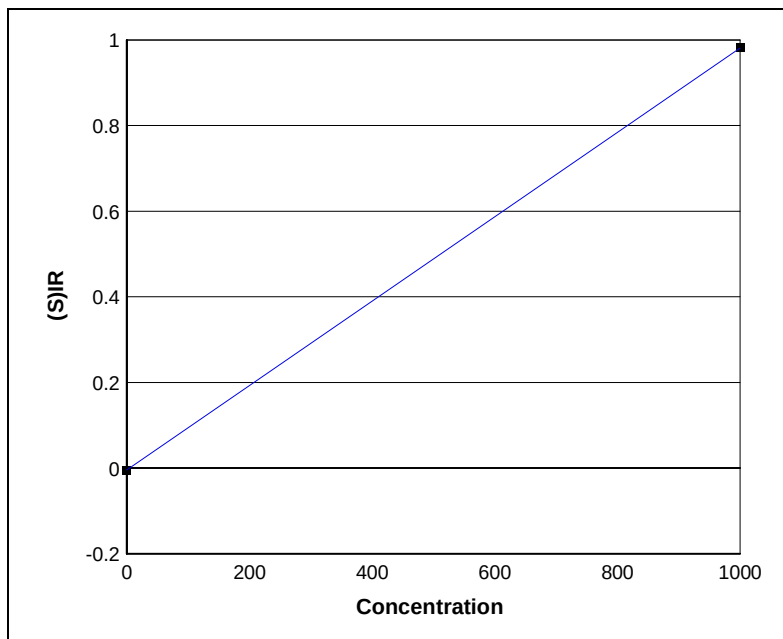
Element Name:		Ca
Element Wavelength:		Ca 318.128 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:29:11P
Date of Fit:		9/25/2010 12:29:11P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		-0.000145
A1 (Gain):		0.000016
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD7	50,000.00	50,000.00	0.00	0.00	0.79	0.00	1



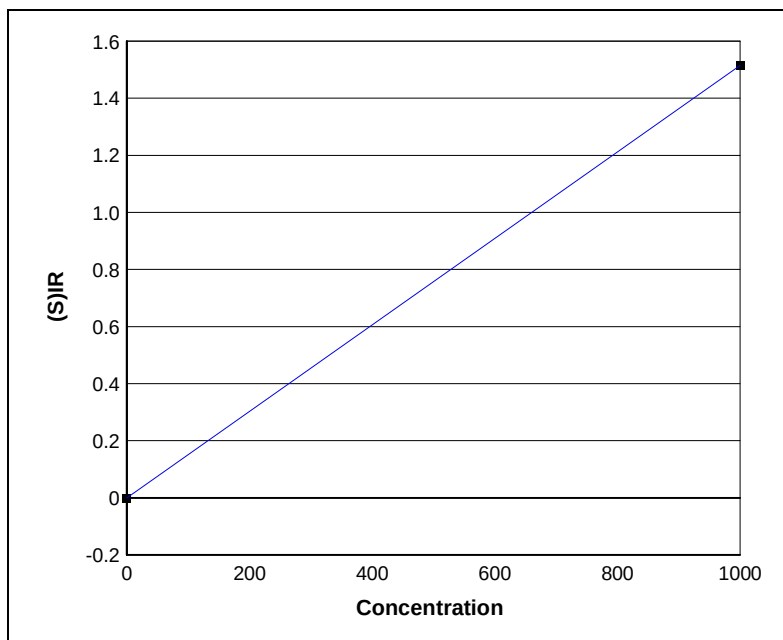
Element Name:		Cd
Element Wavelength:		Cd 228.802 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:37:01P
Date of Fit:		9/25/2010 12:37:01P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		-0.003859
A1 (Gain):		0.001781
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD4	500.00	500.00	0.00	0.00	0.89	0.00	1



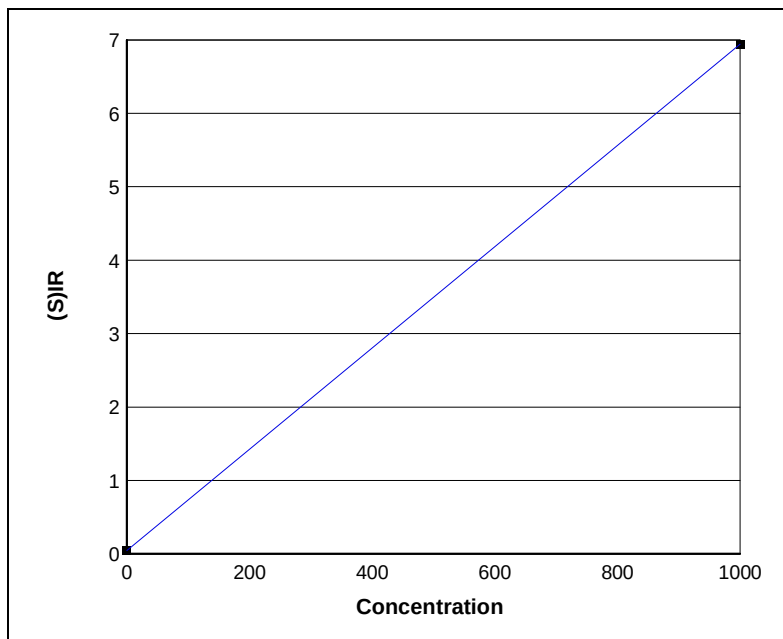
Element Name:		Co
Element Wavelength:		Co 228.616 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:37:02P
Date of Fit:		9/25/2010 12:37:02P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		-0.004511
A1 (Gain):		0.000986
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD4	1,000.00	1,000.00	0.00	0.00	0.98	0.00	1



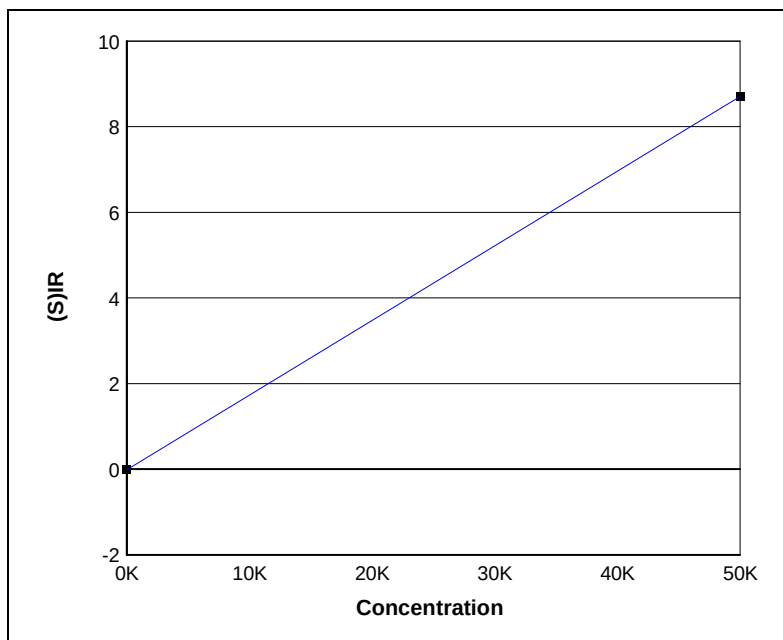
Element Name:		Cr
Element Wavelength:		Cr 205.552 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:37:02P
Date of Fit:		9/25/2010 12:37:02P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		-0.000484
A1 (Gain):		0.001515
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD4	1,000.00	1,000.00	0.00	0.00	1.51	0.00	1



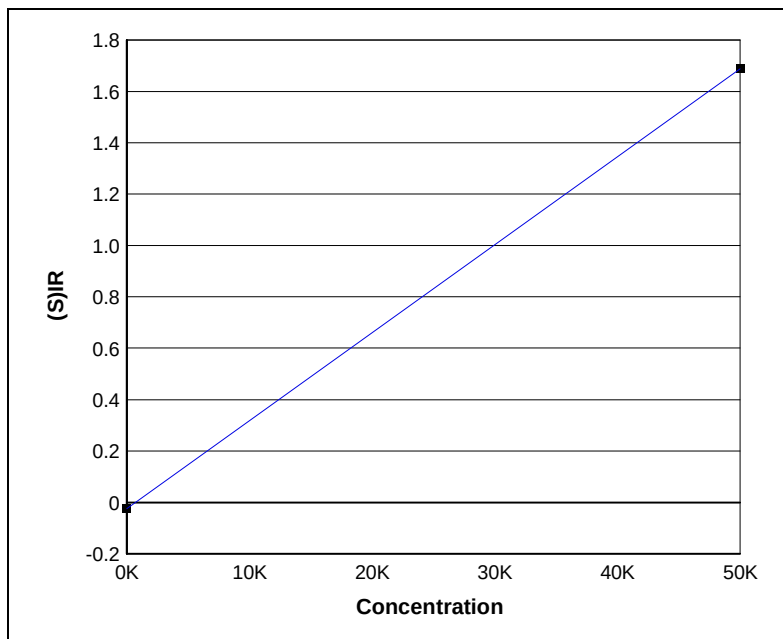
Element Name:		Cu
Element Wavelength:		Cu 324.754 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:37:02P
Date of Fit:		9/25/2010 12:37:02P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		0.042186
A1 (Gain):		0.006902
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.04	0.00	1
STD4	1,000.00	1,000.00	0.00	0.00	6.95	0.02	1



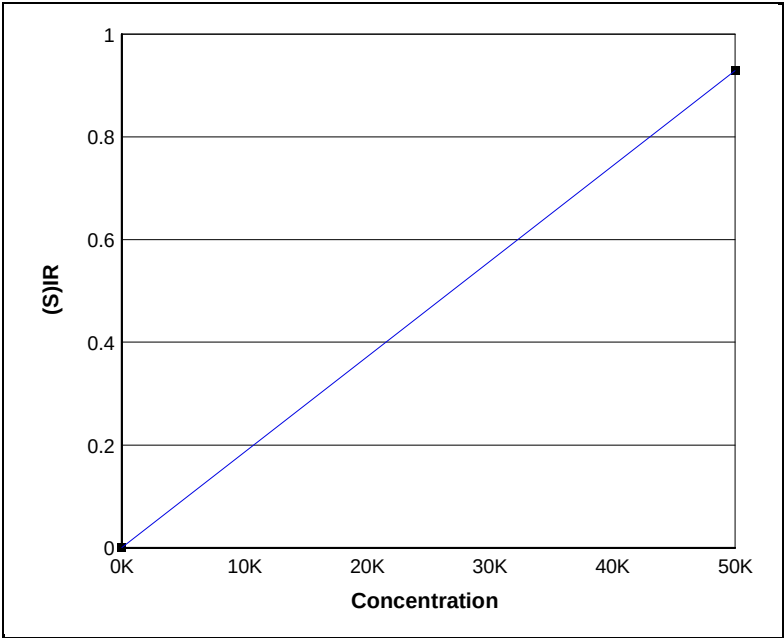
Element Name:		Fe
Element Wavelength:		Fe 271.441 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:29:11P
Date of Fit:		9/25/2010 12:29:11P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		-0.011446
A1 (Gain):		0.000174
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	-0.01	0.00	1
STD7	50,000.00	50,000.00	0.00	0.00	8.71	0.03	1



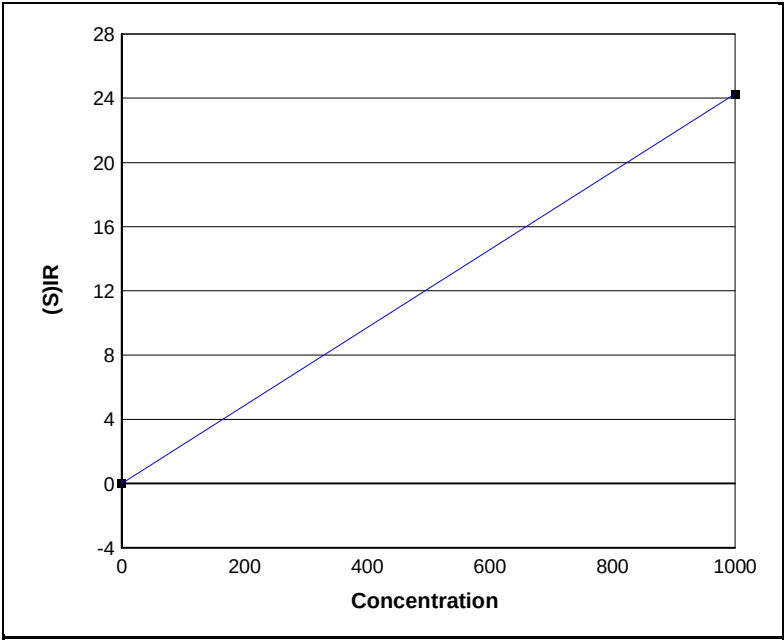
Element Name:		K
Element Wavelength:		K 766.490 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:29:11P
Date of Fit:		9/25/2010 12:29:11P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		-0.023544
A1 (Gain):		0.000034
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	-0.02	0.00	1
STD7	50,000.00	50,000.00	0.00	0.00	1.69	0.00	1



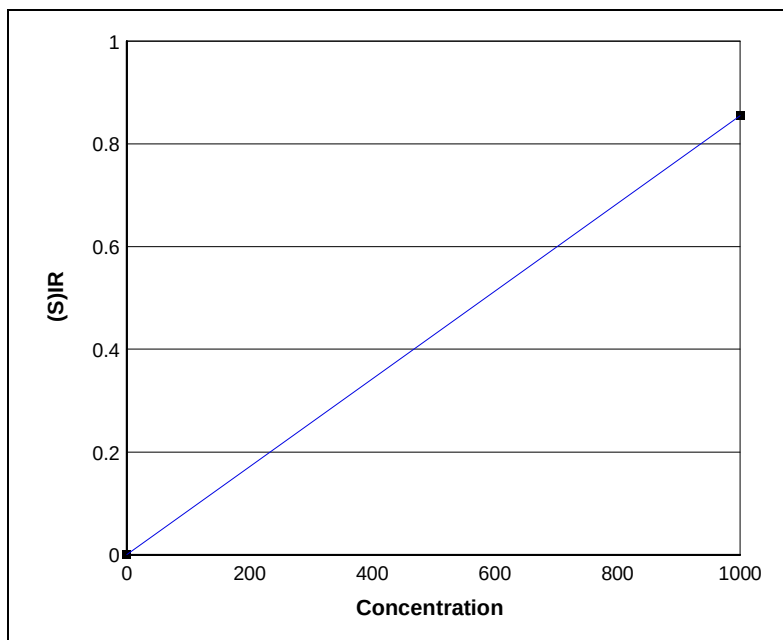
Element Name:		Mg
Element Wavelength:		Mg 279.079 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:29:11P
Date of Fit:		9/25/2010 12:29:11P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		0.000351
A1 (Gain):		0.000019
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD7	50,000.00	50,000.00	0.00	0.00	0.93	0.00	1



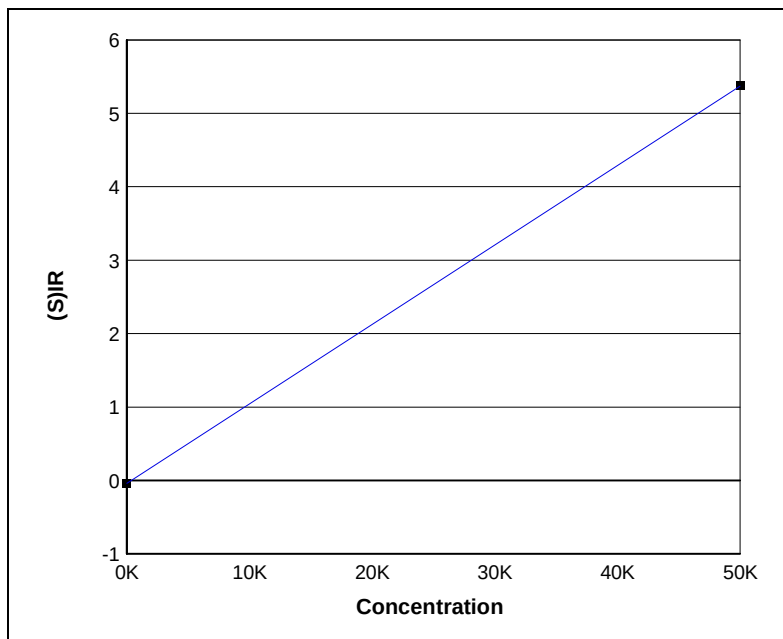
Element Name:		Mn
Element Wavelength:		Mn 257.610 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:37:02P
Date of Fit:		9/25/2010 12:37:02P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		-0.000412
A1 (Gain):		0.024261
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD4	1,000.00	1,000.00	0.00	0.00	24.26	0.03	1



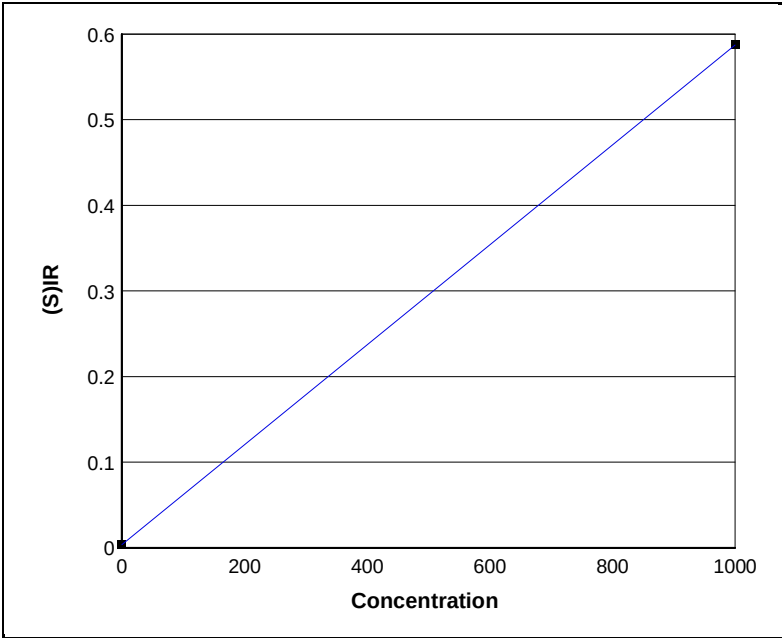
Element Name:		Mo
Element Wavelength:		Mo 202.030 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:37:02P
Date of Fit:		9/25/2010 12:37:02P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		0.000768
A1 (Gain):		0.000854
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD4	1,000.00	1,000.00	0.00	0.00	0.85	0.00	1



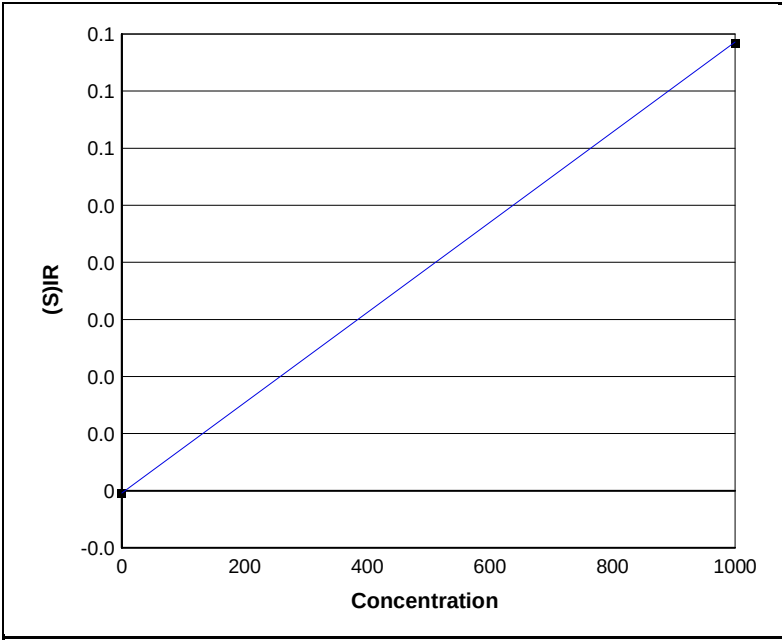
Element Name:		Na
Element Wavelength:		Na 589.592 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:29:11P
Date of Fit:		9/25/2010 12:29:11P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		-0.042003
A1 (Gain):		0.000108
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	-0.04	0.00	1
STD7	50,000.00	50,000.00	0.00	0.00	5.38	0.01	1



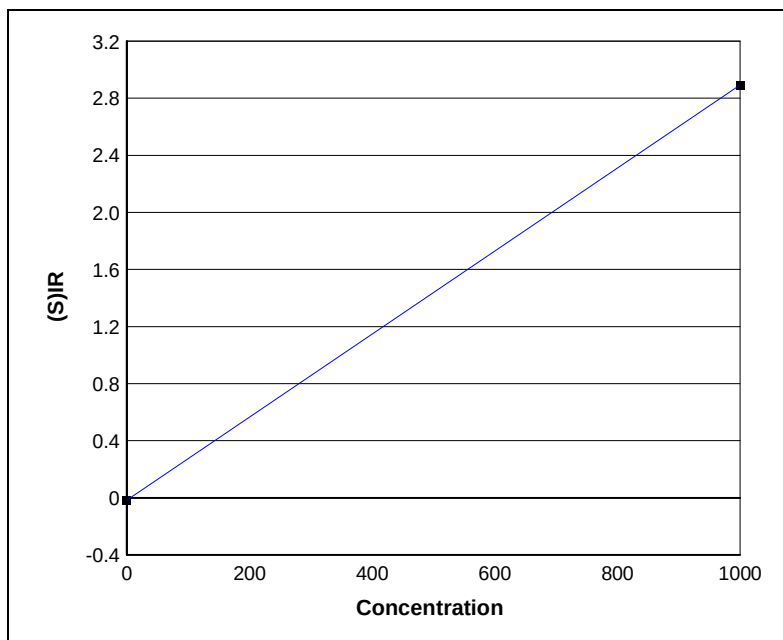
Element Name:		Ni
Element Wavelength:		Ni 231.604 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:37:02P
Date of Fit:		9/25/2010 12:37:02P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		0.003595
A1 (Gain):		0.000584
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD4	1,000.00	1,000.00	0.00	0.00	0.59	0.00	1



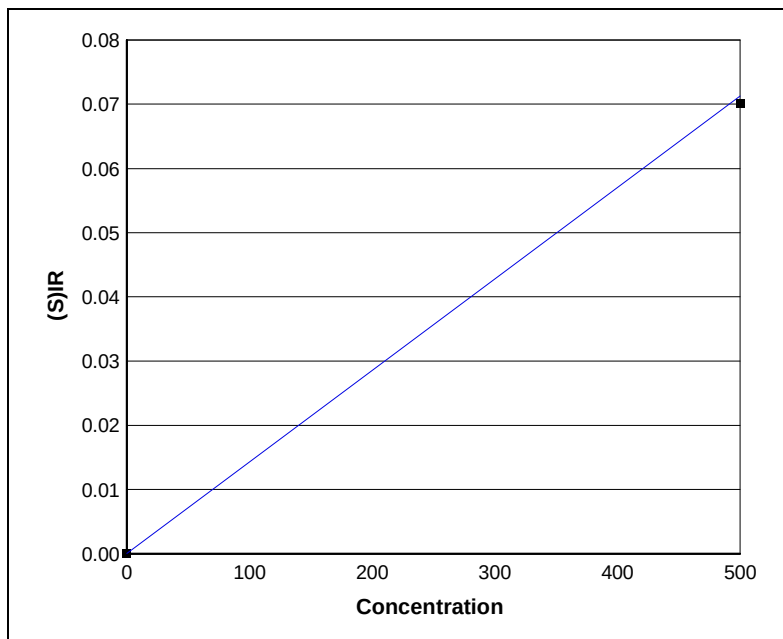
Element Name:		P
Element Wavelength:		P 178.284 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:37:02P
Date of Fit:		9/25/2010 12:37:02P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		-0.000395
A1 (Gain):		0.000079
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD4	1,000.00	1,000.00	0.00	0.00	0.08	0.00	1



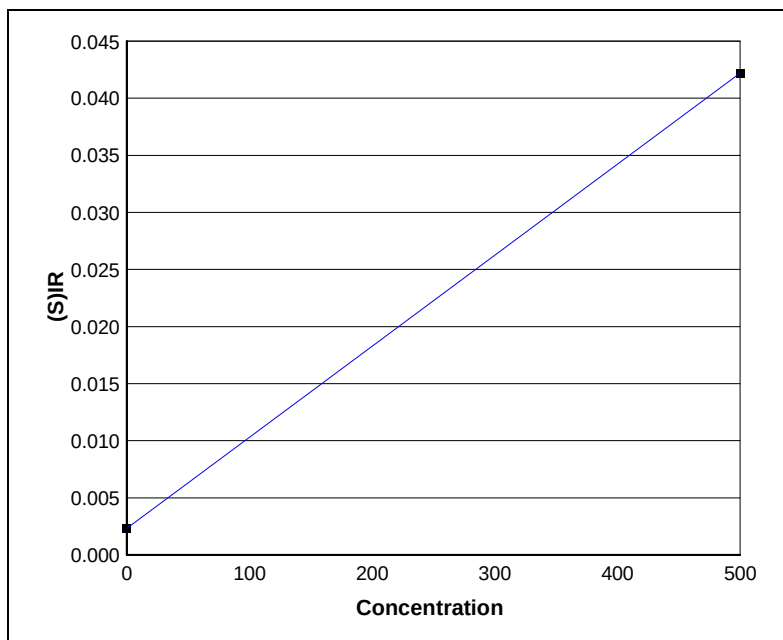
Element Name:		Pb
Element Wavelength:		Pb 220.353 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:33:06P
Date of Fit:		9/25/2010 12:33:06P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		-0.015032
A1 (Gain):		0.002909
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	-0.02	0.00	1
STD8	1,000.00	1,000.00	0.00	0.00	2.89	0.01	1



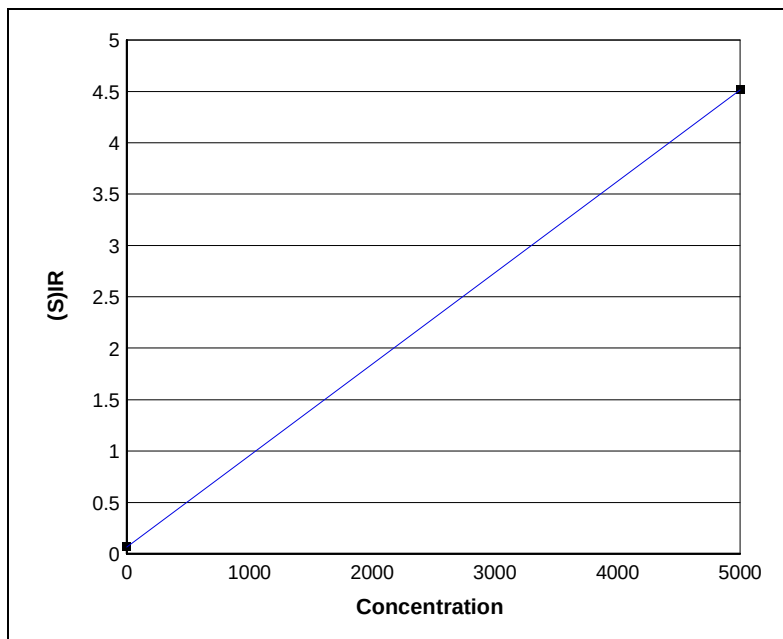
Element Name:		Sb
Element Wavelength:		Sb 206.833 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:33:06P
Date of Fit:		9/25/2010 12:33:06P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		0.000029
A1 (Gain):		0.000142
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD8	500.00	500.00	0.00	0.00	0.07	0.00	1



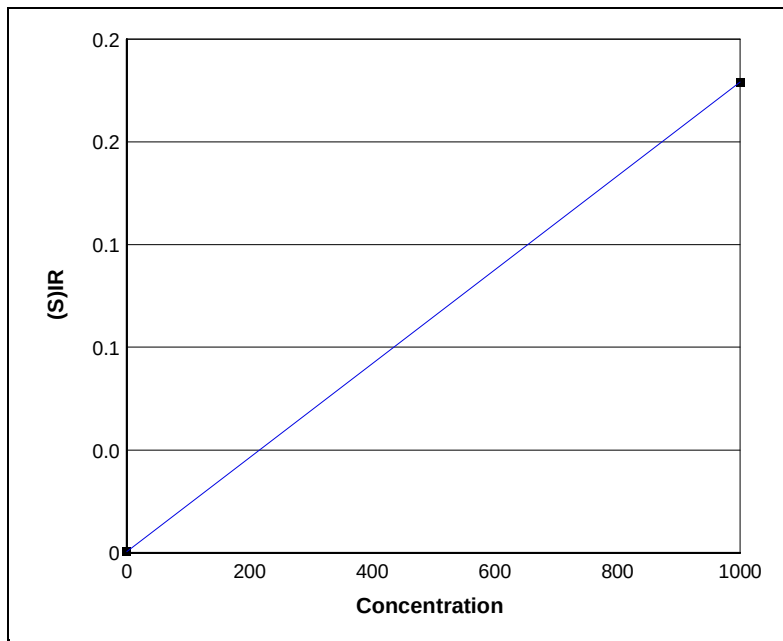
Element Name:		Se
Element Wavelength:		Se 196.090 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:33:06P
Date of Fit:		9/25/2010 12:33:06P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		0.002317
A1 (Gain):		0.000080
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD8	500.00	500.00	0.00	0.00	0.04	0.00	1



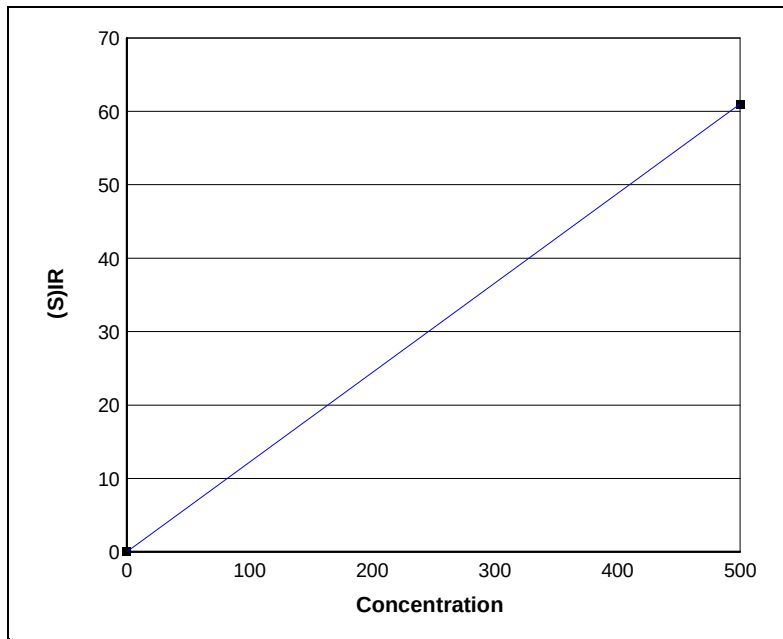
Element Name:		Si
Element Wavelength:		Si 288.158 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:37:02P
Date of Fit:		9/25/2010 12:37:02P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		0.065287
A1 (Gain):		0.000890
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.07	0.00	1
STD4	5,000.00	5,000.00	0.00	0.00	4.52	0.01	1



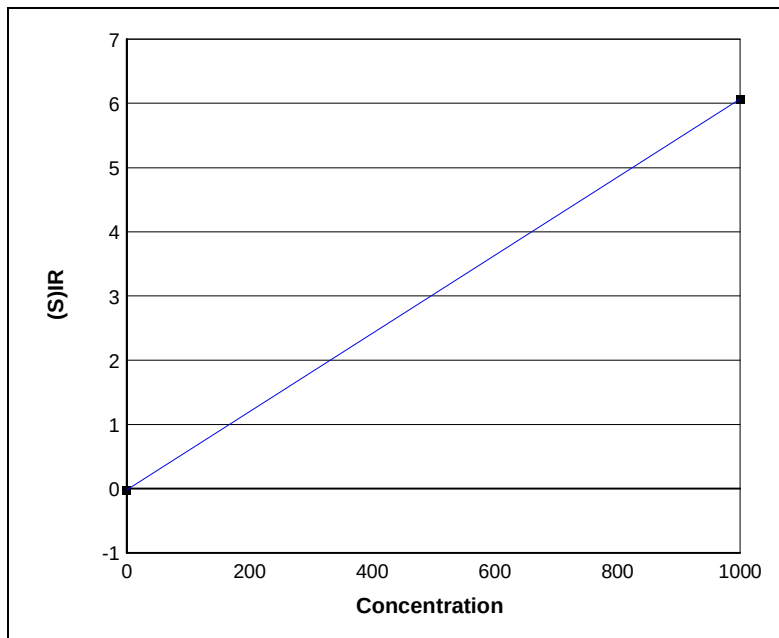
Element Name:		Sn
Element Wavelength:		Sn 189.989 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:33:06P
Date of Fit:		9/25/2010 12:33:06P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		0.000422
A1 (Gain):		0.000183
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD8	1,000.00	1,000.00	0.00	0.00	0.18	0.00	1



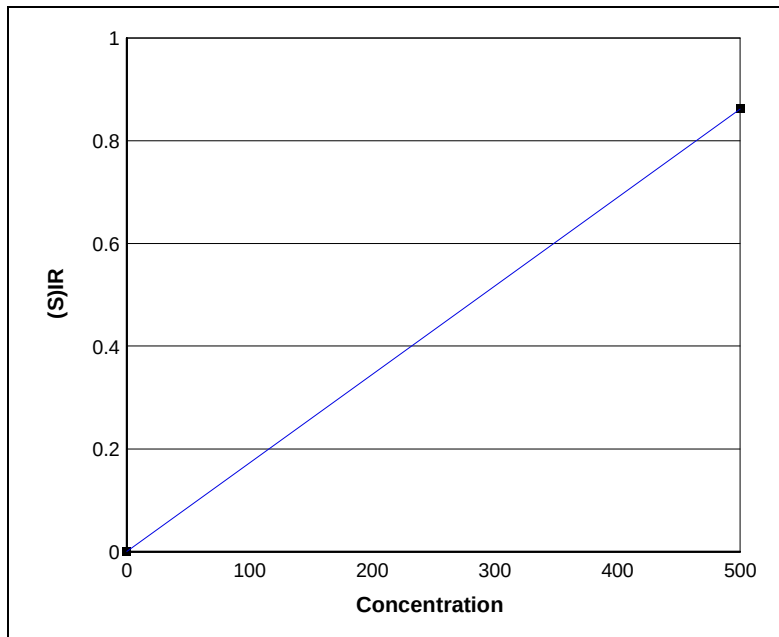
Element Name:		Sr
Element Wavelength:		Sr 407.771 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:37:02P
Date of Fit:		9/25/2010 12:37:02P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		0.004921
A1 (Gain):		0.121971
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD4	500.00	500.00	0.00	0.00	60.99	0.63	1



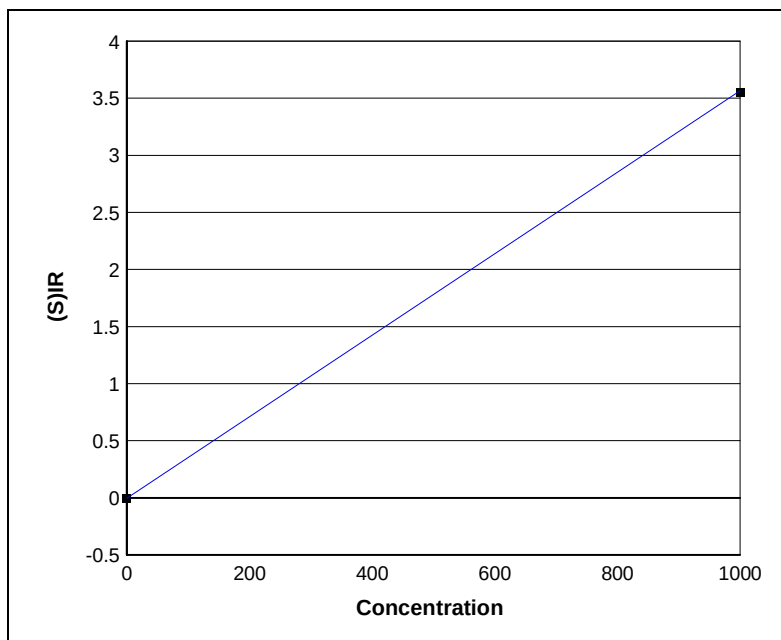
Element Name:		Ti
Element Wavelength:		Ti 334.904 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:37:02P
Date of Fit:		9/25/2010 12:37:02P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		-0.019268
A1 (Gain):		0.006086
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	-0.02	0.00	1
STD4	1,000.00	1,000.00	0.00	0.00	6.07	0.02	1



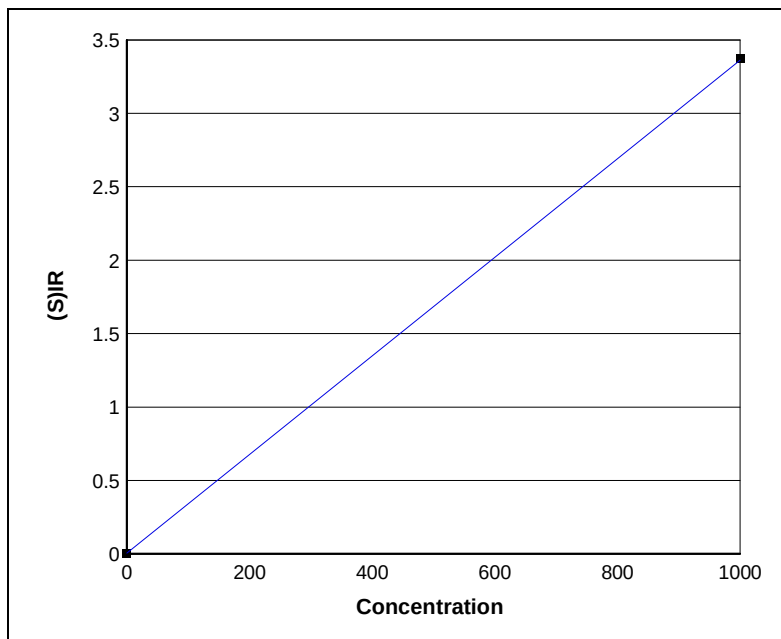
Element Name:		TI
Element Wavelength:		TI 190.856 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:33:07P
Date of Fit:		9/25/2010 12:33:07P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		0.000522
A1 (Gain):		0.001722
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD8	500.00	500.00	0.00	0.00	0.86	0.01	1



Element Name:		V
Element Wavelength:		V 292.402 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:37:02P
Date of Fit:		9/25/2010 12:37:02P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		-0.004165
A1 (Gain):		0.003571
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)/IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD4	1,000.00	1,000.00	0.00	0.00	3.55	0.00	1



Element Name:		Zn
Element Wavelength:		Zn 213.856 nm
Concentration units:		ppb
Date of Calibration:		9/25/2010 12:37:02P
Date of Fit:		9/25/2010 12:37:02P
Type of Fit:		Linear
Correlation:		1.000000
A0 (Offset):		0.002969
A1 (Gain):		0.003360
A2(Curvature):		0.000000
n (Exponent):		1.000000
Reslope		QC Normalize
Slope:	1.00000	Slope factor: 1.00
Y-Int:	0.00000	Offset: 0.00

Standard Name	Stated	Found	Diff.	% Diff.	(S)/IR	StdDev	Emphasis
CalibStd-Blk	0.00	0.00	0.00	0.00	0.00	0.00	1
STD4	1,000.00	1,000.00	0.00	0.00	3.38	0.00	1

Sample Name	Acquisition date	Sample type	Correction factor
CalibStd-Blk	9/25/2010 12:21:31PM	Standard	1.00

Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
1/1/1	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00483548	-0.00155495	0.000839192	0.000177123	-0.000140501
Std Dev:	0.00291378	0.00140667	3.47621e-005	7.25344e-005	0.000343714
%RSD:	60.2583	90.4637	4.14233	40.9514	244.636
Repeat:1	-0.00689583	-0.000560287	0.000863773	0.000125834	-0.000383543
Repeat:2	-0.00277513	-0.00254961	0.000814612	0.000228413	0.000102542
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL

Avg. of Repeats:	-0.00155779	-0.000145178	-0.00385946	-0.00451117	-0.000483586
Std Dev:	0.000335838	0.000106473	0.000468032	0.000444271	0.000125625
%RSD:	21.5586	73.3397	12.1269	9.84825	25.9777
Repeat:1	-0.00132032	-6.98901e-005	-0.00419041	-0.00482531	-0.000394756
Repeat:2	-0.00179527	-0.000220466	-0.00352851	-0.00419702	-0.000572416
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0421858	-0.0114464	-0.0235439	0.000351139	-0.000411895
Std Dev:	0.00118717	0.00128561	0.00142832	0.000421853	0.00271215
%RSD:	2.81415	11.2316	6.06661	120.139	658.456
Repeat:1	0.0413463	-0.0105373	-0.022534	5.28438e-005	-0.00232967
Repeat:2	0.0430252	-0.0123554	-0.0245539	0.000649434	0.00150588
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000768333	-0.0420028	0.00359517	-0.000394538	-0.0150318
Std Dev:	8.90157e-006	0.00273866	0.000148533	0.000179174	0.00422233
%RSD:	1.15856	6.52017	4.13145	45.4135	28.0893
Repeat:1	0.000774627	-0.0400663	0.0037002	-0.000267843	-0.0180174
Repeat:2	0.000762038	-0.0439393	0.00349014	-0.000521233	-0.0120462
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	2.94964e-005	0.00231683	0.0652872	0.000422162	0.00492053
Std Dev:	0.000139857	0.000150137	0.00142969	7.62458e-005	0.00449139
%RSD:	474.148	6.48028	2.18984	18.0608	91.2786
Repeat:1	-6.93971e-005	0.00242299	0.0642762	0.000368248	0.00174464
Repeat:2	0.00012839	0.00221067	0.0662981	0.000476076	0.00809642
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0192685	0.000522214	-0.00416543	0.00296862	378.505
Std Dev:	0.00226102	0.0043699	0.000627548	0.000146044	1.08179
%RSD:	11.7343	836.803	15.0656	4.91957	0.285807
Repeat:1	-0.0176697	-0.00256777	-0.00460917	0.00307189	377.74
Repeat:2	-0.0208672	0.0036122	-0.00372168	0.00286535	379.27
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3481.57	3387.13	5858.8		
Std Dev:	1.15479	1.39958	10.6773		
%RSD:	0.0331688	0.0413206	0.182244		
Repeat:1	3482.39	3386.14	5866.35		
Repeat:2	3480.76	3388.12	5851.25		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00483548	-0.00155495	0.000839192	0.000177123	-0.000140501
Std Dev:	0.00291378	0.00140667	3.47621e-005	7.25344e-005	0.000343714
%RSD:	60.2583	90.4637	4.14233	40.9514	244.636
Repeat:1	-0.00689583	-0.000560287	0.000863773	0.000125834	-0.000383543
Repeat:2	-0.00277513	-0.00254961	0.000814612	0.000228413	0.000102542
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.00155779	-0.000145178	-0.00385946	-0.00451117	-0.000483586
Std Dev:	0.000335838	0.000106473	0.000468032	0.000444271	0.000125625
%RSD:	21.5586	73.3397	12.1269	9.84825	25.9777
Repeat:1	-0.00132032	-6.98901e-005	-0.00419041	-0.00482531	-0.000394756
Repeat:2	-0.00179527	-0.000220466	-0.00352851	-0.00419702	-0.000572416
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0421858	-0.0114464	-0.0235439	0.000351139	-0.000411895
Std Dev:	0.00118717	0.00128561	0.00142832	0.000421853	0.00271215
%RSD:	2.81415	11.2316	6.06661	120.139	658.456
Repeat:1	0.0413463	-0.0105373	-0.022534	5.28438e-005	-0.00232967

Repeat:2	0.0430252	-0.0123554	-0.0245539	0.000649434	0.00150588
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000768333	-0.0420028	0.00359517	-0.000394538	-0.0150318
Std Dev:	8.90157e-006	0.00273866	0.000148533	0.000179174	0.00422233
%RSD:	1.15856	6.52017	4.13145	45.4135	28.0893
Repeat:1	0.000774627	-0.0400663	0.0037002	-0.000267843	-0.0180174
Repeat:2	0.000762038	-0.0439393	0.00349014	-0.000521233	-0.0120462
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	2.94964e-005	0.00231683	0.0652872	0.000422162	0.00492053
Std Dev:	0.000139857	0.000150137	0.00142969	7.62458e-005	0.00449139
%RSD:	474.148	6.48028	2.18984	18.0608	91.2786
Repeat:1	-6.93971e-005	0.00242299	0.0642762	0.000368248	0.00174464
Repeat:2	0.00012839	0.00221067	0.0662981	0.000476076	0.00809642
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0192685	0.000522214	-0.00416543	0.00296862	378.505
Std Dev:	0.00226102	0.0043699	0.000627548	0.000146044	1.08179
%RSD:	11.7343	836.803	15.0656	4.91957	0.285807
Repeat:1	-0.0176697	-0.00256777	-0.00460917	0.00307189	377.74
Repeat:2	-0.0208672	0.0036122	-0.00372168	0.00286535	379.27
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3481.57	3387.13	5858.8		
Std Dev:	1.15479	1.39958	10.6773		
%RSD:	0.0331688	0.0413206	0.182244		
Repeat:1	3482.39	3386.14	5866.35		
Repeat:2	3480.76	3388.12	5851.25		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.131738	-3.70933	2.04405	-0.32907	4.59487
Std Dev:	0.490284	31.5373	0.305054	0.228994	4.04242
%RSD:	372.167	850.217	14.9241	69.5881	87.9769
Repeat:1	-0.214946	18.5909	2.25975	-0.490993	1.73644
Repeat:2	0.478421	-26.0096	1.82834	-0.167147	7.45329
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.251963	-24.8131	0.140146	-0.947288	-0.109053
Std Dev:	0.0736212	8.97184	0.268604	0.455961	0.0998267
%RSD:	29.2191	36.1576	191.66	48.1333	91.5397
Repeat:1	-0.199905	-18.4691	-0.049786	-1.2697	-0.0384648
Repeat:2	-0.304021	-31.1572	0.330078	-0.624875	-0.179641
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.403529	-15.5846	53.549	29.7808	0.387541
Std Dev:	0.153351	5.85332	41.6565	27.9896	0.102303
%RSD:	38.0024	37.5584	77.7913	93.9852	26.3981
Repeat:1	0.295094	-11.4457	83.0046	9.9892	0.315201
Repeat:2	0.511965	-19.7235	24.0934	49.5724	0.45988
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.707046	235.104	0.0125746	-5.78039	-3.75793
Std Dev:	0.0110562	29.4379	0.263992	2.9696	1.52458
%RSD:	1.56372	12.5212	2099.41	51.3737	40.5697
Repeat:1	0.714864	255.92	0.199245	-3.68056	-4.83597

Repeat:2	0.699228	214.288	-0.174096	-7.88021	-2.67989
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-2.41036	4.02633	-3.4489	-0.243756	-0.0647352
Std Dev:	0.995761	2.03797	1.28806	0.51971	0.0391544
%RSD:	41.3116	50.6161	37.3471	213.209	60.4839
Repeat:1	-3.11447	5.46739	-4.3597	-0.611246	-0.0924215
Repeat:2	-1.70625	2.58527	-2.5381	0.123735	-0.0370489
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	0.248261	2.21618	1.08948	0.0451223	378.505
Std Dev:	0.355595	2.33945	0.142255	0.0513485	1.08179
%RSD:	143.234	105.562	13.0571	113.799	0.285807
Repeat:1	0.499705	0.561939	0.988892	0.0814312	377.74
Repeat:2	-0.0031825	3.87043	1.19007	0.00881338	379.27
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3481.57	3387.13	5858.8		
Std Dev:	1.15479	1.39958	10.6773		
%RSD:	0.0331688	0.0413206	0.182244		
Repeat:1	3482.39	3386.14	5866.35		
Repeat:2	3480.76	3388.12	5851.25		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	378.505	3481.57	3387.13	5858.8
Std Dev:	1.08179	1.15479	1.39958	10.6773
%RSD:	0.285807	0.0331688	0.0413206	0.182244
Repeat:1	377.74	3482.39	3386.14	5866.35
Repeat:2	379.27	3480.76	3388.12	5851.25

Sample Name	Acquisition date	Sample type	Correction factor
STD7	9/25/2010 12:25:23PM	Standard	1.00

Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
1/2/1	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Al-HL	Ca-HL	Fe-LL2	K-LL	Mg-LL
Avg. of Repeats:	2.48398	0.790962	8.70857	1.68791	0.929168
Std Dev:	0.0131082	0.00410033	0.027638	0.000777287	0.00326928
%RSD:	0.52771	0.518397	0.317365	0.0460503	0.35185
Repeat:1	2.49325	0.793862	8.72811	1.68846	0.93148
Repeat:2	2.47471	0.788063	8.68902	1.68736	0.926857
Element/Wavelength	Na-LL	Y_HWAX	Y_HWRD		
Avg. of Repeats:	5.37611	3419.46	5845.88		
Std Dev:	0.0101507	1.30574	32.7385		
%RSD:	0.188812	0.0381856	0.560026		
Repeat:1	5.38329	3418.53	5822.73		
Repeat:2	5.36894	3420.38	5869.03		

Corrected CTS/S

Element/Wavelength	Al-HL	Ca-HL	Fe-LL2	K-LL	Mg-LL
Avg. of Repeats:	2.48398	0.790962	8.70857	1.68791	0.929168
Std Dev:	0.0131082	0.00410033	0.027638	0.000777287	0.00326928
%RSD:	0.52771	0.518397	0.317365	0.0460503	0.35185

Repeat:1	2.49325	0.793862	8.72811	1.68846	0.93148
Repeat:2	2.47471	0.788063	8.68902	1.68736	0.926857
Element/Wavelength	Na-LL	Y_HWAX	Y_HWRD		
Avg. of Repeats:	5.37611	3419.46	5845.88		
Std Dev:	0.0101507	1.30574	32.7385		
%RSD:	0.188812	0.0381856	0.560026		
Repeat:1	5.38329	3418.53	5822.73		
Repeat:2	5.36894	3420.38	5869.03		

Concentration

Element/Wavelength	Al-HL	Ca-HL	Fe-LL2	K-LL	Mg-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	Z *****	Z *****	0	0	0
Std Dev:	----	----	0	0	0
%RSD:	----	----	0	0	0
Repeat:1	Z ----	Z ----	0	0	0
Repeat:2	Z ----	Z ----	0	0	0
Element/Wavelength	Na-LL	Y_HWAX	Y_HWRD		
Units:	ppb	----	----		
Avg. of Repeats:	0	3419.46	5845.88		
Std Dev:	0	1.30574	32.7385		
%RSD:	0	0.0381856	0.560026		
Repeat:1	0	3418.53	5822.73		
Repeat:2	0	3420.38	5869.03		

Internal Standards

Element/Wavelength	Y_HWAX	Y_HWRD
Avg. of Repeats:	3419.46	5845.88
Std Dev:	1.30574	32.7385
%RSD:	0.0381856	0.560026
Repeat:1	3418.53	5822.73
Repeat:2	3420.38	5869.03

Sample Name	Acquisition date	Sample type	Correction factor
STD8	9/25/2010 12:29:14PM	Standard	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
1/3/1	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	As-LL	Pb-LL	Sb-LL	Se-LL	Sn1899-2
Avg. of Repeats:	0.0583552	2.89369	0.0701559	0.0421995	0.183344
Std Dev:	0.000254558	0.00591212	0.000927677	0.000372978	0.000158049
%RSD:	0.436222	0.204311	1.32231	0.883846	0.0862037
Repeat:1	0.0581752	2.88951	0.0695	0.0419357	0.183232
Repeat:2	0.0585352	2.89787	0.0708119	0.0424632	0.183456
Element/Wavelength	Ti-LL	In2306	Y_-LWAX		
Avg. of Repeats:	0.861741	381.043	3405.93		
Std Dev:	0.00672219	0.200941	1.9665		
%RSD:	0.780071	0.0527344	0.0577374		
Repeat:1	0.856987	380.901	3407.32		
Repeat:2	0.866494	381.185	3404.54		

Corrected CTS/S

Element/Wavelength	As-LL	Pb-LL	Sb-LL	Se-LL	Sn1899-2
Avg. of Repeats:	0.0583552	2.89369	0.0701559	0.0421995	0.183344
Std Dev:	0.000254558	0.00591212	0.000927677	0.000372978	0.000158049

%RSD:	0.436222	0.204311	1.32231	0.883846	0.0862037
Repeat:1	0.0581752	2.88951	0.0695	0.0419357	0.183232
Repeat:2	0.0585352	2.89787	0.0708119	0.0424632	0.183456
Element/Wavelength	Ti-LL	In2306	Y_-LWAX		
Avg. of Repeats:	0.861741	381.043	3405.93		
Std Dev:	0.00672219	0.200941	1.9665		
%RSD:	0.780071	0.0527344	0.0577374		
Repeat:1	0.856987	380.901	3407.32		
Repeat:2	0.866494	381.185	3404.54		

Concentration

Element/Wavelength	As-LL	Pb-LL	Sb-LL	Se-LL	Sn1899-2
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	z *****	0	0	0	0
Std Dev:	----	0	0	0	0
%RSD:	----	0	0	0	0
Repeat:1	z ----	0	0	0	0
Repeat:2	z ----	0	0	0	0
Element/Wavelength	Ti-LL	In2306	Y_-LWAX		
Units:	ppb	----	----		
Avg. of Repeats:	0	381.043	3405.93		
Std Dev:	0	0.200941	1.9665		
%RSD:	0	0.0527344	0.0577374		
Repeat:1	0	380.901	3407.32		
Repeat:2	0	381.185	3404.54		

Internal Standards

Element/Wavelength	In2306	Y_-LWAX
Avg. of Repeats:	381.043	3405.93
Std Dev:	0.200941	1.9665
%RSD:	0.0527344	0.0577374
Repeat:1	380.901	3407.32
Repeat:2	381.185	3404.54

Sample Name	Acquisition date	Sample type	Correction factor
STD4	9/25/2010 12:33:10PM	Standard	1.00

Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
1/4/1	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	B_-LL	Ba-LL	Be-LL	Cd-HL
Avg. of Repeats:	2.28736	0.332611	0.0890994	2.65989	0.886624
Std Dev:	0.00771871	0.000968684	0.000404004	0.0109825	0.000749817
%RSD:	0.33745	0.291236	0.453431	0.412891	0.08457
Repeat:1	2.29282	0.331926	0.0888137	2.65213	0.887154
Repeat:2	2.28191	0.333296	0.089385	2.66766	0.886093
Element/Wavelength	Co-LL	Cr-LL	Cu-LL	Mn-LL	Mo-LL
Avg. of Repeats:	0.982052	1.51422	6.94549	24.2608	0.854354
Std Dev:	0.000953392	0.00260691	0.01551	0.0310467	0.00475155
%RSD:	0.0970815	0.172163	0.223311	0.127971	0.556157
Repeat:1	0.981378	1.51237	6.95646	24.2828	0.850994
Repeat:2	0.982727	1.51606	6.93452	24.2389	0.857714
Element/Wavelength	Ni-LL	P_-HL	Si-LL	Sr-LL	Ti-LL
Avg. of Repeats:	0.58775	0.078426	4.52153	60.9905	6.07059
Std Dev:	0.000277704	0.00012047	0.0105109	0.631345	0.0218613

%RSD:	0.0472487	0.15361	0.232462	1.03515	0.360118
Repeat:1	0.587553	0.0783408	4.52896	60.5441	6.08604
Repeat:2	0.587946	0.0785112	4.5141	61.4369	6.05513
Element/Wavelength	V_-LL	Zn-LL2	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	3.54756	3.37594	3509.62	3409.08	5922.67
Std Dev:	0.00176297	0.0042077	2.64017	4.07153	56.1078
%RSD:	0.0496954	0.124638	0.0752267	0.119432	0.947341
Repeat:1	3.54881	3.37296	3507.75	3411.96	5962.34
Repeat:2	3.54632	3.37891	3511.49	3406.2	5882.99

Corrected CTS/S

Element/Wavelength	Ag-LL	B_-LL	Ba-LL	Be-LL	Cd-HL
Avg. of Repeats:	2.28736	0.332611	0.0890994	2.65989	0.886624
Std Dev:	0.00771871	0.000968684	0.000404004	0.0109825	0.000749817
%RSD:	0.33745	0.291236	0.453431	0.412891	0.08457
Repeat:1	2.29282	0.331926	0.0888137	2.65213	0.887154
Repeat:2	2.28191	0.333296	0.089385	2.66766	0.886093

Element/Wavelength	Co-LL	Cr-LL	Cu-LL	Mn-LL	Mo-LL
Avg. of Repeats:	0.982052	1.51422	6.94549	24.2608	0.854354
Std Dev:	0.000953392	0.00260691	0.01551	0.0310467	0.00475155
%RSD:	0.0970815	0.172163	0.223311	0.127971	0.556157
Repeat:1	0.981378	1.51237	6.95646	24.2828	0.850994
Repeat:2	0.982727	1.51606	6.93452	24.2389	0.857714

Element/Wavelength	Ni-LL	P_-HL	Si-LL	Sr-LL	Ti-LL
Avg. of Repeats:	0.58775	0.078426	4.52153	60.9905	6.07059
Std Dev:	0.000277704	0.00012047	0.0105109	0.631345	0.0218613
%RSD:	0.0472487	0.15361	0.232462	1.03515	0.360118
Repeat:1	0.587553	0.0783408	4.52896	60.5441	6.08604
Repeat:2	0.587946	0.0785112	4.5141	61.4369	6.05513

Element/Wavelength	V_-LL	Zn-LL2	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	3.54756	3.37594	3509.62	3409.08	5922.67
Std Dev:	0.00176297	0.0042077	2.64017	4.07153	56.1078
%RSD:	0.0496954	0.124638	0.0752267	0.119432	0.947341
Repeat:1	3.54881	3.37296	3507.75	3411.96	5962.34
Repeat:2	3.54632	3.37891	3511.49	3406.2	5882.99

Concentration

Element/Wavelength	Ag-LL	B_-LL	Ba-LL	Be-LL	Cd-HL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	Z *****	Z *****	Z *****	Z *****	Z *****
Std Dev:	----	----	----	----	----
%RSD:	----	----	----	----	----
Repeat:1	Z ----	Z ----	Z ----	Z ----	Z ----
Repeat:2	Z ----	Z ----	Z ----	Z ----	Z ----

Element/Wavelength	Co-LL	Cr-LL	Cu-LL	Mn-LL	Mo-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	Z *****	Z *****	Z *****	Z *****	Z *****
Std Dev:	----	----	----	----	----
%RSD:	----	----	----	----	----
Repeat:1	Z ----	Z ----	Z ----	Z ----	Z ----
Repeat:2	Z ----	Z ----	Z ----	Z ----	Z ----

Element/Wavelength	Ni-LL	P_-HL	Si-LL	Sr-LL	Ti-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	Z *****	Z *****	0	0	0
Std Dev:	----	----	0	0	0

%RSD:	----	----	0	0	0
Repeat:1	z ----	z ----	0	0	0
Repeat:2	z ----	z ----	0	0	0
Element/Wavelength	V_-LL	Zn-LL2	Y_HWAX	Y_-LWAX	Y_HWRD
Units:	ppb	ppb	----	----	----
Avg. of Repeats:	0	0	3509.62	3409.08	5922.67
Std Dev:	0	0	2.64017	4.07153	56.1078
%RSD:	0	0	0.0752267	0.119432	0.947341
Repeat:1	0	0	3507.75	3411.96	5962.34
Repeat:2	0	0	3511.49	3406.2	5882.99

Internal Standards

Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	3509.62	3409.08	5922.67
Std Dev:	2.64017	4.07153	56.1078
%RSD:	0.0752267	0.119432	0.947341
Repeat:1	3507.75	3411.96	5962.34
Repeat:2	3511.49	3406.2	5882.99

Sample Name	Acquisition date	Sample type	Correction factor
ICV	9/25/2010 12:37:06PM	QC	1.00

Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
1/5/1	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	2.1844	1.31887	0.0300425	0.165976	0.0425099
Std Dev:	0.00312385	0.00495551	0.000165531	4.09085e-005	0.000145879
%RSD:	0.143008	0.375738	0.550989	0.0246473	0.343166
Repeat:1	2.18219	1.32238	0.0299255	0.165947	0.0424067
Repeat:2	2.18661	1.31537	0.0301596	0.166005	0.042613
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	2.69857	0.41103	0.844574	0.462044	0.731657
Std Dev:	0.0115394	0.00142382	0.00070971	0.00068466	0.00238176
%RSD:	0.427611	0.346403	0.0840317	0.148181	0.325553
Repeat:1	2.70673	0.410023	0.844072	0.46156	0.729973
Repeat:2	2.69041	0.412037	0.845076	0.462528	0.733341
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	3.21536	4.60472	0.854961	0.475779	11.3644
Std Dev:	0.00165438	0.00128568	0.00776195	0.00181182	0.0143624
%RSD:	0.0514523	0.0279209	0.907872	0.380811	0.126381
Repeat:1	3.21419	4.60563	0.860449	0.477061	11.3745
Repeat:2	3.21653	4.60382	0.849472	0.474498	11.3542
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.437276	2.7513	0.279699	0.0394589	2.88407
Std Dev:	0.00328213	0.00320167	0.000615748	1.54761e-005	0.0200265
%RSD:	0.750585	0.11637	0.220146	0.0392208	0.694384
Repeat:1	0.434955	2.75356	0.279264	0.0394699	2.89823
Repeat:2	0.439597	2.74903	0.280135	0.039448	2.86991
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.0372928	0.0220802	0.288777	0.0451805	58.5976
Std Dev:	2.37448e-006	5.71115e-005	0.000774204	0.000437266	0.419306
%RSD:	0.00636712	0.258655	0.268098	0.967821	0.715569
Repeat:1	0.0372911	0.0220398	0.289324	0.0448713	58.8941

Repeat:2	0.0372945	0.0221206	0.288229	0.0454897	58.3011
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	3.03058	0.411878	1.78044	1.68686	359.698
Std Dev:	0.00146933	0.00589514	0.007415	0.00682302	2.1363
%RSD:	0.0484835	1.43128	0.41647	0.404481	0.593915
Repeat:1	3.03162	0.40771	1.78568	1.68203	358.188
Repeat:2	3.02954	0.416047	1.7752	1.69168	361.209
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3442.58	3369.61	5872.74		
Std Dev:	3.54936	1.29507	19.6539		
%RSD:	0.103102	0.0384339	0.334663		
Repeat:1	3440.07	3368.69	5858.85		
Repeat:2	3445.09	3370.52	5886.64		
<u>Corrected CTS/S</u>					
Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	2.1844	1.31887	0.0300425	0.165976	0.0425099
Std Dev:	0.00312385	0.00495551	0.000165531	4.09085e-005	0.000145879
%RSD:	0.143008	0.375738	0.550989	0.0246473	0.343166
Repeat:1	2.18219	1.32238	0.0299255	0.165947	0.0424067
Repeat:2	2.18661	1.31537	0.0301596	0.166005	0.042613
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	2.69857	0.41103	0.844574	0.462044	0.731657
Std Dev:	0.0115394	0.00142382	0.00070971	0.00068466	0.00238176
%RSD:	0.427611	0.346403	0.0840317	0.148181	0.32553
Repeat:1	2.70673	0.410023	0.844072	0.46156	0.729973
Repeat:2	2.69041	0.412037	0.845076	0.462528	0.733341
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	3.21536	4.60472	0.854961	0.475779	11.3644
Std Dev:	0.00165438	0.00128568	0.00776195	0.00181182	0.0143624
%RSD:	0.0514523	0.0279209	0.907872	0.380811	0.126381
Repeat:1	3.21419	4.60563	0.860449	0.477061	11.3745
Repeat:2	3.21653	4.60382	0.849472	0.474498	11.3542
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.437276	2.7513	0.279699	0.0394589	2.88407
Std Dev:	0.00328213	0.00320167	0.000615748	1.54761e-005	0.0200265
%RSD:	0.750585	0.11637	0.220146	0.0392208	0.694384
Repeat:1	0.434955	2.75356	0.279264	0.0394699	2.89823
Repeat:2	0.439597	2.74903	0.280135	0.039448	2.86991
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.0372928	0.0220802	0.288777	0.0451805	58.5976
Std Dev:	2.37448e-006	5.71115e-005	0.000774204	0.000437266	0.419306
%RSD:	0.00636712	0.258655	0.268098	0.967821	0.715569
Repeat:1	0.0372911	0.0220398	0.289324	0.0448713	58.8941
Repeat:2	0.0372945	0.0221206	0.288229	0.0454897	58.3011
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	3.03058	0.411878	1.78044	1.68686	359.698
Std Dev:	0.00146933	0.00589514	0.007415	0.00682302	2.1363
%RSD:	0.0484835	1.43128	0.41647	0.404481	0.593915
Repeat:1	3.03162	0.40771	1.78568	1.68203	358.188
Repeat:2	3.02954	0.416047	1.7752	1.69168	361.209
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3442.58	3369.61	5872.74		
Std Dev:	3.54936	1.29507	19.6539		

%RSD:	0.103102	0.0384339	0.334663
Repeat:1	3440.07	3368.69	5858.85
Repeat:2	3445.09	3370.52	5886.64

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	477.558	26542.8	257.871	498.191	477.979
Std Dev:	0.681518	99.803	1.45259	0.0390765	1.62699
%RSD:	0.142709	0.376007	0.563302	0.00784368	0.340389
Repeat:1	477.076	26613.4	256.844	498.219	476.829
Repeat:2	478.039	26472.3	258.898	498.163	479.13
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass

Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	506.884	25987.3	475.539	472.919	483.487
Std Dev:	2.16443	89.9891	0.393721	0.700795	1.57164
%RSD:	0.427007	0.346281	0.0827947	0.148185	0.325064
Repeat:1	508.414	25923.7	475.261	472.424	482.376
Repeat:2	505.353	26051	475.817	473.415	484.598
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass

Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	458.897	26439.2	25665.4	25599.2	467.975
Std Dev:	0.239059	7.41455	226.765	97.4864	0.59024
%RSD:	0.0520941	0.0280438	0.883541	0.380819	0.126127
Repeat:1	458.728	26444.4	25825.8	25668.1	468.392
Repeat:2	459.066	26433.9	25505.1	25530.2	467.557
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	511.377	25777.4	471.885	505.635	1001.28
Std Dev:	3.84462	29.546	1.05256	0.188092	6.88295
%RSD:	0.751817	0.11462	0.223053	0.0371991	0.687414
Repeat:1	508.658	25798.3	471.141	505.768	1006.15
Repeat:2	514.095	25756.5	472.629	505.502	996.415
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	258.421	245.312	248.434	244.686	480.381
Std Dev:	0.0187885	0.717741	0.86848	2.39046	3.43775
%RSD:	0.0072705	0.292583	0.349582	0.976949	0.715629
Repeat:1	258.408	244.805	249.048	242.996	482.812
Repeat:2	258.434	245.82	247.82	246.376	477.951
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass

Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	500.807	236.239	501.88	496.795	359.698
Std Dev:	0.243376	3.42647	2.05252	2.03043	2.1363
%RSD:	0.0485967	1.45042	0.408965	0.408705	0.593915
Repeat:1	500.979	233.816	503.331	495.359	358.188
Repeat:2	500.635	238.662	500.429	498.231	361.209
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	None

Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD

Units:	----	----	----
Avg. of Repeats:	3442.58	3369.61	5872.74
Std Dev:	3.54936	1.29507	19.6539
%RSD:	0.103102	0.0384339	0.334663
Repeat:1	3440.07	3368.69	5858.85
Repeat:2	3445.09	3370.52	5886.64
QC Status Pass/Fail:	None	None	None

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Avg. of Repeats:	359.698	3442.58	3369.61	5872.74
Std Dev:	2.1363	3.54936	1.29507	19.6539
%RSD:	0.593915	0.103102	0.0384339	0.334663
Repeat:1	358.188	3440.07	3368.69	5858.85
Repeat:2	361.209	3445.09	3370.52	5886.64

Sample Name	Acquisition date	Sample type	Correction factor
ICB	9/25/2010 12:41:00PM	QC	1.00

Autosampler Locations (rack/row/col)

Valid	Analyst Name	Method Name
Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.004842	-0.000970283	0.00042635	0.000993928	-0.000321225
Std Dev:	0.00365996	0.00125095	0.000151179	1.3069e-005	2.99522e-005
%RSD:	75.5877	128.926	35.4588	1.31489	9.32436
Repeat:1	-0.00225402	-0.00185484	0.000319451	0.000984687	-0.000342404
Repeat:2	-0.00742999	-8.57273e-005	0.00053325	0.00100317	-0.000300045
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.00085585	-0.000105179	-0.00414167	-0.00399177	-0.000295472
Std Dev:	0.000771698	0.00128427	0.000229841	0.000105284	0.000149173
%RSD:	90.1675	1221.03	5.54948	2.63753	50.4864
Repeat:1	-0.00140152	0.000802938	-0.00397915	-0.00391732	-0.00018999
Repeat:2	-0.000310177	-0.0010133	-0.00430419	-0.00406621	-0.000400953
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0447486	-0.011143	-0.02403	0.000731135	0.00303717
Std Dev:	0.00185085	0.00168645	0.00115519	0.000837578	0.000522462
%RSD:	4.13611	15.1346	4.8073	114.559	17.2023
Repeat:1	0.0434398	-0.0099505	-0.0248468	0.00132339	0.00266773
Repeat:2	0.0460573	-0.0123355	-0.0232131	0.000138878	0.00340661
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.00241294	-0.0459654	0.0041033	-0.000400595	-0.0115544
Std Dev:	3.05203e-005	0.0060389	0.000573902	1.76535e-005	0.00152183
%RSD:	1.26486	13.1379	13.9863	4.40683	13.1709
Repeat:1	0.00243452	-0.0502356	0.00450911	-0.000413078	-0.0104783
Repeat:2	0.00239136	-0.0416953	0.00369749	-0.000388112	-0.0126305
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000547562	0.00255813	0.0665153	0.000514629	0.00788654
Std Dev:	0.000192672	0.000117175	0.00152044	9.11515e-005	0.00190145
%RSD:	35.1872	4.58049	2.28585	17.7121	24.1101
Repeat:1	0.000683801	0.00264099	0.0675904	0.000450175	0.00923107
Repeat:2	0.000411322	0.00247528	0.0654401	0.000579083	0.00654201
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0166837	-0.00111465	-0.00205054	0.00348339	380.74

Std Dev:	0.00141274	0.00163213	0.00300132	0.000172852	0.721213
%RSD:	8.46778	146.426	146.368	4.96217	0.189424
Repeat:1	-0.0176826	3.94478e-005	-0.00417279	0.00360562	380.23
Repeat:2	-0.0156847	-0.00226874	7.1718e-005	0.00336117	381.25
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3491.87	3399.89	5836.75		
Std Dev:	10.9373	5.09268	6.08112		
%RSD:	0.313222	0.14979	0.104187		
Repeat:1	3499.6	3396.29	5841.05		
Repeat:2	3484.13	3403.49	5832.45		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.004842	-0.000970283	0.00042635	0.000993928	-0.000321225
Std Dev:	0.00365996	0.00125095	0.000151179	1.3069e-005	2.99522e-005
%RSD:	75.5877	128.926	35.4588	1.31489	9.32436
Repeat:1	-0.00225402	-0.00185484	0.000319451	0.000984687	-0.000342404
Repeat:2	-0.00742999	-8.57273e-005	0.00053325	0.00100317	-0.000300045
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.00085585	-0.000105179	-0.00414167	-0.00399177	-0.000295472
Std Dev:	0.000771698	0.00128427	0.000229841	0.000105284	0.000149173
%RSD:	90.1675	1221.03	5.54948	2.63753	50.4864
Repeat:1	-0.00140152	0.000802938	-0.00397915	-0.00391732	-0.00018999
Repeat:2	-0.000310177	-0.0010133	-0.00430419	-0.00406621	-0.000400953
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0447486	-0.011143	-0.02403	0.000731135	0.00303717
Std Dev:	0.00185085	0.00168645	0.00115519	0.000837578	0.000522462
%RSD:	4.13611	15.1346	4.8073	114.559	17.2023
Repeat:1	0.0434398	-0.0099505	-0.0248468	0.00132339	0.00266773
Repeat:2	0.0460573	-0.0123355	-0.0232131	0.000138878	0.00340661
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.00241294	-0.0459654	0.0041033	-0.000400595	-0.0115544
Std Dev:	3.05203e-005	0.0060389	0.000573902	1.76535e-005	0.00152183
%RSD:	1.26486	13.1379	13.9863	4.40683	13.1709
Repeat:1	0.00243452	-0.0502356	0.00450911	-0.000413078	-0.0104783
Repeat:2	0.00239136	-0.0416953	0.00369749	-0.000388112	-0.0126305
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000547562	0.00255813	0.0665153	0.000514629	0.00788654
Std Dev:	0.000192672	0.000117175	0.00152044	9.11515e-005	0.00190145
%RSD:	35.1872	4.58049	2.28585	17.7121	24.1101
Repeat:1	0.000683801	0.00264099	0.0675904	0.000450175	0.00923107
Repeat:2	0.000411322	0.00247528	0.0654401	0.000579083	0.00654201
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0166837	-0.00111465	-0.00205054	0.00348339	380.74
Std Dev:	0.00141274	0.00163213	0.00300132	0.000172852	0.721213
%RSD:	8.46778	146.426	146.368	4.96217	0.189424
Repeat:1	-0.0176826	3.94478e-005	-0.00417279	0.00360562	380.23
Repeat:2	-0.0156847	-0.00226874	7.1718e-005	0.00336117	381.25
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3491.87	3399.89	5836.75		
Std Dev:	10.9373	5.09268	6.08112		
%RSD:	0.313222	0.14979	0.104187		
Repeat:1	3499.6	3396.29	5841.05		
Repeat:2	3484.13	3403.49	5832.45		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.0013767	11.6868	-3.58866	2.48016	-2.01967
Std Dev:	0.798354	25.1499	1.31315	0.0425834	0.336708
%RSD:	57990.5	215.199	36.5916	1.71696	16.6714
Repeat:1	0.563145	-6.09686	-4.5172	2.45005	-2.25776
Repeat:2	-0.565898	29.4705	-2.66012	2.51027	-1.78159
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.131952	2.52802	-0.146373	0.52986	0.124655
Std Dev:	0.1448	81.1692	0.133545	0.107272	0.098501
%RSD:	109.737	3210.78	91.236	20.2454	79.0187
Repeat:1	0.0295627	59.9233	-0.0519427	0.605713	0.194306
Repeat:2	0.234341	-54.8673	-0.240804	0.454007	0.0550045
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.370842	1.70057	-14.1999	20.4668	0.141796
Std Dev:	0.268452	9.66831	33.7489	45.0792	0.0223439
%RSD:	72.3898	568.532	237.67	220.256	15.7578
Repeat:1	0.181018	8.5371	-38.064	52.3426	0.125997
Repeat:2	0.560666	-5.13595	9.66416	-11.409	0.157596
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	1.92651	-36.5684	0.86916	-0.0727464	1.2022
Std Dev:	0.0357491	55.7288	0.982766	0.223441	0.520128
%RSD:	1.85564	152.396	113.071	307.15	43.2647
Repeat:1	1.95179	-75.9746	1.56408	-0.230743	1.56999
Repeat:2	1.90123	2.83783	0.174239	0.08525	0.834414
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	3.64465	3.02358	1.37629	0.505503	0.0243173
Std Dev:	1.34517	1.46941	1.70969	0.498309	0.0155894
%RSD:	36.9079	48.5984	124.225	98.5768	64.1082
Repeat:1	4.59583	4.06261	2.58522	0.153145	0.0353406
Repeat:2	2.69348	1.98455	0.167353	0.857861	0.0132939
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	0.423875	-0.952548	0.603807	0.149006	380.74
Std Dev:	0.232165	0.949163	0.840374	0.0449324	0.721213
%RSD:	54.7721	99.6446	139.179	30.1547	0.189424
Repeat:1	0.259709	-0.281389	0.00957241	0.180778	380.23
Repeat:2	0.58804	-1.62371	1.19804	0.117234	381.25
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	None
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3491.87	3399.89	5836.75		
Std Dev:	10.9373	5.09268	6.08112		

%RSD:	0.313222	0.14979	0.104187
Repeat:1	3499.6	3396.29	5841.05
Repeat:2	3484.13	3403.49	5832.45
QC Status Pass/Fail:	None	None	None

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	380.74	3491.87	3399.89	5836.75
Std Dev:	0.721213	10.9373	5.09268	6.08112
%RSD:	0.189424	0.313222	0.14979	0.104187
Repeat:1	380.23	3499.6	3396.29	5841.05
Repeat:2	381.25	3484.13	3403.49	5832.45

Sample Name	Acquisition date	Sample type	Correction factor
CRI	9/25/2010 12:44:54PM	QC	1.00

Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/1/1	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.0392922	0.0096501	0.00210939	0.000847031	0.0174229
Std Dev:	0.00182665	0.000844079	0.000494755	0.000429853	6.95326e-005
%RSD:	4.6489	8.74685	23.4549	50.7482	0.399088
Repeat:1	0.0405838	0.010247	0.00175954	0.00115098	0.017472
Repeat:2	0.0380005	0.00905325	0.00245923	0.000543079	0.0173737

Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.0248357	0.0843364	0.0047517	0.045071	0.0146065
Std Dev:	0.00119459	0.000907463	8.58555e-006	0.000164776	6.53431e-005
%RSD:	4.80997	1.076	0.180684	0.365591	0.447357
Repeat:1	0.023991	0.0849781	0.00475777	0.0449545	0.0146527
Repeat:2	0.0256804	0.0836947	0.00474563	0.0451875	0.0145603

Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.208872	0.00973819	0.164803	0.100558	0.362458
Std Dev:	0.00275643	0.000340265	0.00216349	0.000795725	0.00271463
%RSD:	1.31967	3.49413	1.31278	0.791306	0.74895
Repeat:1	0.206923	0.00949758	0.166333	0.0999958	0.364378
Repeat:2	0.210822	0.00997879	0.163273	0.101121	0.360539

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.00104015	0.543084	0.0270013	-0.000369654	0.0194723
Std Dev:	9.81697e-005	0.00139324	0.000250012	0.000178607	0.000362828
%RSD:	9.43806	0.256543	0.925923	48.3173	1.8633
Repeat:1	0.00110956	0.542098	0.0271781	-0.00024336	0.0192157
Repeat:2	0.000970731	0.544069	0.0268245	-0.000495948	0.0197289

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.00899727	0.00530446	0.0659336	0.000502158	0.0289355
Std Dev:	0.00026776	0.000123184	0.000583166	0.000117159	0.00161886
%RSD:	2.97601	2.32228	0.884475	23.331	5.59473
Repeat:1	0.00880794	0.00521736	0.0655212	0.000419314	0.0300802
Repeat:2	0.00918661	0.00539157	0.0663459	0.000585002	0.0277908

Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0139284	0.0391175	0.178765	0.207605	378.579
Std Dev:	0.00198378	0.00168659	0.00102819	0.000175983	0.790904
%RSD:	14.2426	4.31161	0.575163	0.084768	0.208914
Repeat:1	-0.0125257	0.0379249	0.179492	0.207481	378.02

Repeat:2	-0.0153312	0.0403101	0.178038	0.20773	379.138
Element/Wavelength	Y_HWAX	Y_LWAX	Y_HWRD		
Avg. of Repeats:	3507.64	3417.95	5921.7		
Std Dev:	2.33976	8.23099	55.5079		
%RSD:	0.0667048	0.240817	0.937364		
Repeat:1	3505.98	3423.77	5960.95		
Repeat:2	3509.29	3412.13	5882.45		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.0392922	0.0096501	0.00210939	0.000847031	0.0174229
Std Dev:	0.00182665	0.000844079	0.000494755	0.000429853	6.95326e-005
%RSD:	4.6489	8.74685	23.4549	50.7482	0.399088
Repeat:1	0.0405838	0.010247	0.00175954	0.00115098	0.017472
Repeat:2	0.0380005	0.00905325	0.00245923	0.000543079	0.0173737

Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.0248357	0.0843364	0.0047517	0.045071	0.0146065
Std Dev:	0.00119459	0.000907463	8.58555e-006	0.000164776	6.53431e-005
%RSD:	4.80997	1.076	0.180684	0.365591	0.447357
Repeat:1	0.023991	0.0849781	0.00475777	0.0449545	0.0146527
Repeat:2	0.0256804	0.0836947	0.00474563	0.0451875	0.0145603

Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.208872	0.00973819	0.164803	0.100558	0.362458
Std Dev:	0.00275643	0.000340265	0.00216349	0.000795725	0.00271463
%RSD:	1.31967	3.49413	1.31278	0.791306	0.74895
Repeat:1	0.206923	0.00949758	0.166333	0.0999958	0.364378
Repeat:2	0.210822	0.00997879	0.163273	0.101121	0.360539

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.00104015	0.543084	0.0270013	-0.000369654	0.0194723
Std Dev:	9.81697e-005	0.00139324	0.000250012	0.000178607	0.000362828
%RSD:	9.43806	0.256543	0.925923	48.3173	1.8633
Repeat:1	0.00110956	0.542098	0.0271781	-0.00024336	0.0192157
Repeat:2	0.000970731	0.544069	0.0268245	-0.000495948	0.0197289

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.00899727	0.00530446	0.0659336	0.000502158	0.0289355
Std Dev:	0.00026776	0.000123184	0.000583166	0.000117159	0.00161886
%RSD:	2.97601	2.32228	0.884475	23.331	5.59473
Repeat:1	0.00880794	0.00521736	0.0655212	0.000419314	0.0300802
Repeat:2	0.00918661	0.00539157	0.0663459	0.000585002	0.0277908

Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0139284	0.0391175	0.178765	0.207605	378.579
Std Dev:	0.00198378	0.00168659	0.00102819	0.000175983	0.790904
%RSD:	14.2426	4.31161	0.575163	0.084768	0.208914
Repeat:1	-0.0125257	0.0379249	0.179492	0.207481	378.02
Repeat:2	-0.0153312	0.0403101	0.178038	0.20773	379.138

Element/Wavelength	Y_HWAX	Y_LWAX	Y_HWRD
Avg. of Repeats:	3507.64	3417.95	5921.7
Std Dev:	2.33976	8.23099	55.5079
%RSD:	0.0667048	0.240817	0.937364
Repeat:1	3505.98	3423.77	5960.95
Repeat:2	3509.29	3412.13	5882.45

