TestAmerica
South Burlington, VT

Extended Data Package

135484

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

January 25, 2010

Mr. Kevin Dyson
Panther Technologies
220 Route 70 East
Suite B
Medford, NJ 08055

Re: Laboratory Project No. 29000
Case: LASS; SDG: 135484

Dear Mr. Dyson:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on January 16th, 2010. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 01/16/10 ETR No: 135484		
817811	ISCO SB-4-S 190'-191'	01/14/10	SOIL
817812	ISCO SB-2-S 192'-193'	01/14/10	SOIL
817813	ISCO SB-2-S 200'-201'	01/14/10	SOIL
817814	ISCO SB-2-S 210'-211'	01/14/10	SOIL
817815	ISCO SB-2-S 220'-221'	01/15/10	SOIL
817816	ISCO SB-2-S 230'-231'	01/15/10	SOIL
817817	ISCO-SB-2-GW193'-194'	01/14/10	WATER
817818	ISCO-SB-2-GW200'-201'	01/14/10	WATER
817819	ISCO-SB-2-GW211'-212'	01/14/10	WATER
817820	FB100114	01/14/10	WATER
817821	TB100114	01/14/10	WATER
817822	ISCO-SB-2-GW221'-222'	01/15/10	WATER
817823	ISCO-SB-2-GW231'-232'	01/15/10	WATER
817824	FB100115	01/15/10	WATER
817825	VHBLK01	01/16/10	WATER
817826	VHBLK02		SOIL

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

In order to accommodate field length limitations in processing the data summary forms, the laboratory did, in certain instances, abbreviate the sample identifier. The electronically formatted data provides for the full sample identifier.

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EPA SOM01.2 Volatile Organics (Low Level Soil)

A storage blank was prepared for the low level volatile organics analysis, and stored in association with the sample volumes. That storage blank, identified as VHBLK02, was carried through the holding period and analyzed with the samples.

Each of the analyses associated with the sample set exhibited an acceptable internal standard performance. There was an acceptable recovery of each deuterated monitoring compound (DMC) in the analysis of each method blank associated with the analytical work, and in the analysis of the storage blank associated with the sample set. Each analysis of samples in this sample set did meet the technical acceptance criteria specific to DMC recoveries, although not all DMC recoveries were within the established control range. The method allowance criteria provides for the recovery of up to three DMCs, exclusive of 1,4-dioxane-d_8, to be outside the control range in the analysis of field samples. Matrix spike and matrix spike duplicate analyses were not performed on the samples in this sample set. The analysis of the storage blank associated with analytical work was free of analyte contamination. Present in the method blank and storage blank analyses was a non-target constituent that represented a compound that is related to the DMC formulation. The fact that the presence of this compound is not within the laboratory's control is at issue. The derived results for that compound have been qualified with an "X" qualifier to reflect the source of the contamination.

The responses for each target analyte met the relative standard deviation criterion in the initial calibration. The response for each target analyte met the percent difference criterion in each opening/continuing calibration check acquisition. The response for each target analyte met the 50.0 percent difference criterion in the closing calibration check acquisition. In each of the acquisitions associated with the initial calibration and the calibration checks, the responses for 1,4-dioxane and 1,4-dioxane-d_8 did not meet the minimum response factor criterion of 0.005.

EPA SOM01.2 Volatile Organics (Trace Level Water)

A storage blank was prepared for volatile organics analysis, and stored in association with the samples. That storage blank, identified as VHBLK01, was carried through the holding period with the samples, and analyzed.

There was an acceptable internal standard performance in each of the analyses associated with the samples, including the method blanks and storage blank analyses. There was an acceptable recovery of each deuterated monitoring compound (DMC) in the analysis of each method blank associated with the analytical work, and in the analysis of the storage blank associated with the sample set. The analysis of each sample in this sample set did meet the technical acceptance criteria specific to DMC recoveries. The analysis of the method blanks and storage blank associated with the analytical work were free of contamination. Present in each method blank analysis was a non-target constituent related to column bleed. The derived results for that compound have been qualified with an "X" qualifier to reflect the source of the contamination.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release

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THE LEADER IN ENVIRONMENTAL TESTING

of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Sara Goff
Project Manager

TestAmerica Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.

CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P	ICP-AES
MS	ICP-MS
CV	Cold Vapor AA
AS	Semi-Automated Spectrophotometric

Chain of Custody

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Burlington
30 Community Drive, Suite 11
South Burlington, VT 05403 Tel: 802 660 1990

CHAIN OF CUSTODY RECORD

Report to:
Company: PANTHER TECHNOLOGIES, INC.
Address: 220 ROUTE 70 EAST
MEDFORD, NJ 08055
Contact: KEVIN DYSON
Phone: 609 714-2420
Fax: 609 714-2495
Contract/ Quote:

Invoice to:
Company: SAME
Address:
Contact:
Phone:
Fax:

Sampler's Name: JON SIMPSON
Sampler's Signature: Jon Simpson

Proj. No.
Project Name: LAWRENCE AVIATION SUPERFUND SITE

ANALYSIS REQUESTED: TCL VOC's SOM 01.2

Lab Use Only
Due Date:
Temp. of coolers when received (C°): 2.5°C
1 | 2 | 3 | 4 | 5
Custody Seal N Y
Intact N Y
Screened For Radioactivity ☐

Matrix[1]	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	No/Type of Containers[2] EnCore	A/G 1 Lt.	250 ml	P/O	Lab/Sample ID (Lab Use Only)
S	1/14	1530		X	ISCO SB-4-5 190'-191'	3		1		X
S	1/14	1230		X	ISCO SB-2-5 192'-193'	3		1		
S	1/14	1415		X	ISCO SB-2-5 200'-201'	3		1		
S	1/14	1500		X	ISCO SB-2-5 210'-211'	3		1		
S	1/15	0820		X	ISCO SB-2-5 220'-221'	3		1		
S	1/15	0940		X	ISCO SB-2-5 230'-231'	3		1		↓

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jon Simpson	1/15/10	1600		1/16/10	1015
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Remarks

Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.

[1]Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
[2]Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

TestAmerica Cannot accept verbal changes. Please Fax written changes to (802) 660-1919

TAL-8234(1007)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Burlington
30 Community Drive, Suite 11
South Burlington, VT 05403 Tel: 802 660 1990

CHAIN OF CUSTODY RECORD

Report to:
Company: Parsons Technologies, Inc.
Address: 220 Route 70 East
Medford, NJ 08055
Contact: Kevin Dyson
Phone: (609) 714-2420
Fax: (609) 714-2495
Contract/ Quote:

Invoice to:
Company: Same
Address:
Contact:
Phone:
Fax:

Lab Use Only
Due Date:

Temp. of coolers when received (C°): 2.5°

1	2	3	4	5

Custody Seal N (Y)
Intact N (Y)

Screened For Radioactivity ☐

Sampler's Name: Jon Simpson
Sampler's Signature:

Proj. No.
Project Name: Lawrence Aviation Superfund Site

Matrix[1]	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	No/Type of Containers[2] VOA	A/G 1 Lt.	250 ml	P/O	ANALYSIS REQUESTED: TCL VOC SOM01.2	Lab/Sample ID (Lab Use Only)
W	1/14	1330		X	ISLO-SB-2-GW 193'-194'	3				X	
W	1/14	1500		X	ISLO-SB-2-GW 200'-201'	2					
W	1/14	1600		X	ISLO-SB-2-GW 211'-212'	3					
W	1/14	1520		X	FB100114	3					
W	1/14	1630		X	TB100114	3					
W	1/15	0900		X	ISLO-SB-2-GW 221'-222'	3					
W	1/15	1130		X	ISLO-SB-2-GW 231'-232'	3					
W	1/15	0945		X	FB100115	3					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Remarks
	1/15/10	1600.		1/16/10	1015	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.

[1]Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
[2]Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

TestAmerica Cannot accept verbal changes. Please Fax written changes to (802) 660-1919

TAL-8234(1007)

Sample Report Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.
ISCO SB-4-S 190'-191'

Lab Name: TestAmerica Burlington | Contract: | SDG No.: 135484

Lab Code: TALVT | Case No.: LASS | Lab Sample ID: 817811

Matrix: SOIL | Client: PANTEC | Date Received: 01/16/10

% Solids: 83.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	01/19/10		%	1	0.10	83.0	

Printed on: 01/21/10 03:08 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
ISCO SB-2-S 192'-193'

Lab Name: TestAmerica Burlington | Contract: | SDG No.: 135484

Lab Code: TALVT | Case No.: LASS | Lab Sample ID: 817812

Matrix: SOIL | Client: PANTEC | Date Received: 01/16/10

% Solids: 87.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	01/19/10		%	1	0.10	87.4	

Printed on: 01/21/10 03:08 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
ISCO SB-2-S 200'-201'

Lab Name: TestAmerica Burlington | Contract: | SDG No.: 135484

Lab Code: TALVT | Case No.: LASS | Lab Sample ID: 817813

Matrix: SOIL | Client: PANTEC | Date Received: 01/16/10

% Solids: 82.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	01/19/10		%	1	0.10	82.8	

Printed on: 01/21/10 03:08 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
ISCO SB-2-S 210'-211'

Lab Name: TestAmerica Burlington | Contract: | SDG No.: 135484

Lab Code: TALVT | Case No.: LASS | Lab Sample ID: 817814

Matrix: SOIL | Client: PANTEC | Date Received: 01/16/10

% Solids: 84.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	01/19/10		%	1	0.10	84.6	

Printed on: 01/21/10 03:08 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
ISCO SB-2-S 220'-221'

Lab Name: TestAmerica Burlington | Contract: | SDG No.: 135484

Lab Code: TALVT | Case No.: LASS | Lab Sample ID: 817815

Matrix: SOIL | Client: PANTEC | Date Received: 01/16/10

% Solids: 82.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	01/19/10		%	1	0.10	82.5	

Printed on: 01/21/10 03:08 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
ISCO SB-2-S 230'-231'

Lab Name: TestAmerica Burlington | Contract: | SDG No.: 135484

Lab Code: TALVT | Case No.: LASS | Lab Sample ID: 817816

Matrix: SOIL | Client: PANTEC | Date Received: 01/16/10

% Solids: 83.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	01/19/10		%	1	0.10	83.7	

Printed on: 01/21/10 03:08 PM

Supportive Documentation – Wet Chemistry

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Wet Chemistry Raw Data

Solids, Percent

Percent Solids Determination

Analysis Start Date:	1/19/2010	Oven ID:	2	Analysis End Date:	1/20/2010
Analysis Start Time:	21:00	Time In:	22:00	Analysis End Time:	18:50
Start Analyst:	MNT	Time Out:	18:30	End Analyst:	MNT
Start Analyst Signature:	MNT			End Analyst Signature:	MNT

LAB ID	Dish ID	Dish Weight (g)	Weight of Dish + Wet Sample (g)	Weight of Dish + Dry Sample (g)	Percent Solids (%)	Percent Moisture (%)
817595	31	1.02	8.80	7.33	81.1	19
817596	32	1.01	8.48	7.26	83.7	16
817597	33	1.00	9.66	8.53	87.0	13
817598	34	1.00	10.45	9.51	90.1	10
817599	35	1.02	11.36	9.75	84.4	16
817600	36	0.97	9.15	8.30	89.6	10
817915	37	1.03	13.13	6.88	48.3	52
817916	38	1.01	10.85	6.98	60.7	39
817917	39	0.98	13.62	7.78	53.8	46
817918	40	1.01	11.27	7.32	61.5	39
817374	41	0.99	10.44	6.39	57.1	43
817811	42	0.99	9.86	8.35	83.0	17
817812	43	1.00	8.68	7.71	87.4	13
817813	44	1.00	9.59	8.11	82.8	17
817814	45	0.99	7.50	6.50	84.6	15
817815	46	1.00	10.41	8.76	82.5	18
817816	47	1.02	9.86	8.42	83.7	16
817897	48	1.02	10.24	9.05	87.1	13
817898	49	1.01	9.39	8.40	88.2	12
817899	50	1.03	9.79	8.83	89.0	11
817900	51	1.03	12.49	11.26	89.3	11
817900DP	52	1.02	12.44	11.34	90.4	10
817902	53	1.01	11.19	10.33	91.6	8
817919	54	1.00	12.41	6.47	47.9	52
817920	55	0.99	12.88	9.47	71.3	29

Calculation: Percent Wet Weight = $\frac{\text{Weight of Dry Sample (g)}}{\text{Weight of Wet Sample (g)}} \times 100$

Where:

Weight of Dry Sample = (Weight of Dish + Dry Sample) (g) - Dish Weight (g)

Weight of Wet Sample= (Weight of Dish + Wet Sample) (g) - Dish Weight (g)

QC Summary – SOM01.2 Volatiles

2C - FORM II VOA-3
SOIL VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	VDMC1 (VCL)#	VDMC2 (CLA)#	VDMC3 (DCE)#	VDMC4 (BUT)#	VDMC5 (CLF)#	VDMC6 (DCA)#	VDMC7 (BEN)#
01	VBLKNT	96	98	70	92	91	91	97
02	SB4S190-191	98	98	72	153	94	97	95
03	SB2S192-193	102	102	75	168	96	100	97
04	SB2S200-201	107	105	78	194*	100	107	103
05	SB2S210-211	102	106	76	182	98	103	100
06	SB2S220-221	102	104	75	156	96	100	99
07	SB2S230-231	103	108	77	183*	99	106	101
08	VBLKNU	103	105	76	103	98	103	100
09	VHBLK02	99	100	72	145	97	100	97
10								
11								
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	QC LIMITS
VDMC1 (VCL) = Vinyl chloride-d3	(68-122)
VDMC2 (CLA) = Chloroethane-d5	(61-130)
VDMC3 (DCE) = 1,1-Dichloroethene-d2	(45-132)
VDMC4 (BUT) = 2-Butanone-d5	(20-182)
VDMC5 (CLF) = Chloroform-d	(72-123)
VDMC6 (DCA) = 1,2-Dichloroethane-d4	(79-122)
VDMC7 (BEN) = Benzene-d6	(80-121)

Column to be used to flag recovery values
* Values outside of contract required QC limits

2D - FORM II VOA-4
SOIL VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	VDMC8 (DPA)#	VDMC9 (TOL)#	VDMC10 (TDP)#	VDMC11 (HEX)#	VDMC12 (DXE)#	VDMC13 (TCA)#	VDMC14 (DCZ)#	TOT OUT
01	VBLKNT	87	98	96	89	95	89	92	0
02	SB4S190-191	85	97	97	155	77	89	95	0
03	SB2S192-193	106	101	100	169	111	95	98	0
04	SB2S200-201	116	106	107	193*	97	103	103	2
05	SB2S210-211	111	102	102	181	72	98	101	0
06	SB2S220-221	86	102	100	159	100	94	99	0
07	SB2S230-231	90	105	105	175	112	103	102	1
08	VBLKNU	90	100	101	98	102	94	99	0
09	VHBLK02	114	99	101	137	106	96	99	0
10									
11									
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	QC LIMITS
VDMC8 (DPA) = 1,2-Dichloropropane-d6	(74-124)
VDMC9 (TOL) = Toluene-d8	(78-121)
VDMC10 (TDP) = trans-1,3-Dichloropropene-d4	(72-130)
VDMC11 (HEX) = 2-Hexanone-d5	(17-184)
VDMC12 (DXE) = 1,4-Dioxane-d8	(50-150)
VDMC13 (TCA) = 1,1,2,2-Tetrachloroethane-d2	(56-161)
VDMC14 (DCZ) = 1,2-Dichlorobenzene-d4	(70-131)

Column to be used to flag recovery values
* Values outside of contract required QC limits

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLKNT

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Lab File ID: NZAB03D Lab Sample ID: VBLKNT

Instrument ID: N.i

Matrix: (SOIL/SED/WATER) Soil Date Analyzed: 01/19/2010

Level: (TRACE or LOW/MED) LOW Time Analyzed: 0958

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SB4S190-191	817811	817811	1045
02	SB2S192-193	817812	817812	1113
03	SB2S200-201	817813	817813	1141
04	SB2S210-211	817814	817814	1209
05	SB2S220-221	817815	817815	1238
06	SB2S230-231	817816	817816	1306
07				
08				
09				
10				
11				
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COMMENTS:

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLKNU

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Lab File ID: NZAB03E Lab Sample ID: VBLKNU

Instrument ID: N.i

Matrix: (SOIL/SED/WATER) Soil Date Analyzed: 01/19/2010

Level: (TRACE or LOW/MED) LOW Time Analyzed: 2110

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLK02	817826	817826	2151
02				
03				
04				
05				
06				
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09				
10				
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COMMENTS:

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFBNO

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Lab File ID: NZA01PV BFB Injection Date: 01/13/2010

Instrument ID: N.i BFB Injection Time: 1606

GC Column: DB-624 ID: 0.53 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.4
75	30.0 - 80.0% of mass 95	51.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	55.0
175	5.0 - 9.0% of mass 174	3.8 (7.0)1
176	95.0 - 101.0% of mass 174	54.7 (99.4)1
177	5.0 - 9.0% of mass 176	3.8 (6.9)2

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD2.5N0	VSTD2.5N0	NZA005V	01/13/2010	1704
02	VSTD005N0	VSTD005N0	NZA010V	01/13/2010	1732
03	VSTD025N0	VSTD025N0	NZA050V	01/13/2010	1800
04	VSTD050N0	VSTD050N0	NZA100V	01/13/2010	1828
05	VSTD100N0	VSTD100N0	NZA200V	01/13/2010	1856
06					
07					
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19					
20					
21					
22					

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFBNT

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Lab File ID: NZA07PV BFB Injection Date: 01/19/2010

Instrument ID: N.i BFB Injection Time: 0810

GC Column: DB-624 ID: 0.53 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.7
75	30.0 - 80.0% of mass 95	51.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	57.9
175	5.0 - 9.0% of mass 174	4.1 (7.1)1
176	95.0 - 101.0% of mass 174	56.8 (98.1)1
177	5.0 - 9.0% of mass 176	3.8 (6.7)2

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD025NT	VSTD025NT	NZA50DV	01/19/2010	0902
02	VBLKNT	VBLKNT	NZAB03D	01/19/2010	0958
03	SB4S190-191	817811	817811	01/19/2010	1045
04	SB2S192-193	817812	817812	01/19/2010	1113
05	SB2S200-201	817813	817813	01/19/2010	1141
06	SB2S210-211	817814	817814	01/19/2010	1209
07	SB2S220-221	817815	817815	01/19/2010	1238
08	SB2S230-231	817816	817816	01/19/2010	1306
09	VSTD025TN	VSTD025TN	NZA50DC1	01/19/2010	1749
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFBNU

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Lab File ID: NZA08PV BFB Injection Date: 01/19/2010

Instrument ID: N.i BFB Injection Time: 1922

GC Column: DB-624 ID: 0.53 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.6
75	30.0 - 80.0% of mass 95	49.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	58.4
175	5.0 - 9.0% of mass 174	4.0 (6.8)1
176	95.0 - 101.0% of mass 174	57.9 (99.2)1
177	5.0 - 9.0% of mass 176	4.0 (6.9)2

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD025NU	VSTD025NU	NZA050EV	01/19/2010	2014
02	VBLKNU	VBLKNU	NZAB03E	01/19/2010	2110
03	VHBLK02	817826	817826	01/19/2010	2151
04	VSTD025UN	VSTD025UN	NZA50EC1	01/20/2010	0618
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 01/13/2010 01/13/2010

EPA Sample No.(VSTD#####): VSTD025NT Date Analyzed: 01/19/2010

Lab File ID (Standard): NZA50DV Time Analyzed: 0902

Instrument ID: N.i Heated Purge: (Y/N) Y

		IS1(CBZ) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	2628655	13.01	2392034	9.36	1493314	15.73
	UPPER LIMIT	5257310	13.51	4784068	9.86	2986628	16.23
	LOWER LIMIT	1314328	12.51	1196017	8.86	746657	15.23
	EPA SAMPLE NO.						
01	VBLKNT	2261108	13.01	2081980	9.34	1280199	15.74
02	SB4S190-191	2223564	13.01	1986621	9.33	1236507	15.75
03	SB2S192-193	2187193	13.02	1926238	9.35	1205788	15.75
04	SB2S200-201	2101920	13.03	1848460	9.36	1206198	15.75
05	SB2S210-211	2087100	13.02	1834015	9.35	1108422	15.75
06	SB2S220-221	2146930	13.00	1891540	9.34	1207625	15.74
07	SB2S230-231	2045622	13.00	1804639	9.33	1131445	15.74
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 01/13/2010 01/13/2010

EPA Sample No.(VSTD#####): VSTD025NU Date Analyzed: 01/19/2010

Lab File ID (Standard): NZA050EV Time Analyzed: 2014

Instrument ID: N.i Heated Purge: (Y/N) Y

		IS1(CBZ) AREA	#	RT	#	IS2(DFB) AREA	#	RT	#	IS3(DCB) AREA	#	RT	#
	12 HOUR STD	2260833		13.03		1933315		9.36		1372344		15.75	
	UPPER LIMIT	4521666		13.53		3866630		9.86		2744688		16.25	
	LOWER LIMIT	1130416		12.53		966658		8.86		686172		15.25	
	EPA SAMPLE NO.												
01	VBLKNU	2092476		13.01		1839817		9.35		1166290		15.74	
02	VHBLK02	2116182		13.01		1863769		9.36		1192897		15.74	
03													
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

Supportive Documentation – SOM01.2
Volatiles

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2S192-193

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817812

Sample wt/vol: 4.57 (g/mL) g Lab File ID: 817812

Level: (TRACE/LOW/MED) LOW Date Received: 01/16/2010

% Moisture: not dec. 13 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	6.3	U
74-87-3	Chloromethane	6.3	U
75-01-4	Vinyl chloride	6.3	U
74-83-9	Bromomethane	6.3	U
75-00-3	Chloroethane	6.3	U
75-69-4	Trichlorofluoromethane	6.3	U
75-35-4	1,1-Dichloroethene	6.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.3	U
67-64-1	Acetone	13	U
75-15-0	Carbon disulfide	6.3	U
79-20-9	Methyl acetate	6.3	U
75-09-2	Methylene chloride	6.3	U
156-60-5	trans-1,2-Dichloroethene	6.3	U
1634-04-4	Methyl tert-butyl ether	6.3	U
75-34-3	1,1-Dichloroethane	6.3	U
156-59-2	cis-1,2-Dichloroethene	6.3	U
78-93-3	2-Butanone	13	U
74-97-5	Bromochloromethane	6.3	U
67-66-3	Chloroform	6.3	U
71-55-6	1,1,1-Trichloroethane	6.3	U
110-82-7	Cyclohexane	6.3	U
56-23-5	Carbon tetrachloride	6.3	U
71-43-2	Benzene	6.3	U
107-06-2	1,2-Dichloroethane	6.3	U
123-91-1	1,4-Dioxane	130	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2S192-193

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817812

Sample wt/vol: 4.57 (g/mL) g Lab File ID: 817812

Level: (TRACE/LOW/MED) LOW Date Received: 01/16/2010

% Moisture: not dec. 13 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	6.3	U
108-87-2	Methylcyclohexane	6.3	U
78-87-5	1,2-Dichloropropane	6.3	U
75-27-4	Bromodichloromethane	6.3	U
10061-01-5	cis-1,3-Dichloropropene	6.3	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	6.3	U
10061-02-6	trans-1,3-Dichloropropene	6.3	U
79-00-5	1,1,2-Trichloroethane	6.3	U
127-18-4	Tetrachloroethene	6.3	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	6.3	U
106-93-4	1,2-Dibromoethane	6.3	U
108-90-7	Chlorobenzene	6.3	U
100-41-4	Ethylbenzene	6.3	U
95-47-6	o-Xylene	6.3	U
179601-23-1	m,p-Xylene	6.3	U
100-42-5	Styrene	6.3	U
75-25-2	Bromoform	6.3	U
98-82-8	Isopropylbenzene	6.3	U
79-34-5	1,1,2,2-Tetrachloroethane	6.3	U
541-73-1	1,3-Dichlorobenzene	6.3	U
106-46-7	1,4-Dichlorobenzene	6.3	U
95-50-1	1,2-Dichlorobenzene	6.3	U
96-12-8	1,2-Dibromo-3-chloropropane	6.3	U
120-82-1	1,2,4-Trichlorobenzene	6.3	U
87-61-6	1,2,3-Trichlorobenzene	6.3	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB2S192-193

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817812

Sample wt/vol: 4.57 (g/mL) g Lab File ID: 817812

Level: (TRACE or LOW/MED) LOW Date Received: 01/16/2010

% Moisture: not dec. 13 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.82	97	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

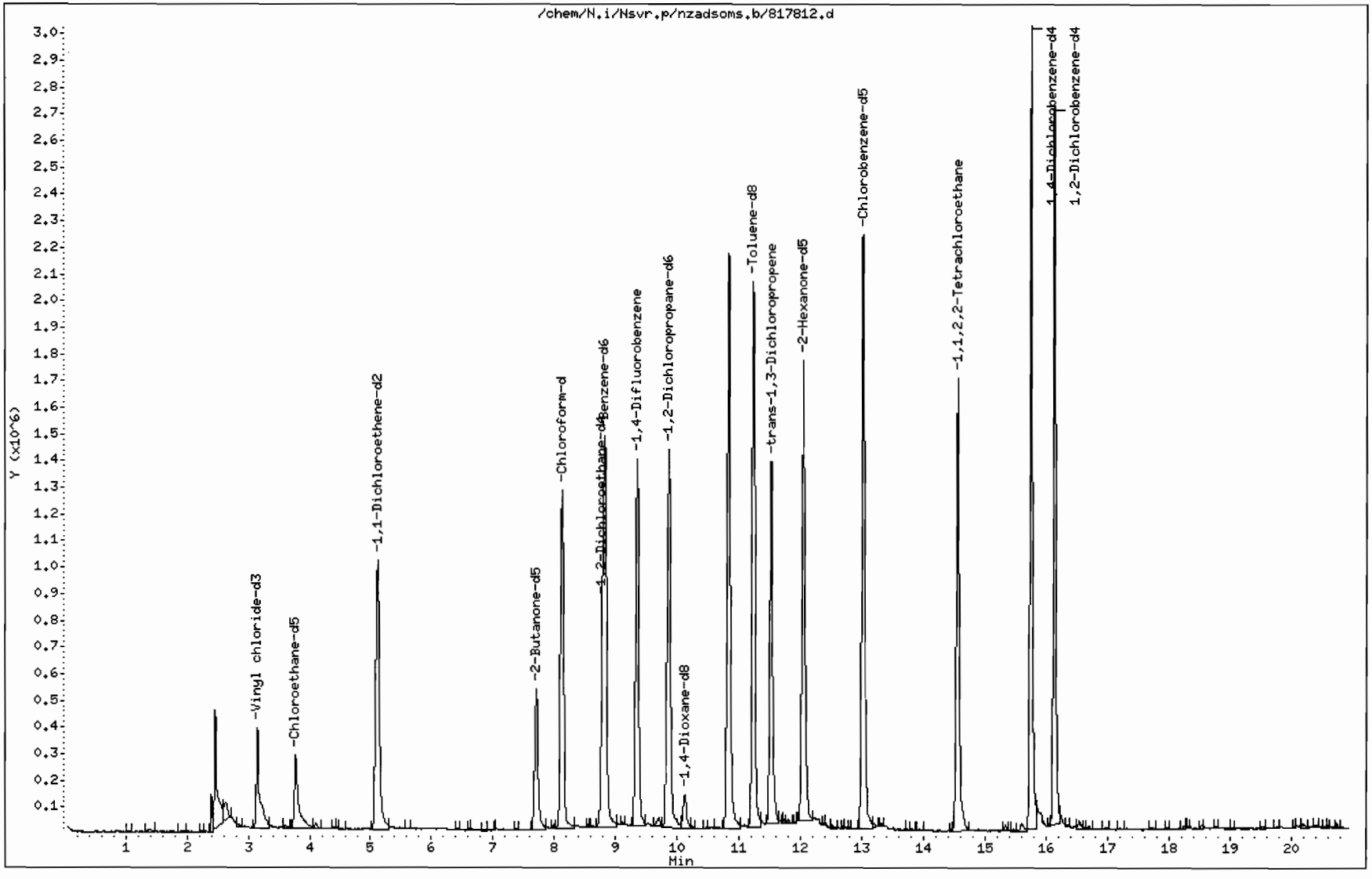
SOM01.2

Data File: /chem/N.i/Nsvr.p/nzadsoms.b/817812.d
Date : 19-JAN-2010 11:13
Client ID: SB2S192-193
Sample Info: ISCO SB-2-S 192'-193':[ ]01/14/10 @1230(SOIL)

Column phase: DB-624

Instrument: N.i

Operator: MRV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzadsoms.b/817812.d
Lab Smp Id: 817812 Client Smp ID: SB2S192-193
Inj Date : 19-JAN-2010 11:13
Operator : MRV Inst ID: N.i
Smp Info : ISCO SB-2-S 192'-193':[ ]01/14/10 @1230(SOIL)
Misc Info : 817812,121609NA,1,4.57
Comment :
Method : /chem/N.i/Nsvr.p/nzadsoms.b/soms4.m
Meth Date : 25-Jan-2010 13:05 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	4.57000	Weight of sample extracted (g)
M	13.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	3.145	3.145	(0.336)	898251	25.5237	64
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	3.776	3.756	(0.404)	731914	25.4627	64
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	5.116	5.116	(0.547)	1683512	18.6987	47
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	Compound Not Detected.					
13	Carbon disulfide	76	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	Compound Not Detected.					
	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	7.707	7.707	(0.824)	1348397	83.9711	210
	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	8.120	8.121	(0.868)	1834643	24.0254	60(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	8.780	8.790	(0.939)	811285	24.8920	63
$	29 Benzene-d6	84	8.830	8.830	(0.678)	2090806	24.2050	61
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	9.352	9.352	(1.000)	1926238	25.0000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.864	9.854	(0.758)	1299751	26.4243	66
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
$	37 1,4-Dioxane-d8	96	10.120	10.111	(1.082)	160055	556.081	1400
	38 1,4-Dioxane	88	Compound Not Detected.					
	39 Bromodichloromethane	83	Compound Not Detected.					
	40 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	41 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	42 Toluene-d8	98	11.224	11.224	(0.862)	2513196	25.2480	64
	43 Toluene	91	Compound Not Detected.					
$	44 trans-1,3-Dichloropropene-d4	79	11.519	11.510	(0.885)	1439478	25.0193	63
	45 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46 1,1,2-Trichloroethane	97	Compound Not Detected.					
	47 Tetrachloroethene	164	Compound Not Detected.					
$	48 2-Hexanone-d5	63	12.041	12.041	(0.925)	1235478	84.6109	210
	49 2-Hexanone	43	Compound Not Detected.					
	50 Dibromochloromethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 Chlorobenzene-d5	117	13.017	13.007	(1.000)	2187193	25.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethylbenzene	91	Compound Not Detected.					
	55 m,p-Xylene	106	Compound Not Detected.					
	56 o-Xylene	106	Compound Not Detected.					
	57 Styrene	104	Compound Not Detected.					
	58 Bromoform	172	Compound Not Detected.					
	59 Isopropylbenzene	105	Compound Not Detected.					
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.544	14.544	(1.117)	1845267	23.7041	60
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
62	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 63	1,4-Dichlorobenzene-d4	152	15.745	15.746	(1.000)	1205788	25.0000	
64	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 65	1,2-Dichlorobenzene-d4	152	16.130	16.120	(1.024)	1094187	24.4098	61
66	1,2-Dichlorobenzene	146	Compound Not Detected.					
67	1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
68	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
69	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/N.i/Nsvr.p/nzadsoms.b/817812.d
Lab Smp Id: 817812 Client Smp ID: SB2S192-193
Inj Date : 19-JAN-2010 11:13
Operator : MRV Inst ID: N.i
Smp Info : ISCO SB-2-S 192'-193':[ ]01/14/10 @1230(SOIL)
Misc Info : 817812,121609NA,1,4.57
Comment :
Method : /chem/N.i/Nsvr.p/nzadsoms.b/soms4.m
Meth Date : 25-Jan-2010 13:05 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	4.57000	Weight of sample extracted (g)
M	13.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	9.352	4848903	25.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.820	7509416	38.7170816	97	0		0	32

Data File: /chem/N.i/Nsvr.p/nzadsoms.b/817812.d

Date : 19-JAN-2010 11:13

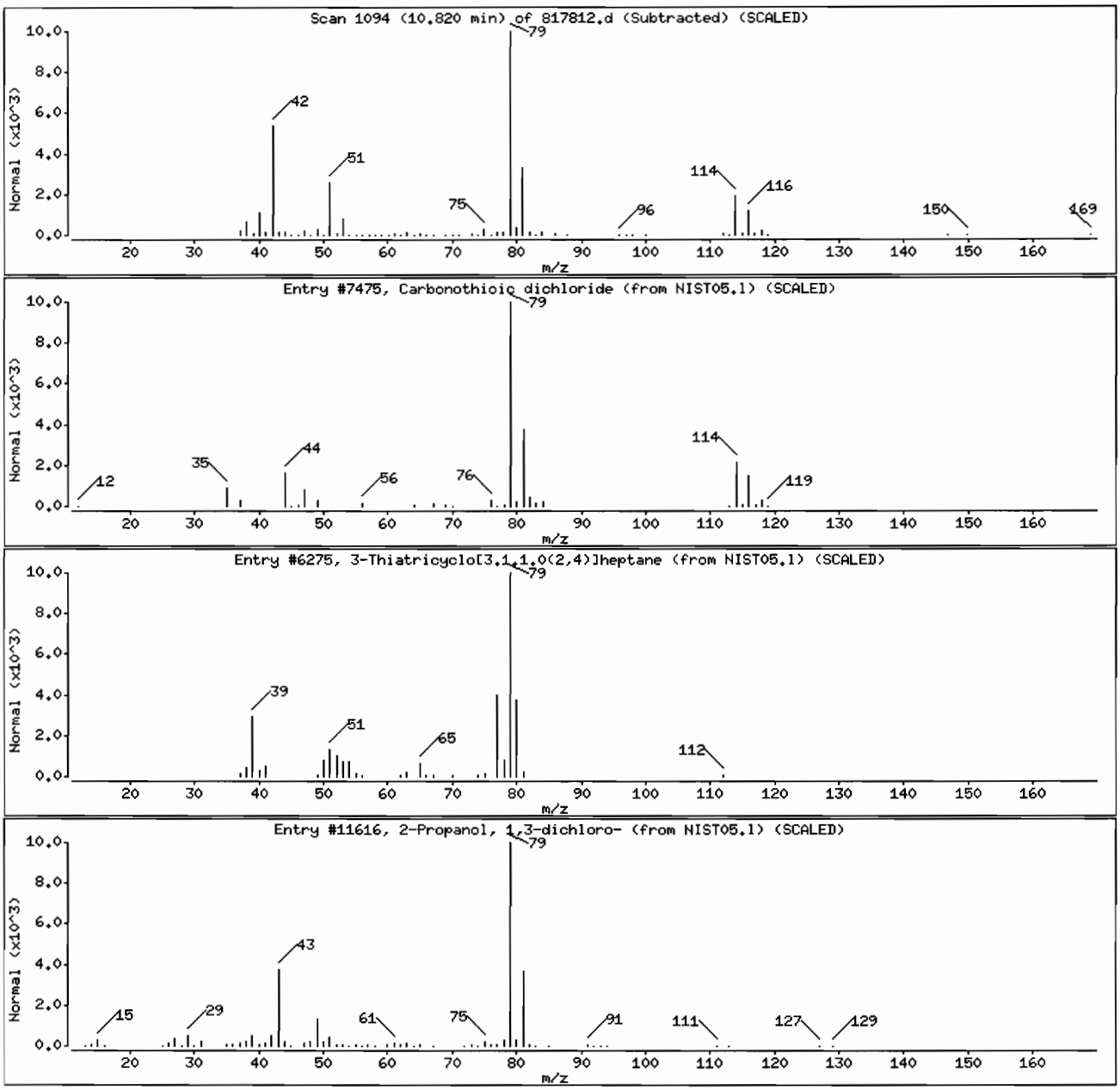
Client ID: SB2S192-193 Instrument: N.i

Sample Info: ISCO SB-2-S 192'-193':[ ]01/14/10 @1230(SOIL)

Operator: MRV

Column phase: DB-624 Column diameter: 0.53

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)]heptane	1000221-37-0	NIST05.1	6275	32	C6H8S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	25	C3H6Cl2O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2S200-201

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817813

Sample wt/vol: 5.19 (g/mL) g Lab File ID: 817813

Level: (TRACE/LOW/MED) LOW Date Received: 01/16/2010

% Moisture: not dec. 17 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.8	U
74-87-3	Chloromethane	5.8	U
75-01-4	Vinyl chloride	5.8	U
74-83-9	Bromomethane	5.8	U
75-00-3	Chloroethane	5.8	U
75-69-4	Trichlorofluoromethane	5.8	U
75-35-4	1,1-Dichloroethene	5.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.8	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	5.8	U
79-20-9	Methyl acetate	5.8	U
75-09-2	Methylene chloride	5.8	U
156-60-5	trans-1,2-Dichloroethene	5.8	U
1634-04-4	Methyl tert-butyl ether	5.8	U
75-34-3	1,1-Dichloroethane	5.8	U
156-59-2	cis-1,2-Dichloroethene	5.8	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	5.8	U
67-66-3	Chloroform	5.8	U
71-55-6	1,1,1-Trichloroethane	5.8	U
110-82-7	Cyclohexane	5.8	U
56-23-5	Carbon tetrachloride	5.8	U
71-43-2	Benzene	5.8	U
107-06-2	1,2-Dichloroethane	5.8	U
123-91-1	1,4-Dioxane	120	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2S200-201

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817813

Sample wt/vol: 5.19 (g/mL) g Lab File ID: 817813

Level: (TRACE/LOW/MED) LOW Date Received: 01/16/2010

% Moisture: not dec. 17 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	5.8	U
108-87-2	Methylcyclohexane	5.8	U
78-87-5	1,2-Dichloropropane	5.8	U
75-27-4	Bromodichloromethane	5.8	U
10061-01-5	cis-1,3-Dichloropropene	5.8	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	5.8	U
10061-02-6	trans-1,3-Dichloropropene	5.8	U
79-00-5	1,1,2-Trichloroethane	5.8	U
127-18-4	Tetrachloroethene	5.8	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	5.8	U
106-93-4	1,2-Dibromoethane	5.8	U
108-90-7	Chlorobenzene	5.8	U
100-41-4	Ethylbenzene	5.8	U
95-47-6	o-Xylene	5.8	U
179601-23-1	m,p-Xylene	5.8	U
100-42-5	Styrene	5.8	U
75-25-2	Bromoform	5.8	U
98-82-8	Isopropylbenzene	5.8	U
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U
541-73-1	1,3-Dichlorobenzene	5.8	U
106-46-7	1,4-Dichlorobenzene	5.8	U
95-50-1	1,2-Dichlorobenzene	5.8	U
96-12-8	1,2-Dibromo-3-chloropropane	5.8	U
120-82-1	1,2,4-Trichlorobenzene	5.8	U
87-61-6	1,2,3-Trichlorobenzene	5.8	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB2S200-201

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817813

Sample wt/vol: 5.19 (g/mL) g Lab File ID: 817813

Level: (TRACE or LOW/MED) LOW Date Received: 01/16/2010

% Moisture: not dec. 17 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

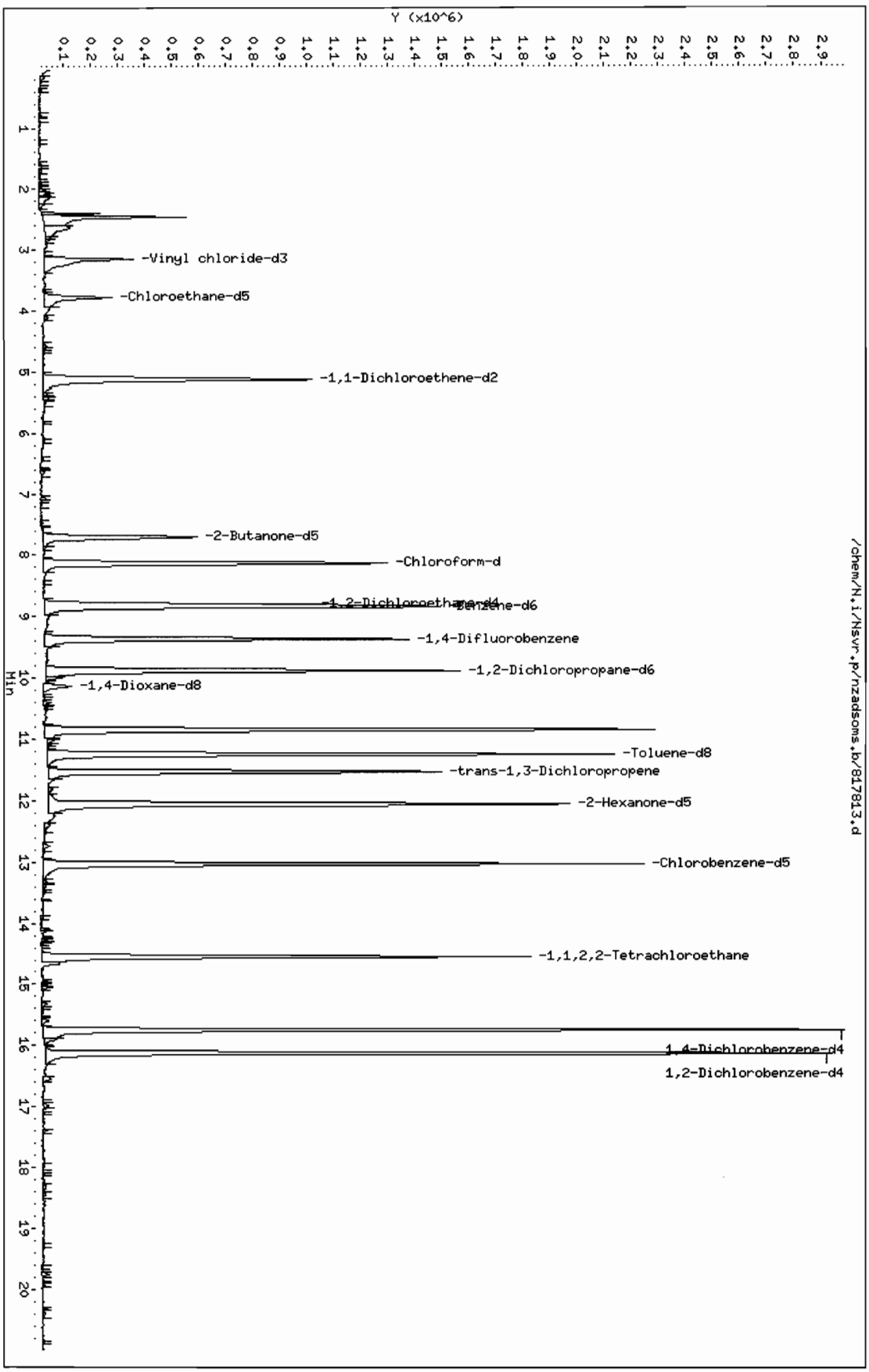
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.84	93	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2


Data File: /chem/N.i/Nsvr.p/nzadsoms.b/817813.d
Date : 19-JAN-2010 11:41
Client ID: SB2S200-201
Sample Info: ISCO SB-2-S 200'-201';[J01/14/10 @1415(SOIL)
Column phase: DB-624
Instrument: N.i
Operator: HRV
Column diameter: 0.53
Y (x10^6)
Min
/chem/N.i/Nsvr.p/nzadsoms.b/817813.d
-Vinyl chloride-d3
-Chloroethane-d5
-1,1-Dichloroethene-d2
-2-Butanone-d5
-Chloroform-d
-1,2-Dichloroethane-d4
-Benzene-d6
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-1,4-Dioxane-d8
-Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
1,4-Dichlorobenzene-d4
1,2-Dichlorobenzene-d4

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzadsoms.b/817813.d
Lab Smp Id: 817813 Client Smp ID: SB2S200-201
Inj Date : 19-JAN-2010 11:41
Operator : MRV Inst ID: N.i
Smp Info : ISCO SB-2-S 200'-201':[ ]01/14/10 @1415(SOIL)
Misc Info : 817813,121609NA,1,5.19
Comment :
Method : /chem/N.i/Nsvr.p/nzadsoms.b/soms4.m
Meth Date : 25-Jan-2010 13:05 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.19000	Weight of sample extracted (g)
M	17.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	3.146	3.145	(0.336)	899678	26.6400	62
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	3.776	3.756	(0.403)	722062	26.1769	61
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	5.116	5.116	(0.546)	1674785	19.3845	45
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	Compound Not Detected.					
13	Carbon disulfide	76	Compound Not Detected.					

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/kg)
	14	Methyl acetate	43	Compound Not Detected.					
	15	Methylene chloride	84	Compound Not Detected.					
	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	7.707	7.707	(0.823)	1498071	97.2175	230(R)
	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	8.131	8.121	(0.868)	1837013	25.0686	58(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	8.800	8.790	(0.940)	839847	26.8526	62
$	29	Benzene-d6	84	8.840	8.830	(0.679)	2131428	25.6763	60
	30	Benzene	78	Compound Not Detected.					
	31	1,2-Dichloroethane	62	Compound Not Detected.					
*	32	1,4-Difluorobenzene	114	9.362	9.352	(1.000)	1848460	25.0000	
	33	Trichloroethene	95	Compound Not Detected.					
$	34	1,2-Dichloropropane-d6	67	9.874	9.854	(0.758)	1374366	29.0748	67
	35	Methylcyclohexane	55	Compound Not Detected.					
	36	1,2-Dichloropropane	63	Compound Not Detected.					
$	37	1,4-Dioxane-d8	96	10.140	10.111	(1.083)	134577	487.236	1100
	38	1,4-Dioxane	88	Compound Not Detected.					
	39	Bromodichloromethane	83	Compound Not Detected.					
	40	cis-1,3-Dichloropropene	75	Compound Not Detected.					
	41	4-Methyl-2-pentanone	43	Compound Not Detected.					
$	42	Toluene-d8	98	11.244	11.224	(0.863)	2542639	26.5801	62
	43	Toluene	91	Compound Not Detected.					
$	44	trans-1,3-Dichloropropene-d4	79	11.529	11.510	(0.885)	1478762	26.7448	62
	45	trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46	1,1,2-Trichloroethane	97	Compound Not Detected.					
	47	Tetrachloroethene	164	Compound Not Detected.					
$	48	2-Hexanone-d5	63	12.051	12.041	(0.925)	1355955	96.6290	220(R)
	49	2-Hexanone	43	Compound Not Detected.					
	50	Dibromochloromethane	129	Compound Not Detected.					
	51	1,2-Dibromoethane	107	Compound Not Detected.					
*	52	Chlorobenzene-d5	117	13.027	13.007	(1.000)	2101920	25.0000	
	53	Chlorobenzene	112	Compound Not Detected.					
	54	Ethylbenzene	91	Compound Not Detected.					
	55	m,p-Xylene	106	Compound Not Detected.					
	56	o-Xylene	106	Compound Not Detected.					
	57	Styrene	104	Compound Not Detected.					
	58	Bromoform	172	Compound Not Detected.					
	59	Isopropylbenzene	105	Compound Not Detected.					
$	60	1,1,2,2-Tetrachloroethane-d2	84	14.544	14.544	(1.116)	1929981	25.7981	60
	61	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
62	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 63	1,4-Dichlorobenzene-d4	152	15.746	15.746	(1.000)	1206198	25.0000	
64	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 65	1,2-Dichlorobenzene-d4	152	16.130	16.120	(1.024)	1149743	25.6404	60
66	1,2-Dichlorobenzene	146	Compound Not Detected.					
67	1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
68	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
69	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzadsoms.b/817813.d
Lab Smp Id: 817813 Client Smp ID: SB2S200-201
Inj Date : 19-JAN-2010 11:41
Operator : MRV Inst ID: N.i
Smp Info : ISCO SB-2-S 200'-201':[ ]01/14/10 @1415(SOIL)
Misc Info : 817813,121609NA,1,5.19
Comment :
Method : /chem/N.i/Nsvr.p/nzadsoms.b/soms4.m
Meth Date : 25-Jan-2010 13:05 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.19000	Weight of sample extracted (g)
M	17.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	9.362	4685813	25.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.840	7544144	40.2499167	93	0		0	32

Data File: /chem/N.i/Nsvr.p/nzadsoms.b/817813.d

Date : 19-JAN-2010 11:41

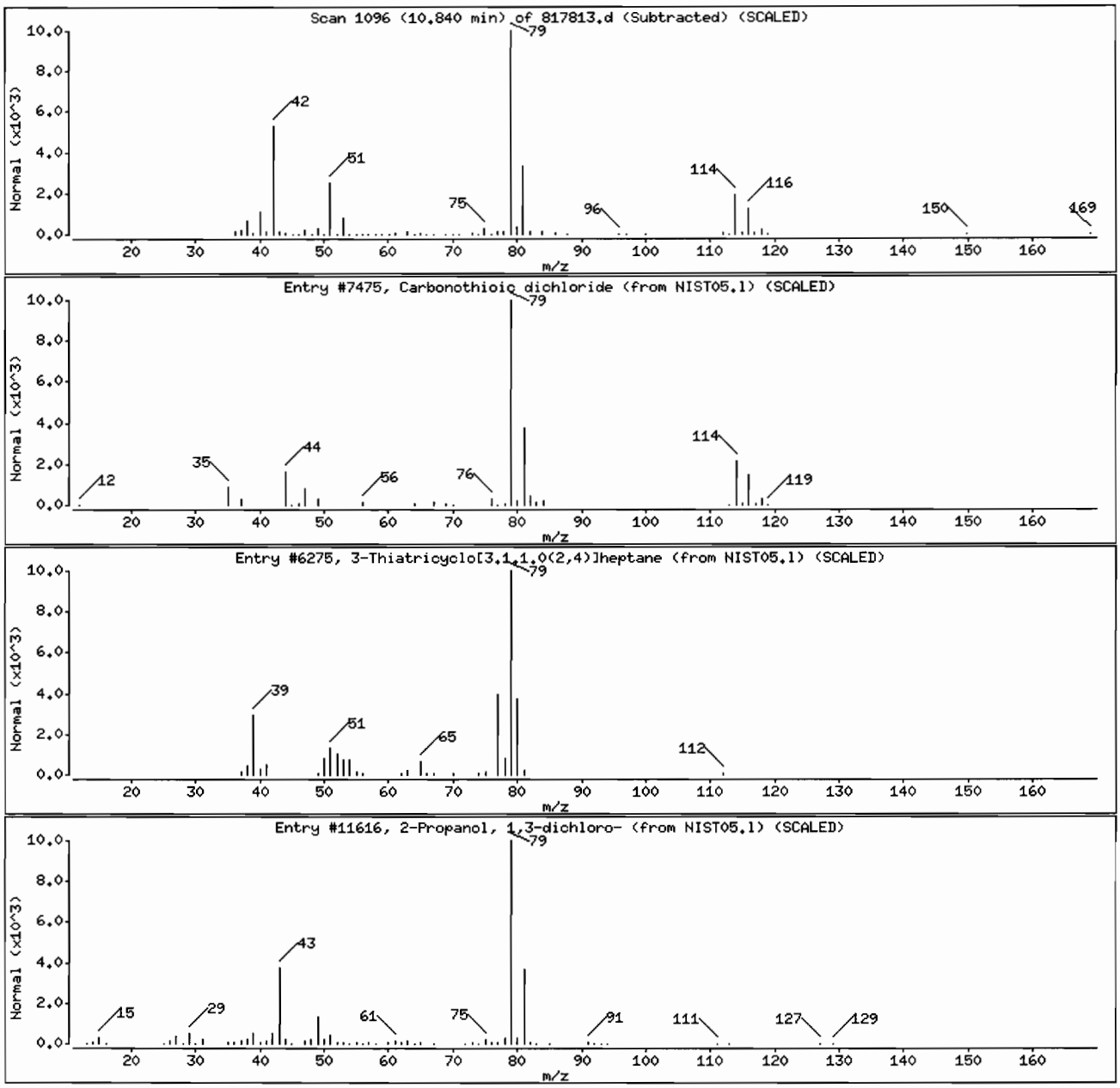
Client ID: SB2S200-201 Instrument: N.i

Sample Info: ISCO SB-2-S 200'-201':[ ]01/14/10 @1415(SOIL)

Operator: MRV

Column phase: DB-624 Column diameter: 0.53

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)]heptane	1000221-37-0	NIST05.1	6275	32	C6H8S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	25	C3H6Cl2O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2S210-211

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817814

Sample wt/vol: 5.60 (g/mL) g Lab File ID: 817814

Level: (TRACE/LOW/MED) LOW Date Received: 01/16/2010

% Moisture: not dec. 15 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.3	U
74-87-3	Chloromethane	5.3	U
75-01-4	Vinyl chloride	5.3	U
74-83-9	Bromomethane	5.3	U
75-00-3	Chloroethane	5.3	U
75-69-4	Trichlorofluoromethane	5.3	U
75-35-4	1,1-Dichloroethene	5.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U
67-64-1	Acetone	6.0	J
75-15-0	Carbon disulfide	5.3	U
79-20-9	Methyl acetate	5.3	U
75-09-2	Methylene chloride	5.3	U
156-60-5	trans-1,2-Dichloroethene	5.3	U
1634-04-4	Methyl tert-butyl ether	5.3	U
75-34-3	1,1-Dichloroethane	5.3	U
156-59-2	cis-1,2-Dichloroethene	5.3	U
78-93-3	2-Butanone	11	U
74-97-5	Bromochloromethane	5.3	U
67-66-3	Chloroform	5.3	U
71-55-6	1,1,1-Trichloroethane	5.3	U
110-82-7	Cyclohexane	5.3	U
56-23-5	Carbon tetrachloride	5.3	U
71-43-2	Benzene	5.3	U
107-06-2	1,2-Dichloroethane	5.3	U
123-91-1	1,4-Dioxane	110	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2S210-211

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817814

Sample wt/vol: 5.60 (g/mL) g Lab File ID: 817814

Level: (TRACE/LOW/MED) LOW Date Received: 01/16/2010

% Moisture: not dec. 15 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	5.3	U
108-87-2	Methylcyclohexane	5.3	U
78-87-5	1,2-Dichloropropane	5.3	U
75-27-4	Bromodichloromethane	5.3	U
10061-01-5	cis-1,3-Dichloropropene	5.3	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	5.3	U
10061-02-6	trans-1,3-Dichloropropene	5.3	U
79-00-5	1,1,2-Trichloroethane	5.3	U
127-18-4	Tetrachloroethene	5.3	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	5.3	U
106-93-4	1,2-Dibromoethane	5.3	U
108-90-7	Chlorobenzene	5.3	U
100-41-4	Ethylbenzene	5.3	U
95-47-6	o-Xylene	5.3	U
179601-23-1	m,p-Xylene	5.3	U
100-42-5	Styrene	5.3	U
75-25-2	Bromoform	5.3	U
98-82-8	Isopropylbenzene	5.3	U
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U
541-73-1	1,3-Dichlorobenzene	5.3	U
106-46-7	1,4-Dichlorobenzene	5.3	U
95-50-1	1,2-Dichlorobenzene	5.3	U
96-12-8	1,2-Dibromo-3-chloropropane	5.3	U
120-82-1	1,2,4-Trichlorobenzene	5.3	U
87-61-6	1,2,3-Trichlorobenzene	5.3	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB2S210-211

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817814

Sample wt/vol: 5.60 (g/mL) g Lab File ID: 817814

Level: (TRACE or LOW/MED) LOW Date Received: 01/16/2010

% Moisture: not dec. 15 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	2.67	7.1	J
02		Unknown	10.84	82	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

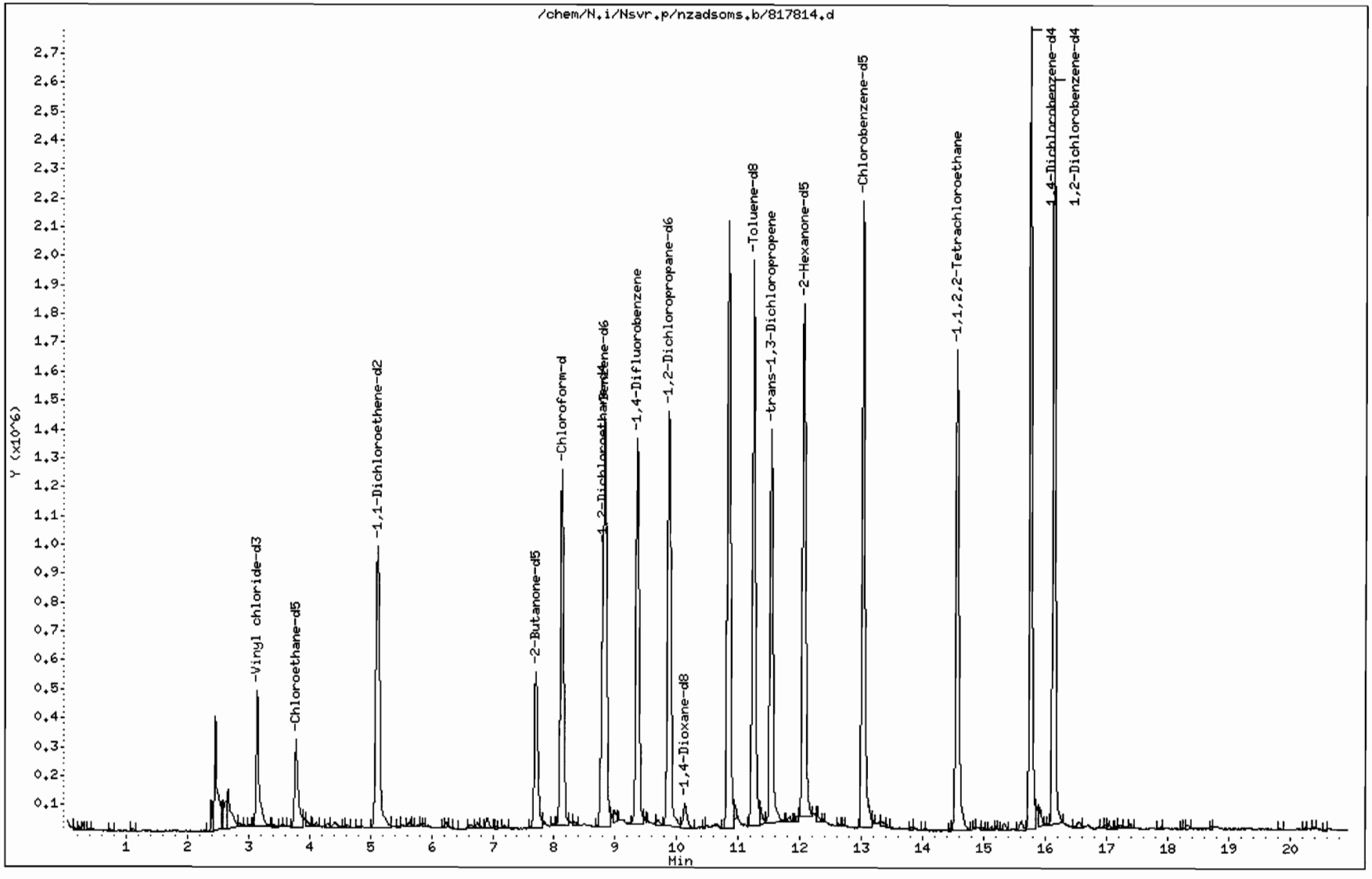
SOM01.2

Data File: /chem/N.i/Nsvr.p/nzadsoms.b/817814.d
Date : 19-JAN-2010 12:09
Client ID: SB2S210-211
Sample Info: ISCO SB-2-S 210'-211':[ ]01/14/10 @1500(SOIL)

Column phase: DB-624

Instrument: N.i

Operator: MRV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzadsoms.b/817814.d
Lab Smp Id: 817814 Client Smp ID: SB2S210-211
Inj Date : 19-JAN-2010 12:09
Operator : MRV Inst ID: N.i
Smp Info : ISCO SB-2-S 210'-211':[ ]01/14/10 @1500(SOIL)
Misc Info : 817814,121609NA,1,5.60
Comment :
Method : /chem/N.i/Nsvr.p/nzadsoms.b/soms4.m
Meth Date : 25-Jan-2010 13:05 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.60000	Weight of sample extracted (g)
M	15.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	3.146	3.145	(0.336)	855635	25.5354	54
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	3.786	3.756	(0.405)	724088	26.4571	56
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	5.116	5.116	(0.547)	1625882	18.9667	40
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	5.234	5.244	(0.560)	29353	2.83756	6.0(a)
13	Carbon disulfide	76	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	Compound Not Detected.					
	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	7.697	7.707	(0.823)	1391479	91.0114	190(R)
	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	8.121	8.121	(0.868)	1783441	24.5293	52(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	8.791	8.790	(0.940)	798695	25.7380	54
$	29 Benzene-d6	84	8.830	8.830	(0.678)	2051370	24.8873	52
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	9.352	9.352	(1.000)	1834015	25.0000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.865	9.854	(0.758)	1301196	27.7223	58
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
$	37 1,4-Dioxane-d8	96	10.131	10.111	(1.083)	99060	361.472	760
	38 1,4-Dioxane	88	Compound Not Detected.					
	39 Bromodichloromethane	83	Compound Not Detected.					
	40 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	41 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	42 Toluene-d8	98	11.234	11.224	(0.863)	2433600	25.6209	54
	43 Toluene	91	Compound Not Detected.					
$	44 trans-1,3-Dichloropropene-d4	79	11.530	11.510	(0.886)	1399928	25.4988	54
	45 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46 1,1,2-Trichloroethane	97	Compound Not Detected.					
	47 Tetrachloroethene	164	Compound Not Detected.					
$	48 2-Hexanone-d5	63	12.052	12.041	(0.926)	1264173	90.7280	190
	49 2-Hexanone	43	Compound Not Detected.					
	50 Dibromochloromethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 Chlorobenzene-d5	117	13.017	13.007	(1.000)	2087100	25.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethylbenzene	91	Compound Not Detected.					
	55 m,p-Xylene	106	Compound Not Detected.					
	56 o-Xylene	106	Compound Not Detected.					
	57 Styrene	104	Compound Not Detected.					
	58 Bromoform	172	Compound Not Detected.					
	59 Isopropylbenzene	105	Compound Not Detected.					
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.554	14.544	(1.118)	1815446	24.4394	51
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
62	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 63	1,4-Dichlorobenzene-d4	152	15.746	15.746	(1.000)	1108422	25.0000	
64	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 65	1,2-Dichlorobenzene-d4	152	16.130	16.120	(1.024)	1035879	25.1389	53
66	1,2-Dichlorobenzene	146	Compound Not Detected.					
67	1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
68	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
69	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzadsoms.b/817814.d
Lab Smp Id: 817814 Client Smp ID: SB2S210-211
Inj Date : 19-JAN-2010 12:09
Operator : MRV Inst ID: N.i
Smp Info : ISCO SB-2-S 210'-211':[ ]01/14/10 @1500(SOIL)
Misc Info : 817814,121609NA,1,5.60
Comment :
Method : /chem/N.i/Nsvr.p/nzadsoms.b/soms4.m
Meth Date : 25-Jan-2010 13:05 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.60000	Weight of sample extracted (g)
M	15.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	9.352	4602425	25.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
2.673	622662	3.38224905	7.1	0		0	32
Unknown				CAS #:			
10.840	7188813	39.0490426	82	0		0	32

Data File: /chem/N.i/Nsvr.p/nzadsoms.b/817814.d

Date : 19-JAN-2010 12:09

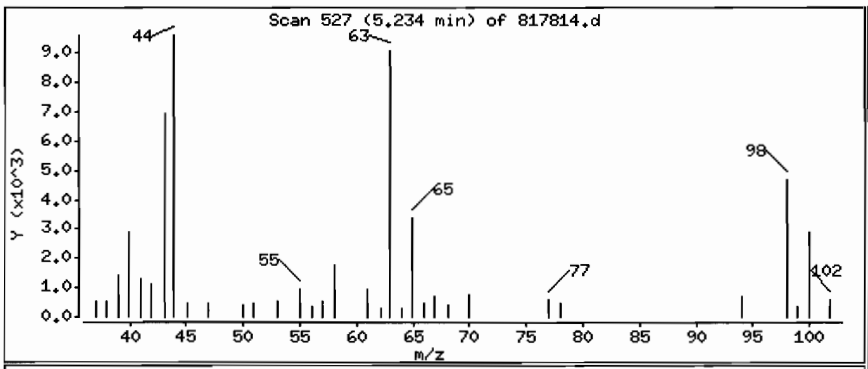
Client ID: SB2S210-211 Instrument: N.i

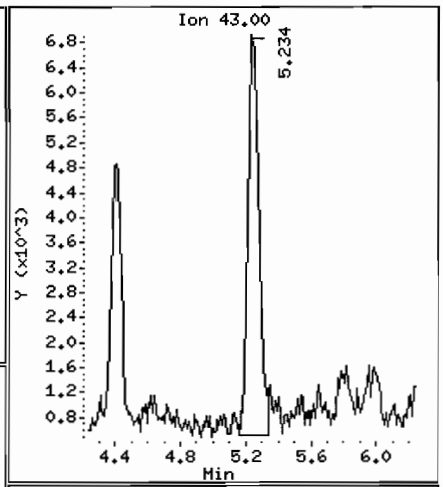
Sample Info: ISCO SB-2-S 210'-211':[ ]01/14/10 @1500(SOIL)

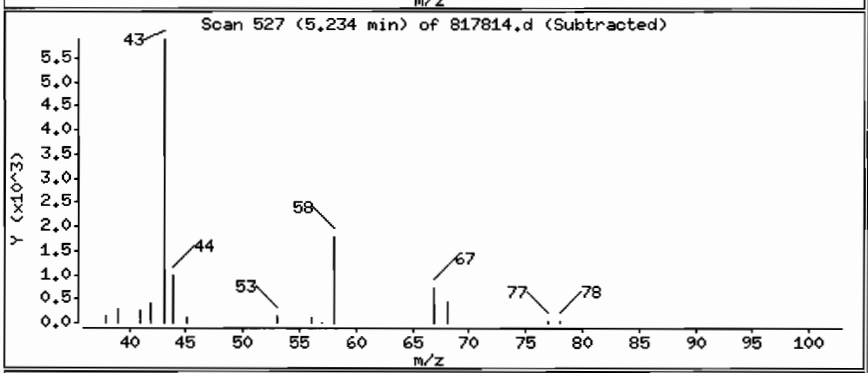
Operator: MRV

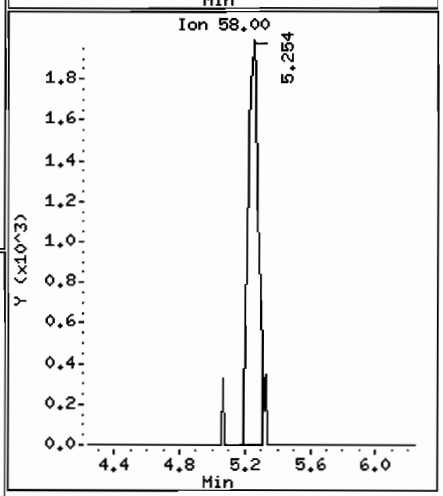
Column phase: DB-624 Column diameter: 0.53

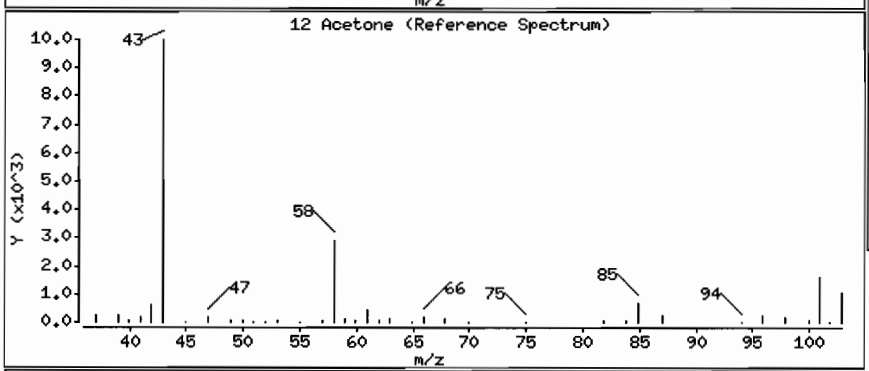
12 Acetone Concentration: 6.0 ug/kg

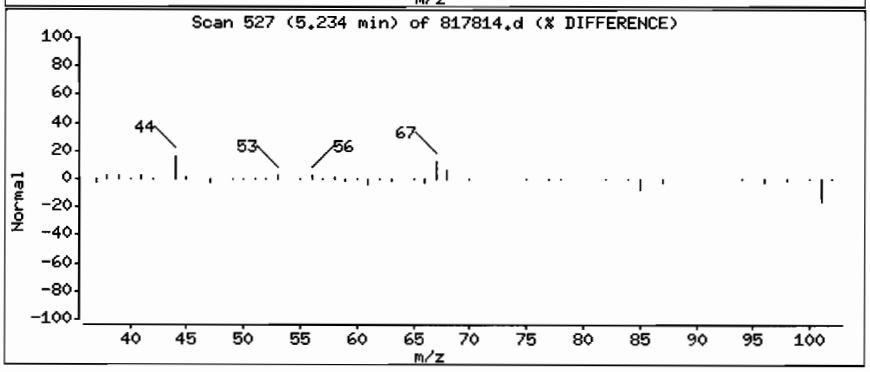












Data File: /chem/N.i/Nsvr.p/nzadsoms.b/817814.d

Date : 19-JAN-2010 12:09

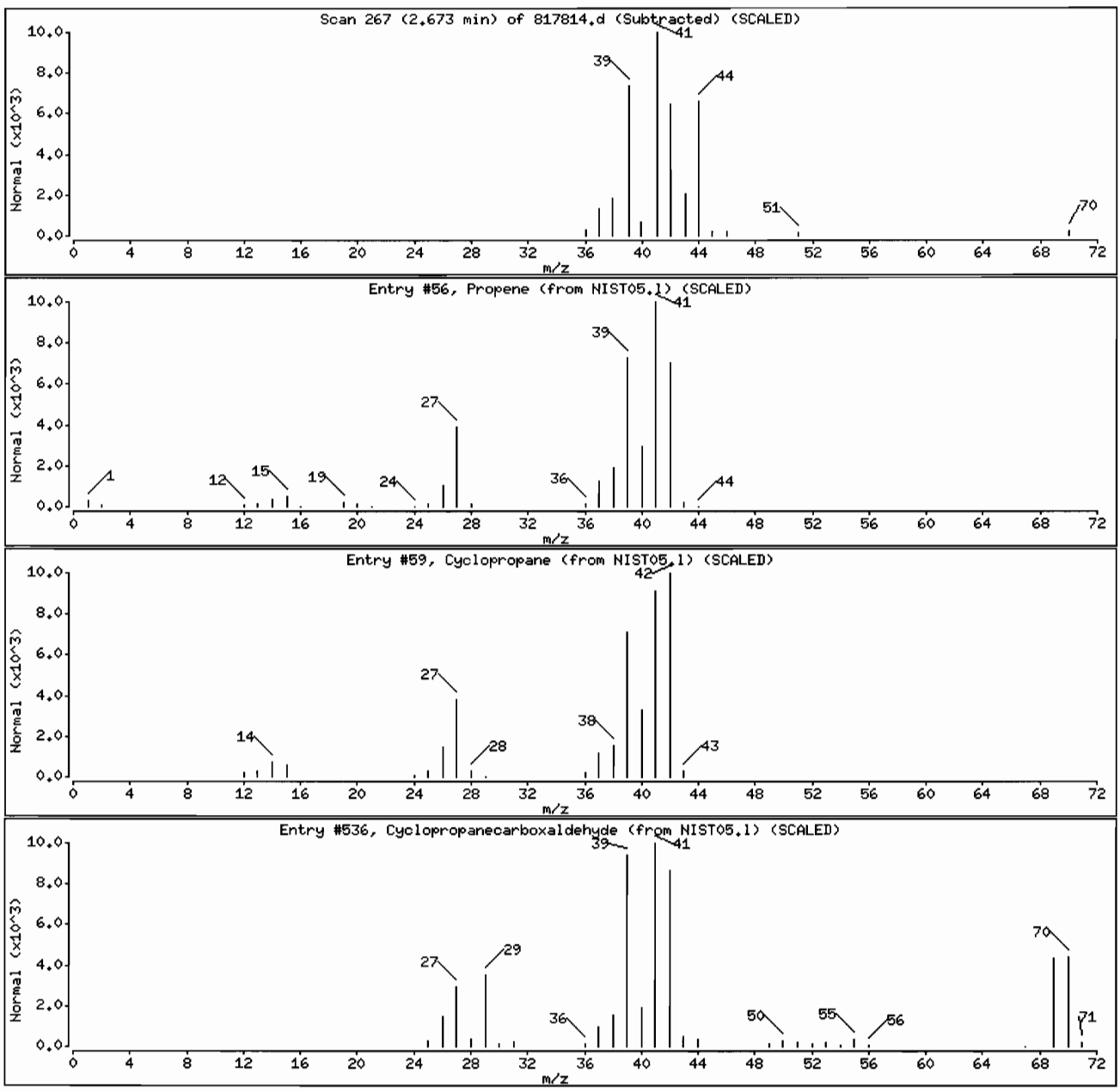
Client ID: SB2S210-211 Instrument: N.i

Sample Info: ISCO SB-2-S 210'-211':[ ]01/14/10 @1500(SOIL)

Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Propene	115-07-1	NIST05.l	56	78	C3H6	42
Cyclopropane	75-19-4	NIST05.l	59	50	C3H6	42
Cyclopropanecarboxaldehyde	1489-69-6	NIST05.l	536	43	C4H6O	70



Data File: /chem/N.i/Nsvr.p/nzadsoms.b/817814.d

Date : 19-JAN-2010 12:09

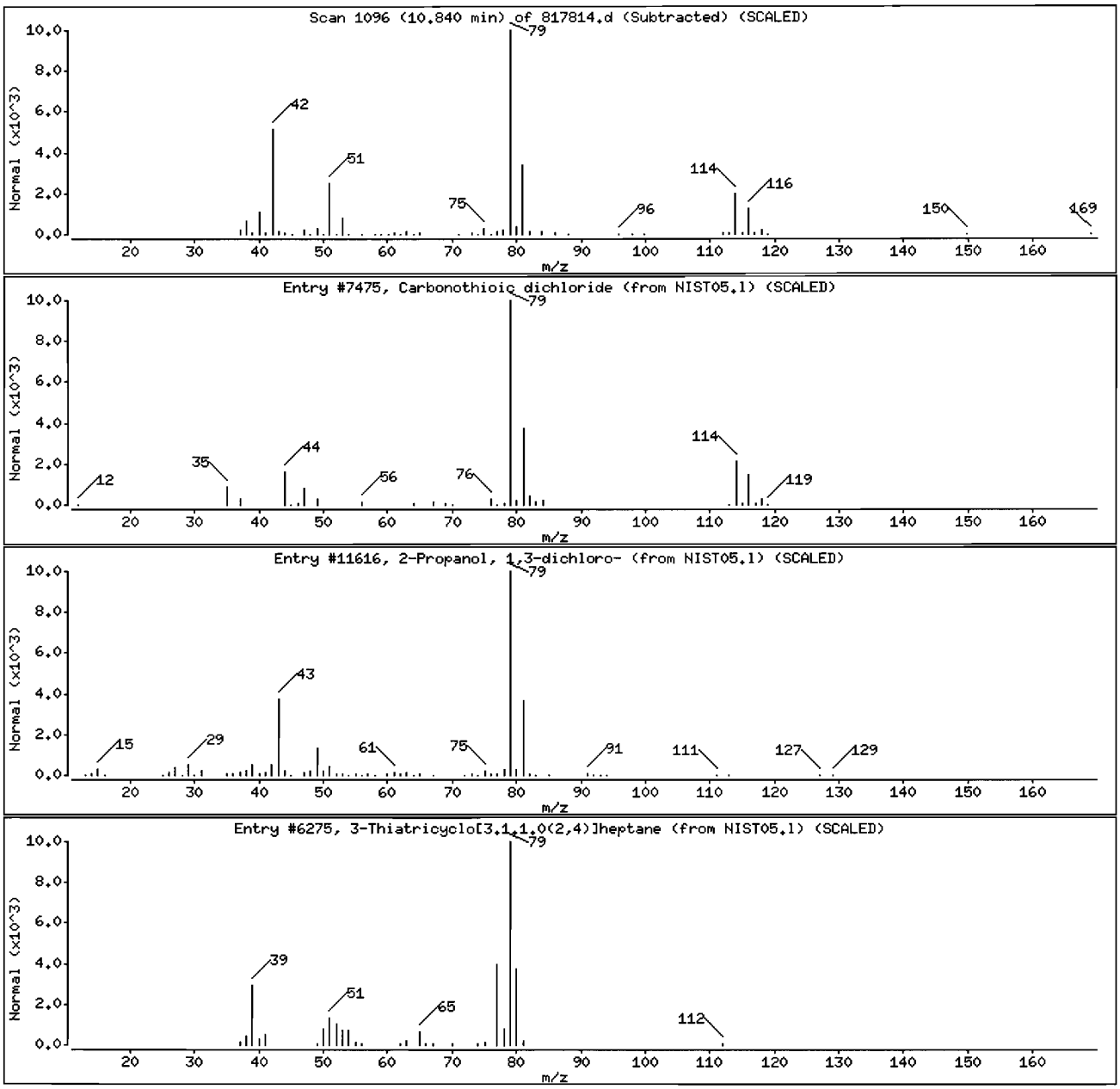
Client ID: SB2S210-211 Instrument: N.i

Sample Info: ISCO SB-2-S 210'-211':[ ]01/14/10 @1500(SOIL)

Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	47	CCl2S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.l	11616	32	C3H6Cl2O	128
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.l	6275	25	C6H8S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2S220-221

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817815

Sample wt/vol: 4.86 (g/mL) g Lab File ID: 817815

Level: (TRACE/LOW/MED) LOW Date Received: 01/16/2010

% Moisture: not dec. 18 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	6.3	U
74-87-3	Chloromethane	6.3	U
75-01-4	Vinyl chloride	6.3	U
74-83-9	Bromomethane	6.3	U
75-00-3	Chloroethane	6.3	U
75-69-4	Trichlorofluoromethane	6.3	U
75-35-4	1,1-Dichloroethene	6.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.3	U
67-64-1	Acetone	7.9	J
75-15-0	Carbon disulfide	6.3	U
79-20-9	Methyl acetate	6.3	U
75-09-2	Methylene chloride	6.3	U
156-60-5	trans-1,2-Dichloroethene	6.3	U
1634-04-4	Methyl tert-butyl ether	6.3	U
75-34-3	1,1-Dichloroethane	6.3	U
156-59-2	cis-1,2-Dichloroethene	6.3	U
78-93-3	2-Butanone	13	U
74-97-5	Bromochloromethane	6.3	U
67-66-3	Chloroform	6.3	U
71-55-6	1,1,1-Trichloroethane	6.3	U
110-82-7	Cyclohexane	6.3	U
56-23-5	Carbon tetrachloride	6.3	U
71-43-2	Benzene	6.3	U
107-06-2	1,2-Dichloroethane	6.3	U
123-91-1	1,4-Dioxane	130	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2S220-221

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817815

Sample wt/vol: 4.86 (g/mL) g Lab File ID: 817815

Level: (TRACE/LOW/MED) LOW Date Received: 01/16/2010

% Moisture: not dec. 18 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	6.3	U
108-87-2	Methylcyclohexane	6.3	U
78-87-5	1,2-Dichloropropane	6.3	U
75-27-4	Bromodichloromethane	6.3	U
10061-01-5	cis-1,3-Dichloropropene	6.3	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	6.3	U
10061-02-6	trans-1,3-Dichloropropene	6.3	U
79-00-5	1,1,2-Trichloroethane	6.3	U
127-18-4	Tetrachloroethene	6.3	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	6.3	U
106-93-4	1,2-Dibromoethane	6.3	U
108-90-7	Chlorobenzene	6.3	U
100-41-4	Ethylbenzene	6.3	U
95-47-6	o-Xylene	6.3	U
179601-23-1	m,p-Xylene	6.3	U
100-42-5	Styrene	6.3	U
75-25-2	Bromoform	6.3	U
98-82-8	Isopropylbenzene	6.3	U
79-34-5	1,1,2,2-Tetrachloroethane	6.3	U
541-73-1	1,3-Dichlorobenzene	6.3	U
106-46-7	1,4-Dichlorobenzene	6.3	U
95-50-1	1,2-Dichlorobenzene	6.3	U
96-12-8	1,2-Dibromo-3-chloropropane	6.3	U
120-82-1	1,2,4-Trichlorobenzene	6.3	U
87-61-6	1,2,3-Trichlorobenzene	6.3	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB2S220-221

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817815

Sample wt/vol: 4.86 (g/mL) g Lab File ID: 817815

Level: (TRACE or LOW/MED) LOW Date Received: 01/16/2010

% Moisture: not dec. 18 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.80	98	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
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22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

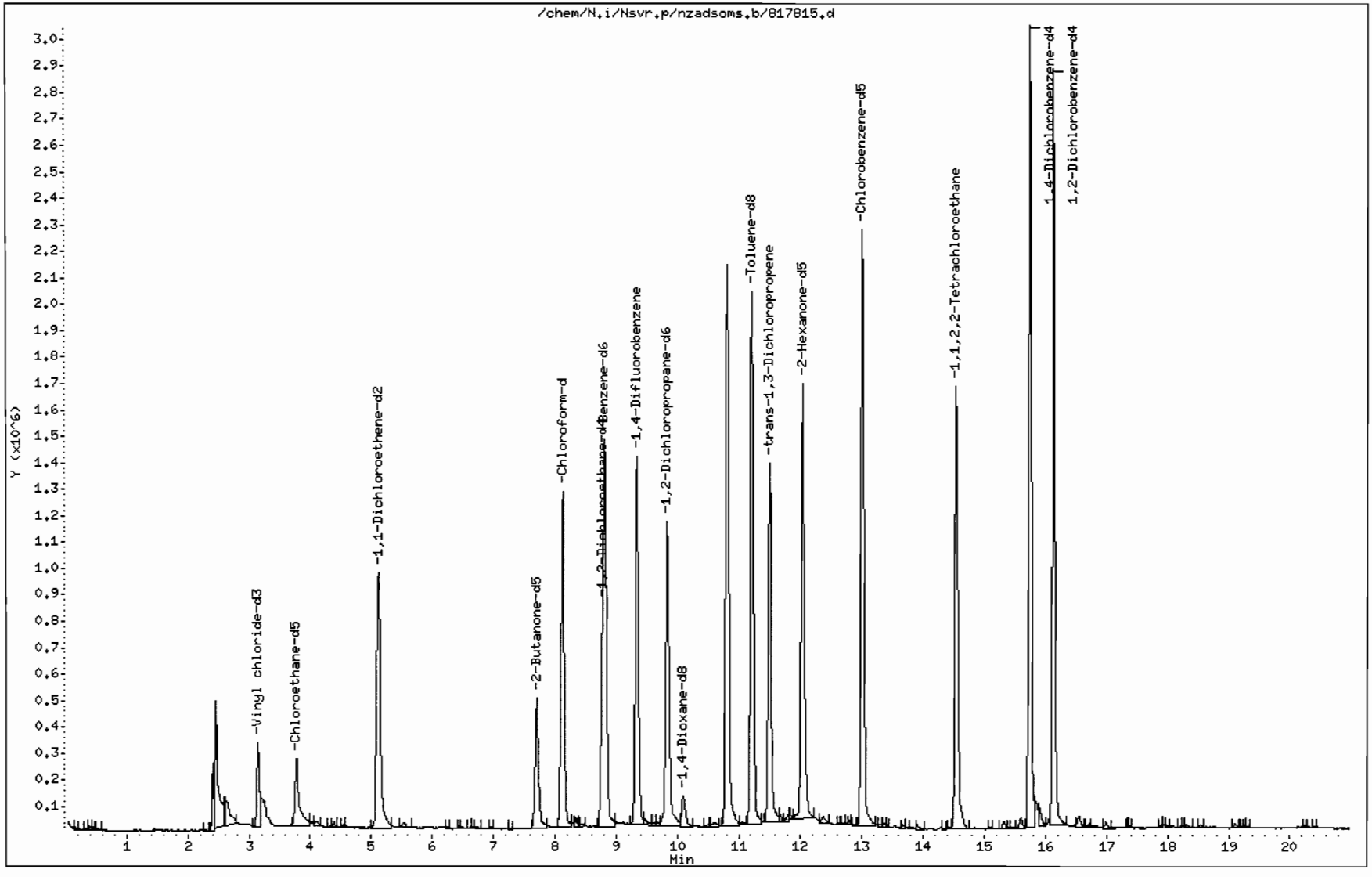
SOM01.2

Data File: /chem/N.i/Nsvr.p/nzadsoms.b/817815.d
Date : 19-JAN-2010 12:38
Client ID: SB2S220-221
Sample Info: ISCO SB-2-S 220'-221';[ ]01/15/10 @0820(SOIL)

Column phase: DB-624

Instrument: N.i

Operator: MRV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzadsoms.b/817815.d
Lab Smp Id: 817815 Client Smp ID: SB2S220-221
Inj Date : 19-JAN-2010 12:38
Operator : MRV Inst ID: N.i
Smp Info : ISCO SB-2-S 220'-221':[ ]01/15/10 @0820(SOIL)
Misc Info : 817815,121609NA,1,4.86
Comment :
Method : /chem/N.i/Nsvr.p/nzadsoms.b/soms4.m
Meth Date : 25-Jan-2010 13:05 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	4.86000	Weight of sample extracted (g)
M	18.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	3.150	3.145	(0.337)	878488	25.4201	64
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	3.771	3.756	(0.404)	731554	25.9170	65
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	5.120	5.116	(0.548)	1651168	18.6759	47
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	5.239	5.244	(0.561)	33635	3.15262	7.9(a)
	13 Carbon disulfide	76	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	Compound Not Detected.					
	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	7.701	7.707	(0.825)	1232867	78.1849	200
	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	8.125	8.121	(0.870)	1806085	24.0853	60(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	8.775	8.790	(0.940)	801968	25.0575	63
$	29 Benzene-d6	84	8.815	8.830	(0.678)	2100444	24.7726	62
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	9.337	9.352	(1.000)	1891540	25.0000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.839	9.854	(0.757)	1041346	21.5679	54
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
$	37 1,4-Dioxane-d8	96	10.105	10.111	(1.082)	140958	498.716	1300
	38 1,4-Dioxane	88	Compound Not Detected.					
	39 Bromodichloromethane	83	Compound Not Detected.					
	40 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	41 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	42 Toluene-d8	98	11.209	11.224	(0.862)	2499416	25.5805	64
	43 Toluene	91	Compound Not Detected.					
$	44 trans-1,3-Dichloropropene-d4	79	11.504	11.510	(0.885)	1418109	25.1102	63
	45 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46 1,1,2-Trichloroethane	97	Compound Not Detected.					
	47 Tetrachloroethene	164	Compound Not Detected.					
$	48 2-Hexanone-d5	63	12.026	12.041	(0.925)	1138093	79.4032	200
	49 2-Hexanone	43	Compound Not Detected.					
	50 Dibromochloromethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 Chlorobenzene-d5	117	13.002	13.007	(1.000)	2146930	25.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethylbenzene	91	Compound Not Detected.					
	55 m,p-Xylene	106	Compound Not Detected.					
	56 o-Xylene	106	Compound Not Detected.					
	57 Styrene	104	Compound Not Detected.					
	58 Bromoform	172	Compound Not Detected.					
	59 Isopropylbenzene	105	Compound Not Detected.					
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.539	14.544	(1.118)	1788352	23.4038	59
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
62	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 63	1,4-Dichlorobenzene-d4	152	15.740	15.746	(1.000)	1207625	25.0000	
64	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 65	1,2-Dichlorobenzene-d4	152	16.125	16.120	(1.024)	1115899	24.8563	62
66	1,2-Dichlorobenzene	146	Compound Not Detected.					
67	1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
68	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
69	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzadsoms.b/817815.d
Lab Smp Id: 817815 Client Smp ID: SB2S220-221
Inj Date : 19-JAN-2010 12:38
Operator : MRV Inst ID: N.i
Smp Info : ISCO SB-2-S 220'-221':[ ]01/15/10 @0820(SOIL)
Misc Info : 817815,121609NA,1,4.86
Comment :
Method : /chem/N.i/Nsvr.p/nzadsoms.b/soms4.m
Meth Date : 25-Jan-2010 13:05 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	4.86000	Weight of sample extracted (g)
M	18.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	9.337	4745099	25.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.805	7432152	39.1569905	98	0	0		32

Data File: /chem/N.i/Nsvr.p/nzadsoms.b/817815.d

Date : 19-JAN-2010 12:38

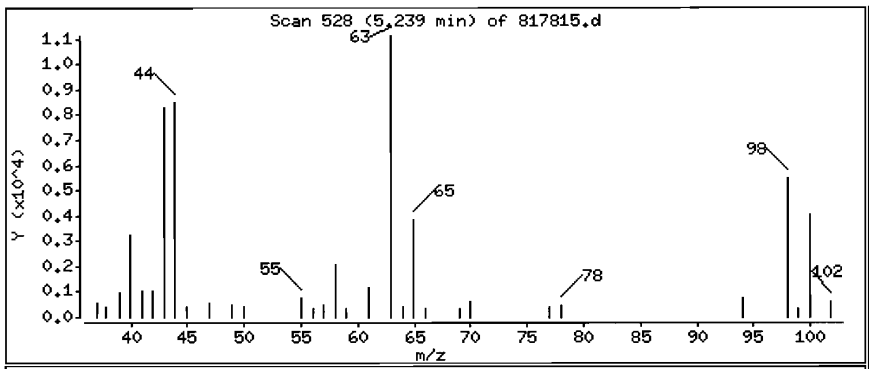
Client ID: SB2S220-221 Instrument: N.i

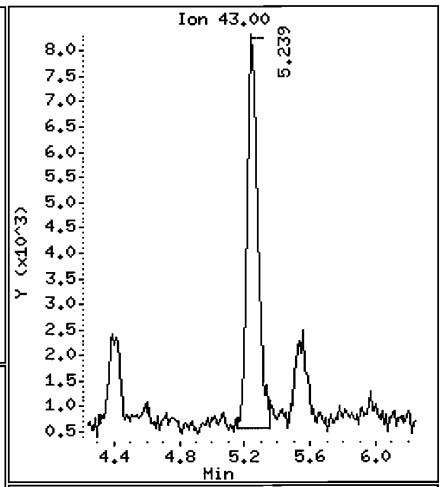
Sample Info: ISCO SB-2-S 220'-221':[ ]01/15/10 @0820(SOIL)

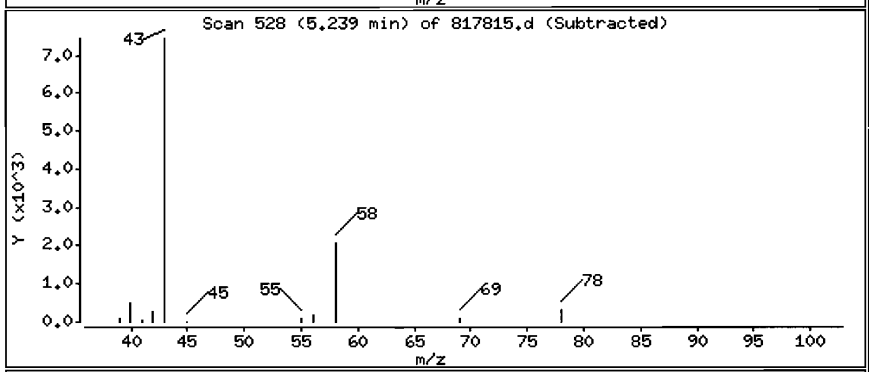
Operator: MRV

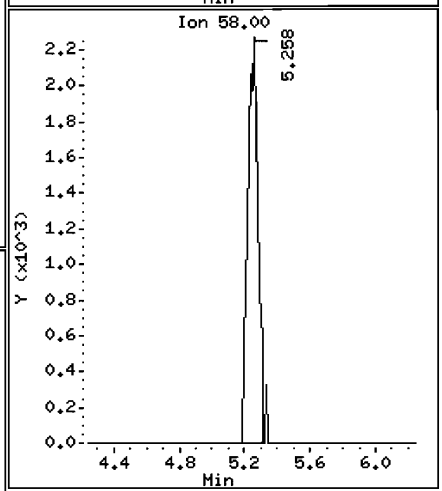
Column phase: DB-624 Column diameter: 0.53

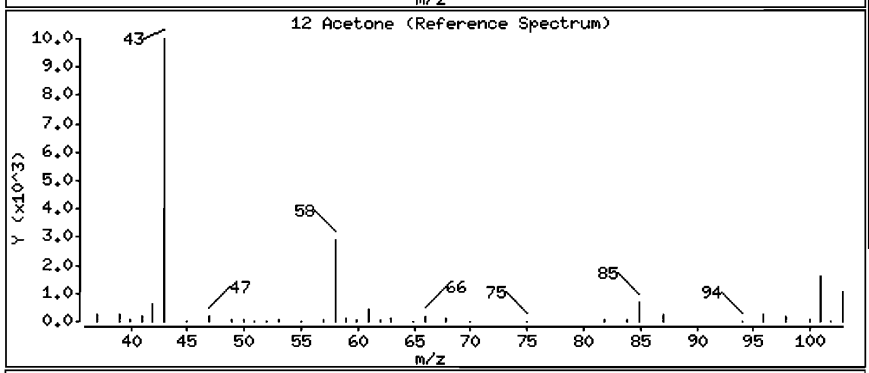
12 Acetone Concentration: 7.9 ug/kg

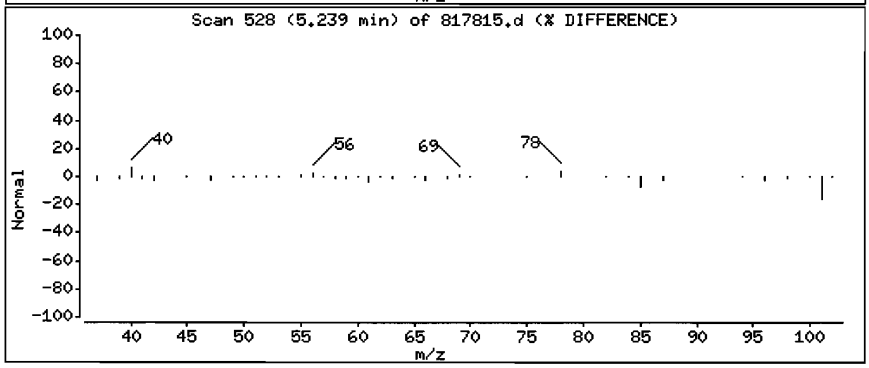












Data File: /chem/N.i/Nsvr.p/nzadsoms.b/817815.d

Date : 19-JAN-2010 12:38

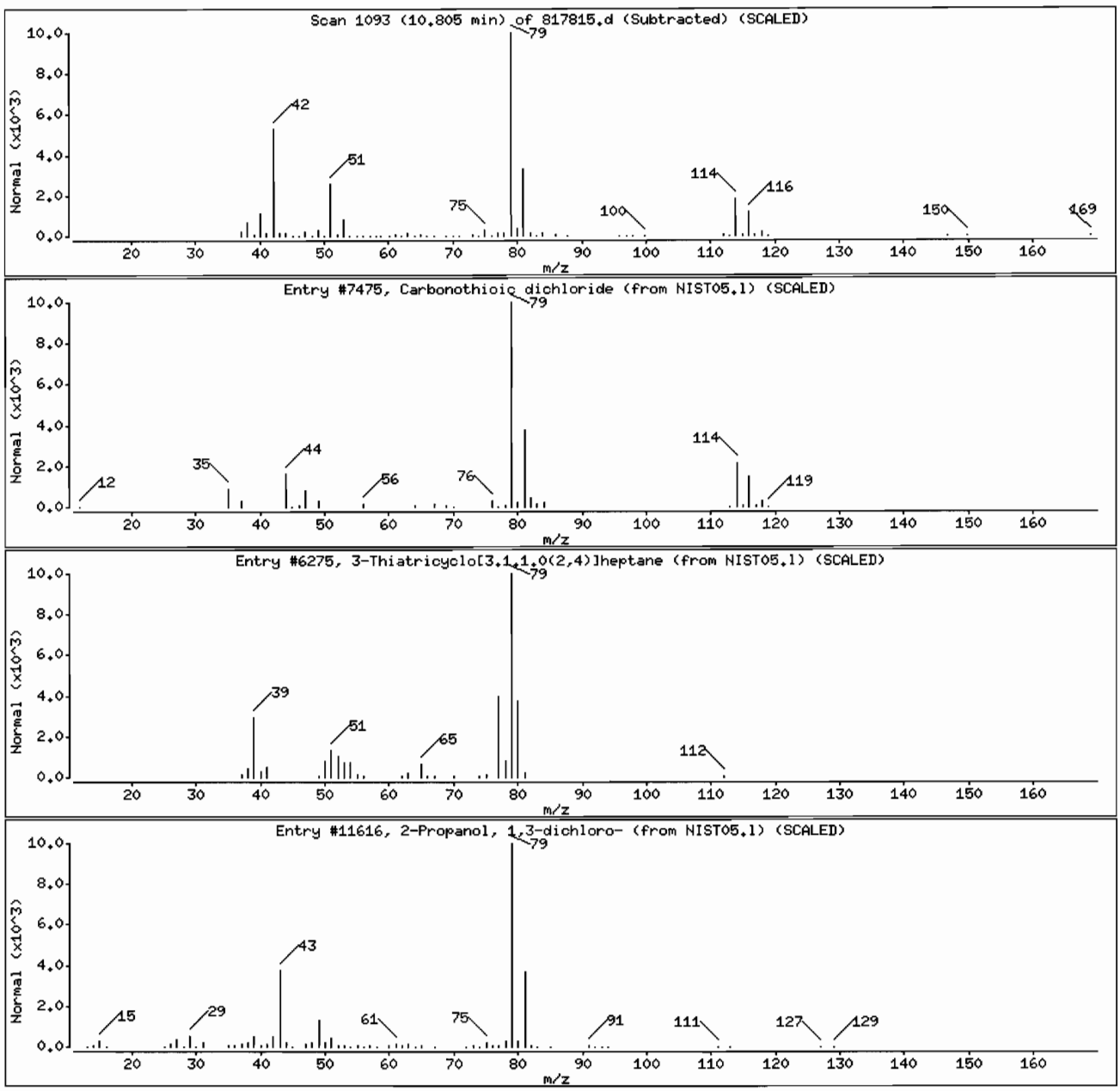
Client ID: SB2S220-221 Instrument: N.i

Sample Info: ISCO SB-2-S 220'-221':[ ]01/15/10 @0820(SOIL)

Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	47	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.l	6275	32	C6H8S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.l	11616	25	C3H6Cl2O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2S230-231

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817816

Sample wt/vol: 5.03 (g/mL) g Lab File ID: 817816

Level: (TRACE/LOW/MED) LOW Date Received: 01/16/2010

% Moisture: not dec. 16 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.9	U
74-87-3	Chloromethane	5.9	U
75-01-4	Vinyl chloride	5.9	U
74-83-9	Bromomethane	5.9	U
75-00-3	Chloroethane	5.9	U
75-69-4	Trichlorofluoromethane	5.9	U
75-35-4	1,1-Dichloroethene	5.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.9	U
67-64-1	Acetone	5.4	J
75-15-0	Carbon disulfide	5.9	U
79-20-9	Methyl acetate	5.9	U
75-09-2	Methylene chloride	5.9	U
156-60-5	trans-1,2-Dichloroethene	5.9	U
1634-04-4	Methyl tert-butyl ether	5.9	U
75-34-3	1,1-Dichloroethane	5.9	U
156-59-2	cis-1,2-Dichloroethene	5.9	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	5.9	U
67-66-3	Chloroform	5.9	U
71-55-6	1,1,1-Trichloroethane	5.9	U
110-82-7	Cyclohexane	5.9	U
56-23-5	Carbon tetrachloride	5.9	U
71-43-2	Benzene	5.9	U
107-06-2	1,2-Dichloroethane	5.9	U
123-91-1	1,4-Dioxane	120	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2S230-231

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817816

Sample wt/vol: 5.03 (g/mL) g Lab File ID: 817816

Level: (TRACE/LOW/MED) LOW Date Received: 01/16/2010

% Moisture: not dec. 16 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	5.9	U
108-87-2	Methylcyclohexane	5.9	U
78-87-5	1,2-Dichloropropane	5.9	U
75-27-4	Bromodichloromethane	5.9	U
10061-01-5	cis-1,3-Dichloropropene	5.9	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	5.9	U
10061-02-6	trans-1,3-Dichloropropene	5.9	U
79-00-5	1,1,2-Trichloroethane	5.9	U
127-18-4	Tetrachloroethene	5.9	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	5.9	U
106-93-4	1,2-Dibromoethane	5.9	U
108-90-7	Chlorobenzene	5.9	U
100-41-4	Ethylbenzene	5.9	U
95-47-6	o-Xylene	5.9	U
179601-23-1	m,p-Xylene	5.9	U
100-42-5	Styrene	5.9	U
75-25-2	Bromoform	5.9	U
98-82-8	Isopropylbenzene	5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U
541-73-1	1,3-Dichlorobenzene	5.9	U
106-46-7	1,4-Dichlorobenzene	5.9	U
95-50-1	1,2-Dichlorobenzene	5.9	U
96-12-8	1,2-Dibromo-3-chloropropane	5.9	U
120-82-1	1,2,4-Trichlorobenzene	5.9	U
87-61-6	1,2,3-Trichlorobenzene	5.9	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB2S230-231

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817816

Sample wt/vol: 5.03 (g/mL) g Lab File ID: 817816

Level: (TRACE or LOW/MED) LOW Date Received: 01/16/2010

% Moisture: not dec. 16 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.80	95	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

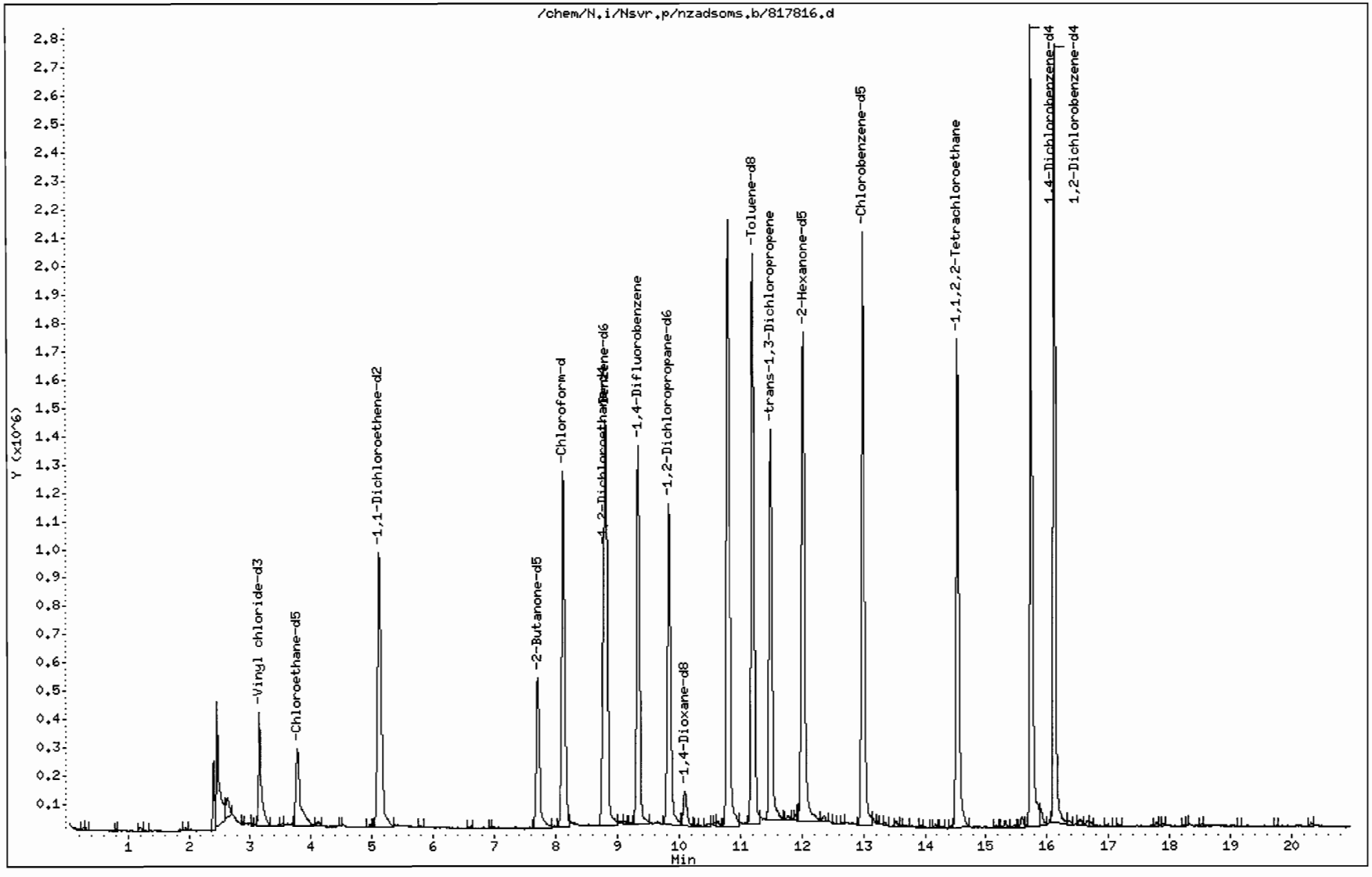
SOM01.2

Data File: /chem/N.i/Nsvr.p/nzadsoms.b/817816.d
Date : 19-JAN-2010 13:06
Client ID: SB2S230-231
Sample Info: ISCO SB-2-S 230'-231':[ ]01/15/10 @0940(SOIL)

Column phase: DB-624

Instrument: N.i

Operator: MRV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzadsoms.b/817816.d
Lab Smp Id: 817816 Client Smp ID: SB2S230-231
Inj Date : 19-JAN-2010 13:06
Operator : MRV Inst ID: N.i
Smp Info : ISCO SB-2-S 230'-231':[ ]01/15/10 @0940(SOIL)
Misc Info : 817816,121609NA,1,5.03
Comment :
Method : /chem/N.i/Nsvr.p/nzadsoms.b/soms4.m
Meth Date : 25-Jan-2010 13:05 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.03000	Weight of sample extracted (g)
M	16.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	3.145	3.145	(0.337)	852453	25.8545	61
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	3.776	3.756	(0.405)	724010	26.8849	64
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	5.116	5.116	(0.548)	1619952	19.2051	45
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	5.253	5.244	(0.563)	23267	2.28584	5.4(a)
13	Carbon disulfide	76	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	Compound Not Detected.					
	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	7.707	7.707	(0.826)	1375388	91.4233	220(R)
	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	8.120	8.121	(0.870)	1771842	24.7664	59(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	8.780	8.790	(0.941)	806224	26.4035	62
$	29 Benzene-d6	84	8.820	8.830	(0.679)	2048886	25.3612	60
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	9.332	9.352	(1.000)	1804639	25.0000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.834	9.854	(0.757)	1031226	22.4160	53
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
$	37 1,4-Dioxane-d8	96	10.100	10.111	(1.082)	151470	561.714	1300
	38 1,4-Dioxane	88	Compound Not Detected.					
	39 Bromodichloromethane	83	Compound Not Detected.					
	40 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	41 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	42 Toluene-d8	98	11.204	11.224	(0.862)	2435774	26.1638	62
	43 Toluene	91	Compound Not Detected.					
$	44 trans-1,3-Dichloropropene-d4	79	11.490	11.510	(0.884)	1417881	26.3495	62
	45 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46 1,1,2-Trichloroethane	97	Compound Not Detected.					
	47 Tetrachloroethene	164	Compound Not Detected.					
$	48 2-Hexanone-d5	63	12.022	12.041	(0.925)	1194117	87.4379	210
	49 2-Hexanone	43	Compound Not Detected.					
	50 Dibromochloromethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 Chlorobenzene-d5	117	12.997	13.007	(1.000)	2045622	25.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethylbenzene	91	Compound Not Detected.					
	55 m,p-Xylene	106	Compound Not Detected.					
	56 o-Xylene	106	Compound Not Detected.					
	57 Styrene	104	Compound Not Detected.					
	58 Bromoform	172	Compound Not Detected.					
	59 Isopropylbenzene	105	Compound Not Detected.					
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.534	14.544	(1.118)	1872433	25.7177	61
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
62	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 63	1,4-Dichlorobenzene-d4	152	15.736	15.746	(1.000)	1131445	25.0000	
64	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 65	1,2-Dichlorobenzene-d4	152	16.120	16.120	(1.024)	1074178	25.5379	60
66	1,2-Dichlorobenzene	146	Compound Not Detected.					
67	1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
68	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
69	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzadsoms.b/817816.d
Lab Smp Id: 817816 Client Smp ID: SB2S230-231
Inj Date : 19-JAN-2010 13:06
Operator : MRV Inst ID: N.i
Smp Info : ISCO SB-2-S 230'-231':[ ]01/15/10 @0940(SOIL)
Misc Info : 817816,121609NA,1,5.03
Comment :
Method : /chem/N.i/Nsvr.p/nzadsoms.b/soms4.m
Meth Date : 25-Jan-2010 13:05 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.03000	Weight of sample extracted (g)
M	16.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	9.332	4545801	25.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.800	7295039	40.1196493	95	0	0		32

Data File: /chem/N.i/Nsvr.p/nzadsoms.b/817816.d

Date : 19-JAN-2010 13:06

Client ID: SB2S230-231

Instrument: N.i

Sample Info: ISCO SB-2-S 230'-231':[ ]01/15/10 @0940(SOIL)

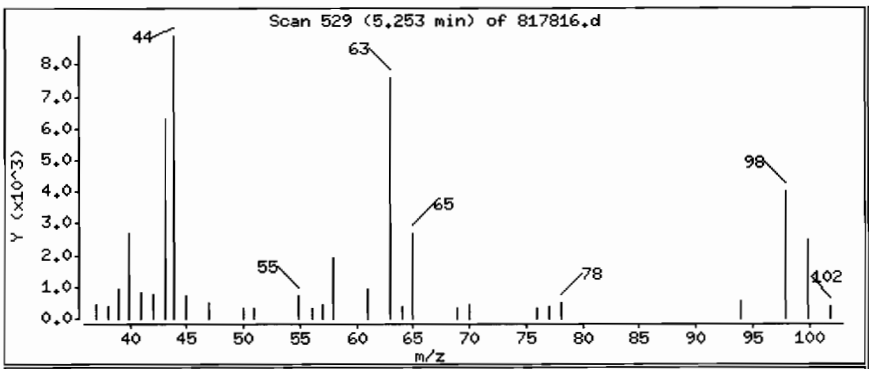
Operator: MRV

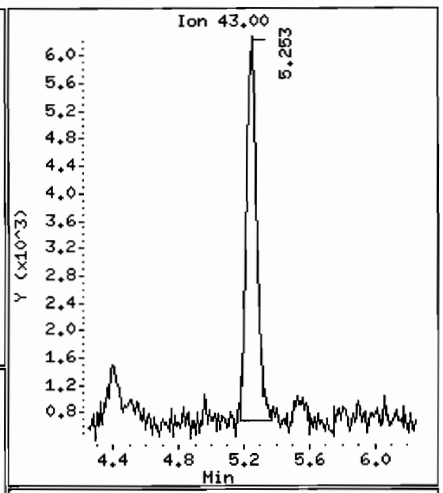
Column phase: DB-624

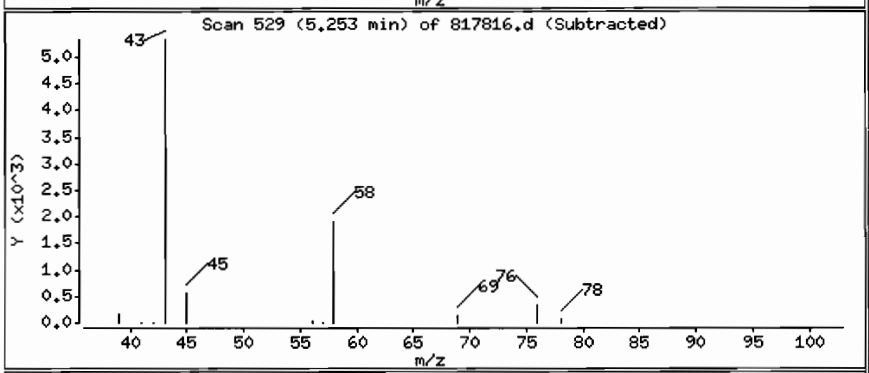
Column diameter: 0.53

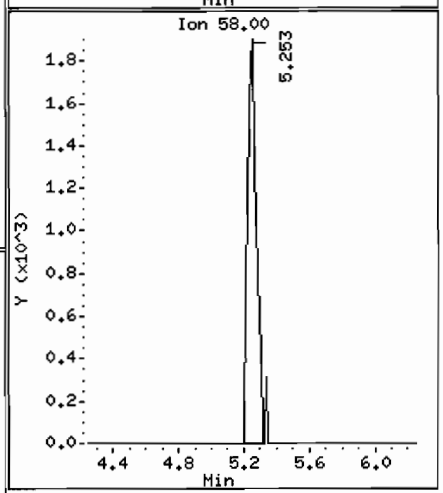
12 Acetone

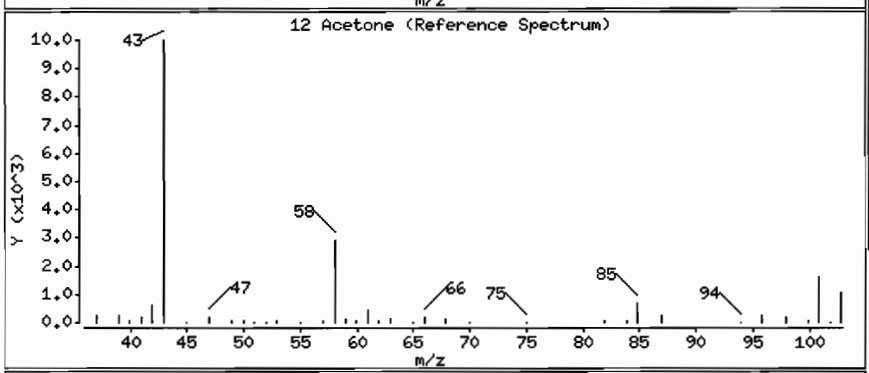
Concentration: 5.4 ug/kg

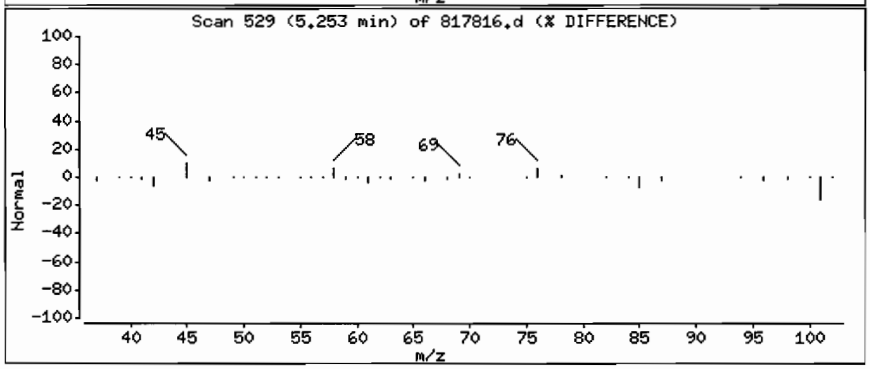












Data File: /chem/N.i/Nsvr.p/nzadsoms.b/817816.d

Date : 19-JAN-2010 13:06

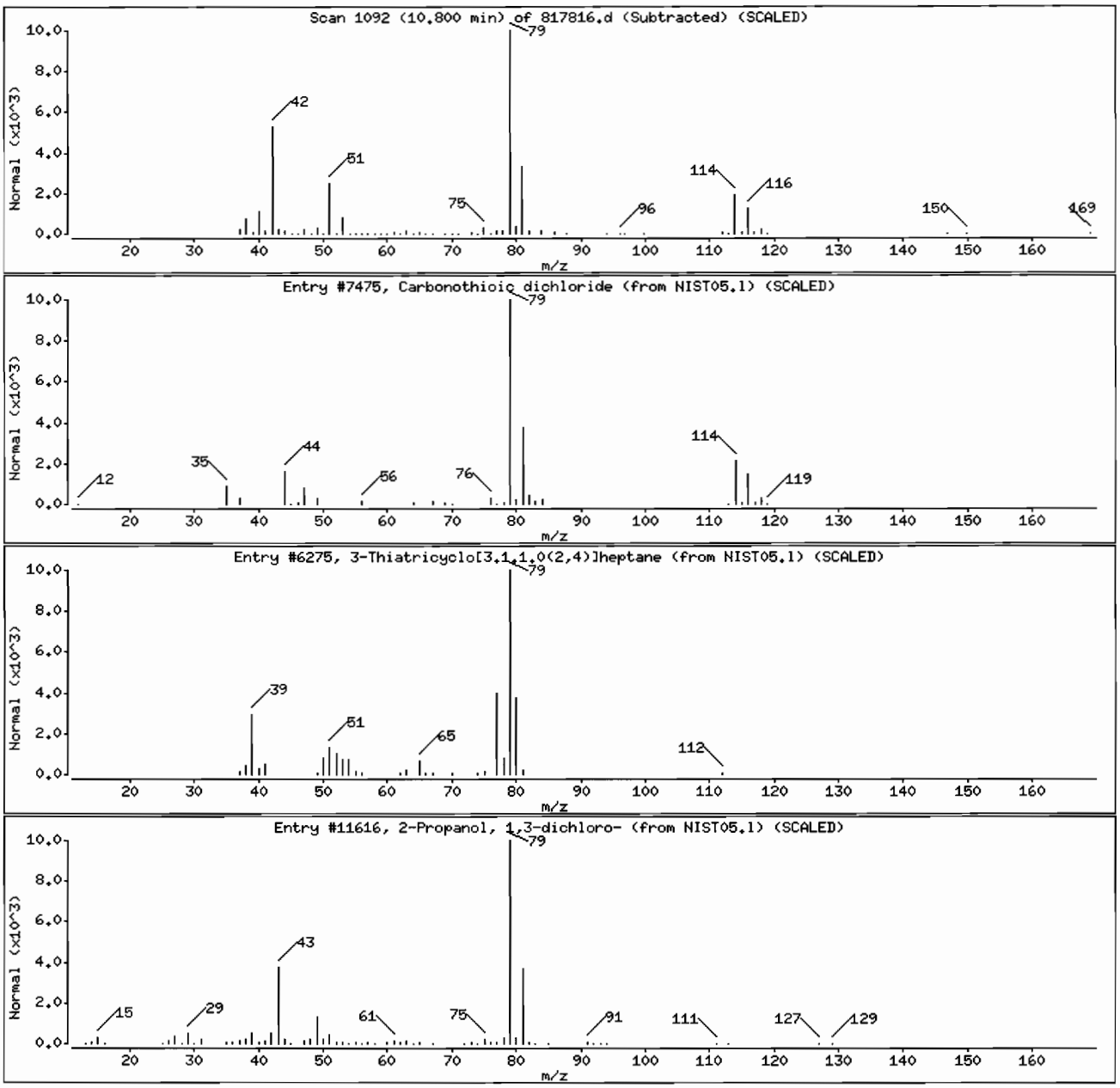
Client ID: SB2S230-231 Instrument: N.i

Sample Info: ISCO SB-2-S 230'-231':[ ]01/15/10 @0940(SOIL)

Operator: MRV

Column phase: DB-624 Column diameter: 0.53

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)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	23	C3H6Cl2O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB4S190-191

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817811

Sample wt/vol: 5.14 (g/mL) g Lab File ID: 817811

Level: (TRACE/LOW/MED) LOW Date Received: 01/16/2010

% Moisture: not dec. 17 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.9	U
74-87-3	Chloromethane	5.9	U
75-01-4	Vinyl chloride	5.9	U
74-83-9	Bromomethane	5.9	U
75-00-3	Chloroethane	5.9	U
75-69-4	Trichlorofluoromethane	5.9	U
75-35-4	1,1-Dichloroethene	5.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.9	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	5.9	U
79-20-9	Methyl acetate	5.9	U
75-09-2	Methylene chloride	5.9	U
156-60-5	trans-1,2-Dichloroethene	5.9	U
1634-04-4	Methyl tert-butyl ether	5.9	U
75-34-3	1,1-Dichloroethane	5.9	U
156-59-2	cis-1,2-Dichloroethene	5.9	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	5.9	U
67-66-3	Chloroform	5.9	U
71-55-6	1,1,1-Trichloroethane	5.9	U
110-82-7	Cyclohexane	5.9	U
56-23-5	Carbon tetrachloride	5.9	U
71-43-2	Benzene	5.9	U
107-06-2	1,2-Dichloroethane	5.9	U
123-91-1	1,4-Dioxane	120	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB4S190-191

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817811

Sample wt/vol: 5.14 (g/mL) g Lab File ID: 817811

Level: (TRACE/LOW/MED) LOW Date Received: 01/16/2010

% Moisture: not dec. 17 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	5.9	U
108-87-2	Methylcyclohexane	5.9	U
78-87-5	1,2-Dichloropropane	5.9	U
75-27-4	Bromodichloromethane	5.9	U
10061-01-5	cis-1,3-Dichloropropene	5.9	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	5.9	U
10061-02-6	trans-1,3-Dichloropropene	5.9	U
79-00-5	1,1,2-Trichloroethane	5.9	U
127-18-4	Tetrachloroethene	5.9	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	5.9	U
106-93-4	1,2-Dibromoethane	5.9	U
108-90-7	Chlorobenzene	5.9	U
100-41-4	Ethylbenzene	5.9	U
95-47-6	o-Xylene	5.9	U
179601-23-1	m,p-Xylene	5.9	U
100-42-5	Styrene	5.9	U
75-25-2	Bromoform	5.9	U
98-82-8	Isopropylbenzene	5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U
541-73-1	1,3-Dichlorobenzene	5.9	U
106-46-7	1,4-Dichlorobenzene	5.9	U
95-50-1	1,2-Dichlorobenzene	5.9	U
96-12-8	1,2-Dibromo-3-chloropropane	5.9	U
120-82-1	1,2,4-Trichlorobenzene	5.9	U
87-61-6	1,2,3-Trichlorobenzene	5.9	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB4S190-191

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817811

Sample wt/vol: 5.14 (g/mL) g Lab File ID: 817811

Level: (TRACE or LOW/MED) LOW Date Received: 01/16/2010

% Moisture: not dec. 17 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.82	88	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

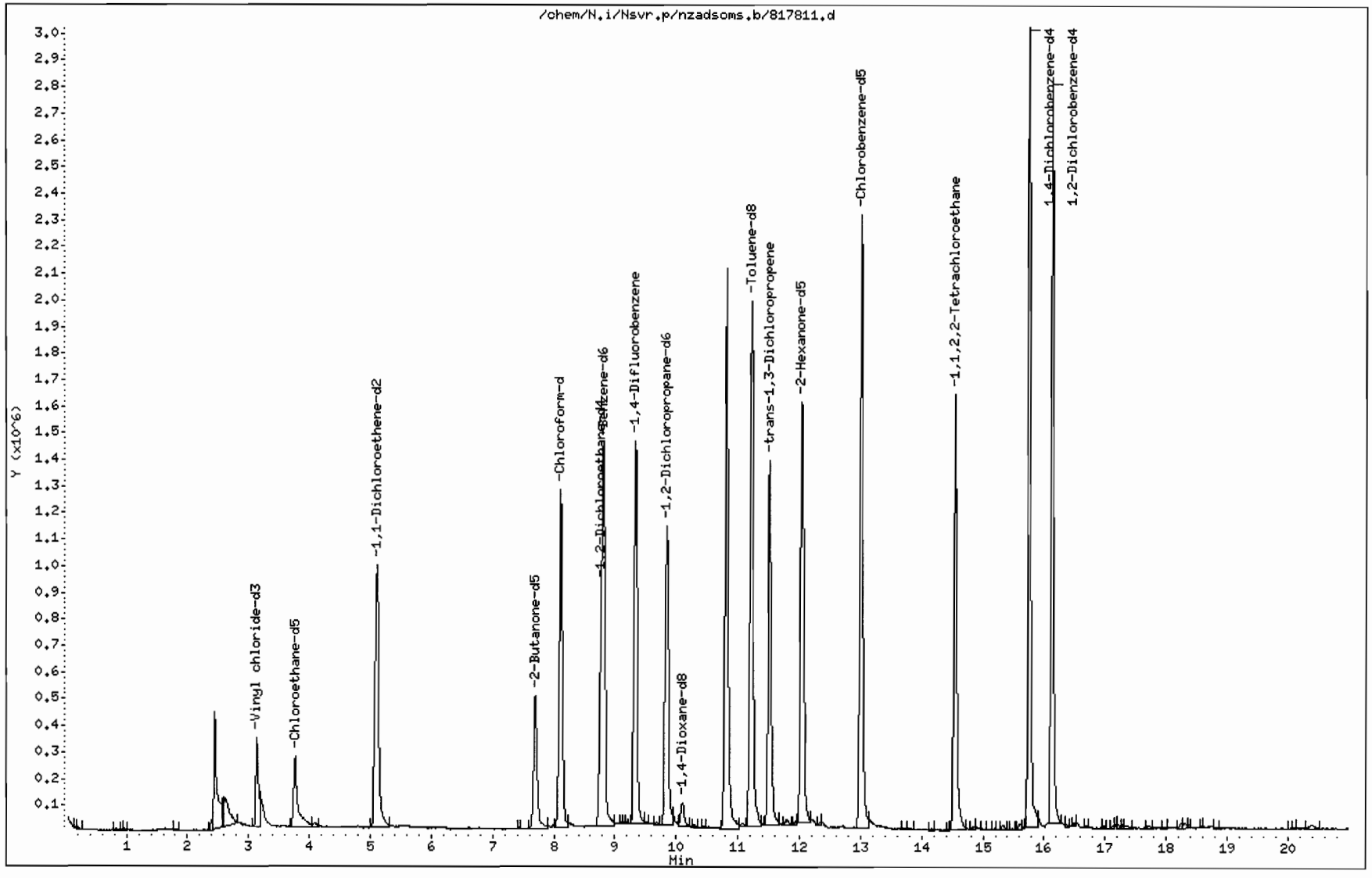
(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/N.i/Nsvr.p/nzadsoms.b/817811.d
Date : 19-JAN-2010 10:45
Client ID: SB4S190-191
Sample Info: ISCO SB-4-S 190'-191':[ ]01/14/10 @1530(SOIL)

Column phase: DB-624

Instrument: N.i
Operator: MRV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzadsoms.b/817811.d
Lab Smp Id: 817811 Client Smp ID: SB4S190-191
Inj Date : 19-JAN-2010 10:45
Operator : MRV Inst ID: N.i
Smp Info : ISCO SB-4-S 190'-191':[ ]01/14/10 @1530(SOIL)
Misc Info : 817811,121609NA,1,5.14
Comment :
Method : /chem/N.i/Nsvr.p/nzadsoms.b/soms4.m
Meth Date : 25-Jan-2010 13:05 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.14000	Weight of sample extracted (g)
M	17.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	3.134	3.145	(0.336)	886630	24.4278	57
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	3.764	3.756	(0.403)	728967	24.5893	58
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	5.104	5.116	(0.547)	1660470	17.8822	42
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	Compound Not Detected.					
13	Carbon disulfide	76	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	Compound Not Detected.					
	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	7.695	7.707	(0.825)	1269510	76.6555	180
	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	8.109	8.121	(0.869)	1843445	23.4069	55(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	8.769	8.790	(0.940)	815243	24.2531	57
$	29 Benzene-d6	84	8.808	8.830	(0.677)	2083729	23.7284	56
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	9.331	9.352	(1.000)	1986621	25.0000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.843	9.854	(0.757)	1062822	21.2540	50
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
$	37 1,4-Dioxane-d8	96	10.099	10.111	(1.082)	114485	385.667	900
	38 1,4-Dioxane	88	Compound Not Detected.					
	39 Bromodichloromethane	83	Compound Not Detected.					
	40 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	41 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	42 Toluene-d8	98	11.222	11.224	(0.863)	2457219	24.2819	57
	43 Toluene	91	Compound Not Detected.					
$	44 trans-1,3-Dichloropropene-d4	79	11.508	11.510	(0.885)	1420439	24.2846	57
	45 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46 1,1,2-Trichloroethane	97	Compound Not Detected.					
	47 Tetrachloroethene	164	Compound Not Detected.					
$	48 2-Hexanone-d5	63	12.030	12.041	(0.925)	1153047	77.6740	180
	49 2-Hexanone	43	Compound Not Detected.					
	50 Dibromochloromethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 Chlorobenzene-d5	117	13.005	13.007	(1.000)	2223564	25.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethylbenzene	91	Compound Not Detected.					
	55 m,p-Xylene	106	Compound Not Detected.					
	56 o-Xylene	106	Compound Not Detected.					
	57 Styrene	104	Compound Not Detected.					
	58 Bromoform	172	Compound Not Detected.					
	59 Isopropylbenzene	105	Compound Not Detected.					
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.542	14.544	(1.118)	1759752	22.2358	52
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
	62 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	63 1,4-Dichlorobenzene-d4	152	15.754	15.746	(1.000)	1236507	25.0000	
	64 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	65 1,2-Dichlorobenzene-d4	152	16.128	16.120	(1.024)	1095224	23.8259	56
	66 1,2-Dichlorobenzene	146	Compound Not Detected.					
	67 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
	68 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	69 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/N.i/Nsvr.p/nzadsoms.b/817811.d
Lab Smp Id: 817811 Client Smp ID: SB4S190-191
Inj Date : 19-JAN-2010 10:45
Operator : MRV Inst ID: N.i
Smp Info : ISCO SB-4-S 190'-191':[ ]01/14/10 @1530(SOIL)
Misc Info : 817811,121609NA,1,5.14
Comment :
Method : /chem/N.i/Nsvr.p/nzadsoms.b/soms4.m
Meth Date : 25-Jan-2010 13:05 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.14000	Weight of sample extracted (g)
M	17.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	9.331	4962428	25.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.818	7448239	37.5231526	88	0		0	32

Data File: /chem/N.i/Nsvr.p/nzadsoms.b/817811.d

Date : 19-JAN-2010 10:45

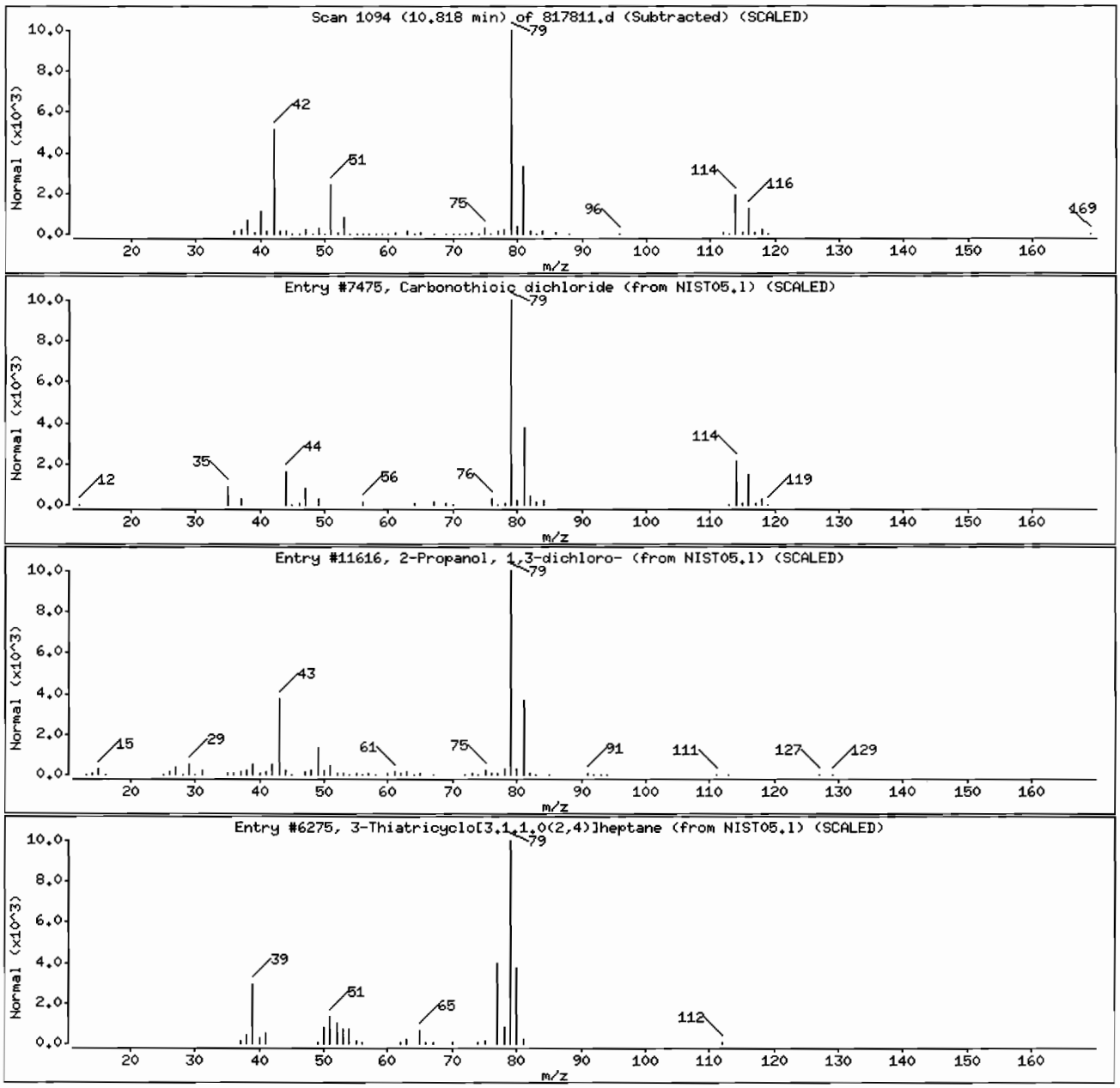
Client ID: SB4S190-191 Instrument: N.i

Sample Info: ISCO SB-4-S 190'-191':[ ]01/14/10 @1530(SOIL)

Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	50	CCl2S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.l	11616	32	C3H6Cl2O	128
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.l	6275	25	C6H8S	112



Standards – SOM01.2 Volatiles

6A - FORM VI VOA-1
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: N.i Calibration Date(s): 01/13/2010 01/13/2010

Heated Purge: (Y/N)Y Calibration Time(s): 1704 1856

Purge Volume: 10.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF2.5 = NZA005V RRF5.0 = NZA010V
RRF25 = NZA050V RRF50 = NZA100V RRF100 = NZA200V

COMPOUND	RRF2.5	RRF5.0	RRF25	RRF50	RRF100	$\overline{RRF}$	%RSD	
Dichlorodifluoromethane	0.900	0.947	0.880	0.953	0.968	0.929	4.0	
Chloromethane	0.488	0.523	0.475	0.523	0.533	0.509	5.0	
Vinyl chloride	0.466	0.505	0.473	0.518	0.531	0.499	5.7	
Bromomethane	0.284	0.326	0.349	0.421	0.437	0.364	17.7	
Chloroethane	0.290	0.309	0.284	0.295	0.279	0.291	4.0	
Trichlorofluoromethane	1.010	1.082	1.034	1.071	1.086	1.057	3.1	
1,1-Dichloroethene	0.411	0.435	0.406	0.431	0.458	0.428	4.9	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.949	0.986	0.924	0.963	1.021	0.969	3.8	
Acetone	0.151	0.118	0.141	0.148	0.147	0.141	9.5	
Carbon disulfide	1.277	1.355	1.303	1.357	1.448	1.348	4.9	
Methyl acetate	0.270	0.284	0.290	0.283	0.314	0.288	5.7	
Methylene chloride	0.438	0.457	0.425	0.440	0.462	0.444	3.4	
trans-1,2-Dichloroethene	0.449	0.472	0.446	0.454	0.483	0.461	3.5	
Methyl tert-butyl ether	0.910	0.955	0.889	0.896	0.958	0.922	3.5	
1,1-Dichloroethane	0.900	0.965	0.915	0.933	0.975	0.938	3.4	
cis-1,2-Dichloroethene	0.429	0.445	0.434	0.445	0.451	0.441	2.0	
2-Butanone	0.188	0.166	0.194	0.189	0.199	0.187	6.7	
Bromochloromethane	0.270	0.294	0.278	0.282	0.290	0.283	3.3	
Chloroform	0.903	1.000	0.921	0.930	0.946	0.940	3.9	
1,1,1-Trichloroethane	0.643	0.714	0.633	0.652	0.653	0.659	4.8	
Cyclohexane	0.556	0.584	0.495	0.502	0.499	0.527	7.7	
Carbon tetrachloride	0.592	0.647	0.596	0.622	0.620	0.616	3.6	
Benzene	0.918	0.962	0.867	0.898	0.893	0.908	3.9	
1,2-Dichloroethane	0.468	0.525	0.491	0.483	0.487	0.491	4.3	
1,4-Dioxane	0.005	0.004	0.004	0.004	0.004	0.004	6.4	<-
Trichloroethene	0.434	0.459	0.408	0.420	0.420	0.428	4.5	
Methylcyclohexane	0.419	0.585	0.532	0.395	0.549	0.496	16.9	

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

6B - FORM VI VOA-2
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: N.i Calibration Date(s): 01/13/2010 01/13/2010

Heated Purge: (Y/N)Y Calibration Time(s): 1704 1856

Purge Volume: 10.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF2.5 = NZA005V RRF5.0 = NZA010V
RRF25 = NZA050V RRF50 = NZA100V RRF100 = NZA200V

COMPOUND	RRF2.5	RRF5.0	RRF25	RRF50	RRF100	$\overline{RRF}$	%RSD
1,2-Dichloropropane	0.385	0.569	0.495	0.385	0.510	0.469	17.3
Bromodichloromethane	0.968	1.048	0.959	0.991	0.996	0.993	3.5
cis-1,3-Dichloropropene	0.772	0.852	0.783	0.804	0.801	0.802	3.8
4-Methyl-2-pentanone	0.454	0.468	0.434	0.419	0.440	0.443	4.3
Toluene	1.175	1.265	1.177	1.178	1.176	1.194	3.3
trans-1,3-Dichloropropene	0.658	0.732	0.679	0.695	0.705	0.694	4.0
1,1,2-Trichloroethane	0.435	0.471	0.425	0.430	0.425	0.437	4.5
Tetrachloroethene	0.410	0.411	0.401	0.410	0.409	0.408	1.0
2-Hexanone	0.320	0.331	0.337	0.334	0.346	0.334	2.8
Dibromochloromethane	0.759	0.845	0.787	0.813	0.823	0.805	4.1
1,2-Dibromoethane	0.682	0.755	0.692	0.703	0.707	0.708	4.0
Chlorobenzene	0.948	1.003	0.944	0.961	0.949	0.961	2.6
Ethylbenzene	1.449	1.502	1.464	1.472	1.437	1.465	1.7
o-Xylene	0.512	0.524	0.511	0.517	0.538	0.520	2.1
m,p-Xylene	0.523	0.528	0.523	0.525	0.505	0.521	1.7
Styrene	0.863	0.917	0.916	0.914	0.958	0.914	3.7
Bromoform	0.887	1.002	0.948	0.987	1.042	0.973	6.0
Isopropylbenzene	1.526	1.489	1.515	1.502	1.522	1.511	1.0
1,1,2,2-Tetrachloroethane	0.846	0.909	0.849	0.838	0.900	0.869	3.8
1,3-Dichlorobenzene	1.402	1.435	1.381	1.446	1.430	1.419	1.9
1,4-Dichlorobenzene	1.583	1.569	1.546	1.563	1.582	1.569	1.0
1,2-Dichlorobenzene	1.362	1.415	1.349	1.434	1.431	1.398	2.9
1,2-Dibromo-3-chloropropane	0.361	0.392	0.364	0.376	0.381	0.375	3.4
1,2,4-Trichlorobenzene	1.014	0.998	0.983	1.005	0.991	0.998	1.2
1,2,3-Trichlorobenzene	0.953	0.974	0.929	0.966	0.959	0.956	1.8

SOM01.2

6C - FORM VI VOA-3
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: N.i Calibration Date(s): 01/13/2010 01/13/2010

Heated Purge: (Y/N) Y Calibration Time(s): 1704 1856

Purge Volume: 10.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF2.5 = NZA005V RRF5.0 = NZA010V
RRF25 = NZA050V RRF50 = NZA100V RRF100 = NZA200V

COMPOUND	RRF2.5	RRF5.0	RRF25	RRF50	RRF100	$\overline{RRF}$	%RSD	
Vinyl chloride-d3	0.423	0.461	0.430	0.477	0.493	0.457	6.5	
Chloroethane-d5	0.382	0.401	0.360	0.371	0.351	0.373	5.2	
1,1-Dichloroethene-d2	1.123	1.178	1.119	1.175	1.247	1.169	4.4	
2-Butanone-d5	0.209	0.185	0.211	0.212	0.225	0.208	7.1	
Chloroform-d	0.951	1.005	0.977	1.003	1.019	0.991	2.7	
1,2-Dichloroethane-d4	0.424	0.449	0.411	0.415	0.416	0.423	3.6	
Benzene-d6	0.998	1.061	0.936	0.966	0.975	0.987	4.8	
1,2-Dichloropropane-d6	0.487	0.725	0.505	0.482	0.612	0.562	18.8	
Toluene-d8	1.118	1.200	1.111	1.133	1.127	1.138	3.1	
trans-1,3-Dichloropropene-d4	0.615	0.692	0.645	0.667	0.669	0.658	4.4	
2-Hexanone-d5	0.163	0.162	0.169	0.167	0.173	0.167	2.6	
1,4-Dioxane-d8	0.003	0.004	0.004	0.004	0.004	0.004	7.2	<-
1,1,2,2-Tetrachloroethane-d2	0.860	0.929	0.871	0.863	0.926	0.890	3.9	
1,2-Dichlorobenzene-d4	0.901	0.938	0.890	0.957	0.962	0.929	3.5	

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

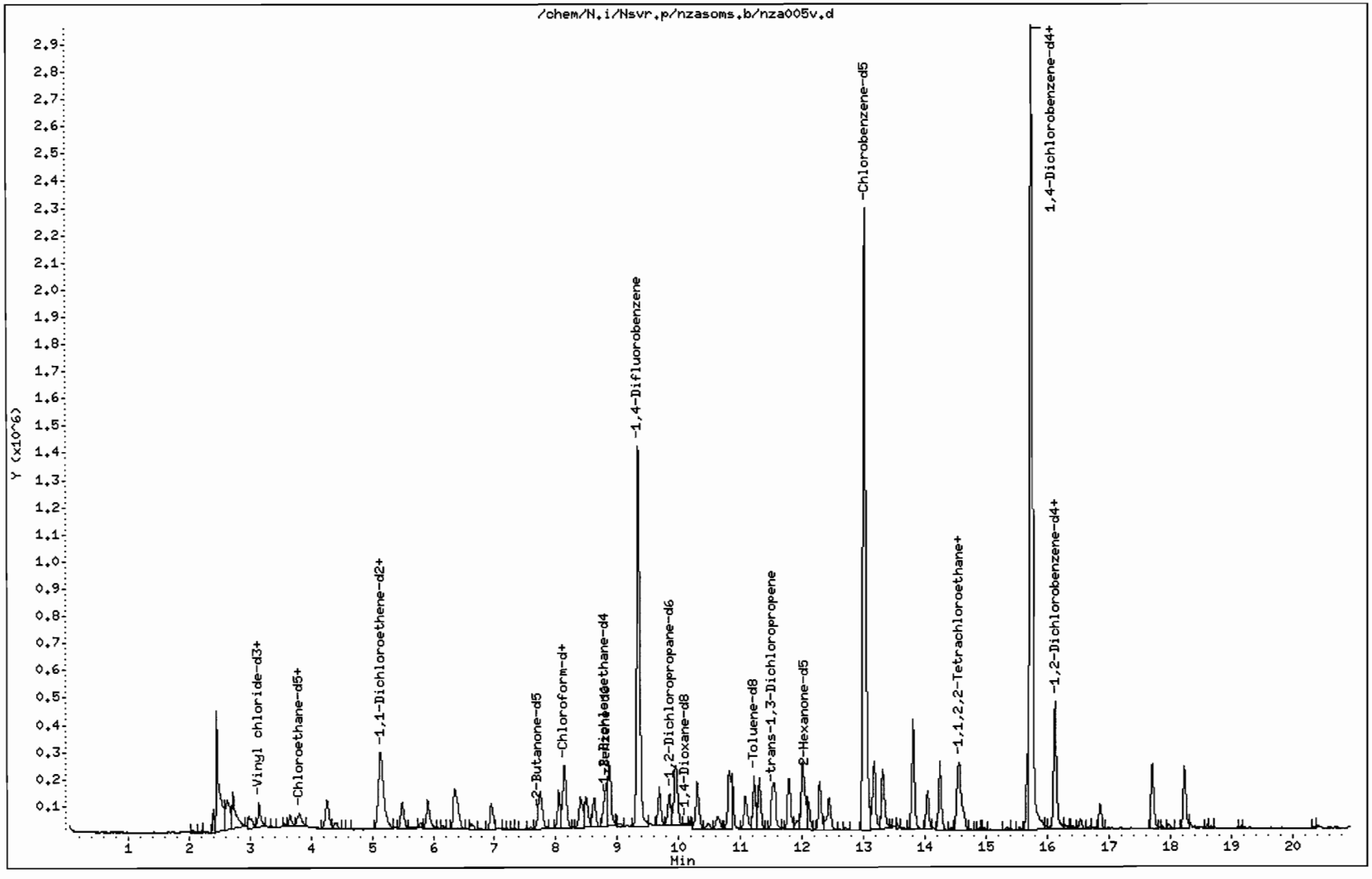
SOM01.2

Data File: /chem/N.i/Nsvr.p/nzasoms.b/nza005v.d
Date : 13-JAN-2010 17:04
Client ID: VSTD2.5NO
Sample Info:

Instrument: N.i

Operator: JP1
Column diameter: 0.53

Column phase: DB-624



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LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzasoms.b/nza005v.d
Lab Smp Id: VSTD2.5N0 Client Smp ID: VSTD2.5N0
Inj Date : 13-JAN-2010 17:04
Operator : JP1 Inst ID: N.i
Smp Info :
Misc Info : VSTD2.5N0,011310NO,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzasoms.b/soms4.m
Meth Date : 15-Jan-2010 08:53 cmp Quant Type: ISTD
Cal Date : 13-JAN-2010 17:04 Cal File: nza005v.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	2.726	2.722	(0.292)	173019	2.50000	2.5
	2 Chloromethane	50	2.992	2.988	(0.320)	93788	2.50000	2.5
$	3 Vinyl chloride-d3	65	3.150	3.145	(0.337)	81340	2.50000	2.5
	4 Vinyl chloride	62	3.160	3.155	(0.338)	89598	2.50000	2.5
	5 Bromomethane	94	3.662	3.628	(0.392)	54669	2.50000	2.5
$	6 Chloroethane-d5	69	3.790	3.756	(0.406)	73452	2.50000	2.5
	7 Chloroethane	64	3.829	3.806	(0.410)	55753	2.50000	2.5
	8 Trichlorofluoromethane	101	4.263	4.249	(0.456)	194070	2.50000	2.5
$	9 1,1-Dichloroethene-d2	63	5.120	5.116	(0.548)	215906	2.50000	2.5
	10 1,1-Dichloroethene	96	5.140	5.136	(0.550)	78975	2.50000	2.5
	11 1,1,2-Trichloro-1,2,2-trifluo	101	5.159	5.155	(0.552)	182319	2.50000	2.5
	12 Acetone	43	5.238	5.244	(0.560)	58188	5.00000	5.0
	13 Carbon disulfide	76	5.494	5.490	(0.588)	245511	2.50000	2.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	14 Methyl acetate	43	5.790	5.786	(0.619)	51871	2.50000	2.5
	15 Methylene chloride	84	5.908	5.904	(0.632)	84129	2.50000	2.5
	16 trans-1,2-Dichloroethene	96	6.351	6.347	(0.680)	86234	2.50000	2.5
	17 Methyl tert-butyl ether	73	6.401	6.397	(0.685)	174826	2.50000	2.5
	18 1,1-Dichloroethane	63	6.952	6.948	(0.744)	173045	2.50000	2.5
$	19 2-Butanone-d5	46	7.701	7.707	(0.824)	80175	5.00000	5.0
	20 cis-1,2-Dichloroethene	96	7.741	7.736	(0.828)	82506	2.50000	2.5
	21 2-Butanone	43	7.790	7.786	(0.833)	72200	5.00000	5.0
	22 Bromochloromethane	128	8.046	8.052	(0.861)	51991	2.50000	2.5
$	23 Chloroform-d	84	8.125	8.121	(0.869)	182793	2.50000	2.5
	24 Chloroform	83	8.154	8.150	(0.872)	173596	2.50000	2.5
	25 1,1,1-Trichloroethane	97	8.401	8.406	(0.646)	135082	2.50000	2.5
	26 Cyclohexane	56	8.489	8.495	(0.652)	116766	2.50000	2.5
	27 Carbon tetrachloride	117	8.627	8.633	(0.663)	124398	2.50000	2.5
$	28 1,2-Dichloroethane-d4	65	8.785	8.790	(0.940)	81562	2.50000	2.5
$	29 Benzene-d6	84	8.824	8.830	(0.678)	209634	2.50000	2.5
	30 Benzene	78	8.874	8.879	(0.682)	192791	2.50000	2.5
	31 1,2-Dichloroethane	62	8.874	8.889	(0.949)	89874	2.50000	2.5
*	32 1,4-Difluorobenzene	114	9.346	9.352	(1.000)	1922060	25.0000	
	33 Trichloroethene	95	9.681	9.697	(0.744)	91082	2.50000	2.5
$	34 1,2-Dichloropropane-d6	67	9.849	9.854	(0.757)	102253	2.50000	2.5
	35 Methylcyclohexane	55	9.947	9.953	(0.765)	87899	2.50000	2.5
	36 1,2-Dichloropropane	63	9.957	9.963	(0.765)	80897	2.50000	2.5
$	37 1,4-Dioxane-d8	96	10.105	10.111	(1.081)	12987	50.0000	50
	38 1,4-Dioxane	88	10.174	10.180	(1.089)	17905	50.0000	50
	39 Bromodichloromethane	83	10.292	10.308	(0.791)	203363	2.50000	2.5
	40 cis-1,3-Dichloropropene	75	10.864	10.869	(0.835)	162066	2.50000	2.5
	41 4-Methyl-2-pentanone	43	11.080	11.076	(0.852)	190837	5.00000	5.0
$	42 Toluene-d8	98	11.218	11.224	(0.862)	234830	2.50000	2.5
	43 Toluene	91	11.307	11.312	(0.869)	246767	2.50000	2.5
$	44 trans-1,3-Dichloropropene-d4	79	11.514	11.510	(0.885)	129222	2.50000	2.5
	45 trans-1,3-Dichloropropene	75	11.553	11.549	(0.888)	138125	2.50000	2.5
	46 1,1,2-Trichloroethane	97	11.790	11.785	(0.906)	91291	2.50000	2.5
	47 Tetrachloroethene	164	12.006	12.002	(0.923)	86139	2.50000	2.5
$	48 2-Hexanone-d5	63	12.036	12.041	(0.925)	68594	5.00000	5.0
	49 2-Hexanone	43	12.105	12.101	(0.930)	134544	5.00000	5.0
	50 Dibromochloromethane	129	12.282	12.288	(0.944)	159382	2.50000	2.5
	51 1,2-Dibromoethane	107	12.440	12.436	(0.956)	143175	2.50000	2.5
*	52 Chlorobenzene-d5	117	13.011	13.007	(1.000)	2099935	25.0000	
	53 Chlorobenzene	112	13.051	13.046	(1.003)	199027	2.50000	2.5
	54 Ethylbenzene	91	13.169	13.174	(1.012)	304331	2.50000	2.5
	55 m,p-Xylene	106	13.317	13.312	(1.023)	109780	2.50000	2.5
	56 o-Xylene	106	13.799	13.805	(1.061)	107519	2.50000	2.5
	57 Styrene	104	13.809	13.815	(1.061)	181225	2.50000	2.5
	58 Bromoform	173	14.036	14.041	(0.892)	103885	2.50000	2.5
	59 Isopropylbenzene	105	14.243	14.248	(1.095)	320507	2.50000	2.5
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.538	14.544	(1.117)	180600	2.50000	2.5

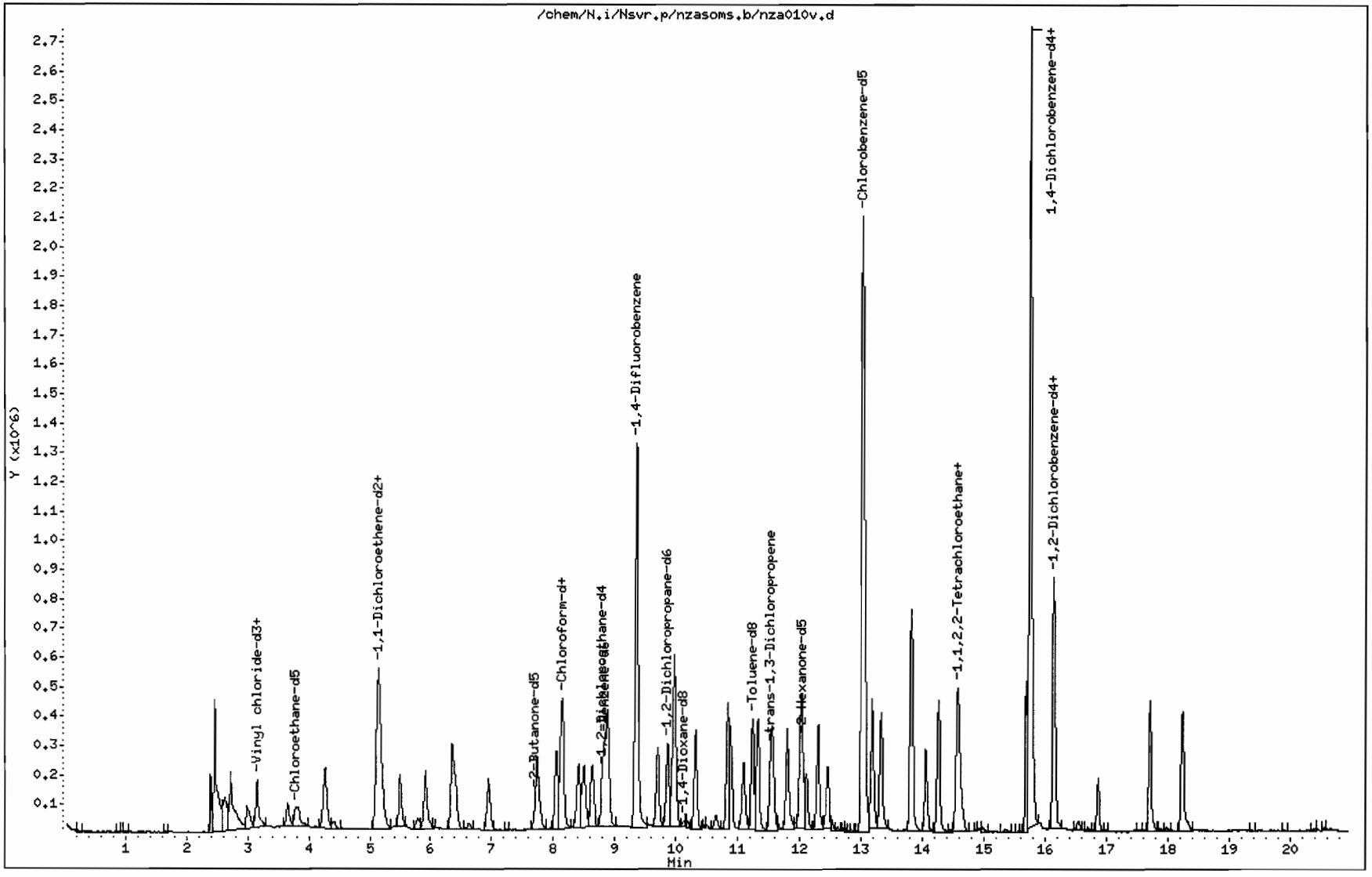
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	61 1,1,2,2-Tetrachloroethane	83	14.568	14.573	(1.120)	177682	2.50000	2.5
	62 1,3-Dichlorobenzene	146	15.671	15.677	(0.996)	164126	2.50000	2.5
*	63 1,4-Dichlorobenzene-d4	152	15.740	15.746	(1.000)	1171012	25.0000	
	64 1,4-Dichlorobenzene	146	15.760	15.765	(1.001)	185350	2.50000	2.5
$	65 1,2-Dichlorobenzene-d4	152	16.114	16.120	(1.024)	105459	2.50000	2.5
	66 1,2-Dichlorobenzene	146	16.134	16.140	(1.025)	159530	2.50000	2.5
	67 1,2-Dibromo-3-chloropropane	75	16.853	16.859	(1.071)	42234	2.50000	2.5
	68 1,2,4-Trichlorobenzene	180	17.710	17.716	(1.125)	118693	2.50000	2.5
	69 1,2,3-Trichlorobenzene	180	18.233	18.238	(1.158)	111617	2.50000	2.5

Data File: /chem/N.i/Nsvr.p/nzasoms.b/nza010v.d
Date : 13-JAN-2010 17:32
Client ID: VSTD005NO
Sample Info:

Column phase: DB-624

Instrument: N.i

Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzasoms.b/nza010v.d
Lab Smp Id: VSTD005N0 Client Smp ID: VSTD005N0
Inj Date : 13-JAN-2010 17:32
Operator : JP1 Inst ID: N.i
Smp Info :
Misc Info : VSTD005N0,011310NO,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzasoms.b/soms4.m
Meth Date : 15-Jan-2010 08:53 cmp Quant Type: ISTD
Cal Date : 13-JAN-2010 17:32 Cal File: nza010v.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	2.720	2.722	(0.291)	337224	5.00000	5.1
	2 Chloromethane	50	2.986	2.988	(0.319)	186361	5.00000	5.2
$	3 Vinyl chloride-d3	65	3.144	3.145	(0.336)	164239	5.00000	5.2
	4 Vinyl chloride	62	3.154	3.155	(0.337)	179771	5.00000	5.2
	5 Bromomethane	94	3.656	3.628	(0.391)	116234	5.00000	5.3
$	6 Chloroethane-d5	69	3.784	3.756	(0.405)	142806	5.00000	5.1
	7 Chloroethane	64	3.834	3.806	(0.410)	109947	5.00000	5.2
	8 Trichlorofluoromethane	101	4.267	4.249	(0.456)	385292	5.00000	5.2
$	9 1,1-Dichloroethene-d2	63	5.124	5.116	(0.548)	419503	5.00000	5.1
	10 1,1-Dichloroethene	96	5.144	5.136	(0.550)	154800	5.00000	5.1
	11 1,1,2-Trichloro-1,2,2-trifluo	101	5.174	5.155	(0.553)	351382	5.00000	5.1
	12 Acetone	43	5.243	5.244	(0.561)	84027	10.0000	8.8
	13 Carbon disulfide	76	5.499	5.490	(0.588)	482736	5.00000	5.1

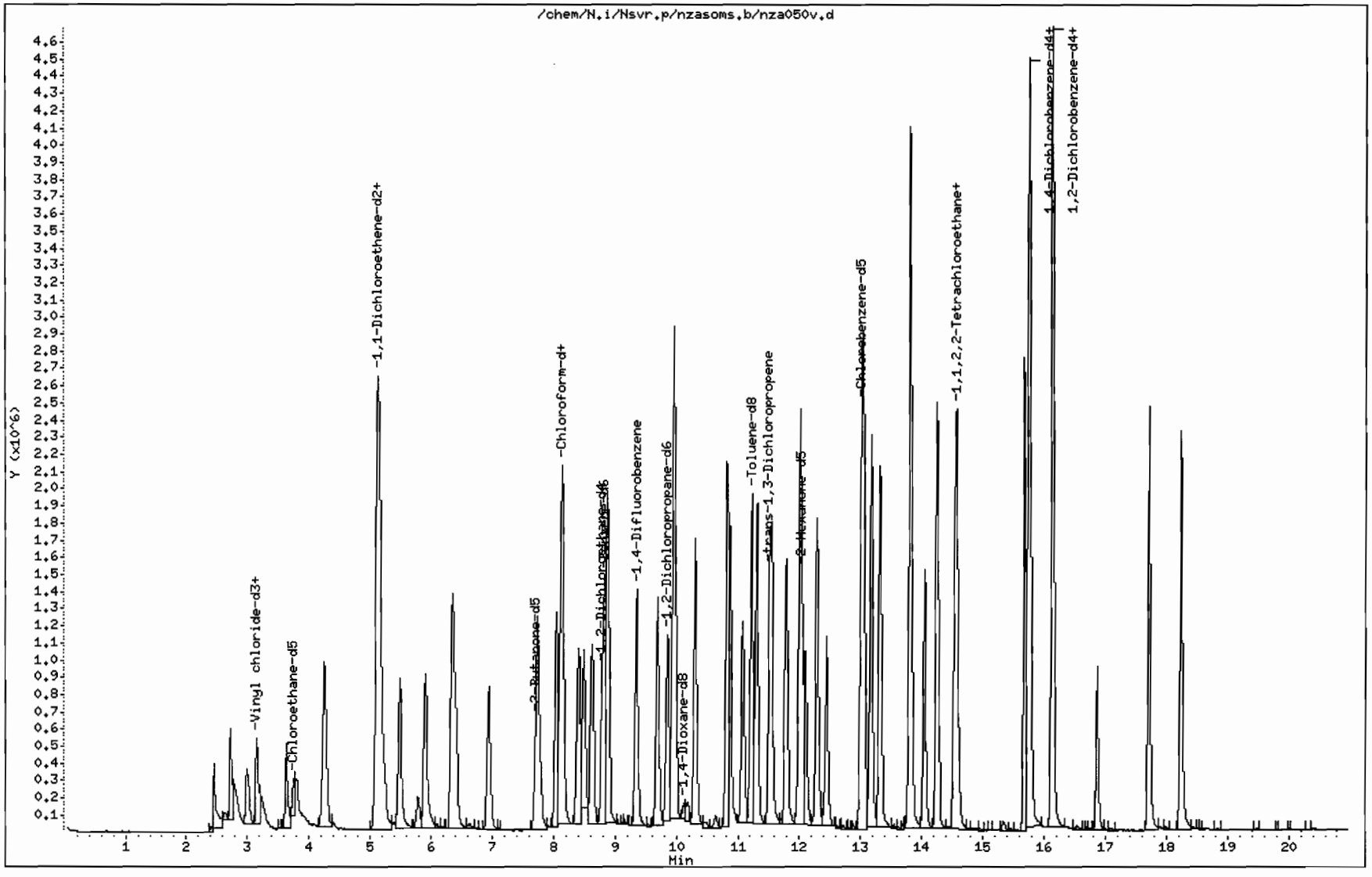
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	14 Methyl acetate	43	5.794	5.786	(0.620)	101108	5.00000	5.1
	15 Methylene chloride	84	5.912	5.904	(0.632)	162775	5.00000	5.1
	16 trans-1,2-Dichloroethene	96	6.356	6.347	(0.680)	168191	5.00000	5.1
	17 Methyl tert-butyl ether	73	6.405	6.397	(0.685)	340178	5.00000	5.1
	18 1,1-Dichloroethane	63	6.947	6.948	(0.743)	343761	5.00000	5.2
$	19 2-Butanone-d5	46	7.705	7.707	(0.824)	131461	10.0000	9.4
	20 cis-1,2-Dichloroethene	96	7.745	7.736	(0.828)	158637	5.00000	5.1
	21 2-Butanone	43	7.784	7.786	(0.832)	118414	10.0000	9.4
	22 Bromochloromethane	128	8.050	8.052	(0.861)	104616	5.00000	5.2
$	23 Chloroform-d	84	8.119	8.121	(0.868)	358099	5.00000	5.1
	24 Chloroform	83	8.149	8.150	(0.871)	356264	5.00000	5.3
	25 1,1,1-Trichloroethane	97	8.405	8.406	(0.646)	272060	5.00000	5.3
	26 Cyclohexane	56	8.494	8.495	(0.653)	222548	5.00000	5.1
	27 Carbon tetrachloride	117	8.622	8.633	(0.662)	246486	5.00000	5.2
$	28 1,2-Dichloroethane-d4	65	8.789	8.790	(0.940)	159799	5.00000	5.1
$	29 Benzene-d6	84	8.829	8.830	(0.678)	404292	5.00000	5.2
	30 Benzene	78	8.878	8.879	(0.682)	366253	5.00000	5.1
	31 1,2-Dichloroethane	62	8.888	8.889	(0.950)	186926	5.00000	5.3
*	32 1,4-Difluorobenzene	114	9.351	9.352	(1.000)	1781025	25.0000	
	33 Trichloroethene	95	9.705	9.697	(0.746)	174860	5.00000	5.1
$	34 1,2-Dichloropropane-d6	67	9.863	9.854	(0.758)	276291	5.00000	6.0
	35 Methylcyclohexane	55	9.961	9.953	(0.765)	222878	5.00000	5.8
	36 1,2-Dichloropropane	63	9.981	9.963	(0.767)	216877	5.00000	6.0
$	37 1,4-Dioxane-d8	96	10.129	10.111	(1.083)	28179	100.000	110
	38 1,4-Dioxane	88	10.188	10.180	(1.090)	30020	100.000	95
	39 Bromodichloromethane	83	10.316	10.308	(0.793)	399279	5.00000	5.2
	40 cis-1,3-Dichloropropene	75	10.888	10.869	(0.836)	324520	5.00000	5.2
	41 4-Methyl-2-pentanone	43	11.085	11.076	(0.852)	356620	10.0000	10
$	42 Toluene-d8	98	11.232	11.224	(0.863)	456959	5.00000	5.2
	43 Toluene	91	11.321	11.312	(0.870)	481752	5.00000	5.2
$	44 trans-1,3-Dichloropropene-d4	79	11.518	11.510	(0.885)	263649	5.00000	5.3
	45 trans-1,3-Dichloropropene	75	11.557	11.549	(0.888)	278974	5.00000	5.3
	46 1,1,2-Trichloroethane	97	11.794	11.785	(0.906)	179469	5.00000	5.2
	47 Tetrachloroethene	164	12.020	12.002	(0.924)	156377	5.00000	5.0
$	48 2-Hexanone-d5	63	12.050	12.041	(0.926)	123719	10.0000	10
	49 2-Hexanone	43	12.109	12.101	(0.930)	251969	10.0000	10
	50 Dibromochloromethane	129	12.296	12.288	(0.945)	321857	5.00000	5.3
	51 1,2-Dibromoethane	107	12.444	12.436	(0.956)	287544	5.00000	5.3
*	52 Chlorobenzene-d5	117	13.015	13.007	(1.000)	1904465	25.0000	
	53 Chlorobenzene	112	13.055	13.046	(1.003)	382155	5.00000	5.1
	54 Ethylbenzene	91	13.183	13.174	(1.013)	572234	5.00000	5.1
	55 m,p-Xylene	106	13.321	13.312	(1.023)	201203	5.00000	5.0
	56 o-Xylene	106	13.813	13.805	(1.061)	199418	5.00000	5.1
	57 Styrene	104	13.823	13.815	(1.062)	349399	5.00000	5.2
	58 Bromoform	173	14.050	14.041	(0.892)	207494	5.00000	5.3
	59 Isopropylbenzene	105	14.257	14.248	(1.095)	567062	5.00000	4.9
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.552	14.544	(1.118)	353909	5.00000	5.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	61 1,1,2,2-Tetrachloroethane	83	14.582	14.573	(1.120)	346306	5.00000	5.2
	62 1,3-Dichlorobenzene	146	15.685	15.677	(0.996)	297296	5.00000	5.1
*	63 1,4-Dichlorobenzene-d4	152	15.754	15.746	(1.000)	1035576	25.0000	
	64 1,4-Dichlorobenzene	146	15.774	15.765	(1.001)	325029	5.00000	5.0
$	65 1,2-Dichlorobenzene-d4	152	16.129	16.120	(1.024)	194354	5.00000	5.1
	66 1,2-Dichlorobenzene	146	16.148	16.140	(1.025)	293129	5.00000	5.1
	67 1,2-Dibromo-3-chloropropane	75	16.858	16.859	(1.070)	81088	5.00000	5.2
	68 1,2,4-Trichlorobenzene	180	17.705	17.716	(1.124)	206777	5.00000	5.0
	69 1,2,3-Trichlorobenzene	180	18.237	18.238	(1.158)	201772	5.00000	5.1

Data File: /chem/N.i/Nsvr.p/nzasoms.b/nza050v.d
Date : 13-JAN-2010 18:00
Client ID: VSTD025NO
Sample Info:

Instrument: N.i
Operator: JP1
Column diameter: 0.53

Column phase: DB-624



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzasoms.b/nza050v.d
Lab Smp Id: VSTD025N0 Client Smp ID: VSTD025N0
Inj Date : 13-JAN-2010 18:00
Operator : JP1 Inst ID: N.i
Smp Info :
Misc Info : VSTD025N0,011310NO,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzasoms.b/soms4.m
Meth Date : 15-Jan-2010 08:53 cmp Quant Type: ISTD
Cal Date : 13-JAN-2010 18:00 Cal File: nza050v.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	2.722	2.722	(0.291)	1597647	25.0000	24
	2 Chloromethane	50	2.988	2.988	(0.319)	862985	25.0000	24
$	3 Vinyl chloride-d3	65	3.145	3.145	(0.336)	781881	25.0000	25
	4 Vinyl chloride	62	3.155	3.155	(0.337)	859526	25.0000	25
	5 Bromomethane	94	3.628	3.628	(0.388)	634486	25.0000	27(M)
$	6 Chloroethane-d5	69	3.756	3.756	(0.402)	653888	25.0000	24
	7 Chloroethane	64	3.806	3.806	(0.407)	515781	25.0000	24
	8 Trichlorofluoromethane	101	4.249	4.249	(0.454)	1878250	25.0000	25
$	9 1,1-Dichloroethene-d2	63	5.116	5.116	(0.547)	2032731	25.0000	25
	10 1,1-Dichloroethene	96	5.136	5.136	(0.549)	737347	25.0000	24
	11 1,1,2-Trichloro-1,2,2-trifluo	101	5.155	5.155	(0.551)	1678021	25.0000	24
	12 Acetone	43	5.244	5.244	(0.561)	511256	50.0000	51
	13 Carbon disulfide	76	5.490	5.490	(0.587)	2367499	25.0000	25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	14 Methyl acetate	43	5.786	5.786	(0.619)	525994	25.0000	26
	15 Methylene chloride	84	5.904	5.904	(0.631)	771805	25.0000	24
	16 trans-1,2-Dichloroethene	96	6.347	6.347	(0.679)	810114	25.0000	24
	17 Methyl tert-butyl ether	73	6.397	6.397	(0.684)	1615361	25.0000	24
	18 1,1-Dichloroethane	63	6.948	6.948	(0.743)	1661807	25.0000	25
$	19 2-Butanone-d5	46	7.707	7.707	(0.824)	767445	50.0000	52
	20 cis-1,2-Dichloroethene	96	7.736	7.736	(0.827)	788767	25.0000	25
	21 2-Butanone	43	7.786	7.786	(0.832)	704912	50.0000	53
	22 Bromochloromethane	128	8.052	8.052	(0.861)	504422	25.0000	25
$	23 Chloroform-d	84	8.121	8.121	(0.868)	1774858	25.0000	25
	24 Chloroform	83	8.150	8.150	(0.871)	1672978	25.0000	24
	25 1,1,1-Trichloroethane	97	8.406	8.406	(0.646)	1315033	25.0000	24
	26 Cyclohexane	56	8.495	8.495	(0.653)	1029163	25.0000	23
	27 Carbon tetrachloride	117	8.633	8.633	(0.664)	1238520	25.0000	24
$	28 1,2-Dichloroethane-d4	65	8.790	8.790	(0.940)	747317	25.0000	24
$	29 Benzene-d6	84	8.830	8.830	(0.679)	1944939	25.0000	23
	30 Benzene	78	8.879	8.879	(0.683)	1801146	25.0000	24
	31 1,2-Dichloroethane	62	8.889	8.889	(0.950)	891414	25.0000	25
*	32 1,4-Difluorobenzene	114	9.352	9.352	(1.000)	1816447	25.0000	
	33 Trichloroethene	95	9.697	9.697	(0.746)	848367	25.0000	24
$	34 1,2-Dichloropropane-d6	67	9.854	9.854	(0.758)	1048019	25.0000	22
	35 Methylcyclohexane	55	9.953	9.953	(0.765)	1105096	25.0000	26
	36 1,2-Dichloropropane	63	9.963	9.963	(0.766)	1027179	25.0000	26
$	37 1,4-Dioxane-d8	96	10.111	10.111	(1.081)	143617	500.000	530
	38 1,4-Dioxane	88	10.180	10.180	(1.088)	149465	500.000	480
	39 Bromodichloromethane	83	10.308	10.308	(0.792)	1992122	25.0000	24
	40 cis-1,3-Dichloropropene	75	10.869	10.869	(0.836)	1625450	25.0000	24
	41 4-Methyl-2-pentanone	43	11.076	11.076	(0.852)	1802476	50.0000	48
$	42 Toluene-d8	98	11.224	11.224	(0.863)	2306960	25.0000	24
	43 Toluene	91	11.312	11.312	(0.870)	2443715	25.0000	24
$	44 trans-1,3-Dichloropropene-d4	79	11.510	11.510	(0.885)	1340216	25.0000	25
	45 trans-1,3-Dichloropropene	75	11.549	11.549	(0.888)	1410186	25.0000	25
	46 1,1,2-Trichloroethane	97	11.785	11.785	(0.906)	881919	25.0000	24
	47 Tetrachloroethene	164	12.002	12.002	(0.923)	832483	25.0000	25
$	48 2-Hexanone-d5	63	12.041	12.041	(0.926)	700636	50.0000	51
	49 2-Hexanone	43	12.101	12.101	(0.930)	1400297	50.0000	51
	50 Dibromochloromethane	129	12.288	12.288	(0.945)	1634549	25.0000	25
	51 1,2-Dibromoethane	107	12.436	12.436	(0.956)	1437370	25.0000	24
*	52 Chlorobenzene-d5	117	13.007	13.007	(1.000)	2077044	25.0000	
	53 Chlorobenzene	112	13.046	13.046	(1.003)	1960013	25.0000	24
	54 Ethylbenzene	91	13.174	13.174	(1.013)	3040119	25.0000	25
	55 m,p-Xylene	106	13.312	13.312	(1.023)	1086191	25.0000	25
	56 o-Xylene	106	13.805	13.805	(1.061)	1061237	25.0000	25
	57 Styrene	104	13.815	13.815	(1.062)	1902304	25.0000	25
	58 Bromoform	173	14.041	14.041	(0.892)	1105784	25.0000	25
	59 Isopropylbenzene	105	14.248	14.248	(1.095)	3145738	25.0000	25
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.544	14.544	(1.118)	1809175	25.0000	25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
61	1,1,2,2-Tetrachloroethane	83	14.573	14.573	(1.120)	1764004	25.0000	24
62	1,3-Dichlorobenzene	146	15.677	15.677	(0.996)	1610884	25.0000	25
* 63	1,4-Dichlorobenzene-d4	152	15.746	15.746	(1.000)	1166272	25.0000	
64	1,4-Dichlorobenzene	146	15.765	15.765	(1.001)	1802811	25.0000	25
$ 65	1,2-Dichlorobenzene-d4	152	16.120	16.120	(1.024)	1037422	25.0000	24
66	1,2-Dichlorobenzene	146	16.140	16.140	(1.025)	1572884	25.0000	25
67	1,2-Dibromo-3-chloropropane	75	16.859	16.859	(1.071)	424994	25.0000	24
68	1,2,4-Trichlorobenzene	180	17.716	17.716	(1.125)	1146500	25.0000	25
69	1,2,3-Trichlorobenzene	180	18.238	18.238	(1.158)	1083733	25.0000	24

QC Flag Legend

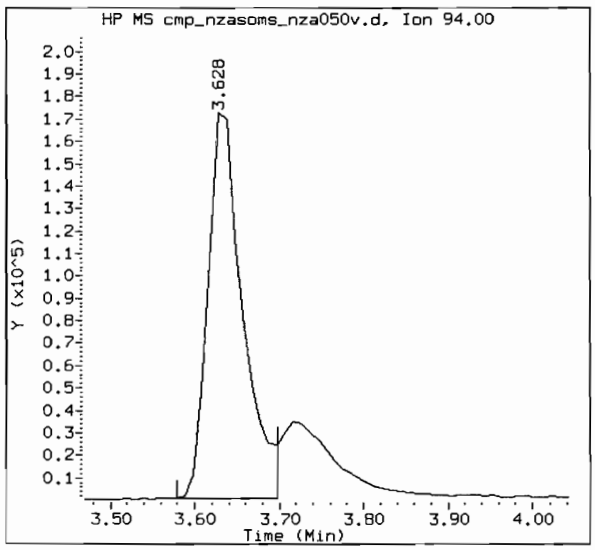
M - Compound response manually integrated.

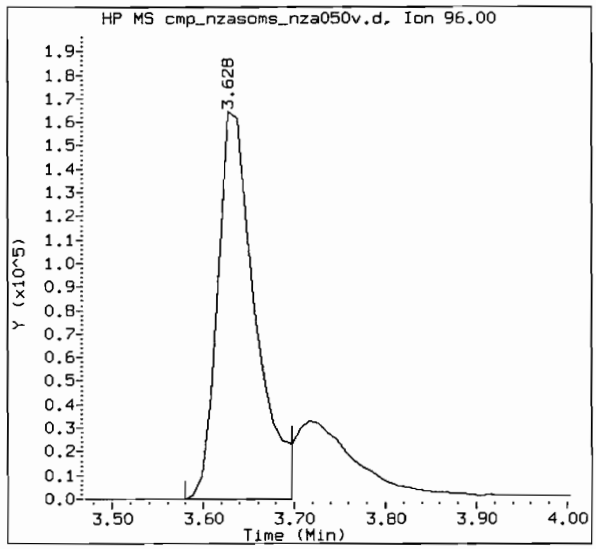
MANUAL INTEGRATION REPORT

Data File Name: nza050v.d
Client Sample ID: VSTD025N0
Compound Name: Bromomethane

Inj. Date and Time: 13-JAN-2010 18:00
Instrument ID: N.i
CAS #: 74-83-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/15/2010 08:53





Original Integrations:

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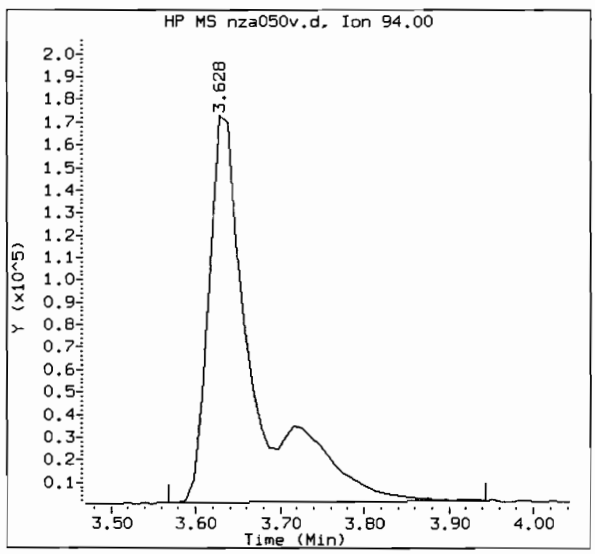
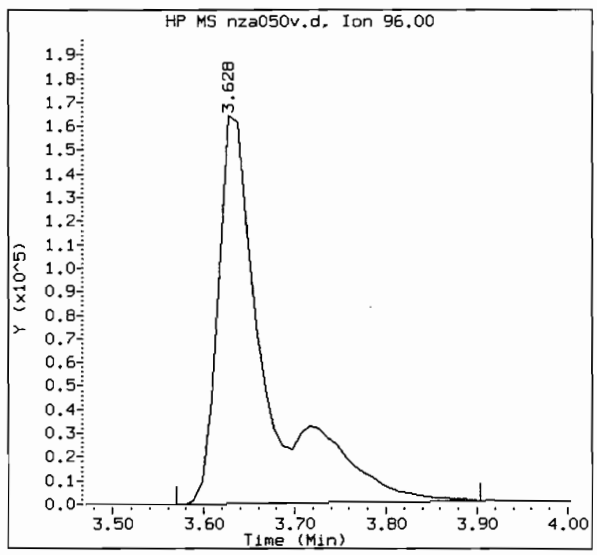




Final Integrations:

Area = 634486

Area = 613743

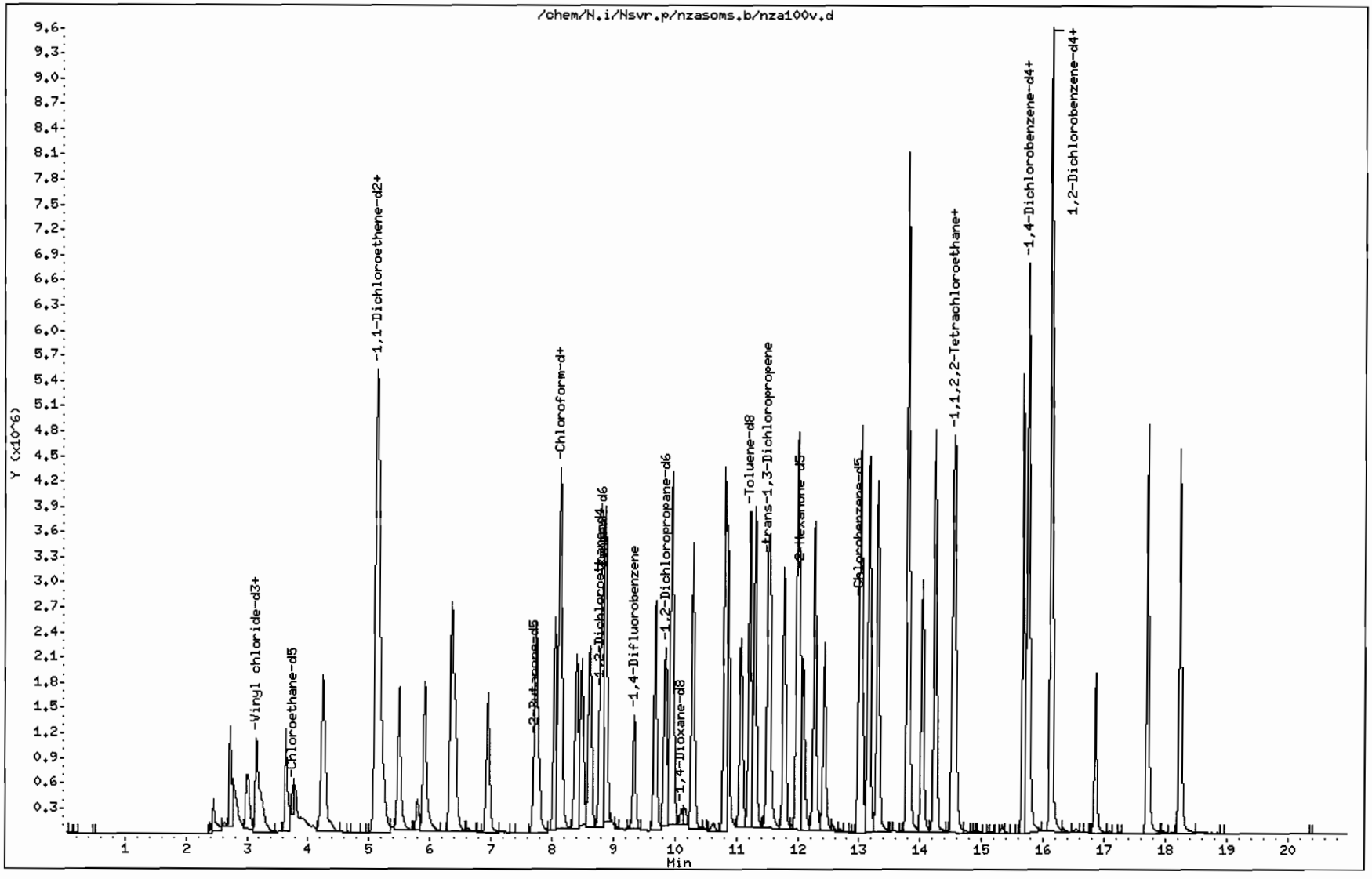
Manual Integration Reason: MI1 - Poor automated baseline

Data File: /chem/N.i/Nsvr.p/nzasoms.b/nza100v.d
Date : 13-JAN-2010 18:28
Client ID: VSTD050NO
Sample Info:

Column phase: DB-624

Instrument: N.i

Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzasoms.b/nza100v.d
Lab Smp Id: VSTD050N0 Client Smp ID: VSTD050N0
Inj Date : 13-JAN-2010 18:28
Operator : JP1 Inst ID: N.i
Smp Info :
Misc Info : VSTD050N0,011310NO,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzasoms.b/soms4.m
Meth Date : 15-Jan-2010 08:53 cmp Quant Type: ISTD
Cal Date : 13-JAN-2010 18:28 Cal File: nza100v.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	2.718	2.722	(0.291)	3455305	50.0000	52
	2 Chloromethane	50	3.004	2.988	(0.322)	1897193	50.0000	52
$	3 Vinyl chloride-d3	65	3.152	3.145	(0.337)	1727013	50.0000	53
	4 Vinyl chloride	62	3.161	3.155	(0.339)	1879157	50.0000	53
	5 Bromomethane	94	3.634	3.628	(0.389)	1525612	50.0000	61(M)
$	6 Chloroethane-d5	69	3.743	3.756	(0.401)	1343883	50.0000	49(M)
	7 Chloroethane	64	3.792	3.806	(0.406)	1070295	50.0000	50(M)
	8 Trichlorofluoromethane	101	4.245	4.249	(0.455)	3882878	50.0000	51
$	9 1,1-Dichloroethene-d2	63	5.112	5.116	(0.547)	4260105	50.0000	51
	10 1,1-Dichloroethene	96	5.132	5.136	(0.550)	1560531	50.0000	51
	11 1,1,2-Trichloro-1,2,2-trifluo	101	5.151	5.155	(0.552)	3489783	50.0000	50
	12 Acetone	43	5.250	5.244	(0.562)	1074207	100.000	110
	13 Carbon disulfide	76	5.496	5.490	(0.589)	4917843	50.0000	51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
14	Methyl acetate	43	5.792	5.786	(0.620)	1024528	50.0000	50
15	Methylene chloride	84	5.910	5.904	(0.633)	1593222	50.0000	50
16	trans-1,2-Dichloroethene	96	6.344	6.347	(0.679)	1644174	50.0000	50
17	Methyl tert-butyl ether	73	6.403	6.397	(0.686)	3248697	50.0000	49
18	1,1-Dichloroethane	63	6.944	6.948	(0.744)	3382158	50.0000	50
$ 19	2-Butanone-d5	46	7.703	7.707	(0.825)	1539620	100.000	100
20	cis-1,2-Dichloroethene	96	7.742	7.736	(0.829)	1613130	50.0000	51
21	2-Butanone	43	7.782	7.786	(0.833)	1372384	100.000	100
22	Bromochloromethane	128	8.048	8.052	(0.862)	1023544	50.0000	50
$ 23	Chloroform-d	84	8.127	8.121	(0.870)	3633943	50.0000	51
24	Chloroform	83	8.146	8.150	(0.872)	3370374	50.0000	50
25	1,1,1-Trichloroethane	97	8.403	8.406	(0.647)	2654586	50.0000	49
26	Cyclohexane	56	8.491	8.495	(0.654)	2042474	50.0000	47
27	Carbon tetrachloride	117	8.619	8.633	(0.663)	2532640	50.0000	51
$ 28	1,2-Dichloroethane-d4	65	8.777	8.790	(0.940)	1503847	50.0000	49
$ 29	Benzene-d6	84	8.816	8.830	(0.679)	3932678	50.0000	49
30	Benzene	78	8.875	8.879	(0.683)	3656317	50.0000	49
31	1,2-Dichloroethane	62	8.875	8.889	(0.950)	1749446	50.0000	49
* 32	1,4-Difluorobenzene	114	9.338	9.352	(1.000)	1812185	25.0000	
33	Trichloroethene	95	9.683	9.697	(0.745)	1710434	50.0000	49
$ 34	1,2-Dichloropropane-d6	67	9.841	9.854	(0.757)	1963100	50.0000	44
35	Methylcyclohexane	55	9.939	9.953	(0.765)	1608367	50.0000	41
36	1,2-Dichloropropane	63	9.959	9.963	(0.766)	1568578	50.0000	42
$ 37	1,4-Dioxane-d8	96	10.107	10.111	(1.082)	254900	1000.00	950
38	1,4-Dioxane	88	10.176	10.180	(1.090)	285131	1000.00	930
39	Bromodichloromethane	83	10.294	10.308	(0.792)	4033985	50.0000	50
40	cis-1,3-Dichloropropene	75	10.856	10.869	(0.835)	3275240	50.0000	50
41	4-Methyl-2-pentanone	43	11.072	11.076	(0.852)	3413816	100.000	94
$ 42	Toluene-d8	98	11.220	11.224	(0.864)	4613570	50.0000	50
43	Toluene	91	11.299	11.312	(0.870)	4795713	50.0000	49
$ 44	trans-1,3-Dichloropropene-d4	79	11.506	11.510	(0.886)	2714515	50.0000	51
45	trans-1,3-Dichloropropene	75	11.545	11.549	(0.889)	2828208	50.0000	50
46	1,1,2-Trichloroethane	97	11.772	11.785	(0.906)	1751236	50.0000	49
47	Tetrachloroethene	164	11.989	12.002	(0.923)	1667545	50.0000	50
$ 48	2-Hexanone-d5	63	12.028	12.041	(0.926)	1359405	100.000	100
49	2-Hexanone	43	12.087	12.101	(0.930)	2722361	100.000	100
50	Dibromochloromethane	129	12.274	12.288	(0.945)	3310585	50.0000	51
51	1,2-Dibromoethane	107	12.432	12.436	(0.957)	2863193	50.0000	50
* 52	Chlorobenzene-d5	117	12.993	13.007	(1.000)	2035863	25.0000	
53	Chlorobenzene	112	13.033	13.046	(1.003)	3914517	50.0000	50
54	Ethylbenzene	91	13.161	13.174	(1.013)	5993504	50.0000	50
55	m,p-Xylene	106	13.299	13.312	(1.024)	2137225	50.0000	50
56	o-Xylene	106	13.791	13.805	(1.061)	2104536	50.0000	50
57	Styrene	104	13.801	13.815	(1.062)	3720665	50.0000	51
58	Bromoform	173	14.028	14.041	(0.891)	2184569	50.0000	52
59	Isopropylbenzene	105	14.235	14.248	(1.096)	6115450	50.0000	50
$ 60	1,1,2,2-Tetrachloroethane-d2	84	14.530	14.544	(1.118)	3512343	50.0000	49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	
	61 1,1,2,2-Tetrachloroethane	83	14.560	14.573	(1.121)	3411623	50.0000	49	
	62 1,3-Dichlorobenzene	146	15.673	15.677	(0.996)	3198571	50.0000	51	
*	63 1,4-Dichlorobenzene-d4	152	15.742	15.746	(1.000)	1106192	25.0000		(Q)
	64 1,4-Dichlorobenzene	146	15.762	15.765	(1.001)	3457270	50.0000	50	
$	65 1,2-Dichlorobenzene-d4	152	16.116	16.120	(1.024)	2116707	50.0000	52	
	66 1,2-Dichlorobenzene	146	16.136	16.140	(1.025)	3172720	50.0000	52	
	67 1,2-Dibromo-3-chloropropane	75	16.855	16.859	(1.071)	832344	50.0000	50	
	68 1,2,4-Trichlorobenzene	180	17.702	17.716	(1.125)	2222629	50.0000	50	
	69 1,2,3-Trichlorobenzene	180	18.234	18.238	(1.158)	2138126	50.0000	51	

QC Flag Legend

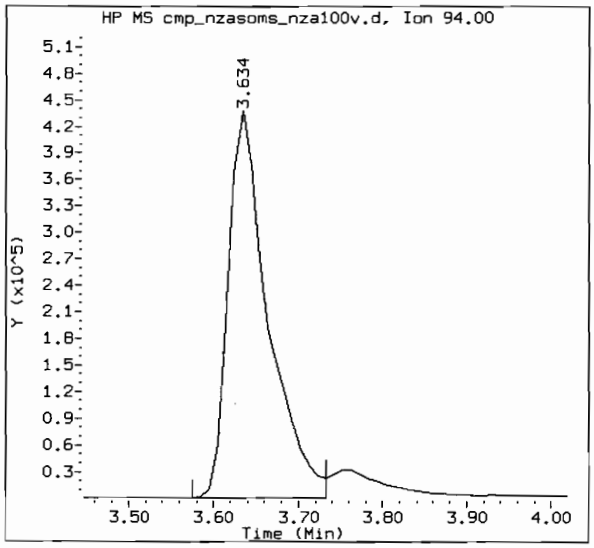
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

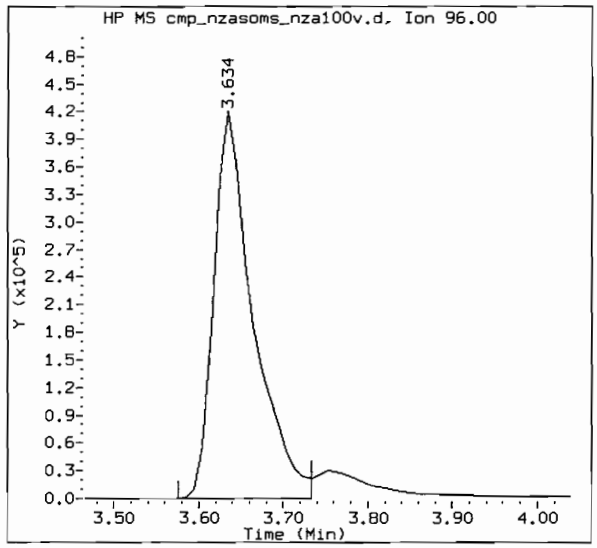
MANUAL INTEGRATION REPORT

Data File Name: nza100v.d
Client Sample ID: VSTD050N0
Compound Name: Bromomethane

Inj. Date and Time: 13-JAN-2010 18:28
Instrument ID: N.i
CAS #: 74-83-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/15/2010 08:53





Original Integrations:

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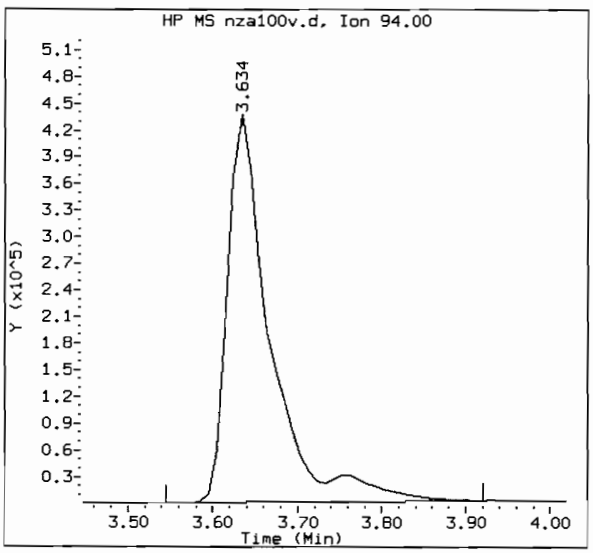
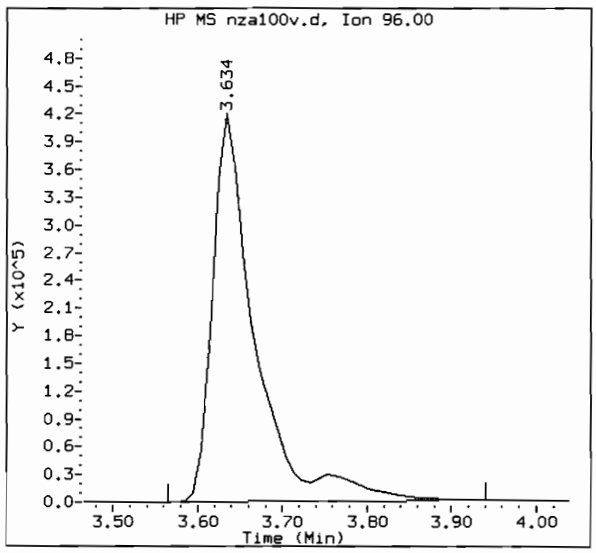
Area = 1354069





Final Integrations:

Area = 1525612

Area = 1468058

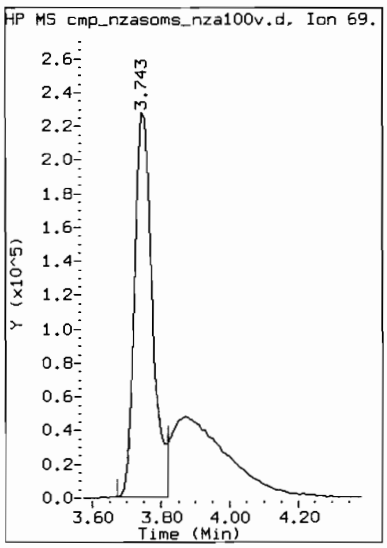
Manual Integration Reason: MI1 - Poor automated baseline

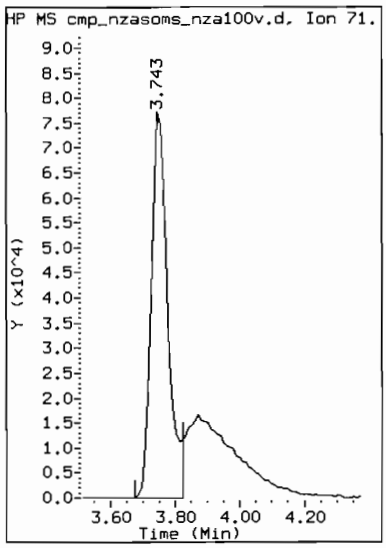
MANUAL INTEGRATION REPORT

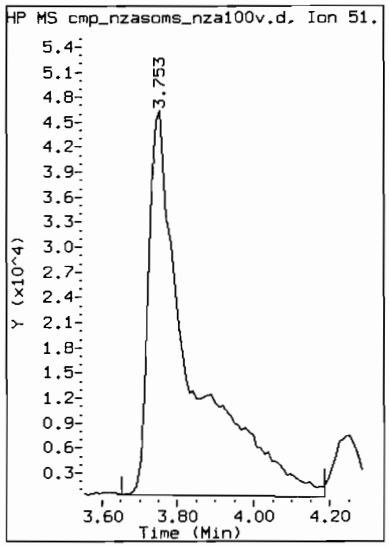
Data File Name: nza100v.d
Client Sample ID: VSTD050N0
Compound Name: Chloroethane-d5

Inj. Date and Time: 13-JAN-2010 18:28
Instrument ID: N.i
CAS #: 19199-91-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/15/2010 08:53







Original Integrations:

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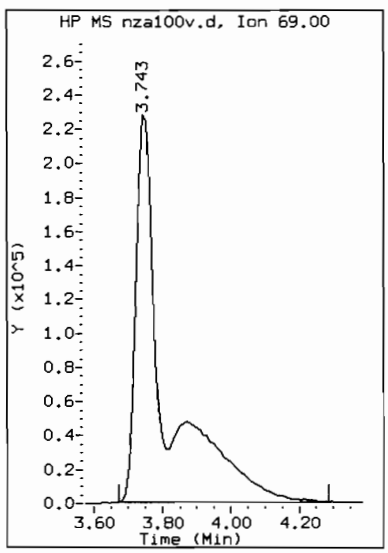
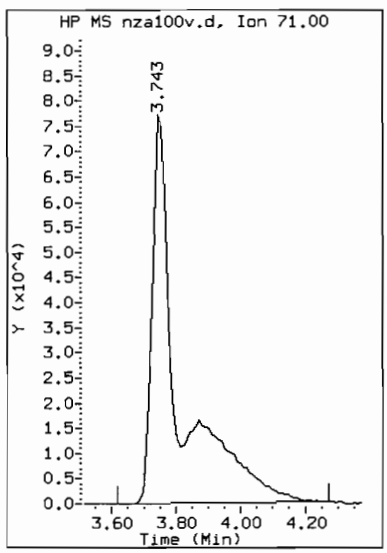
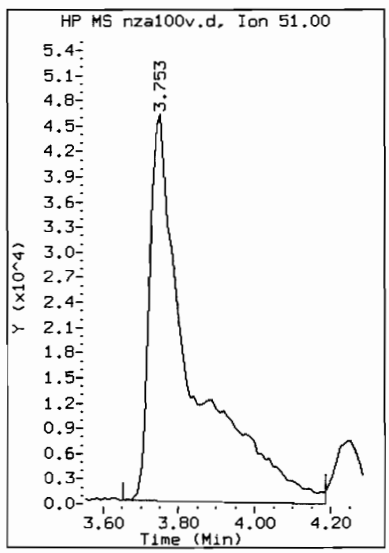






Final Integrations:

Area = 1343883 Area = 444799 Area = 352798

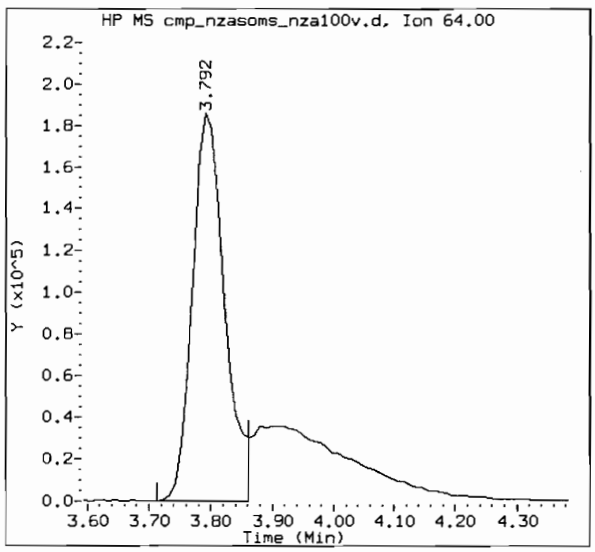
Manual Integration Reason: MI1 - Poor automated baseline

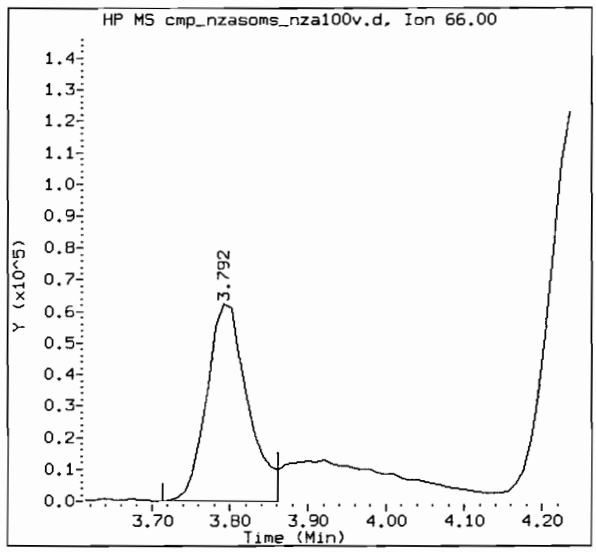
MANUAL INTEGRATION REPORT

Data File Name: nza100v.d
Client Sample ID: VSTD050N0
Compound Name: Chloroethane

Inj. Date and Time: 13-JAN-2010 18:28
Instrument ID: N.i
CAS #: 75-00-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/15/2010 08:53





Original Integrations:

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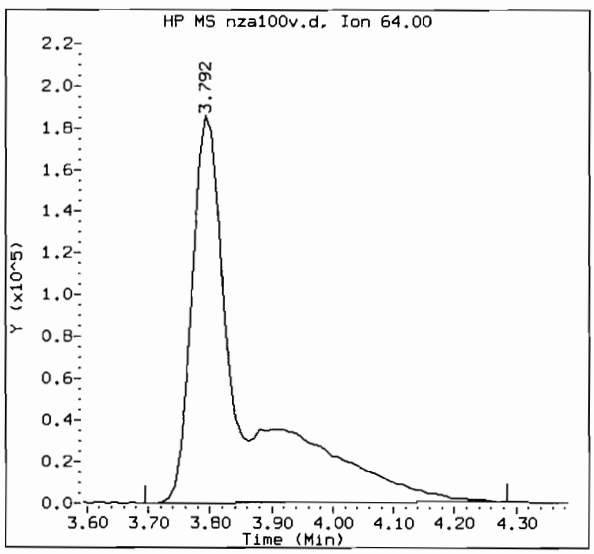
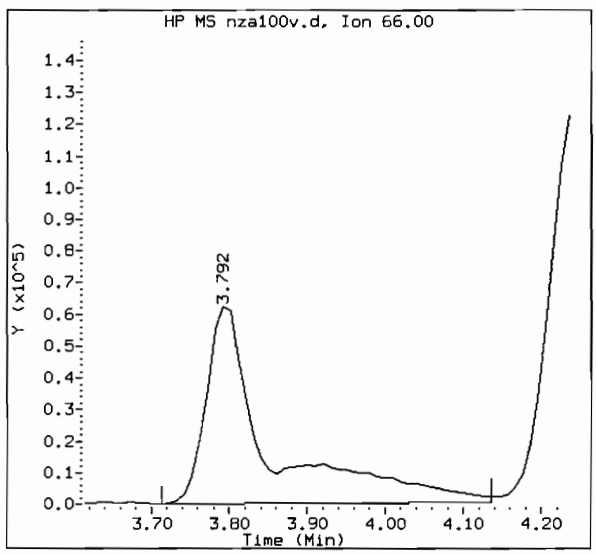
Area = 227247





Final Integrations:

Area = 1070295

Area = 350709

Manual Integration Reason: MI1 - Poor automated baseline

Data File: /chem/N.i/Nsvr.p/nzasoms.b/nza200v.d

Page 4

Date : 13-JAN-2010 18:56

Client ID: VSTD100N0

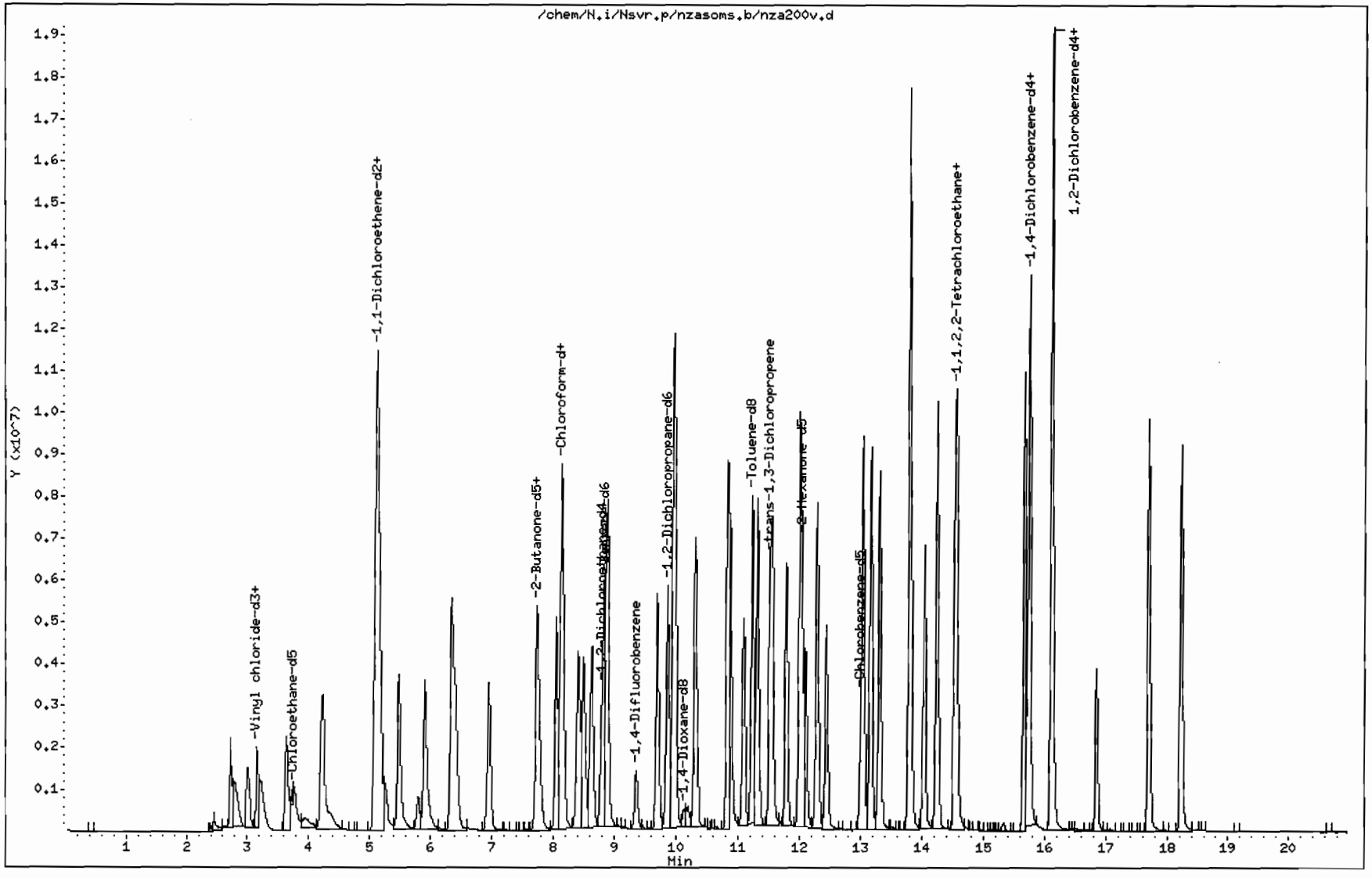
Instrument: N.i

Sample Info:

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzasoms.b/nza200v.d
Lab Smp Id: VSTD100N0 Client Smp ID: VSTD100N0
Inj Date : 13-JAN-2010 18:56
Operator : JP1 Inst ID: N.i
Smp Info :
Misc Info : VSTD100N0,011310NO,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzasoms.b/soms4.m
Meth Date : 15-Jan-2010 08:53 cmp Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	2.722	2.722	(0.291)	7085916	100.000	100 (A)
	2 Chloromethane	50	3.008	2.988	(0.322)	3904575	100.000	100 (A)
$	3 Vinyl chloride-d3	65	3.155	3.145	(0.337)	3607425	100.000	110 (A)
	4 Vinyl chloride	62	3.165	3.155	(0.338)	3888950	100.000	110 (A)
	5 Bromomethane	94	3.638	3.628	(0.389)	3201270	100.000	120 (A)
$	6 Chloroethane-d5	69	3.737	3.756	(0.400)	2574319	100.000	94 (M)
	7 Chloroethane	64	3.776	3.806	(0.404)	2041629	100.000	96 (M)
	8 Trichlorofluoromethane	101	4.229	4.249	(0.452)	7952490	100.000	100 (A)
$	9 1,1-Dichloroethene-d2	63	5.106	5.116	(0.546)	9133574	100.000	110 (A)
	10 1,1-Dichloroethene	96	5.126	5.136	(0.548)	3354407	100.000	110 (A)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	5.145	5.155	(0.550)	7476339	100.000	110 (A)
	12 Acetone	43	5.264	5.244	(0.563)	2150319	200.000	210 (A)
	13 Carbon disulfide	76	5.480	5.490	(0.586)	10607001	100.000	110 (A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	14 Methyl acetate	43	5.796	5.786	(0.620)	2301579	100.000	110(A)
	15 Methylene chloride	84	5.914	5.904	(0.632)	3380858	100.000	100(A)
	16 trans-1,2-Dichloroethene	96	6.347	6.347	(0.679)	3538069	100.000	100(A)
	17 Methyl tert-butyl ether	73	6.406	6.397	(0.685)	7013425	100.000	100(A)
	18 1,1-Dichloroethane	63	6.948	6.948	(0.743)	7143378	100.000	100(A)
$	19 2-Butanone-d5	46	7.717	7.707	(0.825)	3300212	200.000	220(A)
	20 cis-1,2-Dichloroethene	96	7.736	7.736	(0.827)	3302751	100.000	100(A)
	21 2-Butanone	43	7.796	7.786	(0.834)	2910429	200.000	210(A)
	22 Bromochloromethane	128	8.052	8.052	(0.861)	2121300	100.000	100(A)
$	23 Chloroform-d	84	8.130	8.121	(0.869)	7465499	100.000	100(A)
	24 Chloroform	83	8.150	8.150	(0.871)	6925936	100.000	100(A)
	25 1,1,1-Trichloroethane	97	8.406	8.406	(0.646)	5458691	100.000	99
	26 Cyclohexane	56	8.495	8.495	(0.653)	4167314	100.000	95
	27 Carbon tetrachloride	117	8.633	8.633	(0.664)	5185303	100.000	100(A)
$	28 1,2-Dichloroethane-d4	65	8.791	8.790	(0.940)	3044613	100.000	98
$	29 Benzene-d6	84	8.830	8.830	(0.679)	8147522	100.000	99
	30 Benzene	78	8.879	8.879	(0.683)	7463895	100.000	98
	31 1,2-Dichloroethane	62	8.889	8.889	(0.950)	3568721	100.000	99
*	32 1,4-Difluorobenzene	114	9.352	9.352	(1.000)	1830960	25.0000	
	33 Trichloroethene	95	9.697	9.697	(0.746)	3509820	100.000	98
$	34 1,2-Dichloropropane-d6	67	9.864	9.854	(0.758)	5116738	100.000	110(A)
	35 Methylcyclohexane	55	9.963	9.953	(0.766)	4590847	100.000	110(A)
	36 1,2-Dichloropropane	63	9.973	9.963	(0.767)	4260395	100.000	110(A)
$	37 1,4-Dioxane-d8	96	10.130	10.111	(1.083)	567520	2000.00	2100(A)
	38 1,4-Dioxane	88	10.199	10.180	(1.091)	610837	2000.00	2000
	39 Bromodichloromethane	83	10.318	10.308	(0.793)	8327453	100.000	100(A)
	40 cis-1,3-Dichloropropene	75	10.879	10.869	(0.836)	6697771	100.000	100
	41 4-Methyl-2-pentanone	43	11.096	11.076	(0.853)	7354890	200.000	200
$	42 Toluene-d8	98	11.234	11.224	(0.864)	9421315	100.000	99
	43 Toluene	91	11.322	11.312	(0.870)	9831777	100.000	98
$	44 trans-1,3-Dichloropropene-d4	79	11.519	11.510	(0.886)	5589621	100.000	100(A)
	45 trans-1,3-Dichloropropene	75	11.559	11.549	(0.889)	5891818	100.000	100(A)
	46 1,1,2-Trichloroethane	97	11.785	11.785	(0.906)	3554173	100.000	97
	47 Tetrachloroethene	164	12.012	12.002	(0.924)	3420371	100.000	100(A)
$	48 2-Hexanone-d5	63	12.042	12.041	(0.926)	2895375	200.000	210(A)
	49 2-Hexanone	43	12.111	12.101	(0.931)	5790514	200.000	210(A)
	50 Dibromochloromethane	129	12.288	12.288	(0.945)	6882058	100.000	100(A)
	51 1,2-Dibromoethane	107	12.445	12.436	(0.957)	5909835	100.000	100
*	52 Chlorobenzene-d5	117	13.007	13.007	(1.000)	2089791	25.0000	
	53 Chlorobenzene	112	13.046	13.046	(1.003)	7933754	100.000	99
	54 Ethylbenzene	91	13.175	13.174	(1.013)	12015118	100.000	98
	55 m,p-Xylene	106	13.312	13.312	(1.023)	4225476	100.000	97
	56 o-Xylene	106	13.805	13.805	(1.061)	4494757	100.000	100(A)
	57 Styrene	104	13.815	13.815	(1.062)	8004442	100.000	100(A)
	58 Bromoform	173	14.041	14.041	(0.892)	4783186	100.000	110(A)
	59 Isopropylbenzene	105	14.248	14.248	(1.095)	12724796	100.000	100(A)
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.534	14.544	(1.117)	7741714	100.000	100(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
61	1,1,2,2-Tetrachloroethane	83	14.564	14.573	(1.120)	7524276	100.000	100(A)
62	1,3-Dichlorobenzene	146	15.677	15.677	(0.996)	6562632	100.000	100(A)
* 63	1,4-Dichlorobenzene-d4	152	15.736	15.746	(1.000)	1147162	25.0000	(Q)
64	1,4-Dichlorobenzene	146	15.756	15.765	(1.001)	7259248	100.000	100(A)
$ 65	1,2-Dichlorobenzene-d4	152	16.120	16.120	(1.024)	4412908	100.000	100(A)
66	1,2-Dichlorobenzene	146	16.130	16.140	(1.025)	6566218	100.000	100(A)
67	1,2-Dibromo-3-chloropropane	75	16.849	16.859	(1.071)	1750044	100.000	100(A)
68	1,2,4-Trichlorobenzene	180	17.706	17.716	(1.125)	4549212	100.000	99
69	1,2,3-Trichlorobenzene	180	18.228	18.238	(1.158)	4401381	100.000	100(A)

QC Flag Legend

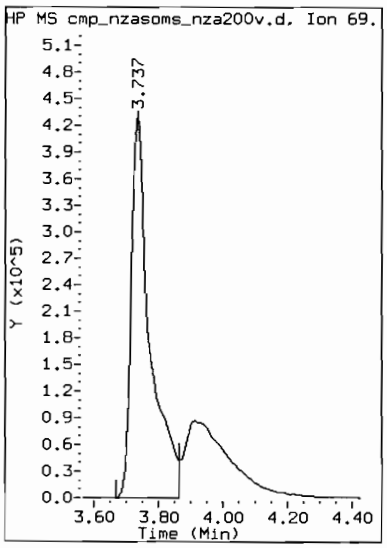
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

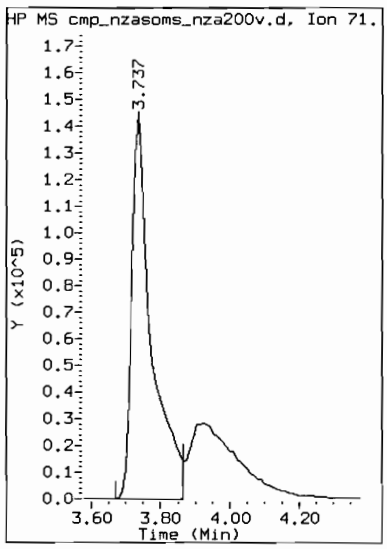
MANUAL INTEGRATION REPORT

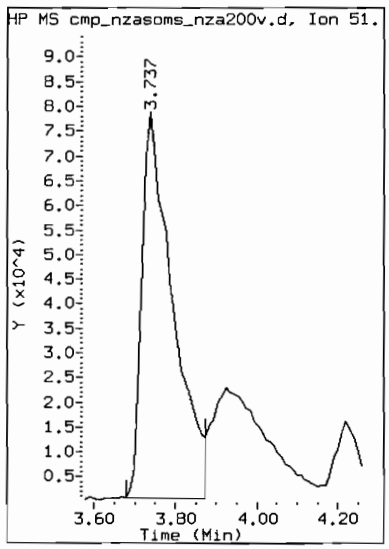
Data File Name: nza200v.d
Client Sample ID: VSTD100N0
Compound Name: Chloroethane-d5

Inj. Date and Time: 13-JAN-2010 18:56
Instrument ID: N.i
CAS #: 19199-91-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/15/2010 08:53

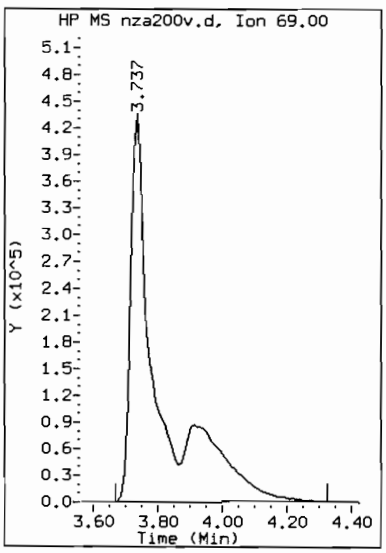


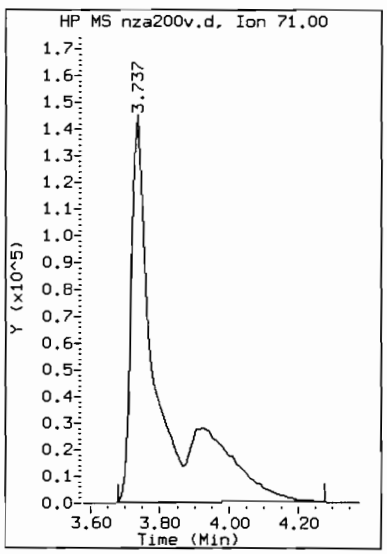


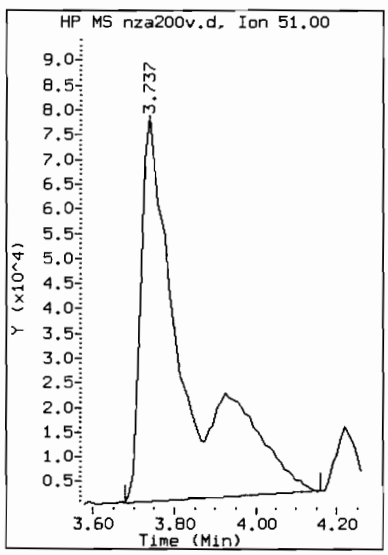


Original Integrations:

Area = 1760718 Area = 585144 Area = 418498







Final Integrations:

Area = 2574319 Area = 844198 Area = 587212

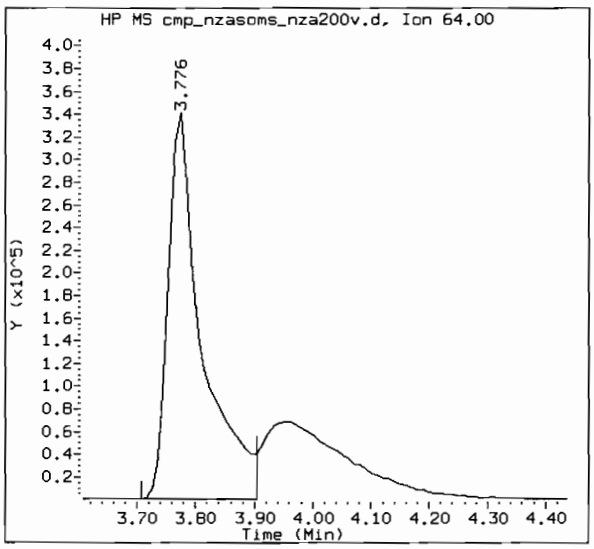
Manual Integration Reason: MI1 - Poor automated baseline

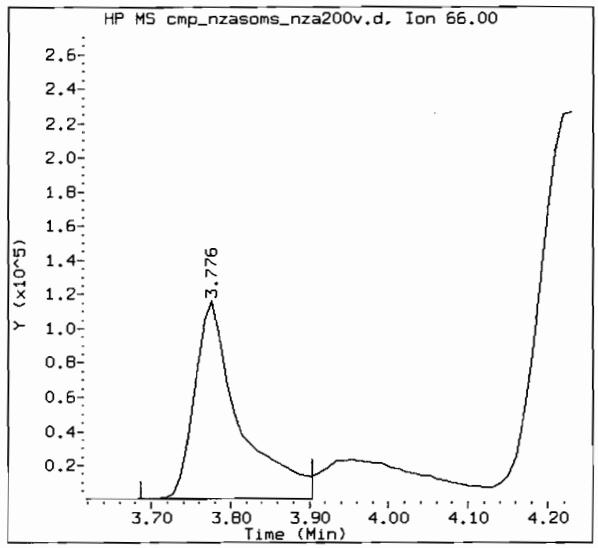
MANUAL INTEGRATION REPORT

Data File Name: nza200v.d
Client Sample ID: VSTD100N0
Compound Name: Chloroethane

Inj. Date and Time: 13-JAN-2010 18:56
Instrument ID: N.i
CAS #: 75-00-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/15/2010 08:53





Original Integrations:

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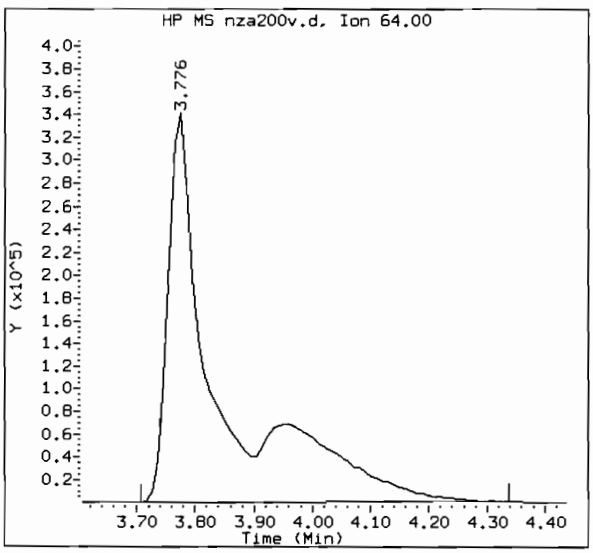
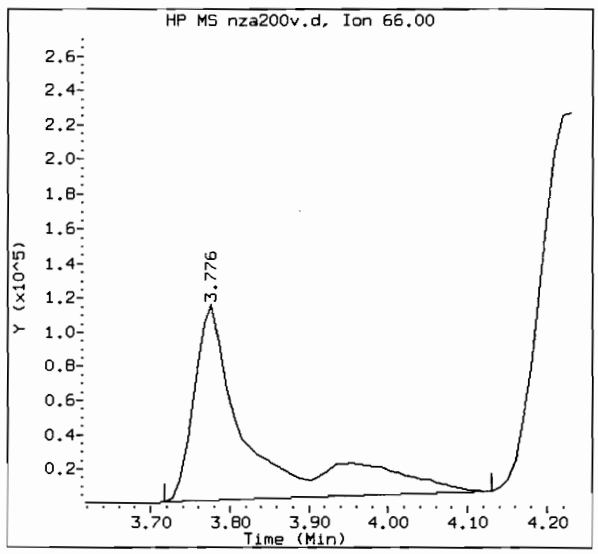
Area = 459258





Final Integrations:

Area = 2041629

Area = 569687

Manual Integration Reason: MI1 - Poor automated baseline

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: N.i Calibration Date: 01/19/2010 Time: 0902

Lab File ID: NZA50DV Init. Calib. Date(s): 01/13/2010 01/13/2010

EPA Sample No.(VSTD#####): VSTD025NT Init. Calib. Time(s): 1704 1856

Heated Purge: (Y/N)Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 10.0 (mL)

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	0.929	0.737	0.010	-20.7	40.0	
Chloromethane	0.509	0.423	0.010	-16.9	40.0	
Vinyl chloride	0.499	0.414	0.100	-17.0	25.0	
Bromomethane	0.364	0.326	0.100	-10.3	25.0	
Chloroethane	0.291	0.262	0.010	-10.0	40.0	
Trichlorofluoromethane	1.057	0.889	0.010	-15.9	40.0	
1,1-Dichloroethene	0.428	0.386	0.100	-9.8	25.0	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.969	0.854	0.010	-11.9	40.0	
Acetone	0.141	0.136	0.010	-3.4	40.0	
Carbon disulfide	1.348	1.221	0.010	-9.4	40.0	
Methyl acetate	0.288	0.257	0.010	-10.7	40.0	
Methylene chloride	0.444	0.396	0.010	-10.9	40.0	
trans-1,2-Dichloroethene	0.461	0.417	0.010	-9.6	40.0	
Methyl tert-butyl ether	0.922	0.802	0.010	-13.0	40.0	
1,1-Dichloroethane	0.938	0.819	0.200	-12.7	25.0	
cis-1,2-Dichloroethene	0.441	0.411	0.010	-6.8	40.0	
2-Butanone	0.187	0.186	0.010	-0.8	40.0	
Bromochloromethane	0.283	0.267	0.050	-5.6	25.0	
Chloroform	0.940	0.833	0.200	-11.3	25.0	
1,1,1-Trichloroethane	0.659	0.587	0.100	-10.9	25.0	
Cyclohexane	0.527	0.460	0.010	-12.7	40.0	
Carbon tetrachloride	0.616	0.555	0.100	-9.9	25.0	
Benzene	0.908	0.848	0.400	-6.6	25.0	
1,2-Dichloroethane	0.491	0.416	0.100	-15.2	25.0	
1,4-Dioxane	0.004	0.004	0.005	-6.1	50.0	<-
Trichloroethene	0.428	0.411	0.300	-4.0	25.0	
Methylcyclohexane	0.496	0.501	0.010	0.9	40.0	

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: N.i Calibration Date: 01/19/2010 Time: 0902

Lab File ID: NZA50DV Init. Calib. Date(s): 01/13/2010 01/13/2010

EPA Sample No.(VSTD#####): VSTD025NT Init. Calib. Time(s): 1704 1856

Heated Purge: (Y/N)Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 10.0 (mL)

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.469	0.484	0.010	3.3	40.0
Bromodichloromethane	0.993	0.901	0.200	-9.3	25.0
cis-1,3-Dichloropropene	0.802	0.736	0.200	-8.2	25.0
4-Methyl-2-pentanone	0.443	0.376	0.010	-15.2	40.0
Toluene	1.194	1.096	0.400	-8.2	25.0
trans-1,3-Dichloropropene	0.694	0.639	0.100	-7.9	25.0
1,1,2-Trichloroethane	0.437	0.395	0.100	-9.7	25.0
Tetrachloroethene	0.408	0.388	0.100	-5.0	25.0
2-Hexanone	0.334	0.307	0.010	-7.9	40.0
Dibromochloromethane	0.805	0.742	0.100	-7.9	25.0
1,2-Dibromoethane	0.708	0.651	0.010	-8.0	40.0
Chlorobenzene	0.961	0.901	0.500	-6.2	25.0
Ethylbenzene	1.465	1.343	0.100	-8.3	25.0
o-Xylene	0.520	0.474	0.300	-8.9	25.0
m,p-Xylene	0.521	0.491	0.300	-5.7	25.0
Styrene	0.914	0.838	0.300	-8.3	25.0
Bromoform	0.973	0.872	0.050	-10.5	25.0
Isopropylbenzene	1.511	1.401	0.010	-7.2	40.0
1,1,2,2-Tetrachloroethane	0.869	0.774	0.300	-10.9	25.0
1,3-Dichlorobenzene	1.419	1.316	0.600	-7.2	25.0
1,4-Dichlorobenzene	1.569	1.483	0.500	-5.5	25.0
1,2-Dichlorobenzene	1.398	1.255	0.400	-10.3	25.0
1,2-Dibromo-3-chloropropane	0.375	0.308	0.010	-17.9	40.0
1,2,4-Trichlorobenzene	0.998	0.941	0.200	-5.7	25.0
1,2,3-Trichlorobenzene	0.956	0.872	0.200	-8.8	25.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: N.i Calibration Date: 01/19/2010 Time: 0902

Lab File ID: NZA50DV Init. Calib. Date(s): 01/13/2010 01/13/2010

EPA Sample No.(VSTD#####): VSTD025NT Init. Calib. Time(s): 1704 1856

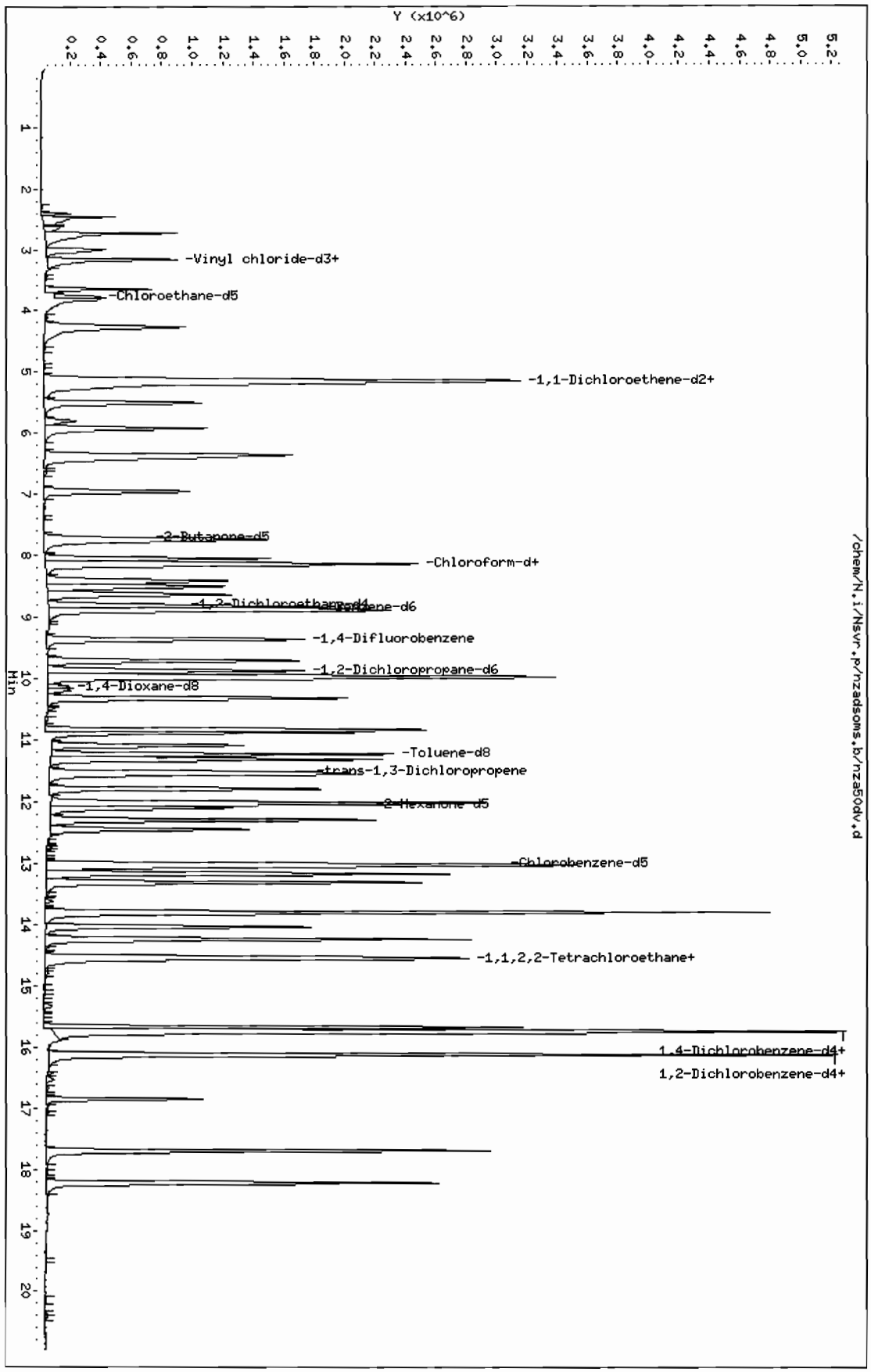
Heated Purge: (Y/N)Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 10.0 (mL)

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D	
Vinyl chloride-d3	0.457	0.384	0.010	-16.0	25.0	
Chloroethane-d5	0.373	0.337	0.010	-9.8	40.0	
1,1-Dichloroethene-d2	1.169	1.007	0.010	-13.8	25.0	
2-Butanone-d5	0.208	0.202	0.010	-3.0	40.0	
Chloroform-d	0.991	0.892	0.010	-10.0	25.0	
1,2-Dichloroethane-d4	0.423	0.360	0.010	-14.8	25.0	
Benzene-d6	0.987	0.931	0.010	-5.7	25.0	
1,2-Dichloropropane-d6	0.562	0.599	0.010	6.5	40.0	
Toluene-d8	1.138	1.036	0.010	-8.9	25.0	
trans-1,3-Dichloropropene-d4	0.658	0.606	0.010	-7.9	25.0	
2-Hexanone-d5	0.167	0.158	0.010	-5.4	40.0	
1,4-Dioxane-d8	0.004	0.004	0.005	-0.2	50.0	<-
1,1,2,2-Tetrachloroethane-d2	0.890	0.788	0.010	-11.4	25.0	
1,2-Dichlorobenzene-d4	0.929	0.823	0.010	-11.4	40.0	

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2


Data File: /chem/N.i/Nsvr.p/nzadsoms.b/nza50dv.d
Date : 19-JAN-2010 09:02
Client ID: VSTD025NT
Sample Info: ccvis
Column phase: DB-624
Instrument: N.i
Operator: MRV
Column diameter: 0.53
Y (x10^6)
Min
/chem/N.i/Nsvr.p/nzadsoms.b/nza50dv.d
-Vinyl chloride-d3+
-Chloroethane-d5
-1,1-Dichloroethene-d2+
-2-Butanone-d5
-Chloroform-d+
-1,2-Dichloroethane-d4
-Benzene-d6
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-1,4-Dioxane-d8
-Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane+
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene-d4+

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzadsoms.b/nza50dv.d
Lab Smp Id: VSTD025NT Client Smp ID: VSTD025NT
Inj Date : 19-JAN-2010 09:02
Operator : MRV Inst ID: N.i
Smp Info : ccvis
Misc Info : VSTD50NT,,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzadsoms.b/soms4.m
Meth Date : 25-Jan-2010 13:05 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 2 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 * X/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	2.731	2.722	(0.292)	1762264	25.0000	20
	2 Chloromethane	50	2.997	2.988	(0.320)	1010792	25.0000	21
$	3 Vinyl chloride-d3	65	3.154	3.145	(0.337)	917684	25.0000	21
	4 Vinyl chloride	62	3.164	3.155	(0.338)	990043	25.0000	21
	5 Bromomethane	94	3.647	3.628	(0.390)	780468	25.0000	22(M)
$	6 Chloroethane-d5	69	3.765	3.756	(0.402)	805188	25.0000	23
	7 Chloroethane	64	3.814	3.806	(0.407)	627520	25.0000	23
	8 Trichlorofluoromethane	101	4.267	4.249	(0.456)	2125993	25.0000	21
$	9 1,1-Dichloroethene-d2	63	5.124	5.116	(0.547)	2408107	25.0000	22
	10 1,1-Dichloroethene	96	5.144	5.136	(0.550)	923888	25.0000	23
	11 1,1,2-Trichloro-1,2,2-trifluo	101	5.164	5.155	(0.552)	2041826	25.0000	22
	12 Acetone	43	5.253	5.244	(0.561)	651752	50.0000	48
	13 Carbon disulfide	76	5.499	5.490	(0.587)	2921514	25.0000	23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	14 Methyl acetate	43	5.794	5.786	(0.619)	615464	25.0000	22
	15 Methylene chloride	84	5.913	5.904	(0.632)	946151	25.0000	22
	16 trans-1,2-Dichloroethene	96	6.356	6.347	(0.679)	996287	25.0000	23
	17 Methyl tert-butyl ether	73	6.405	6.397	(0.684)	1918451	25.0000	22
	18 1,1-Dichloroethane	63	6.957	6.948	(0.743)	1959186	25.0000	22
$	19 2-Butanone-d5	46	7.706	7.707	(0.823)	967193	50.0000	49
	20 cis-1,2-Dichloroethene	96	7.745	7.736	(0.827)	983171	25.0000	23
	21 2-Butanone	43	7.784	7.786	(0.832)	888334	50.0000	50
	22 Bromochloromethane	128	8.050	8.052	(0.860)	638811	25.0000	24
$	23 Chloroform-d	84	8.129	8.121	(0.868)	2133663	25.0000	23
	24 Chloroform	83	8.149	8.150	(0.871)	1993420	25.0000	22
	25 1,1,1-Trichloroethane	97	8.405	8.406	(0.646)	1542993	25.0000	22
	26 Cyclohexane	56	8.504	8.495	(0.654)	1210299	25.0000	22
	27 Carbon tetrachloride	117	8.632	8.633	(0.664)	1458262	25.0000	23
$	28 1,2-Dichloroethane-d4	65	8.789	8.790	(0.939)	862250	25.0000	21
$	29 Benzene-d6	84	8.839	8.830	(0.680)	2446196	25.0000	24
	30 Benzene	78	8.888	8.879	(0.683)	2228323	25.0000	23
	31 1,2-Dichloroethane	62	8.888	8.889	(0.949)	995611	25.0000	21
*	32 1,4-Difluorobenzene	114	9.361	9.352	(1.000)	2392034	25.0000	
	33 Trichloroethene	95	9.705	9.697	(0.746)	1080353	25.0000	24
$	34 1,2-Dichloropropane-d6	67	9.873	9.854	(0.759)	1573395	25.0000	27
	35 Methylcyclohexane	55	9.971	9.953	(0.767)	1316032	25.0000	25
	36 1,2-Dichloropropane	63	9.981	9.963	(0.767)	1272947	25.0000	26
$	37 1,4-Dioxane-d8	96	10.129	10.111	(1.082)	178427	500.000	500
	38 1,4-Dioxane	88	10.198	10.180	(1.089)	189523	500.000	470
	39 Bromodichloromethane	83	10.316	10.308	(0.793)	2367691	25.0000	23
	40 cis-1,3-Dichloropropene	75	10.878	10.869	(0.836)	1935944	25.0000	23
	41 4-Methyl-2-pentanone	43	11.085	11.076	(0.852)	1975454	50.0000	42
$	42 Toluene-d8	98	11.232	11.224	(0.864)	2724180	25.0000	23
	43 Toluene	91	11.321	11.312	(0.870)	2880681	25.0000	23
$	44 trans-1,3-Dichloropropene-d4	79	11.518	11.510	(0.886)	1592837	25.0000	23
	45 trans-1,3-Dichloropropene	75	11.558	11.549	(0.889)	1680187	25.0000	23
	46 1,1,2-Trichloroethane	97	11.794	11.785	(0.907)	1037410	25.0000	23
	47 Tetrachloroethene	164	12.011	12.002	(0.923)	1018631	25.0000	24
$	48 2-Hexanone-d5	63	12.040	12.041	(0.926)	829968	50.0000	47
	49 2-Hexanone	43	12.099	12.101	(0.930)	1615678	50.0000	46
	50 Dibromochloromethane	129	12.287	12.288	(0.945)	1950334	25.0000	23
	51 1,2-Dibromoethane	107	12.444	12.436	(0.957)	1712003	25.0000	23
*	52 Chlorobenzene-d5	117	13.006	13.007	(1.000)	2628655	25.0000	
	53 Chlorobenzene	112	13.045	13.046	(1.003)	2368893	25.0000	23
	54 Ethylbenzene	91	13.173	13.174	(1.013)	3530922	25.0000	23
	55 m,p-Xylene	106	13.311	13.312	(1.023)	1291700	25.0000	24
	56 o-Xylene	106	13.804	13.805	(1.061)	1245398	25.0000	23
	57 Styrene	104	13.814	13.815	(1.062)	2202819	25.0000	23
	58 Bromoform	173	14.040	14.041	(0.892)	1301575	25.0000	22
	59 Isopropylbenzene	105	14.247	14.248	(1.095)	3683502	25.0000	23
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.533	14.544	(1.117)	2071425	25.0000	22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	61 1,1,2,2-Tetrachloroethane	83	14.562	14.573	(1.120)	2034343	25.0000	22
	62 1,3-Dichlorobenzene	146	15.676	15.677	(0.996)	1965349	25.0000	23
*	63 1,4-Dichlorobenzene-d4	152	15.735	15.746	(1.000)	1493314	25.0000	
	64 1,4-Dichlorobenzene	146	15.764	15.765	(1.002)	2214318	25.0000	24
$	65 1,2-Dichlorobenzene-d4	152	16.119	16.120	(1.024)	1229244	25.0000	22
	66 1,2-Dichlorobenzene	146	16.129	16.140	(1.025)	1873848	25.0000	22
	67 1,2-Dibromo-3-chloropropane	75	16.848	16.859	(1.071)	459726	25.0000	21
	68 1,2,4-Trichlorobenzene	180	17.695	17.716	(1.125)	1405638	25.0000	24
	69 1,2,3-Trichlorobenzene	180	18.227	18.238	(1.158)	1302223	25.0000	23

QC Flag Legend

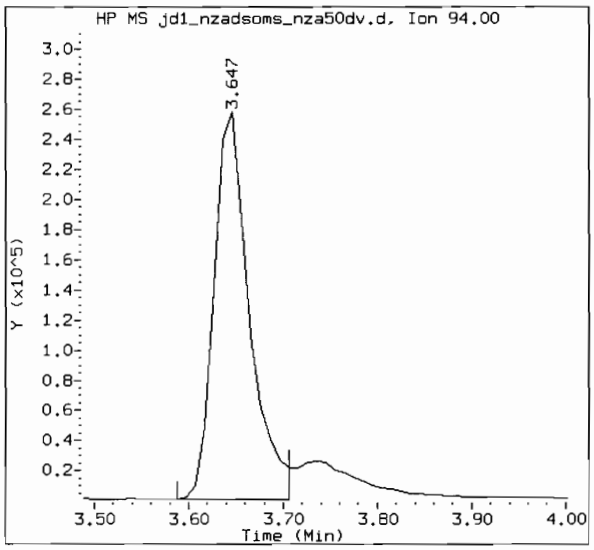
M - Compound response manually integrated.

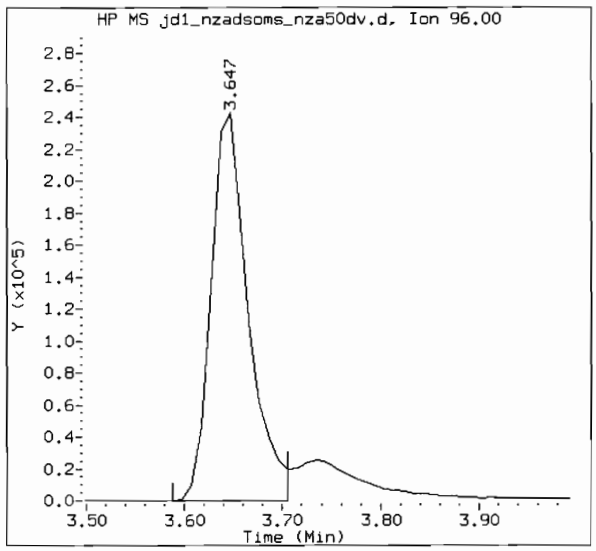
MANUAL INTEGRATION REPORT

Data File Name: nza50dv.d
Client Sample ID: VSTD025NT
Compound Name: Bromomethane

Inj. Date and Time: 19-JAN-2010 09:02
Instrument ID: N.i
CAS #: 74-83-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/25/2010 13:05





Original Integrations:

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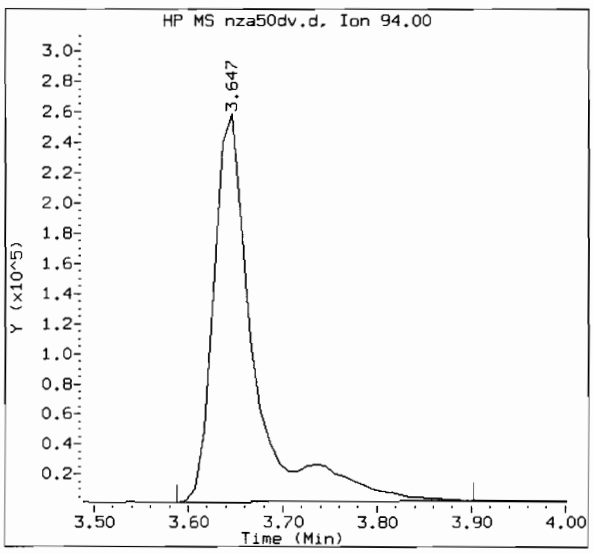
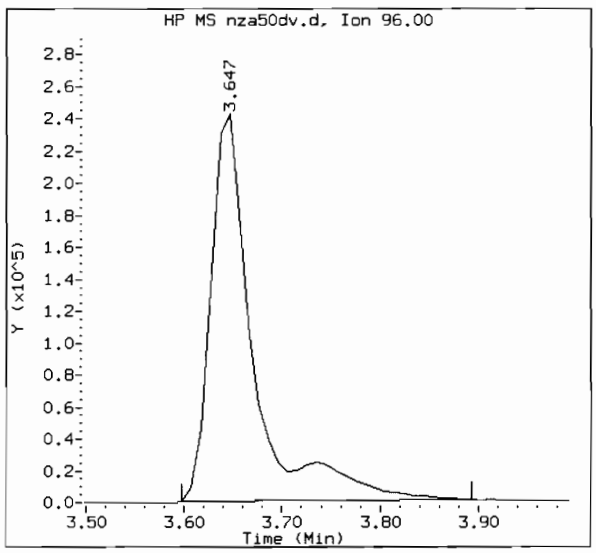




Final Integrations:

Area = 780468

Area = 742786

Manual Integration Reason: MI1 - Poor automated baseline

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: N.i Calibration Date: 01/19/2010 Time: 1749

Lab File ID: NZA50DC1 Init. Calib. Date(s): 01/13/2010 01/13/2010

EPA Sample No.(VSTD#####): VSTD025TN Init. Calib. Time(s): 1704 1856

Heated Purge: (Y/N)Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 10.0 (mL)

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	0.929	0.888	0.010	-4.5	50.0	
Chloromethane	0.509	0.498	0.010	-2.1	50.0	
Vinyl chloride	0.499	0.483	0.010	-3.2	50.0	
Bromomethane	0.364	0.366	0.010	0.6	50.0	
Chloroethane	0.291	0.293	0.010	0.7	50.0	
Trichlorofluoromethane	1.057	1.032	0.010	-2.3	50.0	
1,1-Dichloroethene	0.428	0.425	0.010	-0.7	50.0	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.969	0.946	0.010	-2.3	50.0	
Acetone	0.141	0.092	0.010	-34.9	50.0	
Carbon disulfide	1.348	1.320	0.010	-2.1	50.0	
Methyl acetate	0.288	0.296	0.010	2.8	50.0	
Methylene chloride	0.444	0.444	0.010	-0.0	50.0	
trans-1,2-Dichloroethene	0.461	0.448	0.010	-2.8	50.0	
Methyl tert-butyl ether	0.922	0.913	0.010	-0.9	50.0	
1,1-Dichloroethane	0.938	0.926	0.010	-1.3	50.0	
cis-1,2-Dichloroethene	0.441	0.444	0.010	0.7	50.0	
2-Butanone	0.187	0.159	0.010	-14.9	50.0	
Bromochloromethane	0.283	0.286	0.010	1.2	50.0	
Chloroform	0.940	0.923	0.010	-1.8	50.0	
1,1,1-Trichloroethane	0.659	0.669	0.010	1.6	50.0	
Cyclohexane	0.527	0.516	0.010	-2.1	50.0	
Carbon tetrachloride	0.616	0.624	0.010	1.4	50.0	
Benzene	0.908	0.930	0.010	2.4	50.0	
1,2-Dichloroethane	0.491	0.494	0.010	0.7	50.0	
1,4-Dioxane	0.004	0.004	0.005	-2.2	50.0	<-
Trichloroethene	0.428	0.423	0.010	-1.2	50.0	
Methylcyclohexane	0.496	0.500	0.010	0.9	50.0	

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: N.i Calibration Date: 01/19/2010 Time: 1749

Lab File ID: NZA50DC1 Init. Calib. Date(s): 01/13/2010 01/13/2010

EPA Sample No.(VSTD#####): VSTD025TN Init. Calib. Time(s): 1704 1856

Heated Purge: (Y/N)Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 10.0 (mL)

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.469	0.504	0.010	7.6	50.0
Bromodichloromethane	0.993	1.025	0.010	3.2	50.0
cis-1,3-Dichloropropene	0.802	0.823	0.010	2.6	50.0
4-Methyl-2-pentanone	0.443	0.433	0.010	-2.3	50.0
Toluene	1.194	1.194	0.010	0.0	50.0
trans-1,3-Dichloropropene	0.694	0.712	0.010	2.6	50.0
1,1,2-Trichloroethane	0.437	0.447	0.010	2.2	50.0
Tetrachloroethene	0.408	0.390	0.010	-4.5	50.0
2-Hexanone	0.334	0.315	0.010	-5.7	50.0
Dibromochloromethane	0.805	0.850	0.010	5.6	50.0
1,2-Dibromoethane	0.708	0.736	0.010	4.0	50.0
Chlorobenzene	0.961	0.927	0.010	-3.6	50.0
Ethylbenzene	1.465	1.367	0.010	-6.7	50.0
o-Xylene	0.520	0.485	0.010	-6.7	50.0
m,p-Xylene	0.521	0.489	0.010	-6.1	50.0
Styrene	0.914	0.861	0.010	-5.8	50.0
Bromoform	0.973	1.056	0.010	8.5	50.0
Isopropylbenzene	1.511	1.420	0.010	-6.0	50.0
1,1,2,2-Tetrachloroethane	0.869	0.950	0.010	9.4	50.0
1,3-Dichlorobenzene	1.419	1.349	0.010	-4.9	50.0
1,4-Dichlorobenzene	1.569	1.493	0.010	-4.8	50.0
1,2-Dichlorobenzene	1.398	1.362	0.010	-2.6	50.0
1,2-Dibromo-3-chloropropane	0.375	0.396	0.010	5.7	50.0
1,2,4-Trichlorobenzene	0.998	0.946	0.010	-5.2	50.0
1,2,3-Trichlorobenzene	0.956	0.935	0.010	-2.2	50.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: N.i Calibration Date: 01/19/2010 Time: 1749

Lab File ID: NZA50DC1 Init. Calib. Date(s): 01/13/2010 01/13/2010

EPA Sample No.(VSTD#####): VSTD025TN Init. Calib. Time(s): 1704 1856

Heated Purge: (Y/N)Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 10.0 (mL)

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D	
Vinyl chloride-d3	0.457	0.444	0.010	-2.8	50.0	
Chloroethane-d5	0.373	0.371	0.010	-0.4	50.0	
1,1-Dichloroethene-d2	1.169	1.145	0.010	-2.0	50.0	
2-Butanone-d5	0.208	0.177	0.010	-14.9	50.0	
Chloroform-d	0.991	0.997	0.010	0.6	50.0	
1,2-Dichloroethane-d4	0.423	0.414	0.010	-2.2	50.0	
Benzene-d6	0.987	1.007	0.010	1.9	50.0	
1,2-Dichloropropane-d6	0.562	0.504	0.010	-10.4	50.0	
Toluene-d8	1.138	1.119	0.010	-1.6	50.0	
trans-1,3-Dichloropropene-d4	0.658	0.678	0.010	3.1	50.0	
2-Hexanone-d5	0.167	0.164	0.010	-1.8	50.0	
1,4-Dioxane-d8	0.004	0.004	0.005	1.4	50.0	<-
1,1,2,2-Tetrachloroethane-d2	0.890	0.969	0.010	8.9	50.0	
1,2-Dichlorobenzene-d4	0.929	0.911	0.010	-2.0	50.0	

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/N.i/Nsvr.p/nzadsoms.b/nza50dc1.d

Date : 19-JAN-2010 17:49

Client ID: VSTD025TN

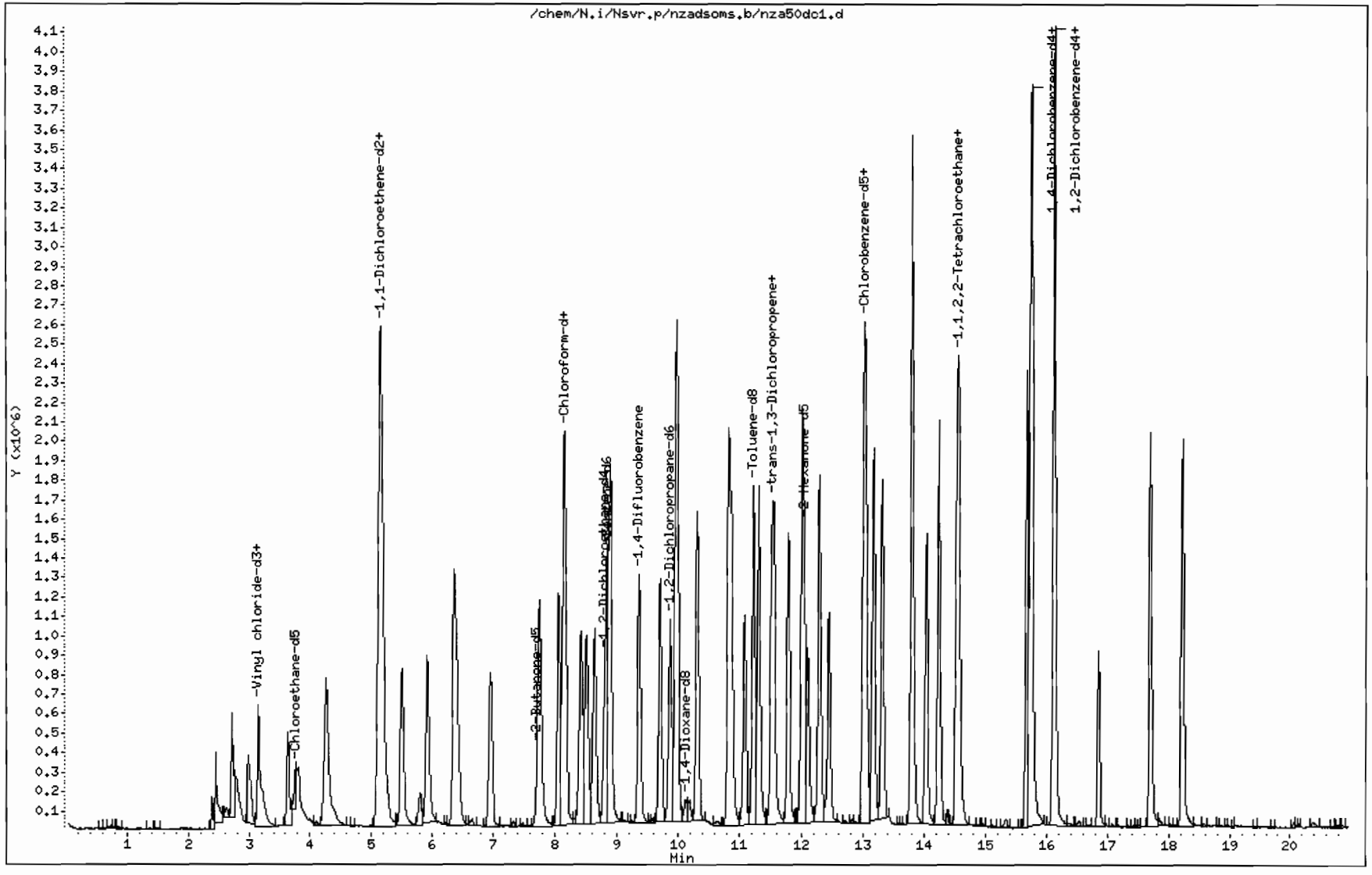
Instrument: N.i

Sample Info:

Operator: MRV

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzadsoms.b/nza50dc1.d
Lab Smp Id: VSTD025TN Client Smp ID: VSTD025TN
Inj Date : 19-JAN-2010 17:49
Operator : MRV Inst ID: N.i
Smp Info :
Misc Info : VSTD050TN,011910NT,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzadsoms.b/soms4.m
Meth Date : 25-Jan-2010 13:06 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.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 * X/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	2.721	2.722	(0.291)	1542925	25.0000	24
	2 Chloromethane	50	2.987	2.988	(0.319)	865085	25.0000	24
$	3 Vinyl chloride-d3	65	3.144	3.145	(0.336)	771829	25.0000	24
	4 Vinyl chloride	62	3.154	3.155	(0.337)	838707	25.0000	24
	5 Bromomethane	94	3.637	3.628	(0.389)	635449	25.0000	25 (M)
$	6 Chloroethane-d5	69	3.765	3.756	(0.402)	645649	25.0000	25
	7 Chloroethane	64	3.814	3.806	(0.407)	509770	25.0000	25
	8 Trichlorofluoromethane	101	4.257	4.249	(0.455)	1793971	25.0000	24
$	9 1,1-Dichloroethene-d2	63	5.124	5.116	(0.547)	1989391	25.0000	24
	10 1,1-Dichloroethene	96	5.144	5.136	(0.550)	738736	25.0000	25
	11 1,1,2-Trichloro-1,2,2-trifluo	101	5.164	5.155	(0.552)	1644367	25.0000	24
	12 Acetone	43	5.252	5.244	(0.561)	318981	50.0000	33
	13 Carbon disulfide	76	5.499	5.490	(0.587)	2293504	25.0000	24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	14 Methyl acetate	43	5.794	5.786	(0.619)	514449	25.0000	26
	15 Methylene chloride	84	5.912	5.904	(0.632)	771620	25.0000	25
	16 trans-1,2-Dichloroethene	96	6.356	6.347	(0.679)	778086	25.0000	24
	17 Methyl tert-butyl ether	73	6.405	6.397	(0.684)	1587615	25.0000	25
	18 1,1-Dichloroethane	63	6.957	6.948	(0.743)	1609400	25.0000	25
$	19 2-Butanone-d5	46	7.705	7.707	(0.823)	616601	50.0000	43
	20 cis-1,2-Dichloroethene	96	7.745	7.736	(0.827)	771695	25.0000	25
	21 2-Butanone	43	7.784	7.786	(0.832)	553529	50.0000	43
	22 Bromochloromethane	128	8.060	8.052	(0.861)	497192	25.0000	25
$	23 Chloroform-d	84	8.129	8.121	(0.868)	1732348	25.0000	25
	24 Chloroform	83	8.159	8.150	(0.872)	1604099	25.0000	25
	25 1,1,1-Trichloroethane	97	8.415	8.406	(0.647)	1257908	25.0000	25
	26 Cyclohexane	56	8.503	8.495	(0.653)	969918	25.0000	24
	27 Carbon tetrachloride	117	8.641	8.633	(0.664)	1173027	25.0000	25
$	28 1,2-Dichloroethane-d4	65	8.799	8.790	(0.940)	718883	25.0000	24
$	29 Benzene-d6	84	8.838	8.830	(0.679)	1891457	25.0000	25
	30 Benzene	78	8.888	8.879	(0.683)	1746904	25.0000	26
	31 1,2-Dichloroethane	62	8.898	8.889	(0.951)	858588	25.0000	25
*	32 1,4-Difluorobenzene	114	9.361	9.352	(1.000)	1738010	25.0000	
	33 Trichloroethene	95	9.705	9.697	(0.746)	795480	25.0000	25
$	34 1,2-Dichloropropane-d6	67	9.863	9.854	(0.758)	946360	25.0000	22
	35 Methylcyclohexane	55	9.971	9.953	(0.766)	940252	25.0000	25
	36 1,2-Dichloropropane	63	9.981	9.963	(0.767)	947635	25.0000	27
$	37 1,4-Dioxane-d8	96	10.119	10.111	(1.081)	131687	500.000	510
	38 1,4-Dioxane	88	10.188	10.180	(1.088)	143393	500.000	490
	39 Bromodichloromethane	83	10.316	10.308	(0.793)	1925348	25.0000	26
	40 cis-1,3-Dichloropropene	75	10.878	10.869	(0.836)	1546822	25.0000	26
	41 4-Methyl-2-pentanone	43	11.085	11.076	(0.852)	1626932	50.0000	49
$	42 Toluene-d8	98	11.232	11.224	(0.863)	2103747	25.0000	25
	43 Toluene	91	11.311	11.312	(0.869)	2244137	25.0000	25
$	44 trans-1,3-Dichloropropene-d4	79	11.518	11.510	(0.885)	1274369	25.0000	26
	45 trans-1,3-Dichloropropene	75	11.557	11.549	(0.888)	1337314	25.0000	26
	46 1,1,2-Trichloroethane	97	11.784	11.785	(0.905)	839886	25.0000	26
	47 Tetrachloroethene	164	12.011	12.002	(0.923)	732241	25.0000	24
$	48 2-Hexanone-d5	63	12.040	12.041	(0.925)	615935	50.0000	49
	49 2-Hexanone	43	12.099	12.101	(0.930)	1183129	50.0000	47
	50 Dibromochloromethane	129	12.286	12.288	(0.944)	1597659	25.0000	26
	51 1,2-Dibromoethane	107	12.444	12.436	(0.956)	1382938	25.0000	26
*	52 Chlorobenzene-d5	117	13.015	13.007	(1.000)	1879227	25.0000	
	53 Chlorobenzene	112	13.045	13.046	(1.002)	1741786	25.0000	24
	54 Ethylbenzene	91	13.173	13.174	(1.012)	2568121	25.0000	23
	55 m,p-Xylene	106	13.311	13.312	(1.023)	919417	25.0000	23
	56 o-Xylene	106	13.804	13.805	(1.061)	911618	25.0000	23
	57 Styrene	104	13.813	13.815	(1.061)	1617109	25.0000	24
	58 Bromoform	173	14.040	14.041	(0.892)	1085971	25.0000	27
	59 Isopropylbenzene	105	14.247	14.248	(1.095)	2669162	25.0000	24
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.533	14.544	(1.117)	1821680	25.0000	27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	61 1,1,2,2-Tetrachloroethane	83	14.572	14.573	(1.120)	1785006	25.0000	27
	62 1,3-Dichlorobenzene	146	15.675	15.677	(0.996)	1388103	25.0000	24
*	63 1,4-Dichlorobenzene-d4	152	15.735	15.746	(1.000)	1028659	25.0000	
	64 1,4-Dichlorobenzene	146	15.764	15.765	(1.002)	1535361	25.0000	24
$	65 1,2-Dichlorobenzene-d4	152	16.119	16.120	(1.024)	936929	25.0000	25
	66 1,2-Dichlorobenzene	146	16.138	16.140	(1.026)	1401471	25.0000	24
	67 1,2-Dibromo-3-chloropropane	75	16.858	16.859	(1.071)	407415	25.0000	26
	68 1,2,4-Trichlorobenzene	180	17.705	17.716	(1.125)	973362	25.0000	24
	69 1,2,3-Trichlorobenzene	180	18.227	18.238	(1.158)	961894	25.0000	24

QC Flag Legend

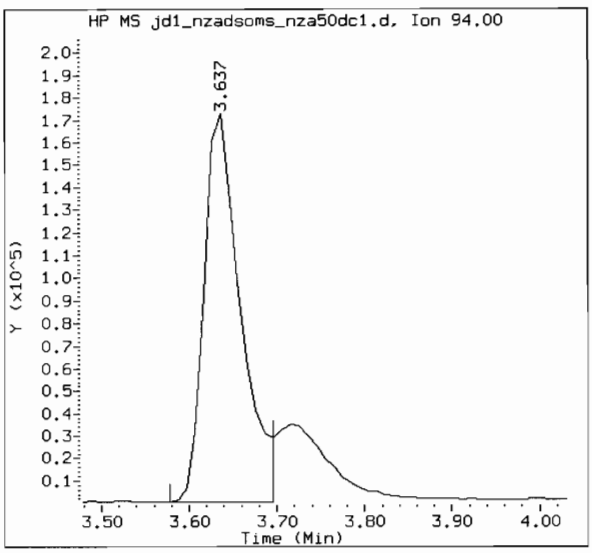
M - Compound response manually integrated.

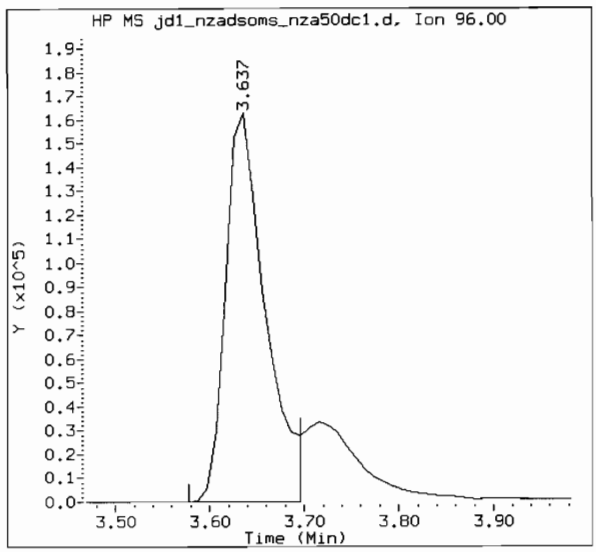
MANUAL INTEGRATION REPORT

Data File Name: nza50dc1.d
Client Sample ID: VSTD025TN
Compound Name: Bromomethane

Inj. Date and Time: 19-JAN-2010 17:49
Instrument ID: N.i
CAS #: 74-83-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/25/2010 13:06





Original Integrations:

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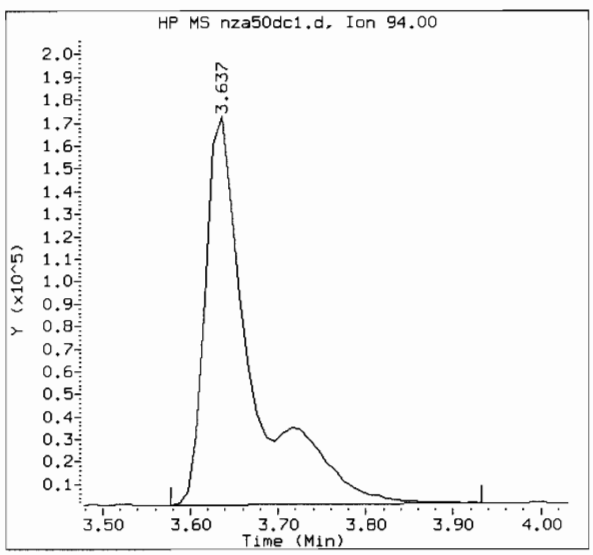
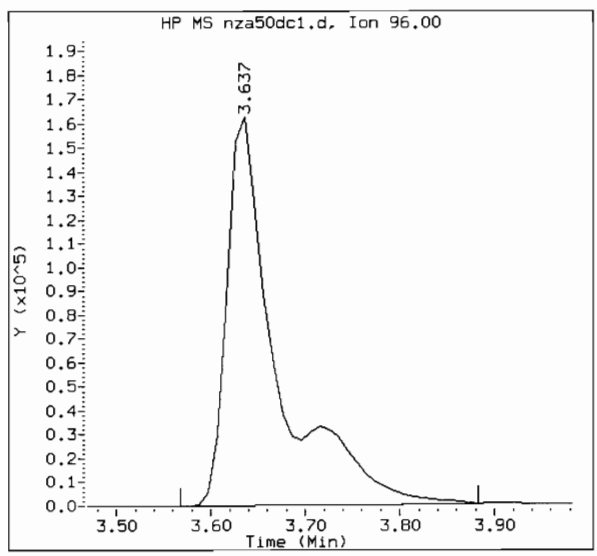
Area = 479697





Final Integrations:

Area = 635449

Area = 604460

Manual Integration Reason: MI1 - Poor automated baseline

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: N.i Calibration Date: 01/19/2010 Time: 2014

Lab File ID: NZA050EV Init. Calib. Date(s): 01/13/2010 01/13/2010

EPA Sample No.(VSTD#####): VSTD025NU Init. Calib. Time(s): 1704 1856

Heated Purge: (Y/N)Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 10.0 (mL)

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	0.929	0.855	0.010	-8.1	40.0	
Chloromethane	0.509	0.482	0.010	-5.3	40.0	
Vinyl chloride	0.499	0.473	0.100	-5.2	25.0	
Bromomethane	0.364	0.397	0.100	9.2	25.0	
Chloroethane	0.291	0.289	0.010	-0.9	40.0	
Trichlorofluoromethane	1.057	0.997	0.010	-5.7	40.0	
1,1-Dichloroethene	0.428	0.408	0.100	-4.6	25.0	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.969	0.920	0.010	-5.1	40.0	
Acetone	0.141	0.131	0.010	-7.2	40.0	
Carbon disulfide	1.348	1.307	0.010	-3.1	40.0	
Methyl acetate	0.288	0.284	0.010	-1.3	40.0	
Methylene chloride	0.444	0.434	0.010	-2.4	40.0	
trans-1,2-Dichloroethene	0.461	0.451	0.010	-2.2	40.0	
Methyl tert-butyl ether	0.922	0.884	0.010	-4.1	40.0	
1,1-Dichloroethane	0.938	0.922	0.200	-1.7	25.0	
cis-1,2-Dichloroethene	0.441	0.438	0.010	-0.7	40.0	
2-Butanone	0.187	0.187	0.010	0.1	40.0	
Bromochloromethane	0.283	0.287	0.050	1.4	25.0	
Chloroform	0.940	0.921	0.200	-2.0	25.0	
1,1,1-Trichloroethane	0.659	0.624	0.100	-5.4	25.0	
Cyclohexane	0.527	0.481	0.010	-8.7	40.0	
Carbon tetrachloride	0.616	0.583	0.100	-5.2	25.0	
Benzene	0.908	0.857	0.400	-5.6	25.0	
1,2-Dichloroethane	0.491	0.492	0.100	0.3	25.0	
1,4-Dioxane	0.004	0.004	0.005	-7.1	50.0	<-
Trichloroethene	0.428	0.409	0.300	-4.4	25.0	
Methylcyclohexane	0.496	0.529	0.010	6.6	40.0	

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: N.i Calibration Date: 01/19/2010 Time: 2014

Lab File ID: NZA050EV Init. Calib. Date(s): 01/13/2010 01/13/2010

EPA Sample No.(VSTD#####): VSTD025NU Init. Calib. Time(s): 1704 1856

Heated Purge: (Y/N)Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 10.0 (mL)

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.469	0.507	0.010	8.2	40.0
Bromodichloromethane	0.993	0.958	0.200	-3.5	25.0
cis-1,3-Dichloropropene	0.802	0.784	0.200	-2.2	25.0
4-Methyl-2-pentanone	0.443	0.392	0.010	-11.5	40.0
Toluene	1.194	1.175	0.400	-1.6	25.0
trans-1,3-Dichloropropene	0.694	0.681	0.100	-1.8	25.0
1,1,2-Trichloroethane	0.437	0.413	0.100	-5.5	25.0
Tetrachloroethene	0.408	0.396	0.100	-3.0	25.0
2-Hexanone	0.334	0.316	0.010	-5.4	40.0
Dibromochloromethane	0.805	0.788	0.100	-2.2	25.0
1,2-Dibromoethane	0.708	0.687	0.010	-3.0	40.0
Chlorobenzene	0.961	0.942	0.500	-1.9	25.0
Ethylbenzene	1.465	1.429	0.100	-2.5	25.0
o-Xylene	0.520	0.513	0.300	-1.4	25.0
m,p-Xylene	0.521	0.524	0.300	0.6	25.0
Styrene	0.914	0.903	0.300	-1.1	25.0
Bromoform	0.973	0.903	0.050	-7.2	25.0
Isopropylbenzene	1.511	1.583	0.010	4.8	40.0
1,1,2,2-Tetrachloroethane	0.869	0.890	0.300	2.4	25.0
1,3-Dichlorobenzene	1.419	1.366	0.600	-3.7	25.0
1,4-Dichlorobenzene	1.569	1.553	0.500	-1.0	25.0
1,2-Dichlorobenzene	1.398	1.328	0.400	-5.0	25.0
1,2-Dibromo-3-chloropropane	0.375	0.336	0.010	-10.4	40.0
1,2,4-Trichlorobenzene	0.998	1.014	0.200	1.6	25.0
1,2,3-Trichlorobenzene	0.956	0.948	0.200	-0.9	25.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: N.i Calibration Date: 01/19/2010 Time: 2014

Lab File ID: NZA050EV Init. Calib. Date(s): 01/13/2010 01/13/2010

EPA Sample No.(VSTD#####): VSTD025NU Init. Calib. Time(s): 1704 1856

Heated Purge: (Y/N)Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 10.0 (mL)

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D	
Vinyl chloride-d3	0.457	0.442	0.010	-3.3	25.0	
Chloroethane-d5	0.373	0.367	0.010	-1.5	40.0	
1,1-Dichloroethene-d2	1.169	1.122	0.010	-4.0	25.0	
2-Butanone-d5	0.208	0.211	0.010	1.0	40.0	
Chloroform-d	0.991	0.996	0.010	0.5	25.0	
1,2-Dichloroethane-d4	0.423	0.438	0.010	3.6	25.0	
Benzene-d6	0.987	0.934	0.010	-5.4	25.0	
1,2-Dichloropropane-d6	0.562	0.613	0.010	9.0	40.0	
Toluene-d8	1.138	1.100	0.010	-3.3	25.0	
trans-1,3-Dichloropropene-d4	0.658	0.645	0.010	-2.0	25.0	
2-Hexanone-d5	0.167	0.163	0.010	-2.1	40.0	
1,4-Dioxane-d8	0.004	0.004	0.005	-1.1	50.0	<-
1,1,2,2-Tetrachloroethane-d2	0.890	0.909	0.010	2.2	25.0	
1,2-Dichlorobenzene-d4	0.929	0.892	0.010	-4.0	40.0	

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/N.i/Nsvr.p/nzaesoms.b/nza050ev.d

Page 4

Date : 19-JAN-2010 20:14

Client ID: VSTD025NU

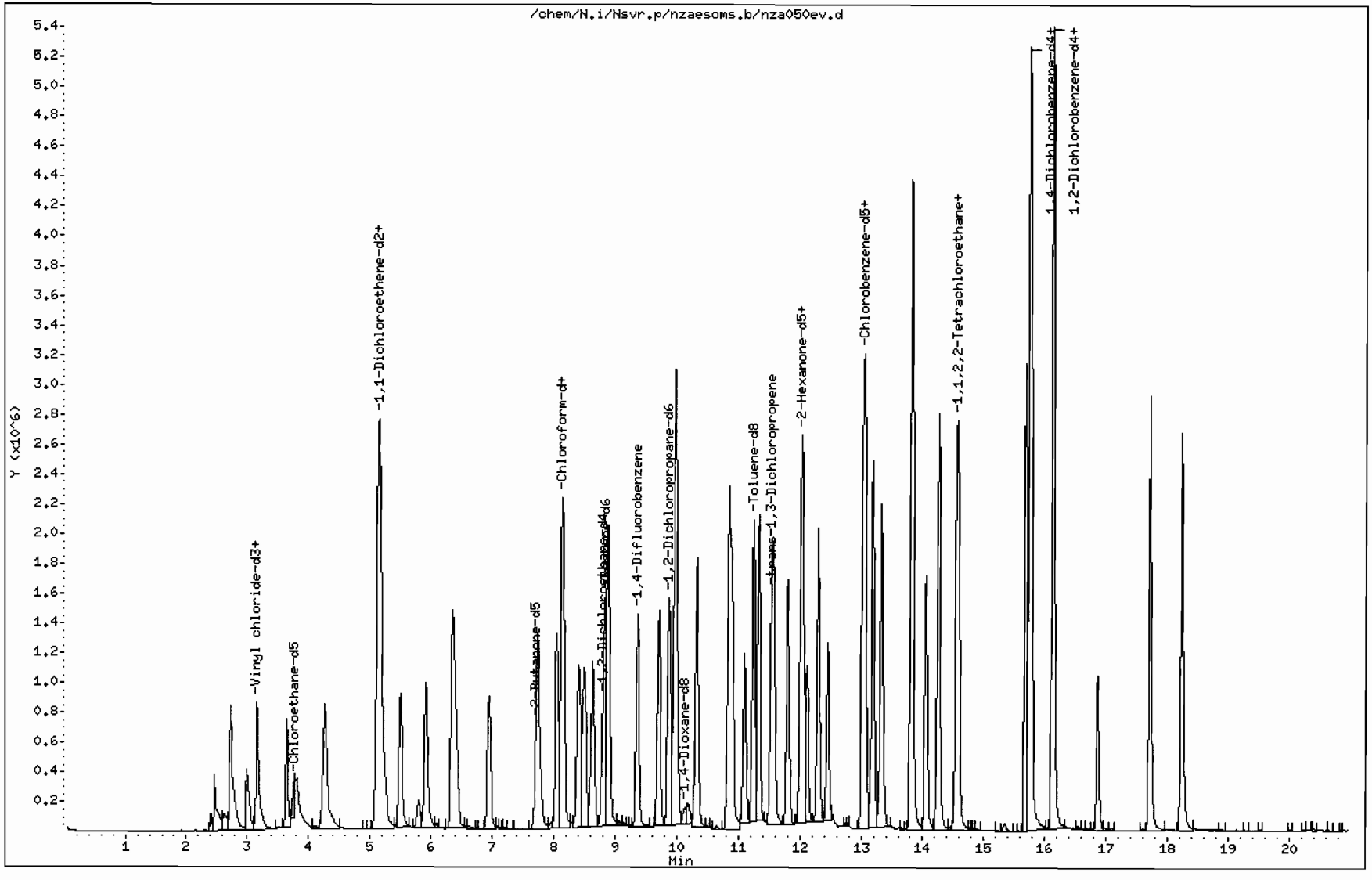
Instrument: N.i

Sample Info:

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzaesoms.b/nza050ev.d
Lab Smp Id: VSTD025NU Client Smp ID: VSTD025NU
Inj Date : 19-JAN-2010 20:14
Operator : JP1 Inst ID: N.i
Smp Info :
Misc Info : VSTD050NU,011910NU,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzaesoms.b/soms4.m
Meth Date : 25-Jan-2010 13:22 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 2 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 * X/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	2.732	2.722	(0.292)	1652126	25.0000	23
	2 Chloromethane	50	2.988	2.988	(0.319)	931488	25.0000	24
$	3 Vinyl chloride-d3	65	3.156	3.145	(0.337)	854263	25.0000	24
	4 Vinyl chloride	62	3.166	3.155	(0.338)	913954	25.0000	24
	5 Bromomethane	94	3.638	3.628	(0.389)	767314	25.0000	27(M)
$	6 Chloroethane-d5	69	3.767	3.756	(0.402)	710352	25.0000	25
	7 Chloroethane	64	3.816	3.806	(0.408)	558112	25.0000	25
	8 Trichlorofluoromethane	101	4.259	4.249	(0.455)	1926844	25.0000	24
$	9 1,1-Dichloroethene-d2	63	5.126	5.116	(0.548)	2169530	25.0000	24
	10 1,1-Dichloroethene	96	5.146	5.136	(0.550)	788974	25.0000	24
	11 1,1,2-Trichloro-1,2,2-trifluo	101	5.165	5.155	(0.552)	1777847	25.0000	24
	12 Acetone	43	5.244	5.244	(0.560)	506200	50.0000	46
	13 Carbon disulfide	76	5.500	5.490	(0.588)	2526354	25.0000	24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	14 Methyl acetate	43	5.796	5.786	(0.619)	549772	25.0000	25
	15 Methylene chloride	84	5.914	5.904	(0.632)	838234	25.0000	24
	16 trans-1,2-Dichloroethene	96	6.348	6.347	(0.678)	871367	25.0000	24
	17 Methyl tert-butyl ether	73	6.397	6.397	(0.683)	1708591	25.0000	24
	18 1,1-Dichloroethane	63	6.949	6.948	(0.742)	1781997	25.0000	25
$	19 2-Butanone-d5	46	7.707	7.707	(0.823)	814255	50.0000	51
	20 cis-1,2-Dichloroethene	96	7.737	7.736	(0.826)	846817	25.0000	25
	21 2-Butanone	43	7.786	7.786	(0.832)	724623	50.0000	50
	22 Bromochloromethane	128	8.052	8.052	(0.860)	554110	25.0000	25
$	23 Chloroform-d	84	8.121	8.121	(0.867)	1925845	25.0000	25
	24 Chloroform	83	8.150	8.150	(0.871)	1780745	25.0000	24
	25 1,1,1-Trichloroethane	97	8.407	8.406	(0.645)	1410183	25.0000	24
	26 Cyclohexane	56	8.495	8.495	(0.652)	1087729	25.0000	23
	27 Carbon tetrachloride	117	8.633	8.633	(0.663)	1319150	25.0000	24
$	28 1,2-Dichloroethane-d4	65	8.791	8.790	(0.939)	847180	25.0000	26
$	29 Benzene-d6	84	8.840	8.830	(0.679)	2112530	25.0000	24
	30 Benzene	78	8.889	8.879	(0.682)	1937340	25.0000	24
	31 1,2-Dichloroethane	62	8.889	8.889	(0.949)	950942	25.0000	25
*	32 1,4-Difluorobenzene	114	9.362	9.352	(1.000)	1933315	25.0000	
	33 Trichloroethene	95	9.707	9.697	(0.745)	925223	25.0000	24
$	34 1,2-Dichloropropane-d6	67	9.875	9.854	(0.758)	1385969	25.0000	27
	35 Methylcyclohexane	55	9.973	9.953	(0.766)	1195414	25.0000	27
	36 1,2-Dichloropropane	63	9.983	9.963	(0.766)	1146652	25.0000	27
$	37 1,4-Dioxane-d8	96	10.131	10.111	(1.082)	142785	500.000	490
	38 1,4-Dioxane	88	10.200	10.180	(1.089)	151456	500.000	460
	39 Bromodichloromethane	83	10.328	10.308	(0.793)	2166123	25.0000	24
	40 cis-1,3-Dichloropropene	75	10.899	10.869	(0.837)	1773388	25.0000	24
	41 4-Methyl-2-pentanone	43	11.106	11.076	(0.853)	1774102	50.0000	44
$	42 Toluene-d8	98	11.244	11.224	(0.863)	2487252	25.0000	24
	43 Toluene	91	11.333	11.312	(0.870)	2656533	25.0000	25
$	44 trans-1,3-Dichloropropene-d4	79	11.530	11.510	(0.885)	1457652	25.0000	25
	45 trans-1,3-Dichloropropene	75	11.569	11.549	(0.888)	1540108	25.0000	25
	46 1,1,2-Trichloroethane	97	11.805	11.785	(0.906)	933919	25.0000	24
	47 Tetrachloroethene	164	12.022	12.002	(0.923)	895241	25.0000	24
$	48 2-Hexanone-d5	63	12.052	12.041	(0.925)	738872	50.0000	49
	49 2-Hexanone	43	12.111	12.101	(0.930)	1427171	50.0000	47
	50 Dibromochloromethane	129	12.298	12.288	(0.944)	1780756	25.0000	24
	51 1,2-Dibromoethane	107	12.456	12.436	(0.956)	1552854	25.0000	24
*	52 Chlorobenzene-d5	117	13.027	13.007	(1.000)	2260833	25.0000	
	53 Chlorobenzene	112	13.057	13.046	(1.002)	2130834	25.0000	25
	54 Ethylbenzene	91	13.185	13.174	(1.012)	3230077	25.0000	24
	55 m,p-Xylene	106	13.332	13.312	(1.023)	1184203	25.0000	25
	56 o-Xylene	106	13.815	13.805	(1.060)	1159820	25.0000	25
	57 Styrene	104	13.825	13.815	(1.061)	2041822	25.0000	25
	58 Bromoform	173	14.052	14.041	(0.892)	1239065	25.0000	23
	59 Isopropylbenzene	105	14.259	14.248	(1.095)	3578723	25.0000	26
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.544	14.544	(1.116)	2056210	25.0000	26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	61 1,1,2,2-Tetrachloroethane	83	14.574	14.573	(1.119)	2011153	25.0000	26
	62 1,3-Dichlorobenzene	146	15.687	15.677	(0.996)	1874842	25.0000	24
*	63 1,4-Dichlorobenzene-d4	152	15.746	15.746	(1.000)	1372344	25.0000	
	64 1,4-Dichlorobenzene	146	15.766	15.765	(1.001)	2131504	25.0000	25
$	65 1,2-Dichlorobenzene-d4	152	16.120	16.120	(1.024)	1224732	25.0000	24
	66 1,2-Dichlorobenzene	146	16.140	16.140	(1.025)	1822242	25.0000	24
	67 1,2-Dibromo-3-chloropropane	75	16.859	16.859	(1.071)	460983	25.0000	22
	68 1,2,4-Trichlorobenzene	180	17.707	17.716	(1.125)	1391821	25.0000	25
	69 1,2,3-Trichlorobenzene	180	18.229	18.238	(1.158)	1301409	25.0000	25

QC Flag Legend

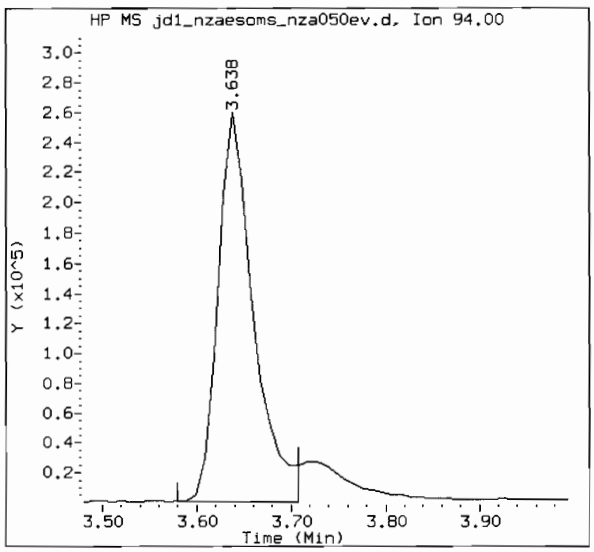
M - Compound response manually integrated.

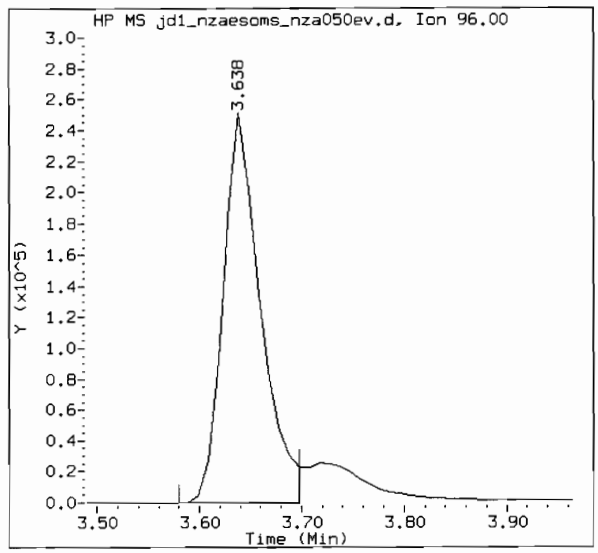
MANUAL INTEGRATION REPORT

Data File Name: nza050ev.d
Client Sample ID: VSTD025NU
Compound Name: Bromomethane

Inj. Date and Time: 19-JAN-2010 20:14
Instrument ID: N.i
CAS #: 74-83-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/25/2010 13:22





Original Integrations:

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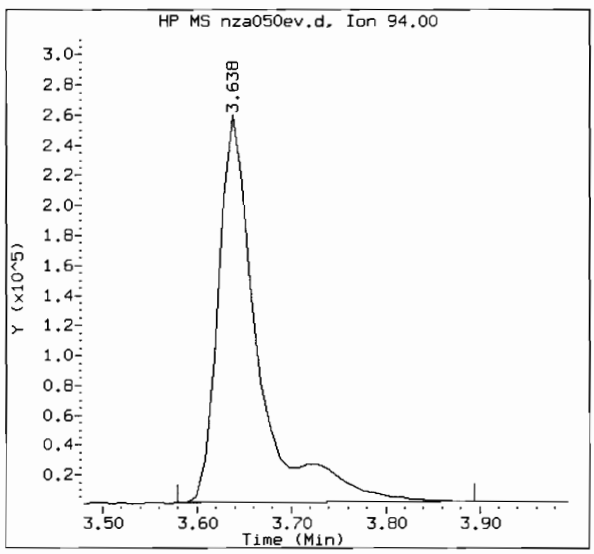
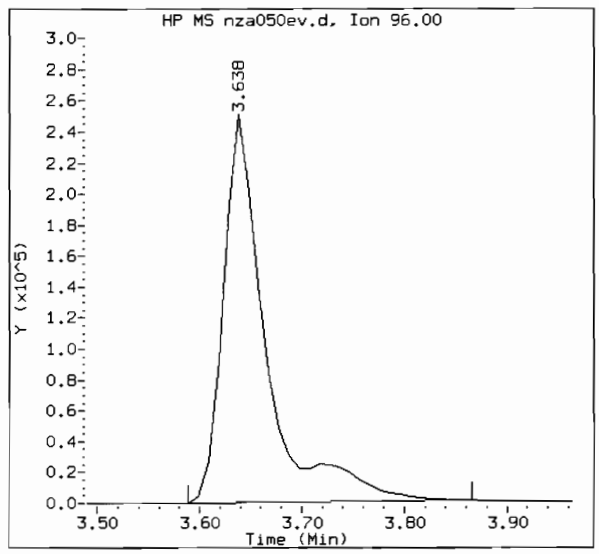
Area = 643206





Final Integrations:

Area = 767314

Area = 730998

Manual Integration Reason: MI1 - Poor automated baseline

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: N.i Calibration Date: 01/20/2010 Time: 0618

Lab File ID: NZA50EC1 Init. Calib. Date(s): 01/13/2010 01/13/2010

EPA Sample No.(VSTD#####): VSTD025UN Init. Calib. Time(s): 1704 1856

Heated Purge: (Y/N)Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 10.0 (mL)

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	0.929	0.912	0.010	-1.8	50.0	
Chloromethane	0.509	0.522	0.010	2.6	50.0	
Vinyl chloride	0.499	0.492	0.010	-1.3	50.0	
Bromomethane	0.364	0.384	0.010	5.7	50.0	
Chloroethane	0.291	0.309	0.010	6.0	50.0	
Trichlorofluoromethane	1.057	1.076	0.010	1.8	50.0	
1,1-Dichloroethene	0.428	0.424	0.010	-0.9	50.0	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.969	0.980	0.010	1.2	50.0	
Acetone	0.141	0.095	0.010	-32.6	50.0	
Carbon disulfide	1.348	1.340	0.010	-0.6	50.0	
Methyl acetate	0.288	0.304	0.010	5.5	50.0	
Methylene chloride	0.444	0.457	0.010	3.0	50.0	
trans-1,2-Dichloroethene	0.461	0.453	0.010	-1.6	50.0	
Methyl tert-butyl ether	0.922	0.963	0.010	4.5	50.0	
1,1-Dichloroethane	0.938	0.951	0.010	1.5	50.0	
cis-1,2-Dichloroethene	0.441	0.452	0.010	2.5	50.0	
2-Butanone	0.187	0.173	0.010	-7.8	50.0	
Bromochloromethane	0.283	0.292	0.010	3.4	50.0	
Chloroform	0.940	0.948	0.010	0.8	50.0	
1,1,1-Trichloroethane	0.659	0.701	0.010	6.3	50.0	
Cyclohexane	0.527	0.530	0.010	0.6	50.0	
Carbon tetrachloride	0.616	0.656	0.010	6.6	50.0	
Benzene	0.908	0.956	0.010	5.3	50.0	
1,2-Dichloroethane	0.491	0.515	0.010	4.9	50.0	
1,4-Dioxane	0.004	0.004	0.005	4.7	50.0	<-
Trichloroethene	0.428	0.434	0.010	1.3	50.0	
Methylcyclohexane	0.496	0.416	0.010	-16.1	50.0	

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: N.i Calibration Date: 01/20/2010 Time: 0618

Lab File ID: NZA50EC1 Init. Calib. Date(s): 01/13/2010 01/13/2010

EPA Sample No.(VSTD#####): VSTD025UN Init. Calib. Time(s): 1704 1856

Heated Purge: (Y/N)Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 10.0 (mL)

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.469	0.432	0.010	-7.8	50.0
Bromodichloromethane	0.993	1.064	0.010	7.2	50.0
cis-1,3-Dichloropropene	0.802	0.818	0.010	1.9	50.0
4-Methyl-2-pentanone	0.443	0.490	0.010	10.6	50.0
Toluene	1.194	1.214	0.010	1.7	50.0
trans-1,3-Dichloropropene	0.694	0.731	0.010	5.4	50.0
1,1,2-Trichloroethane	0.437	0.467	0.010	6.8	50.0
Tetrachloroethene	0.408	0.389	0.010	-4.8	50.0
2-Hexanone	0.334	0.355	0.010	6.3	50.0
Dibromochloromethane	0.805	0.873	0.010	8.4	50.0
1,2-Dibromoethane	0.708	0.765	0.010	8.0	50.0
Chlorobenzene	0.961	0.948	0.010	-1.4	50.0
Ethylbenzene	1.465	1.385	0.010	-5.5	50.0
o-Xylene	0.520	0.498	0.010	-4.2	50.0
m,p-Xylene	0.521	0.495	0.010	-5.0	50.0
Styrene	0.914	0.872	0.010	-4.5	50.0
Bromoform	0.973	1.160	0.010	19.1	50.0
Isopropylbenzene	1.511	1.363	0.010	-9.8	50.0
1,1,2,2-Tetrachloroethane	0.869	0.948	0.010	9.2	50.0
1,3-Dichlorobenzene	1.419	1.377	0.010	-3.0	50.0
1,4-Dichlorobenzene	1.569	1.520	0.010	-3.1	50.0
1,2-Dichlorobenzene	1.398	1.430	0.010	2.3	50.0
1,2-Dibromo-3-chloropropane	0.375	0.450	0.010	20.1	50.0
1,2,4-Trichlorobenzene	0.998	0.918	0.010	-8.1	50.0
1,2,3-Trichlorobenzene	0.956	0.912	0.010	-4.7	50.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: N.i Calibration Date: 01/20/2010 Time: 0618

Lab File ID: NZA50EC1 Init. Calib. Date(s): 01/13/2010 01/13/2010

EPA Sample No.(VSTD#####): VSTD025UN Init. Calib. Time(s): 1704 1856

Heated Purge: (Y/N)Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 10.0 (mL)

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D	
Vinyl chloride-d3	0.457	0.454	0.010	-0.6	50.0	
Chloroethane-d5	0.373	0.391	0.010	4.8	50.0	
1,1-Dichloroethene-d2	1.169	1.179	0.010	0.9	50.0	
2-Butanone-d5	0.208	0.189	0.010	-9.5	50.0	
Chloroform-d	0.991	1.022	0.010	3.1	50.0	
1,2-Dichloroethane-d4	0.423	0.434	0.010	2.7	50.0	
Benzene-d6	0.987	1.036	0.010	4.9	50.0	
1,2-Dichloropropane-d6	0.562	0.568	0.010	1.1	50.0	
Toluene-d8	1.138	1.158	0.010	1.8	50.0	
trans-1,3-Dichloropropene-d4	0.658	0.695	0.010	5.7	50.0	
2-Hexanone-d5	0.167	0.178	0.010	6.8	50.0	
1,4-Dioxane-d8	0.004	0.004	0.005	14.6	50.0	<-
1,1,2,2-Tetrachloroethane-d2	0.890	0.974	0.010	9.4	50.0	
1,2-Dichlorobenzene-d4	0.929	0.949	0.010	2.1	50.0	

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/N.i/Nsvr.p/nzaesoms.b/nza50ec1.d

Page 4

Date : 20-JAN-2010 06:18

Client ID: VSTD025UN

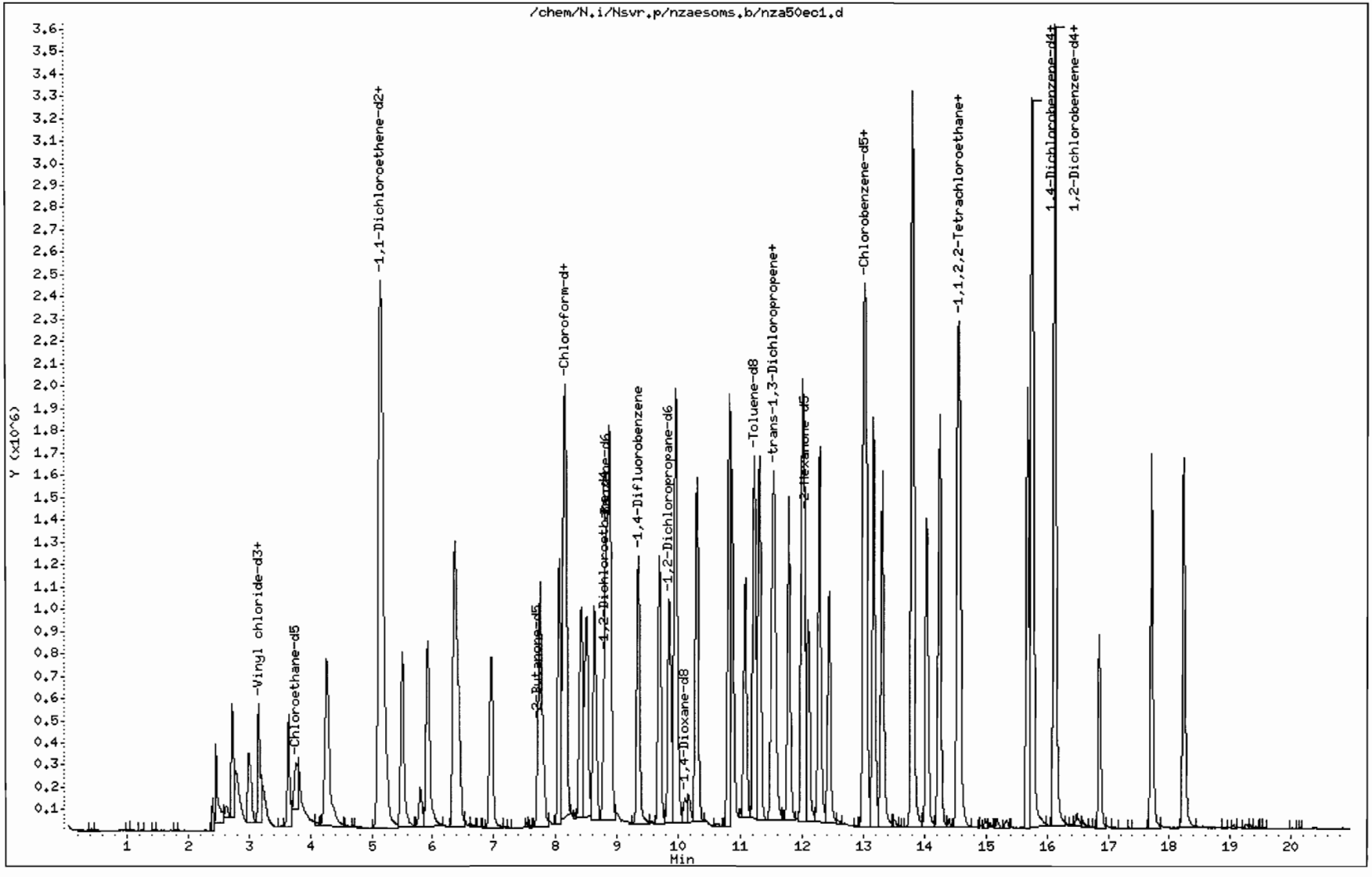
Instrument: N.i

Sample Info:

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzaesoms.b/nza50ec1.d
Lab Smp Id: VSTD025UN Client Smp ID: VSTD025UN
Inj Date : 20-JAN-2010 06:18
Operator : JP1 Inst ID: N.i
Smp Info :
Misc Info : VSTD050UN,011910NU,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzaesoms.b/soms4.m
Meth Date : 25-Jan-2010 13:22 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 19 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 * X/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	2.726	2.722	(0.292)	1493828	25.0000	25(M)
2	Chloromethane	50	2.992	2.988	(0.320)	854244	25.0000	26
$ 3	Vinyl chloride-d3	65	3.149	3.145	(0.337)	743090	25.0000	25
4	Vinyl chloride	62	3.159	3.155	(0.338)	805546	25.0000	25
5	Bromomethane	94	3.642	3.628	(0.390)	629034	25.0000	26(M)
$ 6	Chloroethane-d5	69	3.770	3.756	(0.403)	640101	25.0000	26
7	Chloroethane	64	3.819	3.806	(0.409)	505530	25.0000	26
8	Trichlorofluoromethane	101	4.262	4.249	(0.456)	1761116	25.0000	25
$ 9	1,1-Dichloroethene-d2	63	5.129	5.116	(0.549)	1931220	25.0000	25
10	1,1-Dichloroethene	96	5.149	5.136	(0.551)	694420	25.0000	25
11	1,1,2-Trichloro-1,2,2-trifluo	101	5.169	5.155	(0.553)	1604742	25.0000	25
12	Acetone	43	5.257	5.244	(0.563)	311232	50.0000	34
13	Carbon disulfide	76	5.504	5.490	(0.589)	2194721	25.0000	25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	14 Methyl acetate	43	5.799	5.786	(0.621)	497723	25.0000	26
	15 Methylene chloride	84	5.917	5.904	(0.633)	748722	25.0000	26
	16 trans-1,2-Dichloroethene	96	6.361	6.347	(0.681)	742100	25.0000	25
	17 Methyl tert-butyl ether	73	6.400	6.397	(0.685)	1576357	25.0000	26
	18 1,1-Dichloroethane	63	6.952	6.948	(0.744)	1557759	25.0000	25
$	19 2-Butanone-d5	46	7.710	7.707	(0.825)	617686	50.0000	45
	20 cis-1,2-Dichloroethene	96	7.750	7.736	(0.829)	740064	25.0000	26
	21 2-Butanone	43	7.789	7.786	(0.833)	565126	50.0000	46
	22 Bromochloromethane	128	8.055	8.052	(0.862)	478827	25.0000	26
$	23 Chloroform-d	84	8.134	8.121	(0.870)	1673302	25.0000	26
	24 Chloroform	83	8.154	8.150	(0.872)	1551664	25.0000	25
	25 1,1,1-Trichloroethane	97	8.410	8.406	(0.646)	1222487	25.0000	27
	26 Cyclohexane	56	8.499	8.495	(0.653)	924932	25.0000	25
	27 Carbon tetrachloride	117	8.627	8.633	(0.663)	1144286	25.0000	27
$	28 1,2-Dichloroethane-d4	65	8.784	8.790	(0.940)	711425	25.0000	26
$	29 Benzene-d6	84	8.824	8.830	(0.678)	1807047	25.0000	26
	30 Benzene	78	8.883	8.879	(0.683)	1667431	25.0000	26
	31 1,2-Dichloroethane	62	8.883	8.889	(0.950)	842641	25.0000	26
*	32 1,4-Difluorobenzene	114	9.346	9.352	(1.000)	1637350	25.0000	
	33 Trichloroethene	95	9.691	9.697	(0.745)	757000	25.0000	25
$	34 1,2-Dichloropropane-d6	67	9.848	9.854	(0.757)	991553	25.0000	25
	35 Methylcyclohexane	55	9.947	9.953	(0.764)	725461	25.0000	21
	36 1,2-Dichloropropane	63	9.967	9.963	(0.766)	754056	25.0000	23
$	37 1,4-Dioxane-d8	96	10.114	10.111	(1.082)	140189	500.000	570
	38 1,4-Dioxane	88	10.183	10.180	(1.090)	144563	500.000	520
	39 Bromodichloromethane	83	10.301	10.308	(0.792)	1856376	25.0000	27
	40 cis-1,3-Dichloropropene	75	10.863	10.869	(0.835)	1426374	25.0000	25
	41 4-Methyl-2-pentanone	43	11.080	11.076	(0.852)	1709401	50.0000	55
$	42 Toluene-d8	98	11.228	11.224	(0.863)	2020157	25.0000	25
	43 Toluene	91	11.306	11.312	(0.869)	2118217	25.0000	25
$	44 trans-1,3-Dichloropropene-d4	79	11.513	11.510	(0.885)	1212505	25.0000	26
	45 trans-1,3-Dichloropropene	75	11.553	11.549	(0.888)	1275261	25.0000	26
	46 1,1,2-Trichloroethane	97	11.779	11.785	(0.905)	814725	25.0000	27
	47 Tetrachloroethene	164	12.006	12.002	(0.923)	677915	25.0000	24
$	48 2-Hexanone-d5	63	12.035	12.041	(0.925)	621683	50.0000	53
	49 2-Hexanone	43	12.094	12.101	(0.930)	1237218	50.0000	53
	50 Dibromochloromethane	129	12.282	12.288	(0.944)	1522950	25.0000	27
	51 1,2-Dibromoethane	107	12.439	12.436	(0.956)	1333476	25.0000	27
*	52 Chlorobenzene-d5	117	13.011	13.007	(1.000)	1744213	25.0000	
	53 Chlorobenzene	112	13.040	13.046	(1.002)	1653174	25.0000	25
	54 Ethylbenzene	91	13.168	13.174	(1.012)	2415032	25.0000	24
	55 m,p-Xylene	106	13.316	13.312	(1.023)	862700	25.0000	24
	56 o-Xylene	106	13.799	13.805	(1.061)	868927	25.0000	24
	57 Styrene	104	13.809	13.815	(1.061)	1520943	25.0000	24
	58 Bromoform	173	14.035	14.041	(0.892)	1013128	25.0000	30
	59 Isopropylbenzene	105	14.242	14.248	(1.095)	2376829	25.0000	23
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.538	14.544	(1.117)	1698227	25.0000	27

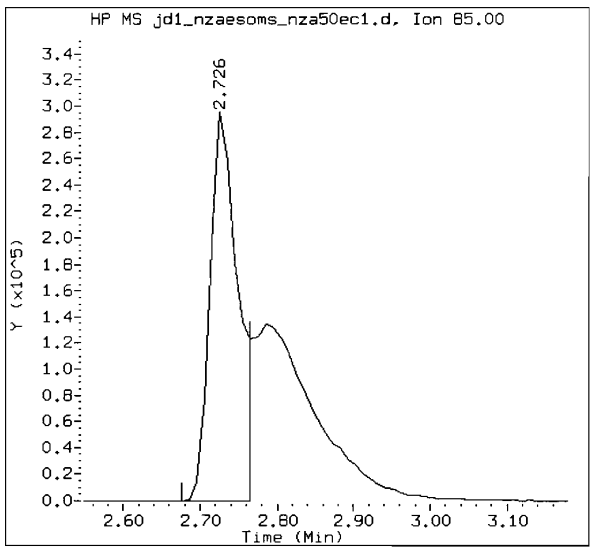
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	61 1,1,2,2-Tetrachloroethane	83	14.567	14.573	(1.120)	1653724	25.0000	27
	62 1,3-Dichlorobenzene	146	15.680	15.677	(0.996)	1203038	25.0000	24
*	63 1,4-Dichlorobenzene-d4	152	15.740	15.746	(1.000)	873748	25.0000	
	64 1,4-Dichlorobenzene	146	15.769	15.765	(1.002)	1328216	25.0000	24
$	65 1,2-Dichlorobenzene-d4	152	16.124	16.120	(1.024)	829131	25.0000	26
	66 1,2-Dichlorobenzene	146	16.134	16.140	(1.025)	1249581	25.0000	26
	67 1,2-Dibromo-3-chloropropane	75	16.853	16.859	(1.071)	393346	25.0000	30
	68 1,2,4-Trichlorobenzene	180	17.710	17.716	(1.125)	801894	25.0000	23
	69 1,2,3-Trichlorobenzene	180	18.232	18.238	(1.158)	796604	25.0000	24

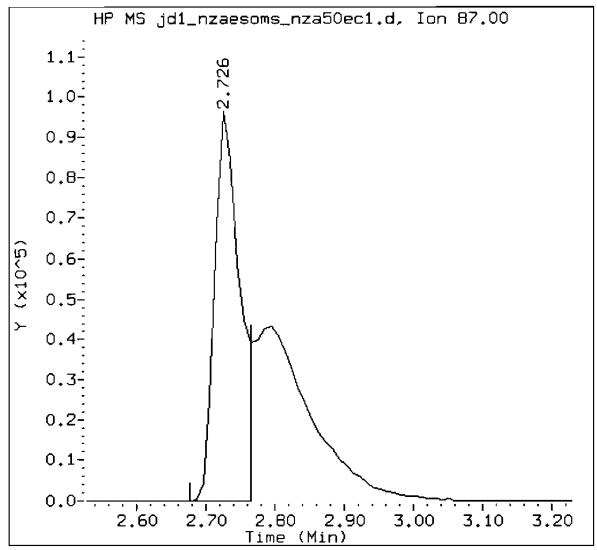
QC Flag Legend

M - Compound response manually integrated.