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb

Avg. of Repeats:	9.62329	226.107	11.1312	2.08901	196.507
Std Dev:	0.398504	16.9805	4.30081	1.34437	0.77814
%RSD:	4.14103	7.50996	38.6374	64.3545	0.395986
Repeat:1	9.90507	238.114	8.09006	3.03962	197.057
Repeat:2	9.3415	214.099	14.1723	1.1384	195.957
QC Status Pass/Fail:	Pass	Pass	Pass	None	Pass
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	4.94064	5339.45	4.79552	50.2207	9.96372
Std Dev:	0.22384	57.354	0.0193465	0.167905	0.0430776
%RSD:	4.53057	1.07416	0.40343	0.334334	0.432345
Repeat:1	4.78236	5380.01	4.8092	50.102	9.99418
Repeat:2	5.09892	5298.9	4.78184	50.3394	9.93326
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	24.1478	118.55	5502.53	5393.1	14.86
Std Dev:	0.39935	1.94403	63.2062	42.8234	0.11266
%RSD:	1.65377	1.63984	1.14867	0.794041	0.758144
Repeat:1	23.8655	117.176	5547.23	5362.82	14.9397
Repeat:2	24.4302	119.925	5457.84	5423.38	14.7804
QC Status Pass/Fail:	Pass	Fail	Pass	Pass	Pass
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.320048	5399.35	40.0898	0.315718	11.9654
Std Dev:	0.115008	12.8573	0.428239	2.2616	0.124484
%RSD:	35.9347	0.238126	1.0682	716.337	1.04037
Repeat:1	0.401372	5390.26	40.3926	1.91491	11.8774
Repeat:2	0.238725	5408.44	39.787	-1.28348	12.0534
QC Status Pass/Fail:	None	Pass	Pass	None	Pass
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	62.9449	37.432	0.617522	0.437326	0.19689
Std Dev:	1.88414	1.54494	0.656276	0.640485	0.0132725
%RSD:	2.99332	4.12732	106.276	146.455	6.74106
Repeat:1	61.6126	36.3396	0.153465	-0.0155652	0.206276
Repeat:2	64.2771	38.5245	1.08158	0.890218	0.187505
QC Status Pass/Fail:	Pass	Pass	None	None	None
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	0.875165	22.1852	51.2313	60.5385	378.579
Std Dev:	0.3259	0.979611	0.288424	0.0527966	0.790904
%RSD:	37.2387	4.41561	0.562985	0.0872116	0.208914
Repeat:1	1.10561	21.4925	51.4352	60.5011	378.02
Repeat:2	0.644719	22.8779	51.0273	60.5758	379.138
QC Status Pass/Fail:	None	Pass	Pass	Pass	None
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3507.64	3417.95	5921.7		
Std Dev:	2.33976	8.23099	55.5079		
%RSD:	0.0667048	0.240817	0.937364		
Repeat:1	3505.98	3423.77	5960.95		
Repeat:2	3509.29	3412.13	5882.45		

QC Status Pass/Fail: None None None

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	378.579	3507.64	3417.95	5921.7
Std Dev:	0.790904	2.33976	8.23099	55.5079
%RSD:	0.208914	0.0667048	0.240817	0.937364
Repeat:1	378.02	3505.98	3423.77	5960.95
Repeat:2	379.138	3509.29	3412.13	5882.45

Sample Name	Acquisition date	Sample type	Correction factor
ICSA	9/25/2010 12:48:46PM	QC	1.00

Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/2/1	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00488733	12.8463	0.00125122	0.000701622	-5.15867e-005
Std Dev:	0.00315574	0.0216249	0.000156792	0.000394223	0.000402776
%RSD:	64.5697	0.168336	12.5312	56.1873	780.775
Repeat:1	-0.00265589	12.8616	0.00114035	0.00098038	0.000233219
Repeat:2	-0.00711878	12.831	0.00136209	0.000422865	-0.000336392

Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.0018123	4.01141	-0.00205588	-0.00397787	0.00269007
Std Dev:	0.00089071	0.004395	0.000544065	0.000473229	7.64456e-007
%RSD:	49.1481	0.109562	26.4638	11.8965	0.0284177
Repeat:1	-0.00244213	4.01452	-0.00167117	-0.00364325	0.00269061
Repeat:2	-0.00118247	4.0083	-0.0024406	-0.0043125	0.00268953

Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0556462	17.7848	-0.0221091	4.78694	0.019564
Std Dev:	0.00498806	0.116586	0.00136792	0.00529685	0.0025628
%RSD:	8.96389	0.655537	6.18711	0.110652	13.0996
Repeat:1	0.0591733	17.8673	-0.0230764	4.79069	0.0213761
Repeat:2	0.0521191	17.7024	-0.0211419	4.78319	0.0177518

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000391823	-0.0413035	0.00566757	-0.000600086	-0.0532572
Std Dev:	0.000209323	0.00226028	0.000176459	7.3072e-005	0.0100782
%RSD:	53.4229	5.47237	3.11348	12.1769	18.9236
Repeat:1	0.000243809	-0.0397052	0.0055428	-0.000548416	-0.0461308
Repeat:2	0.000539837	-0.0429017	0.00579235	-0.000651756	-0.0603835

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.00109604	0.00361552	0.0701769	0.000472855	1.56699
Std Dev:	5.30033e-005	0.000126632	0.00391291	9.47815e-005	0.0098384
%RSD:	4.83588	3.50246	5.57577	20.0445	0.627853
Repeat:1	0.00105856	0.00352597	0.0674101	0.000405834	1.57395
Repeat:2	0.00113352	0.00370506	0.0729438	0.000539875	1.56003

Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	0.0121038	0.00200274	-0.00307008	0.0441681	330.612
Std Dev:	0.000623132	0.0069015	0.000564285	0.000158407	0.77405
%RSD:	5.14824	344.603	18.3801	0.358645	0.234126
Repeat:1	0.0116632	0.00688283	-0.00267107	0.0440561	331.16
Repeat:2	0.0125444	-0.00287736	-0.00346909	0.0442801	330.065

Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	3301.94	3232.49	5784.58

Std Dev:	19.2716	9.59256	5.82548
%RSD:	0.583644	0.296755	0.100707
Repeat:1	3288.31	3239.27	5780.46
Repeat:2	3315.57	3225.7	5788.7

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00488733	12.8463	0.00125122	0.000701622	-5.15867e-005
Std Dev:	0.00315574	0.0216249	0.000156792	0.000394223	0.000402776
%RSD:	64.5697	0.168336	12.5312	56.1873	780.775
Repeat:1	-0.00265589	12.8616	0.00114035	0.00098038	0.000233219
Repeat:2	-0.00711878	12.831	0.00136209	0.000422865	-0.000336392

Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.0018123	4.01141	-0.00205588	-0.00397787	0.00269007
Std Dev:	0.00089071	0.004395	0.000544065	0.000473229	7.64456e-007
%RSD:	49.1481	0.109562	26.4638	11.8965	0.0284177
Repeat:1	-0.00244213	4.01452	-0.00167117	-0.00364325	0.00269061
Repeat:2	-0.00118247	4.0083	-0.0024406	-0.0043125	0.00268953

Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0556462	17.7848	-0.0221091	4.78694	0.019564
Std Dev:	0.00498806	0.116586	0.00136792	0.00529685	0.0025628
%RSD:	8.96389	0.655537	6.18711	0.110652	13.0996
Repeat:1	0.0591733	17.8673	-0.0230764	4.79069	0.0213761
Repeat:2	0.0521191	17.7024	-0.0211419	4.78319	0.0177518

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000391823	-0.0413035	0.00566757	-0.000600086	-0.0532572
Std Dev:	0.000209323	0.00226028	0.000176459	7.3072e-005	0.0100782
%RSD:	53.4229	5.47237	3.11348	12.1769	18.9236
Repeat:1	0.000243809	-0.0397052	0.0055428	-0.000548416	-0.0461308
Repeat:2	0.000539837	-0.0429017	0.00579235	-0.000651756	-0.0603835

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.00109604	0.00361552	0.0701769	0.000472855	1.56699
Std Dev:	5.30033e-005	0.000126632	0.00391291	9.47815e-005	0.0098384
%RSD:	4.83588	3.50246	5.57577	20.0445	0.627853
Repeat:1	0.00105856	0.00352597	0.0674101	0.000405834	1.57395
Repeat:2	0.00113352	0.00370506	0.0729438	0.000539875	1.56003

Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	0.0121038	0.00200274	-0.00307008	0.0441681	330.612
Std Dev:	0.000623132	0.0069015	0.000564285	0.000158407	0.77405
%RSD:	5.14824	344.603	18.3801	0.358645	0.234126
Repeat:1	0.0116632	0.00688283	-0.00267107	0.0440561	331.16
Repeat:2	0.0125444	-0.00287736	-0.00346909	0.0442801	330.065

Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	3301.94	3232.49	5784.58
Std Dev:	19.2716	9.59256	5.82548
%RSD:	0.583644	0.296755	0.100707
Repeat:1	3288.31	3239.27	5780.46
Repeat:2	3315.57	3225.7	5788.7

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.00966191	258447	1.56146	1.6657	0.989752
Std Dev:	0.68836	435.011	1.36636	1.24821	4.50428
%RSD:	7124.47	0.168317	87.5052	74.9362	455.092

Repeat:1	0.477082	258754	0.5953	2.54832	4.17476
Repeat:2	-0.496406	258139	2.52763	0.783081	-2.19525
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.0422921	253541	1.00761	0.52976	2.09462
Std Dev:	0.167216	277.775	0.31013	0.478339	0.000237519
%RSD:	395.383	0.109558	30.7787	90.2936	0.0113395
Repeat:1	-0.160532	253737	1.22691	0.867996	2.09479
Repeat:2	0.0759475	253344	0.788317	0.191523	2.09446
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.94672	102043	41.9172	257634	-3.80039
Std Dev:	0.703798	668.473	39.9636	285.229	0.100514
%RSD:	74.3406	0.655091	95.3392	0.110711	2.64484
Repeat:1	-0.44906	102515	13.6587	257836	-3.72932
Repeat:2	-1.44438	101570	70.1758	257432	-3.87147
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.441464	6.45351	0.667786	-2.60336	4.40148
Std Dev:	0.24519	20.8585	0.320993	0.924673	3.48816
%RSD:	55.5402	323.212	48.0682	35.5184	79.2496
Repeat:1	-0.614839	21.2027	0.44081	-1.94952	6.86798
Repeat:2	-0.268088	-8.2957	0.894763	-3.25721	1.93498
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	3.09771	4.44861	5.48497	0.277131	12.8069
Std Dev:	0.404841	1.62603	4.39486	0.518154	0.0806617
%RSD:	13.069	36.5514	80.1255	186.971	0.629831
Repeat:1	2.81145	3.29884	2.37734	-0.0892596	12.8639
Repeat:2	3.38398	5.59839	8.5926	0.643521	12.7498
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	5.15456	0.865707	-2.16235	-3.74366	330.612
Std Dev:	0.102285	4.01533	0.140488	0.0980656	0.77405
%RSD:	1.98436	463.821	6.49702	2.61951	0.234126
Repeat:1	5.08223	3.70498	-2.06301	-3.813	331.16
Repeat:2	5.22688	-1.97356	-2.26169	-3.67432	330.065
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	None
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3301.94	3232.49	5784.58		
Std Dev:	19.2716	9.59256	5.82548		
%RSD:	0.583644	0.296755	0.100707		
Repeat:1	3288.31	3239.27	5780.46		
Repeat:2	3315.57	3225.7	5788.7		
QC Status Pass/Fail:	None	None	None		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD	
		Page 561 of 822			10/06/2010

Avg. of Repeats:	330.612	3301.94	3232.49	5784.58
Std Dev:	0.77405	19.2716	9.59256	5.82548
%RSD:	0.234126	0.583644	0.296755	0.100707
Repeat:1	331.16	3288.31	3239.27	5780.46
Repeat:2	330.065	3315.57	3225.7	5788.7

Sample Name	Acquisition date	Sample type	Correction factor
ICSAB	9/25/2010 12:52:35PM	QC	1.00

Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/3/1	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.861411	12.7549	0.0128314	0.487146	0.0437572
Std Dev:	0.00185517	0.00670498	0.000269498	0.00169282	9.66529e-005
%RSD:	0.215363	0.0525677	2.1003	0.347498	0.220885
Repeat:1	0.8601	12.7502	0.0126409	0.485949	0.0436889
Repeat:2	0.862723	12.7597	0.013022	0.488343	0.0438256
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	2.71765	3.98995	1.74025	0.457051	0.73728
Std Dev:	0.00462396	0.0122	0.000920938	0.000840203	0.00117638
%RSD:	0.170146	0.305769	0.05292	0.183831	0.159556
Repeat:1	2.71438	3.98133	1.7396	0.456457	0.736448
Repeat:2	2.72092	3.99858	1.7409	0.457645	0.738112
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	3.35016	17.7631	-0.023013	4.76635	11.544
Std Dev:	0.00259688	0.057464	0.000318573	0.00775398	0.0243725
%RSD:	0.0775151	0.323502	1.38432	0.162682	0.211126
Repeat:1	3.34832	17.7225	-0.0227878	4.76087	11.5268
Repeat:2	3.35199	17.8038	-0.0232383	4.77183	11.5613
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.86789	-0.0416953	0.542142	0.0393625	0.0801449
Std Dev:	0.00518274	0.00240338	0.00194218	3.8678e-005	0.00112415
%RSD:	0.597166	5.76415	0.358242	0.098261	1.40265
Repeat:1	0.864225	-0.0433947	0.540769	0.0393351	0.07935
Repeat:2	0.871554	-0.0399959	0.543515	0.0393898	0.0809398
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.08754	0.00718726	0.947849	0.268575	30.2772
Std Dev:	0.000115674	0.000193047	0.00403576	5.72902e-005	0.0140256
%RSD:	0.132139	2.68596	0.425781	0.0213311	0.0463238
Repeat:1	0.0876217	0.00732376	0.950703	0.268616	30.2872
Repeat:2	0.0874582	0.00705075	0.944996	0.268535	30.2673
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	3.08581	0.180066	1.80455	3.36896	331.282
Std Dev:	0.00988801	0.000931925	0.00978566	0.00681838	0.771675
%RSD:	0.320435	0.517548	0.542276	0.202388	0.232936
Repeat:1	3.07881	0.180725	1.79763	3.36414	330.736
Repeat:2	3.0928	0.179407	1.81147	3.37378	331.827
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3297.91	3238.5	5836.41		
Std Dev:	14.5459	5.02019	8.23089		
%RSD:	0.441066	0.155016	0.141026		
Repeat:1	3308.19	3234.95	5842.23		

Repeat:2	3287.62	3242.05	5830.59

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.861411	12.7549	0.0128314	0.487146	0.0437572
Std Dev:	0.00185517	0.00670498	0.000269498	0.00169282	9.66529e-005
%RSD:	0.215363	0.0525677	2.1003	0.347498	0.220885
Repeat:1	0.8601	12.7502	0.0126409	0.485949	0.0436889
Repeat:2	0.862723	12.7597	0.013022	0.488343	0.0438256
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	2.71765	3.98995	1.74025	0.457051	0.73728
Std Dev:	0.00462396	0.0122	0.000920938	0.000840203	0.00117638
%RSD:	0.170146	0.305769	0.05292	0.183831	0.159556
Repeat:1	2.71438	3.98133	1.7396	0.456457	0.736448
Repeat:2	2.72092	3.99858	1.7409	0.457645	0.738112
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	3.35016	17.7631	-0.023013	4.76635	11.544
Std Dev:	0.00259688	0.057464	0.000318573	0.00775398	0.0243725
%RSD:	0.0775151	0.323502	1.38432	0.162682	0.211126
Repeat:1	3.34832	17.7225	-0.0227878	4.76087	11.5268
Repeat:2	3.35199	17.8038	-0.0232383	4.77183	11.5613
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.86789	-0.0416953	0.542142	0.0393625	0.0801449
Std Dev:	0.00518274	0.00240338	0.00194218	3.8678e-005	0.00112415
%RSD:	0.597166	5.76415	0.358242	0.098261	1.40265
Repeat:1	0.864225	-0.0433947	0.540769	0.0393351	0.07935
Repeat:2	0.871554	-0.0399959	0.543515	0.0393898	0.0809398
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.08754	0.00718726	0.947849	0.268575	30.2772
Std Dev:	0.000115674	0.000193047	0.00403576	5.72902e-005	0.0140256
%RSD:	0.132139	2.68596	0.425781	0.0213311	0.0463238
Repeat:1	0.0876217	0.00732376	0.950703	0.268616	30.2872
Repeat:2	0.0874582	0.00705075	0.944996	0.268535	30.2673
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	3.08581	0.180066	1.80455	3.36896	331.282
Std Dev:	0.00988801	0.000931925	0.00978566	0.00681838	0.771675
%RSD:	0.320435	0.517548	0.542276	0.202388	0.232936
Repeat:1	3.07881	0.180725	1.79763	3.36414	330.736
Repeat:2	3.0928	0.179407	1.81147	3.37378	331.827
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3297.91	3238.5	5836.41		
Std Dev:	14.5459	5.02019	8.23089		
%RSD:	0.441066	0.155016	0.141026		
Repeat:1	3308.19	3234.95	5842.23		
Repeat:2	3287.62	3242.05	5830.59		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	188.959	256571	106.267	1484.42	491.945
Std Dev:	0.404772	134.746	2.34641	5.04956	1.08659
%RSD:	0.214212	0.0525181	2.20802	0.34017	0.220876
Repeat:1	188.673	256476	104.608	1480.85	491.176
Repeat:2	189.245	256666	107.927	1488	492.713
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass

Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	510.47	252184	979.013	468.623	487.349
Std Dev:	0.868354	771.072	0.509087	0.858577	0.778154
%RSD:	0.170109	0.305757	0.052	0.183213	0.159671
Repeat:1	509.856	251639	978.653	468.016	486.798
Repeat:2	511.084	252730	979.373	469.23	487.899
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	476.175	101887	15.5105	256535	471.236
Std Dev:	0.36556	329.411	9.30709	417.44	0.997096
%RSD:	0.0767702	0.323311	60.005	0.162722	0.211592
Repeat:1	475.916	101654	22.0916	256240	470.531
Repeat:2	476.433	102120	8.92942	256830	471.941
QC Status Pass/Fail:	Pass	Pass	None	Pass	Pass
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	1015.8	2.83781	918.989	505.444	54.3657
Std Dev:	6.07117	22.1791	3.31376	0.502108	0.406698
%RSD:	0.597675	781.557	0.360587	0.09934	0.748079
Repeat:1	1011.5	-12.8452	916.646	505.089	54.0781
Repeat:2	1020.09	18.5208	921.332	505.799	54.6533
QC Status Pass/Fail:	Pass	None	Pass	Pass	Pass
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	618.413	48.3673	988.388	1465.94	248.193
Std Dev:	0.818899	2.44078	4.5452	0.313195	0.114991
%RSD:	0.13242	5.04634	0.459859	0.0213647	0.0463313
Repeat:1	618.992	50.0932	991.602	1466.17	248.274
Repeat:2	617.833	46.6414	985.174	1465.72	248.111
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	509.669	101.641	509.927	982.029	331.282
Std Dev:	1.622	0.549728	2.76879	1.98277	0.771675
%RSD:	0.318246	0.54085	0.542978	0.201905	0.232936
Repeat:1	508.522	102.03	507.969	980.627	330.736
Repeat:2	510.816	101.253	511.885	983.431	331.827
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	None
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3297.91	3238.5	5836.41		
Std Dev:	14.5459	5.02019	8.23089		
%RSD:	0.441066	0.155016	0.141026		
Repeat:1	3308.19	3234.95	5842.23		
Repeat:2	3287.62	3242.05	5830.59		
QC Status Pass/Fail:	None	None	None		
<u>Internal Standards</u>					
Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD	
Avg. of Repeats:	331.282	3297.91	3238.5	5836.41	
Std Dev:	0.771675	14.5459	5.02019	8.23089	
%RSD:	0.232936	0.441066	0.155016	0.141026	

Repeat:1	330.736	3308.19	3234.95	5842.23
Repeat:2	331.827	3287.62	3242.05	5830.59

Sample Name	Acquisition date	Sample type	Correction factor
CCV	9/25/2010 12:56:23PM	QC	1.00

Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/4/1	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.441046	1.51586	0.0125285	0.229454	0.0175734
Std Dev:	0.000220862	0.0055819	0.000118955	0.00134694	0.00040873
%RSD:	0.0500769	0.368232	0.949474	0.587018	2.32584
Repeat:1	0.441202	1.51981	0.0126126	0.228502	0.0172844
Repeat:2	0.440889	1.51192	0.0124444	0.230406	0.0178624
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.538349	0.474859	0.174271	0.187494	0.298742
Std Dev:	0.00218357	0.000357607	7.23328e-005	0.000646625	0.0010448
%RSD:	0.405605	0.075308	0.0415058	0.344879	0.349733
Repeat:1	0.539893	0.474606	0.174323	0.187036	0.298003
Repeat:2	0.536805	0.475112	0.17422	0.187951	0.299481
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	1.35001	5.33683	1.01668	0.56902	4.67188
Std Dev:	0.000788572	0.0118338	0.00109819	0.000722792	0.00373502
%RSD:	0.0584123	0.221738	0.108017	0.127024	0.0799468
Repeat:1	1.34945	5.34519	1.01746	0.569531	4.67452
Repeat:2	1.35057	5.32846	1.01591	0.568509	4.66924
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.17513	3.24567	0.116628	0.0159093	1.17338
Std Dev:	0.000934073	0.00312413	0.000349574	2.95144e-005	0.016097
%RSD:	0.533359	0.0962551	0.299734	0.185517	1.37186
Repeat:1	0.17447	3.24788	0.116381	0.0158884	1.18476
Repeat:2	0.175791	3.24346	0.116876	0.0159301	1.16199
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.0441075	0.0105228	0.963566	0.0367688	36.0251
Std Dev:	2.56477e-005	0.000335779	0.00157162	0.000324642	0.0205173
%RSD:	0.0581483	3.19097	0.163105	0.882929	0.0569527
Repeat:1	0.0441256	0.0102853	0.964678	0.0369984	36.0396
Repeat:2	0.0440894	0.0107602	0.962455	0.0365392	36.0106
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	2.43419	0.176369	0.718502	0.689291	356.046
Std Dev:	0.00955087	0.00227251	0.0020461	0.00125084	1.60246
%RSD:	0.392364	1.2885	0.284774	0.181467	0.450071
Repeat:1	2.44094	0.174762	0.717055	0.688407	354.913
Repeat:2	2.42743	0.177975	0.719949	0.690176	357.179
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3452.42	3361.33	5895.65		
Std Dev:	12.1813	3.60795	0.217984		
%RSD:	0.352833	0.107337	0.00369738		
Repeat:1	3443.8	3358.78	5895.8		
Repeat:2	3461.03	3363.88	5895.49		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
		Page 565 of 822			10/06/2010

Avg. of Repeats:	0.441046	1.51586	0.0125285	0.229454	0.0175734
Std Dev:	0.000220862	0.0055819	0.000118955	0.00134694	0.00040873
%RSD:	0.0500769	0.368232	0.949474	0.587018	2.32584
Repeat:1	0.441202	1.51981	0.0126126	0.228502	0.0172844
Repeat:2	0.440889	1.51192	0.0124444	0.230406	0.0178624
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.538349	0.474859	0.174271	0.187494	0.298742
Std Dev:	0.00218357	0.000357607	7.23328e-005	0.000646625	0.0010448
%RSD:	0.405605	0.075308	0.0415058	0.344879	0.349733
Repeat:1	0.539893	0.474606	0.174323	0.187036	0.298003
Repeat:2	0.536805	0.475112	0.17422	0.187951	0.299481
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	1.35001	5.33683	1.01668	0.56902	4.67188
Std Dev:	0.000788572	0.0118338	0.00109819	0.000722792	0.00373502
%RSD:	0.0584123	0.221738	0.108017	0.127024	0.0799468
Repeat:1	1.34945	5.34519	1.01746	0.569531	4.67452
Repeat:2	1.35057	5.32846	1.01591	0.568509	4.66924
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.17513	3.24567	0.116628	0.0159093	1.17338
Std Dev:	0.000934073	0.00312413	0.000349574	2.95144e-005	0.016097
%RSD:	0.533359	0.0962551	0.299734	0.185517	1.37186
Repeat:1	0.17447	3.24788	0.116381	0.0158884	1.18476
Repeat:2	0.175791	3.24346	0.116876	0.0159301	1.16199
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.0441075	0.0105228	0.963566	0.0367688	36.0251
Std Dev:	2.56477e-005	0.000335779	0.00157162	0.000324642	0.0205173
%RSD:	0.0581483	3.19097	0.163105	0.882929	0.0569527
Repeat:1	0.0441256	0.0102853	0.964678	0.0369984	36.0396
Repeat:2	0.0440894	0.0107602	0.962455	0.0365392	36.0106
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	2.43419	0.176369	0.718502	0.689291	356.046
Std Dev:	0.00955087	0.00227251	0.0020461	0.00125084	1.60246
%RSD:	0.392364	1.2885	0.284774	0.181467	0.450071
Repeat:1	2.44094	0.174762	0.717055	0.688407	354.913
Repeat:2	2.42743	0.177975	0.719949	0.690176	357.179
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3452.42	3361.33	5895.65		
Std Dev:	12.1813	3.60795	0.217984		
%RSD:	0.352833	0.107337	0.00369738		
Repeat:1	3443.8	3358.78	5895.8		
Repeat:2	3461.03	3363.88	5895.49		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	97.2973	30517.2	103.099	710.84	198.506
Std Dev:	0.0484219	112.309	1.02736	4.18059	4.57178
%RSD:	0.049767	0.368018	0.996483	0.58812	2.30309
Repeat:1	97.3315	30596.7	103.825	707.884	195.274
Repeat:2	97.263	30437.8	102.372	713.796	201.739
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	101.624	30021.5	99.6706	194.231	197.551

Std Dev:	0.411254	22.6017	0.0371727	0.65919	0.689573
%RSD:	0.404682	0.075285	0.0372955	0.339385	0.349062
Repeat:1	101.915	30005.5	99.6969	193.764	197.063
Repeat:2	101.333	30037.5	99.6443	194.697	198.038
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	188.575	30654.5	30390.2	30615.7	192.033
Std Dev:	0.115941	67.8965	32.0835	38.9153	0.153252
%RSD:	0.0614825	0.221489	0.105572	0.127109	0.0798048
Repeat:1	188.493	30702.5	30412.9	30643.2	192.142
Repeat:2	188.657	30606.5	30367.5	30588.2	191.925
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	204.269	30339.7	192.626	206.842	411.686
Std Dev:	1.09416	28.8304	0.600037	0.375921	5.53931
%RSD:	0.535645	0.0950254	0.311503	0.181743	1.34552
Repeat:1	203.495	30360	192.202	206.576	415.602
Repeat:2	205.042	30319.3	193.051	207.108	407.769
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	308.032	100.521	1007.5	198.701	295.318
Std Dev:	0.195948	4.21513	1.76449	1.77476	0.168214
%RSD:	0.063613	4.1933	0.175134	0.893184	0.0569605
Repeat:1	308.171	97.54	1008.75	199.956	295.436
Repeat:2	307.893	103.501	1006.26	197.446	295.199
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	403.003	101.15	202.552	200.682	356.046
Std Dev:	1.56992	1.31619	0.582892	0.374553	1.60246
%RSD:	0.389556	1.30122	0.287774	0.18664	0.450071
Repeat:1	404.113	100.22	202.14	200.417	354.913
Repeat:2	401.893	102.081	202.965	200.947	357.179
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	None
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3452.42	3361.33	5895.65		
Std Dev:	12.1813	3.60795	0.217984		
%RSD:	0.352833	0.107337	0.00369738		
Repeat:1	3443.8	3358.78	5895.8		
Repeat:2	3461.03	3363.88	5895.49		
QC Status Pass/Fail:	None	None	None		
Internal Standards					
Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD	
Avg. of Repeats:	356.046	3452.42	3361.33	5895.65	
Std Dev:	1.60246	12.1813	3.60795	0.217984	
%RSD:	0.450071	0.352833	0.107337	0.00369738	
Repeat:1	354.913	3443.8	3358.78	5895.8	
Repeat:2	357.179	3461.03	3363.88	5895.49	

Sample Name	Acquisition date	Sample type	Correction factor
CCB	9/25/2010 1:00:12PM	QC	1.00

Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/5/1	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00352992	0.0018692	0.000698521	0.00104841	0.000167097
Std Dev:	0.00183655	0.000627025	0.000471592	0.000215609	0.000127296
%RSD:	52.028	33.5451	67.5129	20.5653	76.1805
Repeat:1	-0.00223129	0.00142583	0.00103199	0.00120087	0.000257109
Repeat:2	-0.00482856	0.00231257	0.000365055	0.000895954	7.70858e-005
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.000376378	0.00233125	-0.00379607	-0.00460885	-0.000393454
Std Dev:	0.000828493	7.29082e-005	0.000350026	0.000301897	3.55392e-006
%RSD:	220.123	3.12742	9.22077	6.55038	0.903261
Repeat:1	-0.000962211	0.0022797	-0.00354856	-0.00482233	-0.000390941
Repeat:2	0.000209455	0.00238281	-0.00404357	-0.00439538	-0.000395967
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0465156	-0.00429886	-0.0262471	0.00154749	0.00512246
Std Dev:	0.00619522	0.00312692	0.00489107	0.000754315	0.000811947
%RSD:	13.3186	72.7384	18.6347	48.7445	15.8507
Repeat:1	0.0508963	-0.0020878	-0.0297056	0.00208087	0.0056966
Repeat:2	0.0421349	-0.00650993	-0.0227886	0.00101411	0.00454833
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.00167734	-0.0410778	0.0046405	-0.000300236	-0.0158724
Std Dev:	0.000494664	0.00848815	0.000252974	2.24105e-005	0.00569448
%RSD:	29.491	20.6636	5.45144	7.46429	35.8766
Repeat:1	0.00202712	-0.0350758	0.00481938	-0.000316083	-0.0118458
Repeat:2	0.00132756	-0.0470799	0.00446162	-0.000284389	-0.019899
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	4.19456e-005	0.00260967	0.0650205	0.000675989	0.0269153
Std Dev:	7.07872e-005	3.93029e-005	0.00067093	5.48878e-005	0.00202177
%RSD:	168.759	1.50605	1.03188	8.11962	7.51159
Repeat:1	-8.10846e-006	0.00263746	0.0645461	0.000637178	0.028345
Repeat:2	9.19997e-005	0.00258188	0.0654949	0.000714801	0.0254857
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0180119	-0.00247206	-0.00155889	0.00372965	379.189
Std Dev:	0.00180118	0.000223636	0.00158568	6.355e-005	1.55276
%RSD:	9.99998	9.04653	101.718	1.70391	0.409495
Repeat:1	-0.0167382	-0.00263019	-0.000437648	0.00377459	378.091
Repeat:2	-0.0192855	-0.00231393	-0.00268014	0.00368471	380.287
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3478.44	3393.12	5835.88		
Std Dev:	6.15695	4.89811	2.51023		
%RSD:	0.177003	0.144354	0.0430138		
Repeat:1	3482.8	3389.65	5834.1		
Repeat:2	3474.09	3396.58	5837.65		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00352992	0.0018692	0.000698521	0.00104841	0.000167097
Std Dev:	0.00183655	0.000627025	0.000471592	0.000215609	0.000127296
%RSD:	52.028	33.5451	67.5129	20.5653	76.1805

Repeat:1	-0.00223129	0.00142583	0.00103199	0.00120087	0.000257109
Repeat:2	-0.00482856	0.00231257	0.000365055	0.000895954	7.70858e-005
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.000376378	0.00233125	-0.00379607	-0.00460885	-0.000393454
Std Dev:	0.000828493	7.29082e-005	0.000350026	0.000301897	3.55392e-006
%RSD:	220.123	3.12742	9.22077	6.55038	0.903261
Repeat:1	-0.000962211	0.0022797	-0.00354856	-0.00482233	-0.000390941
Repeat:2	0.000209455	0.00238281	-0.00404357	-0.00439538	-0.000395967
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0465156	-0.00429886	-0.0262471	0.00154749	0.00512246
Std Dev:	0.00619522	0.00312692	0.00489107	0.000754315	0.000811947
%RSD:	13.3186	72.7384	18.6347	48.7445	15.8507
Repeat:1	0.0508963	-0.0020878	-0.0297056	0.00208087	0.0056966
Repeat:2	0.0421349	-0.00650993	-0.0227886	0.00101411	0.00454833
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.00167734	-0.0410778	0.0046405	-0.000300236	-0.0158724
Std Dev:	0.000494664	0.00848815	0.000252974	2.24105e-005	0.00569448
%RSD:	29.491	20.6636	5.45144	7.46429	35.8766
Repeat:1	0.00202712	-0.0350758	0.00481938	-0.000316083	-0.0118458
Repeat:2	0.00132756	-0.0470799	0.00446162	-0.000284389	-0.019899
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	4.19456e-005	0.00260967	0.0650205	0.000675989	0.0269153
Std Dev:	7.07872e-005	3.93029e-005	0.00067093	5.48878e-005	0.00202177
%RSD:	168.759	1.50605	1.03188	8.11962	7.51159
Repeat:1	-8.10846e-006	0.00263746	0.0645461	0.000637178	0.028345
Repeat:2	9.19997e-005	0.00258188	0.0654949	0.000714801	0.0254857
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0180119	-0.00247206	-0.00155889	0.00372965	379.189
Std Dev:	0.00180118	0.000223636	0.00158568	6.355e-005	1.55276
%RSD:	9.99998	9.04653	101.718	1.70391	0.409495
Repeat:1	-0.0167382	-0.00263019	-0.000437648	0.00377459	378.091
Repeat:2	-0.0192855	-0.00231393	-0.00268014	0.00368471	380.287
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3478.44	3393.12	5835.88		
Std Dev:	6.15695	4.89811	2.51023		
%RSD:	0.177003	0.144354	0.0430138		
Repeat:1	3482.8	3389.65	5834.1		
Repeat:2	3474.09	3396.58	5837.65		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.284788	68.8527	-1.22332	2.68874	3.44121
Std Dev:	0.400672	12.6333	4.09954	0.651589	1.4244
%RSD:	140.692	18.3483	335.117	24.234	41.3924
Repeat:1	0.568106	59.9196	1.6755	3.14948	4.44841
Repeat:2	0.00146949	77.7858	-4.12213	2.22799	2.434
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.221656	156.517	0.039698	-0.0991029	0.0599784
Std Dev:	0.155228	4.60798	0.182676	0.306365	0.00243152
%RSD:	70.0314	2.94408	460.165	309.138	4.054
Repeat:1	0.111892	153.258	0.16887	-0.315736	0.0616978

Repeat:2	0.331419	159.775	-0.0894736	0.11753	0.0582591
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.625947	40.9806	-78.9716	64.4045	0.226959
Std Dev:	0.89699	17.9413	142.892	40.6061	0.0327381
%RSD:	143.301	43.78	180.941	63.0486	14.4246
Repeat:1	1.26021	53.667	-180.012	93.1174	0.250109
Repeat:2	-0.00832105	28.2942	22.0685	35.6916	0.20381
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	1.06483	8.536	1.78877	1.19615	-0.27979
Std Dev:	0.579453	78.3312	0.432462	0.282558	1.96124
%RSD:	54.4173	917.657	24.1765	23.6224	700.969
Repeat:1	1.47457	63.9245	2.09457	0.99635	1.10701
Repeat:2	0.655096	-46.8525	1.48297	1.39595	-1.66659
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.099593	3.66686	-0.301938	1.38763	0.180328
Std Dev:	0.497743	0.492111	0.755309	0.300062	0.0165758
%RSD:	499.777	13.4205	250.154	21.624	9.19204
Repeat:1	-0.252364	4.01483	-0.836022	1.17546	0.192049
Repeat:2	0.45155	3.31888	0.232146	1.59981	0.168607
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	0.206015	-1.7402	0.73542	0.213407	379.189
Std Dev:	0.295711	0.130255	0.446981	0.014943	1.55276
%RSD:	143.539	7.48506	60.779	7.00209	0.409495
Repeat:1	0.415114	-1.8323	1.05148	0.223973	378.091
Repeat:2	-0.00308445	-1.6481	0.419357	0.202841	380.287
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	None
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3478.44	3393.12	5835.88		
Std Dev:	6.15695	4.89811	2.51023		
%RSD:	0.177003	0.144354	0.0430138		
Repeat:1	3482.8	3389.65	5834.1		
Repeat:2	3474.09	3396.58	5837.65		
QC Status Pass/Fail:	None	None	None		
Internal Standards					
Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD	
Avg. of Repeats:	379.189	3478.44	3393.12	5835.88	
Std Dev:	1.55276	6.15695	4.89811	2.51023	
%RSD:	0.409495	0.177003	0.144354	0.0430138	
Repeat:1	378.091	3482.8	3389.65	5834.1	
Repeat:2	380.287	3474.09	3396.58	5837.65	

Sample Name	Acquisition date	Sample type	Correction factor
mb 200-6872/1-a	9/25/2010 1:04:06PM	Unknown	1.00

Autosampler Locations
(rack/row/col)

Valid

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Method Name

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RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00430616	0.000293313	0.000842471	0.000984795	-0.000322055
Std Dev:	0.00186756	0.00184118	0.000402984	0.000226498	1.18116e-006
%RSD:	43.3695	627.717	47.8336	22.9996	0.366758
Repeat:1	-0.00298559	0.00159522	0.000557518	0.00114495	-0.00032289
Repeat:2	-0.00562672	-0.0010086	0.00112742	0.000824636	-0.00032122
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.00141381	0.000210863	-0.0040497	-0.00392965	-0.000283413
Std Dev:	0.000846354	0.00055296	0.000549414	0.000297027	0.000347838
%RSD:	59.8634	262.237	13.5668	7.5586	122.732
Repeat:1	-0.00201227	-0.000180139	-0.0044382	-0.00413968	-0.000529371
Repeat:2	-0.000815345	0.000601865	-0.00366121	-0.00371962	-3.74548e-005
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0574116	-0.00951701	-0.0237142	0.000717317	0.0014048
Std Dev:	0.000204209	0.000822376	0.00186494	0.00120911	0.000821467
%RSD:	0.355693	8.64112	7.86422	168.56	58.4756
Repeat:1	0.057556	-0.0089355	-0.0250329	-0.000137653	0.00198567
Repeat:2	0.0572672	-0.0100985	-0.0223955	0.00157229	0.000823938
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000777025	-0.0393568	0.00403446	-0.000283967	-0.00472584
Std Dev:	7.60351e-005	0.000172596	0.000337507	0.000108316	0.00300645
%RSD:	9.78541	0.438542	8.36559	38.1438	63.6172
Repeat:1	0.00083079	-0.0394788	0.00379581	-0.000360558	-0.00259996
Repeat:2	0.00072326	-0.0392347	0.00427311	-0.000207376	-0.00685172
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000714141	0.0021375	0.0777199	0.000593869	0.0080074
Std Dev:	0.00055971	0.000393739	0.000219189	9.46938e-005	0.00291833
%RSD:	78.3753	18.4206	0.282024	15.9452	36.4455
Repeat:1	0.00110992	0.00241591	0.0778749	0.000660828	0.010071
Repeat:2	0.000318366	0.00185908	0.0775649	0.00052691	0.00594382
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0130376	-0.00427024	-0.00140849	0.00474266	382.269
Std Dev:	0.0011289	0.00629876	0.0023106	0.000264588	1.59865
%RSD:	8.65876	147.504	164.048	5.57889	0.418199
Repeat:1	-0.0138358	-0.00872414	-0.00304233	0.00455557	383.4
Repeat:2	-0.0122394	0.00018366	0.000225351	0.00492975	381.139
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3534.12	3420.24	5899.65		
Std Dev:	19.9887	4.93266	21.6375		
%RSD:	0.565594	0.14422	0.366758		
Repeat:1	3519.98	3416.76	5884.35		
Repeat:2	3548.25	3423.73	5914.95		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00430616	0.000293313	0.000842471	0.000984795	-0.000322055
Std Dev:	0.00186756	0.00184118	0.000402984	0.000226498	1.18116e-006
%RSD:	43.3695	627.717	47.8336	22.9996	0.366758
Repeat:1	-0.00298559	0.00159522	0.000557518	0.00114495	-0.00032289
Repeat:2	-0.00562672	-0.0010086	0.00112742	0.000824636	-0.00032122
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.00141381	0.000210863	-0.0040497	-0.00392965	-0.000283413

Std Dev:	0.000846354	0.00055296	0.000549414	0.000297027	0.000347838
%RSD:	59.8634	262.237	13.5668	7.5586	122.732
Repeat:1	-0.00201227	-0.000180139	-0.0044382	-0.00413968	-0.000529371
Repeat:2	-0.000815345	0.000601865	-0.00366121	-0.00371962	-3.74548e-005
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0574116	-0.00951701	-0.0237142	0.000717317	0.0014048
Std Dev:	0.000204209	0.000822376	0.00186494	0.00120911	0.000821467
%RSD:	0.355693	8.64112	7.86422	168.56	58.4756
Repeat:1	0.057556	-0.0089355	-0.0250329	-0.000137653	0.00198567
Repeat:2	0.0572672	-0.0100985	-0.0223955	0.00157229	0.000823938
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000777025	-0.0393568	0.00403446	-0.000283967	-0.00472584
Std Dev:	7.60351e-005	0.000172596	0.000337507	0.000108316	0.00300645
%RSD:	9.78541	0.438542	8.36559	38.1438	63.6172
Repeat:1	0.00083079	-0.0394788	0.00379581	-0.000360558	-0.00259996
Repeat:2	0.00072326	-0.0392347	0.00427311	-0.000207376	-0.00685172
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000714141	0.0021375	0.0777199	0.000593869	0.0080074
Std Dev:	0.00055971	0.000393739	0.000219189	9.46938e-005	0.00291833
%RSD:	78.3753	18.4206	0.282024	15.9452	36.4455
Repeat:1	0.00110992	0.00241591	0.0778749	0.000660828	0.010071
Repeat:2	0.000318366	0.00185908	0.0775649	0.00052691	0.00594382
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0130376	-0.00427024	-0.00140849	0.00474266	382.269
Std Dev:	0.0011289	0.00629876	0.0023106	0.000264588	1.59865
%RSD:	8.65876	147.504	164.048	5.57889	0.418199
Repeat:1	-0.0138358	-0.00872414	-0.00304233	0.00455557	383.4
Repeat:2	-0.0122394	0.00018366	0.000225351	0.00492975	381.139
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3534.12	3420.24	5899.65		
Std Dev:	19.9887	4.93266	21.6375		
%RSD:	0.565594	0.14422	0.366758		
Repeat:1	3519.98	3416.76	5884.35		
Repeat:2	3548.25	3423.73	5914.95		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.115631	37.1771	0.0294172	2.53497	-2.0286
Std Dev:	0.407353	37.0233	3.50566	0.707136	0.0145581
%RSD:	352.287	99.5863	11917.1	27.8952	0.717643
Repeat:1	0.403673	63.3566	-2.44946	3.03499	-2.03889
Repeat:2	-0.172411	10.9977	2.5083	2.03495	-2.0183
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.0278274	22.5027	-0.106968	0.588461	0.132194
Std Dev:	0.158802	34.9485	0.29664	0.300687	0.229672
%RSD:	570.669	155.308	277.316	51.0973	173.739
Repeat:1	-0.0844627	-2.20962	-0.316724	0.375843	-0.0302086
Repeat:2	0.140117	47.215	0.102788	0.801079	0.294596
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	2.20576	11.0276	-4.97539	19.7145	0.0745269
Std Dev:	0.0294342	4.73425	54.484	65.0722	0.0350271

%RSD:	1.33443	42.9308	1095.07	330.073	46.9993
Repeat:1	2.22657	14.3753	-43.5014	-26.2985	0.0992948
Repeat:2	2.18494	7.68002	33.5506	65.7275	0.049759
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.0101909	24.4185	0.752166	1.39998	3.55441
Std Dev:	0.0890712	1.59277	0.578318	1.37122	1.03647
%RSD:	874.024	6.5228	76.887	97.9456	29.1601
Repeat:1	0.0731738	23.2922	0.343234	0.430382	4.28731
Repeat:2	-0.0527919	25.5447	1.1611	2.36958	2.82152
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	4.81313	-2.24988	13.9607	0.938693	0.0253082
Std Dev:	3.93461	4.93482	0.247927	0.517674	0.0239264
%RSD:	81.7476	219.337	1.77589	55.1484	94.5403
Repeat:1	7.59532	1.23956	14.136	1.30474	0.0422267
Repeat:2	2.03094	-5.73933	13.7854	0.572642	0.00838964
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	1.02377	-2.78461	0.770992	0.523414	382.269
Std Dev:	0.185479	3.65507	0.646518	0.0747843	1.59865
%RSD:	18.1172	131.26	83.8553	14.2878	0.418199
Repeat:1	0.892617	-5.36913	0.313835	0.470533	383.4
Repeat:2	1.15492	-0.200084	1.22815	0.576294	381.139
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3534.12	3420.24	5899.65		
Std Dev:	19.9887	4.93266	21.6375		
%RSD:	0.565594	0.14422	0.366758		
Repeat:1	3519.98	3416.76	5884.35		
Repeat:2	3548.25	3423.73	5914.95		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	382.269	3534.12	3420.24	5899.65
Std Dev:	1.59865	19.9887	4.93266	21.6375
%RSD:	0.418199	0.565594	0.14422	0.366758
Repeat:1	383.4	3519.98	3416.76	5884.35
Repeat:2	381.139	3548.25	3423.73	5914.95

Sample Name	Acquisition date	Sample type	Correction factor
lcs 200-6872/2-a	9/25/2010 1:08:00PM	Unknown	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/7/1	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	2.1295	2.49288	0.12303	0.171037	0.0416905
Std Dev:	0.00639442	0.000909883	0.000428099	0.000350656	0.000476629
%RSD:	0.300278	0.0364993	0.347964	0.205017	1.14326
Repeat:1	2.12498	2.49223	0.122727	0.170789	0.0420275
Repeat:2	2.13402	2.49352	0.123332	0.171285	0.0413534
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	2.64963	0.789334	0.875957	0.451504	0.715806

Std Dev:	0.0012946	0.000585162	0.000884361	0.000671964	0.000188024
%RSD:	0.0488597	0.0741337	0.100959	0.148828	0.0262675
Repeat:1	2.64872	0.78892	0.875332	0.451029	0.715673
Repeat:2	2.65055	0.789747	0.876583	0.451979	0.715939
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	3.15576	8.77012	1.68495	0.926446	11.022
Std Dev:	0.00523312	0.00504655	0.000977656	0.000493376	5.88358e-005
%RSD:	0.165828	0.0575426	0.0580227	0.0532547	0.000533804
Repeat:1	3.15946	8.76655	1.68426	0.926795	11.0219
Repeat:2	3.15206	8.77369	1.68564	0.926097	11.022
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.8588	5.33165	0.272237	0.0791662	2.90116
Std Dev:	0.0022894	0.00431794	0.000273524	5.11048e-005	0.00179003
%RSD:	0.266581	0.0809868	0.100473	0.0645539	0.0617005
Repeat:1	0.857181	5.3286	0.272044	0.07913	2.90242
Repeat:2	0.860419	5.33471	0.272431	0.0792023	2.89989
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.285716	0.0437134	0.957004	0.178399	167.887
Std Dev:	0.000204449	3.84301e-005	0.00149037	0.000293319	1.02701
%RSD:	0.0715566	0.0879139	0.155733	0.164418	0.611728
Repeat:1	0.285572	0.0437406	0.95595	0.178191	168.614
Repeat:2	0.285861	0.0436862	0.958057	0.178606	167.161
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	6.03408	0.917598	1.73593	1.65619	346.976
Std Dev:	0.00475972	0.00381253	0.00573387	0.000193417	0.822275
%RSD:	0.0788806	0.41549	0.330306	0.0116784	0.236984
Repeat:1	6.03071	0.920294	1.73998	1.65632	346.394
Repeat:2	6.03744	0.914902	1.73187	1.65605	347.557
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3391.98	3315.92	5819.68		
Std Dev:	3.3846	2.71347	35.8275		
%RSD:	0.0997824	0.0818315	0.615627		
Repeat:1	3389.58	3314.01	5794.35		
Repeat:2	3394.37	3317.84	5845.02		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	2.1295	2.49288	0.12303	0.171037	0.0416905
Std Dev:	0.00639442	0.000909883	0.000428099	0.000350656	0.000476629
%RSD:	0.300278	0.0364993	0.347964	0.205017	1.14326
Repeat:1	2.12498	2.49223	0.122727	0.170789	0.0420275
Repeat:2	2.13402	2.49352	0.123332	0.171285	0.0413534
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	2.64963	0.789334	0.875957	0.451504	0.715806
Std Dev:	0.0012946	0.000585162	0.000884361	0.000671964	0.000188024
%RSD:	0.0488597	0.0741337	0.100959	0.148828	0.0262675
Repeat:1	2.64872	0.78892	0.875332	0.451029	0.715673
Repeat:2	2.65055	0.789747	0.876583	0.451979	0.715939
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	3.15576	8.77012	1.68495	0.926446	11.022
Std Dev:	0.00523312	0.00504655	0.000977656	0.000493376	5.88358e-005
%RSD:	0.165828	0.0575426	0.0580227	0.0532547	0.000533804
Repeat:1	3.15946	8.76655	1.68426	0.926795	11.0219
Repeat:2	3.15206	8.77369	1.68564	0.926097	11.022

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.8588	5.33165	0.272237	0.0791662	2.90116
Std Dev:	0.0022894	0.00431794	0.000273524	5.11048e-005	0.00179003
%RSD:	0.266581	0.0809868	0.100473	0.0645539	0.0617005
Repeat:1	0.857181	5.3286	0.272044	0.07913	2.90242
Repeat:2	0.860419	5.33471	0.272431	0.0792023	2.89989
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.285716	0.0437134	0.957004	0.178399	167.887
Std Dev:	0.000204449	3.84301e-005	0.00149037	0.000293319	1.02701
%RSD:	0.0715566	0.0879139	0.155733	0.164418	0.611728
Repeat:1	0.285572	0.0437406	0.95595	0.178191	168.614
Repeat:2	0.285861	0.0436862	0.958057	0.178606	167.161
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	6.03408	0.917598	1.73593	1.65619	346.976
Std Dev:	0.00475972	0.00381253	0.00573387	0.000193417	0.822275
%RSD:	0.0788806	0.41549	0.330306	0.0116784	0.236984
Repeat:1	6.03071	0.920294	1.73998	1.65632	346.394
Repeat:2	6.03744	0.914902	1.73187	1.65605	347.557
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3391.98	3315.92	5819.68		
Std Dev:	3.3846	2.71347	35.8275		
%RSD:	0.0997824	0.0818315	0.615627		
Repeat:1	3389.58	3314.01	5794.35		
Repeat:2	3394.37	3317.84	5845.02		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	465.67	50140.9	1065.75	492.569	468.795
Std Dev:	1.39502	18.205	3.72148	0.983932	5.33315
%RSD:	0.299574	0.0363077	0.349189	0.199755	1.13763
Repeat:1	464.683	50128.1	1063.12	491.873	472.566
Repeat:2	466.656	50153.8	1068.38	493.264	465.024
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	498.182	49897.1	490.432	462.115	473.116
Std Dev:	0.243956	36.9838	0.484104	0.68638	0.124757
%RSD:	0.0489693	0.0741201	0.0987098	0.14853	0.0263692
Repeat:1	498.009	49870.9	490.089	461.629	473.027
Repeat:2	498.354	49923.2	490.774	462.6	473.204
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	449.475	50321.9	49913.6	49864.9	453.426
Std Dev:	0.759646	28.8972	28.5621	26.524	0.00290113
%RSD:	0.169007	0.0574248	0.0572231	0.0531917	0.000639823
Repeat:1	450.012	50301.5	49893.4	49883.6	453.424
Repeat:2	448.938	50342.3	49933.8	49846.1	453.428
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	1005.15	49589.7	458.121	1009.38	1009.86
Std Dev:	2.6818	39.8472	0.466044	0.652523	0.610925
%RSD:	0.266806	0.0803538	0.10173	0.0646458	0.0604959
Repeat:1	1003.25	49561.5	457.791	1008.92	1010.29
Repeat:2	1007.04	49617.9	458.45	1009.84	1009.43

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	2008.14	514.64	997.798	972.966	1376.41
Std Dev:	1.44687	0.484896	1.67399	1.60352	8.42014
%RSD:	0.0720502	0.0942204	0.167769	0.164808	0.611746
Repeat:1	2007.12	514.983	996.615	971.832	1382.36
Repeat:2	2009.16	514.297	998.982	974.1	1370.46
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	994.112	530.194	491.442	485.886	346.976
Std Dev:	0.780925	2.21057	1.59069	0.0595294	0.822275
%RSD:	0.0785551	0.416935	0.323678	0.0122517	0.236984
Repeat:1	993.56	531.757	492.567	485.928	346.394
Repeat:2	994.664	528.631	490.318	485.844	347.557
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3391.98	3315.92	5819.68		
Std Dev:	3.3846	2.71347	35.8275		
%RSD:	0.0997824	0.0818315	0.615627		
Repeat:1	3389.58	3314.01	5794.35		
Repeat:2	3394.37	3317.84	5845.02		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	346.976	3391.98	3315.92	5819.68
Std Dev:	0.822275	3.3846	2.71347	35.8275
%RSD:	0.236984	0.0997824	0.0818315	0.615627
Repeat:1	346.394	3389.58	3314.01	5794.35
Repeat:2	347.557	3394.37	3317.84	5845.02

Sample Name	Acquisition date	Sample type	Correction factor
200-1636-d-1-a	9/25/2010 1:11:51PM	Unknown	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/8/1	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.0010322	0.0509357	0.000888586	0.0218589	0.00291902
Std Dev:	0.00491246	0.000661389	4.47703e-005	0.000310074	0.000154672
%RSD:	475.921	1.29848	5.03838	1.41852	5.29875
Repeat:1	-0.00450584	0.0504681	0.000856928	0.0216396	0.00280965
Repeat:2	0.00244144	0.0514034	0.000920243	0.0220782	0.00302839
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.000224336	0.342611	-0.00325215	-0.00387588	0.0163014
Std Dev:	6.55965e-005	0.0025713	6.92099e-005	3.82776e-005	0.000244819
%RSD:	29.2403	0.750499	2.12813	0.987584	1.50183
Repeat:1	0.000177952	0.34443	-0.00330109	-0.00384882	0.0164745
Repeat:2	0.00027072	0.340793	-0.00320321	-0.00390295	0.0161283
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0560178	0.00186385	0.196991	0.188184	0.400518
Std Dev:	0.00107971	0.00195947	0.00255555	0.00170856	0.000505769
%RSD:	1.92745	105.13	1.29729	0.907919	0.126279
Repeat:1	0.0552543	0.0032494	0.198798	0.189393	0.400875
Repeat:2	0.0567812	0.000478293	0.195184	0.186976	0.40016

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.00250977	3.03247	0.0227735	0.00118558	0.000607355
Std Dev:	0.000444181	0.0155081	0.000204202	0.000139074	0.00450829
%RSD:	17.6981	0.511401	0.896665	11.7305	742.282
Repeat:1	0.00282385	3.04343	0.0226291	0.00128392	0.00379519
Repeat:2	0.00219568	3.0215	0.0229179	0.00108724	-0.00258048
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000416414	0.00245559	7.0923	0.00032855	15.767
Std Dev:	0.000108662	0.000242041	0.0177776	5.09296e-005	0.0101745
%RSD:	26.0946	9.85676	0.250661	15.5013	0.0645302
Repeat:1	0.000493249	0.00262674	7.10487	0.000364563	15.7742
Repeat:2	0.000339579	0.00228444	7.07973	0.000292537	15.7598
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.00147756	0.000469934	-0.000973769	0.0925858	372.534
Std Dev:	0.000353563	0.000267366	0.00242894	0.000239689	1.30162
%RSD:	23.9289	56.8943	249.437	0.258883	0.349397
Repeat:1	-0.00122755	0.000280878	0.000743752	0.0927553	373.455
Repeat:2	-0.00172757	0.00065899	-0.00269129	0.0924164	371.614
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3478.8	3396.1	5917.13		
Std Dev:	28.406	5.15309	15.8508		
%RSD:	0.816547	0.151736	0.26788		
Repeat:1	3458.72	3392.46	5905.92		
Repeat:2	3498.89	3399.75	5928.34		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.0010322	0.0509357	0.000888586	0.0218589	0.00291902
Std Dev:	0.00491246	0.000661389	4.47703e-005	0.000310074	0.000154672
%RSD:	475.921	1.29848	5.03838	1.41852	5.29875
Repeat:1	-0.00450584	0.0504681	0.000856928	0.0216396	0.00280965
Repeat:2	0.00244144	0.0514034	0.000920243	0.0220782	0.00302839
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.000224336	0.342611	-0.00325215	-0.00387588	0.0163014
Std Dev:	6.55965e-005	0.0025713	6.92099e-005	3.82776e-005	0.000244819
%RSD:	29.2403	0.750499	2.12813	0.987584	1.50183
Repeat:1	0.000177952	0.34443	-0.00330109	-0.00384882	0.0164745
Repeat:2	0.00027072	0.340793	-0.00320321	-0.00390295	0.0161283
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0560178	0.00186385	0.196991	0.188184	0.400518
Std Dev:	0.00107971	0.00195947	0.00255555	0.00170856	0.000505769
%RSD:	1.92745	105.13	1.29729	0.907919	0.126279
Repeat:1	0.0552543	0.0032494	0.198798	0.189393	0.400875
Repeat:2	0.0567812	0.000478293	0.195184	0.186976	0.40016
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.00250977	3.03247	0.0227735	0.00118558	0.000607355
Std Dev:	0.000444181	0.0155081	0.000204202	0.000139074	0.00450829
%RSD:	17.6981	0.511401	0.896665	11.7305	742.282
Repeat:1	0.00282385	3.04343	0.0226291	0.00128392	0.00379519
Repeat:2	0.00219568	3.0215	0.0229179	0.00108724	-0.00258048
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000416414	0.00245559	7.0923	0.00032855	15.767
Std Dev:	0.000108662	0.000242041	0.0177776	5.09296e-005	0.0101745
%RSD:	26.0946	9.85676	0.250661	15.5013	0.0645302

Repeat:1	0.000493249	0.00262674	7.10487	0.000364563	15.7742
Repeat:2	0.000339579	0.00228444	7.07973	0.000292537	15.7598
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.00147756	0.000469934	-0.000973769	0.0925858	372.534
Std Dev:	0.000353563	0.000267366	0.00242894	0.000239689	1.30162
%RSD:	23.9289	56.8943	249.437	0.258883	0.349397
Repeat:1	-0.00122755	0.000280878	0.000743752	0.0927553	373.455
Repeat:2	-0.00172757	0.00065899	-0.00269129	0.0924164	371.614
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3478.8	3396.1	5917.13		
Std Dev:	28.406	5.15309	15.8508		
%RSD:	0.816547	0.151736	0.26788		
Repeat:1	3458.72	3392.46	5905.92		
Repeat:2	3498.89	3399.75	5928.34		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.826925	1058.7	0.521376	67.9738	34.2145
Std Dev:	1.07161	13.299	0.387828	0.996041	1.72817
%RSD:	129.589	1.25616	74.3855	1.46533	5.05099
Repeat:1	0.0691847	1049.3	0.24714	67.2695	32.9925
Repeat:2	1.58467	1068.11	0.795612	68.6781	35.4365
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.336924	21663.1	0.339226	0.625744	11.0794
Std Dev:	0.0123999	162.512	0.0375857	0.040234	0.161605
%RSD:	3.68034	0.750181	11.0798	6.42978	1.45862
Repeat:1	0.328156	21778	0.312649	0.654194	11.1936
Repeat:2	0.345692	21548.2	0.365803	0.597295	10.9651
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	2.0015	76.274	6442.92	10109.1	16.3441
Std Dev:	0.156875	11.2279	74.6603	91.9598	0.0191964
%RSD:	7.83786	14.7205	1.1588	0.909678	0.117452
Repeat:1	1.89057	84.2133	6495.71	10174.1	16.3577
Repeat:2	2.11243	68.3347	6390.13	10044	16.3305
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	2.04172	28372.1	32.8479	20.0103	5.46578
Std Dev:	0.520316	143.113	0.350427	1.7619	1.54935
%RSD:	25.4841	0.504415	1.06682	8.80499	28.3464
Repeat:1	2.40964	28473.3	32.6001	21.2561	6.56134
Repeat:2	1.67381	28270.9	33.0957	18.7644	4.37022
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	2.57333	1.68998	7892.61	-0.511758	129.228
Std Dev:	0.765123	3.03411	19.9657	0.278423	0.0834171
%RSD:	29.7328	179.535	0.252967	54.4051	0.0645503
Repeat:1	3.11435	3.83542	7906.73	-0.314884	129.287
Repeat:2	2.0323	-0.455462	7878.49	-0.708633	129.169
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	2.92003	-0.0649791	0.902007	26.2009	372.534

Std Dev:	0.0578418	0.156872	0.683165	0.0698437	1.30162
%RSD:	1.98086	241.419	75.7383	0.26657	0.349397
Repeat:1	2.96093	-0.175904	1.38508	26.2503	373.455
Repeat:2	2.87913	0.0459461	0.418936	26.1515	371.614
Element/Wavelength	Y_HWAX	Y_LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3478.8	3396.1	5917.13		
Std Dev:	28.406	5.15309	15.8508		
%RSD:	0.816547	0.151736	0.26788		
Repeat:1	3458.72	3392.46	5905.92		
Repeat:2	3498.89	3399.75	5928.34		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Avg. of Repeats:	372.534	3478.8	3396.1	5917.13
Std Dev:	1.30162	28.406	5.15309	15.8508
%RSD:	0.349397	0.816547	0.151736	0.26788
Repeat:1	373.455	3458.72	3392.46	5905.92
Repeat:2	371.614	3498.89	3399.75	5928.34

Sample Name	Acquisition date	Sample type	Correction factor
200-1636-d-1-aSD@5	9/25/2010 1:15:45PM	Unknown	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/9/1	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00117574	0.00954787	0.000790215	0.00471309	0.000308739
Std Dev:	0.00102783	4.02366e-005	0.000123322	1.3132e-005	5.55615e-005
%RSD:	87.4201	0.421419	15.6061	0.278628	17.9963
Repeat:1	-0.000448953	0.00957632	0.000703013	0.00470381	0.000348027
Repeat:2	-0.00190253	0.00951942	0.000877416	0.00472238	0.000269451
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.00151574	0.0695632	-0.00367217	-0.00358401	0.0029505
Std Dev:	0.00139229	0.00112563	0.000364801	0.000162943	0.000118876
%RSD:	91.8551	1.61814	9.93419	4.5464	4.02903
Repeat:1	-0.00250024	0.0703591	-0.00341422	-0.00369922	0.00303456
Repeat:2	-0.000531247	0.0687673	-0.00393012	-0.00346879	0.00286644
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0461884	-0.00715978	0.0208487	0.0380534	0.0839149
Std Dev:	0.00466158	0.00192194	0.00181183	1.87417e-005	0.000378148
%RSD:	10.0925	26.8436	8.69037	0.049251	0.450633
Repeat:1	0.0494846	-0.00580076	0.0221299	0.0380402	0.0841822
Repeat:2	0.0428921	-0.00851879	0.0195675	0.0380667	0.0836475
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000806642	0.587198	0.00786532	-0.000211649	-0.00467056
Std Dev:	0.000138544	0.00748813	0.00017865	3.35048e-005	0.00141546
%RSD:	17.1754	1.27523	2.27137	15.8304	30.3059
Repeat:1	0.000708677	0.592493	0.00773899	-0.000187957	-0.00567144
Repeat:2	0.000904608	0.581903	0.00799164	-0.00023534	-0.00366968
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	4.58308e-005	0.00246786	1.46198	0.000600791	3.18443
Std Dev:	0.000460639	0.000180866	0.00762933	3.65014e-005	0.00925425
%RSD:	1005.09	7.32887	0.521848	6.07556	0.290609

Repeat:1	-0.00027989	0.00233997	1.45659	0.00057498	3.19098
Repeat:2	0.000371552	0.00259575	1.46738	0.000626601	3.17789
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0151142	-0.00320889	-0.00139926	0.0206685	381.732
Std Dev:	9.35954e-006	2.09422e-006	0.00120581	0.000344794	1.95435
%RSD:	0.0619253	0.0652629	86.1748	1.66821	0.511968
Repeat:1	-0.0151076	-0.00321037	-0.00225189	0.0204247	383.114
Repeat:2	-0.0151209	-0.00320741	-0.000546623	0.0209123	380.35
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3510.33	3422.74	5914.17		
Std Dev:	11.986	2.71515	33.6936		
%RSD:	0.34145	0.079327	0.56971		
Repeat:1	3501.86	3420.82	5890.35		
Repeat:2	3518.81	3424.66	5938		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00117574	0.00954787	0.000790215	0.00471309	0.000308739
Std Dev:	0.00102783	4.02366e-005	0.000123322	1.3132e-005	5.55615e-005
%RSD:	87.4201	0.421419	15.6061	0.278628	17.9963
Repeat:1	-0.000448953	0.00957632	0.000703013	0.00470381	0.000348027
Repeat:2	-0.00190253	0.00951942	0.000877416	0.00472238	0.000269451
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.00151574	0.0695632	-0.00367217	-0.00358401	0.0029505
Std Dev:	0.00139229	0.00112563	0.000364801	0.000162943	0.000118876
%RSD:	91.8551	1.61814	9.93419	4.5464	4.02903
Repeat:1	-0.00250024	0.0703591	-0.00341422	-0.00369922	0.00303456
Repeat:2	-0.000531247	0.0687673	-0.00393012	-0.00346879	0.00286644
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0461884	-0.00715978	0.0208487	0.0380534	0.0839149
Std Dev:	0.00466158	0.00192194	0.00181183	1.87417e-005	0.000378148
%RSD:	10.0925	26.8436	8.69037	0.049251	0.450633
Repeat:1	0.0494846	-0.00580076	0.0221299	0.0380402	0.0841822
Repeat:2	0.0428921	-0.00851879	0.0195675	0.0380667	0.0836475
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000806642	0.587198	0.00786532	-0.000211649	-0.00467056
Std Dev:	0.000138544	0.00748813	0.00017865	3.35048e-005	0.00141546
%RSD:	17.1754	1.27523	2.27137	15.8304	30.3059
Repeat:1	0.000708677	0.592493	0.00773899	-0.000187957	-0.00567144
Repeat:2	0.000904608	0.581903	0.00799164	-0.00023534	-0.00366968
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	4.58308e-005	0.00246786	1.46198	0.000600791	3.18443
Std Dev:	0.000460639	0.000180866	0.00762933	3.65014e-005	0.00925425
%RSD:	1005.09	7.32887	0.521848	6.07556	0.290609
Repeat:1	-0.00027989	0.00233997	1.45659	0.00057498	3.19098
Repeat:2	0.000371552	0.00259575	1.46738	0.000626601	3.17789
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0151142	-0.00320889	-0.00139926	0.0206685	381.732
Std Dev:	9.35954e-006	2.09422e-006	0.00120581	0.000344794	1.95435
%RSD:	0.0619253	0.0652629	86.1748	1.66821	0.511968
Repeat:1	-0.0151076	-0.00321037	-0.00225189	0.0204247	383.114
Repeat:2	-0.0151209	-0.00320741	-0.000546623	0.0209123	380.35
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3510.33	3422.74	5914.17		

Std Dev:	11.986	2.71515	33.6936
%RSD:	0.34145	0.079327	0.56971
Repeat:1	3501.86	3420.82	5890.35
Repeat:2	3518.81	3424.66	5938

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.797779	223.927	-0.406859	14.2372	5.02517
Std Dev:	0.224211	0.825762	1.07129	0.0341533	0.620601
%RSD:	28.1044	0.368764	263.307	0.239888	12.3498
Repeat:1	0.95632	224.511	-1.16438	14.2131	5.464
Repeat:2	0.639238	223.343	0.350657	14.2614	4.58634
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.00837554	4405.75	0.106508	0.936432	2.26672
Std Dev:	0.2611	71.1429	0.20849	0.165724	0.0782553
%RSD:	3117.41	1.61477	195.751	17.6974	3.45236
Repeat:1	-0.17625	4456.05	0.253932	0.819247	2.32205
Repeat:2	0.193001	4355.44	-0.0409168	1.05362	2.21138
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.579227	24.5253	1296.93	2029.11	3.43937
Std Dev:	0.675142	11.0314	52.9324	1.00716	0.0156046
%RSD:	116.559	44.9798	4.08137	0.0496355	0.453706
Repeat:1	1.05662	32.3256	1334.36	2028.4	3.4504
Repeat:2	0.10183	16.7249	1259.5	2029.82	3.42833
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.0452567	5806.46	7.3138	2.31568	3.5806
Std Dev:	0.162288	69.1027	0.306228	0.423876	0.484624
%RSD:	358.596	1.1901	4.18699	18.3046	13.5347
Repeat:1	-0.0694986	5855.32	7.09727	2.61541	3.23792
Repeat:2	0.160012	5757.59	7.53034	2.01595	3.92328
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.0939629	1.88284	1568.74	0.976533	26.0677
Std Dev:	3.23786	2.26784	8.56846	0.199546	0.0758725
%RSD:	3445.9	120.448	0.5462	20.4342	0.291059
Repeat:1	-2.19555	0.279236	1562.68	0.835432	26.1214
Repeat:2	2.38348	3.48645	1574.8	1.11763	26.0141
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	0.682083	-2.17596	0.773781	5.16924	381.732
Std Dev:	0.00158921	0.000254081	0.33898	0.10192	1.95435
%RSD:	0.232993	0.0116767	43.8082	1.97166	0.511968
Repeat:1	0.683207	-2.17614	0.534086	5.09717	383.114
Repeat:2	0.680959	-2.17578	1.01348	5.24131	380.35
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3510.33	3422.74	5914.17		
Std Dev:	11.986	2.71515	33.6936		
%RSD:	0.34145	0.079327	0.56971		
Repeat:1	3501.86	3420.82	5890.35		

Repeat:2	3518.81	3424.66	5938

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	381.732	3510.33	3422.74	5914.17
Std Dev:	1.95435	11.986	2.71515	33.6936
%RSD:	0.511968	0.34145	0.079327	0.56971
Repeat:1	383.114	3501.86	3420.82	5890.35
Repeat:2	380.35	3518.81	3424.66	5938

Sample Name	Acquisition date	Sample type	Correction factor
200-1636-d-2-a	9/25/2010 1:19:38PM	Unknown	1.00

Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/10/1	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-7.74361e-005	0.46022	0.000721122	0.0250108	0.00315898
Std Dev:	0.00277357	0.000601489	0.000542965	0.000109976	3.15843e-005
%RSD:	3581.76	0.130696	75.2945	0.439715	0.999823
Repeat:1	0.00188378	0.460645	0.000337187	0.0249331	0.00313665
Repeat:2	-0.00203865	0.459795	0.00110506	0.0250886	0.00318132

Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.00897921	0.299865	-0.00317043	-0.00393516	0.303214
Std Dev:	0.00127982	3.86296e-005	0.000453549	0.000398654	0.000405374
%RSD:	14.2531	0.0128823	14.3056	10.1306	0.133692
Repeat:1	0.00988418	0.299893	-0.00349114	-0.00421705	0.302927
Repeat:2	0.00807425	0.299838	-0.00284973	-0.00365327	0.3035

Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0678244	0.0442281	0.958728	0.163013	170.045
Std Dev:	0.00184489	0.000118071	0.00366133	0.000873187	0.612211
%RSD:	2.7201	0.26696	0.381895	0.535654	0.36003
Repeat:1	0.0691289	0.0443116	0.961317	0.162396	170.478
Repeat:2	0.0665198	0.0441446	0.956139	0.163631	169.612

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000908533	4.7872	0.109677	0.00417065	0.0080103
Std Dev:	0.00017668	0.00709189	0.000111115	0.000127265	0.00202989
%RSD:	19.4467	0.148143	0.101312	3.05144	25.341
Repeat:1	0.00103346	4.79222	0.109755	0.00426064	0.00657495
Repeat:2	0.000783602	4.78219	0.109598	0.00408066	0.00944565

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.00035652	0.00246425	10.2395	0.000485594	12.1509
Std Dev:	7.36532e-005	0.000269848	0.0133891	0.000124545	0.084426
%RSD:	20.6589	10.9505	0.13076	25.648	0.694811
Repeat:1	0.0004086	0.00227344	10.2489	0.00057366	12.2106
Repeat:2	0.000304439	0.00265506	10.23	0.000397527	12.0912

Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	0.0579096	-0.00177214	0.00336207	0.0915374	367.536
Std Dev:	0.00239845	0.00235221	0.00161633	0.000907694	0.584339
%RSD:	4.14172	132.733	48.0756	0.991611	0.158988
Repeat:1	0.0562136	-0.000108874	0.00221915	0.0908955	367.123
Repeat:2	0.0596055	-0.0034354	0.00450499	0.0921792	367.949

Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	3504.71	3403.37	5919.89

Std Dev:	1.57167	14.4	21.7649
%RSD:	0.0448444	0.42311	0.367657
Repeat:1	3503.6	3393.19	5904.5
Repeat:2	3505.82	3413.56	5935.28

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-7.74361e-005	0.46022	0.000721122	0.0250108	0.00315898
Std Dev:	0.00277357	0.000601489	0.000542965	0.000109976	3.15843e-005
%RSD:	3581.76	0.130696	75.2945	0.439715	0.999823
Repeat:1	0.00188378	0.460645	0.000337187	0.0249331	0.00313665
Repeat:2	-0.00203865	0.459795	0.00110506	0.0250886	0.00318132

Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.00897921	0.299865	-0.00317043	-0.00393516	0.303214
Std Dev:	0.00127982	3.86296e-005	0.000453549	0.000398654	0.000405374
%RSD:	14.2531	0.0128823	14.3056	10.1306	0.133692
Repeat:1	0.00988418	0.299893	-0.00349114	-0.00421705	0.302927
Repeat:2	0.00807425	0.299838	-0.00284973	-0.00365327	0.3035

Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0678244	0.0442281	0.958728	0.163013	170.045
Std Dev:	0.00184489	0.000118071	0.00366133	0.000873187	0.612211
%RSD:	2.7201	0.26696	0.381895	0.535654	0.36003
Repeat:1	0.0691289	0.0443116	0.961317	0.162396	170.478
Repeat:2	0.0665198	0.0441446	0.956139	0.163631	169.612

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000908533	4.7872	0.109677	0.00417065	0.0080103
Std Dev:	0.00017668	0.00709189	0.000111115	0.000127265	0.00202989
%RSD:	19.4467	0.148143	0.101312	3.05144	25.341
Repeat:1	0.00103346	4.79222	0.109755	0.00426064	0.00657495
Repeat:2	0.000783602	4.78219	0.109598	0.00408066	0.00944565

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.00035652	0.00246425	10.2395	0.000485594	12.1509
Std Dev:	7.36532e-005	0.000269848	0.0133891	0.000124545	0.084426
%RSD:	20.6589	10.9505	0.13076	25.648	0.694811
Repeat:1	0.0004086	0.00227344	10.2489	0.00057366	12.2106
Repeat:2	0.000304439	0.00265506	10.23	0.000397527	12.0912

Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	0.0579096	-0.00177214	0.00336207	0.0915374	367.536
Std Dev:	0.00239845	0.00235221	0.00161633	0.000907694	0.584339
%RSD:	4.14172	132.733	48.0756	0.991611	0.158988
Repeat:1	0.0562136	-0.000108874	0.00221915	0.0908955	367.123
Repeat:2	0.0596055	-0.0034354	0.00450499	0.0921792	367.949

Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	3504.71	3403.37	5919.89
Std Dev:	1.57167	14.4	21.7649
%RSD:	0.0448444	0.42311	0.367657
Repeat:1	3503.6	3393.19	5904.5
Repeat:2	3505.82	3413.56	5935.28

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.347834	9290.28	0.723355	77.9331	36.9004
Std Dev:	0.599966	12.0901	4.72277	0.378211	0.354128
%RSD:	172.486	0.130137	652.897	0.485302	0.959687

Repeat:1	0.0764056	9298.83	-2.61614	77.6656	36.65
Repeat:2	-0.772074	9281.73	4.06286	78.2005	37.1508
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	1.98835	18961.4	0.384374	0.521495	199.705
Std Dev:	0.239797	2.44149	0.238702	0.403165	0.269959
%RSD:	12.0601	0.0128761	62.1015	77.3095	0.135179
Repeat:1	2.15791	18963.2	0.215586	0.236414	199.514
Repeat:2	1.81878	18959.7	0.553162	0.806575	199.896
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	3.70551	319.192	28697	8754.45	7008.77
Std Dev:	0.26724	0.699802	106.966	46.9942	25.235
%RSD:	7.21197	0.219242	0.372741	0.536804	0.360049
Repeat:1	3.89448	319.687	28772.6	8721.22	7026.61
Repeat:2	3.51654	318.697	28621.4	8787.68	6990.92
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.940038	44565.3	181.702	57.8007	7.82267
Std Dev:	0.209756	65.4461	0.190186	1.61174	0.698659
%RSD:	22.3136	0.146854	0.104669	2.78844	8.93121
Repeat:1	1.08836	44611.6	181.837	58.9404	7.32865
Repeat:2	0.791719	44519.1	181.568	56.6611	8.3167
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.271089	-3.93374	11427.3	0.346773	99.581
Std Dev:	0.525135	3.40327	15.0402	0.680865	0.69218
%RSD:	193.713	86.515	0.131617	196.343	0.695092
Repeat:1	0.100238	-6.34022	11437.9	0.828217	100.07
Repeat:2	-0.642415	-1.52726	11416.6	-0.134672	99.0916
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	12.6382	-14.0802	2.09478	25.1512	367.536
Std Dev:	0.394123	1.32147	0.451042	0.270067	0.584339
%RSD:	3.11851	9.38527	21.5318	1.07378	0.158988
Repeat:1	12.3595	-13.1458	1.77584	24.9602	367.123
Repeat:2	12.9169	-15.0146	2.41371	25.3421	367.949
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3504.71	3403.37	5919.89		
Std Dev:	1.57167	14.4	21.7649		
%RSD:	0.0448444	0.42311	0.367657		
Repeat:1	3503.6	3393.19	5904.5		
Repeat:2	3505.82	3413.56	5935.28		
Internal Standards					
Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD	
Avg. of Repeats:	367.536	3504.71	3403.37	5919.89	
Std Dev:	0.584339	1.57167	14.4	21.7649	
%RSD:	0.158988	0.0448444	0.42311	0.367657	
Repeat:1	367.123	3503.6	3393.19	5904.5	
Repeat:2	367.949	3505.82	3413.56	5935.28	

**Autosampler Locations
(rack/row/col)**

2/11/1

Valid
Yes**Analyst Name**
admin**Method Name**
6010B (195)**RAW CTS/S**

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00522858	0.670789	0.00110499	0.0227864	0.00996318
Std Dev:	0.00144288	0.00564603	0.000402816	0.000284156	0.000688259
%RSD:	27.596	0.841699	36.4544	1.24704	6.90803
Repeat:1	-0.00420831	0.666797	0.000820152	0.0225855	0.0104498
Repeat:2	-0.00624885	0.674782	0.00138982	0.0229873	0.0094765
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.00894118	0.285834	-0.00344116	-0.00375076	0.0359336
Std Dev:	0.000199102	0.000342547	0.000117597	0.000266578	0.000294053
%RSD:	2.2268	0.119841	3.41737	7.10731	0.818324
Repeat:1	0.0088004	0.286076	-0.00352432	-0.00356226	0.0361415
Repeat:2	0.00908197	0.285592	-0.00335801	-0.00393926	0.0357257
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0814462	0.121796	0.344074	0.171451	1.04089
Std Dev:	0.000774586	0.000566741	0.00260891	0.00207965	0.00417893
%RSD:	0.95104	0.46532	0.758242	1.21297	0.401475
Repeat:1	0.0808985	0.122197	0.345918	0.172921	1.03794
Repeat:2	0.081994	0.121395	0.342229	0.16998	1.04385
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000377057	2.1505	0.186009	0.00306324	-0.00548144
Std Dev:	4.33385e-005	0.0068238	0.00057707	4.64418e-006	0.00538293
%RSD:	11.4939	0.317312	0.310238	0.15161	98.2029
Repeat:1	0.000346412	2.14568	0.185601	0.00305995	-0.00167513
Repeat:2	0.000407702	2.15533	0.186417	0.00306652	-0.00928774
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000329771	0.00229075	10.6061	0.000499038	12.3872
Std Dev:	9.80896e-005	1.38473e-005	0.00839015	3.14527e-005	0.045049
%RSD:	29.7447	0.604488	0.0791067	6.30267	0.363675
Repeat:1	0.000399131	0.00228096	10.612	0.000521278	12.3553
Repeat:2	0.000260411	0.00230054	10.6002	0.000476797	12.419
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	0.167651	0.000418922	0.0039303	0.0675518	373.282
Std Dev:	0.00290368	0.00177535	0.00285763	0.000564484	4.23929
%RSD:	1.73198	423.79	72.7076	0.835631	1.13568
Repeat:1	0.169704	-0.000836441	0.00190965	0.0671527	370.285
Repeat:2	0.165598	0.00167429	0.00595095	0.067951	376.28
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3526.31	3449.19	5905.32		
Std Dev:	2.34891	36.8815	24.2102		
%RSD:	0.0666108	1.06928	0.409972		
Repeat:1	3527.97	3423.11	5922.44		
Repeat:2	3524.65	3475.27	5888.2		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00522858	0.670789	0.00110499	0.0227864	0.00996318
Std Dev:	0.00144288	0.00564603	0.000402816	0.000284156	0.000688259
%RSD:	27.596	0.841699	36.4544	1.24704	6.90803
Repeat:1	-0.00420831	0.666797	0.000820152	0.0225855	0.0104498