MANUAL INTEGRATION REPORT

Data File Name: nza50ec1.d
Inj. Date and Time: 20-JAN-2010 06:18
Target Version: Target 3.50
Client Sample ID: VSTD025UN
Instrument ID: N.i
Report Version: 1.1
Compound Name: Dichlorodifluoromethane
CAS #: 75-71-8
Report Date: 01/25/2010 13:22





Original Integrations:

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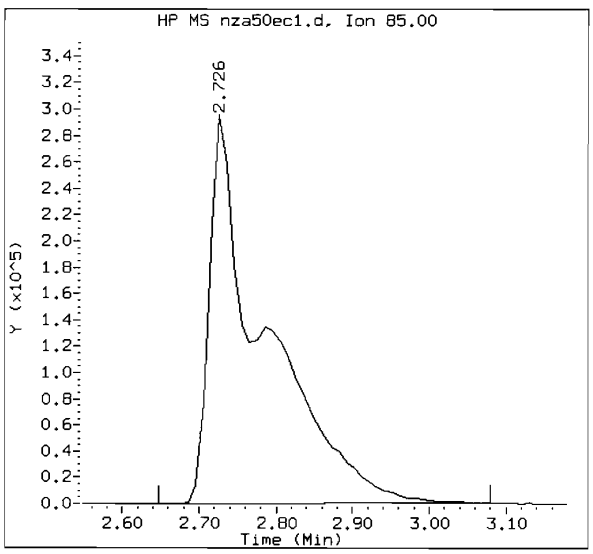
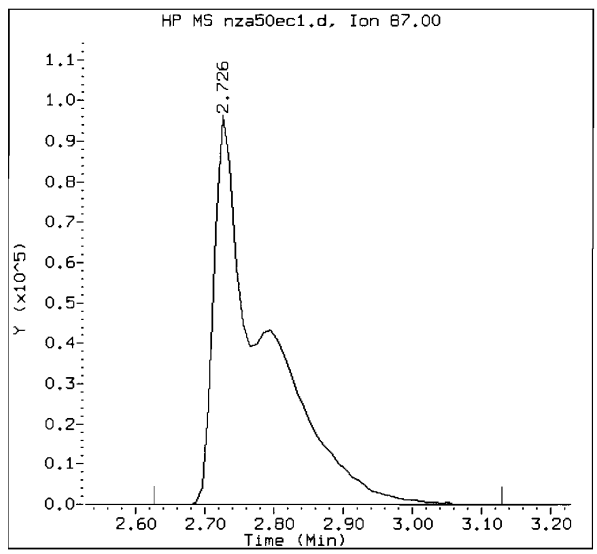
Area = 249111





Final Integrations:

Area = 1493828

Area = 488544

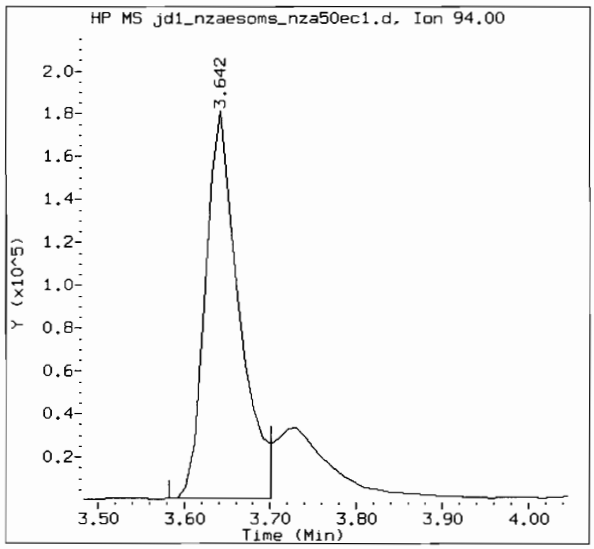
Manual Integration Reason: MI1 - Poor automated baseline

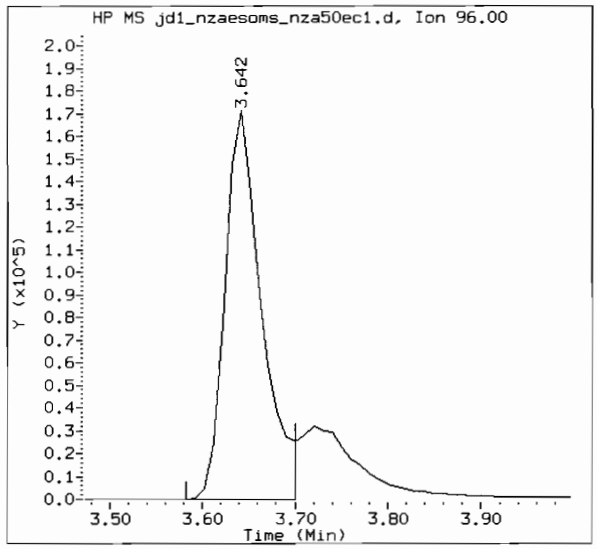
MANUAL INTEGRATION REPORT

Data File Name: nza50ec1.d
Client Sample ID: VSTD025UN
Compound Name: Bromomethane

Inj. Date and Time: 20-JAN-2010 06:18
Instrument ID: N.i
CAS #: 74-83-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/25/2010 13:22

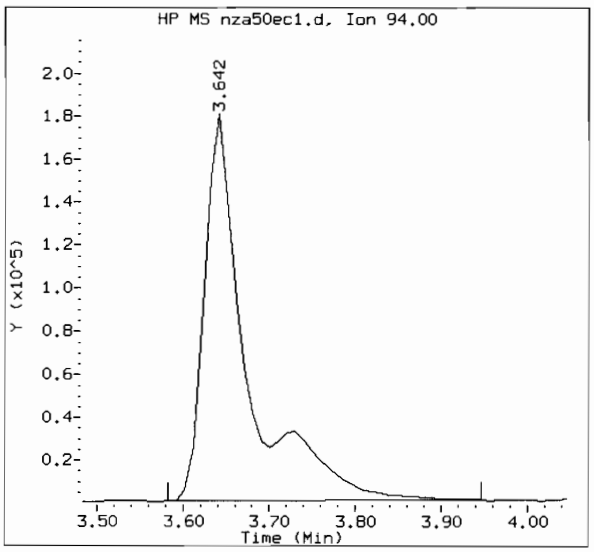


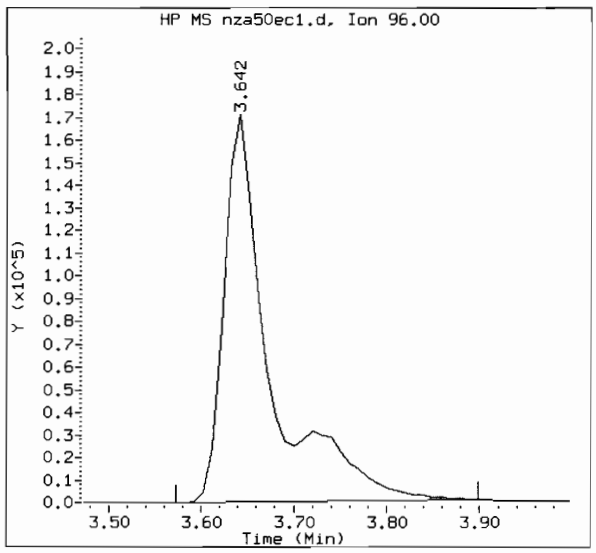


Original Integrations:

Area = 493157

Area = 473326





Final Integrations:

Area = 629034

Area = 593834

Manual Integration Reason: MI1 - Poor automated baseline

Raw QC Data – SOM01.2 Volatiles

Data File: /chem/N.i/Nsvr.p/nzasoms.b/nza01pv.d

Date : 13-JAN-2010 16:06

Client ID: BFBNO

Instrument: N.i

Sample Info: 50ng BFB

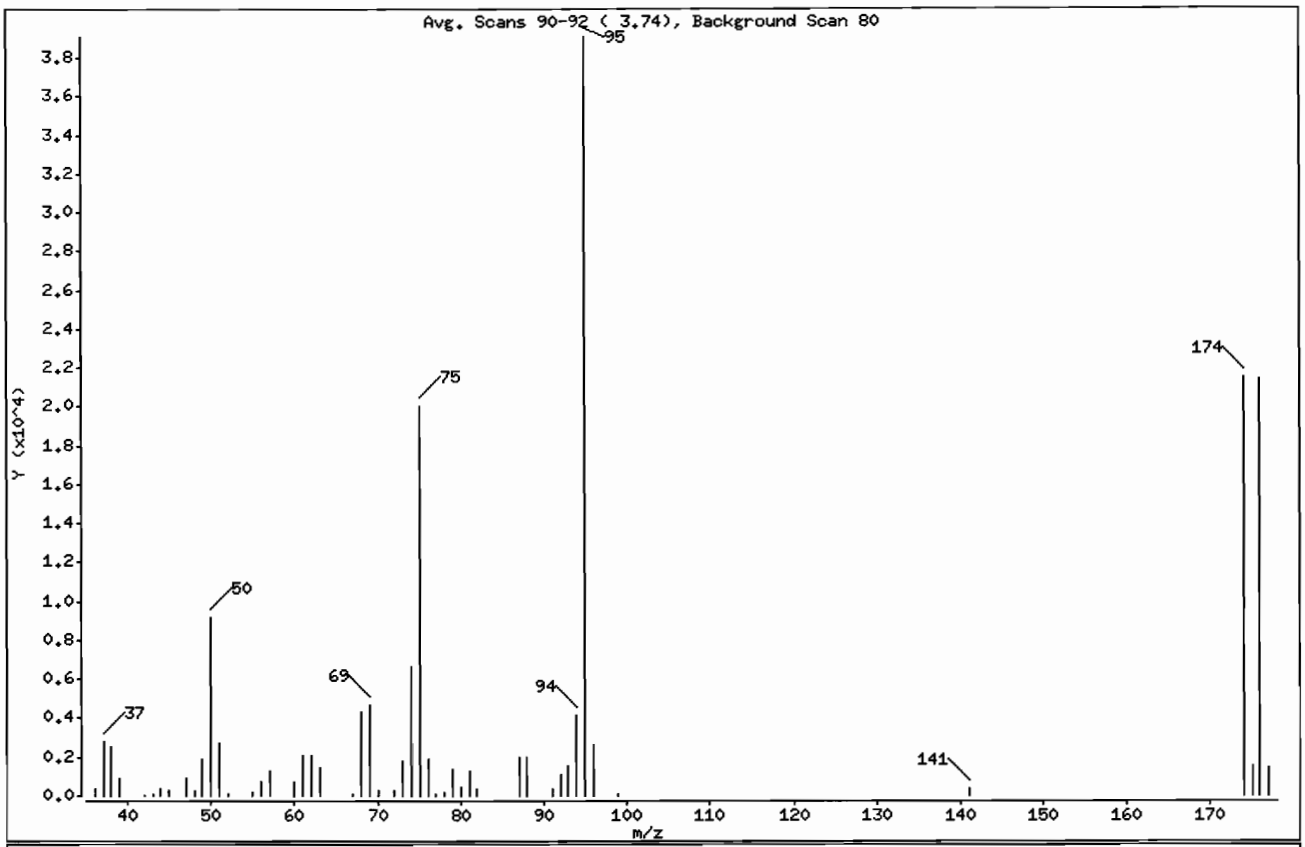
Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.40
75	30.00 - 80.00% of mass 95	51.28
96	5.00 - 9.00% of mass 95	6.71
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	54.99
175	5.00 - 9.00% of mass 174	3.83 (6.97)
176	95.00 - 101.00% of mass 174	54.69 (99.44)
177	5.00 - 9.00% of mass 176	3.79 (6.92)

Data File: /chem/N.i/Nsvr.p/nzasoms.b/nza01pv.d

Date : 13-JAN-2010 16:06

Client ID: BFBNO Instrument: N.i

Sample Info: 50ng BFB

Volume Injected (uL): 2.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Data File: nza01pv.d
Spectrum: Avg. Scans 90-92 (3.74), Background Scan 80
Location of Maximum: 95.00
Number of points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	398	52.00	104	73.00	1826	92.00	1067
37.00	2765	55.00	166	74.00	6614	93.00	1517
38.00	2552	56.00	696	75.00	20040	94.00	4143
39.00	943	57.00	1295	76.00	1851	95.00	39088
42.00	1	60.00	725	77.00	128	96.00	2624
43.00	71	61.00	2057	78.00	152	99.00	110
44.00	374	62.00	2026	79.00	1315	141.00	337
45.00	272	63.00	1441	80.00	431	174.00	21496
47.00	934	67.00	127	81.00	1242	175.00	1499
48.00	239	68.00	4332	82.00	359	176.00	21376
49.00	1924	69.00	4681	87.00	1997	177.00	1480
50.00	9148	70.00	259	88.00	1961		
51.00	2701	72.00	247	91.00	328		

Data File: /chem/N.i/Nsvr.p/nzasoms.b/nza01pv.d

Page 1

Date : 13-JAN-2010 16:06

Client ID: BFBNO

Instrument: N.i

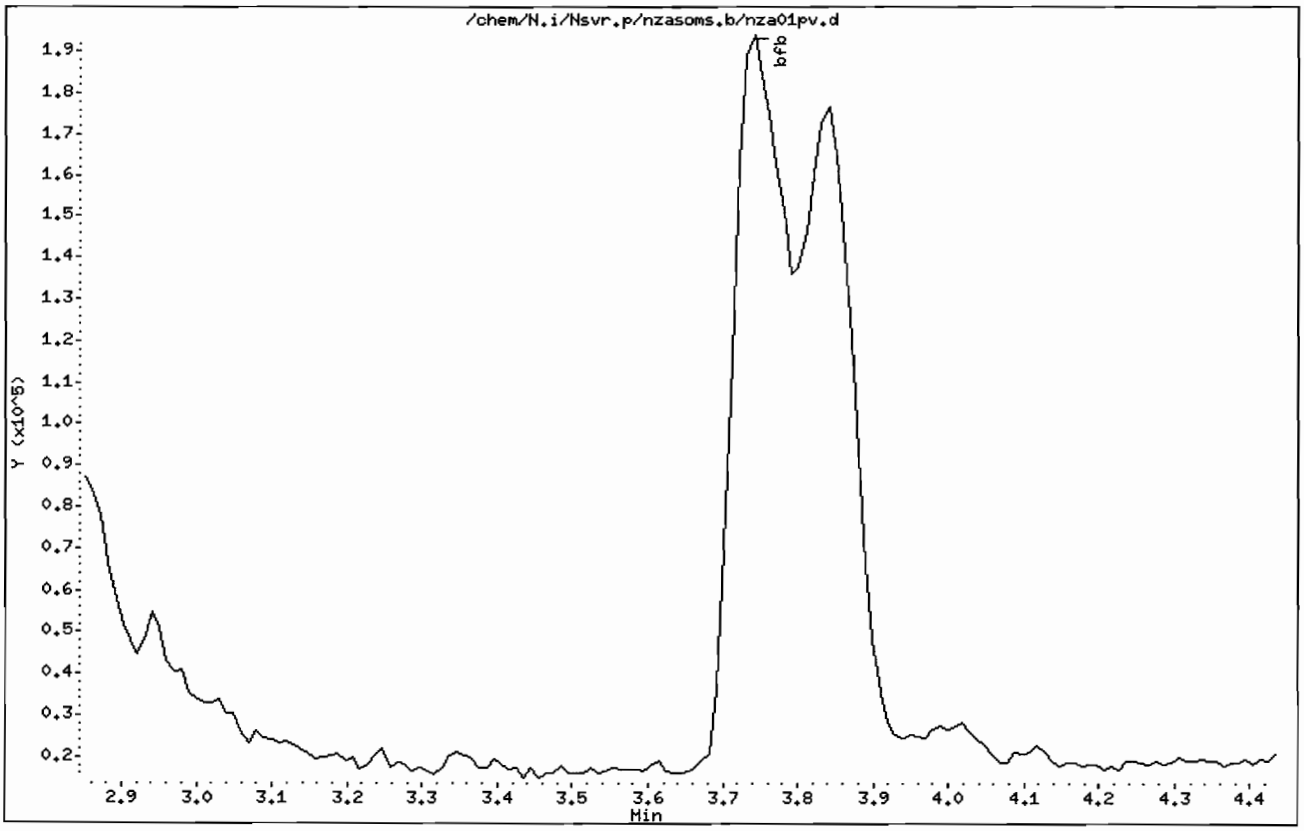
Sample Info: 50ng BFB

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/N.i/Nsvr.p/nzadsoms.b/nza07pv.d

Date : 19-JAN-2010 08:10

Client ID: BFBNT

Instrument: N.i

Sample Info: 50ng BFB

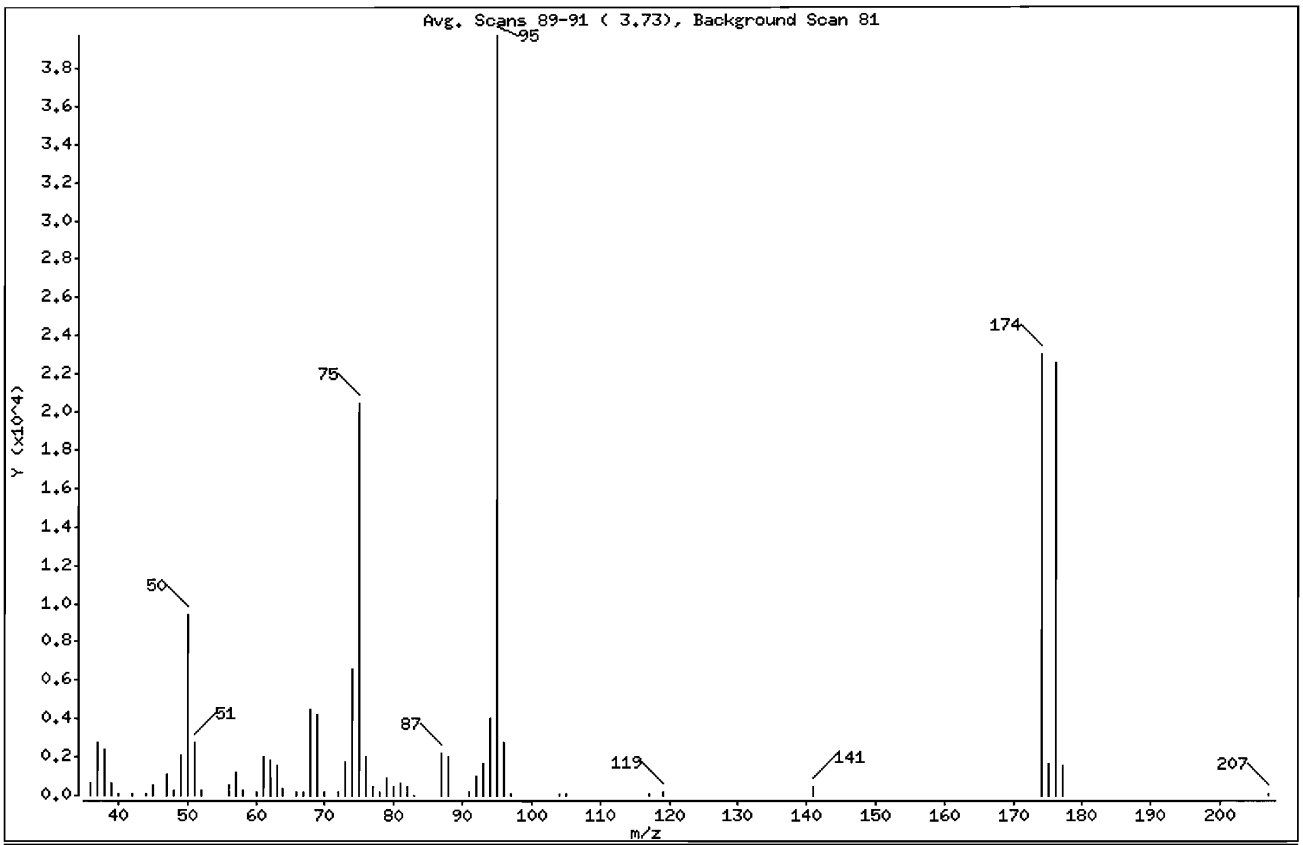
Volume Injected (uL): 2.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.73
75	30.00 - 80.00% of mass 95	51.47
96	5.00 - 9.00% of mass 95	6.96
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	57.88
175	5.00 - 9.00% of mass 174	4.12 (7.12)
176	95.00 - 101.00% of mass 174	56.80 (98.14)
177	5.00 - 9.00% of mass 176	3.80 (6.68)

Data File: /chem/N.i/Nsvr.p/nzadsoms.b/nza07pv.d

Date : 19-JAN-2010 08:10

Client ID: BFBNT

Instrument: N.i

Sample Info: 50ng BFB

Volume Injected (uL): 2.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Data File: nza07pv.d
Spectrum: Avg. Scans 89-91 (3.73), Background Scan 81
Location of Maximum: 95.00
Number of points: 58

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	671	57.00	1142	75.00	20448	95.00	39728
37.00	2724	58.00	238	76.00	1997	96.00	2765
38.00	2414	60.00	208	77.00	446	97.00	125
39.00	670	61.00	2022	78.00	208	104.00	115
40.00	67	62.00	1826	79.00	922	105.00	106
42.00	53	63.00	1553	80.00	419	117.00	101
44.00	78	64.00	380	81.00	604	119.00	154
45.00	583	66.00	220	82.00	475	141.00	437
47.00	1066	67.00	139	83.00	21	174.00	22992
48.00	292	68.00	4510	87.00	2154	175.00	1638
49.00	2078	69.00	4233	88.00	2018	176.00	22568
50.00	9430	70.00	166	91.00	216	177.00	1508
51.00	2737	72.00	210	92.00	1010	207.00	123
52.00	258	73.00	1766	93.00	1633		
56.00	566	74.00	6569	94.00	3989		

Data File: /chem/N.i/Nsvr.p/nzadsoms.b/nza07pv.d

Date : 19-JAN-2010 08:10

Client ID: BFBNT

Instrument: N.i

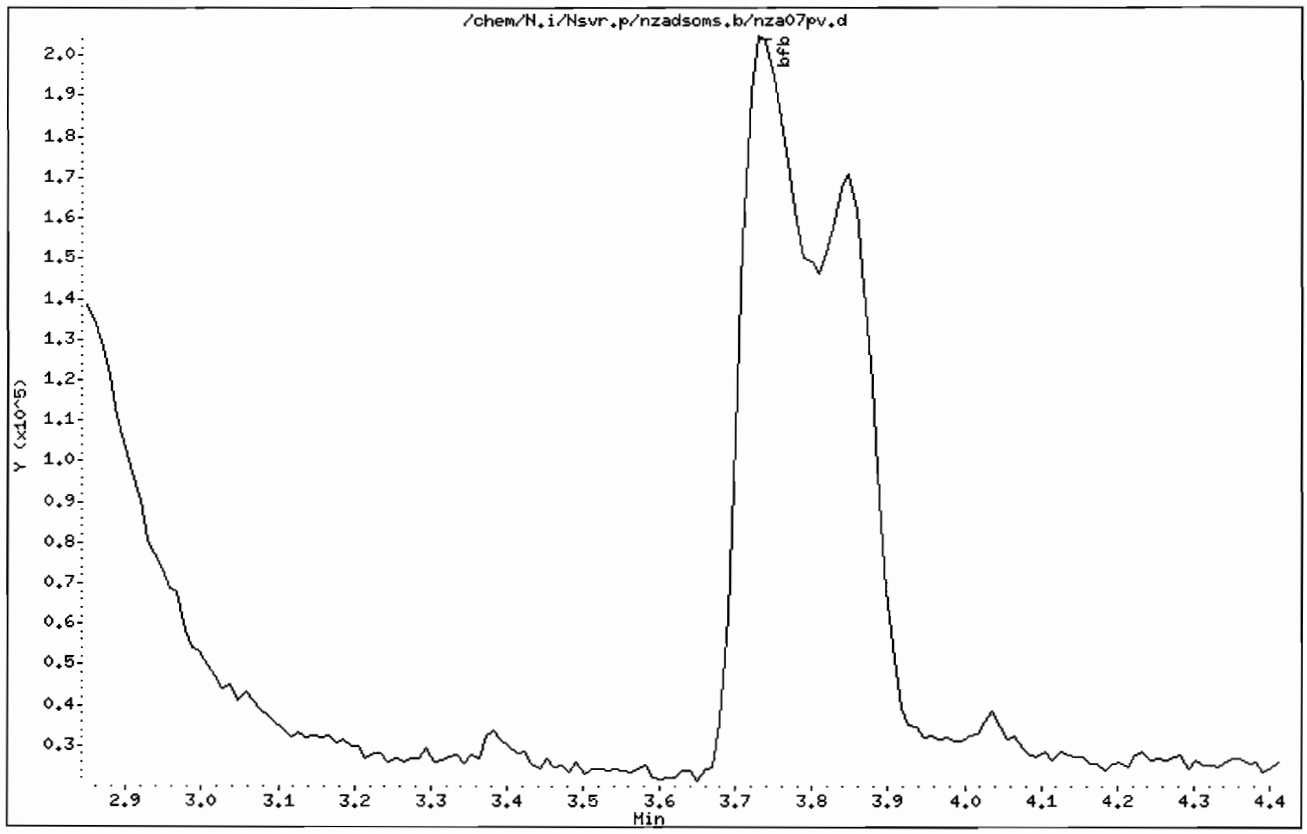
Sample Info: 50ng BFB

Volume Injected (uL): 2.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/N.i/Nsvr.p/nzaesoms.b/nza08pv.d

Date : 19-JAN-2010 19:22

Client ID: BFBNU

Instrument: N.i

Sample Info: 50ng BFB

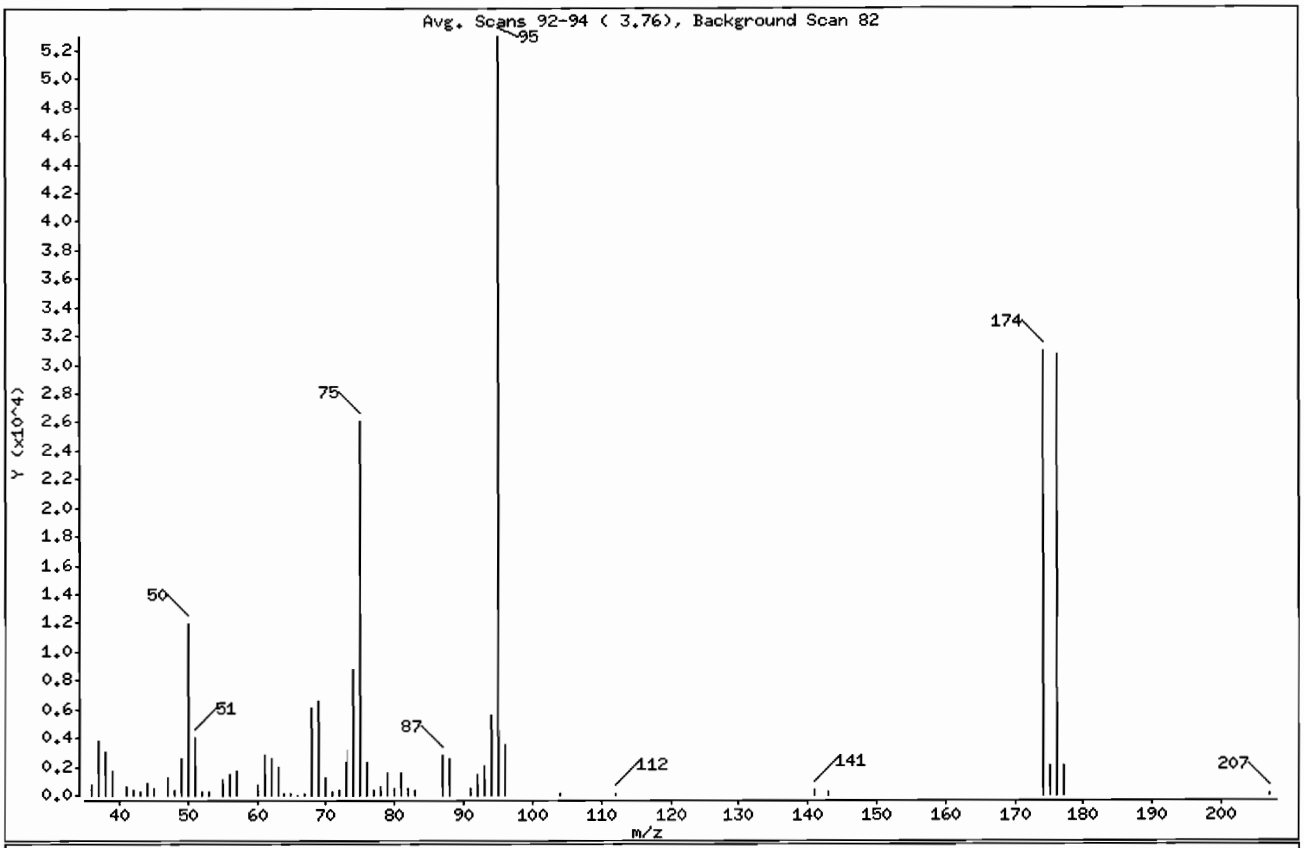
Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.56
75	30.00 - 80.00% of mass 95	49.27
96	5.00 - 9.00% of mass 95	6.66
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	58.37
175	5.00 - 9.00% of mass 174	3.99 (6.83)
176	95.00 - 101.00% of mass 174	57.90 (99.18)
177	5.00 - 9.00% of mass 176	3.99 (6.89)

Data File: /chem/N.i/Nsvr.p/nzaesoms.b/nza08pv.d

Date : 19-JAN-2010 19:22

Client ID: BFBNU

Instrument: N.i

Sample Info: 50ng BFB

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Data File: nza08pv.d

Spectrum: Avg. Scans 92-94 (3.76), Background Scan 82

Location of Maximum: 95.00

Number of points: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	743	55.00	1136	73.00	2254	94.00	5658
37.00	3768	56.00	1439	74.00	8788	95.00	52968
38.00	3101	57.00	1703	75.00	26096	96.00	3527
39.00	1650	60.00	695	76.00	2270	104.00	119
41.00	591	61.00	2814	77.00	395	112.00	144
42.00	323	62.00	2581	78.00	586	141.00	398
43.00	192	63.00	1908	79.00	1590	143.00	259
44.00	792	64.00	108	80.00	449	174.00	30920
45.00	452	65.00	162	81.00	1604	175.00	2111
47.00	1233	66.00	60	82.00	478	176.00	30664
48.00	317	67.00	141	83.00	368	177.00	2114
49.00	2511	68.00	6088	87.00	2758	207.00	112
50.00	11950	69.00	6546	88.00	2577		
51.00	4031	70.00	1189	91.00	451		
52.00	268	71.00	206	92.00	1402		
53.00	285	72.00	407	93.00	2081		

Data File: /chem/N.i/Nsvr.p/nzaesoms.b/nza08pv.d

Date : 19-JAN-2010 19:22

Client ID: BFBNU

Instrument: N.i

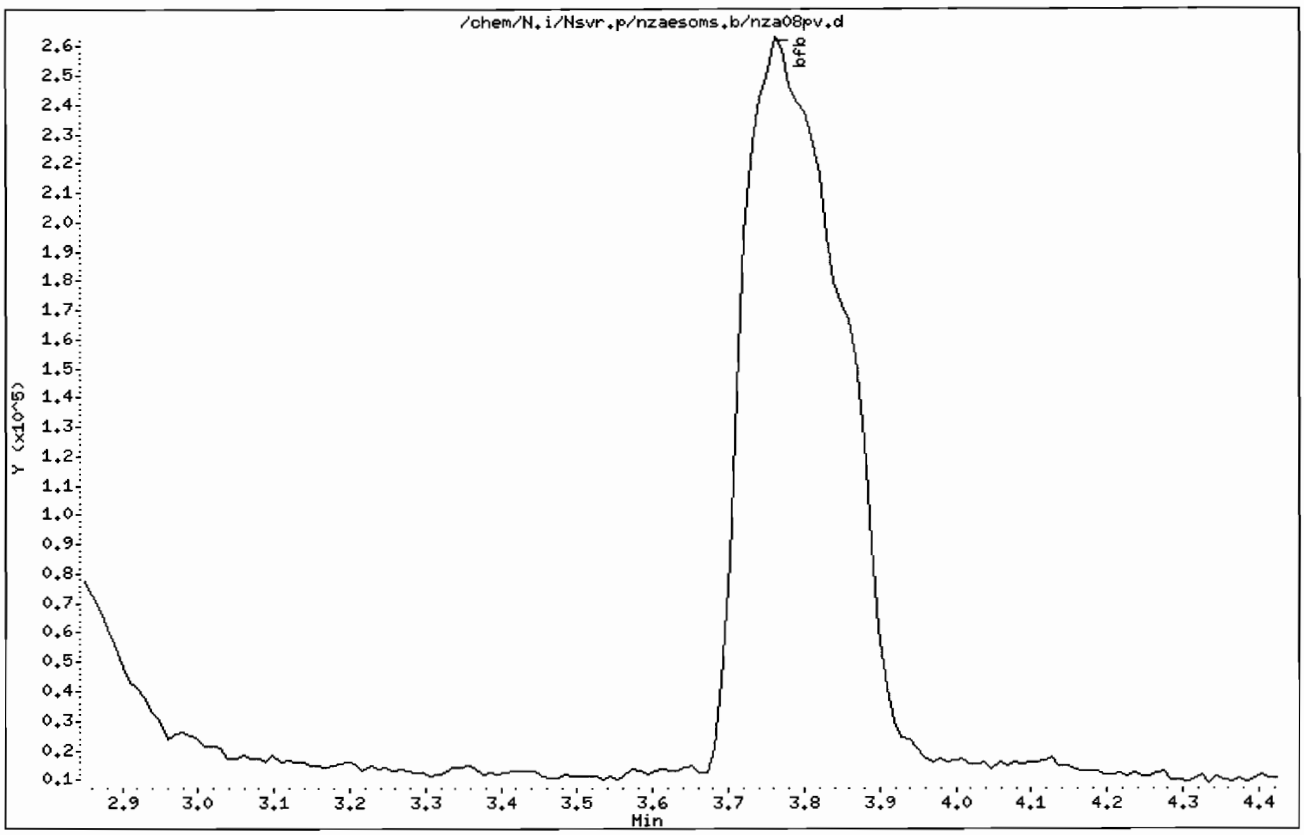
Sample Info: 50ng BFB

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKNT

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: VBLKNT

Sample wt/vol: 5.00 (g/mL) g Lab File ID: NZAB03D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKNT

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: VBLKNT

Sample wt/vol: 5.00 (g/mL) g Lab File ID: NZAB03D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VBLKNT

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: VBLKNT

Sample wt/vol: 5.00 (g/mL) g Lab File ID: NZAB03D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.83	72	JX
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

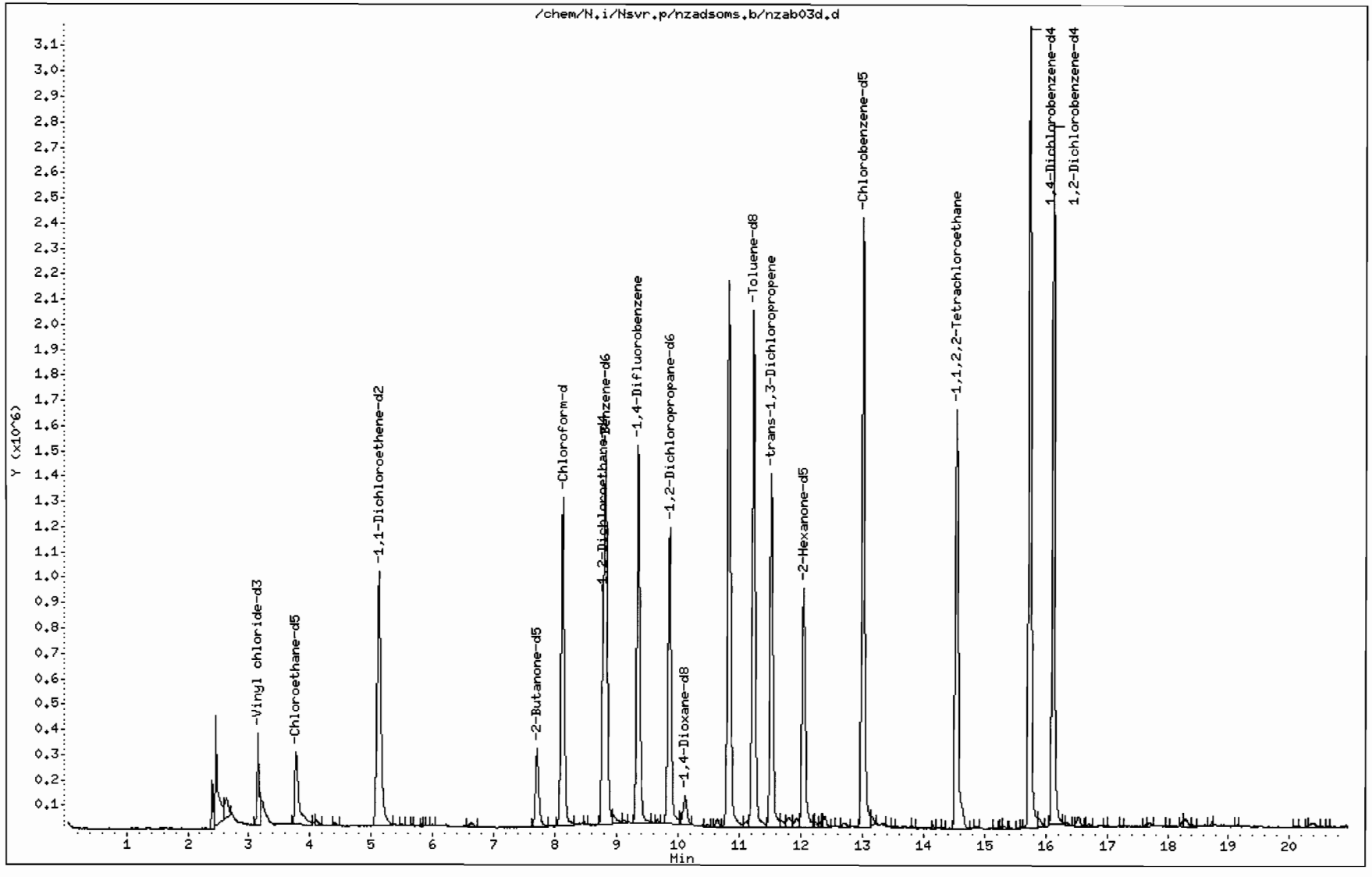
SOM01.2

Data File: /chem/N.i/Nsvr.p/nzadsoms.b/nzab03d.d
Date : 19-JAN-2010 09:58
Client ID: VBLKNT
Sample Info: mb

Column phase: DB-624

Instrument: N.i

Operator: MRV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzadsoms.b/nzab03d.d
Lab Smp Id: VBLKNT Client Smp ID: VBLKNT
Inj Date : 19-JAN-2010 09:58
Operator : MRV Inst ID: N.i
Smp Info : mb
Misc Info : VBLKNT,121609NA,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzadsoms.b/soms4.m
Meth Date : 25-Jan-2010 13:05 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 2 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 * X/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	3.146	3.145	(0.337)	914462	24.0406	48
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	3.777	3.756	(0.404)	762554	24.5441	49
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	5.117	5.116	(0.548)	1709667	17.5687	35
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	Compound Not Detected.					
	13 Carbon disulfide	76	Compound Not Detected.					

			QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
	14	Methyl acetate	43	Compound Not Detected.					
	15	Methylene chloride	84	Compound Not Detected.					
	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	7.698	7.707	(0.824)	801851	46.1997	92
	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	8.121	8.121	(0.869)	1874768	22.7143	45(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	8.781	8.790	(0.940)	800869	22.7343	45
$	29	Benzene-d6	84	8.821	8.830	(0.678)	2174612	24.3522	49
	30	Benzene	78	Compound Not Detected.					
	31	1,2-Dichloroethane	62	Compound Not Detected.					
*	32	1,4-Difluorobenzene	114	9.343	9.352	(1.000)	2081980	25.0000	
	33	Trichloroethene	95	Compound Not Detected.					
$	34	1,2-Dichloropropane-d6	67	9.855	9.854	(0.758)	1105199	21.7345	43
	35	Methylcyclohexane	55	Compound Not Detected.					
	36	1,2-Dichloropropane	63	Compound Not Detected.					
$	37	1,4-Dioxane-d8	96	10.121	10.111	(1.083)	147689	474.734	950
	38	1,4-Dioxane	88	Compound Not Detected.					
	39	Bromodichloromethane	83	Compound Not Detected.					
	40	cis-1,3-Dichloropropene	75	Compound Not Detected.					
	41	4-Methyl-2-pentanone	43	Compound Not Detected.					
$	42	Toluene-d8	98	11.234	11.224	(0.864)	2515620	24.4463	49
	43	Toluene	91	Compound Not Detected.					
$	44	trans-1,3-Dichloropropene-d4	79	11.520	11.510	(0.886)	1427388	23.9982	48
	45	trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46	1,1,2-Trichloroethane	97	Compound Not Detected.					
	47	Tetrachloroethene	164	Compound Not Detected.					
$	48	2-Hexanone-d5	63	12.042	12.041	(0.926)	670105	44.3915	89
	49	2-Hexanone	43	Compound Not Detected.					
	50	Dibromochloromethane	129	Compound Not Detected.					
	51	1,2-Dibromoethane	107	Compound Not Detected.					
*	52	Chlorobenzene-d5	117	13.008	13.007	(1.000)	2261108	25.0000	
	53	Chlorobenzene	112	Compound Not Detected.					
	54	Ethylbenzene	91	Compound Not Detected.					
	55	m,p-Xylene	106	Compound Not Detected.					
	56	o-Xylene	106	Compound Not Detected.					
	57	Styrene	104	Compound Not Detected.					
	58	Bromoform	172	Compound Not Detected.					
	59	Isopropylbenzene	105	Compound Not Detected.					
$	60	1,1,2,2-Tetrachloroethane-d2	84	14.545	14.544	(1.118)	1796655	22.3251	45
	61	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
	62 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	63 1,4-Dichlorobenzene-d4	152	15.737	15.746	(1.000)	1280199	25.0000	
	64 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	65 1,2-Dichlorobenzene-d4	152	16.121	16.120	(1.024)	1091326	22.9308	46
	66 1,2-Dichlorobenzene	146	Compound Not Detected.					
	67 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
	68 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	69 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/N.i/Nsvr.p/nzadsoms.b/nzab03d.d
Lab Smp Id: VBLKNT Client Smp ID: VBLKNT
Inj Date : 19-JAN-2010 09:58
Operator : MRV Inst ID: N.i
Smp Info : mb
Misc Info : VBLKNT,121609NA,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzadsoms.b/soms4.m
Meth Date : 25-Jan-2010 13:05 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 2 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 * X/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	9.343	5224560	25.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.831	7500752	35.8917869	72	0	0		32

Data File: /chem/N.i/Nsvr.p/nzadsoms.b/nzab03d.d

Date : 19-JAN-2010 09:58

Client ID: VBLKNT

Instrument: N.i

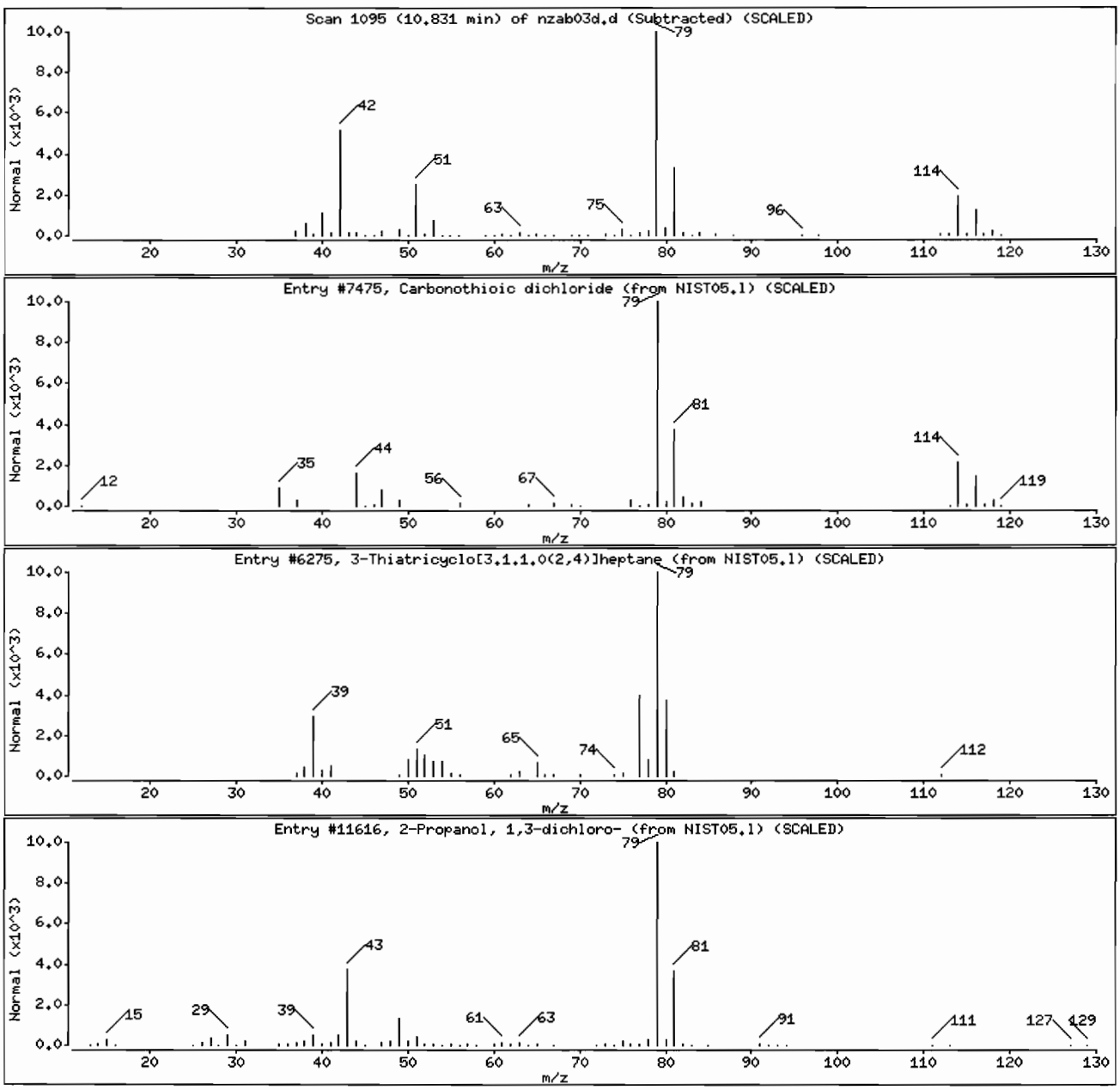
Sample Info: mb

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	49	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.l	6275	32	C6H8S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.l	11616	23	C3H6Cl2O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKNU

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: VBLKNU

Sample wt/vol: 5.00 (g/mL) g Lab File ID: NZAB03E

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKNU

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: VBLKNU

Sample wt/vol: 5.00 (g/mL) g Lab File ID: NZAB03E

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VBLKNU

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: VBLKNU

Sample wt/vol: 5.00 (g/mL) g Lab File ID: NZAB03E

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.82	77	JX
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

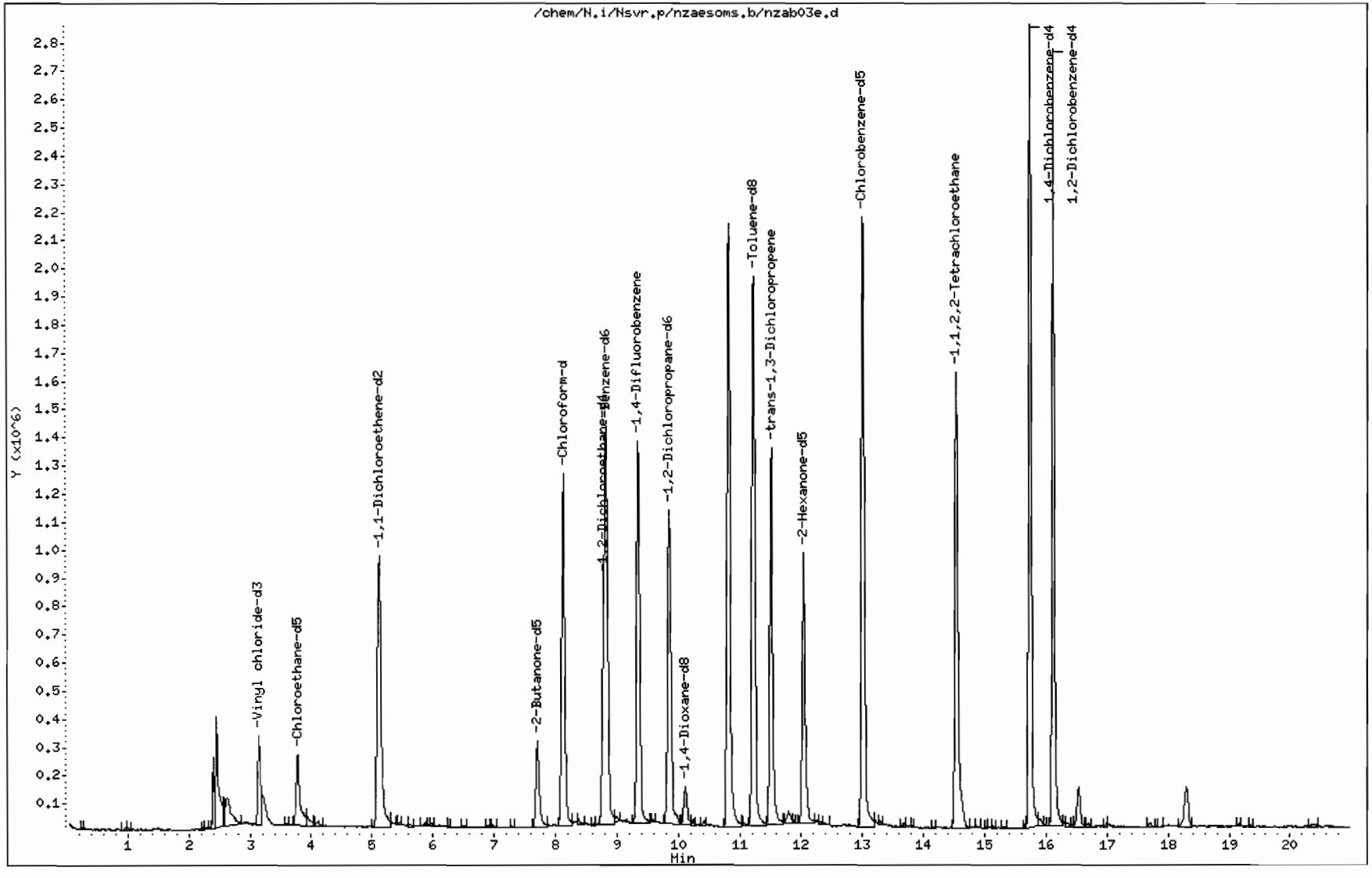
(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/N.i/Nsvr.p/nzaesoms.b/nzab03e.d
Date : 19-JAN-2010 21:10
Client ID: VBLKNU
Sample Info:

Instrument: N.i

Operator: JP1
Column phase: DB-624
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzaesoms.b/nzab03e.d
Lab Smp Id: VBLKNU Client Smp ID: VBLKNU
Inj Date : 19-JAN-2010 21:10
Operator : JP1 Inst ID: N.i
Smp Info :
Misc Info : VBLKNU,011910NU,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzaesoms.b/soms4.m
Meth Date : 25-Jan-2010 13:22 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 2 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 * X/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	3.149	3.145	(0.337)	864544	25.7199	51
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	3.780	3.756	(0.404)	719907	26.2214	52
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	5.119	5.116	(0.548)	1636941	19.0355	38
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	Compound Not Detected.					
	13 Carbon disulfide	76	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	Compound Not Detected.					
	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	7.700	7.707	(0.824)	788004	51.3778	100
	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	8.124	8.121	(0.869)	1784554	24.4672	49(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	8.784	8.790	(0.940)	802748	25.7870	52
$	29 Benzene-d6	84	8.824	8.830	(0.678)	2071722	25.0697	50
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	9.346	9.352	(1.000)	1839817	25.0000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.858	9.854	(0.758)	1061523	22.5579	45
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
$	37 1,4-Dioxane-d8	96	10.124	10.111	(1.083)	140690	511.761	1000
	38 1,4-Dioxane	88	Compound Not Detected.					
	39 Bromodichloromethane	83	Compound Not Detected.					
	40 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	41 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	42 Toluene-d8	98	11.227	11.224	(0.863)	2391379	25.1117	50
	43 Toluene	91	Compound Not Detected.					
$	44 trans-1,3-Dichloropropene-d4	79	11.513	11.510	(0.885)	1392238	25.2936	51
	45 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46 1,1,2-Trichloroethane	97	Compound Not Detected.					
	47 Tetrachloroethene	164	Compound Not Detected.					
$	48 2-Hexanone-d5	63	12.035	12.041	(0.925)	685921	49.1012	98
	49 2-Hexanone	43	Compound Not Detected.					
	50 Dibromochloromethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 Chlorobenzene-d5	117	13.011	13.007	(1.000)	2092476	25.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethylbenzene	91	Compound Not Detected.					
	55 m,p-Xylene	106	Compound Not Detected.					
	56 o-Xylene	106	Compound Not Detected.					
	57 Styrene	104	Compound Not Detected.					
	58 Bromoform	172	Compound Not Detected.					
	59 Isopropylbenzene	105	Compound Not Detected.					
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.537	14.544	(1.117)	1756074	23.5794	47
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)	
	62 1,3-Dichlorobenzene	146	Compound Not Detected.						
*	63 1,4-Dichlorobenzene-d4	152	15.739	15.746	(1.000)	1166290	25.0000		(Q)
	64 1,4-Dichlorobenzene	146	Compound Not Detected.						
$	65 1,2-Dichlorobenzene-d4	152	16.114	16.120	(1.024)	1076890	24.8375	50	
	66 1,2-Dichlorobenzene	146	Compound Not Detected.						
	67 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.						
	68 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
	69 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/N.i/Nsvr.p/nzaesoms.b/nzab03e.d
Lab Smp Id: VBLKNU Client Smp ID: VBLKNU
Inj Date : 19-JAN-2010 21:10
Operator : JP1 Inst ID: N.i
Smp Info :
Misc Info : VBLKNU,011910NU,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzaesoms.b/soms4.m
Meth Date : 25-Jan-2010 13:22 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 2 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 * X/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	9.346	4732384	25.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.823	7280371	38.4603696	77	0		0	32

Data File: /chem/N.i/Nsvr.p/nzaesoms.b/nzab03e.d

Date : 19-JAN-2010 21:10

Client ID: VBLKNU

Instrument: N.i

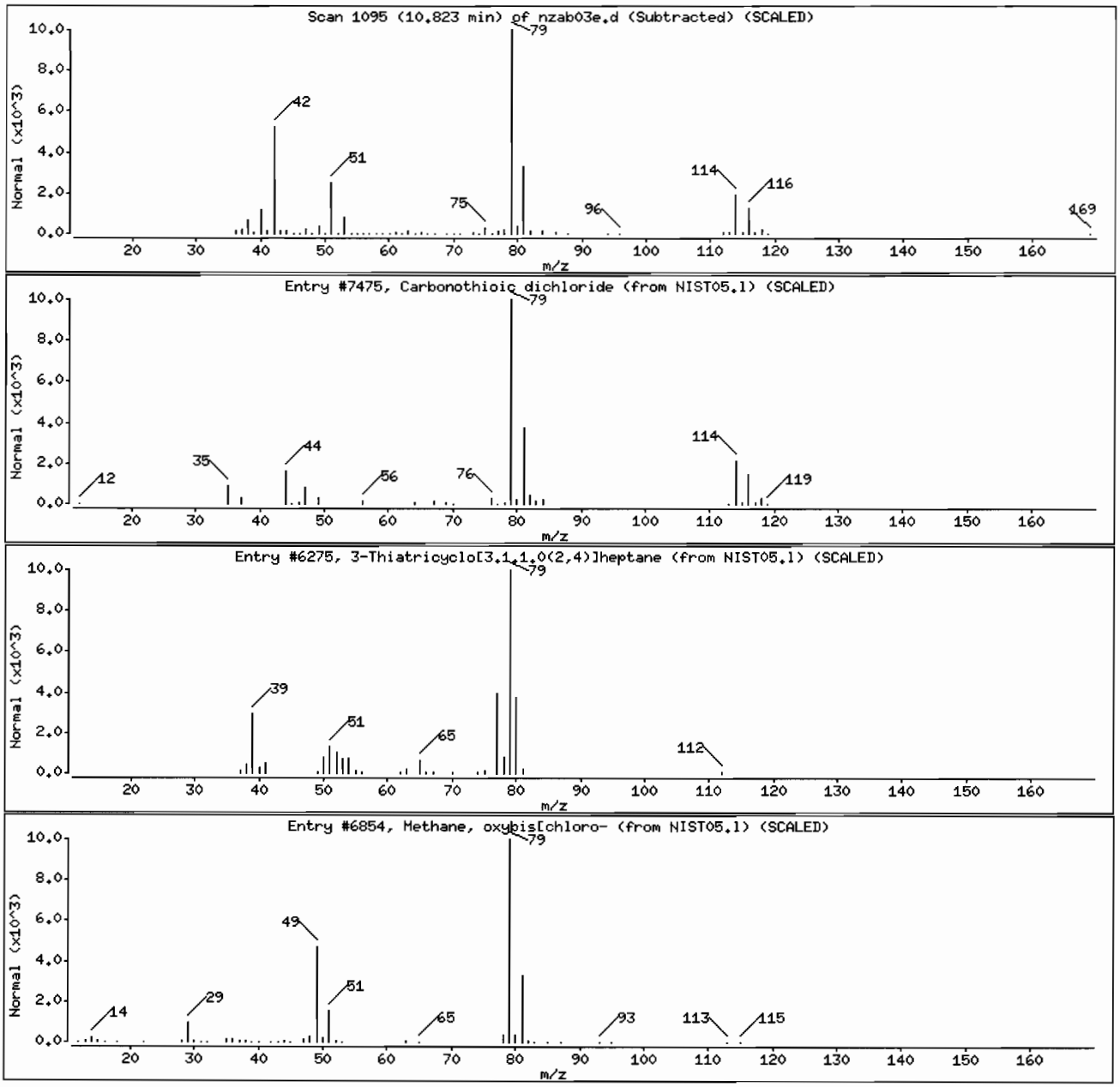
Sample Info:

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	47	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	23	C2H4Cl2O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VHBLK02

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817826

Sample wt/vol: 5.00 (g/mL) g Lab File ID: 817826

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VHBLK02

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817826

Sample wt/vol: 5.00 (g/mL) g Lab File ID: 817826

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VHBLK02

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 817826

Sample wt/vol: 5.00 (g/mL) g Lab File ID: 817826

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. 0.0 Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.83	77	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

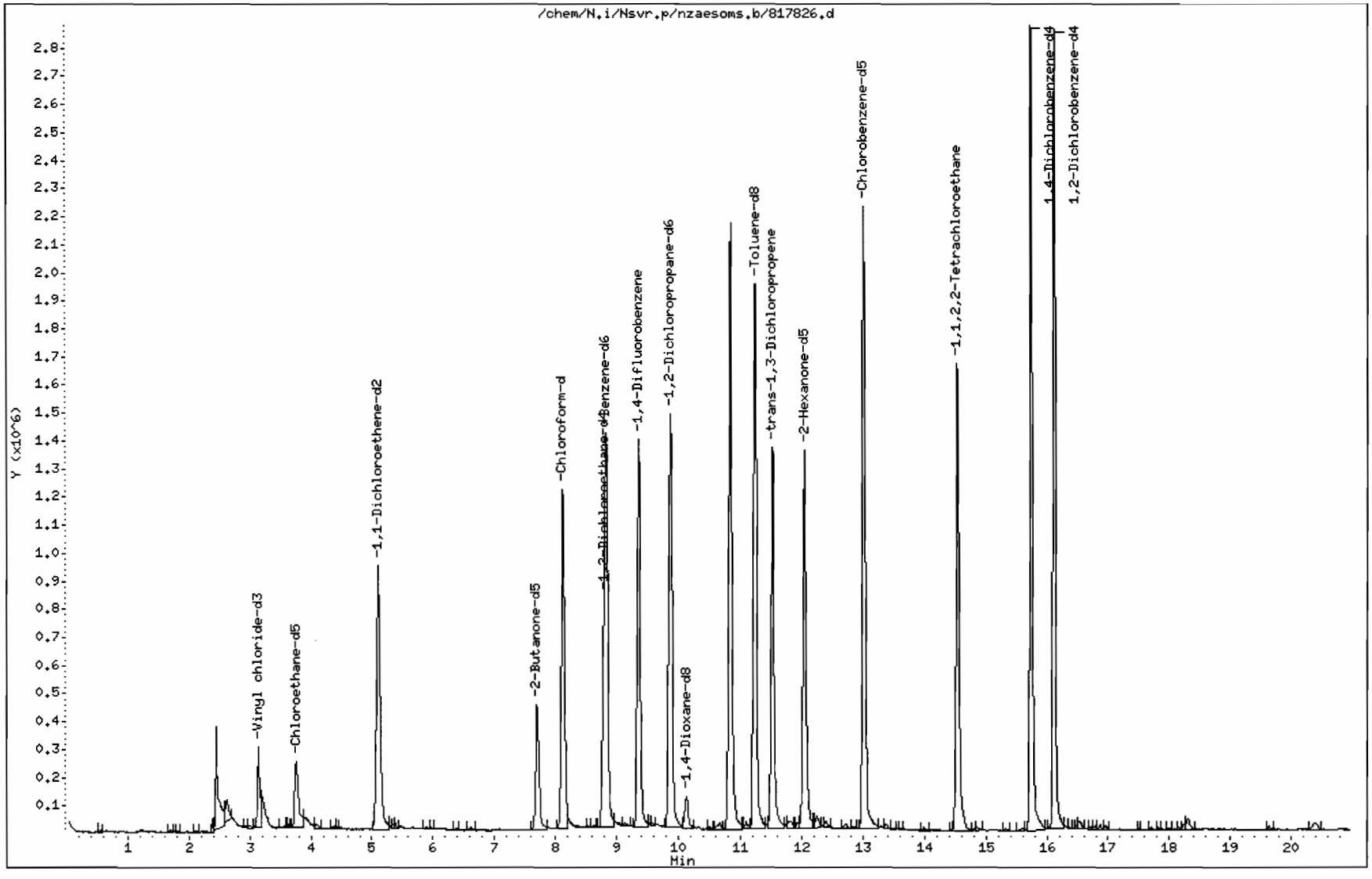
SOM01.2

Data File: /chem/N.i/Nsvr.p/nzaesoms.b/817826.d
Date : 19-JAN-2010 21:51
Client ID: VHBLK02
Sample Info: VHBLK02 :[ ] / / @ (SOIL)

Column phase: DB-624

Instrument: N.i

Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzaesoms.b/817826.d
Lab Smp Id: 817826 Client Smp ID: VHBLK02
Inj Date : 19-JAN-2010 21:51
Operator : JP1 Inst ID: N.i
Smp Info : VHBLK02 :[ ] / / @ (SOIL)
Misc Info : 817826,011910NU,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzaesoms.b/soms4.m
Meth Date : 25-Jan-2010 13:22 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	3.140	3.145	(0.336)	842232	24.7341	49
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	3.761	3.756	(0.402)	695126	24.9934	50
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	5.101	5.116	(0.545)	1576957	18.1023	36
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	Compound Not Detected.					
13	Carbon disulfide	76	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/kg)
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	Compound Not Detected.					
	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	7.691	7.707	(0.822)	1126896	72.5293	150
	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	8.115	8.121	(0.867)	1788642	24.2081	48 (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	8.785	8.790	(0.939)	787286	24.9653	50
$	29 Benzene-d6	84	8.834	8.830	(0.679)	2036123	24.3629	49
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	9.356	9.352	(1.000)	1863769	25.0000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.869	9.854	(0.758)	1359226	28.5607	57
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
$	37 1,4-Dioxane-d8	96	10.135	10.111	(1.083)	147961	531.293	1100
	38 1,4-Dioxane	88	Compound Not Detected.					
	39 Bromodichloromethane	83	Compound Not Detected.					
	40 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	41 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	42 Toluene-d8	98	11.238	11.224	(0.864)	2380190	24.7142	49
	43 Toluene	91	Compound Not Detected.					
$	44 trans-1,3-Dichloropropene-d4	79	11.514	11.510	(0.885)	1402967	25.2030	50
	45 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	46 1,1,2-Trichloroethane	97	Compound Not Detected.					
	47 Tetrachloroethene	164	Compound Not Detected.					
$	48 2-Hexanone-d5	63	12.036	12.041	(0.925)	965945	68.3719	140
	49 2-Hexanone	43	Compound Not Detected.					
	50 Dibromochloromethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 Chlorobenzene-d5	117	13.011	13.007	(1.000)	2116182	25.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethylbenzene	91	Compound Not Detected.					
	55 m,p-Xylene	106	Compound Not Detected.					
	56 o-Xylene	106	Compound Not Detected.					
	57 Styrene	104	Compound Not Detected.					
	58 Bromoform	172	Compound Not Detected.					
	59 Isopropylbenzene	105	Compound Not Detected.					
$	60 1,1,2,2-Tetrachloroethane-d2	84	14.529	14.544	(1.117)	1813251	24.0744	48
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/kg)	
62	1,3-Dichlorobenzene	146	Compound Not Detected.						
* 63	1,4-Dichlorobenzene-d4	152	15.740	15.746	(1.000)	1192897	25.0000		(Q)
64	1,4-Dichlorobenzene	146	Compound Not Detected.						
$ 65	1,2-Dichlorobenzene-d4	152	16.115	16.120	(1.024)	1098789	24.7773	50	
66	1,2-Dichlorobenzene	146	Compound Not Detected.						
67	1,2-Dibromo-3-chloropropane	75	Compound Not Detected.						
68	1,2,4-Trichlorobenzene	180	Compound Not Detected.						
69	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/N.i/Nsvr.p/nzaesoms.b/817826.d
Lab Smp Id: 817826 Client Smp ID: VHBLK02
Inj Date : 19-JAN-2010 21:51
Operator : JP1 Inst ID: N.i
Smp Info : VHBLK02 :[ ] / / @ (SOIL)
Misc Info : 817826,011910NU,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzaesoms.b/soms4.m
Meth Date : 25-Jan-2010 13:22 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	9.356	4776414	25.000

	CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.834	7359640	38.5207359	77	0		0	32

Data File: /chem/N.i/Nsvr.p/nzaesoms.b/817826.d

Date : 19-JAN-2010 21:51

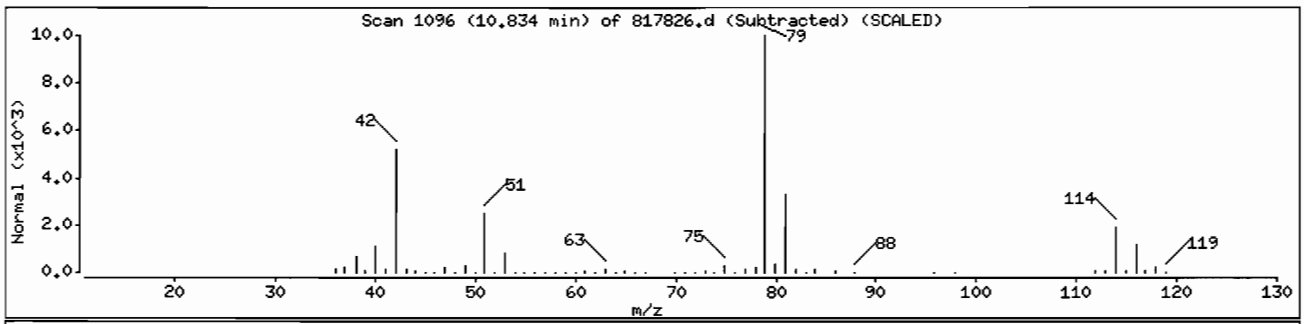
Client ID: VHBLK02 Instrument: N.i

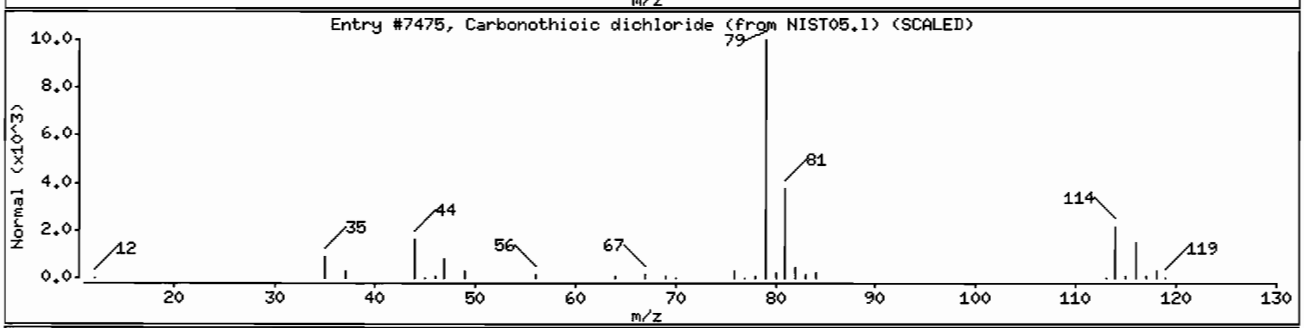
Sample Info: VHBLK02 :[ ] / / @ (SOIL)

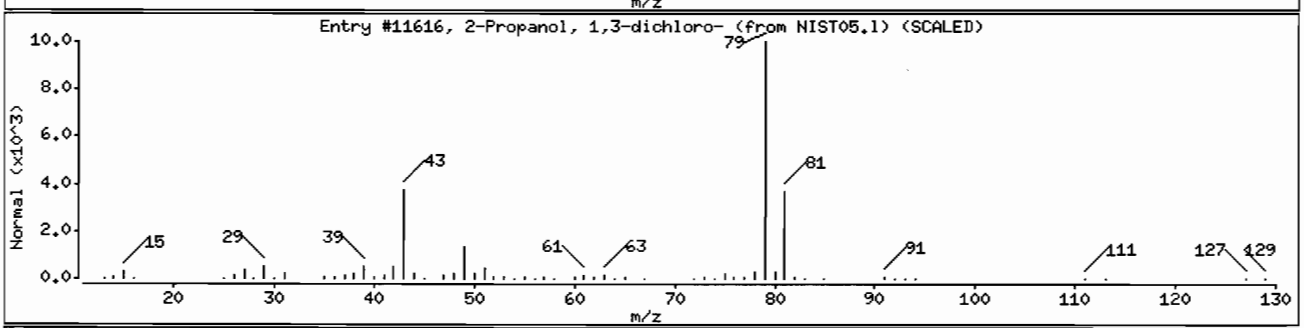
Operator: JP1

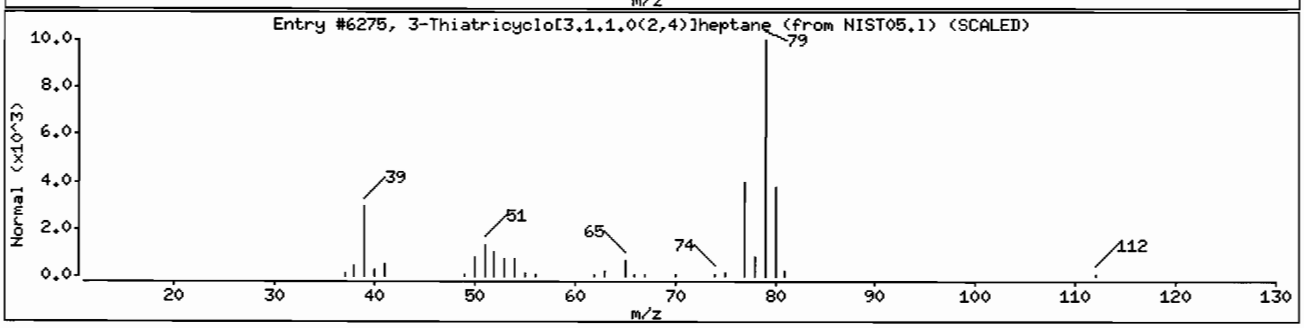
Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	50	CCl2S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	32	C3H6Cl2O	128
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112









Sample Preparation – SOM01.2 Volatiles

TestAmerica Burlington - Manual Integration Summary
SDG: 135484 Fraction: Volatile

Lab Sample ID	Client Sample ID	Sample Type	Inst.	Column	Analysis Date	Filename
	Peak RT	Compound			Manual Integration Flag	Analyst Date-Time	Sign-Off
VSTD025N0	VSTD025N0	INIT. CALIB.	N	DB-624	13-JAN-2010 18:00	NZA050V	JPD 01/25/10
	3.628	Bromomethane			MI1 - Poor automated baseline	jp1 01/14/10 09:58	
VSTD050N0	VSTD050N0	INIT. CALIB.	N	DB-624	13-JAN-2010 18:28	NZA100V	
	3.634	Bromomethane			MI1 - Poor automated baseline	jp1 01/14/10 09:59	
$	3.743	Chloroethane-d5			MI1 - Poor automated baseline	jp1 01/14/10 09:59	
	3.792	Chloroethane			MI1 - Poor automated baseline	jp1 01/14/10 10:00	
VSTD100N0	VSTD100N0	INIT. CALIB.	N	DB-624	13-JAN-2010 18:56	NZA200V	
$	3.737	Chloroethane-d5			MI1 - Poor automated baseline	jp1 01/14/10 10:01	
	3.776	Chloroethane			MI1 - Poor automated baseline	jp1 01/14/10 10:01	
VSTD025NT	VSTD025NT	CONT. CALIB.	N	DB-624	19-JAN-2010 09:02	NZA50DV	MTP 1/25/10
	3.647	Bromomethane			MI1 - Poor automated baseline	jp1 01/19/10 19:53	
VSTD025TN	VSTD025TN	CONT. CALIB.	N	DB-624	19-JAN-2010 17:49	NZA50DC1	
	3.637	Bromomethane			MI1 - Poor automated baseline	jp1 01/19/10 18:14	
VSTD025NU	VSTD025NU	CONT. CALIB.	N	DB-624	19-JAN-2010 20:14	NZA050EV	
	3.638	Bromomethane			MI1 - Poor automated baseline	jp1 01/19/10 20:37	
VSTD025UN	VSTD025UN	CONT. CALIB.	N	DB-624	20-JAN-2010 06:18	NZA50EC1	MW 1/25/10
	2.726	Dichlorodifluoromethane			MI1 - Poor automated baseline	mrv 01/20/10 07:16	
	3.642	Bromomethane			MI1 - Poor automated baseline	jd1 01/25/10 13:16	JPD 01/25/10

Summary Generated: jd1 01/25/2010 13:27 Secondary Review(1): CMP 1/25/10 Secondary Review(2): _____ Page 1

TestAmerica Burlington - Manual Integration Summary
SDG: nzasoms Fraction: Volatile

Lab Sample ID	Client Sample ID	Sample Type	Inst.	Column	Analysis Date	Filename
	Peak RT	Compound			Manual Integration Flag	Analyst Date-Time	Sign-Off
VSTD025N0	VSTD025N0	INIT. CALIB.	N	DB-624	13-JAN-2010 18:00	NZA050V
	3.628	Bromomethane			MI1 - Poor automated baseline	jp1 01/14/10 09:58	jp1 01/15/10
VSTD050N0	VSTD050N0	INIT. CALIB.	N	DB-624	13-JAN-2010 18:28	NZA100V	
	3.634	Bromomethane			MI1 - Poor automated baseline	jp1 01/14/10 09:59	
$	3.743	Chloroethane-d5			MI1 - Poor automated baseline	jp1 01/14/10 09:59	
	3.792	Chloroethane			MI1 - Poor automated baseline	jp1 01/14/10 10:00	
VSTD100N0	VSTD100N0	INIT. CALIB.	N	DB-624	13-JAN-2010 18:56	NZA200V	
$	3.737	Chloroethane-d5			MI1 - Poor automated baseline	jp1 01/14/10 10:01	
	3.776	Chloroethane			MI1 - Poor automated baseline	jp1 01/14/10 10:01	✓

Summary Generated: cmp 01/15/2010 13:31 Secondary Review(1): CMP | 01/15/10 Secondary Review(2): _____ | _____ Page 1

[redacted]

GC/MS VOA INSTRUMENT RUN LOG

Sequence: 1/13/10 NZASOMS Low Level	Standard Traceability	Instrument Information	Instrument Performance Checks
Batch ID: NXRSOMS	BFB Lot#: MV1210090I	Instrument: HP5971 Instrument ID: N	39K Tune STD ☐ RF Summary
Test Method: SOM Routine Soil 1/13/10	ISTD Lot #: MV0113i001	Column Type: Capillary	☐ Internal Standard Response
ICAL Date: 01/13/10	Surrogate Lot #: ~~MV1239~~ MV1222090I	Purge Volume: ☐ 5 mL ☑ 10 mL ☐ 25 mL	☐ RT & Ratios Updated
Start Date: 01/13/10 Time: 1606	CAL STD Lot #: 1/13/10 MV1222090Z, MV0113i002		☐ Batch MS/MSD was not performed due to insufficient sample volume
End Date: 01/13/10 Time: 0406	LCS/MS Lot #:		

Sequence Information						Individual Sample Review				Comments
Injection Time	Lab ID/ NZA File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	
1606	~~NXR01PV~~	BFB NO	NA		JP1	NA		✓	JP1	
1636	NZAB01	BLANK				NA	✓	✓		
1704	NZA005V	VSTD005 NO				✓	✓	✓		
1732	NZA010V	VSTD010 NO				✓	✓	✓		
1800	NZA050V	VSTD050 NO				✓	✓	✓		
1828	NZA100V	VSTD100 NO				✓	✓	✓		
1856	NZA200V	VSTD200 NO				✓	✓	✓		
1924	NZAB02	BLANK				✓	✓	✓		
1952	NZAB03	VBLK NO				✓	✓	✓		
2021	JONIDOC1	IDOC 1	NA		JP1		✓			
2049	JONIDOC2	2					✓			
2117	JONIDOC3	3					✓			
2145	JONIDOC4	4					✓			
2213	NZA050C1	VSTD050 ON					✓			
2241	NZA050C2	VSTD050 ON					✓			

JP1 01/14/10

Legend: C=Complete ▪ R=Reanalyze ▪ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS VOA INSTRUMENT RUN LOG

Sequence		Standard Traceability		Instrument Information		Instrument Performance Checks
Batch ID:	NZAESOMS	BFB Lot#	MV12100901	Instrument: HP5971	Instrument ID: N	53K Tune STD ☐ RF Summary
Test Method:	Som Low Level Soil	ISTD Lot #:	MV0113001	Column Type: Capillary		☐ Internal Standard Response
ICAL Date:	01/13/10	Surrogate Lot #	MV0118001	Purge Volume:	☐ 5 mL ☑ 10 mL ☐ 25 mL	☐ RT & Ratios Updated
Start Date:	01/19/10 Time: 1922	CAL STD Lot #	MV12220902 MV0113002			☐ Batch MS/MSD was not performed due to insufficient sample volume
End Date:	01/20/10 Time: 0722	LCS/MS Lot #	MV12220903			

Sequence Information						Individual Sample Review				Comments
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	
1922	NZA08PV	BFB NV	NA		JPI	NA			JPI	
1946	NZAB01E	BLANK								
2014	NZA050EV	VSTD050NV								
2042	NZAB02E	BLANK								
2110	NZAB03E	VBLKNV								
2151	817816	135484	A1	5.0						
2219	817379	135435	W1	3.21						
2247	817383			5.1					MRV	R
2315	817384			3.75						R
2344	817385			4.91						
0012	817387			5.41						
0040	817389			4.71						
0108	817391			4.28						
0136	817392			5.24						
0204	817393			5.44						
0232	817382			4.06						IS failure confirms
0301	817382M			~~4.44~~ 3.02		3↑				
0329	817382S			4.41		4↑				
0357	817264I2	135414	W2	3.5						
0425	817269I2			4.23						
0453	817381	135435	W1	6.31						R
0522	NZAB04E	BLANK	NA							
0550	NZAB05E	BLANK								
0618	NZA50EC1	VSTD050VN							MRV	good for closing
0646	NZA50EC2	VSTD050VN								

Legend: C=Complete ▪ R=Reanalyze ▪ = High ▪ ↓= Low ▪ ✓=Reviewed and Accept

GC/MS VOA INSTRUMENT RUN LOG

Sequence	Standard Traceability	Instrument Information	Instrument Performance Checks
Batch ID: NZADSOMS	BFB Lot# MW112009 01	Instrument: HP5971 Instrument ID: N	50K Tune STD ☑ RF Summary
Test Method: SOM S&I	ISTD Lot #: MW011310 01	Column Type: Capillary	☐ Internal Standard Response
ICAL Date: 01/13/10	Surrogate Lot # MW011810 01	Purge Volume: ☐ 5 mL ☑ 10 mL ☐ 25 mL	☑ RT & Ratios Updated
Start Date: 1/19/10 Time: 0810	CAL STD Lot # MW122902, MW011310 02		☐ Batch MS/MSD was not performed due to insufficient sample volume
End Date: 1/19/10 Time: 2010	LCS/MS Lot # MW		

Sequence Information						Individual Sample Review				Comments
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	
0810	NZA048V	BFBNS	NA		MN	NA			MN	
0834	NZAB01D	BLANK	NA			NA				
0902	NZA50DV	VSTD50NT								
0930	NZAB02D	BLANK				NA				
0958	NZAB03D	VBLKNT								
1045	817811	135484	A1	5.14 g						C
1113	817812		A1	4.57 g						C
1141	817813			5.19 g		2↑				C
1209	817814			5.60 g		1↑				C
1238	817815			4.86 g						C
1306	817816			5.03 g		1↑			JPI	C
1334	817262	135414	W1	4.97 g						C
1402	817264			3.86 g		5↑	2↓			R
1431	817268			5.45 g						C
1459	817269			4.99 g		4↑	1↓			R
1527	817227I2	135413	W2	4.48 g		9↑	3↓			C
1556	817230		W1	6.41 g		2↑				C
1624	817241I2		W2	5.80 g		2↑	2↓			C
1652	817242I2			4.97 g		6↑	2↓			C
1721	NZAB04B	BLANK	NA		JPI					
1749	NZA50DC1	VSTD050TN								good for closing not needed
1817	NZA50DC2	VSTD050TN								

JPI 01/19/10

Legend: C=Complete ▪ R=Reanalyze ▪ ↑= High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

VOLATILE SOIL PRESERVATION LOG

ETR: 135484 SDG: 135484

Client Code: PANTEC

Date: 1-16-10 Start Time: 1304 End Time: 1430

Analyst: J.J. Time Placed into Frozen Storage: 1409

Test Method: SOM01.2 - VOA + ANS

Container Traceability:

Water Lot # 01120014 TA Burlington VOA Free DI

$NaHSO_4$ Lot #

MeOH (5) Lot # 01222015

MeOH (10) Lot #

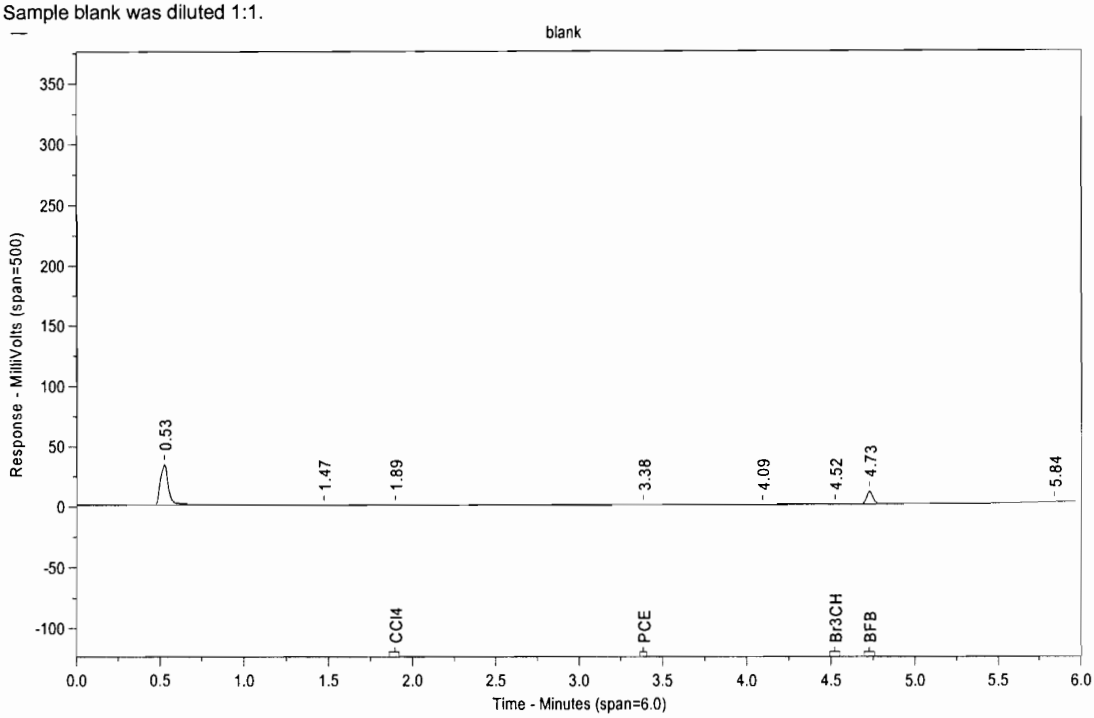
MS/MSD Spike Lot #

LAB ID	Bottle Code	Field Preserved Y	Field Preserved N	Preservation[1] Water	Preservation[1] $NaHSO_4$	Preservation[1] MeOH (10)	Preservation[1] MeOH (5)	MS/MSD Spike	Sample WT Determination (g) Tare WT	Sample WT Determination (g) Final WT	Sample WT Determination (g) Sample WT	Comments
817811	A1		N	✓					30.64	35.78	5.14	✓
"	A2		"	✓					30.53	35.96	5.43	
"	A3		"				✓		29.42	34.76	5.34	
817812	A1		"	✓					30.53	35.10	4.57	✓
"	A2		"	✓					30.60	36.19	5.59	
"	A3		"				✓		29.29	34.22	4.93	
817813	A1		"	✓					30.58	35.77	5.19	✓
"	A2		"	✓					30.68	35.82	5.14	
"	A3		"				✓		29.12	34.20	5.08	
817814	A1		"	✓					30.63	36.23	5.60	✓
"	A2		"	✓					30.52	35.45	4.93	
"	A3		"				✓		29.21	34.34	5.13	
817815	A1		"	✓					30.42	35.28	4.86	✓
"	A2		"	✓					30.45	34.79	4.34	
"	A3		"				✓		29.17	33.80	4.63	
817816	A1		"	✓					30.48	35.51	5.03	✓
"	A2		"	✓					30.65	36.03	5.38	
"	A3		"				✓		29.39	34.62	5.23	
817826	A1		"	✓					30.47	—	—	Holding Blank
"	A2		"	✓					30.64	—	—	"
"	A3		"				✓		29.34	—	—	"

[1] Water = 5 mL $NaHSO_4$ = 1g MeOH (5) = 5 mL MeOH (10) = 10 mL

Sample Name: blank

Data File: C:\CPSpirit5\Data2\VoaE011610.0001.RAW
Acquired from Instrument 1 on 1/16/10 3:28:55 PM by
Sample blank was diluted 1:1.

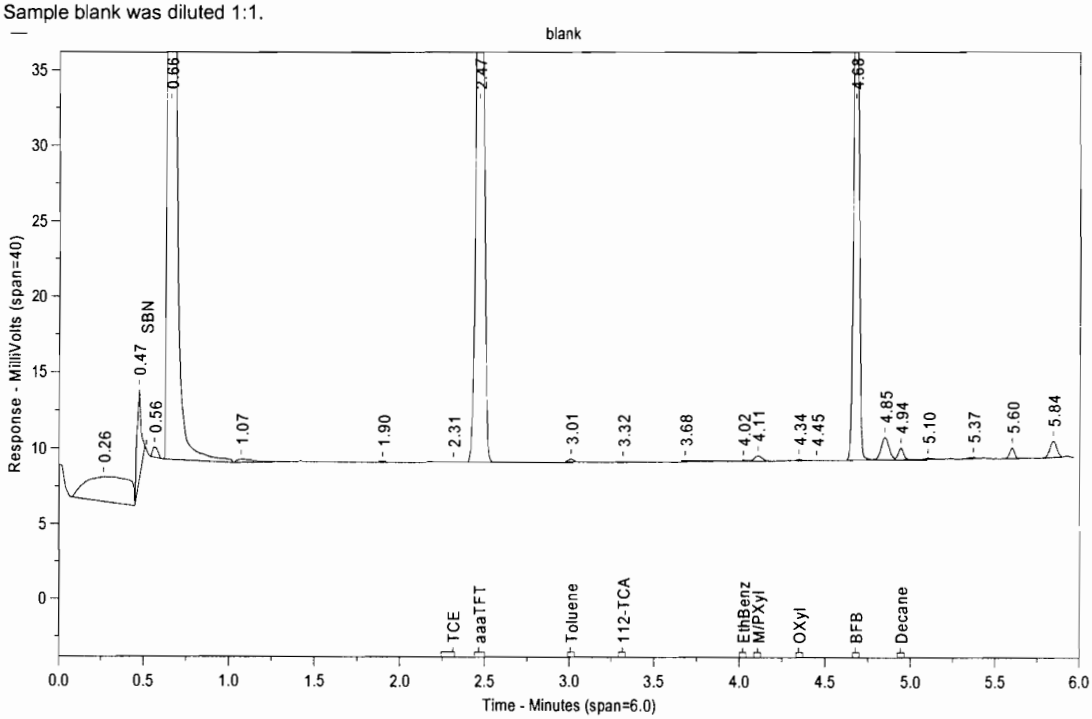


RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	33790.99	4.09		0	16.30
1.47		0	54.31	4.52	Br3CH	0	26.46
1.89	CCl4	0	61.28	4.73	BFB	567	10655.97
3.38	PCE	0	14.83	5.84		0	179.10

Surrogate BFB recovery is 141.8%

Sample Name: blank

Data File: C:\CPSpirit5\Data2\VoaF011610.0001.RAW
Acquired from Instrument 1 on 1/16/10 3:28:55 PM by
Sample blank was diluted 1:1.

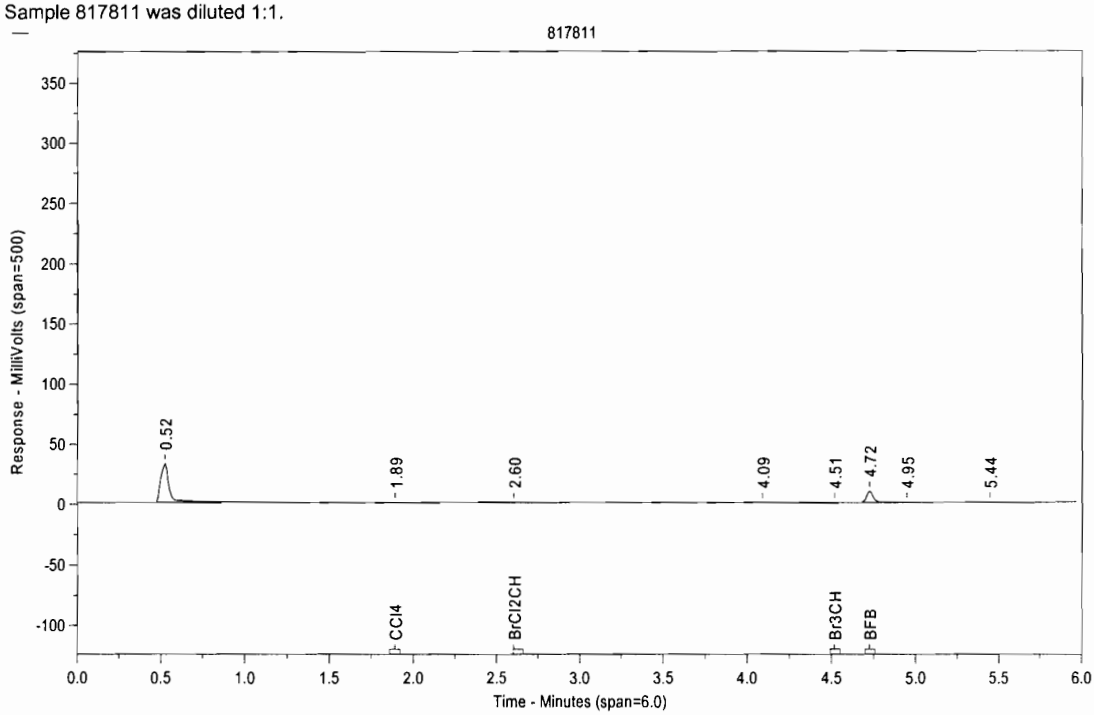


RT	Name	Amount	Height	RT	Name	Amount	Height
0.26		0	1640.51	4.02	EthBenz	0	70.88
0.47		0	5966.58	4.11	M/PXyl	0	348.24
0.56		0	681.84	4.34	OXyl	0	84.66
0.66		0	625850.31	4.45		0	40.34
1.07		0	207.40	4.68	BFB	430	44989.34
1.90		0	76.07	4.85		0	1497.48
2.31	TCE	0	56.36	4.94	Decane	2	779.79
2.47	aaaTFT	416	51917.19	5.10		0	86.11
3.01	Toluene	1	218.05	5.37		0	95.77
3.32	112-TCA	0	79.63	5.60		0	701.54
3.68		0	97.58	5.84		0	1095.84

Surrogate aaaTFT recovery is 104.%
Surrogate BFB recovery is 107.4%

Sample Name: 817811

Data File: C:\CPSpirit5\Data2\VoaE011610.0002.RAW
Acquired from Instrument 1 on 1/16/10 3:40:06 PM by
Sample 817811 was diluted 1:1.

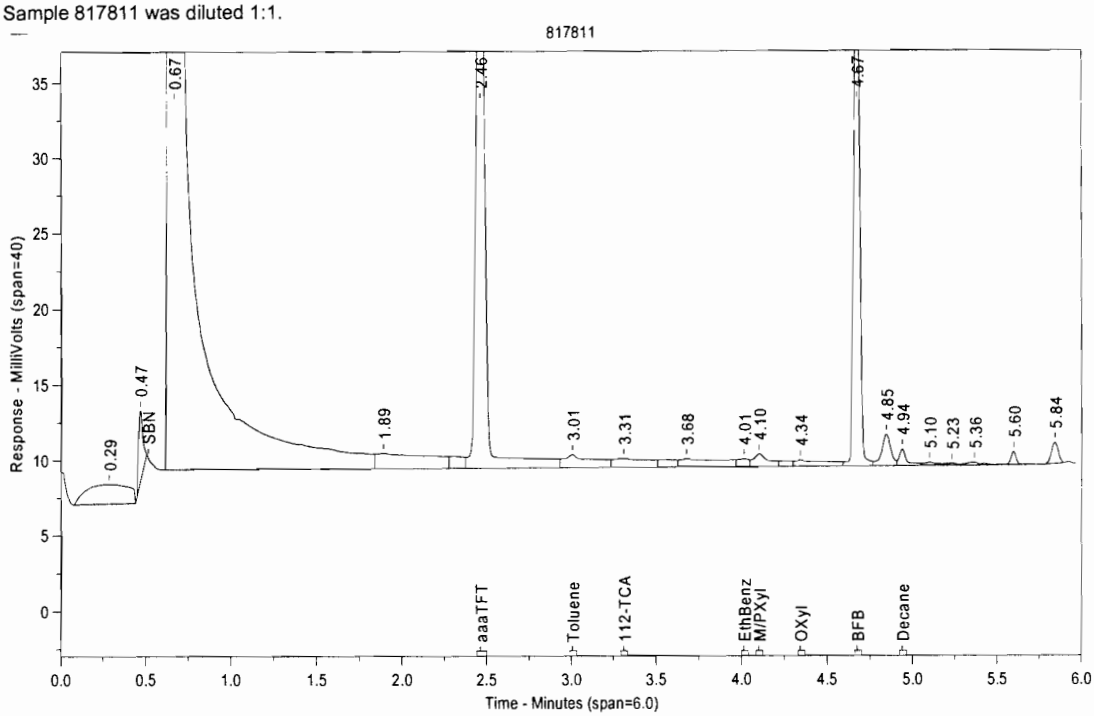


RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	32538.09	4.51	Br3CH	0	24.49
1.89	CCl4	0	66.62	4.72	BFB	490	9328.19
2.60	BrCl2CH	0	20.56	4.95		0	18.71
4.09		0	18.86	5.44		0	24.95

Surrogate BFB recovery is 122.4%

Sample Name: 817811

Data File: C:\CPSpirit5\Data2\VoaF011610.0002.RAW
Acquired from Instrument 1 on 1/16/10 3:40:06 PM by
Sample 817811 was diluted 1:1.

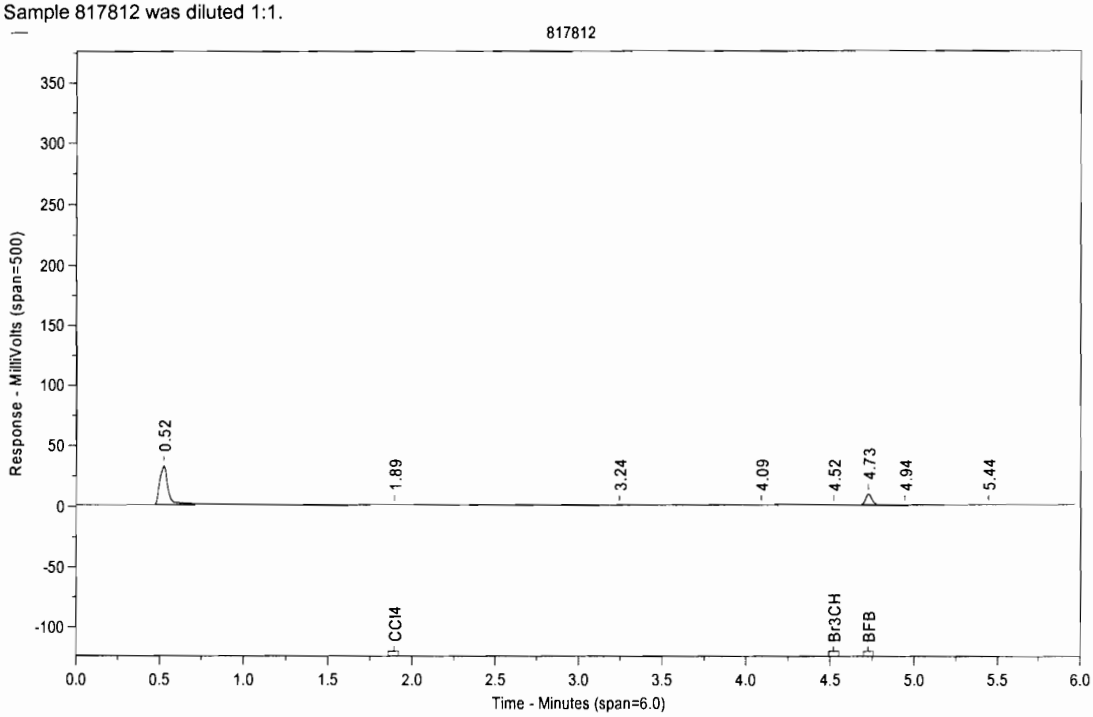


RT	Name	Amount	Height	RT	Name	Amount	Height
0.29		0	1307.79	4.34	OXyl	1	417.38
0.47		0	4744.57	4.67	BFB	445	46614.02
0.67		0	1001665.63	4.85		0	2109.92
1.89		0	1032.12	4.94	Decane	3	1123.66
2.46	aaaTFT	415	51754.35	5.10		0	203.66
3.01	Toluene	4	864.60	5.23		0	134.05
3.31	112-TCA	17	593.41	5.36		0	178.93
3.68		0	555.34	5.60		0	893.17
4.01	EthBenz	2	519.64	5.84		0	1433.54
4.10	M/PXyl	3	832.67				

Surrogate aaaTFT recovery is 103.7%
Surrogate BFB recovery is 111.3%

Sample Name: 817812

Data File: C:\CPSpirit5\Data2\VoaE011610.0003.RAW
Acquired from Instrument 1 on 1/16/10 3:51:23 PM by
Sample 817812 was diluted 1:1.

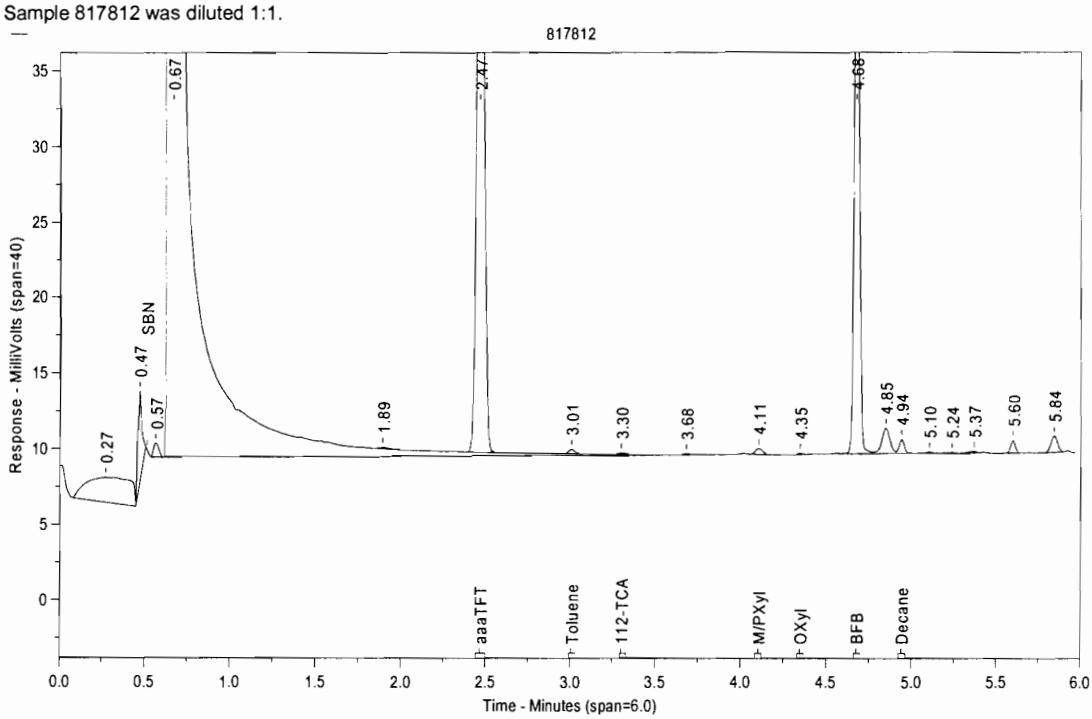


RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	31995.23	4.52	Br3CH	0	23.24
1.89	CCl4	0	67.38	4.73	BFB	474	9054.87
3.24		0	12.31	4.94		0	19.26
4.09		0	20.89	5.44		0	23.34

Surrogate BFB recovery is 118.4%

Sample Name: 817812

Data File: C:\CPSpirit5\Data2\VoaF011610.0003.RAW
Acquired from Instrument 1 on 1/16/10 3:51:23 PM by
Sample 817812 was diluted 1:1.

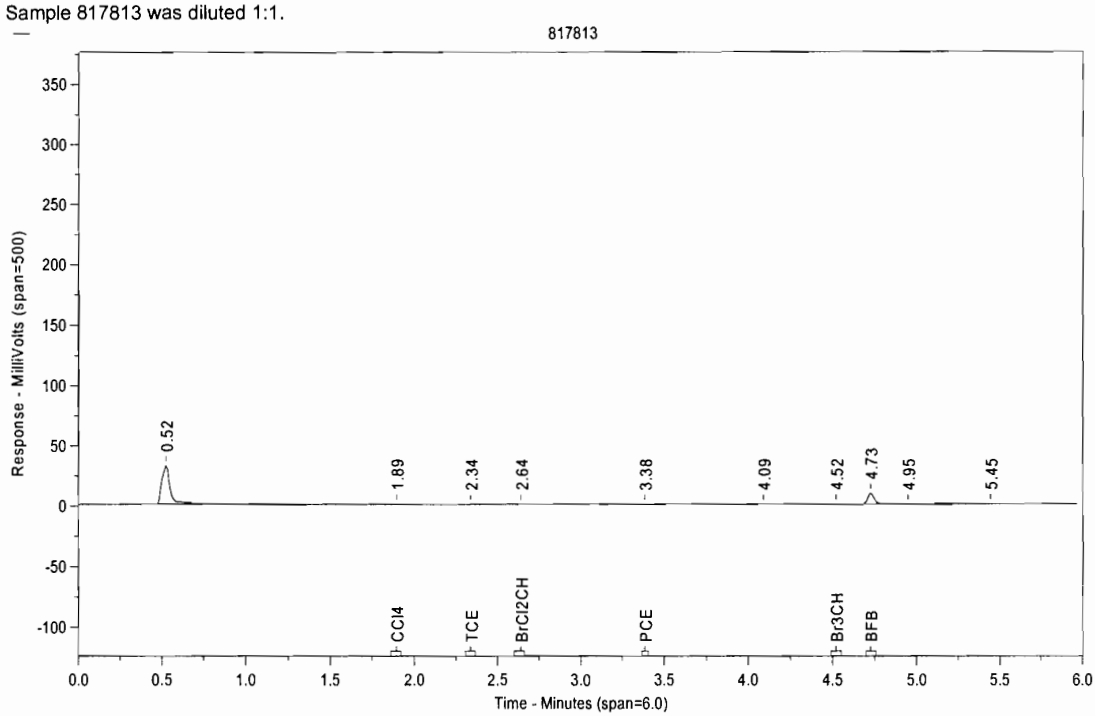


RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1636.48	4.35	OXyl	0	107.57
0.47		0	5926.96	4.68	BFB	427	44688.53
0.57		0	921.75	4.85		0	1681.72
0.67		0	978466.25	4.94	Decane	3	926.95
1.89		0	82.92	5.10		0	82.07
2.47	aaaTFT	412	51461.37	5.24		0	68.76
3.01	Toluene	1	291.80	5.37		0	99.50
3.30	112-TCA	1	91.74	5.60		0	822.27
3.68		0	88.57	5.84		0	1069.49
4.11	M/PXyl	1	391.23				

Surrogate aaaTFT recovery is 103.1%
Surrogate BFB recovery is 106.7%

Sample Name: 817813

Data File: C:\CPSpirit5\Data2\VoaE011610.0004.RAW
Acquired from Instrument 1 on 1/16/10 4:02:41 PM by
Sample 817813 was diluted 1:1.

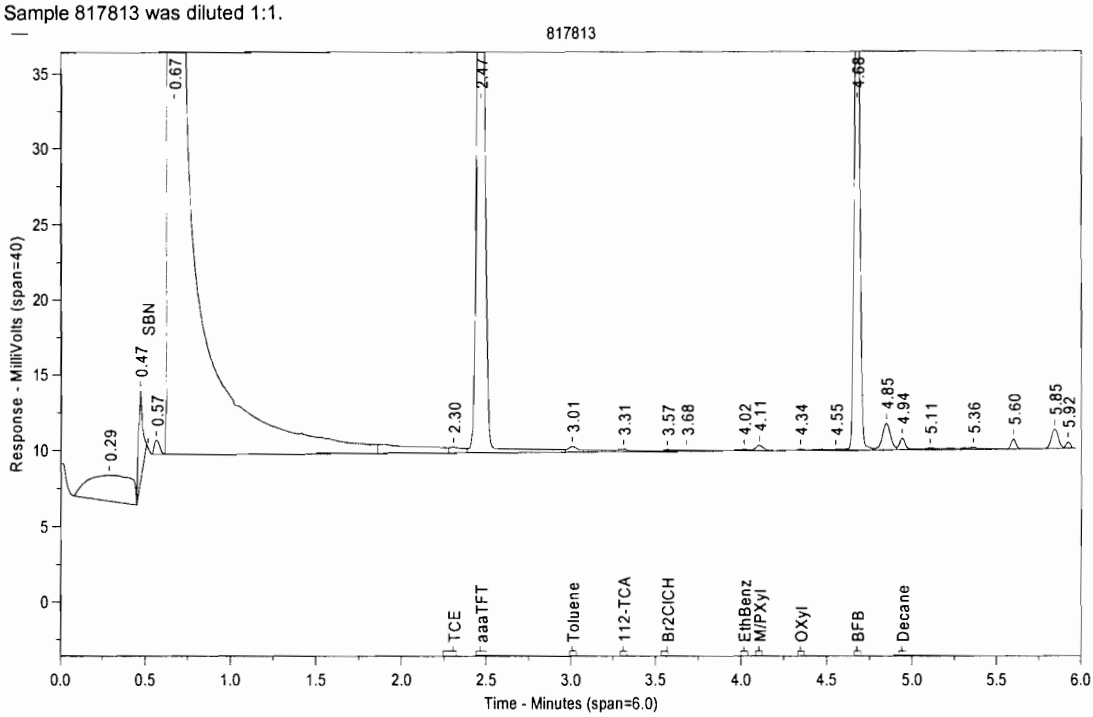


RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	31935.48	4.09		0	18.30
1.89	CCl4	0	86.91	4.52	Br3CH	0	25.59
2.34	TCE	0	47.90	4.73	BFB	465	8911.05
2.64	BrCl2CH	0	20.08	4.95		0	18.37
3.38	PCE	0	44.65	5.45		0	23.76

Surrogate BFB recovery is 116.3%

Sample Name: 817813

Data File: C:\CPSpirit5\Data2\VoaF011610.0004.RAW
Acquired from Instrument 1 on 1/16/10 4:02:41 PM by
Sample 817813 was diluted 1:1.

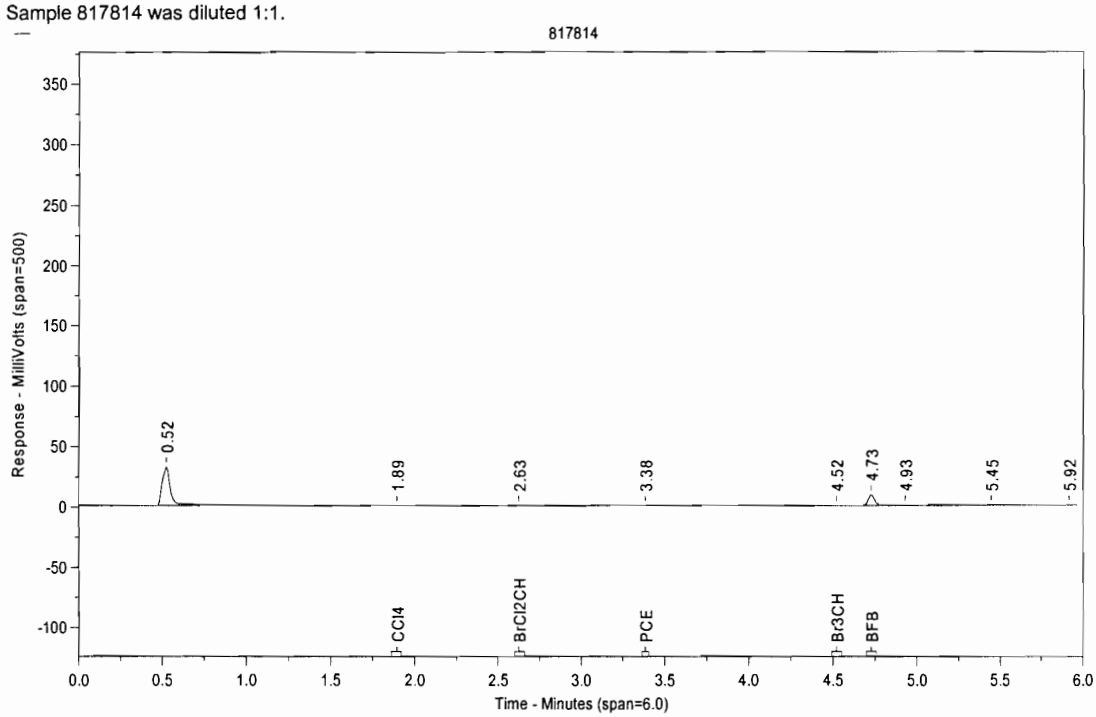


RT	Name	Amount	Height	RT	Name	Amount	Height
0.29		0	1683.96	4.11	M/PXyl	1	362.63
0.47		0	5837.69	4.34	OXyl	0	96.37
0.57		0	946.39	4.55		0	69.24
0.67		0	981583.63	4.68	BFB	419	43861.14
2.30	TCE	7	381.04	4.85		0	1791.74
2.47	aaaTFT	412	51422.64	4.94	Decane	2	799.76
3.01	Toluene	2	381.53	5.11		0	116.64
3.31	112-TCA	3	159.52	5.36		0	128.86
3.57	Br2ClCH	10	105.23	5.60		0	683.92
3.68		0	113.49	5.85		0	1295.98
4.02	EthBenz	0	118.16	5.92		0	416.76

Surrogate aaaTFT recovery is 103.%
Surrogate BFB recovery is 104.7%

Sample Name: 817814

Data File: C:\CPSpirit5\Data2\VoaE011610.0005.RAW
Acquired from Instrument 1 on 1/16/10 4:14:11 PM by
Sample 817814 was diluted 1:1.

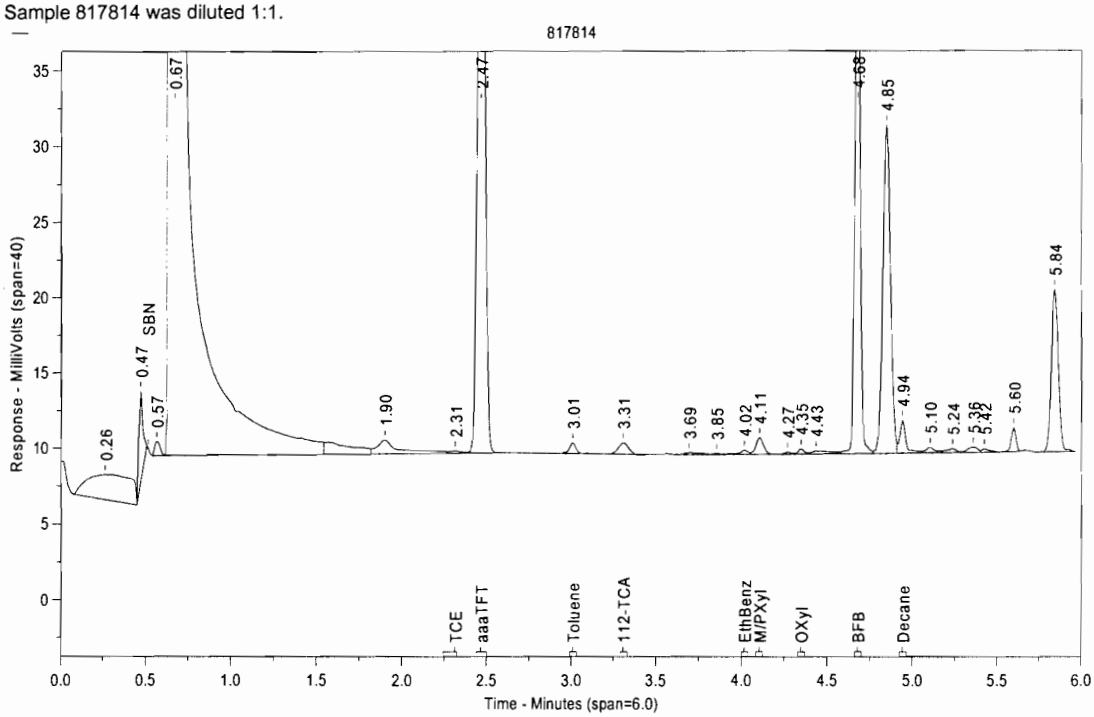


RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	31747.70	4.73	BFB	449	8624.03
1.89	CCl4	0	60.05	4.93		0	72.67
2.63	BrCl2CH	0	27.39	5.45		0	23.13
3.38	PCE	0	38.38	5.92		0	50.34
4.52	Br3CH	0	23.87				

Surrogate BFB recovery is 112.2%

Sample Name: 817814

Data File: C:\CPSpirit5\Data2\VoaF011610.0005.RAW
Acquired from Instrument 1 on 1/16/10 4:14:11 PM by
Sample 817814 was diluted 1:1.

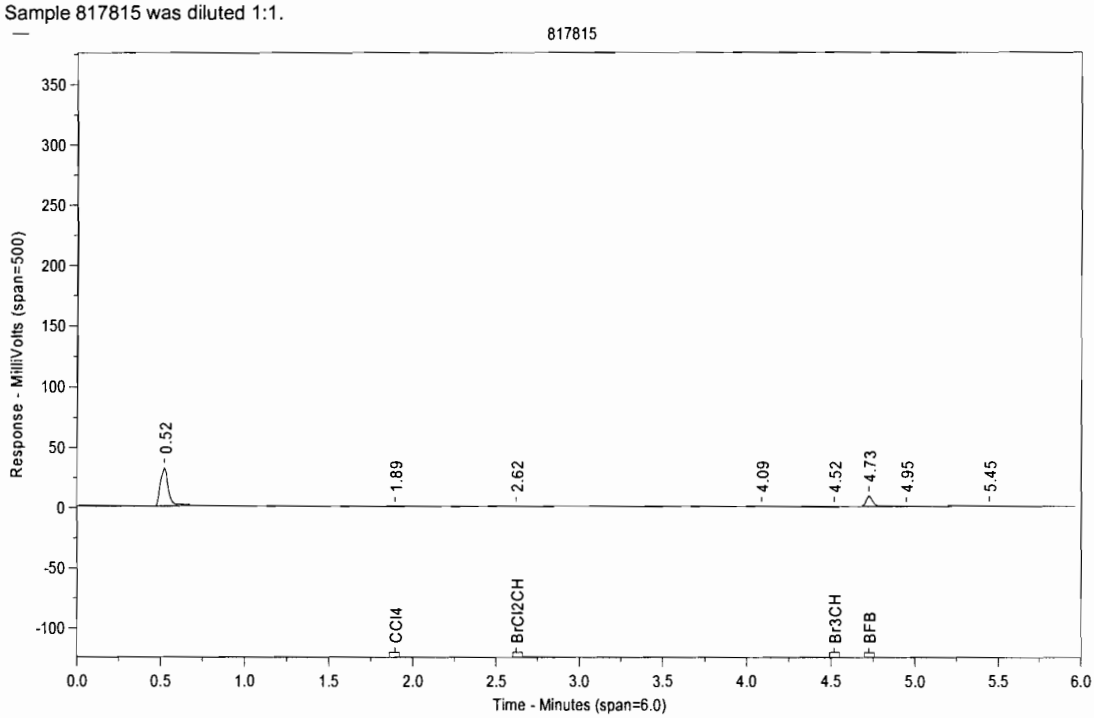


RT	Name	Amount	Height	RT	Name	Amount	Height
0.26		0	1651.32	4.27		0	130.61
0.47		0	5876.46	4.35	OXyl	1	347.13
0.57		0	951.40	4.43		0	207.64
0.67		0	976481.81	4.68	BFB	403	42253.78
1.90		0	921.36	4.85		0	21778.84
2.31	TCE	2	161.75	4.94	Decane	7	2156.90
2.47	aaaTFT	412	51402.29	5.10		0	366.59
3.01	Toluene	3	717.17	5.24		0	263.67
3.31	112-TCA	23	767.54	5.36		0	358.51
3.69		0	129.21	5.42		0	240.09
3.85		0	76.61	5.60		0	1582.39
4.02	EthBenz	1	285.30	5.84		0	10872.14
4.11	M/PXyl	4	1115.36				

Surrogate aaaTFT recovery is 103.%
Surrogate BFB recovery is 100.9%

Sample Name: 817815

Data File: C:\CPSpirit5\Data2\VoaE011610.0006.RAW
Acquired from Instrument 1 on 1/16/10 4:25:36 PM by
Sample 817815 was diluted 1:1.

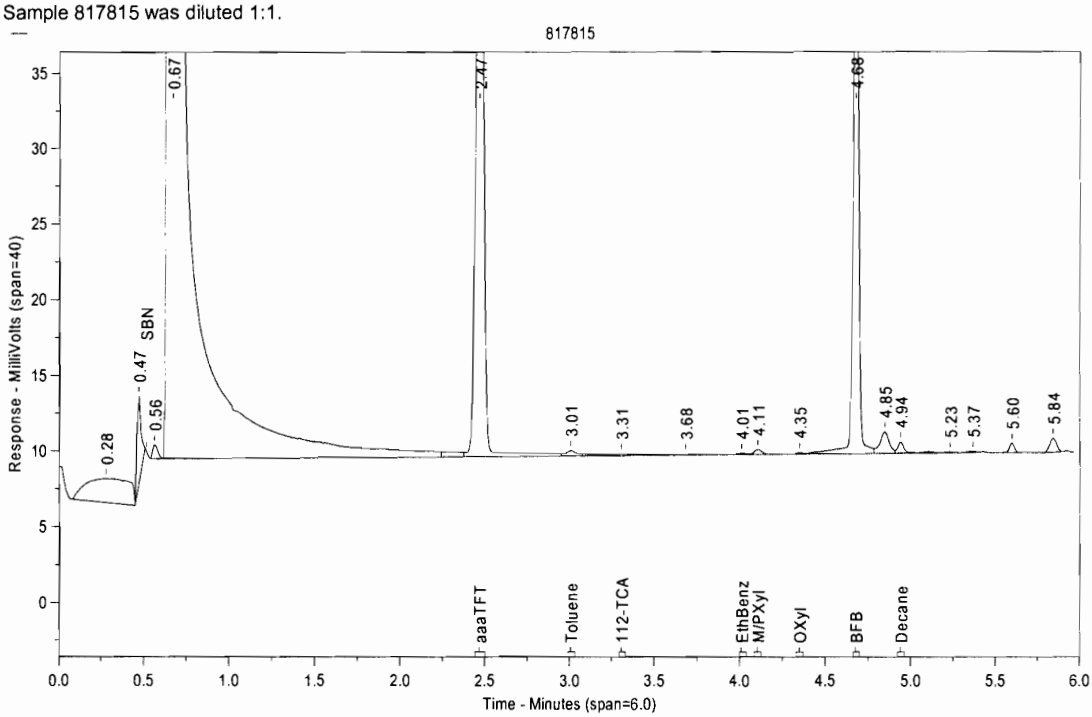


RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	31829.48	4.52	Br3CH	0	22.79
1.89	CCl4	0	58.85	4.73	BFB	444	8537.21
2.62	BrCl2CH	0	23.42	4.95		0	17.98
4.09		0	19.09	5.45		0	22.53

Surrogate BFB recovery is 111.%

Sample Name: 817815

Data File: C:\CPSpirit5\Data2\VoaF011610.0006.RAW
Acquired from Instrument 1 on 1/16/10 4:25:36 PM by
Sample 817815 was diluted 1:1.

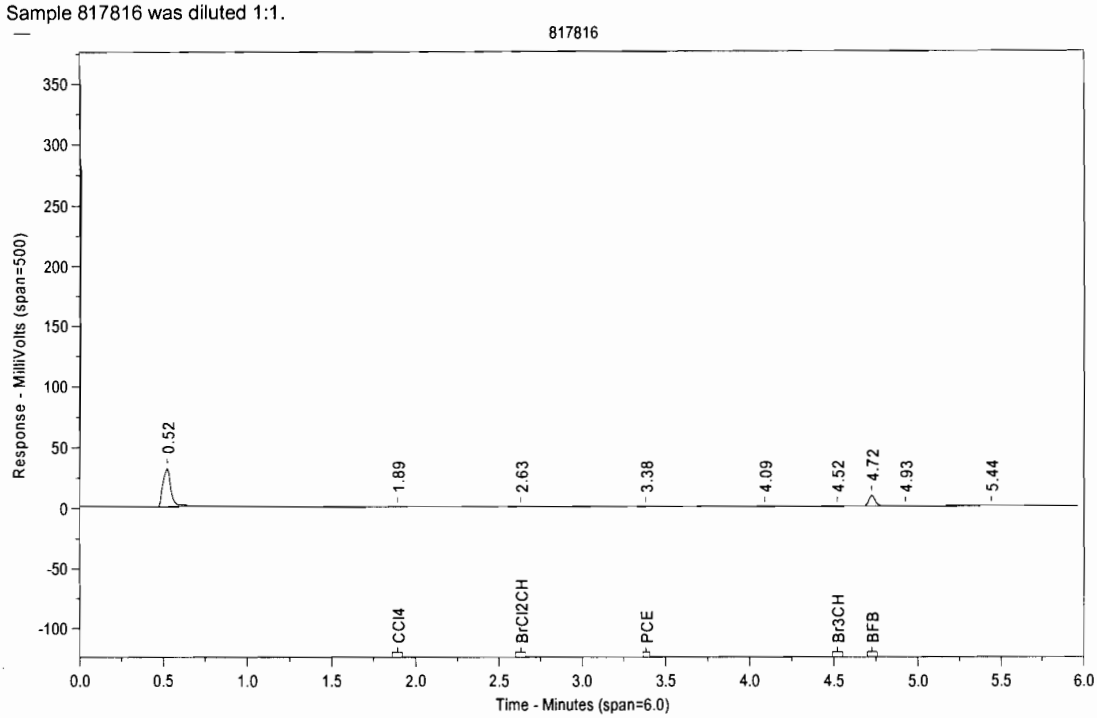


RT	Name	Amount	Height	RT	Name	Amount	Height
0.28		0	1571.29	4.11	M/PXyl	0	322.18
0.47		0	5656.28	4.35	OXyl	0	91.45
0.56		0	894.43	4.68	BFB	419	43922.80
0.67		0	978421.44	4.85		0	1427.68
2.47	aaaTFT	412	51411.38	4.94	Decane	2	746.19
3.01	Toluene	2	346.88	5.23		0	67.83
3.31	112-TCA	2	139.42	5.37		0	67.73
3.68		0	102.82	5.60		0	639.38
4.01	EthBenz	0	91.11	5.84		0	921.51

Surrogate aaaTFT recovery is 103.%
Surrogate BFB recovery is 104.8%

Sample Name: 817816

Data File: C:\CPSpirit5\Data2\VoaE011610.0007.RAW
Acquired from Instrument 1 on 1/16/10 4:36:57 PM by
Sample 817816 was diluted 1:1.

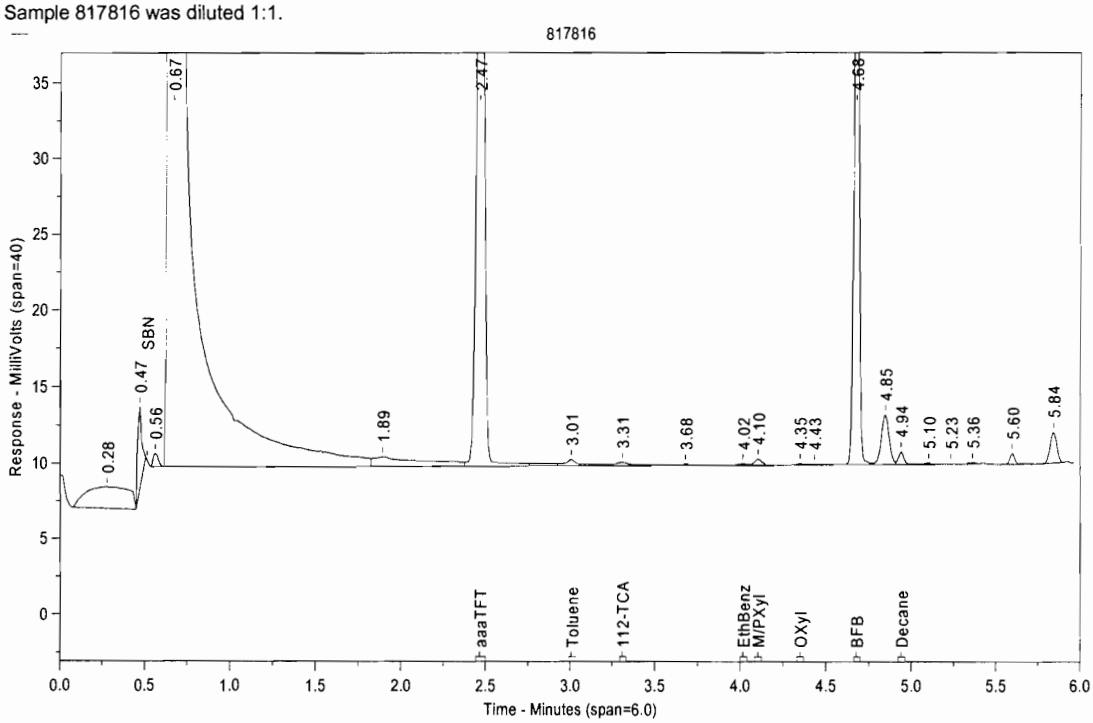


RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	31968.86	4.52	Br3CH	0	24.21
1.89	CCl4	0	59.79	4.72	BFB	472	9025.30
2.63	BrCl2CH	0	21.10	4.93		0	26.92
3.38	PCE	0	31.22	5.44		0	22.31
4.09		0	19.72				

Surrogate BFB recovery is 118.%

Sample Name: 817816

Data File: C:\CPSpirit5\Data2\VoaF011610.0007.RAW
Acquired from Instrument 1 on 1/16/10 4:36:57 PM by
Sample 817816 was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.28		0	1427.47	4.35	OXyl	0	94.02
0.47		0	5307.29	4.43		0	53.76
0.56		0	897.86	4.68	BFB	424	44360.96
0.67		0	986488.50	4.85		0	3255.05
1.89		0	641.68	4.94	Decane	2	824.92
2.47	aaaTFT	423	52808.89	5.10		0	91.93
3.01	Toluene	2	424.04	5.23		0	70.09
3.31	112-TCA	5	214.52	5.36		0	94.27
3.68		0	103.98	5.60		0	700.50
4.02	EthBenz	0	113.34	5.84		0	2011.51
4.10	M/PXyl	1	407.28				

Surrogate aaaTFT recovery is 105.8%
Surrogate BFB recovery is 105.9%

QC Summary – SOM01.2 Volatiles – Trace

2A - FORM II VOA-1
WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC1 (VCL)#	VDMC2 (CLA)#	VDMC3 (DCE)#	VDMC4 (BUT)#	VDMC5 (CLF)#	VDMC6 (DCA)#	VDMC7 (BEN)#
01	VBLKMD	97	100	85	108	102	99	101
02	FB100114	98	102	86	104	102	95	104
03	TB100114	96	101	85	106	102	95	102
04	FB100115	98	101	87	106	104	98	101
05	SB2GW200-201	88	93	78	95	94	90	91
06	SB2GW211-212	101	106	88	114	105	101	105
07	SB2GW221-222	105	107	90	112	108	101	103
08	VBLKMH	91	98	81	91	96	91	96
09	SB2GW193-194	95	101	84	93	98	88	99
10	SB2GW231-232	94	99	81	99	98	88	98
11	VBLKMI	96	100	85	108	102	96	99
12	VHBLK01	97	101	84	97	101	94	100
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

		QC LIMITS
VDMC1	(VCL) = Vinyl chloride-d3	(65-131)
VDMC2	(CLA) = Chloroethane-d5	(71-131)
VDMC3	(DCE) = 1,1-Dichloroethene-d2	(55-104)
VDMC4	(BUT) = 2-Butanone-d5	(49-155)
VDMC5	(CLF) = Chloroform-d	(78-121)
VDMC6	(DCA) = 1,2-Dichloroethane-d4	(78-129)
VDMC7	(BEN) = Benzene-d6	(77-124)

Column to be used to flag recovery values
* Values outside of contract required QC limits

2B - FORM II VOA-2
WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC8 (DPA)#	VDMC9 (TOL)#	VDMC10 (TDP)#	VDMC11 (HEX)#	VDMC12 (TCA)#	VDMC13 (DCZ)#	VDMC14 ( )#	TOT OUT
01	VBLKMD	94	101	102	105	102	100		0
02	FB100114	94	103	103	102	100	102		0
03	TB100114	92	100	101	102	99	98		0
04	FB100115	91	99	100	102	99	99		0
05	SB2GW200-201	84	91	91	96	92	90		0
06	SB2GW211-212	97	103	106	110	105	102		0
07	SB2GW221-222	94	103	103	108	105	105		0
08	VBLKMH	89	96	94	98	96	99		0
09	SB2GW193-194	91	99	97	98	94	104		0
10	SB2GW231-232	91	97	99	103	96	102		0
11	VBLKMI	92	98	98	103	101	98		0
12	VHBLK01	91	100	97	95	94	101		0
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

	QC LIMITS
VDMC8 (DPA) = 1,2-Dichloropropane-d6	(79-124)
VDMC9 (TOL) = Toluene-d8	(77-121)
VDMC10 (TDP) = trans-1,3-Dichloropropene-d4	(73-121)
VDMC11 (HEX) = 2-Hexanone-d5	(28-135)
VDMC12 (TCA) = 1,1,2,2-Tetrachloroethane-d2	(73-125)
VDMC13 (DCZ) = 1,2-Dichlorobenzene-d4	(80-131)

Column to be used to flag recovery values
* Values outside of contract required QC limits

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLKMD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Lab File ID: MAOB03A Lab Sample ID: VBLKMD

Instrument ID: M.i

Matrix: (SOIL/SED/WATER) Water Date Analyzed: 01/19/2010

Level: (TRACE or LOW/MED) TRACE Time Analyzed: 1037

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	FB100114	817820	817820	1609
02	TB100114	817821	817821	1640
03	FB100115	817824	817824	1712
04	SB2GW200-201	817818	817818	1744
05	SB2GW211-212	817819	817819	1815
06	SB2GW221-222	817822	817822	1847
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
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29				
30				

COMMENTS: _____

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLKMH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Lab File ID: MAOB04B Lab Sample ID: VBLKMH

Instrument ID: M.i

Matrix: (SOIL/SED/WATER) Water Date Analyzed: 01/21/2010

Level: (TRACE or LOW/MED) TRACE Time Analyzed: 1942

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SB2GW193-194	817817	817817	2041
02	SB2GW231-232	817823	817823	2113
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
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30				

COMMENTS: _____

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLKMI

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Lab File ID: MAOB03C Lab Sample ID: VBLKMI

Instrument ID: M.i

Matrix: (SOIL/SED/WATER) Water Date Analyzed: 01/22/2010

Level: (TRACE or LOW/MED) TRACE Time Analyzed: 1006

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLK01	817825	817825	1050
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
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COMMENTS:

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFBMC

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Lab File ID: MAO01PV BFB Injection Date: 01/18/2010

Instrument ID: M.i BFB Injection Time: 1038

GC Column: DB-624 ID: 0.53 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.0
75	30.0 - 80.0% of mass 95	46.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.1 (0.2)1
174	50.0 - 120.0% of mass 95	56.7
175	5.0 - 9.0% of mass 174	4.4 (7.8)1
176	95.0 - 101.0% of mass 174	54.5 (96.2)1
177	5.0 - 9.0% of mass 176	3.8 (7.0)2

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0.5MO	VSTD0.5MO	MAO005V	01/18/2010	1134
02	VSTD001MO	VSTD001MO	MAO01V	01/18/2010	1206
03	VSTD005MO	VSTD005MO	MAO05V	01/18/2010	1237
04	VSTD010MO	VSTD010MO	MAO10V	01/18/2010	1309
05	VSTD020MO	VSTD020MO	MAO20V	01/18/2010	1340
06					
07					
08					
09					
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11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFBMD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Lab File ID: MAO02PV BFB Injection Date: 01/19/2010

Instrument ID: M.i BFB Injection Time: 0834

GC Column: DB-624 ID: 0.53 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.1
75	30.0 - 80.0% of mass 95	45.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.3 (0.6)1
174	50.0 - 120.0% of mass 95	57.8
175	5.0 - 9.0% of mass 174	3.9 (6.8)1
176	95.0 - 101.0% of mass 174	55.6 (96.2)1
177	5.0 - 9.0% of mass 176	3.4 (6.1)2

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005MD	VSTD005MD	MAO05AV	01/19/2010	0934
02	VBLKMD	VBLKMD	MAOB03A	01/19/2010	1037
03	FB100114	817820	817820	01/19/2010	1609
04	TB100114	817821	817821	01/19/2010	1640
05	FB100115	817824	817824	01/19/2010	1712
06	SB2GW200-201	817818	817818	01/19/2010	1744
07	SB2GW211-212	817819	817819	01/19/2010	1815
08	SB2GW221-222	817822	817822	01/19/2010	1847
09	VSTD005DM	VSTD005DM	MAO05AC1	01/19/2010	1950
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFBMH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Lab File ID: MAO03PV BFB Injection Date: 01/21/2010

Instrument ID: M.i BFB Injection Time: 1709

GC Column: DB-624 ID: 0.53 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.3
75	30.0 - 80.0% of mass 95	46.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.6
173	Less than 2.0% of mass 174	0.3 (0.5)1
174	50.0 - 120.0% of mass 95	61.3
175	5.0 - 9.0% of mass 174	4.3 (7.0)1
176	95.0 - 101.0% of mass 174	58.9 (96.0)1
177	5.0 - 9.0% of mass 176	4.0 (6.8)2

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005MH	VSTD005MH	MAO005BV	01/21/2010	1839
02	VBLKMH	VBLKMH	MAOB04B	01/21/2010	1942
03	SB2GW193-194	817817	817817	01/21/2010	2041
04	SB2GW231-232	817823	817823	01/21/2010	2113
05	VSTD005HM	VSTD005HM	MAO05BC1	01/22/2010	0435
06					
07					
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15					
16					
17					
18					
19					
20					
21					
22					

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFBMI

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Lab File ID: MAO04PV BFB Injection Date: 01/22/2010

Instrument ID: M.i BFB Injection Time: 0805

GC Column: DB-624 ID: 0.53 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.3
75	30.0 - 80.0% of mass 95	47.3
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	0.1 (0.3)1
174	50.0 - 120.0% of mass 95	58.3
175	5.0 - 9.0% of mass 174	3.6 (6.3)1
176	95.0 - 101.0% of mass 174	56.7 (97.3)1
177	5.0 - 9.0% of mass 176	3.8 (6.6)2

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005MI	VSTD005MI	MAO05CV	01/22/2010	0903
02	VBLKMI	VBLKMI	MAOB03C	01/22/2010	1006
03	VHBLK01	817825	817825	01/22/2010	1050
04	VSTD005IM	VSTD005IM	MAO05CC1	01/22/2010	1922
05					
06					
07					
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21					
22					

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005MD Date Analyzed: 01/19/2010

Lab File ID (Standard): MA005AV Time Analyzed: 0934

Instrument ID: M.i Heated Purge: (Y/N) N

		IS1(CBZ) AREA	#	RT	#	IS2(DFB) AREA	#	RT	#	IS3(DCB) AREA	#	RT	#
	12 HOUR STD	1527309		12.60		2084593		8.96		723889		15.39	
	UPPER LIMIT	2138233		12.93		2918430		9.29		1013445		15.72	
	LOWER LIMIT	916385		12.27		1250756		8.63		434333		15.05	
	EPA SAMPLE NO.												
01	VBLKMD	1497329		12.61		2006716		8.97		696515		15.39	
02	FB100114	1467447		12.60		2026975		8.97		679564		15.38	
03	TB100114	1457434		12.60		1957807		8.96		687627		15.39	
04	FB100115	1509372		12.60		1991817		8.96		711359		15.40	
05	SB2GW200-201	1215535		12.61		1649703		8.96		578360		15.40	
06	SB2GW211-212	1312103		12.62		1753955		8.96		624845		15.39	
07	SB2GW221-222	1380720		12.61		1795980		8.96		643193		15.39	
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005MH Date Analyzed: 01/21/2010

Lab File ID (Standard): MA0005BV Time Analyzed: 1839

Instrument ID: M.i Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	1569567	12.61	2169402	8.96	719827	15.40
	UPPER LIMIT	2197394	12.94	3037163	9.29	1007758	15.73
	LOWER LIMIT	941740	12.28	1301641	8.63	431896	15.06
	EPA SAMPLE NO.						
01	VBLKMH	1577926	12.60	2104188	8.96	728604	15.38
02	SB2GW193-194	1610044	12.61	2197754	8.96	722432	15.38
03	SB2GW231-232	1713216	12.60	2307109	8.97	789316	15.37
04							
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20							
21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005MI Date Analyzed: 01/22/2010

Lab File ID (Standard): MA005CV Time Analyzed: 0903

Instrument ID: M.i Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	1468252	12.61	1965802	8.96	708763	15.38
	UPPER LIMIT	2055553	12.94	2752123	9.29	992268	15.72
	LOWER LIMIT	880951	12.27	1179481	8.62	425258	15.05
	EPA SAMPLE NO.						
01	VBLKMI	1463183	12.62	1915531	8.97	689861	15.39
02	VHBLK01	1432263	12.62	1922119	8.98	653953	15.39
03							
04							
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20							
21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

Supportive Documentation – SOM01.2
Volatiles – Trace

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
FB100114

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817820

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817820

Level: (TRACE/LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
FB100114

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817820

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817820

Level: (TRACE/LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
FB100114

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817820

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817820

Level: (TRACE or LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	67-63-0	Isopropyl Alcohol	4.93	75	NJ
02		Unknown	10.45	3.6	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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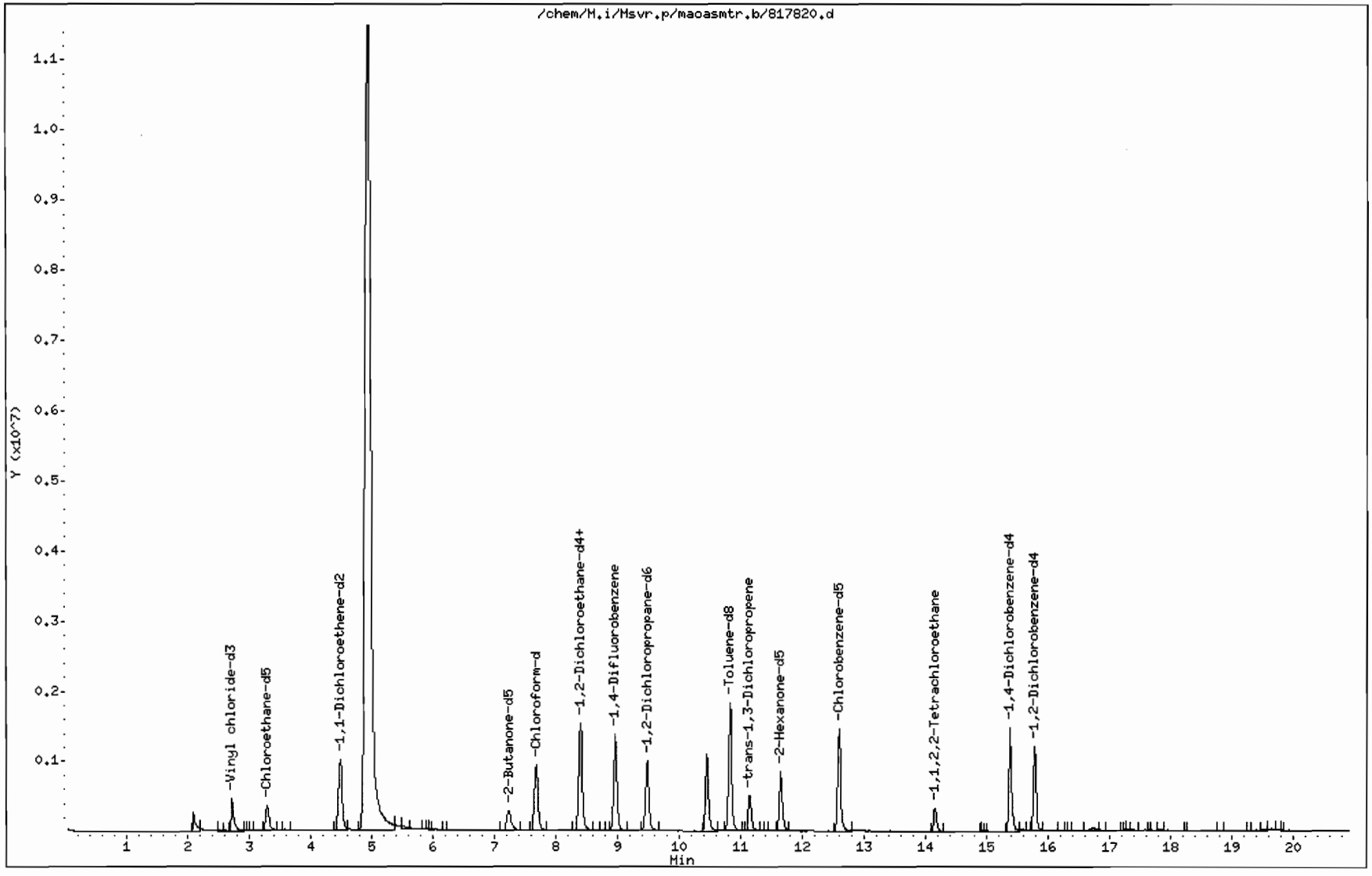
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/M.i/Msvr.p/maoasmtr.b/817820.d
Date : 19-JAN-2010 16:09
Client ID: FB100114
Sample Info: FB100114 :[ ]01/14/10 @1520(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: MRV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/817820.d
Lab Smp Id: 817820 Client Smp ID: FB100114
Inj Date : 19-JAN-2010 16:09
Operator : MRV Inst ID: M.i
Smp Info : FB100114 :[ ]01/14/10 @1520(WATER)
Misc Info : 817820,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	2.718	2.720	(0.303)	926024	4.89041	4.9
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	3.291	3.294	(0.367)	759285	5.10992	5.1
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	4.478	4.480	(0.499)	1767894	4.29888	4.3
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	Compound Not Detected.					
13	Carbon disulfide	76	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	7.217	7.229	(0.805)	691658	51.8846	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	7.682	7.684	(0.857)	1393327	5.09143	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	8.394	8.386	(0.936)	413860	4.76216	4.8(Q)
$	29 Benzene-d6	84	8.403	8.396	(0.667)	2114541	5.19529	5.2
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	8.967	8.960	(1.000)	2026975	5.00000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.481	9.484	(0.753)	968961	4.69642	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	10.826	10.829	(0.859)	2176698	5.15560	5.2
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	11.142	11.145	(0.885)	522526	5.14870	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	11.647	11.649	(0.925)	697594	50.9201	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	12.596	12.599	(1.000)	1467447	5.00000	
	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	14.158	14.161	(1.124)	360185	4.98606	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	15.385	15.387	(1.000)	679564	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	15.790	15.783	(1.026)	530124	5.08379	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	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/817820.d
Lab Smp Id: 817820 Client Smp ID: FB100114
Inj Date : 19-JAN-2010 16:09
Operator : MRV Inst ID: M.i
Smp Info : FB100114 :[ ]01/14/10 @1520(WATER)
Misc Info : 817820,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	8.967	5320682	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Isopropyl Alcohol				CAS #: 67-63-0			
4.933	79290896	74.5119583	75	86	NIST05.1	289	32
Unknown				CAS #:			
10.450	3831351	3.60043170	3.6	0		0	32

Data File: /chem/M.i/Msvr.p/maoasmtr.b/817820.d

Date : 19-JAN-2010 16:09

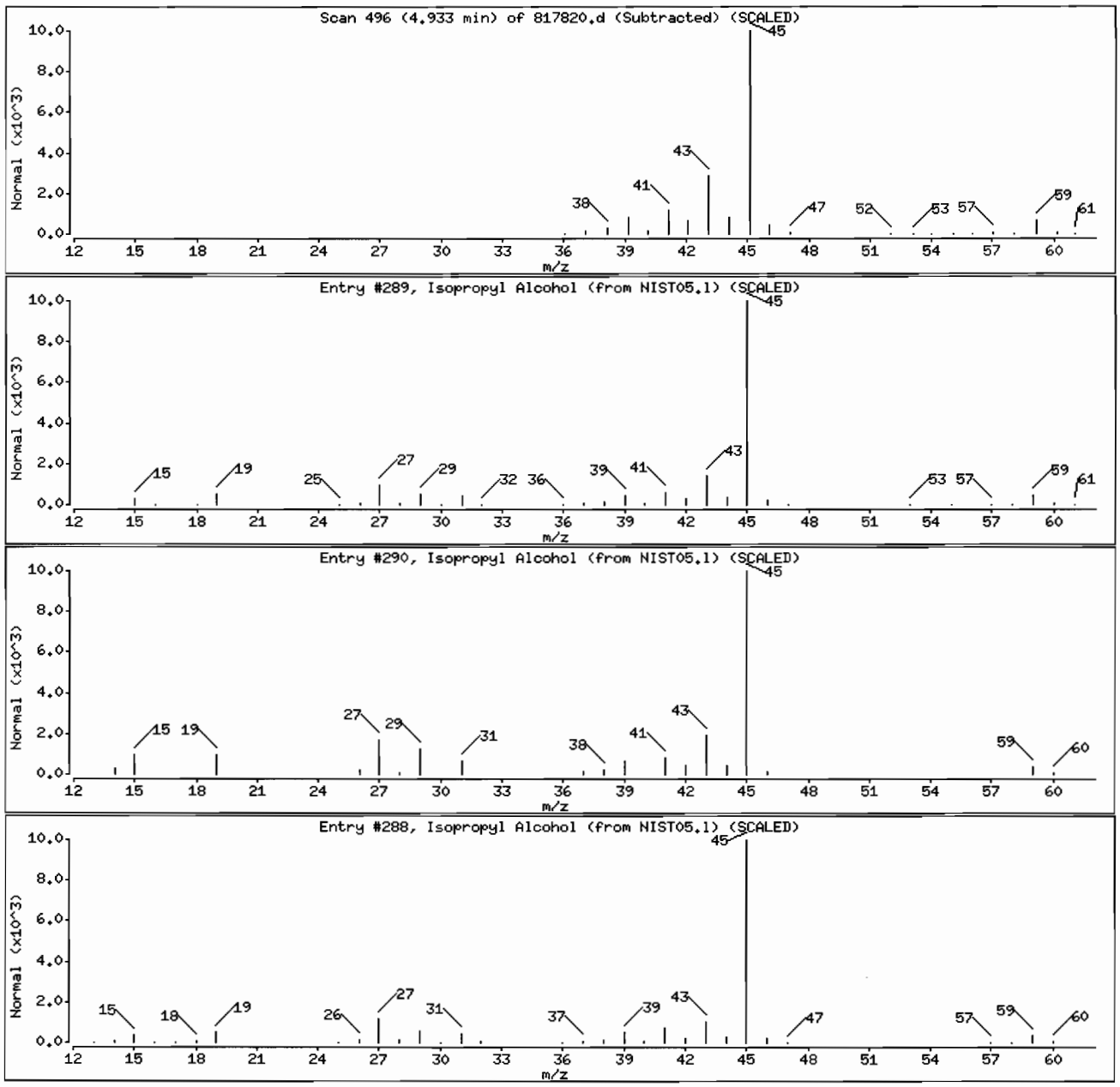
Client ID: FB100114 Instrument: M.i

Sample Info: FB100114 :[ ]01/14/10 @1520(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Isopropyl Alcohol	67-63-0	NIST05.l	289	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.l	290	78	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.l	288	56	C3H8O	60



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817820.d

Date : 19-JAN-2010 16:09

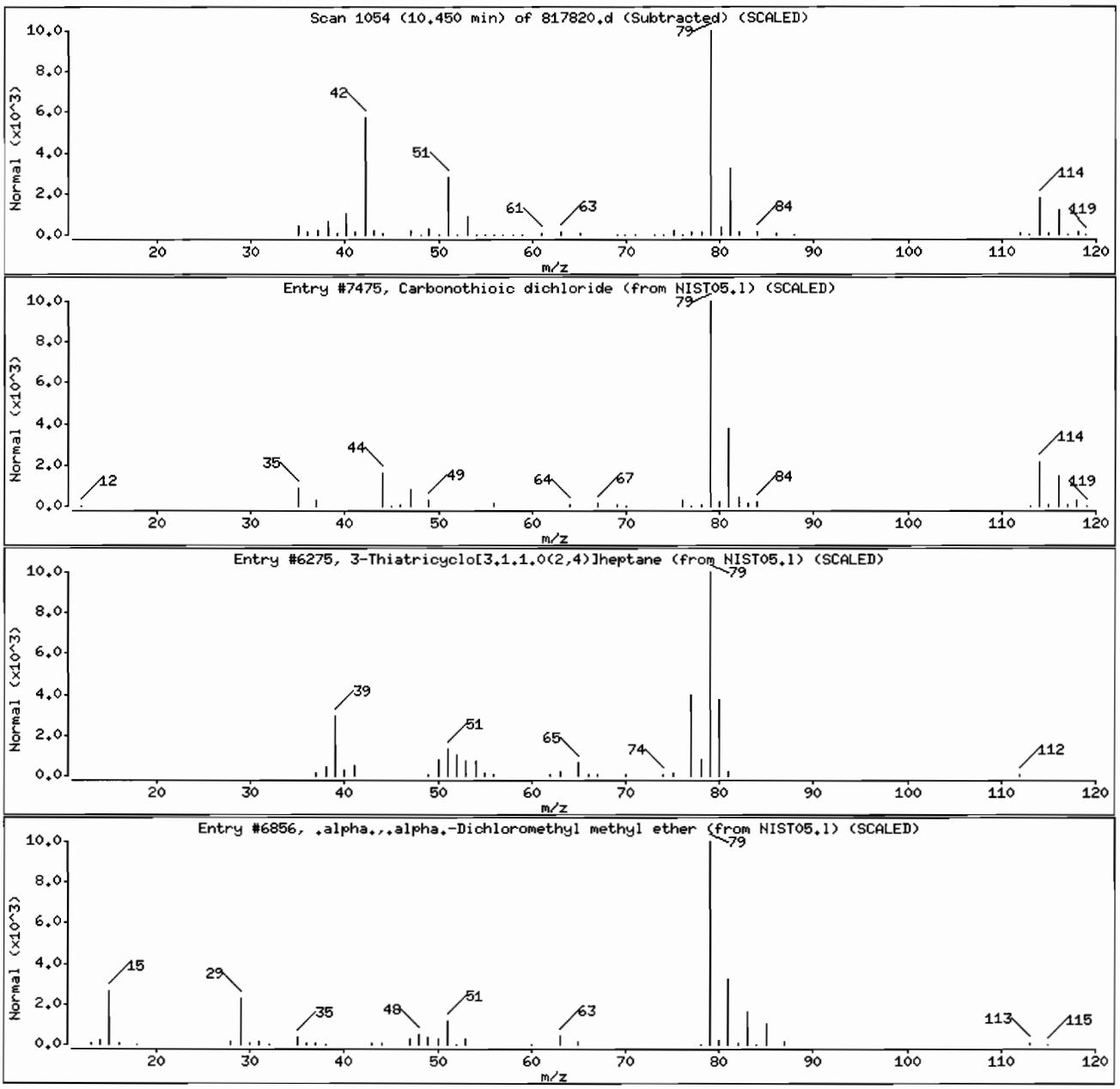
Client ID: FB100114 Instrument: M.i

Sample Info: FB100114 :[J01/14/10 @1520(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	38	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.l	6275	32	C6H8S	112
.alpha.,.alpha.-Dichloromethyl methyl et	4885-02-3	NIST05.l	6856	25	C2H4Cl2O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
FB100115

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817824

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817824

Level: (TRACE/LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
FB100115

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817824

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817824

Level: (TRACE/LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
FB100115

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817824

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817824

Level: (TRACE or LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

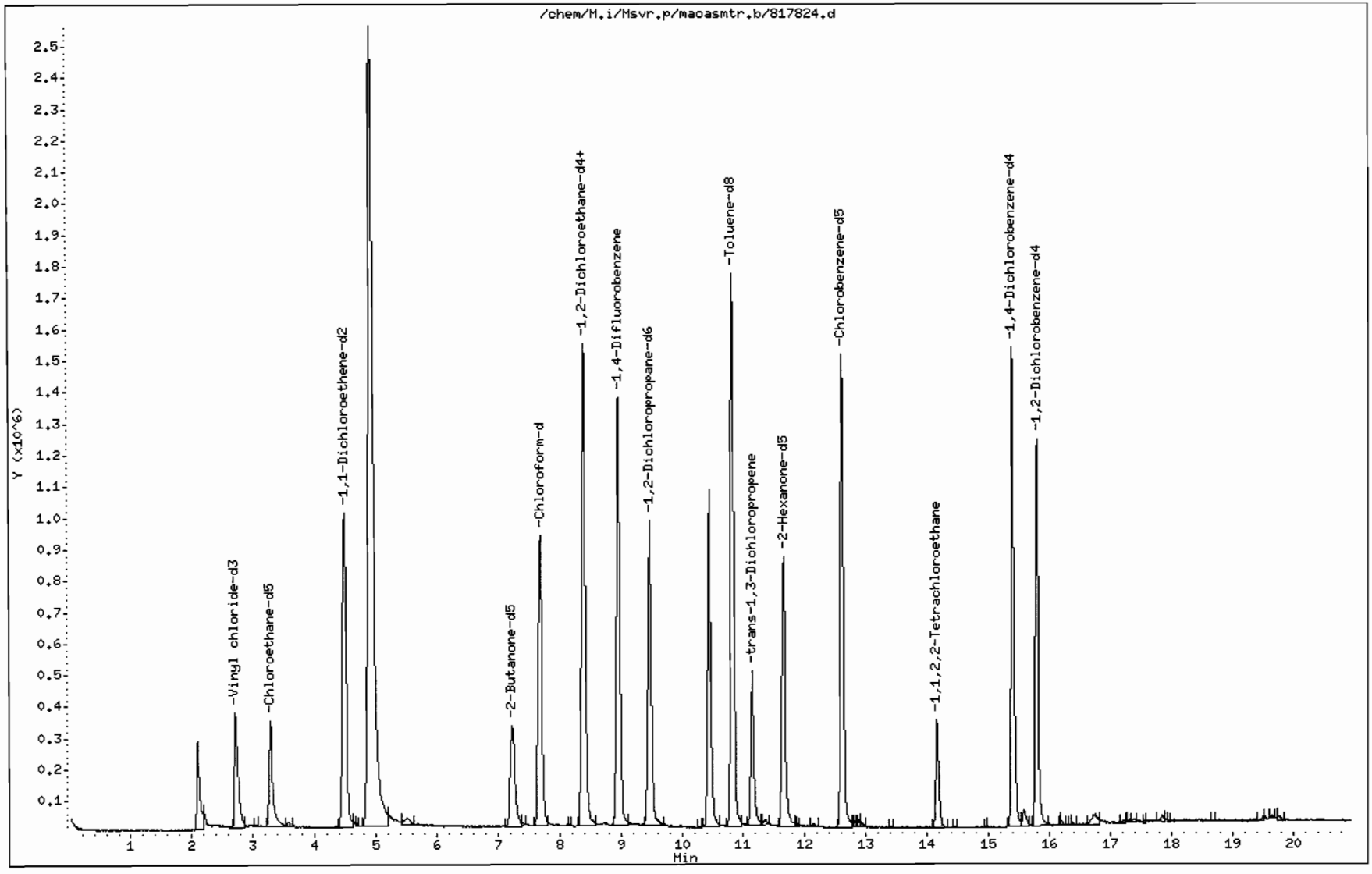
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	67-63-0	Isopropyl Alcohol	4.91	14	NJ
02		Unknown	10.44	3.6	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/M.i/Msvr.p/maoasmtr.b/817824.d
Date : 19-JAN-2010 17:12
Client ID: FB100115
Sample Info: FB100115 :[J01/15/10 @0945(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: MRV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/817824.d
Lab Smp Id: 817824 Client Smp ID: FB100115
Inj Date : 19-JAN-2010 17:12
Operator : MRV Inst ID: M.i
Smp Info : FB100115 :[ ]01/15/10 @0945(WATER)
Misc Info : 817824,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	2.711	2.720	(0.303)	912819	4.90576	4.9
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	3.285	3.294	(0.367)	736824	5.04629	5.0
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	4.481	4.480	(0.500)	1749561	4.32939	4.3
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	Compound Not Detected.					
13	Carbon disulfide	76	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	7.220	7.229	(0.806)	693713	52.9573	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	7.685	7.684	(0.858)	1400516	5.20804	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	8.377	8.386	(0.935)	419987	4.91797	4.9(Q)
$	29 Benzene-d6	84	8.397	8.396	(0.666)	2105567	5.02955	5.0
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	8.961	8.960	(1.000)	1991817	5.00000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.475	9.484	(0.752)	966716	4.55539	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	10.820	10.829	(0.859)	2147271	4.94463	4.9
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	11.146	11.145	(0.885)	520438	4.98568	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	11.650	11.649	(0.925)	716137	50.8216	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	12.600	12.599	(1.000)	1509372	5.00000	
	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	14.162	14.161	(1.124)	369491	4.97281	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	15.398	15.387	(1.000)	711359	5.00000	(Q)
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	15.793	15.783	(1.026)	538616	4.93437	4.9
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/M.i/Msvr.p/maoasmtr.b/817824.d
Lab Smp Id: 817824 Client Smp ID: FB100115
Inj Date : 19-JAN-2010 17:12
Operator : MRV Inst ID: M.i
Smp Info : FB100115 :[ ]01/15/10 @0945(WATER)
Misc Info : 817824,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	8.961	5236054	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Isopropyl Alcohol				CAS #: 67-63-0			
4.906	15168796	14.4849475	14	86	NIST05.1	289	32
Unknown				CAS #:			
10.444	3804216	3.63271231	3.6	0		0	32

Data File: /chem/M.i/Msvr.p/maoasmtr.b/817824.d

Date : 19-JAN-2010 17:12

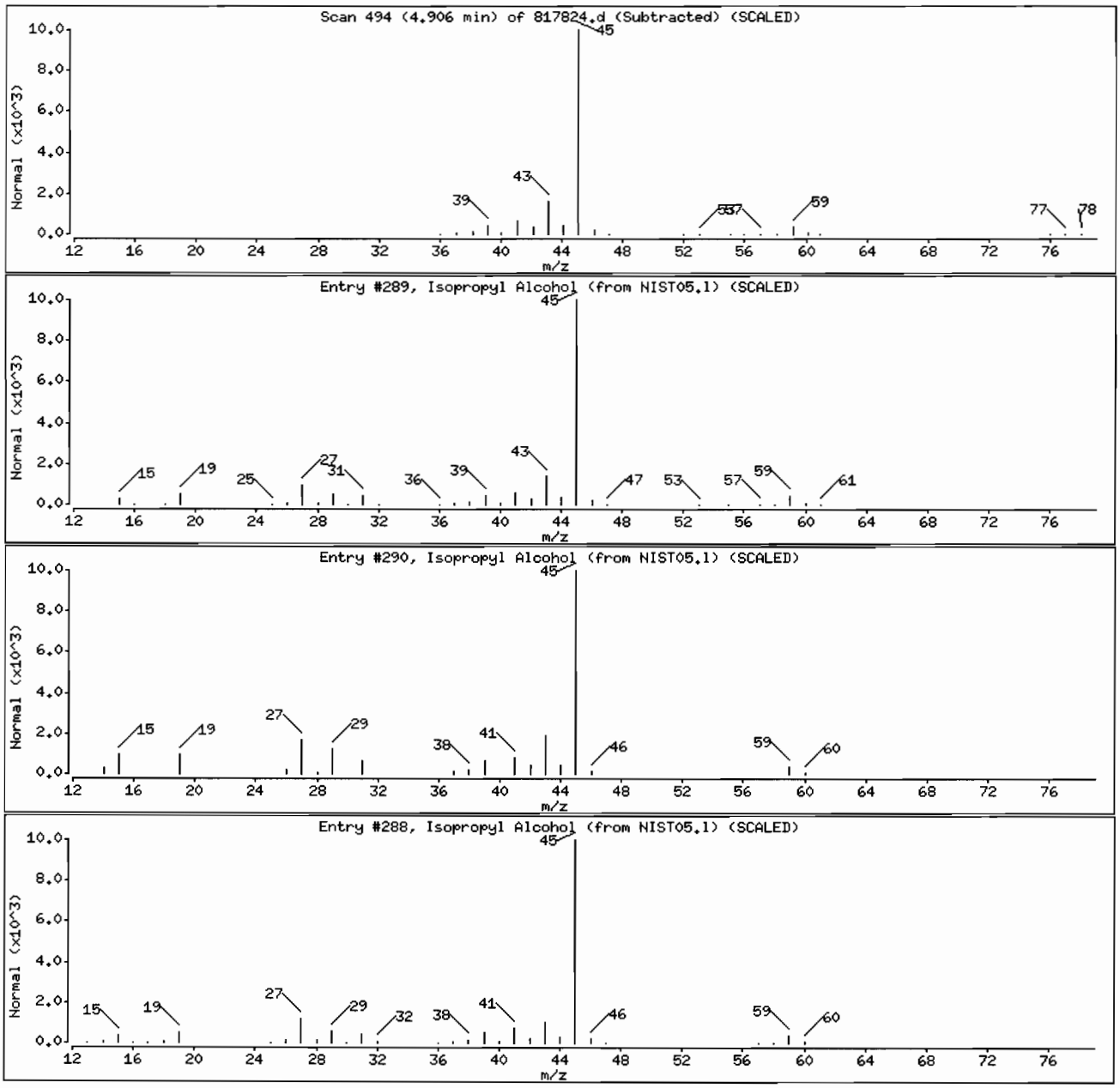
Client ID: FB100115 Instrument: M.i

Sample Info: FB100115 :[ ]01/15/10 @0945(WATER)

Purge Volume: 25.0 Operator: HRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Isopropyl Alcohol	67-63-0	NIST05.1	289	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	290	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	288	86	C3H8O	60



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817824.d

Date : 19-JAN-2010 17:12

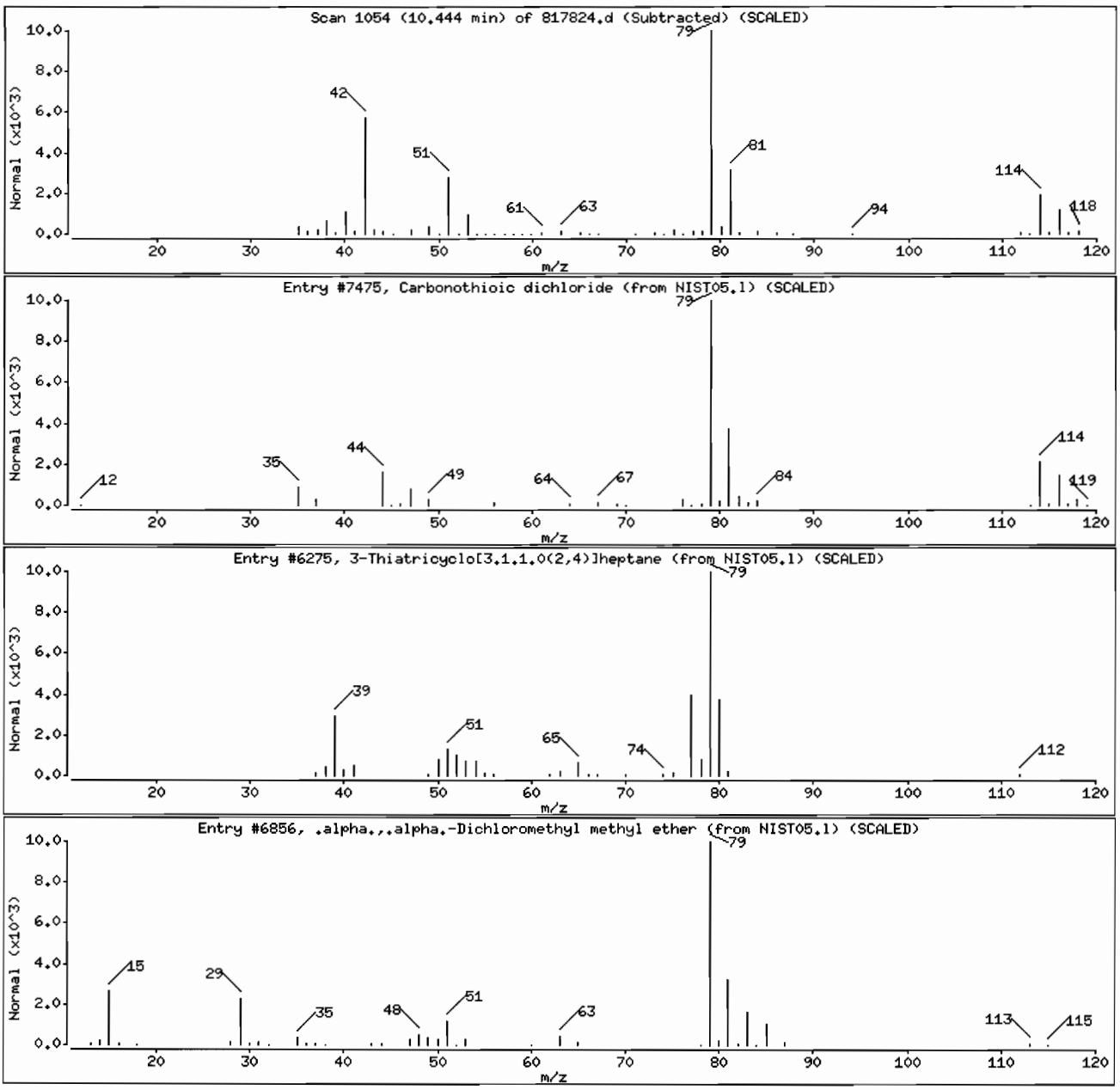
Client ID: FB100115 Instrument: M.i

Sample Info: FB100115 :[ ]01/15/10 @0945(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	43	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	37	C6H8S	112
.alpha.,.alpha.-Dichloromethyl methyl et	4885-02-3	NIST05.1	6856	25	C2H4Cl2O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2GW193-194

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817817

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817817

Level: (TRACE/LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/21/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	71	
75-15-0	Carbon disulfide	0.26	J
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	1.4	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.42	J
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2GW193-194

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817817

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817817

Level: (TRACE/LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/21/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.46	J
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.34	J
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.26	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.36	J
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB2GW193-194

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817817

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817817

Level: (TRACE or LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/21/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	2.33	2.2	J
02	67-63-0	Isopropyl Alcohol	4.92	12	NJ
03		Unknown	10.45	3.5	JXB
04	66-25-1	Hexanal	11.83	2.2	NJ
05		Unknown alcohol	15.57	0.72	J
06	124-19-6	Nonanal	16.37	1.7	NJ
07	112-31-2	Decanal	17.37	1.5	NJ
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

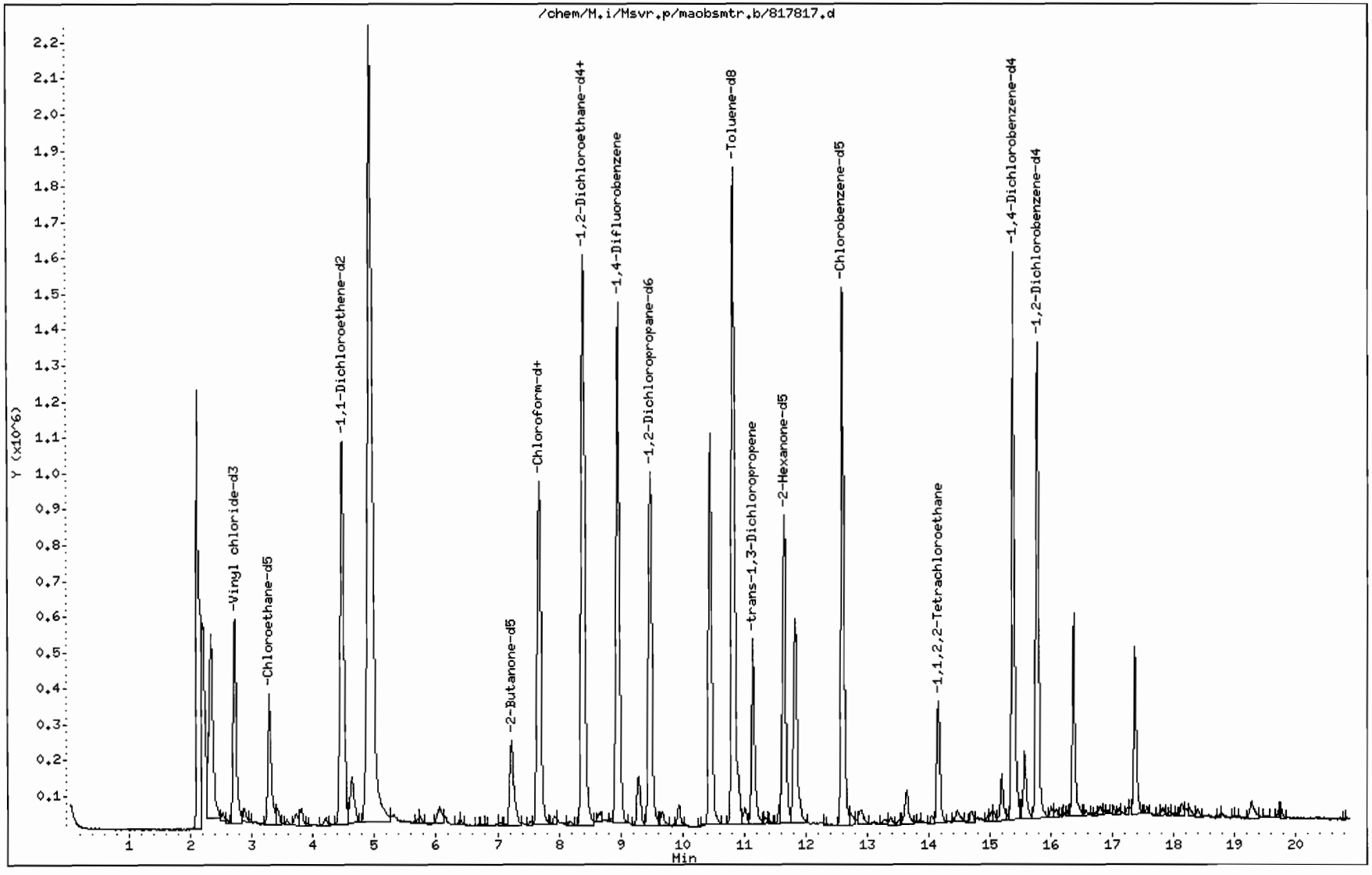
(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/M.i/Msvr.p/maobsmtr.b/817817.d
Date : 21-JAN-2010 20:41
Client ID: SB2GW193-194
Sample Info: ISCO-SB-2-GW193'-194':[ ]01/14/10 @1330(WATER)
Purge Volume: 25.0
Column phase: DB-624

Page 6

Instrument: M.i
Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maobsmtr.b/817817.d
Lab Smp Id: 817817 Client Smp ID: SB2GW193-194
Inj Date : 21-JAN-2010 20:41
Operator : JP1 Inst ID: M.i
Smp Info : ISCO-SB-2-GW193'-194':[ ]01/14/10 @1330(WATER)
Misc Info : 817817,012110MH,1,5
Comment :
Method : /chem/M.i/Msvr.p/maobsmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:10 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	2.717	2.721	(0.303)	974655	4.74726	4.7
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	3.281	3.295	(0.366)	809665	5.02555	5.0
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	4.467	4.491	(0.499)	1862527	4.17706	4.2
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	4.635	4.630	(0.518)	394077	71.1423	71
	13 Carbon disulfide	76	4.843	4.857	(0.541)	128560	0.26498	0.26(a)
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
15	Methylene chloride	84	Compound Not Detected.					
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	7.226	7.230	(0.807)	674005	46.6316	47
20	cis-1,2-Dichloroethene	96	Compound Not Detected.					
21	2-Butanone	43	7.315	7.319	(0.817)	19310	1.40172	1.4(a)
22	Bromochloromethane	128	Compound Not Detected.					
$ 23	Chloroform-d	84	7.681	7.685	(0.858)	1449845	4.88628	4.9(Q)
24	Chloroform	83	7.701	7.715	(0.860)	117179	0.41603	0.42(a)
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	8.383	8.387	(0.936)	414978	4.40398	4.4(Q)
$ 29	Benzene-d6	84	8.393	8.407	(0.666)	2221485	4.97464	5.0
30	Benzene	78	Compound Not Detected.					
31	1,2-Dichloroethane	62	Compound Not Detected.					
* 32	1,4-Difluorobenzene	114	8.957	8.961	(1.000)	2197754	5.00000	
33	Trichloroethene	95	9.293	9.297	(0.737)	95009	0.45737	0.46(a)
$ 34	1,2-Dichloropropane-d6	67	9.471	9.485	(0.751)	1025665	4.53096	4.5
35	Methylcyclohexane	55	Compound Not Detected.					
36	1,2-Dichloropropane	63	Compound Not Detected.					
37	Bromodichloromethane	83	9.945	9.950	(0.789)	71015	0.34215	0.34(a)
38	cis-1,3-Dichloropropene	75	Compound Not Detected.					
39	4-Methyl-2-pentanone	43	Compound Not Detected.					
$ 40	Toluene-d8	98	10.825	10.830	(0.859)	2283260	4.92903	4.9
41	Toluene	91	10.905	10.919	(0.865)	126525	0.26081	0.26(a)
$ 42	trans-1,3-Dichloropropene-d4	79	11.142	11.156	(0.884)	538033	4.83196	4.8
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	11.656	11.660	(0.925)	734110	48.8396	49
47	2-Hexanone	43	Compound Not Detected.					
48	Dibromochloromethane	129	11.903	11.917	(0.944)	37546	0.35512	0.36(a)
49	1,2-Dibromoethane	107	Compound Not Detected.					
* 50	Chlorobenzene-d5	117	12.605	12.609	(1.000)	1610044	5.00000	
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	14.158	14.172	(1.123)	372010	4.69365	4.7
59	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61	1,4-Dichlorobenzene-d4	152	15.384	15.398	(1.000)	722432	5.00000	(Q)
62	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	15.780	15.793	(1.026)	573926	5.17726	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

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maobsmtr.b/817817.d
Lab Smp Id: 817817 Client Smp ID: SB2GW193-194
Inj Date : 21-JAN-2010 20:41
Operator : JP1 Inst ID: M.i
Smp Info : ISCO-SB-2-GW193'-194':[ ]01/14/10 @1330(WATER)
Misc Info : 817817,012110MH,1,5
Comment :
Method : /chem/M.i/Msvr.p/maobsmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:10 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	8.957	5399631	5.000
* 50 Chlorobenzene-d5	12.605	5144007	5.000
* 61 1,4-Dichlorobenzene-d4	15.384	4921117	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
2.331	2345379	2.17179554	2.2	0		0	32

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Isopropyl Alcohol				CAS #: 67-63-0			
4.922	12429615	11.5096888	12	86	NIST05.1	289	32
Unknown				CAS #:			
10.450	3814603	3.53228119	3.5	0		0	32
Hexanal				CAS #: 66-25-1			
11.834	2240741	2.17801072	2.2	94	NIST05.1	3688	50
Unknown alcohol				CAS #:			
15.572	706702	0.71802971	0.72	0		0	61
Nonanal				CAS #: 124-19-6			
16.373	1706347	1.73369857	1.7	91	NIST05.1	19202	61
Decanal				CAS #: 112-31-2			
17.372	1463250	1.48670528	1.5	91	NIST05.1	27023	61

Data File: /chem/M.i/Msvr.p/maobsmtr.b/817817.d

Date : 21-JAN-2010 20:41

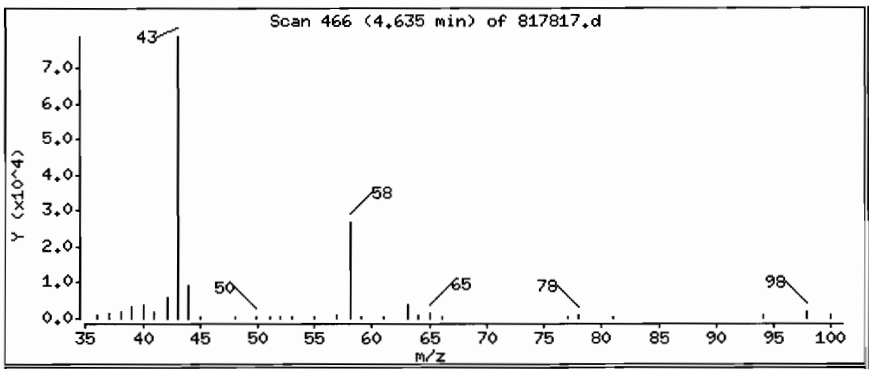
Client ID: SB2GW193-194 Instrument: M.i

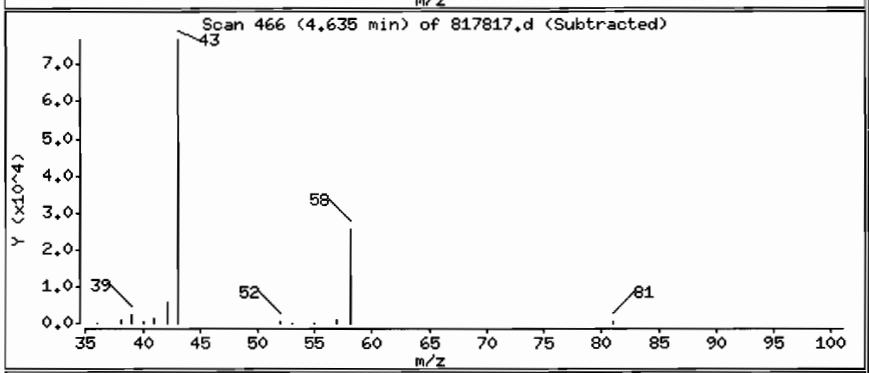
Sample Info: ISCO-SB-2-GW193'-194':[ ]01/14/10 @1330(WATER)

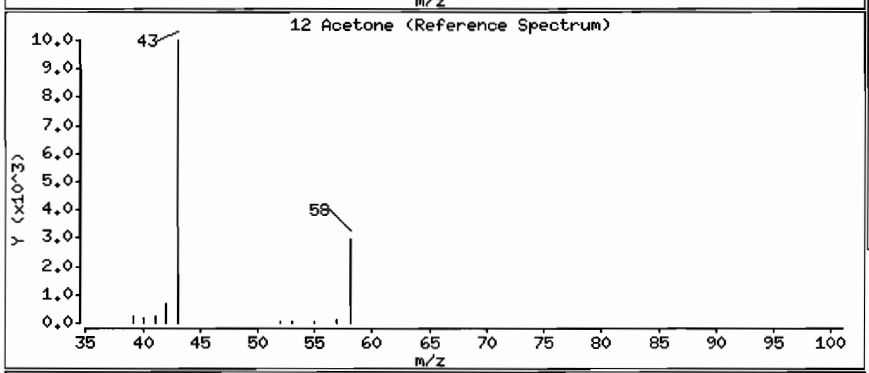
Purge Volume: 25.0 Operator: JP1

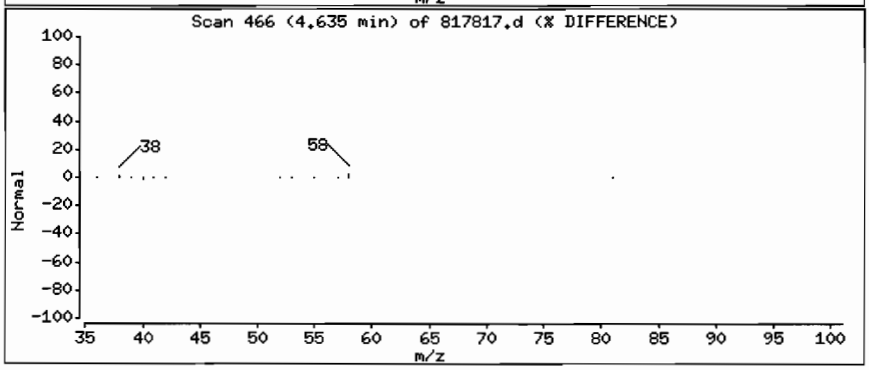
Column phase: DB-624 Column diameter: 0.53

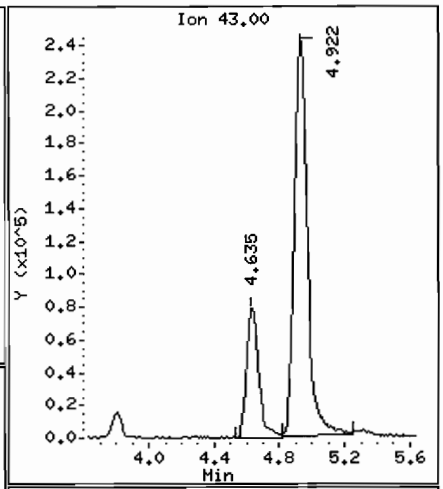
12 Acetone Concentration: 71 ug/L

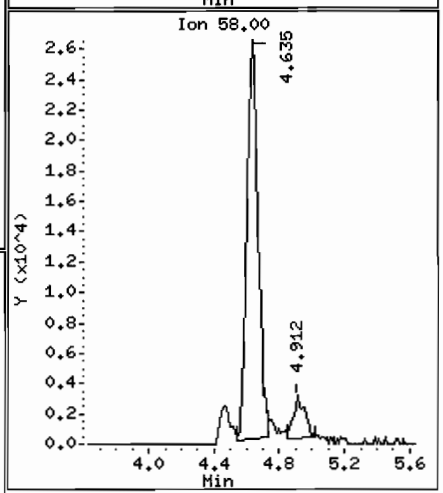












Data File: /chem/M.i/Msvr.p/maobsmtr.b/817817.d

Date : 21-JAN-2010 20:41

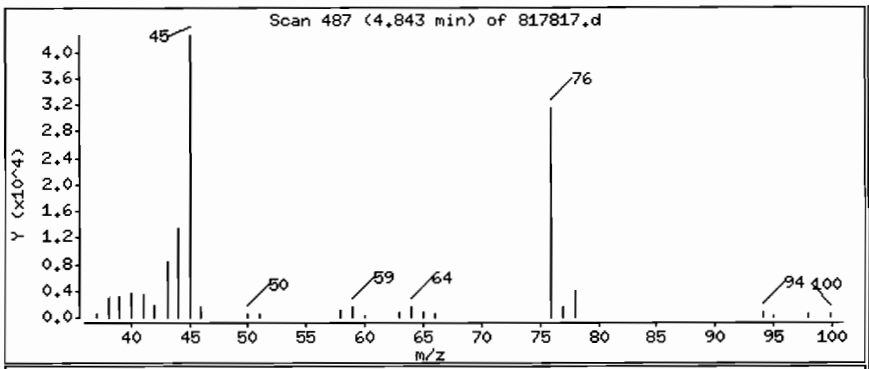
Client ID: SB2GW193-194 Instrument: M.i

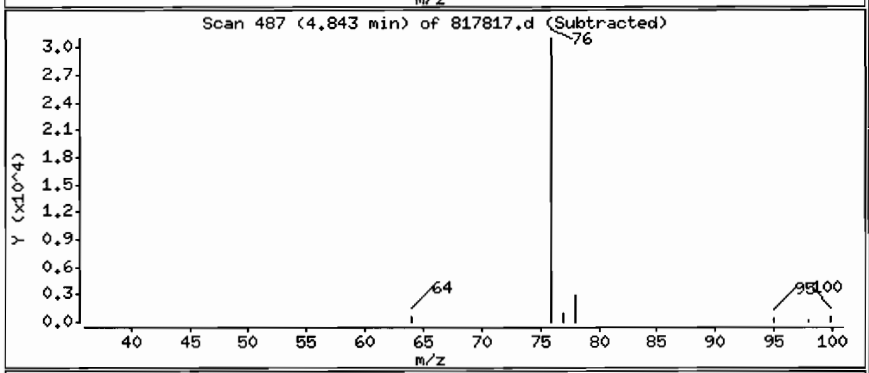
Sample Info: ISCO-SB-2-GW193'-194':[J01/14/10 @1330(WATER)

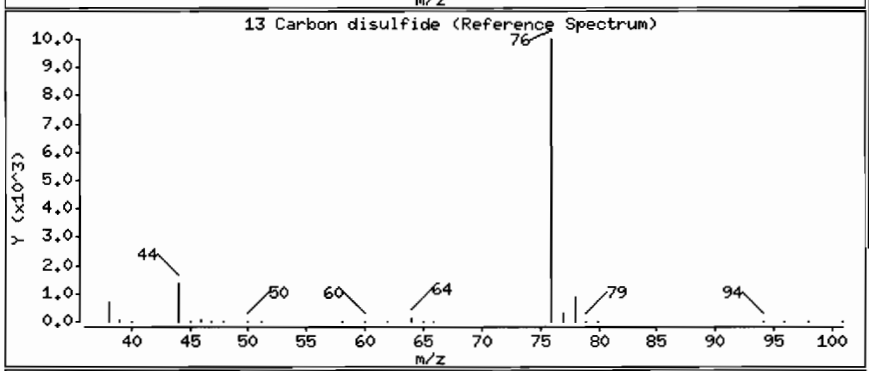
Purge Volume: 25.0 Operator: JP1

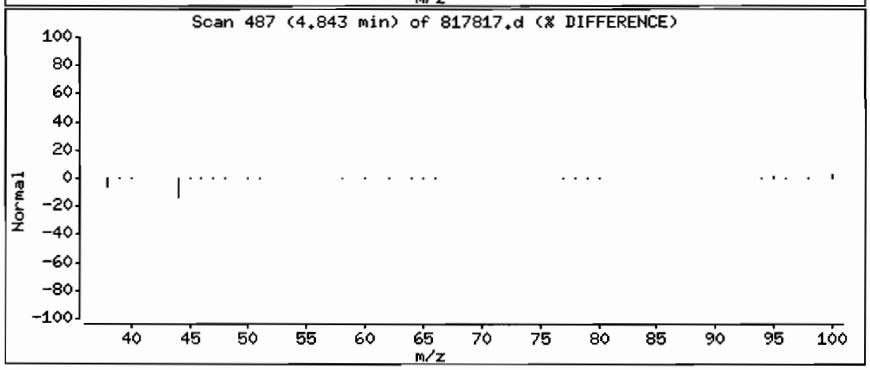
Column phase: DB-624 Column diameter: 0.53

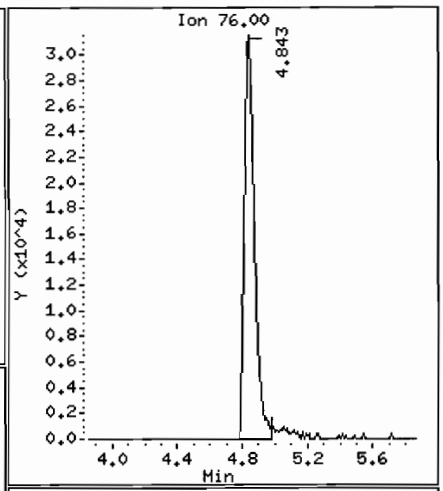
13 Carbon disulfide Concentration: 0.26 ug/L

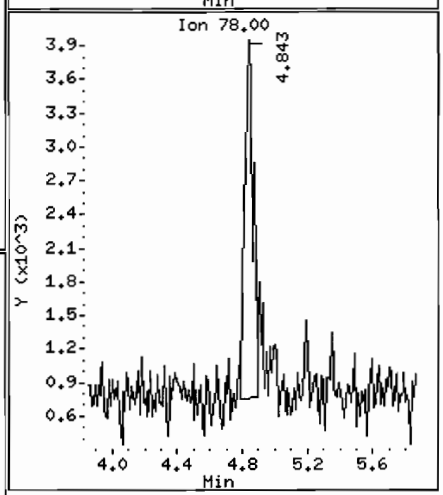












Data File: /chem/M.i/Msvr.p/maobsmtr.b/817817.d

Date : 21-JAN-2010 20:41

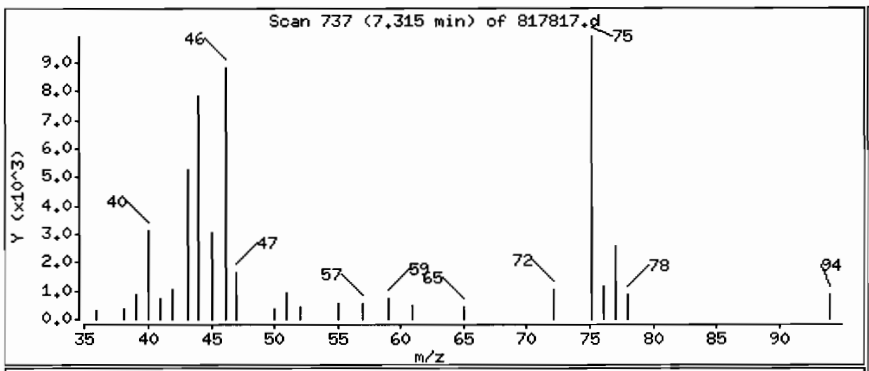
Client ID: SB2GW193-194 Instrument: M.i

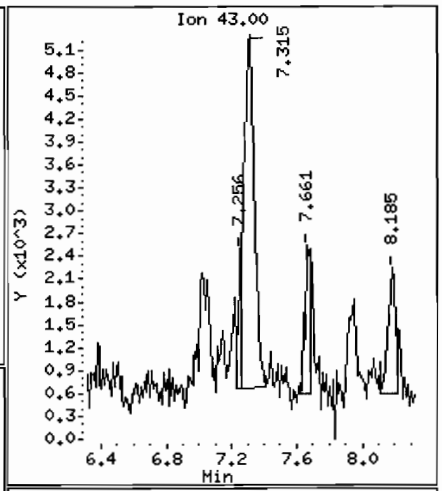
Sample Info: ISCO-SB-2-GW193'-194':[J01/14/10 @1330(WATER)

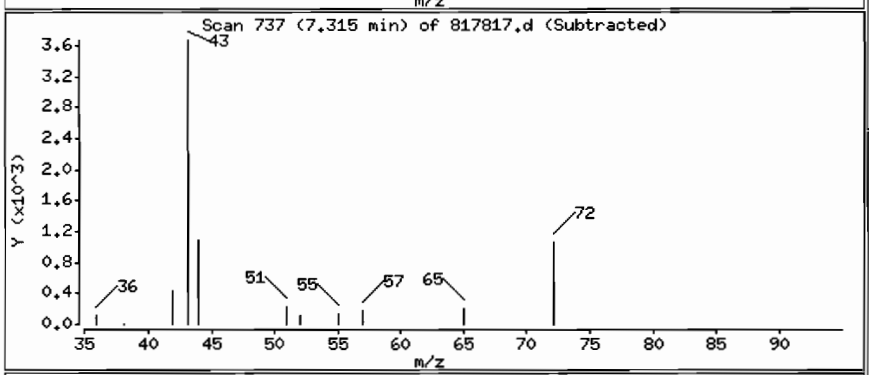
Purge Volume: 25.0 Operator: JP1

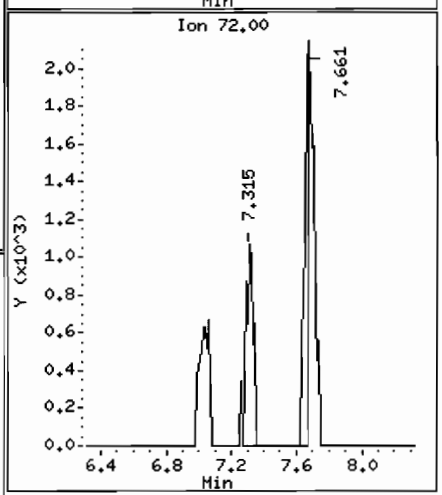
Column phase: DB-624 Column diameter: 0.53

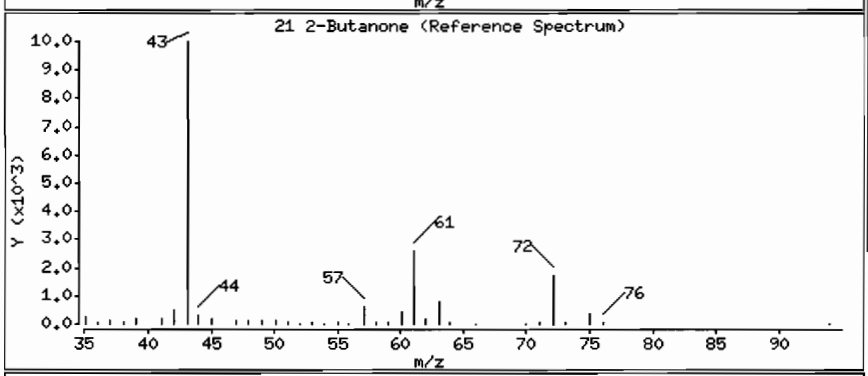
21 2-Butanone Concentration: 1.4 ug/L

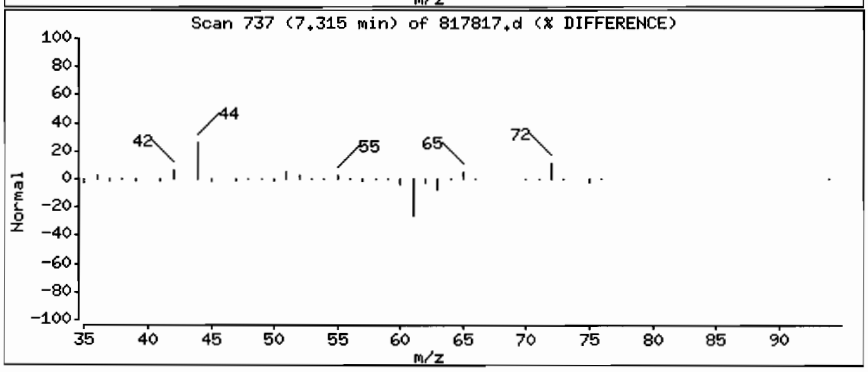












Data File: /chem/M.i/Msvr.p/maobsmtr.b/817817.d

Date : 21-JAN-2010 20:41

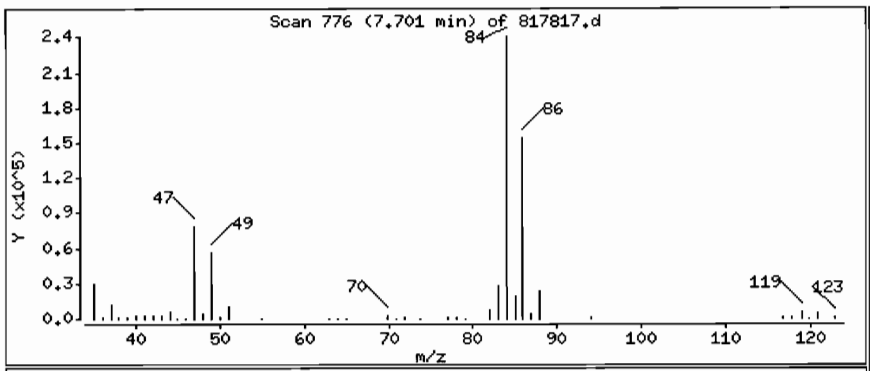
Client ID: SB2GW193-194 Instrument: M.i

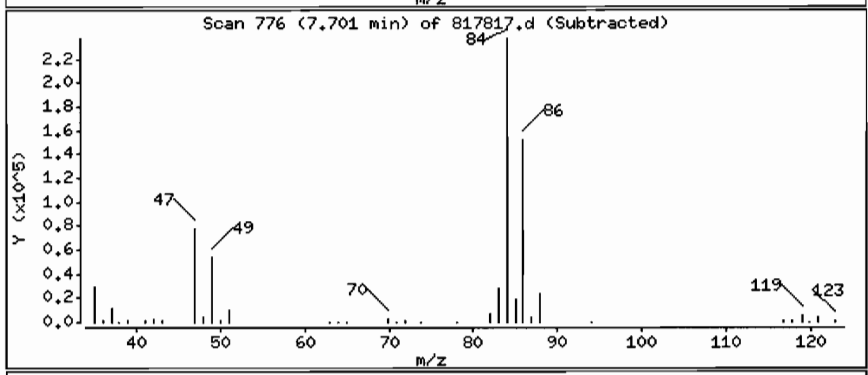
Sample Info: ISCO-SB-2-GW193'-194':[ ]01/14/10 @1330(WATER)

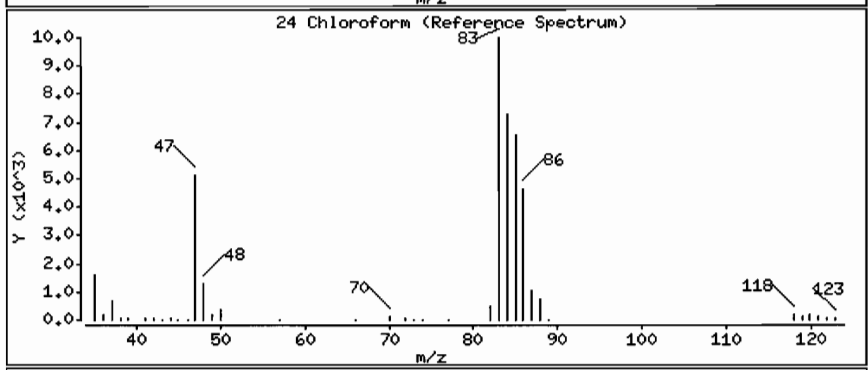
Purge Volume: 25.0 Operator: JP1

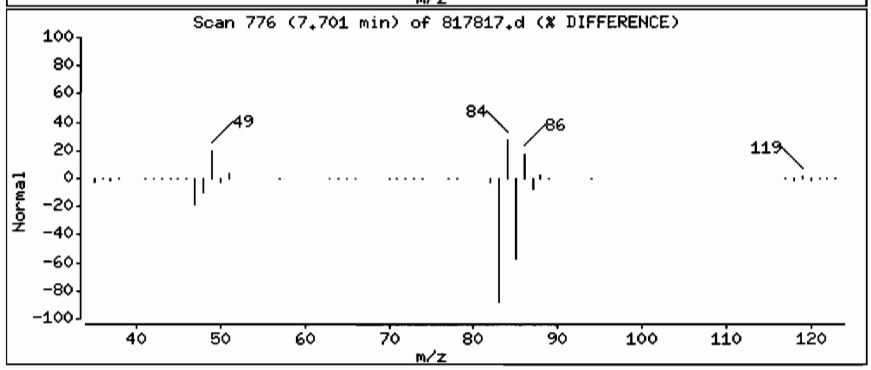
Column phase: DB-624 Column diameter: 0.53

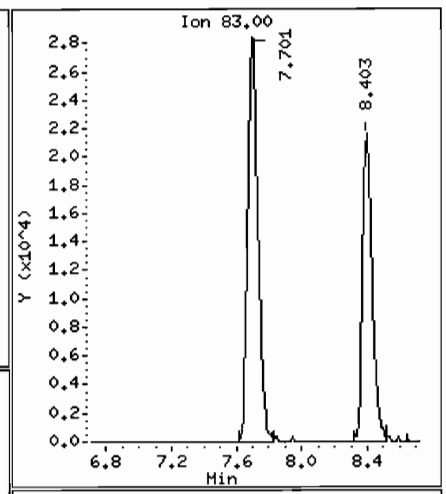
24 Chloroform Concentration: 0.42 ug/L

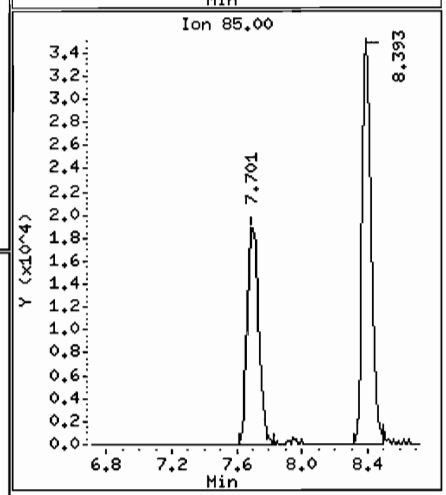












Data File: /chem/M.i/Msvr.p/maobsmtr.b/817817.d

Date : 21-JAN-2010 20:41

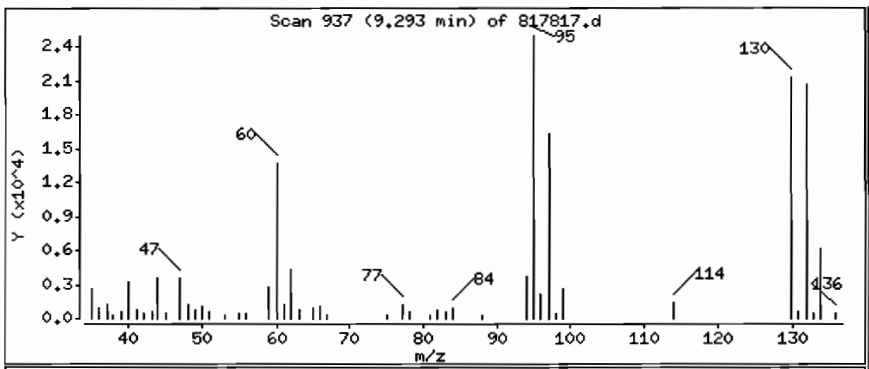
Client ID: SB2GW193-194 Instrument: M.i

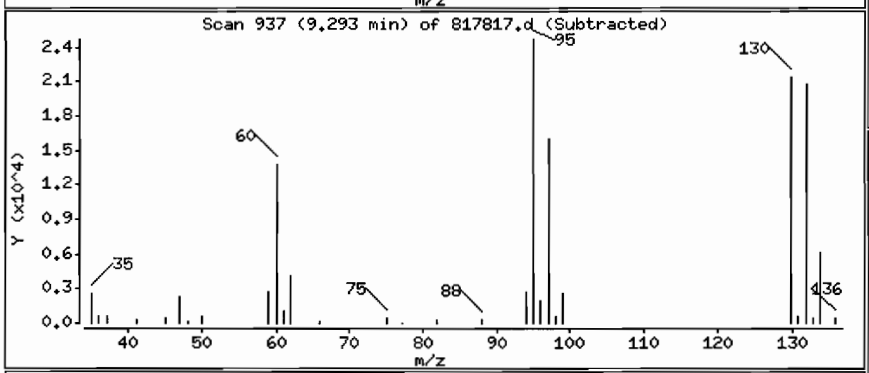
Sample Info: ISCO-SB-2-GW193'-194':[ ]01/14/10 @1330(WATER)

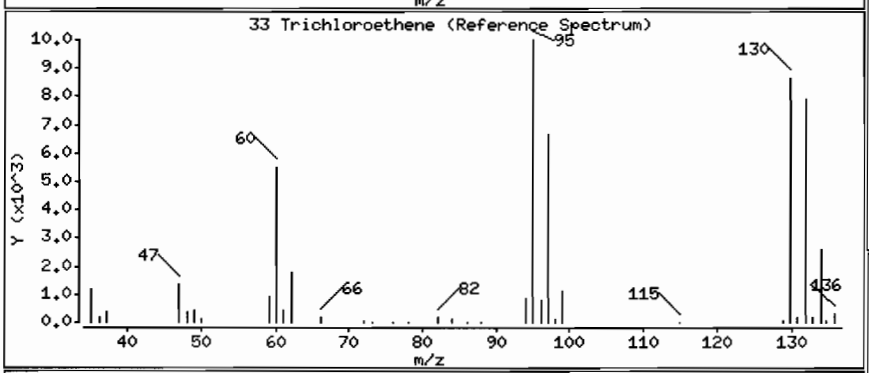
Purge Volume: 25.0 Operator: JP1

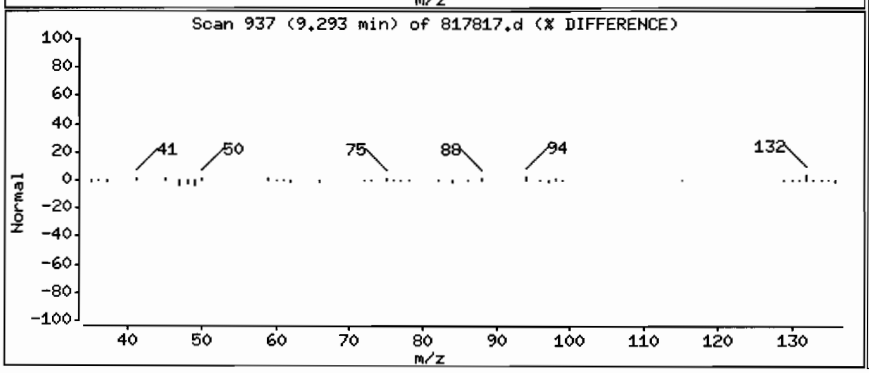
Column phase: DB-624 Column diameter: 0.53

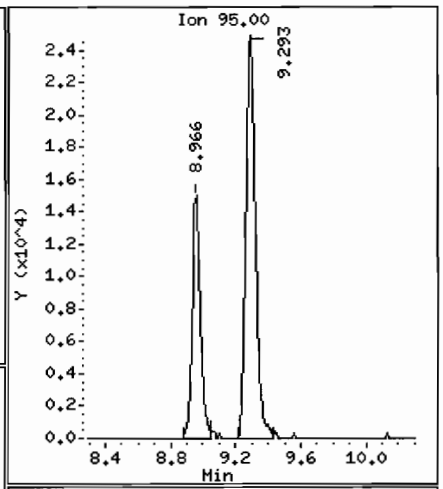
33 Trichloroethene Concentration: 0.46 ug/L

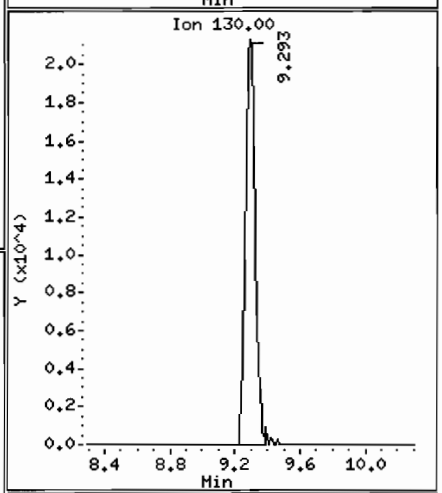


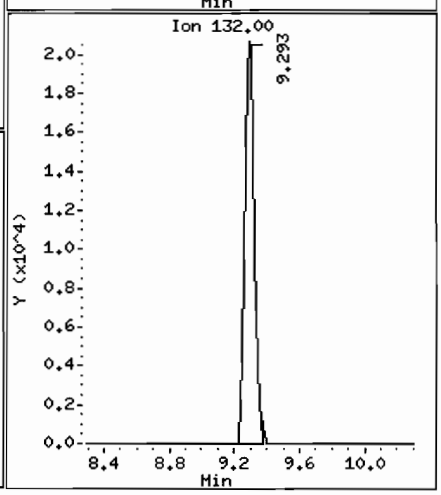












Data File: /chem/M.i/Msvr.p/maobsmtr.b/817817.d

Date : 21-JAN-2010 20:41

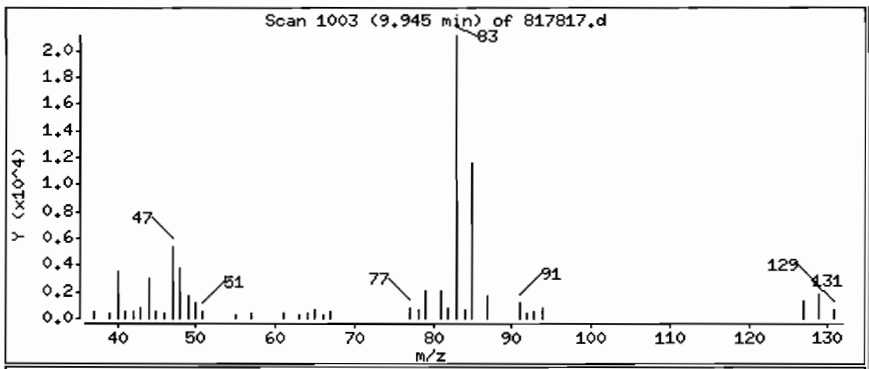
Client ID: SB2GW193-194 Instrument: M.i

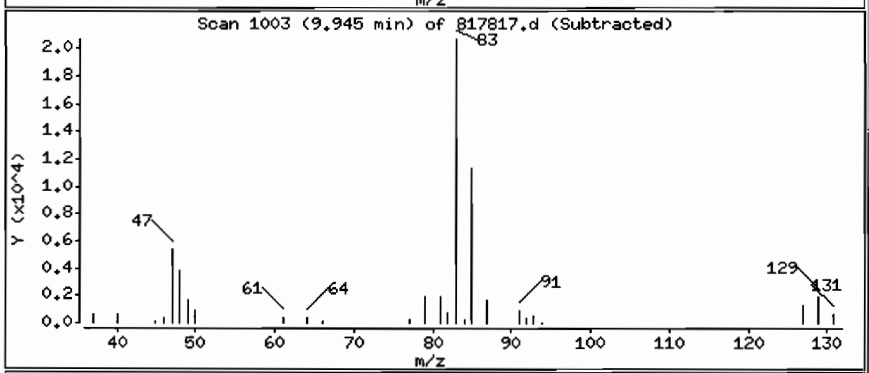
Sample Info: ISCO-SB-2-GW193'-194':[ ]01/14/10 @1330(WATER)

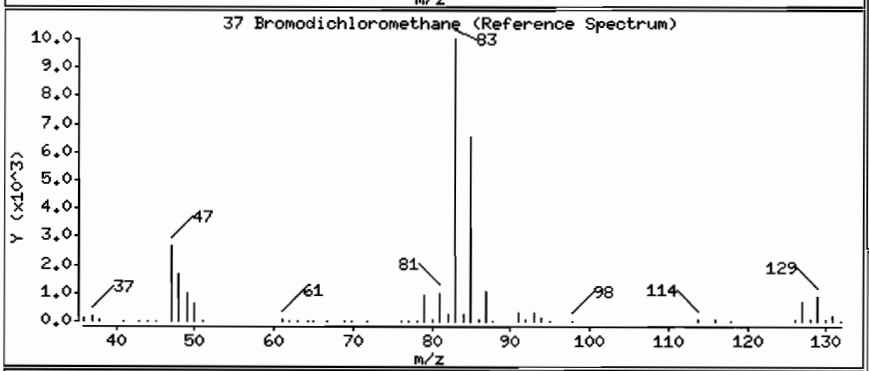
Purge Volume: 25.0 Operator: JP1

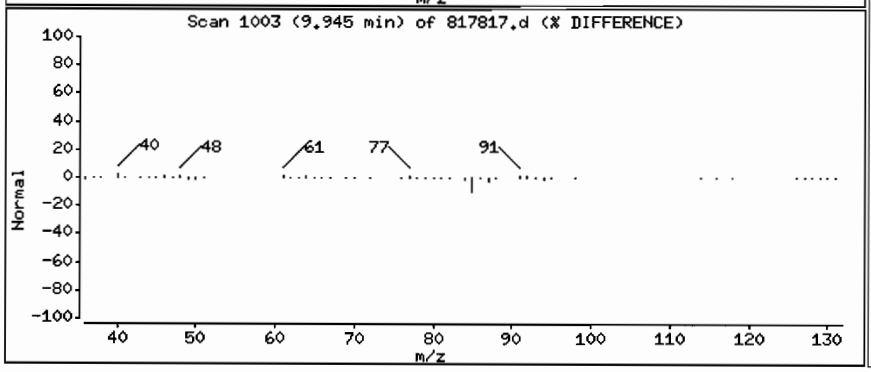
Column phase: DB-624 Column diameter: 0.53

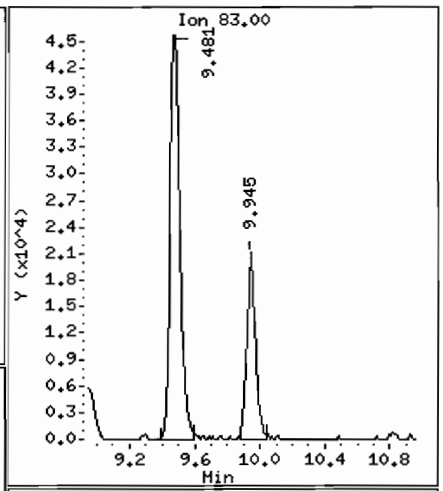
37 Bromodichloromethane Concentration: 0.34 ug/L

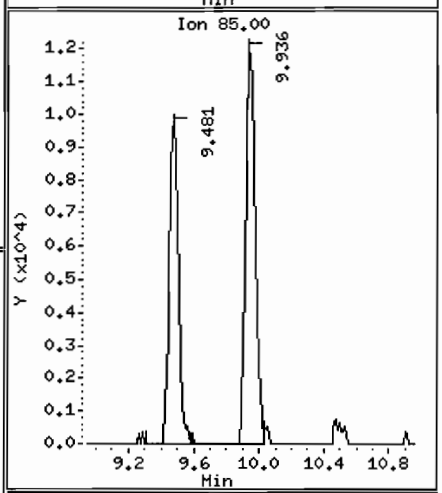


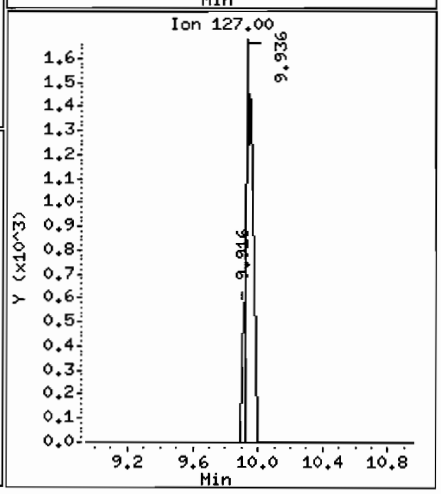












Data File: /chem/M.i/Msvr.p/maobsmtr.b/817817.d

Date : 21-JAN-2010 20:41

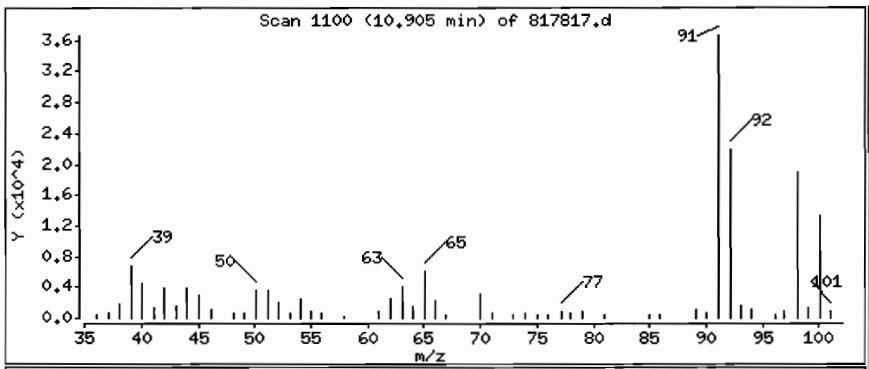
Client ID: SB2GW193-194 Instrument: M.i

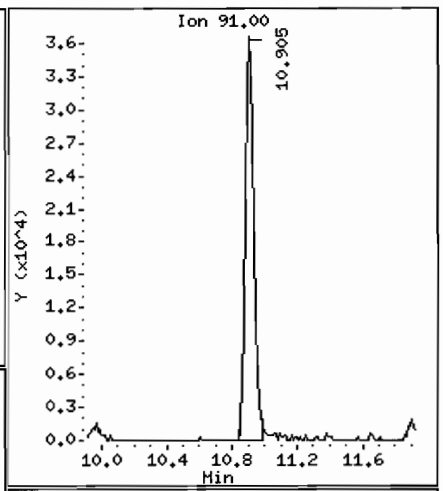
Sample Info: ISCO-SB-2-GW193'-194':[ ]01/14/10 @1330(WATER)

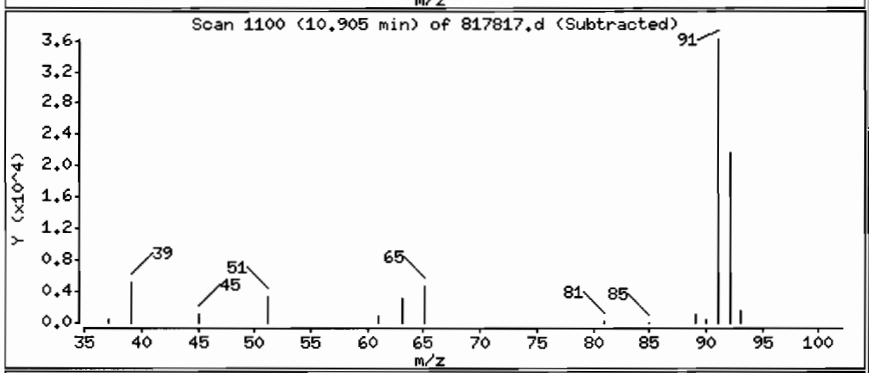
Purge Volume: 25.0 Operator: JP1

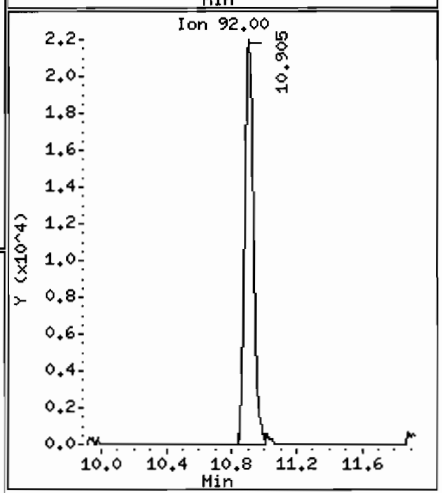
Column phase: DB-624 Column diameter: 0.53

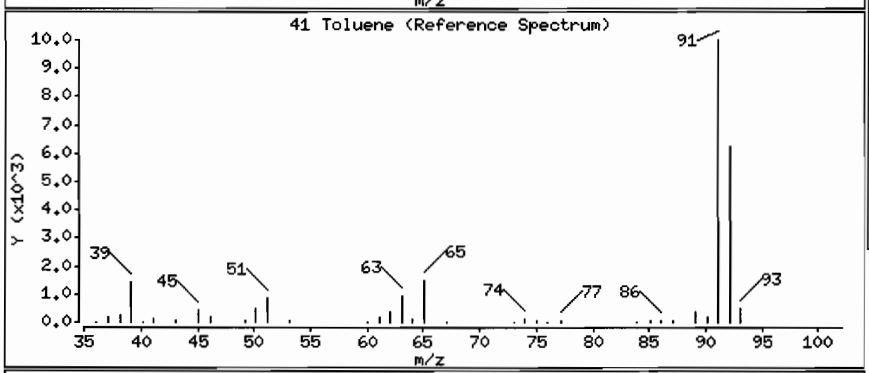
41 Toluene Concentration: 0.26 ug/L

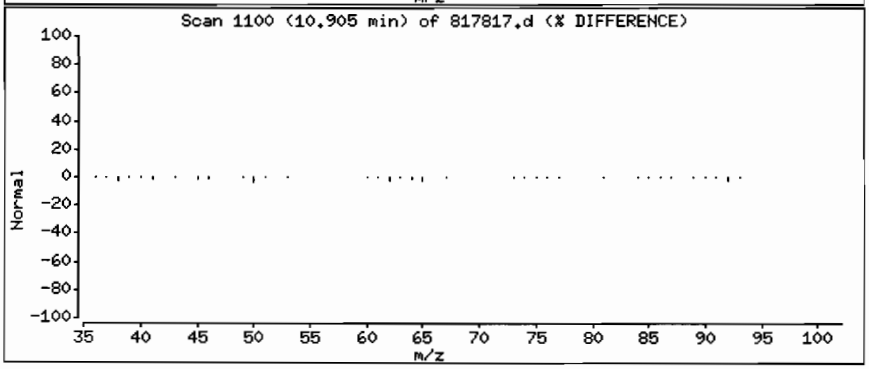












Data File: /chem/M.i/Msvr.p/maobsmtr.b/817817.d

Date : 21-JAN-2010 20:41

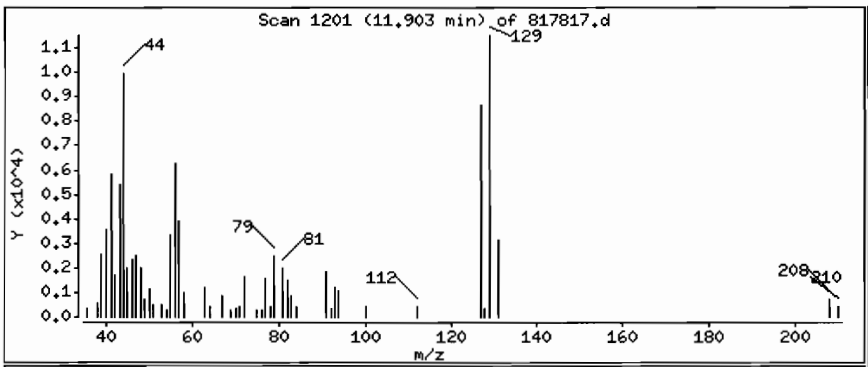
Client ID: SB2GW193-194 Instrument: M.i

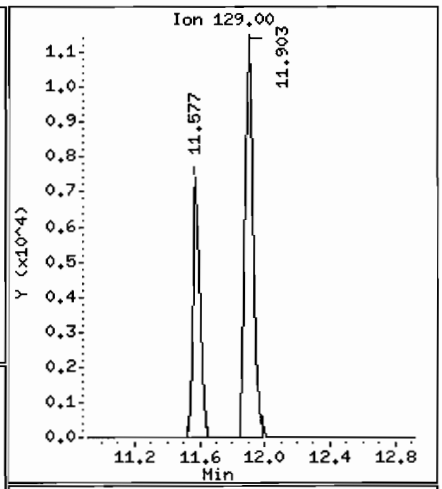
Sample Info: ISCO-SB-2-GW193'-194':[ ]01/14/10 @1330(WATER)

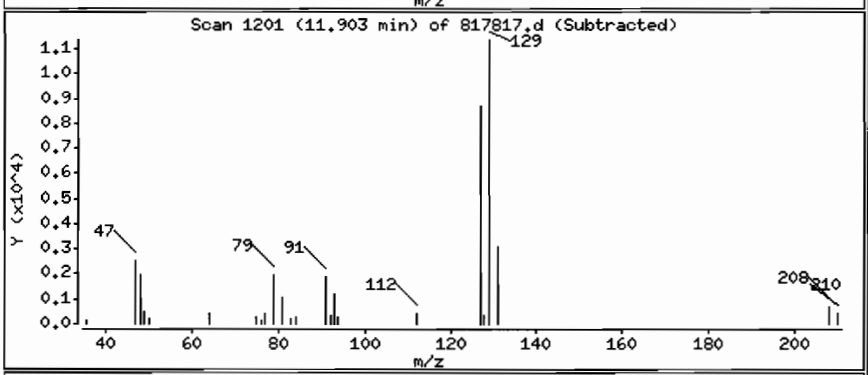
Purge Volume: 25.0 Operator: JP1

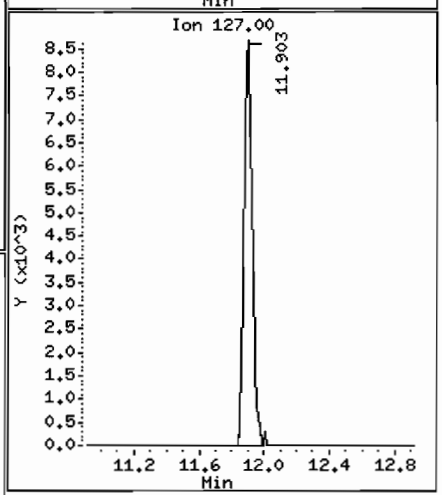
Column phase: DB-624 Column diameter: 0.53

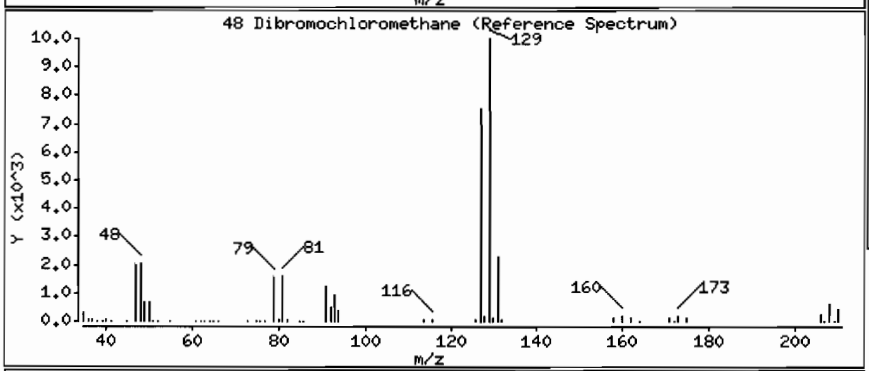
48 Dibromochloromethane Concentration: 0.36 ug/L

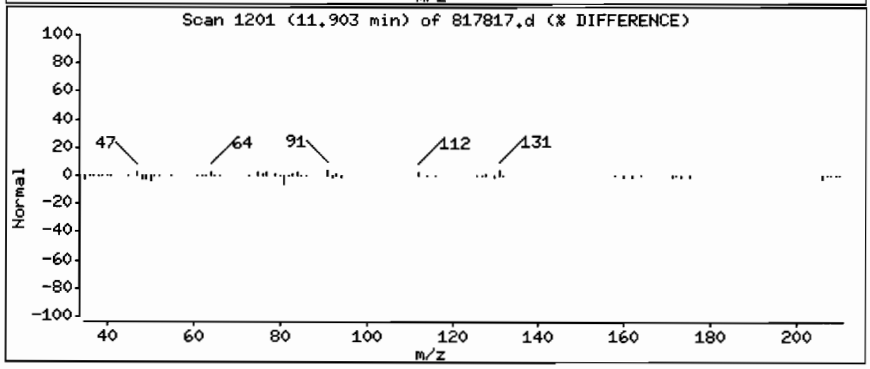












Data File: /chem/M.i/Msvr.p/maobsmtr.b/817817.d

Date : 21-JAN-2010 20:41

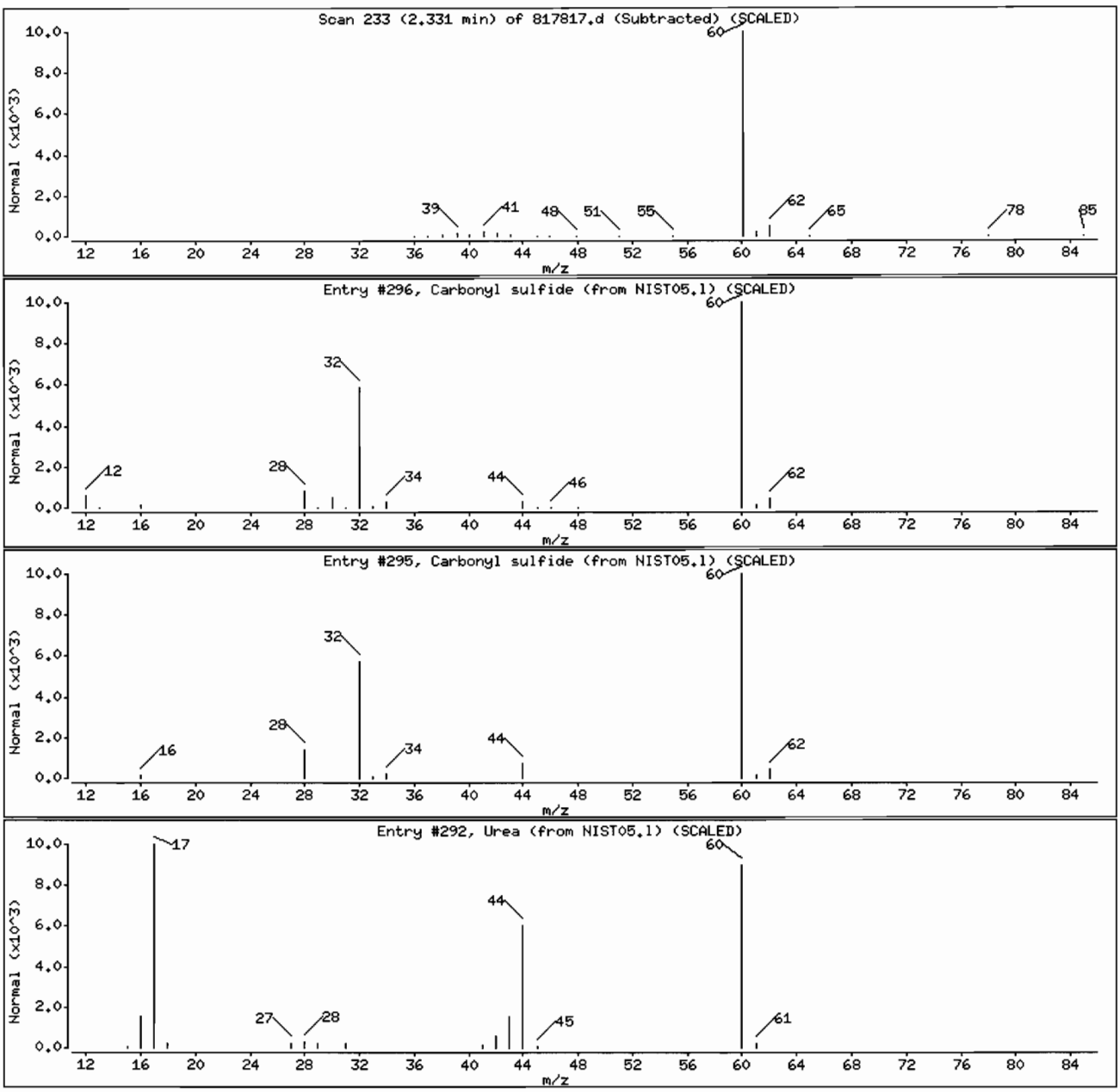
Client ID: SB2GW193-194 Instrument: M.i

Sample Info: ISCO-SB-2-GW193'-194':[ ]01/14/10 @1330(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonyl sulfide	463-58-1	NIST05.l	296	7	COS	60
Carbonyl sulfide	463-58-1	NIST05.l	295	7	COS	60
Urea	57-13-6	NIST05.l	292	5	CH4N2O	60



Data File: /chem/M.i/Msvr.p/maobsmtr.b/817817.d

Date : 21-JAN-2010 20:41

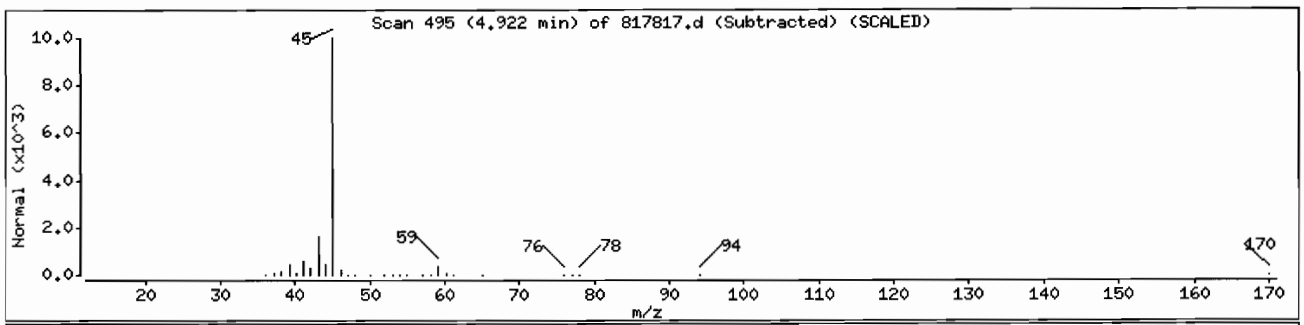
Client ID: SB2GW193-194 Instrument: M.i

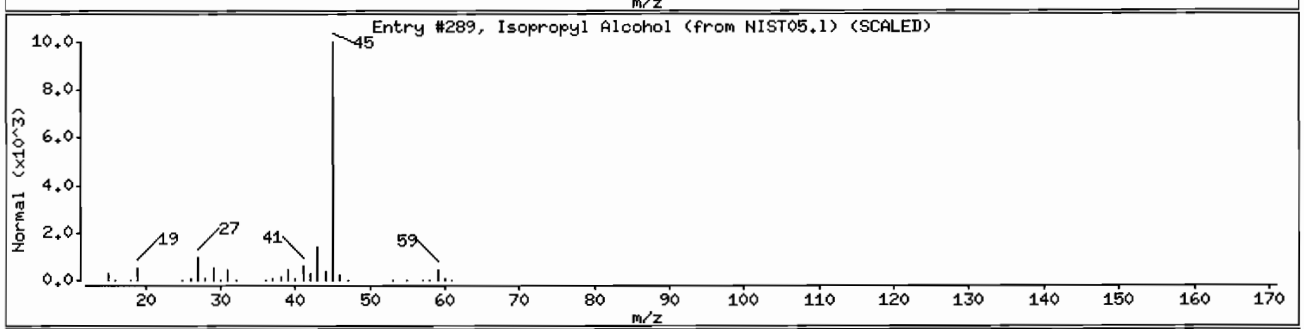
Sample Info: ISCO-SB-2-GW193'-194':[J01/14/10 @1330(WATER)

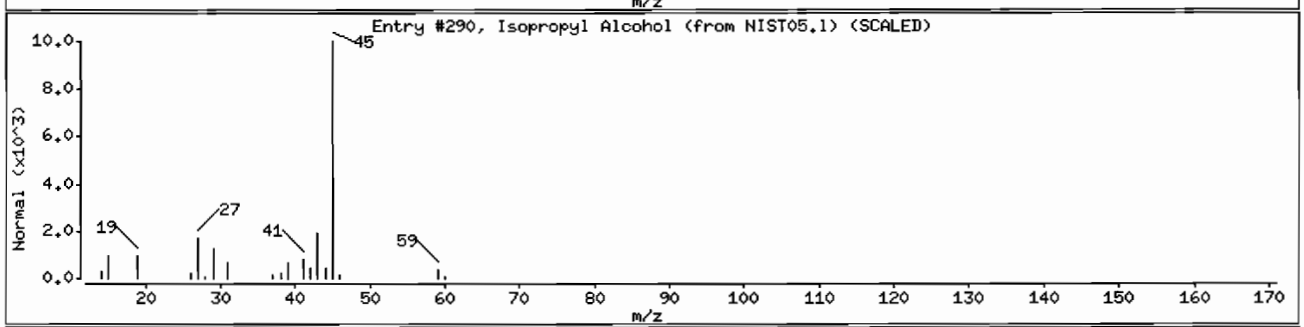
Purge Volume: 25.0 Operator: JP1

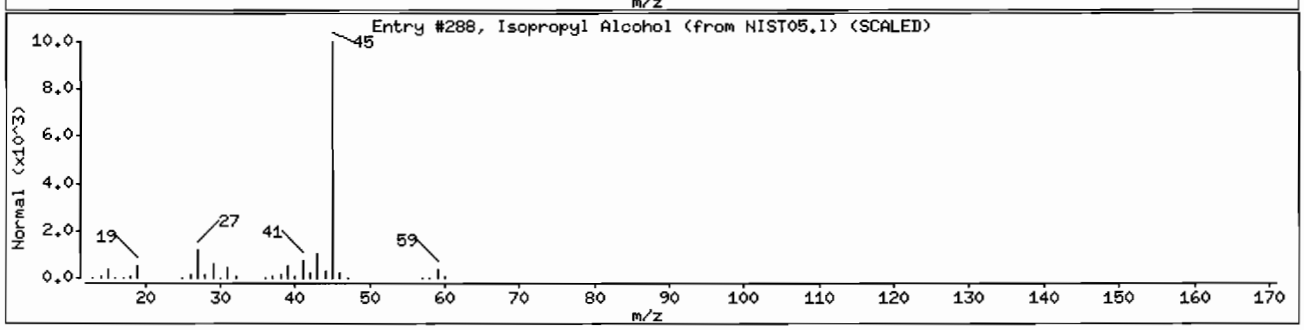
Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Isopropyl Alcohol	67-63-0	NIST05.1	289	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	290	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	288	86	C3H8O	60









Data File: /chem/M.i/Msvr.p/maobsmtr.b/817817.d

Date : 21-JAN-2010 20:41

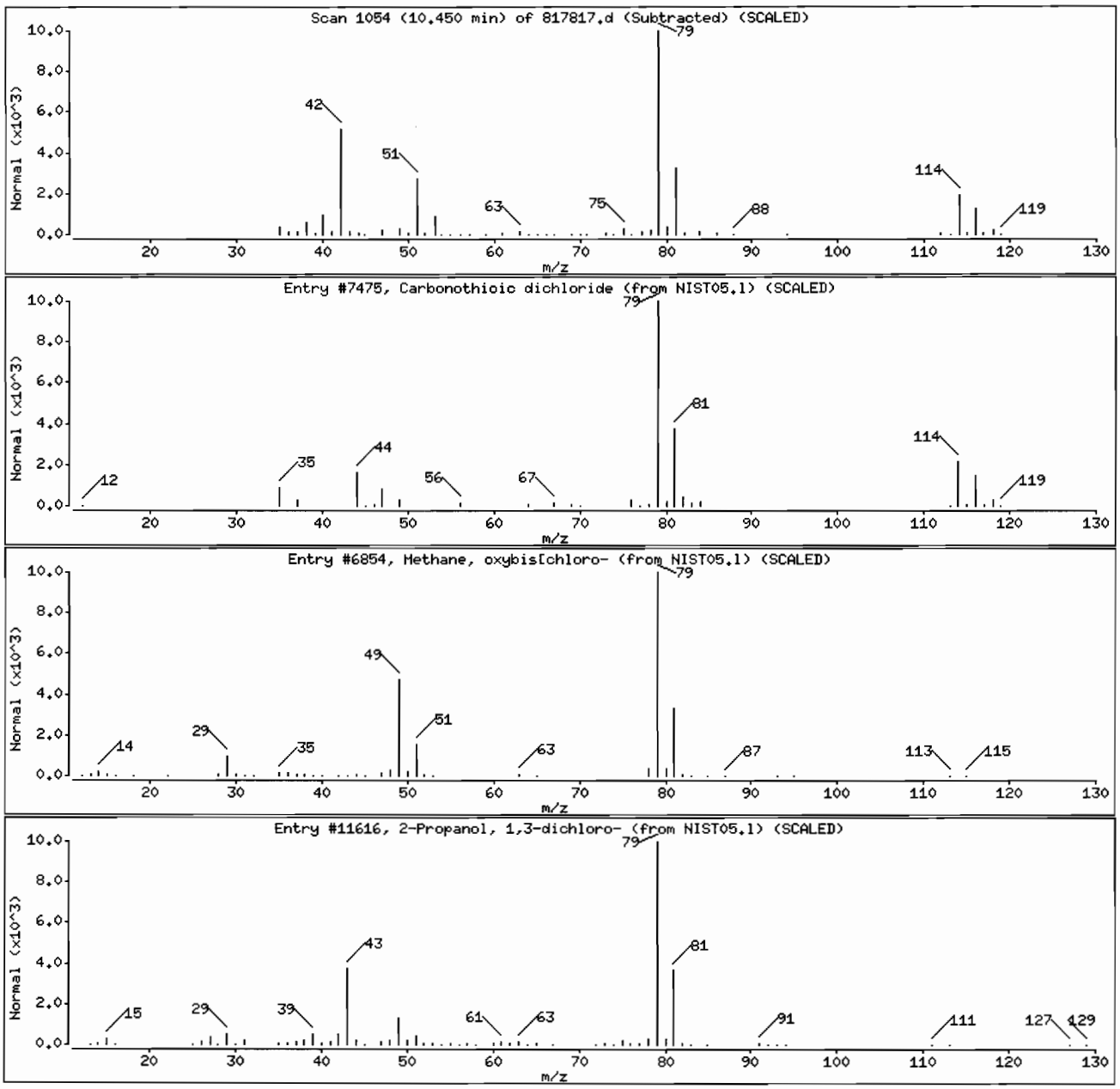
Client ID: SB2GW193-194 Instrument: M.i

Sample Info: ISCO-SB-2-GW193'-194':[ ]01/14/10 @1330(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	49	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.l	6854	37	C2H4Cl2O	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.l	11616	32	C3H6Cl2O	128



Data File: /chem/M.i/Msvr.p/maobsmtr.b/817817.d

Date : 21-JAN-2010 20:41

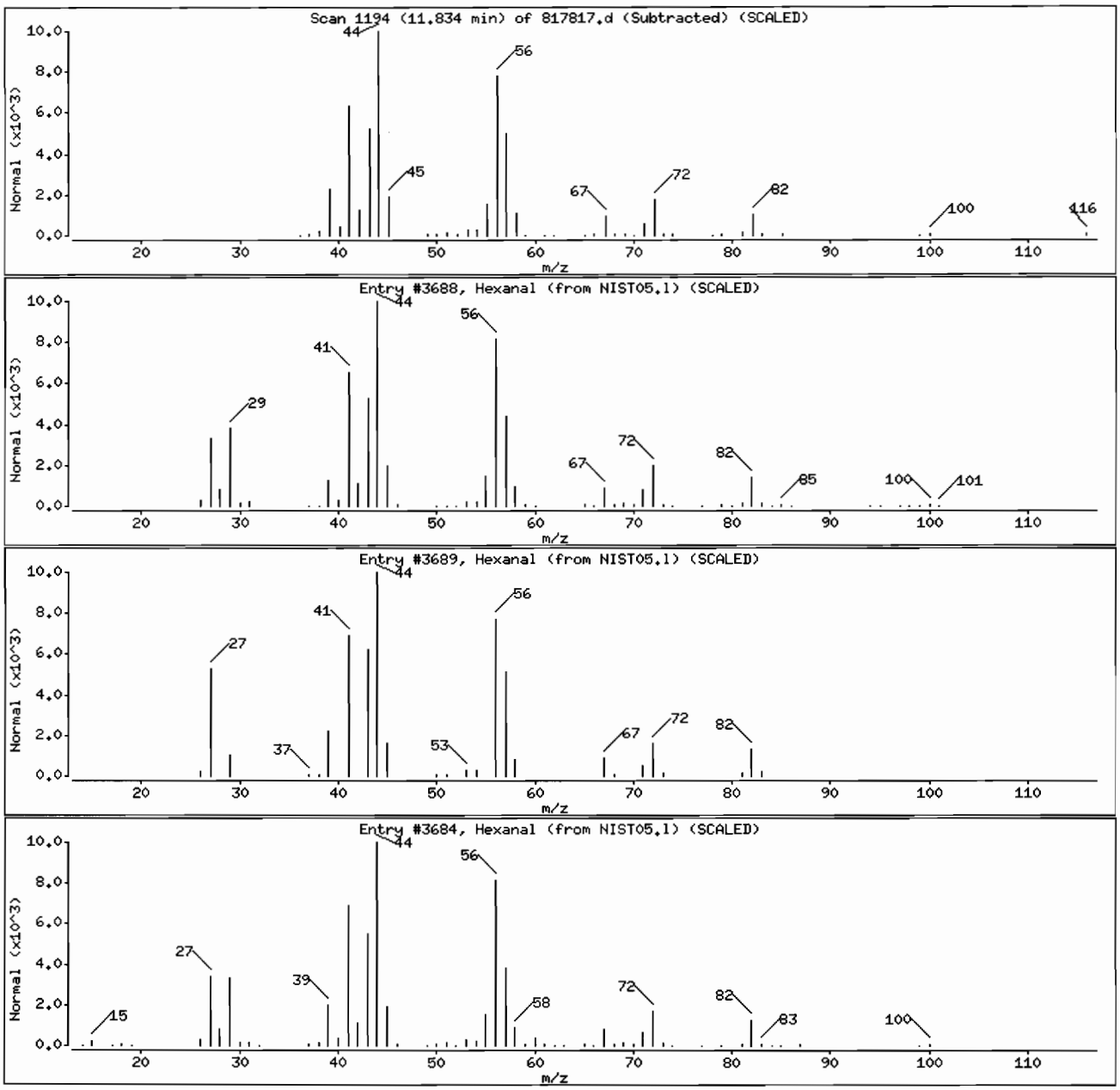
Client ID: SB2GW193-194 Instrument: M.i

Sample Info: ISCO-SB-2-GW193'-194':[ ]01/14/10 @1330(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	NIST05.1	3688	94	C6H12O	100
Hexanal	66-25-1	NIST05.1	3689	83	C6H12O	100
Hexanal	66-25-1	NIST05.1	3684	78	C6H12O	100



Data File: /chem/M.i/Msvr.p/maobsmtr.b/817817.d

Date : 21-JAN-2010 20:41

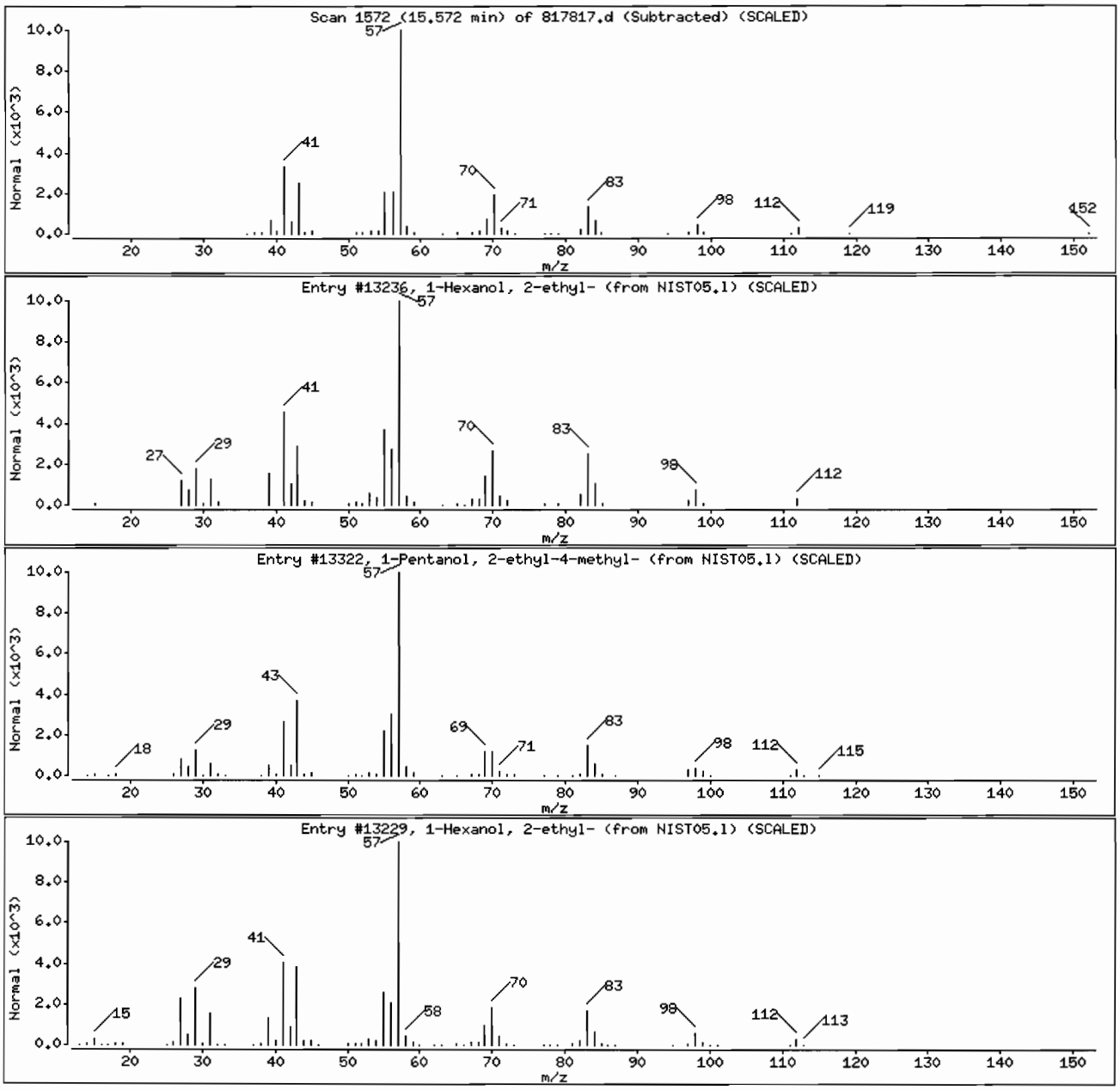
Client ID: SB2GW193-194 Instrument: M.i

Sample Info: ISCO-SB-2-GW193'-194':[ ]01/14/10 @1330(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alcohol						
1-Hexanol, 2-ethyl-	104-76-7	NIST05.l	13236	64	C8H18O	130
1-Pentanol, 2-ethyl-4-methyl-	106-67-2	NIST05.l	13322	64	C8H18O	130
1-Hexanol, 2-ethyl-	104-76-7	NIST05.l	13229	53	C8H18O	130



Data File: /chem/M.i/Msvr.p/maobsmtr.b/817817.d

Date : 21-JAN-2010 20:41

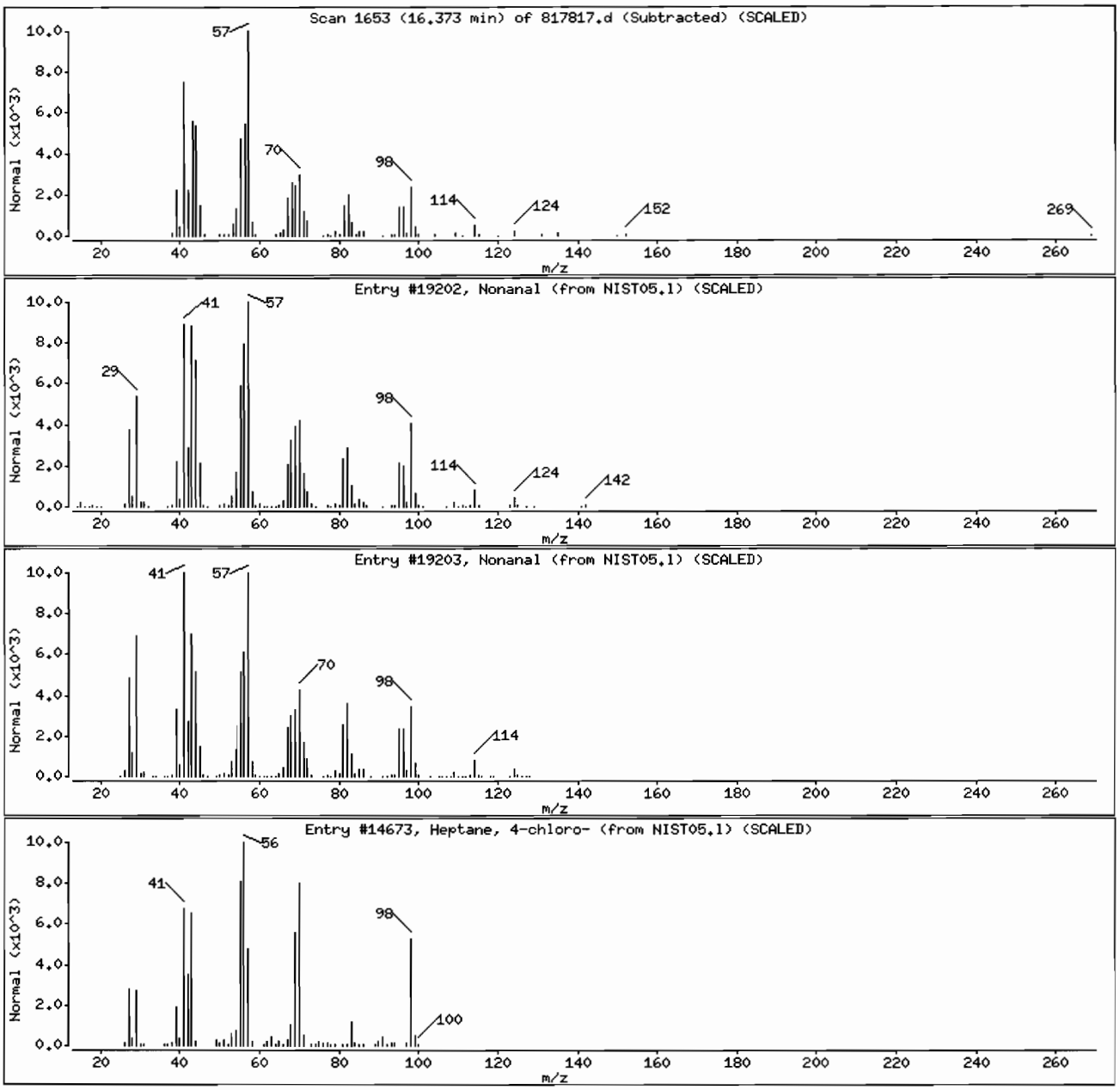
Client ID: SB2GW193-194 Instrument: M.i

Sample Info: ISCO-SB-2-GW193'-194':[J01/14/10 @1330(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Nonanal	124-19-6	NIST05.l	19202	91	C9H18O	142
Nonanal	124-19-6	NIST05.l	19203	58	C9H18O	142
Heptane, 4-chloro-	998-95-8	NIST05.l	14673	35	C7H15Cl	134



Data File: /chem/M.i/Msvr.p/maobsmtr.b/817817.d

Date : 21-JAN-2010 20:41

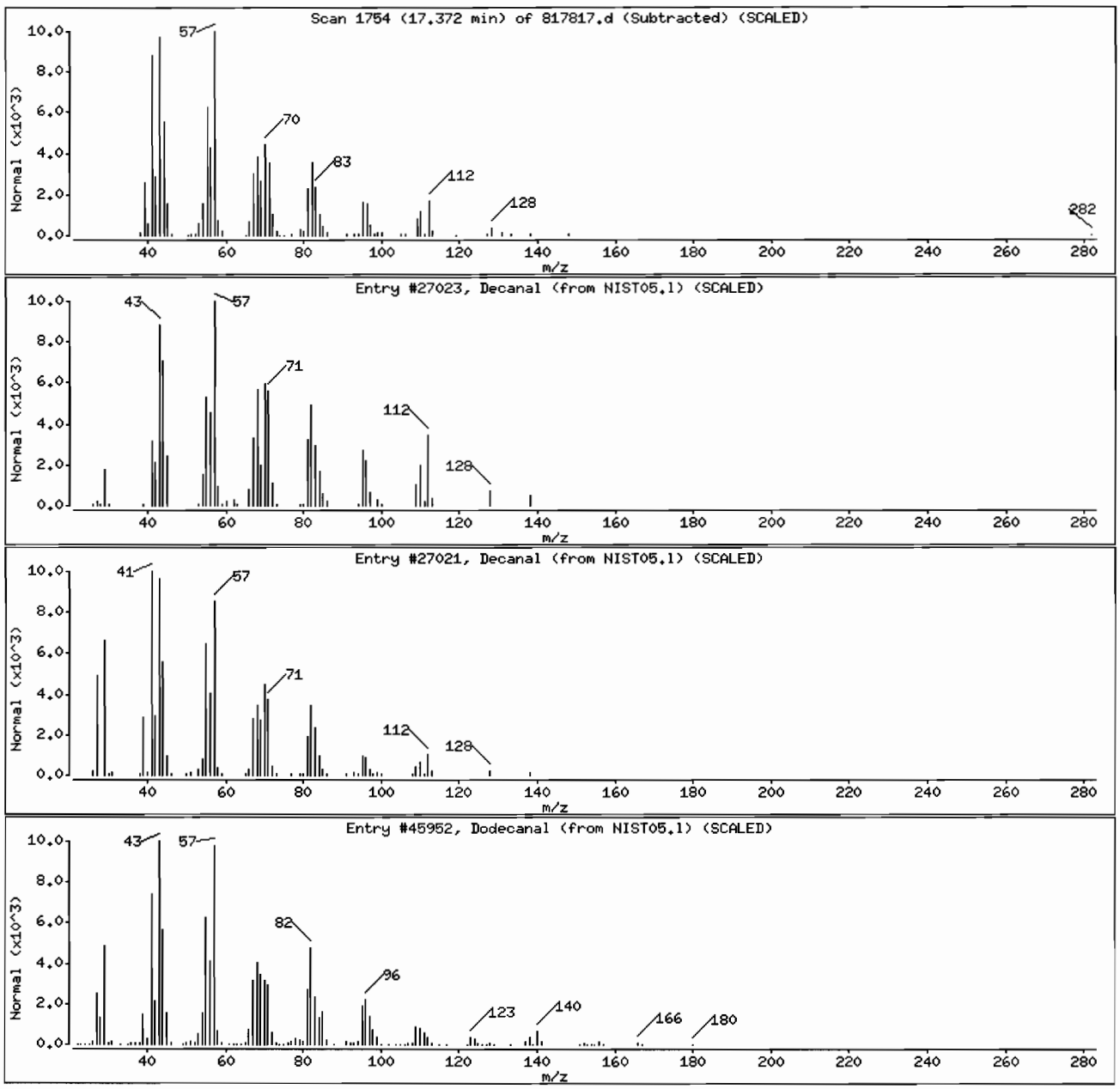
Client ID: SB2GW193-194 Instrument: M.i

Sample Info: ISCO-SB-2-GW193'-194':[ ]01/14/10 @1330(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decanal	112-31-2	NIST05.l	27023	91	C10H20O	156
Decanal	112-31-2	NIST05.l	27021	91	C10H20O	156
Dodecanal	112-54-9	NIST05.l	45952	72	C12H24O	184



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2GW200-201

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817818

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817818

Level: (TRACE/LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	19	
75-15-0	Carbon disulfide	0.37	J
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	2.3	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.49	J
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2GW200-201

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817818

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817818

Level: (TRACE/LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.49	J
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.36	J
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.25	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.32	J
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB2GW200-201

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817818

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817818

Level: (TRACE or LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

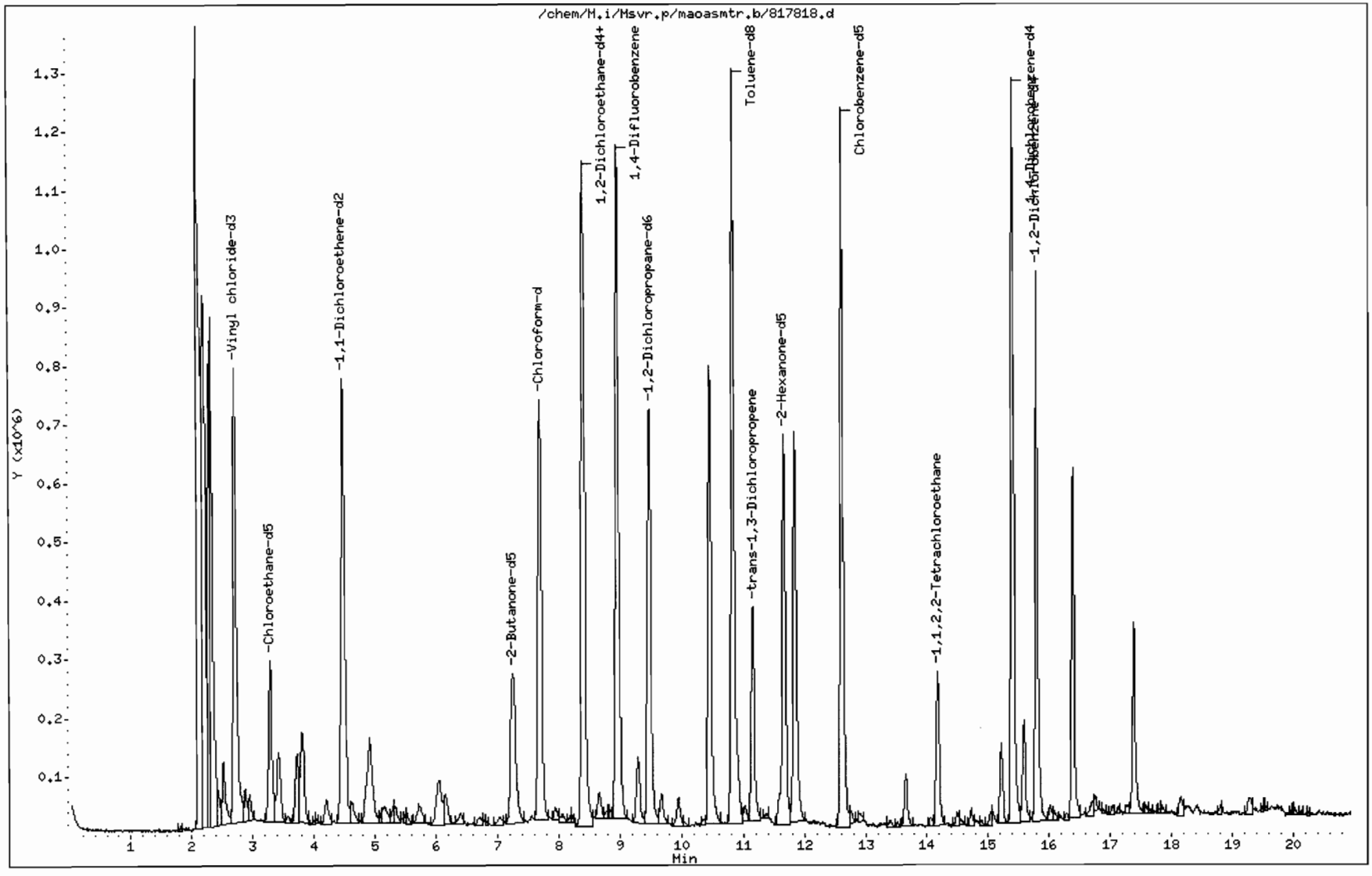
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	115-07-1	Propene	2.29	2.0	NJ
02	109-67-1	1-Pentene	3.72	0.53	NJ
03		Unknown	4.92	1.1	J
04		Unknown	6.05	0.58	J
05		Unknown	10.45	3.3	JXB
06	66-25-1	Hexanal	11.84	3.0	NJ
07	124-13-0	Octanal	15.21	0.53	NJ
08		Unknown alcohol	15.59	0.74	J
09		Unknown	16.39	2.2	J
10	112-31-2	Decanal	17.38	1.3	NJ
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A	1.9	J

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d
Date : 19-JAN-2010 17:44
Client ID: SB2GW200-201
Sample Info: ISCO-SB-2-GW200'-201':[ ]01/14/10 @1500(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: MRV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/817818.d
Lab Smp Id: 817818 Client Smp ID: SB2GW200-201
Inj Date : 19-JAN-2010 17:44
Operator : MRV Inst ID: M.i
Smp Info : ISCO-SB-2-GW200'-201':[ ]01/14/10 @1500(WATER)
Misc Info : 817818,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	2.712	2.720	(0.303)	678760	4.40435	4.4
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	3.285	3.294	(0.367)	560337	4.63341	4.6
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	4.472	4.480	(0.499)	1299800	3.88345	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	4.630	4.629	(0.517)	77283	18.5868	19
	13 Carbon disulfide	76	4.848	4.856	(0.541)	134444	0.36916	0.37(a)
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	7.231	7.229	(0.807)	514407	47.4129	47
	20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	21 2-Butanone	43	7.310	7.308	(0.816)	24181	2.33843	2.3(a)
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	7.686	7.684	(0.858)	1044442	4.68936	4.7(Q)
	24 Chloroform	83	7.715	7.714	(0.861)	102741	0.48595	0.49(a)
	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	8.388	8.386	(0.936)	317360	4.48689	4.5(Q)
$	29 Benzene-d6	84	8.407	8.396	(0.667)	1530992	4.54111	4.5
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	8.961	8.960	(1.000)	1649703	5.00000	
	33 Trichloroethene	95	9.297	9.296	(0.737)	77043	0.49126	0.49(a)
$	34 1,2-Dichloropropane-d6	67	9.485	9.484	(0.752)	715372	4.18589	4.2
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	9.950	9.949	(0.789)	55646	0.35511	0.36(a)
	38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	39 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	40 Toluene-d8	98	10.830	10.829	(0.859)	1589652	4.54546	4.5
	41 Toluene	91	10.909	10.908	(0.865)	89742	0.24503	0.25(a)
$	42 trans-1,3-Dichloropropene-d4	79	11.156	11.145	(0.885)	382900	4.55481	4.6
	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	11.661	11.649	(0.925)	542052	47.7664	48
	47 2-Hexanone	43	Compound Not Detected.					
	48 Dibromochloromethane	129	11.918	11.907	(0.945)	25519	0.31970	0.32(a)
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	12.610	12.599	(1.000)	1215535	5.00000	
	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	14.172	14.161	(1.124)	276503	4.62090	4.6
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	15.398	15.387	(1.000)	578360	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	15.794	15.783	(1.026)	397837	4.48278	4.5
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
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/817818.d
Lab Smp Id: 817818 Client Smp ID: SB2GW200-201
Inj Date : 19-JAN-2010 17:44
Operator : MRV Inst ID: M.i
Smp Info : ISCO-SB-2-GW200'-201':[ ]01/14/10 @1500(WATER)
Misc Info : 817818,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	8.961	4290871	5.000
* 50 Chlorobenzene-d5	12.610	4158944	5.000
* 61 1,4-Dichlorobenzene-d4	15.398	4000482	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Propene				CAS #: 115-07-1			
2.287	1713714	1.99693058	2.0	86	NIST05.1	56	32

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown alkane				CAS #:			
2.524	432007	0.50340189	0.50	0		0	32
Unknown alkane				CAS #:			
3.414	545616	0.63578742	0.64	0		0	32
1-Pentene				CAS #:	109-67-1		
3.720	450729	0.52521807	0.53	90	NIST05.1	539	32
Unknown alkane				CAS #:			
3.799	679647	0.79196891	0.79	0		0	32
Unknown				CAS #:			
4.917	952711	1.11016023	1.1	0		0	32
Unknown				CAS #:			
6.054	498992	0.58145719	0.58	0		0	32
Unknown				CAS #:			
10.454	2811288	3.27589432	3.3	0		0	32
Hexanal				CAS #:	66-25-1		
11.839	2484916	2.98743584	3.0	95	NIST05.1	3688	50
Octanal				CAS #:	124-13-0		
15.211	424417	0.53045669	0.53	90	NIST05.1	12031	61
Unknown alcohol				CAS #:			
15.586	593669	0.74199700	0.74	0		0	61
Unknown				CAS #:			
16.387	1775319	2.21888093	2.2	0		0	61
Decanal				CAS #:	112-31-2		
17.376	1051934	1.31475843	1.3	91	NIST05.1	27023	61

Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d

Date : 19-JAN-2010 17:44

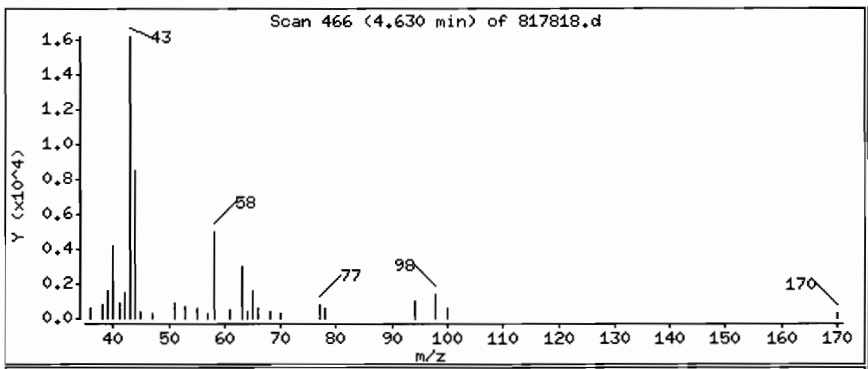
Client ID: SB2GW200-201 Instrument: M.i

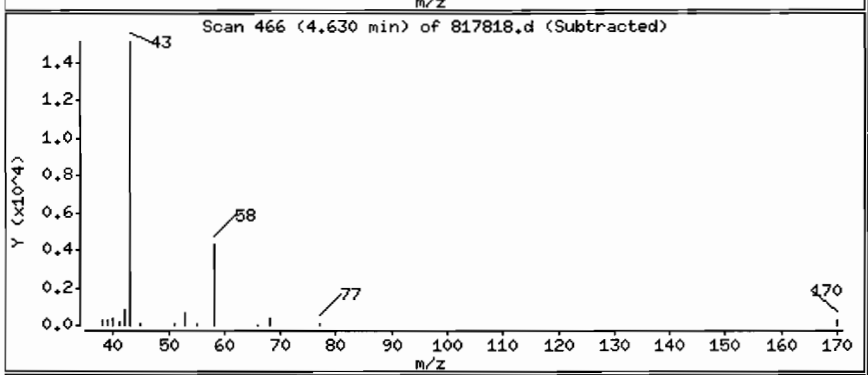
Sample Info: ISCO-SB-2-GW200'-201':[J01/14/10 @1500(WATER)

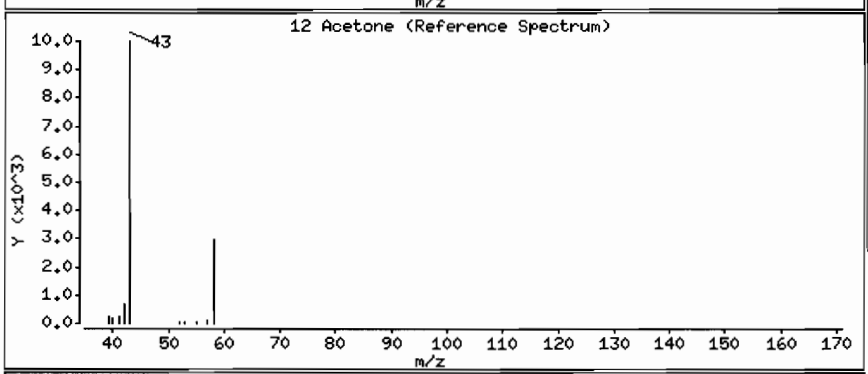
Purge Volume: 25.0 Operator: MRV

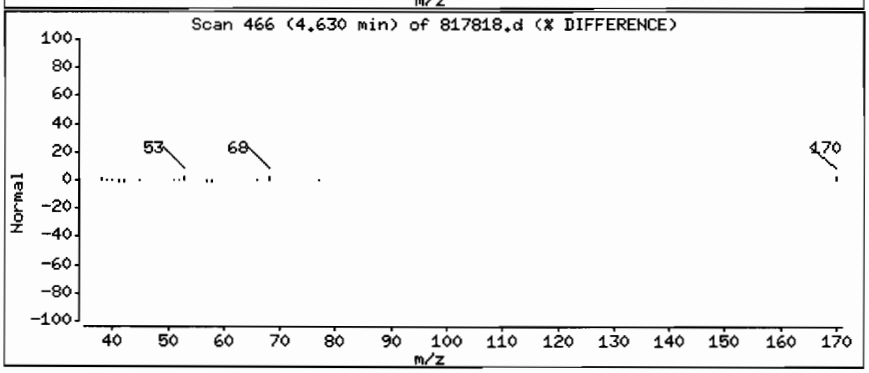
Column phase: DB-624 Column diameter: 0.53

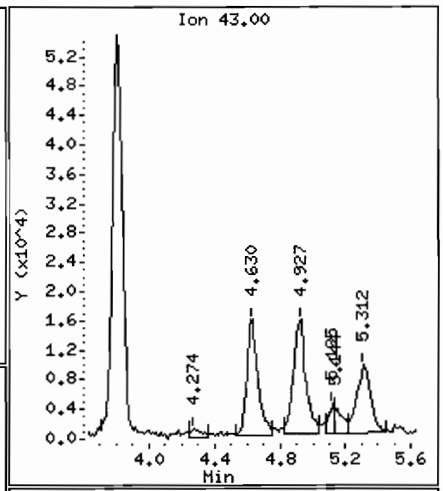
12 Acetone Concentration: 19 ug/L

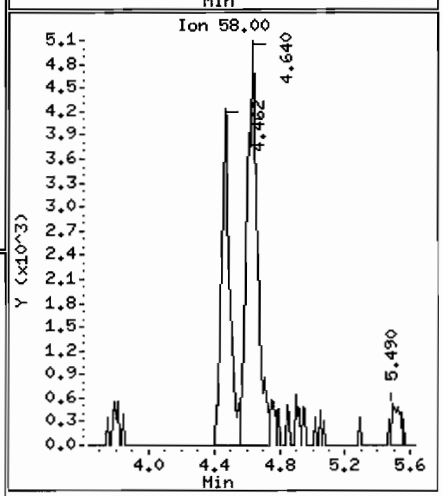












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d

Date : 19-JAN-2010 17:44

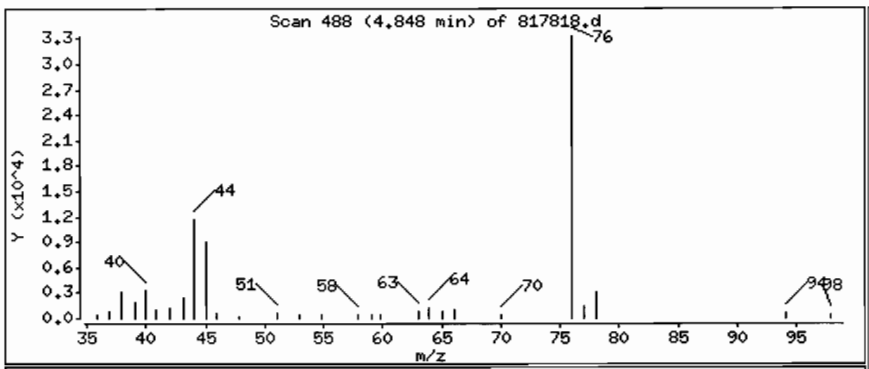
Client ID: SB2GW200-201 Instrument: M.i

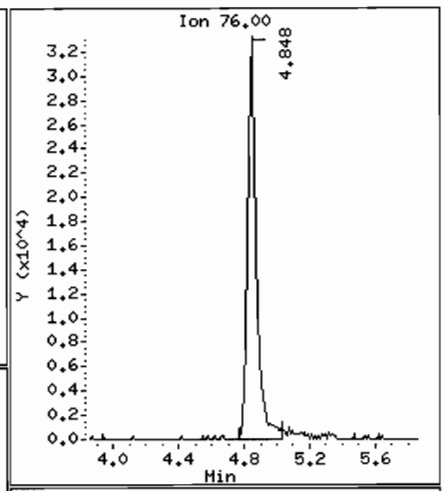
Sample Info: ISCO-SB-2-GW200'-201':[J01/14/10 @1500(WATER)

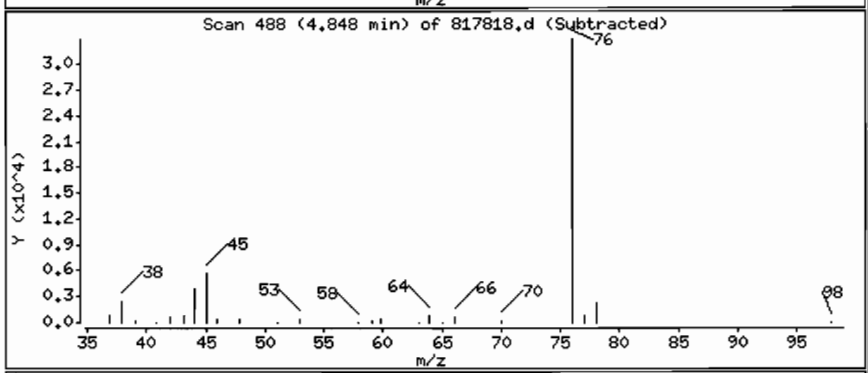
Purge Volume: 25.0 Operator: MRV

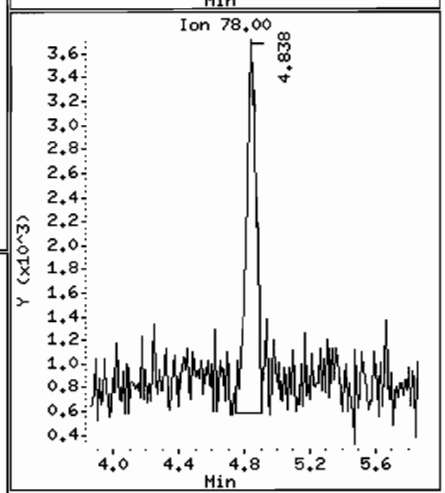
Column phase: DB-624 Column diameter: 0.53

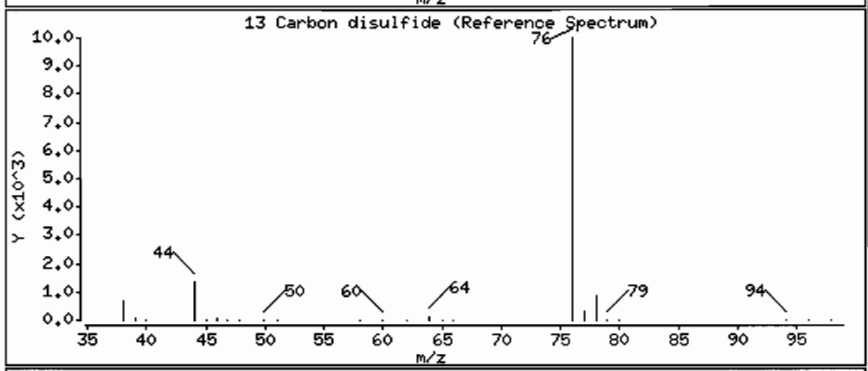
13 Carbon disulfide Concentration: 0.37 ug/L

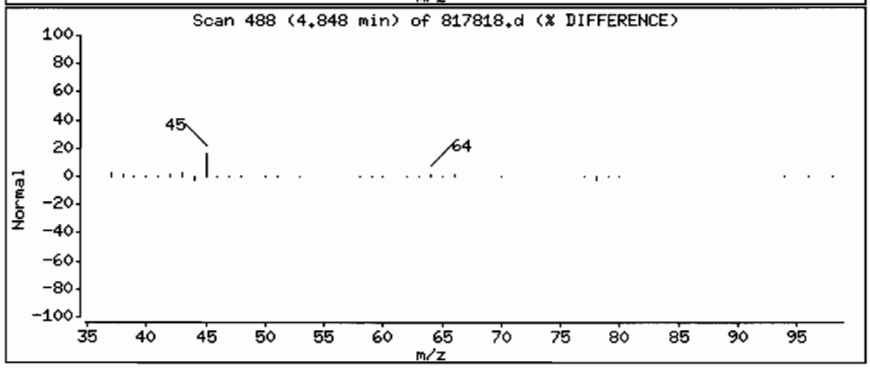












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d

Date : 19-JAN-2010 17:44

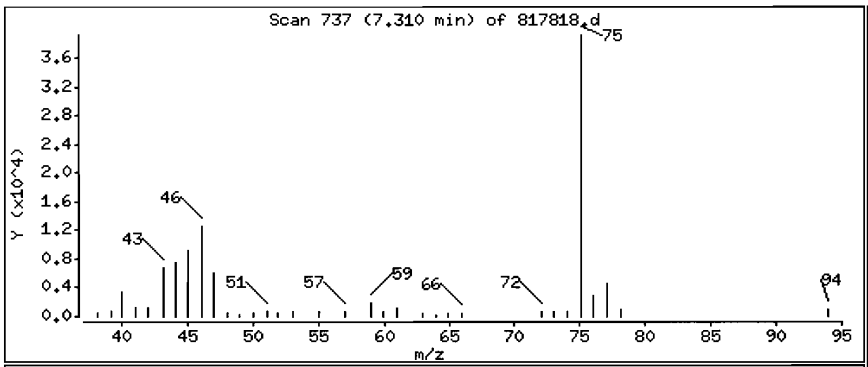
Client ID: SB2GW200-201 Instrument: M.i

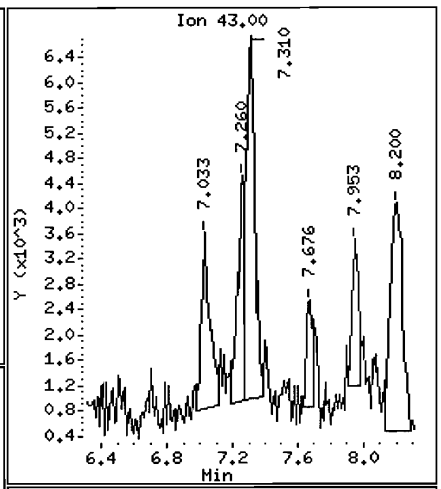
Sample Info: ISCO-SB-2-GW200'-201':[J01/14/10 @1500(WATER)

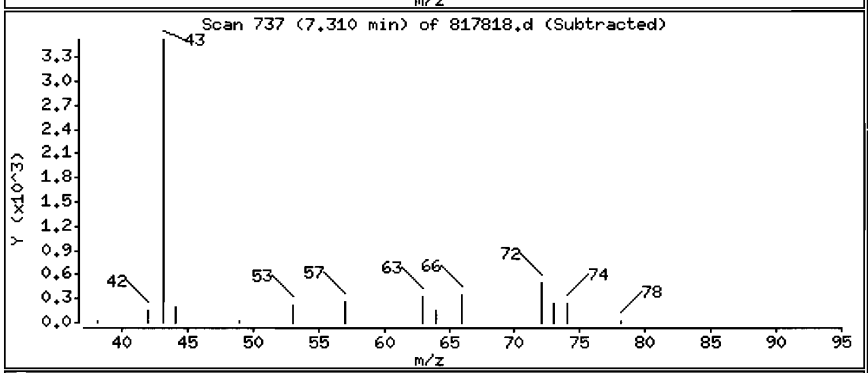
Purge Volume: 25.0 Operator: MRV

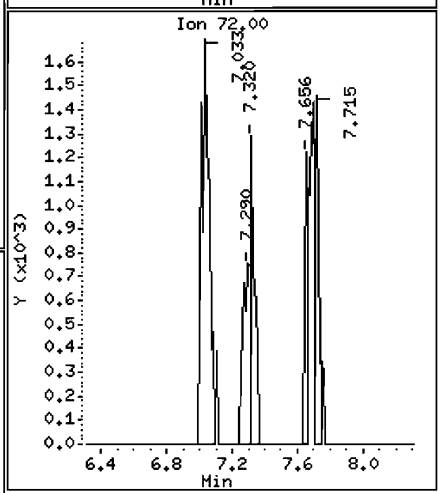
Column phase: DB-624 Column diameter: 0.53

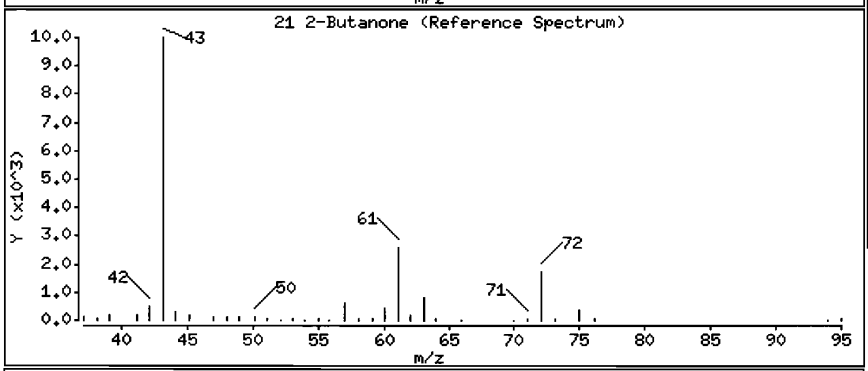
21 2-Butanone Concentration: 2.3 ug/L

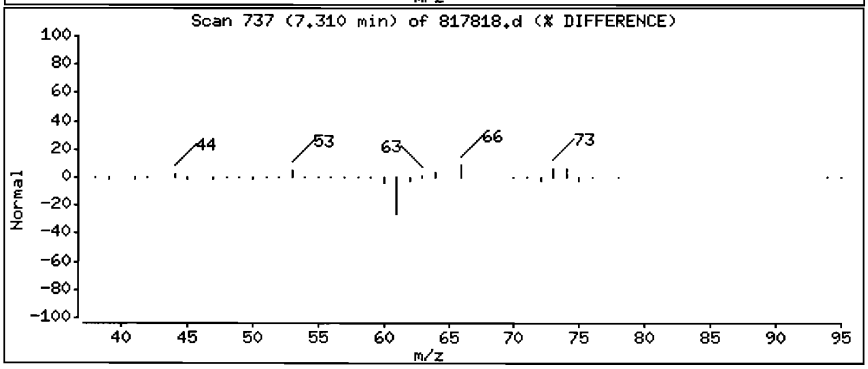












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d

Date : 19-JAN-2010 17:44

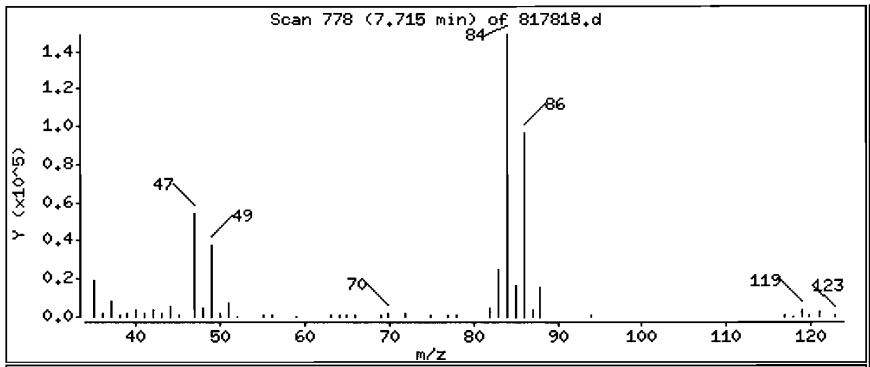
Client ID: SB2GW200-201 Instrument: M.i

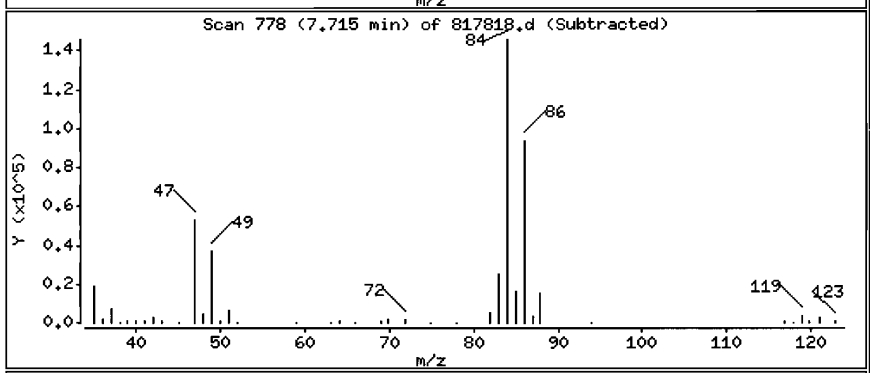
Sample Info: ISCO-SB-2-GW200'-201':[ ]01/14/10 @1500(WATER)

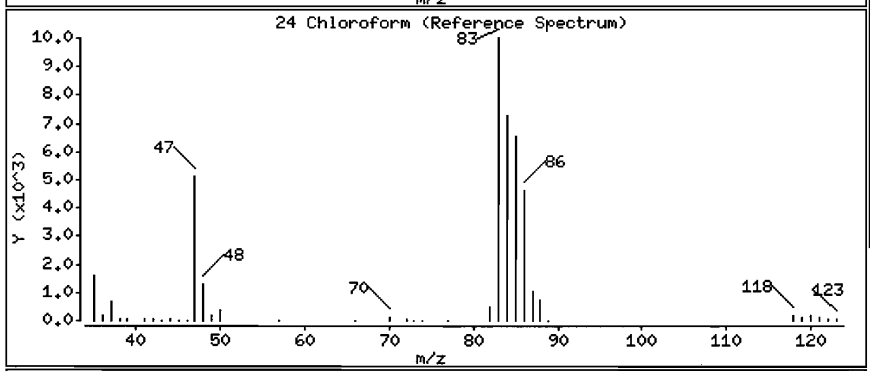
Purge Volume: 25.0 Operator: MRV

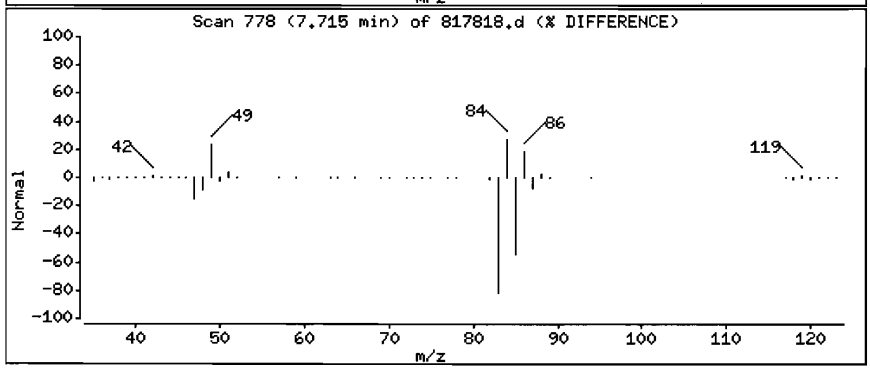
Column phase: DB-624 Column diameter: 0.53

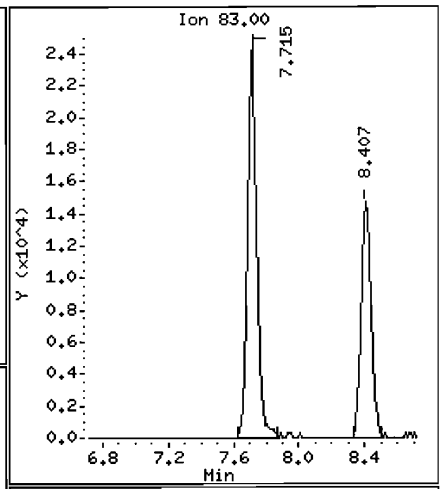
24 Chloroform Concentration: 0.49 ug/L

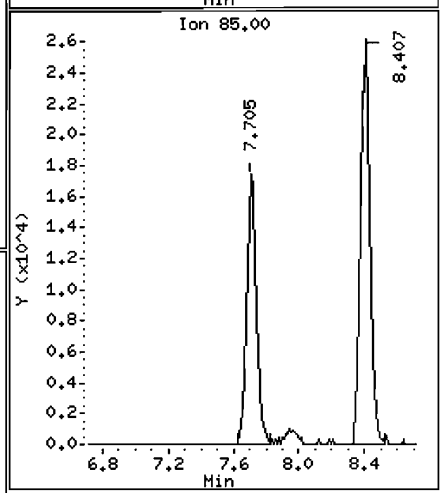












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d

Date : 19-JAN-2010 17:44

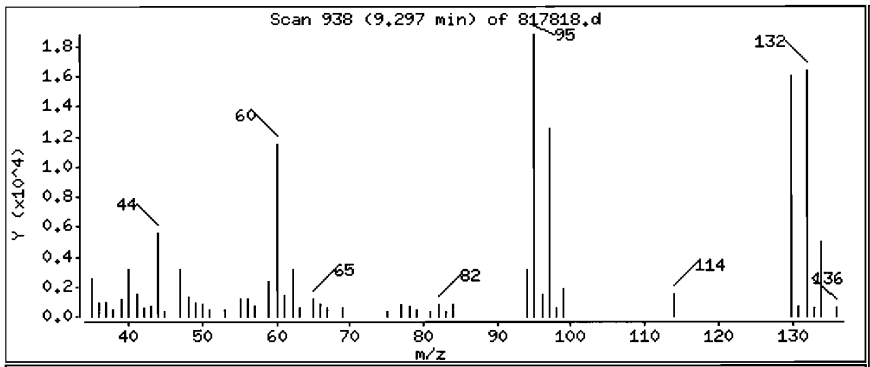
Client ID: SB2GW200-201 Instrument: M.i

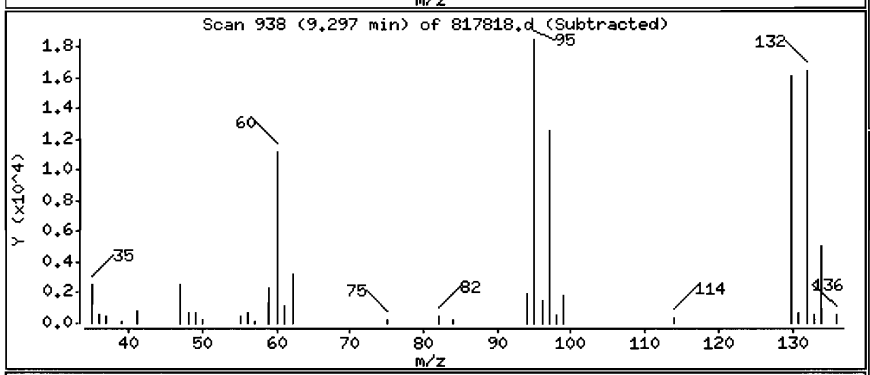
Sample Info: ISCO-SB-2-GW200'-201':[J01/14/10 @1500(WATER)

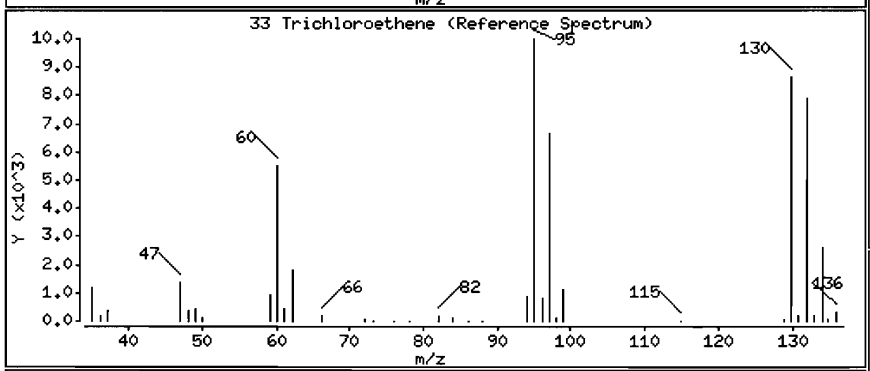
Purge Volume: 25.0 Operator: MRV

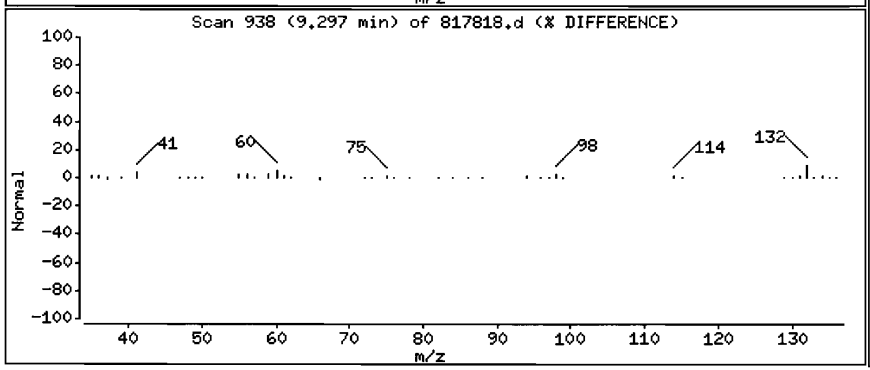
Column phase: DB-624 Column diameter: 0.53

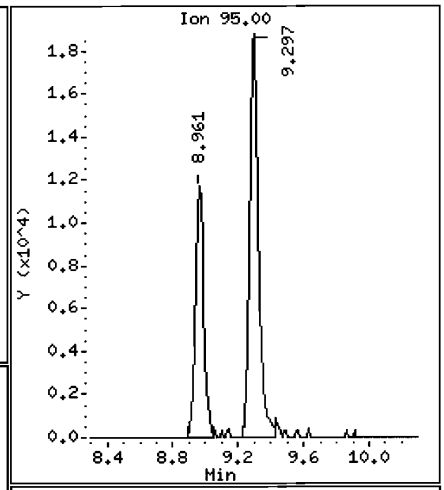
33 Trichloroethene Concentration: 0.49 ug/L

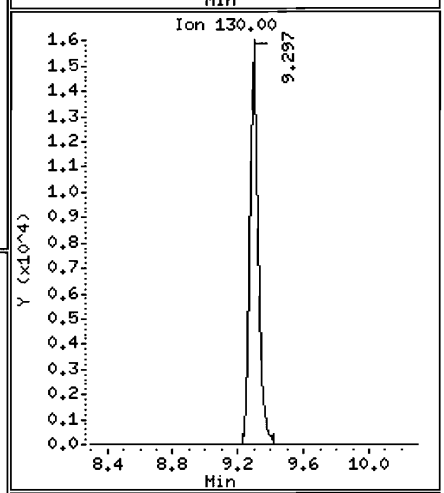


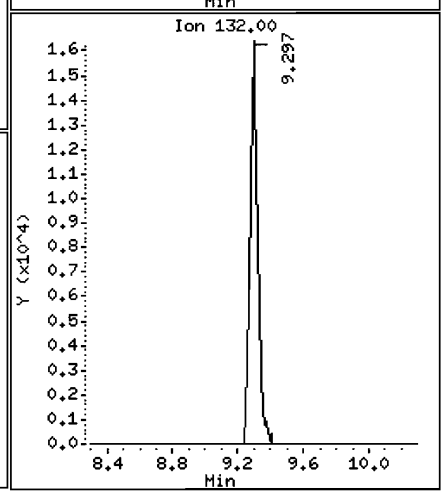












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d

Date : 19-JAN-2010 17:44

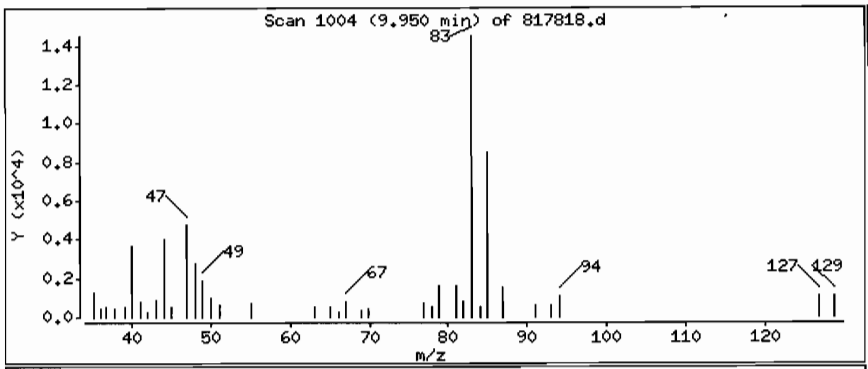
Client ID: SB2GW200-201 Instrument: M.i

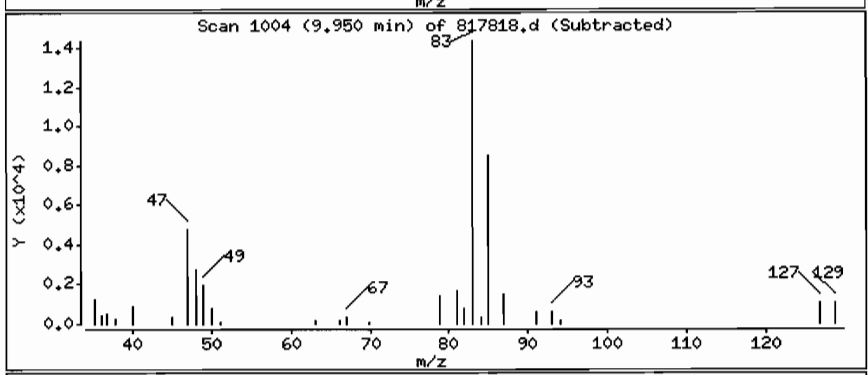
Sample Info: ISCO-SB-2-GW200'-201':[J01/14/10 @1500(WATER)