Repeat:2	-0.00624885	0.674782	0.00138982	0.0229873	0.0094765
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.00894118	0.285834	-0.00344116	-0.00375076	0.0359336
Std Dev:	0.000199102	0.000342547	0.000117597	0.000266578	0.000294053
%RSD:	2.2268	0.119841	3.41737	7.10731	0.818324
Repeat:1	0.0088004	0.286076	-0.00352432	-0.00356226	0.0361415
Repeat:2	0.00908197	0.285592	-0.00335801	-0.00393926	0.0357257
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0814462	0.121796	0.344074	0.171451	1.04089
Std Dev:	0.000774586	0.000566741	0.00260891	0.00207965	0.00417893
%RSD:	0.95104	0.46532	0.758242	1.21297	0.401475
Repeat:1	0.0808985	0.122197	0.345918	0.172921	1.03794
Repeat:2	0.081994	0.121395	0.342229	0.16998	1.04385
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000377057	2.1505	0.186009	0.00306324	-0.00548144
Std Dev:	4.33385e-005	0.0068238	0.00057707	4.64418e-006	0.00538293
%RSD:	11.4939	0.317312	0.310238	0.15161	98.2029
Repeat:1	0.000346412	2.14568	0.185601	0.00305995	-0.00167513
Repeat:2	0.000407702	2.15533	0.186417	0.00306652	-0.00928774
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000329771	0.00229075	10.6061	0.000499038	12.3872
Std Dev:	9.80896e-005	1.38473e-005	0.00839015	3.14527e-005	0.045049
%RSD:	29.7447	0.604488	0.0791067	6.30267	0.363675
Repeat:1	0.000399131	0.00228096	10.612	0.000521278	12.3553
Repeat:2	0.000260411	0.00230054	10.6002	0.000476797	12.419
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	0.167651	0.000418922	0.0039303	0.0675518	373.282
Std Dev:	0.00290368	0.00177535	0.00285763	0.000564484	4.23929
%RSD:	1.73198	423.79	72.7076	0.835631	1.13568
Repeat:1	0.169704	-0.000836441	0.00190965	0.0671527	370.285
Repeat:2	0.165598	0.00167429	0.00595095	0.067951	376.28
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3526.31	3449.19	5905.32		
Std Dev:	2.34891	36.8815	24.2102		
%RSD:	0.0666108	1.06928	0.409972		
Repeat:1	3527.97	3423.11	5922.44		
Repeat:2	3524.65	3475.27	5888.2		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.0888758	13525.4	2.42379	70.9941	112.988
Std Dev:	0.31487	113.553	3.49908	0.8898	7.69469
%RSD:	354.281	0.839555	144.364	1.25334	6.8102
Repeat:1	0.133771	13445.1	-0.0504372	70.3649	118.429
Repeat:2	-0.311522	13605.7	4.89801	71.6233	107.547
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	1.99862	18074.6	0.226592	0.625761	24.0664
Std Dev:	0.0367122	21.6498	0.0541698	0.266954	0.193918
%RSD:	1.83688	0.11978	23.9063	42.6608	0.805764
Repeat:1	1.97266	18089.9	0.188288	0.814526	24.2035
Repeat:2	2.02458	18059.3	0.264896	0.436995	23.9293
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL

Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	5.66687	763.952	10739.9	9208.74	42.7553
Std Dev:	0.112311	3.23946	76.2191	111.927	0.174256
%RSD:	1.98188	0.42404	0.70968	1.21545	0.407566
Repeat:1	5.58746	766.242	10793.8	9287.88	42.6321
Repeat:2	5.74629	761.661	10686	9129.59	42.8785
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.453607	20233.1	312.443	43.7784	4.30896
Std Dev:	0.050786	62.9721	0.988548	0.0589042	1.84188
%RSD:	11.196	0.311233	0.316393	0.134551	42.7454
Repeat:1	-0.489519	20188.6	311.744	43.7368	5.61137
Repeat:2	-0.417696	20277.6	313.142	43.8201	3.00655
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	1.7739	-0.808216	11839.2	0.420267	101.518
Std Dev:	0.685314	0.170037	9.42418	0.171946	0.369341
%RSD:	38.6331	21.0385	0.0796015	40.9136	0.363819
Repeat:1	2.25849	-0.92845	11845.9	0.541851	101.257
Repeat:2	1.28931	-0.687982	11832.5	0.298683	101.779
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	30.7081	-0.134044	2.21805	17.3343	373.282
Std Dev:	0.477088	1.02882	0.801159	0.165548	4.23929
%RSD:	1.55362	767.524	36.1199	0.955029	1.13568
Repeat:1	31.0454	-0.861533	1.65155	17.2172	370.285
Repeat:2	30.3707	0.593444	2.78456	17.4514	376.28
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3526.31	3449.19	5905.32		
Std Dev:	2.34891	36.8815	24.2102		
%RSD:	0.0666108	1.06928	0.409972		
Repeat:1	3527.97	3423.11	5922.44		
Repeat:2	3524.65	3475.27	5888.2		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	373.282	3526.31	3449.19	5905.32
Std Dev:	4.23929	2.34891	36.8815	24.2102
%RSD:	1.13568	0.0666108	1.06928	0.409972
Repeat:1	370.285	3527.97	3423.11	5922.44
Repeat:2	376.28	3524.65	3475.27	5888.2

Sample Name	Acquisition date	Sample type	Correction factor
200-1636-d-4-a	9/25/2010 1:27:29PM	Unknown	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/12/1	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.000527729	0.432841	0.00081164	0.0264781	0.00590322
Std Dev:	0.00283993	0.00458357	0.000559535	0.000214336	0.00020208
%RSD:	538.142	1.05895	68.9389	0.809481	3.42322
Repeat:1	-0.00253586	0.4296	0.00120729	0.0263266	0.00604612

Repeat:2	0.00148041	0.436082	0.000415989	0.0266297	0.00576033
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.00623305	0.229214	-0.00284644	-0.00297497	0.0975898
Std Dev:	0.00071346	0.00090484	0.000104856	0.000225418	0.000260544
%RSD:	11.4464	0.394758	3.68375	7.57715	0.266979
Repeat:1	0.00572856	0.228574	-0.0027723	-0.00281557	0.0977741
Repeat:2	0.00673754	0.229854	-0.00292059	-0.00313436	0.0974056
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0567261	0.00429096	0.966862	0.112678	43.2994
Std Dev:	0.0023406	0.00198081	0.00455507	0.00105831	0.0112592
%RSD:	4.12614	46.1624	0.471119	0.939236	0.0260031
Repeat:1	0.0583812	0.0056916	0.963641	0.111929	43.2915
Repeat:2	0.0550711	0.00289032	0.970083	0.113426	43.3074
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000413617	3.27137	0.11777	0.00261669	0.00127061
Std Dev:	0.00016728	0.00501151	0.000800363	0.000188731	0.0032277
%RSD:	40.4433	0.153193	0.679599	7.21259	254.027
Repeat:1	0.000295332	3.26783	0.117204	0.00248324	0.00355294
Repeat:2	0.000531902	3.27491	0.118336	0.00275015	-0.00101172
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000498799	0.00194136	9.75288	0.000409103	7.91019
Std Dev:	0.000210741	2.87151e-005	0.00955704	8.65433e-005	0.0604352
%RSD:	42.2497	1.47912	0.0979919	21.1544	0.764017
Repeat:1	0.000349783	0.00196167	9.74613	0.000347908	7.86745
Repeat:2	0.000647816	0.00192106	9.75964	0.000470298	7.95292
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	0.0102666	0.00174999	0.00222728	0.108213	375.112
Std Dev:	0.00219676	0.00181449	0.00176515	0.000704826	0.635653
%RSD:	21.3972	103.686	79.2516	0.65133	0.169457
Repeat:1	0.0118199	0.00303303	0.000979125	0.107715	375.562
Repeat:2	0.00871325	0.000466947	0.00347543	0.108712	374.663
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3545.93	3462.13	6121.53		
Std Dev:	4.45851	2.17241	53.5484		
%RSD:	0.125736	0.0627476	0.874755		
Repeat:1	3549.09	3463.67	6159.39		
Repeat:2	3542.78	3460.59	6083.67		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.000527729	0.432841	0.00081164	0.0264781	0.00590322
Std Dev:	0.00283993	0.00458357	0.000559535	0.000214336	0.00020208
%RSD:	538.142	1.05895	68.9389	0.809481	3.42322
Repeat:1	-0.00253586	0.4296	0.00120729	0.0263266	0.00604612
Repeat:2	0.00148041	0.436082	0.000415989	0.0266297	0.00576033
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.00623305	0.229214	-0.00284644	-0.00297497	0.0975898
Std Dev:	0.00071346	0.00090484	0.000104856	0.000225418	0.000260544
%RSD:	11.4464	0.394758	3.68375	7.57715	0.266979
Repeat:1	0.00572856	0.228574	-0.0027723	-0.00281557	0.0977741
Repeat:2	0.00673754	0.229854	-0.00292059	-0.00313436	0.0974056
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0567261	0.00429096	0.966862	0.112678	43.2994
Std Dev:	0.0023406	0.00198081	0.00455507	0.00105831	0.0112592

%RSD:	4.12614	46.1624	0.471119	0.939236	0.0260031
Repeat:1	0.0583812	0.0056916	0.963641	0.111929	43.2915
Repeat:2	0.0550711	0.00289032	0.970083	0.113426	43.3074
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000413617	3.27137	0.11777	0.00261669	0.00127061
Std Dev:	0.00016728	0.00501151	0.000800363	0.000188731	0.0032277
%RSD:	40.4433	0.153193	0.679599	7.21259	254.027
Repeat:1	0.000295332	3.26783	0.117204	0.00248324	0.00355294
Repeat:2	0.000531902	3.27491	0.118336	0.00275015	-0.00101172
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000498799	0.00194136	9.75288	0.000409103	7.91019
Std Dev:	0.000210741	2.87151e-005	0.00955704	8.65433e-005	0.0604352
%RSD:	42.2497	1.47912	0.0979919	21.1544	0.764017
Repeat:1	0.000349783	0.00196167	9.74613	0.000347908	7.86745
Repeat:2	0.000647816	0.00192106	9.75964	0.000470298	7.95292
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	0.0102666	0.00174999	0.00222728	0.108213	375.112
Std Dev:	0.00219676	0.00181449	0.00176515	0.000704826	0.635653
%RSD:	21.3972	103.686	79.2516	0.65133	0.169457
Repeat:1	0.0118199	0.00303303	0.000979125	0.107715	375.562
Repeat:2	0.00871325	0.000466947	0.00347543	0.108712	374.663
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3545.93	3462.13	6121.53		
Std Dev:	4.45851	2.17241	53.5484		
%RSD:	0.125736	0.0627476	0.874755		
Repeat:1	3549.09	3463.67	6159.39		
Repeat:2	3542.78	3460.59	6083.67		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.587129	8739.01	0.281067	82.5728	67.5868
Std Dev:	0.619353	92.1892	4.86655	0.664296	2.2587
%RSD:	105.488	1.05492	1731.45	0.804498	3.34193
Repeat:1	0.14918	8673.82	3.72224	82.1031	69.184
Repeat:2	1.02508	8804.2	-3.1601	83.0426	65.9897
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	1.46574	14496.1	0.567819	1.49623	64.558
Std Dev:	0.133379	57.1882	0.0424534	0.227067	0.171716
%RSD:	9.09973	0.394508	7.47656	15.1759	0.265987
Repeat:1	1.37143	14455.6	0.597839	1.65679	64.6794
Repeat:2	1.56006	14536.5	0.5378	1.33567	64.4365
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	2.10425	90.1494	28934.6	6045.35	1784.63
Std Dev:	0.338852	11.349	133.076	56.9543	0.463059
%RSD:	16.1032	12.5891	0.459919	0.942118	0.0259471
Repeat:1	2.34385	98.1744	28840.5	6005.07	1784.3
Repeat:2	1.86464	82.1244	29028.7	6085.62	1784.95
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.217971	30576.8	195.572	38.1248	6.05744
Std Dev:	0.196003	46.2477	1.37117	2.38995	1.10369

%RSD:	89.9216	0.151251	0.701108	6.26877	18.2204
Repeat:1	-0.356567	30544.1	194.603	36.4348	6.83787
Repeat:2	-0.079376	30609.5	196.542	39.8147	5.27701
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	2.46536	-6.3771	10880.9	-0.0713894	64.8126
Std Dev:	1.48733	0.362897	10.7341	0.473117	0.495487
%RSD:	60.3292	5.69062	0.0986508	662.727	0.764492
Repeat:1	1.41366	-6.12049	10873.3	-0.405934	64.4622
Repeat:2	3.51706	-6.63371	10888.5	0.263155	65.1629
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	4.83925	-2.54181	1.78245	30.1418	375.112
Std Dev:	0.360999	1.05519	0.49618	0.201278	0.635653
%RSD:	7.45982	41.5132	27.837	0.667771	0.169457
Repeat:1	5.09451	-1.79568	1.43159	29.9995	375.562
Repeat:2	4.58398	-3.28794	2.1333	30.2842	374.663
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3545.93	3462.13	6121.53		
Std Dev:	4.45851	2.17241	53.5484		
%RSD:	0.125736	0.0627476	0.874755		
Repeat:1	3549.09	3463.67	6159.39		
Repeat:2	3542.78	3460.59	6083.67		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	375.112	3545.93	3462.13	6121.53
Std Dev:	0.635653	4.45851	2.17241	53.5484
%RSD:	0.169457	0.125736	0.0627476	0.874755
Repeat:1	375.562	3549.09	3463.67	6159.39
Repeat:2	374.663	3542.78	3460.59	6083.67

Sample Name	Acquisition date	Sample type	Correction factor
200-1636-d-5-a	9/25/2010 1:31:18PM	Unknown	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/1/2	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00282119	0.0387282	0.000806465	0.0230879	0.00338694
Std Dev:	0.000863237	0.00180506	0.000360738	0.000203161	0.000145211
%RSD:	30.5983	4.66085	44.7308	0.879943	4.28738
Repeat:1	-0.00221079	0.0400046	0.000551384	0.0229443	0.00348962
Repeat:2	-0.00343159	0.0374518	0.00106155	0.0232316	0.00328426
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.000358655	0.322616	-0.00303661	-0.00392971	0.0703498
Std Dev:	0.000169426	0.000501305	0.000213396	0.000840389	0.00025559
%RSD:	47.2392	0.155387	7.02743	21.3855	0.363313
Repeat:1	-0.000238853	0.322262	-0.00288572	-0.00452395	0.0705305
Repeat:2	-0.000478457	0.322971	-0.00318751	-0.00333546	0.070169
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0512762	-0.00748465	0.216718	0.207806	0.623479
Std Dev:	0.00572322	0.00231053	0.000478251	0.000964593	0.00249941

%RSD:	11.1615	30.8702	0.220679	0.464179	0.400881
Repeat:1	0.0472293	-0.00585086	0.21638	0.207124	0.621712
Repeat:2	0.0553231	-0.00911844	0.217056	0.208488	0.625246
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000105588	4.72417	0.0172247	0.00169939	-0.00654735
Std Dev:	0.000214816	0.0255972	2.03813e-005	2.95865e-005	0.00530604
%RSD:	203.448	0.541835	0.118326	1.74101	81.0411
Repeat:1	-4.63105e-005	4.70607	0.0172391	0.00167846	-0.00279541
Repeat:2	0.000257486	4.74227	0.0172102	0.00172031	-0.0102993
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000426102	0.0024298	6.68883	0.000394815	15.8129
Std Dev:	1.75371e-005	0.000133101	0.0150165	0.000310708	0.115696
%RSD:	4.11572	5.47786	0.224501	78.697	0.731657
Repeat:1	0.000438502	0.00252392	6.69945	0.000175111	15.7311
Repeat:2	0.000413701	0.00233569	6.67821	0.000614518	15.8947
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.013742	-0.00307338	0.000843299	0.0585814	375.865
Std Dev:	1.21832e-005	0.000571857	0.00339762	0.000366089	0.932458
%RSD:	0.0886572	18.6068	402.896	0.624924	0.248083
Repeat:1	-0.0137506	-0.00347775	0.00324578	0.0588403	375.205
Repeat:2	-0.0137333	-0.00266902	-0.00155918	0.0583225	376.524
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3564.24	3467.6	6104.76		
Std Dev:	29.0895	18.3876	26.5393		
%RSD:	0.816146	0.530268	0.43473		
Repeat:1	3543.68	3454.6	6123.53		
Repeat:2	3584.81	3480.6	6086		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00282119	0.0387282	0.000806465	0.0230879	0.00338694
Std Dev:	0.000863237	0.00180506	0.000360738	0.000203161	0.000145211
%RSD:	30.5983	4.66085	44.7308	0.879943	4.28738
Repeat:1	-0.00221079	0.0400046	0.000551384	0.0229443	0.00348962
Repeat:2	-0.00343159	0.0374518	0.00106155	0.0232316	0.00328426
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.000358655	0.322616	-0.00303661	-0.00392971	0.0703498
Std Dev:	0.000169426	0.000501305	0.000213396	0.000840389	0.00025559
%RSD:	47.2392	0.155387	7.02743	21.3855	0.363313
Repeat:1	-0.000238853	0.322262	-0.00288572	-0.00452395	0.0705305
Repeat:2	-0.000478457	0.322971	-0.00318751	-0.00333546	0.070169
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0512762	-0.00748465	0.216718	0.207806	0.623479
Std Dev:	0.00572322	0.00231053	0.000478251	0.000964593	0.00249941
%RSD:	11.1615	30.8702	0.220679	0.464179	0.400881
Repeat:1	0.0472293	-0.00585086	0.21638	0.207124	0.621712
Repeat:2	0.0553231	-0.00911844	0.217056	0.208488	0.625246
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000105588	4.72417	0.0172247	0.00169939	-0.00654735
Std Dev:	0.000214816	0.0255972	2.03813e-005	2.95865e-005	0.00530604
%RSD:	203.448	0.541835	0.118326	1.74101	81.0411
Repeat:1	-4.63105e-005	4.70607	0.0172391	0.00167846	-0.00279541
Repeat:2	0.000257486	4.74227	0.0172102	0.00172031	-0.0102993
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL

Avg. of Repeats:	0.000426102	0.0024298	6.68883	0.000394815	15.8129
Std Dev:	1.75371e-005	0.000133101	0.0150165	0.000310708	0.115696
%RSD:	4.11572	5.47786	0.224501	78.697	0.731657
Repeat:1	0.000438502	0.00252392	6.69945	0.000175111	15.7311
Repeat:2	0.000413701	0.00233569	6.67821	0.000614518	15.8947
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.013742	-0.00307338	0.000843299	0.0585814	375.865
Std Dev:	1.21832e-005	0.000571857	0.00339762	0.000366089	0.932458
%RSD:	0.0886572	18.6068	402.896	0.624924	0.248083
Repeat:1	-0.0137506	-0.00347775	0.00324578	0.0588403	375.205
Repeat:2	-0.0137333	-0.00266902	-0.00155918	0.0583225	376.524
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3564.24	3467.6	6104.76		
Std Dev:	29.0895	18.3876	26.5393		
%RSD:	0.816146	0.530268	0.43473		
Repeat:1	3543.68	3454.6	6123.53		
Repeat:2	3584.81	3480.6	6086		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.434504	813.101	0.136191	71.9546	39.448
Std Dev:	0.188328	36.3106	3.13463	0.626792	1.62578
%RSD:	43.3432	4.4657	2301.65	0.871094	4.12132
Repeat:1	0.567671	838.776	-2.08033	71.5114	40.5976
Repeat:2	0.301336	787.425	2.35271	72.3978	38.2984
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.225502	20399.4	0.461537	0.569956	46.7435
Std Dev:	0.0315709	31.6838	0.130384	0.853431	0.168647
%RSD:	14.0003	0.155317	28.2498	149.736	0.360793
Repeat:1	0.247826	20377	0.553732	-0.0335112	46.8627
Repeat:2	0.203178	20421.8	0.369342	1.17342	46.6242
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	1.31664	22.6821	7019.23	11165	25.5152
Std Dev:	0.82956	13.29	13.9721	51.9121	0.102089
%RSD:	63.0057	58.5925	0.199054	0.464952	0.400111
Repeat:1	0.730055	32.0796	7009.35	11128.3	25.443
Repeat:2	1.90323	13.2847	7029.11	11201.7	25.5874
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.773515	43983.7	23.3464	26.5099	2.97769
Std Dev:	0.251647	236.219	0.0346946	0.375112	1.82307
%RSD:	32.5329	0.53706	0.148608	1.41499	61.2243
Repeat:1	-0.951456	43816.6	23.3709	26.2446	4.2668
Repeat:2	-0.595573	44150.7	23.3218	26.7751	1.68859
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	2.1838	1.37072	7439.41	-0.1495	129.604
Std Dev:	0.108955	1.66725	16.8645	1.69858	0.948552
%RSD:	4.98925	121.633	0.226691	1136.18	0.731885
Repeat:1	2.26085	2.54965	7451.33	-1.35058	128.933
Repeat:2	2.10676	0.191798	7427.48	1.05158	130.275

Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	0.898407	-2.15281	1.39663	16.0973	375.865
Std Dev:	0.00193236	0.332678	0.94969	0.109289	0.932458
%RSD:	0.215087	15.4532	67.9987	0.67893	0.248083
Repeat:1	0.897041	-2.38805	2.06816	16.1745	375.205
Repeat:2	0.899774	-1.91757	0.725098	16.02	376.524

Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD
Units:	----	----	----
Avg. of Repeats:	3564.24	3467.6	6104.76
Std Dev:	29.0895	18.3876	26.5393
%RSD:	0.816146	0.530268	0.43473
Repeat:1	3543.68	3454.6	6123.53
Repeat:2	3584.81	3480.6	6086

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	375.865	3564.24	3467.6	6104.76
Std Dev:	0.932458	29.0895	18.3876	26.5393
%RSD:	0.248083	0.816146	0.530268	0.43473
Repeat:1	375.205	3543.68	3454.6	6123.53
Repeat:2	376.524	3584.81	3480.6	6086

Sample Name	Acquisition date	Sample type	Correction factor
200-1622-e-1-a	9/25/2010 1:35:10PM	Unknown	1.00

Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/2/2	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00619995	0.121583	0.00108385	0.038078	0.00797151
Std Dev:	0.0029606	0.00154181	0.000142764	0.000176318	0.000453921
%RSD:	47.752	1.26812	13.1719	0.463045	5.69428
Repeat:1	-0.00829341	0.120493	0.000982905	0.0379534	0.00829248
Repeat:2	-0.00410649	0.122673	0.0011848	0.0382027	0.00765054

Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.00133152	0.259084	-0.00386802	-0.00417507	0.0313116
Std Dev:	0.00134367	0.00109115	0.000199057	0.00042163	3.17285e-005
%RSD:	100.912	0.421159	5.14622	10.0987	0.101331
Repeat:1	0.00228164	0.258312	-0.00372727	-0.00387693	0.0312892
Repeat:2	0.000381405	0.259855	-0.00400878	-0.00447321	0.031334

Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.113498	-0.0102867	0.74631	0.161558	1.67739
Std Dev:	0.00387677	0.00165005	0.00167893	0.000624375	0.00156882
%RSD:	3.41573	16.0406	0.224965	0.386472	0.0935274
Repeat:1	0.110756	-0.00911995	0.747497	0.161116	1.6785
Repeat:2	0.116239	-0.0114535	0.745123	0.161999	1.67628

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000704321	2.73521	0.0380981	0.00738575	0.00274235
Std Dev:	1.08522e-005	0.00917159	0.000471283	1.62802e-005	0.00256393
%RSD:	1.5408	0.335315	1.23703	0.220427	93.4938
Repeat:1	0.000711994	2.72873	0.0377648	0.00737423	0.000929379
Repeat:2	0.000696647	2.7417	0.0384313	0.00739726	0.00455532

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
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Avg. of Repeats:	0.000340189	0.00198654	8.64142	0.00046164	11.0332
Std Dev:	4.14977e-005	1.10037e-005	0.0366173	0.000102199	0.0121987
%RSD:	12.1984	0.55391	0.423741	22.1382	0.110564
Repeat:1	0.000310845	0.00197876	8.66732	0.000533906	11.0245
Repeat:2	0.000369532	0.00199432	8.61553	0.000389375	11.0418
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0131019	-0.00233756	0.00281563	0.668659	379.481
Std Dev:	0.00167932	9.98497e-005	0.000446066	0.00145587	0.594156
%RSD:	12.8174	4.27154	15.8425	0.21773	0.156571
Repeat:1	-0.0142893	-0.00240816	0.00313104	0.66763	379.901
Repeat:2	-0.0119144	-0.00226695	0.00250021	0.669689	379.061
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3574.4	3474.23	6081.97		
Std Dev:	7.49533	0.506578	29.6156		
%RSD:	0.209695	0.014581	0.48694		
Repeat:1	3569.1	3473.87	6102.91		
Repeat:2	3579.7	3474.59	6061.03		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00619995	0.121583	0.00108385	0.038078	0.00797151
Std Dev:	0.0029606	0.00154181	0.000142764	0.000176318	0.000453921
%RSD:	47.752	1.26812	13.1719	0.463045	5.69428
Repeat:1	-0.00829341	0.120493	0.000982905	0.0379534	0.00829248
Repeat:2	-0.00410649	0.122673	0.0011848	0.0382027	0.00765054
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.00133152	0.259084	-0.00386802	-0.00417507	0.0313116
Std Dev:	0.00134367	0.00109115	0.000199057	0.00042163	3.17285e-005
%RSD:	100.912	0.421159	5.14622	10.0987	0.101331
Repeat:1	0.00228164	0.258312	-0.00372727	-0.00387693	0.0312892
Repeat:2	0.000381405	0.259855	-0.00400878	-0.00447321	0.031334
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.113498	-0.0102867	0.74631	0.161558	1.67739
Std Dev:	0.00387677	0.00165005	0.00167893	0.000624375	0.00156882
%RSD:	3.41573	16.0406	0.224965	0.386472	0.0935274
Repeat:1	0.110756	-0.00911995	0.747497	0.161116	1.6785
Repeat:2	0.116239	-0.0114535	0.745123	0.161999	1.67628
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000704321	2.73521	0.0380981	0.00738575	0.00274235
Std Dev:	1.08522e-005	0.00917159	0.000471283	1.62802e-005	0.00256393
%RSD:	1.5408	0.335315	1.23703	0.220427	93.4938
Repeat:1	0.000711994	2.72873	0.0377648	0.00737423	0.000929379
Repeat:2	0.000696647	2.7417	0.0384313	0.00739726	0.00455532
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000340189	0.00198654	8.64142	0.00046164	11.0332
Std Dev:	4.14977e-005	1.10037e-005	0.0366173	0.000102199	0.0121987
%RSD:	12.1984	0.55391	0.423741	22.1382	0.110564
Repeat:1	0.000310845	0.00197876	8.66732	0.000533906	11.0245
Repeat:2	0.000369532	0.00199432	8.61553	0.000389375	11.0418
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0131019	-0.00233756	0.00281563	0.668659	379.481
Std Dev:	0.00167932	9.98497e-005	0.000446066	0.00145587	0.594156
%RSD:	12.8174	4.27154	15.8425	0.21773	0.156571
Repeat:1	-0.0142893	-0.00240816	0.00313104	0.66763	379.901

Repeat:2	-0.0119144	-0.00226695	0.00250021	0.669689	379.061
Element/Wavelength	Y_HWAX	Y_LWAX	Y_HWRD		
Avg. of Repeats:	3574.4	3474.23	6081.97		
Std Dev:	7.49533	0.506578	29.6156		
%RSD:	0.209695	0.014581	0.48694		
Repeat:1	3569.1	3473.87	6102.91		
Repeat:2	3579.7	3474.59	6061.03		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.311136	2478.96	2.29895	118.981	90.7155
Std Dev:	0.645891	31.0202	1.24103	0.554047	5.07616
%RSD:	207.591	1.25134	53.9825	0.465661	5.59569
Repeat:1	-0.767849	2457.03	1.42141	118.589	94.3049
Repeat:2	0.145578	2500.9	3.17649	119.372	87.1261
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.542543	16383.9	-0.0126738	0.299418	20.9821
Std Dev:	0.251762	68.9637	0.115969	0.426655	0.0209224
%RSD:	46.4041	0.420923	915.028	142.495	0.0997157
Repeat:1	0.720565	16335.2	0.0693287	0.601108	20.9673
Repeat:2	0.36452	16432.7	-0.0946764	-0.0022732	20.9969
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	10.3322	6.62406	22491.2	8675.98	68.9999
Std Dev:	0.561978	9.43798	49.0499	33.6021	0.0652666
%RSD:	5.43909	142.48	0.218085	0.387301	0.0945894
Repeat:1	9.93483	13.2977	22525.9	8652.22	69.0461
Repeat:2	10.7296	-0.0496004	22456.5	8699.74	68.9538
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.0673457	25629	59.1014	98.5071	6.32534
Std Dev:	0.0127194	84.6381	0.807556	0.206099	0.886126
%RSD:	18.8868	0.330244	1.36639	0.209223	14.0092
Repeat:1	-0.0583516	25569.1	58.5304	98.3613	5.69875
Repeat:2	-0.0763397	25688.8	59.6724	98.6528	6.95192
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	1.91761	-4.27179	9632.55	0.215823	90.4167
Std Dev:	0.286825	0.1374	41.1282	0.558704	0.100013
%RSD:	14.9574	3.21645	0.426971	258.871	0.110613
Repeat:1	1.71479	-4.36895	9661.63	0.610886	90.346
Repeat:2	2.12043	-4.17463	9603.47	-0.17924	90.4874
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	1.00879	-1.79645	1.95367	197.551	379.481
Std Dev:	0.275932	0.0591778	0.125032	0.428911	0.594156
%RSD:	27.3528	3.29415	6.39984	0.217114	0.156571
Repeat:1	0.813676	-1.8383	2.04208	197.248	379.901
Repeat:2	1.2039	-1.75461	1.86526	197.855	379.061
Element/Wavelength	Y_HWAX	Y_LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3574.4	3474.23	6081.97		

Std Dev:	7.49533	0.506578	29.6156
%RSD:	0.209695	0.014581	0.48694
Repeat:1	3569.1	3473.87	6102.91
Repeat:2	3579.7	3474.59	6061.03

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Avg. of Repeats:	379.481	3574.4	3474.23	6081.97
Std Dev:	0.594156	7.49533	0.506578	29.6156
%RSD:	0.156571	0.209695	0.014581	0.48694
Repeat:1	379.901	3569.1	3473.87	6102.91
Repeat:2	379.061	3579.7	3474.59	6061.03

Sample Name	Acquisition date	Sample type	Correction factor
200-1622-e-1-aSD@5	9/25/2010 1:39:00PM	Unknown	1.00

Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/3/2	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00557812	0.0241764	0.000709314	0.00804317	0.00131862
Std Dev:	0.00449826	0.00138497	8.62135e-005	0.000196669	0.000562663
%RSD:	80.6411	5.7286	12.1545	2.44517	42.6706
Repeat:1	-0.00239737	0.0251557	0.000770276	0.00818223	0.00171648
Repeat:2	-0.00875887	0.023197	0.000648352	0.0079041	0.000920757

Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.00146852	0.0523551	-0.00437389	-0.00437182	0.00578922
Std Dev:	0.000852506	0.0001107	0.000244888	0.000440382	0.000180771
%RSD:	58.052	0.211441	5.59887	10.0732	3.12254
Repeat:1	-0.00207133	0.0522768	-0.00420072	-0.00468322	0.00591704
Repeat:2	-0.000865708	0.0524334	-0.00454705	-0.00406043	0.00566139

Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.058418	-0.0071564	0.13585	0.033295	0.341692
Std Dev:	0.00169798	0.000234471	0.00225369	0.000985256	0.00122866
%RSD:	2.90661	3.27639	1.65895	2.95917	0.359581
Repeat:1	0.0572173	-0.0069906	0.134257	0.0325983	0.340823
Repeat:2	0.0596186	-0.00732219	0.137444	0.0339917	0.342561

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000504703	0.53069	0.0108522	0.00128978	-0.00821765
Std Dev:	0.000110077	0.000442313	0.000320516	4.76903e-005	0.00285618
%RSD:	21.8102	0.0833468	2.95348	3.69756	34.7566
Repeat:1	0.000582539	0.531003	0.0110788	0.0013235	-0.0102373
Repeat:2	0.000426867	0.530377	0.0106255	0.00125606	-0.00619802

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.00027342	0.0023548	1.77073	0.000573861	2.22419
Std Dev:	4.56173e-005	4.19315e-005	0.00560334	0.000189952	0.0152406
%RSD:	16.6839	1.78068	0.316443	33.1008	0.685218
Repeat:1	0.000305676	0.00232515	1.76677	0.000439544	2.21342
Repeat:2	0.000241164	0.00238445	1.77469	0.000708177	2.23497

Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0179733	0.00160096	-0.00102866	0.135493	388.838
Std Dev:	0.00107614	0.00200987	0.00196514	0.000911093	0.581458
%RSD:	5.98745	125.542	191.039	0.672427	0.149537
Repeat:1	-0.0187343	0.00302215	-0.00241822	0.134849	388.427

Repeat:2	-0.0172124	0.000179761	0.000360904	0.136137	389.249
Element/Wavelength	Y_HWAX	Y_LWAX	Y_HWRD		
Avg. of Repeats:	3594.67	3490.51	6043.27		
Std Dev:	5.88106	2.21866	22.0971		
%RSD:	0.163605	0.0635627	0.365648		
Repeat:1	3590.51	3488.94	6058.9		
Repeat:2	3598.82	3492.08	6027.65		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00557812	0.0241764	0.000709314	0.00804317	0.00131862
Std Dev:	0.00449826	0.00138497	8.62135e-005	0.000196669	0.000562663
%RSD:	80.6411	5.7286	12.1545	2.44517	42.6706
Repeat:1	-0.00239737	0.0251557	0.000770276	0.00818223	0.00171648
Repeat:2	-0.00875887	0.023197	0.000648352	0.0079041	0.000920757

Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.00146852	0.0523551	-0.00437389	-0.00437182	0.00578922
Std Dev:	0.000852506	0.0001107	0.000244888	0.000440382	0.000180771
%RSD:	58.052	0.211441	5.59887	10.0732	3.12254
Repeat:1	-0.00207133	0.0522768	-0.00420072	-0.00468322	0.00591704
Repeat:2	-0.000865708	0.0524334	-0.00454705	-0.00406043	0.00566139

Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.058418	-0.0071564	0.13585	0.033295	0.341692
Std Dev:	0.00169798	0.000234471	0.00225369	0.000985256	0.00122866
%RSD:	2.90661	3.27639	1.65895	2.95917	0.359581
Repeat:1	0.0572173	-0.0069906	0.134257	0.0325983	0.340823
Repeat:2	0.0596186	-0.00732219	0.137444	0.0339917	0.342561

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000504703	0.53069	0.0108522	0.00128978	-0.00821765
Std Dev:	0.000110077	0.000442313	0.000320516	4.76903e-005	0.00285618
%RSD:	21.8102	0.0833468	2.95348	3.69756	34.7566
Repeat:1	0.000582539	0.531003	0.0110788	0.0013235	-0.0102373
Repeat:2	0.000426867	0.530377	0.0106255	0.00125606	-0.00619802

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.00027342	0.0023548	1.77073	0.000573861	2.22419
Std Dev:	4.56173e-005	4.19315e-005	0.00560334	0.000189952	0.0152406
%RSD:	16.6839	1.78068	0.316443	33.1008	0.685218
Repeat:1	0.000305676	0.00232515	1.76677	0.000439544	2.21342
Repeat:2	0.000241164	0.00238445	1.77469	0.000708177	2.23497

Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0179733	0.00160096	-0.00102866	0.135493	388.838
Std Dev:	0.00107614	0.00200987	0.00196514	0.000911093	0.581458
%RSD:	5.98745	125.542	191.039	0.672427	0.149537
Repeat:1	-0.0187343	0.00302215	-0.00241822	0.134849	388.427
Repeat:2	-0.0172124	0.000179761	0.000360904	0.136137	389.249

Element/Wavelength	Y_HWAX	Y_LWAX	Y_HWRD
Avg. of Repeats:	3594.67	3490.51	6043.27
Std Dev:	5.88106	2.21866	22.0971
%RSD:	0.163605	0.0635627	0.365648
Repeat:1	3590.51	3488.94	6058.9
Repeat:2	3598.82	3492.08	6027.65

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb

Avg. of Repeats:	-0.16475	518.009	-1.09523	24.7062	16.3182
Std Dev:	0.981236	27.8499	0.750292	0.611761	6.29076
%RSD:	595.591	5.37633	68.5054	2.47614	38.5505
Repeat:1	0.529089	537.702	-0.564695	25.1388	20.7665
Repeat:2	-0.858589	498.317	-1.62577	24.2736	11.87
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.016758	3318.15	-0.285215	0.133046	4.13946
Std Dev:	0.159969	6.99653	0.135006	0.44834	0.119313
%RSD:	954.585	0.210856	47.3347	336.982	2.88234
Repeat:1	-0.0963572	3313.2	-0.189752	-0.183978	4.22382
Repeat:2	0.129873	3323.1	-0.380678	0.45007	4.05509
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	2.35126	24.5882	4656.69	1773.01	14.069
Std Dev:	0.246088	1.37044	65.8413	53.0251	0.0496913
%RSD:	10.4663	5.57357	1.41391	2.99068	0.353197
Repeat:1	2.17725	25.5572	4610.13	1735.52	14.0339
Repeat:2	2.52527	23.6191	4703.24	1810.51	14.1042
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.307258	5284.98	12.4303	21.3247	2.38724
Std Dev:	0.128938	4.0818	0.548907	0.604076	0.9806
%RSD:	41.9641	0.0772339	4.41588	2.83275	41.0767
Repeat:1	-0.216085	5287.87	12.8185	21.7519	1.69385
Repeat:2	-0.398431	5282.1	12.0422	20.8976	3.08063
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	1.66596	0.44814	1915.52	0.829312	18.1951
Std Dev:	0.309639	0.526632	6.29235	1.03844	0.124952
%RSD:	18.5863	117.515	0.328493	125.217	0.686737
Repeat:1	1.8849	0.0757546	1911.07	0.0950267	18.1067
Repeat:2	1.44701	0.820525	1919.97	1.5636	18.2834
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	0.212053	0.597399	0.875821	39.322	388.838
Std Dev:	0.176902	1.16875	0.549446	0.272543	0.581458
%RSD:	83.4234	195.64	62.735	0.693105	0.149537
Repeat:1	0.0869646	1.42383	0.487304	39.1293	388.427
Repeat:2	0.337142	-0.229034	1.26434	39.5147	389.249
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3594.67	3490.51	6043.27		
Std Dev:	5.88106	2.21866	22.0971		
%RSD:	0.163605	0.0635627	0.365648		
Repeat:1	3590.51	3488.94	6058.9		
Repeat:2	3598.82	3492.08	6027.65		
Internal Standards					
Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD	
Avg. of Repeats:	388.838	3594.67	3490.51	6043.27	
Std Dev:	0.581458	5.88106	2.21866	22.0971	
%RSD:	0.149537	0.163605	0.0635627	0.365648	
Repeat:1	388.427	3590.51	3488.94	6058.9	

Repeat:2	389.249	3598.82	3492.08	6027.65

Sample Name	Acquisition date	Sample type	Correction factor
CCV	9/25/2010 1:42:53PM	QC	1.00

Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/4/2	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.438985	1.50893	0.0125173	0.228684	0.0170994
Std Dev:	0.00373681	0.00666169	0.000155556	0.000643657	0.000215842
%RSD:	0.85124	0.441484	1.24273	0.281461	1.26228
Repeat:1	0.436342	1.50422	0.0126273	0.228229	0.017252
Repeat:2	0.441627	1.51364	0.0124073	0.229139	0.0169468

Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.536358	0.475444	0.17393	0.186802	0.298301
Std Dev:	0.00253299	0.00267879	0.000609231	0.000292754	0.000435953
%RSD:	0.472256	0.563429	0.350273	0.156719	0.146145
Repeat:1	0.534567	0.473549	0.173499	0.187009	0.297992
Repeat:2	0.538149	0.477338	0.174361	0.186595	0.298609

Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	1.341	5.32703	1.01324	0.565254	4.67884
Std Dev:	0.00846346	0.010104	0.000586944	0.000605683	0.0120762
%RSD:	0.631131	0.189674	0.0579272	0.107152	0.258102
Repeat:1	1.33501	5.31989	1.01283	0.564826	4.6703
Repeat:2	1.34698	5.33418	1.01366	0.565682	4.68738

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.17205	3.24622	0.116353	0.0158582	1.1698
Std Dev:	0.000792328	0.00460184	0.000501888	0.000246609	0.00557455
%RSD:	0.460523	0.14176	0.431349	1.55508	0.47654
Repeat:1	0.17149	3.24948	0.115998	0.0160326	1.17374
Repeat:2	0.17261	3.24297	0.116708	0.0156839	1.16586

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.0445562	0.0104883	0.975597	0.0371275	35.6933
Std Dev:	0.000266133	0.000272403	0.00151648	0.000370581	0.329523
%RSD:	0.597297	2.5972	0.155441	0.998132	0.923205
Repeat:1	0.044368	0.0106809	0.976669	0.0373896	35.4603
Repeat:2	0.0447444	0.0102957	0.974525	0.0368655	35.9263

Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	2.418	0.177121	0.71876	0.69114	364.076
Std Dev:	0.00105575	0.00554223	0.00785613	1.88786e-005	0.726533
%RSD:	0.0436622	3.12907	1.09301	0.00273151	0.199555
Repeat:1	2.41726	0.18104	0.713204	0.691127	364.59
Repeat:2	2.41875	0.173202	0.724315	0.691154	363.562

Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	3515.8	3430.95	6033.64
Std Dev:	7.31366	3.74241	53.7878
%RSD:	0.208022	0.109078	0.891465
Repeat:1	3520.98	3433.59	6071.68
Repeat:2	3510.63	3428.3	5995.61

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.438985	1.50893	0.0125173	0.228684	0.0170994

Std Dev:	0.00373681	0.00666169	0.000155556	0.000643657	0.000215842
%RSD:	0.85124	0.441484	1.24273	0.281461	1.26228
Repeat:1	0.436342	1.50422	0.0126273	0.228229	0.017252
Repeat:2	0.441627	1.51364	0.0124073	0.229139	0.0169468
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.536358	0.475444	0.17393	0.186802	0.298301
Std Dev:	0.00253299	0.00267879	0.000609231	0.000292754	0.000435953
%RSD:	0.472256	0.563429	0.350273	0.156719	0.146145
Repeat:1	0.534567	0.473549	0.173499	0.187009	0.297992
Repeat:2	0.538149	0.477338	0.174361	0.186595	0.298609
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	1.341	5.32703	1.01324	0.565254	4.67884
Std Dev:	0.00846346	0.010104	0.000586944	0.000605683	0.0120762
%RSD:	0.631131	0.189674	0.0579272	0.107152	0.258102
Repeat:1	1.33501	5.31989	1.01283	0.564826	4.6703
Repeat:2	1.34698	5.33418	1.01366	0.565682	4.68738
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.17205	3.24622	0.116353	0.0158582	1.1698
Std Dev:	0.000792328	0.00460184	0.000501888	0.000246609	0.00557455
%RSD:	0.460523	0.14176	0.431349	1.55508	0.47654
Repeat:1	0.17149	3.24948	0.115998	0.0160326	1.17374
Repeat:2	0.17261	3.24297	0.116708	0.0156839	1.16586
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.0445562	0.0104883	0.975597	0.0371275	35.6933
Std Dev:	0.000266133	0.000272403	0.00151648	0.000370581	0.329523
%RSD:	0.597297	2.5972	0.155441	0.998132	0.923205
Repeat:1	0.044368	0.0106809	0.976669	0.0373896	35.4603
Repeat:2	0.0447444	0.0102957	0.974525	0.0368655	35.9263
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	2.418	0.177121	0.71876	0.69114	364.076
Std Dev:	0.00105575	0.00554223	0.00785613	1.88786e-005	0.726533
%RSD:	0.0436622	3.12907	1.09301	0.00273151	0.199555
Repeat:1	2.41726	0.18104	0.713204	0.691127	364.59
Repeat:2	2.41875	0.173202	0.724315	0.691154	363.562
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3515.8	3430.95	6033.64		
Std Dev:	7.31366	3.74241	53.7878		
%RSD:	0.208022	0.109078	0.891465		
Repeat:1	3520.98	3433.59	6071.68		
Repeat:2	3510.63	3428.3	5995.61		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	96.8472	30377.9	103.001	708.58	193.205
Std Dev:	0.815086	133.977	1.35109	1.98011	2.40902
%RSD:	0.841621	0.441033	1.31172	0.279448	1.24687
Repeat:1	96.2708	30283.2	103.957	707.18	194.909
Repeat:2	97.4235	30472.7	102.046	709.98	191.502
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	101.248	30058.4	99.4793	193.53	197.258
Std Dev:	0.474838	169.306	0.346575	0.295033	0.288139

%RSD:	0.468985	0.563257	0.348389	0.152449	0.146072
Repeat:1	100.912	29938.7	99.2343	193.738	197.054
Repeat:2	101.584	30178.1	99.7244	193.321	197.462
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	187.272	30598.4	30289.7	30413	192.324
Std Dev:	1.22442	57.9368	17.1475	32.6184	0.497171
%RSD:	0.65382	0.189346	0.0566118	0.107251	0.258508
Repeat:1	186.406	30557.5	30277.5	30389.9	191.972
Repeat:2	188.138	30639.4	30301.8	30436	192.675
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	200.66	30344.7	192.159	206.188	410.432
Std Dev:	0.928188	42.4672	0.85749	3.12045	1.90088
%RSD:	0.462567	0.139949	0.446241	1.5134	0.463143
Repeat:1	200.004	30374.8	191.552	208.395	411.776
Repeat:2	201.317	30314.7	192.765	203.982	409.088
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	311.196	100.097	1021.02	200.662	292.597
Std Dev:	1.85363	3.42228	1.70858	2.0259	2.70164
%RSD:	0.595648	3.41896	0.16734	1.00961	0.923332
Repeat:1	309.885	102.517	1022.23	202.094	290.687
Repeat:2	312.507	97.677	1019.82	199.229	294.508
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	400.345	101.586	202.606	201.243	364.076
Std Dev:	0.173022	3.22304	2.20444	0.00379706	0.726533
%RSD:	0.0432181	3.17271	1.08804	0.0018868	0.199555
Repeat:1	400.223	103.865	201.047	201.245	364.59
Repeat:2	400.468	99.3071	204.165	201.24	363.562
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	None
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3515.8	3430.95	6033.64		
Std Dev:	7.31366	3.74241	53.7878		
%RSD:	0.208022	0.109078	0.891465		
Repeat:1	3520.98	3433.59	6071.68		
Repeat:2	3510.63	3428.3	5995.61		
QC Status Pass/Fail:	None	None	None		
<u>Internal Standards</u>					
Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD	
Avg. of Repeats:	364.076	3515.8	3430.95	6033.64	
Std Dev:	0.726533	7.31366	3.74241	53.7878	
%RSD:	0.199555	0.208022	0.109078	0.891465	
Repeat:1	364.59	3520.98	3433.59	6071.68	
Repeat:2	363.562	3510.63	3428.3	5995.61	

**Autosampler Locations
(rack/row/col)**

2/5/2

Valid
Yes**Analyst Name**
admin**Method Name**
6010B (195)**RAW CTS/S**

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00741968	-0.00085485	0.000636965	0.000708211	-0.000293427
Std Dev:	0.000455286	0.00264205	0.000292938	0.000113316	0.000602611
%RSD:	6.1362	309.066	45.9896	16.0003	205.37
Repeat:1	-0.00709775	-0.00272306	0.000429827	0.000788337	0.000132683
Repeat:2	-0.00774162	0.00101336	0.000844103	0.000628084	-0.000719538
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.000778568	-0.000159098	-0.00419448	-0.00444192	-0.000704809
Std Dev:	0.000296118	9.6339e-005	0.000628179	0.000299017	0.000600551
%RSD:	38.0337	60.5533	14.9763	6.73171	85.2076
Repeat:1	-0.000569181	-0.00022722	-0.00463867	-0.00423048	-0.00112946
Repeat:2	-0.000987954	-9.0976e-005	-0.00375029	-0.00465335	-0.000280155
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.045629	-0.00726238	-0.0183039	0.000282019	0.00611324
Std Dev:	0.00404593	0.00156527	0.00181803	0.000405872	0.000968928
%RSD:	8.86701	21.5532	9.93245	143.916	15.8497
Repeat:1	0.0427681	-0.00836919	-0.0170184	-4.97562e-006	0.0054281
Repeat:2	0.0484899	-0.00615557	-0.0195894	0.000569014	0.00679837
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000603903	-0.0404766	0.00442196	-0.000283525	-0.00689461
Std Dev:	0.00026709	0.00161498	0.000111681	0.0001774	0.0034779
%RSD:	44.2274	3.98991	2.52561	62.5695	50.4437
Repeat:1	0.000792764	-0.0393346	0.00434298	-0.000158084	-0.00443536
Repeat:2	0.000415041	-0.0416186	0.00450093	-0.000408966	-0.00935386
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000319572	0.00257892	0.0695326	0.000722683	0.0185162
Std Dev:	0.00047336	0.000261152	0.00169408	7.61513e-008	0.00515234
%RSD:	148.124	10.1264	2.43638	0.0105373	27.8261
Repeat:1	-1.51449e-005	0.00276359	0.0707305	0.000722629	0.0221595
Repeat:2	0.000654288	0.00239426	0.0683347	0.000722737	0.0148729
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0189929	-0.00262234	-0.000268895	0.00303577	385.298
Std Dev:	0.00189411	0.00228003	0.00159566	0.000262323	0.824033
%RSD:	9.97275	86.9463	593.411	8.64106	0.213869
Repeat:1	-0.0176536	-0.00423457	-0.00139719	0.00285028	384.715
Repeat:2	-0.0203322	-0.00101012	0.000859404	0.00322126	385.881
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3574.76	3469.88	6037.47		
Std Dev:	2.9049	7.45764	11.4198		
%RSD:	0.0812615	0.214925	0.189148		
Repeat:1	3576.81	3464.6	6029.4		
Repeat:2	3572.7	3475.15	6045.55		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00741968	-0.00085485	0.000636965	0.000708211	-0.000293427
Std Dev:	0.000455286	0.00264205	0.000292938	0.000113316	0.000602611
%RSD:	6.1362	309.066	45.9896	16.0003	205.37
Repeat:1	-0.00709775	-0.00272306	0.000429827	0.000788337	0.000132683

Repeat:2	-0.00774162	0.00101336	0.000844103	0.000628084	-0.000719538
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.000778568	-0.000159098	-0.00419448	-0.00444192	-0.000704809
Std Dev:	0.000296118	9.6339e-005	0.000628179	0.000299017	0.000600551
%RSD:	38.0337	60.5533	14.9763	6.73171	85.2076
Repeat:1	-0.000569181	-0.00022722	-0.00463867	-0.00423048	-0.00112946
Repeat:2	-0.000987954	-9.0976e-005	-0.00375029	-0.00465335	-0.000280155
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.045629	-0.00726238	-0.0183039	0.000282019	0.00611324
Std Dev:	0.00404593	0.00156527	0.00181803	0.000405872	0.000968928
%RSD:	8.86701	21.5532	9.93245	143.916	15.8497
Repeat:1	0.0427681	-0.00836919	-0.0170184	-4.97562e-006	0.0054281
Repeat:2	0.0484899	-0.00615557	-0.0195894	0.000569014	0.00679837
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000603903	-0.0404766	0.00442196	-0.000283525	-0.00689461
Std Dev:	0.00026709	0.00161498	0.000111681	0.0001774	0.0034779
%RSD:	44.2274	3.98991	2.52561	62.5695	50.4437
Repeat:1	0.000792764	-0.0393346	0.00434298	-0.000158084	-0.00443536
Repeat:2	0.000415041	-0.0416186	0.00450093	-0.000408966	-0.00935386
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000319572	0.00257892	0.0695326	0.000722683	0.0185162
Std Dev:	0.00047336	0.000261152	0.00169408	7.61513e-008	0.00515234
%RSD:	148.124	10.1264	2.43638	0.0105373	27.8261
Repeat:1	-1.51449e-005	0.00276359	0.0707305	0.000722629	0.0221595
Repeat:2	0.000654288	0.00239426	0.0683347	0.000722737	0.0148729
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0189929	-0.00262234	-0.000268895	0.00303577	385.298
Std Dev:	0.00189411	0.00228003	0.00159566	0.000262323	0.824033
%RSD:	9.97275	86.9463	593.411	8.64106	0.213869
Repeat:1	-0.0176536	-0.00423457	-0.00139719	0.00285028	384.715
Repeat:2	-0.0203322	-0.00101012	0.000859404	0.00322126	385.881
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3574.76	3469.88	6037.47		
Std Dev:	2.9049	7.45764	11.4198		
%RSD:	0.0812615	0.214925	0.189148		
Repeat:1	3576.81	3464.6	6029.4		
Repeat:2	3572.7	3475.15	6045.55		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.563767	14.089	-1.75937	1.67556	-1.7078
Std Dev:	0.099379	53.1523	2.5499	0.342087	6.73768
%RSD:	17.6277	377.26	144.932	20.4162	394.523
Repeat:1	-0.493496	-23.4953	-3.56242	1.91746	3.05646
Repeat:2	-0.634039	51.6734	0.0436794	1.43367	-6.47206
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.145977	-0.879783	-0.182236	0.0701906	-0.14581
Std Dev:	0.0559464	6.08887	0.34411	0.301001	0.396241
%RSD:	38.3256	692.088	188.827	428.833	271.751
Repeat:1	0.185537	-5.18527	-0.425559	0.28303	-0.425995
Repeat:2	0.106417	3.4257	0.061087	-0.142649	0.134374

QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.498253	23.9823	153.087	-3.71539	0.26902
Std Dev:	0.586031	8.99026	53.1135	21.8422	0.0395453
%RSD:	117.617	37.487	34.6949	587.885	14.6998
Repeat:1	0.0838666	17.6253	190.644	-19.1602	0.241057
Repeat:2	0.912639	30.3394	115.53	11.7294	0.296983
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.192583	14.0843	1.41568	1.40516	2.79957
Std Dev:	0.312865	14.9035	0.191245	2.24673	1.19059
%RSD:	162.457	105.817	13.509	159.891	42.5278
Repeat:1	0.0286458	24.6226	1.28045	2.99384	3.64145
Repeat:2	-0.413812	3.54586	1.55091	-0.183514	1.95769
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	2.05198	3.28438	4.76644	1.6429	0.111466
Std Dev:	3.31791	3.27584	1.90318	0.000416306	0.0422423
%RSD:	161.693	99.7402	39.9287	0.0253398	37.8969
Repeat:1	-0.29414	5.60075	6.11219	1.6426	0.141336
Repeat:2	4.39809	0.968005	3.42069	1.64319	0.0815964
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	0.0453914	-1.8286	1.08948	0.0117942	385.298
Std Dev:	0.311178	1.32282	0.445024	0.0751364	0.824033
%RSD:	685.544	72.3402	40.8473	637.063	0.213869
Repeat:1	0.265428	-2.76398	0.774803	-0.0413353	384.715
Repeat:2	-0.174645	-0.893231	1.40416	0.0649236	385.881
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	None
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3574.76	3469.88	6037.47		
Std Dev:	2.9049	7.45764	11.4198		
%RSD:	0.0812615	0.214925	0.189148		
Repeat:1	3576.81	3464.6	6029.4		
Repeat:2	3572.7	3475.15	6045.55		
QC Status Pass/Fail:	None	None	None		
<u>Internal Standards</u>					
Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD	
Avg. of Repeats:	385.298	3574.76	3469.88	6037.47	
Std Dev:	0.824033	2.9049	7.45764	11.4198	
%RSD:	0.213869	0.0812615	0.214925	0.189148	
Repeat:1	384.715	3576.81	3464.6	6029.4	
Repeat:2	385.881	3572.7	3475.15	6045.55	

Sample Name	Acquisition date	Sample type	Correction factor
200-1622-e-2-a	9/25/2010 1:50:35PM	Unknown	1.00

Autosampler Locations
(rack/row/col)

Valid

Analyst Name
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Method Name

10/06/2010

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.000311407	0.0244074	0.000707003	0.0266602	0.00755686
Std Dev:	0.000234745	0.00117114	1.49002e-005	6.67332e-006	0.000377231
%RSD:	75.382	4.79831	2.10751	0.025031	4.9919
Repeat:1	-0.000477396	0.0252355	0.000696467	0.0266649	0.00782361
Repeat:2	-0.000145417	0.0235793	0.000717539	0.0266554	0.00729012
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.00038364	0.225815	-0.00407074	-0.00410616	0.00199411
Std Dev:	0.000416819	0.00100989	0.00070342	4.00188e-005	0.000553301
%RSD:	108.648	0.447221	17.2799	0.974605	27.7468
Repeat:1	-8.89046e-005	0.225101	-0.00456813	-0.00407786	0.00160287
Repeat:2	-0.000678376	0.226529	-0.00357334	-0.00413446	0.00238535
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0823496	-0.00710839	0.0880451	0.141523	0.195749
Std Dev:	0.00665659	0.000671181	0.00198172	0.000516389	0.00060259
%RSD:	8.08334	9.44209	2.2508	0.36488	0.307838
Repeat:1	0.0776426	-0.00758299	0.0894464	0.141888	0.196175
Repeat:2	0.0870565	-0.0066338	0.0866438	0.141158	0.195323
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	9.45852e-005	2.02082	0.0113571	0.00118143	0.00369292
Std Dev:	0.000210745	0.00982554	0.000371501	7.15377e-005	0.000308421
%RSD:	222.81	0.486215	3.27108	6.0552	8.35168
Repeat:1	-5.4434e-005	2.02777	0.0110944	0.00123201	0.00391101
Repeat:2	0.000243604	2.01387	0.0116198	0.00113084	0.00347484
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000163109	0.0025165	6.80244	0.000472179	11.3005
Std Dev:	0.000117019	0.000104393	0.0176513	0.00020544	0.0520133
%RSD:	71.7427	4.14836	0.259484	43.509	0.460274
Repeat:1	0.000245854	0.00244268	6.78996	0.000617447	11.3373
Repeat:2	8.03643e-005	0.00259031	6.81492	0.000326911	11.2637
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0152594	-0.00150396	-0.00100029	0.715159	380.787
Std Dev:	0.00154105	0.00177458	0.000348099	0.000699082	0.636388
%RSD:	10.0991	117.994	34.7998	0.097752	0.167124
Repeat:1	-0.0141697	-0.00275878	-0.000754148	0.714665	380.337
Repeat:2	-0.0163491	-0.000249139	-0.00124643	0.715654	381.237
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3608.94	3474.26	6083.82		
Std Dev:	2.15495	12.9817	21.8484		
%RSD:	0.0597115	0.373653	0.359124		
Repeat:1	3610.46	3465.08	6068.37		
Repeat:2	3607.41	3483.44	6099.27		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.000311407	0.0244074	0.000707003	0.0266602	0.00755686
Std Dev:	0.000234745	0.00117114	1.49002e-005	6.67332e-006	0.000377231
%RSD:	75.382	4.79831	2.10751	0.025031	4.9919
Repeat:1	-0.000477396	0.0252355	0.000696467	0.0266649	0.00782361
Repeat:2	-0.000145417	0.0235793	0.000717539	0.0266554	0.00729012
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.00038364	0.225815	-0.00407074	-0.00410616	0.00199411

Std Dev:	0.000416819	0.00100989	0.00070342	4.00188e-005	0.000553301
%RSD:	108.648	0.447221	17.2799	0.974605	27.7468
Repeat:1	-8.89046e-005	0.225101	-0.00456813	-0.00407786	0.00160287
Repeat:2	-0.000678376	0.226529	-0.00357334	-0.00413446	0.00238535
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0823496	-0.00710839	0.0880451	0.141523	0.195749
Std Dev:	0.00665659	0.000671181	0.00198172	0.000516389	0.00060259
%RSD:	8.08334	9.44209	2.2508	0.36488	0.307838
Repeat:1	0.0776426	-0.00758299	0.0894464	0.141888	0.196175
Repeat:2	0.0870565	-0.0066338	0.0866438	0.141158	0.195323
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	9.45852e-005	2.02082	0.0113571	0.00118143	0.00369292
Std Dev:	0.000210745	0.00982554	0.000371501	7.15377e-005	0.000308421
%RSD:	222.81	0.486215	3.27108	6.0552	8.35168
Repeat:1	-5.4434e-005	2.02777	0.0110944	0.00123201	0.00391101
Repeat:2	0.000243604	2.01387	0.0116198	0.00113084	0.00347484
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000163109	0.0025165	6.80244	0.000472179	11.3005
Std Dev:	0.000117019	0.000104393	0.0176513	0.00020544	0.0520133
%RSD:	71.7427	4.14836	0.259484	43.509	0.460274
Repeat:1	0.000245854	0.00244268	6.78996	0.000617447	11.3373
Repeat:2	8.03643e-005	0.00259031	6.81492	0.000326911	11.2637
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0152594	-0.00150396	-0.00100029	0.715159	380.787
Std Dev:	0.00154105	0.00177458	0.000348099	0.000699082	0.636388
%RSD:	10.0991	117.994	34.7998	0.097752	0.167124
Repeat:1	-0.0141697	-0.00275878	-0.000754148	0.714665	380.337
Repeat:2	-0.0163491	-0.000249139	-0.00124643	0.715654	381.237
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3608.94	3474.26	6083.82		
Std Dev:	2.15495	12.9817	21.8484		
%RSD:	0.0597115	0.373653	0.359124		
Repeat:1	3610.46	3465.08	6068.37		
Repeat:2	3607.41	3483.44	6099.27		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.985429	524.212	-1.13804	83.1691	86.0765
Std Dev:	0.0511683	23.5554	0.132952	0.0317036	4.21853
%RSD:	5.19249	4.49349	11.6826	0.0381194	4.90091
Repeat:1	0.949248	540.868	-1.23205	83.1915	89.0595
Repeat:2	1.02161	507.555	-1.04403	83.1467	83.0936
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.220698	14281.3	-0.114838	0.377247	1.63579
Std Dev:	0.0784135	63.8278	0.394558	0.0383588	0.365217
%RSD:	35.5298	0.446933	343.579	10.1681	22.3266
Repeat:1	0.276145	14236.2	-0.393832	0.404371	1.37754
Repeat:2	0.165251	14326.4	0.164157	0.350123	1.89404
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	5.81881	24.8524	3260.06	7597.75	7.94902
Std Dev:	0.964312	3.85002	57.8958	27.79	0.0243388

%RSD:	16.5723	15.4916	1.77591	0.365766	0.306187
Repeat:1	5.13694	22.13	3301	7617.4	7.96623
Repeat:2	6.50068	27.5748	3219.13	7578.1	7.93181
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.788347	19036.4	13.2956	19.9519	6.49512
Std Dev:	0.246864	90.673	0.636097	0.905246	0.103897
%RSD:	31.3141	0.476315	4.78427	4.53714	1.59962
Repeat:1	-0.962906	19100.5	12.8458	20.592	6.56858
Repeat:2	-0.613788	18972.2	13.7454	19.3118	6.42165
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.918369	2.48021	7567.05	0.273436	92.6085
Std Dev:	0.834677	1.30923	19.8258	1.12311	0.426439
%RSD:	90.8869	52.787	0.262002	410.739	0.460475
Repeat:1	1.50858	1.55445	7553.03	1.06759	92.9101
Repeat:2	0.328163	3.40598	7581.07	-0.52072	92.307
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	0.658722	-1.19346	0.880374	211.654	380.787
Std Dev:	0.253394	1.03033	0.0958251	0.205583	0.636388
%RSD:	38.4676	86.3315	10.8846	0.0971316	0.167124
Repeat:1	0.837899	-1.92201	0.948133	211.509	380.337
Repeat:2	0.479545	-0.464904	0.812616	211.799	381.237
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3608.94	3474.26	6083.82		
Std Dev:	2.15495	12.9817	21.8484		
%RSD:	0.0597115	0.373653	0.359124		
Repeat:1	3610.46	3465.08	6068.37		
Repeat:2	3607.41	3483.44	6099.27		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	380.787	3608.94	3474.26	6083.82
Std Dev:	0.636388	2.15495	12.9817	21.8484
%RSD:	0.167124	0.0597115	0.373653	0.359124
Repeat:1	380.337	3610.46	3465.08	6068.37
Repeat:2	381.237	3607.41	3483.44	6099.27

Sample Name	Acquisition date	Sample type	Correction factor
200-1622-e-3-a	9/25/2010 1:54:28PM	Unknown	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/7/2	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00337529	0.0681872	0.000781407	0.0305263	0.00673362
Std Dev:	0.00202509	0.000643131	0.000216625	2.01827e-005	0.00027344
%RSD:	59.9976	0.943184	27.7224	0.0661157	4.06082
Repeat:1	-0.00194333	0.0677324	0.00062823	0.030512	0.00654027
Repeat:2	-0.00480724	0.0686419	0.000934583	0.0305406	0.00692697
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.00014945	0.224632	-0.00390805	-0.00373397	0.0156454

Std Dev:	0.00037682	0.00131537	0.000374207	0.000255514	3.84086e-005
%RSD:	252.138	0.585567	9.57528	6.84295	0.245494
Repeat:1	0.000415902	0.223702	-0.00364345	-0.00355329	0.0156726
Repeat:2	-0.000117002	0.225562	-0.00417266	-0.00391464	0.0156183
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.218404	-0.00750095	0.397498	0.140535	0.889861
Std Dev:	0.00714314	0.0026281	0.00227775	0.000516062	0.00502873
%RSD:	3.27061	35.0369	0.573022	0.367211	0.565114
Repeat:1	0.223455	-0.0056426	0.399109	0.14017	0.886305
Repeat:2	0.213353	-0.0093593	0.395887	0.1409	0.893416
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000539485	2.20999	0.0268954	0.00389124	-0.00108889
Std Dev:	0.000336992	0.00519768	0.000691731	3.43123e-005	0.00402982
%RSD:	62.4656	0.23519	2.57193	0.881784	370.085
Repeat:1	0.000777775	2.21367	0.0273845	0.00386698	0.00176062
Repeat:2	0.000301195	2.20631	0.0264063	0.0039155	-0.00393841
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000178523	0.00264312	7.11004	0.000263026	10.1722
Std Dev:	0.000253483	0.00010123	0.00837909	0.000127501	0.0716374
%RSD:	141.989	3.82994	0.117849	48.4746	0.704249
Repeat:1	0.000357762	0.0027147	7.10411	0.000353183	10.1215
Repeat:2	-7.16705e-007	0.00257154	7.11596	0.000172869	10.2228
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.011945	-0.000600044	0.000529448	0.710292	384.422
Std Dev:	6.93032e-005	0.000320246	7.57331e-005	0.00163041	4.81853
%RSD:	0.580188	53.3704	14.3042	0.229541	1.25345
Repeat:1	-0.011896	-0.000373596	0.000582999	0.709139	387.829
Repeat:2	-0.011994	-0.000826492	0.000475897	0.711445	381.015
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3609.78	3489.23	6105.55		
Std Dev:	10.9177	2.95935	31.1414		
%RSD:	0.302448	0.0848137	0.510051		
Repeat:1	3602.06	3491.32	6127.57		
Repeat:2	3617.5	3487.14	6083.53		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00337529	0.0681872	0.000781407	0.0305263	0.00673362
Std Dev:	0.00202509	0.000643131	0.000216625	2.01827e-005	0.00027344
%RSD:	59.9976	0.943184	27.7224	0.0661157	4.06082
Repeat:1	-0.00194333	0.0677324	0.00062823	0.030512	0.00654027
Repeat:2	-0.00480724	0.0686419	0.000934583	0.0305406	0.00692697
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.00014945	0.224632	-0.00390805	-0.00373397	0.0156454
Std Dev:	0.00037682	0.00131537	0.000374207	0.000255514	3.84086e-005
%RSD:	252.138	0.585567	9.57528	6.84295	0.245494
Repeat:1	0.000415902	0.223702	-0.00364345	-0.00355329	0.0156726
Repeat:2	-0.000117002	0.225562	-0.00417266	-0.00391464	0.0156183
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.218404	-0.00750095	0.397498	0.140535	0.889861
Std Dev:	0.00714314	0.0026281	0.00227775	0.000516062	0.00502873
%RSD:	3.27061	35.0369	0.573022	0.367211	0.565114
Repeat:1	0.223455	-0.0056426	0.399109	0.14017	0.886305
Repeat:2	0.213353	-0.0093593	0.395887	0.1409	0.893416

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000539485	2.20999	0.0268954	0.00389124	-0.00108889
Std Dev:	0.000336992	0.00519768	0.000691731	3.43123e-005	0.00402982
%RSD:	62.4656	0.23519	2.57193	0.881784	370.085
Repeat:1	0.000777775	2.21367	0.0273845	0.00386698	0.00176062
Repeat:2	0.000301195	2.20631	0.0264063	0.0039155	-0.00393841
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000178523	0.00264312	7.11004	0.000263026	10.1722
Std Dev:	0.000253483	0.00010123	0.00837909	0.000127501	0.0716374
%RSD:	141.989	3.82994	0.117849	48.4746	0.704249
Repeat:1	0.000357762	0.0027147	7.10411	0.000353183	10.1215
Repeat:2	-7.16705e-007	0.00257154	7.11596	0.000172869	10.2228
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.011945	-0.000600044	0.000529448	0.710292	384.422
Std Dev:	6.93032e-005	0.000320246	7.57331e-005	0.00163041	4.81853
%RSD:	0.580188	53.3704	14.3042	0.229541	1.25345
Repeat:1	-0.011896	-0.000373596	0.000582999	0.709139	387.829
Repeat:2	-0.011994	-0.000826492	0.000475897	0.711445	381.015
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3609.78	3489.23	6105.55		
Std Dev:	10.9177	2.95935	31.1414		
%RSD:	0.302448	0.0848137	0.510051		
Repeat:1	3602.06	3491.32	6127.57		
Repeat:2	3617.5	3487.14	6083.53		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.311498	1404.72	-0.416126	95.2827	76.8716
Std Dev:	0.4418	12.9613	1.88299	0.080429	3.05766
%RSD:	141.831	0.922699	452.504	0.0844109	3.97762
Repeat:1	0.623898	1395.55	-1.7476	95.2259	74.7095
Repeat:2	-0.00090174	1413.88	0.915349	95.3396	79.0337
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.321128	14206.5	-0.0259442	0.753699	10.6448
Std Dev:	0.0706925	83.1346	0.216499	0.260681	0.0256305
%RSD:	22.0139	0.585188	834.477	34.5869	0.24078
Repeat:1	0.371115	14147.7	0.127144	0.938028	10.6629
Repeat:2	0.27114	14265.3	-0.179032	0.569369	10.6267
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	25.5318	22.5773	12300.7	7544.59	36.5599
Std Dev:	1.03446	15.0538	66.5443	27.7675	0.206776
%RSD:	4.05164	66.6769	0.54098	0.368046	0.565582
Repeat:1	26.2633	33.2219	12347.8	7524.96	36.4137
Repeat:2	24.8003	11.9326	12253.6	7564.22	36.7061
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.264025	20782.1	39.9115	54.2623	4.98731
Std Dev:	0.39473	47.9658	1.18422	0.433627	1.38892
%RSD:	149.505	0.230804	2.96712	0.799131	27.8492
Repeat:1	0.0150911	20816	40.7489	53.9557	5.96943
Repeat:2	-0.543141	20748.2	39.0741	54.5689	4.00519

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.904387	4.01775	7912.53	-0.869967	83.3577
Std Dev:	1.78477	1.26888	9.41155	0.697024	0.58733
%RSD:	197.346	31.5819	0.118945	80.1208	0.70459
Repeat:1	2.16641	4.91498	7905.88	-0.377096	82.9424
Repeat:2	-0.357639	3.12051	7919.19	-1.36284	83.7731
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	1.20117	-0.724698	1.31161	210.072	384.422
Std Dev:	0.0112163	0.185842	0.0232796	0.490793	4.81853
%RSD:	0.933784	25.644	1.77489	0.23363	1.25345
Repeat:1	1.2091	-0.593288	1.32807	209.725	387.829
Repeat:2	1.19324	-0.856108	1.29515	210.419	381.015
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3609.78	3489.23	6105.55		
Std Dev:	10.9177	2.95935	31.1414		
%RSD:	0.302448	0.0848137	0.510051		
Repeat:1	3602.06	3491.32	6127.57		
Repeat:2	3617.5	3487.14	6083.53		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	384.422	3609.78	3489.23	6105.55
Std Dev:	4.81853	10.9177	2.95935	31.1414
%RSD:	1.25345	0.302448	0.0848137	0.510051
Repeat:1	387.829	3602.06	3491.32	6127.57
Repeat:2	381.015	3617.5	3487.14	6083.53

Sample Name	Acquisition date	Sample type	Correction factor
200-1622-a-4-a	9/25/2010 1:58:18PM	Unknown	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/8/2	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.000846032	0.0711014	0.000641839	0.0322745	0.00732627
Std Dev:	0.00342994	0.0013958	0.000476586	0.000184092	1.72137e-005
%RSD:	405.415	1.96312	74.2533	0.570396	0.234958
Repeat:1	-0.00327137	0.0701144	0.000978836	0.0324046	0.0073141
Repeat:2	0.0015793	0.0720884	0.000304841	0.0321443	0.00733844
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.00090197	0.241161	-0.00333234	-0.00378173	0.0169464
Std Dev:	0.000217466	0.00244825	7.56787e-005	0.000430326	0.000101279
%RSD:	24.1101	1.0152	2.27104	11.3791	0.597646
Repeat:1	-0.00105574	0.23943	-0.00338586	-0.00347744	0.017018
Repeat:2	-0.000748198	0.242892	-0.00327883	-0.00408602	0.0168748
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0539206	-0.00834177	0.422986	0.150633	0.946097
Std Dev:	0.00117179	0.0025344	0.000157488	0.000498538	0.00112278
%RSD:	2.17318	30.382	0.0372325	0.330962	0.118675
Repeat:1	0.053092	-0.00654968	0.423098	0.15028	0.946891
Repeat:2	0.0547492	-0.0101339	0.422875	0.150985	0.945303

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000278176	2.38397	0.024905	0.00408725	-0.00134325
Std Dev:	0.000115886	0.00846816	0.000182765	0.000156383	0.0135937
%RSD:	41.6593	0.355213	0.733848	3.82612	1012.01
Repeat:1	0.000196232	2.38995	0.0247757	0.00419783	0.00826898
Repeat:2	0.00036012	2.37798	0.0250342	0.00397667	-0.0109555
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	8.19239e-005	0.00232985	7.68289	0.000366078	10.9623
Std Dev:	0.00022313	4.2654e-005	0.000497922	3.35728e-005	0.0739326
%RSD:	272.362	1.83076	0.00648092	9.17096	0.674426
Repeat:1	0.0002397	0.00229969	7.68253	0.000389817	10.91
Repeat:2	-7.58525e-005	0.00236001	7.68324	0.000342338	11.0146
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0130757	-0.00245751	-0.000239745	0.693517	380.405
Std Dev:	0.00253022	0.00163758	0.000466397	0.00218037	0.535128
%RSD:	19.3506	66.636	194.539	0.314394	0.140673
Repeat:1	-0.0112866	-0.00361545	-0.000569537	0.691975	380.027
Repeat:2	-0.0148648	-0.00129956	9.0048e-005	0.695059	380.784
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3601.06	3491.95	6115.56		
Std Dev:	6.90575	0.882627	27.945		
%RSD:	0.19177	0.025276	0.456949		
Repeat:1	3596.18	3491.33	6135.32		
Repeat:2	3605.94	3492.57	6095.8		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.000846032	0.0711014	0.000641839	0.0322745	0.00732627
Std Dev:	0.00342994	0.0013958	0.000476586	0.000184092	1.72137e-005
%RSD:	405.415	1.96312	74.2533	0.570396	0.234958
Repeat:1	-0.00327137	0.0701144	0.000978836	0.0324046	0.0073141
Repeat:2	0.0015793	0.0720884	0.000304841	0.0321443	0.00733844
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.00090197	0.241161	-0.00333234	-0.00378173	0.0169464
Std Dev:	0.000217466	0.00244825	7.56787e-005	0.000430326	0.000101279
%RSD:	24.1101	1.0152	2.27104	11.3791	0.597646
Repeat:1	-0.00105574	0.23943	-0.00338586	-0.00347744	0.017018
Repeat:2	-0.000748198	0.242892	-0.00327883	-0.00408602	0.0168748
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0539206	-0.00834177	0.422986	0.150633	0.946097
Std Dev:	0.00117179	0.0025344	0.000157488	0.000498538	0.00112278
%RSD:	2.17318	30.382	0.0372325	0.330962	0.118675
Repeat:1	0.053092	-0.00654968	0.423098	0.15028	0.946891
Repeat:2	0.0547492	-0.0101339	0.422875	0.150985	0.945303
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000278176	2.38397	0.024905	0.00408725	-0.00134325
Std Dev:	0.000115886	0.00846816	0.000182765	0.000156383	0.0135937
%RSD:	41.6593	0.355213	0.733848	3.82612	1012.01
Repeat:1	0.000196232	2.38995	0.0247757	0.00419783	0.00826898
Repeat:2	0.00036012	2.37798	0.0250342	0.00397667	-0.0109555
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	8.19239e-005	0.00232985	7.68289	0.000366078	10.9623
Std Dev:	0.00022313	4.2654e-005	0.000497922	3.35728e-005	0.0739326
%RSD:	272.362	1.83076	0.00648092	9.17096	0.674426

Repeat:1	0.0002397	0.00229969	7.68253	0.000389817	10.91
Repeat:2	-7.58525e-005	0.00236001	7.68324	0.000342338	11.0146
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0130757	-0.00245751	-0.000239745	0.693517	380.405
Std Dev:	0.00253022	0.00163758	0.000466397	0.00218037	0.535128
%RSD:	19.3506	66.636	194.539	0.314394	0.140673
Repeat:1	-0.0112866	-0.00361545	-0.000569537	0.691975	380.027
Repeat:2	-0.0148648	-0.00129956	9.0048e-005	0.695059	380.784
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3601.06	3491.95	6115.56		
Std Dev:	6.90575	0.882627	27.945		
%RSD:	0.19177	0.025276	0.456949		
Repeat:1	3596.18	3491.33	6135.32		
Repeat:2	3605.94	3492.57	6095.8		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.862744	1463.49	-1.62193	100.784	83.4984
Std Dev:	0.74815	28.0897	4.14396	0.58381	0.192762
%RSD:	86.7174	1.91936	255.495	0.57927	0.230858
Repeat:1	0.333723	1443.63	1.30829	101.197	83.3621
Repeat:2	1.39177	1483.35	-4.55216	100.371	83.6347
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.123762	15251.1	0.301429	0.703377	11.5025
Std Dev:	0.0403637	154.736	0.0564996	0.435578	0.0667471
%RSD:	32.6139	1.01459	18.7439	61.9266	0.580284
Repeat:1	0.095221	15141.7	0.261478	1.01138	11.5497
Repeat:2	0.152304	15360.6	0.34138	0.395377	11.4553
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	1.69988	17.761	13045.3	8088.03	38.8681
Std Dev:	0.170164	14.5101	4.60101	26.8265	0.0467603
%RSD:	10.0104	81.6965	0.0352694	0.331682	0.120305
Repeat:1	1.57956	28.0213	13048.6	8069.06	38.9011
Repeat:2	1.8202	7.50082	13042.1	8107	38.835
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.569866	22387.6	36.5023	56.7434	4.81566
Std Dev:	0.135744	78.1468	0.313391	1.97971	4.67042
%RSD:	23.8203	0.349063	0.858552	3.48888	96.9839
Repeat:1	-0.665852	22442.8	36.2807	58.1433	8.11815
Repeat:2	-0.473881	22332.3	36.7239	55.3435	1.51318
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.218631	0.0871368	8555.94	-0.306601	89.8359
Std Dev:	1.56572	0.534379	0.559781	0.183537	0.606149
%RSD:	716.145	613.264	0.0065426	59.8617	0.674729
Repeat:1	1.32576	-0.290726	8555.55	-0.176821	89.4073
Repeat:2	-0.888499	0.465	8556.34	-0.436381	90.2645
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	1.01532	-1.80709	1.09458	205.082	380.405

Std Dev:	0.415787	0.950989	0.132193	0.646911	0.535128
%RSD:	40.9512	52.6253	12.0771	0.31544	0.140673
Repeat:1	1.30933	-2.47955	1.0011	204.625	380.027
Repeat:2	0.721317	-1.13464	1.18805	205.54	380.784
Element/Wavelength	Y_HWAX	Y_LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3601.06	3491.95	6115.56		
Std Dev:	6.90575	0.882627	27.945		
%RSD:	0.19177	0.025276	0.456949		
Repeat:1	3596.18	3491.33	6135.32		
Repeat:2	3605.94	3492.57	6095.8		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Avg. of Repeats:	380.405	3601.06	3491.95	6115.56
Std Dev:	0.535128	6.90575	0.882627	27.945
%RSD:	0.140673	0.19177	0.025276	0.456949
Repeat:1	380.027	3596.18	3491.33	6135.32
Repeat:2	380.784	3605.94	3492.57	6095.8

Sample Name	Acquisition date	Sample type	Correction factor
200-1622-e-5-a	9/25/2010 2:02:09PM	Unknown	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/9/2	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00205212	0.0629072	0.000845618	0.0316494	0.0074903
Std Dev:	0.00355532	0.00162126	0.000215618	0.000526126	0.000312288
%RSD:	173.251	2.57723	25.4982	1.66236	4.16924
Repeat:1	0.000461868	0.0640536	0.000998083	0.0312774	0.00726948
Repeat:2	-0.00456612	0.0617608	0.000693153	0.0320215	0.00771112
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	3.0898e-005	0.236053	-0.0031969	-0.00433145	0.0171949
Std Dev:	0.00162531	0.000455436	0.000110904	0.00047756	5.45465e-005
%RSD:	5260.24	0.192938	3.46913	11.0254	0.317225
Repeat:1	0.00118016	0.236375	-0.00327532	-0.00399376	0.0172335
Repeat:2	-0.00111837	0.235731	-0.00311847	-0.00466914	0.0171563
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.090498	-0.00275975	0.413043	0.147667	0.928017
Std Dev:	0.0026898	0.000727878	0.0033279	0.000237423	0.00288544
%RSD:	2.97222	26.3748	0.805703	0.160783	0.310925
Repeat:1	0.088596	-0.00327444	0.415396	0.147835	0.925977
Repeat:2	0.0923999	-0.00224506	0.41069	0.147499	0.930058
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000677053	2.33454	0.0245272	0.00363741	-0.00587934
Std Dev:	7.88572e-005	0.0070163	0.000356346	2.22588e-006	0.00301262
%RSD:	11.6471	0.300543	1.45286	0.061194	51.2407
Repeat:1	0.000621292	2.3395	0.0242752	0.00363899	-0.00800958
Repeat:2	0.000732813	2.32958	0.0247792	0.00363584	-0.0037491
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000176356	0.00206201	7.49357	0.000419642	10.8181
Std Dev:	7.39816e-005	0.000426049	0.00253869	8.60531e-005	0.0486116
%RSD:	41.9501	20.6618	0.0338782	20.5063	0.449356