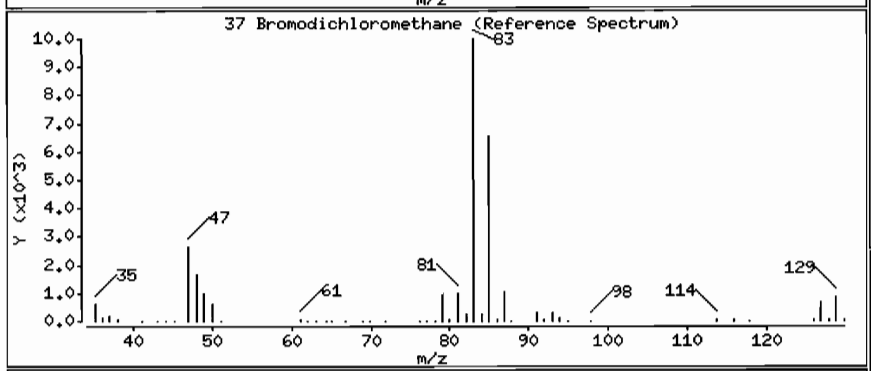
Purge Volume: 25.0 Operator: MRV

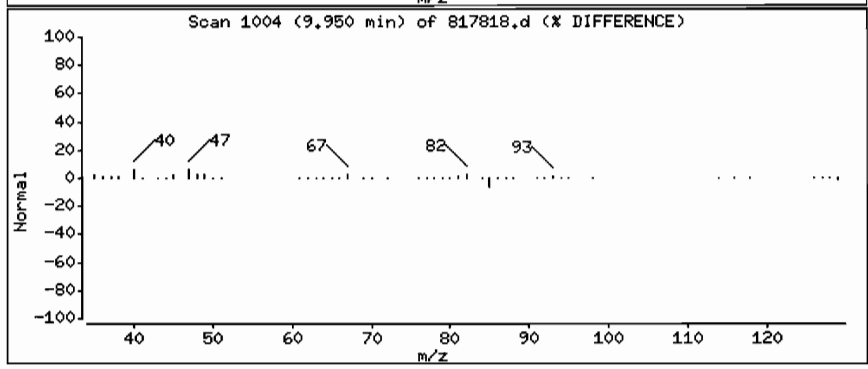
Column phase: DB-624 Column diameter: 0.53

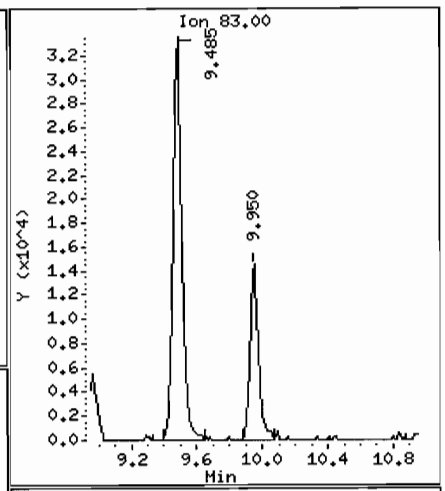
37 Bromodichloromethane Concentration: 0.36 ug/L

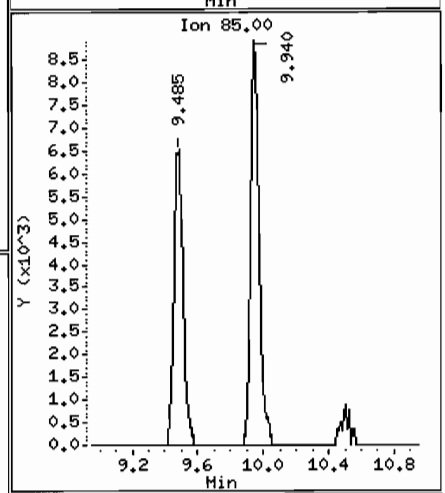


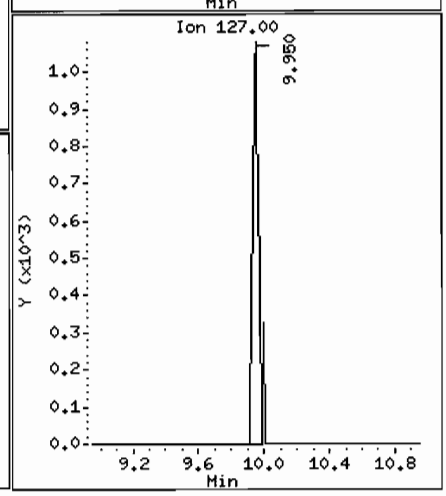












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d

Date : 19-JAN-2010 17:44

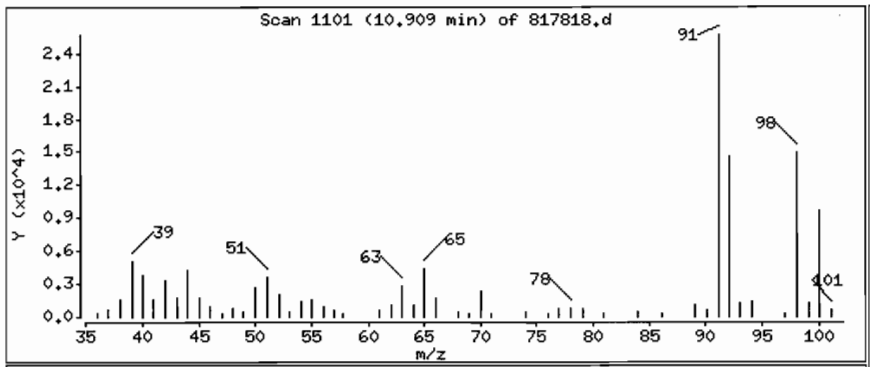
Client ID: SB2GW200-201 Instrument: M.i

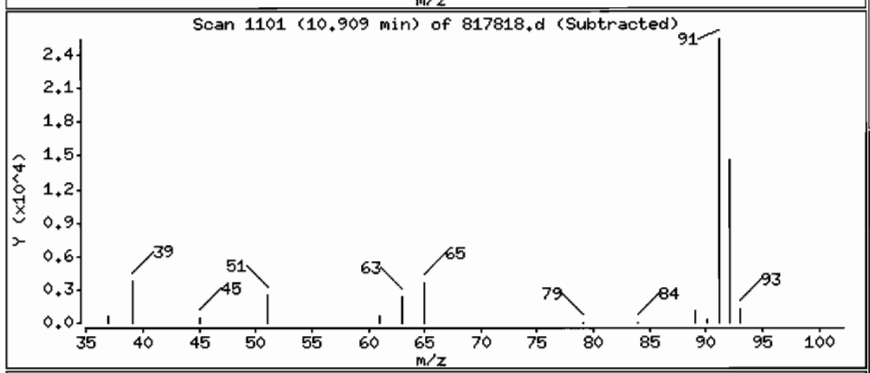
Sample Info: ISCO-SB-2-GW200'-201':[J01/14/10 @1500(WATER)

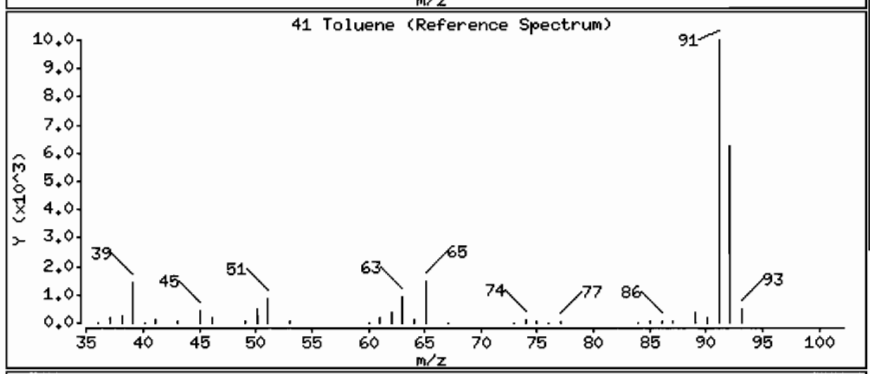
Purge Volume: 25.0 Operator: MRV

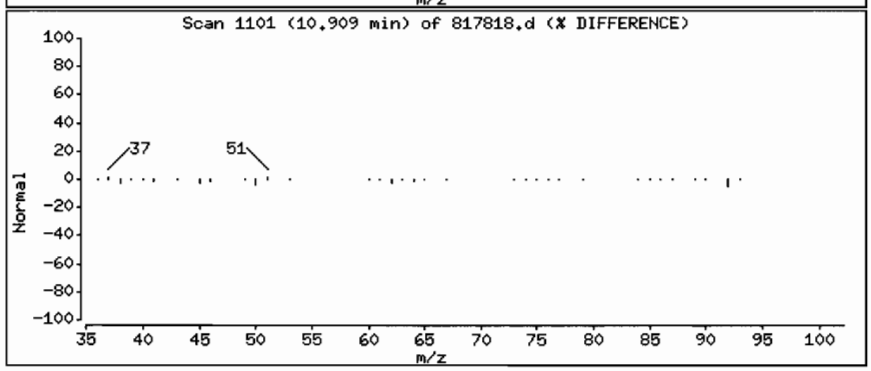
Column phase: DB-624 Column diameter: 0.53

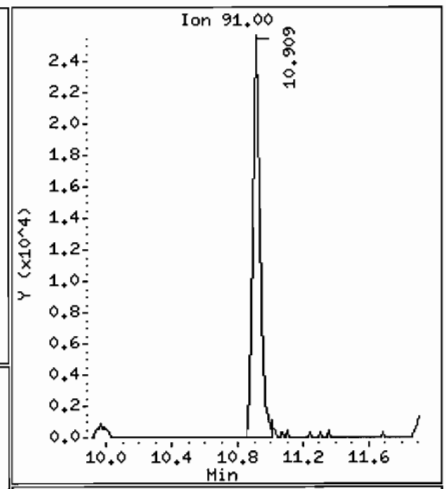
41 Toluene Concentration: 0.25 ug/L

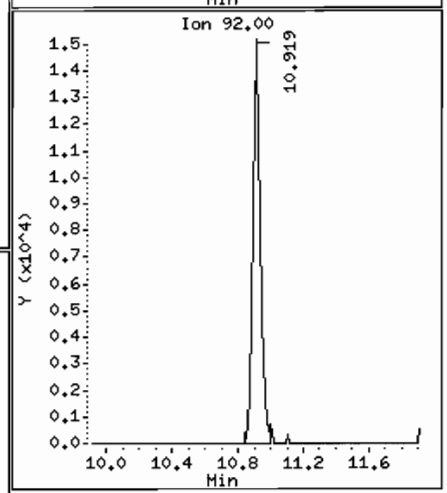












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d

Date : 19-JAN-2010 17:44

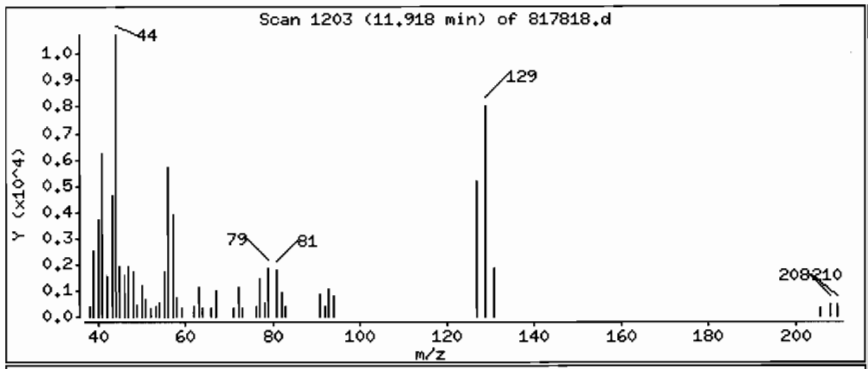
Client ID: SB2GW200-201 Instrument: M.i

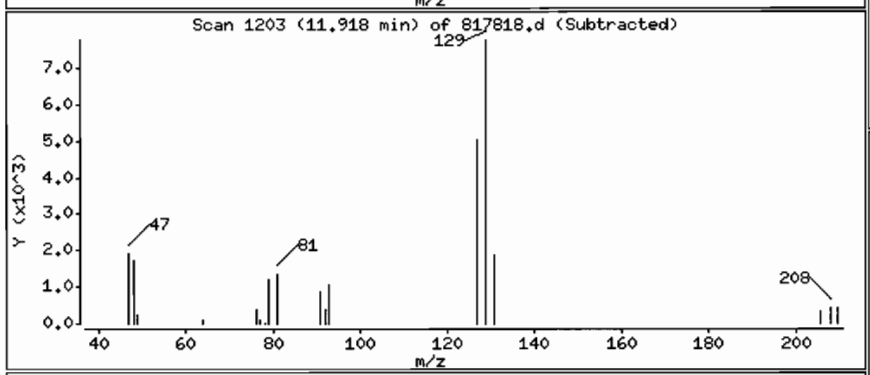
Sample Info: ISCO-SB-2-GW200'-201':[ ]01/14/10 @1500(WATER)

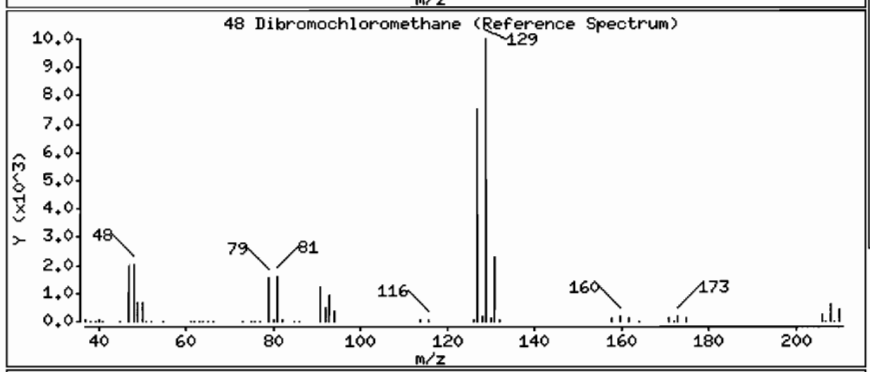
Purge Volume: 25.0 Operator: MRV

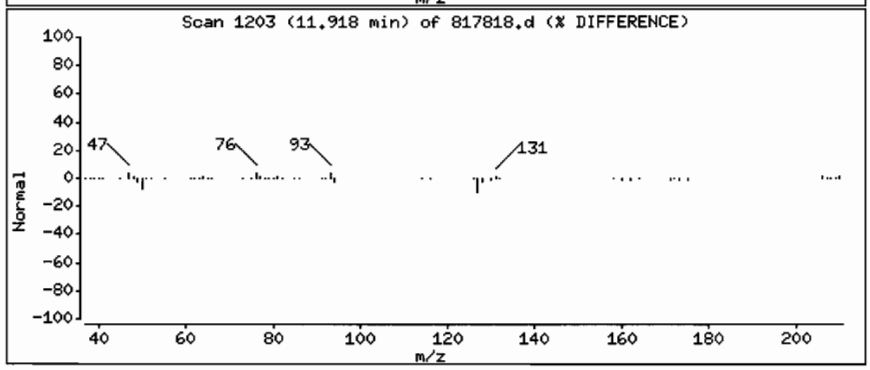
Column phase: DB-624 Column diameter: 0.53

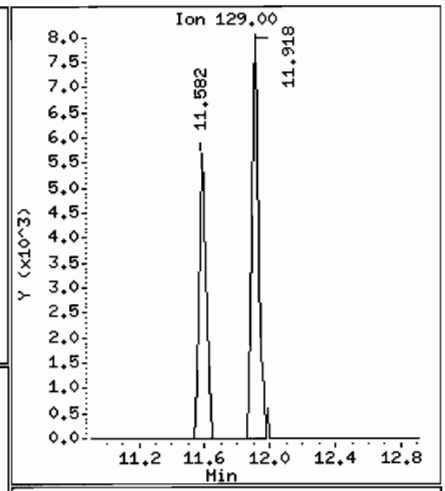
48 Dibromochloromethane Concentration: 0.32 ug/L

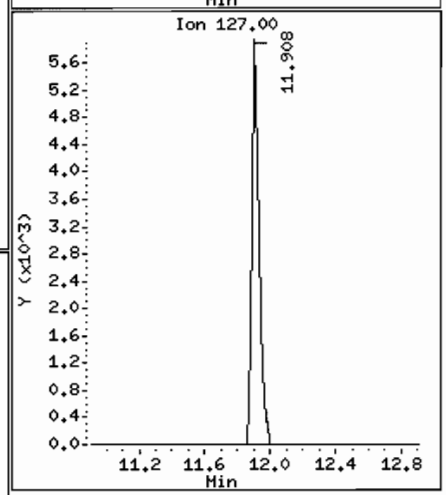












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d

Date : 19-JAN-2010 17:44

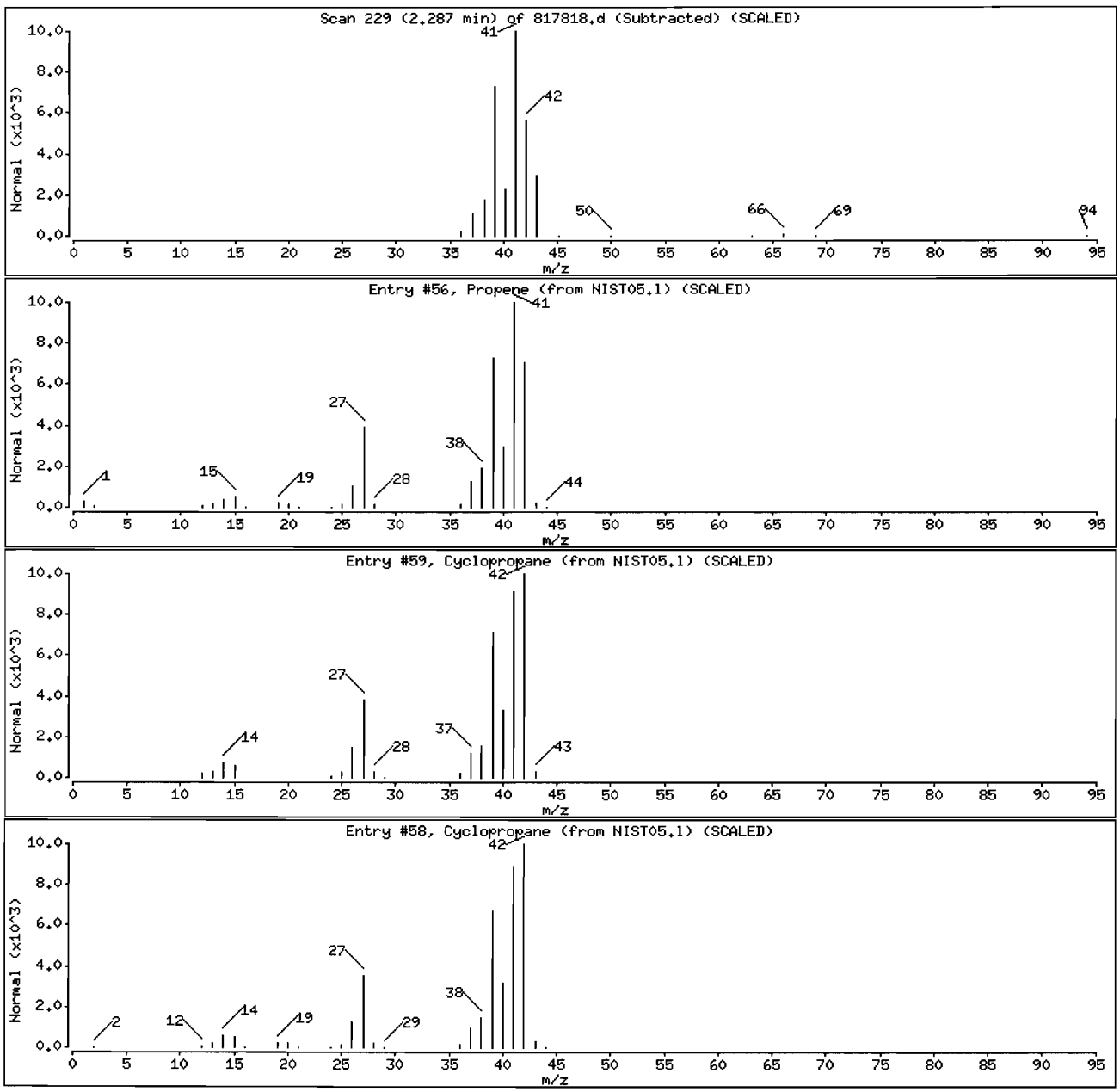
Client ID: SB2GW200-201 Instrument: M.i

Sample Info: ISCO-SB-2-GW200'-201':[ ]01/14/10 @1500(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Propene	115-07-1	NIST05.1	56	86	C3H6	42
Cyclopropane	75-19-4	NIST05.1	59	78	C3H6	42
Cyclopropane	75-19-4	NIST05.1	58	72	C3H6	42



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d

Date : 19-JAN-2010 17:44

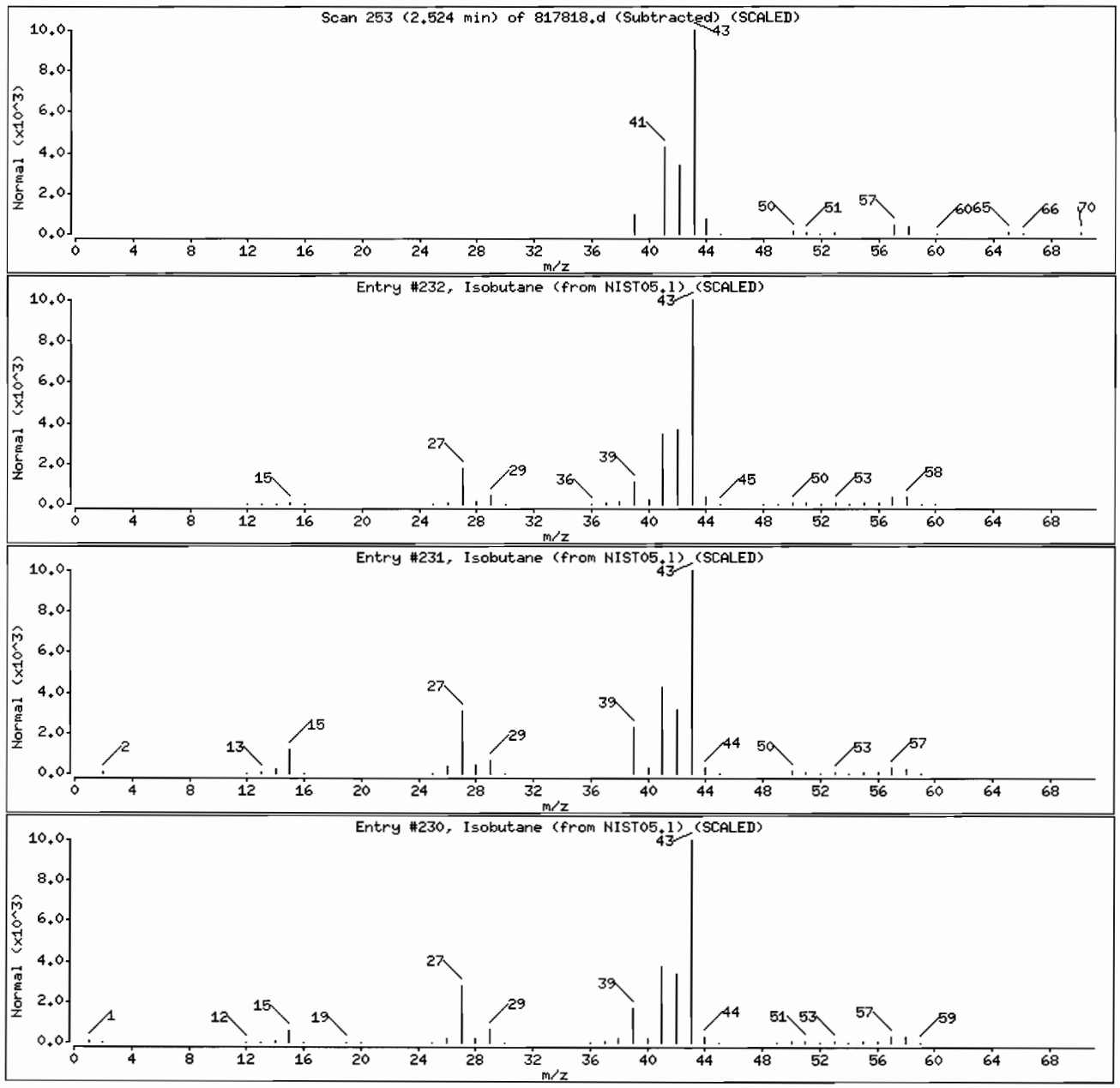
Client ID: SB2GW200-201 Instrument: M.i

Sample Info: ISCO-SB-2-GW200'-201':[ ]01/14/10 @1500(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Isobutane	75-28-5	NIST05.l	232	64	C4H10	58
Isobutane	75-28-5	NIST05.l	231	50	C4H10	58
Isobutane	75-28-5	NIST05.l	230	9	C4H10	58



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d

Date : 19-JAN-2010 17:44

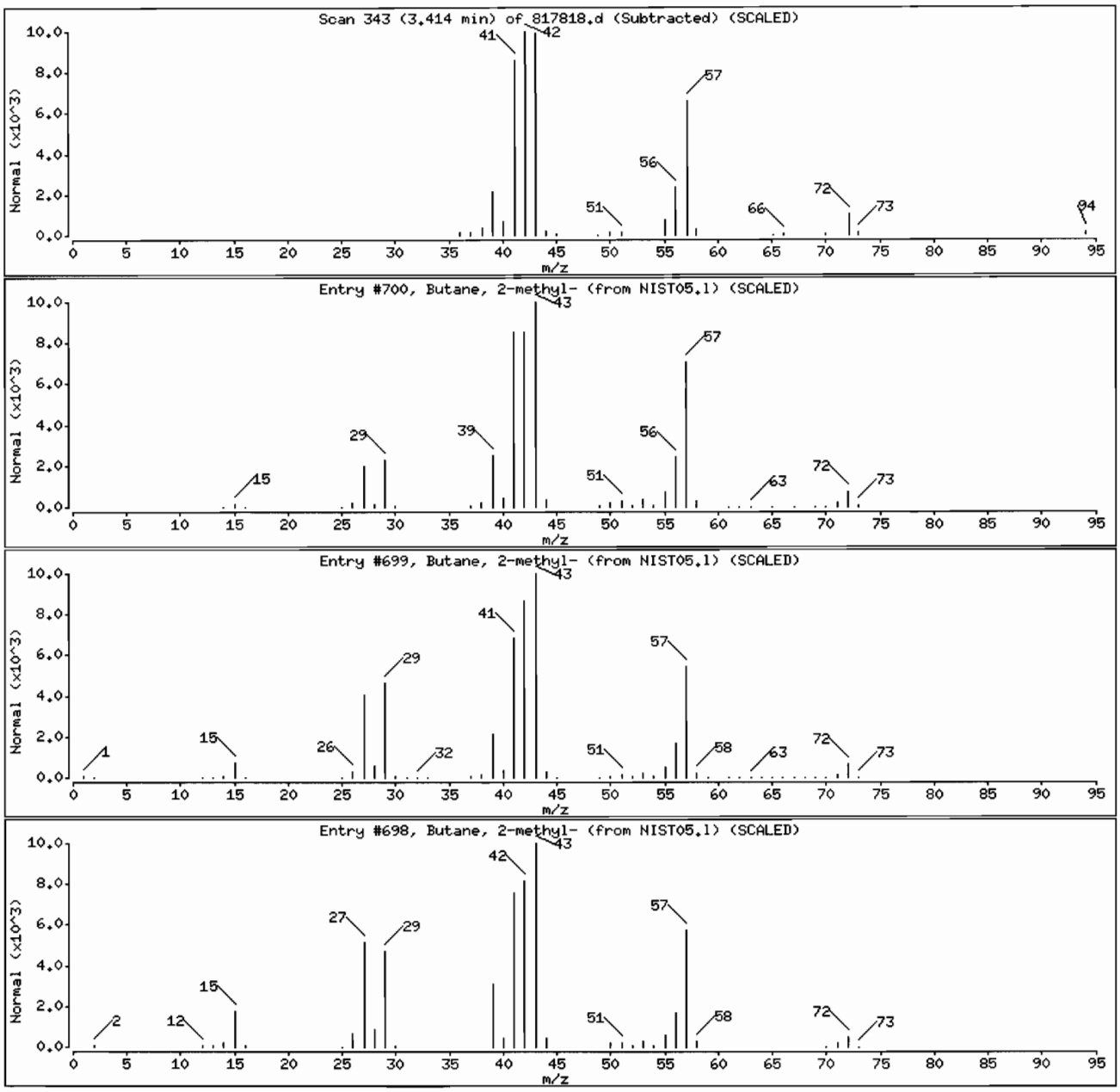
Client ID: SB2GW200-201 Instrument: M.i

Sample Info: ISCO-SB-2-GW200'-201':[J01/14/10 @1500(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Butane, 2-methyl-	78-78-4	NIST05.l	700	91	C5H12	72
Butane, 2-methyl-	78-78-4	NIST05.l	699	90	C5H12	72
Butane, 2-methyl-	78-78-4	NIST05.l	698	90	C5H12	72



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d

Date : 19-JAN-2010 17:44

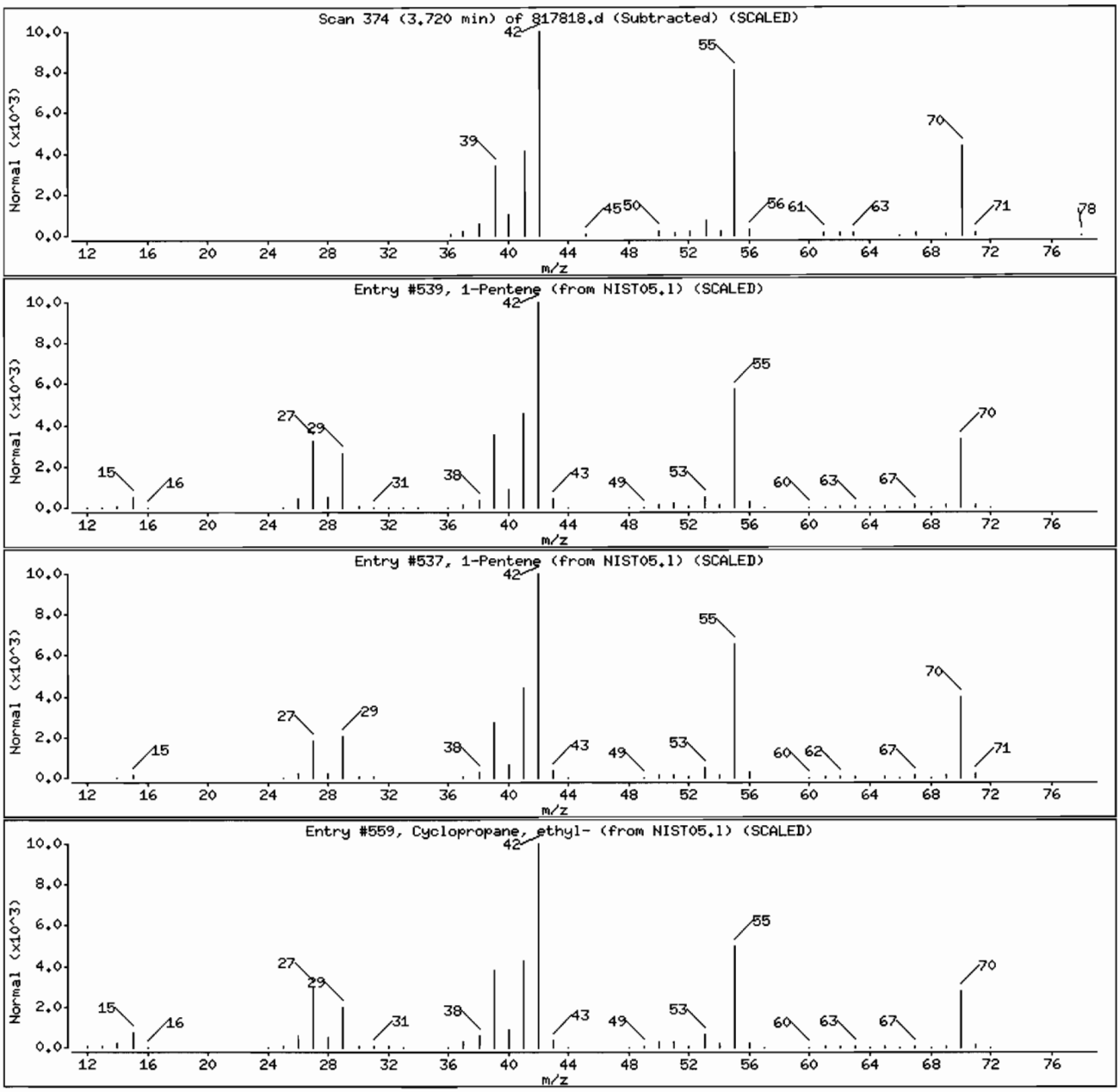
Client ID: SB2GW200-201 Instrument: M.i

Sample Info: ISCO-SB-2-GW200'-201':[J01/14/10 @1500(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Pentene	109-67-1	NIST05.l	539	90	C5H10	70
1-Pentene	109-67-1	NIST05.l	537	86	C5H10	70
Cyclopropane, ethyl-	1191-96-4	NIST05.l	559	86	C5H10	70



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d

Date : 19-JAN-2010 17:44

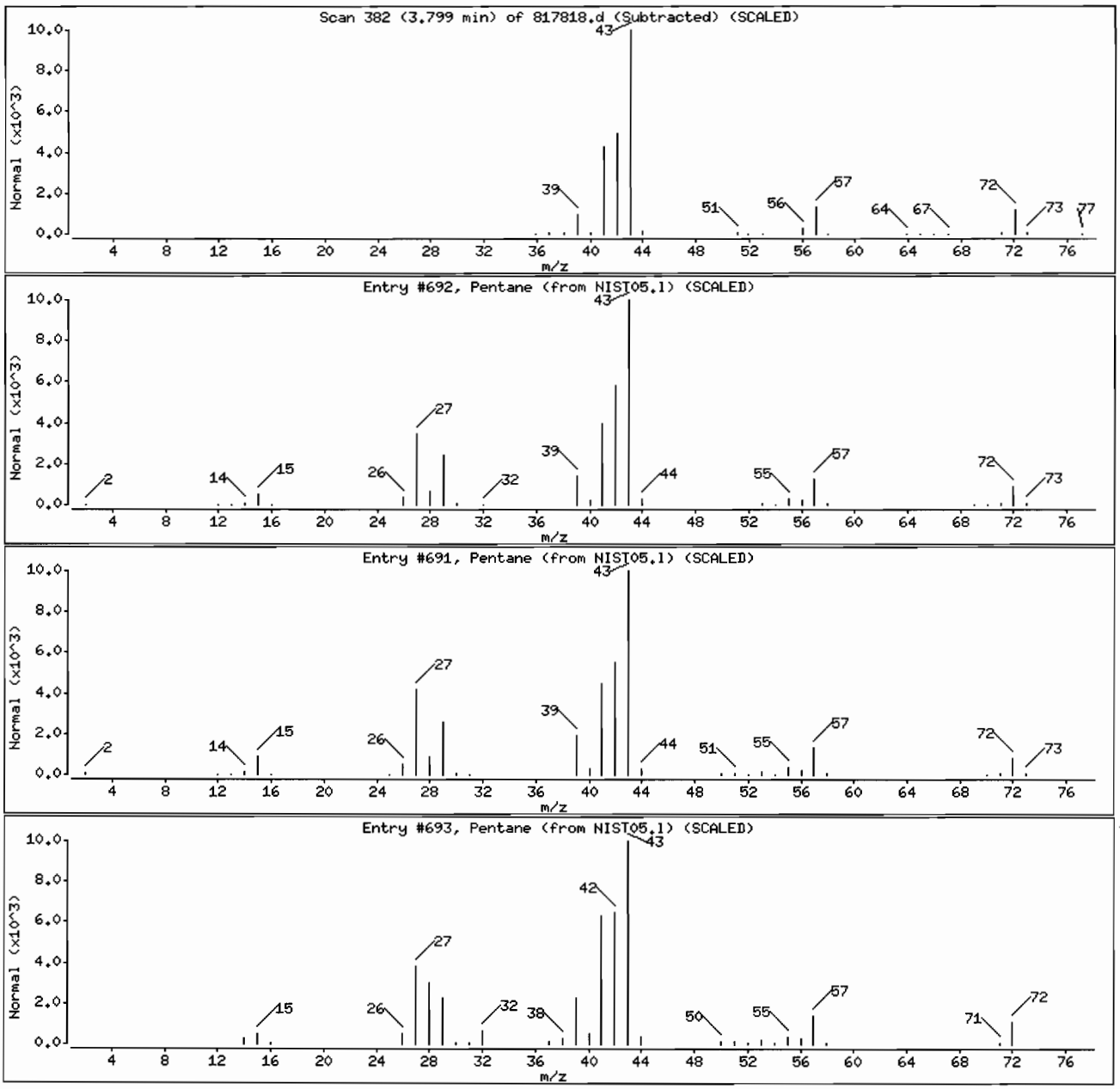
Client ID: SB2GW200-201 Instrument: M.i

Sample Info: ISCO-SB-2-GW200'-201':[ ]01/14/10 @1500(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Pentane	109-66-0	NIST05.1	692	78	C5H12	72
Pentane	109-66-0	NIST05.1	691	78	C5H12	72
Pentane	109-66-0	NIST05.1	693	64	C5H12	72



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d

Date : 19-JAN-2010 17:44

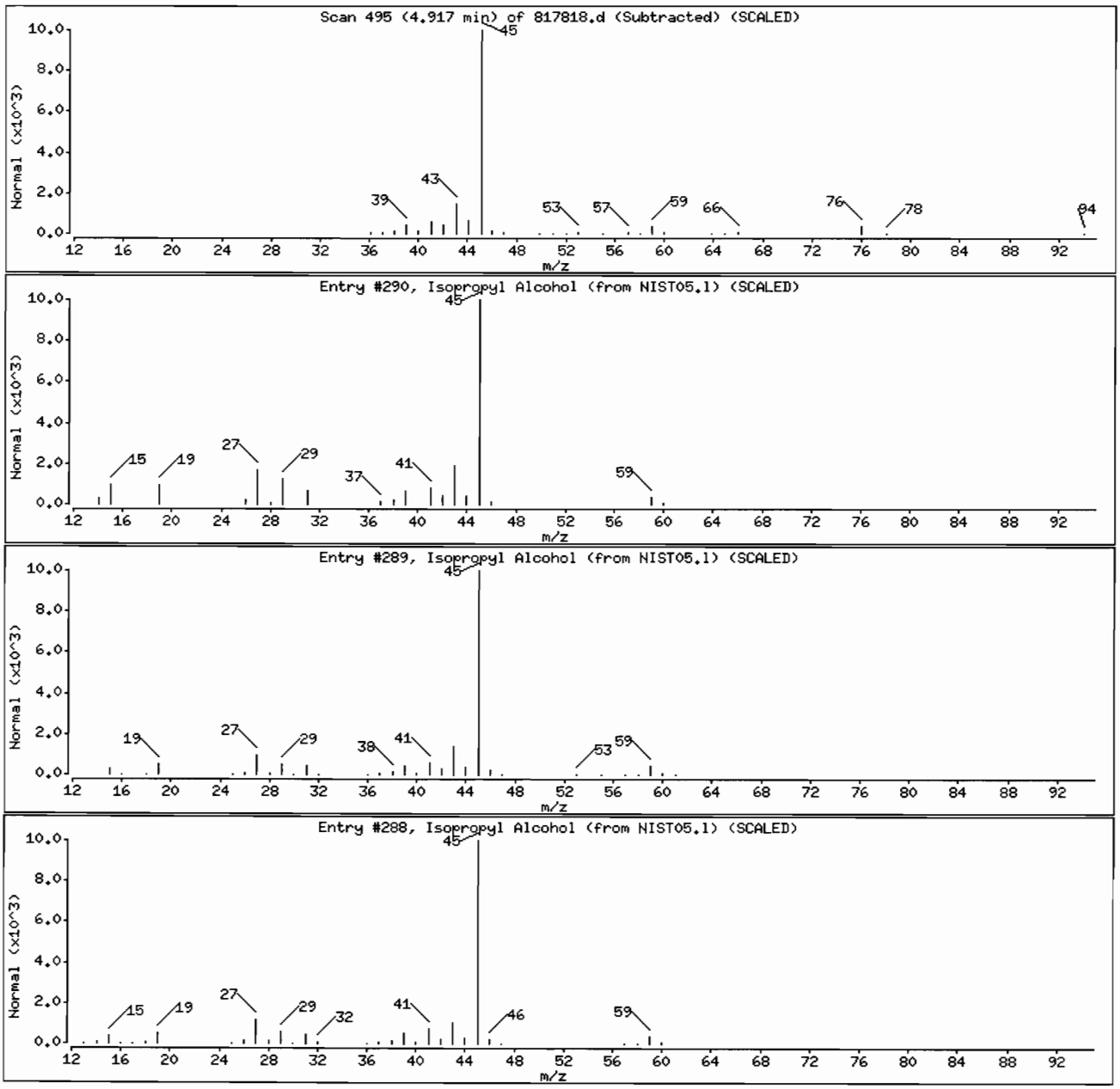
Client ID: SB2GW200-201 Instrument: M.i

Sample Info: ISCO-SB-2-GW200'-201':[J01/14/10 @1500(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Isopropyl Alcohol	67-63-0	NIST05.1	290	80	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	289	80	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	288	40	C3H8O	60



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d

Date : 19-JAN-2010 17:44

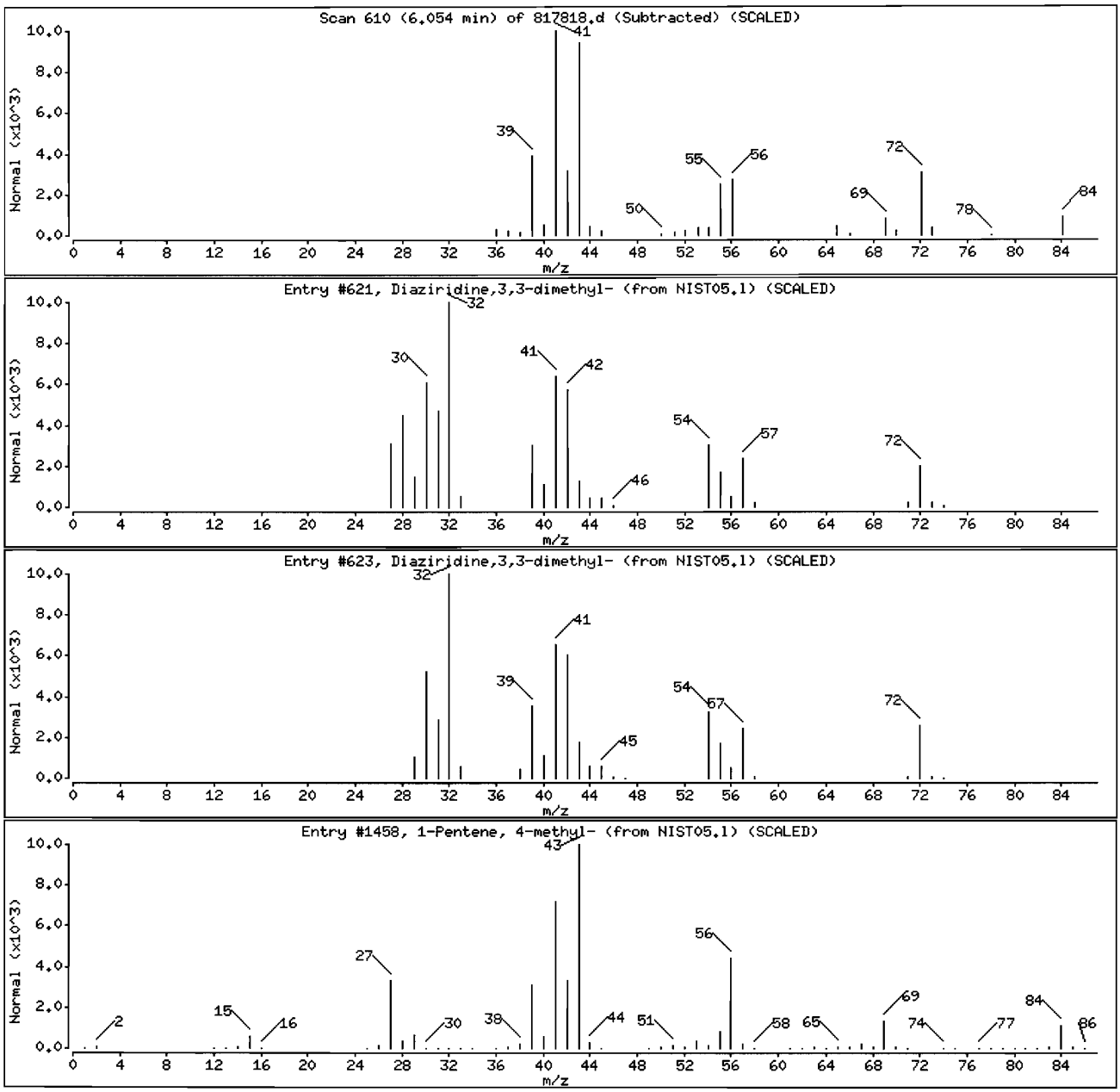
Client ID: SB2GW200-201 Instrument: M.i

Sample Info: ISCO-SB-2-GW200'-201':[ ]01/14/10 @1500(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Diaziridine,3,3-dimethyl-	4901-76-2	NIST05.1	621	37	C3H8N2	72
Diaziridine,3,3-dimethyl-	4901-76-2	NIST05.1	623	37	C3H8N2	72
1-Pentene, 4-methyl-	691-37-2	NIST05.1	1458	25	C6H12	84



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d

Date : 19-JAN-2010 17:44

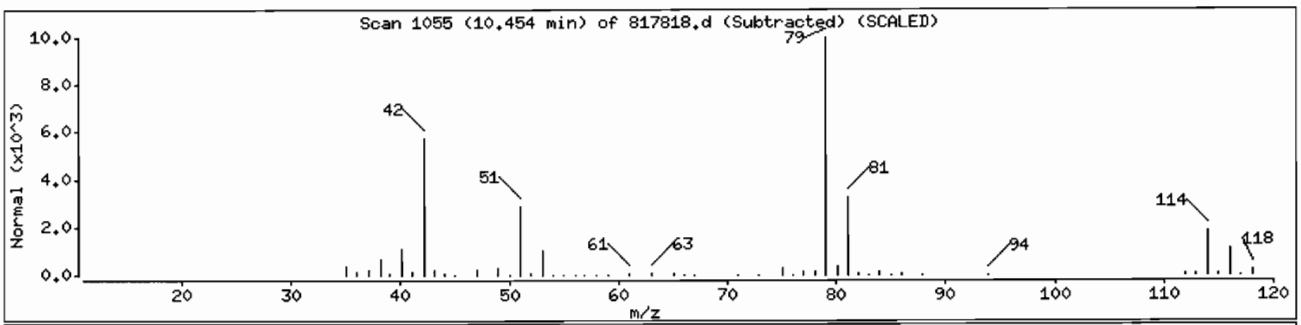
Client ID: SB2GW200-201 Instrument: M.i

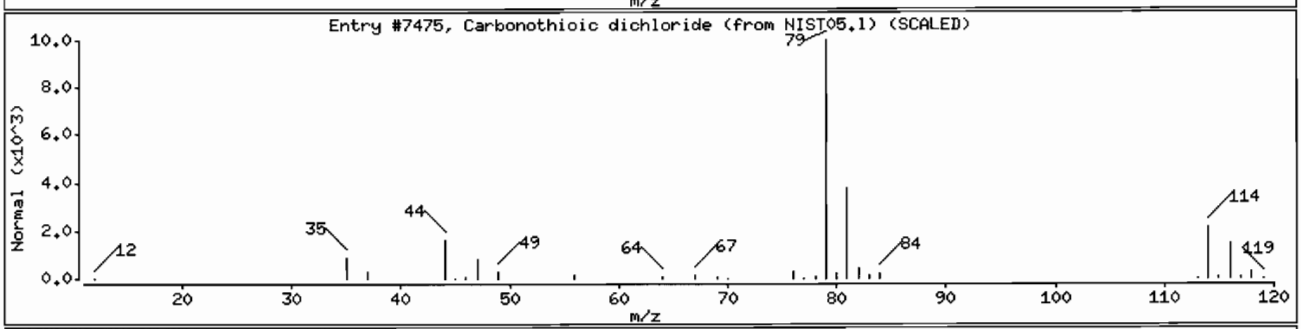
Sample Info: ISCO-SB-2-GW200'-201':[ ]01/14/10 @1500(WATER)

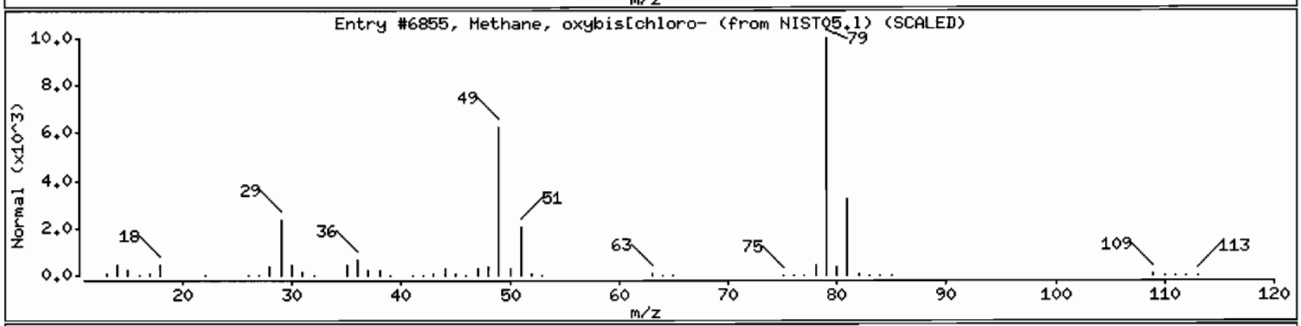
Purge Volume: 25.0 Operator: MRV

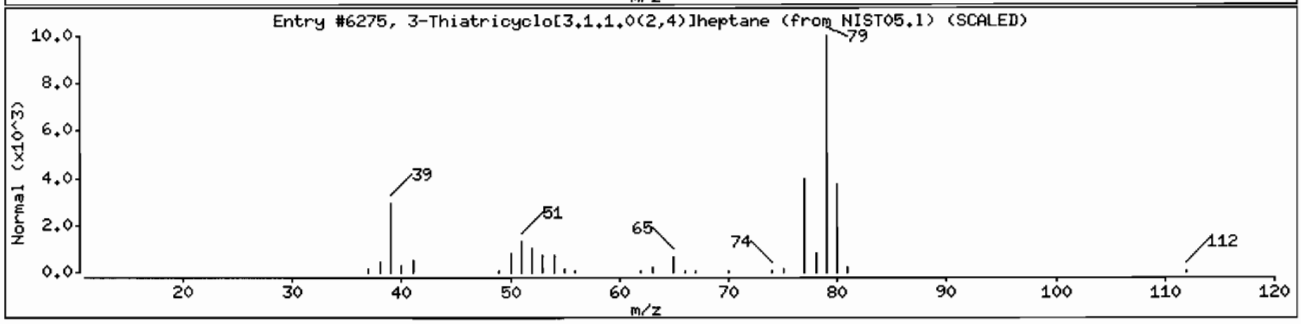
Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	46	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6855	37	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	37	C6H8S	112









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Date : 19-JAN-2010 17:44

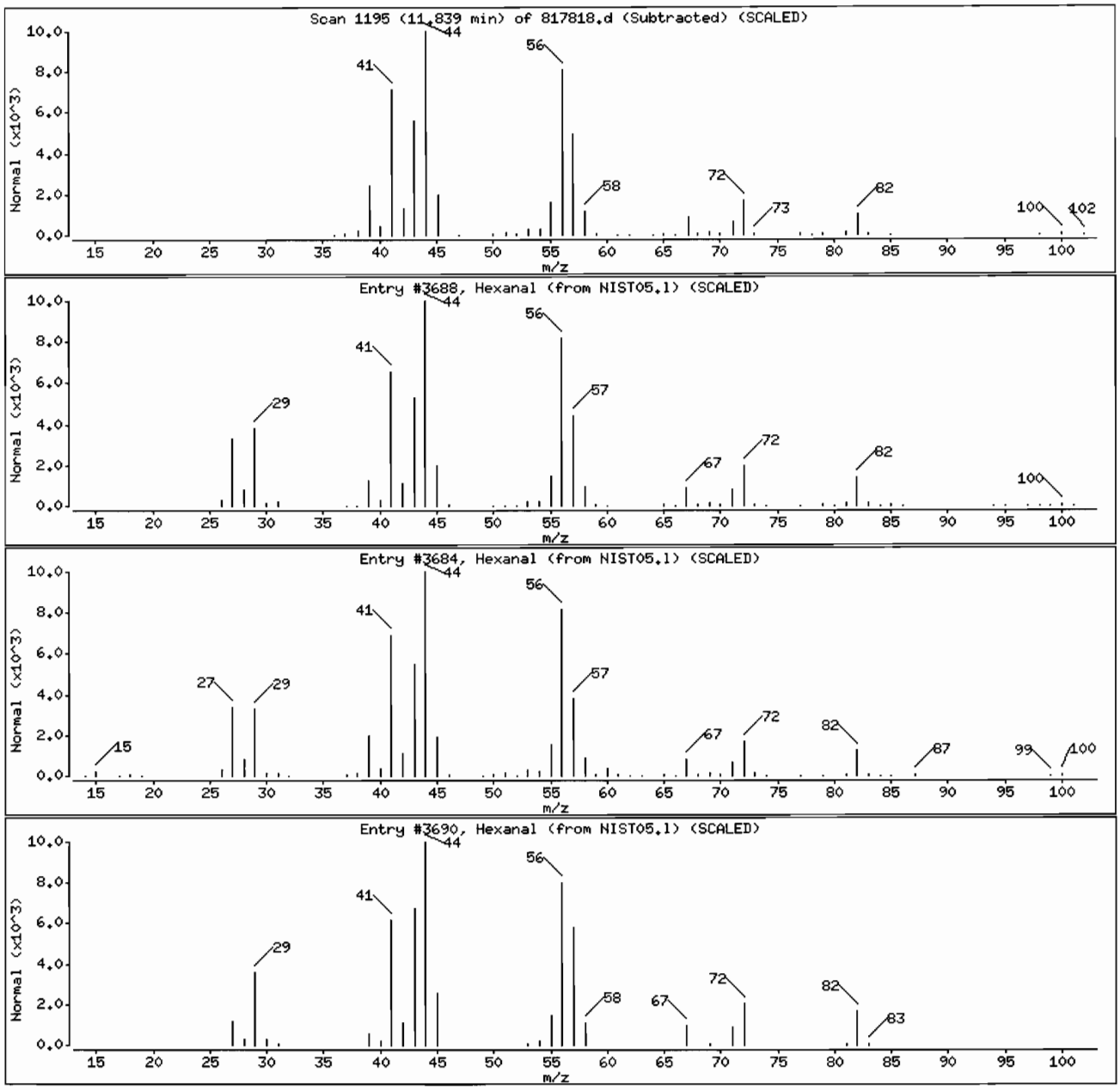
Client ID: SB2GW200-201 Instrument: M.i

Sample Info: ISCO-SB-2-GW200'-201':[ ]01/14/10 @1500(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	NIST05.l	3688	95	C6H12O	100
Hexanal	66-25-1	NIST05.l	3684	91	C6H12O	100
Hexanal	66-25-1	NIST05.l	3690	83	C6H12O	100



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Date : 19-JAN-2010 17:44

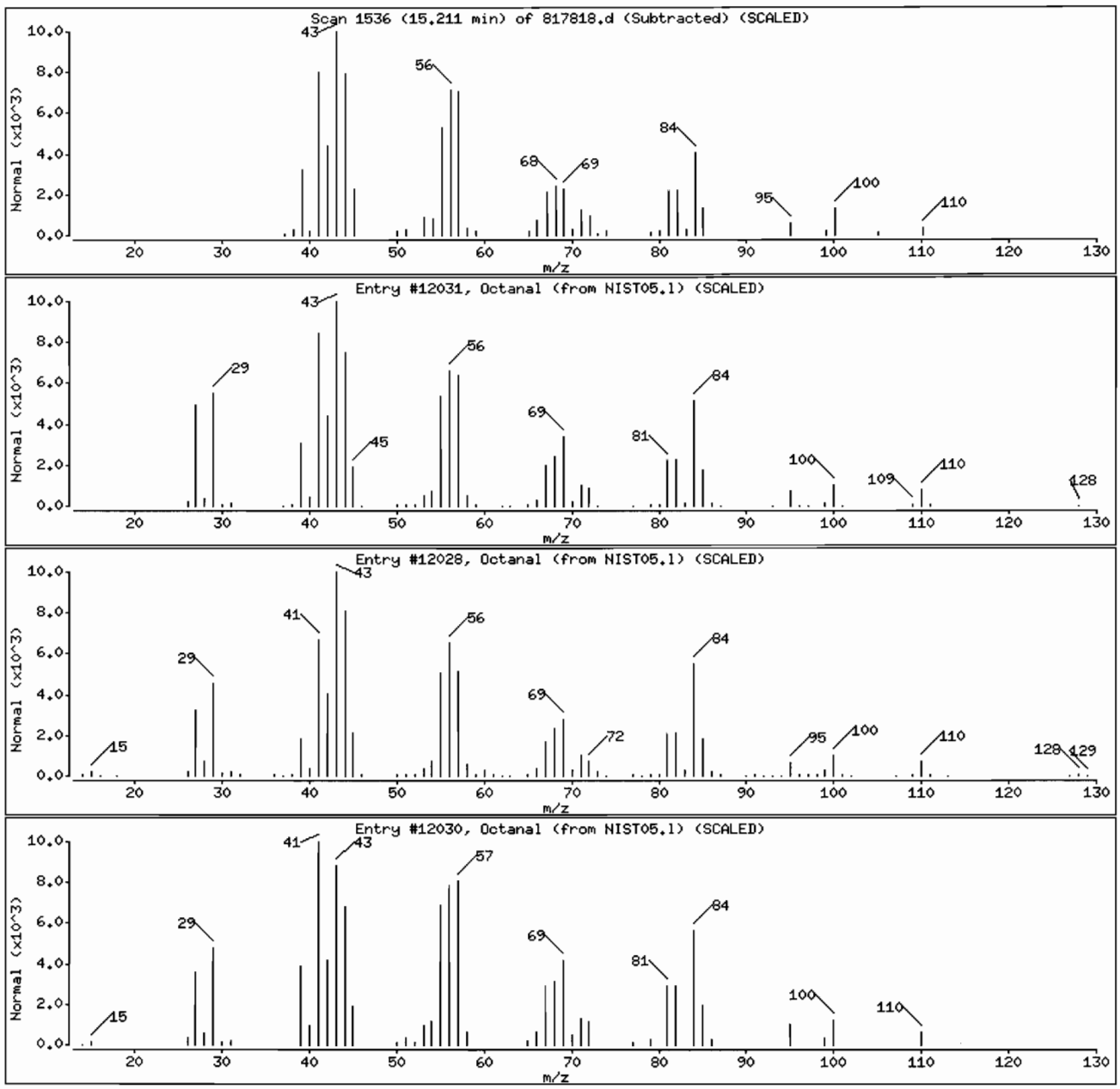
Client ID: SB2GW200-201 Instrument: M.i

Sample Info: ISCO-SB-2-GW200'-201':[J01/14/10 @1500(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Octanal	124-13-0	NIST05.1	12031	90	C8H16O	128
Octanal	124-13-0	NIST05.1	12028	86	C8H16O	128
Octanal	124-13-0	NIST05.1	12030	74	C8H16O	128



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Date : 19-JAN-2010 17:44

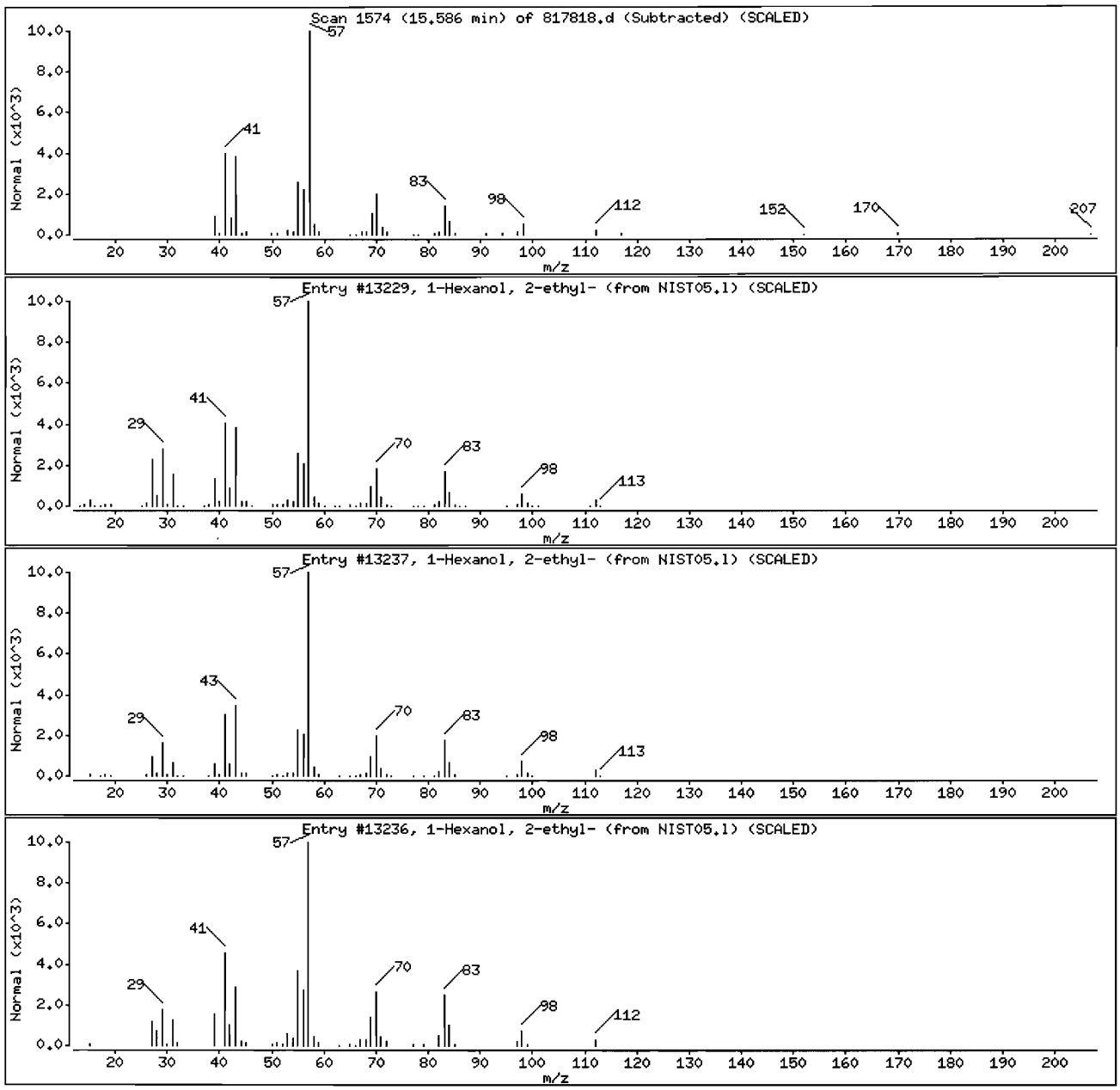
Client ID: SB2GW200-201 Instrument: M.i

Sample Info: ISCO-SB-2-GW200'-201':[J01/14/10 @1500(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alcohol						
1-Hexanol, 2-ethyl-	104-76-7	NIST05.1	13229	83	C8H18O	130
1-Hexanol, 2-ethyl-	104-76-7	NIST05.1	13237	72	C8H18O	130
1-Hexanol, 2-ethyl-	104-76-7	NIST05.1	13236	72	C8H18O	130



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d

Date : 19-JAN-2010 17:44

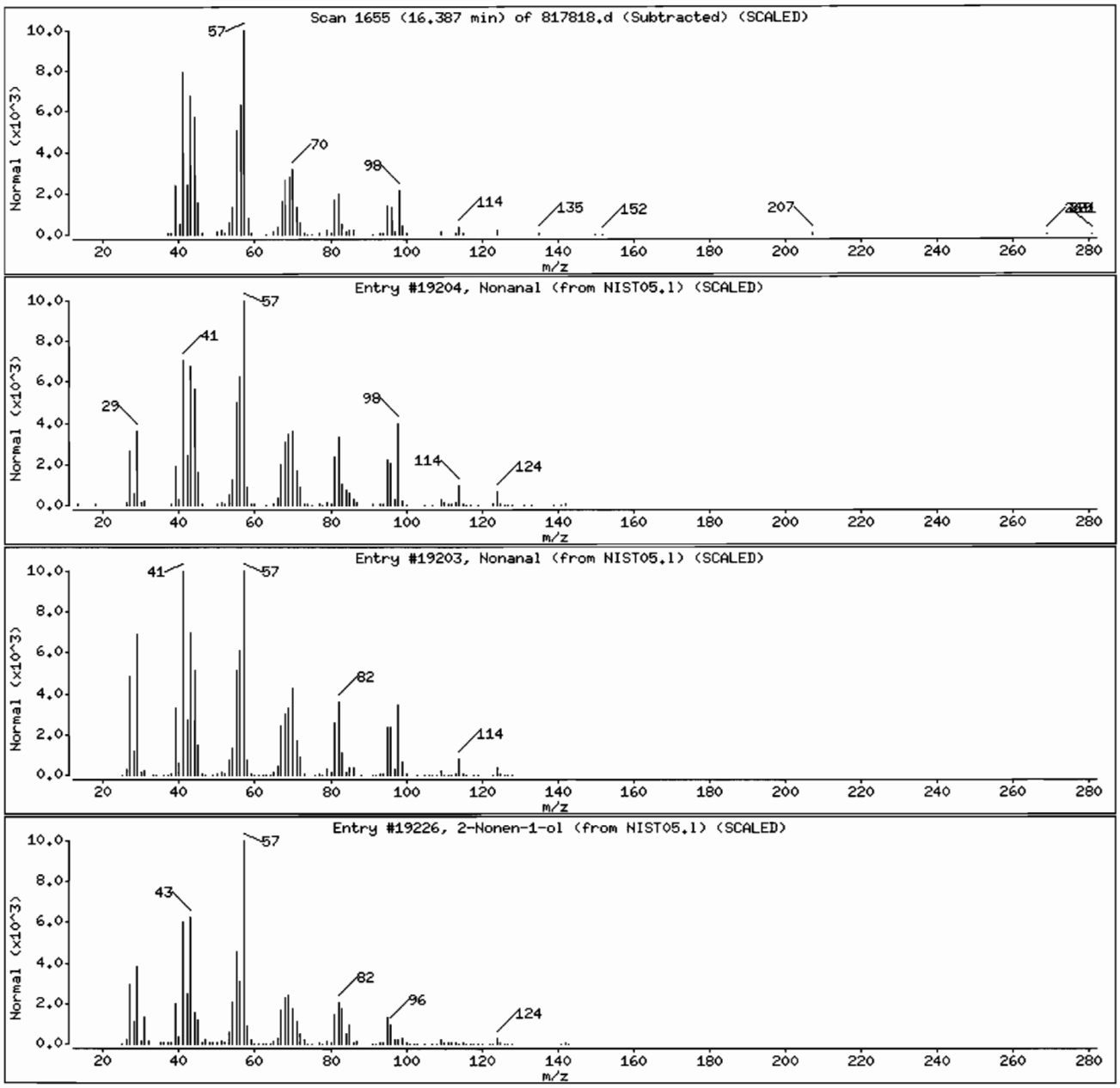
Client ID: SB2GW200-201 Instrument: M.i

Sample Info: ISCO-SB-2-GW200'-201':[ ]01/14/10 @1500(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Nonanal	124-19-6	NIST05.l	19204	64	C9H18O	142
Nonanal	124-19-6	NIST05.l	19203	59	C9H18O	142
2-Nonen-1-ol	22104-79-6	NIST05.l	19226	35	C9H18O	142



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817818.d

Date : 19-JAN-2010 17:44

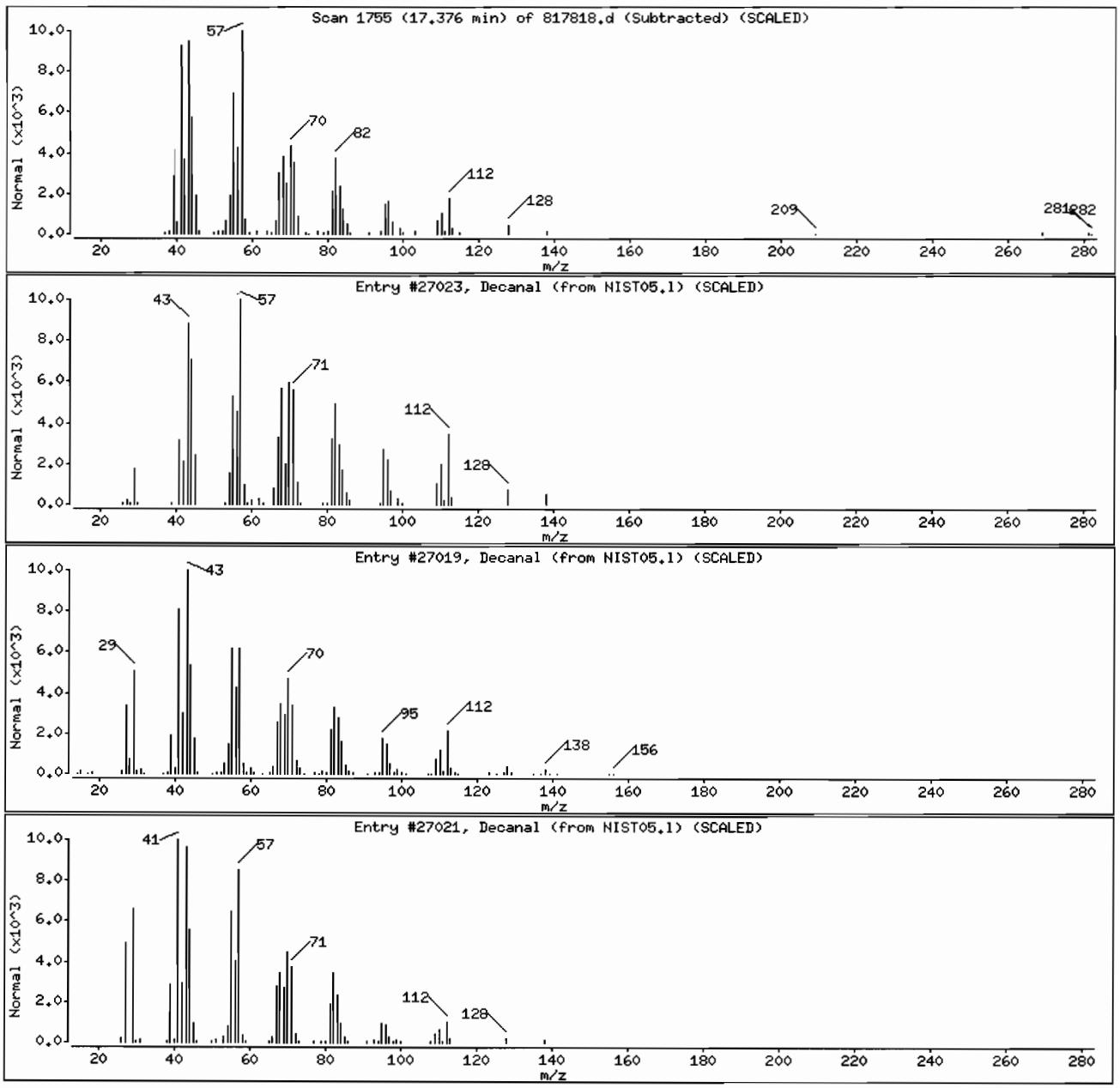
Client ID: SB2GW200-201 Instrument: M.i

Sample Info: ISCO-SB-2-GW200'-201':[ ]01/14/10 @1500(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decanal	112-31-2	NIST05.l	27023	91	C10H20O	156
Decanal	112-31-2	NIST05.l	27019	91	C10H20O	156
Decanal	112-31-2	NIST05.l	27021	91	C10H20O	156



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2GW211-212

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817819

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817819

Level: (TRACE/LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	15	
75-15-0	Carbon disulfide	0.40	J
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	2.2	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.47	J
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.20	J
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2GW211-212

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817819

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817819

Level: (TRACE/LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.44	J
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.27	J
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.24	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.22	J
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB2GW211-212

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817819

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817819

Level: (TRACE or LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

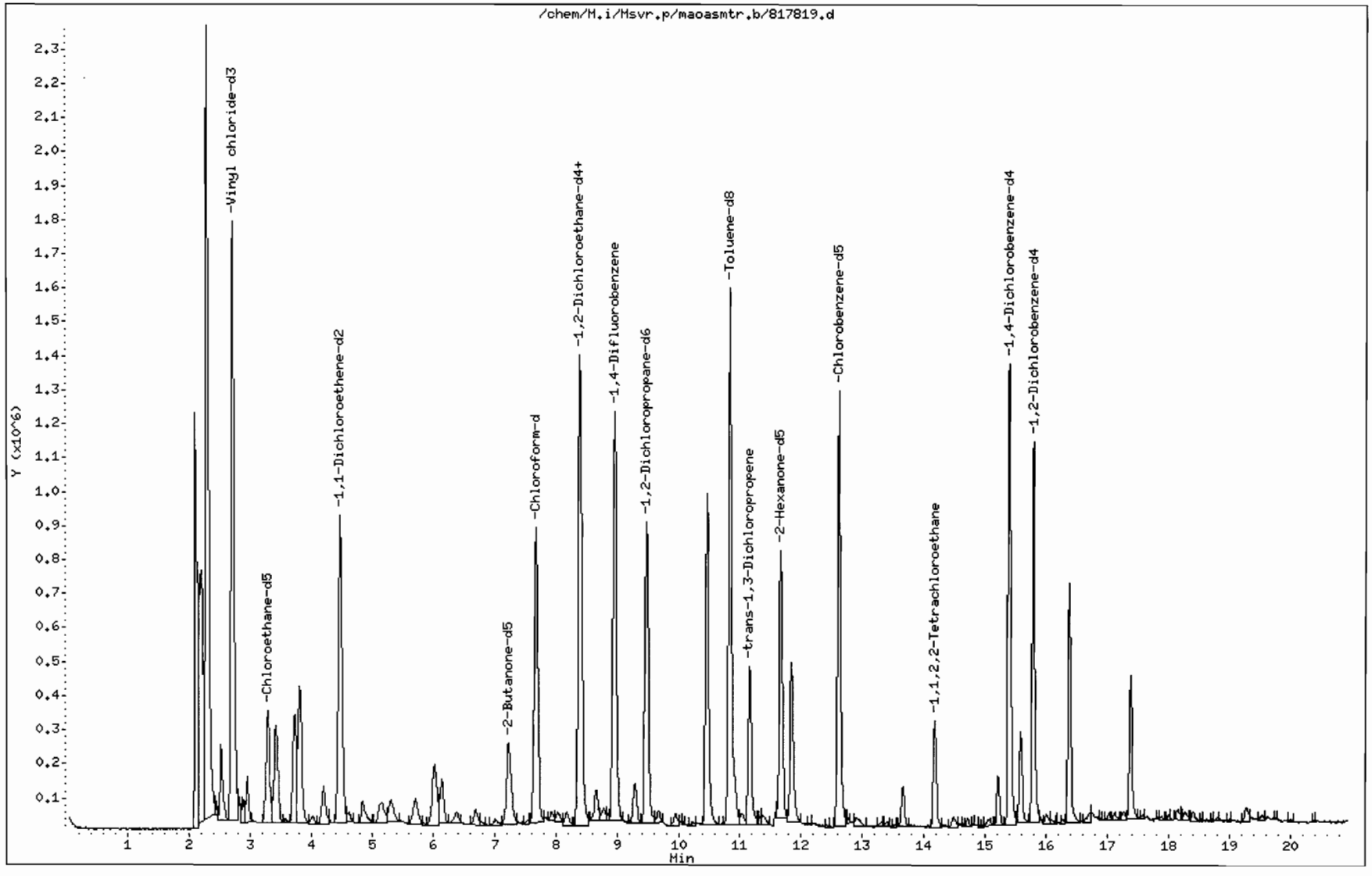
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	115-07-1	Propene	2.28	7.8	NJ
02	109-67-1	1-Pentene	3.73	1.3	NJ
03		Unknown	4.20	0.55	J
04	592-41-6	1-Hexene	6.02	1.0	NJ
05		Unknown	10.46	3.8	JXB
06	66-25-1	Hexanal	11.84	2.0	NJ
07		Unknown	15.21	0.55	J
08		Unknown alcohol	15.58	1.1	J
09	124-19-6	Nonanal	16.37	2.5	NJ
10	112-31-2	Decanal	17.37	1.5	NJ
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A	4.9	J

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d
Date : 19-JAN-2010 18:15
Client ID: SB2GW211-212
Sample Info: ISCO-SB-2-GW211'-212':[ ]01/14/10 @1600(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: MRV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/817819.d
Lab Smp Id: 817819 Client Smp ID: SB2GW211-212
Inj Date : 19-JAN-2010 18:15
Operator : MRV Inst ID: M.i
Smp Info : ISCO-SB-2-GW211'-212':[ ]01/14/10 @1600(WATER)
Misc Info : 817819,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	2.717	2.720	(0.303)	826933	5.04688	5.0
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	3.291	3.294	(0.367)	680882	5.29555	5.3
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	4.477	4.480	(0.500)	1565562	4.39946	4.4
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	4.626	4.629	(0.516)	65452	14.8057	15
13	Carbon disulfide	76	4.843	4.856	(0.541)	154392	0.39874	0.40(a)
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	7.217	7.229	(0.806)	655834	56.8553	57
	20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	21 2-Butanone	43	7.296	7.308	(0.815)	24459	2.22473	2.2(a)
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	7.671	7.684	(0.856)	1245858	5.26121	5.3(Q)
	24 Chloroform	83	7.701	7.714	(0.860)	106071	0.47188	0.47(a)
	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	8.383	8.386	(0.936)	379838	5.05102	5.1(Q)
$	29 Benzene-d6	84	8.393	8.396	(0.665)	1902079	5.22657	5.2
	30 Benzene	78	8.443	8.456	(0.669)	73254	0.20460	0.20(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	8.957	8.960	(1.000)	1753955	5.00000	
	33 Trichloroethene	95	9.293	9.296	(0.737)	74682	0.44116	0.44(a)
$	34 1,2-Dichloropropane-d6	67	9.481	9.484	(0.752)	896317	4.85866	4.9
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	9.956	9.949	(0.789)	45987	0.27187	0.27(a)
	38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	39 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	40 Toluene-d8	98	10.836	10.829	(0.859)	1946923	5.15732	5.2
	41 Toluene	91	10.915	10.908	(0.865)	94430	0.23886	0.24(a)
$	42 trans-1,3-Dichloropropene-d4	79	11.152	11.145	(0.884)	479979	5.28940	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	11.666	11.649	(0.925)	671002	54.7778	55
	47 2-Hexanone	43	Compound Not Detected.					
	48 Dibromochloromethane	129	11.904	11.907	(0.944)	19204	0.22288	0.22(a)
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	12.616	12.599	(1.000)	1312103	5.00000	
	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	14.168	14.161	(1.123)	340367	5.26955	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	15.394	15.387	(1.000)	624845	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	15.790	15.783	(1.026)	488569	5.09559	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	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/817819.d
Lab Smp Id: 817819 Client Smp ID: SB2GW211-212
Inj Date : 19-JAN-2010 18:15
Operator : MRV Inst ID: M.i
Smp Info : ISCO-SB-2-GW211'-212':[ ]01/14/10 @1600(WATER)
Misc Info : 817819,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	8.957	4602172	5.000
* 50 Chlorobenzene-d5	12.616	4383306	5.000
* 61 1,4-Dichlorobenzene-d4	15.394	4219766	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Propene				CAS #: 115-07-1			
2.282	7188311	7.80969353	7.8	90	NIST05.1	56	32

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown alkane					CAS #:		
2.520	713031	0.77466784	0.77	0		0	32
Unknown alkane					CAS #:		
3.419	1266575	1.37606187	1.4	0		0	32
1-Pentene					CAS #: 109-67-1		
3.726	1207380	1.31175018	1.3	90	NIST05.l	539	32
Unknown alkane					CAS #:		
3.805	1900784	2.06509407	2.1	0		0	32
Unknown					CAS #:		
4.201	506614	0.55040744	0.55	0		0	32
1-Hexene					CAS #: 592-41-6		
6.020	960362	1.04337932	1.0	94	NIST05.l	1427	32
Unknown alkane					CAS #:		
6.139	599326	0.65113353	0.65	0		0	32
Unknown					CAS #:		
10.460	3504688	3.80764531	3.8	0		0	32
Hexanal					CAS #: 66-25-1		
11.844	1783109	2.03397752	2.0	94	NIST05.l	3688	50
Unknown					CAS #:		
15.206	466825	0.55314123	0.55	0		0	61
Unknown alcohol					CAS #:		
15.582	890421	1.05505911	1.1	0		0	61
Nonanal					CAS #: 124-19-6		
16.373	2095744	2.48324635	2.5	86	NIST05.l	19202	61
Decanal					CAS #: 112-31-2		
17.372	1267503	1.50186437	1.5	91	NIST05.l	27023	61

Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

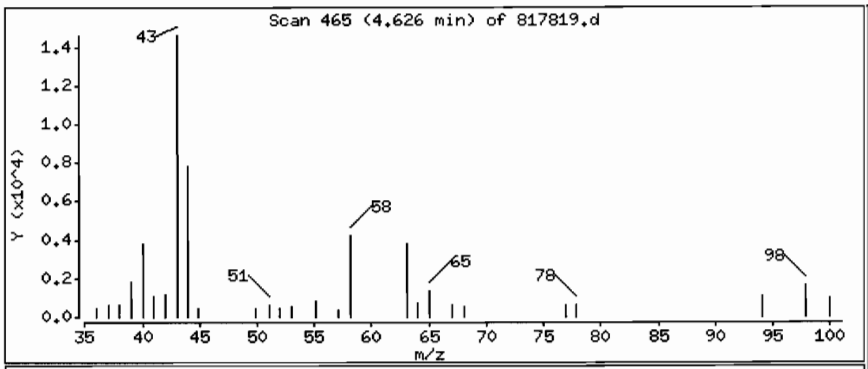
Client ID: SB2GW211-212 Instrument: M.i

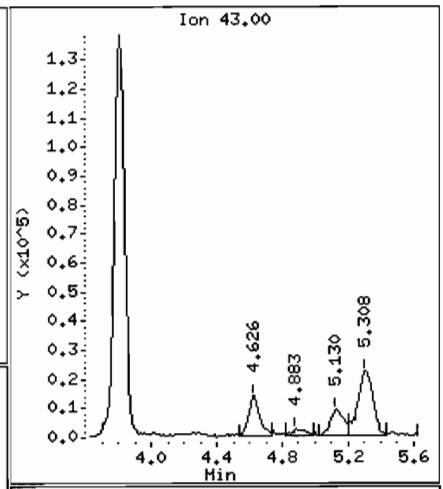
Sample Info: ISCO-SB-2-GW211'-212':[ ]01/14/10 @1600(WATER)

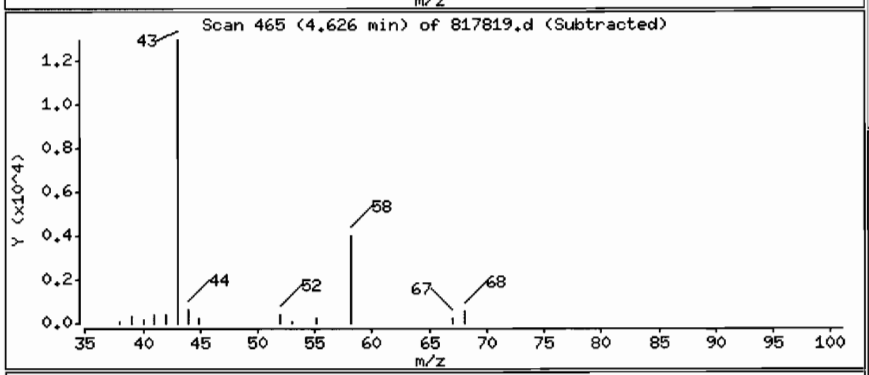
Purge Volume: 25.0 Operator: MRV

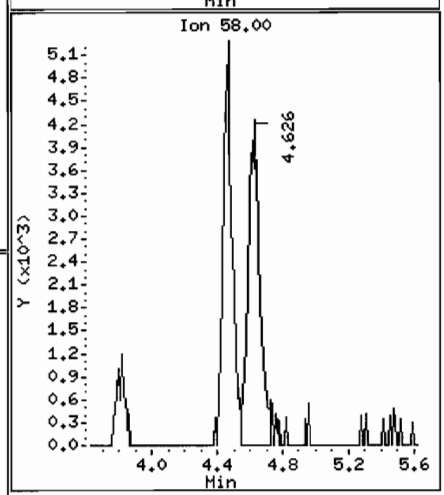
Column phase: DB-624 Column diameter: 0.53

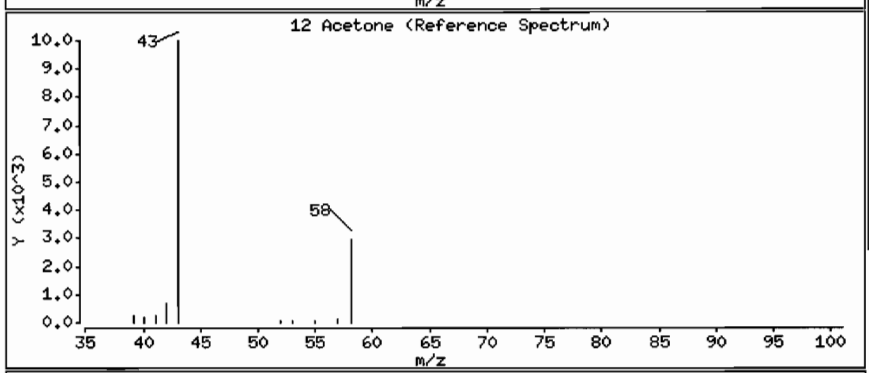
12 Acetone Concentration: 15 ug/L

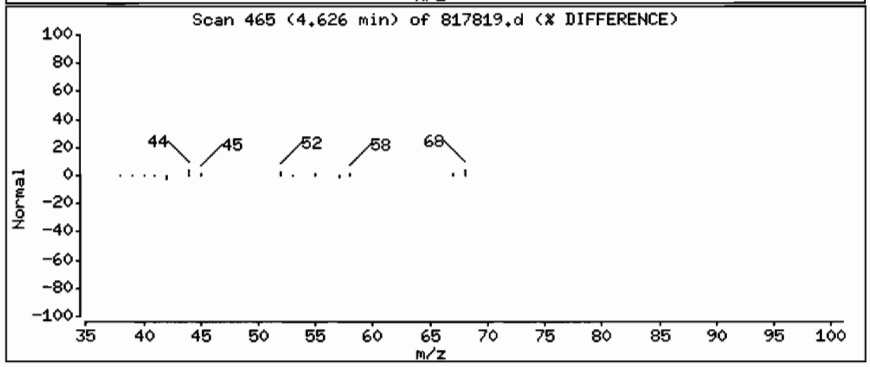












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

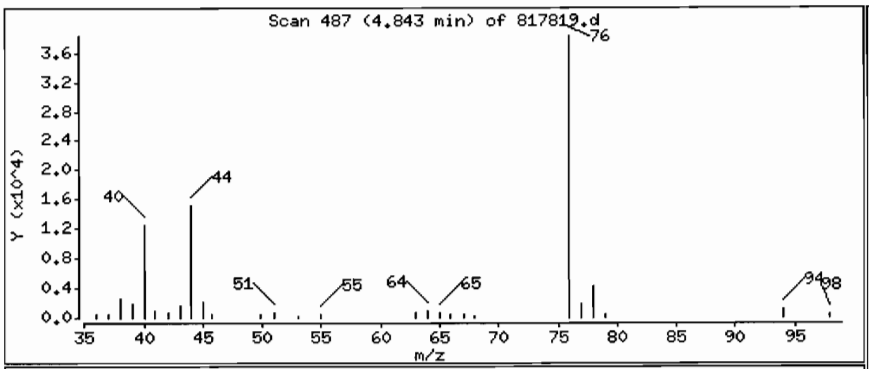
Client ID: SB2GW211-212 Instrument: M.i

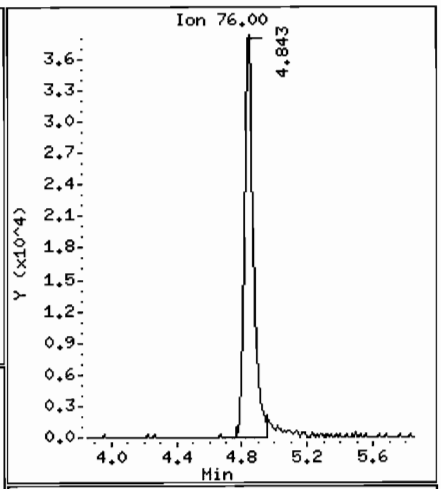
Sample Info: ISCO-SB-2-GW211'-212':[J01/14/10 @1600(WATER)

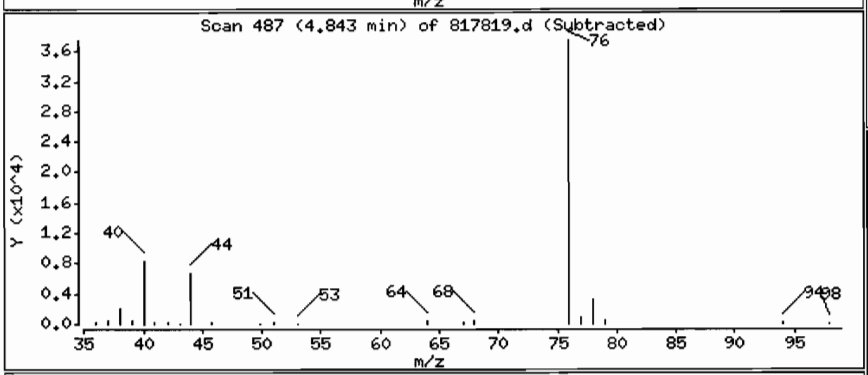
Purge Volume: 25.0 Operator: MRV

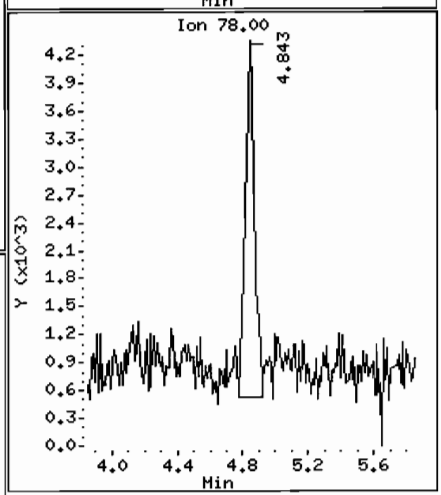
Column phase: DB-624 Column diameter: 0.53

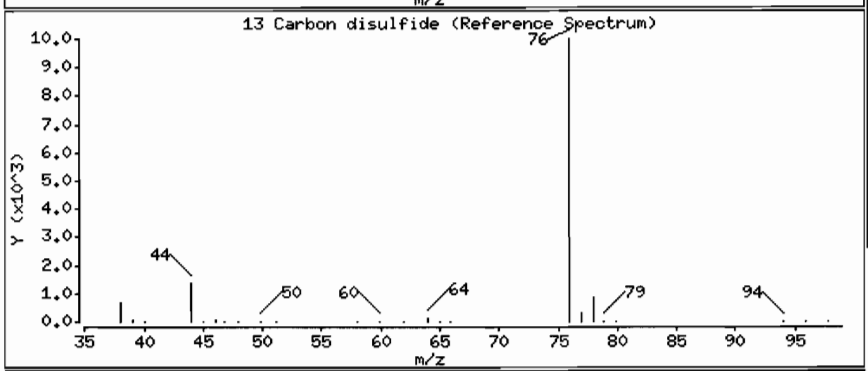
13 Carbon disulfide Concentration: 0.40 ug/L

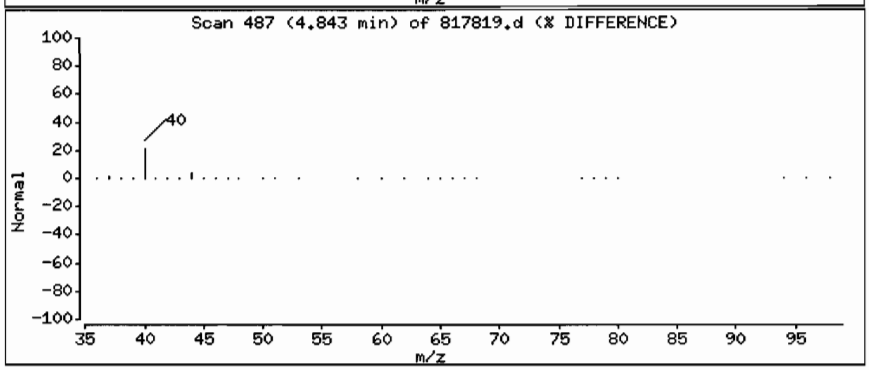












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

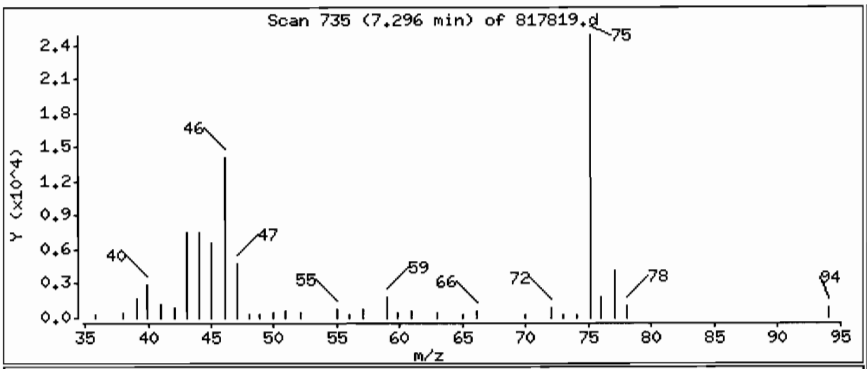
Client ID: SB2GW211-212 Instrument: M.i

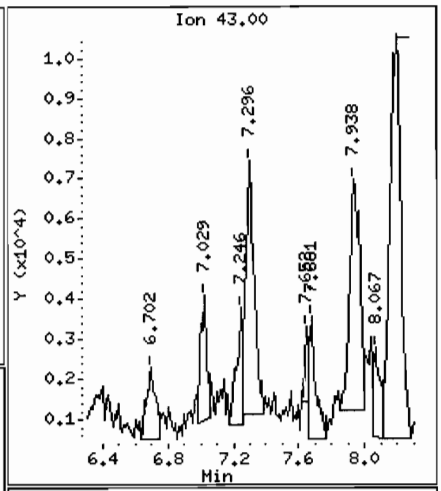
Sample Info: ISCO-SB-2-GW211'-212':[J01/14/10 @1600(WATER)

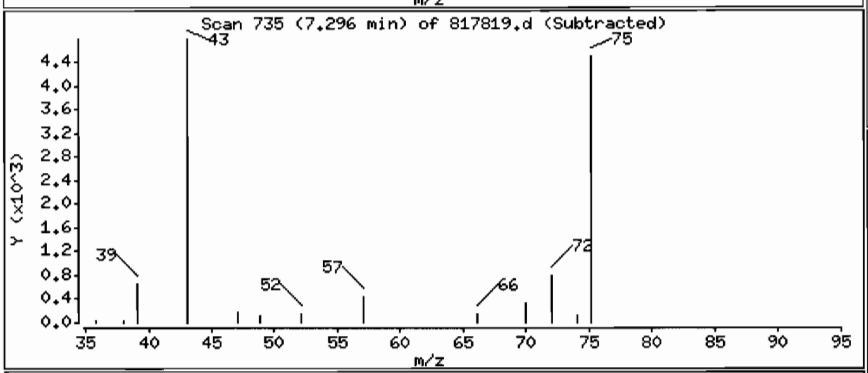
Purge Volume: 25.0 Operator: MRV

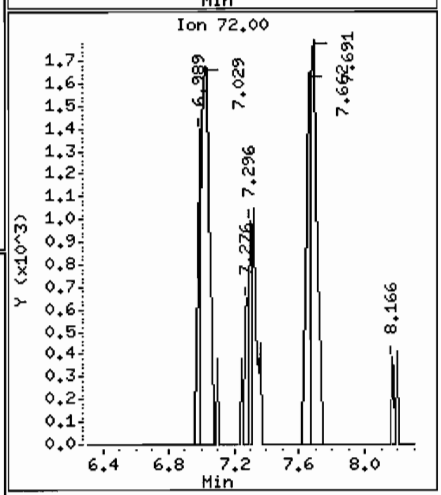
Column phase: DB-624 Column diameter: 0.53

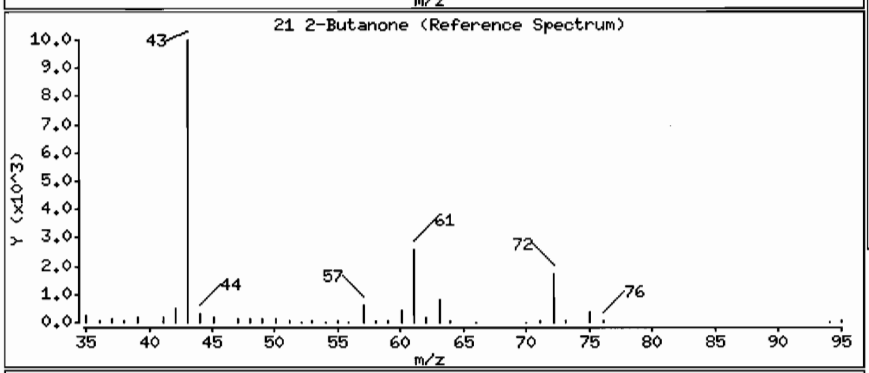
21 2-Butanone Concentration: 2.2 ug/L

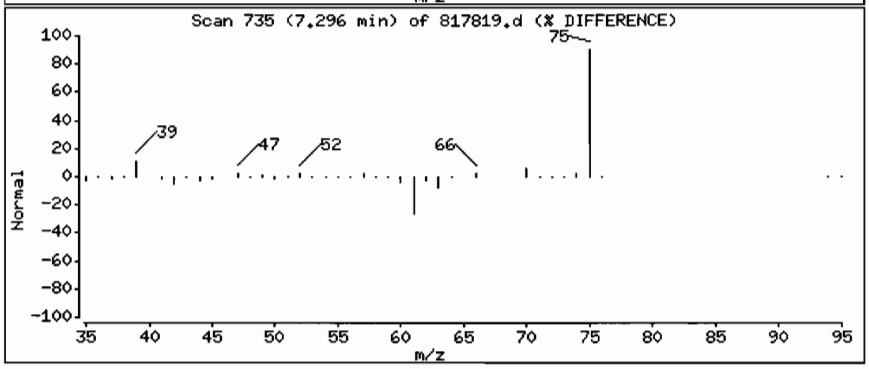












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

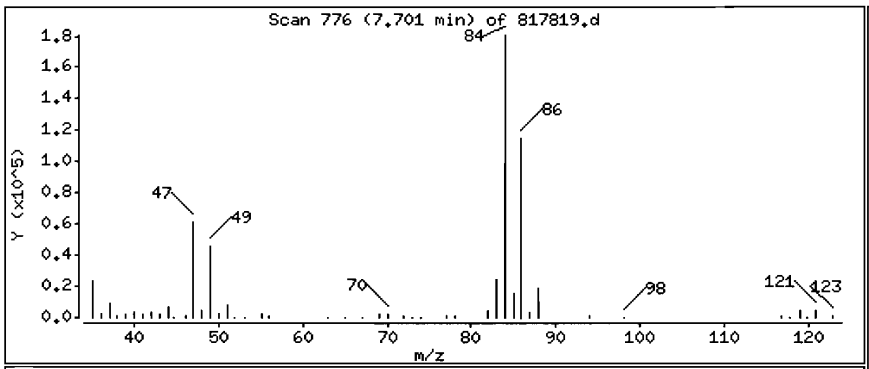
Client ID: SB2GW211-212 Instrument: M.i

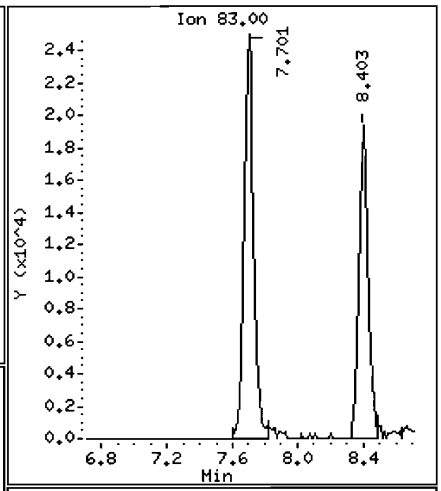
Sample Info: ISCO-SB-2-GW211'-212':[ ]01/14/10 @1600(WATER)

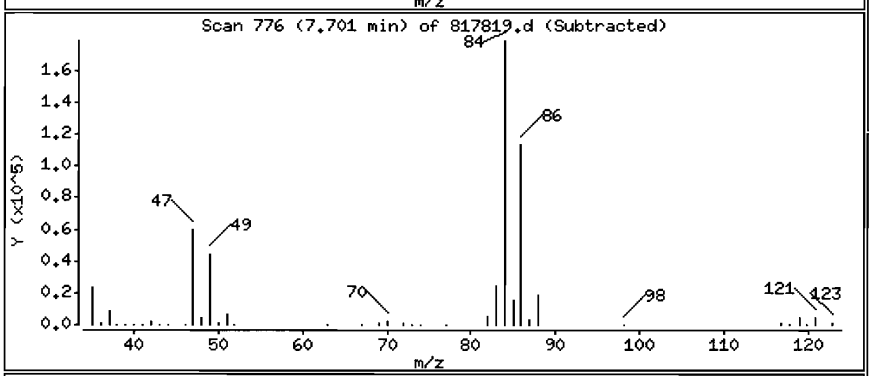
Purge Volume: 25.0 Operator: MRV

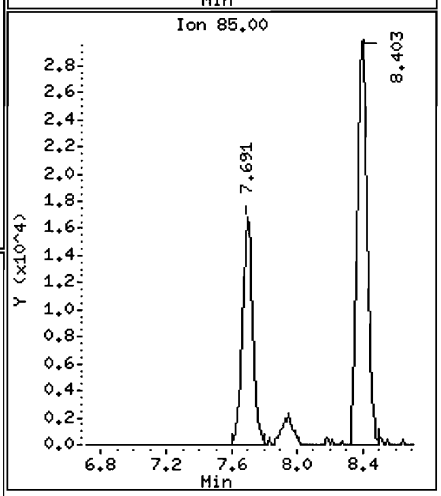
Column phase: DB-624 Column diameter: 0.53

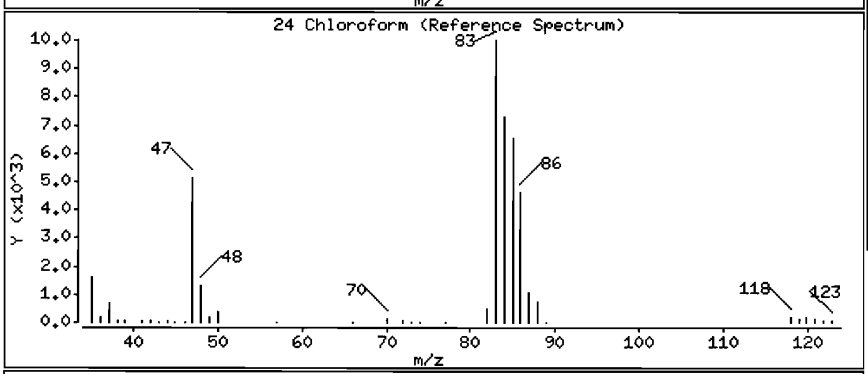
24 Chloroform Concentration: 0.47 ug/L

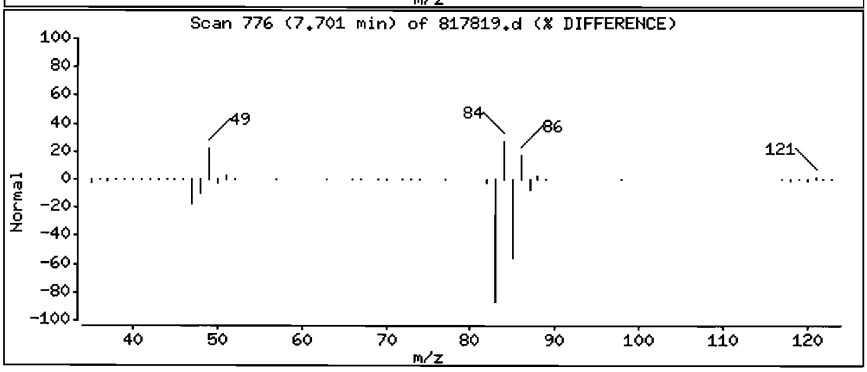












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

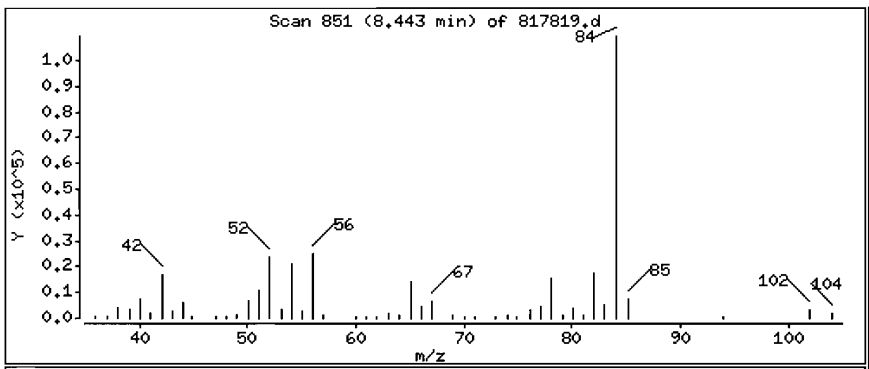
Client ID: SB2GW211-212 Instrument: M.i

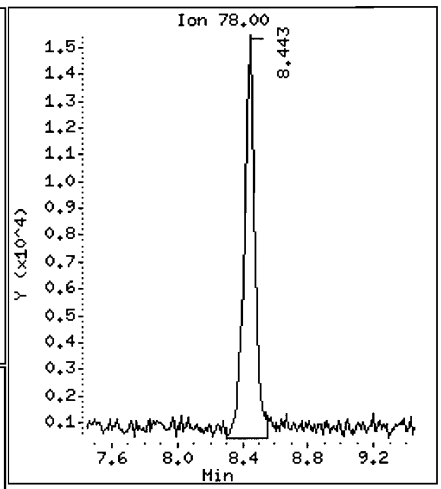
Sample Info: ISCO-SB-2-GW211'-212':[J01/14/10 @1600(WATER)

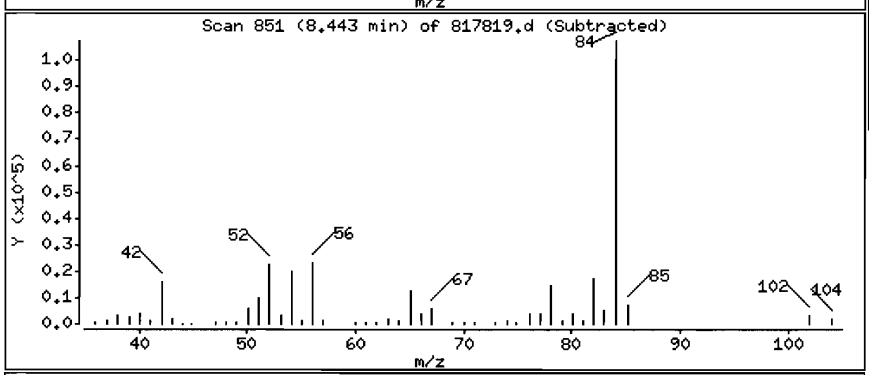
Purge Volume: 25.0 Operator: MRV

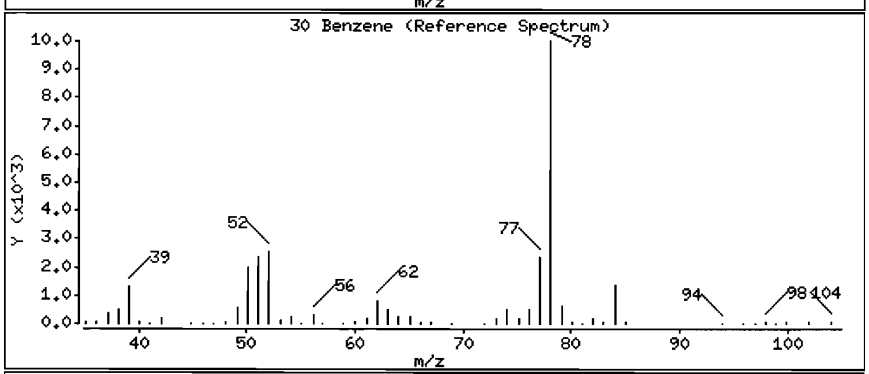
Column phase: DB-624 Column diameter: 0.53

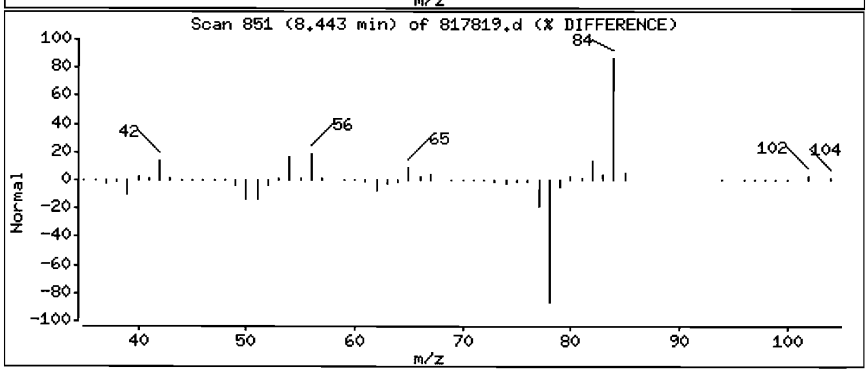
30 Benzene Concentration: 0.20 ug/L











Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

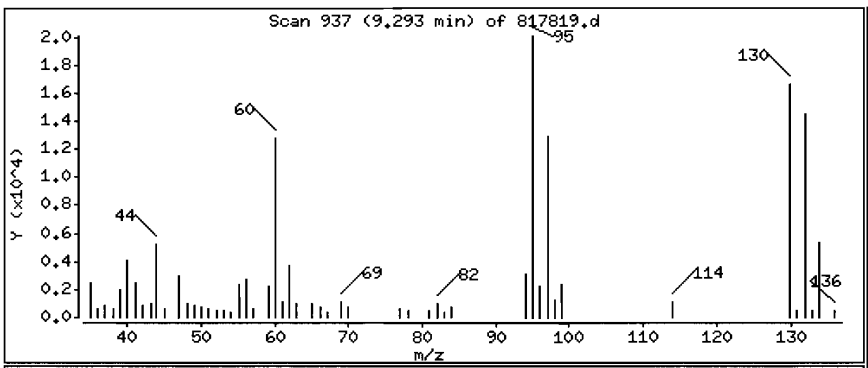
Client ID: SB2GW211-212 Instrument: M.i

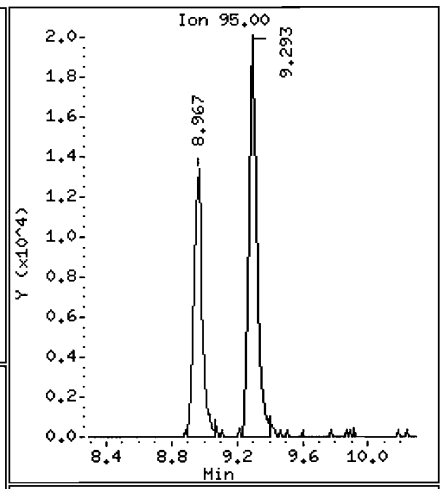
Sample Info: ISCO-SB-2-GW211'-212':[101/14/10 @1600(WATER)

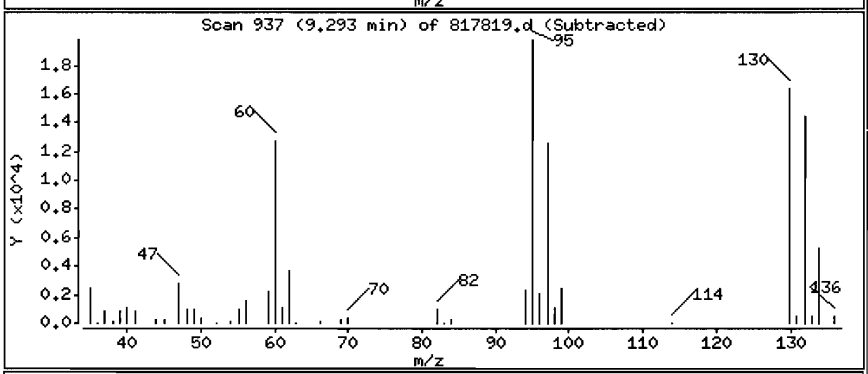
Purge Volume: 25.0 Operator: MRV

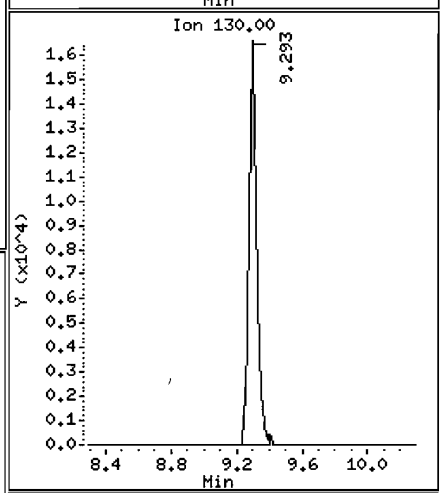
Column phase: DB-624 Column diameter: 0.53

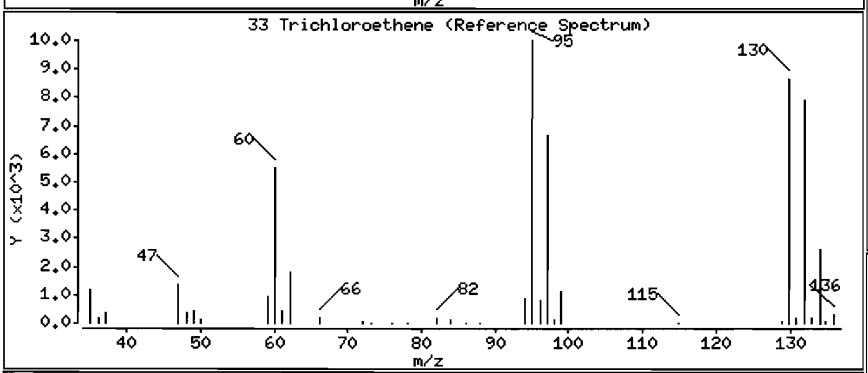
33 Trichloroethene Concentration: 0.44 ug/L

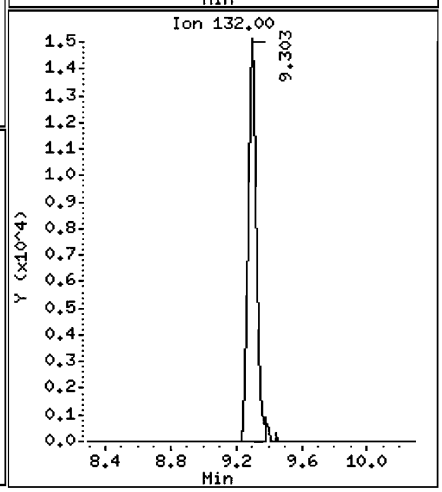


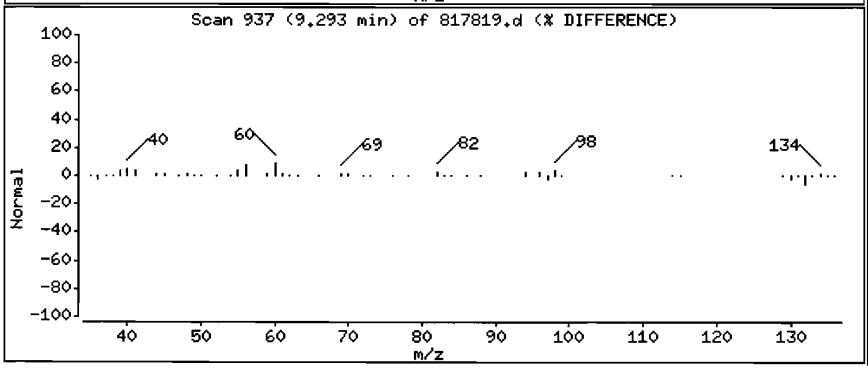












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

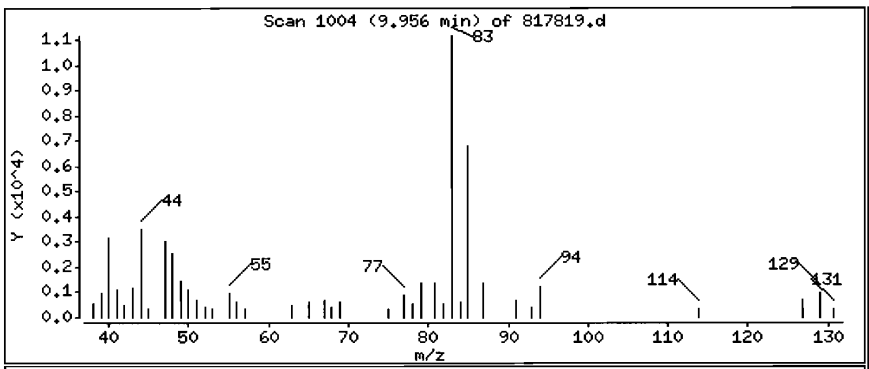
Client ID: SB2GW211-212 Instrument: M.i

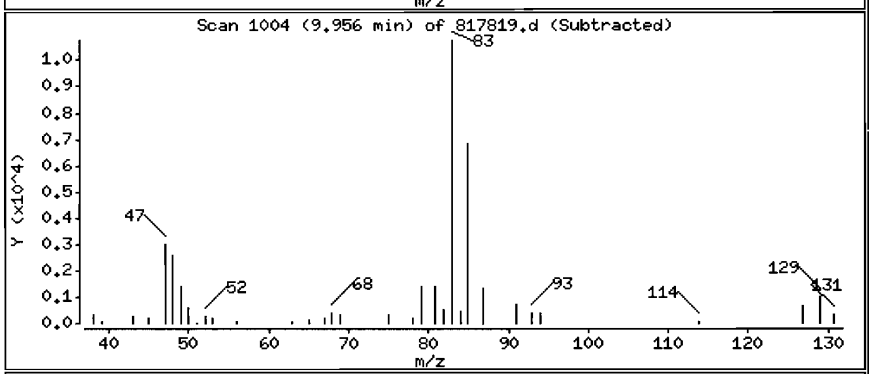
Sample Info: ISCO-SB-2-GW211'-212':[ ]01/14/10 @1600(WATER)

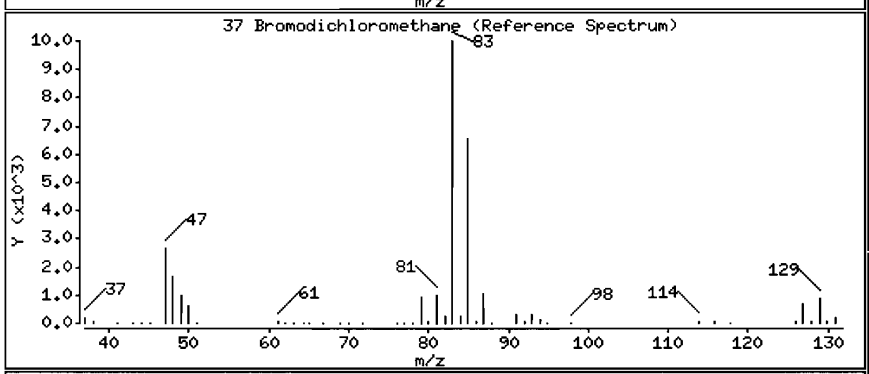
Purge Volume: 25.0 Operator: MRV

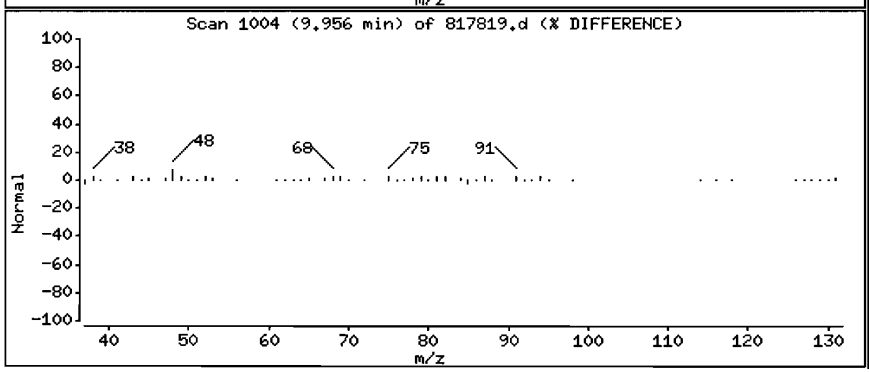
Column phase: DB-624 Column diameter: 0.53

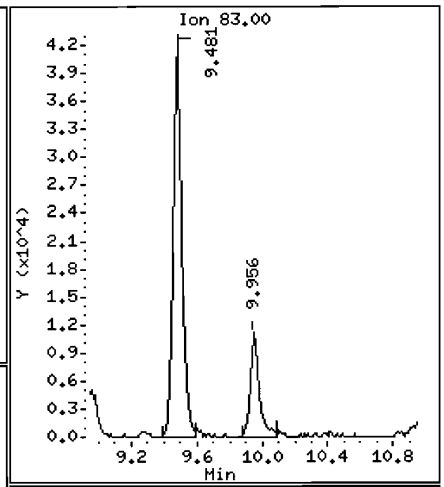
37 Bromodichloromethane Concentration: 0.27 ug/L

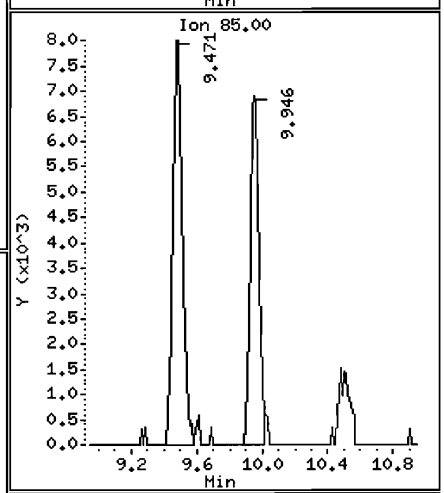


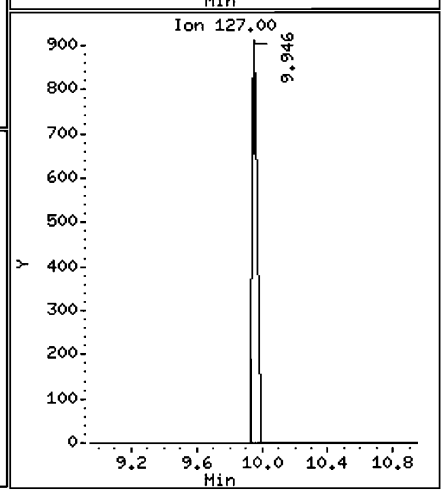












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

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Date : 19-JAN-2010 18:15

Client ID: SB2GW211-212

Instrument: M.i

Sample Info: ISCO-SB-2-GW211'-212':[ ]01/14/10 @1600(WATER)

Purge Volume: 25.0

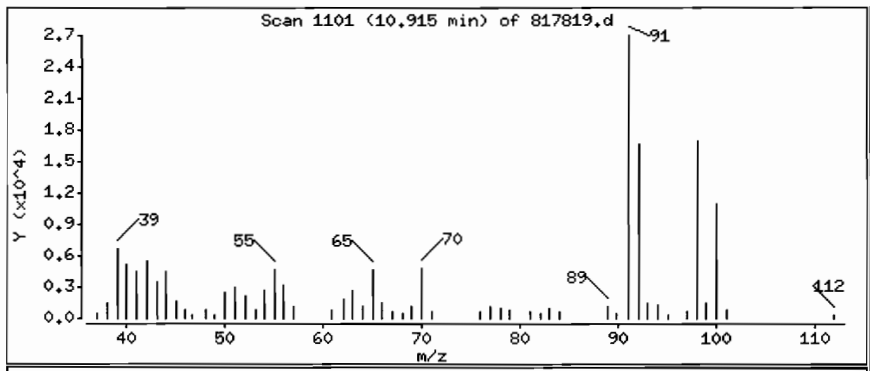
Operator: MRV

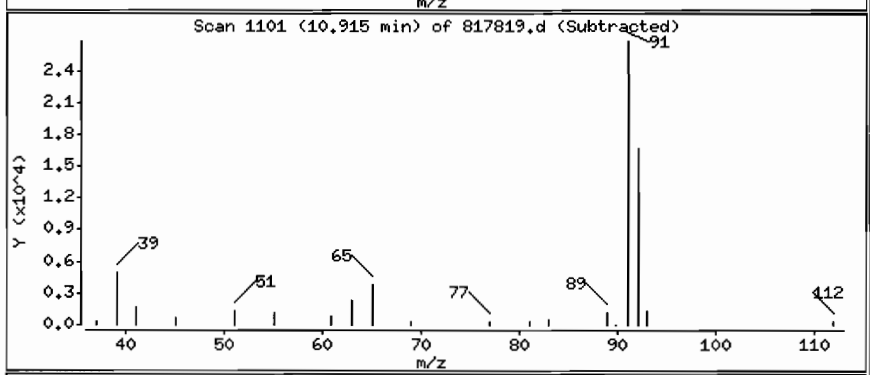
Column phase: DB-624

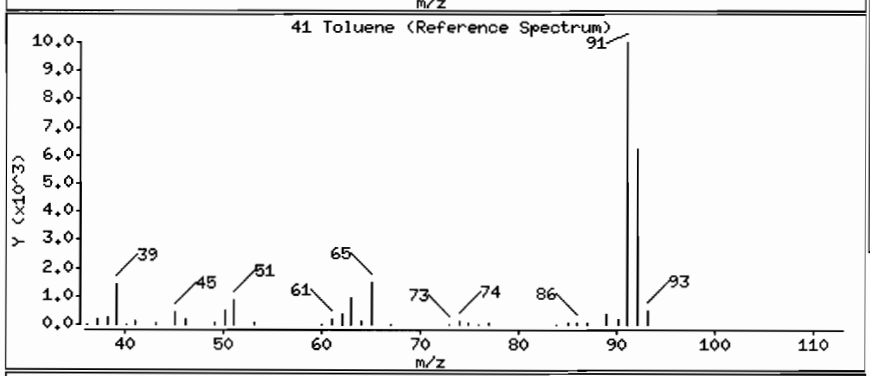
Column diameter: 0.53

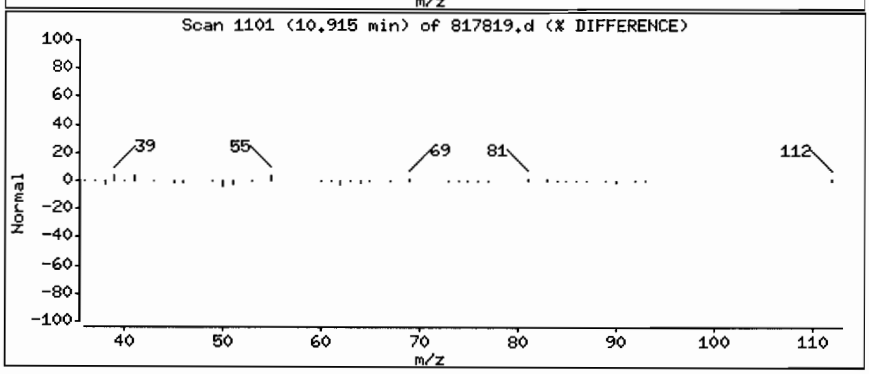
41 Toluene

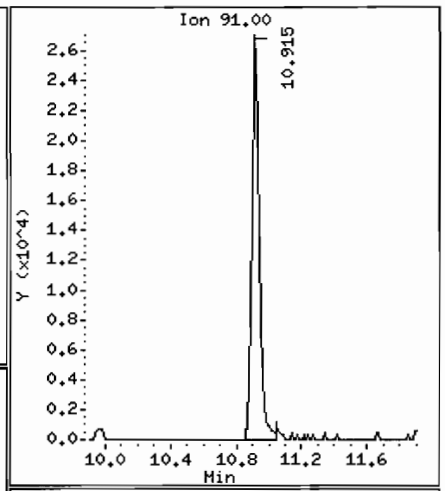
Concentration: 0.24 ug/L

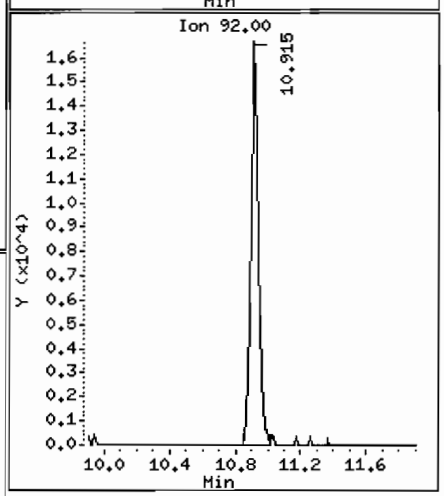












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

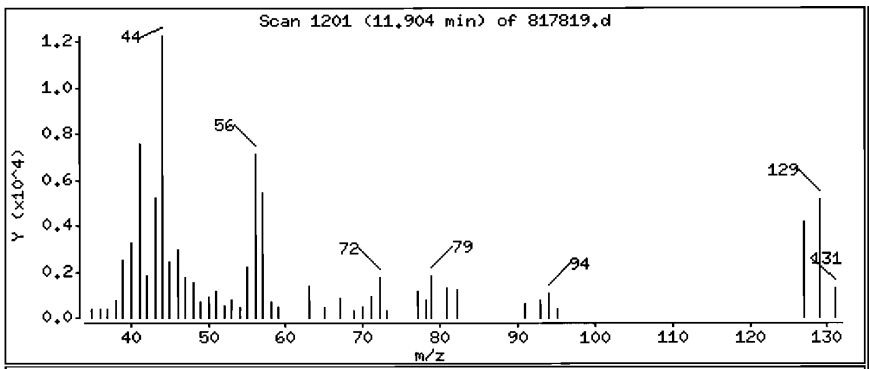
Client ID: SB2GW211-212 Instrument: M.i

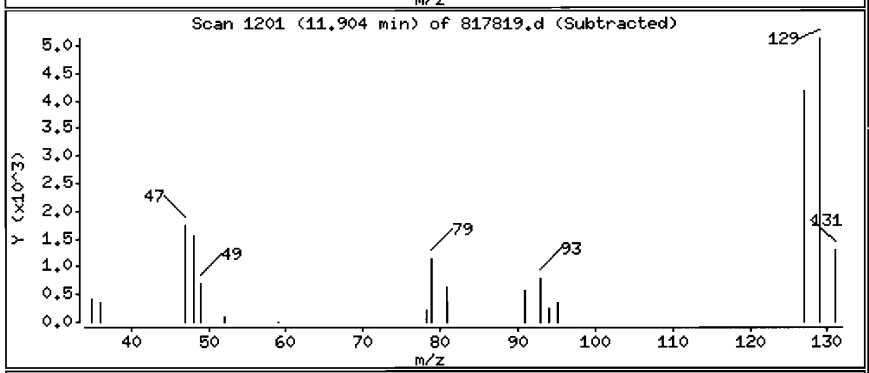
Sample Info: ISCO-SB-2-GW211'-212':[ ]01/14/10 @1600(WATER)

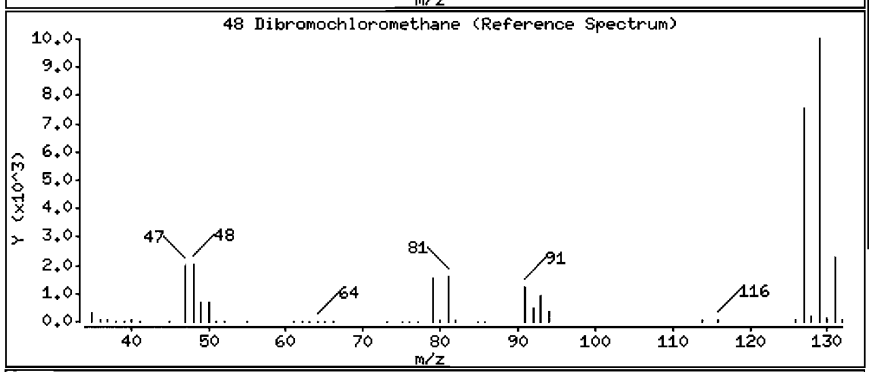
Purge Volume: 25.0 Operator: MRV

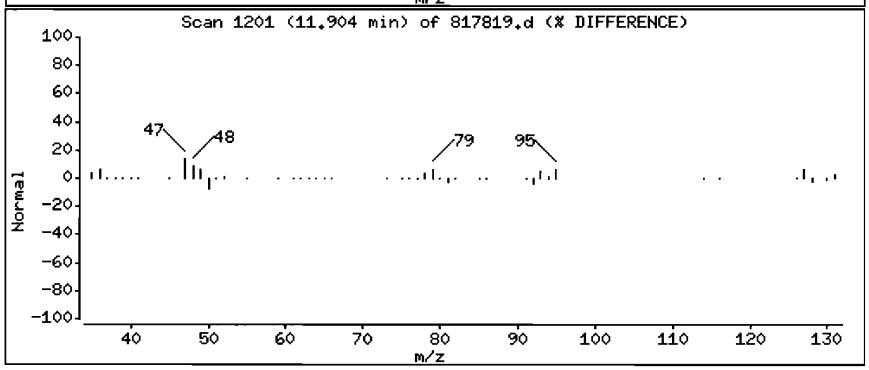
Column phase: DB-624 Column diameter: 0.53

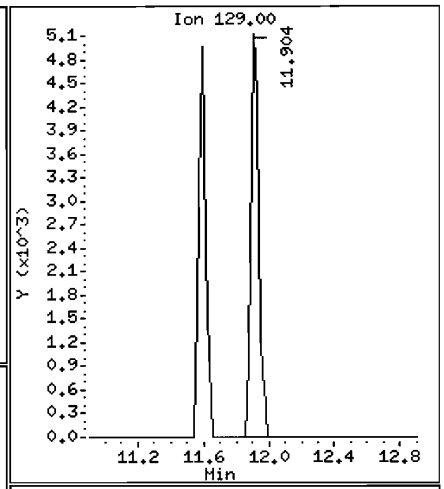
48 Dibromochloromethane Concentration: 0.22 ug/L

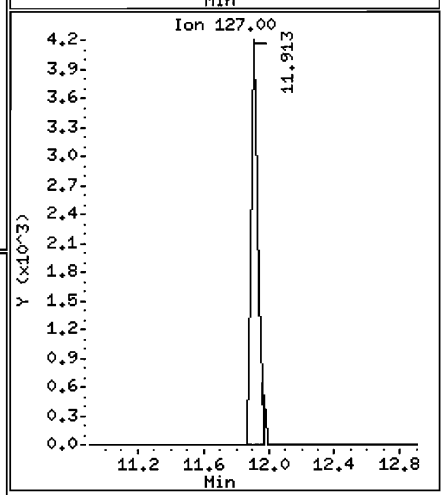












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

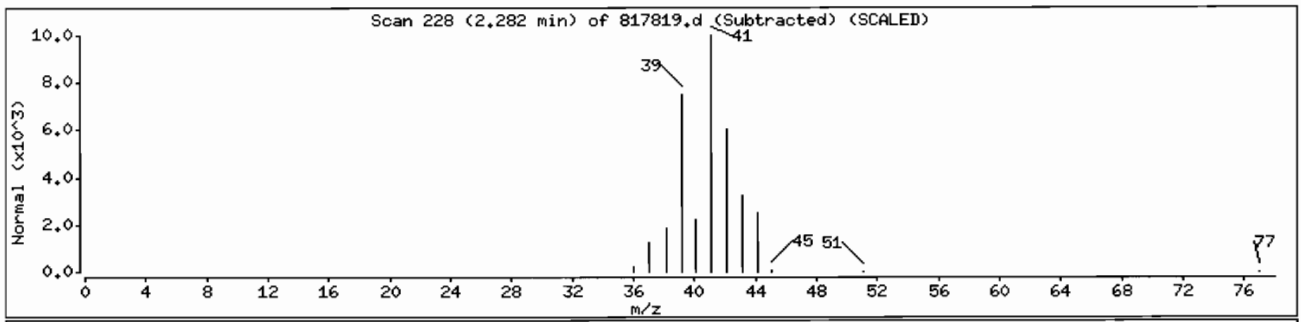
Client ID: SB2GW211-212 Instrument: M.i

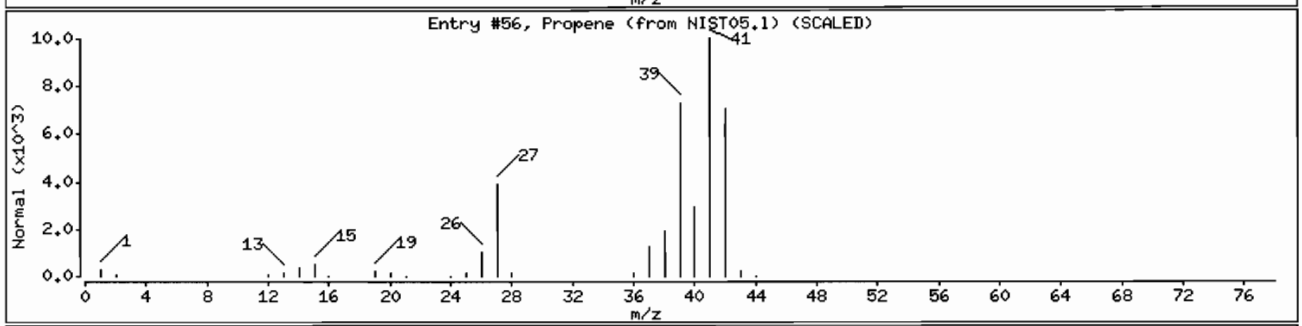
Sample Info: ISCO-SB-2-GW211'-212':[ ]01/14/10 @1600(WATER)

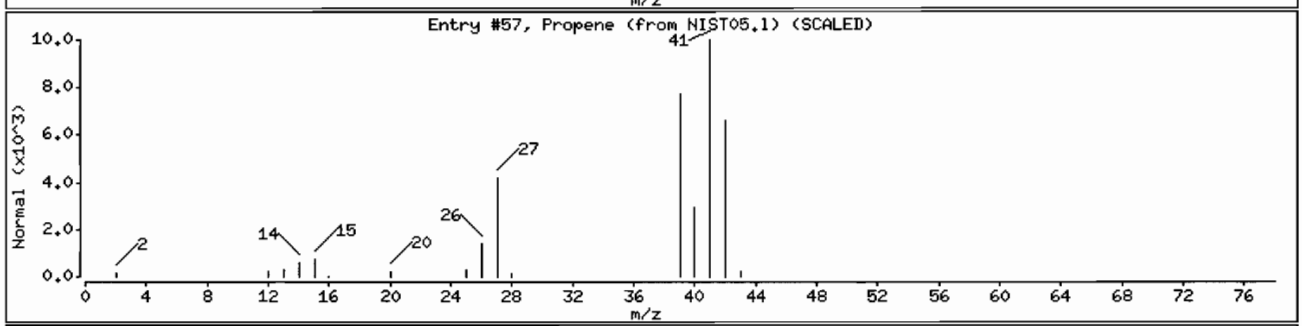
Purge Volume: 25.0 Operator: MRV

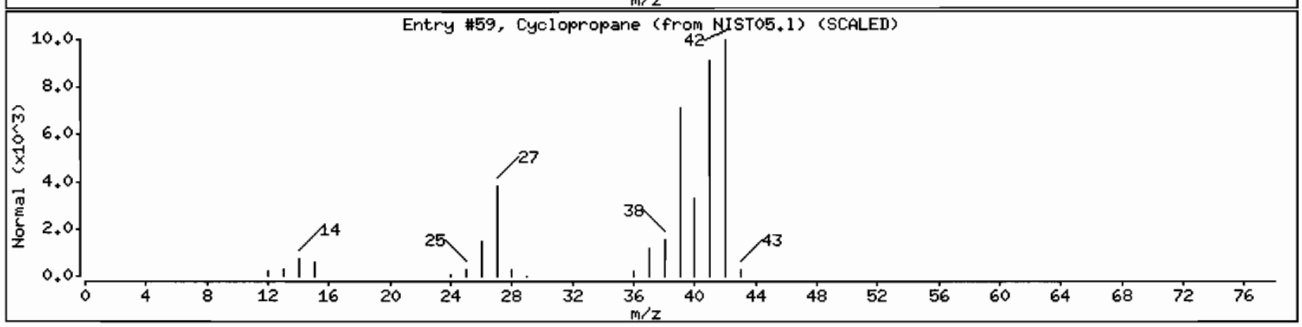
Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Propene	115-07-1	NIST05.l	56	90	C3H6	42
Propene	115-07-1	NIST05.l	57	64	C3H6	42
Cyclopropane	75-19-4	NIST05.l	59	14	C3H6	42









Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

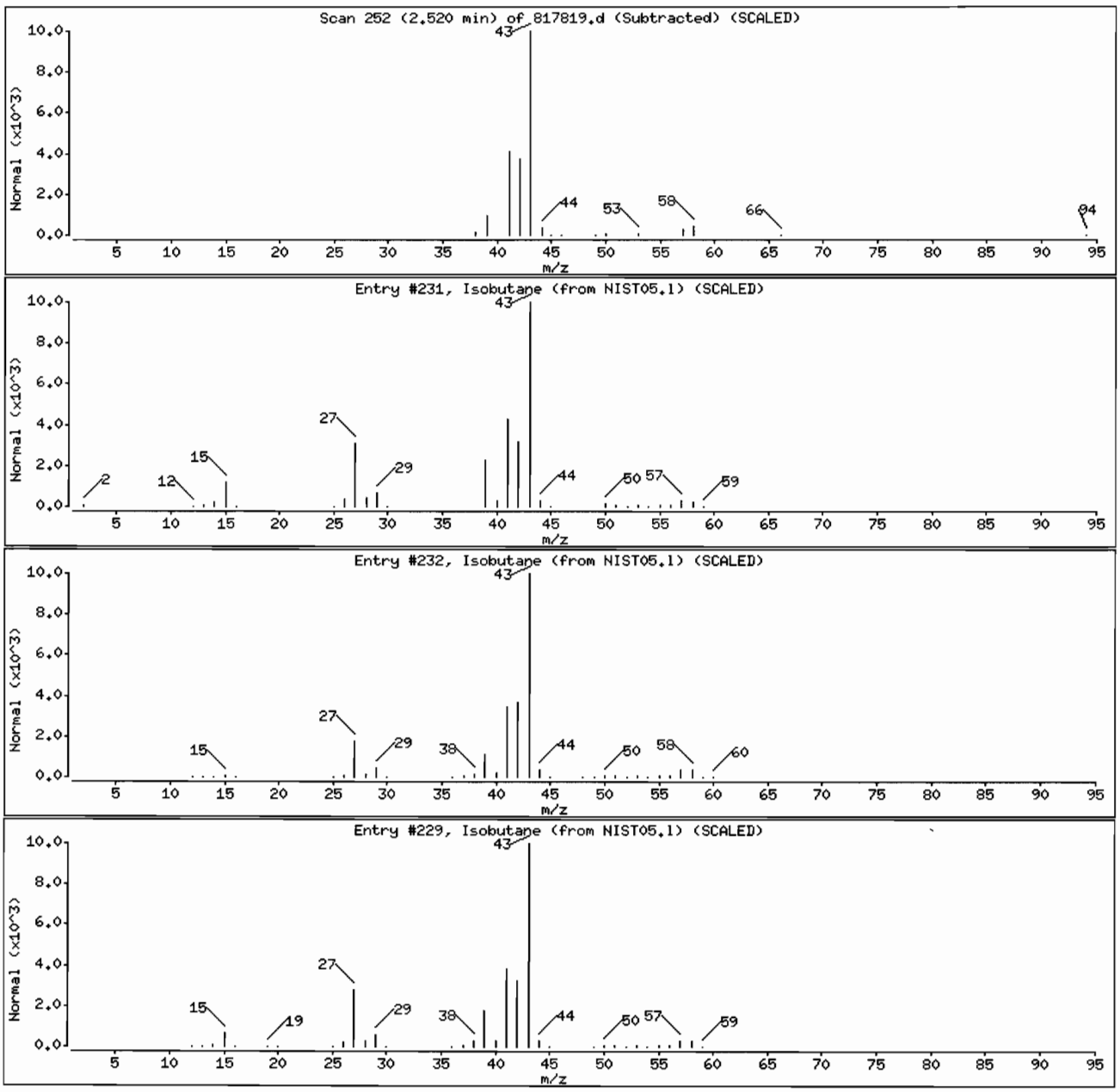
Client ID: SB2GW211-212 Instrument: M.i

Sample Info: ISCO-SB-2-GW211'-212':[ ]01/14/10 @1600(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Isobutane	75-28-5	NIST05.1	231	72	C4H10	58
Isobutane	75-28-5	NIST05.1	232	72	C4H10	58
Isobutane	75-28-5	NIST05.1	229	72	C4H10	58



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

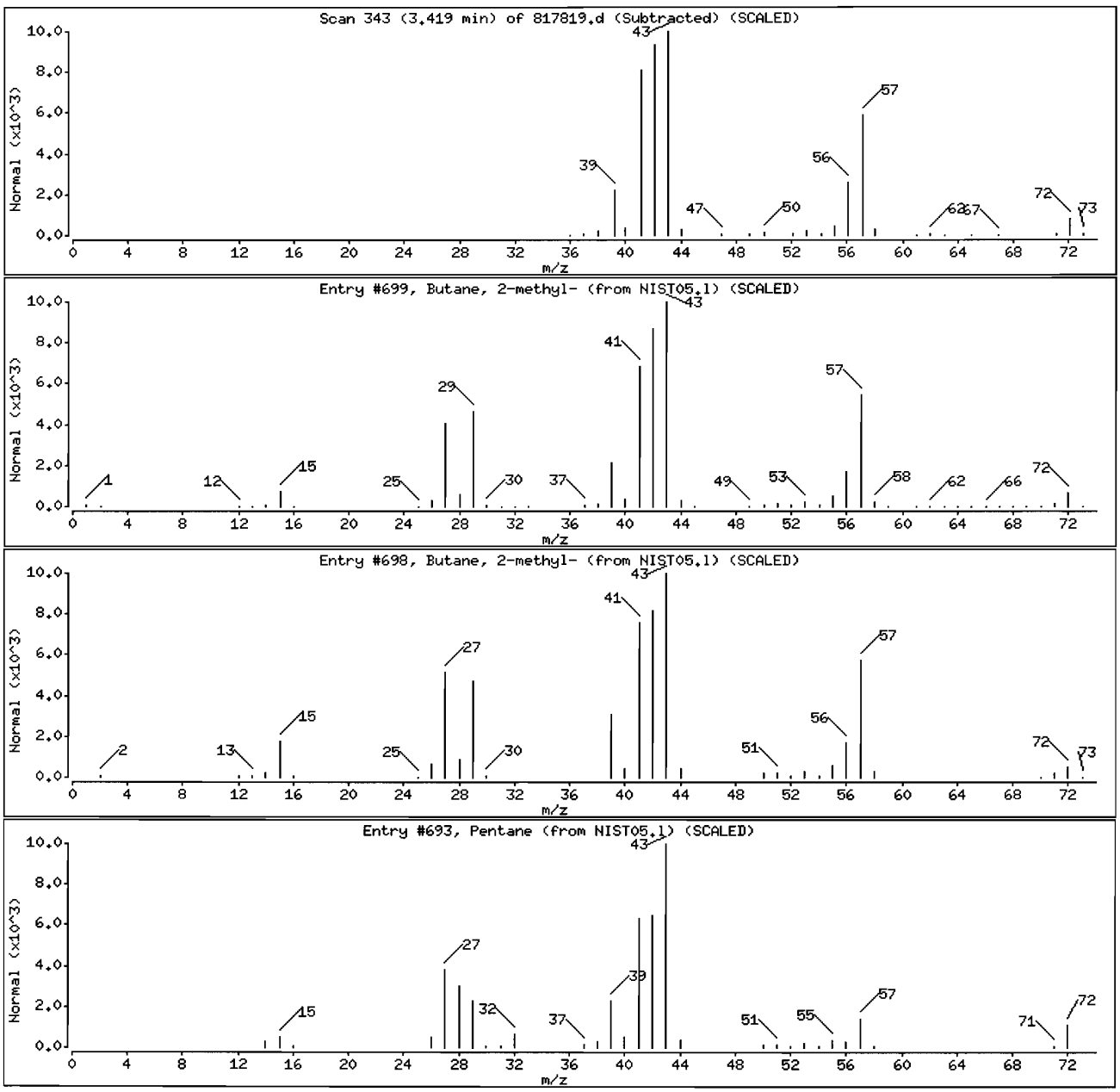
Client ID: SB2GW211-212 Instrument: M.i

Sample Info: ISCO-SB-2-GW211'-212':[ ]01/14/10 @1600(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Butane, 2-methyl-	78-78-4	NIST05.l	699	86	C5H12	72
Butane, 2-methyl-	78-78-4	NIST05.l	698	78	C5H12	72
Pentane	109-66-0	NIST05.l	693	43	C5H12	72



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

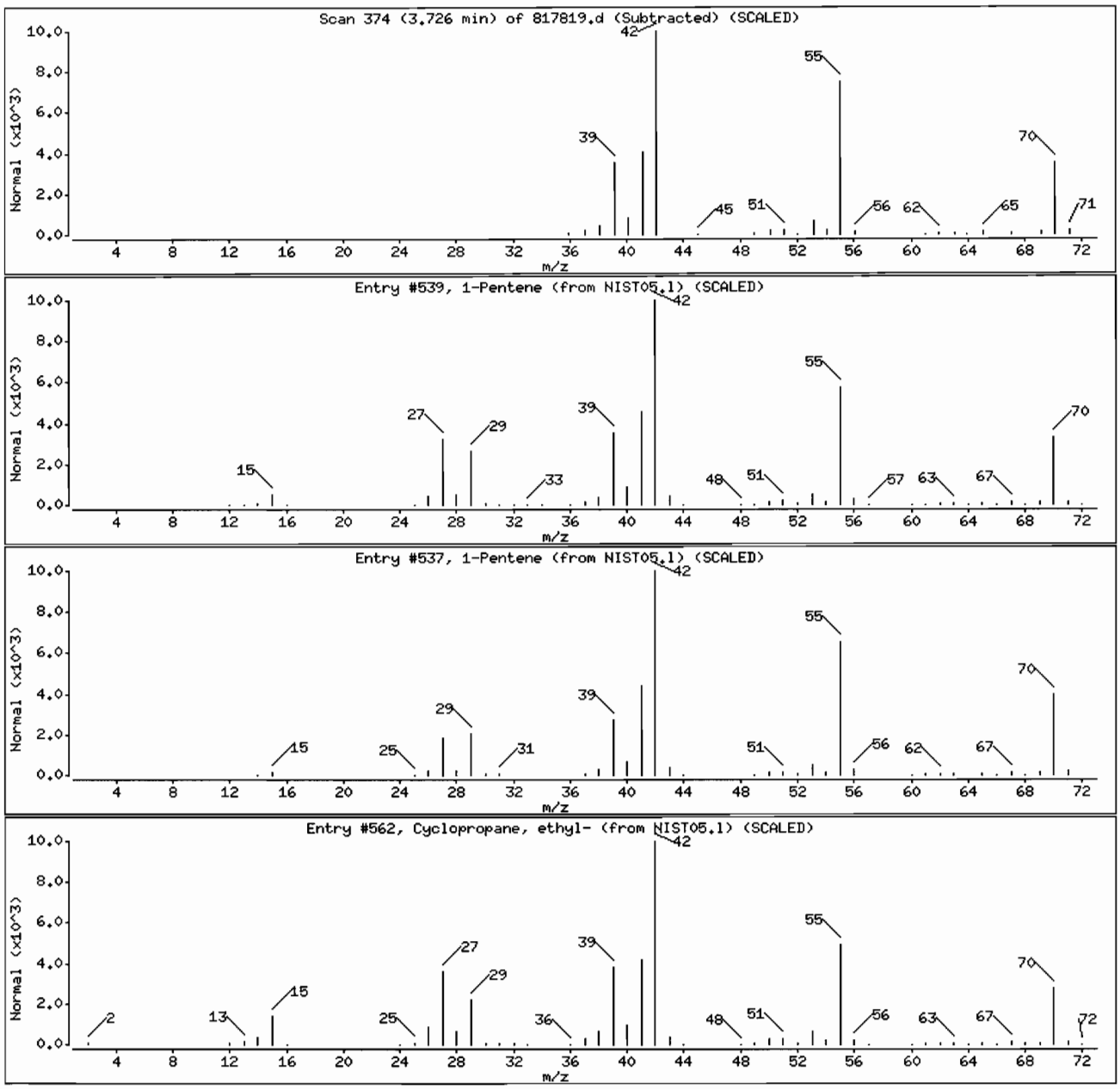
Client ID: SB2GW211-212 Instrument: M.i

Sample Info: ISCO-SB-2-GW211'-212':[J01/14/10 @1600(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Pentene	109-67-1	NIST05.l	539	90	C5H10	70
1-Pentene	109-67-1	NIST05.l	537	90	C5H10	70
Cyclopropane, ethyl-	1191-96-4	NIST05.l	562	83	C5H10	70



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

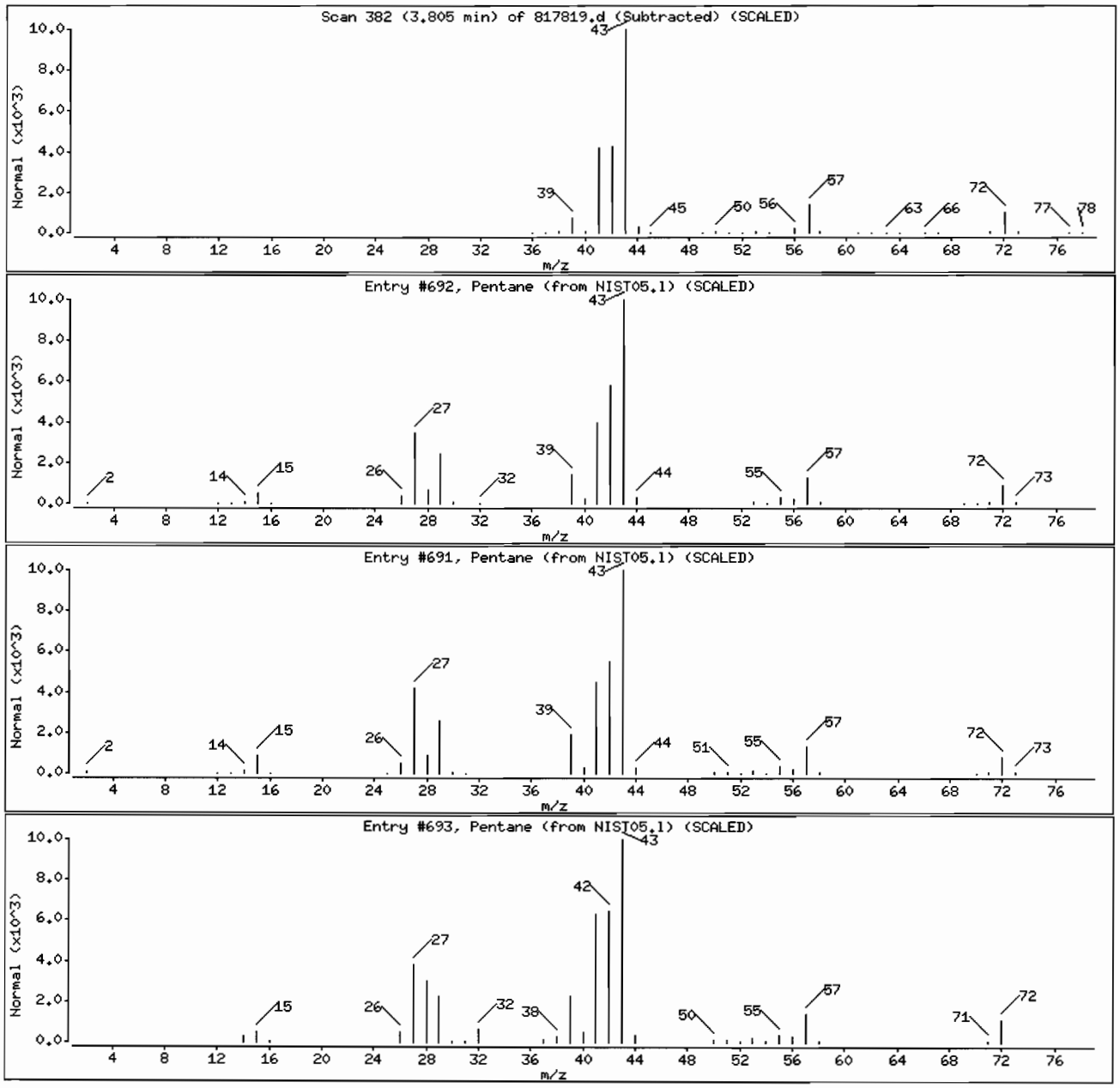
Client ID: SB2GW211-212 Instrument: M.i

Sample Info: ISCO-SB-2-GW211'-212':[J01/14/10 @1600(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Pentane	109-66-0	NIST05.1	692	86	C5H12	72
Pentane	109-66-0	NIST05.1	691	78	C5H12	72
Pentane	109-66-0	NIST05.1	693	72	C5H12	72



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

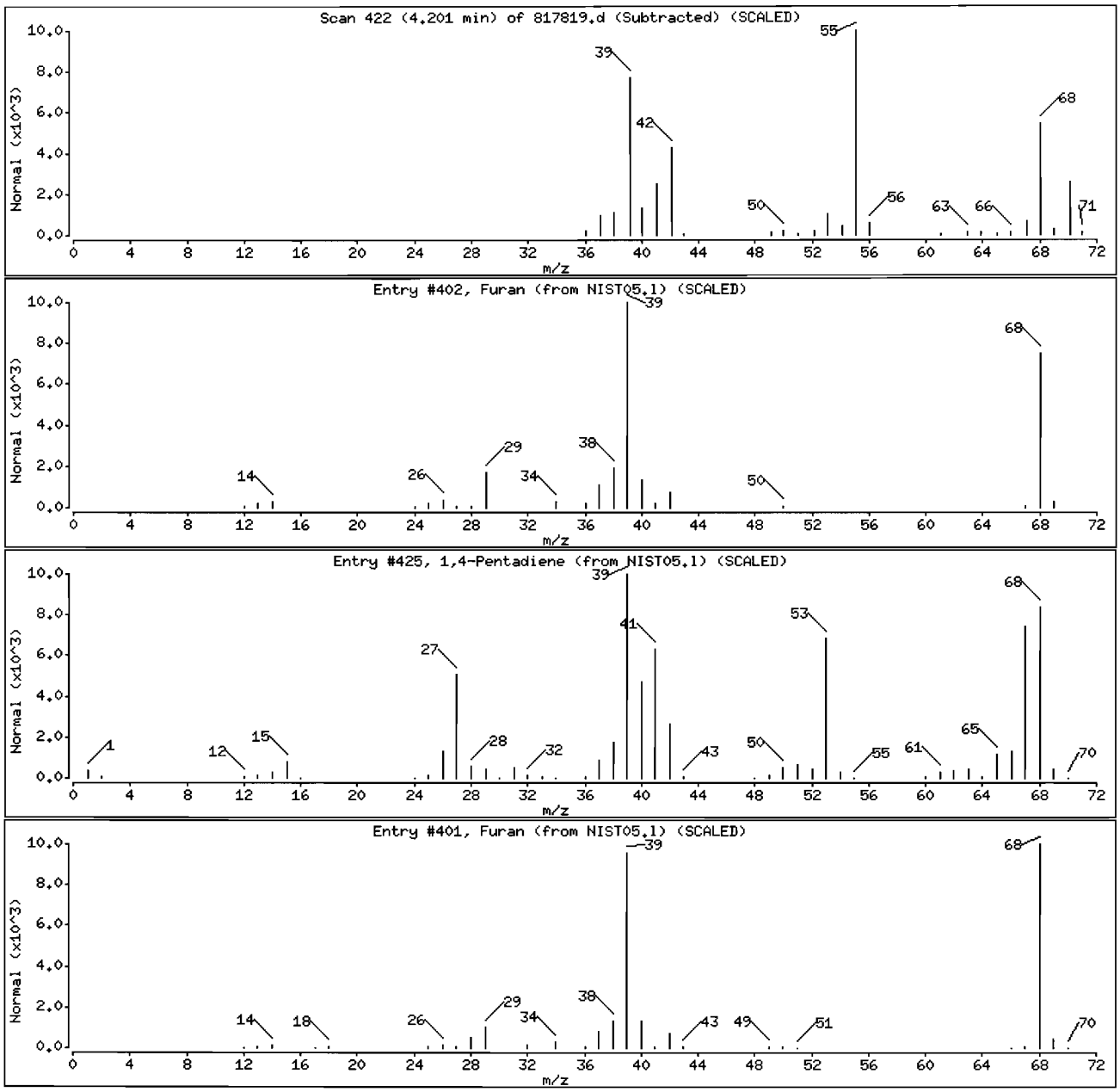
Client ID: SB2GW211-212 Instrument: M.i

Sample Info: ISCO-SB-2-GW211'-212':[J01/14/10 @1600(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Furan	110-00-9	NIST05.l	402	72	C4H4O	68
1,4-Pentadiene	591-93-5	NIST05.l	425	64	C5H8	68
Furan	110-00-9	NIST05.l	401	59	C4H4O	68



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

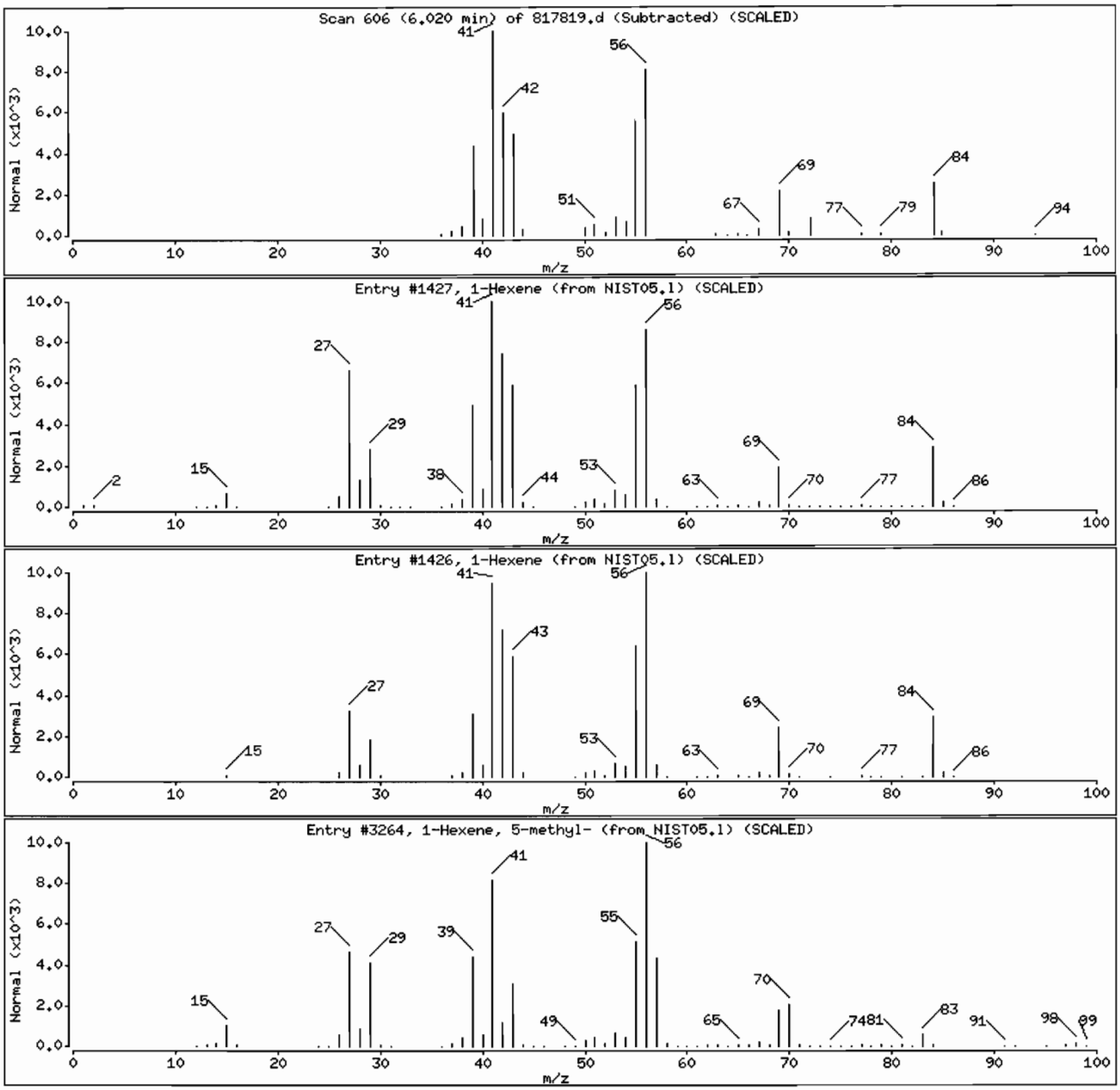
Client ID: SB2GW211-212 Instrument: M.i

Sample Info: ISCO-SB-2-GW211'-212':[ ]01/14/10 @1600(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Hexene	592-41-6	NIST05.1	1427	94	C6H12	84
1-Hexene	592-41-6	NIST05.1	1426	76	C6H12	84
1-Hexene, 5-methyl-	3524-73-0	NIST05.1	3264	53	C7H14	98



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

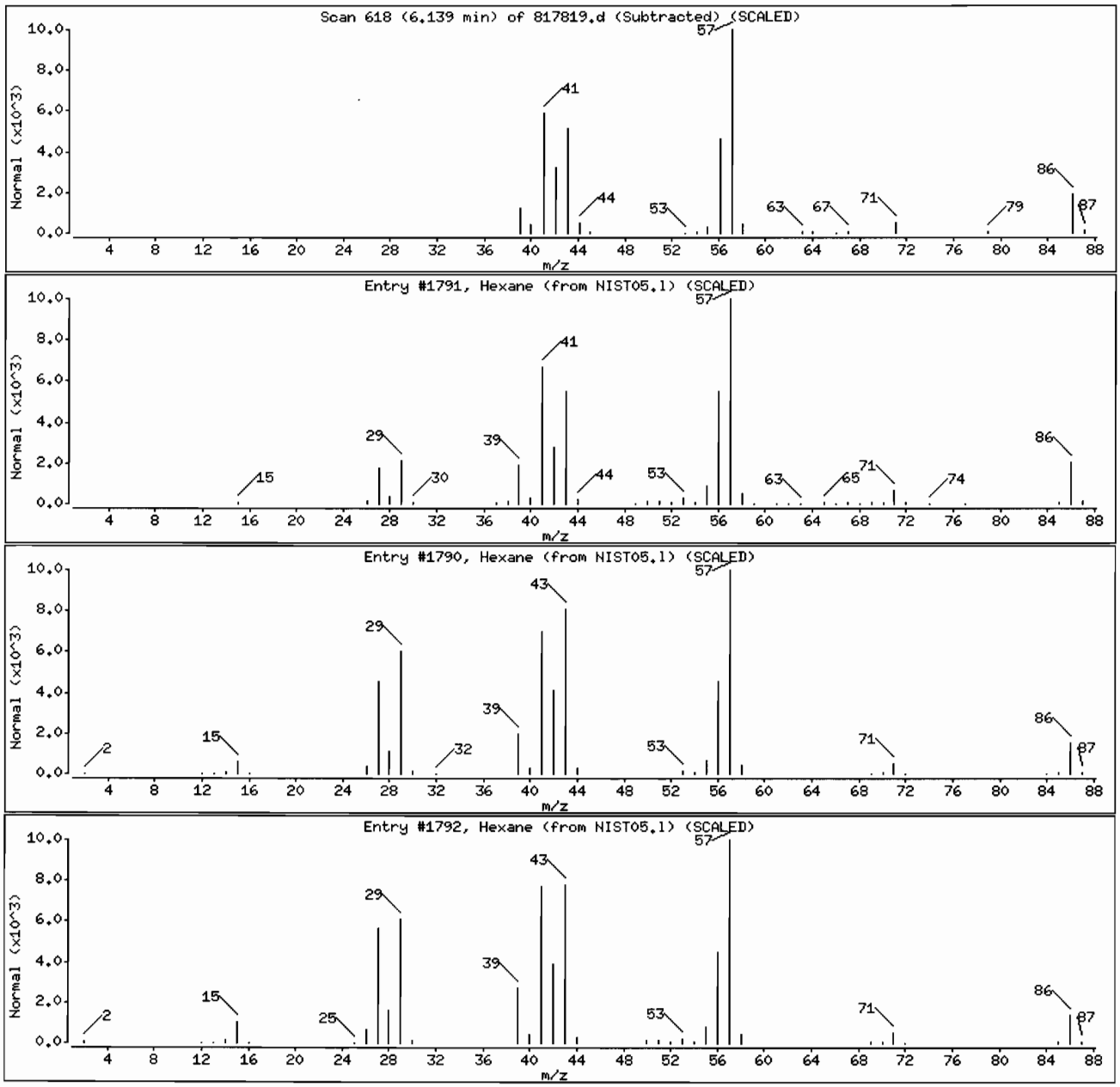
Client ID: SB2GW211-212 Instrument: M.i

Sample Info: ISCO-SB-2-GW211'-212':[ ]01/14/10 @1600(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Hexane	110-54-3	NIST05.l	1791	91	C6H14	86
Hexane	110-54-3	NIST05.l	1790	83	C6H14	86
Hexane	110-54-3	NIST05.l	1792	72	C6H14	86



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

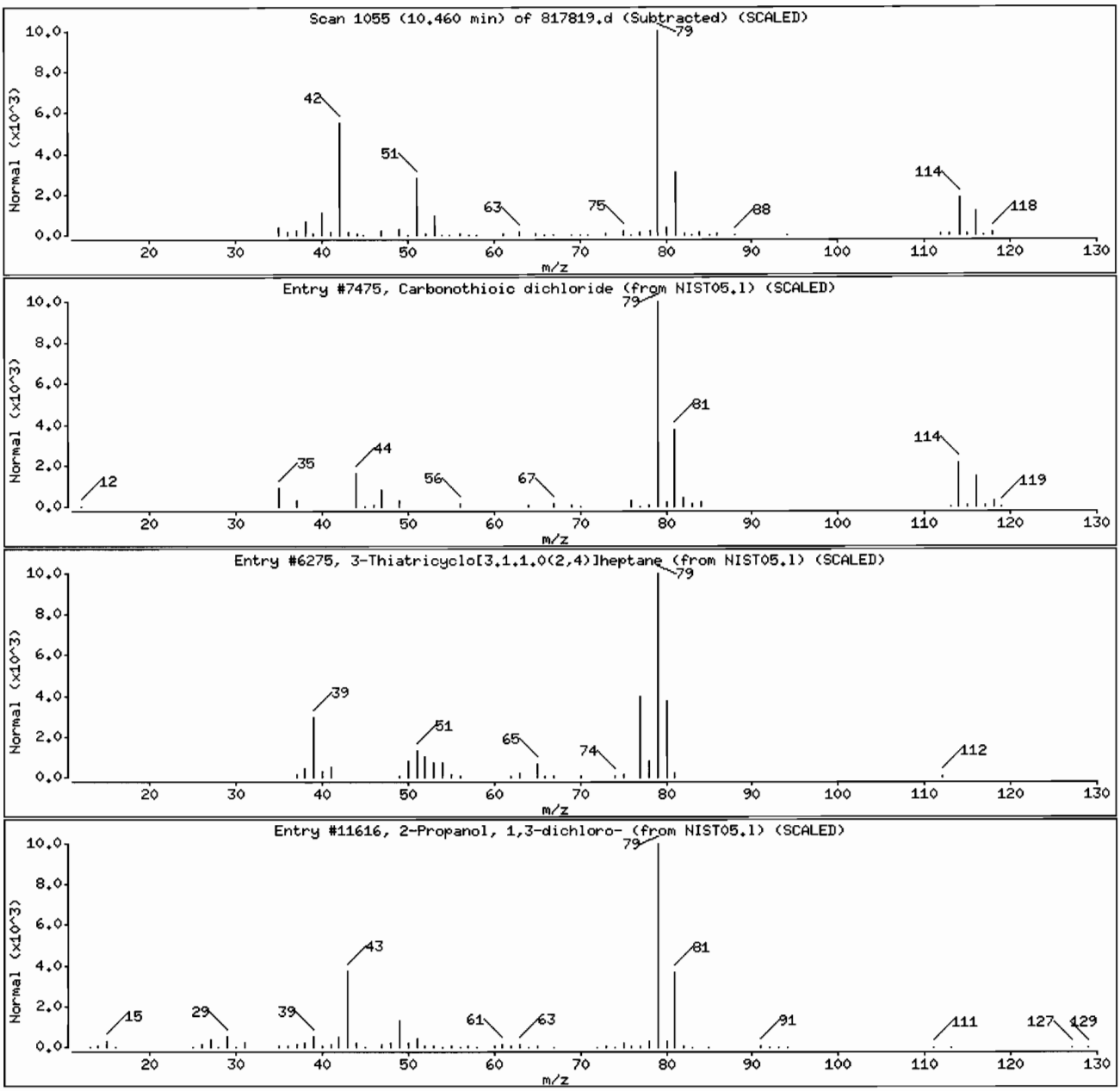
Client ID: SB2GW211-212 Instrument: M.i

Sample Info: ISCO-SB-2-GW211'-212':[ ]01/14/10 @1600(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	37	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.l	6275	37	C6H8S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.l	11616	32	C3H6Cl2O	128



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

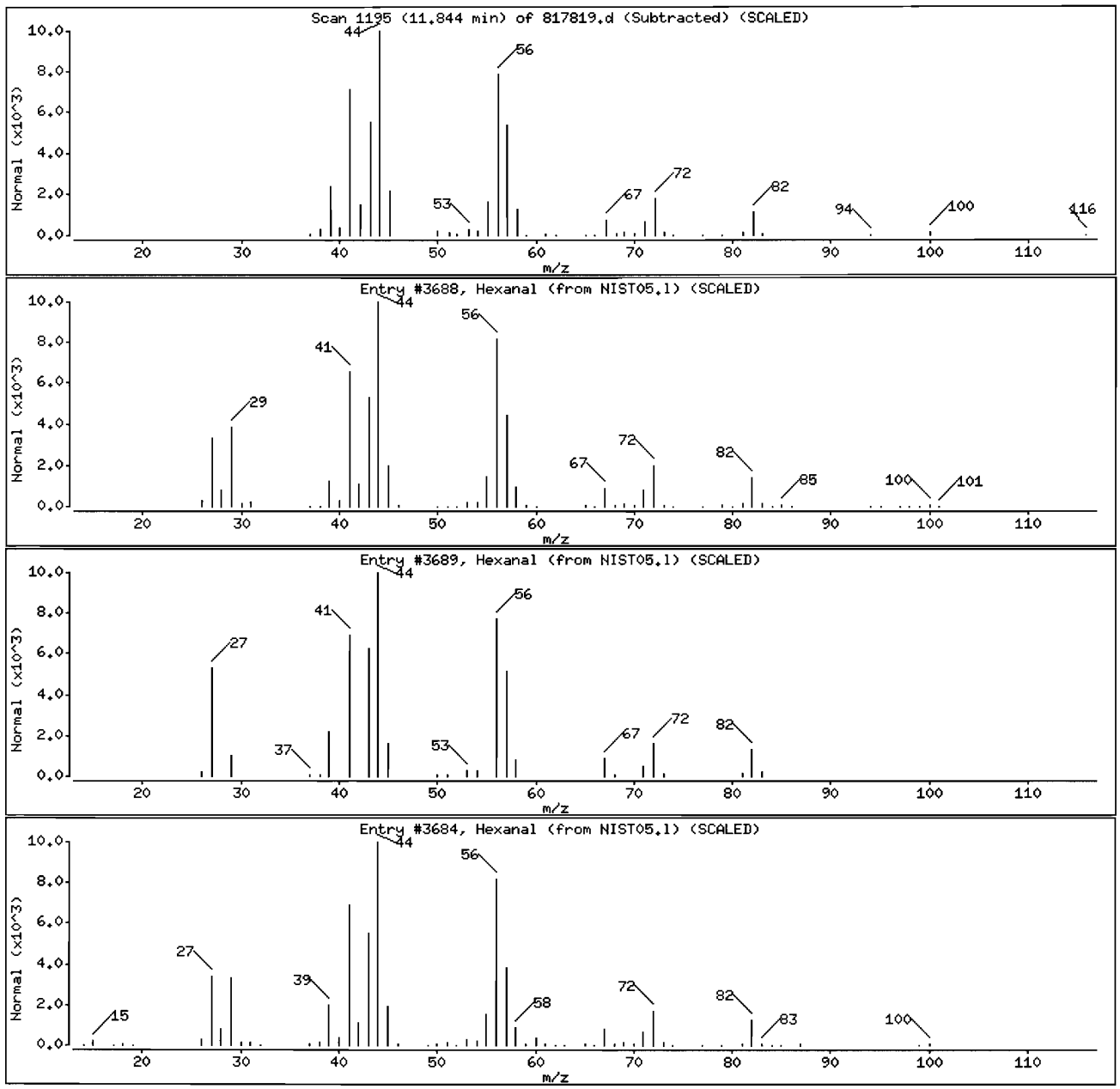
Client ID: SB2GW211-212 Instrument: M.i

Sample Info: ISCO-SB-2-GW211'-212':[ ]01/14/10 @1600(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	NIST05.l	3688	94	C6H12O	100
Hexanal	66-25-1	NIST05.l	3689	86	C6H12O	100
Hexanal	66-25-1	NIST05.l	3684	83	C6H12O	100



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

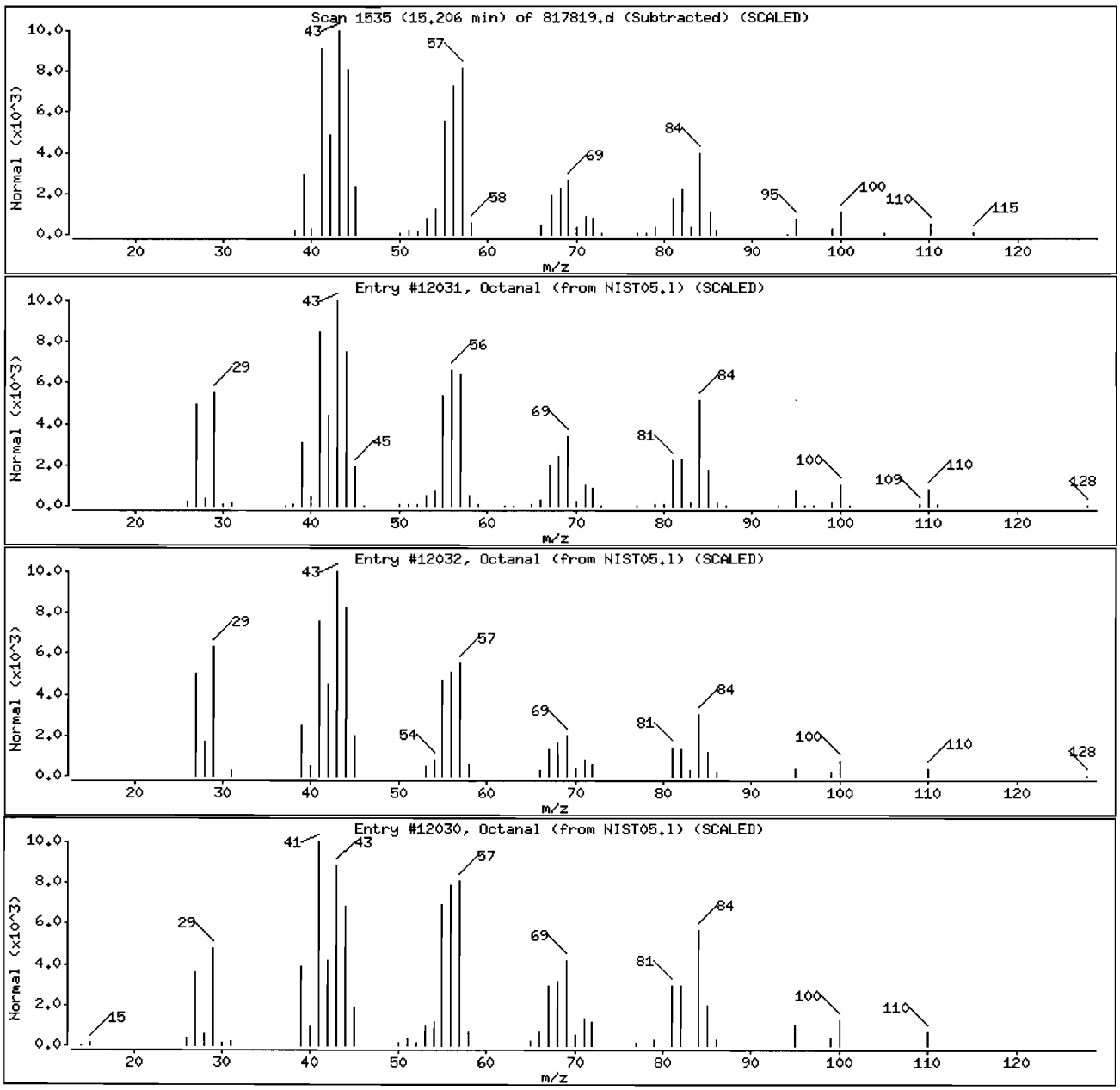
Client ID: SB2GW211-212 Instrument: M.i

Sample Info: ISCO-SB-2-GW211'-212':[J01/14/10 @1600(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octanal	124-13-0	NIST05.1	12031	72	C8H160	128
Octanal	124-13-0	NIST05.1	12032	64	C8H160	128
Octanal	124-13-0	NIST05.1	12030	53	C8H160	128



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

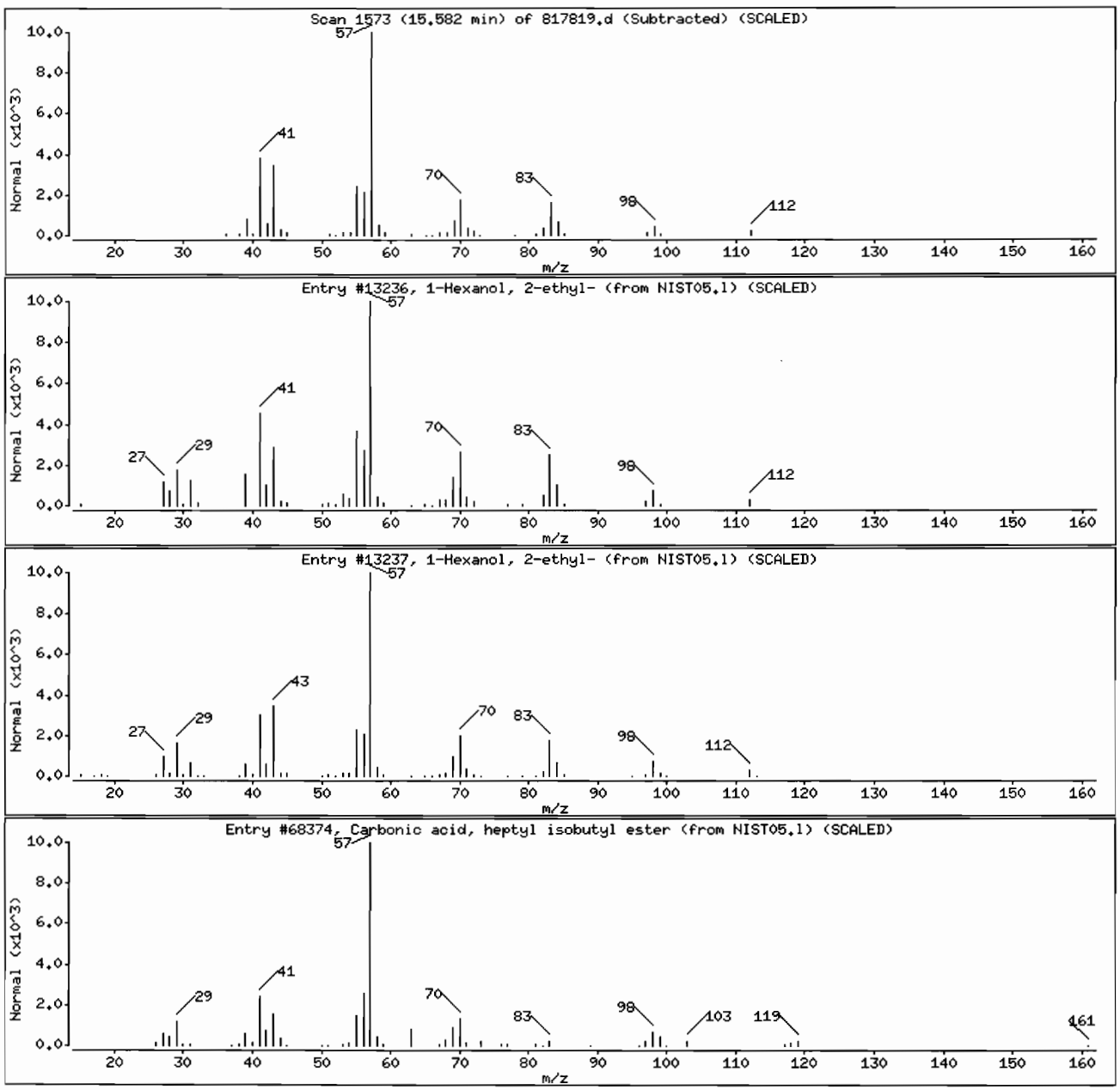
Client ID: SB2GW211-212 Instrument: M.i

Sample Info: ISCO-SB-2-GW211'-212':[ ]01/14/10 @1600(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alcohol						
1-Hexanol, 2-ethyl-	104-76-7	NIST05.1	13236	72	C8H18O	130
1-Hexanol, 2-ethyl-	104-76-7	NIST05.1	13237	56	C8H18O	130
Carbonic acid, heptyl isobutyl ester	1000314-60-5	NIST05.1	68374	53	C12H24O3	216



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

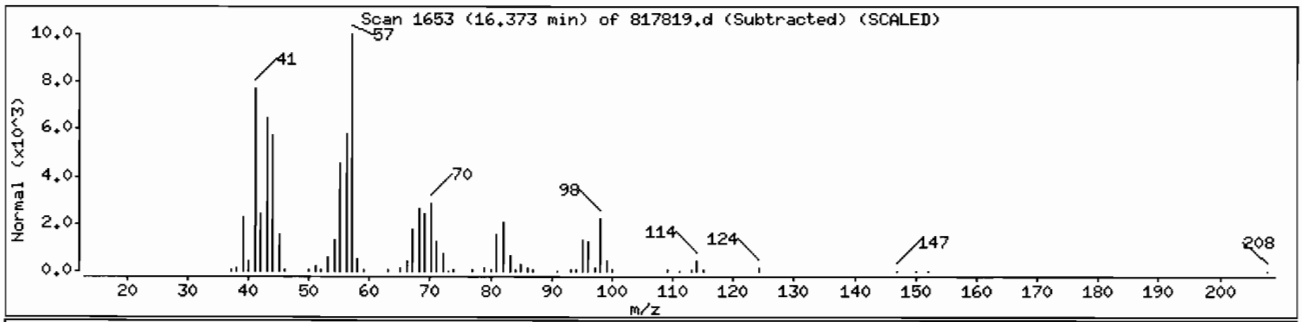
Client ID: SB2GW211-212 Instrument: M.i

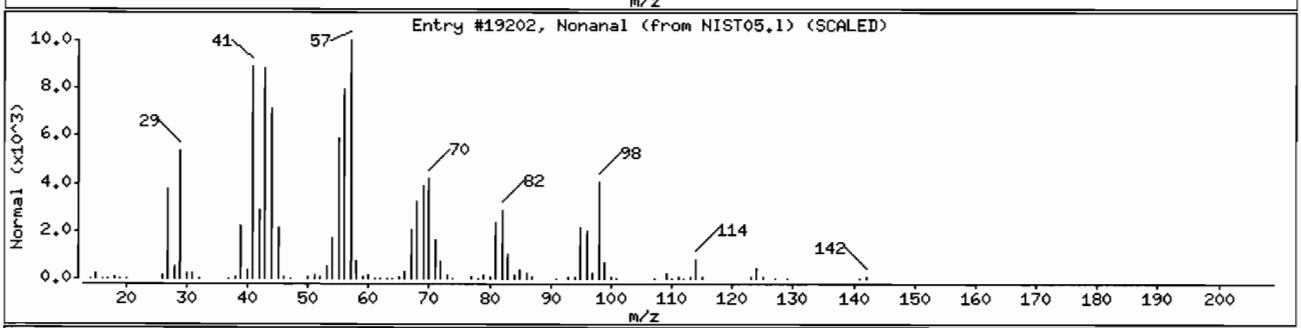
Sample Info: ISCO-SB-2-GW211'-212':[ ]01/14/10 @1600(WATER)

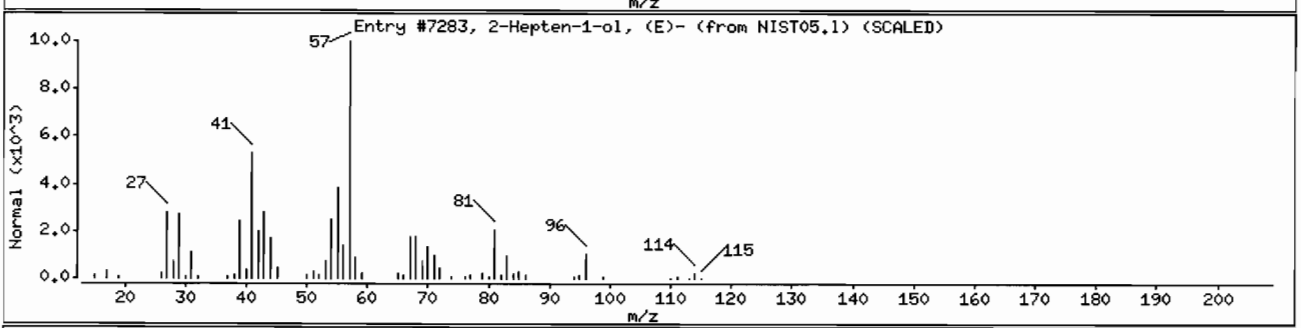
Purge Volume: 25.0 Operator: MRV

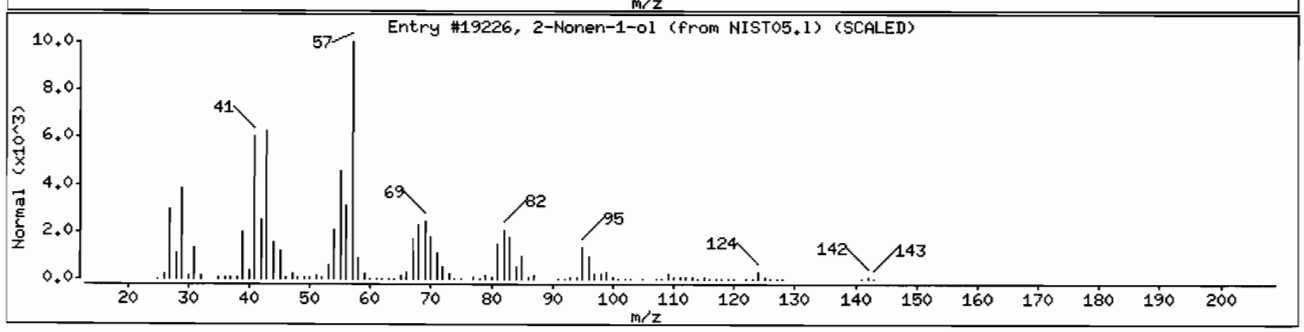
Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Nonanal	124-19-6	NIST05.1	19202	86	C9H18O	142
2-Hepten-1-ol, (E)-	33467-76-4	NIST05.1	7283	38	C7H14O	114
2-Nonen-1-ol	22104-79-6	NIST05.1	19226	35	C9H18O	142









Data File: /chem/M.i/Msvr.p/maoasmtr.b/817819.d

Date : 19-JAN-2010 18:15

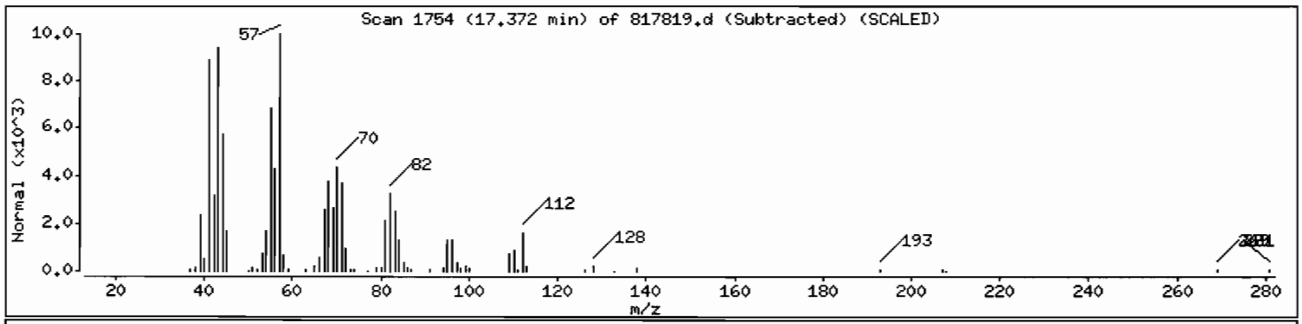
Client ID: SB2GW211-212 Instrument: M.i

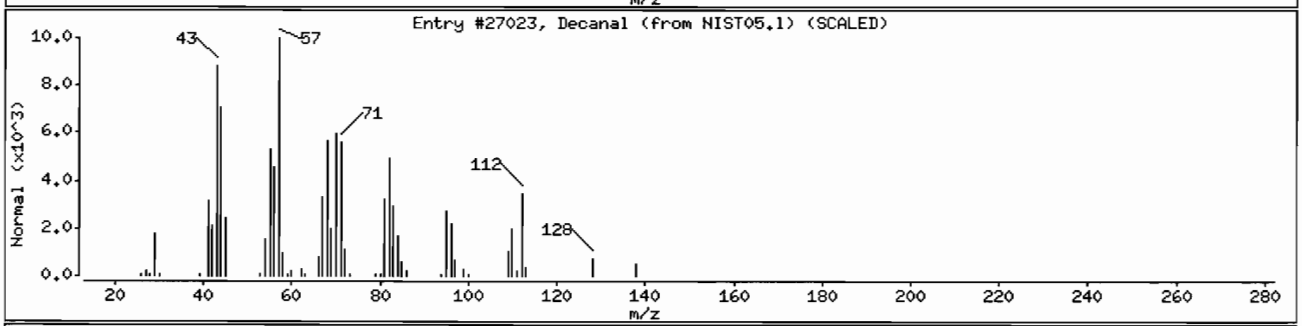
Sample Info: ISCO-SB-2-GW211'-212':[ ]01/14/10 @1600(WATER)

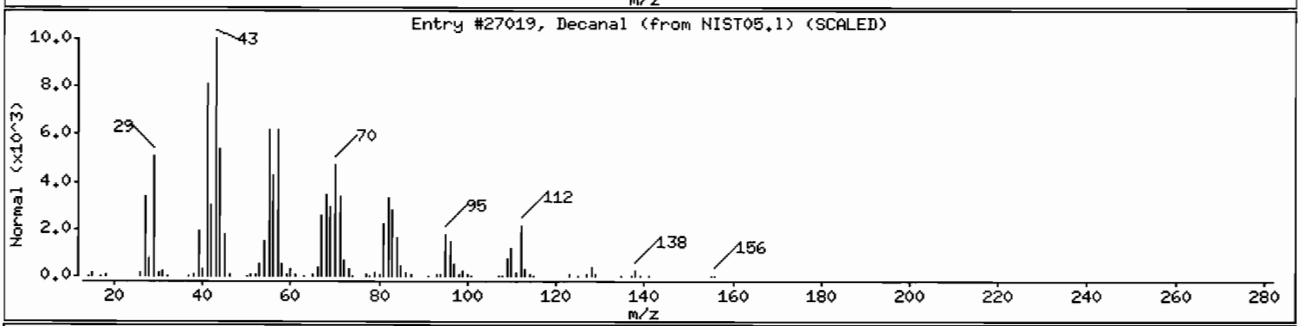
Purge Volume: 25.0 Operator: MRV

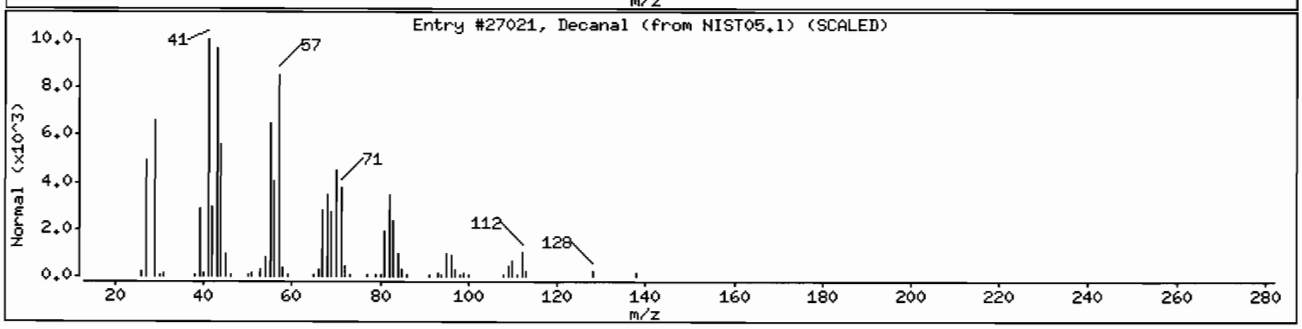
Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decanal	112-31-2	NIST05.l	27023	91	C10H20O	156
Decanal	112-31-2	NIST05.l	27019	91	C10H20O	156
Decanal	112-31-2	NIST05.l	27021	91	C10H20O	156









1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2GW221-222

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817822

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817822

Level: (TRACE/LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	14	
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	1.2	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.60	
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2GW221-222

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817822

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817822

Level: (TRACE/LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	1.0	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.49	J
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.26	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.43	J
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB2GW221-222

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817822

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817822

Level: (TRACE or LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	4.91	0.59	J
02		Unknown	10.46	3.7	JXB
03	66-25-1	Hexanal	11.84	1.3	NJ
04		Unknown alcohol	15.58	0.72	J
05		Unknown	16.38	0.81	J
06	112-31-2	Decanal	17.38	0.60	NJ
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

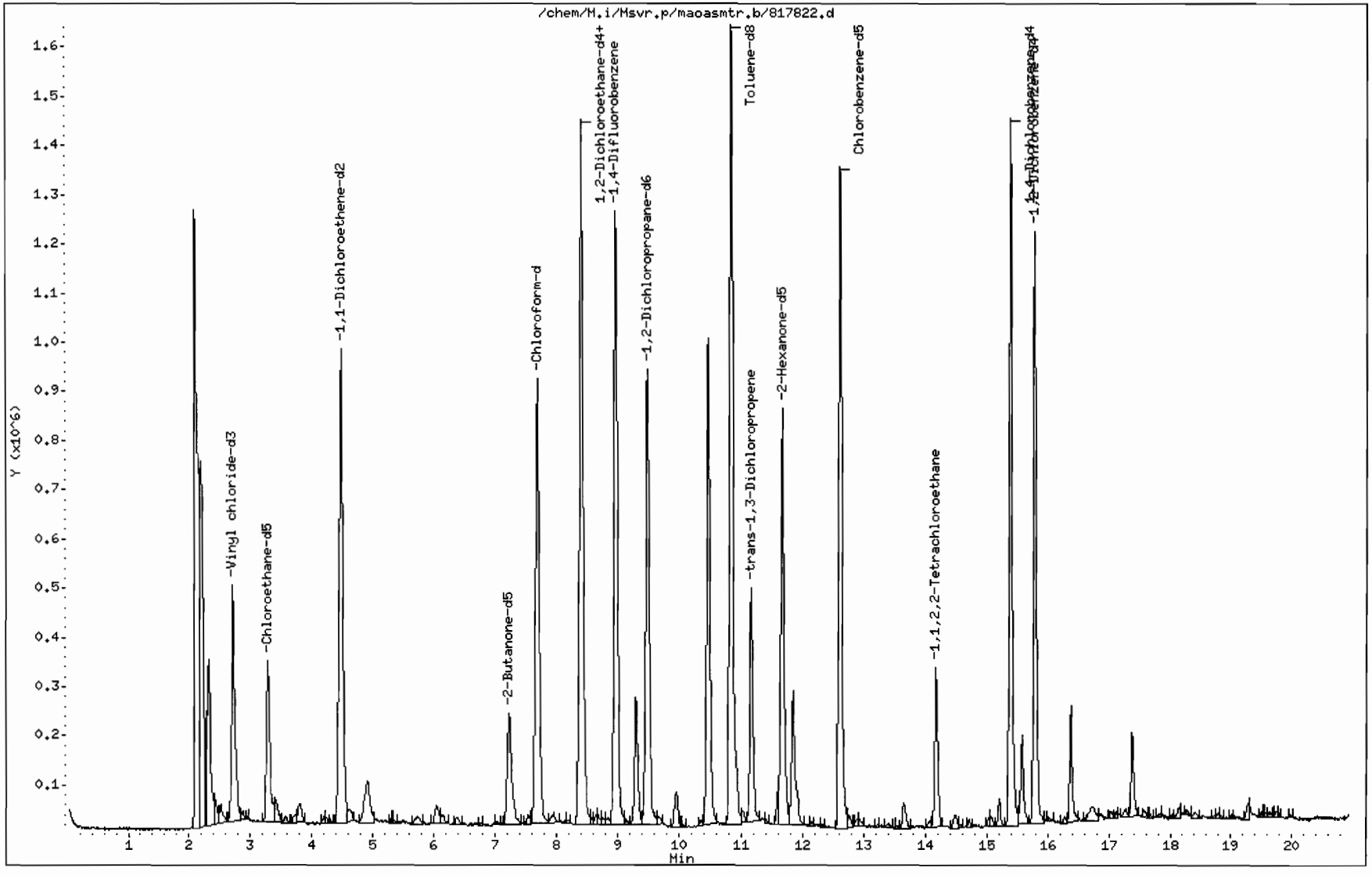
(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/M.i/Msvr.p/maoasmtr.b/817822.d
Date : 19-JAN-2010 18:47
Client ID: SB2GW221-222
Sample Info: ISCO-SB-2-GW221'-222':[ ]01/15/10 @0900(WATER)
Purge Volume: 25.0
Column phase: DB-624

Page 6

Instrument: M.i
Operator: MRV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/817822.d
Lab Smp Id: 817822 Client Smp ID: SB2GW221-222
Inj Date : 19-JAN-2010 18:47
Operator : MRV Inst ID: M.i
Smp Info : ISCO-SB-2-GW221'-222':[ ]01/15/10 @0900(WATER)
Misc Info : 817822,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	2.712	2.720	(0.303)	879309	5.24096	5.2
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	3.285	3.294	(0.367)	702746	5.33770	5.3
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	4.472	4.480	(0.499)	1632131	4.47920	4.5
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	4.620	4.629	(0.516)	65260	14.4169	14
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	7.221	7.229	(0.806)	663921	56.2096	56
	20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	21 2-Butanone	43	7.330	7.308	(0.818)	13283	1.17992	1.2(a)
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	7.676	7.684	(0.857)	1310966	5.40661	5.4(Q)
	24 Chloroform	83	7.705	7.714	(0.860)	137025	0.59532	0.60
	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	8.388	8.386	(0.936)	390387	5.06982	5.1(Q)
$	29 Benzene-d6	84	8.397	8.396	(0.666)	1969576	5.14308	5.1
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	8.961	8.960	(1.000)	1795980	5.00000	
	33 Trichloroethene	95	9.297	9.296	(0.737)	178656	1.00290	1.0
$	34 1,2-Dichloropropane-d6	67	9.485	9.484	(0.752)	914339	4.71004	4.7
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	9.950	9.949	(0.789)	87853	0.49357	0.49(a)
	38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	39 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	40 Toluene-d8	98	10.840	10.829	(0.860)	2047432	5.15404	5.2
	41 Toluene	91	10.919	10.908	(0.866)	107896	0.25935	0.26(a)
$	42 trans-1,3-Dichloropropene-d4	79	11.156	11.145	(0.885)	493460	5.16771	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	11.661	11.649	(0.925)	696304	54.0184	54
	47 2-Hexanone	43	Compound Not Detected.					
	48 Dibromochloromethane	129	11.918	11.907	(0.945)	38804	0.42798	0.43(a)
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	12.610	12.599	(1.000)	1380720	5.00000	
	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	14.172	14.161	(1.124)	356137	5.23969	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	15.388	15.387	(1.000)	643193	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	15.784	15.783	(1.026)	516809	5.23636	5.2(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
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/817822.d
Lab Smp Id: 817822 Client Smp ID: SB2GW221-222
Inj Date : 19-JAN-2010 18:47
Operator : MRV Inst ID: M.i
Smp Info : ISCO-SB-2-GW221'-222':[ ]01/15/10 @0900(WATER)
Misc Info : 817822,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	8.961	4780844	5.000
* 50 Chlorobenzene-d5	12.610	4626496	5.000
* 61 1,4-Dichlorobenzene-d4	15.388	4457015	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
4.907	566201	0.59215554	0.59	0	0	0	32

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.464	3520545	3.68192741	3.7	0		0	32
Hexanal				CAS #: 66-25-1			
11.839	1179221	1.27442127	1.3	87	NIST05.l	3688	50
Unknown alcohol				CAS #:			
15.576	638513	0.71630084	0.72	0		0	61
Unknown				CAS #:			
16.377	718555	0.80609458	0.81	0		0	61
Decanal				CAS #: 112-31-2			
17.376	534884	0.60004710	0.60	90	NIST05.l	27023	61

Data File: /chem/M.i/Msvr.p/maoasmtr.b/817822.d

Date : 19-JAN-2010 18:47

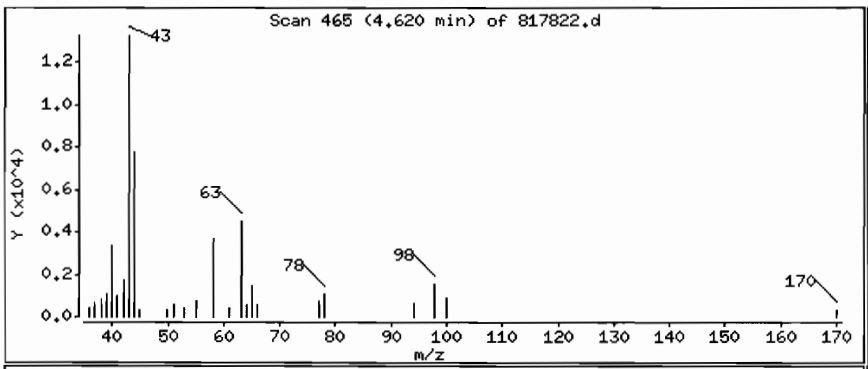
Client ID: SB2GW221-222 Instrument: M.i

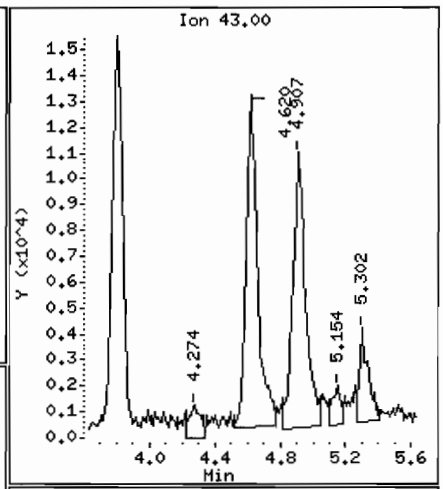
Sample Info: ISCO-SB-2-GW221'-222':[ ]01/15/10 @0900(WATER)

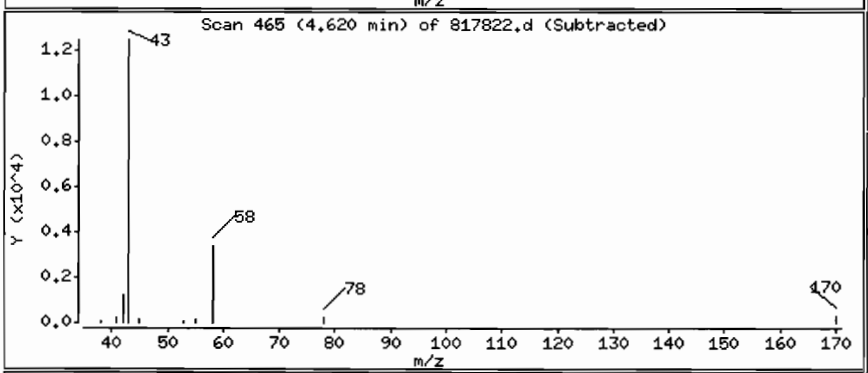
Purge Volume: 25.0 Operator: MRV

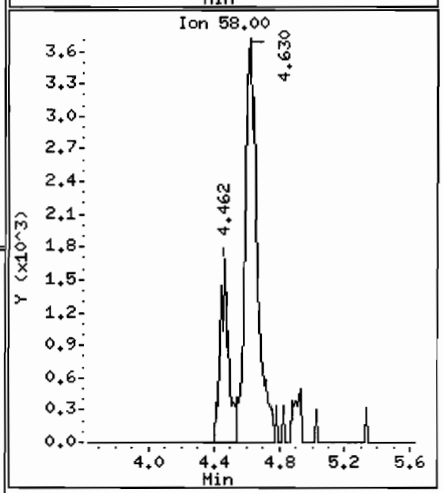
Column phase: DB-624 Column diameter: 0.53

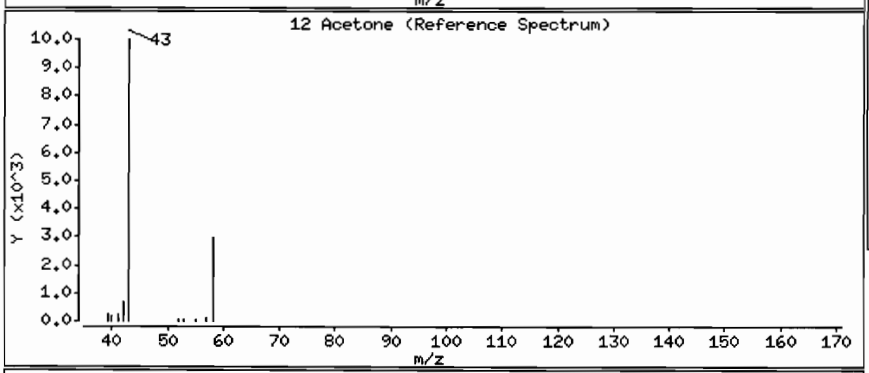
12 Acetone Concentration: 14 ug/L

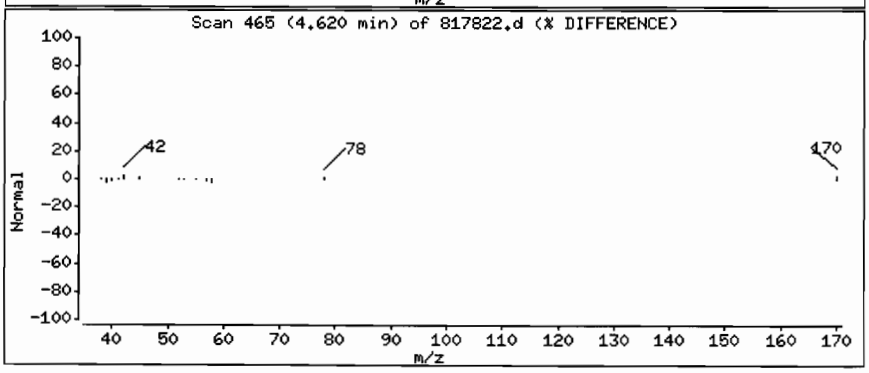












Data File: /chem/M.i/Hsvr.p/maoasmtr.b/817822.d

Date : 19-JAN-2010 18:47

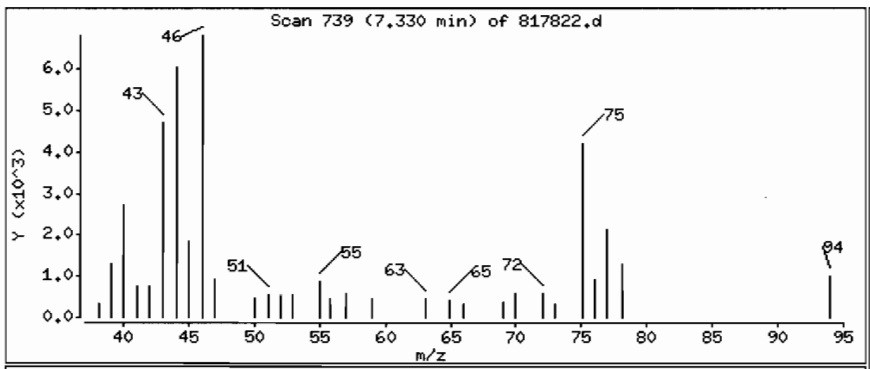
Client ID: SB2GW221-222 Instrument: M.i

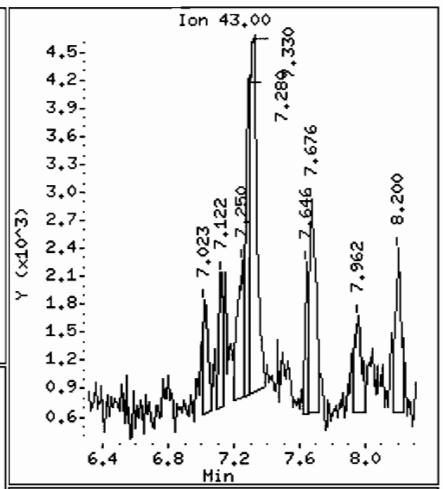
Sample Info: ISCO-SB-2-GW221'-222':[J01/15/10 @0900(WATER)

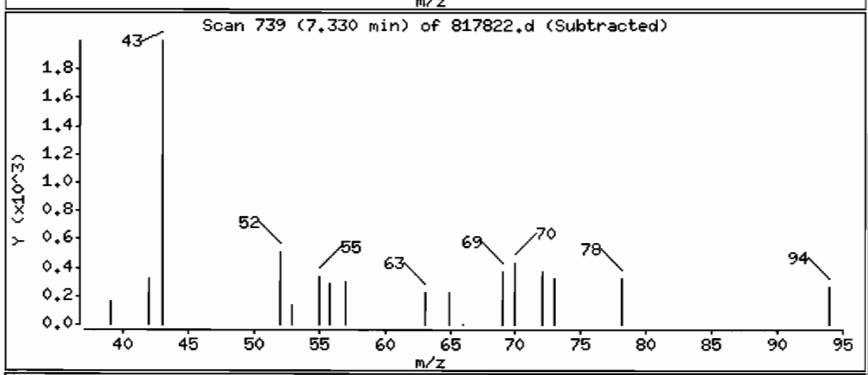
Purge Volume: 25.0 Operator: HRV

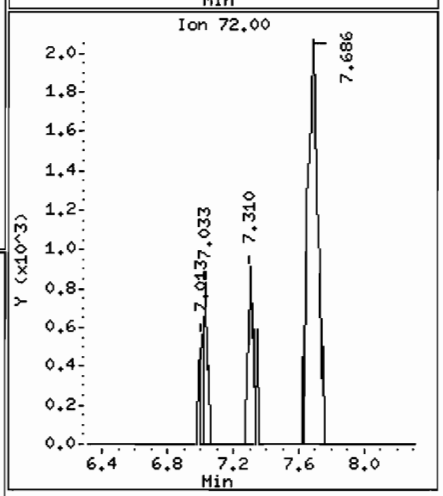
Column phase: DB-624 Column diameter: 0.53

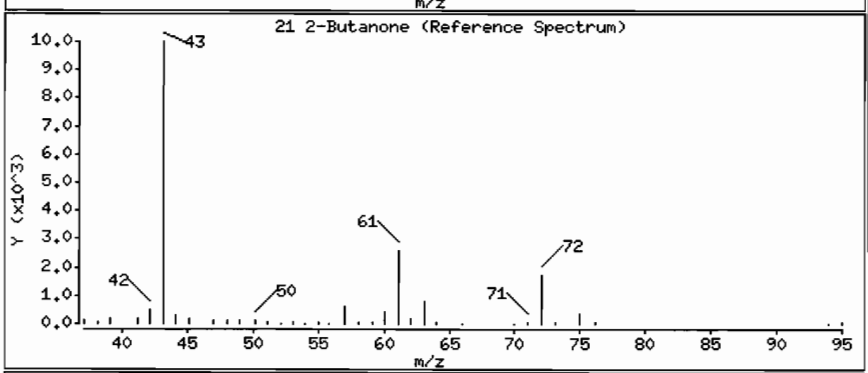
21 2-Butanone Concentration: 1.2 ug/L

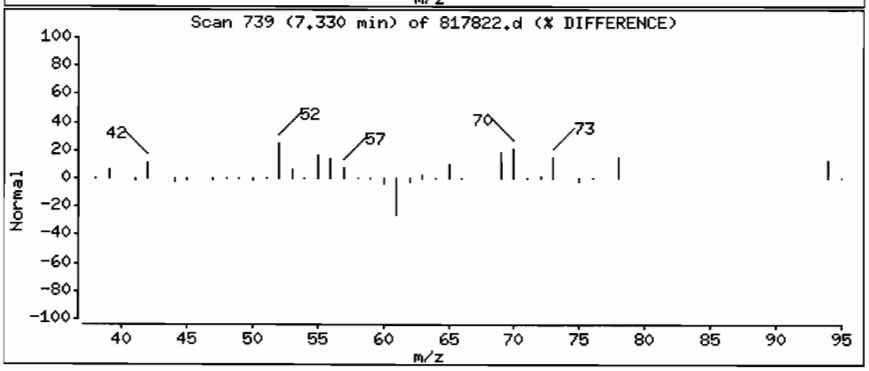












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817822.d

Date : 19-JAN-2010 18:47

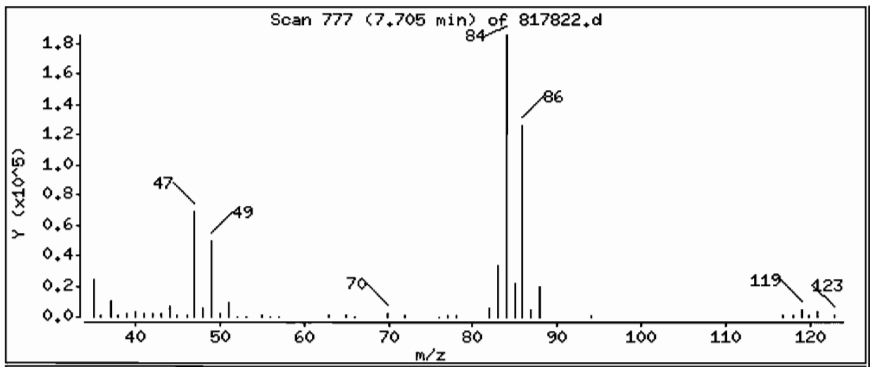
Client ID: SB2GW221-222 Instrument: M.i

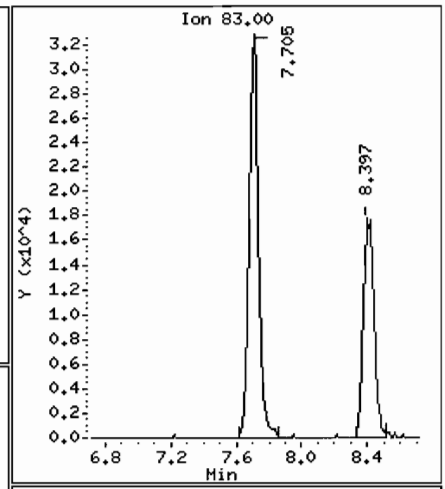
Sample Info: ISCO-SB-2-GW221'-222':[ ]01/15/10 @0900(WATER)

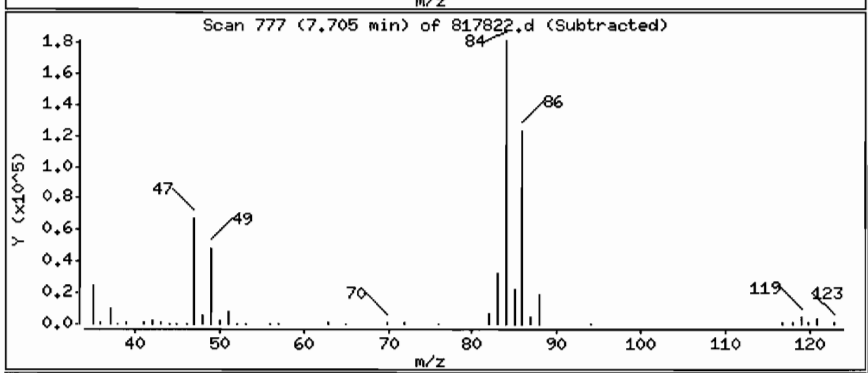
Purge Volume: 25.0 Operator: MRV

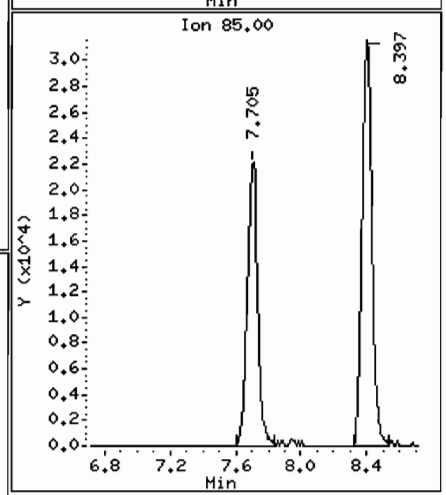
Column phase: DB-624 Column diameter: 0.53

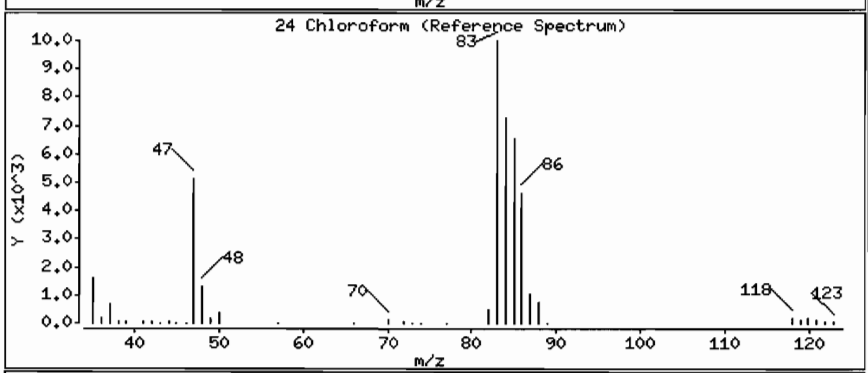
24 Chloroform Concentration: 0.60 ug/L

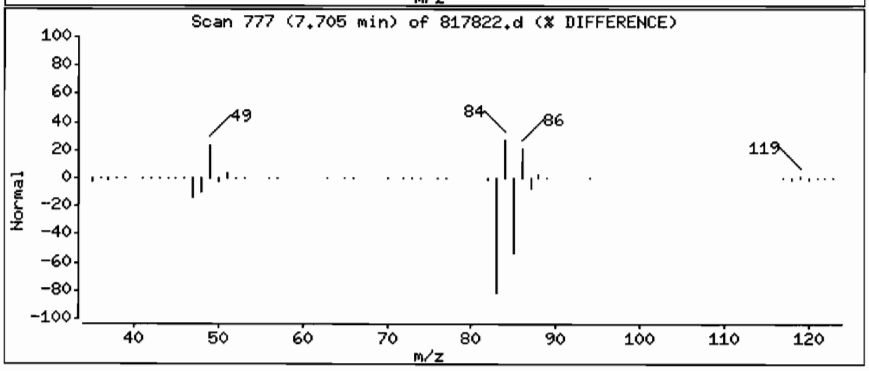












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817822.d

Page 10

Date : 19-JAN-2010 18:47

Client ID: SB2GW221-222

Instrument: M.i

Sample Info: ISCO-SB-2-GW221'-222':[ ]01/15/10 @0900(WATER)

Purge Volume: 25.0

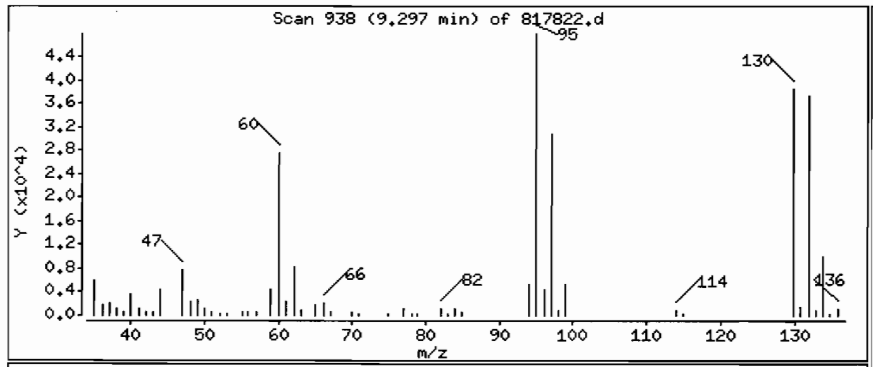
Operator: MRV

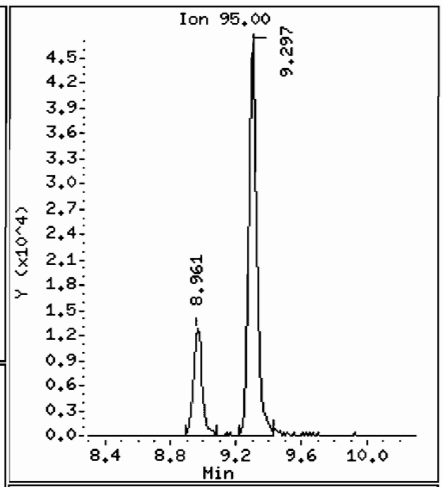
Column phase: DB-624

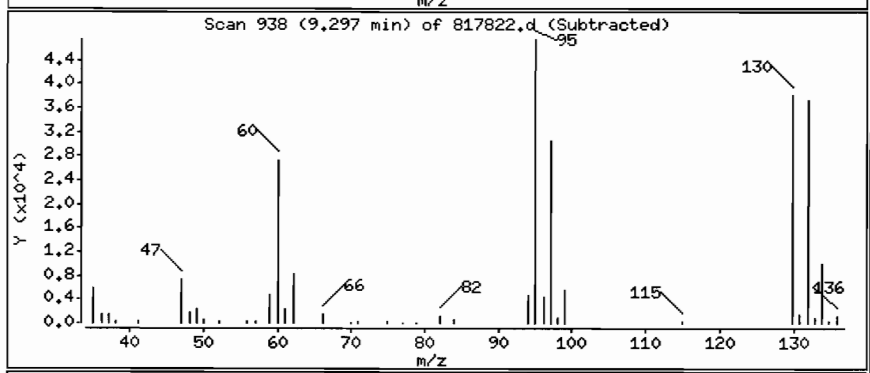
Column diameter: 0.53

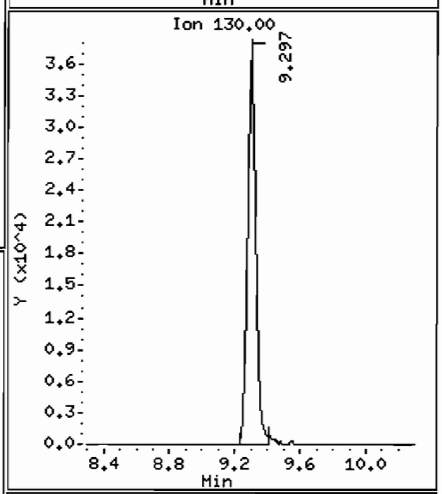
33 Trichloroethene

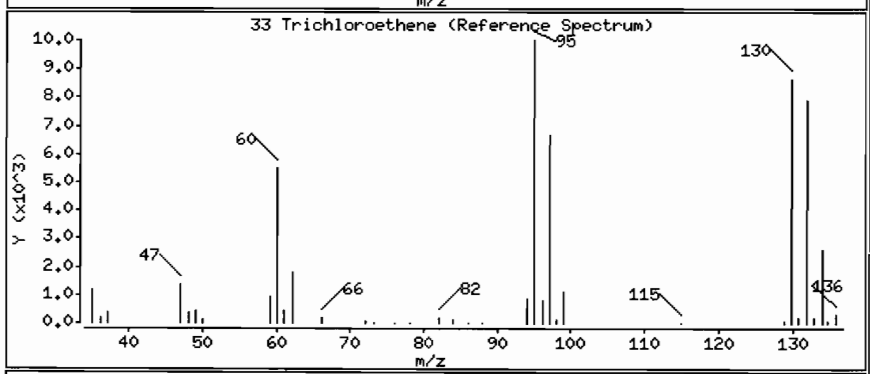
Concentration: 1.0 ug/L

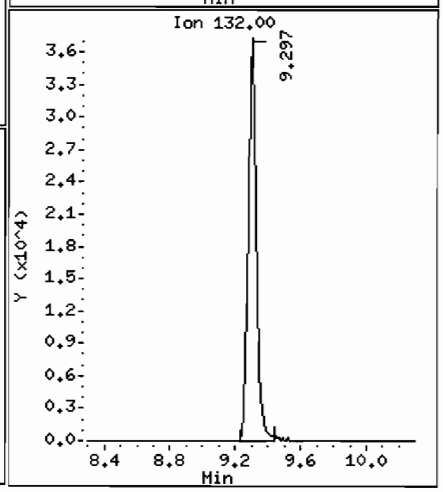


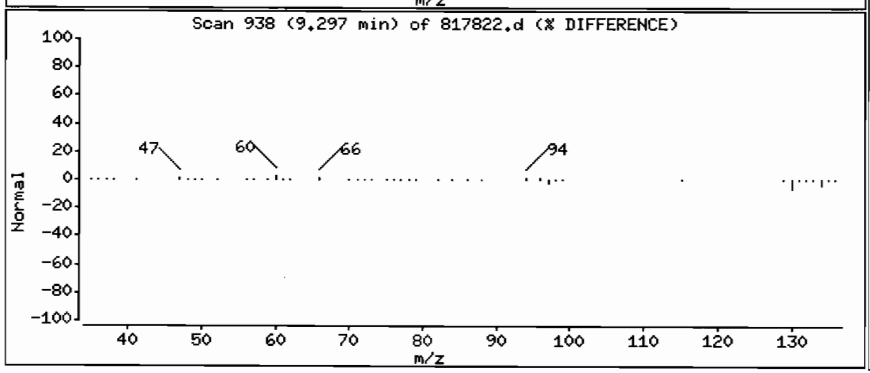












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817822.d

Date : 19-JAN-2010 18:47

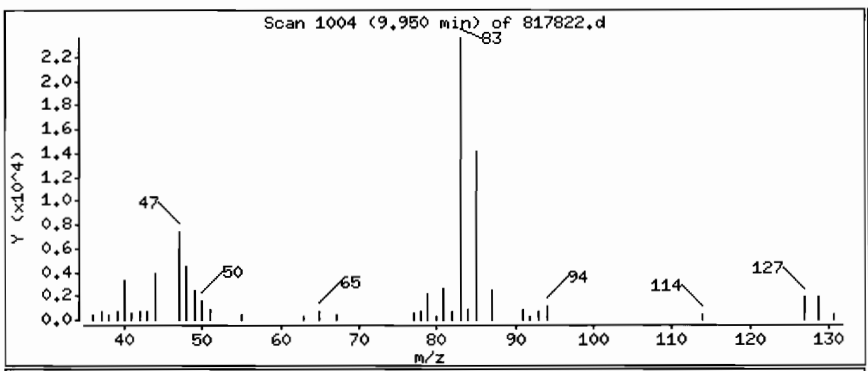
Client ID: SB2GW221-222 Instrument: M.i

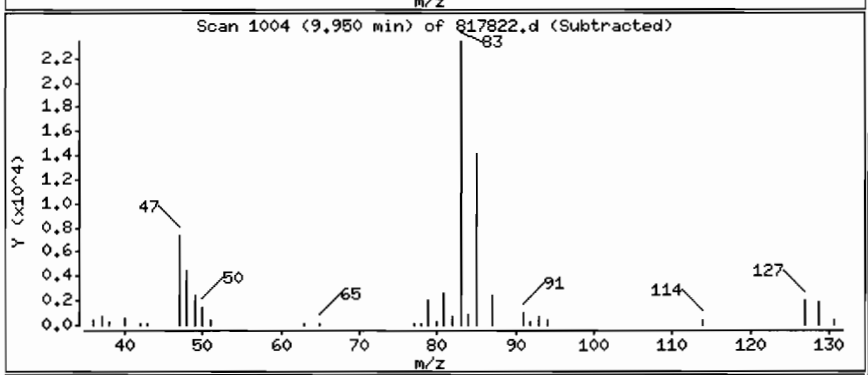
Sample Info: ISCO-SB-2-GW221'-222':[J01/15/10 @0900(WATER)

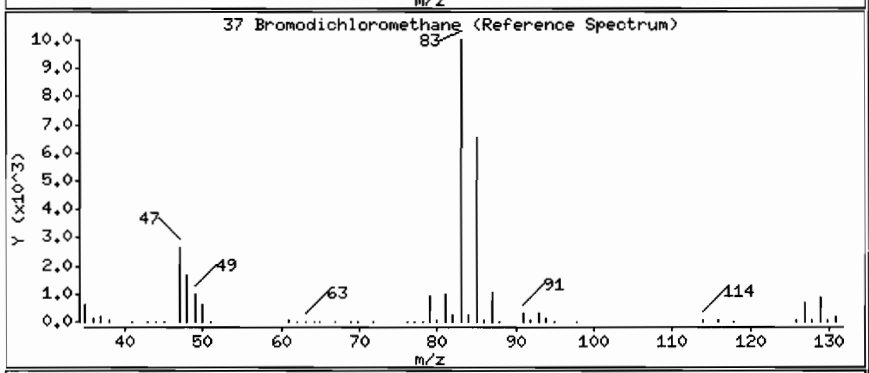
Purge Volume: 25.0 Operator: MRV

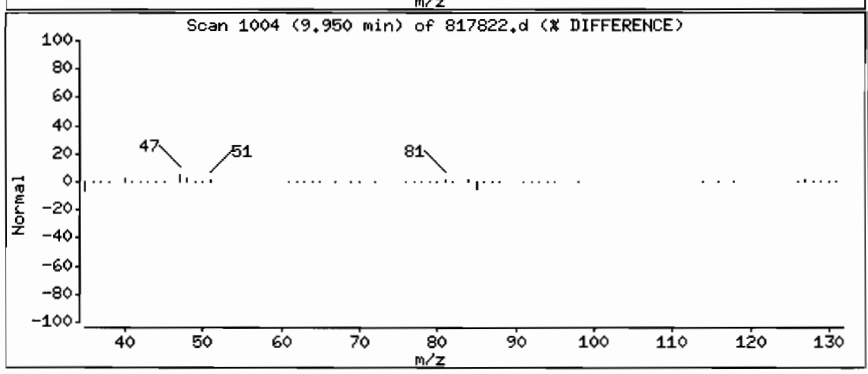
Column phase: DB-624 Column diameter: 0.53

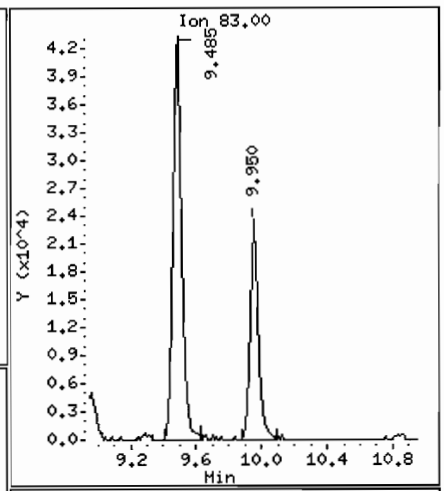
37 Bromodichloromethane Concentration: 0.49 ug/L

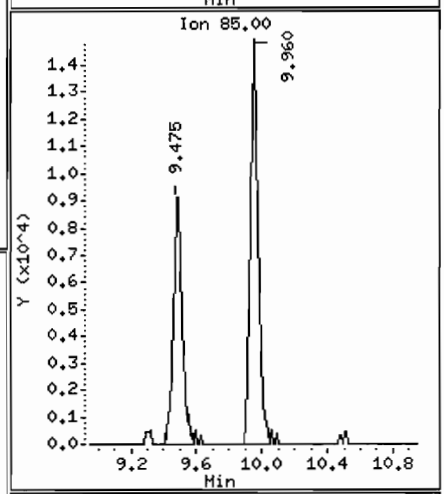


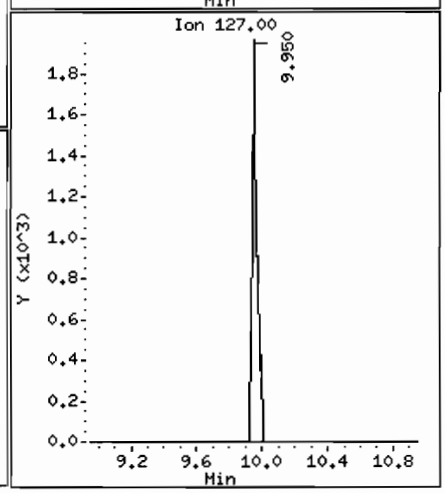












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817822.d

Date : 19-JAN-2010 18:47

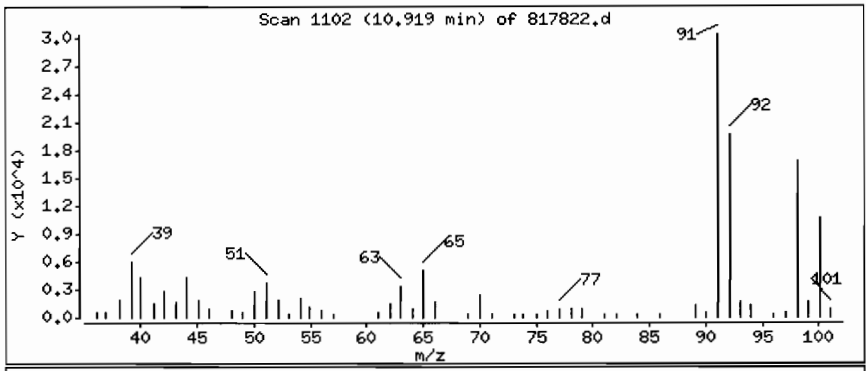
Client ID: SB2GW221-222 Instrument: M.i

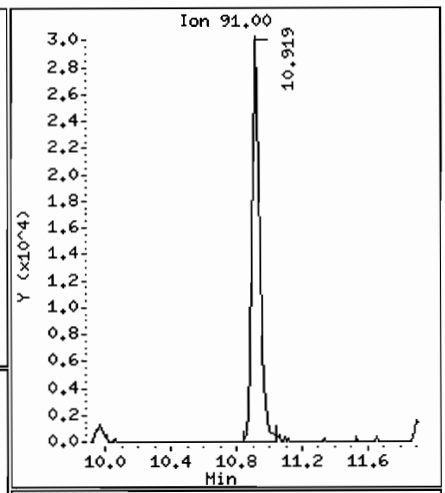
Sample Info: ISCO-SB-2-GW221'-222':[ ]01/15/10 @0900(WATER)

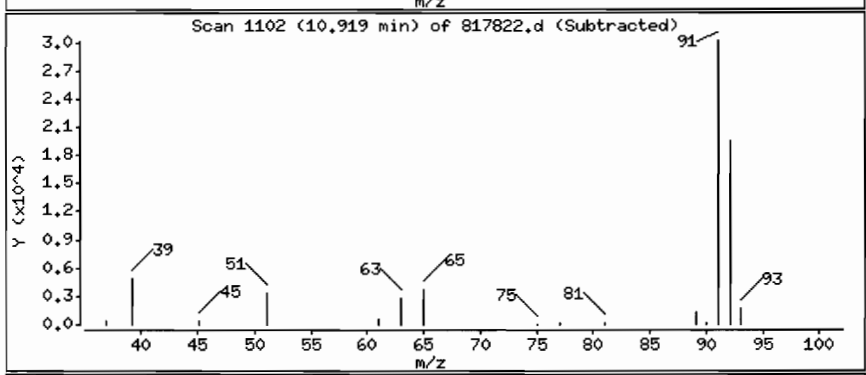
Purge Volume: 25.0 Operator: MRV

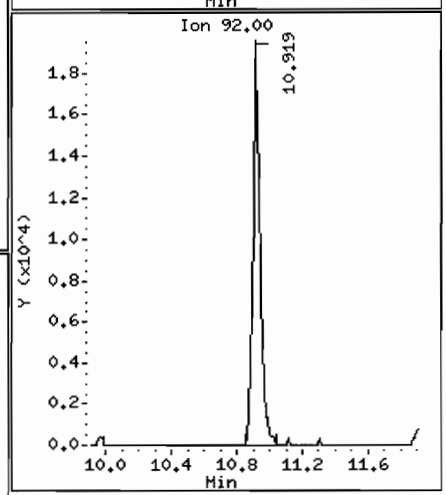
Column phase: DB-624 Column diameter: 0.53

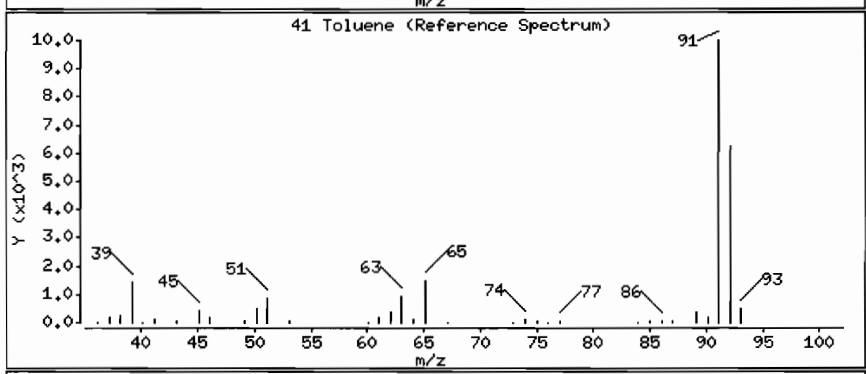
41 Toluene Concentration: 0.26 ug/L

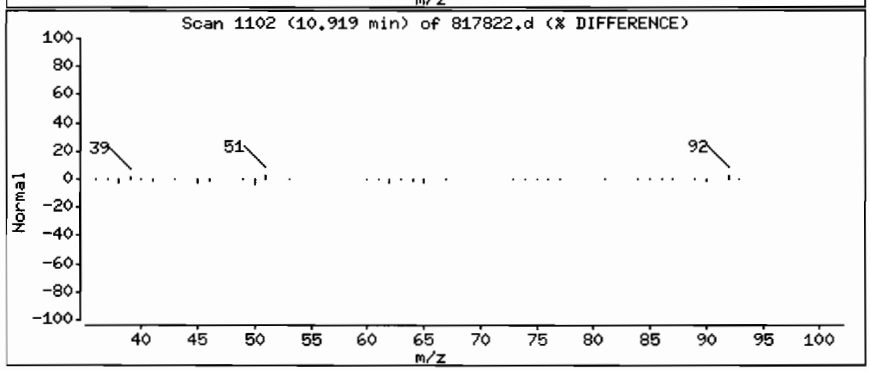












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817822.d

Date : 19-JAN-2010 18:47

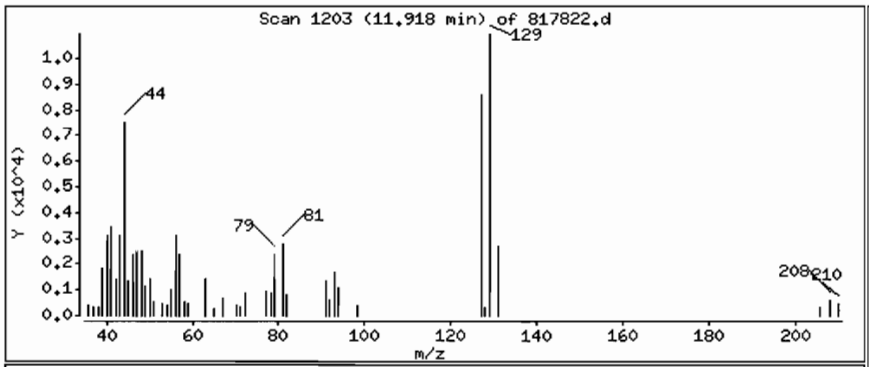
Client ID: SB2GW221-222 Instrument: M.i

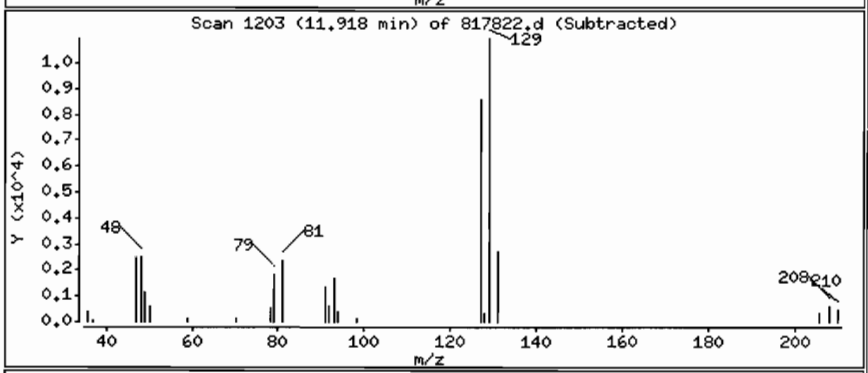
Sample Info: ISCO-SB-2-GW221'-222';[ ]01/15/10 @0900(WATER)

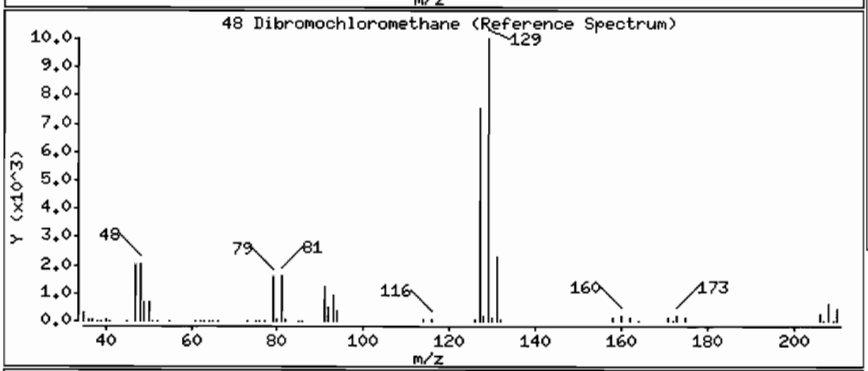
Purge Volume: 25.0 Operator: MRV

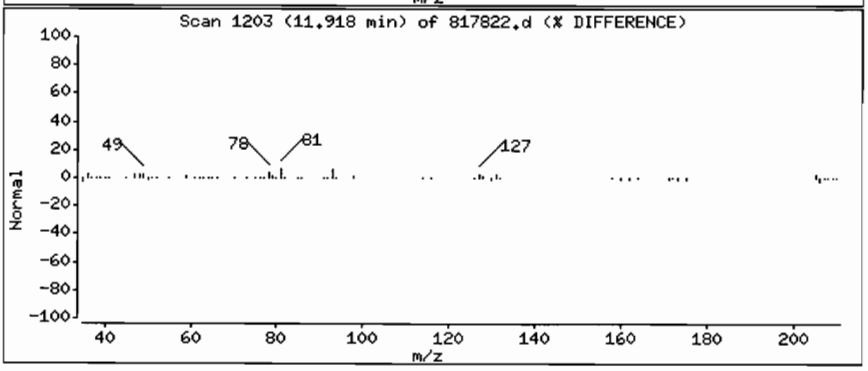
Column phase: DB-624 Column diameter: 0.53

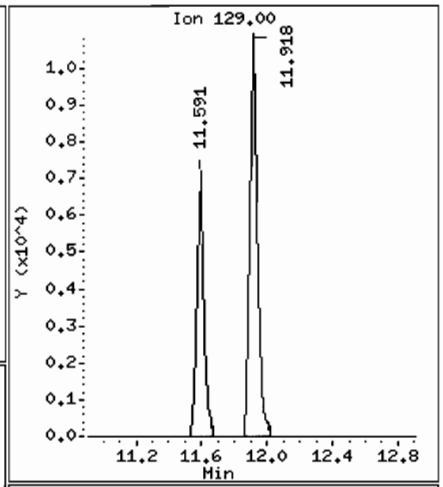
48 Dibromochloromethane Concentration: 0.43 ug/L

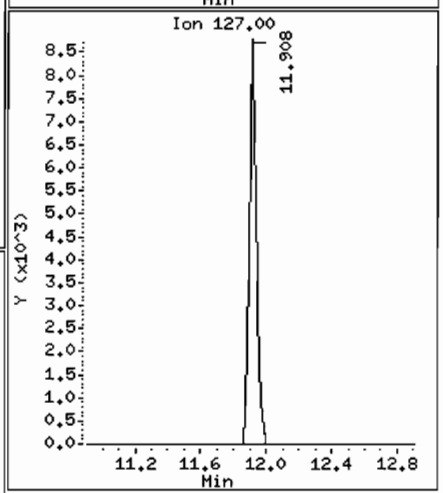












Data File: /chem/M.i/Msvr.p/maoasmtr.b/817822.d

Date : 19-JAN-2010 18:47

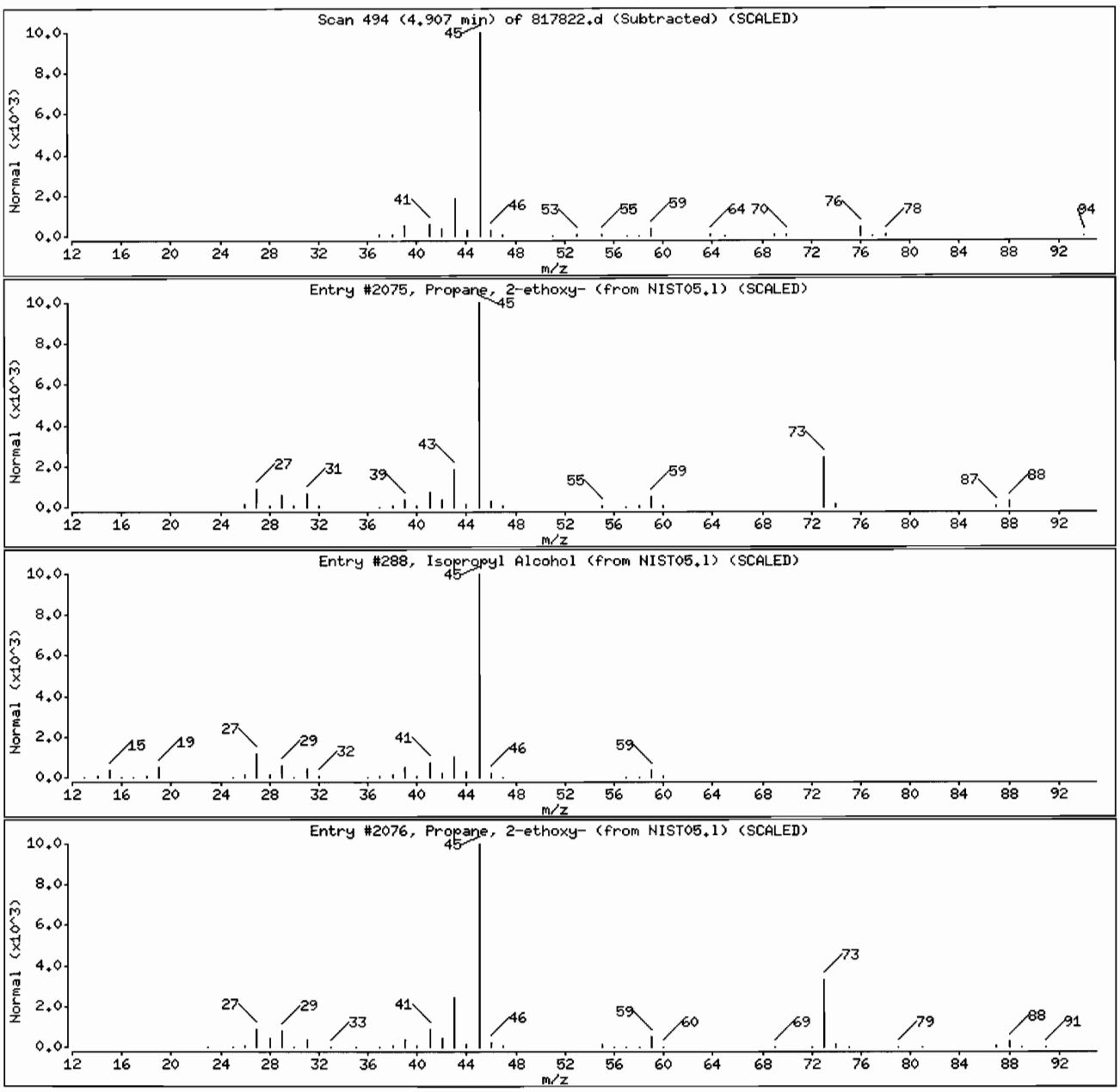
Client ID: SB2GW221-222 Instrument: M.i

Sample Info: ISCO-SB-2-GW221'-222':[J01/15/10 @0900(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Propane, 2-ethoxy-	625-54-7	NIST05.1	2075	56	C5H12O	88
Isopropyl Alcohol	67-63-0	NIST05.1	288	56	C3H8O	60
Propane, 2-ethoxy-	625-54-7	NIST05.1	2076	56	C5H12O	88



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817822.d

Date : 19-JAN-2010 18:47

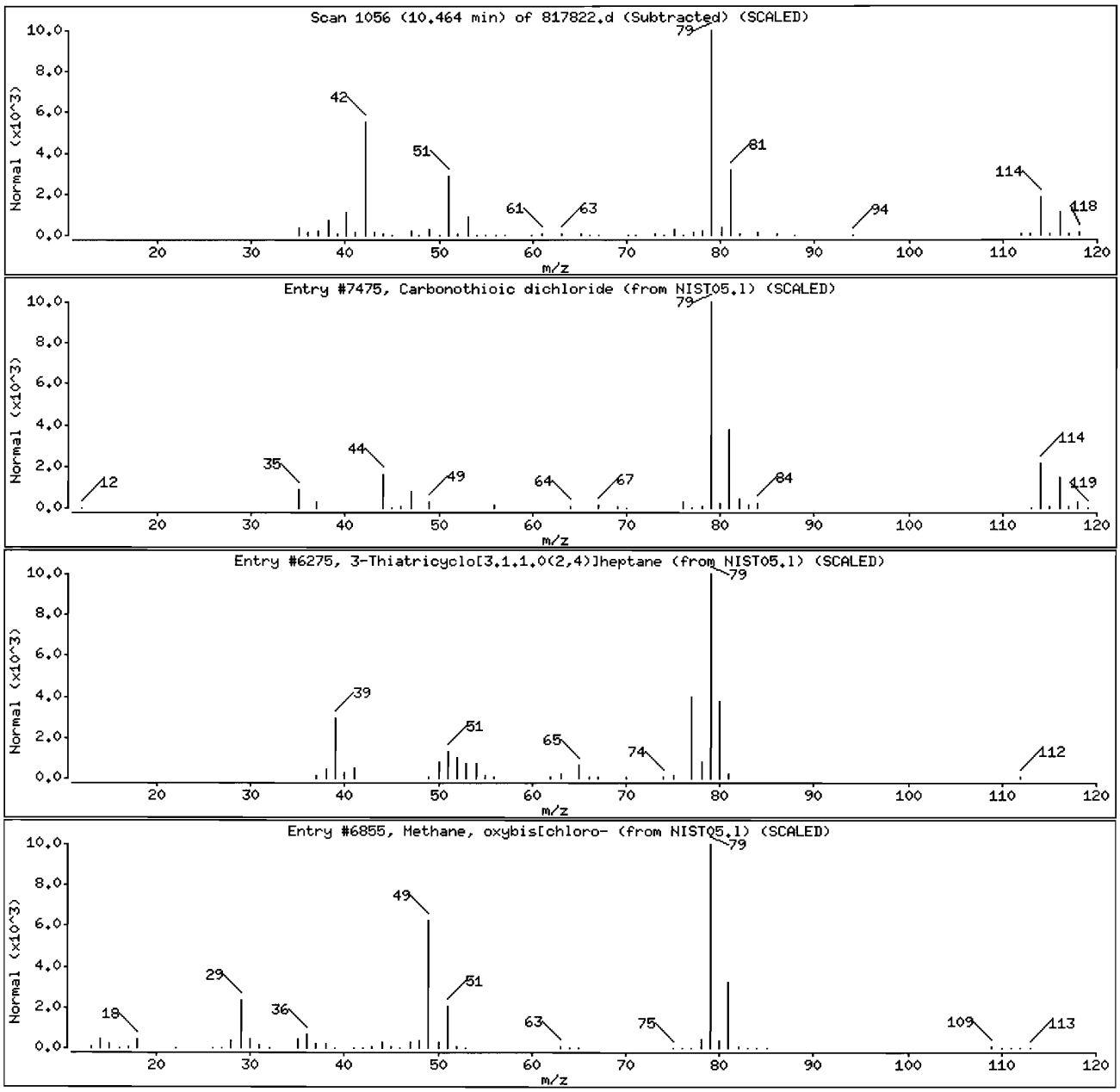
Client ID: SB2GW221-222 Instrument: M.i

Sample Info: ISCO-SB-2-GW221'-222':[J01/15/10 @0900(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	46	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.l	6275	37	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.l	6855	25	C2H4Cl2O	114



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817822.d

Date : 19-JAN-2010 18:47

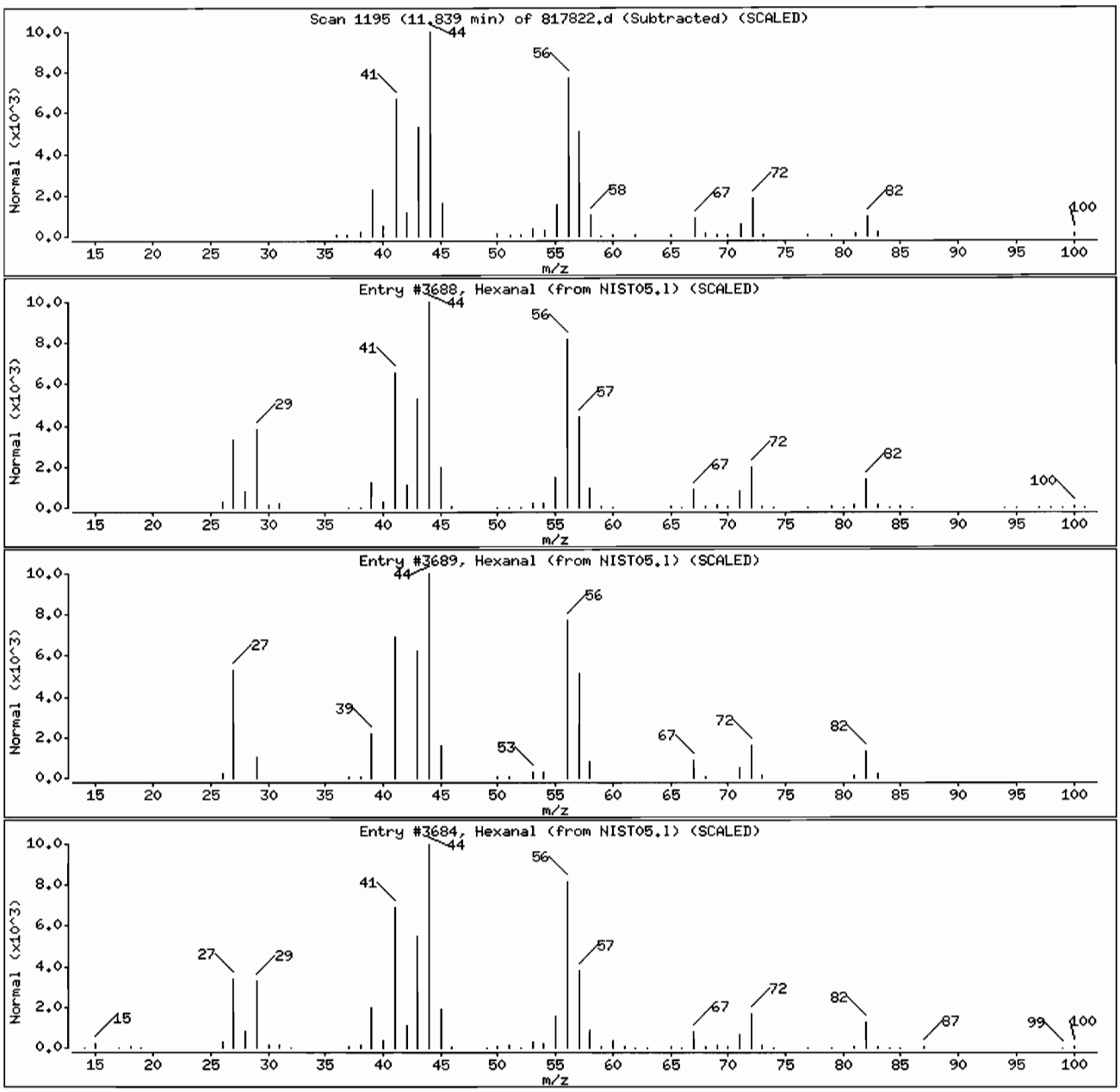
Client ID: SB2GW221-222 Instrument: M.i

Sample Info: ISCO-SB-2-GW221'-222':[ ]01/15/10 @0900(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	NIST05.l	3688	87	C6H12O	100
Hexanal	66-25-1	NIST05.l	3689	78	C6H12O	100
Hexanal	66-25-1	NIST05.l	3684	74	C6H12O	100



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817822.d

Date : 19-JAN-2010 18:47

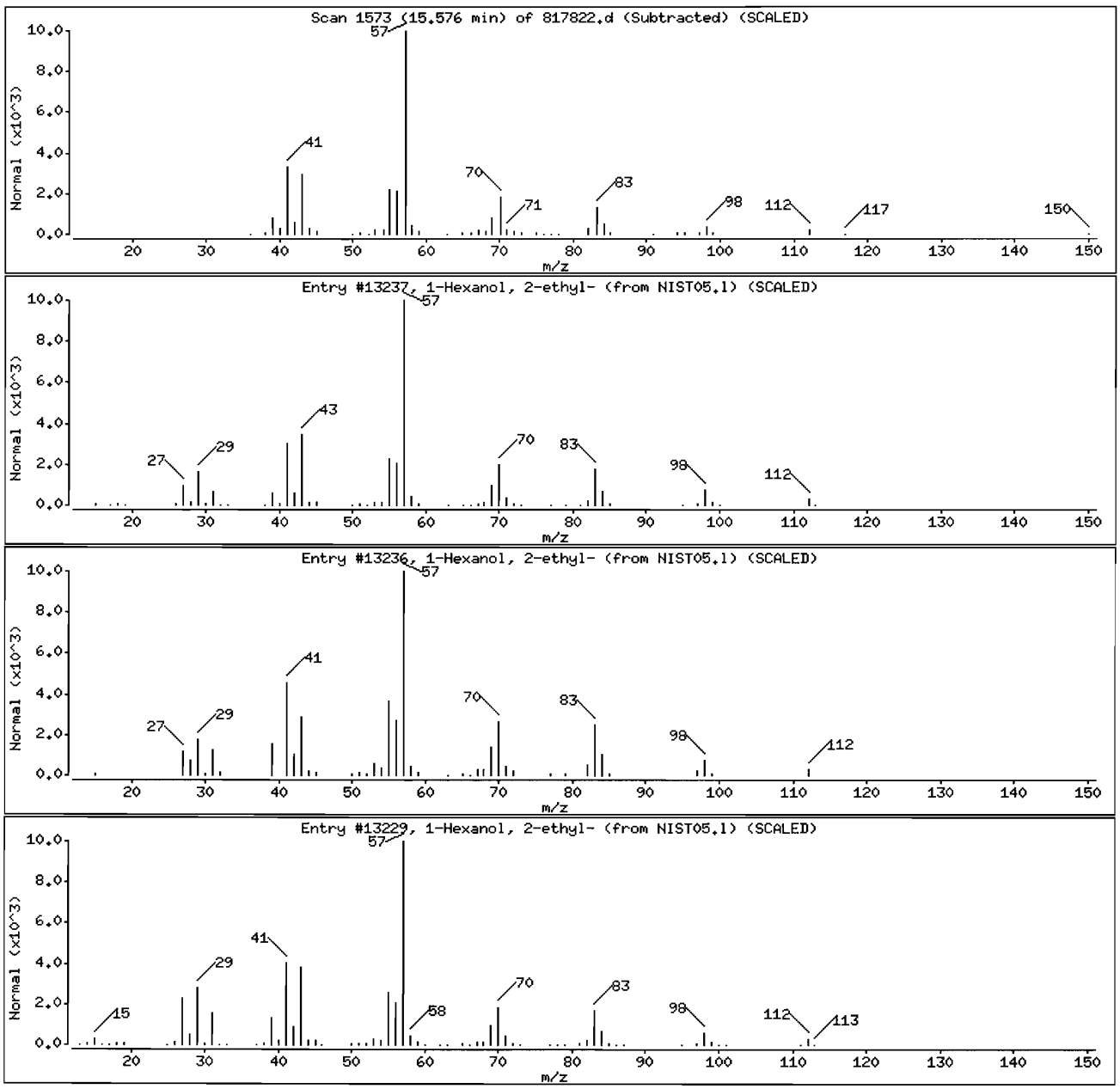
Client ID: SB2GW221-222 Instrument: M.i

Sample Info: ISCO-SB-2-GW221'-222':[J01/15/10 @0900(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alcohol						
1-Hexanol, 2-ethyl-	104-76-7	NIST05.l	13237	78	C8H180	130
1-Hexanol, 2-ethyl-	104-76-7	NIST05.l	13236	59	C8H180	130
1-Hexanol, 2-ethyl-	104-76-7	NIST05.l	13229	56	C8H180	130



Data File: /chem/M.i/Msvr.p/maoasmtr.b/817822.d

Date : 19-JAN-2010 18:47

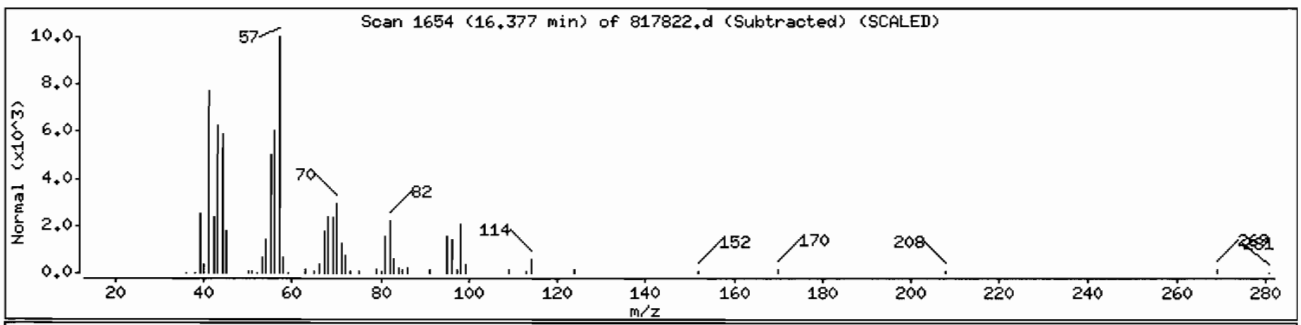
Client ID: SB2GW221-222 Instrument: M.i

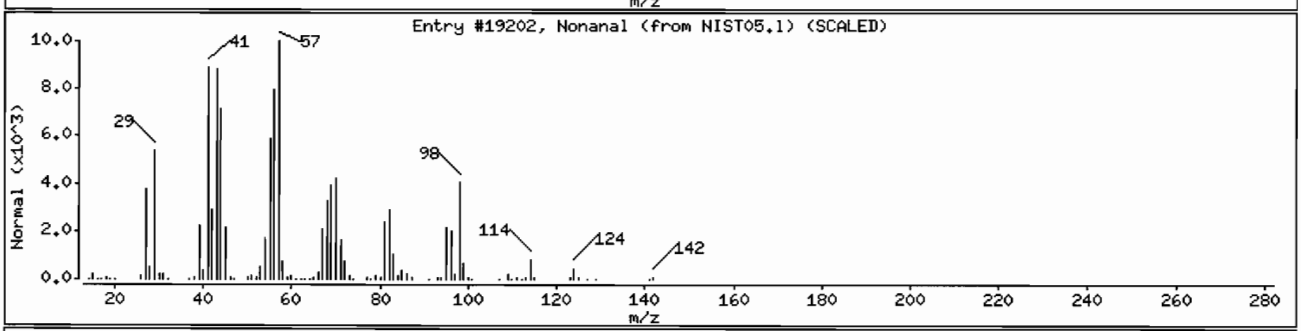
Sample Info: ISCO-SB-2-GW221'-222':[J01/15/10 @0900(WATER)

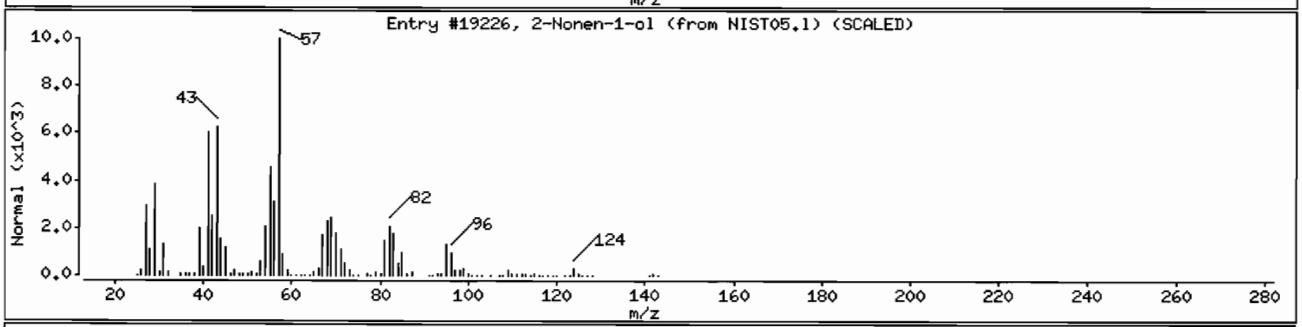
Purge Volume: 25.0 Operator: MRV

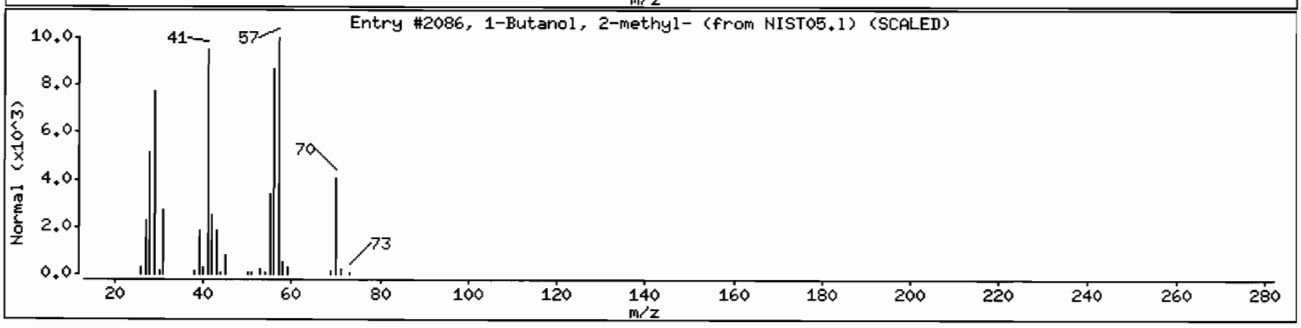
Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Nonanal	124-19-6	NIST05.1	19202	64	C9H18O	142
2-Nonen-1-ol	22104-79-6	NIST05.1	19226	35	C9H18O	142
1-Butanol, 2-methyl-	137-32-6	NIST05.1	2086	27	C5H12O	88









Data File: /chem/M.i/Msvr.p/maoasmtr.b/817822.d

Date : 19-JAN-2010 18:47

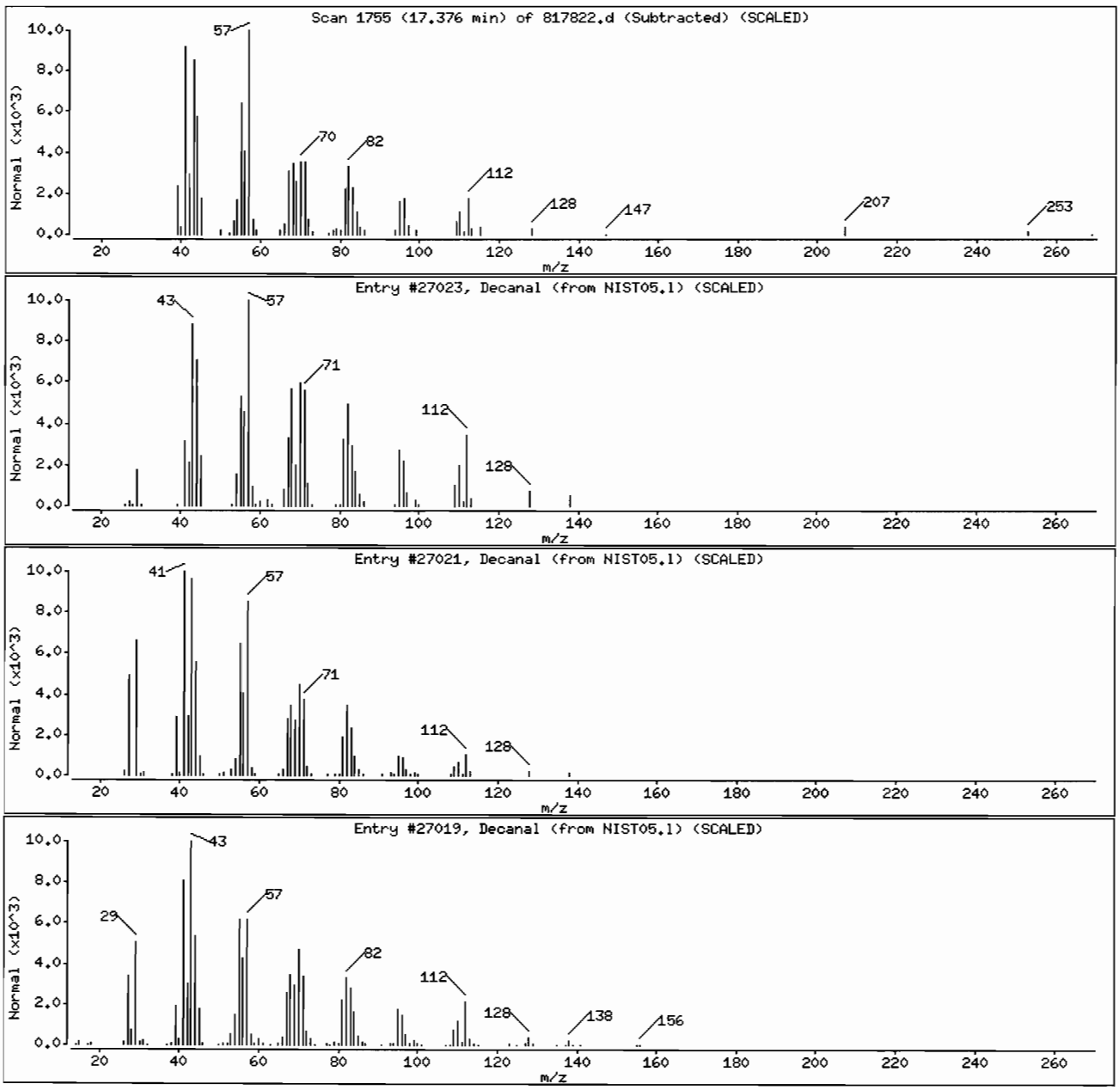
Client ID: SB2GW221-222 Instrument: M.i

Sample Info: ISCO-SB-2-GW221'-222':[J01/15/10 @0900(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decanal	112-31-2	NIST05.l	27023	90	C10H20O	156
Decanal	112-31-2	NIST05.l	27021	86	C10H20O	156
Decanal	112-31-2	NIST05.l	27019	86	C10H20O	156



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2GW231-232

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817823

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817823

Level: (TRACE/LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/21/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	95	
75-15-0	Carbon disulfide	0.22	J
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.47	J
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SB2GW231-232

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817823

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817823

Level: (TRACE/LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/21/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.86	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.37	J
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.33	J
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB2GW231-232

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817823

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817823

Level: (TRACE or LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/21/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

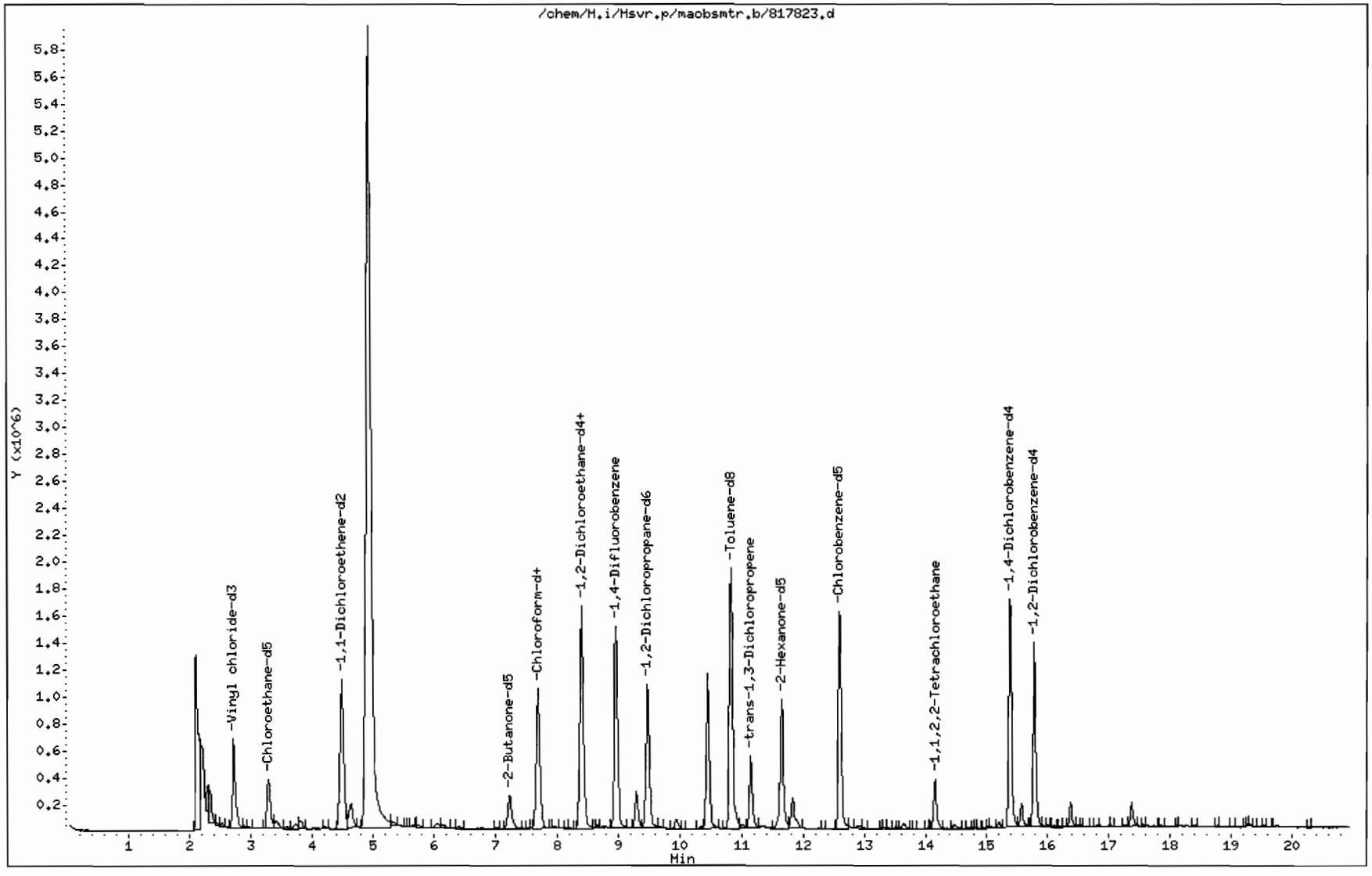
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	2.32	0.80	J
02	67-63-0	Isopropyl Alcohol	4.92	29	NJ
03		Unknown	10.45	3.6	JXB
04	66-25-1	Hexanal	11.83	0.87	NJ
05	104-76-7	1-Hexanol, 2-ethyl-	15.57	0.57	NJ
06	124-19-6	Nonanal	16.37	0.54	NJ
07	112-31-2	Decanal	17.37	0.54	NJ
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/M.i/Msvr.p/maobsmtr.b/817823.d
Date : 21-JAN-2010 21:13
Client ID: SB2GW231-232
Sample Info: ISCO-SB-2-GW231'-232':[J01/15/10 @1130(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maobsmtr.b/817823.d
Lab Smp Id: 817823 Client Smp ID: SB2GW231-232
Inj Date : 21-JAN-2010 21:13
Operator : JP1 Inst ID: M.i
Smp Info : ISCO-SB-2-GW231'-232':[ ]01/15/10 @1130(WATER)
Misc Info : 817823,012110MH,1,5
Comment :
Method : /chem/M.i/Msvr.p/maobsmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:10 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	2.717	2.721	(0.303)	1012774	4.69911	4.7
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	3.290	3.295	(0.367)	836816	4.94788	4.9
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	4.487	4.491	(0.500)	1897226	4.05320	4.1
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	4.635	4.630	(0.517)	550498	94.6702	95
	13 Carbon disulfide	76	4.862	4.857	(0.542)	112479	0.22084	0.22(a)
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	7.226	7.230	(0.806)	749471	49.3949	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	7.690	7.685	(0.858)	1531103	4.91555	4.9(Q)
	24 Chloroform	83	7.710	7.715	(0.860)	139206	0.47081	0.47(a)
	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	8.392	8.387	(0.936)	436841	4.41626	4.4(Q)
$	29 Benzene-d6	84	8.402	8.407	(0.667)	2322547	4.88774	4.9
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	8.966	8.961	(1.000)	2307109	5.00000	
	33 Trichloroethene	95	9.292	9.297	(0.737)	191050	0.86433	0.86
$	34 1,2-Dichloropropane-d6	67	9.480	9.485	(0.752)	1094549	4.54408	4.5
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	9.955	9.950	(0.790)	81575	0.36935	0.37(a)
	38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	39 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	40 Toluene-d8	98	10.825	10.830	(0.859)	2396323	4.86157	4.9
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	11.151	11.156	(0.885)	584716	4.93497	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	11.646	11.660	(0.924)	823893	51.5119	52
	47 2-Hexanone	43	Compound Not Detected.					
	48 Dibromochloromethane	129	11.903	11.917	(0.944)	37006	0.32893	0.33(a)
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	12.605	12.609	(1.000)	1713216	5.00000	
	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	14.157	14.172	(1.123)	406010	4.81414	4.8
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	15.374	15.398	(1.000)	789316	5.00000	(Q)
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	15.779	15.793	(1.026)	618308	5.10499	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	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maobsmtr.b/817823.d
Lab Smp Id: 817823 Client Smp ID: SB2GW231-232
Inj Date : 21-JAN-2010 21:13
Operator : JP1 Inst ID: M.i
Smp Info : ISCO-SB-2-GW231'-232':[ ]01/15/10 @1130(WATER)
Misc Info : 817823,012110MH,1,5
Comment :
Method : /chem/M.i/Msvr.p/maobsmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:10 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	8.966	5761931	5.000
* 50 Chlorobenzene-d5	12.605	5522454	5.000
* 61 1,4-Dichlorobenzene-d4	15.374	5227442	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
2.321	917128	0.79585099	0.80	0		0	32

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Isopropyl Alcohol				CAS #: 67-63-0			
4.922	33494485	29.0653263	29	86	NIST05.l	288	32
Unknown				CAS #:			
10.449	4114366	3.57030123	3.6	0		0	32
Hexanal				CAS #: 66-25-1			
11.834	958955	0.86823265	0.87	90	NIST05.l	3688	50
1-Hexanol, 2-ethyl-				CAS #: 104-76-7			
15.571	600431	0.57430647	0.57	90	NIST05.l	13229	61
Nonanal				CAS #: 124-19-6			
16.372	561471	0.53704208	0.54	90	NIST05.l	19202	61
Decanal				CAS #: 112-31-2			
17.371	560089	0.53571969	0.54	91	NIST05.l	27019	61

Data File: /chem/M.i/Msvr.p/maobsmtr.b/817823.d

Date : 21-JAN-2010 21:13

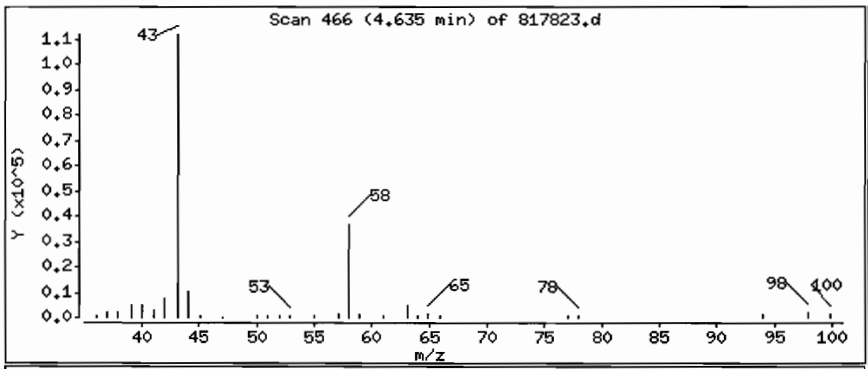
Client ID: SB2GW231-232 Instrument: M.i

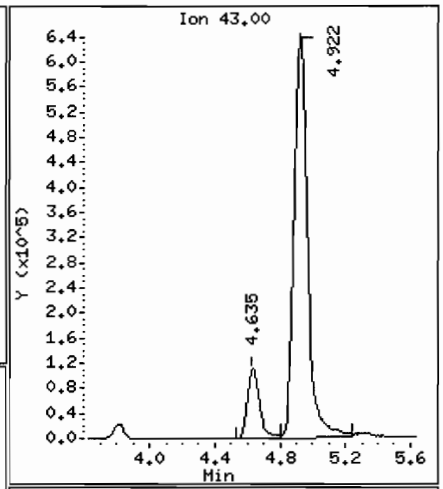
Sample Info: ISCO-SB-2-GW231'-232':[ ]01/15/10 @1130(WATER)

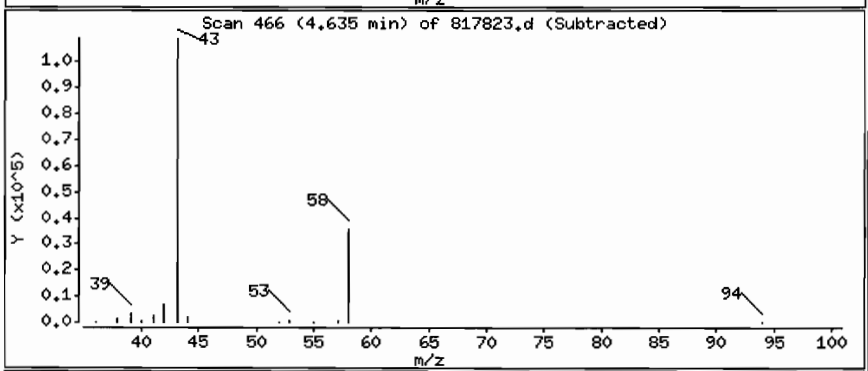
Purge Volume: 25.0 Operator: JP1

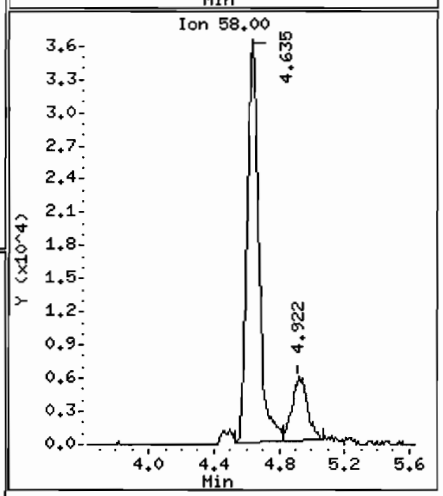
Column phase: DB-624 Column diameter: 0.53

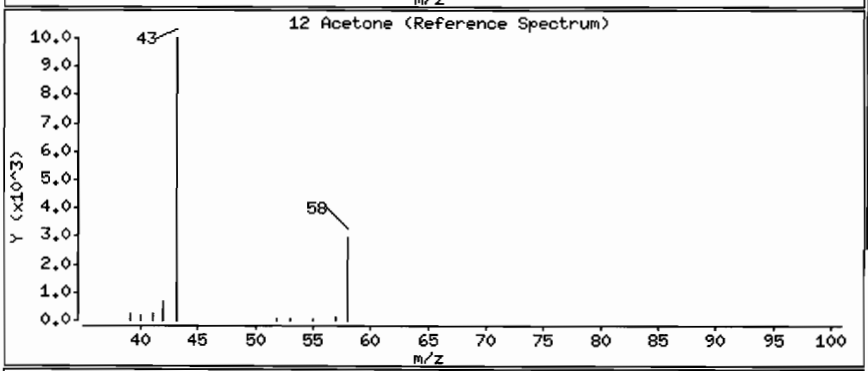
12 Acetone Concentration: 95 ug/L

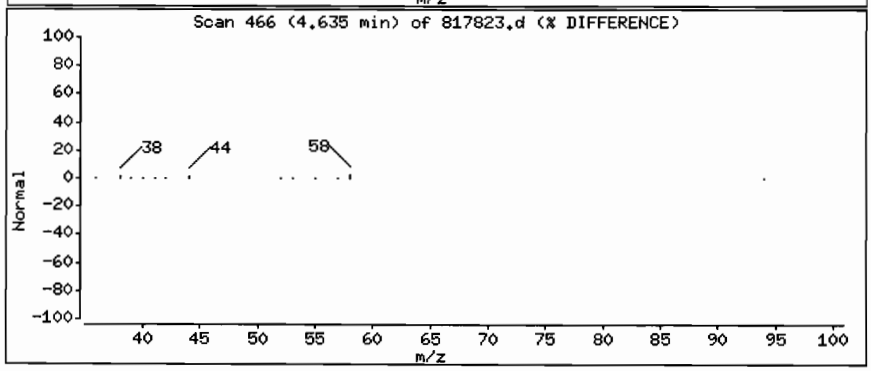












Data File: /chem/M.i/Msvr.p/maobsmtr.b/817823.d

Date : 21-JAN-2010 21:13

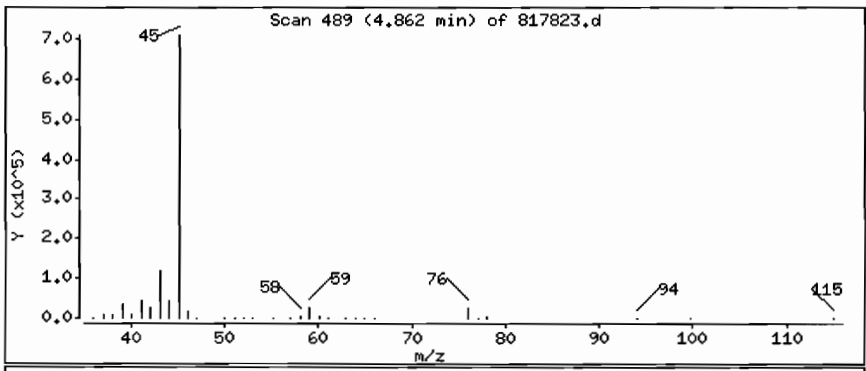
Client ID: SB2GW231-232 Instrument: M.i

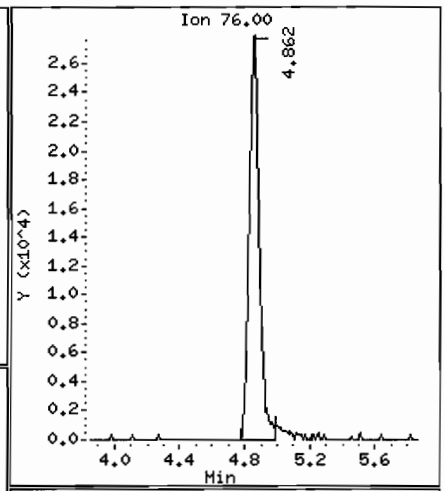
Sample Info: ISCO-SB-2-GW231'-232':[J01/15/10 @1130(WATER)

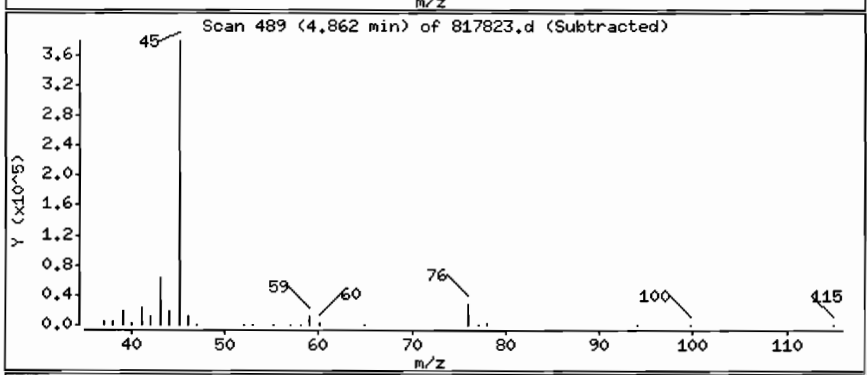
Purge Volume: 25.0 Operator: JP1

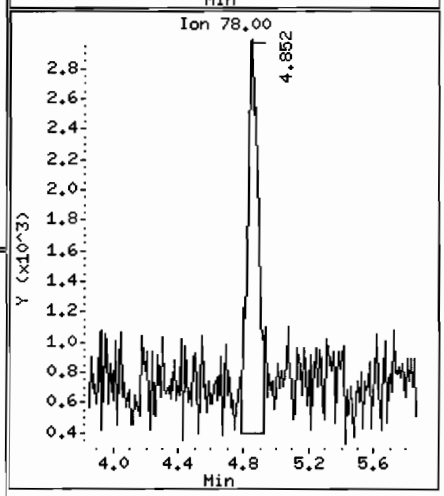
Column phase: DB-624 Column diameter: 0.53

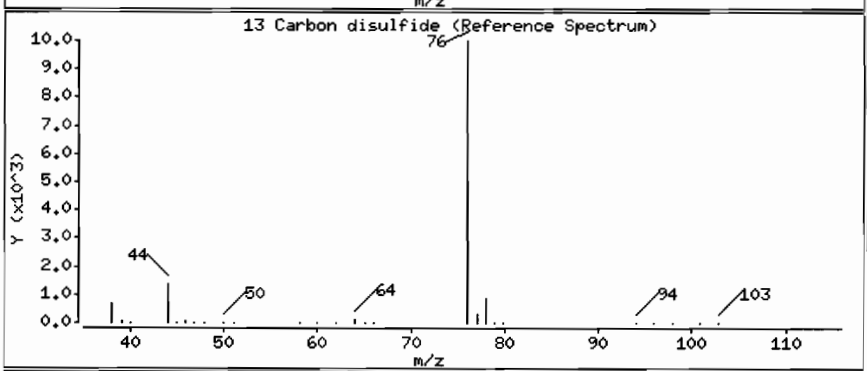
13 Carbon disulfide Concentration: 0.22 ug/L

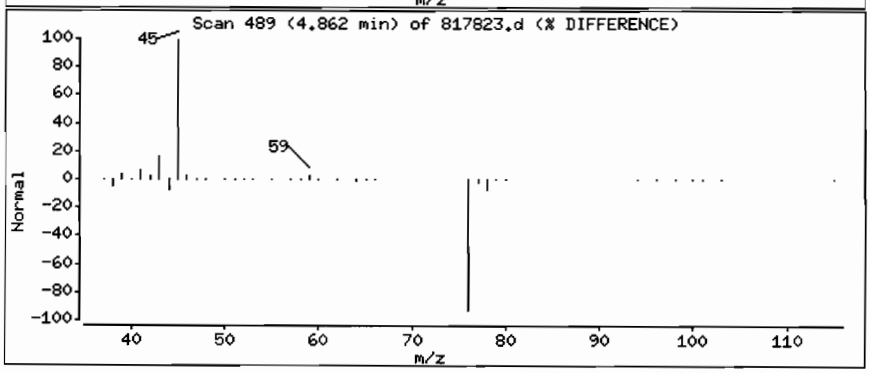












Data File: /chem/M.i/Msvr.p/maobsmtr.b/817823.d

Date : 21-JAN-2010 21:13

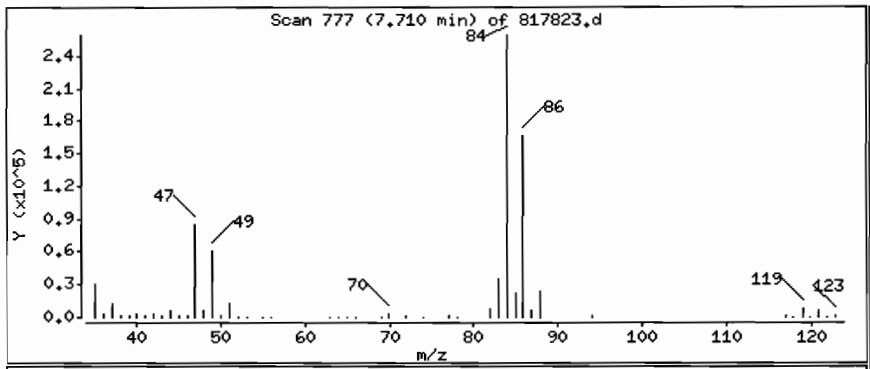
Client ID: SB2GW231-232 Instrument: M.i

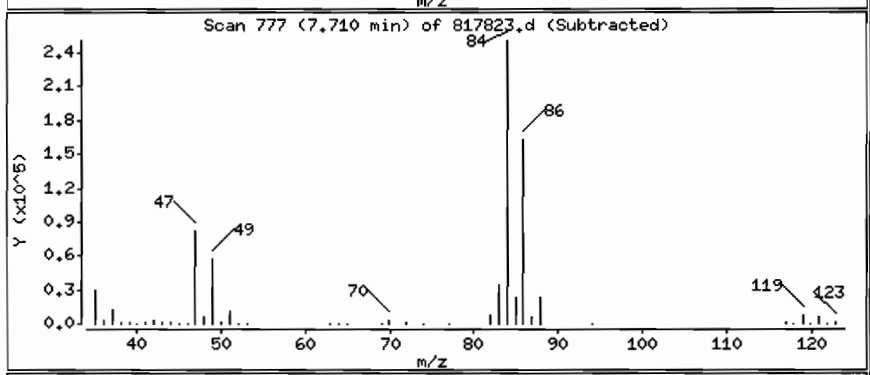
Sample Info: ISCO-SB-2-GW231'-232':[J01/15/10 @1130(WATER)

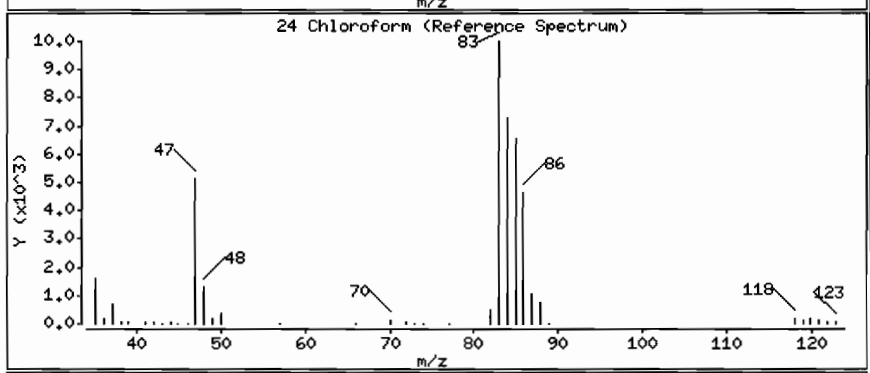
Purge Volume: 25.0 Operator: JP1

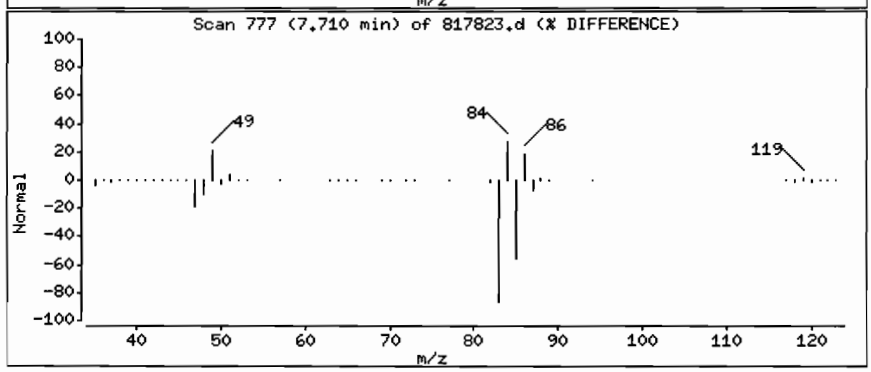
Column phase: DB-624 Column diameter: 0.53

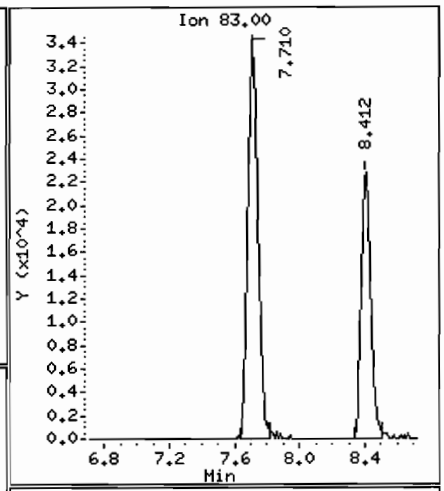
24 Chloroform Concentration: 0.47 ug/L

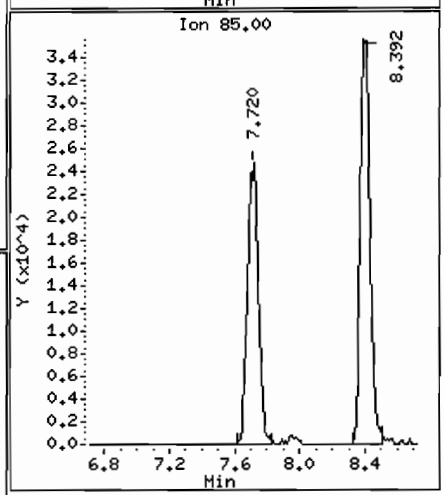












Data File: /chem/M.i/Msvr.p/maobsmtr.b/817823.d

Date : 21-JAN-2010 21:13

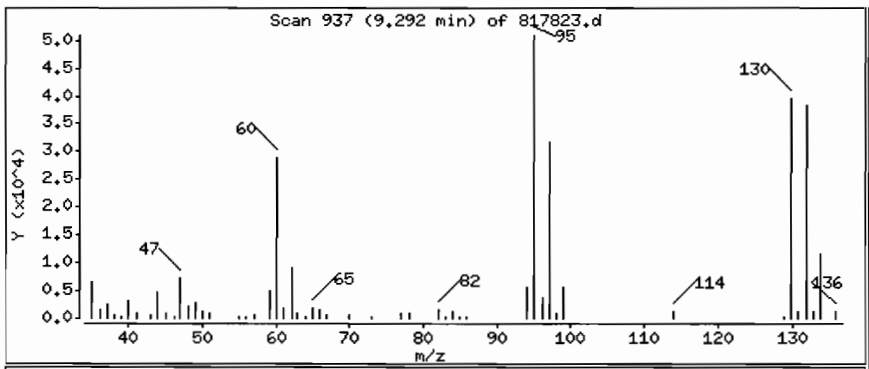
Client ID: SB2GW231-232 Instrument: M.i

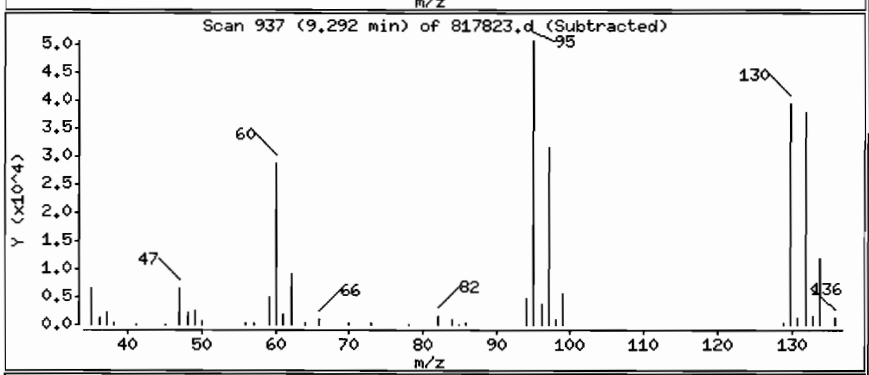
Sample Info: ISCO-SB-2-GW231'-232':[J01/15/10 @1130(WATER)