Repeat:1	0.000124043	0.00236328	7.49178	0.000358794	10.8524
Repeat:2	0.000228669	0.00176075	7.49537	0.000480491	10.7837
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0134796	-0.0037931	0.000929133	0.685168	381.428
Std Dev:	0.00337692	3.7563e-005	0.00134324	0.000874622	0.820642
%RSD:	25.0521	0.990299	144.569	0.127651	0.21515
Repeat:1	-0.0110917	-0.00381966	-2.06807e-005	0.684549	380.848
Repeat:2	-0.0158674	-0.00376654	0.00187895	0.685786	382.008
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3618.29	3490.85	6122.86		
Std Dev:	1.99242	6.87352	36.3025		
%RSD:	0.0550652	0.196901	0.592901		
Repeat:1	3619.7	3485.99	6097.19		
Repeat:2	3616.88	3495.71	6148.53		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00205212	0.0629072	0.000845618	0.0316494	0.0074903
Std Dev:	0.00355532	0.00162126	0.000215618	0.000526126	0.000312288
%RSD:	173.251	2.57723	25.4982	1.66236	4.16924
Repeat:1	0.000461868	0.0640536	0.000998083	0.0312774	0.00726948
Repeat:2	-0.00456612	0.0617608	0.000693153	0.0320215	0.00771112
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	3.0898e-005	0.236053	-0.0031969	-0.00433145	0.0171949
Std Dev:	0.00162531	0.000455436	0.000110904	0.00047756	5.45465e-005
%RSD:	5260.24	0.192938	3.46913	11.0254	0.317225
Repeat:1	0.00118016	0.236375	-0.00327532	-0.00399376	0.0172335
Repeat:2	-0.00111837	0.235731	-0.00311847	-0.00466914	0.0171563
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.090498	-0.00275975	0.413043	0.147667	0.928017
Std Dev:	0.0026898	0.000727878	0.0033279	0.000237423	0.00288544
%RSD:	2.97222	26.3748	0.805703	0.160783	0.310925
Repeat:1	0.088596	-0.00327444	0.415396	0.147835	0.925977
Repeat:2	0.0923999	-0.00224506	0.41069	0.147499	0.930058
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000677053	2.33454	0.0245272	0.00363741	-0.00587934
Std Dev:	7.88572e-005	0.0070163	0.000356346	2.22588e-006	0.00301262
%RSD:	11.6471	0.300543	1.45286	0.061194	51.2407
Repeat:1	0.000621292	2.3395	0.0242752	0.00363899	-0.00800958
Repeat:2	0.000732813	2.32958	0.0247792	0.00363584	-0.0037491
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000176356	0.00206201	7.49357	0.000419642	10.8181
Std Dev:	7.39816e-005	0.000426049	0.00253869	8.60531e-005	0.0486116
%RSD:	41.9501	20.6618	0.0338782	20.5063	0.449356
Repeat:1	0.000124043	0.00236328	7.49178	0.000358794	10.8524
Repeat:2	0.000228669	0.00176075	7.49537	0.000480491	10.7837
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0134796	-0.0037931	0.000929133	0.685168	381.428
Std Dev:	0.00337692	3.7563e-005	0.00134324	0.000874622	0.820642
%RSD:	25.0521	0.990299	144.569	0.127651	0.21515
Repeat:1	-0.0110917	-0.00381966	-2.06807e-005	0.684549	380.848
Repeat:2	-0.0158674	-0.00376654	0.00187895	0.685786	382.008
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3618.29	3490.85	6122.86		

Std Dev:	1.99242	6.87352	36.3025
%RSD:	0.0550652	0.196901	0.592901
Repeat:1	3619.7	3485.99	6097.19
Repeat:2	3616.88	3495.71	6148.53

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.599781	1298.62	0.152179	98.8016	85.3333
Std Dev:	0.775684	32.6157	1.87452	1.64757	3.49291
%RSD:	129.328	2.51157	1231.79	1.66756	4.09325
Repeat:1	1.14827	1321.68	1.47767	97.6365	82.8635
Repeat:2	0.05129	1275.56	-1.17331	99.9666	87.8032
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.29862	14928.3	0.371477	0.146169	11.6666
Std Dev:	0.305506	28.7847	0.068597	0.484449	0.0360589
%RSD:	102.306	0.192819	18.466	331.431	0.309077
Repeat:1	0.514646	14948.7	0.322971	0.488726	11.6921
Repeat:2	0.0825947	14908	0.419982	-0.196388	11.6411
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	6.99858	49.7931	12754.9	7928.43	38.1257
Std Dev:	0.389586	4.19574	97.2244	12.7787	0.119161
%RSD:	5.56665	8.42635	0.762254	0.161175	0.312548
Repeat:1	6.7231	46.8263	12823.6	7937.46	38.0415
Repeat:2	7.27406	52.7599	12686.1	7919.39	38.21
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.102705	21931.5	35.854	51.0488	3.26396
Std Dev:	0.0923864	64.7485	0.610224	0.0279934	1.03453
%RSD:	89.9531	0.295231	1.70197	0.0548366	31.6956
Repeat:1	-0.168032	21977.3	35.4225	51.0686	2.53243
Repeat:2	-0.0373781	21885.7	36.2855	51.0291	3.99548
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.882114	-3.26647	8343.31	-0.0137732	88.6534
Std Dev:	0.524344	5.34057	2.85173	0.470437	0.39855
%RSD:	59.4418	163.497	0.0341798	3415.61	0.44956
Repeat:1	0.511347	0.509886	8341.3	-0.346422	88.9352
Repeat:2	1.25288	-7.04282	8345.33	0.318876	88.3715
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	0.948731	-2.58113	1.42412	202.604	381.428
Std Dev:	0.554898	0.0212001	0.377176	0.257341	0.820642
%RSD:	58.4885	0.821353	26.4849	0.127017	0.21515
Repeat:1	1.3411	-2.59612	1.15742	202.422	380.848
Repeat:2	0.556358	-2.56613	1.69082	202.786	382.008
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3618.29	3490.85	6122.86		
Std Dev:	1.99242	6.87352	36.3025		
%RSD:	0.0550652	0.196901	0.592901		
Repeat:1	3619.7	3485.99	6097.19		

Repeat:2	3616.88	3495.71	6148.53

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	381.428	3618.29	3490.85	6122.86
Std Dev:	0.820642	1.99242	6.87352	36.3025
%RSD:	0.21515	0.0550652	0.196901	0.592901
Repeat:1	380.848	3619.7	3485.99	6097.19
Repeat:2	382.008	3616.88	3495.71	6148.53

Sample Name	Acquisition date	Sample type	Correction factor
200-1622-e-6-a	9/25/2010 2:06:02PM	Unknown	1.00

Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/10/2	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00211308	0.116695	0.000885842	0.0377775	0.0081942
Std Dev:	0.00153281	0.00292162	2.54579e-005	0.0004055	0.000177557
%RSD:	72.5394	2.50365	2.87386	1.07339	2.16686
Repeat:1	-0.00102922	0.114629	0.00086784	0.0374908	0.00806865
Repeat:2	-0.00319694	0.118761	0.000903843	0.0380642	0.00831975

Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.00129882	0.25974	-0.00419791	-0.00402153	0.0305898
Std Dev:	0.000672895	0.00168762	0.000145221	0.000385799	0.000173934
%RSD:	51.8082	0.649735	3.45935	9.59335	0.568601
Repeat:1	0.00177463	0.260933	-0.0043006	-0.00374873	0.0307127
Repeat:2	0.000823012	0.258546	-0.00409523	-0.00429433	0.0304668

Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0852633	-0.00811836	0.745526	0.163	1.5758
Std Dev:	0.00122704	0.00121817	0.00175582	0.000495506	0.00691223
%RSD:	1.43912	15.0051	0.235515	0.303991	0.438649
Repeat:1	0.0843956	-0.00897973	0.744285	0.16265	1.58069
Repeat:2	0.0861309	-0.00725698	0.746768	0.163351	1.57091

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000734511	2.73407	0.0384062	0.0074556	0.00134329
Std Dev:	3.08232e-005	0.00902495	0.000286589	9.88149e-005	0.00526592
%RSD:	4.19642	0.330092	0.746206	1.32538	392.016
Repeat:1	0.000712716	2.72769	0.0382036	0.00752548	-0.00238028
Repeat:2	0.000756306	2.74045	0.0386089	0.00738573	0.00506686

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000212822	0.00208222	8.57035	0.000210922	11.1655
Std Dev:	7.3082e-005	4.7279e-005	0.0157177	0.00019234	0.0166612
%RSD:	34.3395	2.2706	0.183396	91.1899	0.149221
Repeat:1	0.000264498	0.00204879	8.58146	7.49173e-005	11.1537
Repeat:2	0.000161145	0.00211565	8.55923	0.000346927	11.1773

Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0141578	-0.00196955	0.00250658	0.66308	380.689
Std Dev:	0.00132235	0.00322957	0.00262659	0.000124655	1.54053
%RSD:	9.3401	163.975	104.788	0.0187993	0.404668
Repeat:1	-0.0150929	0.000314098	0.000649304	0.662992	381.779
Repeat:2	-0.0132228	-0.0042532	0.00436386	0.663168	379.6

Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	3618.15	3492.17	6130.6

Std Dev:	3.53776	3.63316	16.5951
%RSD:	0.0977782	0.104037	0.270692
Repeat:1	3615.65	3494.74	6142.34
Repeat:2	3620.65	3489.6	6118.87

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00211308	0.116695	0.000885842	0.0377775	0.0081942
Std Dev:	0.00153281	0.00292162	2.54579e-005	0.0004055	0.000177557
%RSD:	72.5394	2.50365	2.87386	1.07339	2.16686
Repeat:1	-0.00102922	0.114629	0.00086784	0.0374908	0.00806865
Repeat:2	-0.00319694	0.118761	0.000903843	0.0380642	0.00831975

Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.00129882	0.25974	-0.00419791	-0.00402153	0.0305898
Std Dev:	0.000672895	0.00168762	0.000145221	0.000385799	0.000173934
%RSD:	51.8082	0.649735	3.45935	9.59335	0.568601
Repeat:1	0.00177463	0.260933	-0.0043006	-0.00374873	0.0307127
Repeat:2	0.000823012	0.258546	-0.00409523	-0.00429433	0.0304668

Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0852633	-0.00811836	0.745526	0.163	1.5758
Std Dev:	0.00122704	0.00121817	0.00175582	0.000495506	0.00691223
%RSD:	1.43912	15.0051	0.235515	0.303991	0.438649
Repeat:1	0.0843956	-0.00897973	0.744285	0.16265	1.58069
Repeat:2	0.0861309	-0.00725698	0.746768	0.163351	1.57091

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000734511	2.73407	0.0384062	0.0074556	0.00134329
Std Dev:	3.08232e-005	0.00902495	0.000286589	9.88149e-005	0.00526592
%RSD:	4.19642	0.330092	0.746206	1.32538	392.016
Repeat:1	0.000712716	2.72769	0.0382036	0.00752548	-0.00238028
Repeat:2	0.000756306	2.74045	0.0386089	0.00738573	0.00506686

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000212822	0.00208222	8.57035	0.000210922	11.1655
Std Dev:	7.3082e-005	4.7279e-005	0.0157177	0.00019234	0.0166612
%RSD:	34.3395	2.2706	0.183396	91.1899	0.149221
Repeat:1	0.000264498	0.00204879	8.58146	7.49173e-005	11.1537
Repeat:2	0.000161145	0.00211565	8.55923	0.000346927	11.1773

Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0141578	-0.00196955	0.00250658	0.66308	380.689
Std Dev:	0.00132235	0.00322957	0.00262659	0.000124655	1.54053
%RSD:	9.3401	163.975	104.788	0.0187993	0.404668
Repeat:1	-0.0150929	0.000314098	0.000649304	0.662992	381.779
Repeat:2	-0.0132228	-0.0042532	0.00436386	0.663168	379.6

Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	3618.15	3492.17	6130.6
Std Dev:	3.53776	3.63316	16.5951
%RSD:	0.0977782	0.104037	0.270692
Repeat:1	3615.65	3494.74	6142.34
Repeat:2	3620.65	3489.6	6118.87

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.58118	2380.65	0.573998	118.036	93.2055
Std Dev:	0.334276	58.7463	0.219786	1.27136	1.98704
%RSD:	57.5167	2.46766	38.2903	1.0771	2.13189

Repeat:1	0.817549	2339.11	0.418586	117.137	91.8004
Repeat:2	0.344811	2422.19	0.72941	118.935	94.6105
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.53626	16425.4	-0.192087	0.454644	20.5062
Std Dev:	0.126179	106.662	0.0807703	0.392441	0.114743
%RSD:	23.5295	0.649372	42.0488	86.3183	0.55955
Repeat:1	0.625482	16500.8	-0.2492	0.732142	20.5874
Repeat:2	0.447038	16350	-0.134974	0.177146	20.4251
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	6.24098	19.0493	22468.3	8753.63	64.8113
Std Dev:	0.17758	7.00194	51.2963	26.6705	0.285387
%RSD:	2.84538	36.7569	0.228305	0.30468	0.440336
Repeat:1	6.11541	14.0982	22432.1	8734.77	65.0131
Repeat:2	6.36655	24.0004	22504.6	8772.49	64.6095
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.0324447	25618.4	59.6288	99.3916	5.82226
Std Dev:	0.0360747	83.285	0.490691	1.25103	1.81553
%RSD:	111.188	0.325098	0.82291	1.25869	31.1826
Repeat:1	-0.0579534	25559.5	59.2818	100.276	4.53848
Repeat:2	-0.00693608	25677.3	59.9758	98.507	7.10603
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	1.01837	-3.06646	9552.72	-1.15481	91.5017
Std Dev:	0.501967	0.590846	17.6556	1.05149	0.1366
%RSD:	49.2913	19.268	0.184823	91.0529	0.149286
Repeat:1	1.37331	-3.48425	9565.2	-1.89832	91.4051
Repeat:2	0.663425	-2.64867	9540.24	-0.411296	91.5983
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	0.835372	-1.5752	1.86719	195.886	380.689
Std Dev:	0.217287	1.87536	0.735479	0.0332332	1.54053
%RSD:	26.0108	119.055	39.3896	0.0169656	0.404668
Repeat:1	0.681727	-0.249123	1.34713	195.863	381.779
Repeat:2	0.989017	-2.90128	2.38726	195.91	379.6
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3618.15	3492.17	6130.6		
Std Dev:	3.53776	3.63316	16.5951		
%RSD:	0.0977782	0.104037	0.270692		
Repeat:1	3615.65	3494.74	6142.34		
Repeat:2	3620.65	3489.6	6118.87		
Internal Standards					
Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD	
Avg. of Repeats:	380.689	3618.15	3492.17	6130.6	
Std Dev:	1.54053	3.53776	3.63316	16.5951	
%RSD:	0.404668	0.0977782	0.104037	0.270692	
Repeat:1	381.779	3615.65	3494.74	6142.34	
Repeat:2	379.6	3620.65	3489.6	6118.87	

**Autosampler Locations
(rack/row/col)**

2/11/2

Valid
Yes**Analyst Name**
admin**Method Name**
6010B (195)**RAW CTS/S**

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.0044077	0.022591	0.000686825	0.0270048	0.00781089
Std Dev:	0.000851543	0.000189794	9.91063e-005	0.000324766	0.000696066
%RSD:	19.3194	0.840132	14.4296	1.20262	8.91147
Repeat:1	-0.00500983	0.0227252	0.000756904	0.0267751	0.0073187
Repeat:2	-0.00380557	0.0224568	0.000616747	0.0272344	0.00830309
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.000951515	0.234895	-0.00363238	-0.00443394	0.00172063
Std Dev:	0.00114117	0.000331537	0.000431931	0.000184637	3.90773e-005
%RSD:	119.932	0.141142	11.8911	4.16418	2.27111
Repeat:1	-0.00175844	0.23513	-0.00332696	-0.00430338	0.00169299
Repeat:2	-0.000144588	0.234661	-0.0039378	-0.00456449	0.00174826
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	1.05543	-0.0073591	0.089166	0.145634	0.205444
Std Dev:	0.00220516	0.00126203	0.00123922	0.000424316	0.00122092
%RSD:	0.208935	17.1492	1.38979	0.291359	0.594285
Repeat:1	1.05699	-0.00825149	0.0882897	0.145334	0.204581
Repeat:2	1.05387	-0.00646671	0.0900423	0.145934	0.206307
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000155988	2.08464	0.0114902	0.0012095	0.0252005
Std Dev:	4.87701e-005	0.000497058	0.000288542	0.00011352	0.00668411
%RSD:	31.2654	0.0238438	2.5112	9.38569	26.5237
Repeat:1	0.000190473	2.08429	0.0116942	0.00112923	0.0204741
Repeat:2	0.000121502	2.08499	0.0112862	0.00128977	0.0299268
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000325613	0.00246179	6.95259	0.000377978	11.5882
Std Dev:	4.14635e-005	0.000255919	0.0260504	9.68276e-005	0.00961691
%RSD:	12.734	10.3957	0.374686	25.6173	0.0829885
Repeat:1	0.000354932	0.00264275	6.93417	0.000446445	11.5814
Repeat:2	0.000296294	0.00228083	6.97101	0.00030951	11.595
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0173593	0.000281823	0.00164902	0.958958	385.248
Std Dev:	0.000126506	0.0011543	0.00359954	0.000558999	2.41828
%RSD:	0.72875	409.583	218.284	0.0582923	0.627721
Repeat:1	-0.0174488	-0.00053439	0.00419428	0.959353	383.538
Repeat:2	-0.0172698	0.00109804	-0.00089624	0.958563	386.958
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3633.4	3512.3	6126.22		
Std Dev:	11.1251	7.4773	0.495911		
%RSD:	0.30619	0.212889	0.0080949		
Repeat:1	3641.27	3507.01	6125.87		
Repeat:2	3625.54	3517.58	6126.57		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.0044077	0.022591	0.000686825	0.0270048	0.00781089
Std Dev:	0.000851543	0.000189794	9.91063e-005	0.000324766	0.000696066
%RSD:	19.3194	0.840132	14.4296	1.20262	8.91147
Repeat:1	-0.00500983	0.0227252	0.000756904	0.0267751	0.0073187

Repeat:2	-0.00380557	0.0224568	0.000616747	0.0272344	0.00830309
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.000951515	0.234895	-0.00363238	-0.00443394	0.00172063
Std Dev:	0.00114117	0.000331537	0.000431931	0.000184637	3.90773e-005
%RSD:	119.932	0.141142	11.8911	4.16418	2.27111
Repeat:1	-0.00175844	0.23513	-0.00332696	-0.00430338	0.00169299
Repeat:2	-0.000144588	0.234661	-0.0039378	-0.00456449	0.00174826
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	1.05543	-0.0073591	0.089166	0.145634	0.205444
Std Dev:	0.00220516	0.00126203	0.00123922	0.000424316	0.00122092
%RSD:	0.208935	17.1492	1.38979	0.291359	0.594285
Repeat:1	1.05699	-0.00825149	0.0882897	0.145334	0.204581
Repeat:2	1.05387	-0.00646671	0.0900423	0.145934	0.206307
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000155988	2.08464	0.0114902	0.0012095	0.0252005
Std Dev:	4.87701e-005	0.000497058	0.000288542	0.00011352	0.00668411
%RSD:	31.2654	0.0238438	2.5112	9.38569	26.5237
Repeat:1	0.000190473	2.08429	0.0116942	0.00112923	0.0204741
Repeat:2	0.000121502	2.08499	0.0112862	0.00128977	0.0299268
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000325613	0.00246179	6.95259	0.000377978	11.5882
Std Dev:	4.14635e-005	0.000255919	0.0260504	9.68276e-005	0.00961691
%RSD:	12.734	10.3957	0.374686	25.6173	0.0829885
Repeat:1	0.000354932	0.00264275	6.93417	0.000446445	11.5814
Repeat:2	0.000296294	0.00228083	6.97101	0.00030951	11.595
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0173593	0.000281823	0.00164902	0.958958	385.248
Std Dev:	0.000126506	0.0011543	0.00359954	0.000558999	2.41828
%RSD:	0.72875	409.583	218.284	0.0582923	0.627721
Repeat:1	-0.0174488	-0.00053439	0.00419428	0.959353	383.538
Repeat:2	-0.0172698	0.00109804	-0.00089624	0.958563	386.958
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3633.4	3512.3	6126.22		
Std Dev:	11.1251	7.4773	0.495911		
%RSD:	0.30619	0.212889	0.0080949		
Repeat:1	3641.27	3507.01	6125.87		
Repeat:2	3625.54	3517.58	6126.57		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.0917184	487.756	-1.31483	84.2478	88.9187
Std Dev:	0.185751	3.81785	0.861265	1.02198	7.78155
%RSD:	202.523	0.782738	65.5037	1.21307	8.75131
Repeat:1	-0.0396271	490.455	-0.705828	83.5251	83.4163
Repeat:2	0.223064	485.056	-1.92384	84.9704	94.4211
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.113675	14855.2	0.131883	0.0445678	1.45527
Std Dev:	0.214311	20.954	0.23959	0.189968	0.0258115
%RSD:	188.53	0.141055	181.668	426.244	1.77366
Repeat:1	-0.0378662	14870	0.301299	0.178895	1.43702
Repeat:2	0.265216	14840.3	-0.0375326	-0.0897597	1.47352
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL

Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	146.808	23.4276	3292.81	7818.97	8.34466
Std Dev:	0.319699	7.25034	36.2038	22.8377	0.0499142
%RSD:	0.217766	30.9479	1.09948	0.292081	0.598158
Repeat:1	147.034	18.3008	3267.21	7802.82	8.30936
Repeat:2	146.582	28.5543	3318.41	7835.12	8.37995
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.716377	19625.3	13.5235	20.3074	14.4048
Std Dev:	0.0571237	4.587	0.494424	1.43717	2.29625
%RSD:	7.97398	0.0233729	3.65603	7.07707	15.941
Repeat:1	-0.675984	19622	13.8731	19.2912	12.7811
Repeat:2	-0.756769	19628.5	13.1739	21.3237	16.0285
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	2.05945	1.79516	7735.69	-0.241546	94.9677
Std Dev:	0.298273	3.20856	29.2613	0.529339	0.0788458
%RSD:	14.4831	178.734	0.378263	219.146	0.0830238
Repeat:1	2.27036	4.06396	7715	0.132753	94.9119
Repeat:2	1.84854	-0.473633	7756.38	-0.615846	95.0234
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	0.313687	-0.158675	1.62316	284.185	385.248
Std Dev:	0.0208048	0.672618	1.00866	0.165073	2.41828
%RSD:	6.63234	423.897	62.1421	0.0580864	0.627721
Repeat:1	0.298976	-0.634288	2.33639	284.302	383.538
Repeat:2	0.328399	0.316938	0.909924	284.068	386.958
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3633.4	3512.3	6126.22		
Std Dev:	11.1251	7.4773	0.495911		
%RSD:	0.30619	0.212889	0.0080949		
Repeat:1	3641.27	3507.01	6125.87		
Repeat:2	3625.54	3517.58	6126.57		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	385.248	3633.4	3512.3	6126.22
Std Dev:	2.41828	11.1251	7.4773	0.495911
%RSD:	0.627721	0.30619	0.212889	0.0080949
Repeat:1	383.538	3641.27	3507.01	6125.87
Repeat:2	386.958	3625.54	3517.58	6126.57

Sample Name	Acquisition date	Sample type	Correction factor
200-1622-e-8-a	9/25/2010 2:13:47PM	Unknown	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/12/2	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00445499	0.0720559	0.000743713	0.0327491	0.00788363
Std Dev:	0.00195346	5.37639e-006	0.000155655	4.26393e-005	9.33635e-005
%RSD:	43.8489	0.00746141	20.9294	0.1302	1.18427
Repeat:1	-0.0058363	0.0720597	0.000853778	0.0327792	0.00794965

Repeat:2	-0.00307369	0.0720521	0.000633648	0.0327189	0.00781761
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.000607835	0.252222	-0.00339233	-0.00388722	0.01667
Std Dev:	0.000225657	0.00214471	0.000339157	0.000366825	0.000235699
%RSD:	37.1247	0.850327	9.99777	9.4367	1.41391
Repeat:1	0.000767398	0.250706	-0.00363215	-0.00362784	0.0165033
Repeat:2	0.000448271	0.253739	-0.00315251	-0.00414661	0.0168367
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.178262	-0.00778986	0.430284	0.155505	0.919032
Std Dev:	0.000310875	0.000785776	0.00461866	0.00263509	0.00297675
%RSD:	0.174392	10.0872	1.0734	1.69455	0.3239
Repeat:1	0.178042	-0.00834549	0.427019	0.153641	0.921137
Repeat:2	0.178481	-0.00723424	0.43355	0.157368	0.916927
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000164101	2.4481	0.0275599	0.00438618	0.00172601
Std Dev:	0.000373925	0.00438212	5.6323e-005	0.000206921	0.00558343
%RSD:	227.863	0.179001	0.204366	4.71757	323.488
Repeat:1	0.000428506	2.445	0.0275997	0.0045325	-0.00222207
Repeat:2	-0.000100304	2.4512	0.0275201	0.00423987	0.00567409
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	4.80949e-005	0.00240215	7.83687	0.000349132	11.4873
Std Dev:	3.56512e-005	0.0001428	0.0058559	0.000162002	0.0224778
%RSD:	74.1268	5.94469	0.0747224	46.4015	0.195676
Repeat:1	7.33041e-005	0.00230118	7.84101	0.000463685	11.5031
Repeat:2	2.28857e-005	0.00250313	7.83273	0.000234579	11.4714
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0156899	-0.00201974	0.000471905	0.698251	381.603
Std Dev:	7.28038e-005	0.00224585	0.00193031	0.000587571	0.764899
%RSD:	0.464017	111.195	409.046	0.084149	0.200444
Repeat:1	-0.0157414	-0.0036078	0.00183684	0.698667	381.062
Repeat:2	-0.0156384	-0.000431689	-0.00089303	0.697836	382.144
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3605.59	3486.53	6105.82		
Std Dev:	2.9684	11.876	12.1328		
%RSD:	0.0823277	0.340626	0.198708		
Repeat:1	3603.49	3478.14	6097.24		
Repeat:2	3607.69	3494.93	6114.4		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00445499	0.0720559	0.000743713	0.0327491	0.00788363
Std Dev:	0.00195346	5.37639e-006	0.000155655	4.26393e-005	9.33635e-005
%RSD:	43.8489	0.00746141	20.9294	0.1302	1.18427
Repeat:1	-0.0058363	0.0720597	0.000853778	0.0327792	0.00794965
Repeat:2	-0.00307369	0.0720521	0.000633648	0.0327189	0.00781761
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.000607835	0.252222	-0.00339233	-0.00388722	0.01667
Std Dev:	0.000225657	0.00214471	0.000339157	0.000366825	0.000235699
%RSD:	37.1247	0.850327	9.99777	9.4367	1.41391
Repeat:1	0.000767398	0.250706	-0.00363215	-0.00362784	0.0165033
Repeat:2	0.000448271	0.253739	-0.00315251	-0.00414661	0.0168367
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.178262	-0.00778986	0.430284	0.155505	0.919032
Std Dev:	0.000310875	0.000785776	0.00461866	0.00263509	0.00297675

%RSD:	0.174392	10.0872	1.0734	1.69455	0.3239
Repeat:1	0.178042	-0.00834549	0.427019	0.153641	0.921137
Repeat:2	0.178481	-0.00723424	0.43355	0.157368	0.916927
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000164101	2.4481	0.0275599	0.00438618	0.00172601
Std Dev:	0.000373925	0.00438212	5.6323e-005	0.000206921	0.00558343
%RSD:	227.863	0.179001	0.204366	4.71757	323.488
Repeat:1	0.000428506	2.445	0.0275997	0.0045325	-0.00222207
Repeat:2	-0.000100304	2.4512	0.0275201	0.00423987	0.00567409
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	4.80949e-005	0.00240215	7.83687	0.000349132	11.4873
Std Dev:	3.56512e-005	0.0001428	0.0058559	0.000162002	0.0224778
%RSD:	74.1268	5.94469	0.0747224	46.4015	0.195676
Repeat:1	7.33041e-005	0.00230118	7.84101	0.000463685	11.5031
Repeat:2	2.28857e-005	0.00250313	7.83273	0.000234579	11.4714
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0156899	-0.00201974	0.000471905	0.698251	381.603
Std Dev:	7.28038e-005	0.00224585	0.00193031	0.000587571	0.764899
%RSD:	0.464017	111.195	409.046	0.084149	0.200444
Repeat:1	-0.0157414	-0.0036078	0.00183684	0.698667	381.062
Repeat:2	-0.0156384	-0.000431689	-0.00089303	0.697836	382.144
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3605.59	3486.53	6105.82		
Std Dev:	2.9684	11.876	12.1328		
%RSD:	0.0823277	0.340626	0.198708		
Repeat:1	3603.49	3478.14	6097.24		
Repeat:2	3607.69	3494.93	6114.4		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.0756272	1482.79	-0.738074	102.28	89.7314
Std Dev:	0.426158	0.0723995	1.35155	0.114769	1.04515
%RSD:	563.499	0.00488265	183.118	0.112211	1.16476
Repeat:1	-0.225712	1482.84	0.217616	102.361	90.4704
Repeat:2	0.376967	1482.74	-1.69376	102.198	88.9924
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.406525	15950.3	0.264748	0.594195	11.3209
Std Dev:	0.0421989	135.551	0.195047	0.372495	0.155426
%RSD:	10.3804	0.849838	73.6726	62.6889	1.37291
Repeat:1	0.436364	15854.4	0.126829	0.857589	11.211
Repeat:2	0.376686	16046.1	0.402667	0.330802	11.4308
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	19.7156	20.931	13258.6	8350.21	37.7478
Std Dev:	0.0450123	4.52981	134.934	141.816	0.125241
%RSD:	0.228307	21.6417	1.01771	1.69836	0.331783
Repeat:1	19.6838	17.7279	13163.1	8249.93	37.8364
Repeat:2	19.7475	24.134	13354	8450.49	37.6593
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.703618	22979.4	41.0501	60.5279	5.93805
Std Dev:	0.438029	40.4395	0.0963324	2.62075	1.91868

%RSD:	62.2538	0.175982	0.234671	4.32982	32.3117
Repeat:1	-0.393885	22950.8	41.1182	62.381	4.58133
Repeat:2	-1.01335	23008	40.9819	58.6747	7.29476
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.0171953	0.993734	8728.9	-0.399242	94.1397
Std Dev:	0.261505	1.79043	6.57612	0.885639	0.184288
%RSD:	1520.8	180.171	0.0753374	221.83	0.19576
Repeat:1	0.167717	-0.272288	8733.55	0.226999	94.2701
Repeat:2	-0.202107	2.25976	8724.25	-1.02548	94.0094
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	0.585877	-1.55137	1.29337	206.459	381.603
Std Dev:	0.012113	1.30585	0.543449	0.179033	0.764899
%RSD:	2.06749	84.1742	42.0179	0.0867159	0.200444
Repeat:1	0.577311	-2.47475	1.67765	206.585	381.062
Repeat:2	0.594442	-0.627993	0.909098	206.332	382.144
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3605.59	3486.53	6105.82		
Std Dev:	2.9684	11.876	12.1328		
%RSD:	0.0823277	0.340626	0.198708		
Repeat:1	3603.49	3478.14	6097.24		
Repeat:2	3607.69	3494.93	6114.4		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	381.603	3605.59	3486.53	6105.82
Std Dev:	0.764899	2.9684	11.876	12.1328
%RSD:	0.200444	0.0823277	0.340626	0.198708
Repeat:1	381.062	3603.49	3478.14	6097.24
Repeat:2	382.144	3607.69	3494.93	6114.4

Sample Name	Acquisition date	Sample type	Correction factor
CRI	9/25/2010 2:17:40PM	QC	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/1/3	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.0426529	0.0101172	0.00209209	0.000904679	0.0176802
Std Dev:	0.00438558	0.000687197	0.000180557	7.1555e-005	0.00040447
%RSD:	10.282	6.79237	8.63043	7.90943	2.2877
Repeat:1	0.0395518	0.0106031	0.00221977	0.000955276	0.0173942
Repeat:2	0.045754	0.00963127	0.00196442	0.000854082	0.0179662
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.0253005	0.0837694	0.00490261	0.0448103	0.0144505
Std Dev:	0.00027918	0.00148213	0.000270819	0.000273461	0.000280619
%RSD:	1.10346	1.76929	5.52397	0.610264	1.94194
Repeat:1	0.0251031	0.0848174	0.00471111	0.0446169	0.014252
Repeat:2	0.0254979	0.0827214	0.0050941	0.0450036	0.0146489
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.210235	0.010034	0.165245	0.100277	0.390893
Std Dev:	0.00191911	0.00141341	0.00101037	0.000633524	0.00130127

%RSD:	0.912843	14.0863	0.611442	0.631772	0.332897
Repeat:1	0.208878	0.00903454	0.165959	0.0998292	0.389973
Repeat:2	0.211592	0.0110334	0.16453	0.100725	0.391813
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	-1.40105e-005	0.546079	0.0265672	-0.000395533	0.0232442
Std Dev:	0.0002169	0.00311916	0.000487173	0.00022938	0.00912259
%RSD:	1548.12	0.571192	1.83374	57.9925	39.2468
Repeat:1	0.000139361	0.548285	0.0269116	-0.000557729	0.0296948
Repeat:2	-0.000167382	0.543874	0.0262227	-0.000233337	0.0167935
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.00900163	0.004901	0.0755049	0.000456285	0.0417265
Std Dev:	0.000426007	0.000174143	0.00103152	3.96744e-005	0.000177582
%RSD:	4.73256	3.55321	1.36616	8.69511	0.425584
Repeat:1	0.0087004	0.00502413	0.0747755	0.000428231	0.041601
Repeat:2	0.00930287	0.00477786	0.0762343	0.000484339	0.0418521
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0175181	0.03865	0.174423	0.2063	385.813
Std Dev:	0.00664646	0.00118175	0.000607164	0.00018258	2.19928
%RSD:	37.9405	3.05757	0.348098	0.088502	0.570039
Repeat:1	-0.0128184	0.0378144	0.173994	0.206429	384.258
Repeat:2	-0.0222179	0.0394856	0.174852	0.206171	387.368
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3639.07	3500.61	6121.23		
Std Dev:	2.11041	8.47704	1.94454		
%RSD:	0.0579931	0.242159	0.0317672		
Repeat:1	3640.56	3494.62	6119.85		
Repeat:2	3637.57	3506.61	6122.6		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.0426529	0.0101172	0.00209209	0.000904679	0.0176802
Std Dev:	0.00438558	0.000687197	0.000180557	7.1555e-005	0.00040447
%RSD:	10.282	6.79237	8.63043	7.90943	2.2877
Repeat:1	0.0395518	0.0106031	0.00221977	0.000955276	0.0173942
Repeat:2	0.045754	0.00963127	0.00196442	0.000854082	0.0179662
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.0253005	0.0837694	0.00490261	0.0448103	0.0144505
Std Dev:	0.00027918	0.00148213	0.000270819	0.000273461	0.000280619
%RSD:	1.10346	1.76929	5.52397	0.610264	1.94194
Repeat:1	0.0251031	0.0848174	0.00471111	0.0446169	0.014252
Repeat:2	0.0254979	0.0827214	0.0050941	0.0450036	0.0146489
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.210235	0.010034	0.165245	0.100277	0.390893
Std Dev:	0.00191911	0.00141341	0.00101037	0.000633524	0.00130127
%RSD:	0.912843	14.0863	0.611442	0.631772	0.332897
Repeat:1	0.208878	0.00903454	0.165959	0.0998292	0.389973
Repeat:2	0.211592	0.0110334	0.16453	0.100725	0.391813
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	-1.40105e-005	0.546079	0.0265672	-0.000395533	0.0232442
Std Dev:	0.0002169	0.00311916	0.000487173	0.00022938	0.00912259
%RSD:	1548.12	0.571192	1.83374	57.9925	39.2468
Repeat:1	0.000139361	0.548285	0.0269116	-0.000557729	0.0296948
Repeat:2	-0.000167382	0.543874	0.0262227	-0.000233337	0.0167935
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL

Avg. of Repeats:	0.00900163	0.004901	0.0755049	0.000456285	0.0417265
Std Dev:	0.000426007	0.000174143	0.00103152	3.96744e-005	0.000177582
%RSD:	4.73256	3.55321	1.36616	8.69511	0.425584
Repeat:1	0.0087004	0.00502413	0.0747755	0.000428231	0.041601
Repeat:2	0.00930287	0.00477786	0.0762343	0.000484339	0.0418521
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0175181	0.03865	0.174423	0.2063	385.813
Std Dev:	0.00664646	0.00118175	0.000607164	0.00018258	2.19928
%RSD:	37.9405	3.05757	0.348098	0.088502	0.570039
Repeat:1	-0.0128184	0.0378144	0.173994	0.206429	384.258
Repeat:2	-0.0222179	0.0394856	0.174852	0.206171	387.368
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3639.07	3500.61	6121.23		
Std Dev:	2.11041	8.47704	1.94454		
%RSD:	0.0579931	0.242159	0.0317672		
Repeat:1	3640.56	3494.62	6119.85		
Repeat:2	3637.57	3506.61	6122.6		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	10.3561	235.543	10.9803	2.32377	199.382
Std Dev:	0.956478	13.8248	1.56772	0.213554	4.52328
%RSD:	9.23592	5.86933	14.2776	9.19	2.26865
Repeat:1	9.67974	245.319	12.0889	2.47478	196.184
Repeat:2	11.0324	225.767	9.87177	2.17276	202.581
QC Status Pass/Fail:	Pass	Pass	Pass	None	Pass
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	5.02754	5303.62	4.88082	49.9544	9.86038
Std Dev:	0.0512799	93.6743	0.157369	0.27768	0.185051
%RSD:	1.01998	1.76623	3.22423	0.555866	1.87671
Repeat:1	4.99128	5369.85	4.76955	49.7581	9.72953
Repeat:2	5.0638	5237.38	4.9921	50.1508	9.99123
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	24.3454	120.271	5515.44	5377.95	16.0323
Std Dev:	0.277888	8.08986	29.518	34.0911	0.0530241
%RSD:	1.14144	6.72634	0.535188	0.633905	0.330733
Repeat:1	24.1489	114.551	5536.32	5353.84	15.9948
Repeat:2	24.5419	125.992	5494.57	5402.06	16.0698
QC Status Pass/Fail:	Pass	Fail	Pass	Pass	Pass
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.914662	5427	39.3468	-0.014463	13.2604
Std Dev:	0.25407	28.7846	0.834569	2.90369	3.13762
%RSD:	27.7775	0.530396	2.12106	20076.7	23.6616
Repeat:1	-0.735007	5447.35	39.9369	-2.06768	15.479
Repeat:2	-1.09432	5406.65	38.7567	2.03875	11.0417
QC Status Pass/Fail:	None	Pass	Pass	None	Fail
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	62.9693	32.3733	11.3721	0.186545	0.30176

Std Dev:	2.98939	2.18297	1.16033	0.216893	0.00145593
%RSD:	4.74738	6.74311	10.2033	116.269	0.48248
Repeat:1	60.8555	33.9169	10.5516	0.0331781	0.30073
Repeat:2	65.0831	30.8297	12.1926	0.339911	0.302789
QC Status Pass/Fail:	Pass	Pass	None	None	None
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	0.285879	21.9145	50.0082	60.1531	385.813
Std Dev:	1.09202	0.68451	0.169278	0.052763	2.19928
%RSD:	381.988	3.12355	0.338501	0.0877146	0.570039
Repeat:1	1.05806	21.4304	49.8885	60.1904	384.258
Repeat:2	-0.486298	22.3985	50.1279	60.1158	387.368
QC Status Pass/Fail:	None	Pass	Pass	Pass	None
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3639.07	3500.61	6121.23		
Std Dev:	2.11041	8.47704	1.94454		
%RSD:	0.0579931	0.242159	0.0317672		
Repeat:1	3640.56	3494.62	6119.85		
Repeat:2	3637.57	3506.61	6122.6		
QC Status Pass/Fail:	None	None	None		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	385.813	3639.07	3500.61	6121.23
Std Dev:	2.19928	2.11041	8.47704	1.94454
%RSD:	0.570039	0.0579931	0.242159	0.0317672
Repeat:1	384.258	3640.56	3494.62	6119.85
Repeat:2	387.368	3637.57	3506.61	6122.6

Sample Name	Acquisition date	Sample type	Correction factor
ICSA	9/25/2010 2:21:33PM	QC	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/2/3	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00365627	12.709	0.00120137	0.000528595	0.000406188
Std Dev:	0.00265045	0.0189166	9.39046e-005	0.000153543	0.000348734
%RSD:	72.4906	0.148844	7.81647	29.0474	85.8554
Repeat:1	-0.00178212	12.7224	0.00113497	0.000420023	0.00065278
Repeat:2	-0.00553043	12.6956	0.00126777	0.000637166	0.000159595
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.00208786	3.97064	-0.00157492	-0.0040231	0.00265245
Std Dev:	0.00100628	0.00185649	0.000580033	0.000113288	0.000140395
%RSD:	48.1967	0.0467555	36.8294	2.81594	5.29301
Repeat:1	-0.00137632	3.96933	-0.00198506	-0.003943	0.00275173
Repeat:2	-0.00279941	3.97195	-0.00116477	-0.00410321	0.00255318
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0537689	17.5886	-0.0218519	4.75161	0.0368129
Std Dev:	0.000190538	0.0451001	0.00265732	0.0025481	0.00171548
%RSD:	0.354366	0.256416	12.1606	0.053626	4.65999
Repeat:1	0.0539036	17.5567	-0.0237309	4.75341	0.0380259
Repeat:2	0.0536341	17.6205	-0.0199729	4.74981	0.0355998

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	-0.000194077	-0.0353218	0.00545053	-0.000471378	-0.0499533
Std Dev:	0.000499349	0.00446366	0.000127504	0.00015249	0.000856157
%RSD:	257.294	12.6371	2.33929	32.3499	1.71392
Repeat:1	0.000159016	-0.0321655	0.00554069	-0.000363551	-0.0505587
Repeat:2	-0.00054717	-0.0384781	0.00536038	-0.000579205	-0.0493479
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000698057	0.00344917	0.0783187	0.000473549	1.54694
Std Dev:	0.000219277	0.000193194	0.00173925	0.000164604	0.0134142
%RSD:	31.4125	5.60117	2.22073	34.7597	0.867148
Repeat:1	0.00085311	0.00358577	0.0770889	0.000589942	1.53745
Repeat:2	0.000543005	0.00331256	0.0795485	0.000357156	1.55642
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	0.0120047	0.00271054	0.00051633	0.0432708	337.599
Std Dev:	0.00229098	0.00259428	0.000937632	0.000125326	1.36635
%RSD:	19.0841	95.7108	181.596	0.289633	0.404725
Repeat:1	0.0103847	0.000876107	-0.000146676	0.0431822	336.633
Repeat:2	0.0136246	0.00454497	0.00117934	0.0433594	338.565
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3405.96	3307.44	5959.32		
Std Dev:	0.712886	12.7347	9.5795		
%RSD:	0.0209305	0.385033	0.160748		
Repeat:1	3405.46	3316.45	5966.1		
Repeat:2	3406.47	3298.44	5952.55		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00365627	12.709	0.00120137	0.000528595	0.000406188
Std Dev:	0.00265045	0.0189166	9.39046e-005	0.000153543	0.000348734
%RSD:	72.4906	0.148844	7.81647	29.0474	85.8554
Repeat:1	-0.00178212	12.7224	0.00113497	0.000420023	0.00065278
Repeat:2	-0.00553043	12.6956	0.00126777	0.000637166	0.000159595
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.00208786	3.97064	-0.00157492	-0.0040231	0.00265245
Std Dev:	0.00100628	0.00185649	0.000580033	0.000113288	0.000140395
%RSD:	48.1967	0.0467555	36.8294	2.81594	5.29301
Repeat:1	-0.00137632	3.96933	-0.00198506	-0.003943	0.00275173
Repeat:2	-0.00279941	3.97195	-0.00116477	-0.00410321	0.00255318
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0537689	17.5886	-0.0218519	4.75161	0.0368129
Std Dev:	0.000190538	0.0451001	0.00265732	0.0025481	0.00171548
%RSD:	0.354366	0.256416	12.1606	0.053626	4.65999
Repeat:1	0.0539036	17.5567	-0.0237309	4.75341	0.0380259
Repeat:2	0.0536341	17.6205	-0.0199729	4.74981	0.0355998
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	-0.000194077	-0.0353218	0.00545053	-0.000471378	-0.0499533
Std Dev:	0.000499349	0.00446366	0.000127504	0.00015249	0.000856157
%RSD:	257.294	12.6371	2.33929	32.3499	1.71392
Repeat:1	0.000159016	-0.0321655	0.00554069	-0.000363551	-0.0505587
Repeat:2	-0.00054717	-0.0384781	0.00536038	-0.000579205	-0.0493479
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000698057	0.00344917	0.0783187	0.000473549	1.54694
Std Dev:	0.000219277	0.000193194	0.00173925	0.000164604	0.0134142
%RSD:	31.4125	5.60117	2.22073	34.7597	0.867148

Repeat:1	0.00085311	0.00358577	0.0770889	0.000589942	1.53745
Repeat:2	0.000543005	0.00331256	0.0795485	0.000357156	1.55642
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	0.0120047	0.00271054	0.00051633	0.0432708	337.599
Std Dev:	0.00229098	0.00259428	0.000937632	0.000125326	1.36635
%RSD:	19.0841	95.7108	181.596	0.289633	0.404725
Repeat:1	0.0103847	0.000876107	-0.000146676	0.0431822	336.633
Repeat:2	0.0136246	0.00454497	0.00117934	0.0433594	338.565
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3405.96	3307.44	5959.32		
Std Dev:	0.712886	12.7347	9.5795		
%RSD:	0.0209305	0.385033	0.160748		
Repeat:1	3405.46	3316.45	5966.1		
Repeat:2	3406.47	3298.44	5952.55		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.258733	255685	1.14997	1.15244	6.11089
Std Dev:	0.578095	380.42	0.818724	0.507482	3.89914
%RSD:	223.433	0.148785	71.1956	44.0355	63.8064
Repeat:1	0.667508	255954	0.57104	0.793593	8.868
Repeat:2	-0.150042	255416	1.72889	1.51128	3.35378
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.0942268	250964	1.27904	0.481074	2.06952
Std Dev:	0.188458	117.335	0.322936	0.115295	0.0927724
%RSD:	200.005	0.0467538	25.2483	23.9663	4.48279
Repeat:1	0.0390333	250881	1.05069	0.5626	2.13512
Repeat:2	-0.227487	251047	1.50739	0.399547	2.00392
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-1.18662	100918	49.4335	255732	-3.0553
Std Dev:	0.0348193	258.608	77.6333	137.077	0.0682484
%RSD:	2.93431	0.256257	157.046	0.0536017	2.23378
Repeat:1	-1.162	100735	-5.46155	255829	-3.00704
Repeat:2	-1.21125	101101	104.329	255635	-3.10355
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-1.1277	61.6541	0.328217	-0.975183	5.34794
Std Dev:	0.584945	41.192	0.225347	1.93189	0.260602
%RSD:	51.8704	66.8114	68.6578	198.106	4.87294
Repeat:1	-0.714086	90.7812	0.487562	0.390873	5.16366
Repeat:2	-1.54132	32.527	0.168873	-2.34124	5.53221
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.353154	2.49069	14.6281	0.280927	12.6425
Std Dev:	1.55681	2.41954	1.95267	0.899863	0.109979
%RSD:	440.83	97.1437	13.3488	320.319	0.869915
Repeat:1	1.45399	4.20156	13.2473	0.917226	12.5647

Repeat:2	-0.747676	0.77981	16.0088	-0.355372	12.7202
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	5.13856	1.28	-1.135	-3.8617	337.599
Std Dev:	0.376699	1.50615	0.252398	0.0303536	1.36635
%RSD:	7.33082	117.668	22.2378	0.786017	0.404725
Repeat:1	4.8722	0.214994	-1.31347	-3.88317	336.633
Repeat:2	5.40493	2.34501	-0.956526	-3.84024	338.565
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	None
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3405.96	3307.44	5959.32		
Std Dev:	0.712886	12.7347	9.5795		
%RSD:	0.0209305	0.385033	0.160748		
Repeat:1	3405.46	3316.45	5966.1		
Repeat:2	3406.47	3298.44	5952.55		
QC Status Pass/Fail:	None	None	None		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	337.599	3405.96	3307.44	5959.32
Std Dev:	1.36635	0.712886	12.7347	9.5795
%RSD:	0.404725	0.0209305	0.385033	0.160748
Repeat:1	336.633	3405.46	3316.45	5966.1
Repeat:2	338.565	3406.47	3298.44	5952.55

Sample Name	Acquisition date	Sample type	Correction factor
ICSAB	9/25/2010 2:25:23PM	QC	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/3/3	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.848753	12.6727	0.0124429	0.489318	0.0430361
Std Dev:	0.00476277	0.00409279	9.14489e-005	0.000778361	0.000631532
%RSD:	0.56115	0.0322963	0.734947	0.159071	1.46745
Repeat:1	0.85212	12.6698	0.0125076	0.489868	0.0425895
Repeat:2	0.845385	12.6756	0.0123783	0.488767	0.0434826
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	2.70132	3.96068	1.74216	0.457823	0.732683
Std Dev:	0.00207938	0.0052536	0.00113628	0.000627931	0.00179541
%RSD:	0.0769765	0.132644	0.0652224	0.137156	0.245047
Repeat:1	2.69985	3.96439	1.74296	0.458267	0.731413
Repeat:2	2.70279	3.95696	1.74136	0.457379	0.733953
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	3.35055	17.642	-0.0212851	4.73361	11.4996
Std Dev:	0.0139759	0.0539138	0.00416308	0.00118555	0.00531921
%RSD:	0.417122	0.305599	19.5586	0.0250453	0.0462556
Repeat:1	3.36043	17.6801	-0.0183414	4.73445	11.5034
Repeat:2	3.34067	17.6039	-0.0242289	4.73278	11.4958
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.862033	-0.0360332	0.541668	0.0394854	0.0935072
Std Dev:	0.00425912	0.00396412	0.000285225	4.12884e-005	0.00425474

%RSD:	0.494079	11.0013	0.0526568	0.104566	4.55018
Repeat:1	0.859021	-0.0332302	0.541466	0.0394562	0.0965158
Repeat:2	0.865044	-0.0388363	0.541869	0.0395146	0.0904987
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.0874099	0.00700727	0.948158	0.267957	29.9396
Std Dev:	0.000526916	0.000165207	0.00099384	0.000284191	0.0802308
%RSD:	0.60281	2.35766	0.104818	0.106059	0.267976
Repeat:1	0.0877825	0.00689045	0.948861	0.267756	29.9963
Repeat:2	0.0870373	0.00712409	0.947455	0.268158	29.8828
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	3.04005	0.180027	1.77775	3.36734	338.058
Std Dev:	0.00368251	0.00358505	0.0024122	0.00761924	0.903342
%RSD:	0.121133	1.9914	0.135688	0.226269	0.267215
Repeat:1	3.04265	0.182562	1.77946	3.36195	337.42
Repeat:2	3.03744	0.177492	1.77605	3.37273	338.697
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3398.38	3309.03	5973.7		
Std Dev:	6.74296	12.4239	9.10529		
%RSD:	0.198417	0.375453	0.152423		
Repeat:1	3393.62	3300.25	5967.26		
Repeat:2	3403.15	3317.82	5980.14		
<u>Corrected CTS/S</u>					
Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.848753	12.6727	0.0124429	0.489318	0.0430361
Std Dev:	0.00476277	0.00409279	9.14489e-005	0.000778361	0.000631532
%RSD:	0.56115	0.0322963	0.734947	0.159071	1.46745
Repeat:1	0.85212	12.6698	0.0125076	0.489868	0.0425895
Repeat:2	0.845385	12.6756	0.0123783	0.488767	0.0434826
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	2.70132	3.96068	1.74216	0.457823	0.732683
Std Dev:	0.00207938	0.0052536	0.00113628	0.000627931	0.00179541
%RSD:	0.0769765	0.132644	0.0652224	0.137156	0.245047
Repeat:1	2.69985	3.96439	1.74296	0.458267	0.731413
Repeat:2	2.70279	3.95696	1.74136	0.457379	0.733953
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	3.35055	17.642	-0.0212851	4.73361	11.4996
Std Dev:	0.0139759	0.0539138	0.00416308	0.00118555	0.00531921
%RSD:	0.417122	0.305599	19.5586	0.0250453	0.0462556
Repeat:1	3.36043	17.6801	-0.0183414	4.73445	11.5034
Repeat:2	3.34067	17.6039	-0.0242289	4.73278	11.4958
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.862033	-0.0360332	0.541668	0.0394854	0.0935072
Std Dev:	0.00425912	0.00396412	0.000285225	4.12884e-005	0.00425474
%RSD:	0.494079	11.0013	0.0526568	0.104566	4.55018
Repeat:1	0.859021	-0.0332302	0.541466	0.0394562	0.0965158
Repeat:2	0.865044	-0.0388363	0.541869	0.0395146	0.0904987
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.0874099	0.00700727	0.948158	0.267957	29.9396
Std Dev:	0.000526916	0.000165207	0.00099384	0.000284191	0.0802308
%RSD:	0.60281	2.35766	0.104818	0.106059	0.267976
Repeat:1	0.0877825	0.00689045	0.948861	0.267756	29.9963
Repeat:2	0.0870373	0.00712409	0.947455	0.268158	29.8828
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306

Avg. of Repeats:	3.04005	0.180027	1.77775	3.36734	338.058
Std Dev:	0.00368251	0.00358505	0.0024122	0.00761924	0.903342
%RSD:	0.121133	1.9914	0.135688	0.226269	0.267215
Repeat:1	3.04265	0.182562	1.77946	3.36195	337.42
Repeat:2	3.03744	0.177492	1.77605	3.37273	338.697
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3398.38	3309.03	5973.7		
Std Dev:	6.74296	12.4239	9.10529		
%RSD:	0.198417	0.375453	0.152423		
Repeat:1	3393.62	3300.25	5967.26		
Repeat:2	3403.15	3317.82	5980.14		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	186.197	254916	102.878	1491.54	483.865
Std Dev:	1.03902	82.0722	0.786813	2.66076	7.06068
%RSD:	0.558023	0.0321958	0.764801	0.17839	1.45923
Repeat:1	186.931	254858	103.435	1493.42	478.872
Repeat:2	185.462	254974	102.322	1489.66	488.857
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass

Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	507.401	250334	980.099	469.412	484.313
Std Dev:	0.389621	332.041	0.635383	0.62973	1.18601
%RSD:	0.0767876	0.132639	0.0648285	0.134153	0.244886
Repeat:1	507.125	250569	980.548	469.857	483.474
Repeat:2	507.676	250099	979.65	468.967	485.151
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass

Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	476.253	101192	65.9913	254773	469.436
Std Dev:	2.0173	309.121	121.624	63.8465	0.218102
%RSD:	0.423578	0.305479	184.303	0.0250601	0.0464604
Repeat:1	477.679	101411	151.992	254818	469.59
Repeat:2	474.827	100974	-20.0098	254728	469.281
QC Status Pass/Fail:	Pass	Pass	None	Pass	Pass

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	1008.94	55.0891	918.201	506.986	58.8289
Std Dev:	4.98911	36.582	0.494197	0.532948	1.44825
%RSD:	0.494491	66.4053	0.0538224	0.105121	2.4618
Repeat:1	1005.41	80.9565	917.851	506.609	59.853
Repeat:2	1012.46	29.2216	918.55	507.363	57.8049
QC Status Pass/Fail:	Pass	None	Pass	Pass	Pass

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	617.51	46.1933	988.77	1462.57	245.424
Std Dev:	3.67969	2.07766	1.1175	1.55362	0.657785
%RSD:	0.595892	4.49775	0.113019	0.106226	0.26802
Repeat:1	620.112	44.7242	989.56	1461.47	245.889
Repeat:2	614.908	47.6625	987.98	1463.66	244.959
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass

Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306

Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	502.154	101.635	502.402	981.651	338.058
Std Dev:	0.607424	2.07932	0.636695	2.28578	0.903342
%RSD:	0.120964	2.04588	0.12673	0.232851	0.267215
Repeat:1	502.584	103.105	502.852	980.034	337.42
Repeat:2	501.725	100.164	501.952	983.267	338.697
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	None

Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD	
Units:	----	----	----	
Avg. of Repeats:	3398.38	3309.03	5973.7	
Std Dev:	6.74296	12.4239	9.10529	
%RSD:	0.198417	0.375453	0.152423	
Repeat:1	3393.62	3300.25	5967.26	
Repeat:2	3403.15	3317.82	5980.14	
QC Status Pass/Fail:	None	None	None	

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	338.058	3398.38	3309.03	5973.7
Std Dev:	0.903342	6.74296	12.4239	9.10529
%RSD:	0.267215	0.198417	0.375453	0.152423
Repeat:1	337.42	3393.62	3300.25	5967.26
Repeat:2	338.697	3403.15	3317.82	5980.14

Sample Name	Acquisition date	Sample type	Correction factor
CCV	9/25/2010 2:29:11PM	QC	1.00

Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/4/3	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.436856	1.51752	0.0122395	0.230472	0.0171333
Std Dev:	0.00264489	0.0026892	0.000142048	0.000497757	0.000838738
%RSD:	0.605437	0.17721	1.16057	0.215973	4.89538
Repeat:1	0.438726	1.51942	0.01234	0.23012	0.0165402
Repeat:2	0.434986	1.51562	0.0121391	0.230824	0.0177263
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.535628	0.477853	0.173928	0.187235	0.2996
Std Dev:	0.00516786	0.000275754	4.17622e-005	8.8848e-007	0.000222589
%RSD:	0.964823	0.0577069	0.0240111	0.000474525	0.0742954
Repeat:1	0.539282	0.478048	0.173899	0.187235	0.299758
Repeat:2	0.531974	0.477658	0.173958	0.187236	0.299443
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	1.34393	5.3216	1.02046	0.56827	4.66498
Std Dev:	0.00542492	0.00332104	0.00224708	0.00349296	0.0024534
%RSD:	0.403662	0.0624067	0.220202	0.614666	0.0525917
Repeat:1	1.34776	5.32395	1.01887	0.57074	4.66672
Repeat:2	1.34009	5.31925	1.02205	0.5658	4.66325
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.174733	3.25282	0.116638	0.0159025	1.1694
Std Dev:	1.83829e-005	0.00173314	0.000249962	0.000251007	0.00245735
%RSD:	0.0105206	0.0532811	0.214307	1.57842	0.210138
Repeat:1	0.174746	3.25405	0.116814	0.01608	1.16766
Repeat:2	0.17472	3.2516	0.116461	0.015725	1.17114

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.0443729	0.0105487	0.972037	0.0368434	35.9022
Std Dev:	8.22519e-005	0.000673167	0.00122474	0.000371128	0.138364
%RSD:	0.185365	6.38154	0.125997	1.00731	0.385393
Repeat:1	0.0444311	0.0110247	0.971171	0.0371058	35.8043
Repeat:2	0.0443148	0.0100727	0.972903	0.0365809	36
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	2.40986	0.176291	0.713231	0.693173	366.513
Std Dev:	0.00819555	0.00248473	0.0037213	0.000108184	1.50241
%RSD:	0.340085	1.40945	0.521753	0.0156071	0.40992
Repeat:1	2.40406	0.174534	0.7106	0.69325	365.45
Repeat:2	2.41565	0.178048	0.715863	0.693097	367.575
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3538.22	3445.54	5995.33		
Std Dev:	12.7946	2.5274	25.3396		
%RSD:	0.36161	0.0733527	0.422657		
Repeat:1	3547.27	3443.75	6013.24		
Repeat:2	3529.18	3447.33	5977.41		
Corrected CTS/S					
Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.436856	1.51752	0.0122395	0.230472	0.0171333
Std Dev:	0.00264489	0.0026892	0.000142048	0.000497757	0.000838738
%RSD:	0.605437	0.17721	1.16057	0.215973	4.89538
Repeat:1	0.438726	1.51942	0.01234	0.23012	0.0165402
Repeat:2	0.434986	1.51562	0.0121391	0.230824	0.0177263
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.535628	0.477853	0.173928	0.187235	0.2996
Std Dev:	0.00516786	0.000275754	4.17622e-005	8.8848e-007	0.000222589
%RSD:	0.964823	0.0577069	0.0240111	0.000474525	0.0742954
Repeat:1	0.539282	0.478048	0.173899	0.187235	0.299758
Repeat:2	0.531974	0.477658	0.173958	0.187236	0.299443
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	1.34393	5.3216	1.02046	0.56827	4.66498
Std Dev:	0.00542492	0.00332104	0.00224708	0.00349296	0.0024534
%RSD:	0.403662	0.0624067	0.220202	0.614666	0.0525917
Repeat:1	1.34776	5.32395	1.01887	0.57074	4.66672
Repeat:2	1.34009	5.31925	1.02205	0.5658	4.66325
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.174733	3.25282	0.116638	0.0159025	1.1694
Std Dev:	1.83829e-005	0.00173314	0.000249962	0.000251007	0.00245735
%RSD:	0.0105206	0.0532811	0.214307	1.57842	0.210138
Repeat:1	0.174746	3.25405	0.116814	0.01608	1.16766
Repeat:2	0.17472	3.2516	0.116461	0.015725	1.17114
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.0443729	0.0105487	0.972037	0.0368434	35.9022
Std Dev:	8.22519e-005	0.000673167	0.00122474	0.000371128	0.138364
%RSD:	0.185365	6.38154	0.125997	1.00731	0.385393
Repeat:1	0.0444311	0.0110247	0.971171	0.0371058	35.8043
Repeat:2	0.0443148	0.0100727	0.972903	0.0365809	36
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	2.40986	0.176291	0.713231	0.693173	366.513
Std Dev:	0.00819555	0.00248473	0.0037213	0.000108184	1.50241
%RSD:	0.340085	1.40945	0.521753	0.0156071	0.40992

Repeat:1	2.40406	0.174534	0.7106	0.69325	365.45
Repeat:2	2.41565	0.178048	0.715863	0.693097	367.575
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3538.22	3445.54	5995.33		
Std Dev:	12.7946	2.5274	25.3396		
%RSD:	0.36161	0.0733527	0.422657		
Repeat:1	3547.27	3443.75	6013.24		
Repeat:2	3529.18	3447.33	5977.41		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	96.3827	30550.6	100.591	714.056	193.581
Std Dev:	0.576706	54.09	1.23577	1.56348	9.38124
%RSD:	0.598351	0.17705	1.2285	0.218958	4.84615
Repeat:1	96.7905	30588.9	101.465	712.95	186.948
Repeat:2	95.9749	30512.4	99.7176	715.161	200.215
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	101.11	30210.7	99.4866	193.977	198.116
Std Dev:	0.968357	17.4284	0.0275798	0.00484042	0.147387
%RSD:	0.957726	0.0576894	0.0277221	0.00249535	0.0743944
Repeat:1	101.795	30223	99.4671	193.981	198.221
Repeat:2	100.425	30198.4	99.5061	193.974	198.012
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	187.696	30567.2	30500.5	30575.3	191.75
Std Dev:	0.785473	19.0474	65.6482	187.987	0.0977504
%RSD:	0.41848	0.0623132	0.215236	0.614832	0.0509781
Repeat:1	188.252	30580.7	30454.1	30708.2	191.819
Repeat:2	187.141	30553.7	30547	30442.4	191.681
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	203.803	30405.6	192.645	206.755	410.315
Std Dev:	0.0215446	15.9939	0.427619	3.17808	0.838953
%RSD:	0.0105713	0.0526019	0.221973	1.53712	0.204465
Repeat:1	203.818	30416.9	192.947	209.002	409.722
Repeat:2	203.788	30394.3	192.342	204.508	410.909
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	309.891	100.848	1017.03	199.108	294.309
Std Dev:	0.587966	8.43686	1.37116	2.02889	1.1344
%RSD:	0.189733	8.36593	0.13482	1.01899	0.385446
Repeat:1	310.306	106.814	1016.06	200.543	293.507
Repeat:2	309.475	94.8821	1018	197.674	295.112
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	399.005	101.107	201.079	201.841	366.513
Std Dev:	1.34666	1.44123	1.04131	0.0217603	1.50241

%RSD:	0.337505	1.42545	0.517863	0.0107809	0.40992
Repeat:1	398.053	100.088	200.343	201.856	365.45
Repeat:2	399.957	102.126	201.815	201.825	367.575
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	None
Element/Wavelength	Y_HWAX	Y_LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3538.22	3445.54	5995.33		
Std Dev:	12.7946	2.5274	25.3396		
%RSD:	0.36161	0.0733527	0.422657		
Repeat:1	3547.27	3443.75	6013.24		
Repeat:2	3529.18	3447.33	5977.41		
QC Status Pass/Fail:	None	None	None		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Avg. of Repeats:	366.513	3538.22	3445.54	5995.33
Std Dev:	1.50241	12.7946	2.5274	25.3396
%RSD:	0.40992	0.36161	0.0733527	0.422657
Repeat:1	365.45	3547.27	3443.75	6013.24
Repeat:2	367.575	3529.18	3447.33	5977.41

Sample Name	Acquisition date	Sample type	Correction factor
CCB	9/25/2010 2:33:00PM	QC	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/5/3	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00137411	0.00349571	0.000775484	0.00134979	-0.000412327
Std Dev:	0.00306602	0.000651113	6.56008e-005	0.000163862	1.91865e-005
%RSD:	223.128	18.6261	8.45933	12.1398	4.65323
Repeat:1	0.000793897	0.0030353	0.00082187	0.00123392	-0.000398761
Repeat:2	-0.00354211	0.00395611	0.000729097	0.00146566	-0.000425894
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.00108269	0.000543584	-0.00393245	-0.00420052	-0.000154972
Std Dev:	0.00149143	0.000284701	0.000154194	0.000525167	0.000510336
%RSD:	137.752	52.3749	3.92106	12.5024	329.309
Repeat:1	-0.0021373	0.000342269	-0.00382342	-0.00382917	0.00020589
Repeat:2	-2.80893e-005	0.000744898	-0.00404148	-0.00457187	-0.000515834
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0442677	-0.00152583	-0.0197821	0.00190653	0.00891867
Std Dev:	0.00349907	0.00116203	0.000140137	0.000457082	0.00155315
%RSD:	7.90434	76.1573	0.708405	23.9745	17.4146
Repeat:1	0.0417935	-0.000704152	-0.0198812	0.00222974	0.0100169
Repeat:2	0.046742	-0.00234752	-0.019683	0.00158332	0.00782042
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.00149051	-0.0431092	0.00438072	-0.000456818	-0.00770761
Std Dev:	0.000436916	0.000942	6.32675e-005	5.02572e-005	0.00103875
%RSD:	29.3131	2.18515	1.44423	11.0016	13.477
Repeat:1	0.00179946	-0.0424431	0.00442546	-0.00042128	-0.0069731
Repeat:2	0.00118157	-0.0437753	0.00433598	-0.000492355	-0.00844212
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000717658	0.00247051	0.0702372	0.000636547	0.0289271
Std Dev:	1.21332e-005	0.000210491	0.00141484	0.000112939	0.00275398

%RSD:	1.69067	8.52014	2.01437	17.7424	9.52044
Repeat:1	0.000709079	0.00261935	0.0692368	0.000716407	0.0269797
Repeat:2	0.000726238	0.00232167	0.0712377	0.000556687	0.0308744
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0155658	-0.0022896	-0.00356263	0.00383133	386.164
Std Dev:	0.00160885	0.00191855	2.99168e-005	0.000325919	0.733108
%RSD:	10.3358	83.7938	0.839741	8.50669	0.189844
Repeat:1	-0.0144282	-0.000932986	-0.00354147	0.00406179	385.646
Repeat:2	-0.0167035	-0.00364622	-0.00358378	0.00360087	386.683
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3606.85	3487.63	6003.02		
Std Dev:	12.8693	13.6811	22.0971		
%RSD:	0.356802	0.392275	0.368099		
Repeat:1	3615.95	3477.95	6018.65		
Repeat:2	3597.75	3497.3	5987.4		
<u>Corrected CTS/S</u>					
Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00137411	0.00349571	0.000775484	0.00134979	-0.000412327
Std Dev:	0.00306602	0.000651113	6.56008e-005	0.000163862	1.91865e-005
%RSD:	223.128	18.6261	8.45933	12.1398	4.65323
Repeat:1	0.000793897	0.0030353	0.00082187	0.00123392	-0.000398761
Repeat:2	-0.00354211	0.00395611	0.000729097	0.00146566	-0.000425894
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.00108269	0.000543584	-0.00393245	-0.00420052	-0.000154972
Std Dev:	0.00149143	0.000284701	0.000154194	0.000525167	0.000510336
%RSD:	137.752	52.3749	3.92106	12.5024	329.309
Repeat:1	-0.0021373	0.000342269	-0.00382342	-0.00382917	0.00020589
Repeat:2	-2.80893e-005	0.000744898	-0.00404148	-0.00457187	-0.000515834
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0442677	-0.00152583	-0.0197821	0.00190653	0.00891867
Std Dev:	0.00349907	0.00116203	0.000140137	0.000457082	0.00155315
%RSD:	7.90434	76.1573	0.708405	23.9745	17.4146
Repeat:1	0.0417935	-0.000704152	-0.0198812	0.00222974	0.0100169
Repeat:2	0.046742	-0.00234752	-0.019683	0.00158332	0.00782042
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.00149051	-0.0431092	0.00438072	-0.000456818	-0.00770761
Std Dev:	0.000436916	0.000942	6.32675e-005	5.02572e-005	0.00103875
%RSD:	29.3131	2.18515	1.44423	11.0016	13.477
Repeat:1	0.00179946	-0.0424431	0.00442546	-0.00042128	-0.0069731
Repeat:2	0.00118157	-0.0437753	0.00433598	-0.000492355	-0.00844212
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000717658	0.00247051	0.0702372	0.000636547	0.0289271
Std Dev:	1.21332e-005	0.000210491	0.00141484	0.000112939	0.00275398
%RSD:	1.69067	8.52014	2.01437	17.7424	9.52044
Repeat:1	0.000709079	0.00261935	0.0692368	0.000716407	0.0269797
Repeat:2	0.000726238	0.00232167	0.0712377	0.000556687	0.0308744
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0155658	-0.0022896	-0.00356263	0.00383133	386.164
Std Dev:	0.00160885	0.00191855	2.99168e-005	0.000325919	0.733108
%RSD:	10.3358	83.7938	0.839741	8.50669	0.189844
Repeat:1	-0.0144282	-0.000932986	-0.00354147	0.00406179	385.646
Repeat:2	-0.0167035	-0.00364622	-0.00358378	0.00360087	386.683
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		

Avg. of Repeats:	3606.85	3487.63	6003.02
Std Dev:	12.8693	13.6811	22.0971
%RSD:	0.356802	0.392275	0.368099
Repeat:1	3615.95	3477.95	6018.65
Repeat:2	3597.75	3497.3	5987.4

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.7551	101.559	-0.552992	3.64435	-3.03931
Std Dev:	0.66886	13.1175	0.573255	0.536689	0.214568
%RSD:	88.579	12.916	103.664	14.7266	7.05976
Repeat:1	1.22806	92.284	-0.14764	3.26485	-2.88759
Repeat:2	0.282144	110.835	-0.958345	4.02384	-3.19103
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.0896715	43.5315	-0.0391295	0.316188	0.21718
Std Dev:	0.279523	17.9938	0.0846484	0.532976	0.336746
%RSD:	311.718	41.3352	216.329	168.563	155.054
Repeat:1	-0.107981	30.8079	0.020726	0.693059	0.455296
Repeat:2	0.287324	56.255	-0.0989849	-0.0606826	-0.0209353
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.299851	56.8626	109.902	83.7318	0.383085
Std Dev:	0.507284	6.63258	4.0941	24.606	0.0635764
%RSD:	169.179	11.6642	3.72523	29.3867	16.5959
Repeat:1	-0.058853	61.5526	107.007	101.131	0.42804
Repeat:2	0.658555	52.1727	112.797	66.3328	0.33813
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.846003	-10.2098	1.34347	-0.786798	2.52791
Std Dev:	0.51181	8.69306	0.107867	0.637359	0.355445
%RSD:	60.4974	85.1441	8.029	81.0067	14.0608
Repeat:1	1.20791	-4.0629	1.41975	-0.336117	2.77925
Repeat:2	0.484099	-16.3567	1.2672	-1.23748	2.27657
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	4.83699	1.92065	5.5577	1.17201	0.196821
Std Dev:	0.0838862	2.63871	1.59019	0.617417	0.022579
%RSD:	1.73427	137.386	28.6123	52.6804	11.4718
Repeat:1	4.77767	3.7865	4.43327	1.60858	0.180856
Repeat:2	4.8963	0.0547987	6.68213	0.735426	0.212787
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	0.607981	-1.63376	0.172133	0.244279	386.164
Std Dev:	0.264066	1.11292	0.0111445	0.095847	0.733108
%RSD:	43.4332	68.1203	6.47433	39.2367	0.189844
Repeat:1	0.794703	-0.846807	0.180013	0.312053	385.646
Repeat:2	0.421258	-2.42072	0.164252	0.176505	386.683

QC Status Pass/Fail:	Pass	Pass	Pass	Pass	None
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3606.85	3487.63	6003.02		
Std Dev:	12.8693	13.6811	22.0971		
%RSD:	0.356802	0.392275	0.368099		
Repeat:1	3615.95	3477.95	6018.65		
Repeat:2	3597.75	3497.3	5987.4		
QC Status Pass/Fail:	None	None	None		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	386.164	3606.85	3487.63	6003.02
Std Dev:	0.733108	12.8693	13.6811	22.0971
%RSD:	0.189844	0.356802	0.392275	0.368099
Repeat:1	385.646	3615.95	3477.95	6018.65
Repeat:2	386.683	3597.75	3497.3	5987.4

Sample Name	Acquisition date	Sample type	Correction factor
200-1622-a-9-a	9/25/2010 2:36:54PM	Unknown	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/6/3	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00719482	0.0719953	0.000728786	0.0329413	0.00797129
Std Dev:	0.000658834	0.00318178	0.000151218	2.14035e-006	0.000249384
%RSD:	9.15706	4.41942	20.7493	0.00649748	3.12853
Repeat:1	-0.00672895	0.0697455	0.000621859	0.0329398	0.00814763
Repeat:2	-0.00766069	0.0742452	0.000835713	0.0329428	0.00779495
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.000293502	0.249348	-0.00333198	-0.00405362	0.0163273
Std Dev:	5.18411e-006	0.00199507	0.000487686	0.000300087	5.17878e-005
%RSD:	1.76629	0.800112	14.6365	7.40294	0.317185
Repeat:1	-0.000289837	0.250759	-0.00367683	-0.00426581	0.0162907
Repeat:2	-0.000297168	0.247938	-0.00298714	-0.00384142	0.0163639
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0533759	-0.00696072	0.430564	0.156506	0.901726
Std Dev:	0.0117147	0.000185558	0.00170593	0.000284608	0.00487106
%RSD:	21.9476	2.66578	0.396208	0.181852	0.540193
Repeat:1	0.0450924	-0.00709193	0.429358	0.156304	0.90517
Repeat:2	0.0616595	-0.00682951	0.43177	0.156707	0.898281
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000587194	2.43941	0.0247893	0.00430144	-0.00128918
Std Dev:	0.000474087	0.00419071	2.1185e-005	0.000176546	0.00959223
%RSD:	80.7377	0.171792	0.0854602	4.10435	744.058
Repeat:1	0.000922424	2.44238	0.0247743	0.00417661	-0.00807191
Repeat:2	0.000251964	2.43645	0.0248043	0.00442628	0.00549355
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000355518	0.00237229	7.86181	0.000366003	11.5144
Std Dev:	0.000154276	0.000172949	0.0479669	8.04134e-005	0.131061
%RSD:	43.3947	7.29039	0.610125	21.9707	1.13824
Repeat:1	0.000464607	0.00249458	7.89573	0.000422864	11.6071
Repeat:2	0.000246428	0.00225	7.82789	0.000309142	11.4217

Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0127851	-0.00292556	-0.000671963	0.699415	380.798
Std Dev:	0.000556654	0.00153865	0.00289961	0.000303961	0.15042
%RSD:	4.35393	52.5935	431.513	0.0434593	0.0395013
Repeat:1	-0.0131787	-0.00401355	-0.00272229	0.6992	380.904
Repeat:2	-0.0123915	-0.00183756	0.00137837	0.69963	380.692
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3593.65	3496.26	6099.67		
Std Dev:	22.1876	2.08582	66.9876		
%RSD:	0.617411	0.0596588	1.09822		
Repeat:1	3577.96	3494.78	6052.3		
Repeat:2	3609.34	3497.73	6147.04		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00719482	0.0719953	0.000728786	0.0329413	0.00797129
Std Dev:	0.000658834	0.00318178	0.000151218	2.14035e-006	0.000249384
%RSD:	9.15706	4.41942	20.7493	0.00649748	3.12853
Repeat:1	-0.00672895	0.0697455	0.000621859	0.0329398	0.00814763
Repeat:2	-0.00766069	0.0742452	0.000835713	0.0329428	0.00779495
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.000293502	0.249348	-0.00333198	-0.00405362	0.0163273
Std Dev:	5.18411e-006	0.00199507	0.000487686	0.000300087	5.17878e-005
%RSD:	1.76629	0.800112	14.6365	7.40294	0.317185
Repeat:1	-0.000289837	0.250759	-0.00367683	-0.00426581	0.0162907
Repeat:2	-0.000297168	0.247938	-0.00298714	-0.00384142	0.0163639
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0533759	-0.00696072	0.430564	0.156506	0.901726
Std Dev:	0.0117147	0.000185558	0.00170593	0.000284608	0.00487106
%RSD:	21.9476	2.66578	0.396208	0.181852	0.540193
Repeat:1	0.0450924	-0.00709193	0.429358	0.156304	0.90517
Repeat:2	0.0616595	-0.00682951	0.43177	0.156707	0.898281
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000587194	2.43941	0.0247893	0.00430144	-0.00128918
Std Dev:	0.000474087	0.00419071	2.1185e-005	0.000176546	0.00959223
%RSD:	80.7377	0.171792	0.0854602	4.10435	744.058
Repeat:1	0.000922424	2.44238	0.0247743	0.00417661	-0.00807191
Repeat:2	0.000251964	2.43645	0.0248043	0.00442628	0.00549355
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000355518	0.00237229	7.86181	0.000366003	11.5144
Std Dev:	0.000154276	0.000172949	0.0479669	8.04134e-005	0.131061
%RSD:	43.3947	7.29039	0.610125	21.9707	1.13824
Repeat:1	0.000464607	0.00249458	7.89573	0.000422864	11.6071
Repeat:2	0.000246428	0.00225	7.82789	0.000309142	11.4217
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0127851	-0.00292556	-0.000671963	0.699415	380.798
Std Dev:	0.000556654	0.00153865	0.00289961	0.000303961	0.15042
%RSD:	4.35393	52.5935	431.513	0.0434593	0.0395013
Repeat:1	-0.0131787	-0.00401355	-0.00272229	0.6992	380.904
Repeat:2	-0.0123915	-0.00183756	0.00137837	0.69963	380.692
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3593.65	3496.26	6099.67		
Std Dev:	22.1876	2.08582	66.9876		
%RSD:	0.617411	0.0596588	1.09822		

Repeat:1	3577.96	3494.78	6052.3
Repeat:2	3609.34	3497.73	6147.04

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.521819	1481.53	-0.870096	102.861	90.711
Std Dev:	0.143663	63.9982	1.3146	0.0307869	2.78701
%RSD:	27.5313	4.31974	151.087	0.0299304	3.07241
Repeat:1	-0.420233	1436.28	-1.79966	102.84	92.6817
Repeat:2	-0.623404	1526.78	0.0594671	102.883	88.7402
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.237976	15768.6	0.299247	0.425715	11.0942
Std Dev:	0.00106229	126.093	0.26959	0.304204	0.0340948
%RSD:	0.446385	0.799646	90.0896	71.4572	0.30732
Repeat:1	0.238727	15857.8	0.108618	0.21061	11.0701
Repeat:2	0.237225	15679.5	0.489876	0.64082	11.1183
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	1.62066	25.6938	13266.7	8404.09	37.0335
Std Dev:	1.69745	1.04607	49.8386	15.3141	0.20105
%RSD:	104.738	4.07128	0.375666	0.182222	0.542888
Repeat:1	0.420385	24.9541	13231.5	8393.26	37.1757
Repeat:2	2.82094	26.4335	13302	8414.92	36.8913
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.208086	22899.2	36.3037	59.456	4.83621
Std Dev:	0.555367	38.6731	0.0366046	2.23414	3.30757
%RSD:	266.893	0.168884	0.100829	3.75764	68.3918
Repeat:1	0.184618	22926.6	36.2778	57.8762	2.49741
Repeat:2	-0.60079	22871.9	36.3296	61.0358	7.17502
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	2.14468	0.619537	8756.91	-0.307008	94.3623
Std Dev:	1.08621	2.16979	53.8771	0.439606	1.07453
%RSD:	50.647	350.228	0.615252	143.19	1.13872
Repeat:1	2.91275	2.15381	8795.01	0.00384025	95.1221
Repeat:2	1.37661	-0.914736	8718.82	-0.617856	93.6025
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	1.06301	-2.07465	0.975529	206.828	380.798
Std Dev:	0.0916901	0.891423	0.808542	0.0889776	0.15042
%RSD:	8.62551	42.9674	82.8824	0.04302	0.0395013
Repeat:1	0.998176	-2.70498	0.403804	206.766	380.904
Repeat:2	1.12785	-1.44432	1.54726	206.891	380.692
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3593.65	3496.26	6099.67		
Std Dev:	22.1876	2.08582	66.9876		
%RSD:	0.617411	0.0596588	1.09822		
Repeat:1	3577.96	3494.78	6052.3		
Repeat:2	3609.34	3497.73	6147.04		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Avg. of Repeats:	380.798	3593.65	3496.26	6099.67
Std Dev:	0.15042	22.1876	2.08582	66.9876
%RSD:	0.0395013	0.617411	0.0596588	1.09822
Repeat:1	380.904	3577.96	3494.78	6052.3
Repeat:2	380.692	3609.34	3497.73	6147.04

Sample Name	Acquisition date	Sample type	Correction factor
200-1622-e-10-a	9/25/2010 2:40:46PM	Unknown	1.00

Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/7/3	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.001558	0.0703717	0.00058746	0.0321217	0.00761899
Std Dev:	0.000751027	0.00239269	0.000177679	0.000248578	0.000402477
%RSD:	48.2044	3.40007	30.2453	0.773861	5.28255
Repeat:1	-0.00208906	0.0720636	0.000461822	0.031946	0.00790358
Repeat:2	-0.00102695	0.0686799	0.000713098	0.0322975	0.00733439

Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.00130081	0.244119	-0.00365084	-0.00446545	0.0166497
Std Dev:	0.000490487	0.00045077	0.000603389	0.000133153	0.000849388
%RSD:	37.7063	0.184652	16.5274	2.98185	5.10153
Repeat:1	0.00164764	0.244438	-0.00322418	-0.0045596	0.0160491
Repeat:2	0.000953984	0.2438	-0.0040775	-0.00437129	0.0172503

Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0853021	-0.00131503	0.420199	0.153163	0.889693
Std Dev:	0.00513656	0.000367819	0.0012998	0.000630906	0.00189861
%RSD:	6.02161	27.9704	0.30933	0.411919	0.213401
Repeat:1	0.0889342	-0.00105494	0.41928	0.153609	0.891036
Repeat:2	0.08167	-0.00157511	0.421118	0.152717	0.888351

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000370599	2.37925	0.0250969	0.00408238	-0.00463808
Std Dev:	6.05563e-005	0.010908	5.8355e-006	0.000208202	0.000821708
%RSD:	16.3401	0.458462	0.0232518	5.10001	17.7166
Repeat:1	0.000327779	2.38697	0.0250928	0.0042296	-0.00405704
Repeat:2	0.000413419	2.37154	0.0251011	0.00393516	-0.00521912

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000362739	0.00247599	7.76238	0.000531811	11.2934
Std Dev:	3.29571e-005	0.000163212	0.0136851	0.000191384	0.156664
%RSD:	9.08563	6.59178	0.1763	35.9871	1.38722
Repeat:1	0.000386043	0.00236058	7.77205	0.00066714	11.4041
Repeat:2	0.000339435	0.0025914	7.7527	0.000396483	11.1826

Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0126339	-0.00255681	0.000419852	0.690683	383.515
Std Dev:	0.00366758	0.00146703	6.38586e-005	0.000790379	1.69562
%RSD:	29.0298	57.3772	15.2098	0.114434	0.442126
Repeat:1	-0.0152272	-0.00359416	0.000465007	0.690124	382.316
Repeat:2	-0.0100405	-0.00151947	0.000374697	0.691242	384.714

Element/Wavelength	Y_HWAX	Y_LWAX	Y_HWRD
Avg. of Repeats:	3597.29	3498.97	6132.41
Std Dev:	1.71229	5.97801	71.0136
%RSD:	0.0475996	0.17085	1.158

Repeat:1	3598.5	3494.75	6082.2
Repeat:2	3596.08	3503.2	6182.63

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.001558	0.0703717	0.00058746	0.0321217	0.00761899
Std Dev:	0.000751027	0.00239269	0.000177679	0.000248578	0.000402477
%RSD:	48.2044	3.40007	30.2453	0.773861	5.28255

Repeat:1	-0.00208906	0.0720636	0.000461822	0.031946	0.00790358
Repeat:2	-0.00102695	0.0686799	0.000713098	0.0322975	0.00733439

Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.00130081	0.244119	-0.00365084	-0.00446545	0.0166497
Std Dev:	0.000490487	0.00045077	0.000603389	0.000133153	0.000849388
%RSD:	37.7063	0.184652	16.5274	2.98185	5.10153

Repeat:1	0.00164764	0.244438	-0.00322418	-0.0045596	0.0160491
Repeat:2	0.000953984	0.2438	-0.0040775	-0.00437129	0.0172503

Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0853021	-0.00131503	0.420199	0.153163	0.889693
Std Dev:	0.00513656	0.000367819	0.0012998	0.000630906	0.00189861
%RSD:	6.02161	27.9704	0.30933	0.411919	0.213401

Repeat:1	0.0889342	-0.00105494	0.41928	0.153609	0.891036
Repeat:2	0.08167	-0.00157511	0.421118	0.152717	0.888351

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000370599	2.37925	0.0250969	0.00408238	-0.00463808
Std Dev:	6.05563e-005	0.010908	5.8355e-006	0.000208202	0.000821708
%RSD:	16.3401	0.458462	0.0232518	5.10001	17.7166

Repeat:1	0.000327779	2.38697	0.0250928	0.0042296	-0.00405704
Repeat:2	0.000413419	2.37154	0.0251011	0.00393516	-0.00521912

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000362739	0.00247599	7.76238	0.000531811	11.2934
Std Dev:	3.29571e-005	0.000163212	0.0136851	0.000191384	0.156664
%RSD:	9.08563	6.59178	0.1763	35.9871	1.38722

Repeat:1	0.000386043	0.00236058	7.77205	0.00066714	11.4041
Repeat:2	0.000339435	0.0025914	7.7527	0.000396483	11.1826

Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0126339	-0.00255681	0.000419852	0.690683	383.515
Std Dev:	0.00366758	0.00146703	6.38586e-005	0.000790379	1.69562
%RSD:	29.0298	57.3772	15.2098	0.114434	0.442126

Repeat:1	-0.0152272	-0.00359416	0.000465007	0.690124	382.316
Repeat:2	-0.0100405	-0.00151947	0.000374697	0.691242	384.714

Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	3597.29	3498.97	6132.41
Std Dev:	1.71229	5.97801	71.0136
%RSD:	0.0475996	0.17085	1.158
Repeat:1	3598.5	3494.75	6082.2
Repeat:2	3596.08	3503.2	6182.63

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.707907	1448.84	-2.09637	100.3	86.772
Std Dev:	0.16395	48.1307	1.55008	0.777237	4.50067
%RSD:	23.1599	3.32202	73.941	0.774915	5.18678
Repeat:1	0.591977	1482.87	-3.19244	99.75	89.9545
Repeat:2	0.823838	1414.81	-1.0003	100.849	83.5896

Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.537007	15438.1	0.124176	0.00873732	11.3072
Std Dev:	0.0914241	28.4898	0.34407	0.135528	0.560496
%RSD:	17.0248	0.184542	277.082	1551.13	4.957
Repeat:1	0.601653	15458.2	0.36747	-0.0870951	10.9108
Repeat:2	0.47236	15418	-0.119118	0.10457	11.7035
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	6.2456	58.0875	12963.9	8224.19	36.5408
Std Dev:	0.744194	2.11644	37.9736	33.9521	0.0776477
%RSD:	11.9155	3.64354	0.292918	0.412833	0.212496
Repeat:1	6.77182	59.584	12937.1	8248.19	36.5957
Repeat:2	5.71937	56.5909	12990.8	8200.18	36.4859
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.46186	22344.1	36.8299	56.6819	3.69843
Std Dev:	0.070927	100.662	0.0100113	2.63593	0.28827
%RSD:	15.3568	0.450509	0.0271824	4.65038	7.79439
Repeat:1	-0.512013	22415.3	36.8229	58.5458	3.90227
Repeat:2	-0.411707	22272.9	36.837	54.8181	3.49459
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	2.1984	1.91994	8645.23	0.599435	92.55
Std Dev:	0.246416	2.04775	15.3725	1.04626	1.28443
%RSD:	11.2089	106.657	0.177815	174.541	1.38782
Repeat:1	2.37264	0.471962	8656.1	1.33925	93.4583
Repeat:2	2.02416	3.36791	8634.36	-0.140382	91.6418
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	1.08792	-1.85977	1.27894	204.23	383.515
Std Dev:	0.602476	0.851839	0.0179455	0.237314	1.69562
%RSD:	55.3787	45.8035	1.40316	0.116199	0.442126
Repeat:1	0.661905	-2.46211	1.29163	204.063	382.316
Repeat:2	1.51393	-1.25743	1.26625	204.398	384.714
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3597.29	3498.97	6132.41		
Std Dev:	1.71229	5.97801	71.0136		
%RSD:	0.0475996	0.17085	1.158		
Repeat:1	3598.5	3494.75	6082.2		
Repeat:2	3596.08	3503.2	6182.63		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	383.515	3597.29	3498.97	6132.41
Std Dev:	1.69562	1.71229	5.97801	71.0136
%RSD:	0.442126	0.0475996	0.17085	1.158
Repeat:1	382.316	3598.5	3494.75	6082.2
Repeat:2	384.714	3596.08	3503.2	6182.63

Sample Name	Acquisition date	Sample type	Correction factor
CRI	9/25/2010 2:44:38PM	QC	1.00

Autosampler Locations
(rack/row/col)

Valid

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Analyst Name

Method Name

10/06/2010

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RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.0399441	0.0111105	0.00196078	0.000792976	0.01679
Std Dev:	0.00397697	0.000812219	7.96457e-005	0.000389146	0.000300656
%RSD:	9.95635	7.31037	4.06194	49.0742	1.79068
Repeat:1	0.0427562	0.0116848	0.00190446	0.000517808	0.0165774
Repeat:2	0.0371319	0.0105362	0.0020171	0.00106814	0.0170026
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.0258487	0.0854174	0.00481223	0.0447844	0.0152538
Std Dev:	0.000849759	0.000376047	0.000406326	0.000280877	0.000307748
%RSD:	3.28744	0.440246	8.44361	0.627175	2.01751
Repeat:1	0.0264495	0.0851515	0.00509954	0.044983	0.0150362
Repeat:2	0.0252478	0.0856833	0.00452491	0.0445858	0.0154714
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.207747	0.0095554	0.163365	0.0998219	0.36198
Std Dev:	0.000263665	0.00244726	0.00425179	0.000472606	0.000276281
%RSD:	0.126916	25.6113	2.60263	0.473449	0.0763251
Repeat:1	0.20756	0.0112859	0.160358	0.0994877	0.361784
Repeat:2	0.207933	0.00782492	0.166371	0.100156	0.362175
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000391021	0.544575	0.0267647	-0.000254095	0.0262862
Std Dev:	0.000341917	0.00264497	0.00051905	0.000204409	0.000796144
%RSD:	87.442	0.485694	1.93931	80.4457	3.02876
Repeat:1	0.000632793	0.542705	0.0271317	-0.000398634	0.0257232
Repeat:2	0.000149249	0.546446	0.0263977	-0.000109557	0.0268491
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.00909264	0.00496643	0.0753104	0.00048735	0.0294963
Std Dev:	0.000181544	0.000352026	0.00408395	0.000159045	0.000736257
%RSD:	1.9966	7.08811	5.42283	32.6346	2.4961
Repeat:1	0.00896427	0.00471751	0.0724226	0.000599812	0.0289757
Repeat:2	0.00922101	0.00521535	0.0781982	0.000374889	0.0300169
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0146573	0.0406815	0.177365	0.207384	387.555
Std Dev:	0.000755678	0.000502614	0.00202865	2.93338e-005	0.372542
%RSD:	5.15566	1.23549	1.14377	0.0141447	0.0961261
Repeat:1	-0.0141229	0.0410369	0.175931	0.207363	387.819
Repeat:2	-0.0151916	0.0403261	0.1788	0.207405	387.292
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3602.47	3497.29	6064.32		
Std Dev:	6.10739	8.73277	32.4916		
%RSD:	0.169533	0.249701	0.535782		
Repeat:1	3606.79	3491.11	6041.35		
Repeat:2	3598.16	3503.46	6087.3		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.0399441	0.0111105	0.00196078	0.000792976	0.01679
Std Dev:	0.00397697	0.000812219	7.96457e-005	0.000389146	0.000300656
%RSD:	9.95635	7.31037	4.06194	49.0742	1.79068
Repeat:1	0.0427562	0.0116848	0.00190446	0.000517808	0.0165774
Repeat:2	0.0371319	0.0105362	0.0020171	0.00106814	0.0170026
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.0258487	0.0854174	0.00481223	0.0447844	0.0152538

Std Dev:	0.000849759	0.000376047	0.000406326	0.000280877	0.000307748
%RSD:	3.28744	0.440246	8.44361	0.627175	2.01751
Repeat:1	0.0264495	0.0851515	0.00509954	0.044983	0.0150362
Repeat:2	0.0252478	0.0856833	0.00452491	0.0445858	0.0154714
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.207747	0.0095554	0.163365	0.0998219	0.36198
Std Dev:	0.000263665	0.00244726	0.00425179	0.000472606	0.000276281
%RSD:	0.126916	25.6113	2.60263	0.473449	0.0763251
Repeat:1	0.20756	0.0112859	0.160358	0.0994877	0.361784
Repeat:2	0.207933	0.00782492	0.166371	0.100156	0.362175
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000391021	0.544575	0.0267647	-0.000254095	0.0262862
Std Dev:	0.000341917	0.00264497	0.00051905	0.000204409	0.000796144
%RSD:	87.442	0.485694	1.93931	80.4457	3.02876
Repeat:1	0.000632793	0.542705	0.0271317	-0.000398634	0.0257232
Repeat:2	0.000149249	0.546446	0.0263977	-0.000109557	0.0268491
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.00909264	0.00496643	0.0753104	0.00048735	0.0294963
Std Dev:	0.000181544	0.000352026	0.00408395	0.000159045	0.000736257
%RSD:	1.9966	7.08811	5.42283	32.6346	2.4961
Repeat:1	0.00896427	0.00471751	0.0724226	0.000599812	0.0289757
Repeat:2	0.00922101	0.00521535	0.0781982	0.000374889	0.0300169
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0146573	0.0406815	0.177365	0.207384	387.555
Std Dev:	0.000755678	0.000502614	0.00202865	2.93338e-005	0.372542
%RSD:	5.15566	1.23549	1.14377	0.0141447	0.0961261
Repeat:1	-0.0141229	0.0410369	0.175931	0.207363	387.819
Repeat:2	-0.0151916	0.0403261	0.1788	0.207405	387.292
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3602.47	3497.29	6064.32		
Std Dev:	6.10739	8.73277	32.4916		
%RSD:	0.169533	0.249701	0.535782		
Repeat:1	3606.79	3491.11	6041.35		
Repeat:2	3598.16	3503.46	6087.3		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	9.76548	255.518	9.84324	1.95245	189.429
Std Dev:	0.867567	16.3181	0.694521	1.23905	3.36322
%RSD:	8.88402	6.38628	7.05581	63.461	1.77545
Repeat:1	10.3789	267.056	9.35214	1.07631	187.051
Repeat:2	9.15201	243.979	10.3343	2.82859	191.807
QC Status Pass/Fail:	Pass	Pass	Pass	None	Pass
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	5.13064	5407.77	4.83388	49.9314	10.3908
Std Dev:	0.159649	23.7671	0.230545	0.286346	0.202824
%RSD:	3.11168	0.439499	4.76936	0.57348	1.95196
Repeat:1	5.24353	5390.97	4.9969	50.1339	10.2474
Repeat:2	5.01775	5424.58	4.67086	49.7289	10.5342
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb

Avg. of Repeats:	23.9849	117.522	5460.53	5353.45	14.841
Std Dev:	0.0386317	14.0184	124.216	25.4285	0.0109314
%RSD:	0.161067	11.9283	2.27479	0.474993	0.0736569
Repeat:1	23.9576	127.435	5372.69	5335.47	14.8333
Repeat:2	24.0122	107.61	5548.36	5371.43	14.8487
QC Status Pass/Fail:	Pass	Fail	Pass	Pass	Pass
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.44034	5413.12	39.685	1.77727	14.3078
Std Dev:	0.40052	24.4086	0.888458	2.58723	0.271909
%RSD:	90.957	0.450915	2.23877	145.574	1.90042
Repeat:1	-0.157129	5395.86	40.3132	-0.0521845	14.1156
Repeat:2	-0.72355	5430.38	39.0568	3.60672	14.5001
QC Status Pass/Fail:	None	Pass	Pass	None	Fail
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	63.6057	33.1937	11.1504	0.356374	0.201489
Std Dev:	1.26619	4.41451	4.58623	0.869468	0.00603632
%RSD:	1.99069	13.2992	41.1304	243.976	2.99586
Repeat:1	62.7104	30.0722	7.90749	0.971181	0.19722
Repeat:2	64.501	36.3153	14.3934	-0.258433	0.205757
QC Status Pass/Fail:	Pass	Pass	None	None	None
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	0.75564	23.0943	50.8347	60.4752	387.555
Std Dev:	0.124042	0.292784	0.566193	0.0129411	0.372542
%RSD:	16.4155	1.26777	1.11379	0.021399	0.0961261
Repeat:1	0.843351	23.3014	50.4343	60.4661	387.819
Repeat:2	0.667929	22.8873	51.2351	60.4844	387.292
QC Status Pass/Fail:	None	Pass	Pass	Pass	None
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3602.47	3497.29	6064.32		
Std Dev:	6.10739	8.73277	32.4916		
%RSD:	0.169533	0.249701	0.535782		
Repeat:1	3606.79	3491.11	6041.35		
Repeat:2	3598.16	3503.46	6087.3		
QC Status Pass/Fail:	None	None	None		
<u>Internal Standards</u>					
Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD	
Avg. of Repeats:	387.555	3602.47	3497.29	6064.32	
Std Dev:	0.372542	6.10739	8.73277	32.4916	
%RSD:	0.0961261	0.169533	0.249701	0.535782	
Repeat:1	387.819	3606.79	3491.11	6041.35	
Repeat:2	387.292	3598.16	3503.46	6087.3	

Sample Name	Acquisition date	Sample type	Correction factor
ICSA	9/25/2010 2:48:30PM	QC	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/9/3	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-LL	As-LL	B_-LL	Ba-LL
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Avg. of Repeats:	-0.00755232	12.716	0.00115167	0.000705181	0.000688252
Std Dev:	0.00180518	0.0138331	0.000319289	4.17088e-005	0.000701687
%RSD:	23.9023	0.108785	27.724	5.91462	101.952
Repeat:1	-0.00627587	12.7062	0.000925899	0.000734673	0.000192084
Repeat:2	-0.00882877	12.7258	0.00137744	0.000675688	0.00118442
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.0011257	3.98065	-0.00176572	-0.00422463	0.00287938
Std Dev:	0.00148676	0.00860537	0.000321552	0.000114027	0.000427271
%RSD:	132.074	0.21618	18.2109	2.6991	14.839
Repeat:1	-7.44043e-005	3.97456	-0.00199309	-0.004144	0.00257726
Repeat:2	-0.002177	3.98673	-0.00153834	-0.00430526	0.00318151
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0538414	17.7179	-0.0200252	4.75191	0.0195558
Std Dev:	0.000416351	0.100738	0.00213658	0.00330294	0.00294487
%RSD:	0.773292	0.568565	10.6695	0.0695077	15.0588
Repeat:1	0.0541358	17.6467	-0.0185144	4.74957	0.0216381
Repeat:2	0.053547	17.7892	-0.021536	4.75424	0.0174735
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000560498	-0.0369577	0.00597691	-0.000199354	-0.0530825
Std Dev:	3.00769e-005	0.00539925	0.000426065	9.13723e-007	0.0126038
%RSD:	5.36611	14.6092	7.12851	0.458343	23.7439
Repeat:1	0.000539231	-0.0407756	0.00567564	-0.000198707	-0.0619948
Repeat:2	0.000581766	-0.0331399	0.00627819	-0.0002	-0.0441703
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.00122944	0.00341876	0.0806326	0.000395715	1.54916
Std Dev:	0.000101914	0.000105223	0.00230844	9.15503e-005	0.00451982
%RSD:	8.28949	3.07781	2.86292	23.1354	0.291759
Repeat:1	0.00115737	0.00349316	0.0822649	0.000330979	1.54596
Repeat:2	0.0013015	0.00334436	0.0790002	0.00046045	1.55236
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	0.00838018	0.00183852	-0.00125556	0.0434541	341.14
Std Dev:	0.00115508	0.00359689	0.00209818	0.000518142	1.30223
%RSD:	13.7835	195.64	167.111	1.19239	0.381729
Repeat:1	0.00756341	0.0043819	0.00022808	0.0438205	342.06
Repeat:2	0.00919694	-0.000704864	-0.0027392	0.0430877	340.219
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3391.63	3323.18	5976.39		
Std Dev:	4.60245	1.17194	13.7575		
%RSD:	0.1357	0.0352657	0.230198		
Repeat:1	3394.88	3324	5966.66		
Repeat:2	3388.37	3322.35	5986.12		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00755232	12.716	0.00115167	0.000705181	0.000688252
Std Dev:	0.00180518	0.0138331	0.000319289	4.17088e-005	0.000701687
%RSD:	23.9023	0.108785	27.724	5.91462	101.952
Repeat:1	-0.00627587	12.7062	0.000925899	0.000734673	0.000192084
Repeat:2	-0.00882877	12.7258	0.00137744	0.000675688	0.00118442
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.0011257	3.98065	-0.00176572	-0.00422463	0.00287938
Std Dev:	0.00148676	0.00860537	0.000321552	0.000114027	0.000427271
%RSD:	132.074	0.21618	18.2109	2.6991	14.839
Repeat:1	-7.44043e-005	3.97456	-0.00199309	-0.004144	0.00257726

Repeat:2	-0.002177	3.98673	-0.00153834	-0.00430526	0.00318151
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0538414	17.7179	-0.0200252	4.75191	0.0195558
Std Dev:	0.000416351	0.100738	0.00213658	0.00330294	0.00294487
%RSD:	0.773292	0.568565	10.6695	0.0695077	15.0588
Repeat:1	0.0541358	17.6467	-0.0185144	4.74957	0.0216381
Repeat:2	0.053547	17.7892	-0.021536	4.75424	0.0174735
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.000560498	-0.0369577	0.00597691	-0.000199354	-0.0530825
Std Dev:	3.00769e-005	0.00539925	0.000426065	9.13723e-007	0.0126038
%RSD:	5.36611	14.6092	7.12851	0.458343	23.7439
Repeat:1	0.000539231	-0.0407756	0.00567564	-0.000198707	-0.0619948
Repeat:2	0.000581766	-0.0331399	0.00627819	-0.0002	-0.0441703
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.00122944	0.00341876	0.0806326	0.000395715	1.54916
Std Dev:	0.000101914	0.000105223	0.00230844	9.15503e-005	0.00451982
%RSD:	8.28949	3.07781	2.86292	23.1354	0.291759
Repeat:1	0.00115737	0.00349316	0.0822649	0.000330979	1.54596
Repeat:2	0.0013015	0.00334436	0.0790002	0.00046045	1.55236
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	0.00838018	0.00183852	-0.00125556	0.0434541	341.14
Std Dev:	0.00115508	0.00359689	0.00209818	0.000518142	1.30223
%RSD:	13.7835	195.64	167.111	1.19239	0.381729
Repeat:1	0.00756341	0.0043819	0.00022808	0.0438205	342.06
Repeat:2	0.00919694	-0.000704864	-0.0027392	0.0430877	340.219
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3391.63	3323.18	5976.39		
Std Dev:	4.60245	1.17194	13.7575		
%RSD:	0.1357	0.0352657	0.230198		
Repeat:1	3394.88	3324	5966.66		
Repeat:2	3388.37	3322.35	5986.12		
Concentration					
Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.591119	255826	0.717828	1.66826	9.26655
Std Dev:	0.393726	278.319	2.77602	0.132465	7.8489
%RSD:	66.607	0.108792	386.724	7.9403	84.7014
Repeat:1	-0.312712	255630	-1.24511	1.76193	3.71654
Repeat:2	-0.869525	256023	2.68077	1.5746	14.8166
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.0858004	251596	1.17338	0.278121	2.21977
Std Dev:	0.278582	543.881	0.17121	0.118719	0.281934
%RSD:	324.686	0.216172	14.5912	42.6861	12.701
Repeat:1	0.282787	251212	1.05232	0.362069	2.02042
Repeat:2	-0.111187	251981	1.29445	0.194174	2.41913
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-1.19737	101659	102.8	255749	-3.76689
Std Dev:	0.0767327	577.634	62.42	177.9	0.124574
%RSD:	6.40845	0.568207	60.7197	0.0695606	3.30709

Repeat:1	-1.14311	101251	146.938	255623	-3.6788
Repeat:2	-1.25163	102068	58.6625	255874	-3.85498
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.243874	46.5573	1.20838	2.47076	4.27211
Std Dev:	0.0352183	49.8259	0.713486	0.0114968	4.34425
%RSD:	14.4412	107.02	59.0449	0.465315	101.689
Repeat:1	-0.268777	11.3251	0.703868	2.47889	1.20026
Repeat:2	-0.218971	81.7896	1.71289	2.46263	7.34396
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	4.04732	2.07742	17.2285	-0.144581	12.6607
Std Dev:	0.689683	1.34934	2.59226	0.500489	0.0370565
%RSD:	17.0405	64.9528	15.0463	346.164	0.292689
Repeat:1	3.55964	3.03155	19.0615	-0.498481	12.6345
Repeat:2	4.535	1.12329	15.3955	0.209318	12.6869
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	4.54262	0.776085	-1.64312	-3.85765	341.14
Std Dev:	0.189718	2.08649	0.601525	0.199645	1.30223
%RSD:	4.1764	268.848	36.6087	5.1753	0.381729
Repeat:1	4.40847	2.25145	-1.21778	-3.71648	342.06
Repeat:2	4.67677	-0.699285	-2.06846	-3.99882	340.219
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	None
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3391.63	3323.18	5976.39		
Std Dev:	4.60245	1.17194	13.7575		
%RSD:	0.1357	0.0352657	0.230198		
Repeat:1	3394.88	3324	5966.66		
Repeat:2	3388.37	3322.35	5986.12		
QC Status Pass/Fail:	None	None	None		
Internal Standards					
Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD	
Avg. of Repeats:	341.14	3391.63	3323.18	5976.39	
Std Dev:	1.30223	4.60245	1.17194	13.7575	
%RSD:	0.381729	0.1357	0.0352657	0.230198	
Repeat:1	342.06	3394.88	3324	5966.66	
Repeat:2	340.219	3388.37	3322.35	5986.12	

Sample Name	Acquisition date	Sample type	Correction factor
ICSAB	9/25/2010 2:52:20PM	QC	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/10/3	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.861771	12.7495	0.0121311	0.488488	0.0434149
Std Dev:	0.00201592	0.0228242	2.11955e-005	0.00309451	0.000479187
%RSD:	0.233927	0.17902	0.17472	0.633488	1.10374

Repeat:1	0.860345	12.7657	0.0121161	0.4863	0.0437538
Repeat:2	0.863196	12.7334	0.0121461	0.490676	0.0430761
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	2.71471	3.98804	1.74114	0.457347	0.73674
Std Dev:	0.0121012	0.00377589	0.00454993	0.00102323	0.0012175
%RSD:	0.445765	0.0946804	0.26132	0.223732	0.165255
Repeat:1	2.72327	3.99071	1.73792	0.456623	0.735879
Repeat:2	2.70615	3.98537	1.74435	0.45807	0.737601
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	3.36344	17.7287	-0.021799	4.76444	11.5253
Std Dev:	3.39733e-005	0.00299241	0.00104405	0.0111065	0.0146995
%RSD:	0.00101008	0.0168789	4.78944	0.233111	0.127542
Repeat:1	3.36347	17.7266	-0.0210607	4.7723	11.5356
Repeat:2	3.36342	17.7308	-0.0225373	4.75659	11.5149
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.867049	-0.0366498	0.542827	0.0399139	0.081177
Std Dev:	0.00492823	0.000424586	0.00180959	0.000177387	0.00927355
%RSD:	0.568391	1.15849	0.333365	0.444424	11.4239
Repeat:1	0.863564	-0.03695	0.541548	0.0397885	0.0746196
Repeat:2	0.870534	-0.0363496	0.544107	0.0400393	0.0877344
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.0880485	0.00762989	0.953185	0.268788	30.2622
Std Dev:	0.000745234	0.000101831	0.000416167	0.000993841	0.0897401
%RSD:	0.84639	1.33463	0.0436606	0.369749	0.296542
Repeat:1	0.0875216	0.00755788	0.95289	0.268086	30.3257
Repeat:2	0.0885755	0.00770189	0.953479	0.269491	30.1988
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	3.0637	0.175278	1.78686	3.37918	338.978
Std Dev:	0.00967581	0.00330068	0.00242721	0.00557779	2.32968
%RSD:	0.315821	1.88311	0.135837	0.165063	0.687268
Repeat:1	3.05686	0.172944	1.78858	3.37524	337.33
Repeat:2	3.07054	0.177612	1.78514	3.38312	340.625
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3395.32	3322.73	5951.92		
Std Dev:	3.39684	8.47383	13.1589		
%RSD:	0.100045	0.255026	0.221087		
Repeat:1	3397.72	3316.74	5942.62		
Repeat:2	3392.92	3328.72	5961.23		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.861771	12.7495	0.0121311	0.488488	0.0434149
Std Dev:	0.00201592	0.0228242	2.11955e-005	0.00309451	0.000479187
%RSD:	0.233927	0.17902	0.17472	0.633488	1.10374
Repeat:1	0.860345	12.7657	0.0121161	0.4863	0.0437538
Repeat:2	0.863196	12.7334	0.0121461	0.490676	0.0430761
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	2.71471	3.98804	1.74114	0.457347	0.73674
Std Dev:	0.0121012	0.00377589	0.00454993	0.00102323	0.0012175
%RSD:	0.445765	0.0946804	0.26132	0.223732	0.165255
Repeat:1	2.72327	3.99071	1.73792	0.456623	0.735879
Repeat:2	2.70615	3.98537	1.74435	0.45807	0.737601
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	3.36344	17.7287	-0.021799	4.76444	11.5253

Std Dev:	3.39733e-005	0.00299241	0.00104405	0.0111065	0.0146995
%RSD:	0.00101008	0.0168789	4.78944	0.233111	0.127542
Repeat:1	3.36347	17.7266	-0.0210607	4.7723	11.5356
Repeat:2	3.36342	17.7308	-0.0225373	4.75659	11.5149
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.867049	-0.0366498	0.542827	0.0399139	0.081177
Std Dev:	0.00492823	0.000424586	0.00180959	0.000177387	0.00927355
%RSD:	0.568391	1.15849	0.333365	0.444424	11.4239
Repeat:1	0.863564	-0.03695	0.541548	0.0397885	0.0746196
Repeat:2	0.870534	-0.0363496	0.544107	0.0400393	0.0877344
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.0880485	0.00762989	0.953185	0.268788	30.2622
Std Dev:	0.000745234	0.000101831	0.000416167	0.000993841	0.0897401
%RSD:	0.84639	1.33463	0.0436606	0.369749	0.296542
Repeat:1	0.0875216	0.00755788	0.95289	0.268086	30.3257
Repeat:2	0.0885755	0.00770189	0.953479	0.269491	30.1988
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	3.0637	0.175278	1.78686	3.37918	338.978
Std Dev:	0.00967581	0.00330068	0.00242721	0.00557779	2.32968
%RSD:	0.315821	1.88311	0.135837	0.165063	0.687268
Repeat:1	3.05686	0.172944	1.78858	3.37524	337.33
Repeat:2	3.07054	0.177612	1.78514	3.38312	340.625
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3395.32	3322.73	5951.92		
Std Dev:	3.39684	8.47383	13.1589		
%RSD:	0.100045	0.255026	0.221087		
Repeat:1	3397.72	3316.74	5942.62		
Repeat:2	3392.92	3328.72	5961.23		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	189.037	256462	100.177	1488.68	488.107
Std Dev:	0.440152	459.312	0.192899	9.46269	5.35979
%RSD:	0.232839	0.179096	0.192557	0.635644	1.09808
Repeat:1	188.726	256786	100.041	1481.99	491.897
Repeat:2	189.348	256137	100.314	1495.37	484.317
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	509.915	252063	979.533	468.929	486.992
Std Dev:	2.26837	238.646	2.55437	1.046	0.803903
%RSD:	0.444851	0.094677	0.260775	0.22306	0.165075
Repeat:1	511.519	252232	977.727	468.19	486.424
Repeat:2	508.311	251895	981.339	469.669	487.56
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	478.106	101690	50.978	256433	470.463
Std Dev:	0.00669115	17.0827	30.5018	597.688	0.595158
%RSD:	0.00139951	0.0167989	59.8333	0.233078	0.126505
Repeat:1	478.11	101678	72.5461	256855	470.884
Repeat:2	478.101	101702	29.41	256010	470.042
QC Status Pass/Fail:	Pass	Pass	None	Pass	Pass

Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	1014.81	49.3992	920.169	512.423	54.7186
Std Dev:	5.77286	3.91821	3.09565	2.25771	3.16749
%RSD:	0.568859	7.93172	0.336422	0.440595	5.7887
Repeat:1	1010.73	46.6286	917.98	510.827	52.4788
Repeat:2	1018.89	52.1698	922.358	514.02	56.9583
QC Status Pass/Fail:	Pass	None	Pass	Pass	Pass

Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	621.991	53.9283	994.398	1467.11	248.069
Std Dev:	5.27342	1.28756	0.461912	5.43315	0.735748
%RSD:	0.847829	2.38755	0.0464514	0.37033	0.29659
Repeat:1	618.262	53.0179	994.072	1463.27	248.589
Repeat:2	625.72	54.8388	994.725	1470.95	247.549
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass

Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	506.038	98.8719	504.973	985.077	338.978
Std Dev:	1.58726	1.91781	0.645925	1.66869	2.32968
%RSD:	0.313663	1.93969	0.127913	0.169397	0.687268
Repeat:1	504.915	97.5158	505.43	983.897	337.33
Repeat:2	507.16	100.228	504.517	986.257	340.625
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	None

Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD
Units:	----	----	----
Avg. of Repeats:	3395.32	3322.73	5951.92
Std Dev:	3.39684	8.47383	13.1589
%RSD:	0.100045	0.255026	0.221087
Repeat:1	3397.72	3316.74	5942.62
Repeat:2	3392.92	3328.72	5961.23
QC Status Pass/Fail:	None	None	None

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	338.978	3395.32	3322.73	5951.92
Std Dev:	2.32968	3.39684	8.47383	13.1589
%RSD:	0.687268	0.100045	0.255026	0.221087
Repeat:1	337.33	3397.72	3316.74	5942.62
Repeat:2	340.625	3392.92	3328.72	5961.23

Sample Name	Acquisition date	Sample type	Correction factor
CCV	9/25/2010 2:56:08PM	QC	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/11/3	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.44138	1.51245	0.0125446	0.230142	0.0175433
Std Dev:	0.000946072	0.00368425	0.000111355	0.00112234	0.000190958
%RSD:	0.214344	0.243595	0.887679	0.487671	1.08849
Repeat:1	0.442049	1.50984	0.0124658	0.229349	0.0176783
Repeat:2	0.440711	1.51505	0.0126233	0.230936	0.0174083
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL

Avg. of Repeats:	0.537001	0.478096	0.174163	0.186822	0.298133
Std Dev:	0.000767612	0.00108078	0.000514898	0.000253322	0.000967577
%RSD:	0.142944	0.226058	0.295642	0.135595	0.324546
Repeat:1	0.537544	0.477332	0.173799	0.186643	0.297448
Repeat:2	0.536459	0.47886	0.174527	0.187001	0.298817
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	1.34589	5.30757	1.01683	0.567435	4.65369
Std Dev:	0.000945473	0.0078666	3.88411e-005	0.00109894	0.00168545
%RSD:	0.070249	0.148215	0.00381981	0.193668	0.0362175
Repeat:1	1.34522	5.302	1.01681	0.566658	4.65488
Repeat:2	1.34656	5.31313	1.01686	0.568212	4.65249
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.17401	3.24546	0.116549	0.0157818	1.17417
Std Dev:	0.0014463	0.0120462	0.000829229	4.08175e-005	0.00619513
%RSD:	0.831155	0.37117	0.711486	0.258637	0.527615
Repeat:1	0.172988	3.23694	0.115963	0.0157529	1.16979
Repeat:2	0.175033	3.25397	0.117135	0.0158106	1.17856
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.0444822	0.0110419	0.969561	0.0374097	35.7626
Std Dev:	0.000197722	0.00024122	0.00178351	0.000200951	0.0572403
%RSD:	0.444496	2.18459	0.18395	0.537163	0.160056
Repeat:1	0.0446221	0.0112124	0.9683	0.0372676	35.8031
Repeat:2	0.0443424	0.0108713	0.970822	0.0375518	35.7221
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	2.40464	0.175359	0.715211	0.690729	366.162
Std Dev:	0.00211881	0.00150263	0.00165476	0.00301059	0.941301
%RSD:	0.0881133	0.856892	0.231367	0.435857	0.257072
Repeat:1	2.40614	0.176421	0.716381	0.6886	365.497
Repeat:2	2.40315	0.174296	0.714041	0.692858	366.828
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3557.28	3459.57	6026.69		
Std Dev:	0.983621	4.21713	2.75148		
%RSD:	0.0276509	0.121898	0.045655		
Repeat:1	3557.98	3456.59	6024.74		
Repeat:2	3556.59	3462.55	6028.63		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	0.44138	1.51245	0.0125446	0.230142	0.0175433
Std Dev:	0.000946072	0.00368425	0.000111355	0.00112234	0.000190958
%RSD:	0.214344	0.243595	0.887679	0.487671	1.08849
Repeat:1	0.442049	1.50984	0.0124658	0.229349	0.0176783
Repeat:2	0.440711	1.51505	0.0126233	0.230936	0.0174083
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	0.537001	0.478096	0.174163	0.186822	0.298133
Std Dev:	0.000767612	0.00108078	0.000514898	0.000253322	0.000967577
%RSD:	0.142944	0.226058	0.295642	0.135595	0.324546
Repeat:1	0.537544	0.477332	0.173799	0.186643	0.297448
Repeat:2	0.536459	0.47886	0.174527	0.187001	0.298817
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	1.34589	5.30757	1.01683	0.567435	4.65369
Std Dev:	0.000945473	0.0078666	3.88411e-005	0.00109894	0.00168545
%RSD:	0.070249	0.148215	0.00381981	0.193668	0.0362175
Repeat:1	1.34522	5.302	1.01681	0.566658	4.65488

Repeat:2	1.34656	5.31313	1.01686	0.568212	4.65249
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.17401	3.24546	0.116549	0.0157818	1.17417
Std Dev:	0.0014463	0.0120462	0.000829229	4.08175e-005	0.00619513
%RSD:	0.831155	0.37117	0.711486	0.258637	0.527615
Repeat:1	0.172988	3.23694	0.115963	0.0157529	1.16979
Repeat:2	0.175033	3.25397	0.117135	0.0158106	1.17856
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.0444822	0.0110419	0.969561	0.0374097	35.7626
Std Dev:	0.000197722	0.00024122	0.00178351	0.000200951	0.0572403
%RSD:	0.444496	2.18459	0.18395	0.537163	0.160056
Repeat:1	0.0446221	0.0112124	0.9683	0.0372676	35.8031
Repeat:2	0.0443424	0.0108713	0.970822	0.0375518	35.7221
Element/Wavelength	Ti-LL	Tl-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	2.40464	0.175359	0.715211	0.690729	366.162
Std Dev:	0.00211881	0.00150263	0.00165476	0.00301059	0.941301
%RSD:	0.0881133	0.856892	0.231367	0.435857	0.257072
Repeat:1	2.40614	0.176421	0.716381	0.6886	365.497
Repeat:2	2.40315	0.174296	0.714041	0.692858	366.828
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3557.28	3459.57	6026.69		
Std Dev:	0.983621	4.21713	2.75148		
%RSD:	0.0276509	0.121898	0.045655		
Repeat:1	3557.98	3456.59	6024.74		
Repeat:2	3556.59	3462.55	6028.63		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	97.3696	30448.6	103.236	713.057	198.168
Std Dev:	0.206424	74.0479	0.972606	3.4494	2.1363
%RSD:	0.212001	0.24319	0.942123	0.483747	1.07803
Repeat:1	97.5156	30396.2	102.548	710.618	199.678
Repeat:2	97.2237	30501	103.923	715.496	196.657
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	101.367	30226.1	99.6091	193.557	197.148
Std Dev:	0.144231	68.3078	0.285872	0.261023	0.638943
%RSD:	0.142287	0.22599	0.286994	0.134856	0.324093
Repeat:1	101.469	30177.8	99.4069	193.372	196.696
Repeat:2	101.265	30274.4	99.8112	193.741	197.6
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	187.983	30486.8	30394.5	30530.3	191.285
Std Dev:	0.135333	45.0882	1.13474	59.1651	0.0705327
%RSD:	0.0719921	0.147894	0.00373336	0.193791	0.0368731
Repeat:1	187.888	30454.9	30393.7	30488.5	191.335
Repeat:2	188.079	30518.7	30395.3	30572.1	191.235
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	202.957	30337.7	192.496	205.225	411.95

Std Dev:	1.69418	111.166	1.41809	0.520256	2.13867
%RSD:	0.83475	0.366428	0.736688	0.253505	0.519158
Repeat:1	201.759	30259.1	191.493	204.857	410.438
Repeat:2	204.155	30416.3	193.498	205.593	413.463
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	310.697	107.038	1014.25	202.204	293.165
Std Dev:	1.38706	3.02897	2.00332	1.09856	0.469294
%RSD:	0.446435	2.8298	0.197518	0.543294	0.160078
Repeat:1	311.678	109.18	1012.83	201.428	293.497
Repeat:2	309.716	104.896	1015.67	202.981	292.833
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	398.149	100.566	201.631	201.12	366.162
Std Dev:	0.348992	0.87206	0.453732	0.884253	0.941301
%RSD:	0.0876535	0.867153	0.225031	0.439665	0.257072
Repeat:1	398.396	101.183	201.952	200.495	365.497
Repeat:2	397.903	99.9492	201.31	201.745	366.828
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	None
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3557.28	3459.57	6026.69		
Std Dev:	0.983621	4.21713	2.75148		
%RSD:	0.0276509	0.121898	0.045655		
Repeat:1	3557.98	3456.59	6024.74		
Repeat:2	3556.59	3462.55	6028.63		
QC Status Pass/Fail:	None	None	None		

Internal Standards

Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Avg. of Repeats:	366.162	3557.28	3459.57	6026.69
Std Dev:	0.941301	0.983621	4.21713	2.75148
%RSD:	0.257072	0.0276509	0.121898	0.045655
Repeat:1	365.497	3557.98	3456.59	6024.74
Repeat:2	366.828	3556.59	3462.55	6028.63

Sample Name	Acquisition date	Sample type	Correction factor
CCB	9/25/2010 2:59:58PM	QC	1.00
Autosampler Locations (rack/row/col)	Valid	Analyst Name	Method Name
2/12/3	Yes	admin	6010B (195)

RAW CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00691692	0.00432497	0.000861711	0.00124237	-0.000609365
Std Dev:	0.00135913	0.00128077	1.84842e-005	0.000498998	0.000319097
%RSD:	19.6494	29.6135	2.14506	40.1649	52.3654
Repeat:1	-0.00787797	0.00523061	0.000874782	0.00159522	-0.000835001
Repeat:2	-0.00595587	0.00341932	0.000848641	0.000889528	-0.00038373
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.000401185	0.00123781	-0.00372344	-0.00414251	-0.000284943
Std Dev:	0.00104672	0.000122497	5.32836e-005	3.10626e-005	0.000566056
%RSD:	260.908	9.89629	1.43103	0.749849	198.656

Repeat:1	0.000338961	0.00132443	-0.00368577	-0.00416447	0.000115319
Repeat:2	-0.00114133	0.00115119	-0.00376112	-0.00412054	-0.000685205
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0491745	-0.00104682	-0.0192795	0.00208343	0.00465083
Std Dev:	0.00725908	0.000931705	0.000419597	0.000734338	0.000227704
%RSD:	14.7619	89.003	2.17639	35.2465	4.89599
Repeat:1	0.0543074	-0.000388009	-0.0195762	0.00156418	0.00448982
Repeat:2	0.0440415	-0.00170564	-0.0189828	0.00260269	0.00481184
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.00114051	-0.0390866	0.00409415	-0.000364012	-0.0148175
Std Dev:	0.000406216	0.00123906	0.000253152	0.000207725	0.00378782
%RSD:	35.6169	3.17004	6.18325	57.0655	25.5631
Repeat:1	0.00142775	-0.0382104	0.00391515	-0.000217128	-0.0121391
Repeat:2	0.000853276	-0.0399627	0.00427316	-0.000510896	-0.0174959
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000174028	0.00264928	0.0678359	0.000526455	0.0253432
Std Dev:	0.000299506	5.94349e-005	0.00137772	3.9316e-005	0.00573784
%RSD:	172.103	2.24343	2.03096	7.46808	22.6406
Repeat:1	-3.77552e-005	0.00269131	0.0688101	0.000498654	0.0294005
Repeat:2	0.000385811	0.00260725	0.0668617	0.000554255	0.0212859
Element/Wavelength	Ti-LL	Ti-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0140071	-0.00172656	0.000585873	0.00382728	390.219
Std Dev:	0.00261036	0.00242359	0.000799153	5.24091e-005	0.735694
%RSD:	18.6359	140.371	136.404	1.36936	0.188534
Repeat:1	-0.0158529	-0.0034403	2.07862e-005	0.00379022	390.739
Repeat:2	-0.0121613	-1.28234e-005	0.00115096	0.00386434	389.699
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3603.32	3505.6	6020.85		
Std Dev:	4.29373	2.71556	38.2545		
%RSD:	0.11916	0.0774636	0.635367		
Repeat:1	3606.36	3507.52	6047.9		
Repeat:2	3600.29	3503.68	5993.8		

Corrected CTS/S

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Avg. of Repeats:	-0.00691692	0.00432497	0.000861711	0.00124237	-0.000609365
Std Dev:	0.00135913	0.00128077	1.84842e-005	0.000498998	0.000319097
%RSD:	19.6494	29.6135	2.14506	40.1649	52.3654
Repeat:1	-0.00787797	0.00523061	0.000874782	0.00159522	-0.000835001
Repeat:2	-0.00595587	0.00341932	0.000848641	0.000889528	-0.00038373
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Avg. of Repeats:	-0.000401185	0.00123781	-0.00372344	-0.00414251	-0.000284943
Std Dev:	0.00104672	0.000122497	5.32836e-005	3.10626e-005	0.000566056
%RSD:	260.908	9.89629	1.43103	0.749849	198.656
Repeat:1	0.000338961	0.00132443	-0.00368577	-0.00416447	0.000115319
Repeat:2	-0.00114133	0.00115119	-0.00376112	-0.00412054	-0.000685205
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Avg. of Repeats:	0.0491745	-0.00104682	-0.0192795	0.00208343	0.00465083
Std Dev:	0.00725908	0.000931705	0.000419597	0.000734338	0.000227704
%RSD:	14.7619	89.003	2.17639	35.2465	4.89599
Repeat:1	0.0543074	-0.000388009	-0.0195762	0.00156418	0.00448982
Repeat:2	0.0440415	-0.00170564	-0.0189828	0.00260269	0.00481184
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Avg. of Repeats:	0.00114051	-0.0390866	0.00409415	-0.000364012	-0.0148175

Std Dev:	0.000406216	0.00123906	0.000253152	0.000207725	0.00378782
%RSD:	35.6169	3.17004	6.18325	57.0655	25.5631
Repeat:1	0.00142775	-0.0382104	0.00391515	-0.000217128	-0.0121391
Repeat:2	0.000853276	-0.0399627	0.00427316	-0.000510896	-0.0174959
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Avg. of Repeats:	0.000174028	0.00264928	0.0678359	0.000526455	0.0253432
Std Dev:	0.000299506	5.94349e-005	0.00137772	3.9316e-005	0.00573784
%RSD:	172.103	2.24343	2.03096	7.46808	22.6406
Repeat:1	-3.77552e-005	0.00269131	0.0688101	0.000498654	0.0294005
Repeat:2	0.000385811	0.00260725	0.0668617	0.000554255	0.0212859
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Avg. of Repeats:	-0.0140071	-0.00172656	0.000585873	0.00382728	390.219
Std Dev:	0.00261036	0.00242359	0.000799153	5.24091e-005	0.735694
%RSD:	18.6359	140.371	136.404	1.36936	0.188534
Repeat:1	-0.0158529	-0.0034403	2.07862e-005	0.00379022	390.739
Repeat:2	-0.0121613	-1.28234e-005	0.00115096	0.00386434	389.699
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Avg. of Repeats:	3603.32	3505.6	6020.85		
Std Dev:	4.29373	2.71556	38.2545		
%RSD:	0.11916	0.0774636	0.635367		
Repeat:1	3606.36	3507.52	6047.9		
Repeat:2	3600.29	3503.68	5993.8		

Concentration

Element/Wavelength	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	-0.453939	118.26	0.195854	3.325	-5.24023
Std Dev:	0.296556	25.7434	0.163705	1.54571	3.56871
%RSD:	65.3295	21.7684	83.585	46.4874	68.1022
Repeat:1	-0.663636	136.463	0.311611	4.41799	-7.76369
Repeat:2	-0.244242	100.057	0.0800975	2.23202	-2.71677
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.217506	87.4082	0.0756532	0.374649	0.131352
Std Dev:	0.195987	7.74213	0.0293782	0.0286001	0.373674
%RSD:	90.1067	8.85744	38.8327	7.63384	284.482
Repeat:1	0.35609	92.8828	0.0964268	0.354426	0.395579
Repeat:2	0.0789218	81.9337	0.0548797	0.394873	-0.132875
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	1.0108	59.602	124.586	93.2515	0.207002
Std Dev:	1.05151	5.34303	12.2585	39.5186	0.00867628
%RSD:	104.027	8.96451	9.83939	42.3785	4.1914
Repeat:1	1.75434	63.3801	115.918	65.3077	0.200867
Repeat:2	0.267272	55.8239	133.254	121.195	0.213137
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	0.435997	26.9119	0.852776	0.387387	0.0866409
Std Dev:	0.475841	11.4344	0.434082	2.63101	1.30873
%RSD:	109.138	42.4884	50.9022	679.168	1510.52
Repeat:1	0.772467	34.9972	0.545834	2.24779	1.01205

Repeat:2	0.099527	18.8265	1.15972	-1.47302	-0.838772
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Units:	ppb	ppb	ppb	ppb	ppb
Avg. of Repeats:	1.01883	4.16155	2.85812	0.570151	0.167439
Std Dev:	2.10871	0.743872	1.54813	0.214934	0.0470426
%RSD:	206.974	17.8749	54.1659	37.6977	28.0955
Repeat:1	-0.472256	4.68755	3.95281	0.41817	0.200703
Repeat:2	2.50992	3.63556	1.76343	0.722132	0.134174
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	Pass
Element/Wavelength	Ti-LL	TI-LL	V_-LL	Zn-LL2	In2306
Units:	ppb	ppb	ppb	ppb	----
Avg. of Repeats:	0.864284	-1.30907	1.33116	0.244832	390.219
Std Dev:	0.429191	1.40689	0.22061	0.0132638	0.735694
%RSD:	49.6585	107.472	16.5727	5.41749	0.188534
Repeat:1	0.5608	-2.30389	1.17516	0.235453	390.739
Repeat:2	1.16777	-0.314251	1.48715	0.254211	389.699
QC Status Pass/Fail:	Pass	Pass	Pass	Pass	None
Element/Wavelength	Y_HWAX	Y_-LWAX	Y_HWRD		
Units:	----	----	----		
Avg. of Repeats:	3603.32	3505.6	6020.85		
Std Dev:	4.29373	2.71556	38.2545		
%RSD:	0.11916	0.0774636	0.635367		
Repeat:1	3606.36	3507.52	6047.9		
Repeat:2	3600.29	3503.68	5993.8		
QC Status Pass/Fail:	None	None	None		
<u>Internal Standards</u>					
Element/Wavelength	In2306	Y_HWAX	Y_-LWAX	Y_HWRD	
Avg. of Repeats:	390.219	3603.32	3505.6	6020.85	
Std Dev:	0.735694	4.29373	2.71556	38.2545	
%RSD:	0.188534	0.11916	0.0774636	0.635367	
Repeat:1	390.739	3606.36	3507.52	6047.9	
Repeat:2	389.699	3600.29	3503.68	5993.8	

Metals Worksheet

Batch Number: 200-6872

Method: ILM05.4_HW1

Analyst: Sachs, Austin L

Date Open: Sep 23 2010 8:52AM

Batch End: Sep 23 2010 2:30PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Clarity Before	Clarity After	Color Before	Color After
MB~200-6872/1		ILM05.4_HW1, ILM05.4/ICP		100 mL	100 mL				
LCS~200-6872/2		ILM05.4_HW1, ILM05.4/ICP		100 mL	100 mL				
200-1636-D-1	ISCO-MW1	ILM05.4_HW1, ILM05.4/ICP	T	100 mL	100 mL	clear	clear	colorless	colorless
200-1636-D-2	ISCO-MW2	ILM05.4_HW1, ILM05.4/ICP	T	100 mL	100 mL	clear	clear	colorless	colorless
200-1636-D-3	ISCO-MW3	ILM05.4_HW1, ILM05.4/ICP	T	100 mL	100 mL	clear	clear	colorless	colorless
200-1636-D-4	ISCO-MW4	ILM05.4_HW1, ILM05.4/ICP	T	100 mL	100 mL	clear	clear	colorless	colorless
200-1636-D-5	ISCO-MW5	ILM05.4_HW1, ILM05.4/ICP	T	100 mL	100 mL	clear	clear	colorless	colorless
200-1622-E-1			T	100 mL	100 mL	clear	clear	colorless	colorless
200-1622-E-2			T	100 mL	100 mL	clear	clear	colorless	colorless
200-1622-E-3			T	100 mL	100 mL	clear	clear	colorless	colorless
200-1622-A-4			T	100 mL	100 mL	clear	clear	colorless	colorless
200-1622-E-5			T	100 mL	100 mL	clear	clear	colorless	colorless
200-1622-E-6			T	100 mL	100 mL	clear	clear	colorless	colorless
200-1622-E-7			T	100 mL	100 mL	clear	clear	colorless	colorless
200-1622-E-8			T	100 mL	100 mL	clear	clear	colorless	colorless
200-1622-A-9			T	100 mL	100 mL	clear	clear	colorless	colorless
200-1622-E-10			T	100 mL	100 mL	clear	clear	colorless	colorless

Metals Worksheet

Batch Number: 200-6872

Method: ILM05.4_HW1

Analyst: Sachs, Austin L

Date Open: Sep 23 2010 8:52AM

Batch End: Sep 23 2010 2:30PM

Lab ID	Client ID	Method Chain	Basis	MELCSWw_00010
MB~200-6872/1		ILM05.4_HW1, ILM05.4/ICP		
LCS~200-6872/2		ILM05.4_HW1, ILM05.4/ICP		50.00 mL
200-1636-D-1	ISCO-MW1	ILM05.4_HW1, ILM05.4/ICP	T	
200-1636-D-2	ISCO-MW2	ILM05.4_HW1, ILM05.4/ICP	T	
200-1636-D-3	ISCO-MW3	ILM05.4_HW1, ILM05.4/ICP	T	
200-1636-D-4	ISCO-MW4	ILM05.4_HW1, ILM05.4/ICP	T	
200-1636-D-5	ISCO-MW5	ILM05.4_HW1, ILM05.4/ICP	T	
200-1622-E-1			T	
200-1622-E-2			T	
200-1622-E-3			T	
200-1622-A-4			T	
200-1622-E-5			T	
200-1622-E-6			T	
200-1622-E-7			T	
200-1622-E-8			T	
200-1622-A-9			T	
200-1622-E-10			T	

Hot Block ID number: 2+5
Oven, Bath or Block Temperature 1: 94 Degrees C
Oven, Bath or Block Temperature 2: 95 Degrees C
Lot # of hydrochloric acid: 043233
Lot # of Nitric Acid: 047202

Metals Worksheet

Batch Number: 200-6896
Method: ILM05.4/HG_CW1
Analyst: Sachs, Austin L

Date Open: Sep 23 2010 11:55AM
Batch End: Sep 24 2010 2:00PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	MEHGCVw_00147	MEHGICVw_00007
IC~200-6896/1				50 mL	50 mL		
IC~200-6896/2				50 mL	50 mL	0.10 mL	
IC~200-6896/3				50 mL	50 mL	0.25 mL	
IC~200-6896/4				50 mL	50 mL	0.50 mL	
IC~200-6896/5				50 mL	50 mL	2.50 mL	
IC~200-6896/6				50 mL	50 mL	5.00 mL	
ICV~200-6896/7		ILM05.4/HG_CW1, ILM05.4/HG		50 mL	50 mL		5.00 mL
ICB~200-6896/8		ILM05.4/HG_CW1, ILM05.4/HG		50 mL	50 mL		
CRA~200-6896/9		ILM05.4/HG_CW1, ILM05.4/HG		50 mL	50 mL	0.10 mL	
CCV~200-6896/10		ILM05.4/HG_CW1, ILM05.4/HG		50 mL	50 mL	2.50 mL	
CCB~200-6896/11		ILM05.4/HG_CW1, ILM05.4/HG		50 mL	50 mL		
MB~200-6896/12		ILM05.4/HG_CW1, ILM05.4/HG		50 mL	50 mL		
LCS~200-6896/13		ILM05.4/HG_CW1, ILM05.4/HG		50 mL	50 mL	0.50 mL	
200-1553-A-3			T	50 mL	50 mL		
200-1553-A-5			T	50 mL	50 mL		
200-1553-A-7			T	50 mL	50 mL		
200-1553-A-9			T	50 mL	50 mL		
200-1553-A-11			T	50 mL	50 mL		
200-1553-D-12			D	50 mL	50 mL		
200-1553-A-13			T	50 mL	50 mL		
200-1553-A-15			T	50 mL	50 mL		
200-1553-D-16			D	50 mL	50 mL		
200-1553-A-17			T	50 mL	50 mL		
200-1553-B-19			T	50 mL	50 mL		
200-1553-B-19~DU			T	50 mL	50 mL		

Metals Worksheet

Batch Number: 200-6896
Method: ILM05.4/HG_CW1
Analyst: Sachs, Austin L

Date Open: Sep 23 2010 11:55AM
Batch End: Sep 24 2010 2:00PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	MEHGCVw_00147	MEHGCVw_00007
200-1553-B-19~MS			T	50 mL	50 mL	0.50 mL	
200-1553-A-21			T	50 mL	50 mL		
200-1636-D-1	ISCO-MW1	ILM05.4/HG_CW1, ILM05.4/HG	T	50 mL	50 mL		
200-1636-D-2	ISCO-MW2	ILM05.4/HG_CW1, ILM05.4/HG	T	50 mL	50 mL		
200-1636-D-3	ISCO-MW3	ILM05.4/HG_CW1, ILM05.4/HG	T	50 mL	50 mL		
200-1636-D-4	ISCO-MW4	ILM05.4/HG_CW1, ILM05.4/HG	T	50 mL	50 mL		
200-1636-D-5	ISCO-MW5	ILM05.4/HG_CW1, ILM05.4/HG	T	50 mL	50 mL		

Digestion Tube/Cup Lot #: 1005282
Hot Block ID number: 7+8
ID number of the thermometer: 74+100
Oven, Bath or Block Temperature 1: 94 Degrees C
Oven, Bath or Block Temperature 2: 94 Degrees C
Repitator Volume Check: na
Temperature: na Degrees C
Hydroxylamine Sulfate Lot Number: na
Hydroxylamine Hydrochloride Lot: +NaCl=042777
Lot # of hydrochloric acid: na
Lot # of Nitric Acid: 042753
NaCL Lot #: na
Potassium Persulfate Lot Number: 042673
Potassium Permanganate Lot Number: 048613
Sulfuric Acid Lot Number: 026584
Stannous Chloride Lot Number: 048646

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job Number: 200-1636-1

SDG No.: 200-1636-1

Project: Lawrence Aviation

Client Sample ID

Lab Sample ID

ISCO-MW1

200-1636-1

ISCO-MW2

200-1636-2

ISCO-MW3

200-1636-3

ISCO-MW4

200-1636-4

ISCO-MW5

200-1636-5

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO-MW1

Lab Sample ID: 200-1636-1

Lab Name: TestAmerica Savannah

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/18/2010 11:15

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	36.6	5.0	1.0	mg/L		N	5	300.0
16984-48-8	Fluoride	3.0	1.0	0.20	mg/L			5	300.0
14808-79-8	Sulfate	34.1	5.0	2.6	mg/L		N	5	300.0
7440-44-0	Total Organic Carbon	1.0	1.0	0.50	mg/L	U		1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO-MW1

Lab Sample ID: 200-1636-1

Lab Name: TestAmerica Savannah

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/18/2010 11:15

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	22.0	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	213	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	5.0	5.0		mg/L	U		1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO-MW2

Lab Sample ID: 200-1636-2

Lab Name: TestAmerica Savannah

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/18/2010 12:50

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	32.8	5.0	1.0	mg/L			5	300.0
16984-48-8	Fluoride	36.7	1.0	0.20	mg/L			5	300.0
14808-79-8	Sulfate	31.4	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	5.0	5.0	2.5	mg/L	U		5	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO-MW2

Lab Sample ID: 200-1636-2

Lab Name: TestAmerica Savannah

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/18/2010 12:50

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	57.8	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	316	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	17.0	5.0		mg/L			1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO-MW3

Lab Sample ID: 200-1636-3

Lab Name: TestAmerica Savannah

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/18/2010 16:30

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	18.5	5.0	1.0	mg/L			5	300.0
16984-48-8	Fluoride	32.1	1.0	0.20	mg/L			5	300.0
14808-79-8	Sulfate	36.2	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	1.2	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO-MW3

Lab Sample ID: 200-1636-3

Lab Name: TestAmerica Savannah

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/18/2010 16:30

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	32.3	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	231	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	48.5	5.0		mg/L			1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO-MW4

Lab Sample ID: 200-1636-4

Lab Name: TestAmerica Savannah

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/19/2010 12:10

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	27.0	5.0	1.0	mg/L			5	300.0
16984-48-8	Fluoride	25.2	1.0	0.20	mg/L			5	300.0
14808-79-8	Sulfate	39.3	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	1.3	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO-MW4

Lab Sample ID: 200-1636-4

Lab Name: TestAmerica Savannah

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/19/2010 12:10

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	27.6	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	240	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	8.5	5.0		mg/L			1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO-MW5

Lab Sample ID: 200-1636-5

Lab Name: TestAmerica Savannah

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/19/2010 10:00

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	38.2	5.0	1.0	mg/L			5	300.0
16984-48-8	Fluoride	2.4	1.0	0.20	mg/L			5	300.0
14808-79-8	Sulfate	43.6	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	1.5	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO-MW5

Lab Sample ID: 200-1636-5

Lab Name: TestAmerica Savannah

Job No.: 200-1636-1

SDG ID.: 200-1636-1

Matrix: Water

Date Sampled: 09/19/2010 10:00

Reporting Basis: WET

Date Received: 09/21/2010 10:05

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	38.9	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	269	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	5.0	5.0		mg/L	U		1	SM 2540D

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 200-1636-1
 SDG No.: 200-1636-1
 Analyst: CB Batch Start Date: 10/02/2010
 Reporting Units: mg/L Analytical Batch No.: 181849

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	16:13	Chloride	54.4	50.0	109	90-110		Anion-4_00056
			Fluoride	10.9	10.0	109	90-110		Anion-4_00056
			Sulfate	54.0	50.0	108	90-110		Anion-4_00056
8	CCV	19:19	Chloride	54.3	50.0	109	90-110		Anion-4_00056
			Fluoride	10.9	10.0	109	90-110		Anion-4_00056
			Sulfate	53.9	50.0	108	90-110		Anion-4_00056
9	CCB	19:32	Chloride	5.0				U	
			Fluoride	1.0				U	
			Sulfate	5.0				U	
20	CCV	21:48	Chloride	54.5	50.0	109	90-110		Anion-4_00056
			Fluoride	11.0	10.0	110	90-110		Anion-4_00056
			Sulfate	54.1	50.0	108	90-110		Anion-4_00056
21	CCB	22:01	Chloride	5.0				U	
			Fluoride	1.0				U	
			Sulfate	5.0				U	

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

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 200-1636-1
SDG No.: 200-1636-1
Analyst: DAM Batch Start Date: 09/27/2010
Reporting Units: mg/L Analytical Batch No.: 181209

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	07:20	Total Organic Carbon	4.9					
2	CCB	07:35	Total Organic Carbon	1.0				U	
14	CCV	10:41	Total Organic Carbon	52.1					
15	CCB	10:56	Total Organic Carbon	1.0				U	
26	CCV	13:36	Total Organic Carbon	209					
27	CCB	13:55	Total Organic Carbon	1.0				U	
38	CCV	16:37	Total Organic Carbon	5.3					
39	CCB	16:52	Total Organic Carbon	1.0				U	

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job No.: 200-1636-1

SDG No.: 200-1636-1

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 181849 Date: 10/02/2010 16:26							
300.0	MB 680-181849/2	Chloride	5.0	U	mg/L	5.0	5
300.0	MB 680-181849/2	Fluoride	1.0	U	mg/L	1.0	5
300.0	MB 680-181849/2	Sulfate	5.0	U	mg/L	5.0	5
Batch ID: 181224 Date: 09/27/2010 19:19							
SM 2320B	MB 680-181224/5	Alkalinity	5.0	U	mg/L	5.0	1
Batch ID: 180881 Date: 09/23/2010 18:29							
SM 2540C	MB 680-180881/1	Total Dissolved Solids	5.0	U	mg/L	5.0	1
Batch ID: 180883 Date: 09/23/2010 20:21							
SM 2540D	MB 680-180883/1	Total Suspended Solids	5.0	U	mg/L	5.0	1
Batch ID: 181209 Date: 09/27/2010 08:06							
SM 5310B	MB 680-181209/4	Total Organic Carbon	1.0	U	mg/L	1.0	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job No.: 200-1636-1

SDG No.: 200-1636-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 181849 Date: 10/02/2010 20:46											
300.0	200-1636-1	Chloride	36.6		mg/L						N
300.0	200-1636-1 MS	Chloride	92.1		mg/L	50.0	111	90-110			N
300.0	200-1636-1	Fluoride	3.0		mg/L						
300.0	200-1636-1 MS	Fluoride	14.0		mg/L	10.0	110	90-110			
300.0	200-1636-1	Sulfate	34.1		mg/L						N
300.0	200-1636-1 MS	Sulfate	90.3		mg/L	50.0	112	90-110			N

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

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 200-1636-1

SDG No.: 200-1636-1

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 181224 Date: 09/27/2010 20:17								
SM 2320B	ISCO-MW5	200-1636-5	Alkalinity	38.9	mg/L			
SM 2320B	ISCO-MW5	200-1636-5 DU	Alkalinity	38.8	mg/L	0.3	30	
Batch ID: 181209 Date: 09/27/2010 12:51								
SM 5310B	ISCO-MW1	200-1636-1	Total Organic Carbon	1.0	mg/L			U
SM 5310B	ISCO-MW1	200-1636-1 DU	Total Organic Carbon	1.0	mg/L	1	25	U

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job No.: 200-1636-1

SDG No.: 200-1636-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 181849 Date: 10/02/2010 16:38											
						LCS Source: Anion_ICV_00043					
300.0	LCS	Chloride	52.4		mg/L	50.0	105	90-110	0	30	
	680-181849/3										
300.0	LCS	Fluoride	10.4		mg/L	10.0	104	90-110	0	30	
	680-181849/3										
300.0	LCS	Sulfate	52.7		mg/L	50.0	105	90-110	0	30	
	680-181849/3										
Batch ID: 181224 Date: 09/27/2010 19:29											
						LCS Source: Alk LCS_00061					
SM	LCS	Alkalinity	575		mg/L	616	93	80-120	3	30	
	2320B										
	680-181224/6										
Batch ID: 180881 Date: 09/23/2010 18:29											
						LCS Source: TS/TDS LCS_00101					
SM	LCS	Total Dissolved Solids	236		mg/L	236	100	80-120	5	25	
	2540C										
	680-180881/2										
Batch ID: 180883 Date: 09/23/2010 20:21											
						LCS Source: TSS LCS_00202					
SM	LCS	Total Suspended Solids	106		mg/L	100	106	80-120	4	25	
	2540D										
	680-180883/2										
Batch ID: 181209 Date: 09/27/2010 08:22											
						LCS Source: TOC LCS_00043					
SM	LCS	Total Organic Carbon	19.5		mg/L	20.0	97	80-120	0.2	25	
	5310B										
	680-181209/5										

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job No.: 200-1636-1

SDG No.: 200-1636-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 181849 Date: 10/02/2010 16:51											
						LCSD Source: Anion_ICV_00043					
300.0	LCSD 680-181849/4	Chloride	52.4		mg/L	50.0	105	90-110	0	30	
300.0	LCSD 680-181849/4	Fluoride	10.4		mg/L	10.0	104	90-110	0	30	
300.0	LCSD 680-181849/4	Sulfate	52.8		mg/L	50.0	106	90-110	0	30	
Batch ID: 181224 Date: 09/27/2010 22:04											
						LCSD Source: Alk LCS_00061					
SM 2320B	LCSD 680-181224/32	Alkalinity	558		mg/L	616	91	80-120	3	30	
Batch ID: 180881 Date: 09/23/2010 18:29											
						LCSD Source: TS/TDS LCS_00101					
SM 2540C	LCSD 680-180881/3	Total Dissolved Solids	248		mg/L	236	105	80-120	5	25	
Batch ID: 180883 Date: 09/23/2010 20:21											
						LCSD Source: TSS LCS_00202					
SM 2540D	LCSD 680-180883/3	Total Suspended Solids	110		mg/L	100	110	80-120	4	25	
Batch ID: 181209 Date: 09/27/2010 08:38											
						LCSD Source: TOC LCS_00043					
SM 5310B	LCSD 680-181209/6	Total Organic Carbon	19.5		mg/L	20.0	98	80-120	0.2	25	

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job Number: 200-1636-1

SDG Number: 200-1636-1

Matrix: Water

Instrument ID: ICG

Analysis Method: 300.0

MDL Date: 07/14/2009 08:26

Prep Method: _____

Leach Method: _____

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Chloride		5	1
Fluoride		1	0.2
Sulfate		5	2.6

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job Number: 200-1636-1

SDG Number: 200-1636-1

Matrix: Water

Instrument ID: ICG

Analysis Method: 300.0

XMDL Date: 07/14/2009 08:29

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chloride		5	1
Fluoride		1	0.2
Sulfate		5	2.6

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job Number: 200-1636-1

SDG Number: 200-1636-1

Matrix: Water

Instrument ID: MANTECH

Analysis Method: SM 2320B

RL Date: 01/12/2009 00:00

Prep Method: _____

Leach Method: _____

Analyte	Wavelength/ Mass	RL (mg/L)	
Alkalinity		5	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job Number: 200-1636-1

SDG Number: 200-1636-1

Matrix: Water

Instrument ID: NOEQUIP

Analysis Method: SM 2540C

RL Date: 01/01/2004 16:11

Prep Method: _____

Leach Method: _____

Analyte	Wavelength/ Mass	RL (mg/L)	
Total Dissolved Solids		5	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job Number: 200-1636-1

SDG Number: 200-1636-1

Matrix: Water

Instrument ID: NOEQUIP

Analysis Method: SM 2540C

XRL Date: 04/01/2010 10:20

Analyte	Wavelength/ Mass	XRL (mg/L)	
Total Dissolved Solids		5	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job Number: 200-1636-1

SDG Number: 200-1636-1

Matrix: Water

Instrument ID: NOEQUIP

Analysis Method: SM 2540D

RL Date: 01/01/2004 16:13

Prep Method: _____

Leach Method: _____

Analyte	Wavelength/ Mass	RL (mg/L)	
Total Suspended Solids		5	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job Number: 200-1636-1

SDG Number: 200-1636-1

Matrix: Water

Instrument ID: TOC3

Analysis Method: SM 5310B

MDL Date: 06/02/2009 00:00

Prep Method: _____

Leach Method: _____

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Total Organic Carbon		1	0.5

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job Number: 200-1636-1

SDG Number: 200-1636-1

Matrix: Water

Instrument ID: TOC3

Analysis Method: SM 5310B

XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Organic Carbon		1	0.5

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 200-1636-1

SDG No.: 200-1636-1

Instrument ID: ICG Method: 300.0

Start Date: 10/02/2010 16:13 End Date: 10/02/2010 22:01

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C L -	F	S O 4															
CCV 680-181849/1	5		16:13	X	X	X															
MB 680-181849/2	5	T	16:26	X	X	X															
LCS 680-181849/3	5	T	16:38	X	X	X															
LCSD 680-181849/4	5	T	16:51	X	X	X															
ZZZZZZ			18:42																		
ZZZZZZ			18:55																		
ZZZZZZ			19:07																		
CCV 680-181849/8	5		19:19	X	X	X															
CCB 680-181849/9	5		19:32	X	X	X															
ZZZZZZ			19:44																		
ZZZZZZ			19:57																		
ZZZZZZ			20:09																		
ZZZZZZ			20:21																		
200-1636-1	5	T	20:34	X	X	X															
200-1636-1 MS	5	T	20:46	X	X	X															
200-1636-2	5	T	20:59	X	X	X															
200-1636-3	5	T	21:11	X	X	X															
200-1636-4	5	T	21:23	X	X	X															
200-1636-5	5	T	21:36	X	X	X															
CCV 680-181849/20	5		21:48	X	X	X															
CCB 680-181849/21	5		22:01	X	X	X															

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 200-1636-1

SDG No.: 200-1636-1

Instrument ID: MANTECH Method: SM 2320B

Start Date: 09/27/2010 18:51 End Date: 09/27/2010 22:04

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A l k																	
ZZZZZZ			18:51																		
ZZZZZZ			18:57																		
ZZZZZZ			19:07																		
ZZZZZZ			19:13																		
MB 680-181224/5	1	T	19:19	X																	
LCS 680-181224/6	1	T	19:29	X																	
ZZZZZZ			19:36																		
ZZZZZZ			19:43																		
200-1636-1	1	T	19:49	X																	
200-1636-2	1	T	19:55	X																	
200-1636-3	1	T	20:00	X																	
200-1636-4	1	T	20:05	X																	
200-1636-5	1	T	20:11	X																	
200-1636-5 DU	1	T	20:17	X																	
ZZZZZZ			20:20																		
ZZZZZZ			20:27																		
ZZZZZZ			20:30																		
ZZZZZZ			20:36																		
ZZZZZZ			20:42																		
ZZZZZZ			20:47																		
ZZZZZZ			20:53																		
ZZZZZZ			20:59																		
ZZZZZZ			21:05																		
ZZZZZZ			21:12																		
ZZZZZZ			21:20																		
ZZZZZZ			21:23																		
ZZZZZZ			21:30																		
ZZZZZZ			21:35																		
ZZZZZZ			21:42																		
ZZZZZZ			21:50																		
ZZZZZZ			21:53																		
LCSD 680-181224/32	1	T	22:04	X																	

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 200-1636-1

SDG No.: 200-1636-1

Instrument ID: NOEQUIP Method: SM 2540C

Start Date: 09/23/2010 18:29 End Date: 09/23/2010 18:29

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				T D S																	
MB 680-180881/1	1	T	18:29	X																	
LCS 680-180881/2	1	T	18:29	X																	
LCSD 680-180881/3	1	T	18:29	X																	
ZZZZZZ			18:29																		
ZZZZZZ			18:29																		
ZZZZZZ			18:29																		
ZZZZZZ			18:29																		
ZZZZZZ			18:29																		
200-1636-1	1	T	18:29	X																	
200-1636-2	1	T	18:29	X																	
200-1636-3	1	T	18:29	X																	
200-1636-4	1	T	18:29	X																	
200-1636-5	1	T	18:29	X																	
ZZZZZZ			18:29																		
ZZZZZZ			18:29																		
ZZZZZZ			18:29																		
ZZZZZZ			18:29																		
ZZZZZZ			18:29																		
ZZZZZZ			18:29																		
ZZZZZZ			18:29																		
ZZZZZZ			18:29																		
ZZZZZZ			18:29																		

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 200-1636-1

SDG No.: 200-1636-1

Instrument ID: NOEQUIP Method: SM 2540D

Start Date: 09/23/2010 20:21 End Date: 09/23/2010 20:21

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				T S S																	
MB 680-180883/1	1	T	20:21	X																	
LCS 680-180883/2	1	T	20:21	X																	
LCSD 680-180883/3	1	T	20:21	X																	
ZZZZZZ			20:21																		
ZZZZZZ			20:21																		
ZZZZZZ			20:21																		
ZZZZZZ			20:21																		
ZZZZZZ			20:21																		
ZZZZZZ			20:21																		
ZZZZZZ			20:21																		
ZZZZZZ			20:21																		
ZZZZZZ			20:21																		
ZZZZZZ			20:21																		
ZZZZZZ			20:21																		
200-1636-1	1	T	20:21	X																	
200-1636-2	1	T	20:21	X																	
200-1636-3	1	T	20:21	X																	
200-1636-4	1	T	20:21	X																	
200-1636-5	1	T	20:21	X																	
ZZZZZZ			20:21																		
ZZZZZZ			20:21																		

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 200-1636-1

SDG No.: 200-1636-1

Instrument ID: TOC3 Method: SM 5310B

Start Date: 09/27/2010 07:20 End Date: 09/27/2010 22:28

Lab Sample ID	D / F	T y p e	Time	Analytes															
				T O C															
CCV 680-181209/1	1		07:20	X															
CCB 680-181209/2	1		07:35	X															
ZZZZZZ			07:49																
MB 680-181209/4	1	T	08:06	X															
LCS 680-181209/5	1	T	08:22	X															
LCSD 680-181209/6	1	T	08:38	X															
ZZZZZZ			08:53																
ZZZZZZ			09:09																
ZZZZZZ			09:26																
ZZZZZZ			09:42																
ZZZZZZ			09:56																
ZZZZZZ			10:11																
ZZZZZZ			10:25																
CCV 680-181209/14	1		10:41	X															
CCB 680-181209/15	1		10:56	X															
ZZZZZZ			11:10																
ZZZZZZ			11:25																
ZZZZZZ			11:39																
ZZZZZZ			11:53																
ZZZZZZ			12:08																
ZZZZZZ			12:22																
200-1636-1	1	T	12:36	X															
200-1636-1 DU	1	T	12:51	X															
200-1636-2	5	T	13:05	X															
200-1636-3	1	T	13:20	X															
CCV 680-181209/26	1		13:36	X															
CCB 680-181209/27	1		13:55	X															
200-1636-4	1	T	14:09	X															
200-1636-5	1	T	14:24	X															
ZZZZZZ			14:38																
ZZZZZZ			14:52																
ZZZZZZ			15:07																
ZZZZZZ			15:21																
ZZZZZZ			15:36																
ZZZZZZ			15:52																
ZZZZZZ			16:08																
ZZZZZZ			16:23																
CCV 680-181209/38	1		16:37	X															
CCB 680-181209/39	1		16:52	X															
ZZZZZZ			17:06																
ZZZZZZ			17:20																
ZZZZZZ			17:35																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 200-1636-1

SDG No.: 200-1636-1

Instrument ID: TOC3 Method: SM 5310B

Start Date: 09/27/2010 07:20 End Date: 09/27/2010 22:28

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				T O C																	
ZZZZZZ			17:51																		
ZZZZZZ			18:07																		
ZZZZZZ			18:24																		
ZZZZZZ			18:40																		
ZZZZZZ			18:55																		
ZZZZZZ			19:09																		
ZZZZZZ			19:25																		
CCV 680-181209/50			19:42																		
CCB 680-181209/51			19:56																		
ZZZZZZ			20:11																		
ZZZZZZ			20:41																		
ZZZZZZ			20:58																		
ZZZZZZ			21:14																		
ZZZZZZ			21:29																		
ZZZZZZ			21:43																		
ZZZZZZ			21:57																		
ZZZZZZ			22:14																		
ZZZZZZ			22:28																		

Prep Types
T = Total/NA

TESTAMERICA SAVANNAH

INITIAL CALIBRATION DATA

Start Cal Date : 01-OCT-2010 22:01
 End Cal Date : 01-OCT-2010 23:03
 Quant Method : ESTD
 Target Version : 3.50
 Integrator : Falcon
 Method file : /chem/LC/LCGIC.i/2G100210A-NPW.b/g-NPW-300-9056-9056A.m
 Cal Date : 04-Oct-2010 11:01 brazellc

Calibration File Names:

Level 1: /chem/LC/LCGIC.i/3G100110A-NPW.b/0030.d
 Level 2: /chem/LC/LCGIC.i/3G100110A-NPW.b/0031.d
 Level 3: /chem/LC/LCGIC.i/3G100110A-NPW.b/0032.d
 Level 4: /chem/LC/LCGIC.i/3G100110A-NPW.b/0033.d
 Level 5: /chem/LC/LCGIC.i/3G100110A-NPW.b/0034.d
 Level 6: /chem/LC/LCGIC.i/3G100110A-NPW.b/0035.d

Compound	1 Level 1	2 Level 2	3 Level 3	4 Level 4	5 Level 5	6 Level 6	Curve	b	Coefficients m1 m2	%RSD or R^2
1 FLUORIDE	62083	130930	288148	758175	1465254	3480119	LINR	0.000e+00	351676	0.99908
2 CHLORIDE	197533	206047	231081	241081	236589	237834	AVRG		225027	8.21398
4 SULFATE	146855	150439	164556	175529	173764	175189	AVRG		164389	7.84091
3 BROMIDE	75513	79521	90151	99504	100971	104134	AVRG		91632	13.04268

TESTAMERICA SAVANNAH

INITIAL CALIBRATION DATA

Start Cal Date : 01-OCT-2010 22:01
End Cal Date : 01-OCT-2010 23:03
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/LC/LCGIC.i/2G100210A-NPW.b/g-NPW-300-9056-9056A.m
Cal Date : 04-Oct-2010 11:01 brazellc

Curve	Formula	Units
Averaged	Ant = Resp/ml	Response
Linear	Ant = b + Resp/ml	Response

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10/06/2010

Data File: /chem/LC/LCGIC.i/3G100110A-NPW.b/0030.d
Report Date: 02-Oct-2010 09:30

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TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G100110A-NPW.b/0030.d
Lab Smp Id: IC Client Smp ID: ANION-1
Inj Date : 01-OCT-2010 22:01
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-1~3G100110
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G100110A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 02-Oct-2010 09:30 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 22:01 Cal File: 0030.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

AMOUNTS					
RT	EXP RT	DLT RT	CAL-AMT		ON-COL
			RESPONSE (mg/L)		(mg/L)
==	=====	=====	=====	=====	=====
1 FLUORIDE					
			CAS #: 16984-48-8		
3.042	3.042	0.000	62083	0.20000	0.20

3 BROMIDE					
			CAS #: 24959-67-9		
6.508	6.508	0.000	75513	1.00000	1.0

2 CHLORIDE					
			CAS #: 16987-00-6		
4.067	4.067	0.000	197533	1.00000	1.0 (M)

4 SULFATE					
			CAS #: 14808-79-8		
4.917	4.917	0.000	146855	1.00000	1.0

QC Flag Legend

M - Compound response manually integrated.