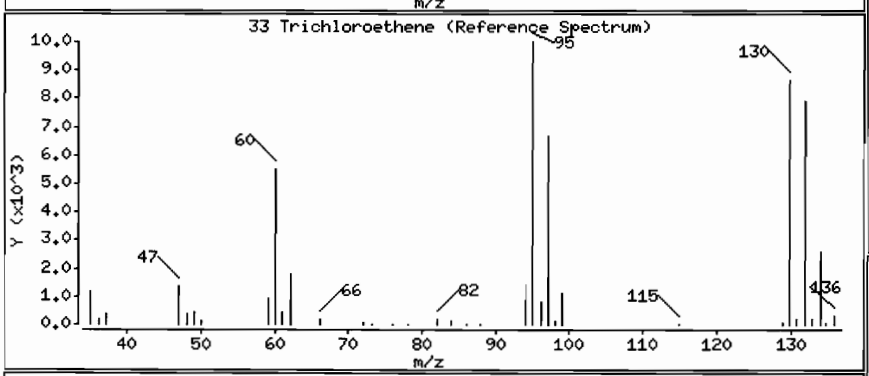
Purge Volume: 25.0 Operator: JP1

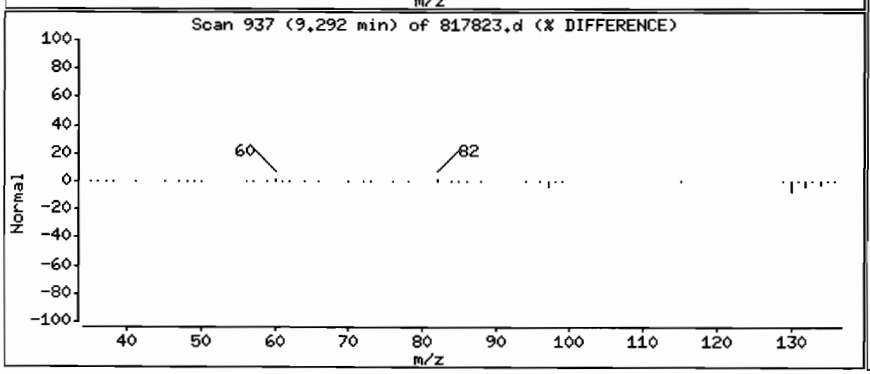
Column phase: DB-624 Column diameter: 0.53

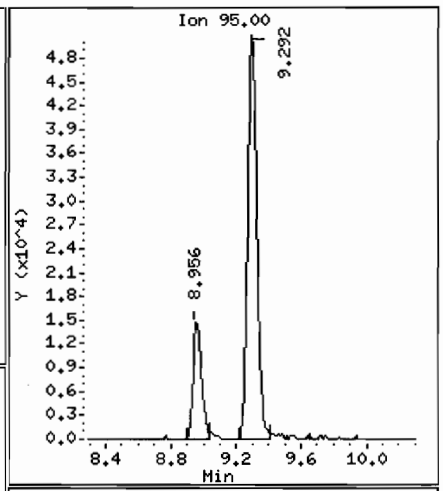
33 Trichloroethene Concentration: 0.86 ug/L

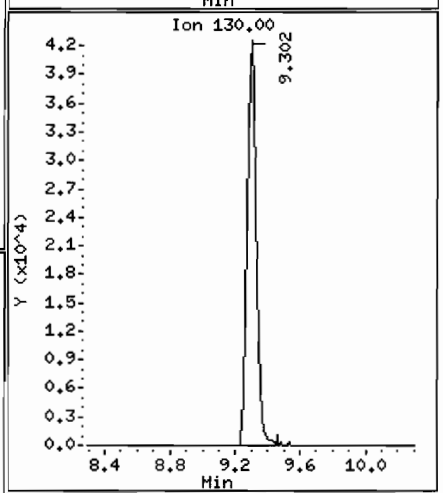


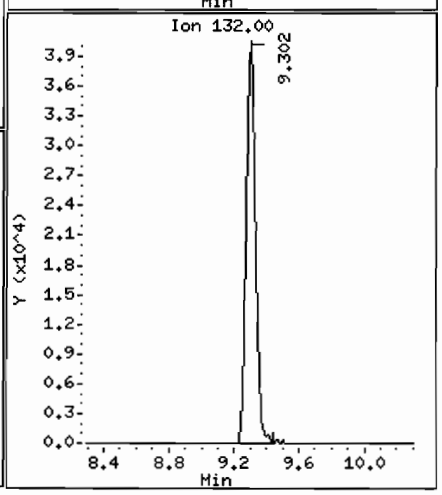












Data File: /chem/M.i/Msvr.p/maobsmtr.b/817823.d

Date : 21-JAN-2010 21:13

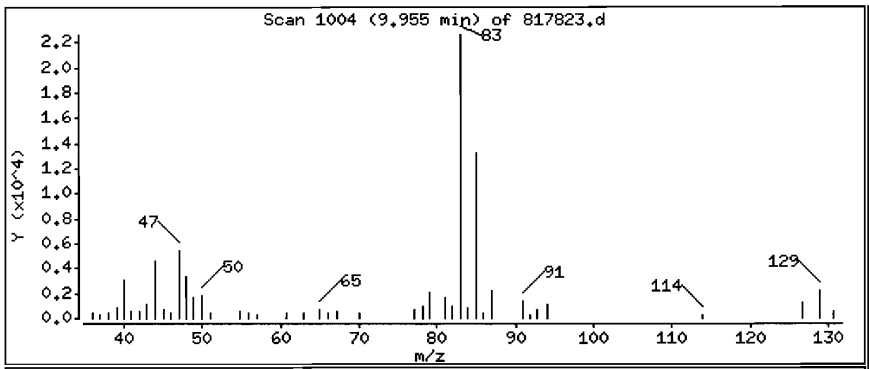
Client ID: SB2GW231-232 Instrument: M.i

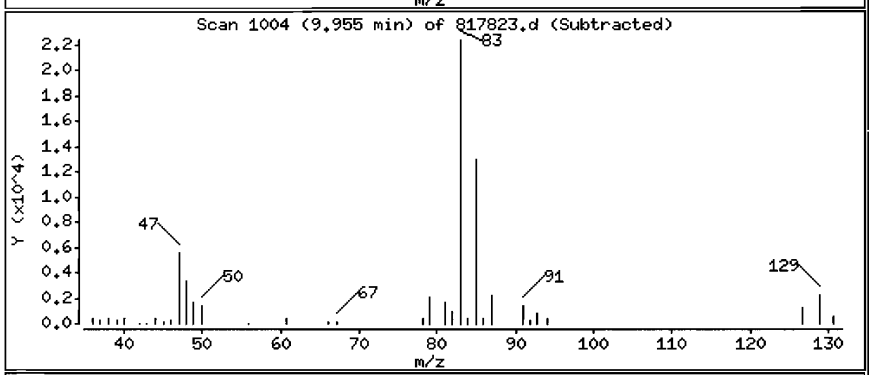
Sample Info: ISCO-SB-2-GW231'-232':[ ]01/15/10 @1130(WATER)

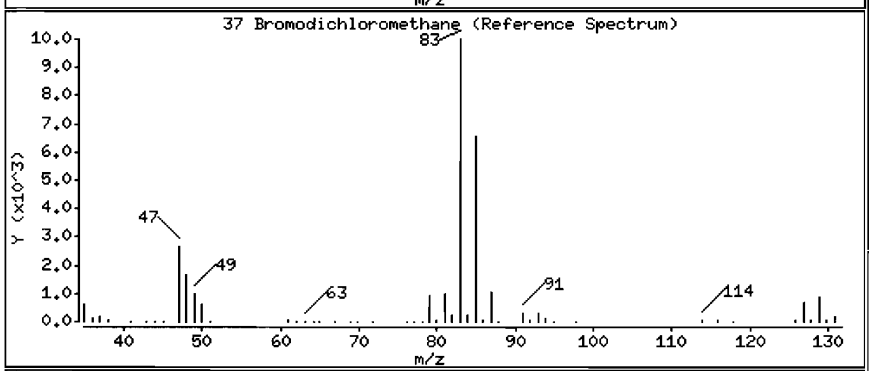
Purge Volume: 25.0 Operator: JP1

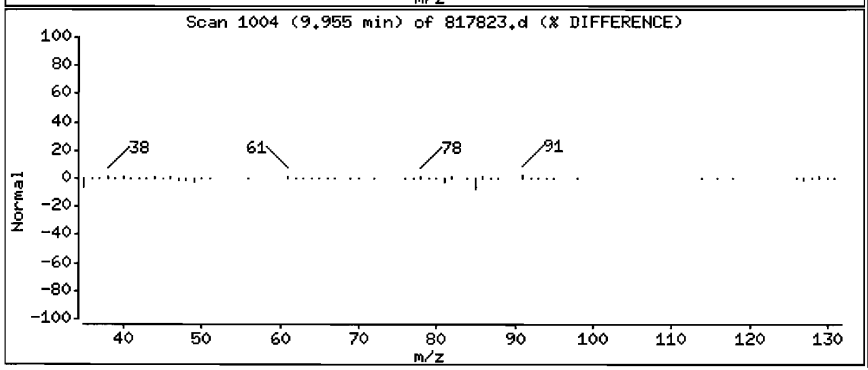
Column phase: DB-624 Column diameter: 0.53

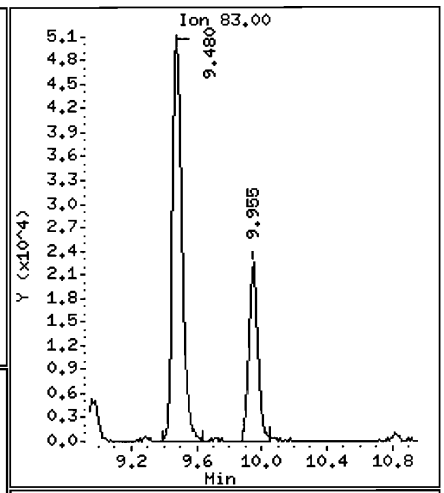
37 Bromodichloromethane Concentration: 0.37 ug/L

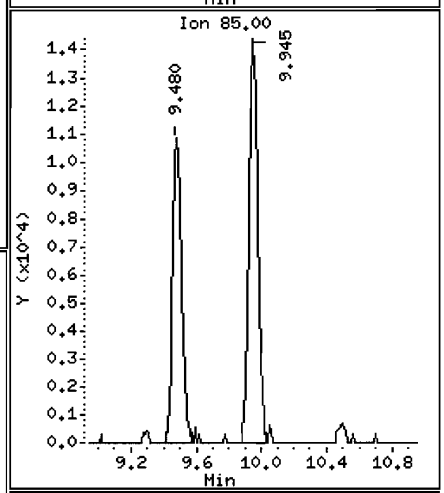


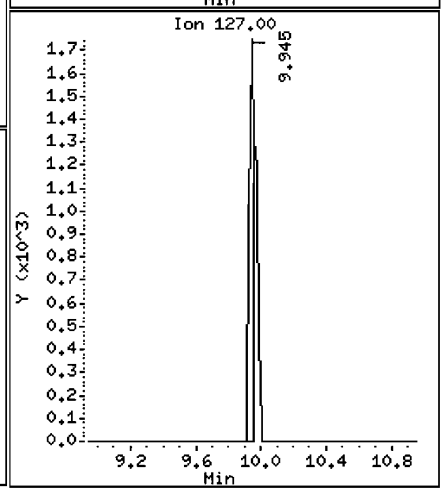












Data File: /chem/M.i/Msvr.p/maobsmtr.b/817823.d

Date : 21-JAN-2010 21:13

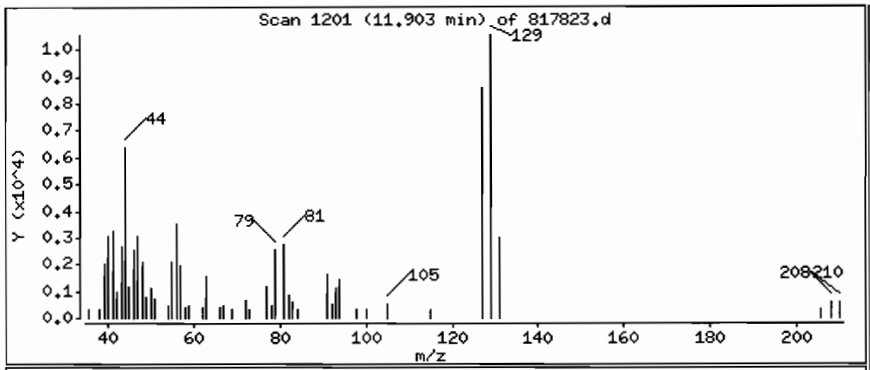
Client ID: SB2GW231-232 Instrument: M.i

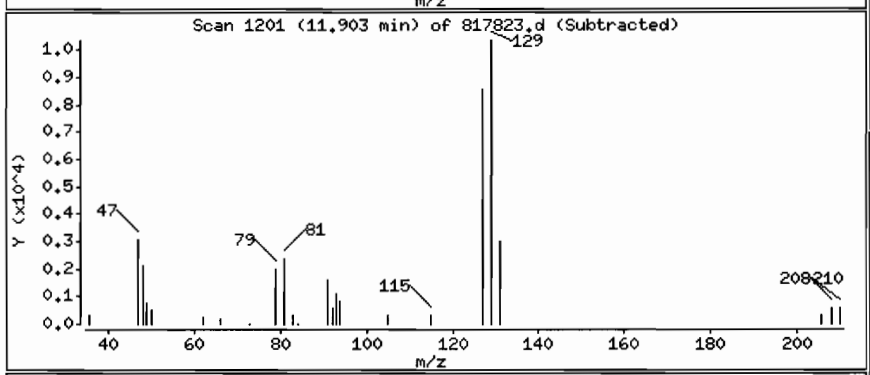
Sample Info: ISCO-SB-2-GW231'-232':[J01/15/10 @1130(WATER)

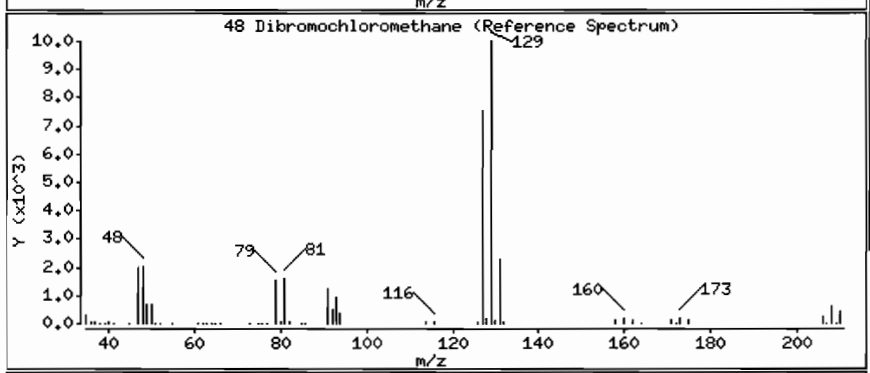
Purge Volume: 25.0 Operator: JP1

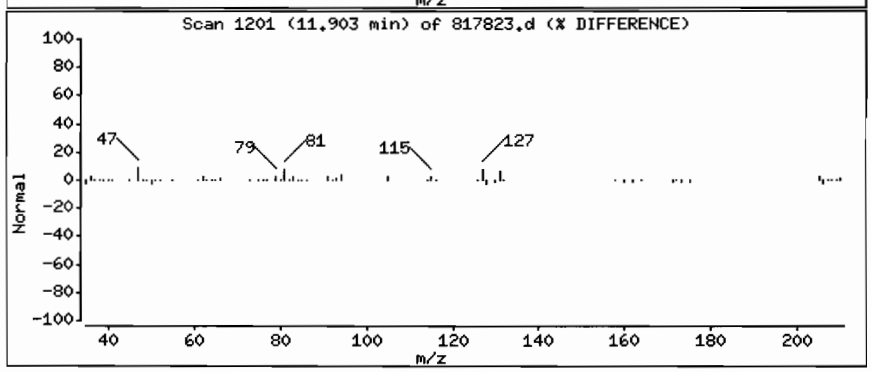
Column phase: DB-624 Column diameter: 0.53

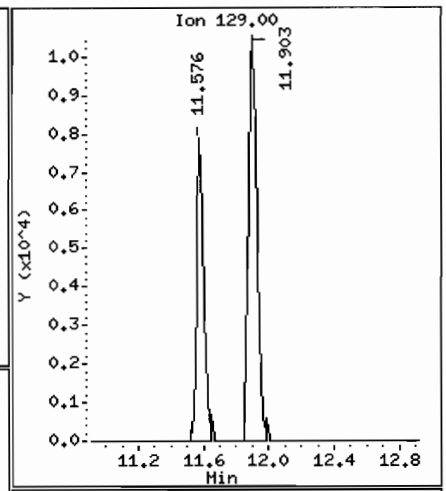
48 Dibromochloromethane Concentration: 0.33 ug/L

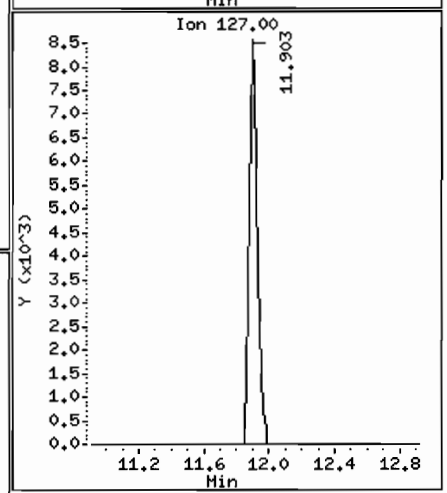












Data File: /chem/M.i/Msvr.p/maobsmtr.b/817823.d

Date : 21-JAN-2010 21:13

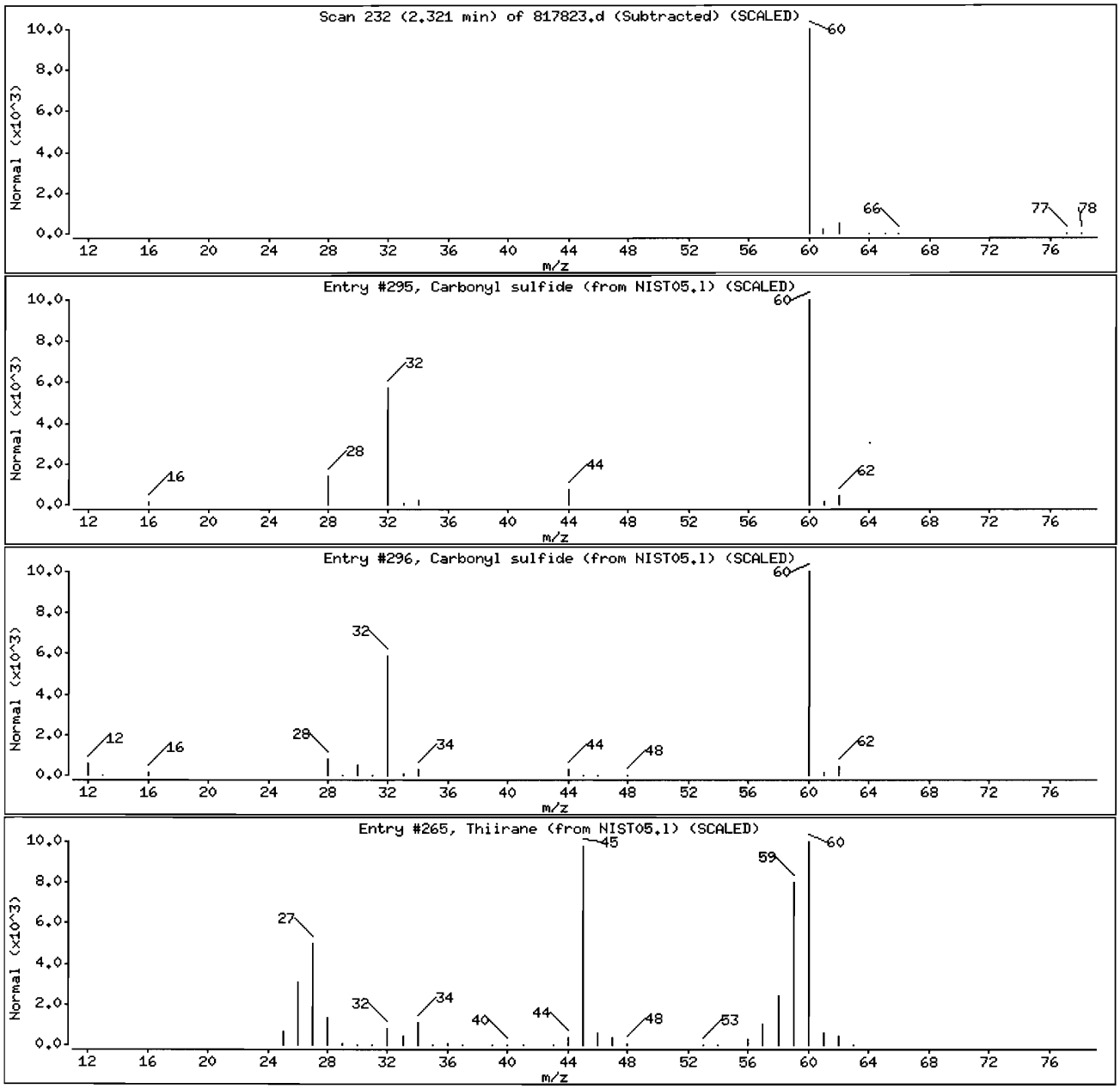
Client ID: SB2GW231-232 Instrument: M.i

Sample Info: ISCO-SB-2-GW231'-232':[ ]01/15/10 @1130(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonyl sulfide	463-58-1	NIST05.l	295	7	COS	60
Carbonyl sulfide	463-58-1	NIST05.l	296	7	COS	60
Thiirane	420-12-2	NIST05.l	265	4	C2H4S	60



Data File: /chem/M.i/Msvr.p/maobsmtr.b/817823.d

Date : 21-JAN-2010 21:13

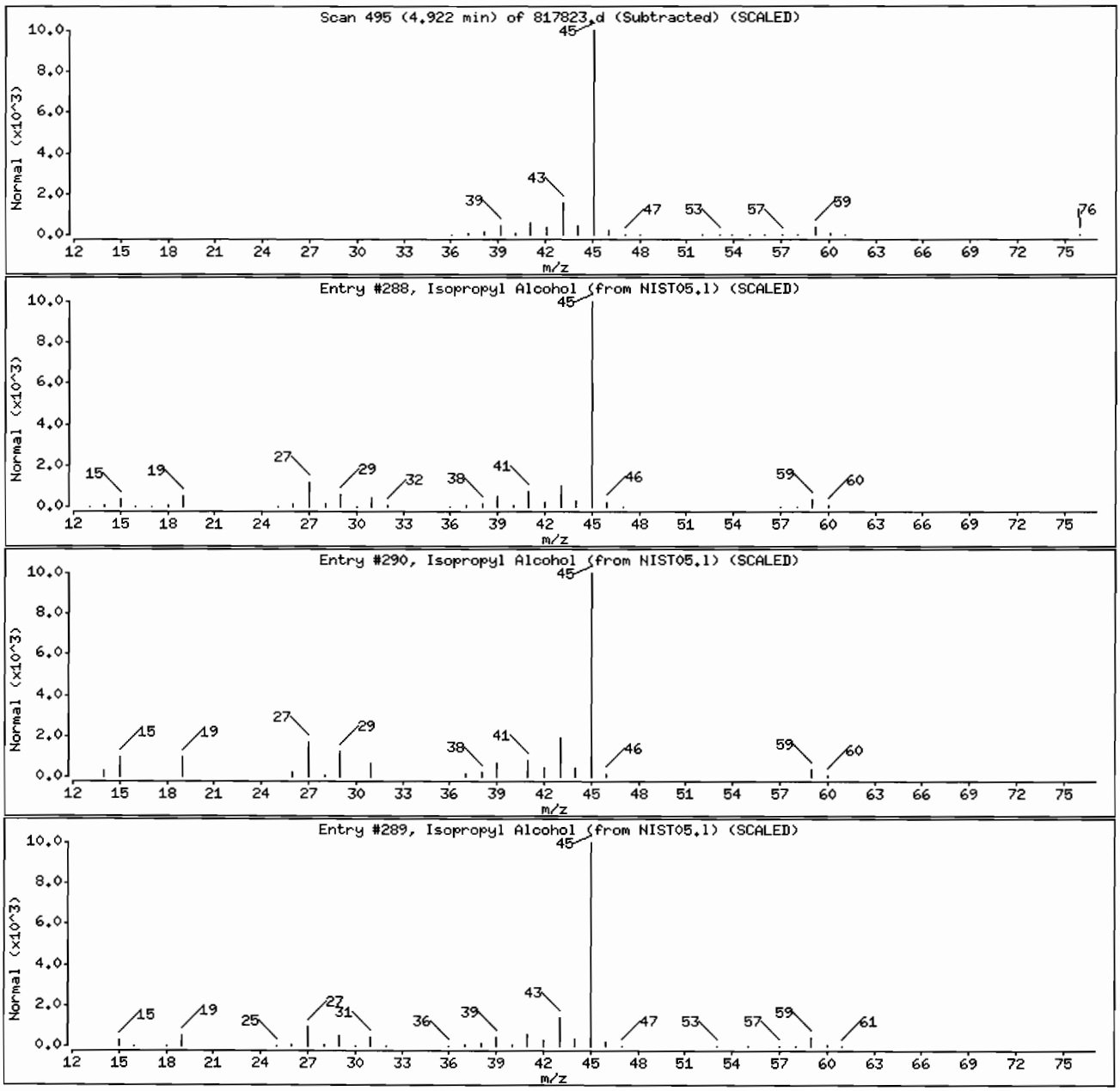
Client ID: SB2GW231-232 Instrument: M.i

Sample Info: ISCO-SB-2-GW231'-232':[J01/15/10 @1130(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Isopropyl Alcohol	67-63-0	NIST05.l	288	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.l	290	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.l	289	86	C3H8O	60



Data File: /chem/M.i/Msvr.p/maobsmtr.b/817823.d

Date : 21-JAN-2010 21:13

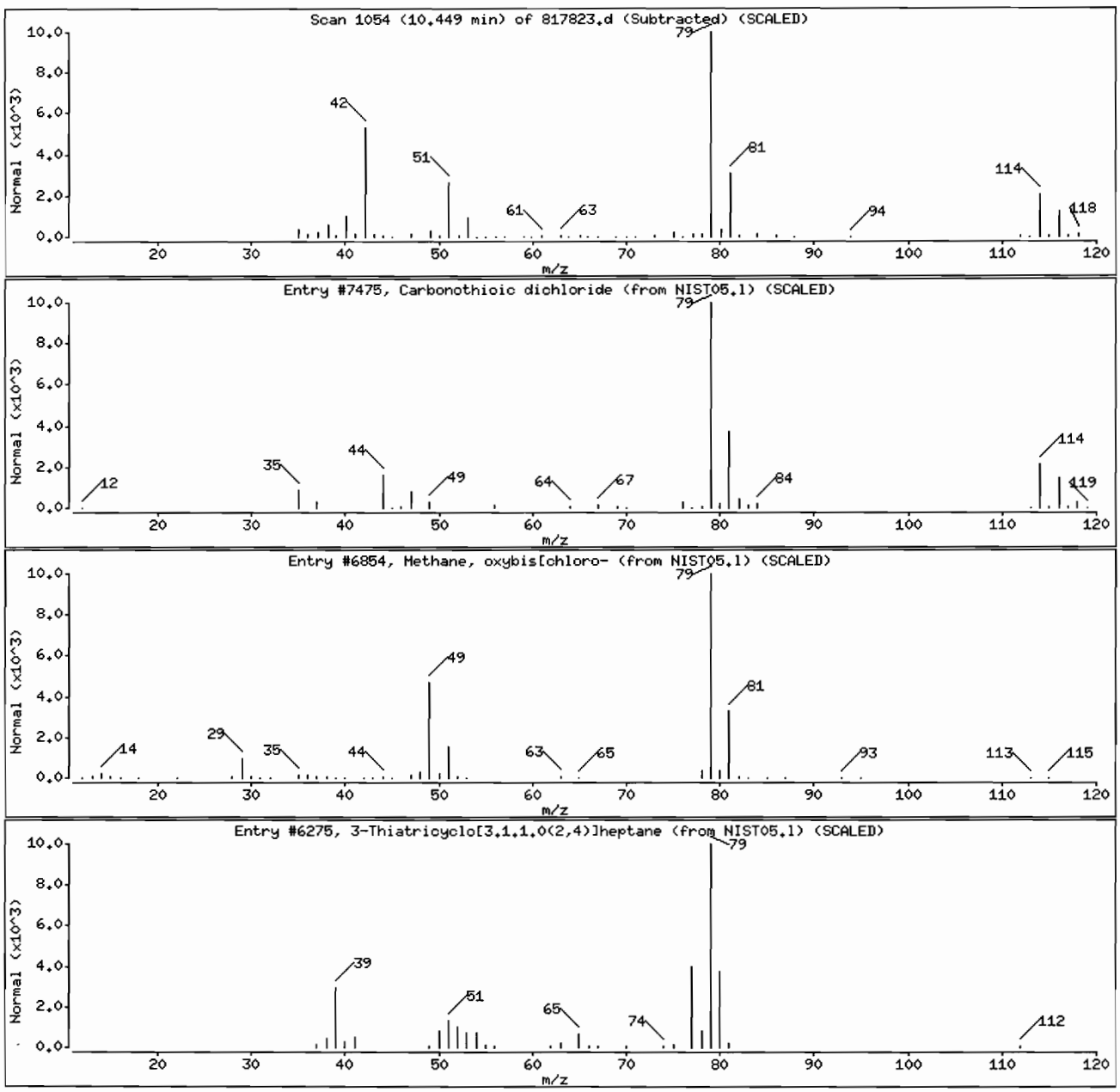
Client ID: SB2GW231-232 Instrument: M.i

Sample Info: ISCO-SB-2-GW231'-232':[J01/15/10 @1130(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	38	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.l	6854	32	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.l	6275	32	C6H8S	112



Data File: /chem/M.i/Msvr.p/maobsmtr.b/817823.d

Date : 21-JAN-2010 21:13

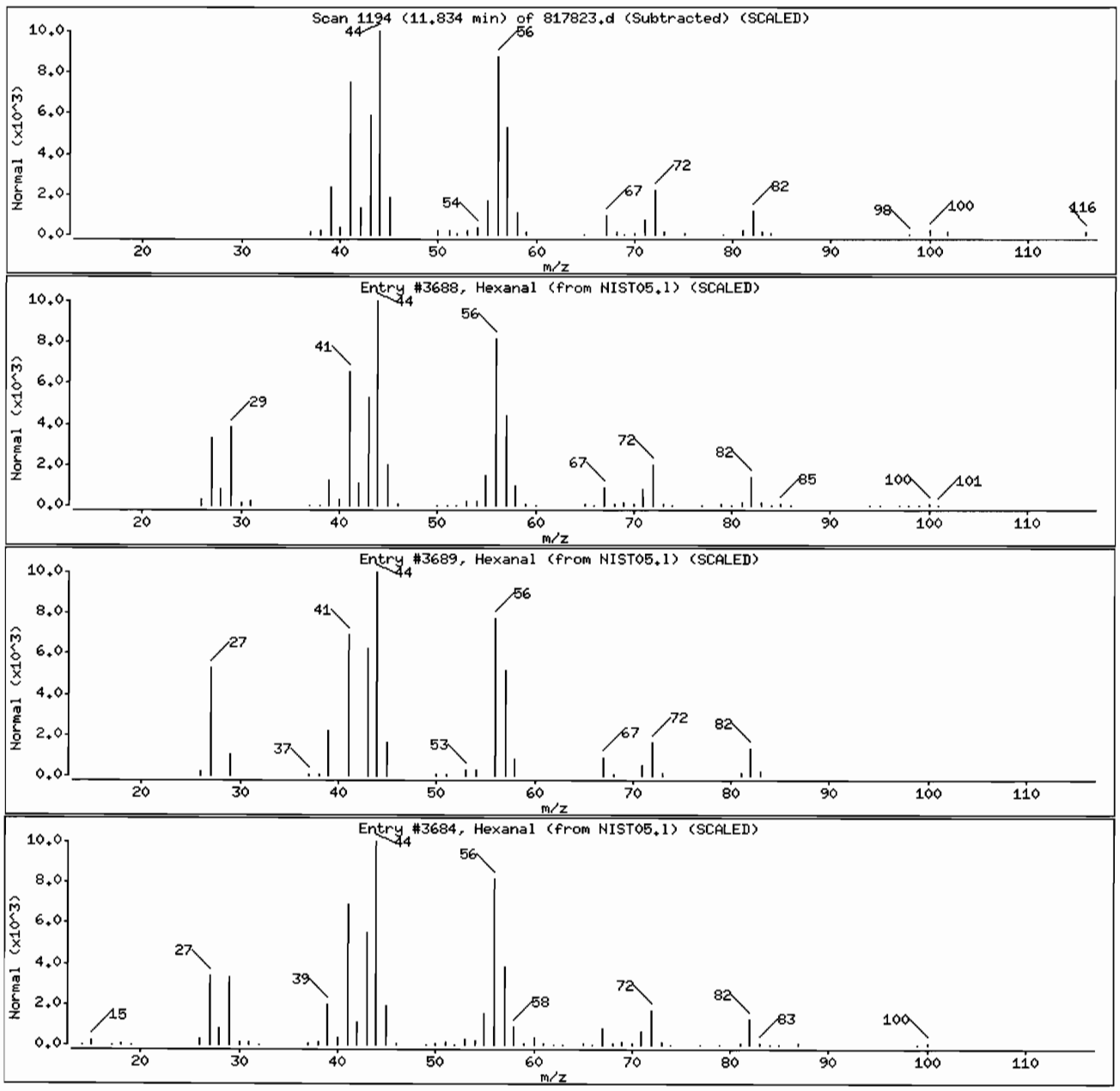
Client ID: SB2GW231-232 Instrument: M.i

Sample Info: ISCO-SB-2-GW231'-232':[J01/15/10 @1130(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	NIST05.l	3688	90	C6H120	100
Hexanal	66-25-1	NIST05.l	3689	86	C6H120	100
Hexanal	66-25-1	NIST05.l	3684	86	C6H120	100



Data File: /chem/M.i/Msvr.p/maobsmtr.b/817823.d

Date : 21-JAN-2010 21:13

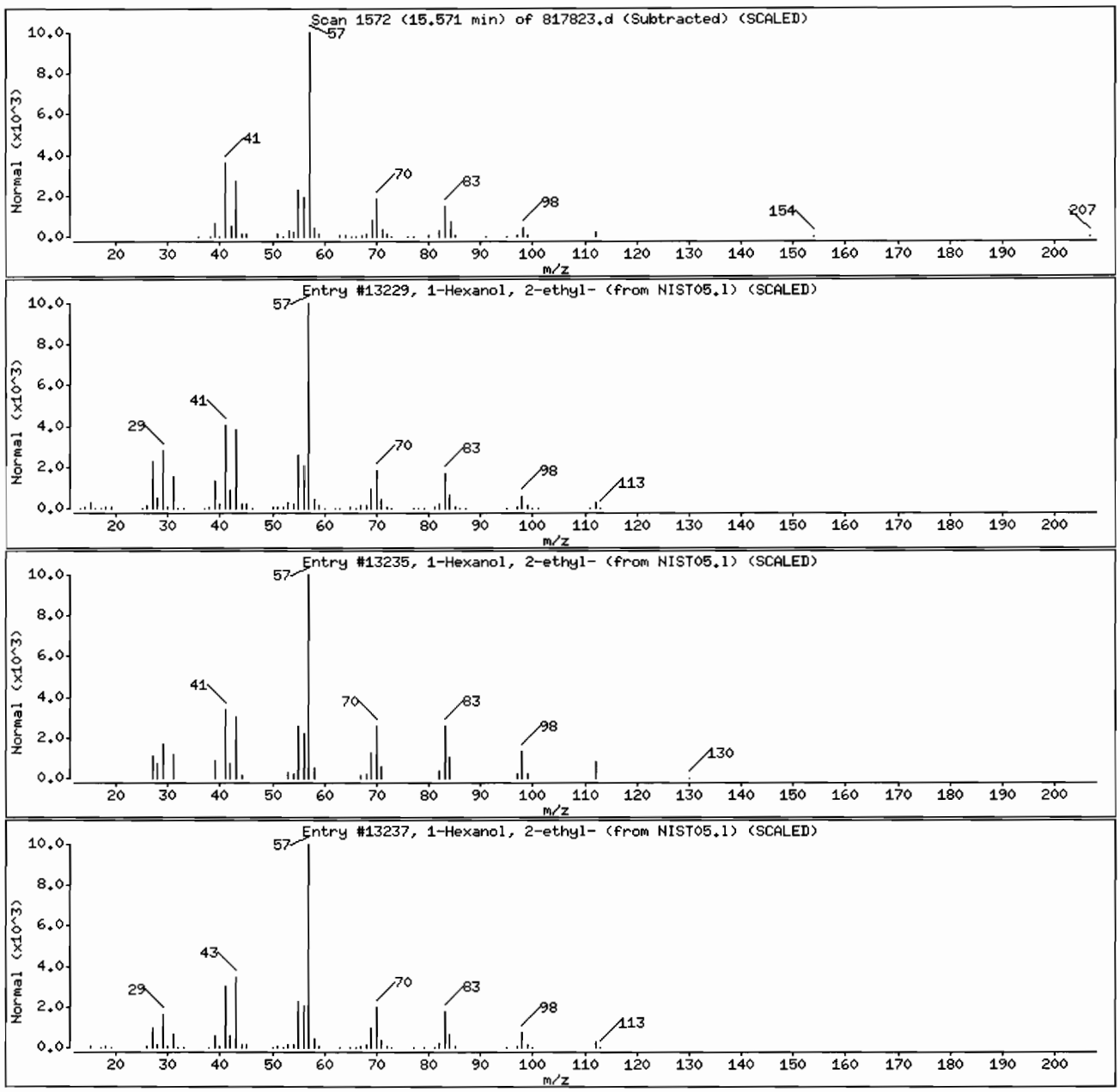
Client ID: SB2GW231-232 Instrument: M.i

Sample Info: ISCO-SB-2-GW231'-232':[J01/15/10 @1130(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Hexanol, 2-ethyl-	104-76-7	NIST05.1	13229	90	C8H18O	130
1-Hexanol, 2-ethyl-	104-76-7	NIST05.1	13235	74	C8H18O	130
1-Hexanol, 2-ethyl-	104-76-7	NIST05.1	13237	72	C8H18O	130



Data File: /chem/M.i/Msvr.p/maobsmtr.b/817823.d

Date : 21-JAN-2010 21:13

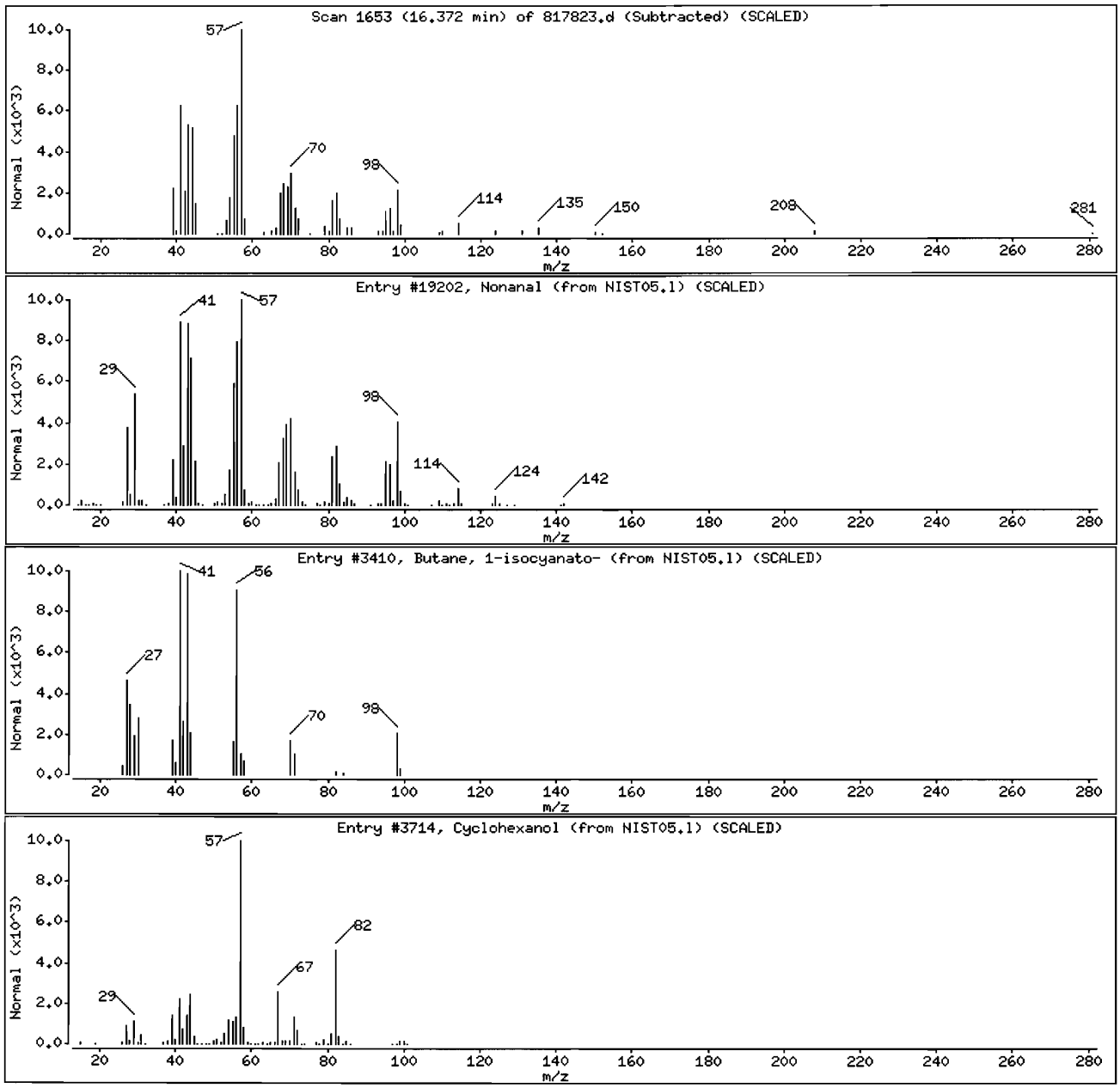
Client ID: SB2GW231-232 Instrument: M.i

Sample Info: ISCO-SB-2-GW231'-232':[ ]01/15/10 @1130(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Nonanal	124-19-6	NIST05.l	19202	90	C9H18O	142
Butane, 1-isocyanato-	111-36-4	NIST05.l	3410	27	C5H9NO	99
Cyclohexanol	108-93-0	NIST05.l	3714	27	C6H12O	100



Data File: /chem/M.i/Msvr.p/maobsmtr.b/817823.d

Date : 21-JAN-2010 21:13

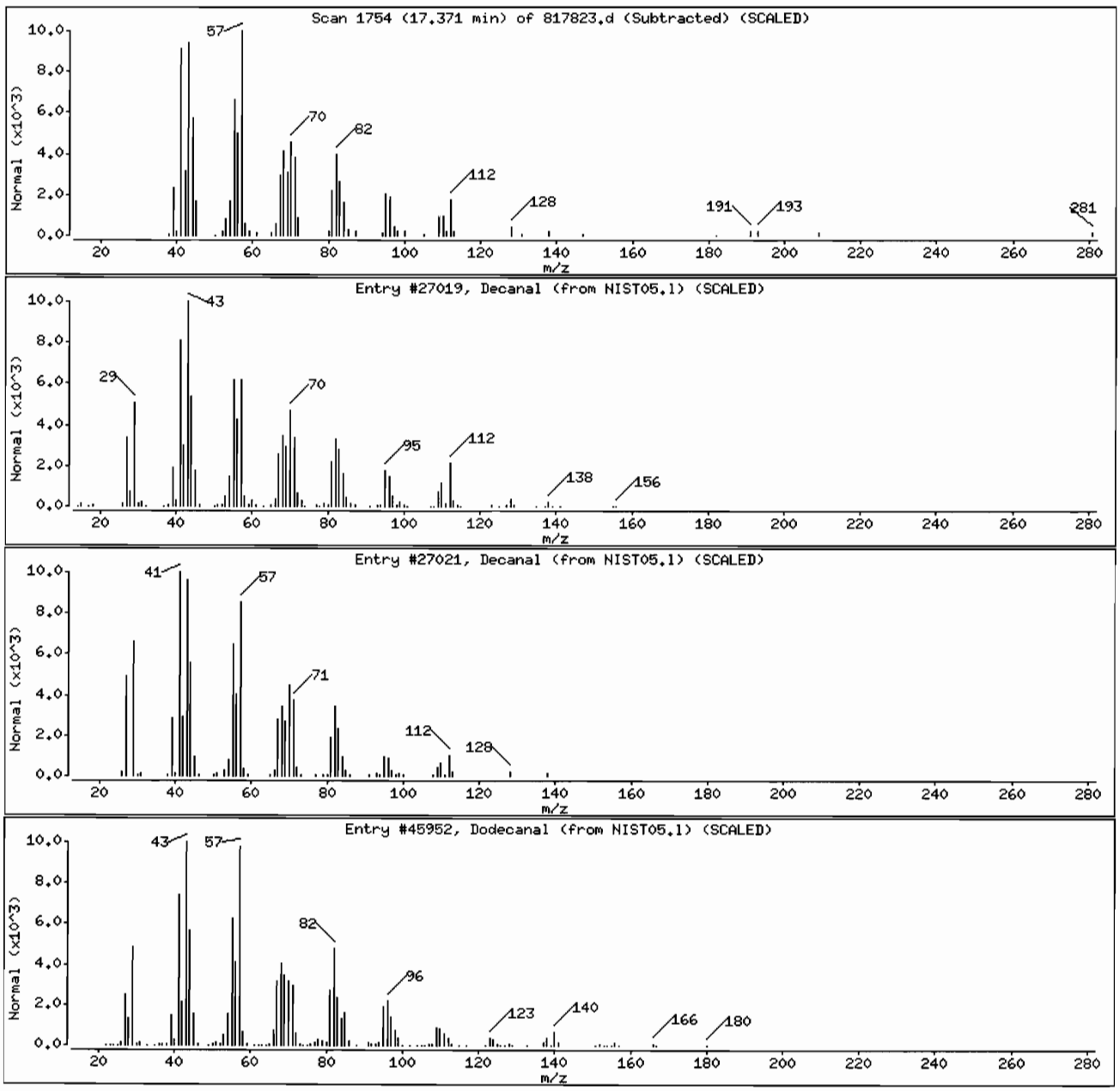
Client ID: SB2GW231-232 Instrument: M.i

Sample Info: ISCO-SB-2-GW231'-232':[J01/15/10 @1130(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decanal	112-31-2	NIST05.l	27019	91	C10H20O	156
Decanal	112-31-2	NIST05.l	27021	80	C10H20O	156
Dodecanal	112-54-9	NIST05.l	45952	72	C12H24O	184



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
TB100114

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817821

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817821

Level: (TRACE/LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
TB100114

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817821

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817821

Level: (TRACE/LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
TB100114

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817821

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817821

Level: (TRACE or LOW/MED) TRACE Date Received: 01/16/2010

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

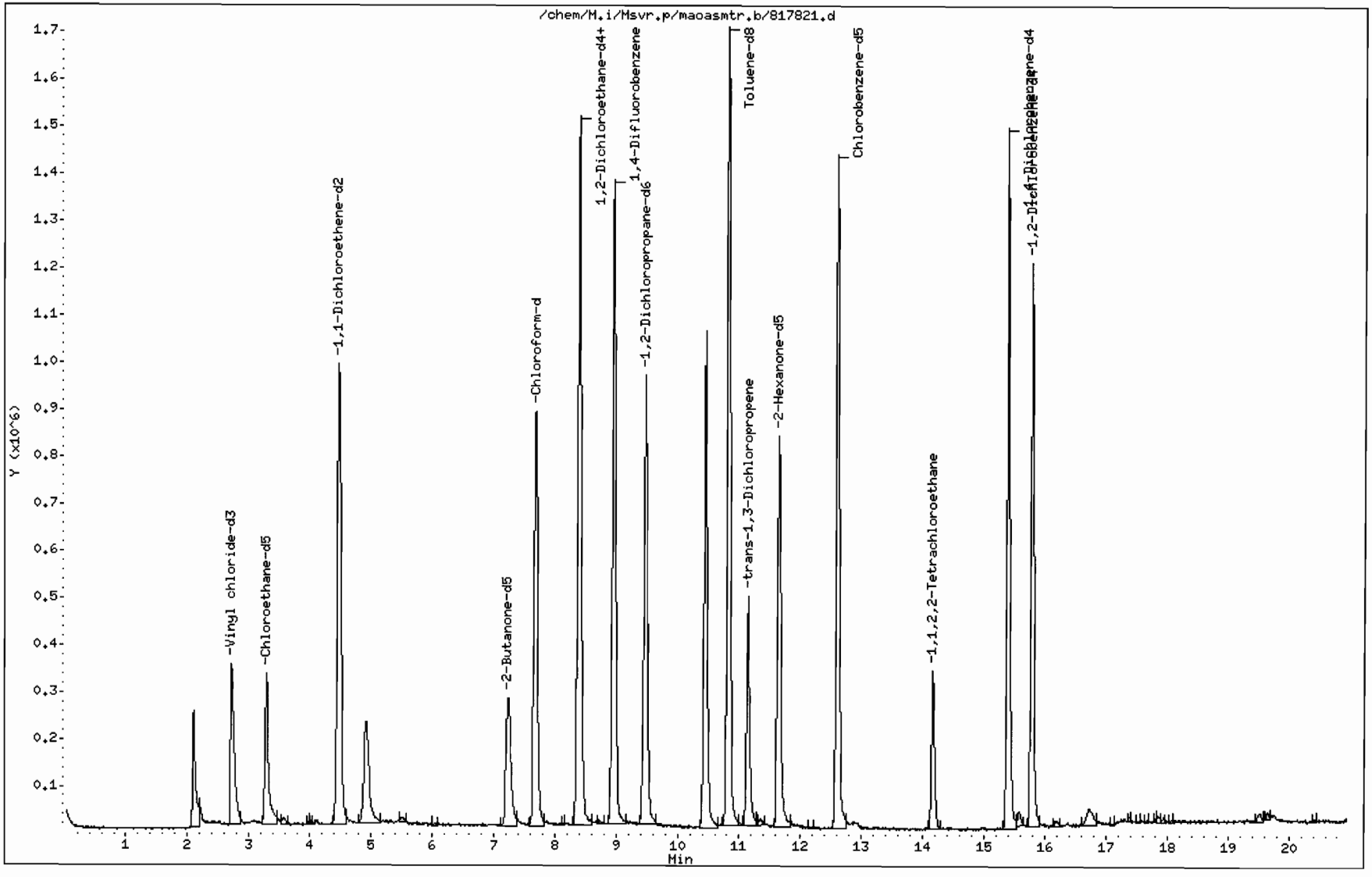
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	67-63-0	Isopropyl Alcohol	4.92	1.3	NJ
02		Unknown	10.44	3.6	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/M.i/Msvr.p/maoasmtr.b/817821.d
Date : 19-JAN-2010 16:40
Client ID: TB100114
Sample Info: TB100114 :[ ]01/14/10 @1630(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: MRV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/817821.d
Lab Smp Id: 817821 Client Smp ID: TB100114
Inj Date : 19-JAN-2010 16:40
Operator : MRV Inst ID: M.i
Smp Info : TB100114 :[ ]01/14/10 @1630(WATER)
Misc Info : 817821,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	2.711	2.720	(0.303)	879957	4.81130	4.8
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	3.285	3.294	(0.367)	727348	5.06792	5.1
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	4.471	4.480	(0.499)	1681854	4.23415	4.2
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	Compound Not Detected.					
13	Carbon disulfide	76	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	7.220	7.229	(0.806)	685550	53.2433	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	7.685	7.684	(0.858)	1350366	5.10878	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	8.387	8.386	(0.936)	398888	4.75204	4.8(Q)
$	29 Benzene-d6	84	8.397	8.396	(0.666)	2052118	5.07656	5.1
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	8.961	8.960	(1.000)	1957807	5.00000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.475	9.484	(0.752)	947133	4.62216	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	10.820	10.829	(0.859)	2101951	5.01276	5.0
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	11.136	11.145	(0.884)	508013	5.04009	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	11.640	11.649	(0.924)	693583	50.9751	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	12.599	12.599	(1.000)	1457434	5.00000	
	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	14.162	14.161	(1.124)	356084	4.96315	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	15.388	15.387	(1.000)	687627	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	15.783	15.783	(1.026)	516381	4.89393	4.9
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/M.i/Msvr.p/maoasmtr.b/817821.d
Lab Smp Id: 817821 Client Smp ID: TB100114
Inj Date : 19-JAN-2010 16:40
Operator : MRV Inst ID: M.i
Smp Info : TB100114 :[ ]01/14/10 @1630(WATER)
Misc Info : 817821,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	8.961	5157944	5.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Isopropyl Alcohol				CAS #: 67-63-0			
4.916	1312419	1.27223034	1.3	86	NIST05.l	290	32
Unknown				CAS #:			
10.444	3733100	3.61878661	3.6	0		0	32

Data File: /chem/M.i/Msvr.p/maoasmtr.b/817821.d

Date : 19-JAN-2010 16:40

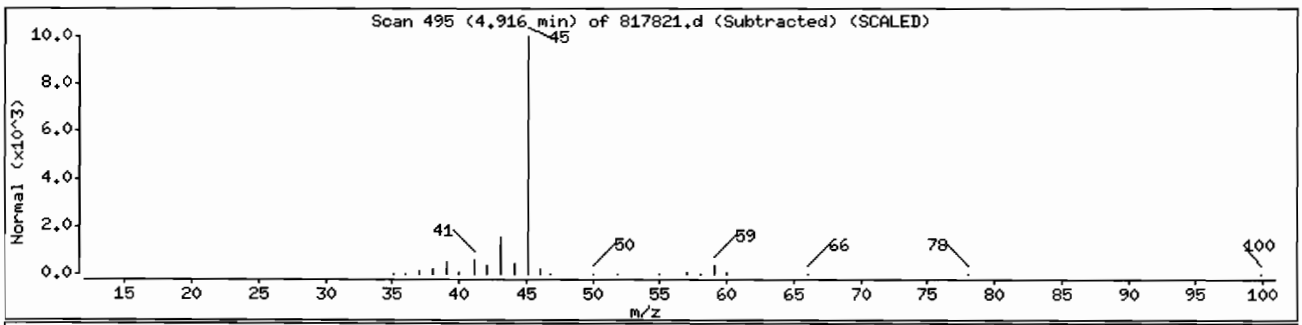
Client ID: TB100114 Instrument: M.i

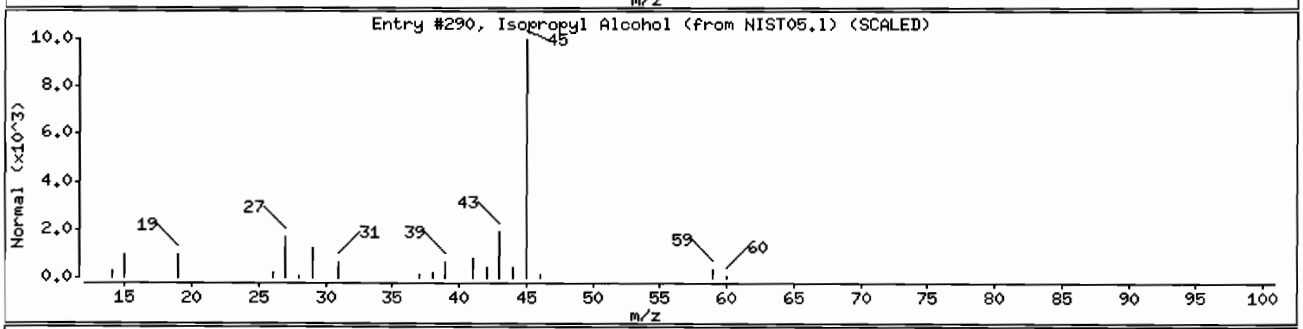
Sample Info: TB100114 :[ ]01/14/10 @1630(WATER)

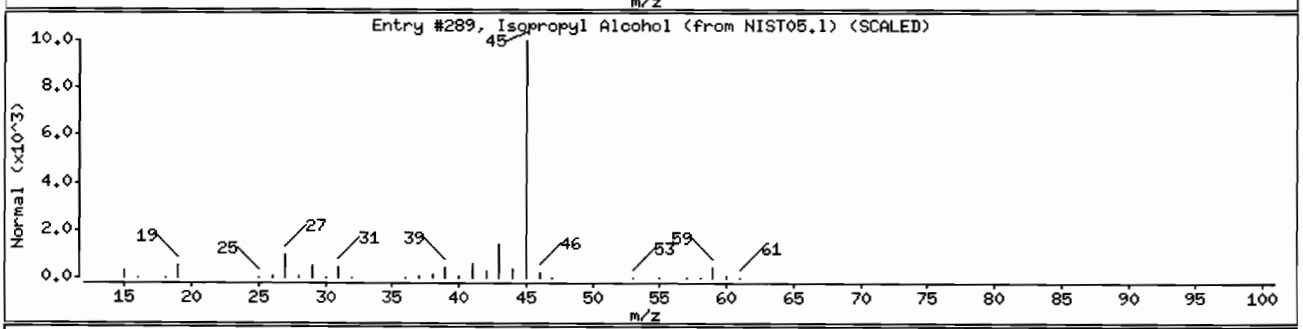
Purge Volume: 25.0 Operator: MRV

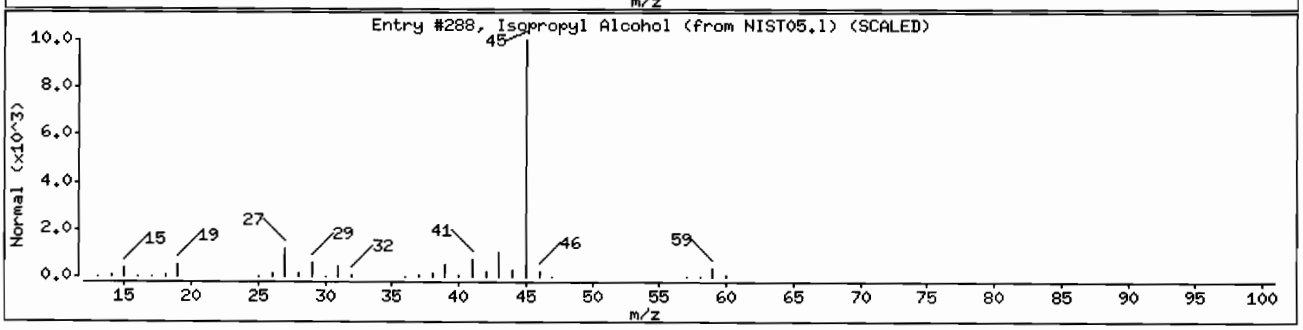
Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Isopropyl Alcohol	67-63-0	NIST05.l	290	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.l	289	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.l	288	86	C3H8O	60









Data File: /chem/M.i/Msvr.p/maoasmtr.b/817821.d

Date : 19-JAN-2010 16:40

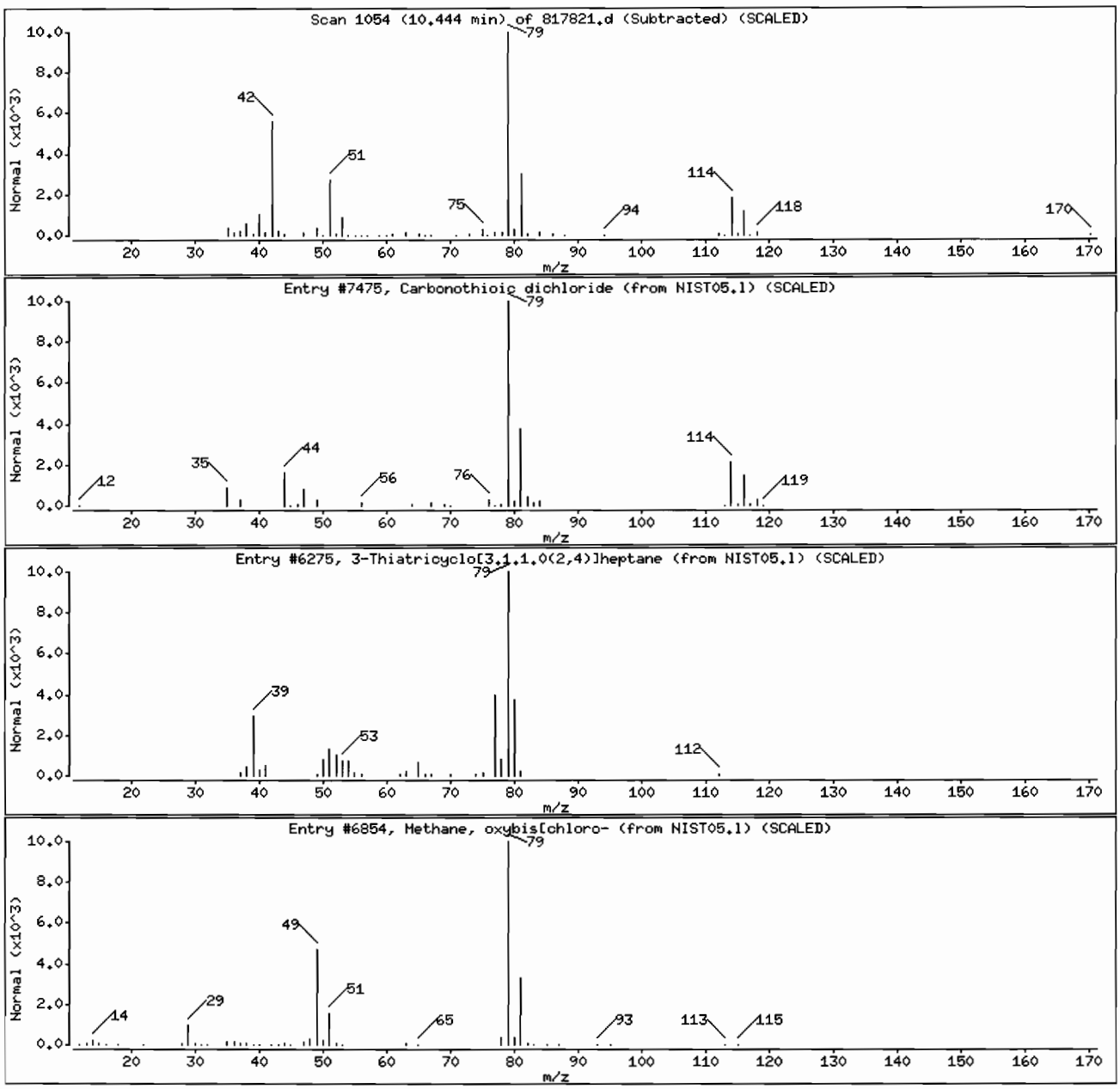
Client ID: TB100114 Instrument: M.i

Sample Info: TB100114 :[ ]01/14/10 @1630(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	43	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.l	6275	32	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.l	6854	25	C2H4Cl2O	114



Standards – SOM01.2 Volatiles – Trace

6A - FORM VI VOA-1
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date(s): 01/18/2010 01/18/2010

Heated Purge: (Y/N)N Calibration Time(s): 1134 1340

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF0.5 = MAO005V RRF1.0 = MAO01V
RRF5.0 = MAO05V RRF10 = MAO10V RRF20 = MAO20V

COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	$\overline{RRF}$	%RSD
Dichlorodifluoromethane	0.452	0.455	0.445	0.426	0.387	0.433	6.5
Chloromethane	0.431	0.406	0.392	0.391	0.348	0.393	7.7
Vinyl chloride	0.429	0.436	0.416	0.430	0.385	0.419	4.8
Bromomethane	0.209	0.222	0.234	0.265	0.246	0.235	9.1
Chloroethane	0.285	0.271	0.272	0.279	0.248	0.271	5.2
Trichlorofluoromethane	0.732	0.760	0.734	0.730	0.659	0.723	5.2
1,1-Dichloroethene	0.284	0.369	0.360	0.363	0.332	0.342	10.3
1,1,2-Trichloro-1,2,2-trifluoroethane	0.613	0.774	0.759	0.755	0.678	0.716	9.5
Acetone	0.010	0.014	0.013	0.014	0.013	0.013	11.8
Carbon disulfide	1.091	1.132	1.105	1.153	1.038	1.104	4.0
Methyl acetate	0.059	0.058	0.051	0.058	0.048	0.055	8.9
Methylene chloride	0.250	0.240	0.227	0.241	0.218	0.235	5.4
trans-1,2-Dichloroethene	0.394	0.380	0.372	0.370	0.370	0.377	2.7
Methyl tert-butyl ether	0.293	0.291	0.292	0.315	0.291	0.296	3.5
1,1-Dichloroethane	0.866	0.858	0.818	0.856	0.804	0.840	3.3
cis-1,2-Dichloroethene	0.324	0.328	0.326	0.337	0.309	0.325	3.1
2-Butanone	0.031	0.032	0.031	0.033	0.030	0.031	3.7
Bromochloromethane	0.105	0.106	0.103	0.106	0.101	0.104	2.1
Chloroform	0.657	0.644	0.638	0.658	0.607	0.641	3.2
1,1,1-Trichloroethane	0.908	0.941	0.988	0.910	0.899	0.929	3.9
Cyclohexane	1.053	1.063	1.119	1.031	0.999	1.053	4.2
Carbon tetrachloride	0.793	0.835	0.874	0.795	0.796	0.819	4.3
Benzene	1.321	1.336	1.447	1.371	1.346	1.364	3.6
1,2-Dichloroethane	0.220	0.249	0.232	0.254	0.235	0.238	5.7
Trichloroethene	0.595	0.663	0.698	0.625	0.643	0.645	6.0
Methylcyclohexane	0.883	0.921	0.948	0.896	0.881	0.906	3.1

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

6B - FORM VI VOA-2
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date(s): 01/18/2010 01/18/2010

Heated Purge: (Y/N)N Calibration Time(s): 1134 1340

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF0.5 = MAO005V RRF1.0 = MAO01V
RRF5.0 = MAO05V RRF10 = MAO10V RRF20 = MAO20V

COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	$\overline{RRF}$	%RSD
1,2-Dichloropropane	0.519	0.537	0.553	0.553	0.561	0.544	3.1
Bromodichloromethane	0.616	0.646	0.646	0.651	0.663	0.645	2.7
cis-1,3-Dichloropropene	0.529	0.538	0.564	0.573	0.573	0.555	3.7
4-Methyl-2-pentanone	0.128	0.133	0.141	0.142	0.137	0.136	4.2
Toluene	1.444	1.523	1.547	1.523	1.496	1.507	2.6
trans-1,3-Dichloropropene	0.359	0.353	0.356	0.369	0.370	0.362	2.2
1,1,2-Trichloroethane	0.180	0.194	0.196	0.198	0.202	0.194	4.2
Tetrachloroethene	0.501	0.520	0.514	0.507	0.529	0.514	2.1
2-Hexanone	0.087	0.091	0.093	0.097	0.093	0.092	3.9
Dibromochloromethane	0.302	0.325	0.328	0.338	0.350	0.328	5.4
1,2-Dibromoethane	0.263	0.267	0.260	0.277	0.282	0.270	3.5
Chlorobenzene	1.000	1.028	1.021	1.020	1.012	1.016	1.1
Ethylbenzene	1.914	2.062	2.031	1.994	1.982	1.997	2.8
o-Xylene	0.630	0.661	0.660	0.659	0.647	0.651	2.0
m,p-Xylene	0.731	0.732	0.750	0.753	0.754	0.744	1.6
Styrene	0.932	0.977	0.996	1.023	1.006	0.987	3.5
Bromoform	0.333	0.374	0.370	0.399	0.405	0.376	7.6
Isopropylbenzene	2.203	2.315	2.287	2.260	2.218	2.257	2.1
1,1,2,2-Tetrachloroethane	0.250	0.253	0.236	0.249	0.245	0.246	2.7
1,3-Dichlorobenzene	1.433	1.481	1.484	1.514	1.487	1.480	2.0
1,4-Dichlorobenzene	1.541	1.586	1.523	1.577	1.540	1.553	1.7
1,2-Dichlorobenzene	1.087	1.128	1.076	1.113	1.105	1.102	1.9
1,2-Dibromo-3-chloropropane	0.112	0.099	0.078	0.080	0.080	0.090	16.7
1,2,4-Trichlorobenzene	0.841	0.873	0.858	0.911	0.882	0.873	3.0
1,2,3-Trichlorobenzene	0.618	0.648	0.615	0.645	0.637	0.633	2.4

SOM01.2

6C - FORM VI VOA-3
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date(s): 01/18/2010 01/18/2010

Heated Purge: (Y/N)N Calibration Time(s): 1134 1340

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

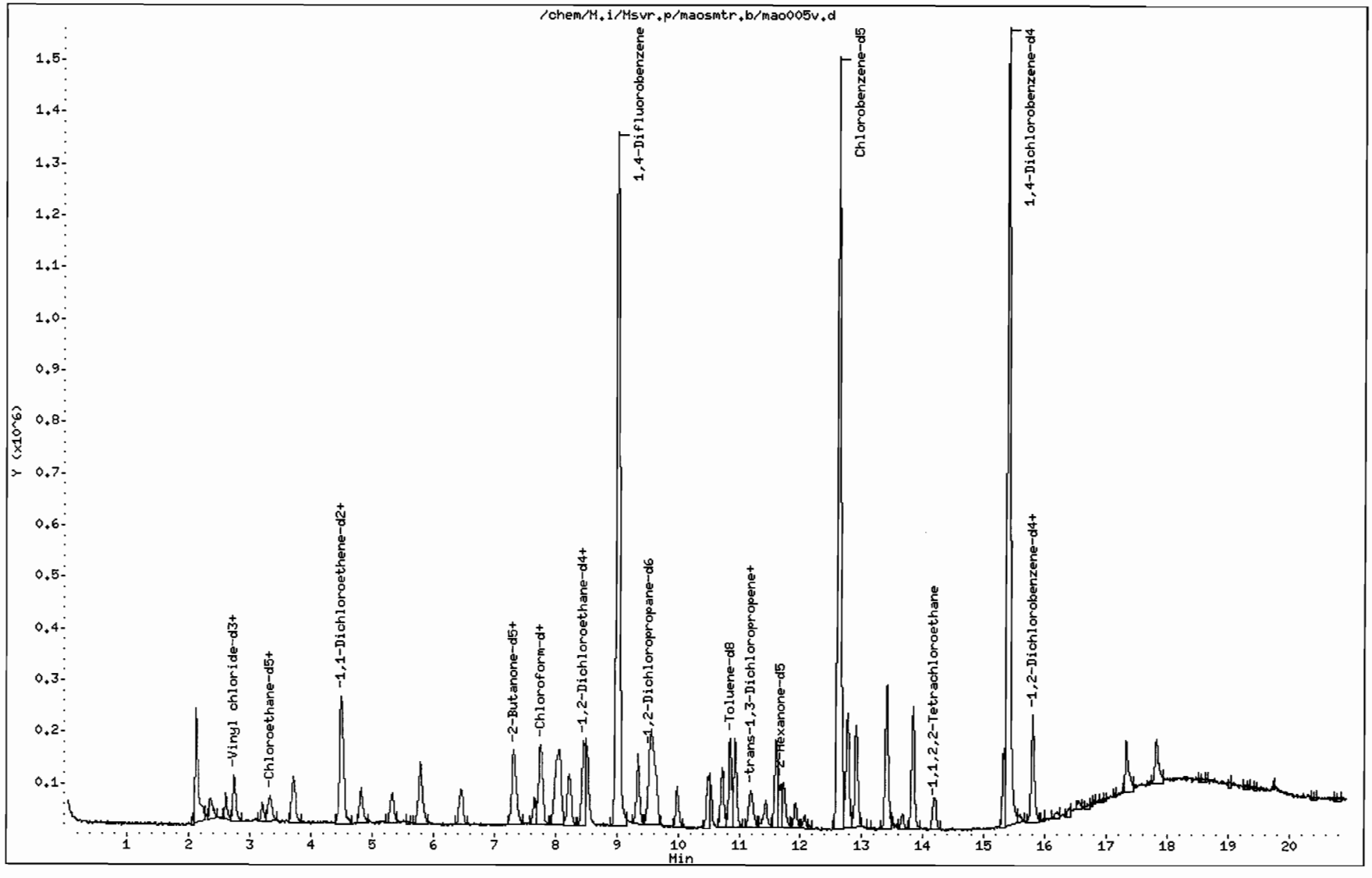
LAB FILE ID: RRF0.5 = MAO005V RRF1.0 = MAO01V
RRF5.0 = MAO05V RRF10 = MAO10V RRF20 = MAO20V

COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	$\overline{RRF}$	%RSD
Vinyl chloride-d3	0.513	0.475	0.455	0.468	0.424	0.467	6.9
Chloroethane-d5	0.371	0.375	0.369	0.377	0.342	0.367	3.9
1,1-Dichloroethene-d2	0.888	1.099	1.056	1.067	0.962	1.014	8.6
2-Butanone-d5	0.031	0.032	0.032	0.036	0.032	0.033	5.7
Chloroform-d	0.684	0.696	0.670	0.687	0.638	0.675	3.3
1,2-Dichloroethane-d4	0.244	0.229	0.190	0.213	0.195	0.214	10.6
Benzene-d6	1.293	1.394	1.468	1.402	1.377	1.387	4.5
1,2-Dichloropropane-d6	0.673	0.707	0.724	0.708	0.704	0.703	2.7
Toluene-d8	1.409	1.451	1.470	1.433	1.429	1.439	1.6
trans-1,3-Dichloropropene-d4	0.337	0.341	0.340	0.354	0.358	0.346	2.7
2-Hexanone-d5	0.041	0.046	0.049	0.049	0.048	0.047	7.4
1,1,2,2-Tetrachloroethane-d2	0.252	0.244	0.238	0.247	0.250	0.246	2.2
1,2-Dichlorobenzene-d4	0.764	0.775	0.767	0.772	0.758	0.767	0.9

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/M.i/Msvr.p/maosmtr.b/mao005v.d
Date : 18-JAN-2010 11:34
Client ID: VSTD0.5MO
Instrument: M.i
Sample Info:
Purge Volume: 25.0
Operator: MRV
Column phase: DB-624
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maosmtr.b/mao005v.d
Lab Smp Id: VSTD0.5MO Client Smp ID: VSTD0.5MO
Inj Date : 18-JAN-2010 11:34
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VSTD0.5MO,,1,5
Comment :
Method : /chem/M.i/Msvr.p/maosmtr.b/somtr4.m
Meth Date : 20-Jan-2010 10:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 11:34 Cal File: mao005v.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	2.350	2.345	(0.261)	89816	0.50000	0.52
2	Chloromethane	50	2.607	2.593	(0.289)	85644	0.50000	0.55
$ 3	Vinyl chloride-d3	65	2.735	2.731	(0.303)	101962	0.50000	0.55
4	Vinyl chloride	62	2.745	2.741	(0.305)	85320	0.50000	0.51
5	Bromomethane	94	3.210	3.196	(0.356)	41579	0.50000	0.45(a)
$ 6	Chloroethane-d5	69	3.309	3.295	(0.367)	73635	0.50000	0.51
7	Chloroethane	64	3.348	3.334	(0.371)	56653	0.50000	0.53
8	Trichlorofluoromethane	101	3.704	3.700	(0.411)	145411	0.50000	0.51
$ 9	1,1-Dichloroethene-d2	63	4.476	4.491	(0.496)	176419	0.50000	0.44(a)
10	1,1-Dichloroethene	96	4.505	4.511	(0.500)	56445	0.50000	0.42(a)
11	1,1,2-Trichloro-1,2,2-trifluo	101	4.505	4.511	(0.500)	121909	0.50000	0.43(a)
12	Acetone	43	4.614	4.640	(0.512)	20272	5.00000	4.0(a)
13	Carbon disulfide	76	4.822	4.857	(0.535)	216831	0.50000	0.49(a)
14	Methyl acetate	43	5.168	5.183	(0.573)	11771	0.50000	0.54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	5.326	5.322	(0.591)	49743	0.50000	0.53
	16 trans-1,2-Dichloroethene	96	5.781	5.757	(0.641)	78222	0.50000	0.52
	17 Methyl tert-butyl ether	73	5.801	5.777	(0.643)	58199	0.50000	0.49(a)
	18 1,1-Dichloroethane	63	6.463	6.400	(0.717)	172042	0.50000	0.52
$	19 2-Butanone-d5	46	7.294	7.240	(0.809)	62517	5.00000	4.8(a)
	20 cis-1,2-Dichloroethene	96	7.323	7.270	(0.812)	64366	0.50000	0.50
	21 2-Butanone	43	7.383	7.329	(0.819)	61999	5.00000	5.0
	22 Bromochloromethane	128	7.660	7.606	(0.850)	20910	0.50000	0.50(Q)
$	23 Chloroform-d	84	7.749	7.695	(0.860)	135998	0.50000	0.51
	24 Chloroform	83	7.778	7.725	(0.863)	130481	0.50000	0.51
	25 1,1,1-Trichloroethane	97	8.016	7.952	(0.635)	135139	0.50000	0.49(a)
	26 Cyclohexane	56	8.065	8.021	(0.639)	156691	0.50000	0.50
	27 Carbon tetrachloride	117	8.233	8.180	(0.653)	117951	0.50000	0.48(a)
$	28 1,2-Dichloroethane-d4	65	8.441	8.397	(0.936)	48476	0.50000	0.57
$	29 Benzene-d6	84	8.460	8.417	(0.671)	192332	0.50000	0.47(a)
	30 Benzene	78	8.510	8.466	(0.675)	196589	0.50000	0.48(a)
	31 1,2-Dichloroethane	62	8.549	8.506	(0.948)	43727	0.50000	0.46(a)
*	32 1,4-Difluorobenzene	114	9.014	8.971	(1.000)	1987386	5.00000	
	33 Trichloroethene	95	9.341	9.307	(0.741)	88582	0.50000	0.46(a)
$	34 1,2-Dichloropropane-d6	67	9.528	9.485	(0.755)	100058	0.50000	0.48(a)
	35 Methylcyclohexane	55	9.568	9.534	(0.759)	131420	0.50000	0.49(a)
	36 1,2-Dichloropropane	63	9.627	9.594	(0.763)	77137	0.50000	0.48(a)
	37 Bromodichloromethane	83	9.983	9.940	(0.791)	91653	0.50000	0.48(a)
	38 cis-1,3-Dichloropropene	75	10.527	10.493	(0.835)	78726	0.50000	0.48(a)
	39 4-Methyl-2-pentanone	43	10.725	10.691	(0.850)	190360	5.00000	4.7(a)
$	40 Toluene-d8	98	10.853	10.820	(0.860)	209666	0.50000	0.49(a)
	41 Toluene	91	10.933	10.909	(0.867)	214793	0.50000	0.48(a)
$	42 trans-1,3-Dichloropropene-d4	79	11.180	11.146	(0.886)	50101	0.50000	0.49(a)
	43 trans-1,3-Dichloropropene	75	11.209	11.186	(0.889)	53445	0.50000	0.50(Q)
	44 1,1,2-Trichloroethane	97	11.447	11.423	(0.907)	26828	0.50000	0.46(a)
	45 Tetrachloroethene	164	11.595	11.591	(0.919)	74563	0.50000	0.49(a)
$	46 2-Hexanone-d5	63	11.674	11.660	(0.926)	61070	5.00000	4.4(a)
	47 2-Hexanone	43	11.733	11.729	(0.930)	129546	5.00000	4.7(a)
	48 Dibromochloromethane	129	11.921	11.917	(0.945)	44869	0.50000	0.46(a)
	49 1,2-Dibromoethane	107	12.070	12.076	(0.957)	39059	0.50000	0.49(a)
*	50 Chlorobenzene-d5	117	12.614	12.639	(1.000)	1487626	5.00000	
	51 Chlorobenzene	112	12.653	12.669	(1.003)	148789	0.50000	0.49(a)
	52 Ethylbenzene	91	12.772	12.797	(1.013)	284783	0.50000	0.48(a)
	53 m,p-Xylene	106	12.900	12.936	(1.023)	108716	0.50000	0.49(a)
	54 Styrene	104	13.415	13.460	(1.063)	138658	0.50000	0.47(a)
	55 o-Xylene	106	13.395	13.440	(1.062)	93707	0.50000	0.48(a)
	56 Bromoform	173	13.662	13.717	(0.888)	22833	0.50000	0.44(a)
	57 Isopropylbenzene	105	13.830	13.885	(1.096)	327670	0.50000	0.49(a)
$	58 1,1,2,2-Tetrachloroethane-d2	84	14.166	14.241	(1.123)	37457	0.50000	0.51
	59 1,1,2,2-Tetrachloroethane	83	14.206	14.271	(1.126)	37131	0.50000	0.51
	60 1,3-Dichlorobenzene	146	15.323	15.408	(0.996)	98222	0.50000	0.48(a)
*	61 1,4-Dichlorobenzene-d4	152	15.392	15.467	(1.000)	685572	5.00000	(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	15.422	15.497	(1.002)	105628	0.50000	0.50
$ 63 1,2-Dichlorobenzene-d4	152	15.788	15.873	(1.026)	52392	0.50000	0.50
64 1,2-Dichlorobenzene	146	15.807	15.892	(1.027)	74552	0.50000	0.49(a)
65 1,2-Dibromo-3-chloropropane	75	16.539	16.644	(1.075)	7696	0.50000	0.62(Q)
66 1,2,4-Trichlorobenzene	180	17.320	17.435	(1.125)	57626	0.50000	0.48(a)
67 1,2,3-Trichlorobenzene	180	17.825	17.949	(1.158)	42387	0.50000	0.49(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/M.i/Msvr.p/maosmtr.b/mao01v.d

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Date : 18-JAN-2010 12:06

Client ID: VSTD001HO

Instrument: M.i

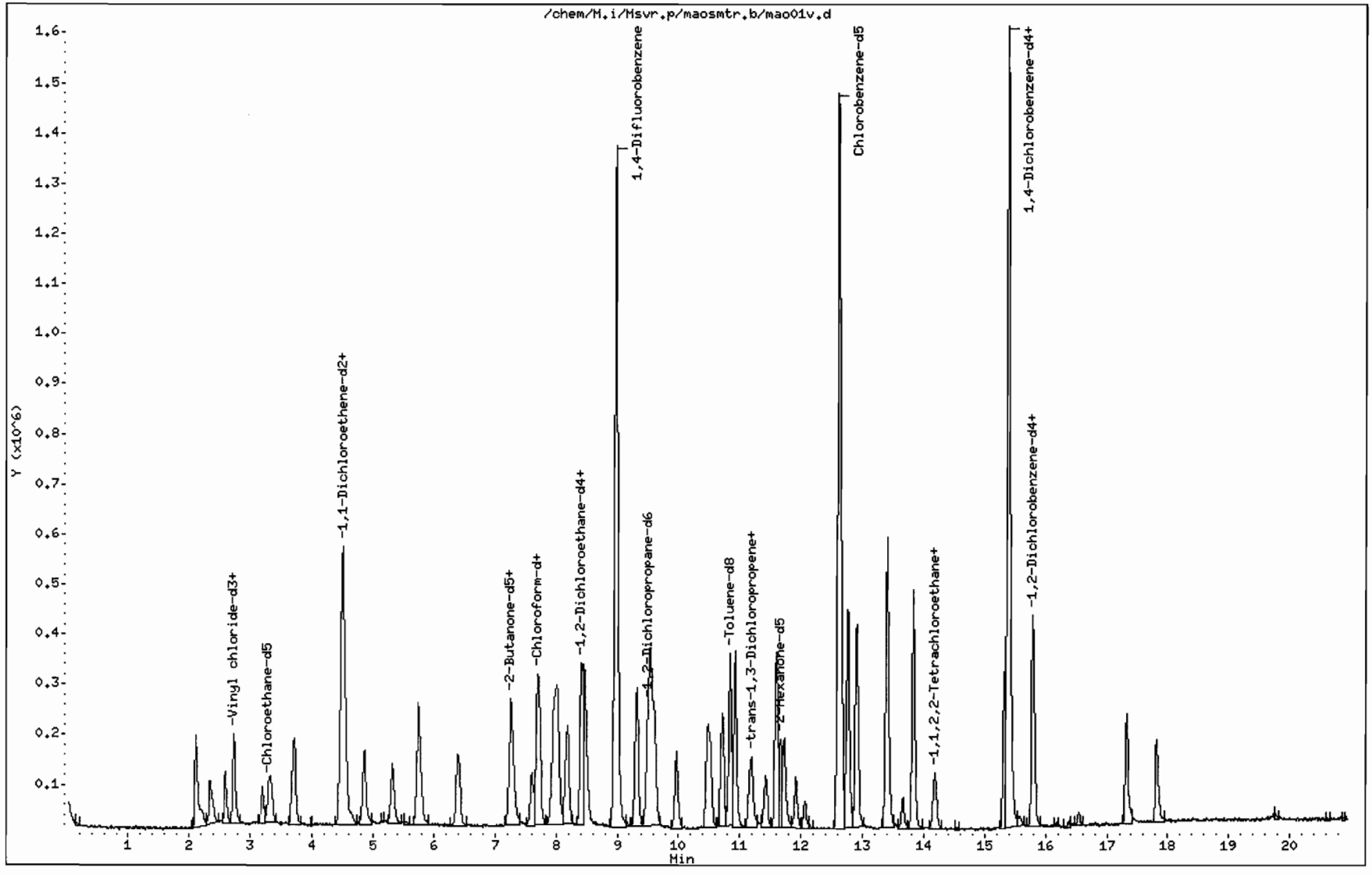
Sample Info:

Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maosmtr.b/mao01v.d
Lab Smp Id: VSTD001MO Client Smp ID: VSTD001MO
Inj Date : 18-JAN-2010 12:06
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VSTD001MO,,1,5
Comment :
Method : /chem/M.i/Msvr.p/maosmtr.b/somtr4.m
Meth Date : 20-Jan-2010 10:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 12:06 Cal File: mao01v.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	2.345	2.345	(0.261)	181060	1.00000	1.1
	2 Chloromethane	50	2.592	2.593	(0.289)	161653	1.00000	1.0
$	3 Vinyl chloride-d3	65	2.721	2.731	(0.303)	189346	1.00000	1.0
	4 Vinyl chloride	62	2.731	2.741	(0.304)	173677	1.00000	1.0
	5 Bromomethane	94	3.195	3.196	(0.356)	88255	1.00000	0.94
$	6 Chloroethane-d5	69	3.294	3.295	(0.367)	149164	1.00000	1.0
	7 Chloroethane	64	3.334	3.334	(0.371)	107761	1.00000	1.00
	8 Trichlorofluoromethane	101	3.700	3.700	(0.412)	302660	1.00000	1.1
$	9 1,1-Dichloroethene-d2	63	4.491	4.491	(0.500)	437703	1.00000	1.1
	10 1,1-Dichloroethene	96	4.500	4.511	(0.501)	146764	1.00000	1.1
	11 1,1,2-Trichloro-1,2,2-trifluo	101	4.510	4.511	(0.502)	308194	1.00000	1.1
	12 Acetone	43	4.639	4.640	(0.517)	54487	10.0000	11
	13 Carbon disulfide	76	4.856	4.857	(0.541)	450778	1.00000	1.0
	14 Methyl acetate	43	5.183	5.183	(0.577)	23238	1.00000	1.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	5.321	5.322	(0.593)	95631	1.00000	1.0
	16 trans-1,2-Dichloroethene	96	5.746	5.757	(0.640)	151381	1.00000	1.0
	17 Methyl tert-butyl ether	73	5.766	5.777	(0.642)	115979	1.00000	0.98
	18 1,1-Dichloroethane	63	6.389	6.400	(0.711)	341860	1.00000	1.0
$	19 2-Butanone-d5	46	7.240	7.240	(0.806)	129246	10.0000	9.9
	20 cis-1,2-Dichloroethene	96	7.259	7.270	(0.808)	130551	1.00000	1.0
	21 2-Butanone	43	7.329	7.329	(0.816)	126271	10.0000	10
	22 Bromochloromethane	128	7.605	7.606	(0.847)	42290	1.00000	1.0 (Q)
$	23 Chloroform-d	84	7.694	7.695	(0.857)	277115	1.00000	1.0
	24 Chloroform	83	7.714	7.725	(0.859)	256492	1.00000	1.0
	25 1,1,1-Trichloroethane	97	7.961	7.952	(0.631)	272394	1.00000	1.0
	26 Cyclohexane	56	8.021	8.021	(0.636)	307742	1.00000	1.0
	27 Carbon tetrachloride	117	8.179	8.180	(0.649)	241795	1.00000	1.0
$	28 1,2-Dichloroethane-d4	65	8.406	8.397	(0.936)	91332	1.00000	1.1
$	29 Benzene-d6	84	8.416	8.417	(0.667)	403579	1.00000	1.0
	30 Benzene	78	8.466	8.466	(0.671)	386607	1.00000	0.98
	31 1,2-Dichloroethane	62	8.505	8.506	(0.947)	99128	1.00000	1.0
*	32 1,4-Difluorobenzene	114	8.980	8.971	(1.000)	1991256	5.00000	
	33 Trichloroethene	95	9.316	9.307	(0.739)	191943	1.00000	1.0
$	34 1,2-Dichloropropane-d6	67	9.494	9.485	(0.753)	204579	1.00000	1.0
	35 Methylcyclohexane	55	9.544	9.534	(0.757)	266516	1.00000	1.0
	36 1,2-Dichloropropane	63	9.613	9.594	(0.762)	155338	1.00000	0.99
	37 Bromodichloromethane	83	9.959	9.940	(0.790)	187139	1.00000	1.0
	38 cis-1,3-Dichloropropene	75	10.513	10.493	(0.834)	155875	1.00000	0.97
	39 4-Methyl-2-pentanone	43	10.710	10.691	(0.849)	385774	10.0000	9.8
$	40 Toluene-d8	98	10.839	10.820	(0.860)	420146	1.00000	1.0
	41 Toluene	91	10.918	10.909	(0.866)	440876	1.00000	1.0
$	42 trans-1,3-Dichloropropene-d4	79	11.165	11.146	(0.886)	98682	1.00000	0.99
	43 trans-1,3-Dichloropropene	75	11.195	11.186	(0.888)	102216	1.00000	0.98 (Q)
	44 1,1,2-Trichloroethane	97	11.422	11.423	(0.906)	56208	1.00000	1.0
	45 Tetrachloroethene	164	11.590	11.591	(0.919)	150571	1.00000	1.0
$	46 2-Hexanone-d5	63	11.660	11.660	(0.925)	132444	10.0000	9.8
	47 2-Hexanone	43	11.729	11.729	(0.930)	263257	10.0000	9.9
	48 Dibromochloromethane	129	11.917	11.917	(0.945)	94102	1.00000	0.99
	49 1,2-Dibromoethane	107	12.055	12.076	(0.956)	77384	1.00000	0.99
*	50 Chlorobenzene-d5	117	12.609	12.639	(1.000)	1447365	5.00000	
	51 Chlorobenzene	112	12.648	12.669	(1.003)	297655	1.00000	1.0
	52 Ethylbenzene	91	12.757	12.797	(1.012)	596819	1.00000	1.0
	53 m,p-Xylene	106	12.906	12.936	(1.024)	212030	1.00000	0.98
	54 Styrene	104	13.410	13.460	(1.064)	282812	1.00000	0.99
	55 o-Xylene	106	13.390	13.440	(1.062)	191235	1.00000	1.0
	56 Bromoform	173	13.657	13.717	(0.888)	49795	1.00000	0.99
	57 Isopropylbenzene	105	13.825	13.885	(1.096)	670105	1.00000	1.0
$	58 1,1,2,2-Tetrachloroethane-d2	84	14.161	14.241	(1.123)	70520	1.00000	0.99
	59 1,1,2,2-Tetrachloroethane	83	14.201	14.271	(1.126)	73161	1.00000	1.0
	60 1,3-Dichlorobenzene	146	15.318	15.408	(0.996)	197375	1.00000	1.0
*	61 1,4-Dichlorobenzene-d4	152	15.387	15.467	(1.000)	666329	5.00000	(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62	1,4-Dichlorobenzene	146	15.407	15.497	(1.001)	211418	1.00000	1.0
$ 63	1,2-Dichlorobenzene-d4	152	15.783	15.873	(1.026)	103334	1.00000	1.0
64	1,2-Dichlorobenzene	146	15.803	15.892	(1.027)	150314	1.00000	1.0
65	1,2-Dibromo-3-chloropropane	75	16.544	16.644	(1.075)	13146	1.00000	1.1
66	1,2,4-Trichlorobenzene	180	17.316	17.435	(1.125)	116356	1.00000	1.0
67	1,2,3-Trichlorobenzene	180	17.810	17.949	(1.157)	86325	1.00000	1.0

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/M.i/Msvr.p/maosmtr.b/mao05v.d

Date : 18-JAN-2010 12:37

Client ID: VSTD005M0

Sample Info:

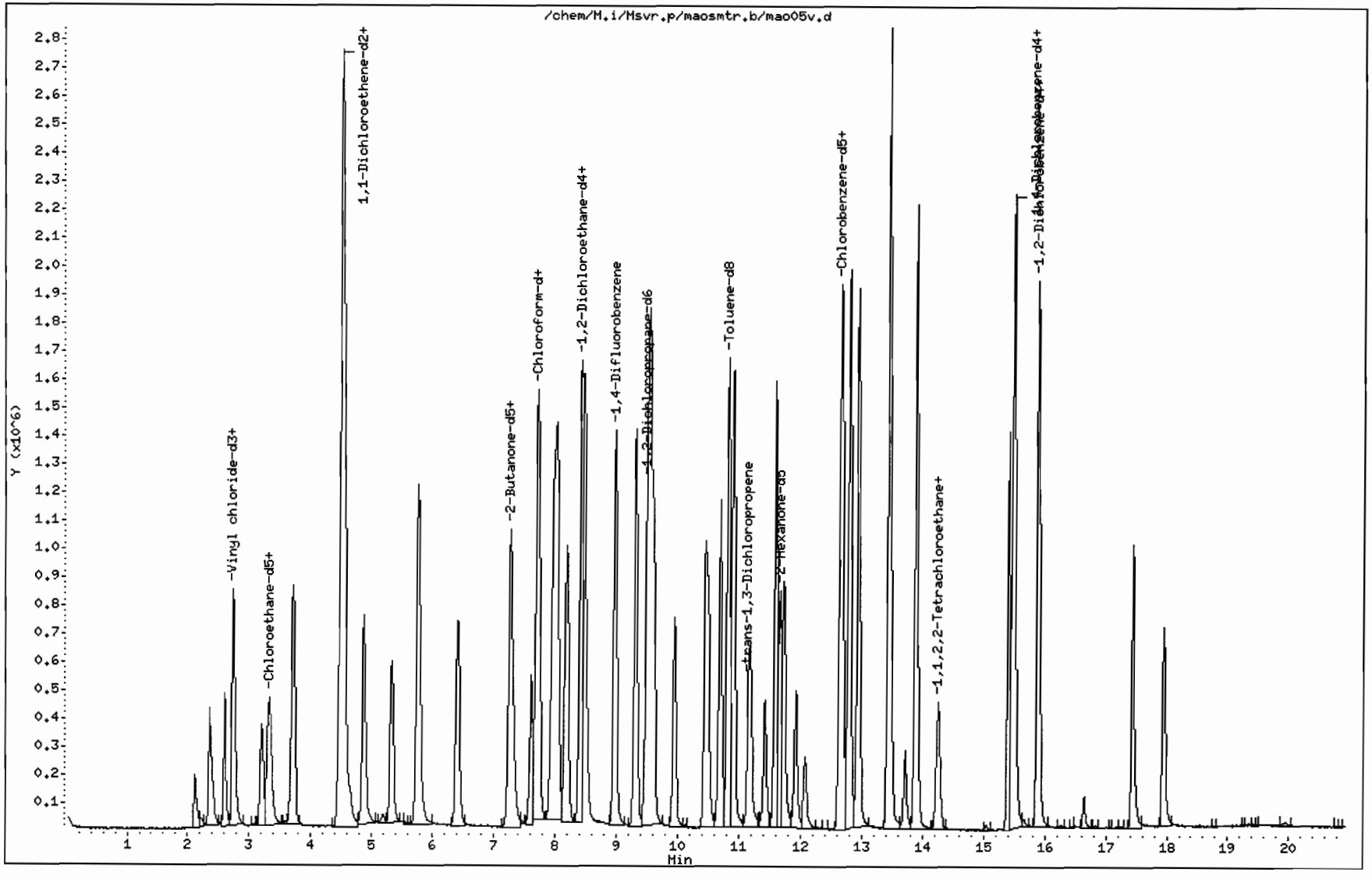
Purge Volume: 25.0

Column phase: DB-624

Instrument: M.i

Operator: MRV

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maosmtr.b/mao05v.d
Lab Smp Id: VSTD005MO Client Smp ID: VSTD005MO
Inj Date : 18-JAN-2010 12:37
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VSTD005MO,,1,5
Comment :
Method : /chem/M.i/Msvr.p/maosmtr.b/somtr4.m
Meth Date : 20-Jan-2010 10:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 12:37 Cal File: mao05v.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	2.345	2.345	(0.261)	915829	5.00000	5.1
2	Chloromethane	50	2.593	2.593	(0.289)	807851	5.00000	5.0
$ 3	Vinyl chloride-d3	65	2.731	2.731	(0.304)	937392	5.00000	4.9
4	Vinyl chloride	62	2.741	2.741	(0.306)	857040	5.00000	5.0
5	Bromomethane	94	3.196	3.196	(0.356)	481642	5.00000	5.0
$ 6	Chloroethane-d5	69	3.295	3.295	(0.367)	759484	5.00000	5.0
7	Chloroethane	64	3.334	3.334	(0.372)	561135	5.00000	5.0
8	Trichlorofluoromethane	101	3.700	3.700	(0.412)	1511824	5.00000	5.1
$ 9	1,1-Dichloroethene-d2	63	4.491	4.491	(0.501)	2175150	5.00000	5.2
10	1,1-Dichloroethene	96	4.511	4.511	(0.503)	741522	5.00000	5.3
11	1,1,2-Trichloro-1,2,2-trifluo	101	4.511	4.511	(0.503)	1562237	5.00000	5.3
12	Acetone	43	4.640	4.640	(0.517)	258538	50.0000	50
13	Carbon disulfide	76	4.857	4.857	(0.541)	2275790	5.00000	5.0
14	Methyl acetate	43	5.183	5.183	(0.578)	105766	5.00000	4.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
15	Methylene chloride	84	5.322	5.322	(0.593)	468327	5.00000	4.8
16	trans-1,2-Dichloroethene	96	5.757	5.757	(0.642)	765674	5.00000	4.9
17	Methyl tert-butyl ether	73	5.777	5.777	(0.644)	601905	5.00000	4.9
18	1,1-Dichloroethane	63	6.400	6.400	(0.713)	1684843	5.00000	4.9
$ 19	2-Butanone-d5	46	7.240	7.240	(0.807)	666114	50.0000	49
20	cis-1,2-Dichloroethene	96	7.270	7.270	(0.810)	671164	5.00000	5.0
21	2-Butanone	43	7.329	7.329	(0.817)	634046	50.0000	49
22	Bromochloromethane	128	7.606	7.606	(0.848)	212064	5.00000	4.9
$ 23	Chloroform-d	84	7.695	7.695	(0.858)	1379095	5.00000	5.0
24	Chloroform	83	7.725	7.725	(0.861)	1314429	5.00000	5.0
25	1,1,1-Trichloroethane	97	7.952	7.952	(0.629)	1372138	5.00000	5.3
26	Cyclohexane	56	8.021	8.021	(0.635)	1553847	5.00000	5.3
27	Carbon tetrachloride	117	8.180	8.180	(0.647)	1212992	5.00000	5.3
$ 28	1,2-Dichloroethane-d4	65	8.397	8.397	(0.936)	391243	5.00000	4.4
$ 29	Benzene-d6	84	8.417	8.417	(0.666)	2037826	5.00000	5.3
30	Benzene	78	8.466	8.466	(0.670)	2009053	5.00000	5.3
31	1,2-Dichloroethane	62	8.506	8.506	(0.948)	478394	5.00000	4.9
* 32	1,4-Difluorobenzene	114	8.971	8.971	(1.000)	2059435	5.00000	
33	Trichloroethene	95	9.307	9.307	(0.736)	969217	5.00000	5.4
$ 34	1,2-Dichloropropane-d6	67	9.485	9.485	(0.750)	1004591	5.00000	5.1
35	Methylcyclohexane	55	9.534	9.534	(0.754)	1315539	5.00000	5.2
36	1,2-Dichloropropane	63	9.594	9.594	(0.759)	768022	5.00000	5.1
37	Bromodichloromethane	83	9.940	9.940	(0.786)	897276	5.00000	5.0
38	cis-1,3-Dichloropropene	75	10.493	10.493	(0.830)	782670	5.00000	5.1
39	4-Methyl-2-pentanone	43	10.691	10.691	(0.846)	1953895	50.0000	52
$ 40	Toluene-d8	98	10.820	10.820	(0.856)	2040358	5.00000	5.1
41	Toluene	91	10.909	10.909	(0.863)	2147271	5.00000	5.1
$ 42	trans-1,3-Dichloropropene-d4	79	11.146	11.146	(0.882)	472009	5.00000	4.9
43	trans-1,3-Dichloropropene	75	11.186	11.186	(0.885)	493962	5.00000	4.9
44	1,1,2-Trichloroethane	97	11.423	11.423	(0.904)	271868	5.00000	5.0
45	Tetrachloroethene	164	11.591	11.591	(0.917)	713410	5.00000	5.0
$ 46	2-Hexanone-d5	63	11.660	11.660	(0.923)	683123	50.0000	53
47	2-Hexanone	43	11.729	11.729	(0.928)	1295353	50.0000	51
48	Dibromochloromethane	129	11.917	11.917	(0.943)	455286	5.00000	5.0
49	1,2-Dibromoethane	107	12.076	12.076	(0.955)	360562	5.00000	4.8
* 50	Chlorobenzene-d5	117	12.639	12.639	(1.000)	1388245	5.00000	
51	Chlorobenzene	112	12.669	12.669	(1.002)	1417404	5.00000	5.0
52	Ethylbenzene	91	12.797	12.797	(1.012)	2820008	5.00000	5.1
53	m,p-Xylene	106	12.936	12.936	(1.023)	1041807	5.00000	5.0
54	Styrene	104	13.460	13.460	(1.065)	1383321	5.00000	5.0
55	o-Xylene	106	13.440	13.440	(1.063)	916224	5.00000	5.1
56	Bromoform	173	13.717	13.717	(0.887)	238493	5.00000	4.9
57	Isopropylbenzene	105	13.885	13.885	(1.099)	3175195	5.00000	5.1
$ 58	1,1,2,2-Tetrachloroethane-d2	84	14.241	14.241	(1.127)	331027	5.00000	4.8
59	1,1,2,2-Tetrachloroethane	83	14.271	14.271	(1.129)	327010	5.00000	4.8
60	1,3-Dichlorobenzene	146	15.408	15.408	(0.996)	955611	5.00000	5.0
* 61	1,4-Dichlorobenzene-d4	152	15.467	15.467	(1.000)	644057	5.00000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	15.497	15.497	(1.002)	980641	5.00000	4.9
$ 63 1,2-Dichlorobenzene-d4	152	15.873	15.873	(1.026)	494195	5.00000	5.0
64 1,2-Dichlorobenzene	146	15.892	15.892	(1.027)	693227	5.00000	4.9
65 1,2-Dibromo-3-chloropropane	75	16.644	16.644	(1.076)	50359	5.00000	4.3
66 1,2,4-Trichlorobenzene	180	17.435	17.435	(1.127)	552898	5.00000	4.9
67 1,2,3-Trichlorobenzene	180	17.949	17.949	(1.160)	395940	5.00000	4.9

Data File: /chem/M.i/Msvr.p/maosmtr.b/mao10v.d

Page 4

Date : 18-JAN-2010 13:09

Client ID: VSTD010MO

Instrument: M.i

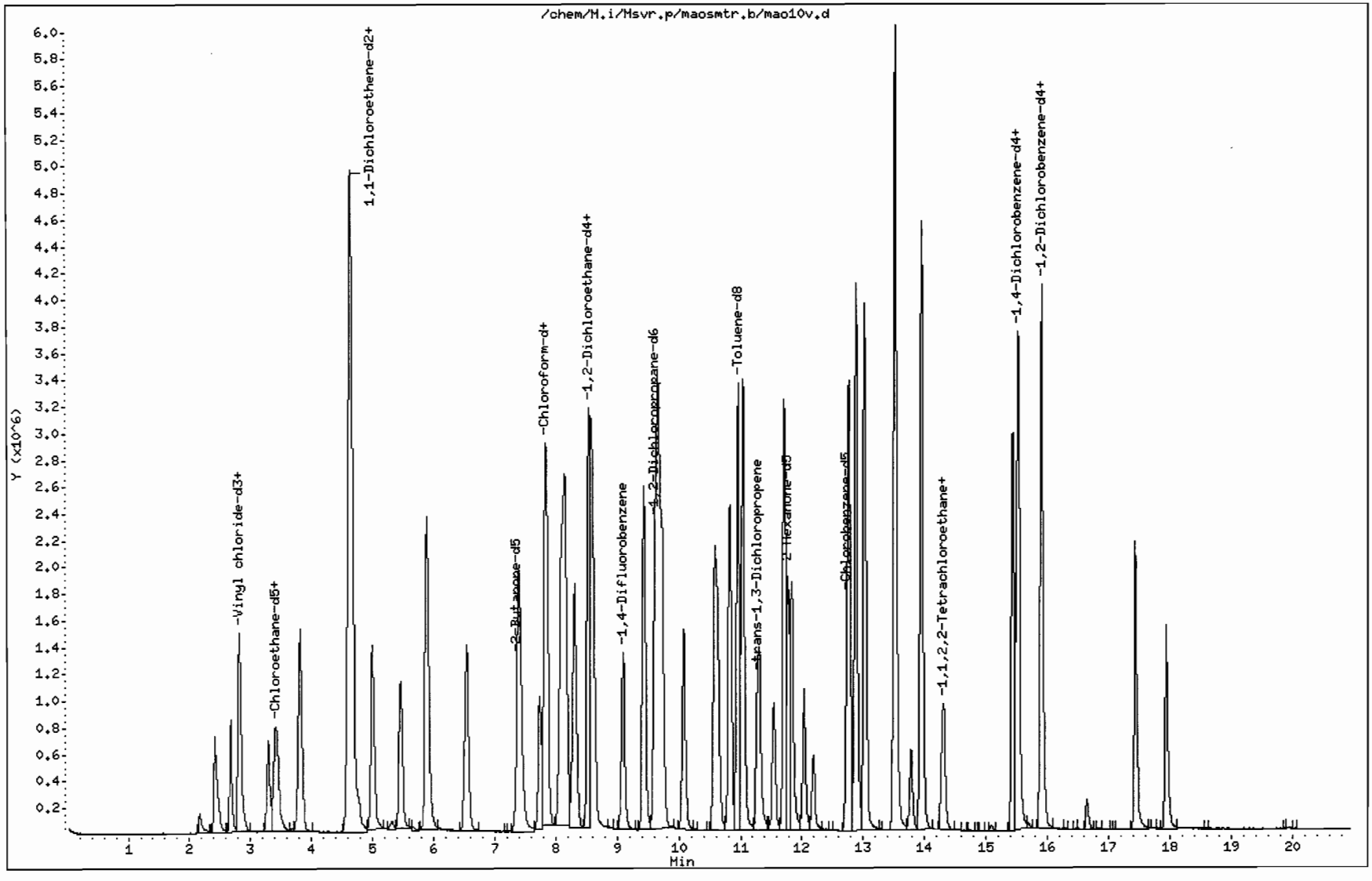
Sample Info:

Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maosmtr.b/mao10v.d
Lab Smp Id: VSTD010MO Client Smp ID: VSTD010MO
Inj Date : 18-JAN-2010 13:09
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VSTD010MO,,1,5
Comment :
Method : /chem/M.i/Msvr.p/maosmtr.b/somtr4.m
Meth Date : 20-Jan-2010 10:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:09 Cal File: mao10v.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	2.414	2.345	(0.265)	1609559	10.0000	9.8
	2 Chloromethane	50	2.671	2.593	(0.294)	1476549	10.0000	9.9
$	3 Vinyl chloride-d3	65	2.809	2.731	(0.309)	1768610	10.0000	10
	4 Vinyl chloride	62	2.819	2.741	(0.310)	1623344	10.0000	10
	5 Bromomethane	94	3.284	3.196	(0.361)	999733	10.0000	11
$	6 Chloroethane-d5	69	3.393	3.295	(0.373)	1426043	10.0000	10
	7 Chloroethane	64	3.432	3.334	(0.377)	1053884	10.0000	10
	8 Trichlorofluoromethane	101	3.818	3.700	(0.420)	2759589	10.0000	10
$	9 1,1-Dichloroethene-d2	63	4.619	4.491	(0.508)	4033197	10.0000	11
	10 1,1-Dichloroethene	96	4.648	4.511	(0.511)	1373854	10.0000	11
	11 1,1,2-Trichloro-1,2,2-trifluo	101	4.639	4.511	(0.510)	2854806	10.0000	11
	12 Acetone	43	4.767	4.640	(0.524)	527657	100.000	110
	13 Carbon disulfide	76	4.995	4.857	(0.549)	4359232	10.0000	10
	14 Methyl acetate	43	5.321	5.183	(0.585)	218788	10.0000	11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
15	Methylene chloride	84	5.459	5.322	(0.600)	909967	10.0000	10	
16	trans-1,2-Dichloroethene	96	5.885	5.757	(0.647)	1400118	10.0000	9.8	
17	Methyl tert-butyl ether	73	5.904	5.777	(0.649)	1190282	10.0000	11	
18	1,1-Dichloroethane	63	6.537	6.400	(0.718)	3234081	10.0000	10	
$ 19	2-Butanone-d5	46	7.368	7.240	(0.810)	1367449	100.000	110	
20	cis-1,2-Dichloroethene	96	7.397	7.270	(0.813)	1274813	10.0000	10	
21	2-Butanone	43	7.447	7.329	(0.818)	1250127	100.000	110	
22	Bromochloromethane	128	7.734	7.606	(0.850)	400072	10.0000	10	
$ 23	Chloroform-d	84	7.823	7.695	(0.860)	2596801	10.0000	10	
24	Chloroform	83	7.852	7.725	(0.863)	2486380	10.0000	10	
25	1,1,1-Trichloroethane	97	8.090	7.952	(0.636)	2573953	10.0000	9.8	
26	Cyclohexane	56	8.149	8.021	(0.640)	2917647	10.0000	9.8	
27	Carbon tetrachloride	117	8.307	8.180	(0.653)	2250584	10.0000	9.7	
$ 28	1,2-Dichloroethane-d4	65	8.525	8.397	(0.937)	805940	10.0000	9.9	(Q)
$ 29	Benzene-d6	84	8.544	8.417	(0.671)	3968566	10.0000	10	
30	Benzene	78	8.594	8.466	(0.675)	3879880	10.0000	10	
31	1,2-Dichloroethane	62	8.624	8.506	(0.948)	960047	10.0000	11	
* 32	1,4-Difluorobenzene	114	9.098	8.971	(1.000)	1889769	5.00000		
33	Trichloroethene	95	9.434	9.307	(0.741)	1770109	10.0000	9.7	
$ 34	1,2-Dichloropropane-d6	67	9.612	9.485	(0.755)	2004557	10.0000	10	
35	Methylcyclohexane	55	9.662	9.534	(0.759)	2536863	10.0000	9.9	
36	1,2-Dichloropropane	63	9.731	9.594	(0.765)	1564740	10.0000	10	(H)
37	Bromodichloromethane	83	10.077	9.940	(0.792)	1843276	10.0000	10	
38	cis-1,3-Dichloropropene	75	10.631	10.493	(0.835)	1621143	10.0000	10	
39	4-Methyl-2-pentanone	43	10.829	10.691	(0.851)	4010033	100.000	100	
$ 40	Toluene-d8	98	10.957	10.820	(0.861)	4055109	10.0000	10	
41	Toluene	91	11.036	10.909	(0.867)	4308836	10.0000	10	
$ 42	trans-1,3-Dichloropropene-d4	79	11.274	11.146	(0.886)	1000844	10.0000	10	
43	trans-1,3-Dichloropropene	75	11.313	11.186	(0.889)	1045436	10.0000	10	
44	1,1,2-Trichloroethane	97	11.541	11.423	(0.907)	561385	10.0000	10	
45	Tetrachloroethene	164	11.709	11.591	(0.920)	1435354	10.0000	9.9	
$ 46	2-Hexanone-d5	63	11.778	11.660	(0.925)	1399938	100.000	110	
47	2-Hexanone	43	11.837	11.729	(0.930)	2738901	100.000	100	
48	Dibromochloromethane	129	12.035	11.917	(0.946)	955189	10.0000	10	
49	1,2-Dibromoethane	107	12.183	12.076	(0.957)	783150	10.0000	10	
* 50	Chlorobenzene-d5	117	12.727	12.639	(1.000)	1415037	5.00000		
51	Chlorobenzene	112	12.767	12.669	(1.003)	2885715	10.0000	10	
52	Ethylbenzene	91	12.885	12.797	(1.012)	5644019	10.0000	10	
53	m,p-Xylene	106	13.024	12.936	(1.023)	2130570	10.0000	10	
54	Styrene	104	13.528	13.460	(1.063)	2894040	10.0000	10	
55	o-Xylene	106	13.508	13.440	(1.061)	1864549	10.0000	10	
56	Bromoform	173	13.785	13.717	(0.890)	521535	10.0000	11	
57	Isopropylbenzene	105	13.953	13.885	(1.096)	6397211	10.0000	10	
$ 58	1,1,2,2-Tetrachloroethane-d2	84	14.290	14.241	(1.123)	697699	10.0000	10	
59	1,1,2,2-Tetrachloroethane	83	14.319	14.271	(1.125)	704776	10.0000	10	
60	1,3-Dichlorobenzene	146	15.437	15.408	(0.996)	1979903	10.0000	10	
* 61	1,4-Dichlorobenzene-d4	152	15.496	15.467	(1.000)	653754	5.00000		(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	15.526	15.497	(1.002)	2062323	10.0000	10
$ 63 1,2-Dichlorobenzene-d4	152	15.891	15.873	(1.026)	1008778	10.0000	10
64 1,2-Dichlorobenzene	146	15.911	15.892	(1.027)	1455551	10.0000	10
65 1,2-Dibromo-3-chloropropane	75	16.653	16.644	(1.075)	104565	10.0000	8.9
66 1,2,4-Trichlorobenzene	180	17.434	17.435	(1.125)	1191513	10.0000	10
67 1,2,3-Trichlorobenzene	180	17.938	17.949	(1.158)	843738	10.0000	10

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: /chem/M.i/Msvr.p/maosmtr.b/mao20v.d

Page 4

Date : 18-JAN-2010 13:40

Client ID: VSTD020MO

Instrument: M.i

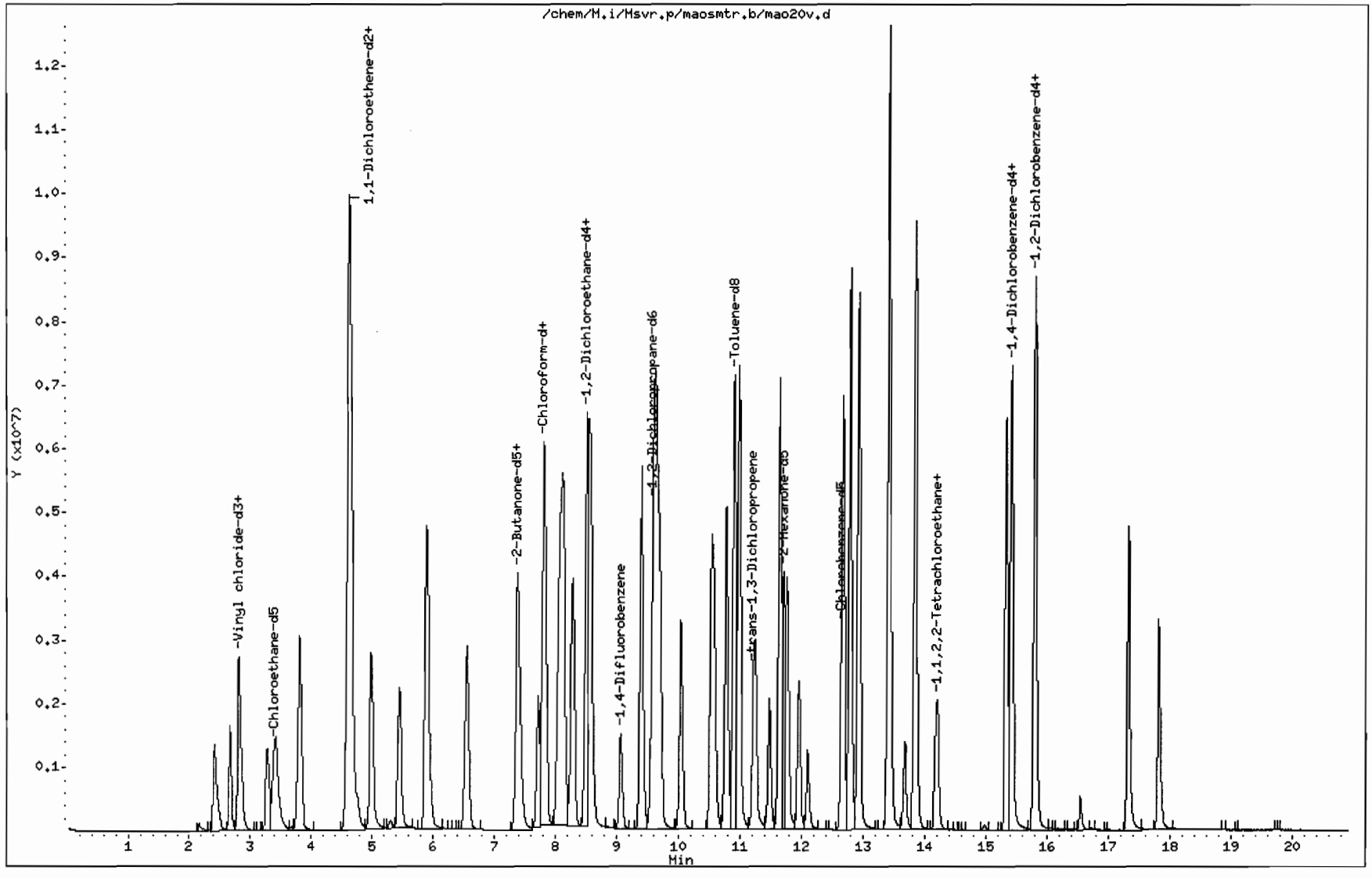
Sample Info:

Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maosmtr.b/mao20v.d
Lab Smp Id: VSTD020MO Client Smp ID: VSTD020MO
Inj Date : 18-JAN-2010 13:40
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VSTD020MO,,1,5
Comment :
Method : /chem/M.i/Msvr.p/maosmtr.b/somtr4.m
Meth Date : 20-Jan-2010 10:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	2.405	2.345	(0.265)	3264142	20.0000	18
	2 Chloromethane	50	2.662	2.593	(0.294)	2931364	20.0000	18
$	3 Vinyl chloride-d3	65	2.801	2.731	(0.309)	3573648	20.0000	18
	4 Vinyl chloride	62	2.810	2.741	(0.310)	3249047	20.0000	18
	5 Bromomethane	94	3.275	3.196	(0.362)	2072175	20.0000	21(A)
$	6 Chloroethane-d5	69	3.384	3.295	(0.374)	2879520	20.0000	19
	7 Chloroethane	64	3.424	3.334	(0.378)	2091137	20.0000	18
	8 Trichlorofluoromethane	101	3.799	3.700	(0.419)	5558109	20.0000	18
$	9 1,1-Dichloroethene-d2	63	4.610	4.491	(0.509)	8112059	20.0000	19
	10 1,1-Dichloroethene	96	4.630	4.511	(0.511)	2801238	20.0000	19
	11 1,1,2-Trichloro-1,2,2-trifluo	101	4.630	4.511	(0.511)	5716926	20.0000	19
	12 Acetone	43	4.758	4.640	(0.525)	1063573	200.000	200(A)
	13 Carbon disulfide	76	4.976	4.857	(0.549)	8748916	20.0000	19
	14 Methyl acetate	43	5.302	5.183	(0.585)	406993	20.0000	18

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	15	Methylene chloride	84	5.441	5.322	(0.601)	1836573	20.0000	19
	16	trans-1,2-Dichloroethene	96	5.886	5.757	(0.650)	3117125	20.0000	20
	17	Methyl tert-butyl ether	73	5.915	5.777	(0.653)	2451766	20.0000	20
	18	1,1-Dichloroethane	63	6.538	6.400	(0.722)	6777229	20.0000	19
$	19	2-Butanone-d5	46	7.349	7.240	(0.811)	2696512	200.000	190
	20	cis-1,2-Dichloroethene	96	7.379	7.270	(0.814)	2609258	20.0000	19
	21	2-Butanone	43	7.428	7.329	(0.820)	2524339	200.000	190
	22	Bromochloromethane	128	7.705	7.606	(0.850)	852608	20.0000	19
$	23	Chloroform-d	84	7.794	7.695	(0.860)	5382648	20.0000	19
	24	Chloroform	83	7.824	7.725	(0.864)	5120261	20.0000	19
	25	1,1,1-Trichloroethane	97	8.061	7.952	(0.638)	5398304	20.0000	19
	26	Cyclohexane	56	8.120	8.021	(0.642)	5997230	20.0000	19
	27	Carbon tetrachloride	117	8.279	8.180	(0.655)	4782150	20.0000	19
$	28	1,2-Dichloroethane-d4	65	8.496	8.397	(0.938)	1647560	20.0000	18 (Q)
$	29	Benzene-d6	84	8.506	8.417	(0.673)	8265980	20.0000	20
	30	Benzene	78	8.556	8.466	(0.677)	8084360	20.0000	20
	31	1,2-Dichloroethane	62	8.595	8.506	(0.949)	1977226	20.0000	20
*	32	1,4-Difluorobenzene	114	9.060	8.971	(1.000)	2107906	5.00000	
	33	Trichloroethene	95	9.396	9.307	(0.743)	3862593	20.0000	20
$	34	1,2-Dichloropropane-d6	67	9.574	9.485	(0.757)	4224775	20.0000	20 (A)
	35	Methylcyclohexane	55	9.623	9.534	(0.761)	5290878	20.0000	19
	36	1,2-Dichloropropane	63	9.693	9.594	(0.767)	3366763	20.0000	21 (AH)
	37	Bromodichloromethane	83	10.029	9.940	(0.793)	3978398	20.0000	21 (A)
	38	cis-1,3-Dichloropropene	75	10.573	10.493	(0.836)	3441444	20.0000	21 (A)
	39	4-Methyl-2-pentanone	43	10.761	10.691	(0.851)	8232298	200.000	200 (A)
$	40	Toluene-d8	98	10.899	10.820	(0.862)	8581890	20.0000	20
	41	Toluene	91	10.978	10.909	(0.869)	8984852	20.0000	20
$	42	trans-1,3-Dichloropropene-d4	79	11.206	11.146	(0.887)	2147252	20.0000	21 (A)
	43	trans-1,3-Dichloropropene	75	11.245	11.186	(0.890)	2221743	20.0000	20 (A)
	44	1,1,2-Trichloroethane	97	11.473	11.423	(0.908)	1212575	20.0000	21 (A)
	45	Tetrachloroethene	164	11.641	11.591	(0.921)	3175341	20.0000	21 (A)
$	46	2-Hexanone-d5	63	11.700	11.660	(0.926)	2876848	200.000	210 (A)
	47	2-Hexanone	43	11.759	11.729	(0.930)	5598189	200.000	200 (A)
	48	Dibromochloromethane	129	11.947	11.917	(0.945)	2098573	20.0000	21 (A)
	49	1,2-Dibromoethane	107	12.096	12.076	(0.957)	1692536	20.0000	21 (A)
*	50	Chlorobenzene-d5	117	12.639	12.639	(1.000)	1501008	5.00000	
	51	Chlorobenzene	112	12.669	12.669	(1.002)	6075254	20.0000	20
	52	Ethylbenzene	91	12.788	12.797	(1.012)	11900431	20.0000	20
	53	m,p-Xylene	106	12.926	12.936	(1.023)	4528824	20.0000	20 (A)
	54	Styrene	104	13.421	13.460	(1.062)	6037502	20.0000	20 (A)
	55	o-Xylene	106	13.411	13.440	(1.061)	3883899	20.0000	20
	56	Bromoform	173	13.668	13.717	(0.888)	1165373	20.0000	22 (A)
	57	Isopropylbenzene	105	13.846	13.885	(1.095)	13316578	20.0000	20
$	58	1,1,2,2-Tetrachloroethane-d2	84	14.172	14.241	(1.121)	1502788	20.0000	20 (A)
	59	1,1,2,2-Tetrachloroethane	83	14.202	14.271	(1.124)	1470305	20.0000	20
	60	1,3-Dichlorobenzene	146	15.329	15.408	(0.996)	4274177	20.0000	20 (A)
*	61	1,4-Dichlorobenzene-d4	152	15.398	15.467	(1.000)	718566	5.00000	(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	15.418	15.497	(1.001)	4426238	20.0000	20
$ 63 1,2-Dichlorobenzene-d4	152	15.794	15.873	(1.026)	2177923	20.0000	20
64 1,2-Dichlorobenzene	146	15.813	15.892	(1.027)	3176808	20.0000	20(A)
65 1,2-Dibromo-3-chloropropane	75	16.545	16.644	(1.074)	230868	20.0000	18
66 1,2,4-Trichlorobenzene	180	17.317	17.435	(1.125)	2533894	20.0000	20(A)
67 1,2,3-Trichlorobenzene	180	17.811	17.949	(1.157)	1830250	20.0000	20(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date: 01/19/2010 Time: 0934

Lab File ID: MA005AV Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005MD Init. Calib. Time(s): 1134 1340

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.433	0.425	0.010	-1.9	40.0
Chloromethane	0.393	0.378	0.010	-4.0	40.0
Vinyl chloride	0.419	0.410	0.100	-2.3	30.0
Bromomethane	0.235	0.233	0.100	-1.0	30.0
Chloroethane	0.271	0.267	0.010	-1.5	40.0
Trichlorofluoromethane	0.723	0.713	0.010	-1.4	40.0
1,1-Dichloroethene	0.342	0.350	0.100	2.3	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.716	0.743	0.010	3.8	40.0
Acetone	0.013	0.014	0.010	8.3	40.0
Carbon disulfide	1.104	1.095	0.010	-0.8	40.0
Methyl acetate	0.055	0.056	0.010	1.8	40.0
Methylene chloride	0.235	0.232	0.010	-1.2	40.0
trans-1,2-Dichloroethene	0.377	0.379	0.010	0.5	40.0
Methyl tert-butyl ether	0.296	0.301	0.010	1.5	40.0
1,1-Dichloroethane	0.840	0.826	0.200	-1.7	30.0
cis-1,2-Dichloroethene	0.325	0.327	0.010	0.7	40.0
2-Butanone	0.031	0.031	0.010	-0.1	40.0
Bromochloromethane	0.104	0.105	0.050	0.3	30.0
Chloroform	0.641	0.640	0.200	-0.2	30.0
1,1,1-Trichloroethane	0.929	0.898	0.100	-3.4	30.0
Cyclohexane	1.053	0.993	0.010	-5.7	40.0
Carbon tetrachloride	0.819	0.792	0.100	-3.3	30.0
Benzene	1.364	1.319	0.400	-3.3	30.0
1,2-Dichloroethane	0.238	0.248	0.100	4.3	30.0
Trichloroethene	0.645	0.622	0.300	-3.6	30.0
Methylcyclohexane	0.906	0.873	0.010	-3.6	40.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date: 01/19/2010 Time: 0934

Lab File ID: MA005AV Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005MD Init. Calib. Time(s): 1134 1340

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.544	0.549	0.010	0.9	40.0
Bromodichloromethane	0.645	0.654	0.200	1.4	30.0
cis-1,3-Dichloropropene	0.555	0.572	0.200	3.0	30.0
4-Methyl-2-pentanone	0.136	0.140	0.010	3.2	40.0
Toluene	1.507	1.475	0.400	-2.1	30.0
trans-1,3-Dichloropropene	0.362	0.371	0.100	2.7	30.0
1,1,2-Trichloroethane	0.194	0.196	0.100	0.8	30.0
Tetrachloroethene	0.514	0.493	0.100	-4.2	30.0
2-Hexanone	0.092	0.092	0.010	-0.0	40.0
Dibromochloromethane	0.328	0.340	0.100	3.5	30.0
1,2-Dibromoethane	0.270	0.272	0.010	0.7	30.0
Chlorobenzene	1.016	1.010	0.500	-0.6	30.0
Ethylbenzene	1.997	1.945	0.100	-2.6	30.0
o-Xylene	0.651	0.645	0.300	-1.0	30.0
m,p-Xylene	0.744	0.731	0.300	-1.8	30.0
Styrene	0.987	0.985	0.300	-0.2	30.0
Bromoform	0.376	0.385	0.050	2.3	30.0
Isopropylbenzene	2.257	2.183	0.010	-3.3	40.0
1,1,2,2-Tetrachloroethane	0.246	0.247	0.100	0.2	30.0
1,3-Dichlorobenzene	1.480	1.449	0.400	-2.1	30.0
1,4-Dichlorobenzene	1.553	1.509	0.400	-2.8	30.0
1,2-Dichlorobenzene	1.102	1.086	0.400	-1.5	30.0
1,2-Dibromo-3-chloropropane	0.090	0.090	0.010	0.7	40.0
1,2,4-Trichlorobenzene	0.873	0.858	0.200	-1.7	30.0
1,2,3-Trichlorobenzene	0.633	0.621	0.200	-1.8	30.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date: 01/19/2010 Time: 0934

Lab File ID: MAO05AV Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005MD Init. Calib. Time(s): 1134 1340

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.467	0.456	0.010	-2.3	30.0
Chloroethane-d5	0.367	0.356	0.010	-2.9	40.0
1,1-Dichloroethene-d2	1.014	1.042	0.010	2.8	30.0
2-Butanone-d5	0.033	0.033	0.010	1.5	40.0
Chloroform-d	0.675	0.677	0.010	0.3	30.0
1,2-Dichloroethane-d4	0.214	0.205	0.010	-4.2	30.0
Benzene-d6	1.387	1.345	0.400	-3.0	30.0
1,2-Dichloropropane-d6	0.703	0.700	0.010	-0.5	40.0
Toluene-d8	1.439	1.413	0.010	-1.8	30.0
trans-1,3-Dichloropropene-d4	0.346	0.349	0.010	1.0	30.0
2-Hexanone-d5	0.047	0.048	0.010	2.3	40.0
1,1,2,2-Tetrachloroethane-d2	0.246	0.249	0.010	1.1	30.0
1,2-Dichlorobenzene-d4	0.767	0.742	0.010	-3.3	30.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/M.i/Msvr.p/maoasmtr.b/mao05av.d

Page 4

Date : 19-JAN-2010 09:34

Client ID: VSTD005MD

Instrument: M.i

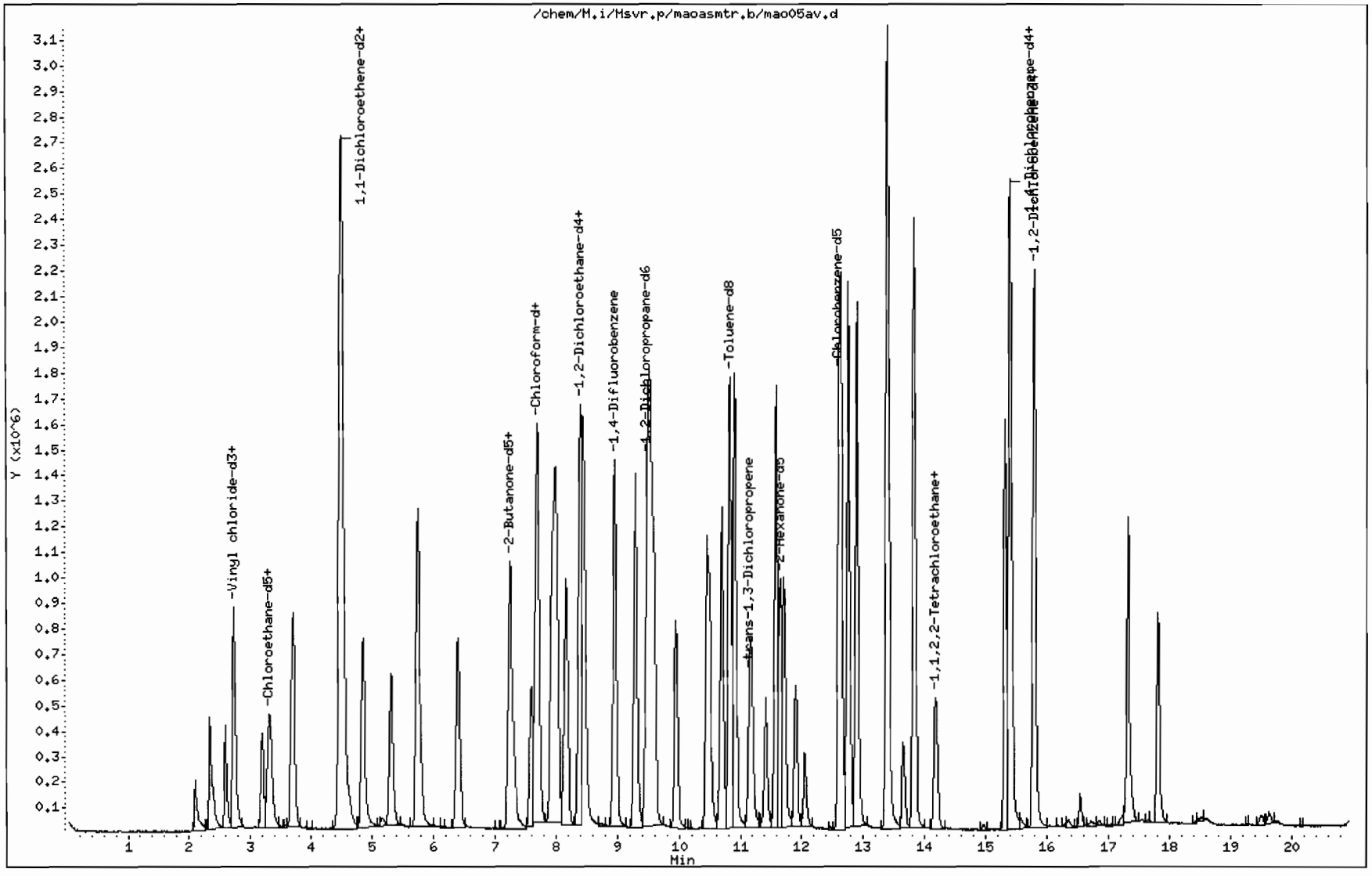
Sample Info:

Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/mao05av.d
Lab Smp Id: VSTD005MD Client Smp ID: VSTD005MD
Inj Date : 19-JAN-2010 09:34
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VSTD005MD,,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 25-Jan-2010 09:54 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 4 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	2.335	2.335	(0.261)	885623	5.00000	4.9
	2 Chloromethane	50	2.592	2.592	(0.289)	787615	5.00000	4.8
$	3 Vinyl chloride-d3	65	2.720	2.720	(0.304)	951198	5.00000	4.9
	4 Vinyl chloride	62	2.730	2.730	(0.305)	854090	5.00000	4.9
	5 Bromomethane	94	3.185	3.185	(0.355)	484916	5.00000	4.9
$	6 Chloroethane-d5	69	3.294	3.294	(0.368)	741716	5.00000	4.9
	7 Chloroethane	64	3.333	3.333	(0.372)	556317	5.00000	4.9
	8 Trichlorofluoromethane	101	3.699	3.699	(0.413)	1485784	5.00000	4.9
$	9 1,1-Dichloroethene-d2	63	4.480	4.480	(0.500)	2172944	5.00000	5.1
	10 1,1-Dichloroethene	96	4.510	4.510	(0.503)	728627	5.00000	5.1
	11 1,1,2-Trichloro-1,2,2-trifluo	101	4.500	4.500	(0.502)	1548205	5.00000	5.2
	12 Acetone	43	4.629	4.629	(0.517)	284638	50.0000	54
	13 Carbon disulfide	76	4.856	4.856	(0.542)	2283207	5.00000	5.0
	14 Methyl acetate	43	5.173	5.173	(0.577)	116711	5.00000	5.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	5.311	5.311	(0.593)	484510	5.00000	4.9
	16 trans-1,2-Dichloroethene	96	5.746	5.746	(0.641)	790431	5.00000	5.0
	17 Methyl tert-butyl ether	73	5.766	5.766	(0.644)	626853	5.00000	5.1
	18 1,1-Dichloroethane	63	6.399	6.399	(0.714)	1722171	5.00000	4.9
$	19 2-Butanone-d5	46	7.229	7.229	(0.807)	695552	50.0000	51
	20 cis-1,2-Dichloroethene	96	7.259	7.259	(0.810)	681995	5.00000	5.0
	21 2-Butanone	43	7.308	7.308	(0.816)	652891	50.0000	50
	22 Bromochloromethane	128	7.595	7.595	(0.848)	217929	5.00000	5.0
$	23 Chloroform-d	84	7.684	7.684	(0.858)	1411880	5.00000	5.0
	24 Chloroform	83	7.714	7.714	(0.861)	1333593	5.00000	5.0
	25 1,1,1-Trichloroethane	97	7.941	7.941	(0.630)	1371624	5.00000	4.8
	26 Cyclohexane	56	8.001	8.001	(0.635)	1517338	5.00000	4.7
	27 Carbon tetrachloride	117	8.169	8.169	(0.648)	1209656	5.00000	4.8
$	28 1,2-Dichloroethane-d4	65	8.386	8.386	(0.936)	428333	5.00000	4.8
$	29 Benzene-d6	84	8.396	8.396	(0.666)	2053511	5.00000	4.8
	30 Benzene	78	8.456	8.456	(0.671)	2014386	5.00000	4.8
	31 1,2-Dichloroethane	62	8.485	8.485	(0.947)	517427	5.00000	5.2
*	32 1,4-Difluorobenzene	114	8.960	8.960	(1.000)	2084593	5.00000	
	33 Trichloroethene	95	9.296	9.296	(0.738)	949608	5.00000	4.8
$	34 1,2-Dichloropropane-d6	67	9.484	9.484	(0.753)	1068424	5.00000	5.0
	35 Methylcyclohexane	55	9.523	9.523	(0.756)	1333117	5.00000	4.8
	36 1,2-Dichloropropane	63	9.593	9.593	(0.761)	838570	5.00000	5.0
	37 Bromodichloromethane	83	9.949	9.949	(0.790)	998224	5.00000	5.1
	38 cis-1,3-Dichloropropene	75	10.502	10.502	(0.834)	873702	5.00000	5.1
	39 4-Methyl-2-pentanone	43	10.690	10.690	(0.849)	2145738	50.0000	52
$	40 Toluene-d8	98	10.829	10.829	(0.860)	2157921	5.00000	4.9
	41 Toluene	91	10.908	10.908	(0.866)	2252649	5.00000	4.9
$	42 trans-1,3-Dichloropropene-d4	79	11.145	11.145	(0.885)	533607	5.00000	5.1
	43 trans-1,3-Dichloropropene	75	11.185	11.185	(0.888)	566954	5.00000	5.1
	44 1,1,2-Trichloroethane	97	11.412	11.412	(0.906)	298914	5.00000	5.0
	45 Tetrachloroethene	164	11.580	11.580	(0.919)	752615	5.00000	4.8
$	46 2-Hexanone-d5	63	11.649	11.649	(0.925)	729217	50.0000	51
	47 2-Hexanone	43	11.709	11.709	(0.929)	1408713	50.0000	50
	48 Dibromochloromethane	129	11.907	11.907	(0.945)	519250	5.00000	5.2
	49 1,2-Dibromoethane	107	12.045	12.045	(0.956)	414765	5.00000	5.0
*	50 Chlorobenzene-d5	117	12.599	12.599	(1.000)	1527309	5.00000	
	51 Chlorobenzene	112	12.638	12.638	(1.003)	1542828	5.00000	5.0
	52 Ethylbenzene	91	12.757	12.757	(1.013)	2971227	5.00000	4.9
	53 m,p-Xylene	106	12.895	12.895	(1.024)	1115944	5.00000	4.9
	54 Styrene	104	13.400	13.400	(1.064)	1504428	5.00000	5.0
	55 o-Xylene	106	13.380	13.380	(1.062)	984969	5.00000	5.0
	56 Bromoform	173	13.647	13.647	(0.887)	278554	5.00000	5.1
	57 Isopropylbenzene	105	13.825	13.825	(1.097)	3334342	5.00000	4.8
$	58 1,1,2,2-Tetrachloroethane-d2	84	14.161	14.161	(1.124)	380041	5.00000	5.1
	59 1,1,2,2-Tetrachloroethane	83	14.191	14.191	(1.126)	377024	5.00000	5.0
	60 1,3-Dichlorobenzene	146	15.318	15.318	(0.996)	1048651	5.00000	4.9
*	61 1,4-Dichlorobenzene-d4	152	15.387	15.387	(1.000)	723889	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
62	1,4-Dichlorobenzene	146	15.407	15.407	(1.001)	1092500	5.00000	4.9
$ 63	1,2-Dichlorobenzene-d4	152	15.783	15.783	(1.026)	537303	5.00000	4.8
64	1,2-Dichlorobenzene	146	15.803	15.803	(1.027)	786180	5.00000	4.9
65	1,2-Dibromo-3-chloropropane	75	16.544	16.544	(1.075)	65503	5.00000	5.0
66	1,2,4-Trichlorobenzene	180	17.315	17.315	(1.125)	621307	5.00000	4.9
67	1,2,3-Trichlorobenzene	180	17.810	17.810	(1.157)	449730	5.00000	4.9

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date: 01/19/2010 Time: 1950

Lab File ID: MA005AC1 Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005DM Init. Calib. Time(s): 1134 1340

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.433	0.446	0.010	3.0	50.0
Chloromethane	0.393	0.395	0.010	0.3	50.0
Vinyl chloride	0.419	0.422	0.010	0.6	50.0
Bromomethane	0.235	0.232	0.010	-1.4	50.0
Chloroethane	0.271	0.274	0.010	1.2	50.0
Trichlorofluoromethane	0.723	0.733	0.010	1.4	50.0
1,1-Dichloroethene	0.342	0.360	0.010	5.4	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.716	0.756	0.010	5.6	50.0
Acetone	0.013	0.014	0.010	13.6	50.0
Carbon disulfide	1.104	1.110	0.010	0.6	50.0
Methyl acetate	0.055	0.058	0.010	5.9	50.0
Methylene chloride	0.235	0.241	0.010	2.4	50.0
trans-1,2-Dichloroethene	0.377	0.384	0.010	1.8	50.0
Methyl tert-butyl ether	0.296	0.316	0.010	6.7	50.0
1,1-Dichloroethane	0.840	0.848	0.010	0.9	50.0
cis-1,2-Dichloroethene	0.325	0.336	0.010	3.6	50.0
2-Butanone	0.031	0.032	0.010	3.4	50.0
Bromochloromethane	0.104	0.109	0.010	4.9	50.0
Chloroform	0.641	0.659	0.010	2.9	50.0
1,1,1-Trichloroethane	0.929	0.909	0.010	-2.2	50.0
Cyclohexane	1.053	0.999	0.010	-5.1	50.0
Carbon tetrachloride	0.819	0.783	0.010	-4.3	50.0
Benzene	1.364	1.329	0.010	-2.6	50.0
1,2-Dichloroethane	0.238	0.243	0.010	2.1	50.0
Trichloroethene	0.645	0.618	0.010	-4.2	50.0
Methylcyclohexane	0.906	0.835	0.010	-7.8	50.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date: 01/19/2010 Time: 1950

Lab File ID: MA005AC1 Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005DM Init. Calib. Time(s): 1134 1340

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.544	0.534	0.010	-1.9	50.0
Bromodichloromethane	0.645	0.663	0.010	2.8	50.0
cis-1,3-Dichloropropene	0.555	0.566	0.010	1.9	50.0
4-Methyl-2-pentanone	0.136	0.145	0.010	6.3	50.0
Toluene	1.507	1.493	0.010	-0.9	50.0
trans-1,3-Dichloropropene	0.362	0.362	0.010	0.2	50.0
1,1,2-Trichloroethane	0.194	0.201	0.010	3.7	50.0
Tetrachloroethene	0.514	0.501	0.010	-2.5	50.0
2-Hexanone	0.092	0.097	0.010	5.3	50.0
Dibromochloromethane	0.328	0.344	0.010	4.7	50.0
1,2-Dibromoethane	0.270	0.276	0.010	2.3	50.0
Chlorobenzene	1.016	1.000	0.010	-1.6	50.0
Ethylbenzene	1.997	1.947	0.010	-2.5	50.0
o-Xylene	0.651	0.643	0.010	-1.3	50.0
m,p-Xylene	0.744	0.723	0.010	-2.8	50.0
Styrene	0.987	0.997	0.010	1.0	50.0
Bromoform	0.376	0.383	0.010	1.9	50.0
Isopropylbenzene	2.257	2.189	0.010	-3.0	50.0
1,1,2,2-Tetrachloroethane	0.246	0.252	0.010	2.4	50.0
1,3-Dichlorobenzene	1.480	1.441	0.010	-2.6	50.0
1,4-Dichlorobenzene	1.553	1.517	0.010	-2.4	50.0
1,2-Dichlorobenzene	1.102	1.080	0.010	-2.0	50.0
1,2-Dibromo-3-chloropropane	0.090	0.081	0.010	-10.3	50.0
1,2,4-Trichlorobenzene	0.873	0.835	0.010	-4.4	50.0
1,2,3-Trichlorobenzene	0.633	0.611	0.010	-3.4	50.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date: 01/19/2010 Time: 1950

Lab File ID: MA005AC1 Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005DM Init. Calib. Time(s): 1134 1340

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.467	0.467	0.010	-0.0	50.0
Chloroethane-d5	0.367	0.369	0.010	0.6	50.0
1,1-Dichloroethene-d2	1.014	1.058	0.010	4.3	50.0
2-Butanone-d5	0.033	0.036	0.010	8.3	50.0
Chloroform-d	0.675	0.705	0.010	4.4	50.0
1,2-Dichloroethane-d4	0.214	0.216	0.010	0.6	50.0
Benzene-d6	1.387	1.378	0.010	-0.7	50.0
1,2-Dichloropropane-d6	0.703	0.688	0.010	-2.2	50.0
Toluene-d8	1.439	1.404	0.010	-2.4	50.0
trans-1,3-Dichloropropene-d4	0.346	0.344	0.010	-0.5	50.0
2-Hexanone-d5	0.047	0.048	0.010	3.7	50.0
1,1,2,2-Tetrachloroethane-d2	0.246	0.257	0.010	4.4	50.0
1,2-Dichlorobenzene-d4	0.767	0.751	0.010	-2.1	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/M.i/Msvr.p/maoasmtr.b/mao05ac1.d
Date : 19-JAN-2010 19:50
Client ID: VSTD005DM
Sample Info:
Purge Volume: 25.0
Column phase: DB-624
Instrument: M.i
Operator: MRV
Column diameter: 0.53
Y (x10^6)
Min
/chem/M.i/Msvr.p/maoasmtr.b/mao05ac1.d
-Vinyl chloride-d3+
-Chloroethane-d5+
1,1-Dichloroethene-d2+
-2-Butanone-d5+
-Chloroform-d+
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5+
-1,1,2,2-Tetrachloroethane+
-1,2-Dichlorobenzene-d4+

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/mao05ac1.d
Lab Smp Id: VSTD005DM Client Smp ID: VSTD005DM
Inj Date : 19-JAN-2010 19:50
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VSTD05DM,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 25-Jan-2010 09:55 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 23 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	2.345	2.335	(0.261)	897581	5.00000	5.1
	2 Chloromethane	50	2.593	2.592	(0.289)	794996	5.00000	5.0
$	3 Vinyl chloride-d3	65	2.721	2.720	(0.303)	940007	5.00000	5.0
	4 Vinyl chloride	62	2.741	2.730	(0.306)	849021	5.00000	5.0
	5 Bromomethane	94	3.186	3.185	(0.355)	466438	5.00000	4.9
$	6 Chloroethane-d5	69	3.295	3.294	(0.367)	742324	5.00000	5.0
	7 Chloroethane	64	3.334	3.333	(0.372)	551984	5.00000	5.1
	8 Trichlorofluoromethane	101	3.700	3.699	(0.412)	1475409	5.00000	5.1
$	9 1,1-Dichloroethene-d2	63	4.491	4.480	(0.501)	2130875	5.00000	5.2
	10 1,1-Dichloroethene	96	4.511	4.510	(0.503)	725052	5.00000	5.3
	11 1,1,2-Trichloro-1,2,2-trifluo	101	4.511	4.500	(0.503)	1521664	5.00000	5.3
	12 Acetone	43	4.639	4.629	(0.517)	288160	50.0000	57
	13 Carbon disulfide	76	4.857	4.856	(0.541)	2234732	5.00000	5.0
	14 Methyl acetate	43	5.183	5.173	(0.578)	117360	5.00000	5.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	5.322	5.311	(0.593)	484839	5.00000	5.1
	16 trans-1,2-Dichloroethene	96	5.757	5.746	(0.642)	773189	5.00000	5.1
	17 Methyl tert-butyl ether	73	5.777	5.766	(0.644)	636489	5.00000	5.3
	18 1,1-Dichloroethane	63	6.409	6.399	(0.714)	1707564	5.00000	5.0
$	19 2-Butanone-d5	46	7.240	7.229	(0.807)	716767	50.0000	54
	20 cis-1,2-Dichloroethene	96	7.260	7.259	(0.809)	677399	5.00000	5.2
	21 2-Butanone	43	7.319	7.308	(0.816)	652584	50.0000	52
	22 Bromochloromethane	128	7.606	7.595	(0.848)	220147	5.00000	5.2
$	23 Chloroform-d	84	7.695	7.684	(0.858)	1419201	5.00000	5.2
	24 Chloroform	83	7.725	7.714	(0.861)	1327361	5.00000	5.1
	25 1,1,1-Trichloroethane	97	7.962	7.941	(0.631)	1374985	5.00000	4.9
	26 Cyclohexane	56	8.021	8.001	(0.636)	1511645	5.00000	4.7
	27 Carbon tetrachloride	117	8.179	8.169	(0.649)	1185424	5.00000	4.8
$	28 1,2-Dichloroethane-d4	65	8.397	8.386	(0.936)	434397	5.00000	5.0
$	29 Benzene-d6	84	8.407	8.396	(0.667)	2084824	5.00000	5.0
	30 Benzene	78	8.466	8.456	(0.671)	2011382	5.00000	4.9
	31 1,2-Dichloroethane	62	8.496	8.485	(0.947)	489300	5.00000	5.1
*	32 1,4-Difluorobenzene	114	8.970	8.960	(1.000)	2013338	5.00000	
	33 Trichloroethene	95	9.307	9.296	(0.738)	934730	5.00000	4.8
$	34 1,2-Dichloropropane-d6	67	9.485	9.484	(0.752)	1040833	5.00000	4.9
	35 Methylcyclohexane	55	9.534	9.523	(0.756)	1263795	5.00000	4.6
	36 1,2-Dichloropropane	63	9.603	9.593	(0.762)	808123	5.00000	4.9
	37 Bromodichloromethane	83	9.949	9.949	(0.789)	1002488	5.00000	5.1
	38 cis-1,3-Dichloropropene	75	10.513	10.502	(0.834)	856397	5.00000	5.1
	39 4-Methyl-2-pentanone	43	10.701	10.690	(0.849)	2189431	50.0000	53
$	40 Toluene-d8	98	10.839	10.829	(0.860)	2124529	5.00000	4.9
	41 Toluene	91	10.918	10.908	(0.866)	2258760	5.00000	5.0
$	42 trans-1,3-Dichloropropene-d4	79	11.156	11.145	(0.885)	520631	5.00000	5.0
	43 trans-1,3-Dichloropropene	75	11.195	11.185	(0.888)	547902	5.00000	5.0
	44 1,1,2-Trichloroethane	97	11.423	11.412	(0.906)	304619	5.00000	5.2
	45 Tetrachloroethene	164	11.591	11.580	(0.919)	758476	5.00000	4.9
$	46 2-Hexanone-d5	63	11.660	11.649	(0.925)	732473	50.0000	52
	47 2-Hexanone	43	11.719	11.709	(0.929)	1469778	50.0000	53
	48 Dibromochloromethane	129	11.907	11.907	(0.944)	520342	5.00000	5.2
	49 1,2-Dibromoethane	107	12.056	12.045	(0.956)	417320	5.00000	5.1
*	50 Chlorobenzene-d5	117	12.609	12.599	(1.000)	1513185	5.00000	
	51 Chlorobenzene	112	12.639	12.638	(1.002)	1512941	5.00000	4.9
	52 Ethylbenzene	91	12.758	12.757	(1.012)	2945954	5.00000	4.9
	53 m,p-Xylene	106	12.896	12.895	(1.023)	1094319	5.00000	4.9
	54 Styrene	104	13.400	13.400	(1.063)	1507907	5.00000	5.0
	55 o-Xylene	106	13.391	13.380	(1.062)	972343	5.00000	4.9
	56 Bromoform	173	13.658	13.647	(0.888)	282151	5.00000	5.1
	57 Isopropylbenzene	105	13.826	13.825	(1.096)	3312583	5.00000	4.9
$	58 1,1,2,2-Tetrachloroethane-d2	84	14.162	14.161	(1.123)	388769	5.00000	5.2
	59 1,1,2,2-Tetrachloroethane	83	14.191	14.191	(1.125)	381702	5.00000	5.1
	60 1,3-Dichlorobenzene	146	15.319	15.318	(0.996)	1060725	5.00000	4.9
*	61 1,4-Dichlorobenzene-d4	152	15.388	15.387	(1.000)	736181	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62	1,4-Dichlorobenzene	146	15.408	15.407	(1.001)	1116474	5.00000	4.9
$ 63	1,2-Dichlorobenzene-d4	152	15.784	15.783	(1.026)	553216	5.00000	4.9
64	1,2-Dichlorobenzene	146	15.803	15.803	(1.027)	794802	5.00000	4.9
65	1,2-Dibromo-3-chloropropane	75	16.535	16.544	(1.075)	59371	5.00000	4.5
66	1,2,4-Trichlorobenzene	180	17.316	17.315	(1.125)	614487	5.00000	4.8
67	1,2,3-Trichlorobenzene	180	17.811	17.810	(1.157)	449985	5.00000	4.8