Data File: 0030.d

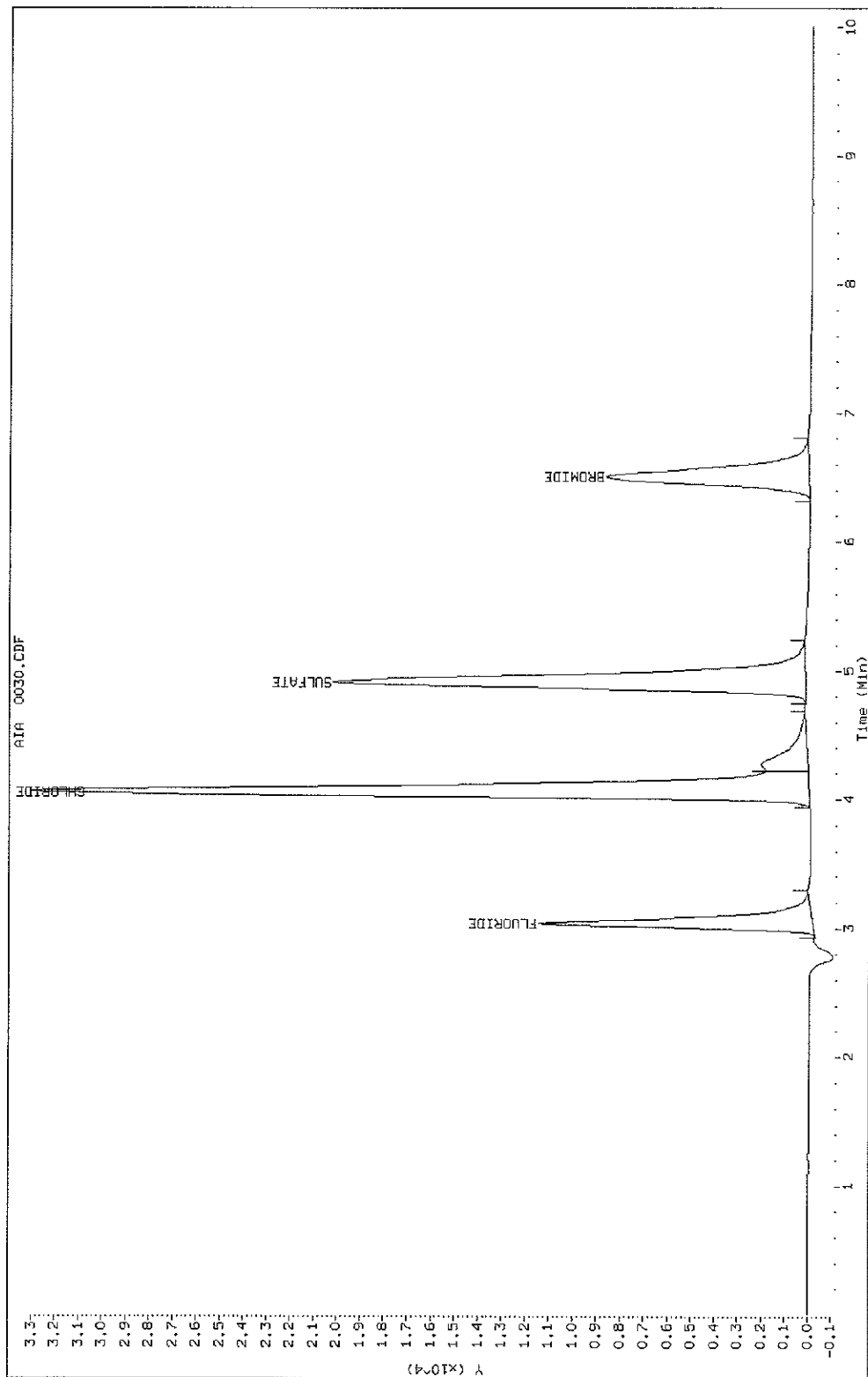
Date: 01-OCT-2010 22:01

Client ID: ANION-1

Sample Info: ANION-1-3G100110

Instrument: LCGIC.i

Operator: CB

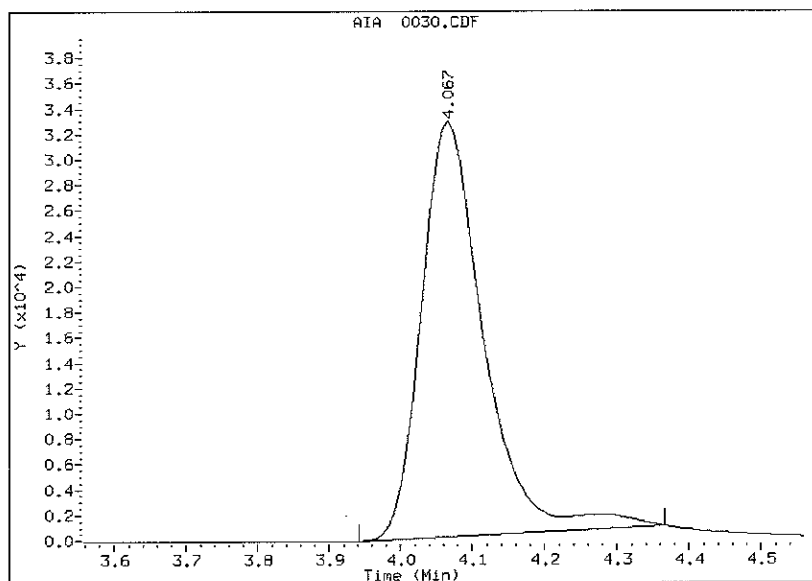


Manual Integration Report

Data File: 0030.d
Inj. Date and Time: 01-OCT-2010 22:01
Instrument ID: LCGIC.i
Client ID: ANION-1
Compound: 2 CHLORIDE
CAS #: 16887-00-6
Report Date: 10/04/2010

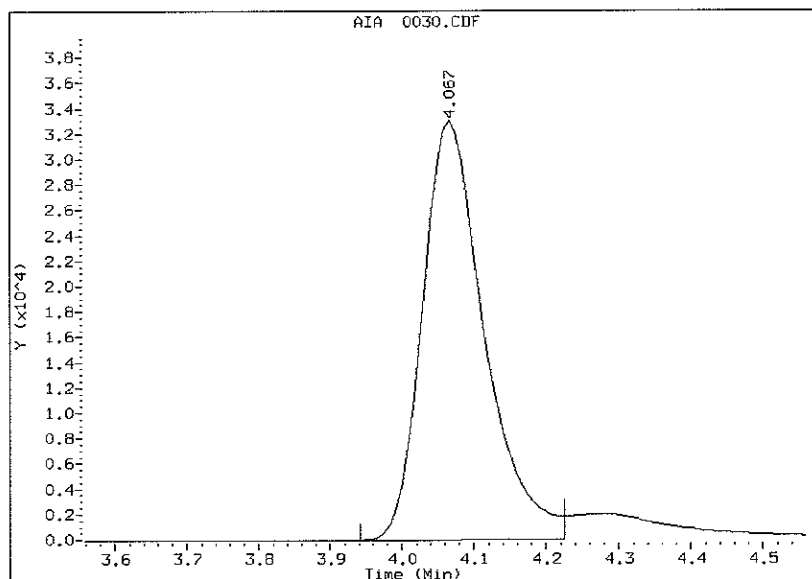
Processing Integration Results

RT: 4.07
Response: 198161
Amount: 1.00
Conc: 1.00



Manual Integration Results

RT: 4.07
Response: 197533
Amount: 1.00
Conc: 1.00



Manually Integrated By: brazellc
Manual Integration Reason: Split Peak

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G100110A-NPW.b/0031.d
Lab Smp Id: IC Client Smp ID: ANION-2
Inj Date : 01-OCT-2010 22:14
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-2~3G100110
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G100110A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 02-Oct-2010 09:30 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 22:14 Cal File: 0031.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
==	=====	=====	=====	=====	=====
1 FLUORIDE			CAS #: 16984-48-8		
3.042	3.042	0.000	130930	0.40000	0.40

3 BROMIDE			CAS #: 24959-67-9		
6.500	6.500	0.000	159042	2.00000	2.1

2 CHLORIDE			CAS #: 16887-00-6		
4.067	4.067	0.000	412094	2.00000	2.0

4 SULFATE			CAS #: 14808-79-8		
4.917	4.917	0.000	300878	2.00000	2.0

QC Flag Legend

M - Compound response manually integrated.

Data File: 0031.d

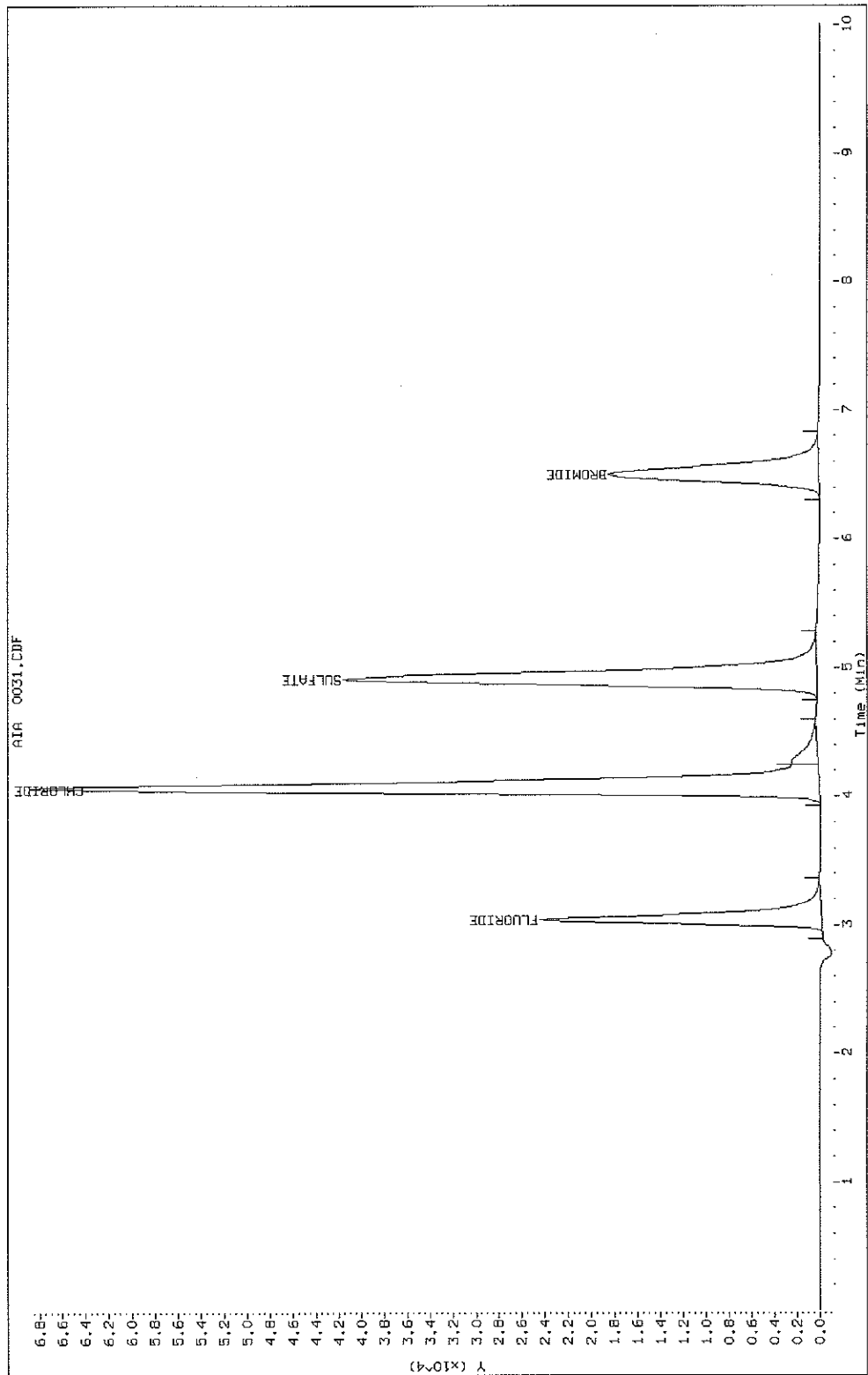
Date: 01-OCT-2010 22:14

Client ID: ANION-2

Sample Info: ANION-2~3G100110

Instrument: LCGIC.i

Operator: CB

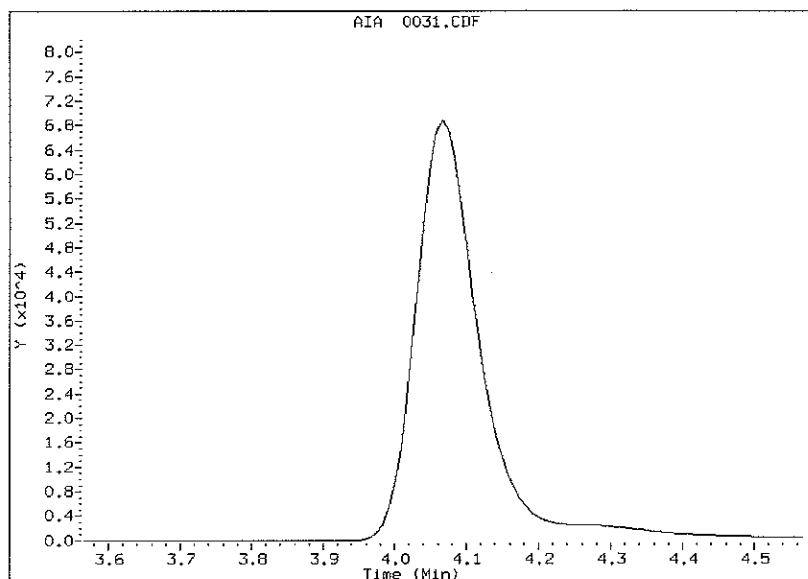


Manual Integration Report

Data File: 0031.d
Inj. Date and Time: 01-OCT-2010 22:14
Instrument ID: LCGIC.i
Client ID: ANION-2
Compound: 2 CHLORIDE
CAS #: 16887-00-6
Report Date: 10/04/2010

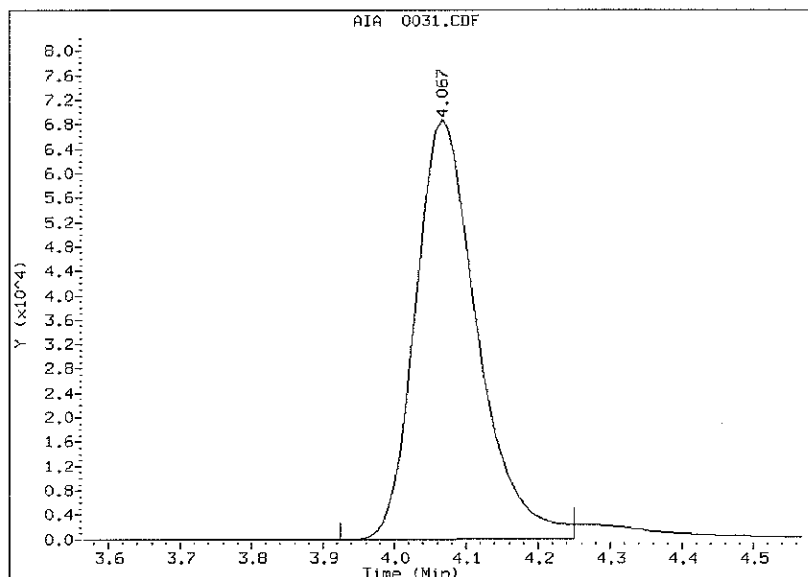
Processing Integration Results

RT: 4.07
Response: 429874
Amount: 2.08
Conc: 2.08



Manual Integration Results

RT: 4.07
Response: 412094
Amount: 2.04
Conc: 2.04



Manually Integrated By: brazellc
Manual Integration Reason: Split Peak

Data File: /chem/LC/LCGIC.i/3G100110A-NPW.b/0032.d
Report Date: 02-Oct-2010 09:30

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TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G100110A-NPW.b/0032.d
Lab Smp Id: IC Client Smp ID: ANION-3
Inj Date : 01-OCT-2010 22:26
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-3~3G100110
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G100110A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 02-Oct-2010 09:30 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 22:26 Cal File: 0032.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE (mg/L)	{ mg/L}	
==	=====	=====	=====	=====	=====
1 FLUORIDE			CAS #: 16984-48-8		
3.042	3.042	0.000	288148 0.80000	0.82	

3 BROMIDE			CAS #: 24959-67-9		
6.500	6.500	0.000	360603 4.00000	4.4	

2 CHLORIDE			CAS #: 16887-00-6		
4.067	4.067	0.000	924322 4.00000	4.4	

4 SULFATE			CAS #: 14808-79-8		
4.917	4.917	0.000	658225 4.00000	4.3	

Data File: 0032.d

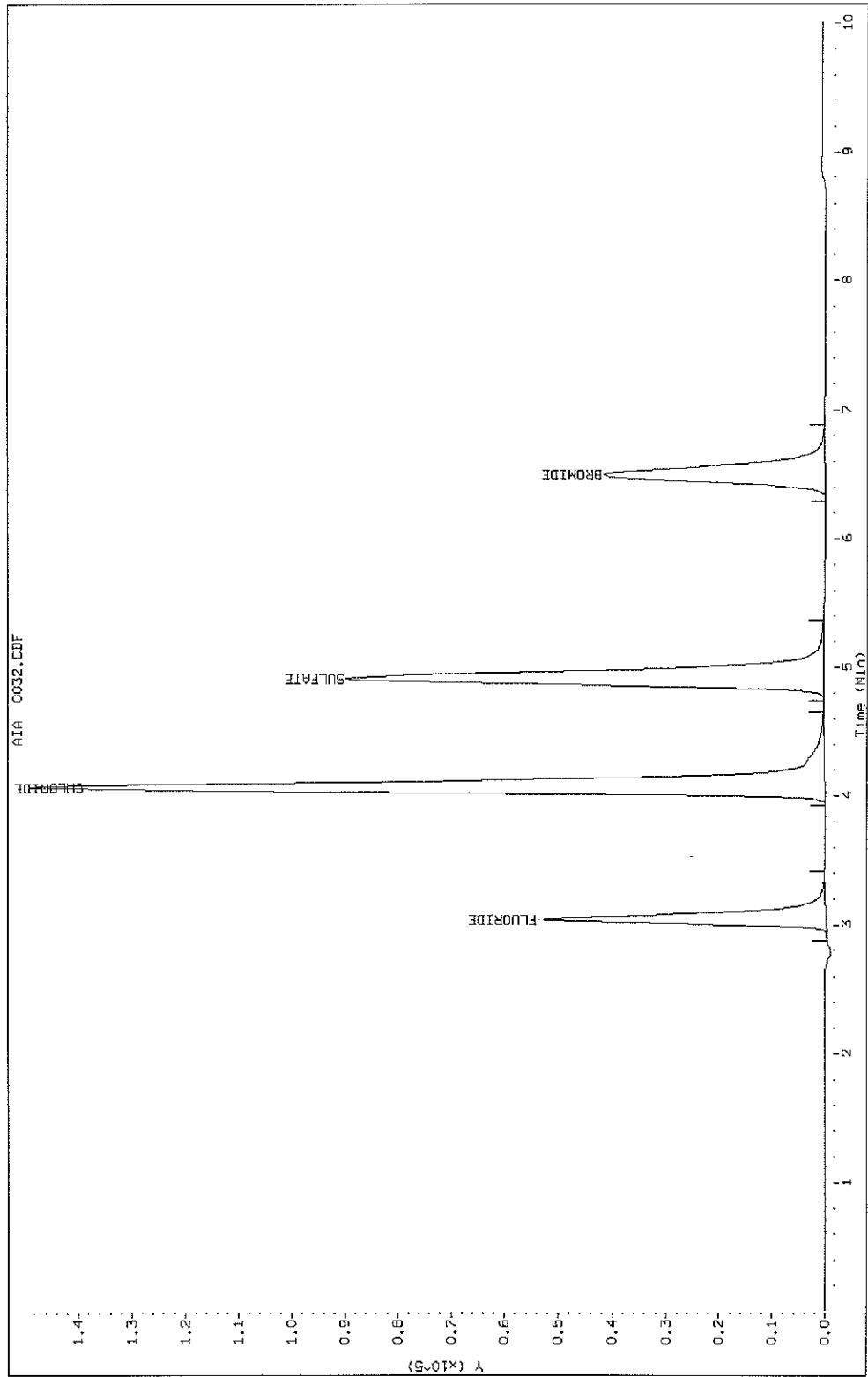
Date: 01-OCT-2010 22:26

Client ID: ANION-3

Sample Info: ANION-3~3G100110

Instrument: LCGIC.i

Operator: CB



Data File: /chem/LC/LCGIC.i/3G100110A-NPW.b/0033.d
Report Date: 02-Oct-2010 09:30

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TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G100110A-NPW.b/0033.d
Lab Smp Id: IC Client Smp ID: ANION-4
Inj Date : 01-OCT-2010 22:38
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~3G100110
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G100110A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 02-Oct-2010 09:30 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 22:38 Cal File: 0033.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

AMOUNTS

			CAL-AMT	ON-COL
RT	EXP RT	DLT RT	RESPONSE (mg/L)	(mg/L)
=====				
1 FLUORIDE				
3.042	3.042	0.000	758175 2.00000	CAS #: 16984-48-8 2.0

3 BROMIDE				
6.483	6.483	0.000	995040 10.0000	CAS #: 24959-67-9 12

2 CHLORIDE				
4.067	4.067	0.000	2410811 10.0000	CAS #: 16887-00-6 11

4 SULFATE				
4.908	4.908	0.000	1755294 10.0000	CAS #: 14808-79-8 11

Data File: 0033.d

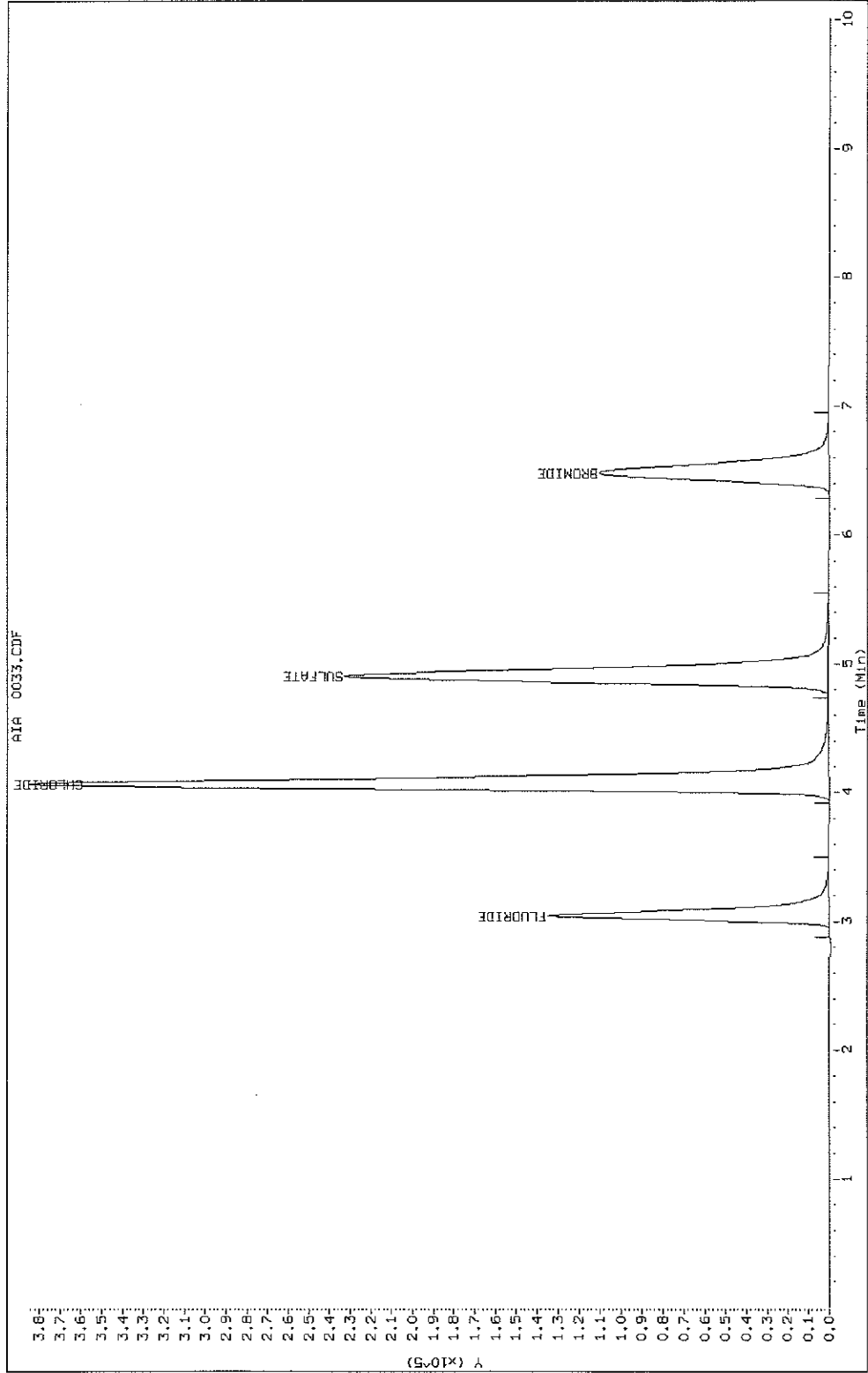
Date: 01-OCT-2010 22:38

Client ID: ANION-4

Sample Info: ANION-4~3G100110

Instrument: LCGIC.i

Operator: CB



Data File: /chem/LC/LCGIC.i/3G100110A-NPW.b/0034.d
Report Date: 02-Oct-2010 09:30

Page 1

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G100110A-NPW.b/0034.d
Lab Smp Id: IC Client Smp ID: ANION-5
Inj Date : 01-OCT-2010 22:51
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-5~3G100110
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G100110A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 02-Oct-2010 09:30 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 22:51 Cal File: 0034.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

AMOUNTS

			CAL-AMT		ON-COL
RT	EXP RT	DLT RT	RESPONSE (mg/L)		(mg/L)
1	FLUORIDE				CAS #: 16984-48-8
3.042	3.042	0.000	1465254	4.00000	4.0
3	BROMIDE				CAS #: 24959-67-9
6.458	6.458	0.000	2019414	20.0000	23
2	CHLORIDE				CAS #: 16887-00-6
4.067	4.067	0.000	4731770	20.0000	21
4	SULFATE				CAS #: 14808-79-8
4.900	4.900	0.000	3475276	20.0000	21

Data File: 0034.d

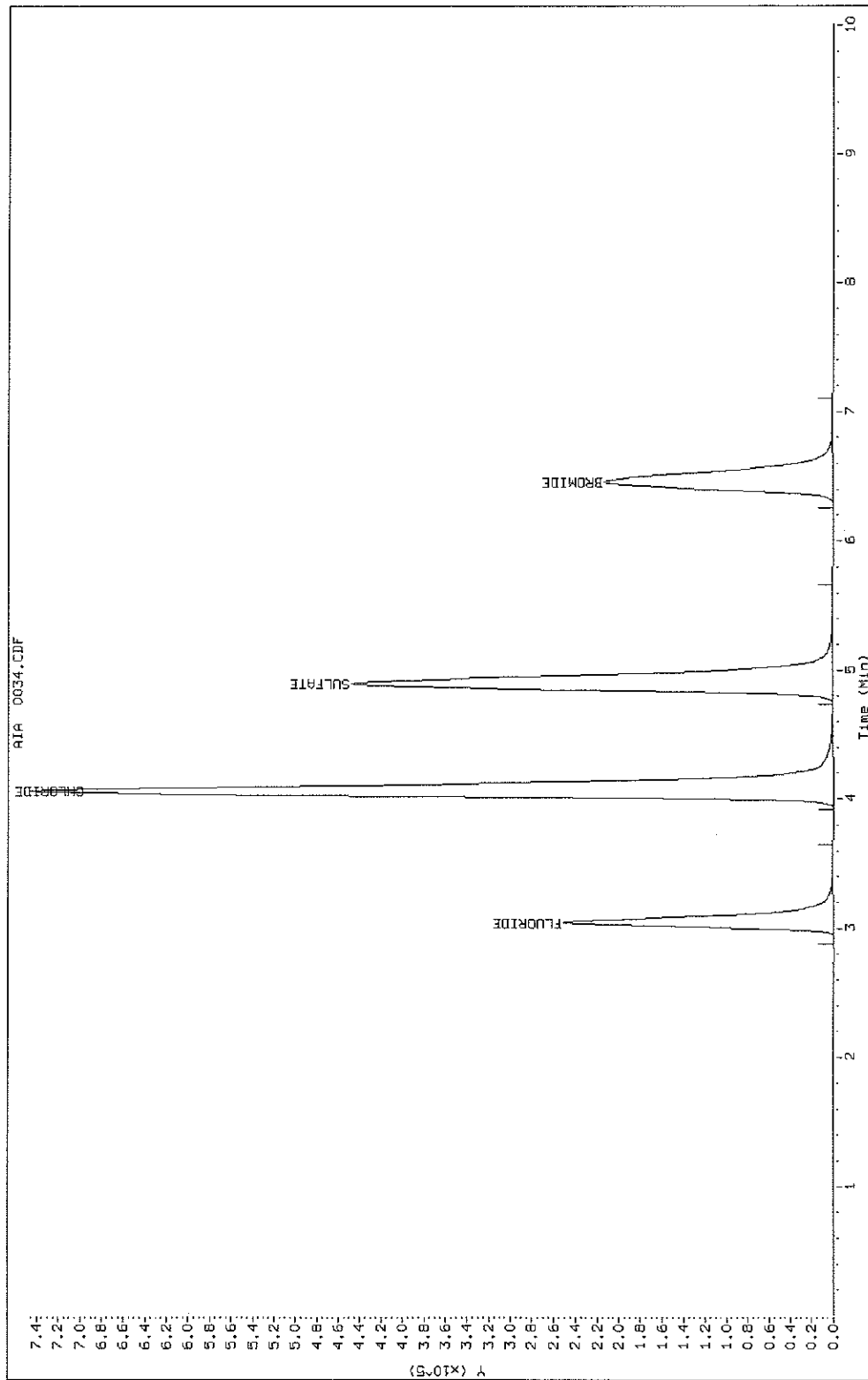
Date: 01-OCT-2010 22:51

Client ID: ANION-5

Sample Info: ANION-5-3G100110

Instrument: LCGIC.i

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G100110A-NPW.b/0035.d
Lab Smp Id: IC Client Smp ID: ANION-6
Inj Date : 01-OCT-2010 23:03
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-6~3G100110
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G100110A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 02-Oct-2010 09:30 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 23:03 Cal File: 0035.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

AMOUNTS					
			CAL-AMT		ON-COL
RT	EXP RT	DLT RT	RESPONSE (mg/L)		(mg/L)
==	=====	=====	=====	=====	=====
1 FLUORIDE					
			CAS #: 16984-48-8		
3.050	3.050	0.000	3480119	10.0000	9.9

3 BROMIDE					
			CAS #: 24959-67-9		
6.409	6.409	0.000	5206689	50.0000	57 (A)

2 CHLORIDE					
			CAS #: 16887-00-6		
4.059	4.059	0.000	11891717	50.0000	53 (A)

4 SULFATE					
			CAS #: 14808-79-8		
4.875	4.875	0.000	8759448	50.0000	53 (A)

QC Flag Legend

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

Data File: 0035.d

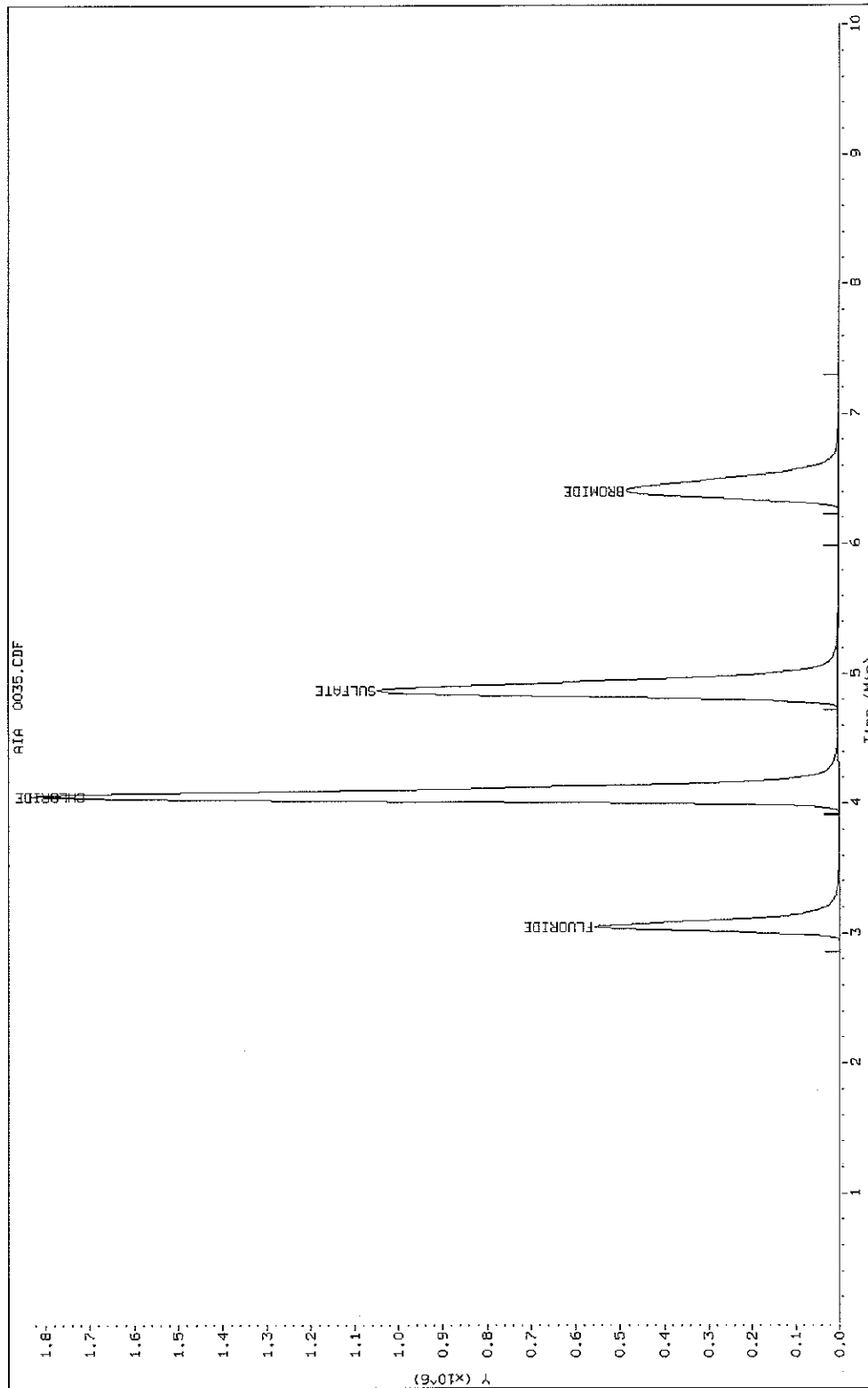
Date: 01-OCT-2010 23:03

Client ID: ANION-6

Sample Info: ANION-6~3G100110

Instrument: LCGIC.i

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G100210A-NPW.b/0029.d
Lab Smp Id: ANION-4 Client Smp ID: ANION-4
Inj Date : 02-OCT-2010 16:13
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~2G100210
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G100210A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 04-Oct-2010 11:01 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 23:03 Cal File: 0035.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
==	=====	=====	=====	=====	=====
1 FLUORIDE			CAS #: 16984-48-8		
3.050	3.050	0.000	763948	2.00000	2.2

3 BROMIDE			CAS #: 24959-67-9		
6.492	6.492	0.000	1007656	10.0000	11

2 CHLORIDE			CAS #: 16887-00-6		
4.075	4.075	0.000	2450530	10.0000	11

4 SULFATE			CAS #: 14808-79-8		
4.909	4.909	0.000	1773811	10.0000	11

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G100210A-NPW.b/0030.d
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 02-OCT-2010 16:26
Operator : CB Inst ID: LCGIC.i
Smp Info : MB~2G100210
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G100210A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 04-Oct-2010 11:01 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 23:03 Cal File: 0035.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS			
		ON-COL	FINAL
RT	EXP RT	DLT RT	RESPONSE (mg/L) (mg/L)
==	=====	=====	=====

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G100210A-NPW.b/0031.d
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 02-OCT-2010 16:38
Operator : CB Inst ID: LCGIC.i
Smp Info : LCS~2G100210
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G100210A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 04-Oct-2010 11:01 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 23:03 Cal File: 0035.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: Amt * DF * E*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
			ON-COL		FINAL
RT	EXP RT	DLT RT	RESPONSE (mg/L)		(mg/L)
==	=====	=====	=====	=====	=====
1 FLUORIDE					
					CAS #: 16984-48-8
3.050	3.050	0.000	731877	2.08111	10

3 BROMIDE					
					CAS #: 24959-67-9
6.492	6.492	0.000	959487	10.4711	52

2 CHLORIDE					
					CAS #: 16887-00-6
4.075	4.075	0.000	2356184	10.4707	52

4 SULFATE					
					CAS #: 14808-79-8
4.908	4.909	-0.001	1732236	10.5374	53

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G100210A-NPW.b/0032.d
Lab Smp Id: LCSD Client Smp ID: LCSD
Inj Date : 02-OCT-2010 16:51
Operator : CB Inst ID: LCGIC.i
Smp Info : LCSD~2G100210
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G100210A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 04-Oct-2010 11:01 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 23:03 Cal File: 0035.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: Amt * DF * E*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
			ON-COL	FINAL	
RT	EXP RT	DLT RT	RESPONSE (mg/L)	(mg/L)	
==	=====	=====	=====	=====	=====
1 FLUORIDE CAS #: 16984-48-8					
3.050	3.050	0.000	733603 2.08602	10	

3 BROMIDE CAS #: 24959-67-9					
6.492	6.492	0.000	961117 10.4889	52	

2 CHLORIDE CAS #: 16887-00-6					
4.075	4.075	0.000	2357659 10.4772	52	

4 SULFATE CAS #: 14808-79-8					
4.909	4.909	0.000	1734649 10.5521	53	

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G100210A-NPW.b/0044.d
Lab Smp Id: ANION-4 Client Smp ID: ANION-4
Inj Date : 02-OCT-2010 19:19
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~2G100210
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G100210A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 04-Oct-2010 11:01 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 23:03 Cal File: 0035.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
==	=====	=====	=====	=====	=====
1 FLUORIDE			CAS #: 16984-48-8		
3.058	3.058	0.000	764157	2.00000	2.2

3 BROMIDE			CAS #: 24959-67-9		
6.492	6.492	0.000	1007503	10.0000	11

2 CHLORIDE			CAS #: 16887-00-6		
4.075	4.075	0.000	2444734	10.0000	11

4 SULFATE			CAS #: 14808-79-8		
4.900	4.900	0.000	1771053	10.0000	11

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G100210A-NPW.b/0045.d
Lab Smp Id: CCB Client Smp ID: CCB
Inj Date : 02-OCT-2010 19:32
Operator : CB Inst ID: LCGIC.i
Smp Info : CCB~2G100210
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G100210A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 04-Oct-2010 11:01 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 23:03 Cal File: 0035.d
Als bottle: 1 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS			
		ON-COL	FINAL
RT	EXP RT	DLT RT	RESPONSE (mg/L) (mg/L)
==	=====	=====	=====

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G100210A-NPW.b/0050.d
Lab Smp Id: 200-1636-G-1 Client Smp ID: ISCO-MW1
Inj Date : 02-OCT-2010 20:34
Operator : CB Inst ID: LCGIC.i
Smp Info : 200-1636-G-1~2G100210
Misc Info : 200-1636-G-1
Comment :
Method : /chem/LC/LCGIC.i/2G100210A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 04-Oct-2010 11:01 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 23:03 Cal File: 0035.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
			ON-COL	FINAL	
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
==	=====	=====	=====	=====	=====
1 FLUORIDE			CAS #: 16984-48-8		
3.050	3.058	-0.008	210886	0.59966	3.0

2 CHLORIDE			CAS #: 16887-00-6		
4.075	4.075	0.000	1648661	7.32649	37

4 SULFATE			CAS #: 14808-79-8		
4.909	4.900	0.009	1121284	6.82093	34

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G100210A-NPW.b/0051.d
 Lab Smp Id: 200-1636-G-1 MS Client Smp ID: 200-1636-G-1 MS
 Inj Date : 02-OCT-2010 20:46
 Operator : CB Inst ID: LCGIC.i
 Smp Info : 200-1636-G-1 MS~2G100210
 Misc Info : None
 Comment :
 Method : /chem/LC/LCGIC.i/2G100210A-NPW.b/g-NPW-300-9056-9056A.m
 Meth Date : 04-Oct-2010 11:01 brazellc Quant Type: ESTD
 Cal Date : 01-OCT-2010 23:03 Cal File: 0035.d
 Als bottle: 1 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: Anion.sub
 Target Version: 3.50 Sample Matrix: WATER
 Processing Host: savchem1

Concentration Formula: Amt * DF * E*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
			ON-COL		FINAL	
RT	EXP RT	DLT RT	RESPONSE (mg/L)		(mg/L)	
==	=====	=====	=====	=====	=====	=====
1 FLUORIDE						
3.058	3.050	0.008	988030	2.80949	14	(R)
CAS #: 16984-48-8						

3 BROMIDE						
6.483	6.492	-0.009	977256	10.6650	53	
CAS #: 24959-67-9						

2 CHLORIDE						
4.075	4.075	0.000	4145099	18.4204	92	(R)
CAS #: 16887-00-6						

4 SULFATE						
4.892	4.909	-0.017	2967397	18.0511	90	(R)
CAS #: 14808-79-8						

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G100210A-NPW.b/0052.d
Lab Smp Id: 200-1636-F-2 Client Smp ID: ISCO-MW2
Inj Date : 02-OCT-2010 20:59
Operator : CB Inst ID: LCGIC.i
Smp Info : 200-1636-F-2~2G100210
Misc Info : 200-1636-F-2
Comment :
Method : /chem/LC/LCGIC.i/2G100210A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 04-Oct-2010 11:01 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 23:03 Cal File: 0035.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
			ON-COL	FINAL	
RT	EXP RT	DLT RT	RESPONSE (mg/L)	(mg/L)	
==	=====	=====	=====	=====	=====
1 FLUORIDE CAS #: 16984-48-8					
3.059	3.050	0.009	2582413 7.34315	37	

2 CHLORIDE CAS #: 16887-00-6					
4.075	4.075	0.000	1477322 6.56508	33	(M)

4 SULFATE CAS #: 14808-79-8					
4.900	4.909	-0.009	1032231 6.27921	31	

QC Flag Legend

M - Compound response manually integrated.

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G100210A-NPW.b/0053.d
Lab Smp Id: 200-1636-G-3 Client Smp ID: ISCO-MW3
Inj Date : 02-OCT-2010 21:11
Operator : CB Inst ID: LCGIC.i
Smp Info : 200-1636-G-3~2G100210
Misc Info : 200-1636-G-3
Comment :
Method : /chem/LC/LCGIC.i/2G100210A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 04-Oct-2010 11:01 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 23:03 Cal File: 0035.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS				
			ON-COL	FINAL
RT	EXP RT	DLT RT	RESPONSE (mg/L)	(mg/L)
==	=====	=====	=====	=====
1 FLUORIDE CAS #: 16984-48-8				
3.058	3.050	0.008	2254693 6.41127	32

2 CHLORIDE CAS #: 16887-00-6				
4.075	4.075	0.000	834797 3.70976	19 (M)

4 SULFATE CAS #: 14808-79-8				
4.908	4.909	-0.001	1189126 7.23362	36

QC Flag Legend

M - Compound response manually integrated.

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G100210A-NPW.b/0054.d
Lab Smp Id: 200-1636-G-4 Client Smp ID: ISCO-MW4
Inj Date : 02-OCT-2010 21:23
Operator : CB Inst ID: LCGIC.i
Smp Info : 200-1636-G-4~2G100210
Misc Info : 200-1636-G-4
Comment :
Method : /chem/LC/LCGIC.i/2G100210A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 04-Oct-2010 11:01 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 23:03 Cal File: 0035.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
			ON-COL	FINAL	
RT	EXP RT	DLT RT	RESPONSE (mg/L)	(mg/L)	
==	=====	=====	=====	=====	=====
1 FLUORIDE CAS #: 16984-48-8					
3.058	3.050	0.008	1772132 5.03910	25	

2 CHLORIDE CAS #: 16887-00-6					
4.075	4.075	0.000	1214001 5.39490	27	(M)

4 SULFATE CAS #: 14808-79-8					
4.908	4.909	-0.001	1293299 7.86732	39	

QC Flag Legend

M - Compound response manually integrated.

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G100210A-NPW.b/0055.d
Lab Smp Id: 200-1636-G-5 Client Smp ID: ISCO-MW5
Inj Date : 02-OCT-2010 21:36
Operator : CB Inst ID: LCGIC.i
Smp Info : 200-1636-G-5~2G100210
Misc Info : 200-1636-G-5
Comment :
Method : /chem/LC/LCGIC.i/2G100210A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 04-Oct-2010 11:01 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 23:03 Cal File: 0035.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS				
			ON-COL	FINAL
RT	EXP RT	DLT RT	RESPONSE (mg/L)	(mg/L)
==	=====	=====	=====	=====
1 FLUORIDE CAS #: 16984-48-8				
3.050	3.050	0.000	167731 0.47695	2.4

2 CHLORIDE CAS #: 16887-00-6				
4.075	4.075	0.000	1718545 7.63705	38 (M)

4 SULFATE CAS #: 14808-79-8				
4.900	4.909	-0.009	1434464 8.72605	44

Data File: /chem/LC/LCGIC.i/2G100210A-NPW.b/0055.d
Report Date: 04-Oct-2010 11:04

Page 2

QC Flag Legend

M - Compound response manually integrated.

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G100210A-NPW.b/0056.d
Lab Smp Id: ANION-4 Client Smp ID: ANION-4
Inj Date : 02-OCT-2010 21:48
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~2G100210
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G100210A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 04-Oct-2010 11:01 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 23:03 Cal File: 0035.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

AMOUNTS					
			CAL - AMT	ON - COL	
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
==	=====	=====	=====	=====	=====
1 FLUORIDE			CAS #: 16984-48-8		
3.050	3.050	0.000	770894	2.00000	2.2

3 BROMIDE			CAS #: 24959-67-9		
6.492	6.492	0.000	1009467	10.0000	11

2 CHLORIDE			CAS #: 16887-00-6		
4.075	4.075	0.000	2451958	10.0000	11

4 SULFATE			CAS #: 14808-79-8		
4.909	4.909	0.000	1778606	10.0000	11

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G100210A-NPW.b/0057.d
Lab Smp Id: CCB Client Smp ID: CCB
Inj Date : 02-OCT-2010 22:01
Operator : CB Inst ID: LCGIC.i
Smp Info : CCB~2G100210
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G100210A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 04-Oct-2010 11:01 brazellc Quant Type: ESTD
Cal Date : 01-OCT-2010 23:03 Cal File: 0035.d
Als bottle: 1 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS			
		ON-COL	FINAL
RT	EXP RT	DLT RT	RESPONSE (mg/L) (mg/L)
==	=====	=====	=====

Data File: 0029.d

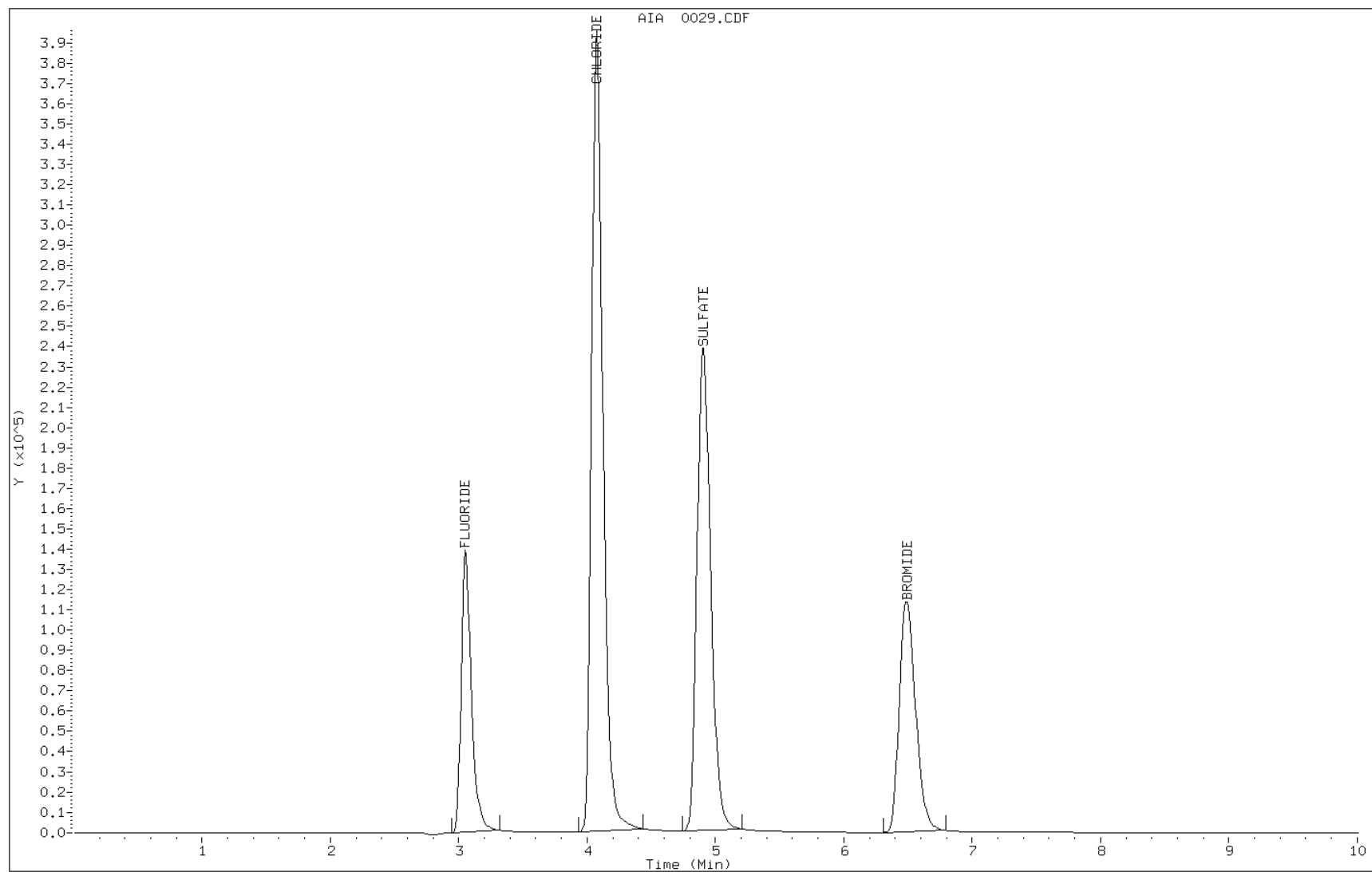
Date: 02-OCT-2010 16:13

Client ID: ANION-4

Instrument: LCGIC.i

Sample Info: ANION-4~2G100210

Operator: CB



Data File: 0030.d

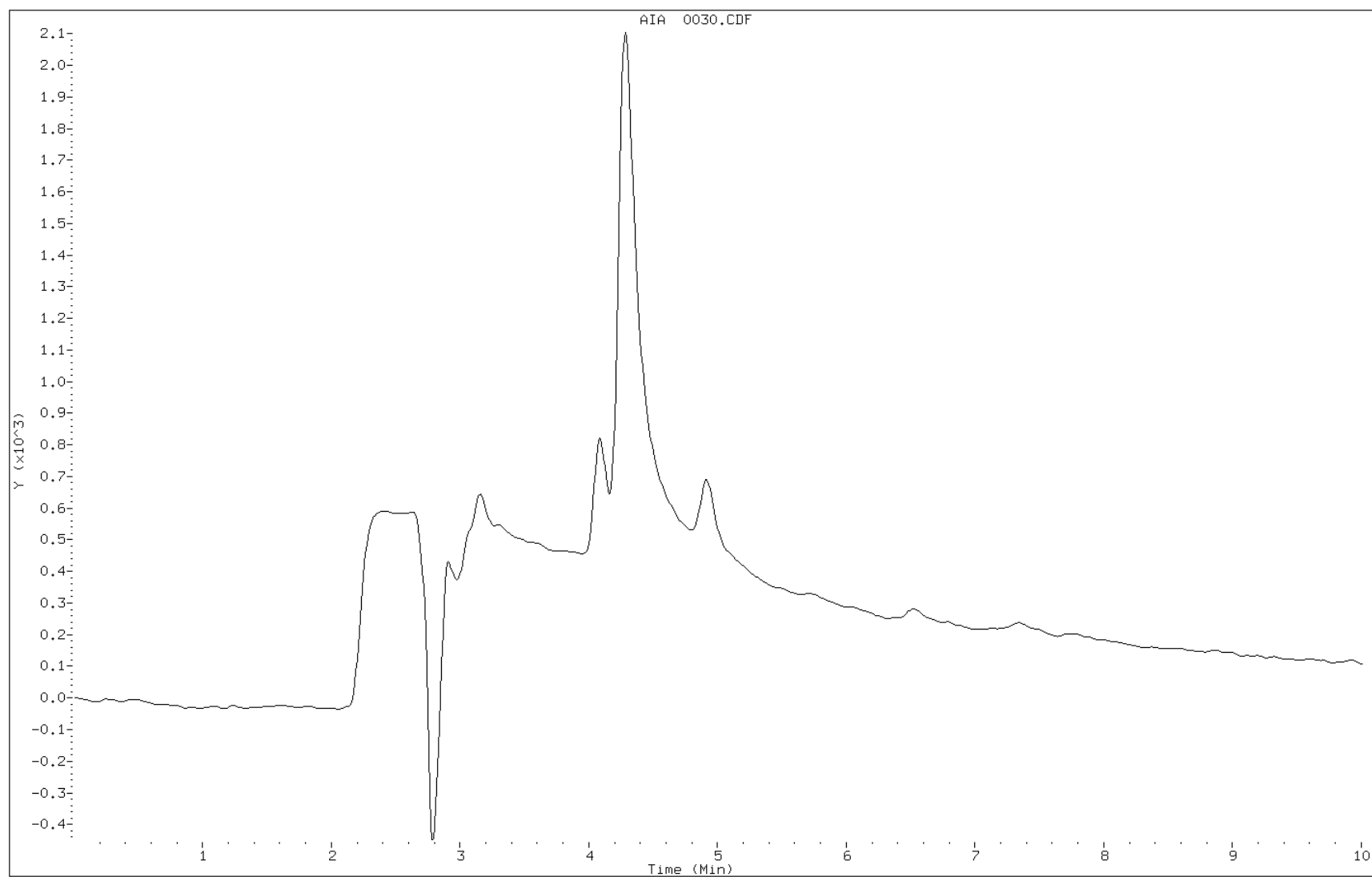
Date: 02-OCT-2010 16:26

Client ID: MB

Instrument: LCGIC.i

Sample Info: MB~2G100210

Operator: CB



Data File: 0031.d

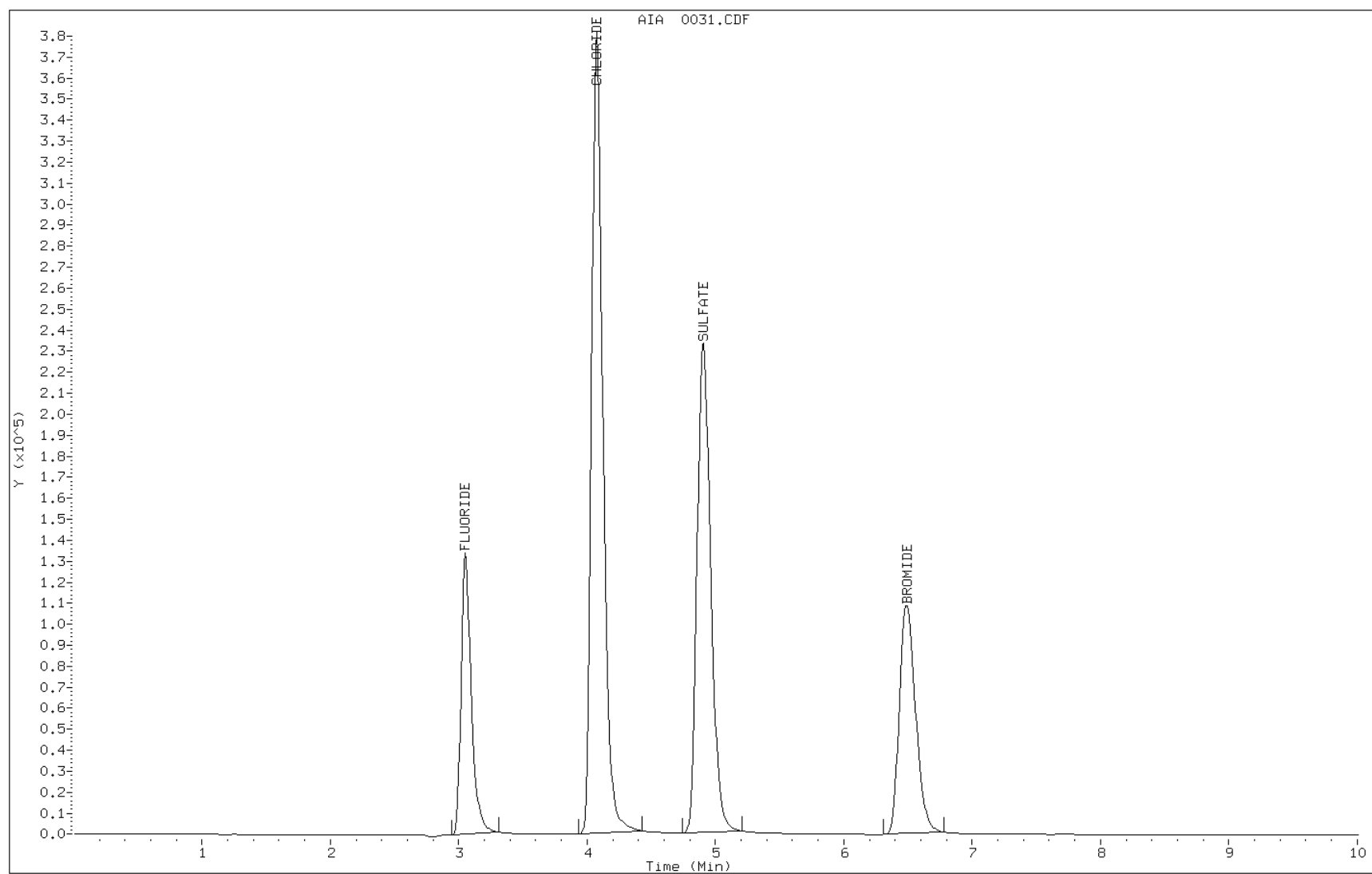
Date: 02-OCT-2010 16:38

Client ID: LCS

Instrument: LCGIC.i

Sample Info: LCS~2G100210

Operator: CB



Data File: 0032.d

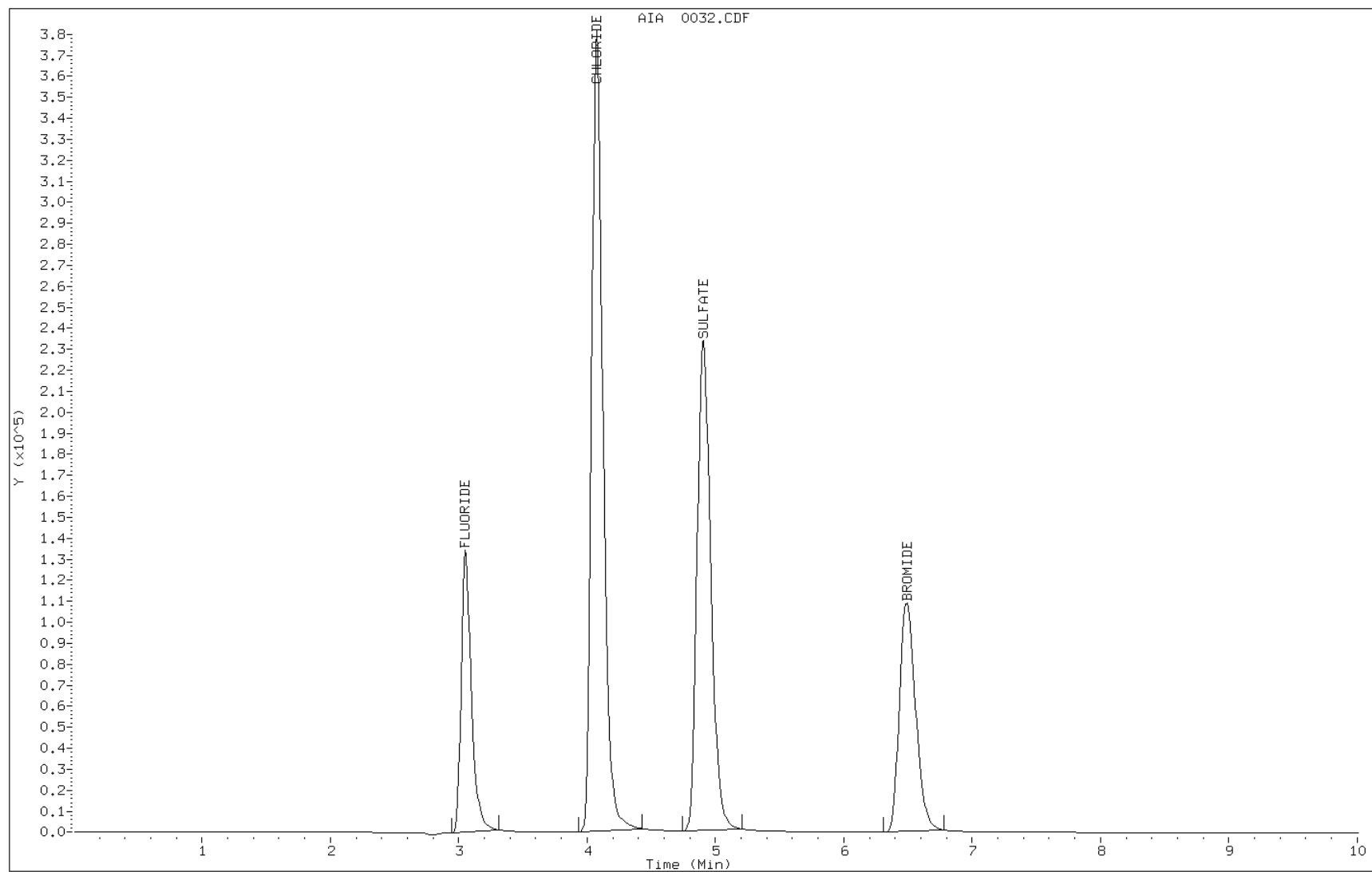
Date: 02-OCT-2010 16:51

Client ID: LCSD

Instrument: LCGIC.i

Sample Info: LCSD~2G100210

Operator: CB



Data File: 0044.d

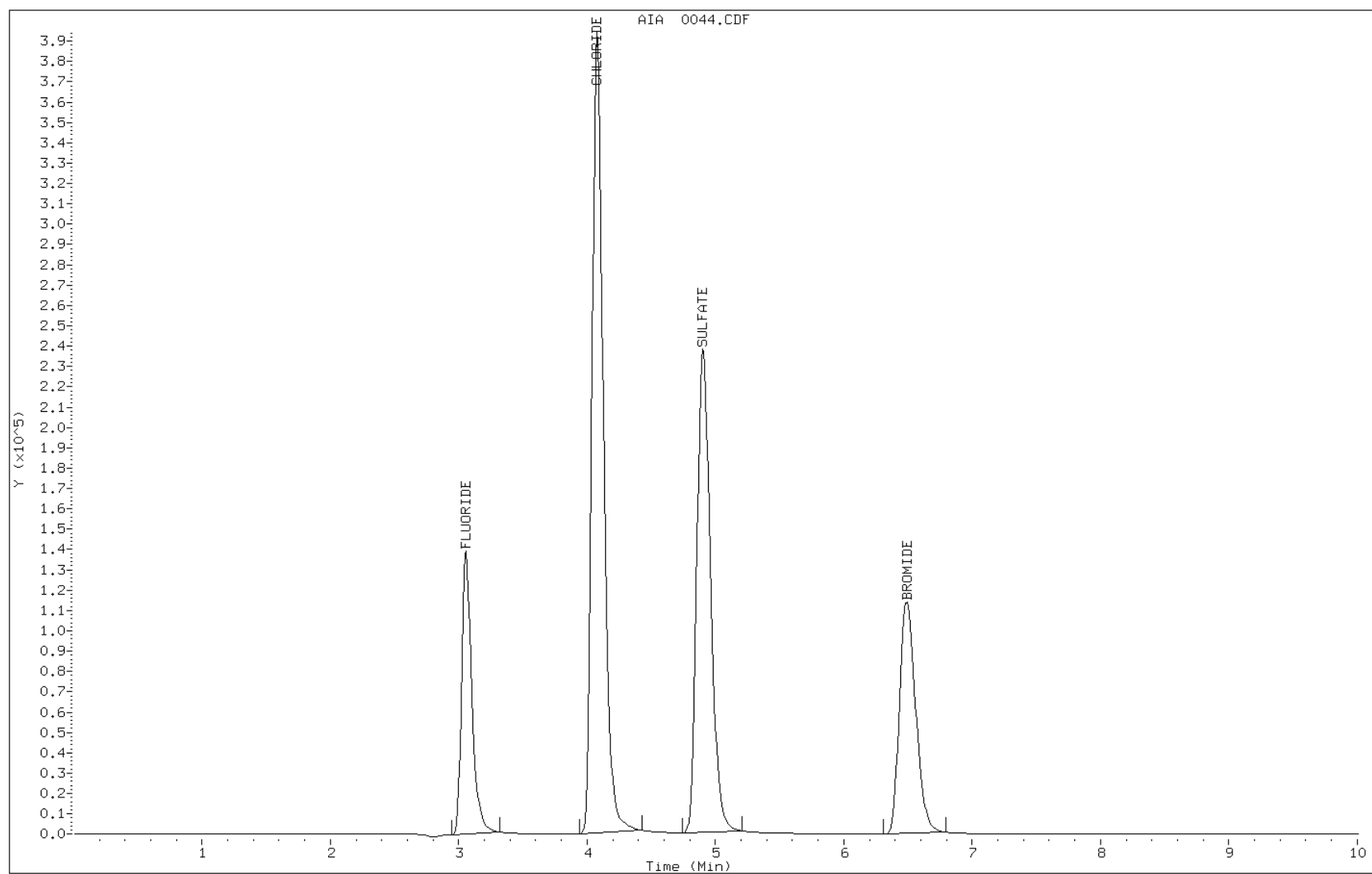
Date: 02-OCT-2010 19:19

Client ID: ANION-4

Instrument: LCGIC.i

Sample Info: ANION-4~2G100210

Operator: CB



Data File: 0045.d

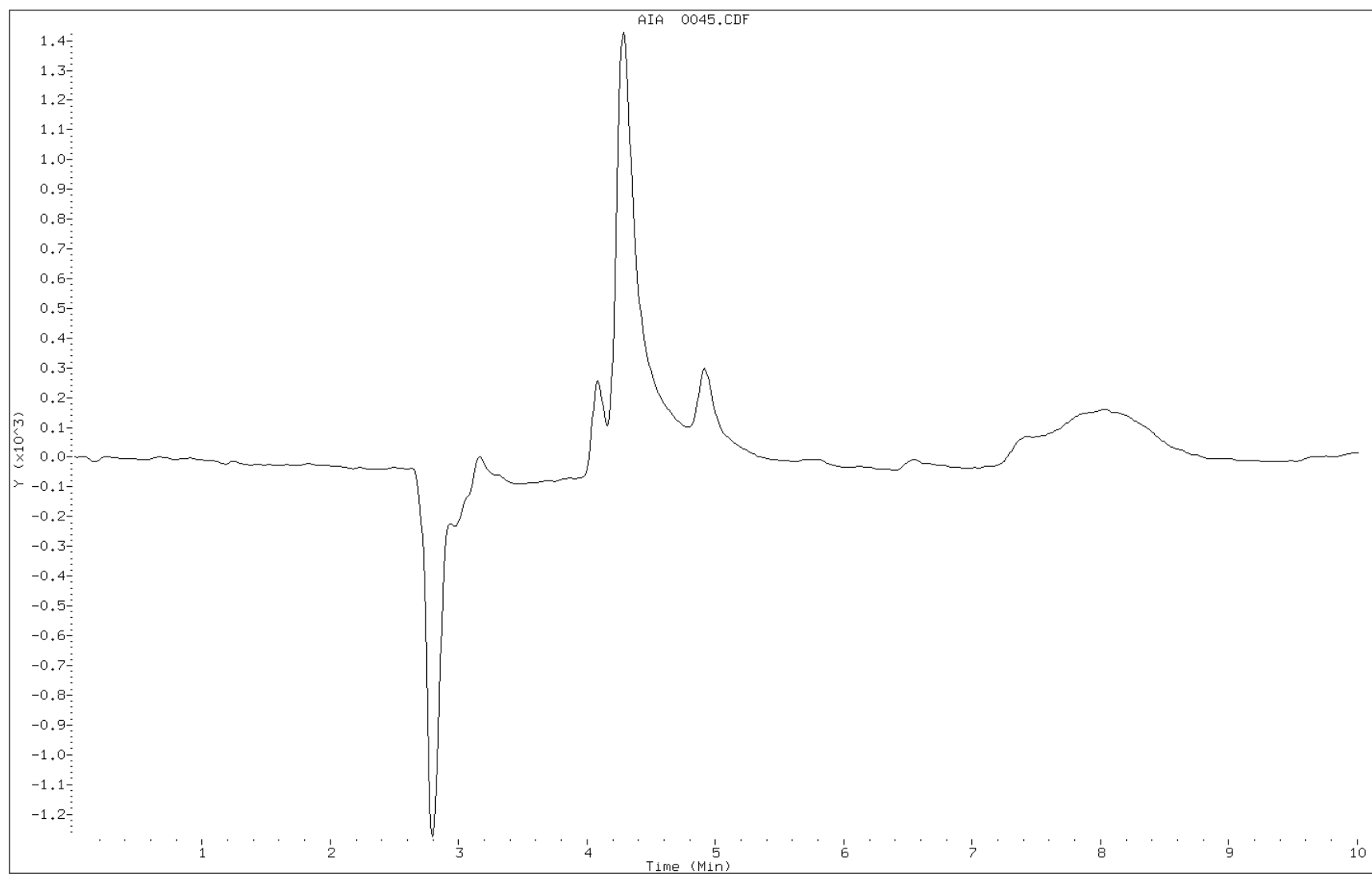
Date: 02-OCT-2010 19:32

Client ID: CCB

Instrument: LCGIC.i

Sample Info: CCB~2G100210

Operator: CB



Data File: 0050.d

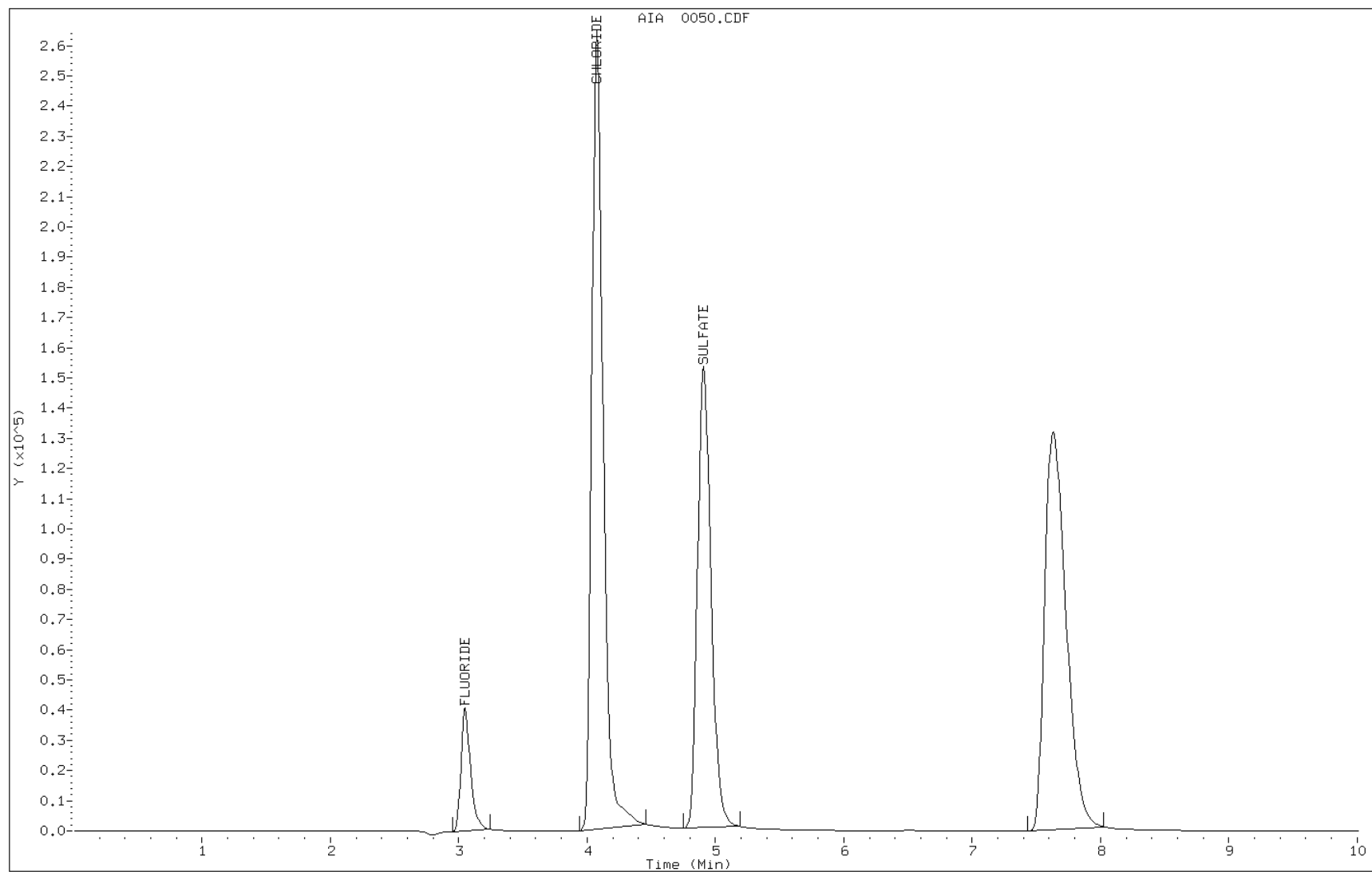
Date: 02-OCT-2010 20:34

Client ID: ISCO-MW1

Instrument: LCGIC.i

Sample Info: 200-1636-G-1~2G100210

Operator: CB



Data File: 0051.d

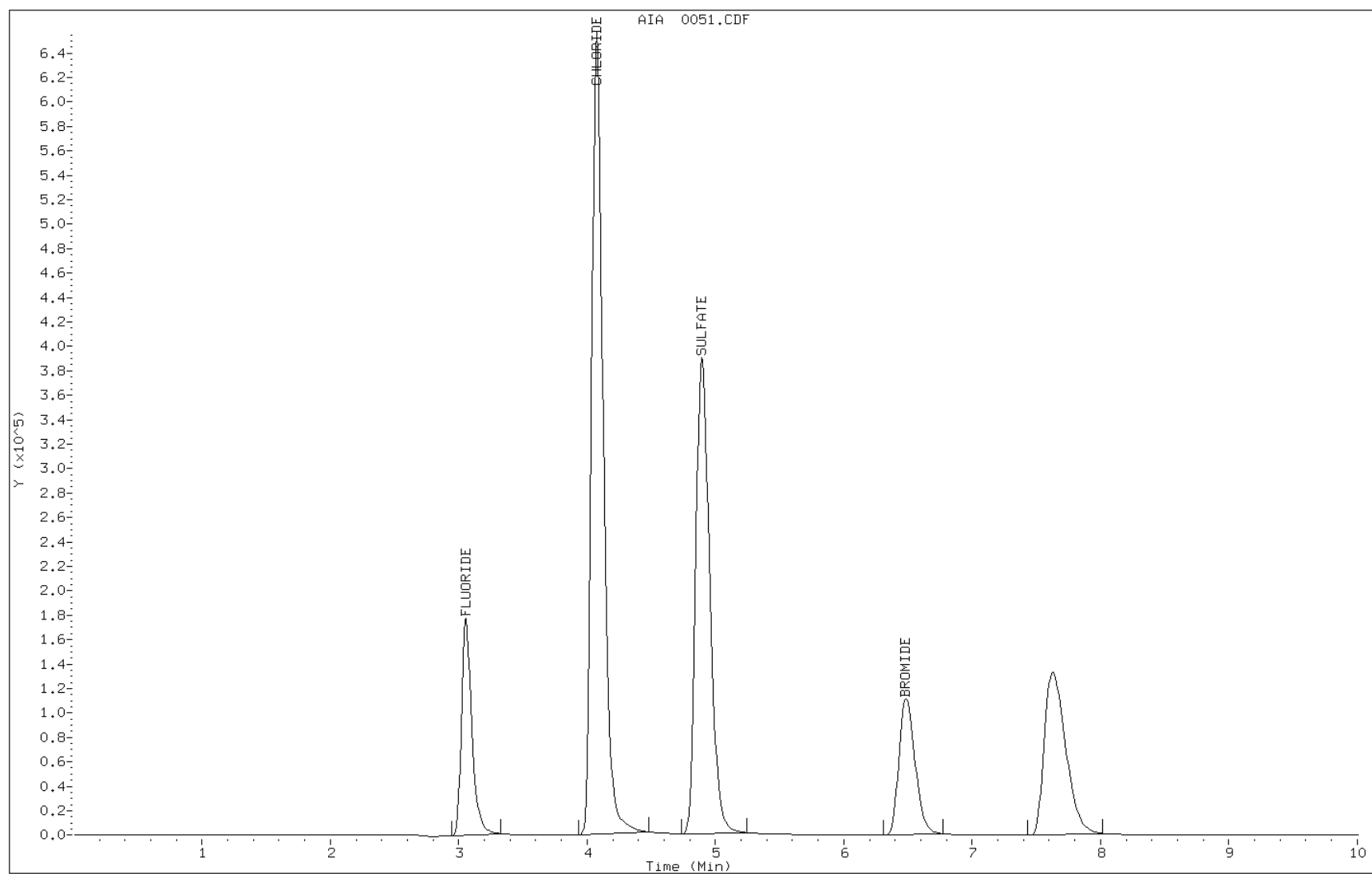
Date: 02-OCT-2010 20:46

Client ID: 200-1636-G-1 MS

Instrument: LCGIC.i

Sample Info: 200-1636-G-1 MS~2G100210

Operator: CB



Data File: 0052.d

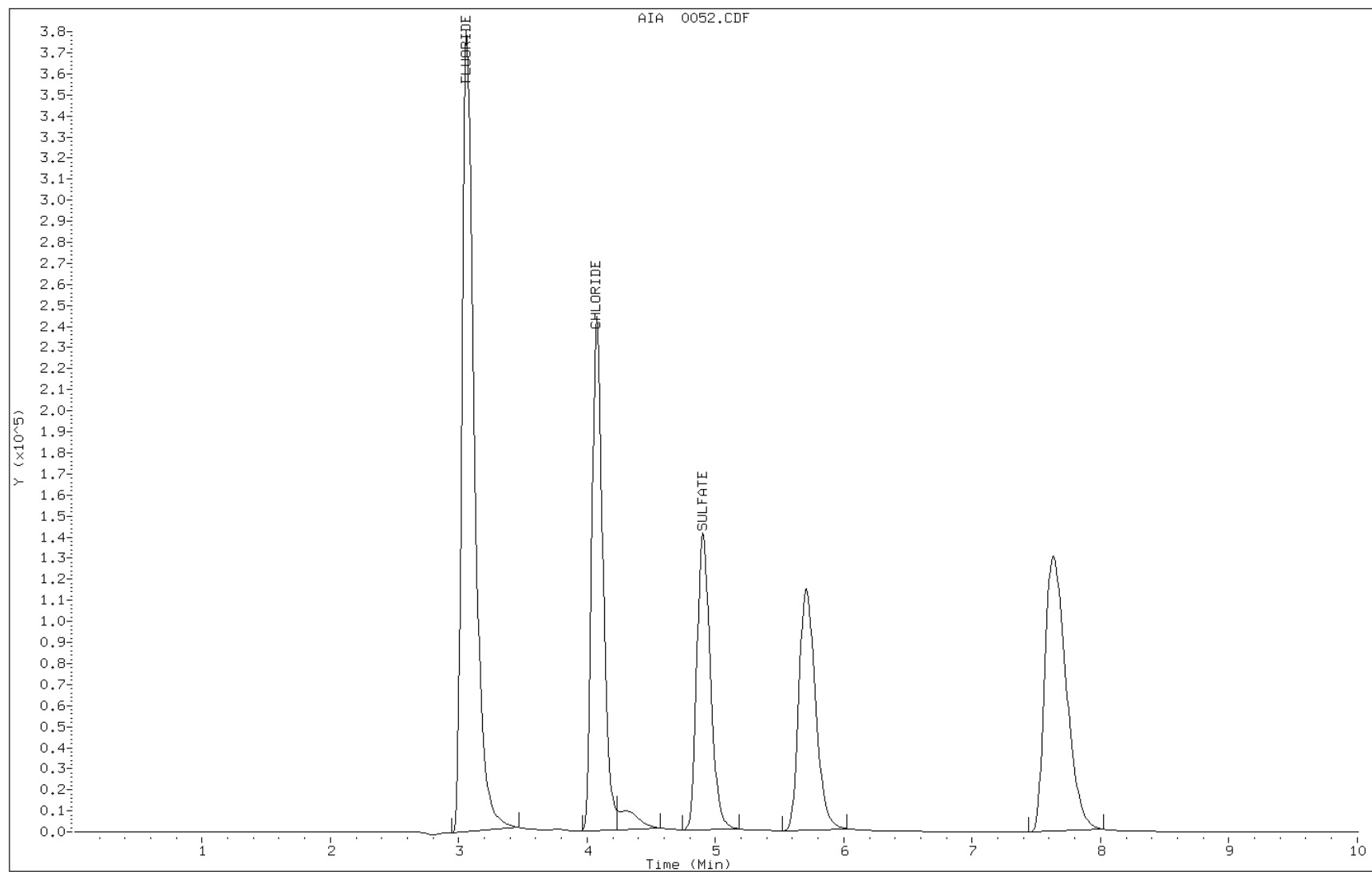
Date: 02-OCT-2010 20:59

Client ID: ISCO-MW2

Instrument: LCGIC.i

Sample Info: 200-1636-F-2~2G100210

Operator: CB



Data File: 0053.d

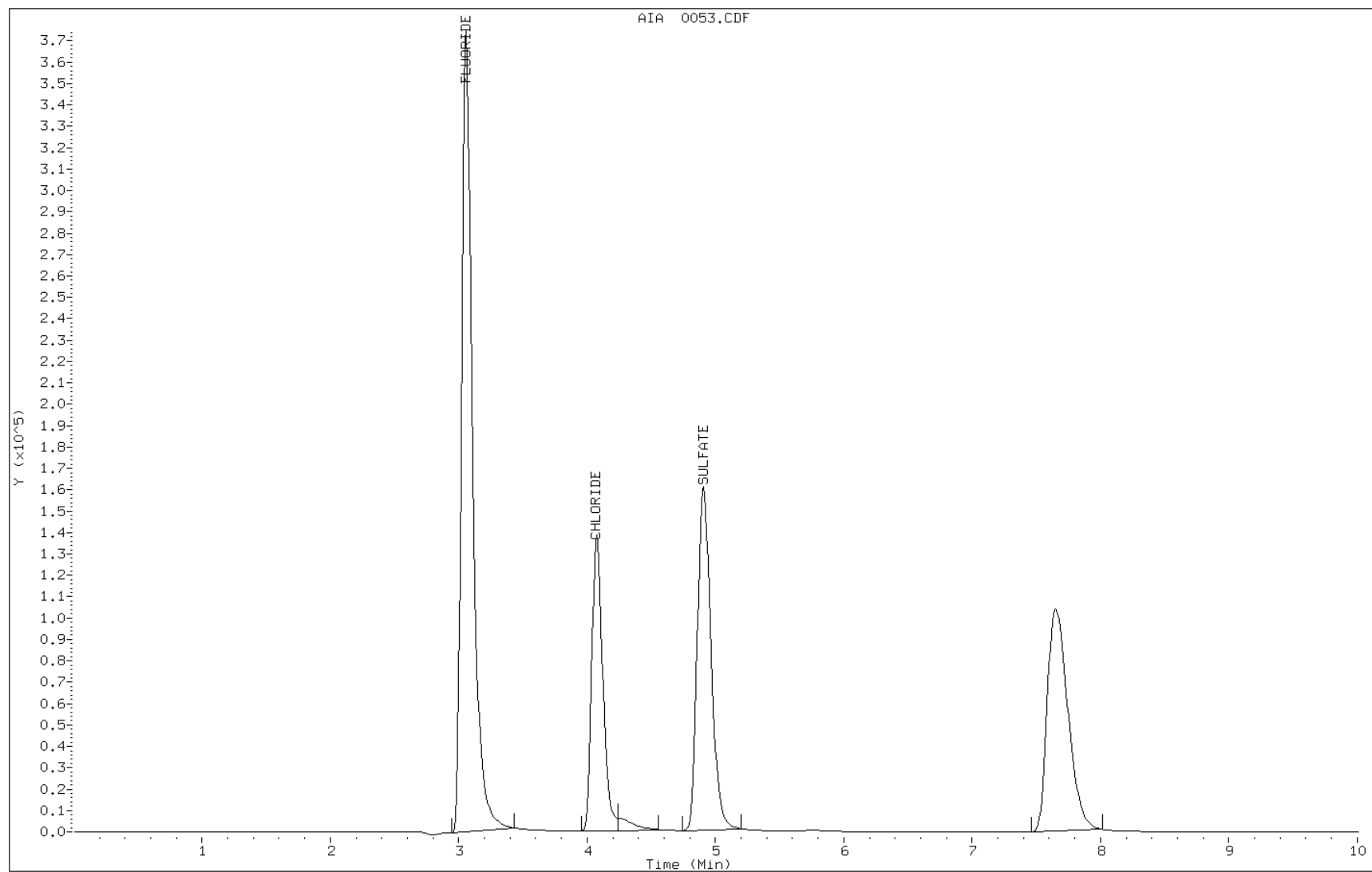
Date: 02-OCT-2010 21:11

Client ID: ISCO-MW3

Instrument: LCGIC.i

Sample Info: 200-1636-G-3~2G100210

Operator: CB



Data File: 0054.d

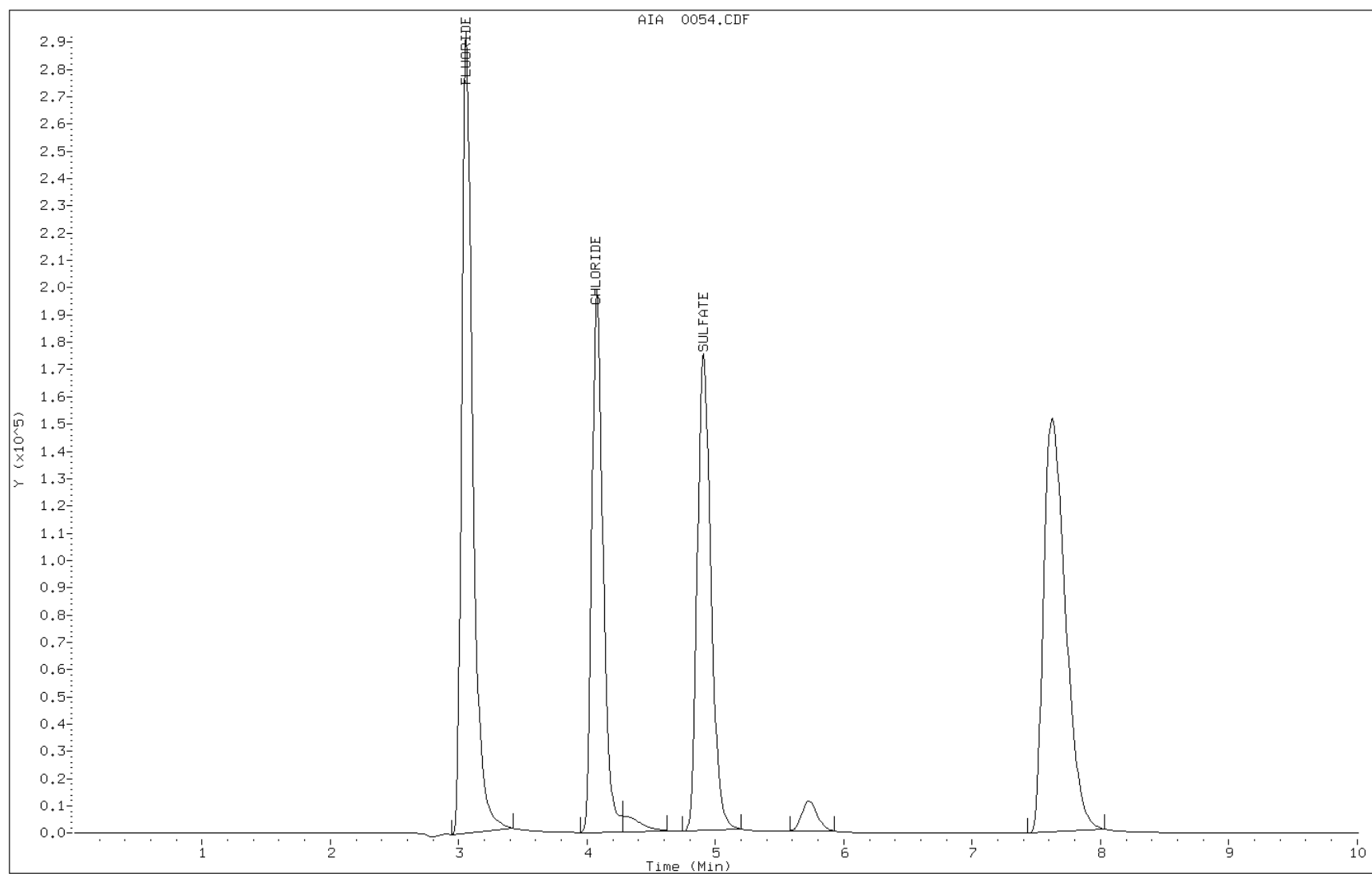
Date: 02-OCT-2010 21:23

Client ID: ISCO-MW4

Instrument: LCGIC.i

Sample Info: 200-1636-G-4~2G100210

Operator: CB



Data File: 0055.d

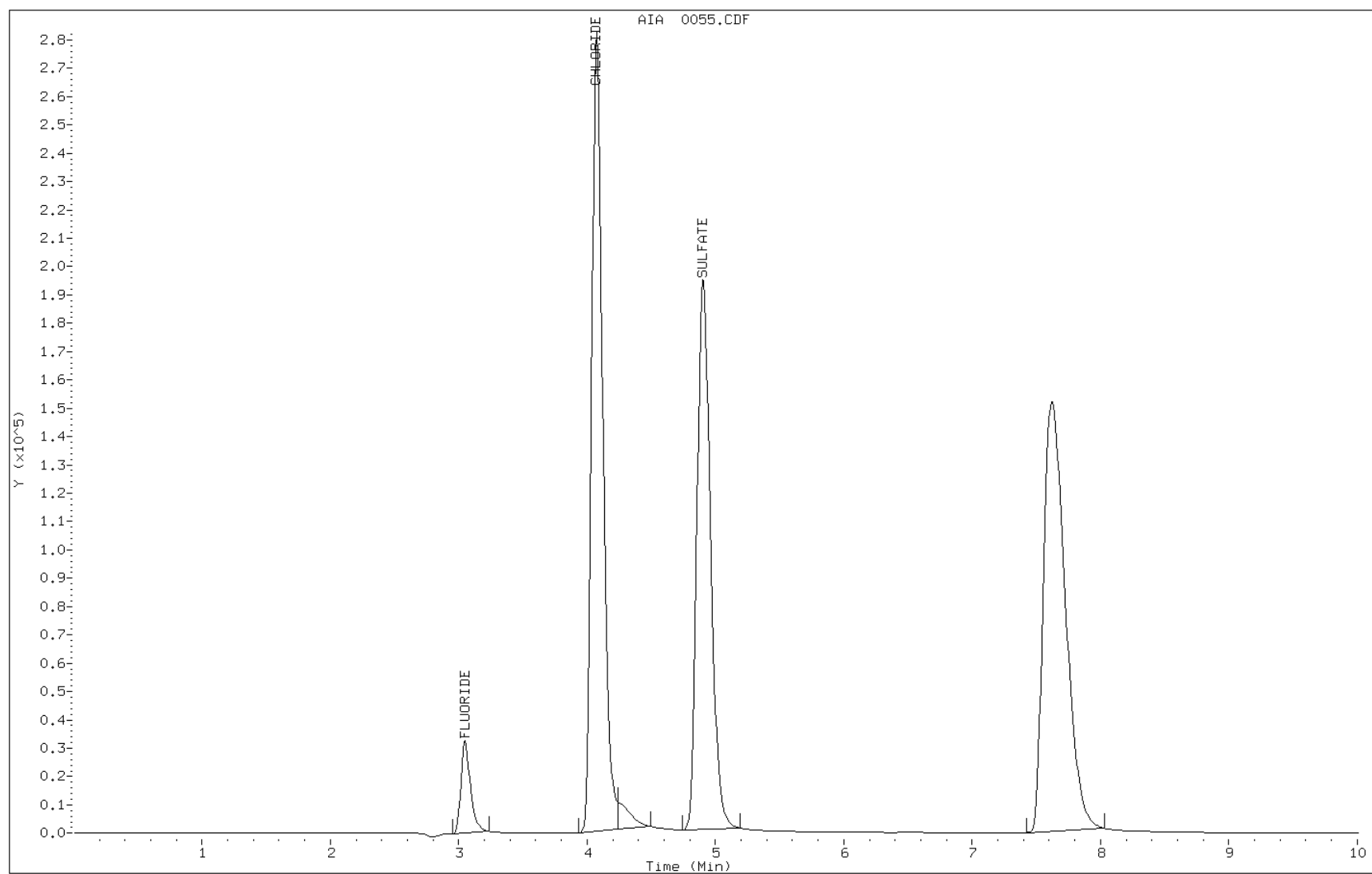
Date: 02-OCT-2010 21:36

Client ID: ISCO-MW5

Instrument: LCGIC.i

Sample Info: 200-1636-G-5~2G100210

Operator: CB



Data File: 0056.d

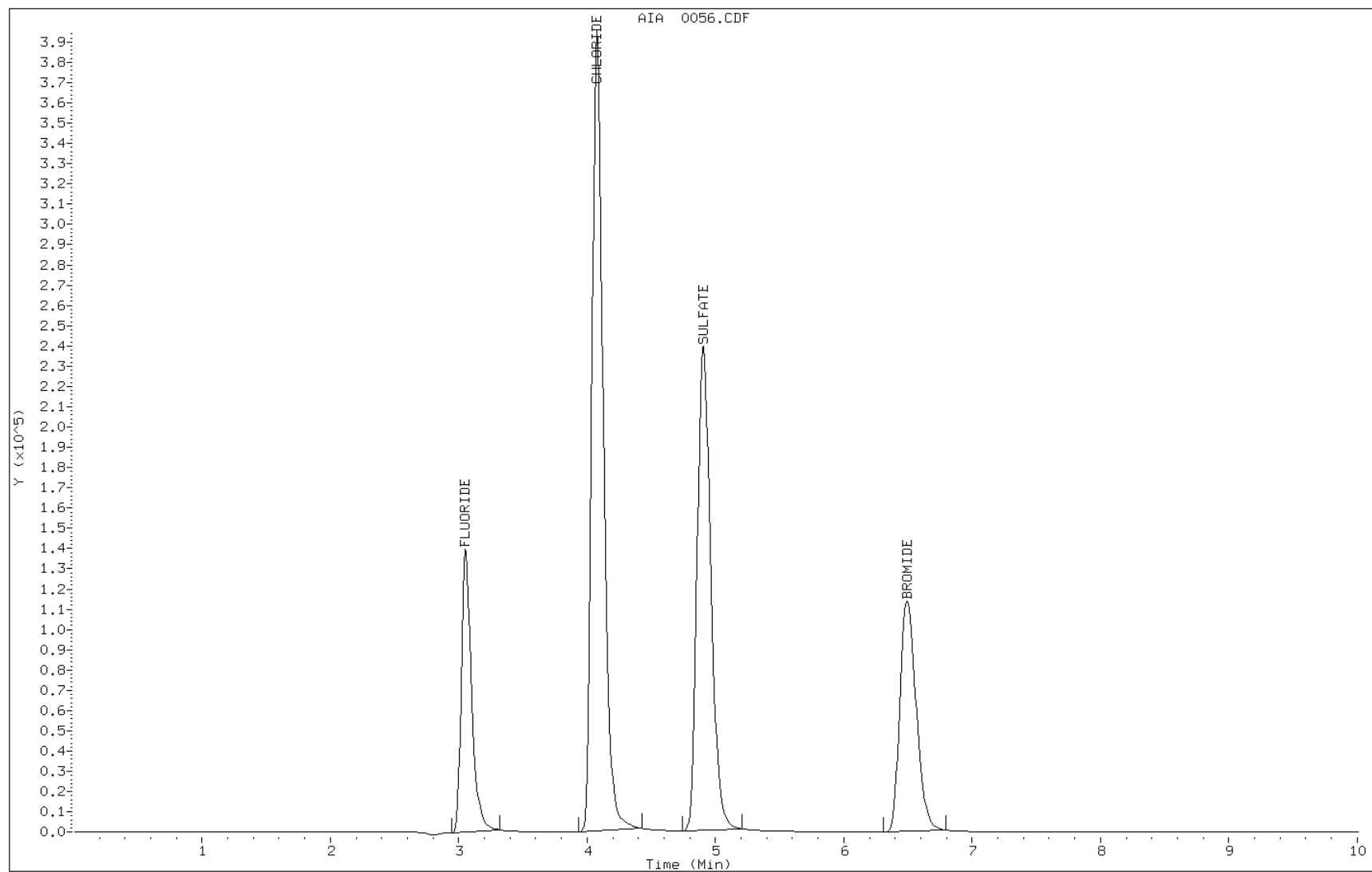
Date: 02-OCT-2010 21:48

Client ID: ANION-4

Instrument: LCGIC.i

Sample Info: ANION-4~2G100210

Operator: CB



Data File: 0057.d

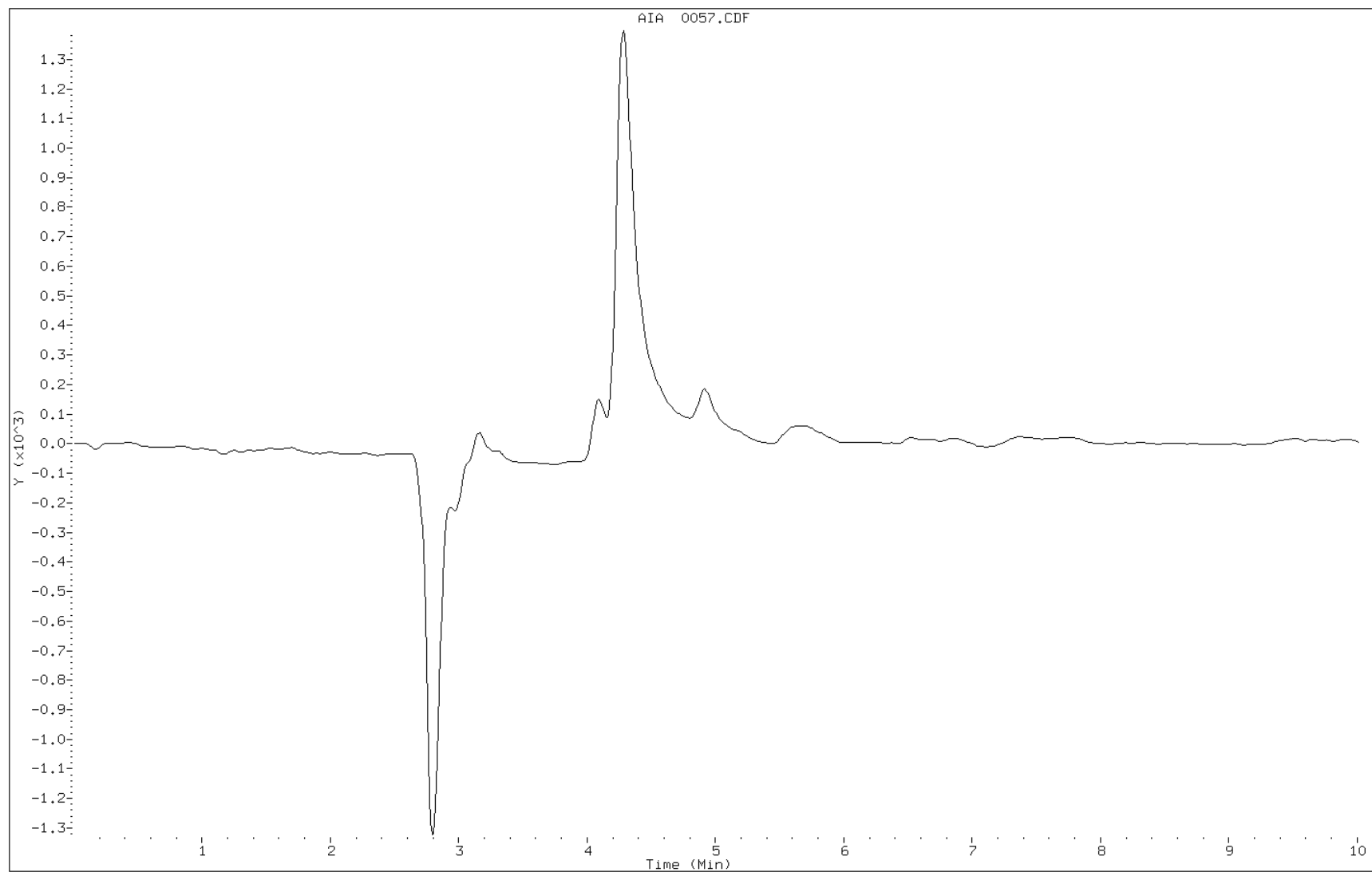
Date: 02-OCT-2010 22:01

Client ID: CCB

Instrument: LCGIC.i

Sample Info: CCB~2G100210

Operator: CB



PC-TitratIOn PLUS
Historical Data Report

Run Number		3333	Order Number		20100927-2													
SampleID	RunDate	RunTime	cond (uS)	pH	palk-ppm	talk-ppm	bcarb ppm	carb ppm	hydr ppm	F-ppm	Acid	Salin	Rest	Temp	FCO2	Vol of H2SO4 (8.3)	Vol of H2SO4 (4.5)	Vol of H2SO4 (4.2)
tap h2o	9/27/2010	6:51 PM	3.20	7.89	.00	93.13	92.41	.68	.04	-1.00	-1.00	.00	.31	22.87	2.36	0.000	2.328	2.379
di	9/27/2010	6:57 PM	.13	5.62	.00	.16	.16	.00	.00	-1.00	-1.00	.00	7.69	23.07	.79	0.000	0.039	0.073
ph icv	9/27/2010	7:07 PM	-1.00	7.00	-1.00	-1.00	-1.00	.00	.00	-1.00	-1.00	-1.00	-1.00	22.74	-.20	-1.000	-1.000	-1.000
di	9/27/2010	7:13 PM	.45	6.15	.00	.82	.82	.00	.00	-1.00	-1.00	.00	2.22	22.81	1.15	0.000	0.055	0.090
mb	9/27/2010	7:19 PM	.23	5.69	.00	.18	.18	.00	.00	-1.00	-1.00	.00	4.35	22.89	.75	0.000	0.037	0.070
lcs	9/27/2010	7:29 PM	728.00	9.10	394.03	575.27	513.51	61.12	.63	-1.00	-1.00	.42	.00	22.74	.81	9.851	14.382	14.465
680-61501-F-1	9/27/2010	7:36 PM	217.00	7.93	.00	140.73	139.57	1.11	.04	-1.00	-1.00	.12	.00	22.72	3.30	0.000	3.518	3.581
680-61501-G-2	9/27/2010	7:43 PM	342.00	7.39	.00	195.22	194.76	.45	.01	-1.00	-1.00	.19	.00	22.63	15.96	0.000	4.880	4.981
200-1636-F-1	9/27/2010	7:49 PM	53.00	6.28	.00	22.02	22.01	.00	.00	-1.00	-1.00	.03	.02	22.61	22.93	0.000	0.550	0.586
200-1636-G-2	9/27/2010	7:55 PM	168.10	6.55	.00	57.83	57.81	.02	.00	-1.00	-1.00	.09	.01	22.55	32.32	0.000	1.446	1.511
200-1636-F-3	9/27/2010	8:00 PM	131.00	6.24	.00	32.29	32.29	.01	.00	-1.00	-1.00	.07	.01	22.51	37.40	0.000	0.807	0.854
200-1636-F-4	9/27/2010	8:05 PM	13.10	6.20	.00	27.58	27.57	.00	.00	-1.00	-1.00	.01	.08	22.67	35.11	0.000	0.689	0.729
200-1636-F-5	9/27/2010	8:11 PM	95.20	6.41	.00	38.91	38.90	.01	.00	-1.00	-1.00	.05	.01	22.64	30.10	0.000	0.973	1.017
200-1636-F-5	9/27/2010	8:17 PM	56.10	6.45	.00	38.78	38.77	.01	.00	-1.00	-1.00	.03	.02	22.60	27.54	0.000	0.970	1.014
CCVPH	9/27/2010	8:20 PM	-1.00	7.03	-1.00	-1.00	-1.00	.00	.01	-1.00	-1.00	-1.00	-1.00	22.51	-.19	-1.000	-1.000	-1.000
680-61498-F-1	9/27/2010	8:27 PM	50.40	8.03	.00	71.69	70.92	.72	.05	-1.00	-1.00	.03	.02	22.48	1.32	0.000	1.792	1.850
680-61541-G-1	9/27/2010	8:30 PM	1,131.00	3.85	.00	.00	.00	.00	.00	-1.00	-1.00	.66	.00	22.45	.00	0.000	0.000	0.000
680-61541-G-3	9/27/2010	8:36 PM	67.60	6.46	.00	107.52	107.48	.03	.00	-1.00	-1.00	.04	.01	22.40	73.88	0.000	2.688	2.761
680-61541-G-4	9/27/2010	8:42 PM	91.30	6.21	.00	66.94	66.93	.01	.00	-1.00	-1.00	.05	.01	22.42	83.35	0.000	1.674	1.740
680-61541-G-5	9/27/2010	8:47 PM	425.00	4.51	.00	-2.96	-2.96	.00	.00	-1.00	-1.00	.24	.00	22.42	-183.98	0.000	0.012	0.098
680-61541-G-6	9/27/2010	8:53 PM	42.90	6.99	.00	153.82	153.68	.14	.00	-1.00	-1.00	.02	.02	22.52	31.28	0.000	3.846	3.912
680-61541-G-7	9/27/2010	8:59 PM	26.50	5.71	.00	16.63	16.62	.00	.00	-1.00	-1.00	.01	.04	22.52	65.31	0.000	0.469	0.522
680-61541-G-8	9/27/2010	9:05 PM	39.60	6.78	.00	153.19	153.10	.09	.00	-1.00	-1.00	.02	.03	22.42	50.31	0.000	3.830	3.901
680-61549-D-1	9/27/2010	9:12 PM	289.00	7.93	.00	81.36	80.68	.64	.04	-1.00	-1.00	.16	.00	22.40	1.91	0.000	2.034	2.090
680-61549-D-1	9/27/2010	9:20 PM	202.00	7.95	.00	81.06	80.34	.68	.04	-1.00	-1.00	.11	.00	22.39	1.80	0.000	2.027	2.077
CCVPH	9/27/2010	9:23 PM	-1.00	7.02	-1.00	-1.00	-1.00	.00	.01	-1.00	-1.00	-1.00	-1.00	22.32	-.19	-1.000	-1.000	-1.000
680-61549-D-2	9/27/2010	9:30 PM	134.40	7.94	.00	76.59	75.92	.62	.04	-1.00	-1.00	.07	.01	22.26	1.74	0.000	1.915	1.967

Run Number		3333		Order Number		20100927-2											Vol of	Vol of	Vol of
SampleID	RunDate	RunTime	cond (uS)	pH	palk-ppm	talk-ppm	bcarb ppm	carb ppm	hydr ppm	F-ppm	Acid	Salin	Rest	Temp	FCO2		H2SO4 (8.3)	H2SO4 (4.5)	H2SO4 (4.2)
680-61564-A-2	9/27/2010	9:35 PM	117.70	7.49	.00	16.79	16.73	.05	.02	-1.00	-1.00	.06	.01	22.31	1.07		0.000	0.465	0.509
560-22235-A-1	9/27/2010	9:42 PM	107.90	7.77	.00	30.38	30.18	.17	.03	-1.00	-1.00	.06	.01	22.19	1.03		0.000	0.759	0.804
680-61468-B-2	9/27/2010	9:50 PM	345.00	7.51	.00	329.50	328.48	1.01	.02	-1.00	-1.00	.19	.00	22.34	20.18		0.000	8.238	8.787
ccvph	9/27/2010	9:53 PM	-1.00	7.02	-1.00	-1.00	-1.00	.00	.01	-1.00	-1.00	-1.00	-1.00	22.28	-.19		-1.000	-1.000	-1.000
lcsd	9/27/2010	10:04 PM	407.00	9.08	376.63	557.50	500.43	56.47	.60	-1.00	-1.00	.23	.00	22.19	.83		9.416	13.938	14.016

Method: EPA 160.1 and SM 2540C

Date: 9-23-10

Analyst Initials: *TR*

AD Batch: 180881

Balance ID: 13

[illegible]

After Tare 1 has been recorded, the dishes are placed back in the desiccator. After approximately 1 hour, a single dish is removed and reweighed. If the Tare 2 weight is within 0.5mg of the Tare 1 weight, all dishes are ready to use. If the Tare 2 weight is greater than 0.5mg from Tare 1, all remaining dishes must be re-weighed for verification and recorded above.

Dish ID: AB

Balance ID: 13

Tare 1 (g): 76.751

Tare 2 (g): 76.7753

Pass/Fail: Pass

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Instr.Information

System TOC-VCPNa
Detector Combustion
Catalyst Regular Sensitivity
Cell Length long

Sample

Sample Name: ccv
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

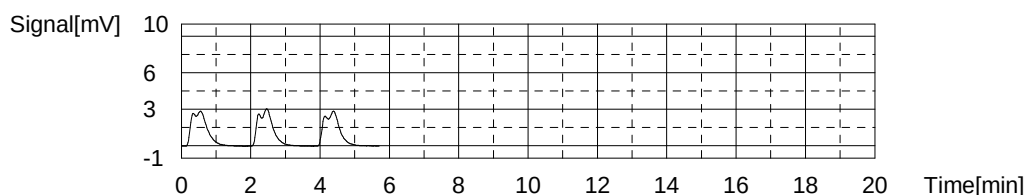
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.913mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.684	4.893mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 7:20:55 AM
2	8.841	4.986mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 7:22:59 AM
3	8.627	4.859mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 7:25:02 AM

Mean Area 8.717
Mean Conc. 4.913mg/L



Sample

Sample Name: ccb
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

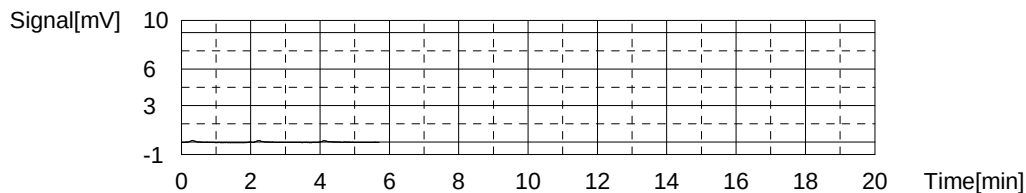
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.1695mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1331	-0.1712mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 7:35:17 AM
2	0.1476	-0.1626mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 7:37:20 AM
3	0.1272	-0.1747mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 7:39:23 AM

Mean Area 0.1360
Mean Conc. -0.1695mg/L



Sample

Sample Name: BICARB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

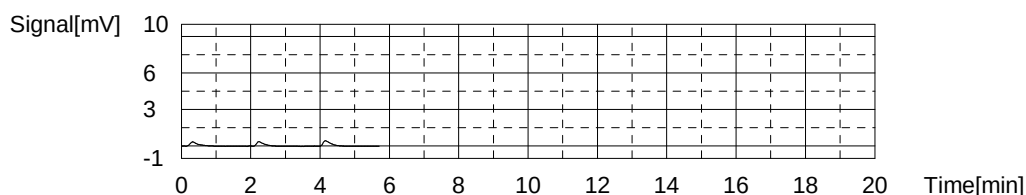
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1039mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5331	0.06574mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 7:49:39 AM
2	0.5647	0.08445mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 7:51:42 AM
3	0.6950	0.1616mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 7:53:46 AM

Mean Area 0.5976
Mean Conc. 0.1039mg/L



Sample

Sample Name: MB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

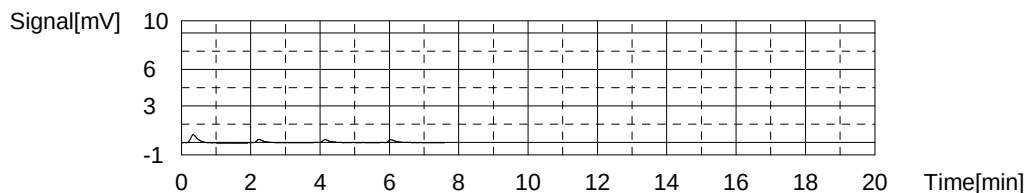
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.06855mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8929	0.2788mg/L	50uL	1	E	cal10.2010_09_22_10_25_47.cal	9/27/2010 8:04:01 AM
2	0.3306	-0.05419mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 8:06:04 AM
3	0.2840	-0.08179mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 8:08:07 AM
4	0.3045	-0.06965mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 8:10:10 AM

Mean Area 0.3064
Mean Conc. -0.06855mg/L



Sample

Sample Name: LCS
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

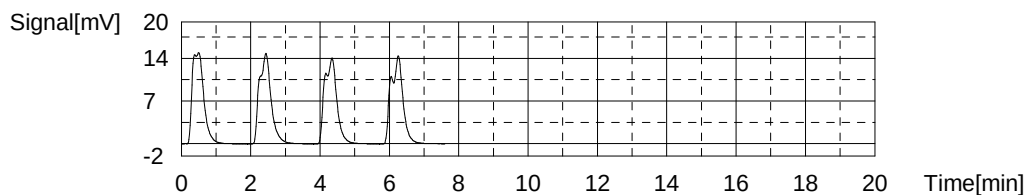
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.50mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.68	20.29mg/L	50uL	1	R	cal10.2010_09_22_10_25_47.cal	9/27/2010 8:20:24 AM
2	34.73	19.65mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 8:22:27 AM
3	34.26	19.38mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 8:24:31 AM
4	34.39	19.46mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 8:26:34 AM

Mean Area 34.46
Mean Conc. 19.50mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

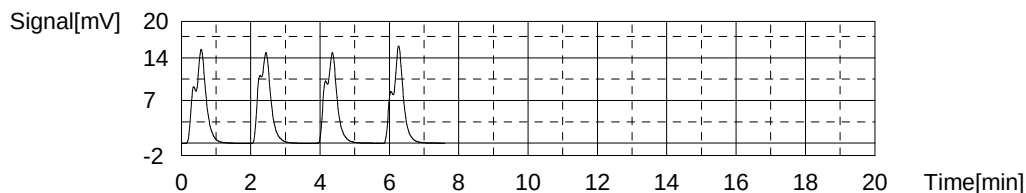
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.53mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.10	20.54mg/L	50uL	1	R	cal10.2010_09_22_10_25_47.cal	9/27/2010 8:36:48 AM
2	34.82	19.70mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 8:38:51 AM
3	34.25	19.38mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 8:40:54 AM
4	34.47	19.50mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 8:42:57 AM

Mean Area 34.51
Mean Conc. 19.53mg/L



Sample

Sample Name: 680-61457-I-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

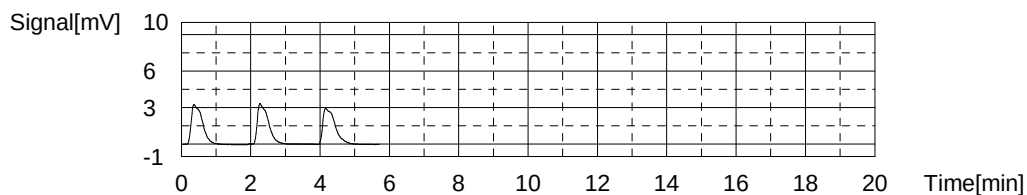
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.998mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.189	4.008mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 8:53:12 AM
2	7.194	4.011mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 8:55:15 AM
3	7.136	3.976mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 8:57:19 AM

Mean Area 7.173
Mean Conc. 3.998mg/L



Sample

Sample Name: 680-61457-I-1MS
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

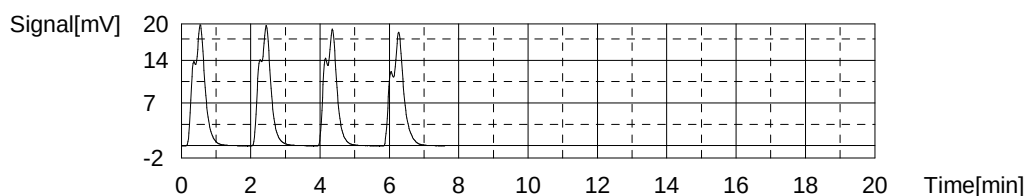
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.54mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	44.90	26.34mg/L	50uL	1	R	cal10.2010_09_22_10_25_47.cal	9/27/2010 9:07:34 AM
2	45.12	25.60mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 9:09:37 AM
3	44.69	25.36mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 9:11:40 AM
4	45.23	25.66mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 9:13:43 AM

Mean Area 45.01
Mean Conc. 25.54mg/L



Sample

Sample Name: 680-61457-I-1MSD
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

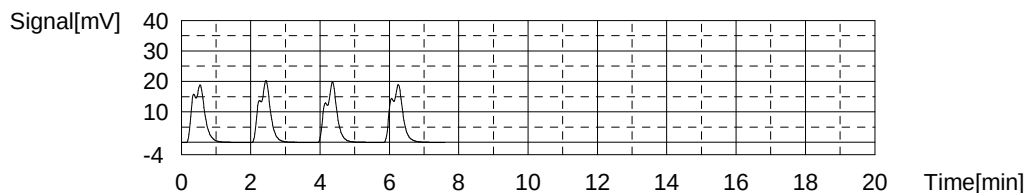
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.34mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	45.70	26.82mg/L	50uL	1	R	cal10.2010_09_22_10_25_47.cal	9/27/2010 9:23:57 AM
2	45.06	25.57mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 9:26:00 AM
3	44.36	25.17mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 9:28:03 AM
4	44.58	25.29mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 9:30:06 AM

Mean Area 44.67
Mean Conc. 25.34mg/L



Sample

Sample Name: 680-61463-n-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

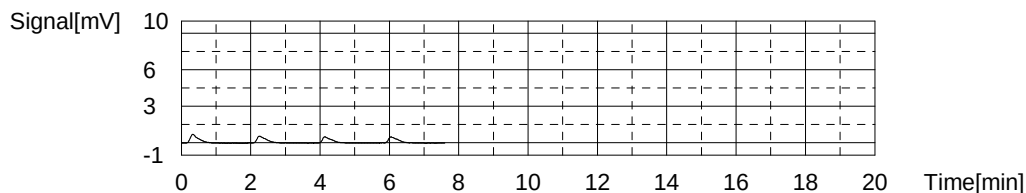
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2888mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.165	0.4400mg/L	50uL	1	E	cal10.2010_09_22_10_25_47.cal	9/27/2010 9:40:21 AM
2	0.9934	0.3383mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 9:42:25 AM
3	0.8723	0.2666mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 9:44:28 AM
4	0.8635	0.2614mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 9:46:31 AM

Mean Area 0.9097
Mean Conc. 0.2888mg/L



Sample

Sample Name: 680-61463-n-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

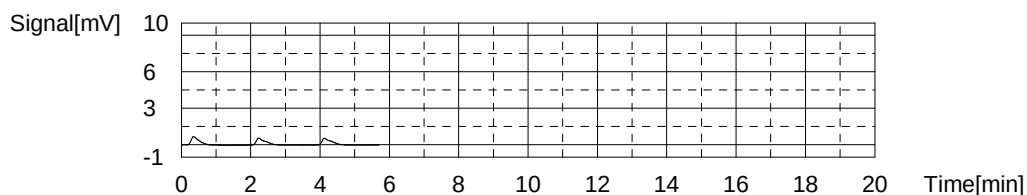
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3547mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.073	0.3855mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 9:56:47 AM
2	0.9910	0.3369mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 9:58:50 AM
3	0.9992	0.3418mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 10:00:53 AM

Mean Area 1.021
Mean Conc. 0.3547mg/L



Sample

Sample Name: 680-61463-n-3
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

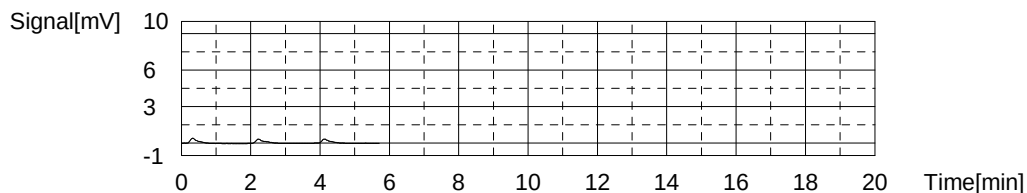
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.08656mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5890	0.09884mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 10:11:07 AM
2	0.5733	0.08954mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 10:13:11 AM
3	0.5425	0.07130mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 10:15:14 AM

Mean Area 0.5683
Mean Conc. 0.08656mg/L



Sample

Sample Name: 680-61519-c-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

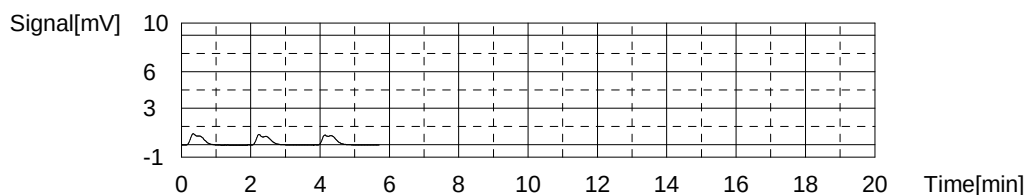
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9880mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.171	1.036mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 10:25:30 AM
2	2.065	0.9730mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 10:27:33 AM
3	2.035	0.9552mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 10:29:36 AM

Mean Area 2.090
Mean Conc. 0.9880mg/L



Sample

Sample Name: CCV
Sample ID: TOC415.1A.met
Origin: Completed
Status: Completed
Chk. Result

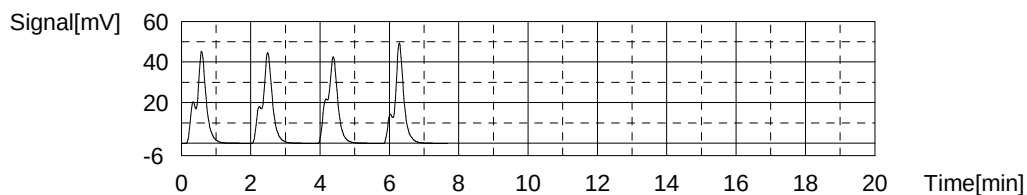
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:52.10mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	92.30	54.41mg/L	50uL	1	R	cal10.2010_09_22_10_25_47.cal	9/27/2010 10:39:51 AM
2	91.82	52.34mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 10:41:54 AM
3	91.15	51.95mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 10:43:58 AM
4	91.23	52.00mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 10:46:06 AM

Mean Area 91.40
Mean Conc. 52.10mg/L



Sample

Sample Name: CCB
Sample ID: TOC415.1A.met
Origin: Completed
Status: Completed
Chk. Result

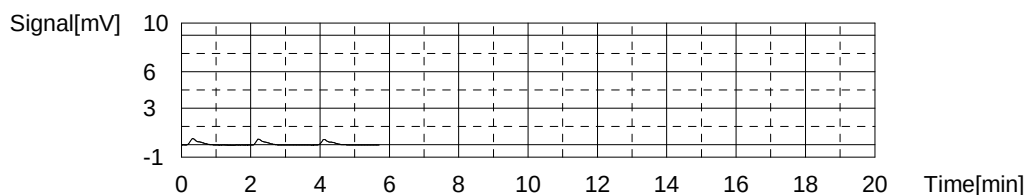
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2597mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9405	0.3070mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 10:56:21 AM
2	0.8196	0.2354mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 10:58:24 AM
3	0.8216	0.2366mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 11:00:27 AM

Mean Area 0.8606
Mean Conc. 0.2597mg/L



Sample

Sample Name: 680-61520-c-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

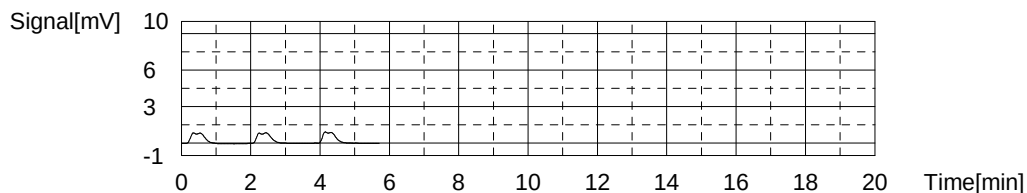
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.090mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.282	1.102mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 11:10:42 AM
2	2.293	1.108mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 11:12:45 AM
3	2.215	1.062mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 11:14:49 AM

Mean Area 2.263
Mean Conc. 1.090mg/L



Sample

Sample Name: 680-61521-c-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

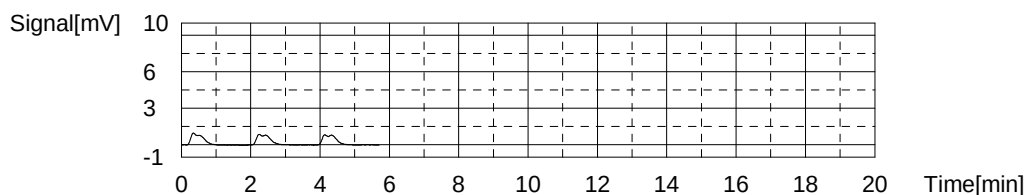
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.051mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.251	1.083mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 11:25:05 AM
2	2.191	1.048mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 11:27:09 AM
3	2.150	1.023mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 11:29:12 AM

Mean Area 2.197
Mean Conc. 1.051mg/L



Sample

Sample Name: 200-1548-q-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

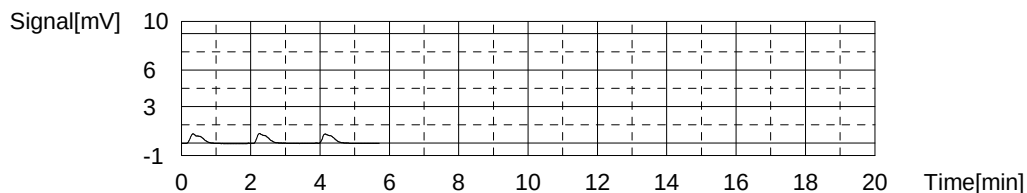
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7175mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.691	0.7515mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 11:39:27 AM
2	1.632	0.7166mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 11:41:30 AM
3	1.578	0.6846mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 11:43:33 AM

Mean Area 1.634
Mean Conc. 0.7175mg/L



Sample

Sample Name: 200-1548-j-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

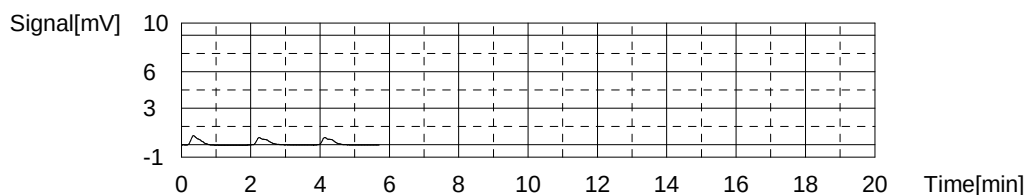
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5197mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.361	0.5561mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 11:53:48 AM
2	1.286	0.5116mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 11:55:52 AM
3	1.252	0.4915mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 11:57:55 AM

Mean Area 1.300
Mean Conc. 0.5197mg/L



Sample

Sample Name: 200-1548-j-3
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

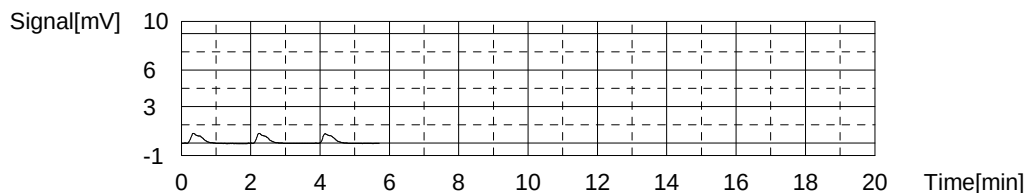
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6970mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.683	0.7468mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 12:08:12 PM
2	1.543	0.6638mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 12:10:15 PM
3	1.571	0.6804mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 12:12:18 PM

Mean Area 1.599
Mean Conc. 0.6970mg/L



Sample

Sample Name: 200-1548-j-5
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

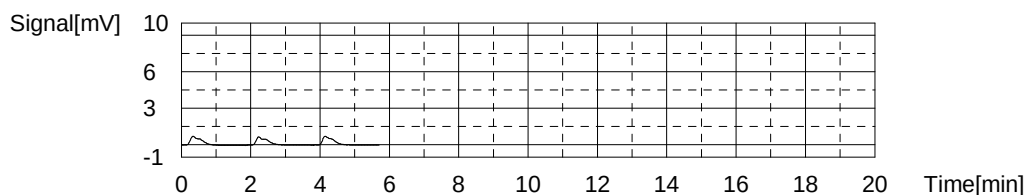
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5861mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.483	0.6283mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 12:22:33 PM
2	1.320	0.5318mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 12:24:36 PM
3	1.432	0.5981mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 12:26:40 PM

Mean Area 1.412
Mean Conc. 0.5861mg/L



Sample

Sample Name: 200-1636-e-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

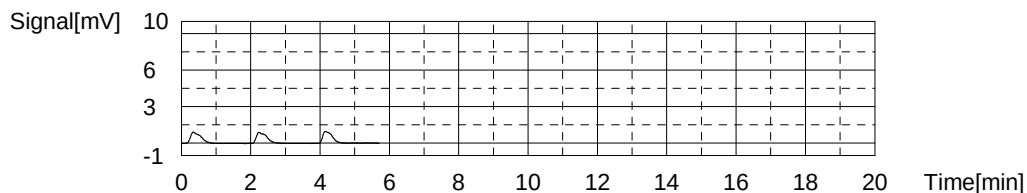
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8307mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.840	0.8397mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 12:36:55 PM
2	1.831	0.8344mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 12:38:58 PM
3	1.803	0.8178mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 12:41:01 PM

Mean Area 1.825
Mean Conc. 0.8307mg/L



Sample

Sample Name: 200-1636-e-1DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

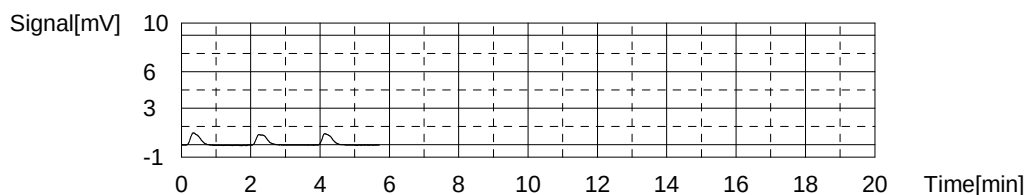
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8222mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.857	0.8498mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 12:51:17 PM
2	1.798	0.8149mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 12:53:20 PM
3	1.776	0.8018mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 12:55:24 PM

Mean Area 1.810
Mean Conc. 0.8222mg/L



Sample

Sample Name: 200-1636-e-2 1/5
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

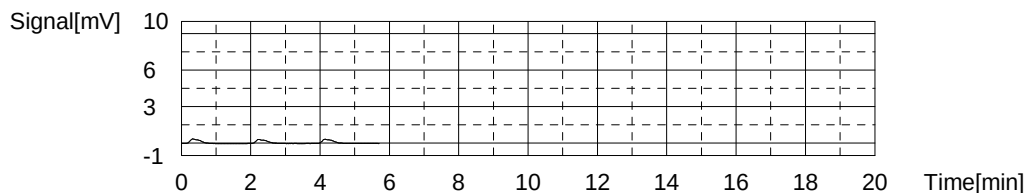
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1517mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6952	0.1617mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 1:05:39 PM
2	0.6382	0.1280mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 1:07:43 PM
3	0.7014	0.1654mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 1:09:46 PM

Mean Area 0.6783
Mean Conc. 0.1517mg/L



Sample

Sample Name: 200-1636-e-3
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

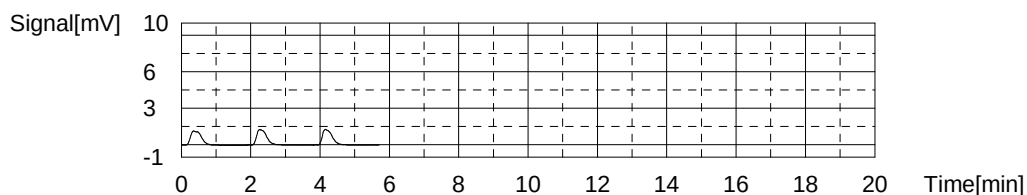
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.183mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.389	1.165mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 1:20:02 PM
2	2.466	1.210mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 1:22:05 PM
3	2.403	1.173mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 1:24:09 PM

Mean Area 2.419
Mean Conc. 1.183mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

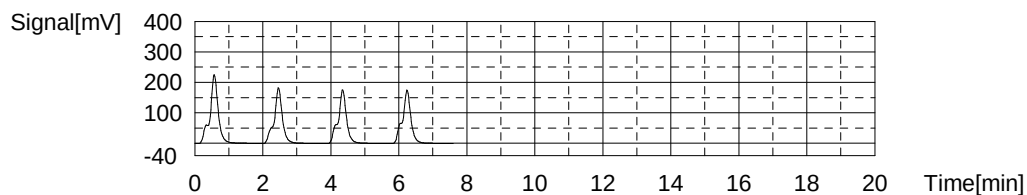
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:209.3mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	378.9	224.2mg/L	50uL	1	R	cal10.2010_09_22_10_25_47.cal	9/27/2010 1:34:25 PM
2	303.5	211.3mg/L	40uL	1		cal500a.2010_09_15_22_30_34.cal	9/27/2010 1:36:29 PM
3	298.9	208.1mg/L	40uL	1		cal500a.2010_09_15_22_30_34.cal	9/27/2010 1:38:32 PM
4	299.6	208.6mg/L	40uL	1		cal500a.2010_09_15_22_30_34.cal	9/27/2010 1:40:35 PM

Mean Area 300.7
Mean Conc. 209.3mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

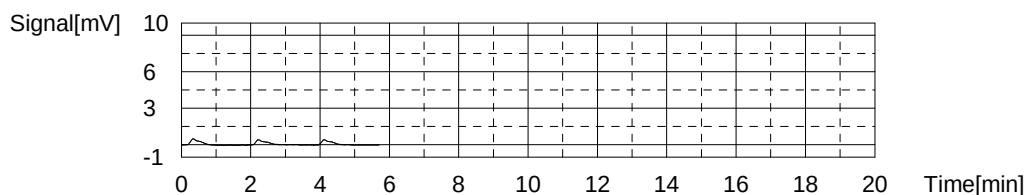
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2573mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9474	0.3111mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 1:55:19 PM
2	0.8106	0.2301mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 1:57:22 PM
3	0.8117	0.2307mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 1:59:26 PM

Mean Area 0.8566
Mean Conc. 0.2573mg/L



Sample

Sample Name: 200-1636-e-4
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

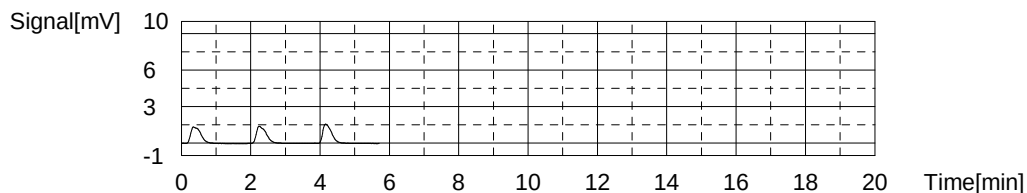
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.315mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.562	1.267mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 2:09:42 PM
2	2.675	1.334mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 2:11:46 PM
3	2.689	1.343mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 2:13:49 PM

Mean Area 2.642
Mean Conc. 1.315mg/L



Sample

Sample Name: 200-1636-e-5
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

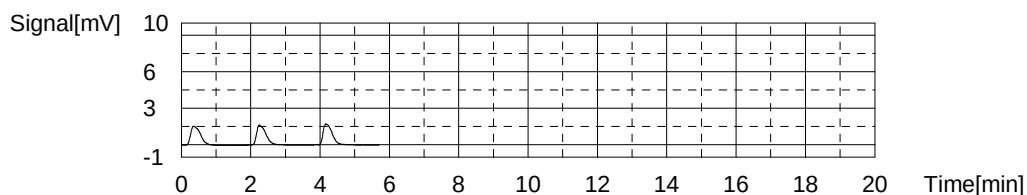
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.512mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.966	1.507mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 2:24:05 PM
2	2.941	1.492mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 2:26:08 PM
3	3.017	1.537mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 2:28:12 PM

Mean Area 2.975
Mean Conc. 1.512mg/L



Sample

Sample Name: 200-1622-I-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

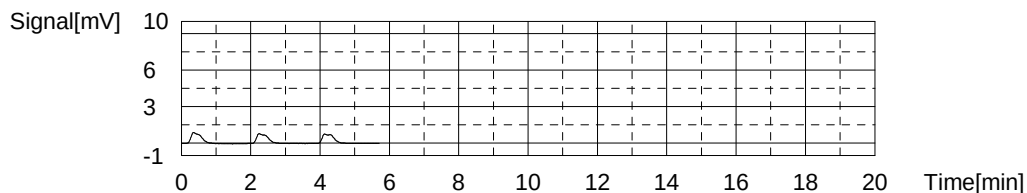
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7580mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.748	0.7853mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 2:38:27 PM
2	1.680	0.7450mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 2:40:31 PM
3	1.678	0.7438mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 2:42:34 PM

Mean Area 1.702
Mean Conc. 0.7580mg/L



Sample

Sample Name: 200-1622-I-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

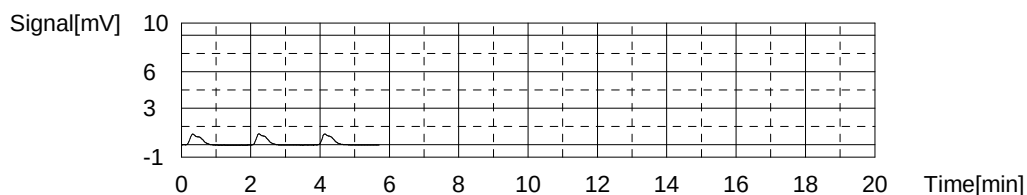
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8384mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.853	0.8474mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 2:52:51 PM
2	1.860	0.8516mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 2:54:54 PM
3	1.800	0.8160mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 2:56:57 PM

Mean Area 1.838
Mean Conc. 0.8384mg/L



Sample

Sample Name: 200-1622-I-3
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

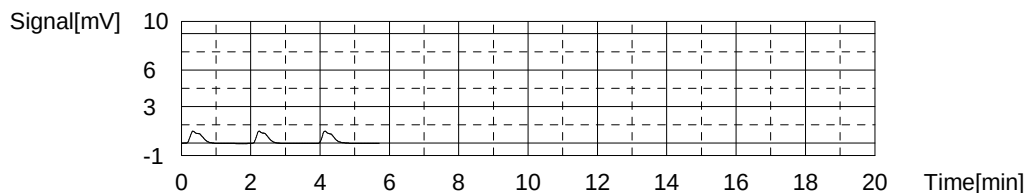
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9994mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.147	1.022mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 3:07:14 PM
2	2.107	0.9979mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 3:09:17 PM
3	2.075	0.9789mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 3:11:21 PM

Mean Area 2.110
Mean Conc. 0.9994mg/L



Sample

Sample Name: 200-1622-I-5
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

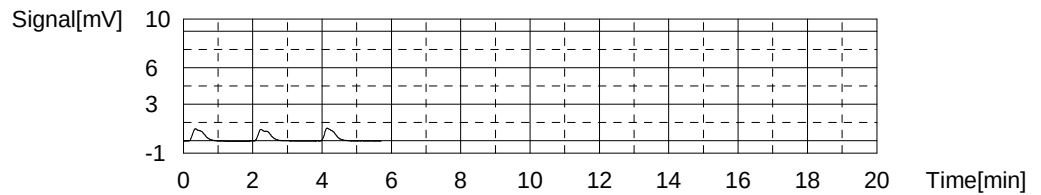
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9983mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.174	1.038mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 3:21:38 PM
2	2.053	0.9659mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 3:23:42 PM
3	2.096	0.9914mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 3:25:45 PM

Mean Area 2.108
Mean Conc. 0.9983mg/L



Sample

Sample Name: MB B
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

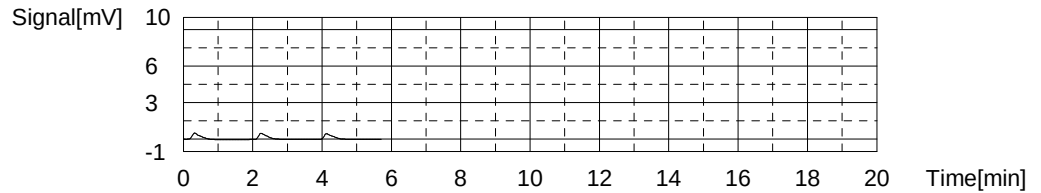
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2337mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8475	0.2519mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 3:36:02 PM
2	0.8269	0.2397mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 3:38:05 PM
3	0.7757	0.2094mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 3:40:09 PM

Mean Area 0.8167
Mean Conc. 0.2337mg/L



Sample

Sample Name: LCS
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

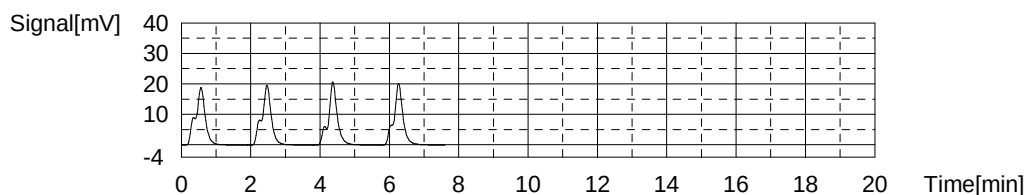
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.66mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.93	21.62mg/L	50uL	1	R	cal10.2010_09_22_10_25_47.cal	9/27/2010 3:50:26 PM
2	36.79	20.83mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 3:52:30 PM
3	36.35	20.58mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 3:54:33 PM
4	36.30	20.55mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 3:56:37 PM

Mean Area 36.48
Mean Conc. 20.66mg/L



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

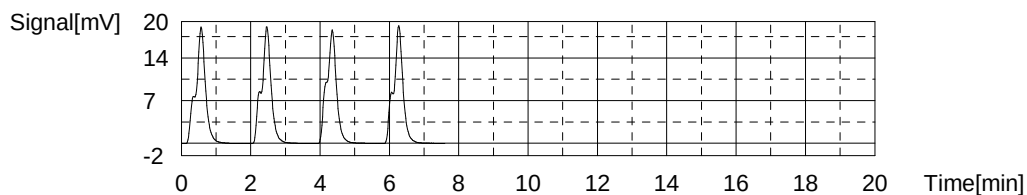
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.65mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.16	21.76mg/L	50uL	1	R	cal10.2010.09.22.10.25.47.cal	9/27/2010 4:06:51 PM
2	36.78	20.83mg/L	50uL	1		cal100a.2010.09.15.21.50.26.cal	9/27/2010 4:08:54 PM
3	36.36	20.59mg/L	50uL	1		cal100a.2010.09.15.21.50.26.cal	9/27/2010 4:10:58 PM
4	36.29	20.55mg/L	50uL	1		cal100a.2010.09.15.21.50.26.cal	9/27/2010 4:13:01 PM

Mean Area 36.48
Mean Conc. 20.65mg/L



Sample

Sample Name: 200-1622-I-6
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

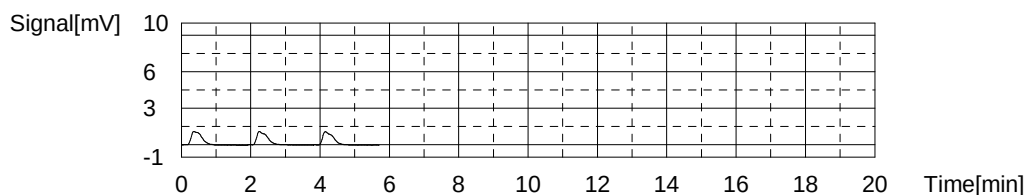
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.056mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.240	1.077mg/L	50uL	1		cal10.2010.09.22.10.25.47.cal	9/27/2010 4:23:17 PM
2	2.187	1.045mg/L	50uL	1		cal10.2010.09.22.10.25.47.cal	9/27/2010 4:25:21 PM
3	2.187	1.045mg/L	50uL	1		cal10.2010.09.22.10.25.47.cal	9/27/2010 4:27:24 PM

Mean Area 2.205
Mean Conc. 1.056mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

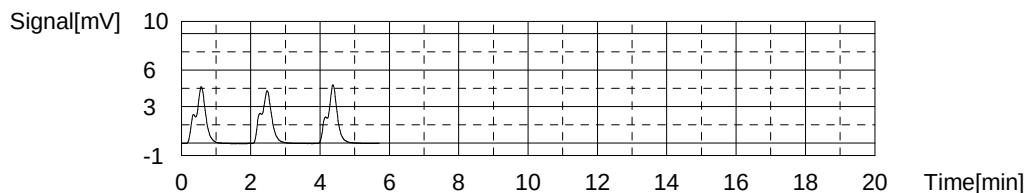
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.292mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.540	5.400mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 4:37:41 PM
2	9.228	5.215mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 4:39:44 PM
3	9.305	5.261mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 4:41:47 PM

Mean Area 9.358
Mean Conc. 5.292mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

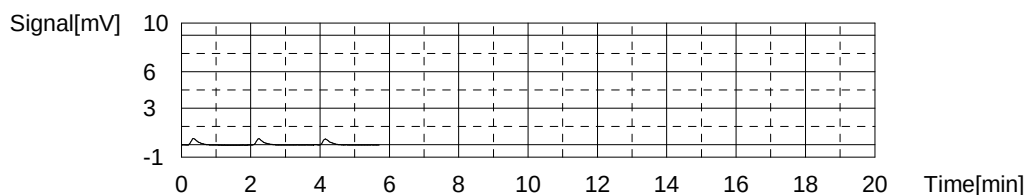
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1564mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7183	0.1754mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 4:52:04 PM
2	0.6899	0.1586mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 4:54:08 PM
3	0.6502	0.1351mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 4:56:11 PM

Mean Area 0.6861
Mean Conc. 0.1564mg/L



Sample

Sample Name: 200-1622-I-7
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

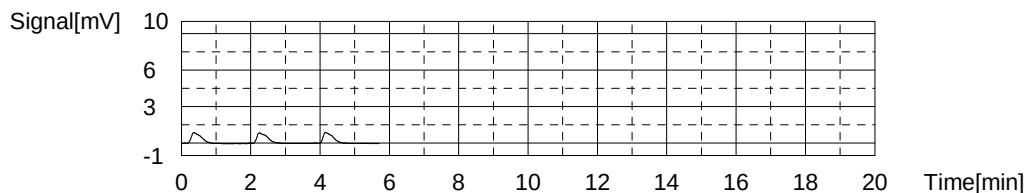
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7535mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.681	0.7456mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 5:06:28 PM
2	1.704	0.7592mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 5:08:31 PM
3	1.698	0.7556mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 5:10:34 PM

Mean Area 1.694
Mean Conc. 0.7535mg/L



Sample

Sample Name: 200-1622-I-8
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

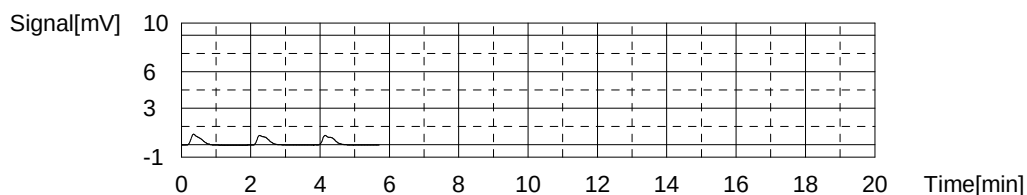
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7278mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.691	0.7515mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 5:20:52 PM
2	1.610	0.7035mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 5:22:55 PM
3	1.652	0.7284mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 5:24:59 PM

Mean Area 1.651
Mean Conc. 0.7278mg/L



Sample

Sample Name: 200-1622-I-10
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

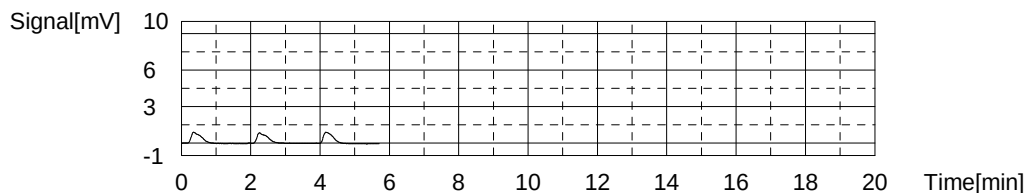
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7837mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.770	0.7983mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 5:35:16 PM
2	1.753	0.7882mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 5:37:20 PM
3	1.713	0.7645mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 5:39:23 PM

Mean Area 1.745
Mean Conc. 0.7837mg/L



Sample

Sample Name: 200-1571-I-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

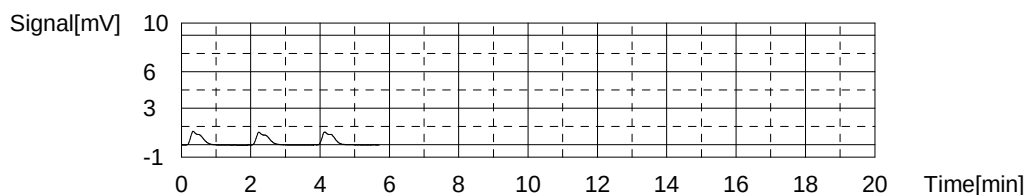
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.134mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.368	1.152mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 5:51:30 PM
2	2.328	1.129mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 5:53:33 PM
3	2.317	1.122mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 5:55:37 PM

Mean Area 2.338
Mean Conc. 1.134mg/L



Sample

Sample Name: 200-1571-I-1MS
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

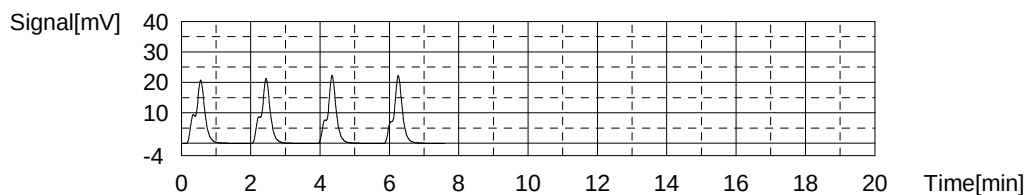
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:22.21mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	40.04	23.46mg/L	50uL	1	R	cal10.2010_09_22_10_25_47.cal	9/27/2010 6:05:54 PM
2	39.47	22.37mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 6:07:58 PM
3	39.05	22.13mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 6:10:01 PM
4	39.07	22.14mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 6:12:04 PM

Mean Area 39.20
Mean Conc. 22.21mg/L



Sample

Sample Name: 200-1571-I-1MSD
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

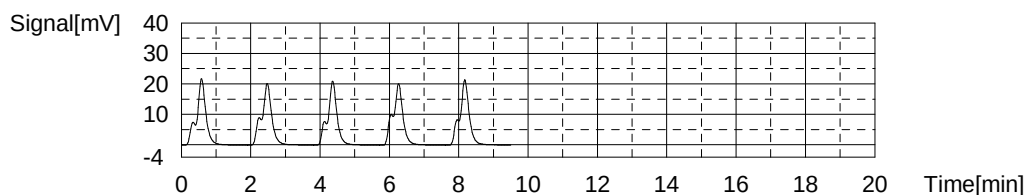
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:22.69mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	40.39	23.67mg/L	50uL	1	R	cal10.2010_09_22_10_25_47.cal	9/27/2010 6:22:19 PM
2	40.20	22.78mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 6:24:22 PM
3	38.60	21.87mg/L	50uL	1	E	cal100a.2010_09_15_21_50_26.cal	9/27/2010 6:26:25 PM
4	39.91	22.62mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 6:28:28 PM
5	39.97	22.65mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 6:30:32 PM

Mean Area 40.03
Mean Conc. 22.69mg/L



Sample

Sample Name: 200-1571-I-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

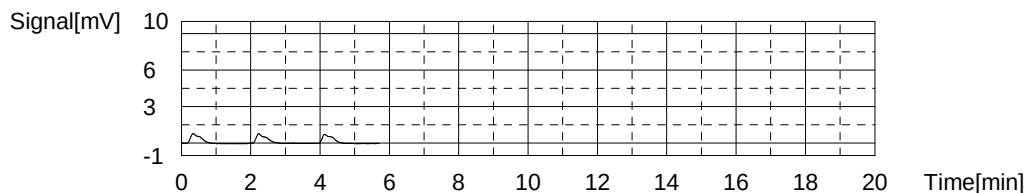
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6688mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.584	0.6881mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 6:40:41 PM
2	1.537	0.6603mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 6:42:44 PM
3	1.533	0.6579mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 6:44:48 PM

Mean Area 1.551
Mean Conc. 0.6688mg/L



Sample

Sample Name: 200-1571-I-3
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

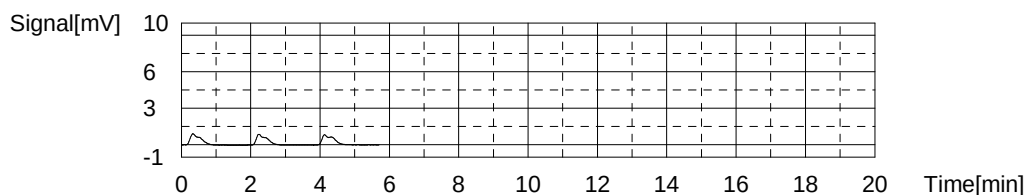
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8358mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.836	0.8374mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 6:55:04 PM
2	1.821	0.8285mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 6:57:07 PM
3	1.843	0.8415mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 6:59:10 PM

Mean Area 1.833
Mean Conc. 0.8358mg/L



Sample

Sample Name: 200-1571-I-5
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

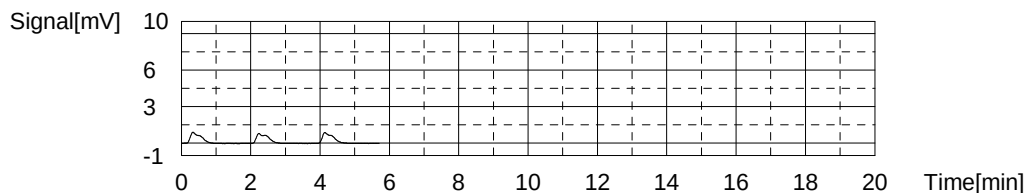
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8362mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.868	0.8563mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 7:09:27 PM
2	1.796	0.8137mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 7:11:30 PM
3	1.838	0.8386mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 7:13:33 PM

Mean Area 1.834
Mean Conc. 0.8362mg/L



Sample

Sample Name: 680-61513-m-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

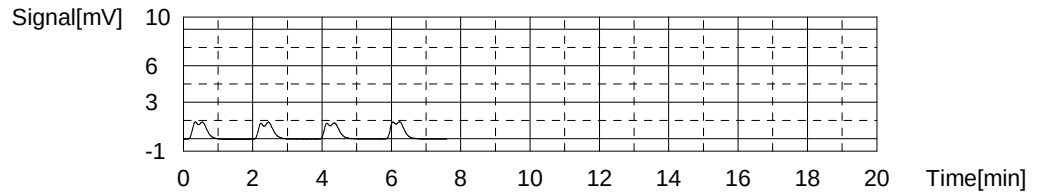
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.872mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.740	1.965mg/L	50uL	1	E	cal10.2010_09_22_10_25_47.cal	9/27/2010 7:23:49 PM
2	3.629	1.899mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 7:25:53 PM
3	3.508	1.828mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 7:27:56 PM
4	3.612	1.889mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 7:29:59 PM

Mean Area 3.583
Mean Conc. 1.872mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

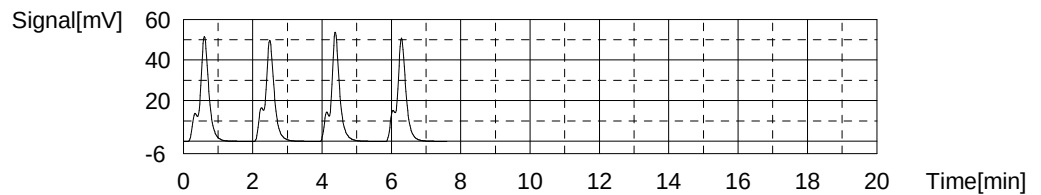
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:53.59mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	95.71	56.43mg/L	50uL	1	R	cal10.2010.09.22.10.25.47.cal	9/27/2010 7:40:15 PM
2	94.07	53.63mg/L	50uL	1		cal100a.2010.09.15.21.50.26.cal	9/27/2010 7:42:18 PM
3	94.11	53.65mg/L	50uL	1		cal100a.2010.09.15.21.50.26.cal	9/27/2010 7:44:21 PM
4	93.82	53.48mg/L	50uL	1		cal100a.2010.09.15.21.50.26.cal	9/27/2010 7:46:25 PM

Mean Area 94.00
Mean Conc. 53.59mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

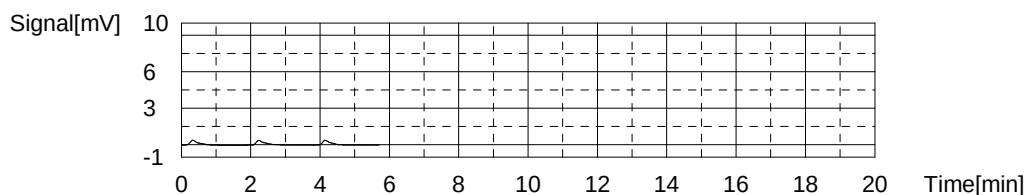
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.09193mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5845	0.09618mg/L	50uL	1		cal10.2010.09.22.10.25.47.cal	9/27/2010 7:56:39 PM
2	0.5621	0.08291mg/L	50uL	1		cal10.2010.09.22.10.25.47.cal	9/27/2010 7:58:43 PM
3	0.5854	0.09671mg/L	50uL	1		cal10.2010.09.22.10.25.47.cal	9/27/2010 8:00:46 PM

Mean Area 0.5773
Mean Conc. 0.09193mg/L



Sample

Sample Name: MB DISS
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

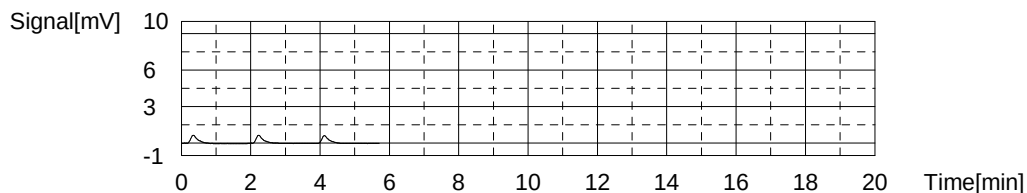
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2781mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9304	0.3010mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 8:11:02 PM
2	0.8713	0.2660mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 8:13:05 PM
3	0.8731	0.2671mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 8:15:08 PM

Mean Area 0.8916
Mean Conc. 0.2781mg/L



Sample

Sample Name: LCS DISS
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

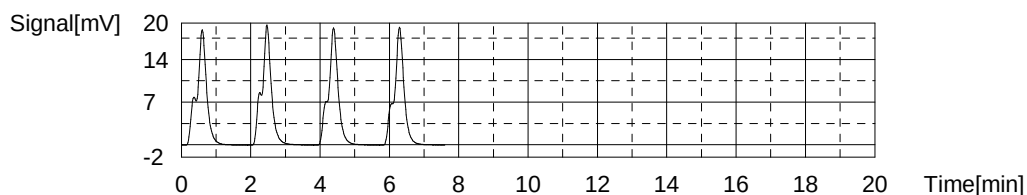
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.24mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.60	22.02mg/L	50uL	1	R	cal10.2010_09_22_10_25_47.cal	9/27/2010 8:25:25 PM
2	37.54	21.26mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 8:27:28 PM
3	37.37	21.16mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 8:29:32 PM
4	37.57	21.28mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 8:31:35 PM

Mean Area 37.49
Mean Conc. 21.24mg/L



Sample

Sample Name: 680-61463-o-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

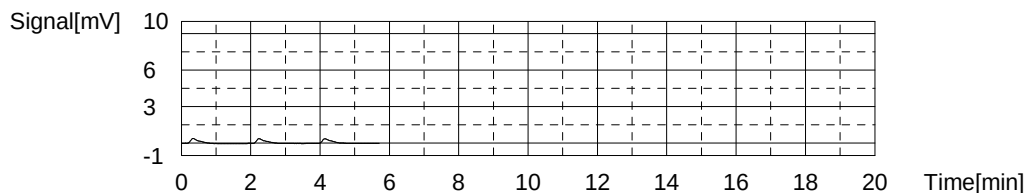
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1282mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6383	0.1280mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 8:41:49 PM
2	0.6599	0.1408mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 8:43:52 PM
3	0.6174	0.1157mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 8:45:55 PM

Mean Area 0.6385
Mean Conc. 0.1282mg/L



Sample

Sample Name: 680-61463-o-1MS
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

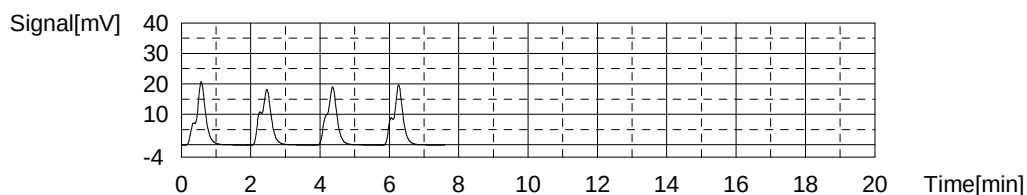
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.69mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	38.89	22.78mg/L	50uL	1	R	cal10.2010_09_22_10_25_47.cal	9/27/2010 8:56:11 PM
2	38.48	21.80mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 8:58:14 PM
3	38.18	21.63mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 9:00:18 PM
4	38.18	21.63mg/L	50uL	1		cal100a.2010_09_15_21_50_26.cal	9/27/2010 9:02:21 PM

Mean Area 38.28
Mean Conc. 21.69mg/L



Sample

Sample Name: 680-61463-o-1MSD
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

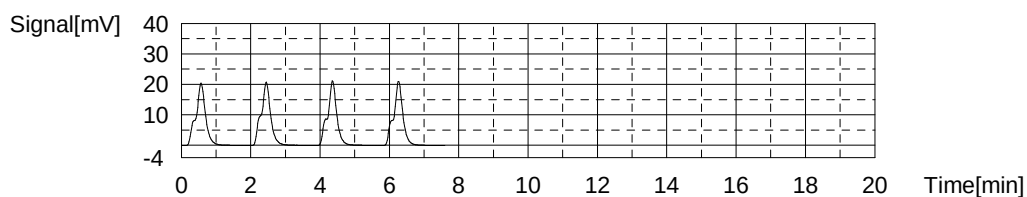
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:22.06mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	39.39	23.08mg/L	50uL	1	R	cal10.2010.09.22.10.25.47.cal	9/27/2010 9:12:36 PM
2	39.22	22.22mg/L	50uL	1		cal100a.2010.09.15.21.50.26.cal	9/27/2010 9:14:39 PM
3	38.73	21.94mg/L	50uL	1		cal100a.2010.09.15.21.50.26.cal	9/27/2010 9:16:42 PM
4	38.87	22.02mg/L	50uL	1		cal100a.2010.09.15.21.50.26.cal	9/27/2010 9:18:45 PM

Mean Area 38.94
Mean Conc. 22.06mg/L



Sample

Sample Name: 680-61463-o-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

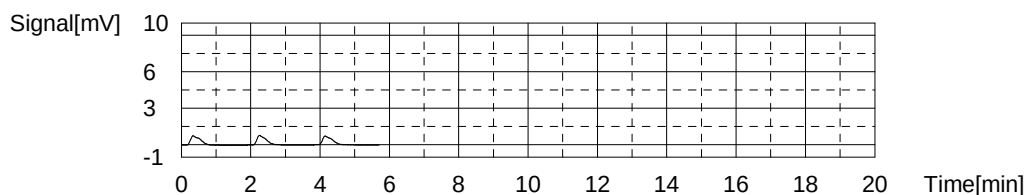
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5673mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.468	0.6194mg/L	50uL	1		cal10.2010.09.22.10.25.47.cal	9/27/2010 9:29:01 PM
2	1.322	0.5330mg/L	50uL	1		cal10.2010.09.22.10.25.47.cal	9/27/2010 9:31:04 PM
3	1.350	0.5495mg/L	50uL	1		cal10.2010.09.22.10.25.47.cal	9/27/2010 9:33:08 PM

Mean Area 1.380
Mean Conc. 0.5673mg/L



Sample

Sample Name: 680-61463-o-3
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

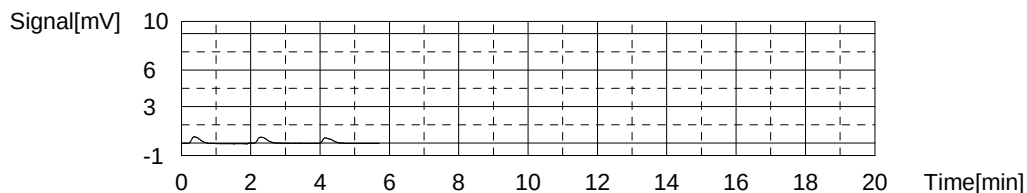
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2648mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8862	0.2749mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 9:43:25 PM
2	0.8972	0.2814mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 9:45:28 PM
3	0.8244	0.2383mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 9:47:31 PM

Mean Area 0.8693
Mean Conc. 0.2648mg/L



Sample

Sample Name: 680-61513-p-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

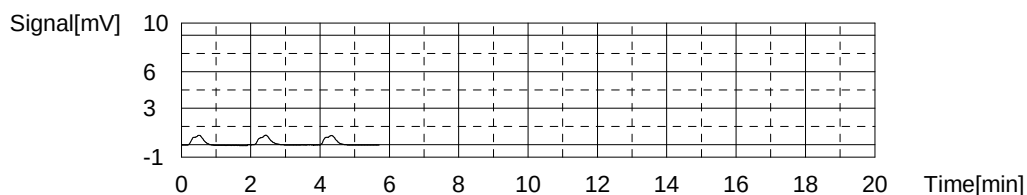
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7511mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.699	0.7562mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 9:57:49 PM
2	1.702	0.7580mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 9:59:52 PM
3	1.670	0.7391mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 10:01:55 PM

Mean Area 1.690
Mean Conc. 0.7511mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

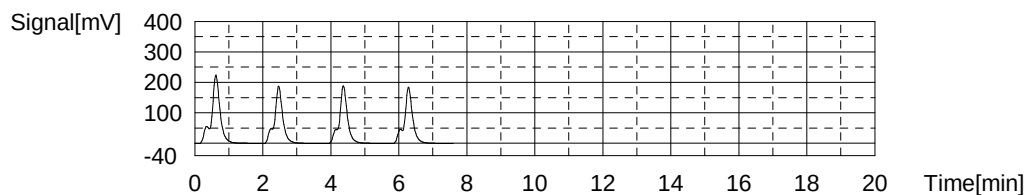
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:217.9mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	393.6	232.9mg/L	50uL	1	R	cal10.2010_09_22_10_25_47.cal	9/27/2010 10:12:12 PM
2	314.6	218.9mg/L	40uL	1		cal500a.2010_09_15_22_30_34.cal	9/27/2010 10:14:16 PM
3	311.5	216.8mg/L	40uL	1		cal500a.2010_09_15_22_30_34.cal	9/27/2010 10:16:19 PM
4	313.0	217.8mg/L	40uL	1		cal500a.2010_09_15_22_30_34.cal	9/27/2010 10:18:22 PM

Mean Area 313.0
Mean Conc. 217.9mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

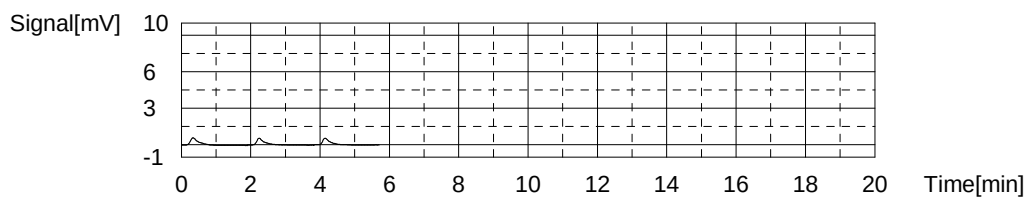
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2431mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9388	0.3060mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 10:28:38 PM
2	0.7804	0.2122mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 10:30:41 PM
3	0.7783	0.2110mg/L	50uL	1		cal10.2010_09_22_10_25_47.cal	9/27/2010 10:32:44 PM

Mean Area 0.8325
Mean Conc. 0.2431mg/L



	Sample Name	Dilution	Result	Status	Date / Time	Vial
1	ccv	1.000	NPOC:4.913mg/L	Completed	9/27/2010 7:25:02 AM	1
2	ccb	1.000	!!Failed!! NPOC:-0.1695mg/L	Completed	9/27/2010 7:39:23 AM	2
3	BICARB	1.000	NPOC:0.1039mg/L	Completed	9/27/2010 7:53:46 AM	3
4	MB	1.000	!!Failed!! NPOC:-0.06855mg/L	Completed	9/27/2010 8:10:10 AM	4
5	LCS	1.000	NPOC:19.50mg/L	Completed	9/27/2010 8:26:34 AM	5
6	LCSD	1.000	NPOC:19.53mg/L	Completed	9/27/2010 8:42:57 AM	6
7	680-61457-I-1	1.000	NPOC:3.998mg/L	Completed	9/27/2010 8:57:19 AM	7
8	680-61457-I-1MS	1.000	NPOC:25.54mg/L	Completed	9/27/2010 9:13:43 AM	8
9	680-61457-I-1MSD	1.000	NPOC:25.34mg/L	Completed	9/27/2010 9:30:06 AM	9
10	680-61463-n-1	1.000	NPOC:0.2888mg/L	Completed	9/27/2010 9:46:31 AM	10
11	680-61463-n-2	1.000	NPOC:0.3547mg/L	Completed	9/27/2010 10:00:53 AM	11
12	680-61463-n-3	1.000	NPOC:0.08656mg/L	Completed	9/27/2010 10:15:14 AM	12
13	680-61519-c-1	1.000	NPOC:0.9880mg/L	Completed	9/27/2010 10:29:36 AM	13
14	CCV	1.000	NPOC:52.10mg/L	Completed	9/27/2010 10:46:06 AM	14
15	CCB	1.000	NPOC:0.2597mg/L	Completed	9/27/2010 11:00:27 AM	15
16	680-61520-c-1	1.000	NPOC:1.090mg/L	Completed	9/27/2010 11:14:49 AM	16
17	680-61521-c-1	1.000	NPOC:1.051mg/L	Completed	9/27/2010 11:29:12 AM	17
18	200-1548-q-1	1.000	NPOC:0.7175mg/L	Completed	9/27/2010 11:43:33 AM	18
19	200-1548-j-2	1.000	NPOC:0.5197mg/L	Completed	9/27/2010 11:57:55 AM	19
20	200-1548-j-3	1.000	NPOC:0.6970mg/L	Completed	9/27/2010 12:12:18 PM	20
21	200-1548-j-5	1.000	NPOC:0.5861mg/L	Completed	9/27/2010 12:26:40 PM	21
22	200-1636-e-1	1.000	NPOC:0.8307mg/L	Completed	9/27/2010 12:41:01 PM	22
23	200-1636-e-1DU	1.000	NPOC:0.8222mg/L	Completed	9/27/2010 12:55:24 PM	23
24	200-1636-e-2 1/5	1.000	NPOC:0.1517mg/L	Completed	9/27/2010 1:09:46 PM	24
25	200-1636-e-3	1.000	NPOC:1.183mg/L	Completed	9/27/2010 1:24:09 PM	25
26	CCV	1.000	NPOC:209.3mg/L	Completed	9/27/2010 1:40:35 PM	26
27	CCB	1.000	NPOC:0.2573mg/L	Completed	9/27/2010 1:59:26 PM	27
28	200-1636-e-4	1.000	NPOC:1.315mg/L	Completed	9/27/2010 2:13:49 PM	28
29	200-1636-e-5	1.000	NPOC:1.512mg/L	Completed	9/27/2010 2:28:12 PM	29
30	200-1622-I-1	1.000	NPOC:0.7580mg/L	Completed	9/27/2010 2:42:34 PM	30
31	200-1622-I-2	1.000	NPOC:0.8384mg/L	Completed	9/27/2010 2:56:57 PM	31
32	200-1622-I-3	1.000	NPOC:0.9994mg/L	Completed	9/27/2010 3:11:21 PM	32
33	200-1622-I-5	1.000	NPOC:0.9983mg/L	Completed	9/27/2010 3:25:45 PM	33
34	MB B	1.000	NPOC:0.2337mg/L	Completed	9/27/2010 3:40:09 PM	34
35	LCS	1.000	NPOC:20.66mg/L	Completed	9/27/2010 3:56:37 PM	35
36	LCSD	1.000	NPOC:20.65mg/L	Completed	9/27/2010 4:13:01 PM	36
37	200-1622-I-6	1.000	NPOC:1.056mg/L	Completed	9/27/2010 4:27:24 PM	37
38	CCV	1.000	NPOC:5.292mg/L	Completed	9/27/2010 4:41:47 PM	38
39	CCB	1.000	NPOC:0.1564mg/L	Completed	9/27/2010 4:56:11 PM	39
40	200-1622-I-7	1.000	NPOC:0.7535mg/L	Completed	9/27/2010 5:10:34 PM	40
41	200-1622-I-8	1.000	NPOC:0.7278mg/L	Completed	9/27/2010 5:24:59 PM	41
42	200-1622-I-10	1.000	NPOC:0.7837mg/L	Completed	9/27/2010 5:39:23 PM	42
43	200-1571-I-1	1.000	NPOC:1.134mg/L	Completed	9/27/2010 5:55:37 PM	43
44	200-1571-I-1MS	1.000	NPOC:22.21mg/L	Completed	9/27/2010 6:12:04 PM	44
45	200-1571-I-1MSD	1.000	NPOC:22.69mg/L	Completed	9/27/2010 6:30:32 PM	45
46	200-1571-I-2	1.000	NPOC:0.6688mg/L	Completed	9/27/2010 6:44:48 PM	46
47	200-1571-I-3	1.000	NPOC:0.8358mg/L	Completed	9/27/2010 6:59:10 PM	47
48	200-1571-I-5	1.000	NPOC:0.8362mg/L	Completed	9/27/2010 7:13:33 PM	48
49	680-61513-m-1	1.000	NPOC:1.872mg/L	Completed	9/27/2010 7:29:59 PM	49
50	CCV	1.000	NPOC:53.59mg/L	Completed	9/27/2010 7:46:25 PM	50
51	CCB	1.000	NPOC:0.09193mg/L	Completed	9/27/2010 8:00:46 PM	51
52	MB DISS	1.000	NPOC:0.2781mg/L	Completed	9/27/2010 8:15:08 PM	52
53	LCS DISS	1.000	NPOC:21.24mg/L	Completed	9/27/2010 8:31:35 PM	53
54	680-61463-o-1	1.000	NPOC:0.1282mg/L	Completed	9/27/2010 8:45:55 PM	54
55	680-61463-o-1MS	1.000	NPOC:21.69mg/L	Completed	9/27/2010 9:02:21 PM	55
56	680-61463-o-1MSD	1.000	NPOC:22.06mg/L	Completed	9/27/2010 9:18:45 PM	56
57	680-61463-o-2	1.000	NPOC:0.5673mg/L	Completed	9/27/2010 9:33:08 PM	57
58	680-61463-o-3	1.000	NPOC:0.2648mg/L	Completed	9/27/2010 9:47:31 PM	58
59	680-61513-p-1	1.000	NPOC:0.7511mg/L	Completed	9/27/2010 10:01:55 PM	59
60	CCV	1.000	NPOC:217.9mg/L	Completed	9/27/2010 10:18:22 PM	60
61	CCB	1.000	NPOC:0.2431mg/L	Completed	9/27/2010 10:32:44 PM	61

	Sample Name	Sample ID	Dilution	Result	Status	Date / Time	Vial
1	cal10		1.000		Completed	9/15/2010 9:50:26 PM	1, 2, 4, 5
2	cal100		1.000		Completed	9/15/2010 10:30:34 PM	2, 5, 6, 7
3	cal500		1.000		Completed	9/15/2010 11:10:39 PM	3, 7, 8, 9
4	cal10		1.000		Completed	9/16/2010 11:50:25 AM	1, 2, 4, 5
5	cal10		1.000		Completed	9/16/2010 1:18:58 PM	1, 2, 4, 5

Instr.Information

System TOC-VCPNa
Detector Combustion
Catalyst Regular Sensitivity
Cell Length long

Cal. Curve

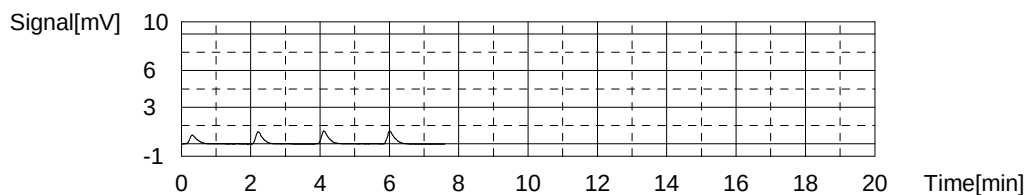
Sample Name: cal10
Sample ID:
Cal. Curve: cal10.2010_09_15_21_05_27.cal
Status Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.021	50uL	1	*****	E	9/15/2010 9:10:24 PM
2	1.387	50uL	1	*****		9/15/2010 9:12:27 PM
3	1.472	50uL	1	*****		9/15/2010 9:14:30 PM
4	1.494	50uL	1	*****		9/15/2010 9:16:34 PM

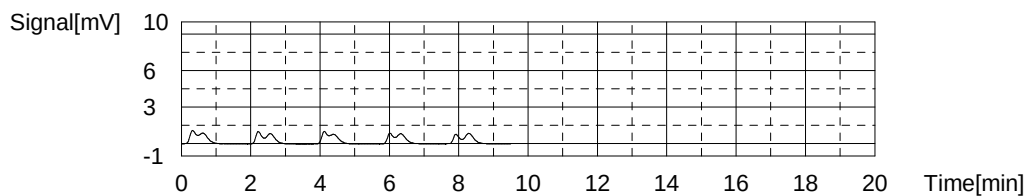
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 1.451



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.884	50uL	1	*****	E	9/15/2010 9:22:24 PM
2	2.688	50uL	1	*****	E	9/15/2010 9:24:27 PM
3	2.523	50uL	1	*****		9/15/2010 9:26:30 PM
4	2.488	50uL	1	*****		9/15/2010 9:28:33 PM
5	2.474	50uL	1	*****		9/15/2010 9:30:36 PM

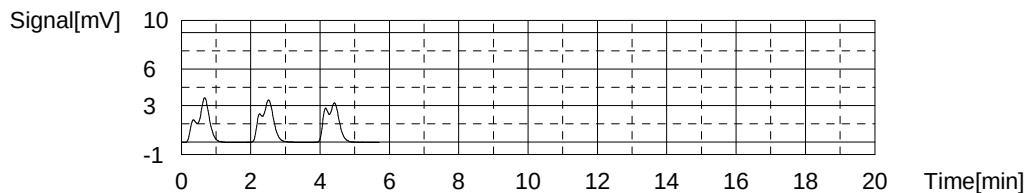
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 2.495



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	8.994	50uL	1	*****		9/15/2010 9:36:22 PM
2	8.958	50uL	1	*****		9/15/2010 9:38:25 PM
3	8.896	50uL	1	*****		9/15/2010 9:40:28 PM

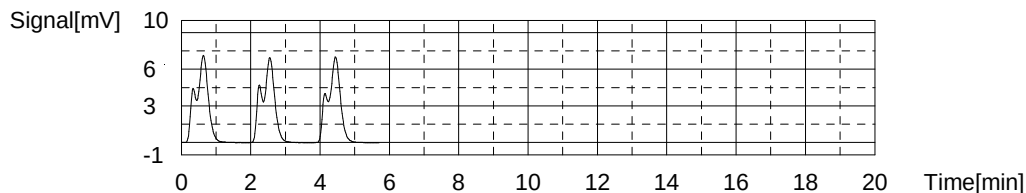
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 8.949



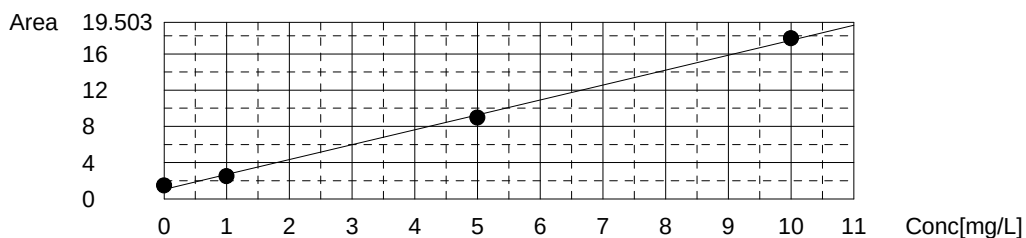
Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	17.85	50uL	1	*****		9/15/2010 9:46:20 PM
2	17.79	50uL	1	*****		9/15/2010 9:48:23 PM
3	17.55	50uL	1	*****		9/15/2010 9:50:26 PM

Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 17.73



Slope: 1.646
Intercept 1.073
 r^2 0.997879
 r 0.998939
Zero Shift No



Cal. Curve

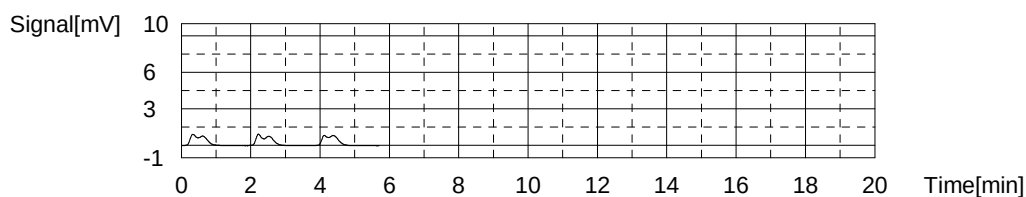
Sample Name: cal100
Sample ID:
Cal. Curve: cal100a.2010_09_15_21_50_26.cal
Status Completed

Type	Anal.
Standard	TC

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.516	50uL	1	*****		9/15/2010 9:56:33 PM
2	2.439	50uL	1	*****		9/15/2010 9:58:36 PM
3	2.413	50uL	1	*****		9/15/2010 10:00:39 PM

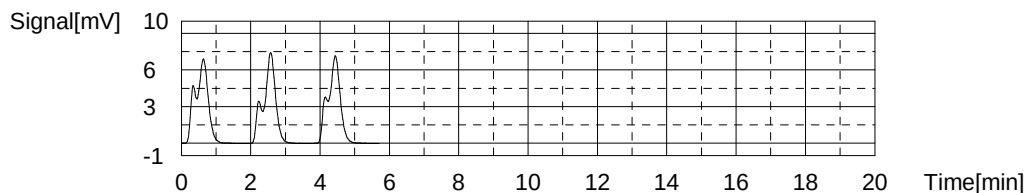
Acid Add. 0.000%
Mean Area 2.456



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	17.88	50uL	1	*****		9/15/2010 10:06:32 PM
2	17.79	50uL	1	*****		9/15/2010 10:08:35 PM
3	17.55	50uL	1	*****		9/15/2010 10:10:38 PM

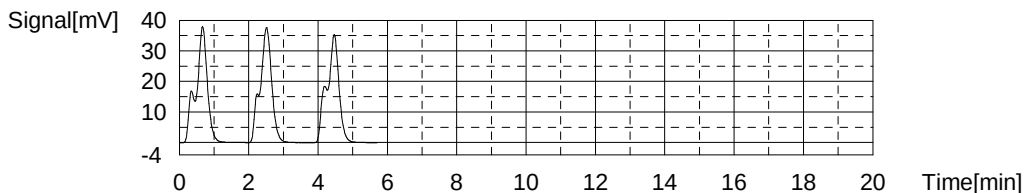
Acid Add. 0.000%
Mean Area 17.74



Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	87.80	50uL	1	*****		9/15/2010 10:16:30 PM
2	87.87	50uL	1	*****		9/15/2010 10:18:33 PM
3	86.41	50uL	1	*****		9/15/2010 10:20:36 PM

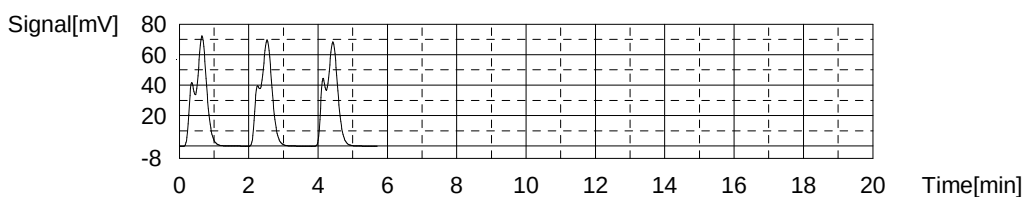
Acid Add. 0.000%
Mean Area 87.36



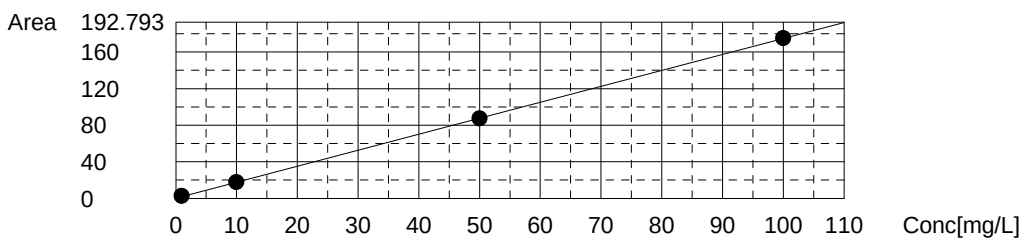
Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	176.7	50uL	1	*****		9/15/2010 10:26:28 PM
2	175.5	50uL	1	*****		9/15/2010 10:28:31 PM
3	173.6	50uL	1	*****		9/15/2010 10:30:34 PM

Acid Add. 0.000%
Mean Area 175.3



Slope: 1.747
Intercept 0.4023
 r^2 0.999984
r 0.999992
Zero Shift No



Cal. Curve

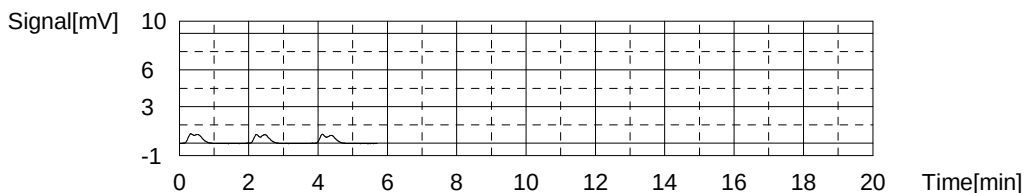
Sample Name: cal500
Sample ID:
Cal. Curve: cal500a.2010_09_15_22_30_34.cal
Status: Completed

Type	Anal.
Standard	NPOC

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.972	40uL	1	*****		9/15/2010 10:36:40 PM
2	1.946	40uL	1	*****		9/15/2010 10:38:43 PM
3	1.910	40uL	1	*****		9/15/2010 10:40:46 PM

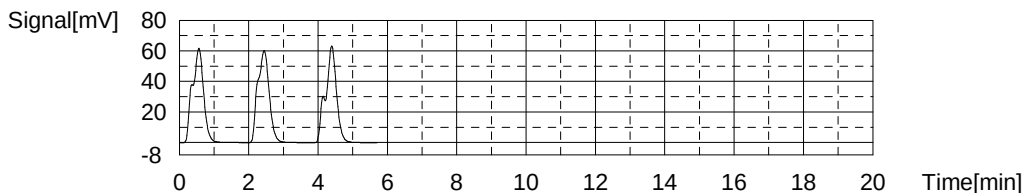
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 1.943



Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	138.8	40uL	1	*****		9/15/2010 10:46:38 PM
2	138.9	40uL	1	*****		9/15/2010 10:48:41 PM
3	139.1	40uL	1	*****		9/15/2010 10:50:44 PM

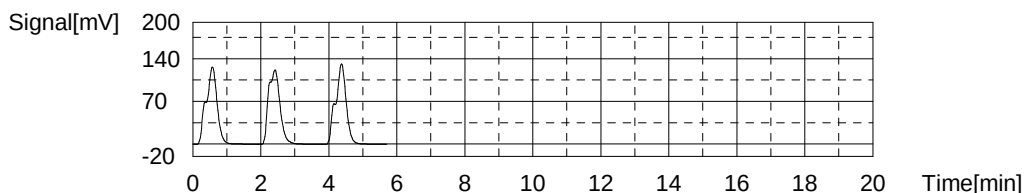
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 138.9



Conc: 200.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	284.2	40uL	1	*****		9/15/2010 10:56:36 PM
2	284.7	40uL	1	*****		9/15/2010 10:58:39 PM
3	285.4	40uL	1	*****		9/15/2010 11:00:42 PM

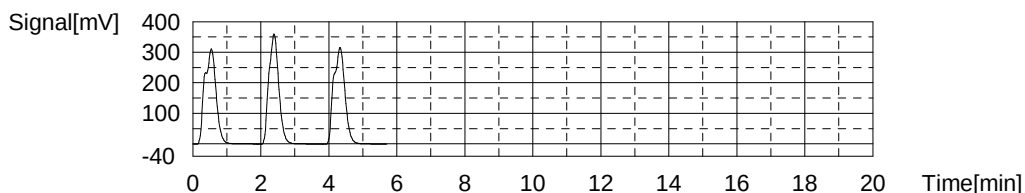
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 284.8



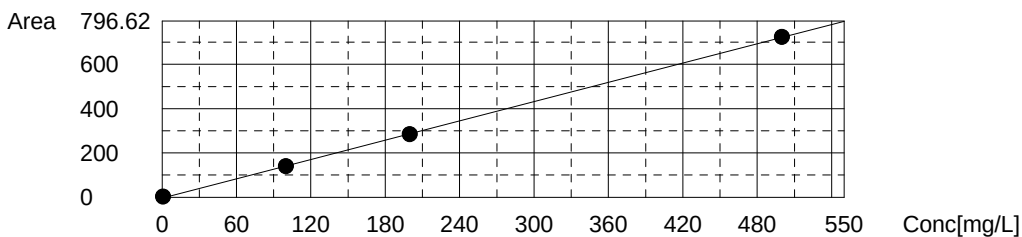
Conc: 500.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	722.1	40uL	1	*****		9/15/2010 11:06:33 PM
2	727.1	40uL	1	*****		9/15/2010 11:08:36 PM
3	723.4	40uL	1	*****		9/15/2010 11:10:39 PM

Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 724.2



Slope: 1.452
Intercept -3.291
 r^2 0.999895
 r 0.999948
Zero Shift No



Cal. Curve

Sample Name:
Sample ID:
Cal. Curve:
Status

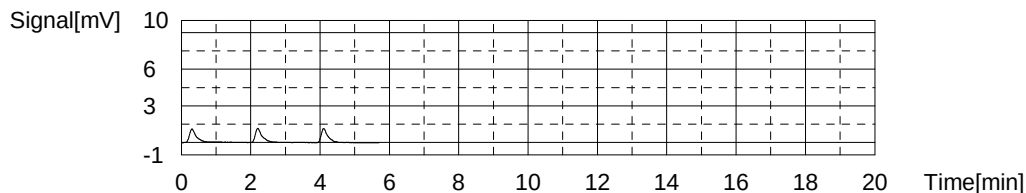
cal10
cal10.2010_09_16_11_07_27.cal
Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.545	50uL	1	*****		9/16/2010 11:12:24 AM
2	1.551	50uL	1	*****		9/16/2010 11:14:27 AM
3	1.483	50uL	1	*****		9/16/2010 11:16:30 AM

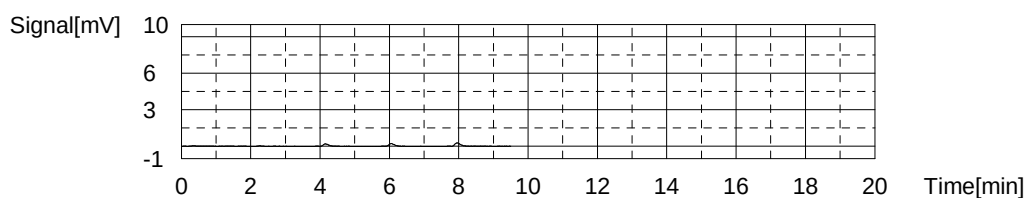
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 1.526



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.000	50uL	1	*****	E	9/16/2010 11:22:22 AM
2	0.000	50uL	1	*****	E	9/16/2010 11:24:25 AM
3	0.2077	50uL	1	*****		9/16/2010 11:26:28 AM
4	0.2431	50uL	1	*****		9/16/2010 11:28:31 AM
5	0.2854	50uL	1	*****		9/16/2010 11:30:35 AM

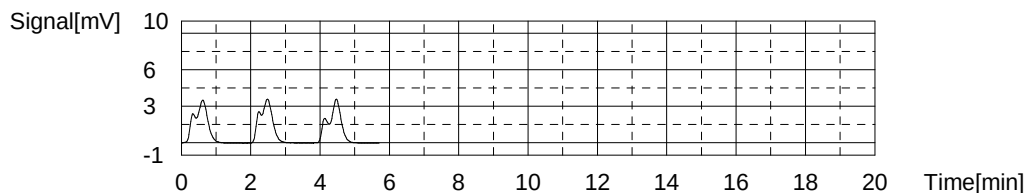
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 0.2454



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	9.265	50uL	1	*****		9/16/2010 11:36:20 AM
2	9.229	50uL	1	*****		9/16/2010 11:38:23 AM
3	9.011	50uL	1	*****		9/16/2010 11:40:26 AM

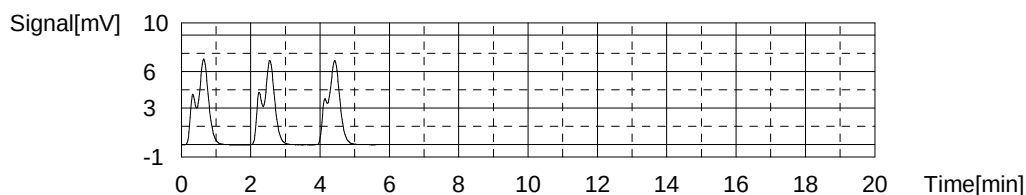
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 9.168



Conc: 10.00mg/L

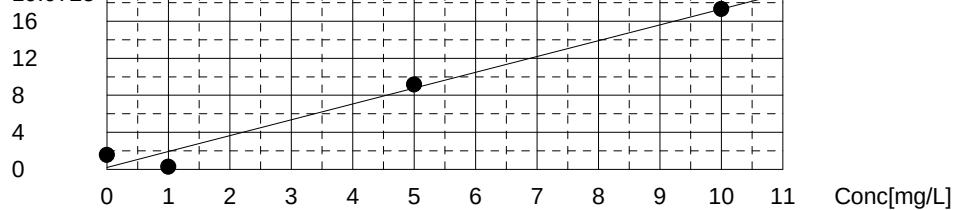
No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	17.44	50uL	1	*****		9/16/2010 11:46:18 AM
2	17.31	50uL	1	*****		9/16/2010 11:48:21 AM
3	17.18	50uL	1	*****		9/16/2010 11:50:25 AM

Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 17.31



Slope: 1.713
Intercept: 0.2118
 r^2 : 0.974794
 r : 0.987316
Zero Shift: No

Area 19.0725



Cal. Curve

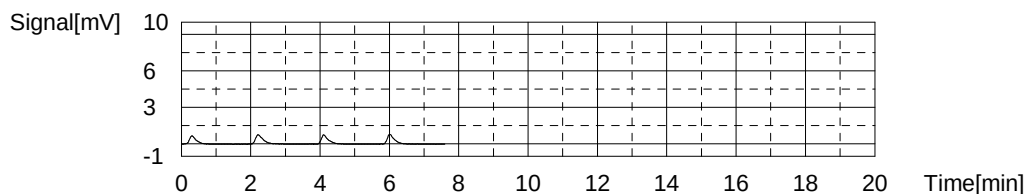
Sample Name: cal10
Sample ID:
Cal. Curve: cal10.2010_09_16_12_37_57.cal
Status: Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.8937	50uL	1	*****	E	9/16/2010 12:42:54 PM
2	1.136	50uL	1	*****		9/16/2010 12:44:57 PM
3	1.053	50uL	1	*****		9/16/2010 12:47:01 PM
4	1.088	50uL	1	*****		9/16/2010 12:49:04 PM

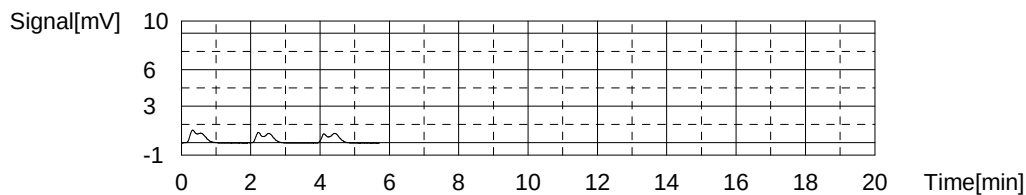
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 1.092



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.491	50uL	1	*****		9/16/2010 12:54:54 PM
2	2.370	50uL	1	*****		9/16/2010 12:56:58 PM
3	2.308	50uL	1	*****		9/16/2010 12:59:01 PM

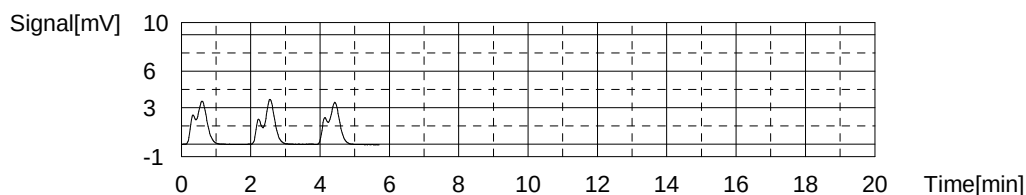
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 2.390



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	8.905	50uL	1	*****		9/16/2010 1:04:53 PM
2	8.887	50uL	1	*****		9/16/2010 1:06:56 PM
3	8.738	50uL	1	*****		9/16/2010 1:09:00 PM

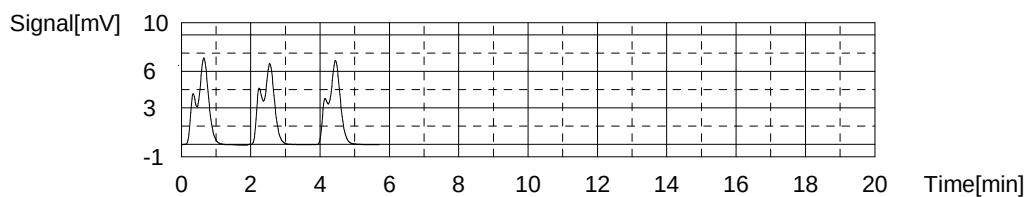
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 8.843



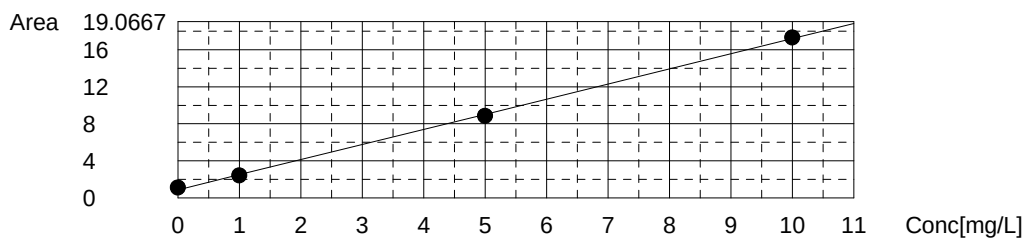
Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	17.54	50uL	1	*****		9/16/2010 1:14:52 PM
2	17.37	50uL	1	*****		9/16/2010 1:16:55 PM
3	17.09	50uL	1	*****		9/16/2010 1:18:58 PM

Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 17.33



Slope: 1.634
Intercept 0.8789
 r^2 0.999299
 r 0.999650
Zero Shift No



General Chemistry Worksheet

Batch Number: 680-178076

Method: 300.0

Analyst: Brazell, Connie

Date Open: Aug 23 2010 5:40PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	All_Anions_00021	Anion-1_00045	Anion-2_00043	Anion-3_00040	Anion-4_00053
IC~680-178076/1		300.0		5 mL		5 mL			
IC~680-178076/2		300.0		5 mL			5 mL		
IC~680-178076/3		300.0		5 mL				5 mL	
IC~680-178076/4		300.0		5 mL					5 mL
IC~680-178076/5		300.0		5 mL					
IC~680-178076/6		300.0		5 mL					
MB~680-178076/7				5 mL					
LCS~680-178076/8				5 mL					
680-60251-C-2			T	5 mL					
680-60251-C-2~MS			T	5 mL	50 uL				
CCV~680-178076/1				5 mL					5 mL
1									
CCB~680-178076/1				5 mL					
2									

General Chemistry Worksheet

Batch Number: 680-178076

Method: 300.0

Analyst: Brazell, Connie

Date Open: Aug 23 2010 5:40PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Anion-5_00044	Anion-6_00039	Anion_ICV_00042
IC~680-178076/1		300.0				
IC~680-178076/2		300.0				
IC~680-178076/3		300.0				
IC~680-178076/4		300.0				
IC~680-178076/5		300.0		5 mL		
IC~680-178076/6		300.0			5 mL	
MB~680-178076/7						
LCS~680-178076/8						5 mL
680-60251-C-2			T			
680-60251-C-2~MS			T			
CCV~680-178076/1						
1						
CCB~680-178076/1						
2						

Filter Lot #: P/N 038009
 Eluent 1 Lot: SN 070300824019
 Regeneration Solution Lot: N/A
 Ethylenediamine Lot: N/A

General Chemistry Worksheet

Batch Number: 680-178076

Method: 300.0

Analyst: Brazell, Connie

Date Open: Aug 23 2010 5:40PM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
IC~680-178076/1		300.0		
IC~680-178076/2		300.0		
IC~680-178076/3		300.0		
IC~680-178076/4		300.0		
IC~680-178076/5		300.0		
IC~680-178076/6		300.0		
MB~680-178076/7				
LCS~680-178076/8				
680-60251-C-2			T	
680-60251-C-2~MS			T	
CCV~680-178076/1				
1				
CCB~680-178076/1				
2				

Batch Comment:

NONE

General Chemistry Worksheet

Batch Number: 680-180881

Method: 160.1

Analyst: Robinson, Tiffany

Date Open: Sep 23 2010 6:29PM

Batch End: Sep 26 2010 2:07PM

Lab ID	Client ID	Method Chain	Basis	Conductivity of sample	CrucibleID	Initial weight/volume of sample	Tare Weight	First Weighing	Second Weighing
MB~680-180881/1		SM 2540C			606	100 mL	72.5594 g	72.5598 g	72.5596 g
LCS~680-180881/2		SM 2540C			58	100 mL	76.2373 g	76.2606 g	76.2609 g
LCSD~680-180881/3		SM 2540C			R	100 mL	71.4553 g	71.4797 g	71.4801 g
680-61498-B-1			T	341.00 umhos/cm	14	100 mL	78.8626 g	78.8839 g	78.8836 g
680-61498-B-1~DU			T	341.00 umhos/cm	EH	100 mL	77.9191 g	77.9402 g	77.9405 g
680-61498-A-2			T	3170.00 umhos/cm	3	50 mL	73.0890 g	73.1786 g	73.1789 g
680-61501-E-1			T	836.00 umhos/cm	53	100 mL	73.3214 g	73.3800 g	73.3804 g
680-61501-E-2			T	850.00 umhos/cm	341	100 mL	74.0611 g	74.1190 g	74.1193 g
200-1636-H-1	ISCO-MW1	SM 2540C	T	359.00 umhos/cm	83	100 mL	74.8186 g	74.8398 g	74.8399 g
200-1636-H-2	ISCO-MW2	SM 2540C	T	464.00 umhos/cm	09	100 mL	83.7751 g	83.8063 g	83.8067 g
200-1636-H-3	ISCO-MW3	SM 2540C	T	307.00 umhos/cm	77	100 mL	78.8459 g	78.8687 g	78.8690 g
200-1636-H-4	ISCO-MW4	SM 2540C	T	388.00 umhos/cm	75	100 mL	76.7059 g	76.7298 g	76.7299 g
200-1636-H-5	ISCO-MW5	SM 2540C	T	423.00 umhos/cm	AC	100 mL	74.0718 g	74.0983 g	74.0987 g
680-61486-E-1			T	897.00 umhos/cm	13	100 mL	68.0208 g	68.0833 g	68.0835 g
680-61509-A-1			T	57.10 umhos/cm	50	100 mL	73.5728 g	73.5796 g	73.5799 g
680-61509-A-2			T	65.00 umhos/cm	5	100 mL	76.2464 g	76.2533 g	76.2537 g
680-61509-A-3			T	22.30 umhos/cm	TP	100 mL	76.5822 g	76.5844 g	76.5841 g
680-61509-A-4			T	58.30 umhos/cm	AB	100 mL	76.7751 g	76.7810 g	76.7812 g
680-61509-A-5			T	45.90 umhos/cm	25	100 mL	73.0843 g	73.0909 g	73.0913 g
680-61509-A-6			T	77.30 umhos/cm	23	100 mL	74.2343 g	74.2428 g	74.2431 g
680-61497-A-1			T	583.00 umhos/cm	180	100 mL	74.8059 g	74.8410 g	74.8413 g
680-61497-A-1~DU			T	583.00 umhos/cm	292	100 mL	78.6862 g	78.7196 g	78.7199 g

General Chemistry Worksheet

Batch Number: 680-180881

Method: 160.1

Analyst: Robinson, Tiffany

Date Open: Sep 23 2010 6:29PM

Batch End: Sep 26 2010 2:07PM

Lab ID	Client ID	Method Chain	Basis	Third Weighing	Percent different between 1st & 2nd	RawResidue	Weight of Residue 2	Final weight/volume of sample	TS/TDS LCS_00101
MB~680-180881/1		SM 2540C		0 g	PASS_D	0.0004 g	0.0002 g	100 mL	
LCS~680-180881/2		SM 2540C		0 g	PASS_D	0.0233 g	0.0236 g	100 mL	100 mL
LCSD~680-180881/ 3		SM 2540C		0 g	PASS_D	0.0244 g	0.0248 g	100 mL	100 mL
680-61498-B-1			T	0 g	PASS_D	0.0213 g	0.0210 g	100 mL	
680-61498-B-1~DU			T	0 g	PASS_D	0.0211 g	0.0214 g	100 mL	
680-61498-A-2			T	0 g	PASS_D	0.0896 g	0.0899 g	100 mL	
680-61501-E-1			T	0 g	PASS_D	0.0586 g	0.0590 g	100 mL	
680-61501-E-2			T	0 g	PASS_D	0.0579 g	0.0582 g	100 mL	
200-1636-H-1	ISCO-MW1	SM 2540C	T	0 g	PASS_D	0.0212 g	0.0213 g	100 mL	
200-1636-H-2	ISCO-MW2	SM 2540C	T	0 g	PASS_D	0.0312 g	0.0316 g	100 mL	
200-1636-H-3	ISCO-MW3	SM 2540C	T	0 g	PASS_D	0.0228 g	0.0231 g	100 mL	
200-1636-H-4	ISCO-MW4	SM 2540C	T	0 g	PASS_D	0.0239 g	0.0240 g	100 mL	
200-1636-H-5	ISCO-MW5	SM 2540C	T	0 g	PASS_D	0.0265 g	0.0269 g	100 mL	
680-61486-E-1			T	0 g	PASS_D	0.0625 g	0.0627 g	100 mL	
680-61509-A-1			T	0 g	PASS_D	0.0068 g	0.0071 g	100 mL	
680-61509-A-2			T	0 g	PASS_D	0.0069 g	0.0073 g	100 mL	
680-61509-A-3			T	0 g	PASS_D	0.0022 g	0.0019 g	100 mL	
680-61509-A-4			T	0 g	PASS_D	0.0059 g	0.0061 g	100 mL	
680-61509-A-5			T	0 g	PASS_D	0.0066 g	0.0070 g	100 mL	
680-61509-A-6			T	0 g	PASS_D	0.0085 g	0.0088 g	100 mL	
680-61497-A-1			T	0 g	PASS_D	0.0351 g	0.0354 g	100 mL	
680-61497-A-1~DU			T	0 g	PASS_D	0.0334 g	0.0337 g	100 mL	

Oven ID:	B	Constant Weight (WT3) Date/time In:	n/a
ID number of the thermometer:	GE01	Constant Weight (WT3) Temp In:	n/a Celsius
Nominal Amount Used:	100 mL	Constant Weight (WT3) Date/Time Out:	n/a
Date samples were place in the oven:	09.23.10	Constant Weight (WT3) Temp Out:	n/a Celsius
Oven Temp when samples are put in oven:	105 Celsius		
Date samples were removed from oven:	09.26.10		
Oven Temp when samples removed from oven:	180 Celsius		
Balance ID:	13		
Filter Paper Lot Number:	387263		
Constant Weight (WT2) Date/Time in Oven:	09.26.10/10:30 am		
Constant Weight (WT2) Temp In:	180 Celsius		
Constant Weight (WT2) Date/Time Out:	09.26.10/1:00 pm		
Constant Weight (WT2) Temp Out:	180 Celsius		

General Chemistry Worksheet

Batch Number: 680-180881

Method: 160.1

Analyst: Robinson, Tiffany

Date Open: Sep 23 2010 6:29PM

Batch End: Sep 26 2010 2:07PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-180881/1		SM 2540C		
LCS~680-180881/2		SM 2540C		
LCSD~680-180881/3		SM 2540C		
680-61498-B-1			T	
680-61498-B-1~DU			T	
680-61498-A-2			T	
680-61501-E-1			T	
680-61501-E-2			T	
200-1636-H-1	ISCO-MW1	SM 2540C	T	
200-1636-H-2	ISCO-MW2	SM 2540C	T	
200-1636-H-3	ISCO-MW3	SM 2540C	T	
200-1636-H-4	ISCO-MW4	SM 2540C	T	
200-1636-H-5	ISCO-MW5	SM 2540C	T	
680-61486-E-1			T	
680-61509-A-1			T	
680-61509-A-2			T	
680-61509-A-3			T	
680-61509-A-4			T	
680-61509-A-5			T	
680-61509-A-6			T	
680-61497-A-1			T	
680-61497-A-1~DU			T	

Batch Comment:

n/a

General Chemistry Worksheet

Batch Number: 680-180883

Method: 160.2

Analyst: Robinson, Tiffany

Date Open: Sep 23 2010 8:21PM

Batch End: Sep 26 2010 10:56AM

Lab ID	Client ID	Method Chain	Basis	CrucibleID	Tare Weight	Initial weight/volume of sample	First Weighing	Second Weighing	Third Weighing
MB~680-180883/1		SM 2540D		P1470	0.1156 g	200 mL	0.1156 g	0.1158 g	0 g
LCS~680-180883/2		SM 2540D		P1471	0.1101 g	200 mL	0.1309 g	0.1312 g	0 g
LCSD~680-180883/3		SM 2540D		P0121	0.1170 g	200 mL	0.1389 g	0.1390 g	0 g
680-61494-D-1			T	P0122	0.1108 g	200 mL	0.1156 g	0.1159 g	0 g
680-61494-D-1~DU			T	P0123	0.1169 g	200 mL	0.1224 g	0.1224 g	0 g
680-61493-B-2			T	P0124	0.1106 g	200 mL	0.1127 g	0.1129 g	0 g
680-61489-A-1			T	P0125	0.1166 g	10 mL	0.2755 g	0.2758 g	0 g
680-61506-A-1			T	P0126	0.1132 g	90 mL	0.1199 g	0.1200 g	0 g
680-61506-A-2			T	P0127	0.1108 g	160 mL	0.1130 g	0.1130 g	0 g
680-61499-A-1			T	P0128	0.1171 g	200 mL	0.1175 g	0.1173 g	0 g
680-61505-A-2			T	P0129	0.1103 g	200 mL	0.1172 g	0.1170 g	0 g
680-61505-A-3			T	P0130	0.1169 g	200 mL	0.1224 g	0.1226 g	0 g
680-61505-A-8			T	P0131	0.1104 g	200 mL	0.1146 g	0.1148 g	0 g
680-61501-E-1			T	P0132	0.1151 g	200 mL	0.1158 g	0.1159 g	0 g
680-61501-E-2			T	P0133	0.1078 g	200 mL	0.1082 g	0.1084 g	0 g
200-1636-H-1	ISCO-MW1	SM 2540D	T	P0134	0.1108 g	200 mL	0.1113 g	0.1115 g	0 g
200-1636-H-2	ISCO-MW2	SM 2540D	T	P0135	0.1104 g	200 mL	0.1137 g	0.1138 g	0 g
200-1636-H-3	ISCO-MW3	SM 2540D	T	P0136	0.1092 g	200 mL	0.1189 g	0.1189 g	0 g
200-1636-H-4	ISCO-MW4	SM 2540D	T	P0137	0.1085 g	200 mL	0.1101 g	0.1102 g	0 g
200-1636-H-5	ISCO-MW5	SM 2540D	T	P0138	0.1081 g	200 mL	0.1085 g	0.1087 g	0 g
680-61505-A-1			T	P0139	0.1111 g	60 mL	0.1332 g	0.1334 g	0 g
680-61505-A-1~DU			T	P0140	0.1175 g	60 mL	0.1379 g	0.1382 g	0 g

General Chemistry Worksheet

Batch Number: 680-180883

Method: 160.2

Analyst: Robinson, Tiffany

Date Open: Sep 23 2010 8:21PM

Batch End: Sep 26 2010 10:56AM

Lab ID	Client ID	Method Chain	Basis	Percent different between 1st & 2nd	RawResidue	Weight of Residue 2	Weight of Residue 3	Final weight/volume of sample	TSS LCS_00202
MB~680-180883/1		SM 2540D		PASS_D g	0.0000 g	0.0002 g	NaN g	200 mL	
LCS~680-180883/2		SM 2540D		PASS_D g	0.0208 g	0.0211 g	NaN g	200 mL	200 mL
LCSD~680-180883/ 3		SM 2540D		PASS_D g	0.0219 g	0.022 g	NaN g	200 mL	200 mL
680-61494-D-1			T	PASS_D g	0.0048 g	0.0051 g	NaN g	200 mL	
680-61494-D-1~DU			T	PASS_D g	0.0055 g	0.0055 g	NaN g	200 mL	
680-61493-B-2			T	PASS_D g	0.0021 g	0.0023 g	NaN g	200 mL	
680-61489-A-1			T	PASS_D g	0.1589 g	0.1592 g	NaN g	200 mL	
680-61506-A-1			T	PASS_D g	0.0067 g	0.0068 g	NaN g	200 mL	
680-61506-A-2			T	PASS_D g	0.0022 g	0.0022 g	NaN g	200 mL	
680-61499-A-1			T	PASS_D g	0.0004 g	0.0002 g	NaN g	200 mL	
680-61505-A-2			T	PASS_D g	0.0069 g	0.0067 g	NaN g	200 mL	
680-61505-A-3			T	PASS_D g	0.0055 g	0.0057 g	NaN g	200 mL	
680-61505-A-8			T	PASS_D g	0.0042 g	0.0044 g	NaN g	200 mL	
680-61501-E-1			T	PASS_D g	0.0007 g	0.0008 g	NaN g	200 mL	
680-61501-E-2			T	PASS_D g	0.0004 g	0.0006 g	NaN g	200 mL	
200-1636-H-1	ISCO-MW1	SM 2540D	T	PASS_D g	0.0005 g	0.0007 g	NaN g	200 mL	
200-1636-H-2	ISCO-MW2	SM 2540D	T	PASS_D g	0.0033 g	0.0034 g	NaN g	200 mL	
200-1636-H-3	ISCO-MW3	SM 2540D	T	PASS_D g	0.0097 g	0.0097 g	NaN g	200 mL	
200-1636-H-4	ISCO-MW4	SM 2540D	T	PASS_D g	0.0016 g	0.0017 g	NaN g	200 mL	
200-1636-H-5	ISCO-MW5	SM 2540D	T	PASS_D g	0.0004 g	0.0006 g	NaN g	200 mL	
680-61505-A-1			T	PASS_D g	0.0221 g	0.0223 g	NaN g	200 mL	
680-61505-A-1~DU			T	PASS_D g	0.0204 g	0.0207 g	NaN g	200 mL	

Nominal Amount Used: 200 mL
Oven ID: B
Date samples were place in the oven: 09.23.10
Oven Temp when samples are put in oven: 105 Celsius
Date samples were removed from oven: 09.26.10
Oven Temp when samples removed from oven: 105 Celsius
Balance ID: 13
Filter Paper Lot Number: 9440426-0237r2

General Chemistry Worksheet

Batch Number: 680-180883

Method: 160.2

Analyst: Robinson, Tiffany

Date Open: Sep 23 2010 8:21PM

Batch End: Sep 26 2010 10:56AM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-180883/1		SM 2540D		
LCS~680-180883/2		SM 2540D		
LCSD~680-180883/3		SM 2540D		
680-61494-D-1			T	
680-61494-D-1~DU			T	
680-61493-B-2			T	
680-61489-A-1			T	
680-61506-A-1			T	
680-61506-A-2			T	
680-61499-A-1			T	
680-61505-A-2			T	
680-61505-A-3			T	
680-61505-A-8			T	
680-61501-E-1			T	
680-61501-E-2			T	
200-1636-H-1	ISCO-MW1	SM 2540D	T	
200-1636-H-2	ISCO-MW2	SM 2540D	T	
200-1636-H-3	ISCO-MW3	SM 2540D	T	
200-1636-H-4	ISCO-MW4	SM 2540D	T	
200-1636-H-5	ISCO-MW5	SM 2540D	T	
680-61505-A-1			T	
680-61505-A-1~DU			T	

Batch Comment:

n/a

General Chemistry Worksheet

Batch Number: 680-181209

Method: 415.1

Analyst: McDonald, Debbie

Date Open: Sep 27 2010 7:20AM

Batch End: Sep 27 2010 10:32AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	TOC CALSTK_00012	TOC LCS_00043
CCV~680-181209/1		SM 5310B		25 mL	25		
CCB~680-181209/2		SM 5310B		25 mL	25		
BICARB				25 mL	25		
MB~680-181209/4		SM 5310B		25 mL	25		
LCS~680-181209/5		SM 5310B		25 mL	25		25 mL
LCSD~680-181209/6		SM 5310B		25 mL	25		25 mL
680-61457-L-1			T	25 mL	25		
680-61457-L-1~MS			T	25 mL	25	0.25 mL	
680-61457-L-1~MS D			T	25 mL	25	0.25 mL	
680-61463-N-1			T	25 mL	25		
680-61463-N-2			T	25 mL	25		
680-61463-N-3			T	25 mL	25		
680-61519-C-1			T	25 mL	25		
CCV~680-181209/14		SM 5310B		25 mL	25		
CCB~680-181209/15		SM 5310B		25 mL	25		
680-61520-C-1			T	25 mL	25		
680-61521-C-1			T	25 mL	25		
200-1548-Q-1			T	25 mL	25		
200-1548-J-2			T	25 mL	25		
200-1548-J-3			T	25 mL	25		
200-1548-J-5			T	25 mL	25		
200-1636-E-1	ISCO-MW1	SM 5310B	T	25 mL	25		
200-1636-E-1~DU	ISCO-MW1	SM 5310B	T	25 mL	25		
200-1636-E-2	ISCO-MW2	SM 5310B	T	25 mL	25		
200-1636-E-3	ISCO-MW3	SM 5310B	T	25 mL	25		

General Chemistry Worksheet

Batch Number: 680-181209

Method: 415.1

Analyst: McDonald, Debbie

Date Open: Sep 27 2010 7:20AM

Batch End: Sep 27 2010 10:32AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	TOC CALSTK_00012	TOC LCS_00043
CCV~680-181209/26		SM 5310B		25 mL	25		
CCB~680-181209/27		SM 5310B		25 mL	25		
200-1636-E-4	ISCO-MW4	SM 5310B	T	25 mL	25		
200-1636-E-5	ISCO-MW5	SM 5310B	T	25 mL	25		
200-1622-L-1			T	25 mL	25		
200-1622-L-2			T	25 mL	25		
200-1622-L-3			T	25 mL	25		
200-1622-L-5			T	25 mL	25		
MB~680-181209/34				25 mL	25		
LCS~680-181209/35				25 mL	25		25 mL
LCSD~680-181209/36				25 mL	25		25 mL
200-1622-L-6			T	25 mL	25		
CCV~680-181209/38		SM 5310B		25 mL	25		
CCB~680-181209/39		SM 5310B		25 mL	25		
200-1622-L-7			T	25 mL	25		
200-1622-L-8			T	25 mL	25		
200-1622-L-10			T	25 mL	25		
200-1571-L-1			T	25 mL	25		
200-1571-L-1~MS			T	25 mL	25	0.25 mL	
200-1571-L-1~MSD			T	25 mL	25	0.25 mL	
200-1571-L-2			T	25 mL	25		
200-1571-L-3			T	25 mL	25		
200-1571-L-5			T	25 mL	25		
680-61513-M-1			T	25 mL	25		
CCV~680-181209/50				25 mL	25		

General Chemistry Worksheet

Batch Number: 680-181209

Method: 415.1

Analyst: McDonald, Debbie

Date Open: Sep 27 2010 7:20AM

Batch End: Sep 27 2010 10:32AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	TOC CALSTK_00012	TOC LCS_00043
CCB~680-181209/5 1				25 mL	25		

HCl Vendor:

MALLICKKRODT

Lot # of hydrochloric acid:

50% HCl 00006

General Chemistry Worksheet

Batch Number: 680-181209

Method: 415.1

Analyst: McDonald, Debbie

Date Open: Sep 27 2010 7:20AM

Batch End: Sep 27 2010 10:32AM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCV~680-181209/1		SM 5310B		
CCB~680-181209/2		SM 5310B		
BICARB				
MB~680-181209/4		SM 5310B		
LCS~680-181209/5		SM 5310B		
LCSD~680-181209/6		SM 5310B		
680-61457-L-1			T	
680-61457-L-1~MS			T	
680-61457-L-1~MS D			T	
680-61463-N-1			T	
680-61463-N-2			T	
680-61463-N-3			T	
680-61519-C-1			T	
CCV~680-181209/14		SM 5310B		
CCB~680-181209/15		SM 5310B		
680-61520-C-1			T	
680-61521-C-1			T	
200-1548-Q-1			T	
200-1548-J-2			T	
200-1548-J-3			T	
200-1548-J-5			T	
200-1636-E-1	ISCO-MW1	SM 5310B	T	
200-1636-E-1~DU	ISCO-MW1	SM 5310B	T	
200-1636-E-2	ISCO-MW2	SM 5310B	T	Sample had a pink color and was analyzed at a dilution of 5 to reduce risk of instrument damage.
200-1636-E-3	ISCO-MW3	SM 5310B	T	

General Chemistry Worksheet

Batch Number: 680-181209

Method: 415.1

Analyst: McDonald, Debbie

Date Open: Sep 27 2010 7:20AM

Batch End: Sep 27 2010 10:32AM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCV~680-181209/2 6		SM 5310B		
CCB~680-181209/2 7		SM 5310B		
200-1636-E-4	ISCO-MW4	SM 5310B	T	
200-1636-E-5	ISCO-MW5	SM 5310B	T	
200-1622-L-1			T	
200-1622-L-2			T	
200-1622-L-3			T	
200-1622-L-5			T	
MB~680-181209/34				
LCS~680-181209/35				
LCSD~680-181209/ 36				
200-1622-L-6			T	
CCV~680-181209/3 8		SM 5310B		
CCB~680-181209/3 9		SM 5310B		
200-1622-L-7			T	
200-1622-L-8			T	
200-1622-L-10			T	
200-1571-L-1			T	
200-1571-L-1~MS			T	
200-1571-L-1~MSD			T	
200-1571-L-2			T	
200-1571-L-3			T	
200-1571-L-5			T	
680-61513-M-1			T	
CCV~680-181209/5 0				

General Chemistry Worksheet

Batch Number: 680-181209

Method: 415.1

Analyst: McDonald, Debbie

Date Open: Sep 27 2010 7:20AM

Batch End: Sep 27 2010 10:32AM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCB~680-181209/5 1				

Batch Comment:

NA

General Chemistry Worksheet

Batch Number: 680-181224

Method: SM 2320B

Analyst: Robinson, Tiffany

Date Open: Sep 27 2010 6:51PM

Batch End: Sep 27 2010 10:04PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Calculation Message	Final weight/volume of sample	7.0 PH BUF_00086	Alk LCS_00061
tap~h2o				25 mL	BuretStart2 is blank	25 mL		
di				25 mL	BuretStart2 is blank	25 mL		
ph~icv				25 mL	BuretStart2 is blank	25 mL		
di				25 mL	BuretStart2 is blank	25 mL		
MB~680-181224/5		SM 2320B		25 mL	BuretStart2 is blank	25 mL		
LCS~680-181224/6		SM 2320B		25 mL	BuretStart2 is blank	25 mL		25 mL
680-61501-F-1			T	25 mL	BuretStart2 is blank	25 mL		
680-61501-G-2			T	25 mL	BuretStart2 is blank	25 mL		
200-1636-F-1	ISCO-MW1	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL		
200-1636-G-2	ISCO-MW2	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL		
200-1636-F-3	ISCO-MW3	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL		
200-1636-F-4	ISCO-MW4	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL		
200-1636-F-5	ISCO-MW5	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL		
200-1636-F-5~DU	ISCO-MW5	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL		
CCVPH				25 mL	BuretStart2 is blank	25 mL	25 mL	
680-61498-F-1			T	25 mL	BuretStart2 is blank	25 mL		
680-61541-G-1			T	25 mL	BuretStart2 is blank	25 mL		
680-61541-G-3			T	25 mL	BuretStart2 is blank	25 mL		
680-61541-G-4			T	25 mL	BuretStart2 is blank	25 mL		
680-61541-G-5			T	25 mL	BuretStart2 is blank	25 mL		
680-61541-G-6			T	25 mL	BuretStart2 is blank	25 mL		
680-61541-G-7			T	25 mL	BuretStart2 is blank	25 mL		
680-61541-G-8			T	25 mL	BuretStart2 is blank	25 mL		
680-61549-D-1			T	25 mL	BuretStart2 is blank	25 mL		
680-61549-D-1~DU			T	25 mL	BuretStart2 is blank	25 mL		

General Chemistry Worksheet

Batch Number: 680-181224

Method: SM 2320B

Analyst: Robinson, Tiffany

Date Open: Sep 27 2010 6:51PM

Batch End: Sep 27 2010 10:04PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Calculation Message	Final weight/volume of sample	7.0 PH BUF_00086	Alk LCS_00061
CCVPH				25 mL	BuretStart2 is blank	25 mL	25 mL	
680-61549-D-2			T	25 mL	BuretStart2 is blank	25 mL		
680-61564-A-2			T	25 mL	BuretStart2 is blank	25 mL		
560-22235-A-1			T	25 mL	BuretStart2 is blank	25 mL		
680-61468-B-2			T	25 mL	BuretStart2 is blank	25 mL		
ccvph				25 mL	BuretStart2 is blank	25 mL	25 mL	
LCSD~680-181224/32		SM 2320B		25 mL	BuretStart2 is blank	25 mL		25 mL

First Start time: 1851
 First End time: 2204
 Nominal Amount Used: .02 mL
 Normality of first Titrant: .1 N
 Lot # of hydrochloric acid: n/a
 HCl Vendor: n/a
 Sulfuric Acid Lot Number: 1905358
 Sulfuric Acid Vendor: NCL

General Chemistry Worksheet

Batch Number: 680-181224

Method: SM 2320B

Analyst: Robinson, Tiffany

Date Open: Sep 27 2010 6:51PM

Batch End: Sep 27 2010 10:04PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
tap~h2o				
di				
ph~icv				
di				
MB~680-181224/5		SM 2320B		
LCS~680-181224/6		SM 2320B		
680-61501-F-1			T	
680-61501-G-2			T	
200-1636-F-1	ISCO-MW1	SM 2320B	T	
200-1636-G-2	ISCO-MW2	SM 2320B	T	
200-1636-F-3	ISCO-MW3	SM 2320B	T	
200-1636-F-4	ISCO-MW4	SM 2320B	T	
200-1636-F-5	ISCO-MW5	SM 2320B	T	
200-1636-F-5~DU	ISCO-MW5	SM 2320B	T	
CCVPH				
680-61498-F-1			T	
680-61541-G-1			T	
680-61541-G-3			T	
680-61541-G-4			T	
680-61541-G-5			T	
680-61541-G-6			T	
680-61541-G-7			T	
680-61541-G-8			T	
680-61549-D-1			T	
680-61549-D-1~DU			T	

General Chemistry Worksheet

Batch Number: 680-181224

Method: SM 2320B

Analyst: Robinson, Tiffany

Date Open: Sep 27 2010 6:51PM

Batch End: Sep 27 2010 10:04PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCVPH				
680-61549-D-2			T	
680-61564-A-2			T	
560-22235-A-1			T	
680-61468-B-2			T	
ccvph				
LCSD~680-181224/ 32		SM 2320B		

Batch Comment:

n/a

General Chemistry Worksheet

Batch Number: 680-181849

Method: 300.0

Analyst: Brazell, Connie

Date Open: Oct 02 2010 4:13PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	All_Anions_00022	Anion-4_00056	Anion_ICV_00043
CCV~680-181849/1		300.0			5 mL		5 mL	
MB~680-181849/2		300.0			5 mL			
LCS~680-181849/3		300.0			5 mL			5 mL
LCSD~680-181849/4		300.0			5 mL			5 mL
680-61449-M-1			T		5 mL			
680-61449-M-2			T		5 mL			
680-61449-P-3			T		5 mL			
CCV~680-181849/8		300.0			5 mL		5 mL	
CCB~680-181849/9		300.0			5 mL			
680-61501-K-1			T		5 mL			
680-61501-K-1~MS			T		5 mL	50 uL		
680-61501-K-1~MS D			T		5 mL	50 uL		
680-61501-K-2			T		5 mL			
200-1636-G-1	ISCO-MW1	300.0	T		5 mL			
200-1636-G-1~MS	ISCO-MW1	300.0	T	1.0 mL	5 mL	50 uL		
200-1636-F-2	ISCO-MW2	300.0	T		5 mL			
200-1636-G-3	ISCO-MW3	300.0	T		5 mL			
200-1636-G-4	ISCO-MW4	300.0	T		5 mL			
200-1636-G-5	ISCO-MW5	300.0	T		5 mL			
CCV~680-181849/20		300.0			5 mL		5 mL	
CCB~680-181849/21		300.0			5 mL			

Filter Lot #: P/N 038009
 Eluent 1 Lot: SN 100853146019
 Regeneration Solution Lot: N/A
 Ethylenediamine Lot: N/A

General Chemistry Worksheet

Batch Number: 680-181849

Method: 300.0

Analyst: Brazell, Connie

Date Open: Oct 02 2010 4:13PM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCV~680-181849/1		300.0		
MB~680-181849/2		300.0		
LCS~680-181849/3		300.0		
LCSD~680-181849/4		300.0		
680-61449-M-1			T	
680-61449-M-2			T	
680-61449-P-3			T	
CCV~680-181849/8		300.0		
CCB~680-181849/9		300.0		
680-61501-K-1			T	
680-61501-K-1~MS			T	
680-61501-K-1~MS D			T	
680-61501-K-2			T	
200-1636-G-1	ISCO-MW1	300.0	T	
200-1636-G-1~MS	ISCO-MW1	300.0	T	
200-1636-F-2	ISCO-MW2	300.0	T	
200-1636-G-3	ISCO-MW3	300.0	T	
200-1636-G-4	ISCO-MW4	300.0	T	
200-1636-G-5	ISCO-MW5	300.0	T	
CCV~680-181849/20		300.0		
CCB~680-181849/21		300.0		

Batch Comment:

Wrong ICAL ID-LIMs not uploading ICALs correctly

Subcontract Data

Shipping and Receiving Documents

(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

60 LBS

1 OF 1

SHIP TO:

SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403



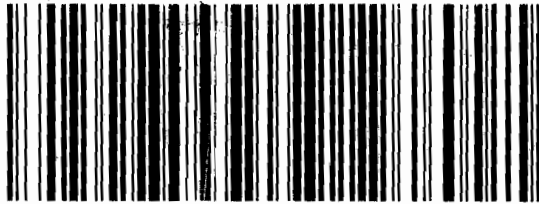
VT 054 0-02



UPS NEXT DAY AIR

TRACKING #: 1Z 083 95E 01 5376 7687

1



BILLING: F/C BILL RECEIVER

WS 12 0.20

LP2644 96.0A 10/2009



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CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 2 of 4

Name (for report and invoice) Kevin Dyson		Samplers Name (Printed) TODD VAIL		Site/Project Identification LAURENCE AVIATION	
Company PANTHER TECHNOLOGIES		P.O. #		State (Location of site): NJ: ☐ NY: ☒ Other: ☐	
Address 220 RT. 70 EAST Suite B		Analysis Turnaround Time Standard ☒ Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐		Regulatory Program:	
City MEDFORD		State NJ		LAB USE ONLY	
Phone 609 714 2420		Fax 609 714 2495		Project No:	
Sample Identification		Date	Time	Matrix	No. of Cont.
ISCO MW-2	9-18-10	12:50	GW	1	
ISCO MW-2	9-18-10	12:50	GW	1	
ISCO MW-2	9-18-10	12:50	GW	1	
ISCO MW-2	9-18-10	12:50	GW	1	
ISCO MW-2	9-18-10	12:50	GW	1	
ISCO MW-3	9-18-10	16:30	GW	1	
ISCO MW-3	9-18-10	16:30	GW	1	
ISCO MW-3	9-18-10	16:30	GW	1	
ISCO MW-3	9-18-10	16:30	GW	1	
ISCO MW-3	9-18-10	16:30	GW	1	
ISCO MW-3	9-18-10	16:30	GW	1	
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH 6 = Other, 7 = Other					

Special Instructions

Relinquished by Todd Vail	Company PANTHER TECH	Date / Time 9/19 13:00	Received by Todd Vail	Company PANTHER TECH	Water Metals Filtered (Yes/No)?
Relinquished by Carla O'Leary	Company TAECHER	Date / Time 9/20/10 1745	Received by Todd Vail	Company PANTHER TECH	
Relinquished by	Company	Date / Time	Received by	Company	
Relinquished by	Company	Date / Time	Received by	Company	
Relinquished by	Company	Date / Time	Received by	Company	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

Massachusetts (M-NJ312), North Carolina (No. 578)

TAL-0016 (0409)

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 3 of 4

Name (for report and invoice)		Samplers Name (Printed)		Site/Project Identification	
REVIN DYSON		TODD VAEL		LAURENCE AVIATION	
Company		P.O. #		State (Location of site): NJ: ☐ NY: ☒ Other:	
PANTHER TECH				Regulatory Program:	
Address		Analysis Turnaround Time		LAB USE ONLY	
220 RT. 70 East Suite B		Standard ☒ Rush Charges Authorized For:		Project No:	
City MEDFORD		2 Week ☐ 1 Week ☐ Other ☐		Job No:	
State N.J.				Sample Numbers	
Phone 609 714 2420 Fax 609 714 2495					
Sample Identification	Date	Time	Matrix	No. of Cont.	
ISCO MW-3	9-18-10	16:30	GW	3	
ISCO MW-3	9-18-10	16:30	GW	1	
ISCO MW-7	9-18-10	16:30	GW	1	
ISCO MW-5	9-19-10	10:00	GW	3	
ISCO-MW-5	9-19-10	10:00	GW	1	
ISCO-MW-5	9-19-10	10:00	GW	1	
ISCO-MW-5	9-19-10	10:00	GW	1	
ISCO-MW-5	9-19-10	10:00	GW	1	
ISCO-MW-10	9-19-10	10:00	GW	1	
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH					Soil:
6 = Other _____, 7 = Other _____					Water:

Special Instructions		Water Metals Filtered (Yes/No)?	
Relinquished by	Company	Date / Time	Received by
Todd Vail	Panther Tech	9/19/10 13:00	1) [Signature]
Relinquished by	Company	Date / Time	Received by
Michelle C. Carter	TAC'd. son	9/20/10 17:45	2) 9/20/10 9:30 AM
Relinquished by	Company	Date / Time	Received by
3)			3) 5-3
Relinquished by	Company	Date / Time	Received by
4)			4) 9/21/10 10:05

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0408)

CHAIN OF CUSTODY / ANALYSIS REQUEST

Special Instructions			Water Metals Filtered (Yes/No)?	
Relinquished by	Company	Date / Time	Received by	Company
1) Todd Vail	Panther Tech	9/19, 13:00	<i>[Signature]</i>	9/21/10
2) Linda A. Carter	FTC Inc	9/20/10 17:15	<i>[Signature]</i>	Company
Relinquished by	Company	Date / Time	Received by	Company
3)			<i>[Signature]</i>	
Relinquished by	Company	Date / Time	Received by	Company
4)			<i>[Signature]</i>	9/21/10 1005

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

TAL - 0016 (0408)

CHAIN OF CUSTODY / ANALYSIS REQUEST

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Name (for report and invoice)	Sampplers Name (Printed)	Site Project Identification
KAREN DYSON Company: PANTHER TECHNOLOGIES	TODD KASSEL P.O.#	LAWRENCE AVIATION NJ: NY: Other:
Address: 200 Rt. 70 East Suite B City: MEDFORD N.J.	P.O.#	State (Location of site): NJ: NY: Other:
Phone: 609 714 2420 Fax: 609 714 2495		Regulatory Program:
Sample Identification	Date	No. of Cont.
ISCO - MW-1	9-18-10	3
ISCO - MW-1	9-18-10	1
ISCO - MW-1	9-18-10	1
ISCO - MW-1	9-18-10	1
ISCO - MW-1	9-18-10	1
~~ISCO - MW-1~~	~~9-18-10~~	~~1~~
ISCO MW-1	9-18-10	1
ISCO MW-1	9-18-10	1
ISCO MW-2	9-18-10	3
ISCO MW-7	9-18-10	1

Preservation Used: 1 = ICE, 2 = HCl, 3 = H₂SO₄, 4 = HNO₃, 5 = NaOH, 6 = Other, 7 = Other

Soil: Water:

Water Metals Filtered (Yes/No)?

2040-1636

Special Instructions

Relinquished by	Company	Date / Time	Received by	Company
Todd Vail	Panther Tech	9/1/19	[Signature]	9/20/19 3:30 Am
Relinquished by	Company	Date / Time	Received by	Company
Timothy Clark	TA Edison	9/20/19 PM 7	21 Breen G. Doughty	9/22/19 02:00
Relinquished by	Company	Date / Time	Received by	Company
[Signature]	TA	09/20/19 16:50	[Signature]	TA 9/21/19 10:05
Relinquished by	Company	Date / Time	Received by	Company
[Signature]	Company		[Signature]	5:30 PM

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

Massachusetts (M-NJ312), North Carolina (No. 578)

TEJAN (OTG) (1498)

CHAIN OF CUSTODY / ANALYSIS REQUEST

THE LEADER IN ENVIRONMENTAL TESTING

Page 2 of 4

Name (for report and invoice) KEVIN DYSON		Samplers Name (Printed) TODD VAIL		Site/Project Identification LAURENCE AVIATION	
Company PANTHER TECHNOLOGIES		P.O. #		State (Location of site): NJ: ☐ NY: ☒ Other: ☐	
Address 220 RT 70 EAST SUITE B		Analysis Turnaround Time Standard ☒ Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐		Regulatory Program:	
City MEDFORD		State NJ		LAB USE ONLY	
Phone 609 714 2420		Fax 609 714 2495		Project No:	
Sample Identification		Date	Time	Matrix	No. of Cont.
ISCO MW-2	9-18-10	12:50	GW	1	
ISCO MW-2	9-18-10	12:50	GW	1	
ISCO MW-2	9-18-10	12:50	GW	1	
ISCO MW-2	9-18-10	12:50	GW	1	
ISCO MW-2	9-18-10	12:50	GW	1	
ISCO MW-3	9-18-10	16:30	GW	1	
ISCO MW-3	9-18-10	16:30	GW	1	
ISCO MW-3	9-18-10	16:30	GW	1	
ISCO MW-3	9-18-10	16:30	GW	1	
ISCO MW-3	9-18-10	16:30	GW	1	
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH 6 = Other 7 = Other					

Water Metals Filtered (Yes/No)? **200-1636**

Relinquished by Todd Vail	Company PANTHER TECH	Date / Time 9/19 13:00	Received by Pump	Company
Relinquished by 2) CAROL COLE	Company TAELINE	Date / Time 9/20/10 17:45	Received by 2) J. K. K.	Company 9:50 am
Relinquished by 3) [Signature]	Company TA	Date / Time 9/21/10 16:50	Received by 4) [Signature]	Company 10:05
Relinquished by 4) [Signature]	Company	Date / Time	Received by	Company TA SAV 9/22/10 10:05

Temp **3.2**

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 3 of 4

THE LEADER IN ENVIRONMENTAL TESTING

Name (for report and invoice)		Samplers Name (Printed)		Site/Project Identification	
KEVIN DYSON		TODD VAIL		LAURENCE AVIATION	
Company		P.O. #		State (Location of site): NJ: ☐ NY: ☒ Other: ☐	
PANTHER TECH				Regulatory Program:	
Address		Analysis Turnaround Time		LAB USE ONLY	
220 RT. 70 East Suite B		Standard ☒ Rush Charges Authorized For:		Project No:	
City MEDFORD		2 Week ☐ 1 Week ☐ Other ☐		Job No:	
Phone 609 714 2420 Fax 609 714 2495		No. of Cont.		Sample Numbers	
Sample Identification	Date	Time	Matrix		
ISCO MW-3	9-18-10	16:30	GW		
ISCO MW-3	9-18-10	16:30	GW		
ISCO MW-7	9-18-10	16:30	GW		
ISCO MW-5	9-19-10	10:00	GW		
ISCO MW-5	9-19-10	10:00	GW		
ISCO MW-5	9-19-10	10:00	GW		
ISCO MW-5	9-19-10	10:00	GW		
ISCO MW-5	9-19-10	10:00	GW		
ISCO MW-10	9-19-10	10:00	GW		

Preservation Used: 1 = ICE, 2 = HCl, 3 = H₂SO₄, 4 = HNO₃, 5 = NaOH
6 = Other 7 = Other

Special Instructions		Water Metals Filtered (Yes/No)?	
Relinquished by	Company	Date / Time	Received by
Todd Vail	Panther Tech	9/19/10 13:00	1) [Signature]
Relinquished by	Company	Date / Time	Received by
Kevin Dyson	TACILSON	9/20/10 17:45	2) [Signature]
Relinquished by	Company	Date / Time	Received by
[Signature]	TA	9/20/10 16:50	3) [Signature]
Relinquished by	Company	Date / Time	Received by
[Signature]	TA	9/20/10 16:50	4) [Signature]

200-1136

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)

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10/06/2010

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 4 of 4

Name (for report and invoice)		Samplers Name (Printed)		Site/Project Identification		LAB USE ONLY	
Company		P.O. #		State (Location of site): NJ: ☐ NY: ☒ Other: ☐		Project No:	
Address		Analysis Turnaround Time		Regulatory Program:		Job No:	
City		Standard ☒ Rush Charges Authorized For:		ANALYSIS REQUEST (ENTER "X" BELOW TO INDICATE REQUEST)		Sample Numbers	
State		2 Week ☐ 1 Week ☐ Other ☐					
Phone		No. of					
Fax		Cont.					
Sample Identification		Time Matrix					
Date							
PANTHER Technologies		TODD PAUL		Newence Aviation			
Kevin Dyson							
220 Route 70 East Suite B							
Medford NJ							
609-714-2420							
609-714-2495							
ISCO MW-10		9-19-10 10:00 GW		✓			
ISCO MW-4		9-19-10 12:10 GW		✓			
ISCO MW-4		9-19-10 12:10 GW		✓			
ISCO MW-4		9-19-10 12:10 GW		✓			
ISCO MW-4		9-19-10 12:10 GW		✓			
ISCO MW-4		9-19-10 12:10 GW		✓			
ISCO-MW4		9-19-10 12:10 GW		✓			

Preservation Used: 1 = ICE, 2 = HCl, 3 = H₂SO₄, 4 = HNO₃, 5 = NaOH

6 = Other

Soil:

Water:

Water Metals Filtered (Yes/No)?

Special Instructions

Relinquished by	Company	Date / Time	Received by	Company
1) Todd Vail	Partho Tech	9/19 / 13:00	1) [Signature]	Partho Tech 9/20/10
2) [Signature]	Partho Tech	9/20 / 17:15	2) [Signature]	Partho Tech
3) [Signature]	TA	9/20 / 16:50	3) [Signature]	Partho Tech 9/22/10 09:37
4) [Signature]	Partho Tech	9/21 / 10:00	4) [Signature]	Partho Tech 10/05

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200) Rhode Island (132).

Massachusetts (M-NJ312), North Carolina (No. 578)

Login Sample Receipt Check List

Client: Panther Technologies

Job Number: 200-1636-1

SDG Number: 200-1636-1

Login Number: 1636

List Source: TestAmerica Burlington

Creator: Keeton, Jamie

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: Panther Technologies

Job Number: 200-1636-1

SDG Number: 200-1636-1

Login Number: 1636

List Source: TestAmerica Savannah

Creator: Daughtry, Beth

List Creation: 09/23/10 01:04 PM

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	