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date: 01/21/2010 Time: 1839

Lab File ID: MA0005BV Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005MH Init. Calib. Time(s): 1134 1340

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.433	0.393	0.010	-9.1	40.0
Chloromethane	0.393	0.327	0.010	-16.8	40.0
Vinyl chloride	0.419	0.394	0.100	-5.9	30.0
Bromomethane	0.235	0.282	0.100	19.8	30.0
Chloroethane	0.271	0.257	0.010	-5.3	40.0
Trichlorofluoromethane	0.723	0.651	0.010	-10.0	40.0
1,1-Dichloroethene	0.342	0.356	0.100	4.2	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.716	0.733	0.010	2.4	40.0
Acetone	0.013	0.012	0.010	-8.7	40.0
Carbon disulfide	1.104	1.097	0.010	-0.7	40.0
Methyl acetate	0.055	0.050	0.010	-10.0	40.0
Methylene chloride	0.235	0.228	0.010	-3.1	40.0
trans-1,2-Dichloroethene	0.377	0.378	0.010	0.2	40.0
Methyl tert-butyl ether	0.296	0.294	0.010	-0.9	40.0
1,1-Dichloroethane	0.840	0.806	0.200	-4.1	30.0
cis-1,2-Dichloroethene	0.325	0.325	0.010	0.1	40.0
2-Butanone	0.031	0.028	0.010	-11.9	40.0
Bromochloromethane	0.104	0.110	0.050	5.4	30.0
Chloroform	0.641	0.623	0.200	-2.8	30.0
1,1,1-Trichloroethane	0.929	0.887	0.100	-4.5	30.0
Cyclohexane	1.053	0.962	0.010	-8.6	40.0
Carbon tetrachloride	0.819	0.805	0.100	-1.6	30.0
Benzene	1.364	1.320	0.400	-3.3	30.0
1,2-Dichloroethane	0.238	0.227	0.100	-4.6	30.0
Trichloroethene	0.645	0.618	0.300	-4.2	30.0
Methylcyclohexane	0.906	0.791	0.010	-12.6	40.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date: 01/21/2010 Time: 1839

Lab File ID: MAO005BV Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005MH Init. Calib. Time(s): 1134 1340

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.544	0.513	0.010	-5.7	40.0
Bromodichloromethane	0.645	0.608	0.200	-5.7	30.0
cis-1,3-Dichloropropene	0.555	0.554	0.200	-0.3	30.0
4-Methyl-2-pentanone	0.136	0.123	0.010	-10.0	40.0
Toluene	1.507	1.435	0.400	-4.7	30.0
trans-1,3-Dichloropropene	0.362	0.349	0.100	-3.5	30.0
1,1,2-Trichloroethane	0.194	0.190	0.100	-1.9	30.0
Tetrachloroethene	0.514	0.513	0.100	-0.2	30.0
2-Hexanone	0.092	0.083	0.010	-9.9	40.0
Dibromochloromethane	0.328	0.336	0.100	2.4	30.0
1,2-Dibromoethane	0.270	0.270	0.010	0.0	30.0
Chlorobenzene	1.016	1.017	0.500	0.1	30.0
Ethylbenzene	1.997	1.891	0.100	-5.3	30.0
o-Xylene	0.651	0.644	0.300	-1.1	30.0
m,p-Xylene	0.744	0.731	0.300	-1.7	30.0
Styrene	0.987	0.989	0.300	0.2	30.0
Bromoform	0.376	0.399	0.050	5.9	30.0
Isopropylbenzene	2.257	2.183	0.010	-3.3	40.0
1,1,2,2-Tetrachloroethane	0.246	0.231	0.100	-6.3	30.0
1,3-Dichlorobenzene	1.480	1.501	0.400	1.4	30.0
1,4-Dichlorobenzene	1.553	1.595	0.400	2.7	30.0
1,2-Dichlorobenzene	1.102	1.120	0.400	1.6	30.0
1,2-Dibromo-3-chloropropane	0.090	0.078	0.010	-13.3	40.0
1,2,4-Trichlorobenzene	0.873	0.916	0.200	4.9	30.0
1,2,3-Trichlorobenzene	0.633	0.653	0.200	3.3	30.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date: 01/21/2010 Time: 1839

Lab File ID: MAO005BV Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005MH Init. Calib. Time(s): 1134 1340

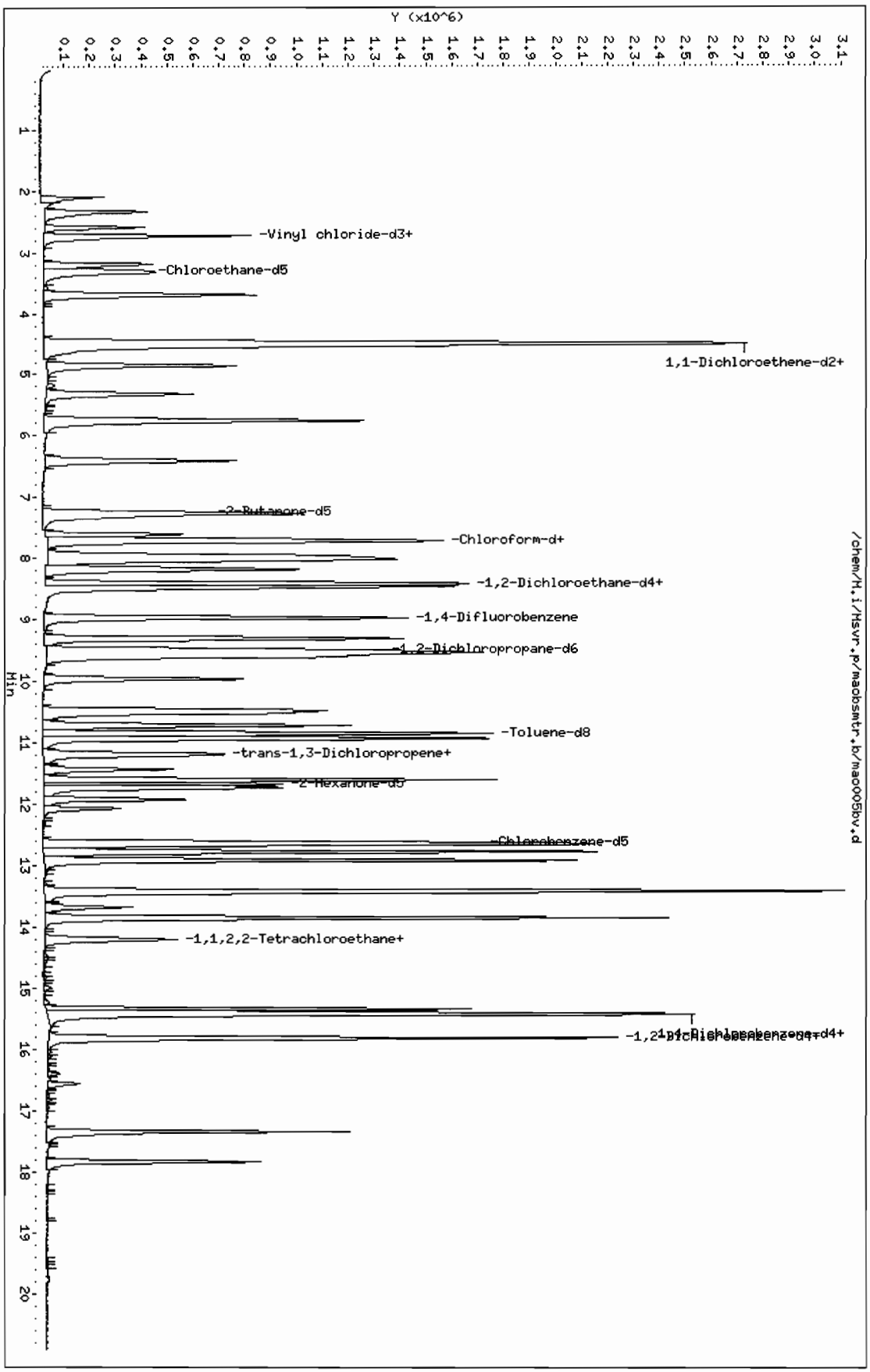
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.467	0.445	0.010	-4.7	30.0
Chloroethane-d5	0.367	0.360	0.010	-1.8	40.0
1,1-Dichloroethene-d2	1.014	1.001	0.010	-1.3	30.0
2-Butanone-d5	0.033	0.030	0.010	-9.9	40.0
Chloroform-d	0.675	0.642	0.010	-4.9	30.0
1,2-Dichloroethane-d4	0.214	0.197	0.010	-8.3	30.0
Benzene-d6	1.387	1.356	0.400	-2.2	30.0
1,2-Dichloropropane-d6	0.703	0.668	0.010	-5.0	40.0
Toluene-d8	1.439	1.381	0.010	-4.0	30.0
trans-1,3-Dichloropropene-d4	0.346	0.332	0.010	-3.8	30.0
2-Hexanone-d5	0.047	0.047	0.010	0.1	40.0
1,1,2,2-Tetrachloroethane-d2	0.246	0.242	0.010	-1.8	30.0
1,2-Dichlorobenzene-d4	0.767	0.770	0.010	0.3	30.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2


Data File: /chem/H.i/Hsvr.p/maobsmtr.b/mao005bv.d
Date : 21-JAN-2010 18:39
Client ID: VSTD005HH
Sample Info:
Purge Volume: 25.0
Column phase: DB-624
Instrument: H.i
Operator: JP1
Column diameter: 0.53
Y (x10^6)
Min
-Vinyl chloride-d3+
-Chloroethane-d5
1,1-Dichloroethene-d2+
-2-Butanone-d5
-Chloroform-d+
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-Toluene-d8
-trans-1,3-Dichloropropene+
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane+
/chem/H.i/Hsvr.p/maobsmtr.b/mao005bv.d

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maobsmtr.b/mao005bv.d
Lab Smp Id: VSTD005MH Client Smp ID: VSTD005MH
Inj Date : 21-JAN-2010 18:39
Operator : JP1 Inst ID: M.i
Smp Info :
Misc Info : VSTD005MH,012110MH,1,5
Comment :
Method : /chem/M.i/Msvr.p/maobsmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:10 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 3 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	2.336	2.336	(0.261)	853372	5.00000	4.5
	2 Chloromethane	50	2.593	2.593	(0.289)	710473	5.00000	4.2
$	3 Vinyl chloride-d3	65	2.721	2.721	(0.304)	965635	5.00000	4.8
	4 Vinyl chloride	62	2.731	2.731	(0.305)	855561	5.00000	4.7
	5 Bromomethane	94	3.186	3.186	(0.356)	610751	5.00000	6.0
$	6 Chloroethane-d5	69	3.295	3.295	(0.368)	780683	5.00000	4.9
	7 Chloroethane	64	3.334	3.334	(0.372)	556638	5.00000	4.7
	8 Trichlorofluoromethane	101	3.690	3.690	(0.412)	1411729	5.00000	4.5
$	9 1,1-Dichloroethene-d2	63	4.491	4.491	(0.501)	2172576	5.00000	4.9
	10 1,1-Dichloroethene	96	4.501	4.501	(0.502)	772498	5.00000	5.2
	11 1,1,2-Trichloro-1,2,2-trifluo	101	4.511	4.511	(0.503)	1589638	5.00000	5.1
	12 Acetone	43	4.630	4.630	(0.517)	249523	50.0000	46
	13 Carbon disulfide	76	4.857	4.857	(0.542)	2378866	5.00000	5.0
	14 Methyl acetate	43	5.173	5.173	(0.577)	107430	5.00000	4.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	5.322	5.322	(0.594)	494646	5.00000	4.8
	16 trans-1,2-Dichloroethene	96	5.747	5.747	(0.641)	819799	5.00000	5.0
	17 Methyl tert-butyl ether	73	5.767	5.767	(0.644)	637269	5.00000	5.0
	18 1,1-Dichloroethane	63	6.400	6.400	(0.714)	1747846	5.00000	4.8
$	19 2-Butanone-d5	46	7.230	7.230	(0.807)	642942	50.0000	45
	20 cis-1,2-Dichloroethene	96	7.260	7.260	(0.810)	705204	5.00000	5.0
	21 2-Butanone	43	7.319	7.319	(0.817)	598857	50.0000	44
	22 Bromochloromethane	128	7.596	7.596	(0.848)	238336	5.00000	5.3
$	23 Chloroform-d	84	7.685	7.685	(0.858)	1392071	5.00000	4.8
	24 Chloroform	83	7.715	7.715	(0.861)	1351442	5.00000	4.9
	25 1,1,1-Trichloroethane	97	7.952	7.952	(0.631)	1392410	5.00000	4.8
	26 Cyclohexane	56	8.011	8.011	(0.635)	1509950	5.00000	4.6
	27 Carbon tetrachloride	117	8.170	8.170	(0.648)	1264059	5.00000	4.9
$	28 1,2-Dichloroethane-d4	65	8.387	8.387	(0.936)	426351	5.00000	4.6
$	29 Benzene-d6	84	8.407	8.407	(0.667)	2128934	5.00000	4.9
	30 Benzene	78	8.456	8.456	(0.671)	2071798	5.00000	4.8
	31 1,2-Dichloroethane	62	8.496	8.496	(0.948)	492507	5.00000	4.8
*	32 1,4-Difluorobenzene	114	8.961	8.961	(1.000)	2169402	5.00000	
	33 Trichloroethene	95	9.297	9.297	(0.737)	969748	5.00000	4.8
$	34 1,2-Dichloropropane-d6	67	9.485	9.485	(0.752)	1047764	5.00000	4.7
	35 Methylcyclohexane	55	9.534	9.534	(0.756)	1242096	5.00000	4.4
	36 1,2-Dichloropropane	63	9.594	9.594	(0.761)	805829	5.00000	4.7
	37 Bromodichloromethane	83	9.950	9.950	(0.789)	954465	5.00000	4.7
	38 cis-1,3-Dichloropropene	75	10.503	10.503	(0.833)	869455	5.00000	5.0
	39 4-Methyl-2-pentanone	43	10.701	10.701	(0.849)	1924054	50.0000	45
$	40 Toluene-d8	98	10.830	10.830	(0.859)	2167284	5.00000	4.8
	41 Toluene	91	10.919	10.919	(0.866)	2252791	5.00000	4.8
$	42 trans-1,3-Dichloropropene-d4	79	11.156	11.156	(0.885)	521862	5.00000	4.8
	43 trans-1,3-Dichloropropene	75	11.195	11.195	(0.888)	547766	5.00000	4.8
	44 1,1,2-Trichloroethane	97	11.423	11.423	(0.906)	298952	5.00000	4.9
	45 Tetrachloroethene	164	11.591	11.591	(0.919)	805795	5.00000	5.0
$	46 2-Hexanone-d5	63	11.660	11.660	(0.925)	733397	50.0000	50
	47 2-Hexanone	43	11.720	11.720	(0.929)	1304374	50.0000	45
	48 Dibromochloromethane	129	11.917	11.917	(0.945)	527807	5.00000	5.1
	49 1,2-Dibromoethane	107	12.056	12.056	(0.956)	423336	5.00000	5.0
*	50 Chlorobenzene-d5	117	12.609	12.609	(1.000)	1569567	5.00000	
	51 Chlorobenzene	112	12.649	12.649	(1.003)	1596967	5.00000	5.0
	52 Ethylbenzene	91	12.768	12.768	(1.013)	2968518	5.00000	4.7
	53 m,p-Xylene	106	12.906	12.906	(1.024)	1148018	5.00000	4.9
	54 Styrene	104	13.410	13.410	(1.064)	1552282	5.00000	5.0
	55 o-Xylene	106	13.391	13.391	(1.062)	1011352	5.00000	4.9
	56 Bromoform	173	13.658	13.658	(0.887)	286925	5.00000	5.3
	57 Isopropylbenzene	105	13.836	13.836	(1.097)	3426726	5.00000	4.8
$	58 1,1,2,2-Tetrachloroethane-d2	84	14.172	14.172	(1.124)	379321	5.00000	4.9
	59 1,1,2,2-Tetrachloroethane	83	14.201	14.201	(1.126)	362396	5.00000	4.7
	60 1,3-Dichlorobenzene	146	15.329	15.329	(0.996)	1080496	5.00000	5.1
*	61 1,4-Dichlorobenzene-d4	152	15.398	15.398	(1.000)	719827	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62	1,4-Dichlorobenzene	146	15.418	15.418	(1.001)	1148254	5.00000	5.1
$ 63	1,2-Dichlorobenzene-d4	152	15.793	15.793	(1.026)	553926	5.00000	5.0
64	1,2-Dichlorobenzene	146	15.813	15.813	(1.027)	806010	5.00000	5.1
65	1,2-Dibromo-3-chloropropane	75	16.555	16.555	(1.075)	56118	5.00000	4.3
66	1,2,4-Trichlorobenzene	180	17.326	17.326	(1.125)	659421	5.00000	5.2
67	1,2,3-Trichlorobenzene	180	17.821	17.821	(1.157)	470325	5.00000	5.2

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date: 01/22/2010 Time: 0435

Lab File ID: MAO05BC1 Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005HM Init. Calib. Time(s): 1134 1340

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.433	0.412	0.010	-4.9	50.0
Chloromethane	0.393	0.362	0.010	-8.0	50.0
Vinyl chloride	0.419	0.408	0.010	-2.8	50.0
Bromomethane	0.235	0.229	0.010	-2.4	50.0
Chloroethane	0.271	0.264	0.010	-2.4	50.0
Trichlorofluoromethane	0.723	0.717	0.010	-0.9	50.0
1,1-Dichloroethene	0.342	0.359	0.010	4.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.716	0.739	0.010	3.2	50.0
Acetone	0.013	0.013	0.010	4.1	50.0
Carbon disulfide	1.104	1.095	0.010	-0.8	50.0
Methyl acetate	0.055	0.057	0.010	2.7	50.0
Methylene chloride	0.235	0.237	0.010	0.9	50.0
trans-1,2-Dichloroethene	0.377	0.379	0.010	0.6	50.0
Methyl tert-butyl ether	0.296	0.306	0.010	3.3	50.0
1,1-Dichloroethane	0.840	0.819	0.010	-2.6	50.0
cis-1,2-Dichloroethene	0.325	0.329	0.010	1.3	50.0
2-Butanone	0.031	0.032	0.010	2.4	50.0
Bromochloromethane	0.104	0.109	0.010	4.2	50.0
Chloroform	0.641	0.639	0.010	-0.3	50.0
1,1,1-Trichloroethane	0.929	0.905	0.010	-2.6	50.0
Cyclohexane	1.053	0.978	0.010	-7.1	50.0
Carbon tetrachloride	0.819	0.792	0.010	-3.3	50.0
Benzene	1.364	1.339	0.010	-1.8	50.0
1,2-Dichloroethane	0.238	0.250	0.010	4.9	50.0
Trichloroethene	0.645	0.639	0.010	-1.0	50.0
Methylcyclohexane	0.906	0.858	0.010	-5.3	50.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date: 01/22/2010 Time: 0435

Lab File ID: MAO05BC1 Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005HM Init. Calib. Time(s): 1134 1340

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.544	0.565	0.010	3.9	50.0
Bromodichloromethane	0.645	0.654	0.010	1.5	50.0
cis-1,3-Dichloropropene	0.555	0.572	0.010	2.9	50.0
4-Methyl-2-pentanone	0.136	0.142	0.010	4.1	50.0
Toluene	1.507	1.501	0.010	-0.4	50.0
trans-1,3-Dichloropropene	0.362	0.364	0.010	0.7	50.0
1,1,2-Trichloroethane	0.194	0.206	0.010	6.3	50.0
Tetrachloroethene	0.514	0.517	0.010	0.5	50.0
2-Hexanone	0.092	0.096	0.010	3.7	50.0
Dibromochloromethane	0.328	0.349	0.010	6.3	50.0
1,2-Dibromoethane	0.270	0.283	0.010	5.0	50.0
Chlorobenzene	1.016	1.018	0.010	0.2	50.0
Ethylbenzene	1.997	1.943	0.010	-2.7	50.0
o-Xylene	0.651	0.650	0.010	-0.2	50.0
m,p-Xylene	0.744	0.745	0.010	0.1	50.0
Styrene	0.987	1.024	0.010	3.7	50.0
Bromoform	0.376	0.405	0.010	7.6	50.0
Isopropylbenzene	2.257	2.221	0.010	-1.6	50.0
1,1,2,2-Tetrachloroethane	0.246	0.253	0.010	2.6	50.0
1,3-Dichlorobenzene	1.480	1.529	0.010	3.3	50.0
1,4-Dichlorobenzene	1.553	1.569	0.010	1.0	50.0
1,2-Dichlorobenzene	1.102	1.135	0.010	3.0	50.0
1,2-Dibromo-3-chloropropane	0.090	0.079	0.010	-11.7	50.0
1,2,4-Trichlorobenzene	0.873	0.894	0.010	2.4	50.0
1,2,3-Trichlorobenzene	0.633	0.639	0.010	1.0	50.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date: 01/22/2010 Time: 0435

Lab File ID: MAO05BC1 Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005HM Init. Calib. Time(s): 1134 1340

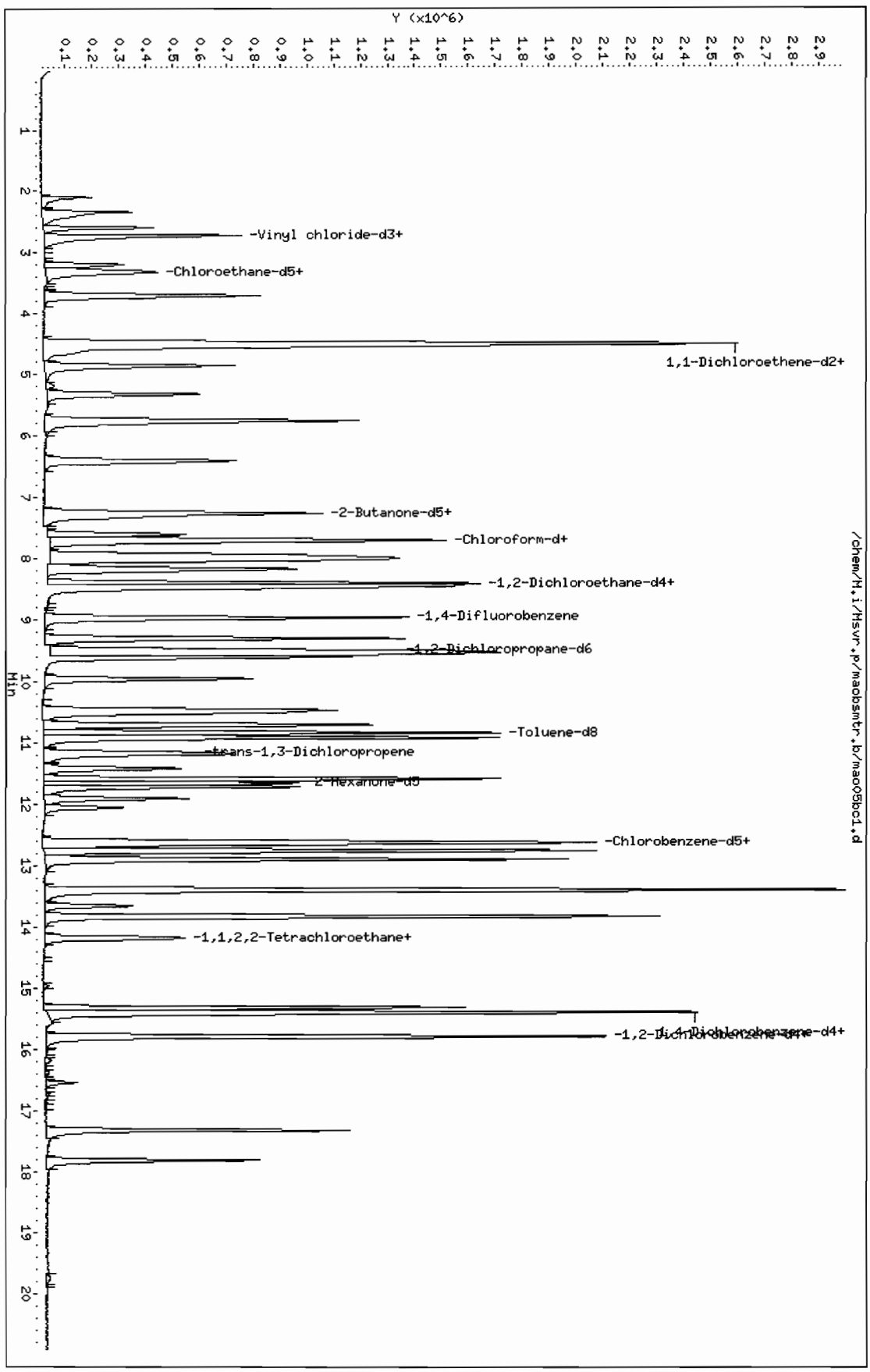
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.467	0.455	0.010	-2.5	50.0
Chloroethane-d5	0.367	0.363	0.010	-1.0	50.0
1,1-Dichloroethene-d2	1.014	1.034	0.010	1.9	50.0
2-Butanone-d5	0.033	0.034	0.010	4.0	50.0
Chloroform-d	0.675	0.678	0.010	0.4	50.0
1,2-Dichloroethane-d4	0.214	0.210	0.010	-1.9	50.0
Benzene-d6	1.387	1.387	0.010	0.0	50.0
1,2-Dichloropropane-d6	0.703	0.720	0.010	2.5	50.0
Toluene-d8	1.439	1.422	0.010	-1.1	50.0
trans-1,3-Dichloropropene-d4	0.346	0.354	0.010	2.3	50.0
2-Hexanone-d5	0.047	0.050	0.010	6.8	50.0
1,1,2,2-Tetrachloroethane-d2	0.246	0.261	0.010	6.2	50.0
1,2-Dichlorobenzene-d4	0.767	0.793	0.010	3.4	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2



Data File: /chem/H.i/Hsvr.p/maobsmtr.b/mao05bc1.d
Date : 22-JAN-2010 04:35
Client ID: VSTD005HH
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: JP1
Column diameter: 0.53

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maobsmtr.b/mao05bc1.d
Lab Smp Id: VSTD005HM Client Smp ID: VSTD005HM
Inj Date : 22-JAN-2010 04:35
Operator : JP1 Inst ID: M.i
Smp Info :
Misc Info : VSTD005HM,012110MH,1,5
Comment :
Method : /chem/M.i/Msvr.p/maobsmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:10 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	2.336	2.336	(0.261)	818821	5.00000	4.8
	2 Chloromethane	50	2.583	2.593	(0.288)	720308	5.00000	4.6
$	3 Vinyl chloride-d3	65	2.722	2.721	(0.304)	905891	5.00000	4.9
	4 Vinyl chloride	62	2.732	2.731	(0.305)	811171	5.00000	4.9
	5 Bromomethane	94	3.186	3.186	(0.356)	456572	5.00000	4.9
$	6 Chloroethane-d5	69	3.295	3.295	(0.368)	722211	5.00000	5.0
	7 Chloroethane	64	3.335	3.334	(0.372)	526175	5.00000	4.9
	8 Trichlorofluoromethane	101	3.701	3.690	(0.413)	1426172	5.00000	5.0
$	9 1,1-Dichloroethene-d2	63	4.492	4.491	(0.501)	2057552	5.00000	5.1
	10 1,1-Dichloroethene	96	4.511	4.501	(0.503)	713425	5.00000	5.2
	11 1,1,2-Trichloro-1,2,2-trifluo	101	4.511	4.511	(0.503)	1470104	5.00000	5.2
	12 Acetone	43	4.640	4.630	(0.518)	261086	50.0000	52
	13 Carbon disulfide	76	4.858	4.857	(0.542)	2177835	5.00000	5.0
	14 Methyl acetate	43	5.184	5.173	(0.578)	112432	5.00000	5.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	15 Methylene chloride	84	5.322	5.322	(0.594)	472156	5.00000	5.0
	16 trans-1,2-Dichloroethene	96	5.747	5.747	(0.641)	754935	5.00000	5.0
	17 Methyl tert-butyl ether	73	5.777	5.767	(0.645)	609433	5.00000	5.2
	18 1,1-Dichloroethane	63	6.400	6.400	(0.714)	1629303	5.00000	4.9
$	19 2-Butanone-d5	46	7.231	7.230	(0.807)	680192	50.0000	52
	20 cis-1,2-Dichloroethene	96	7.260	7.260	(0.810)	654950	5.00000	5.1
	21 2-Butanone	43	7.320	7.319	(0.817)	638702	50.0000	51
	22 Bromochloromethane	128	7.597	7.596	(0.848)	216177	5.00000	5.2(Q)
$	23 Chloroform-d	84	7.686	7.685	(0.858)	1348191	5.00000	5.0
	24 Chloroform	83	7.715	7.715	(0.861)	1271545	5.00000	5.0
	25 1,1,1-Trichloroethane	97	7.953	7.952	(0.631)	1316532	5.00000	4.9
	26 Cyclohexane	56	8.012	8.011	(0.636)	1422589	5.00000	4.6
	27 Carbon tetrachloride	117	8.170	8.170	(0.648)	1151620	5.00000	4.8
$	28 1,2-Dichloroethane-d4	65	8.398	8.387	(0.937)	418354	5.00000	4.9
$	29 Benzene-d6	84	8.407	8.407	(0.667)	2018011	5.00000	5.0
	30 Benzene	78	8.457	8.456	(0.671)	1947900	5.00000	4.9
	31 1,2-Dichloroethane	62	8.487	8.496	(0.947)	496730	5.00000	5.2
*	32 1,4-Difluorobenzene	114	8.961	8.961	(1.000)	1989740	5.00000	
	33 Trichloroethene	95	9.297	9.297	(0.738)	929372	5.00000	5.0
$	34 1,2-Dichloropropane-d6	67	9.485	9.485	(0.753)	1047855	5.00000	5.1
	35 Methylcyclohexane	55	9.535	9.534	(0.757)	1248001	5.00000	4.7
	36 1,2-Dichloropropane	63	9.594	9.594	(0.761)	822532	5.00000	5.2
	37 Bromodichloromethane	83	9.950	9.950	(0.790)	951995	5.00000	5.1
	38 cis-1,3-Dichloropropene	75	10.504	10.503	(0.834)	831802	5.00000	5.1
	39 4-Methyl-2-pentanone	43	10.701	10.701	(0.849)	2060769	50.0000	52
$	40 Toluene-d8	98	10.830	10.830	(0.860)	2069047	5.00000	4.9
	41 Toluene	91	10.909	10.919	(0.866)	2183060	5.00000	5.0
$	42 trans-1,3-Dichloropropene-d4	79	11.146	11.156	(0.885)	514459	5.00000	5.1
	43 trans-1,3-Dichloropropene	75	11.186	11.195	(0.888)	529471	5.00000	5.0
	44 1,1,2-Trichloroethane	97	11.413	11.423	(0.906)	300096	5.00000	5.3
	45 Tetrachloroethene	164	11.582	11.591	(0.919)	752087	5.00000	5.0
$	46 2-Hexanone-d5	63	11.651	11.660	(0.925)	725446	50.0000	53
	47 2-Hexanone	43	11.710	11.720	(0.929)	1392059	50.0000	52
	48 Dibromochloromethane	129	11.908	11.917	(0.945)	507920	5.00000	5.3
	49 1,2-Dibromoethane	107	12.046	12.056	(0.956)	411836	5.00000	5.2
*	50 Chlorobenzene-d5	117	12.600	12.609	(1.000)	1454604	5.00000	
	51 Chlorobenzene	112	12.640	12.649	(1.003)	1480435	5.00000	5.0
	52 Ethylbenzene	91	12.748	12.768	(1.012)	2826944	5.00000	4.9
	53 m,p-Xylene	106	12.887	12.906	(1.023)	1083429	5.00000	5.0
	54 Styrene	104	13.401	13.410	(1.064)	1488954	5.00000	5.2
	55 o-Xylene	106	13.381	13.391	(1.062)	945749	5.00000	5.0
	56 Bromoform	173	13.648	13.658	(0.887)	277429	5.00000	5.4
	57 Isopropylbenzene	105	13.816	13.836	(1.097)	3230622	5.00000	4.9
$	58 1,1,2,2-Tetrachloroethane-d2	84	14.152	14.172	(1.123)	380170	5.00000	5.3
	59 1,1,2,2-Tetrachloroethane	83	14.192	14.201	(1.126)	367841	5.00000	5.1
	60 1,3-Dichlorobenzene	146	15.309	15.329	(0.995)	1047455	5.00000	5.2
*	61 1,4-Dichlorobenzene-d4	152	15.379	15.398	(1.000)	684967	5.00000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	15.408	15.418	(1.002)	1074773	5.00000	5.1
$ 63 1,2-Dichlorobenzene-d4	152	15.784	15.793	(1.026)	543258	5.00000	5.2
64 1,2-Dichlorobenzene	146	15.804	15.813	(1.028)	777236	5.00000	5.1
65 1,2-Dibromo-3-chloropropane	75	16.536	16.555	(1.075)	54357	5.00000	4.4
66 1,2,4-Trichlorobenzene	180	17.317	17.326	(1.126)	612067	5.00000	5.1
67 1,2,3-Trichlorobenzene	180	17.811	17.821	(1.158)	437606	5.00000	5.0

QC Flag Legend

Q - Qualifier signal failed the ratio test.

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date: 01/22/2010 Time: 0903

Lab File ID: MAO05CV Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005MI Init. Calib. Time(s): 1134 1340

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.433	0.430	0.010	-0.6	40.0
Chloromethane	0.393	0.381	0.010	-3.2	40.0
Vinyl chloride	0.419	0.422	0.100	0.7	30.0
Bromomethane	0.235	0.259	0.100	10.2	30.0
Chloroethane	0.271	0.275	0.010	1.6	40.0
Trichlorofluoromethane	0.723	0.724	0.010	0.1	40.0
1,1-Dichloroethene	0.342	0.366	0.100	7.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.716	0.765	0.010	6.9	40.0
Acetone	0.013	0.013	0.010	2.7	40.0
Carbon disulfide	1.104	1.120	0.010	1.4	40.0
Methyl acetate	0.055	0.059	0.010	7.3	40.0
Methylene chloride	0.235	0.244	0.010	3.7	40.0
trans-1,2-Dichloroethene	0.377	0.390	0.010	3.3	40.0
Methyl tert-butyl ether	0.296	0.310	0.010	4.5	40.0
1,1-Dichloroethane	0.840	0.861	0.200	2.4	30.0
cis-1,2-Dichloroethene	0.325	0.341	0.010	5.0	40.0
2-Butanone	0.031	0.033	0.010	4.3	40.0
Bromochloromethane	0.104	0.112	0.050	7.2	30.0
Chloroform	0.641	0.664	0.200	3.6	30.0
1,1,1-Trichloroethane	0.929	0.908	0.100	-2.3	30.0
Cyclohexane	1.053	0.998	0.010	-5.2	40.0
Carbon tetrachloride	0.819	0.800	0.100	-2.3	30.0
Benzene	1.364	1.354	0.400	-0.8	30.0
1,2-Dichloroethane	0.238	0.259	0.100	8.7	30.0
Trichloroethene	0.645	0.630	0.300	-2.3	30.0
Methylcyclohexane	0.906	0.870	0.010	-4.0	40.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date: 01/22/2010 Time: 0903

Lab File ID: MAO05CV Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005MI Init. Calib. Time(s): 1134 1340

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.544	0.553	0.010	1.6	40.0
Bromodichloromethane	0.645	0.661	0.200	2.6	30.0
cis-1,3-Dichloropropene	0.555	0.579	0.200	4.2	30.0
4-Methyl-2-pentanone	0.136	0.143	0.010	5.1	40.0
Toluene	1.507	1.496	0.400	-0.7	30.0
trans-1,3-Dichloropropene	0.362	0.371	0.100	2.5	30.0
1,1,2-Trichloroethane	0.194	0.205	0.100	5.8	30.0
Tetrachloroethene	0.514	0.517	0.100	0.5	30.0
2-Hexanone	0.092	0.096	0.010	4.3	40.0
Dibromochloromethane	0.328	0.345	0.100	5.2	30.0
1,2-Dibromoethane	0.270	0.285	0.010	5.8	30.0
Chlorobenzene	1.016	1.037	0.500	2.0	30.0
Ethylbenzene	1.997	1.995	0.100	-0.1	30.0
o-Xylene	0.651	0.654	0.300	0.4	30.0
m,p-Xylene	0.744	0.756	0.300	1.6	30.0
Styrene	0.987	1.010	0.300	2.3	30.0
Bromoform	0.376	0.389	0.050	3.3	30.0
Isopropylbenzene	2.257	2.227	0.010	-1.3	40.0
1,1,2,2-Tetrachloroethane	0.246	0.255	0.100	3.6	30.0
1,3-Dichlorobenzene	1.480	1.473	0.400	-0.5	30.0
1,4-Dichlorobenzene	1.553	1.570	0.400	1.1	30.0
1,2-Dichlorobenzene	1.102	1.114	0.400	1.1	30.0
1,2-Dibromo-3-chloropropane	0.090	0.082	0.010	-8.8	40.0
1,2,4-Trichlorobenzene	0.873	0.871	0.200	-0.3	30.0
1,2,3-Trichlorobenzene	0.633	0.622	0.200	-1.6	30.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date: 01/22/2010 Time: 0903

Lab File ID: MAO05CV Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005MI Init. Calib. Time(s): 1134 1340

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.467	0.465	0.010	-0.4	30.0
Chloroethane-d5	0.367	0.373	0.010	1.7	40.0
1,1-Dichloroethene-d2	1.014	1.065	0.010	5.0	30.0
2-Butanone-d5	0.033	0.035	0.010	7.2	40.0
Chloroform-d	0.675	0.702	0.010	4.1	30.0
1,2-Dichloroethane-d4	0.214	0.214	0.010	-0.1	30.0
Benzene-d6	1.387	1.386	0.400	-0.0	30.0
1,2-Dichloropropane-d6	0.703	0.717	0.010	2.0	40.0
Toluene-d8	1.439	1.439	0.010	0.0	30.0
trans-1,3-Dichloropropene-d4	0.346	0.358	0.010	3.4	30.0
2-Hexanone-d5	0.047	0.050	0.010	6.9	40.0
1,1,2,2-Tetrachloroethane-d2	0.246	0.258	0.010	4.8	30.0
1,2-Dichlorobenzene-d4	0.767	0.777	0.010	1.2	30.0

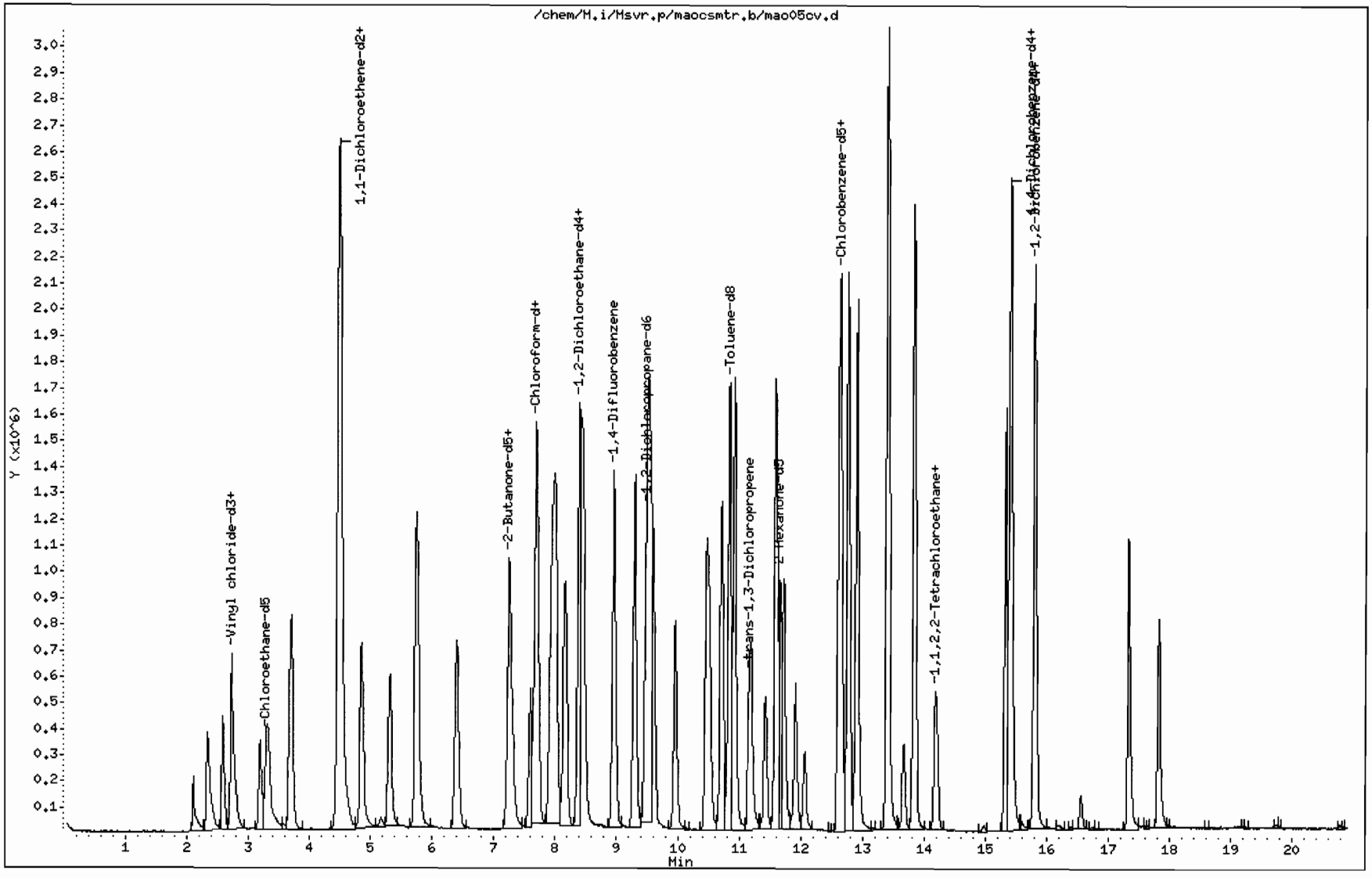
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/M.i/Msvr.p/maocsmtr.b/mao05cv.d
Date : 22-JAN-2010 09:03
Client ID: VSTD005MI
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Page 4

Instrument: M.i
Operator: MRV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maocsmtr.b/mao05cv.d
Lab Smp Id: VSTD005MI Client Smp ID: VSTD005MI
Inj Date : 22-JAN-2010 09:03
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VSTD005MI,,1,5
Comment :
Method : /chem/M.i/Msvr.p/maocsmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:22 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 4 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	2.331	2.345	(0.260)	845751	5.00000	5.0
	2 Chloromethane	50	2.578	2.593	(0.288)	748665	5.00000	4.8
$	3 Vinyl chloride-d3	65	2.717	2.731	(0.303)	914854	5.00000	5.0
	4 Vinyl chloride	62	2.727	2.741	(0.304)	830327	5.00000	5.0
	5 Bromomethane	94	3.182	3.196	(0.355)	509104	5.00000	5.5
$	6 Chloroethane-d5	69	3.280	3.295	(0.366)	732720	5.00000	5.1
	7 Chloroethane	64	3.320	3.334	(0.371)	541462	5.00000	5.1
	8 Trichlorofluoromethane	101	3.696	3.700	(0.413)	1422302	5.00000	5.0
$	9 1,1-Dichloroethene-d2	63	4.477	4.491	(0.500)	2092886	5.00000	5.2
	10 1,1-Dichloroethene	96	4.497	4.511	(0.502)	718607	5.00000	5.3
	11 1,1,2-Trichloro-1,2,2-trifluo	101	4.507	4.511	(0.503)	1503759	5.00000	5.3
	12 Acetone	43	4.625	4.640	(0.516)	254360	50.0000	51
	13 Carbon disulfide	76	4.853	4.857	(0.542)	2201196	5.00000	5.1
	14 Methyl acetate	43	5.169	5.183	(0.577)	116028	5.00000	5.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	15 Methylene chloride	84	5.317	5.322	(0.594)	479534	5.00000	5.2
	16 trans-1,2-Dichloroethene	96	5.743	5.757	(0.641)	765821	5.00000	5.2
	17 Methyl tert-butyl ether	73	5.762	5.777	(0.643)	608650	5.00000	5.2
	18 1,1-Dichloroethane	63	6.395	6.400	(0.714)	1691620	5.00000	5.1
$	19 2-Butanone-d5	46	7.226	7.240	(0.807)	693007	50.0000	54
	20 cis-1,2-Dichloroethene	96	7.255	7.270	(0.810)	670545	5.00000	5.2
	21 2-Butanone	43	7.315	7.329	(0.817)	642596	50.0000	52
	22 Bromochloromethane	128	7.592	7.606	(0.848)	219781	5.00000	5.4
$	23 Chloroform-d	84	7.681	7.695	(0.858)	1380855	5.00000	5.2
	24 Chloroform	83	7.710	7.725	(0.861)	1305072	5.00000	5.2
	25 1,1,1-Trichloroethane	97	7.938	7.952	(0.630)	1332709	5.00000	4.9
	26 Cyclohexane	56	8.007	8.021	(0.635)	1466014	5.00000	4.7
	27 Carbon tetrachloride	117	8.165	8.180	(0.648)	1174642	5.00000	4.9
$	28 1,2-Dichloroethane-d4	65	8.393	8.397	(0.937)	421028	5.00000	5.0(Q)
$	29 Benzene-d6	84	8.393	8.417	(0.666)	2035533	5.00000	5.0
	30 Benzene	78	8.442	8.466	(0.670)	1987489	5.00000	5.0
	31 1,2-Dichloroethane	62	8.482	8.506	(0.947)	508224	5.00000	5.4
*	32 1,4-Difluorobenzene	114	8.956	8.971	(1.000)	1965802	5.00000	
	33 Trichloroethene	95	9.292	9.307	(0.737)	925466	5.00000	4.9
$	34 1,2-Dichloropropane-d6	67	9.470	9.485	(0.751)	1052330	5.00000	5.1
	35 Methylcyclohexane	55	9.520	9.534	(0.755)	1276840	5.00000	4.8
	36 1,2-Dichloropropane	63	9.589	9.594	(0.761)	811954	5.00000	5.1
	37 Bromodichloromethane	83	9.945	9.940	(0.789)	971072	5.00000	5.1
	38 cis-1,3-Dichloropropene	75	10.499	10.493	(0.833)	849530	5.00000	5.2
	39 4-Methyl-2-pentanone	43	10.697	10.691	(0.849)	2100430	50.0000	53
$	40 Toluene-d8	98	10.825	10.820	(0.859)	2112408	5.00000	5.0
	41 Toluene	91	10.904	10.909	(0.865)	2196722	5.00000	5.0
$	42 trans-1,3-Dichloropropene-d4	79	11.142	11.146	(0.884)	524907	5.00000	5.2
	43 trans-1,3-Dichloropropene	75	11.181	11.186	(0.887)	544023	5.00000	5.1
	44 1,1,2-Trichloroethane	97	11.409	11.423	(0.905)	301636	5.00000	5.3
	45 Tetrachloroethene	164	11.577	11.591	(0.918)	759200	5.00000	5.0
$	46 2-Hexanone-d5	63	11.656	11.660	(0.925)	732554	50.0000	53
	47 2-Hexanone	43	11.715	11.729	(0.929)	1412775	50.0000	52
	48 Dibromochloromethane	129	11.903	11.917	(0.944)	507099	5.00000	5.3
	49 1,2-Dibromoethane	107	12.051	12.076	(0.956)	418735	5.00000	5.3
*	50 Chlorobenzene-d5	117	12.605	12.639	(1.000)	1468252	5.00000	
	51 Chlorobenzene	112	12.635	12.669	(1.002)	1522259	5.00000	5.1
	52 Ethylbenzene	91	12.753	12.797	(1.012)	2929837	5.00000	5.0
	53 m,p-Xylene	106	12.892	12.936	(1.023)	1109669	5.00000	5.1
	54 Styrene	104	13.396	13.460	(1.063)	1482478	5.00000	5.1
	55 o-Xylene	106	13.386	13.440	(1.062)	960192	5.00000	5.0
	56 Bromoform	173	13.653	13.717	(0.888)	275363	5.00000	5.2
	57 Isopropylbenzene	105	13.821	13.885	(1.096)	3269223	5.00000	4.9
$	58 1,1,2,2-Tetrachloroethane-d2	84	14.157	14.241	(1.123)	378704	5.00000	5.2
	59 1,1,2,2-Tetrachloroethane	83	14.187	14.271	(1.125)	374577	5.00000	5.2
	60 1,3-Dichlorobenzene	146	15.314	15.408	(0.996)	1043973	5.00000	5.0
*	61 1,4-Dichlorobenzene-d4	152	15.384	15.467	(1.000)	708763	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
62	1,4-Dichlorobenzene	146	15.413	15.497	(1.002)	1113103	5.00000	5.1
$ 63	1,2-Dichlorobenzene-d4	152	15.779	15.873	(1.026)	550556	5.00000	5.1
64	1,2-Dichlorobenzene	146	15.799	15.892	(1.027)	789353	5.00000	5.1
65	1,2-Dibromo-3-chloropropane	75	16.541	16.644	(1.075)	58117	5.00000	4.6
66	1,2,4-Trichlorobenzene	180	17.322	17.435	(1.126)	617075	5.00000	5.0
67	1,2,3-Trichlorobenzene	180	17.816	17.949	(1.158)	441069	5.00000	4.9

QC Flag Legend

Q - Qualifier signal failed the ratio test.

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date: 01/22/2010 Time: 1922

Lab File ID: MA005CC1 Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005IM Init. Calib. Time(s): 1134 1340

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.433	0.393	0.010	-9.2	50.0
Chloromethane	0.393	0.364	0.010	-7.5	50.0
Vinyl chloride	0.419	0.411	0.010	-2.0	50.0
Bromomethane	0.235	0.142	0.010	-39.6	50.0
Chloroethane	0.271	0.286	0.010	5.6	50.0
Trichlorofluoromethane	0.723	0.743	0.010	2.7	50.0
1,1-Dichloroethene	0.342	0.364	0.010	6.6	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.716	0.764	0.010	6.7	50.0
Acetone	0.013	0.015	0.010	15.5	50.0
Carbon disulfide	1.104	1.119	0.010	1.3	50.0
Methyl acetate	0.055	0.057	0.010	3.7	50.0
Methylene chloride	0.235	0.242	0.010	2.9	50.0
trans-1,2-Dichloroethene	0.377	0.393	0.010	4.2	50.0
Methyl tert-butyl ether	0.296	0.318	0.010	7.4	50.0
1,1-Dichloroethane	0.840	0.869	0.010	3.4	50.0
cis-1,2-Dichloroethene	0.325	0.342	0.010	5.1	50.0
2-Butanone	0.031	0.033	0.010	6.7	50.0
Bromochloromethane	0.104	0.111	0.010	6.5	50.0
Chloroform	0.641	0.671	0.010	4.8	50.0
1,1,1-Trichloroethane	0.929	0.919	0.010	-1.1	50.0
Cyclohexane	1.053	1.002	0.010	-4.9	50.0
Carbon tetrachloride	0.819	0.791	0.010	-3.4	50.0
Benzene	1.364	1.354	0.010	-0.8	50.0
1,2-Dichloroethane	0.238	0.260	0.010	9.4	50.0
Trichloroethene	0.645	0.638	0.010	-1.1	50.0
Methylcyclohexane	0.906	0.868	0.010	-4.2	50.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date: 01/22/2010 Time: 1922

Lab File ID: MAO05CC1 Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005IM Init. Calib. Time(s): 1134 1340

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.544	0.569	0.010	4.5	50.0
Bromodichloromethane	0.645	0.665	0.010	3.2	50.0
cis-1,3-Dichloropropene	0.555	0.572	0.010	3.0	50.0
4-Methyl-2-pentanone	0.136	0.147	0.010	7.7	50.0
Toluene	1.507	1.514	0.010	0.5	50.0
trans-1,3-Dichloropropene	0.362	0.361	0.010	-0.2	50.0
1,1,2-Trichloroethane	0.194	0.206	0.010	6.0	50.0
Tetrachloroethene	0.514	0.517	0.010	0.6	50.0
2-Hexanone	0.092	0.100	0.010	7.8	50.0
Dibromochloromethane	0.328	0.346	0.010	5.4	50.0
1,2-Dibromoethane	0.270	0.279	0.010	3.5	50.0
Chlorobenzene	1.016	1.006	0.010	-1.0	50.0
Ethylbenzene	1.997	1.976	0.010	-1.0	50.0
o-Xylene	0.651	0.640	0.010	-1.8	50.0
m,p-Xylene	0.744	0.734	0.010	-1.4	50.0
Styrene	0.987	1.015	0.010	2.9	50.0
Bromoform	0.376	0.386	0.010	2.6	50.0
Isopropylbenzene	2.257	2.217	0.010	-1.8	50.0
1,1,2,2-Tetrachloroethane	0.246	0.260	0.010	5.7	50.0
1,3-Dichlorobenzene	1.480	1.506	0.010	1.8	50.0
1,4-Dichlorobenzene	1.553	1.558	0.010	0.3	50.0
1,2-Dichlorobenzene	1.102	1.108	0.010	0.6	50.0
1,2-Dibromo-3-chloropropane	0.090	0.083	0.010	-8.0	50.0
1,2,4-Trichlorobenzene	0.873	0.855	0.010	-2.0	50.0
1,2,3-Trichlorobenzene	0.633	0.621	0.010	-1.8	50.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Instrument ID: M.i Calibration Date: 01/22/2010 Time: 1922

Lab File ID: MA005CC1 Init. Calib. Date(s): 01/18/2010 01/18/2010

EPA Sample No.(VSTD#####): VSTD005IM Init. Calib. Time(s): 1134 1340

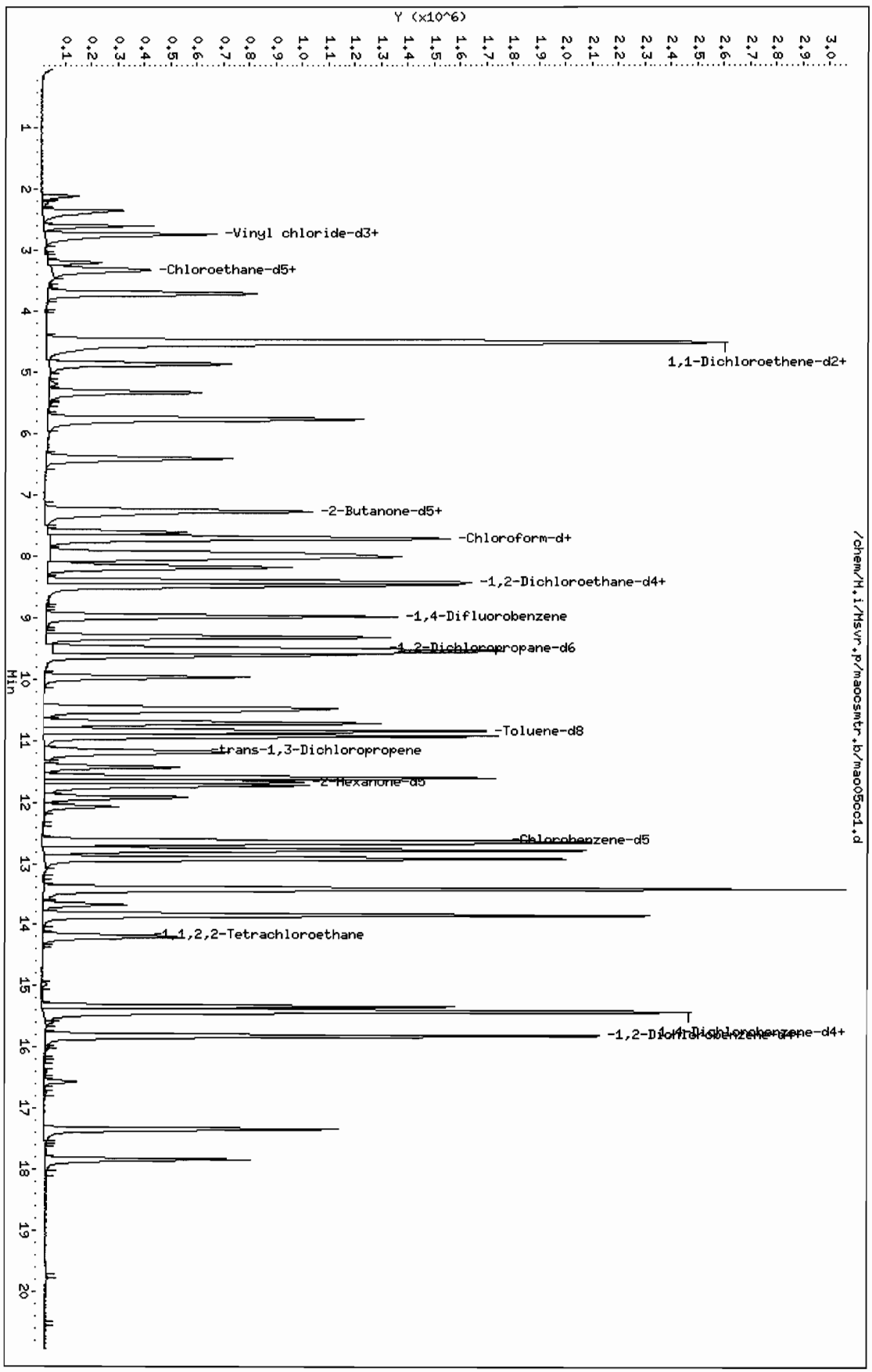
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.467	0.459	0.010	-1.8	50.0
Chloroethane-d5	0.367	0.372	0.010	1.6	50.0
1,1-Dichloroethene-d2	1.014	1.076	0.010	6.1	50.0
2-Butanone-d5	0.033	0.036	0.010	8.0	50.0
Chloroform-d	0.675	0.716	0.010	6.1	50.0
1,2-Dichloroethane-d4	0.214	0.222	0.010	3.6	50.0
Benzene-d6	1.387	1.388	0.010	0.1	50.0
1,2-Dichloropropane-d6	0.703	0.717	0.010	2.0	50.0
Toluene-d8	1.439	1.447	0.010	0.6	50.0
trans-1,3-Dichloropropene-d4	0.346	0.351	0.010	1.6	50.0
2-Hexanone-d5	0.047	0.050	0.010	6.5	50.0
1,1,2,2-Tetrachloroethane-d2	0.246	0.257	0.010	4.5	50.0
1,2-Dichlorobenzene-d4	0.767	0.772	0.010	0.7	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2


Data File: /chem/M.i/Msvr.p/maocsmtr.b/mao05cc1.d
Date : 22-JAN-2010 19:22
Client ID: VSTD005IM
Sample Info:
Purge Volume: 25.0
Column phase: DB-624
Instrument: M.i
Operator: MRV
Column diameter: 0.53
Page 4
Y (x10^6)
Min
/chem/M.i/Msvr.p/maocsmtr.b/mao05cc1.d
-Vinyl chloride-d3+
-Chloroethane-d5+
1,1-Dichloroethene-d2+
-2-Butanone-d5+
-Chloroform-d+
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,2-Dichlorobenzene-d4+

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maocsmtr.b/mao05cc1.d
Lab Smp Id: VSTD005IM Client Smp ID: VSTD005IM
Inj Date : 22-JAN-2010 19:22
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VSTD005IM,012210MI,1,5
Comment :
Method : /chem/M.i/Msvr.p/maocsmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:22 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 23 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	2.346	2.345	(0.261)	758943	5.00000	4.5
	2 Chloromethane	50	2.593	2.593	(0.289)	702127	5.00000	4.6
$	3 Vinyl chloride-d3	65	2.721	2.731	(0.303)	884915	5.00000	4.9
	4 Vinyl chloride	62	2.741	2.741	(0.305)	792693	5.00000	4.9
	5 Bromomethane	94	3.196	3.196	(0.356)	273932	5.00000	3.0
$	6 Chloroethane-d5	69	3.305	3.295	(0.368)	718434	5.00000	5.1
	7 Chloroethane	64	3.335	3.334	(0.371)	552380	5.00000	5.3
	8 Trichlorofluoromethane	101	3.700	3.700	(0.412)	1433463	5.00000	5.1
$	9 1,1-Dichloroethene-d2	63	4.501	4.491	(0.501)	2076392	5.00000	5.3
	10 1,1-Dichloroethene	96	4.521	4.511	(0.503)	702894	5.00000	5.3
	11 1,1,2-Trichloro-1,2,2-trifluo	101	4.511	4.511	(0.502)	1474688	5.00000	5.3
	12 Acetone	43	4.640	4.640	(0.517)	280802	50.0000	58
	13 Carbon disulfide	76	4.867	4.857	(0.542)	2159032	5.00000	5.1
	14 Methyl acetate	43	5.194	5.183	(0.578)	110085	5.00000	5.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	15 Methylene chloride	84	5.322	5.322	(0.593)	467467	5.00000	5.1
	16 trans-1,2-Dichloroethene	96	5.757	5.757	(0.641)	758658	5.00000	5.2
	17 Methyl tert-butyl ether	73	5.777	5.777	(0.643)	614478	5.00000	5.4
	18 1,1-Dichloroethane	63	6.400	6.400	(0.713)	1676781	5.00000	5.2
$	19 2-Butanone-d5	46	7.240	7.240	(0.806)	685701	50.0000	54
	20 cis-1,2-Dichloroethene	96	7.260	7.270	(0.808)	659134	5.00000	5.3
	21 2-Butanone	43	7.329	7.329	(0.816)	645140	50.0000	53
	22 Bromochloromethane	128	7.606	7.606	(0.847)	214360	5.00000	5.3
$	23 Chloroform-d	84	7.695	7.695	(0.857)	1382018	5.00000	5.3
	24 Chloroform	83	7.715	7.725	(0.859)	1295607	5.00000	5.2
	25 1,1,1-Trichloroethane	97	7.962	7.952	(0.631)	1339804	5.00000	4.9
	26 Cyclohexane	56	8.022	8.021	(0.636)	1460939	5.00000	4.8
	27 Carbon tetrachloride	117	8.180	8.180	(0.648)	1153660	5.00000	4.8
$	28 1,2-Dichloroethane-d4	65	8.407	8.397	(0.936)	428593	5.00000	5.2(Q)
$	29 Benzene-d6	84	8.417	8.417	(0.667)	2023525	5.00000	5.0
	30 Benzene	78	8.467	8.466	(0.671)	1974481	5.00000	5.0
	31 1,2-Dichloroethane	62	8.506	8.506	(0.947)	502507	5.00000	5.5
*	32 1,4-Difluorobenzene	114	8.981	8.971	(1.000)	1929979	5.00000	
	33 Trichloroethene	95	9.307	9.307	(0.738)	930587	5.00000	4.9
$	34 1,2-Dichloropropane-d6	67	9.495	9.485	(0.752)	1045236	5.00000	5.1
	35 Methylcyclohexane	55	9.544	9.534	(0.756)	1265954	5.00000	4.8
	36 1,2-Dichloropropane	63	9.604	9.594	(0.761)	829952	5.00000	5.2
	37 Bromodichloromethane	83	9.970	9.940	(0.790)	970287	5.00000	5.2
	38 cis-1,3-Dichloropropene	75	10.513	10.493	(0.833)	834399	5.00000	5.2
	39 4-Methyl-2-pentanone	43	10.711	10.691	(0.849)	2138092	50.0000	54
$	40 Toluene-d8	98	10.850	10.820	(0.860)	2110661	5.00000	5.0
	41 Toluene	91	10.929	10.909	(0.866)	2207829	5.00000	5.0
$	42 trans-1,3-Dichloropropene-d4	79	11.166	11.146	(0.885)	512425	5.00000	5.1
	43 trans-1,3-Dichloropropene	75	11.206	11.186	(0.888)	526358	5.00000	5.0
	44 1,1,2-Trichloroethane	97	11.433	11.423	(0.906)	300089	5.00000	5.3
	45 Tetrachloroethene	164	11.601	11.591	(0.919)	754375	5.00000	5.0
$	46 2-Hexanone-d5	63	11.670	11.660	(0.925)	725078	50.0000	53
	47 2-Hexanone	43	11.730	11.729	(0.929)	1451140	50.0000	54
	48 Dibromochloromethane	129	11.927	11.917	(0.945)	504851	5.00000	5.3
	49 1,2-Dibromoethane	107	12.066	12.076	(0.956)	407042	5.00000	5.2
*	50 Chlorobenzene-d5	117	12.620	12.639	(1.000)	1458242	5.00000	
	51 Chlorobenzene	112	12.659	12.669	(1.003)	1466576	5.00000	4.9
	52 Ethylbenzene	91	12.778	12.797	(1.013)	2882184	5.00000	4.9
	53 m,p-Xylene	106	12.916	12.936	(1.024)	1069708	5.00000	4.9
	54 Styrene	104	13.421	13.460	(1.063)	1480338	5.00000	5.1
	55 o-Xylene	106	13.401	13.440	(1.062)	933005	5.00000	4.9
	56 Bromoform	173	13.668	13.717	(0.888)	266975	5.00000	5.1
	57 Isopropylbenzene	105	13.836	13.885	(1.096)	3232985	5.00000	4.9
$	58 1,1,2,2-Tetrachloroethane-d2	84	14.172	14.241	(1.123)	375242	5.00000	5.2
	59 1,1,2,2-Tetrachloroethane	83	14.212	14.271	(1.126)	379776	5.00000	5.3
	60 1,3-Dichlorobenzene	146	15.329	15.408	(0.996)	1042023	5.00000	5.1
*	61 1,4-Dichlorobenzene-d4	152	15.398	15.467	(1.000)	691839	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62	1,4-Dichlorobenzene	146	15.428	15.497	(1.002)	1078011	5.00000	5.0
$ 63	1,2-Dichlorobenzene-d4	152	15.804	15.873	(1.026)	534279	5.00000	5.0
64	1,2-Dichlorobenzene	146	15.823	15.892	(1.028)	766839	5.00000	5.0
65	1,2-Dibromo-3-chloropropane	75	16.555	16.644	(1.075)	57189	5.00000	4.6
66	1,2,4-Trichlorobenzene	180	17.336	17.435	(1.126)	591643	5.00000	4.9
67	1,2,3-Trichlorobenzene	180	17.841	17.949	(1.159)	429948	5.00000	4.9

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Raw QC Data – SOM01.2 Volatiles – Trace

Data File: /chem/M.i/Msvr.p/maosmtr.b/mao01pv.d

Date : 18-JAN-2010 10:38

Client ID: BFBMC

Instrument: M.i

Sample Info: 50ng BFB

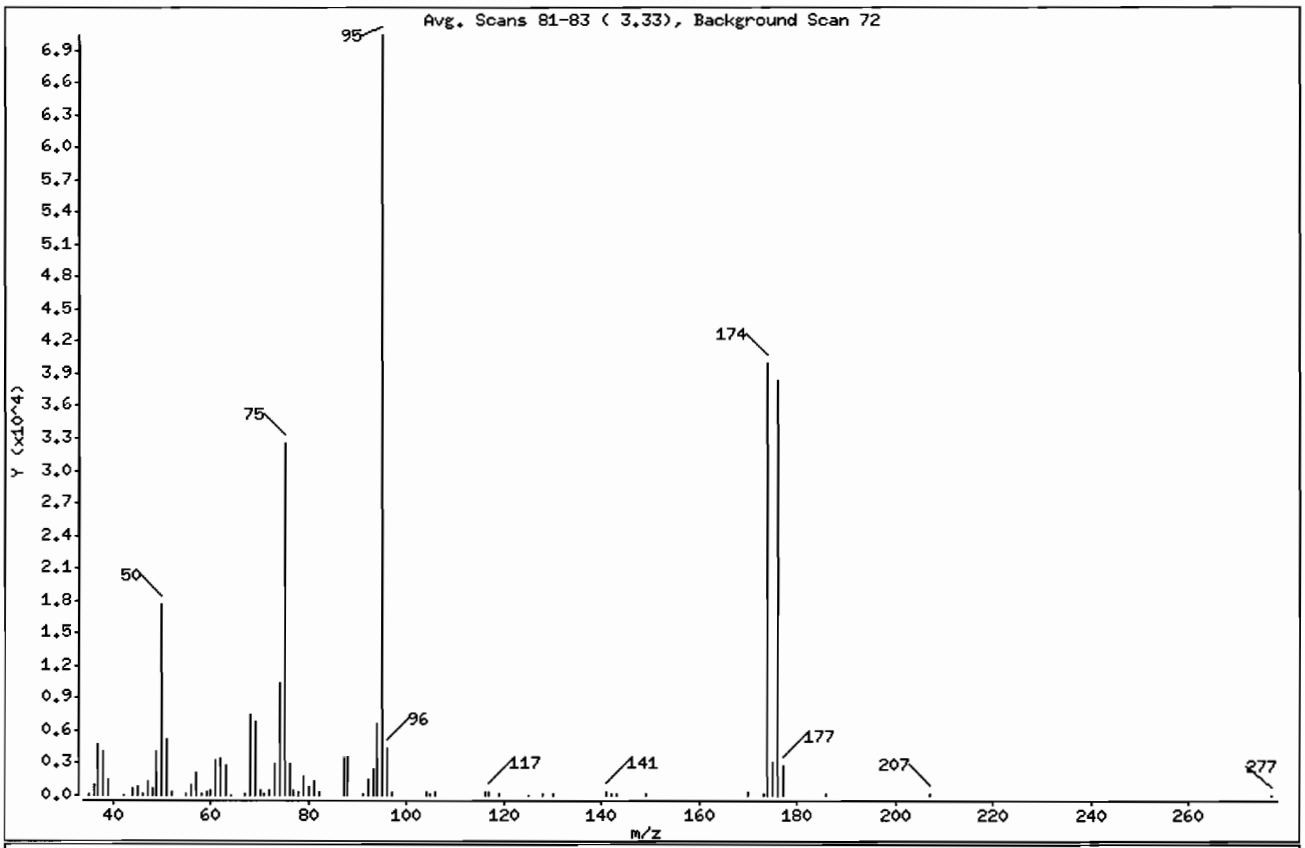
Volume Injected (uL): 1.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

$ 1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	25.05
75	30.00 - 80.00% of mass 95	46.19
96	5.00 - 9.00% of mass 95	6.19
173	Less than 2.00% of mass 174	0.12 (0.21)
174	50.00 - 120.00% of mass 95	56.70
175	5.00 - 9.00% of mass 174	4.42 (7.80)
176	95.00 - 101.00% of mass 174	54.52 (96.16)
177	5.00 - 9.00% of mass 176	3.81 (6.98)

Data File: /chem/M.i/Msvr.p/maosmtr.b/mao01pv.d

Date : 18-JAN-2010 10:38

Client ID: BFBMC

Instrument: M.i

Sample Info: 50ng BFB

Volume Injected (uL): 1.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Data File: mao01pv.d

Spectrum: Avg. Scans 81-83 (3.33), Background Scan 72

Location of Maximum: 95.00

Number of points: 72

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	115	59.00	272	80.00	752	128.00	155
36.00	1042	60.00	490	81.00	1299	130.00	194
37.00	4730	61.00	3293	82.00	345	141.00	257
38.00	4089	62.00	3445	87.00	3337	142.00	116
39.00	1421	63.00	2705	88.00	3633	143.00	203
42.00	57	64.00	32	91.00	148	149.00	95
44.00	622	67.00	185	92.00	1471	170.00	328
45.00	835	68.00	7452	93.00	2399	173.00	84
46.00	166	69.00	6816	94.00	6643	174.00	39904
47.00	1375	70.00	468	95.00	70376	175.00	3112
48.00	625	71.00	114	96.00	4355	176.00	38368
49.00	4032	72.00	493	97.00	259	177.00	2679
50.00	17624	73.00	2939	104.00	355	186.00	139
51.00	5244	74.00	10321	105.00	176	207.00	145
52.00	360	75.00	32504	106.00	244	277.00	68
55.00	200	76.00	2941	116.00	254		
56.00	949	77.00	565	117.00	305		
57.00	2164	78.00	374	119.00	174		
58.00	183	79.00	1700	125.00	4		

Data File: /chem/M.i/Msvr.p/maosmtr.b/mao01pv.d

Page 1

Date : 18-JAN-2010 10:38

Client ID: BFBMC

Instrument: M.i

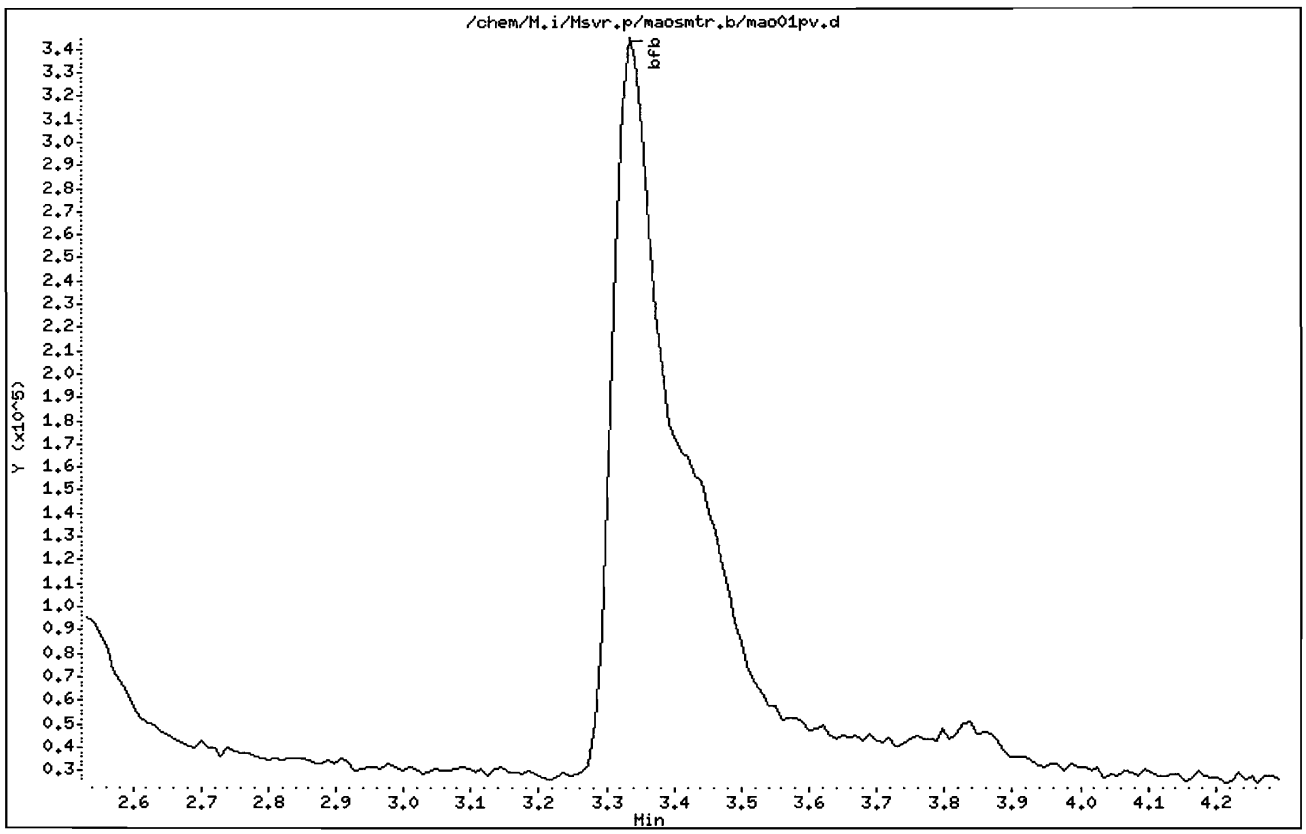
Sample Info: 50ng BFB

Volume Injected (uL): 1.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/M.i/Msvr.p/maoasmtr.b/mao02pv.d

Date : 19-JAN-2010 08:34

Client ID: BFBMD

Instrument: M.i

Sample Info: 50ng BFB

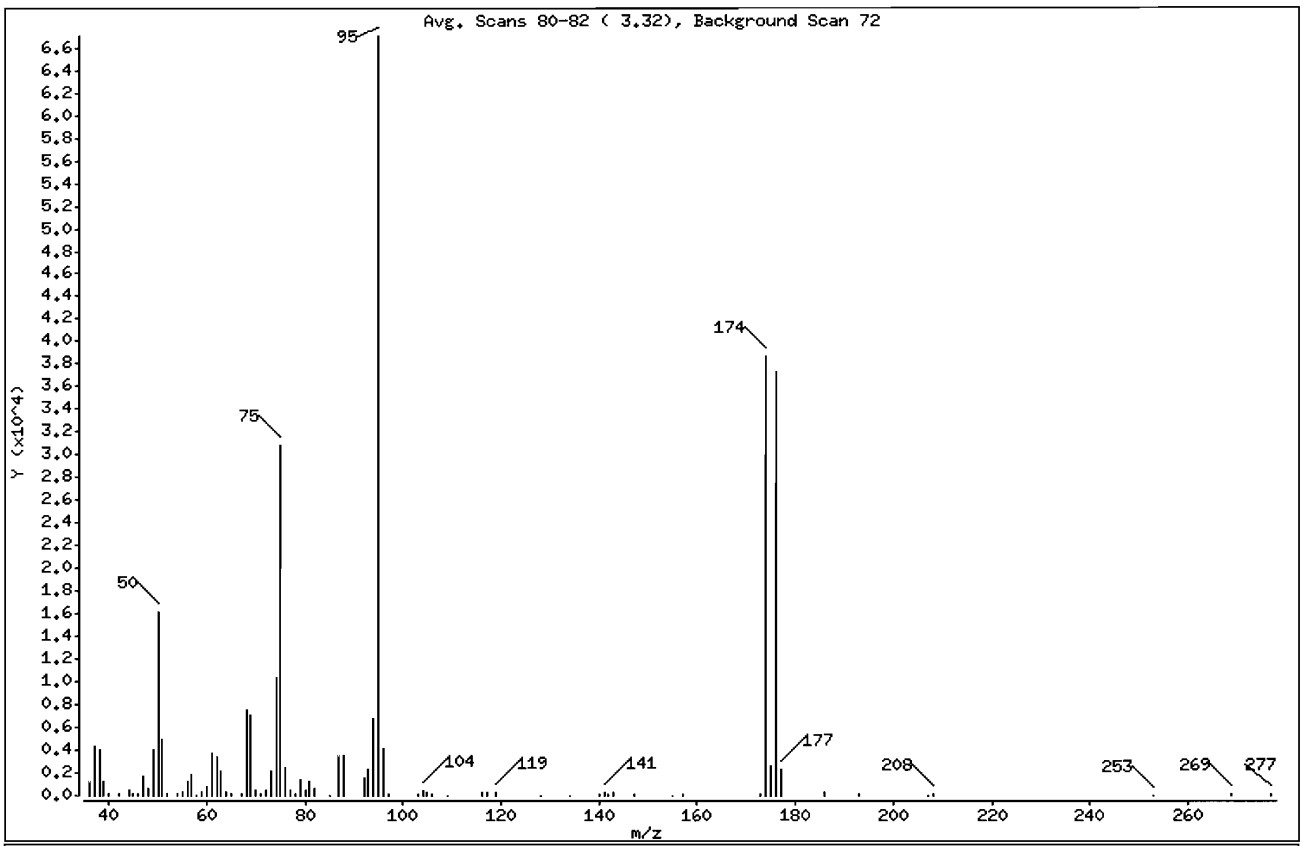
Volume Injected (uL): 1.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

$ 1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.06
75	30.00 - 80.00% of mass 95	45.94
96	5.00 - 9.00% of mass 95	6.17
173	Less than 2.00% of mass 174	0.32 (0.55)
174	50.00 - 120.00% of mass 95	57.80
175	5.00 - 9.00% of mass 174	3.92 (6.78)
176	95.00 - 101.00% of mass 174	55.63 (96.25)
177	5.00 - 9.00% of mass 176	3.40 (6.12)

Data File: /chem/M.i/Msvr.p/maoasmtr.b/mao02pv.d

Date : 19-JAN-2010 08:34

Client ID: BFBMD

Instrument: M.i

Sample Info: 50ng BFB

Volume Injected (uL): 1.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Data File: mao02pv.d

Spectrum: Avg. Scans 80-82 (3.32), Background Scan 72

Location of Maximum: 95.00

Number of points: 81

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1027	60.00	717	82.00	574	141.00	338
37.00	4285	61.00	3638	85.00	72	142.00	221
38.00	4077	62.00	3401	87.00	3324	143.00	284
39.00	1229	63.00	2228	88.00	3493	147.00	82
40.00	84	64.00	333	92.00	1468	155.00	67
42.00	122	65.00	92	93.00	2325	157.00	112
44.00	391	67.00	199	94.00	6763	173.00	214
45.00	165	68.00	7513	95.00	67032	174.00	38744
46.00	229	69.00	7092	96.00	4137	175.00	2627
47.00	1702	70.00	423	97.00	170	176.00	37288
48.00	552	71.00	85	103.00	88	177.00	2282
49.00	3942	72.00	491	104.00	403	186.00	234
50.00	16129	73.00	2207	105.00	286	193.00	109
51.00	4892	74.00	10315	106.00	216	207.00	62
52.00	209	75.00	30792	109.00	67	208.00	88
54.00	181	76.00	2530	116.00	283	253.00	68
55.00	349	77.00	393	117.00	252	269.00	84
56.00	1156	78.00	124	119.00	257	277.00	86
57.00	1898	79.00	1429	128.00	65		
58.00	49	80.00	431	134.00	73		
59.00	248	81.00	1256	140.00	80		

Data File: /chem/M.i/Msvr.p/maoasmtr.b/mao02pv.d

Date : 19-JAN-2010 08:34

Client ID: BFBHD

Instrument: M.i

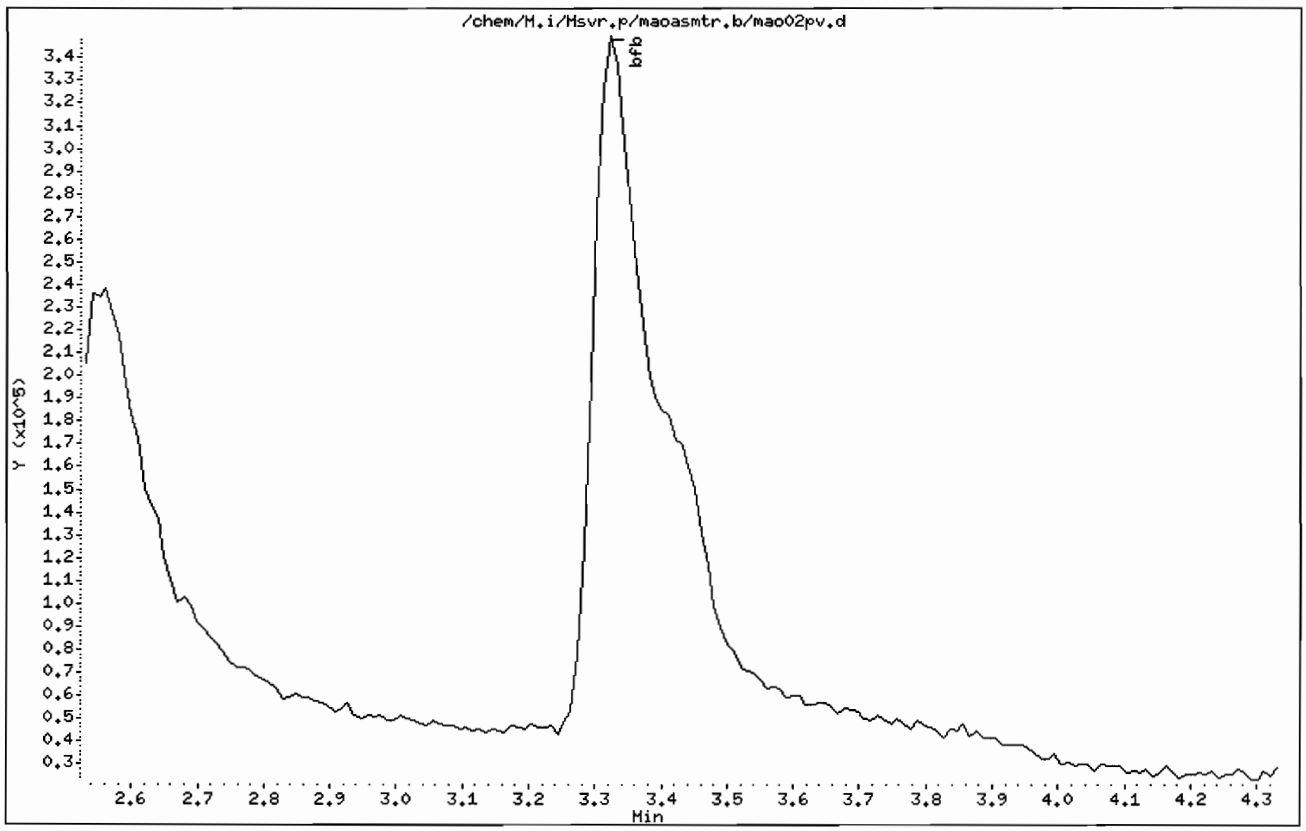
Sample Info: 50ng BFB

Volume Injected (uL): 1.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/M.i/Msvr.p/maobsmtr.b/mao03pv.d

Date : 21-JAN-2010 17:09

Client ID: BFBMH

Instrument: M.i

Sample Info: 50ng BFB

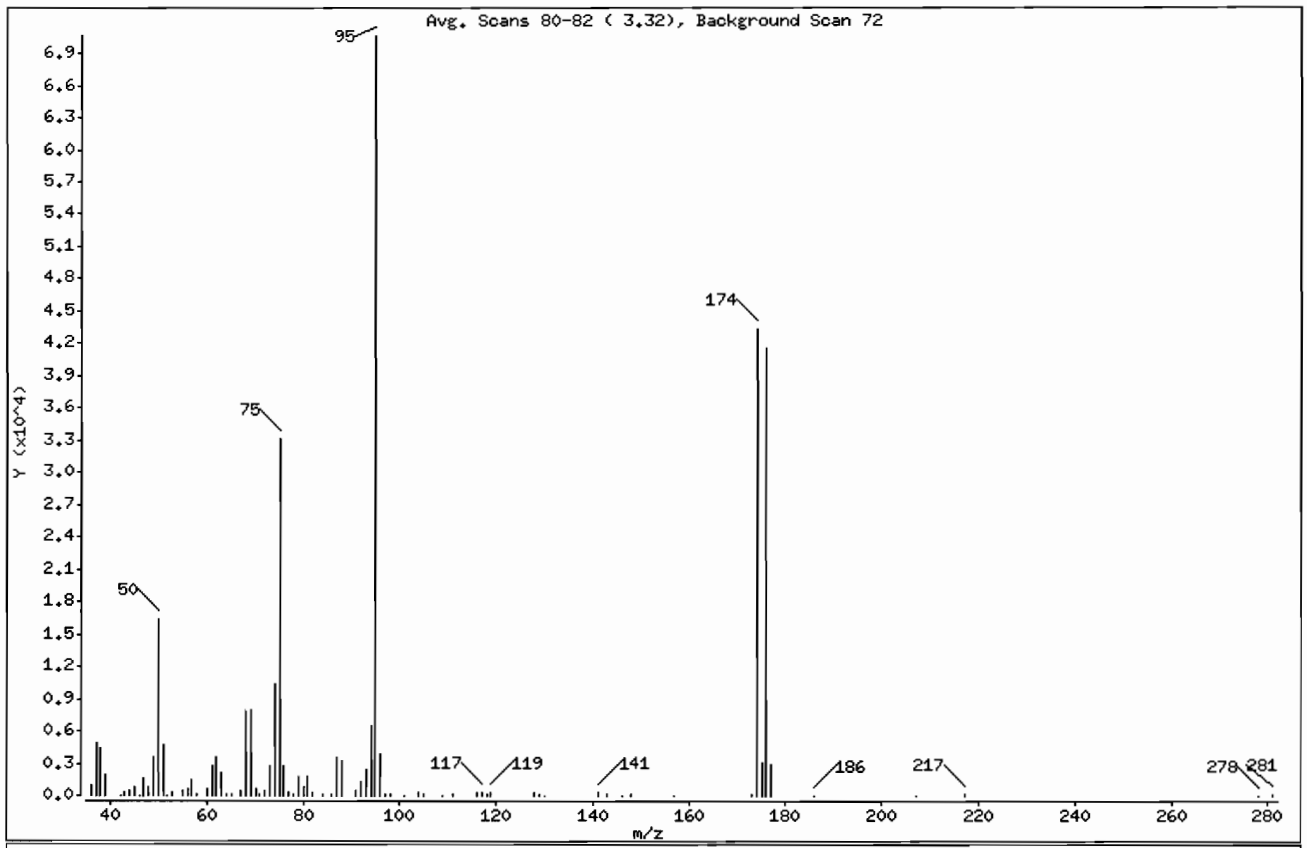
Volume Injected (uL): 1.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

$ 1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.30
75	30.00 - 80.00% of mass 95	46.79
96	5.00 - 9.00% of mass 95	5.60
173	Less than 2.00% of mass 174	0.33 (0.54)
174	50.00 - 120.00% of mass 95	61.33
175	5.00 - 9.00% of mass 174	4.29 (6.99)
176	95.00 - 101.00% of mass 174	58.89 (96.02)
177	5.00 - 9.00% of mass 176	4.03 (6.85)

Data File: /chem/M.i/Msvr.p/maobsmtr.b/mao03pv.d

Date : 21-JAN-2010 17:09

Client ID: BFBMH

Instrument: M.i

Sample Info: 50ng BFB

Volume Injected (uL): 1.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Data File: mao03pv.d

Spectrum: Avg. Scans 80-82 (3.32), Background Scan 72

Location of Maximum: 95.00

Number of points: 81

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1038	61.00	2750	84.00	214	128.00	313
37.00	4856	62.00	3502	86.00	208	129.00	101
38.00	4360	63.00	2166	87.00	3516	130.00	72
39.00	1956	64.00	219	88.00	3175	141.00	256
42.00	8	65.00	212	91.00	483	143.00	186
43.00	354	67.00	417	92.00	1276	146.00	73
44.00	449	68.00	7859	93.00	2494	148.00	222
45.00	854	69.00	7884	94.00	6431	157.00	79
46.00	79	70.00	619	95.00	70640	173.00	234
47.00	1623	71.00	103	96.00	3958	174.00	43320
48.00	734	72.00	450	97.00	142	175.00	3029
49.00	3494	73.00	2713	98.00	141	176.00	41592
50.00	16456	74.00	10394	101.00	68	177.00	2849
51.00	4744	75.00	33048	104.00	278	186.00	76
52.00	66	76.00	2802	105.00	144	207.00	13
53.00	294	77.00	293	109.00	80	217.00	83
55.00	431	78.00	192	111.00	93	278.00	75
56.00	716	79.00	1549	116.00	264	281.00	95
57.00	1456	80.00	777	117.00	369		
58.00	202	81.00	1724	118.00	88		
60.00	671	82.00	331	119.00	345		

Data File: /chem/M.i/Msvr.p/maobsmtr.b/mao03pv.d

Page 1

Date : 21-JAN-2010 17:09

Client ID: BFBMH

Instrument: M.i

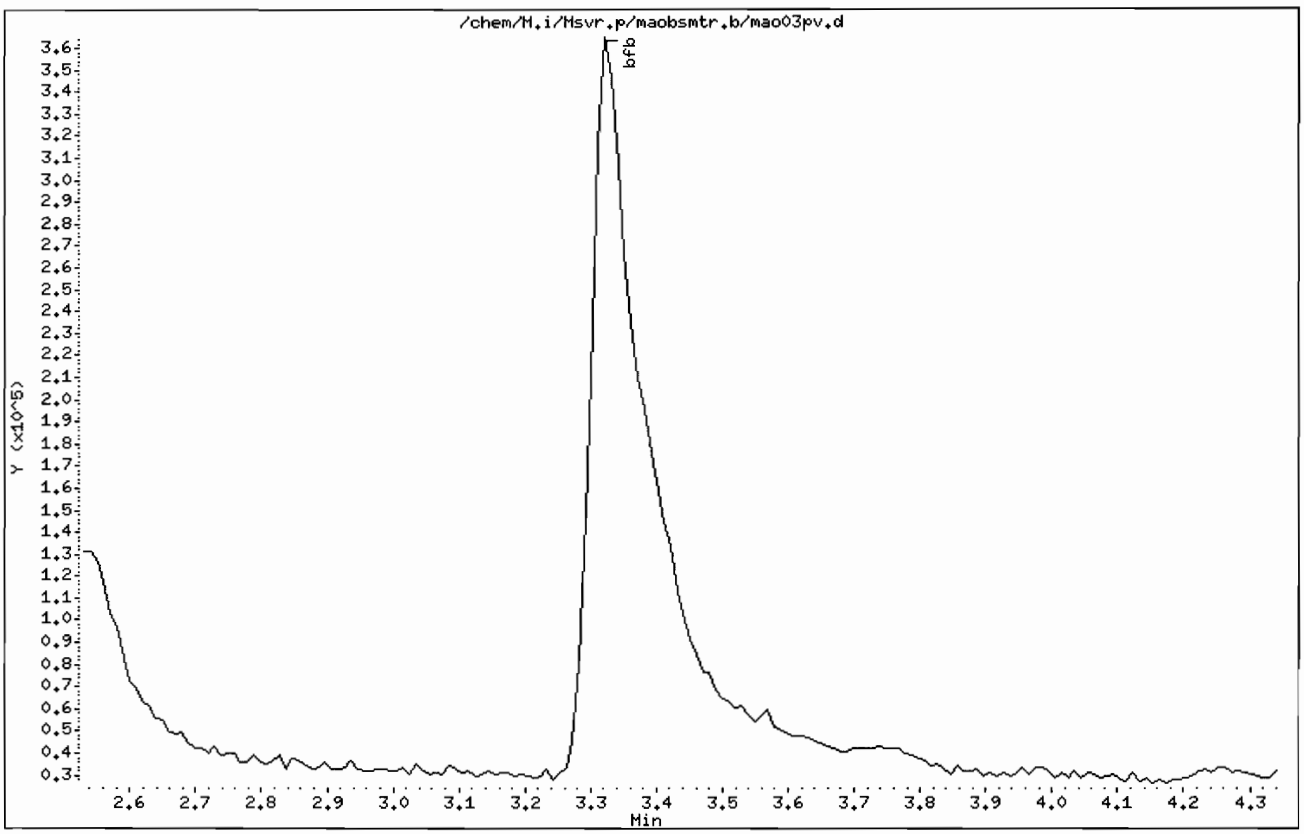
Sample Info: 50ng BFB

Volume Injected (uL): 1.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/M.i/Msvr.p/maocsmtr.b/mao04pv.d

Date : 22-JAN-2010 08:05

Client ID: BFBMI

Instrument: M.i

Sample Info: 50NG BFB

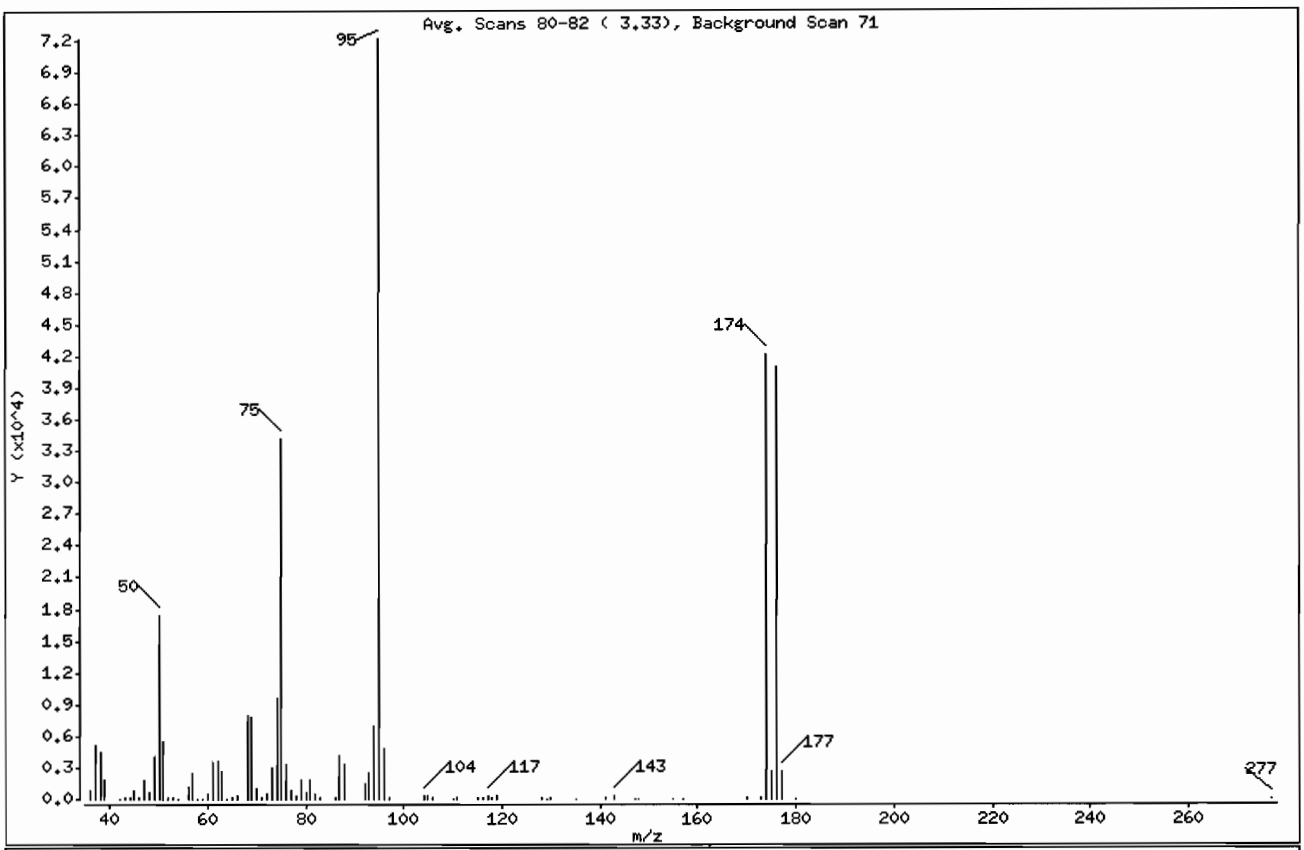
Volume Injected (uL): 1.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

$ 1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.25
75	30.00 - 80.00% of mass 95	47.29
96	5.00 - 9.00% of mass 95	6.57
173	Less than 2.00% of mass 174	0.15 (0.25)
174	50.00 - 120.00% of mass 95	58.31
175	5.00 - 9.00% of mass 174	3.65 (6.25)
176	95.00 - 101.00% of mass 174	56.74 (97.30)
177	5.00 - 9.00% of mass 176	3.76 (6.63)

Data File: /chem/M.i/Msvr.p/maocsmtr.b/mao04pv.d

Date : 22-JAN-2010 08:05

Client ID: BFBMI

Instrument: M.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Data File: mao04pv.d

Spectrum: Avg. Scans 80-82 (3.33), Background Scan 71

Location of Maximum: 95.00

Number of points: 81

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	903	60.00	551	82.00	440	128.00	226
37.00	5117	61.00	3477	83.00	94	129.00	73
38.00	4407	62.00	3693	86.00	94	130.00	191
39.00	1762	63.00	2627	87.00	4186	135.00	69
42.00	74	64.00	74	88.00	3367	141.00	176
43.00	234	65.00	125	92.00	1558	143.00	400
44.00	164	66.00	346	93.00	2533	147.00	73
45.00	907	68.00	7933	94.00	6988	148.00	81
46.00	177	69.00	7800	95.00	72176	155.00	75
47.00	1759	70.00	961	96.00	4744	157.00	68
48.00	625	71.00	138	97.00	153	170.00	95
49.00	3932	72.00	498	104.00	352	173.00	106
50.00	17504	73.00	2915	105.00	283	174.00	42088
51.00	5509	74.00	9650	106.00	185	175.00	2632
52.00	228	75.00	34136	110.00	70	176.00	40952
53.00	194	76.00	3392	111.00	148	177.00	2717
54.00	76	77.00	757	115.00	121	180.00	73
56.00	1192	78.00	386	116.00	236	277.00	69
57.00	2413	79.00	1769	117.00	365		
58.00	79	80.00	653	118.00	146		
59.00	9	81.00	1882	119.00	322		

Data File: /chem/M.i/Msvr.p/maocsmtr.b/mao04pv.d

Page 1

Date : 22-JAN-2010 08:05

Client ID: BFBMI

Instrument: M.i

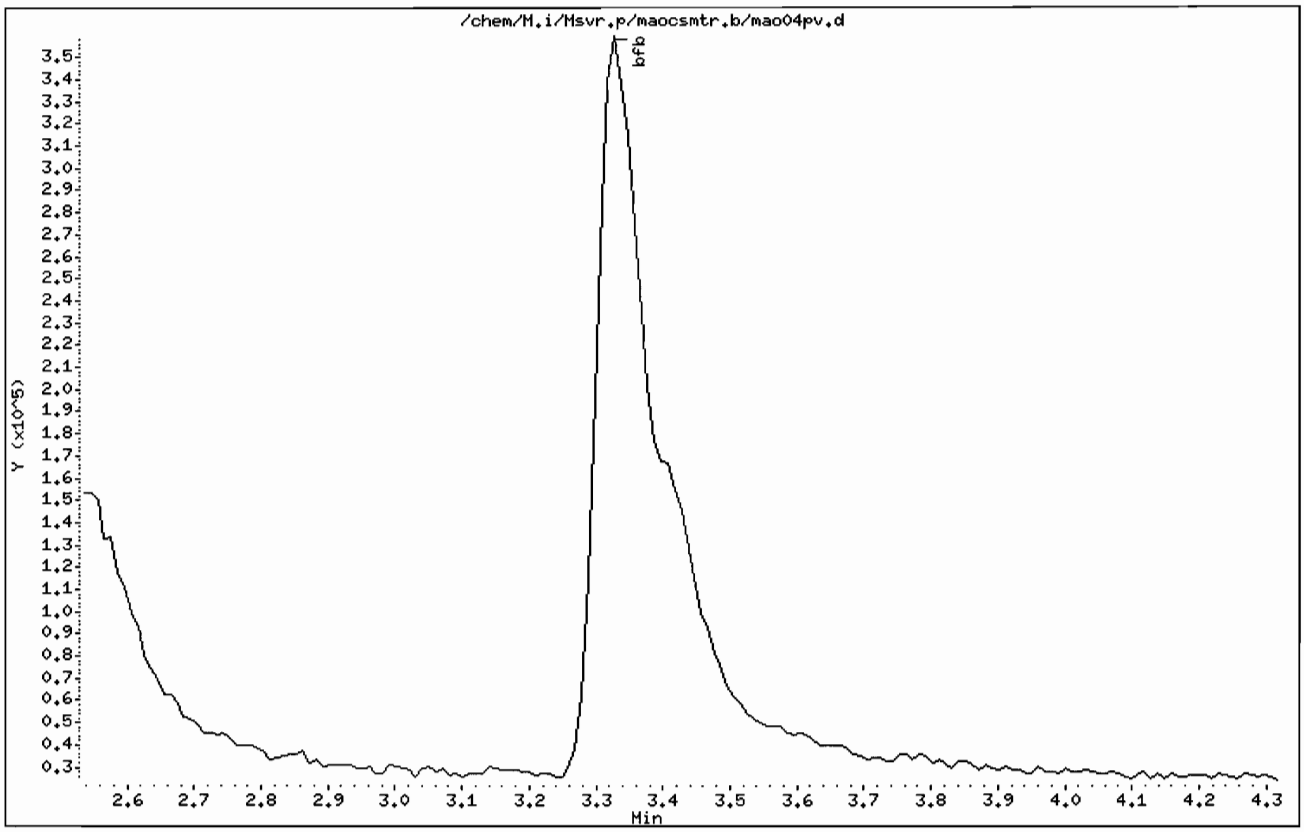
Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKMD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKMD

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MAOB03A

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKMD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKMD

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MAOB03A

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VBLKMD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKMD

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MAOB03A

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 01/19/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.46	3.6	JX
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

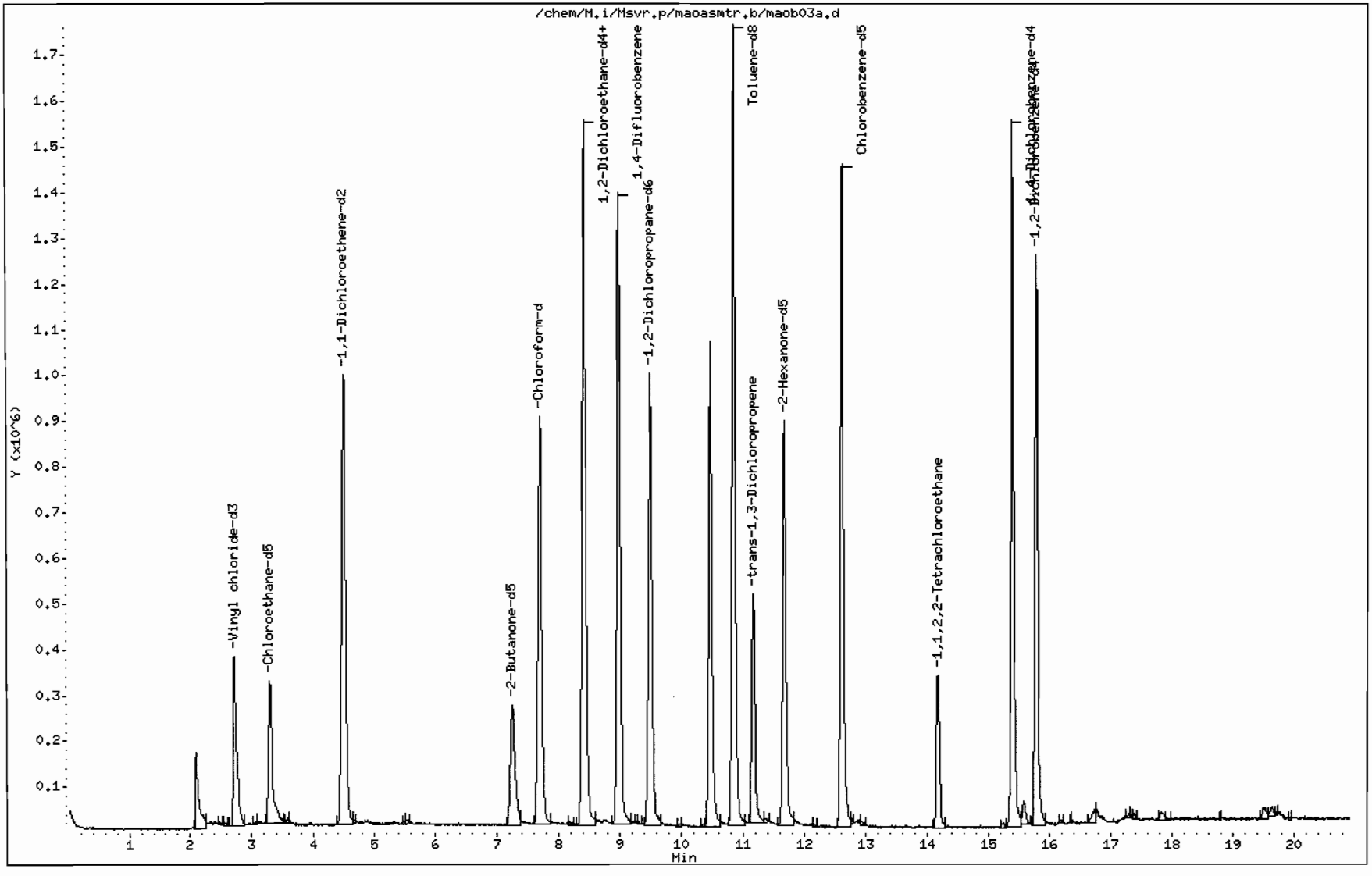
(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/M.i/Msvr.p/maoasmtr.b/maob03a.d
Date : 19-JAN-2010 10:37
Client ID: VBLKMD
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Page 5

Instrument: M.i
Operator: MRV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/maob03a.d
Lab Smp Id: VBLKMD Client Smp ID: VBLKMD
Inj Date : 19-JAN-2010 10:37
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VBLKMD,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 8 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	2.722	2.720	(0.303)	908079	4.84405	4.8
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	3.285	3.294	(0.366)	738157	5.01788	5.0
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	4.482	4.480	(0.500)	1720636	4.22620	4.2
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	Compound Not Detected.					
13	Carbon disulfide	76	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	7.231	7.229	(0.806)	715820	54.2393	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	7.686	7.684	(0.857)	1378304	5.08738	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	8.398	8.386	(0.936)	423779	4.92553	4.9(Q)
$	29 Benzene-d6	84	8.407	8.396	(0.667)	2105438	5.06969	5.1
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	8.971	8.960	(1.000)	2006716	5.00000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.495	9.484	(0.753)	990451	4.70477	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	10.830	10.829	(0.859)	2179924	5.06020	5.1
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	11.156	11.145	(0.885)	526579	5.08509	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	11.661	11.649	(0.925)	734214	52.5236	53
	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	12.610	12.599	(1.000)	1497329	5.00000	
	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	14.172	14.161	(1.124)	375549	5.09499	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	15.389	15.387	(1.000)	696515	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	15.784	15.783	(1.026)	532306	4.98049	5.0
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/M.i/Msvr.p/maoasmtr.b/maob03a.d
Lab Smp Id: VBLKMD Client Smp ID: VBLKMD
Inj Date : 19-JAN-2010 10:37
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VBLKMD,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:29 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 8 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	8.971	5274570	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown			CAS #:				
10.464	3808041	3.60981101	3.6	0		0	32

Data File: /chem/M.i/Msvr.p/maoasmtr.b/maob03a.d

Date : 19-JAN-2010 10:37

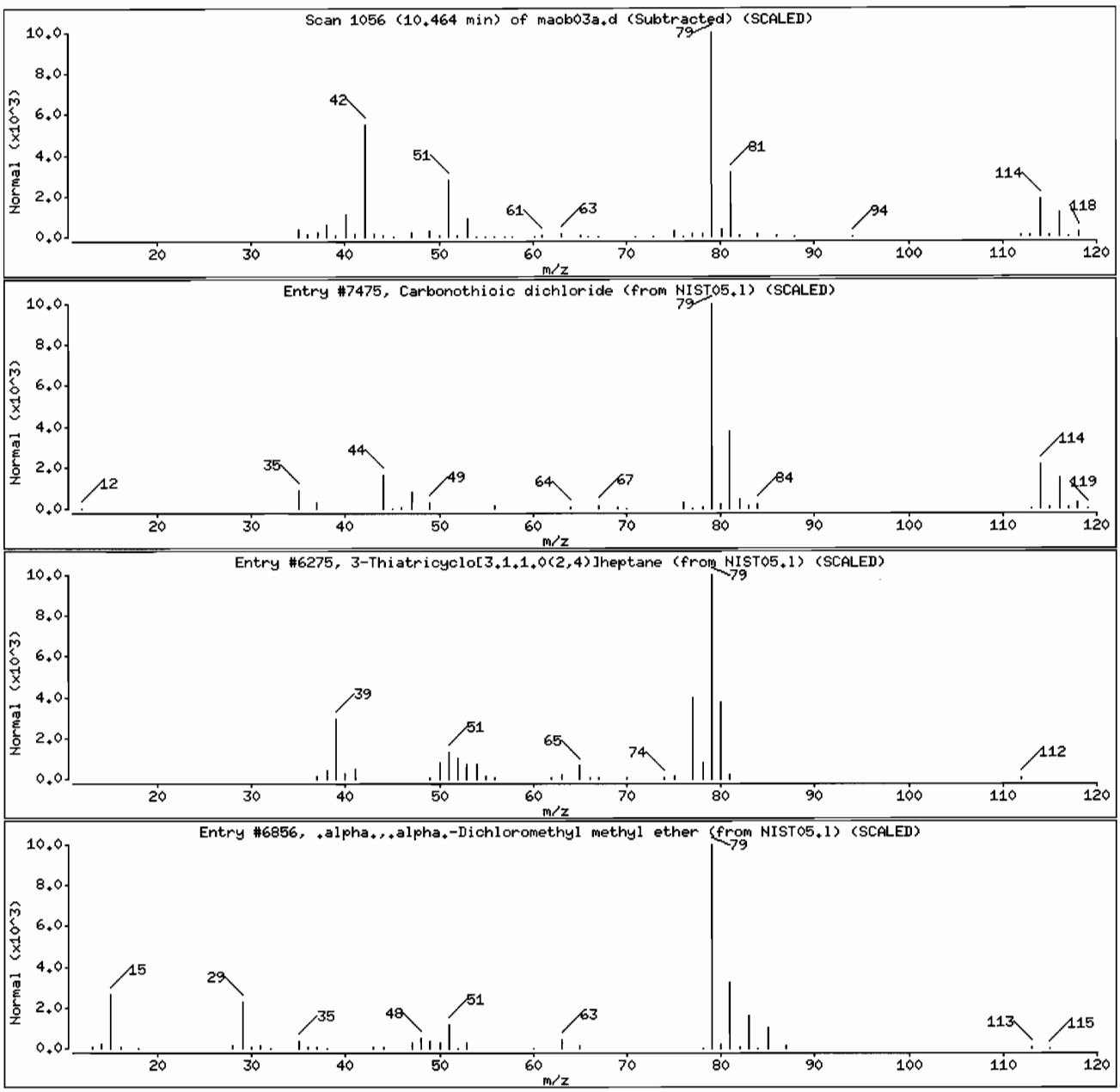
Client ID: VBLKMD Instrument: M.i

Sample Info:

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

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)]heptane	1000221-37-0	NIST05.1	6275	32	C6H8S	112
.alpha.,.alpha.-Dichloromethyl methyl et	4885-02-3	NIST05.1	6856	25	C2H4Cl2O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKMH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKMH

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MAOB04B

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 01/21/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKMH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKMH

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MAOB04B

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 01/21/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VBLKMH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKMH

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MAOB04B

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 01/21/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

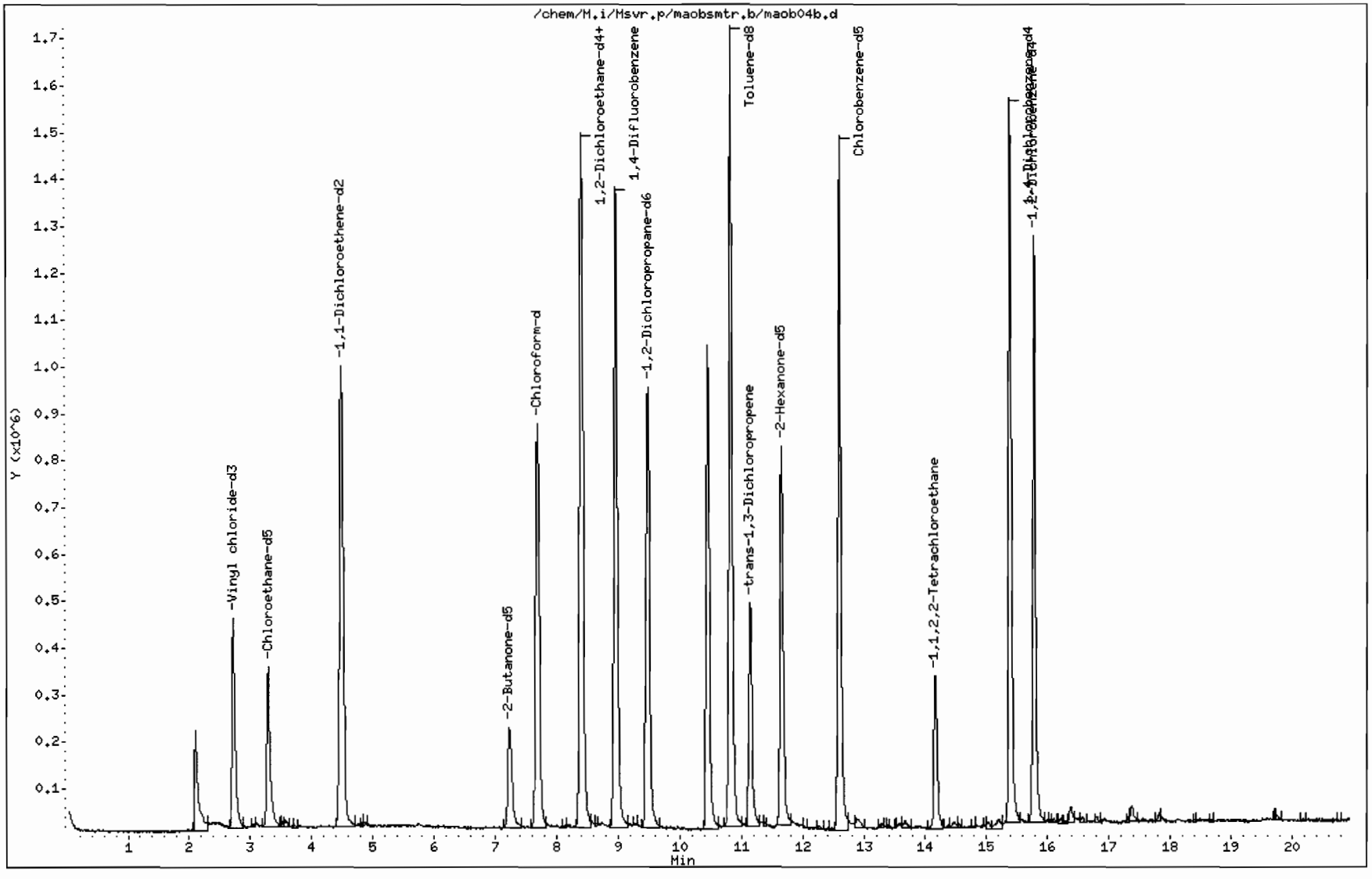
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.45	3.4	JX
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/M.i/Msvr.p/maobsmtr.b/maob04b.d
Date : 21-JAN-2010 19:42
Client ID: VBLKMH
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maobsmtr.b/maob04b.d
Lab Smp Id: VBLKMH Client Smp ID: VBLKMH
Inj Date : 21-JAN-2010 19:42
Operator : JP1 Inst ID: M.i
Smp Info :
Misc Info : VBLKMH,012110MH,1,5
Comment :
Method : /chem/M.i/Msvr.p/maobsmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:10 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 3 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	2.721	2.721	(0.304)	898112	4.56896	4.6
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	3.295	3.295	(0.368)	755703	4.89919	4.9
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	4.481	4.491	(0.500)	1720909	4.03107	4.0
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	Compound Not Detected.					
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	7.230	7.230	(0.807)	629870	45.5158	46
	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	7.685	7.685	(0.858)	1358472	4.78191	4.8 (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	8.397	8.387	(0.937)	411803	4.56461	4.6 (Q)
$	29 Benzene-d6	84	8.407	8.407	(0.667)	2099192	4.79647	4.8
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	8.961	8.961	(1.000)	2104188	5.00000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.485	9.485	(0.753)	981837	4.42564	4.4
	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	10.829	10.830	(0.860)	2173873	4.78841	4.8
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	11.146	11.156	(0.885)	511865	4.69052	4.7
	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	11.650	11.660	(0.925)	724013	49.1483	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	12.599	12.609	(1.000)	1577926	5.00000	
	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	14.152	14.172	(1.123)	373496	4.80832	4.8
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	15.378	15.398	(1.000)	728604	5.00000	(Q)
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	15.774	15.793	(1.026)	551819	4.93567	4.9
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/M.i/Msvr.p/maobsmtr.b/maob04b.d
Lab Smp Id: VBLKMH Client Smp ID: VBLKMH
Inj Date : 21-JAN-2010 19:42
Operator : JP1 Inst ID: M.i
Smp Info :
Misc Info : VBLKMH,012110MH,1,5
Comment :
Method : /chem/M.i/Msvr.p/maobsmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:10 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 3 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	8.961	5299298	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
10.454	3646171	3.44023925	3.4	0		0	32

Data File: /chem/M.i/Msvr.p/maobsmtr.b/maob04b.d

Date : 21-JAN-2010 19:42

Client ID: VBLKMH

Instrument: M.i

Sample Info:

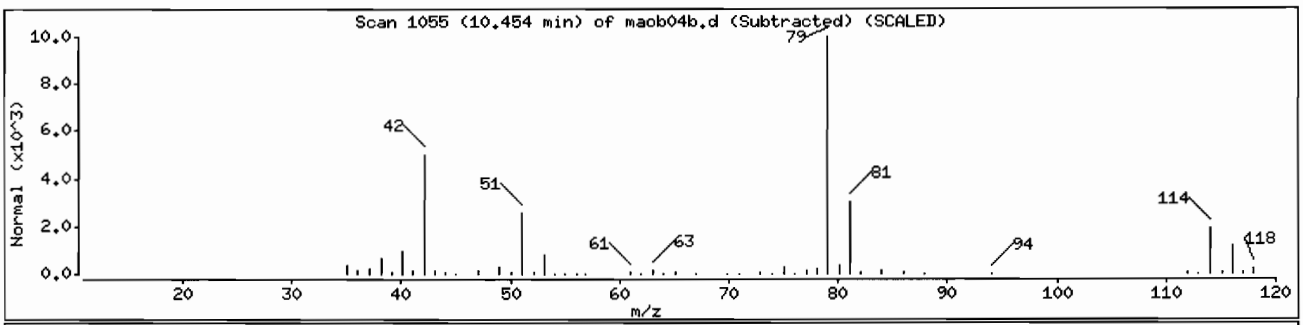
Purge Volume: 25.0

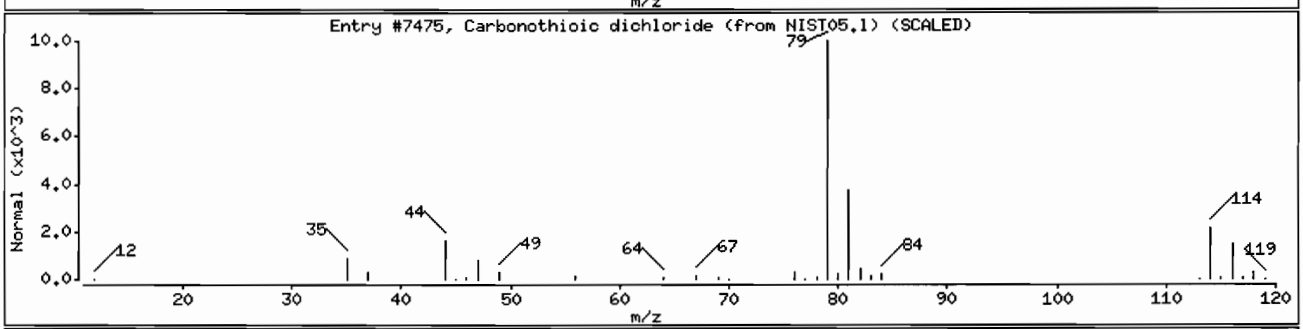
Operator: JP1

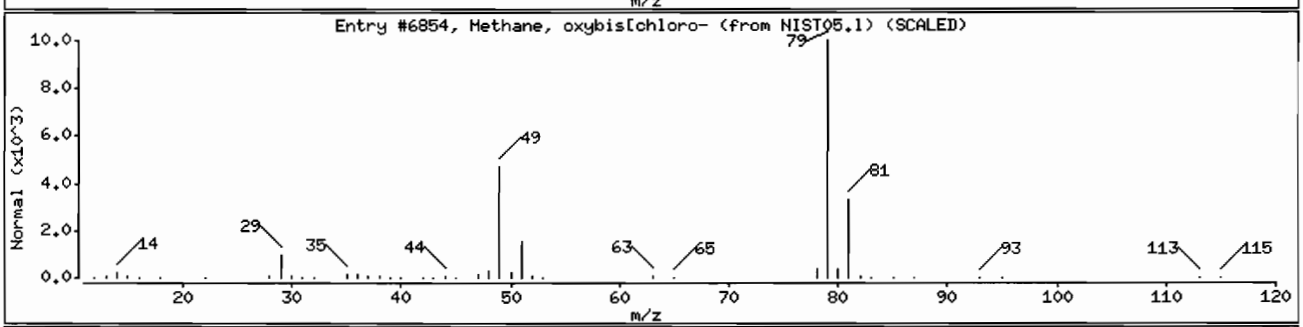
Column phase: DB-624

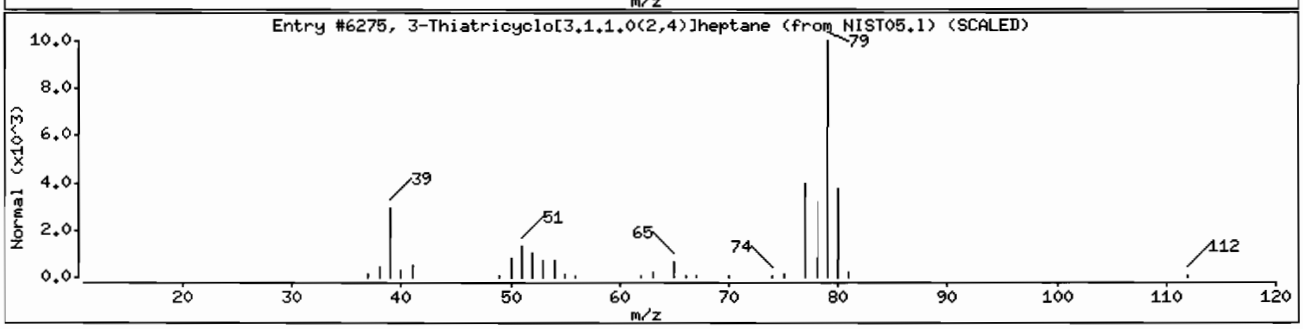
Column diameter: 0.53

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)]heptane	1000221-37-0	NIST05.1	6275	32	C6H8S	112









1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKMI

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKMI

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MAOB03C

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 01/22/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKMI

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKMI

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MAOB03C

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 01/22/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VBLKMI

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKMI

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: MAOB03C

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 01/22/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

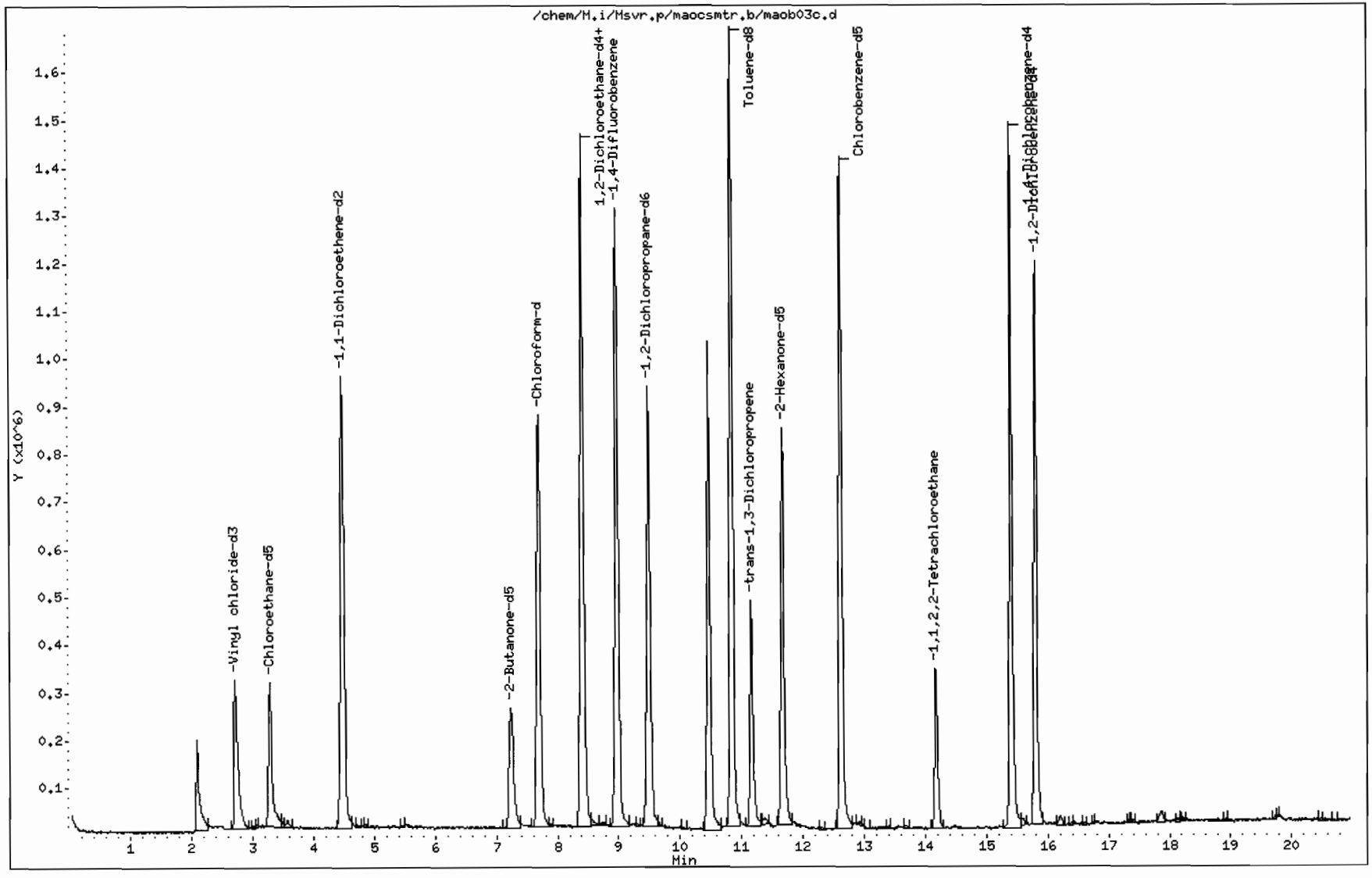
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.46	3.7	JX
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/M.i/Msvr.p/maocsmtr.b/maob03c.d
Date : 22-JAN-2010 10:06
Client ID: VBLKMI
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: MRV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maocsmtr.b/maob03c.d
Lab Smp Id: VBLKMI Client Smp ID: VBLKMI
Inj Date : 22-JAN-2010 10:06
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VBLKMI,012210MI,1,5
Comment :
Method : /chem/M.i/Msvr.p/maocsmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:22 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 8 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	2.717	2.731	(0.303)	855820	4.78260	4.8
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	3.280	3.295	(0.366)	702028	4.99946	5.0
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	4.477	4.491	(0.499)	1643816	4.22972	4.2
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	Compound Not Detected.					
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
	15 Methylene chloride	84	Compound Not Detected.						
	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	7.226	7.240	(0.806)	681063	54.0622	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	7.691	7.695	(0.858)	1320362	5.10551	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	8.393	8.397	(0.936)	394022	4.79767	4.8	(Q)
$	29 Benzene-d6	84	8.412	8.417	(0.667)	2014275	4.96337	5.0	
	30 Benzene	78	Compound Not Detected.						
	31 1,2-Dichloroethane	62	Compound Not Detected.						
*	32 1,4-Difluorobenzene	114	8.966	8.971	(1.000)	1915531	5.00000		
	33 Trichloroethene	95	Compound Not Detected.						
$	34 1,2-Dichloropropane-d6	67	9.490	9.485	(0.752)	941287	4.57558	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	10.835	10.820	(0.859)	2057047	4.88640	4.9	
	41 Toluene	91	Compound Not Detected.						
$	42 trans-1,3-Dichloropropene-d4	79	11.161	11.146	(0.885)	497669	4.91806	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	11.666	11.660	(0.925)	705317	51.6338	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	12.615	12.639	(1.000)	1463183	5.00000		
	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	14.167	14.241	(1.123)	363427	5.04560	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	15.394	15.467	(1.000)	689861	5.00000		(Q)
	62 1,4-Dichlorobenzene	146	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	15.799	15.873	(1.026)	520009	4.91236	4.9
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/M.i/Msvr.p/maocsmtr.b/maob03c.d
Lab Smp Id: VBLKMI Client Smp ID: VBLKMI
Inj Date : 22-JAN-2010 10:06
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VBLKMI,012210MI,1,5
Comment :
Method : /chem/M.i/Msvr.p/maocsmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:22 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 8 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	8.966	5002253	5.000

	CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.459	3700550	3.69888279	3.7	0		0	32

Data File: /chem/M.i/Msvr.p/maocsmtr.b/maob03c.d

Date : 22-JAN-2010 10:06

Client ID: VBLKMI

Instrument: M.i

Sample Info:

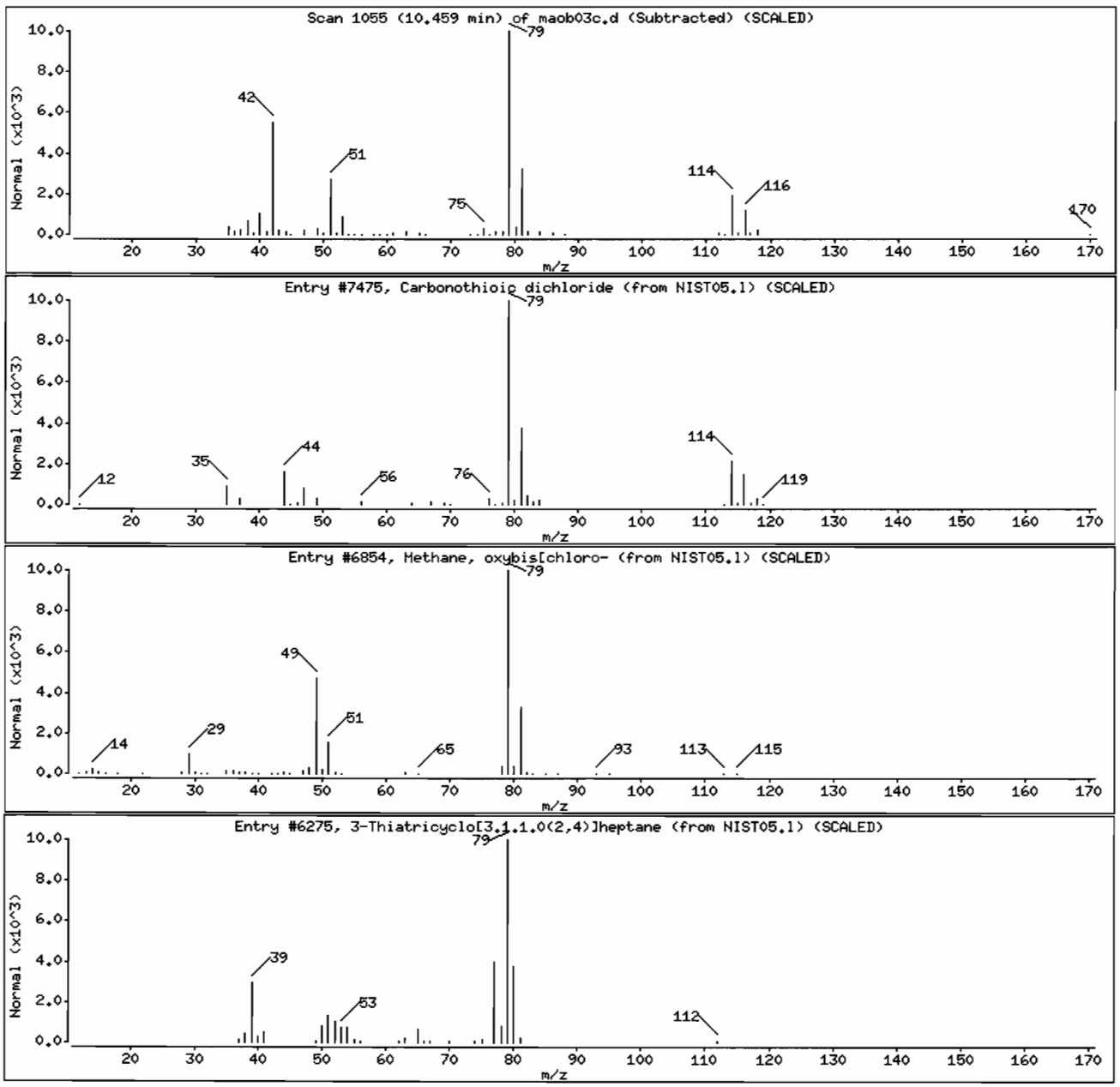
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	49	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C6H8S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VHBLK01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817825

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817825

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 01/22/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VHBLK01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817825

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817825

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 01/22/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VHBLK01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135484

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 817825

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 817825

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 01/22/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

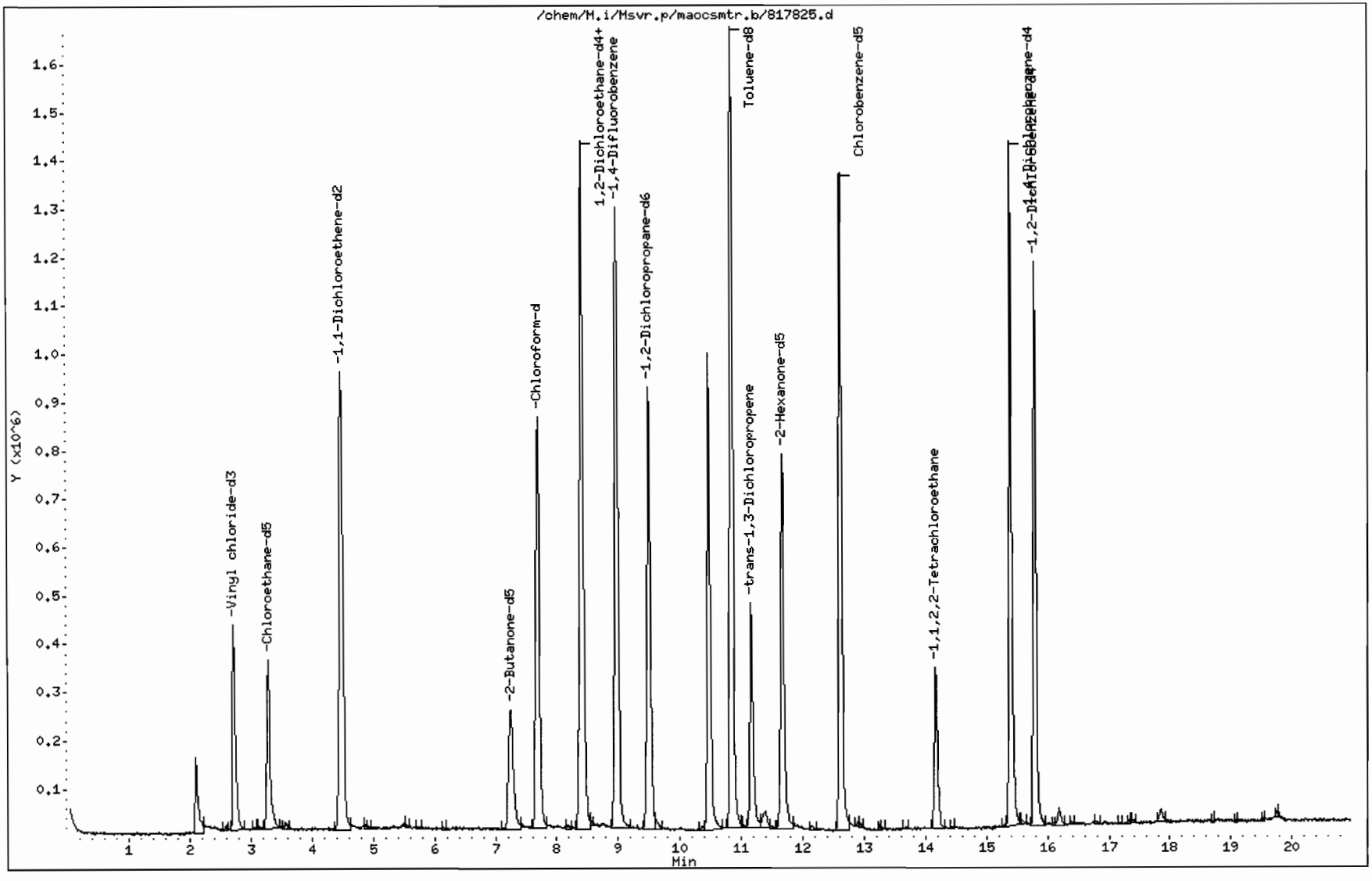
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	10.47	3.6	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/M.i/Msvr.p/maocsmtr.b/817825.d
Date : 22-JAN-2010 10:50
Client ID: VHBLK01
Sample Info: VHBLK01 :[ ]01/16/10 @1145(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: MRV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maocsmtr.b/817825.d
Lab Smp Id: 817825 Client Smp ID: VHBLK01
Inj Date : 22-JAN-2010 10:50
Operator : MRV Inst ID: M.i
Smp Info : VHBLK01 :[ ]01/16/10 @1145(WATER)
Misc Info : 817825,012210MI,1,5
Comment :
Method : /chem/M.i/Msvr.p/maocsmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:22 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	2.717	2.731	(0.303)	874395	4.86966	4.9
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	3.281	3.295	(0.366)	712784	5.05866	5.1
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	4.478	4.491	(0.499)	1641372	4.20895	4.2
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	Compound Not Detected.					
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	7.236	7.240	(0.806)	615631	48.7008	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	7.691	7.695	(0.857)	1309751	5.04712	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	8.403	8.397	(0.936)	388235	4.71100	4.7(Q)
$	29 Benzene-d6	84	8.413	8.417	(0.667)	1994776	5.02143	5.0
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	8.977	8.971	(1.000)	1922119	5.00000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	9.491	9.485	(0.752)	914882	4.54323	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	10.846	10.820	(0.860)	2067192	5.01651	5.0
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	11.162	11.146	(0.885)	481056	4.85652	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	11.666	11.660	(0.925)	634268	47.4350	47
	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	12.616	12.639	(1.000)	1432263	5.00000	
	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	14.168	14.241	(1.123)	331366	4.69980	4.7
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	15.394	15.467	(1.000)	653953	5.00000	(Q)
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	15.790	15.873	(1.026)	504877	5.03130	5.0
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/M.i/Msvr.p/maocsmtr.b/817825.d
Lab Smp Id: 817825 Client Smp ID: VHBLK01
Inj Date : 22-JAN-2010 10:50
Operator : MRV Inst ID: M.i
Smp Info : VHBLK01 :[ ]01/16/10 @1145(WATER)
Misc Info : 817825,012210MI,1,5
Comment :
Method : /chem/M.i/Msvr.p/maocsmtr.b/somtr4.m
Meth Date : 25-Jan-2010 11:22 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	8.977	4948054	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.470	3536195	3.57331860	3.6	0		0	32

Data File: /chem/M.i/Msvr.p/maocsmtr.b/817825.d

Date : 22-JAN-2010 10:50

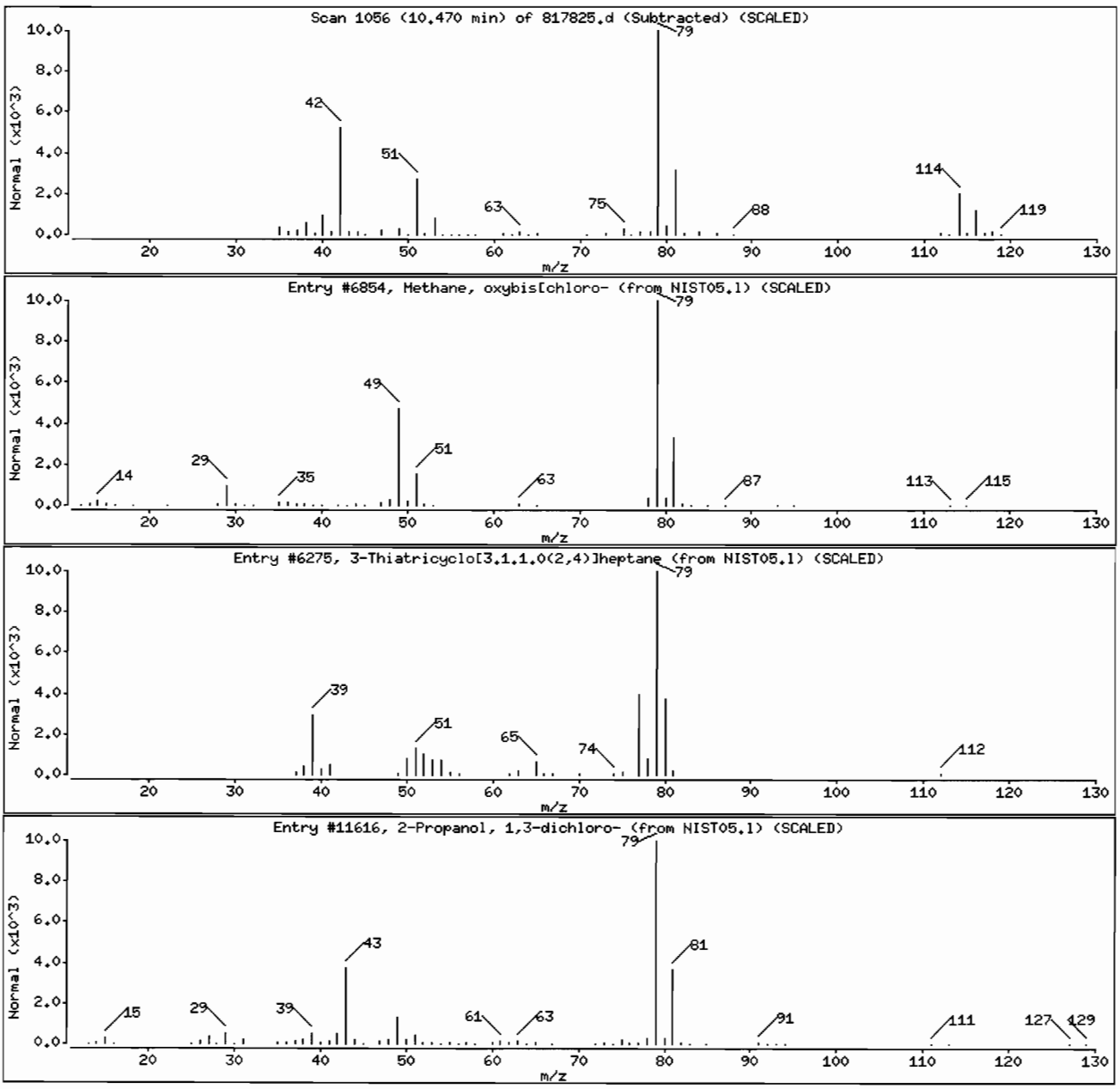
Client ID: VHBLK01 Instrument: M.i

Sample Info: VHBLK01 :[J01/16/10 @1145(WATER)

Purge Volume: 25.0 Operator: MRV

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C6H8S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	23	C3H6Cl2O	128



Sample Preparation – SOM01.2 Volatiles – Trace

TestAmerica Burlington - Manual Integration Summary
SDG: 135484 Fraction: Volatile

===== Instrument M - No Manual Integrations =====

JRD 01/25/10

Summary Generated: jd1 01/25/2010 11:39 Secondary Review(1): _____|_____ Secondary Review(2): _____|_____ Page 1

TestAmerica Burlington - Manual Integration Summary
SDG: maosmtr Fraction: Volatile

===== Instrument M - No Manual Integrations =====

JRD 01/20/10

GC/MS VOA INSTRUMENT RUN LOG

Sequence	Standard Traceability	Instrument Information	Instrument Performance Checks
Batch ID: MA05MTBL	BFB Lot# MW172109 01	Instrument: HP5971 Instrument ID: M	20% Tune STD ☐ RF Summary
Test Method: 5ym Trace	ISTD Lot #: MW010810 01	Column Type: Capillary	☐ Internal Standard Response
ICAL Date: 1/18/10	Surrogate Lot # MW122109 03	Purge Volume: ☐ 5 mL ☐ 10 mL ☑ 25 mL	☑ RT & Ratios Updated
Start Date: 1/18/10 Time: 1038	CAL STD Lot # MW122109 02		☐ Batch MS/MSD was not performed due to insufficient sample volume
End Date: 1/19/10 Time: 2238	LCS/MS Lot # MW 122109 04		

Sequence Information						Individual Sample Review				Comments
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	
1038	MA0 01BV	BFBMC	NA		M.N	NA	✓	✓	MSW	
1102	MA0B01	BLANK				NA				
1134	MA0005V	VS1D0.5MC								
1206	MA0 01V	VS1D001MC								
1237	MA0 05V	VS1D005MC								
1309	MA0 1V	VS1D010MC								
1340	MA0 20V	VS1D020MC								
1412	MA0 B02	BLANK								
1444	MA0B03	BLANK								
1529	MA0B04	VBLKMC								
1612	816980	35376	A2	100%				↑		Acetone or TPA
1644	816981	↓	1	↓		✓	✓			
1747	816974									
1819	816975									
	816976									return A/Sensor
	816977									↓
	816978									
	816979									
	MA0B05	VIBLKMO								
	816987									
	MA005C1	VS1D005CM								
	MA0 05C2	VS1D005C								
1715	MA0B06	VIBLKMP				✓	✓	✓	MSW	
									MSW	1/19/10

Legend: C=Complete ▪ R=Reanalyze ▪ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS VOA INSTRUMENT RUN LOG

Sequence	Standard Traceability	Instrument Information	Instrument Performance Checks
Batch ID: MA0A5M1L	BFB Lot# MV	Instrument: HP5971 Instrument ID: M	67K Tune STD ☐ RF Summary
Test Method: 5035 Water	ISTD Lot #: MV0108101	Column Type: Capillary	☑ Internal Standard Response
ICAL Date: 11/8/10	Surrogate Lot # MV0118102	Purge Volume: ☐ 5 mL ☐ 10 mL ☑ 25 mL	☐ RT & Ratios Updated
Start Date: 1/19/10 Time: 0834	CAL STD Lot # MV122109D		☐ Batch MS/MSD was not performed due to insufficient sample volume
End Date: 1/19/10 Time: 2034	LCS/MS Lot # MV122109D		

Sequence Information						Individual Sample Review				Comments
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	
0834	MA0 0 BV	BFBMD	NA		MRV	NA		✓	MRV	
0902	MA0 B01A	BLANK	NA			NA				
0934	MA0 05AV	VSTD005MD				✓	✓	✓		
1006	MA0 B02A	BLANK				NA				
1037	MA0 B03A	VBLKMD								
1124	816981D2	135376	A1	100%				↑		C R (IPA↑, acetone↑ 520ppb
1156	816976		A2			✓				C
1227	816977									C
1259	816978									C
1331	816979									C
1402	816975D2		A1					↑	↓	C R ACETONE↑ 450ppb
1434	816980D2		A1			✓	✓	✓	JPD	C
1506	MA0B04A	VBLKMC	NA			✓	✓	✓		C NOT NEEDED
1537	816987	135376		100%		✓	✓	✓		C
1609	817820	135484				✓	✓	✓		C IPA↑
1640	817821					✓	✓	✓		C
1712	817824					✓	✓	✓		C IPA↑
1744	817818					✓	✓	✓		C
1815	817819					✓	✓	✓		C
1847	817822					✓	✓	✓		C
1918	MA0B05A	BLANK							↓	
1950	MA0 05AC1	VSTD005DM				✓	✓	✓	JPI	good for closing NOT NEEDED
2021	MA0 05AC2	VSTD005DM								

JPD 01/20/10

Legend: C=Complete ▪ R=Reanalyze ▪ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS VOA INSTRUMENT RUN LOG

Sequence	Standard Traceability	Instrument Information	Instrument Performance Checks
Batch ID: MA0BSMTR	BFB Lot# MV12100901	Instrument: HP5971 Instrument ID: M	TK Tune STD ☒ ~~RF~~ Summary
Test Method: SOM TRACE	ISTD Lot #: MV0108100l	Column Type: Capillary	☒ ~~Internal~~ Standard Response
ICAL Date: 1/8/10	Surrogate Lot # MV0118100Z	Purge Volume: ☐ 5 mL ☐ 10 mL ☒ ~~25~~ mL	☒ ~~RT~~ & Ratios Updated
Start Date: 1/21/10 Time: 1709	CAL STD Lot # MV12210902		☐ Batch MS/MSD was not performed due to insufficient sample volume
End Date: 1/22/10 Time: 0509	LCS/MS Lot #		

Sequence Information						Individual Sample Review				Comments
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	
1709	MA003PV	BFB MH	NA	—	JP1	NA	—	✓	JP1	
1736	MA0B01B	BLANC				✓	✓	↑		
1808	MA0B02B	BLANK				✓	✓	✓		
1839	MA0005BV	VSTD005MH				✓	✓	✓		
1911	MA0B03B	BLANK				✓	✓	✓		
1942	MA0B04B	VBLKMH				✓	✓	✓		
2041	817817	135484	A2	100%		✓	✓	✓		
2113	817823	⊥	⊥	⊥		✓	✓	✓		
2145	MA0B05B	VIBLKMY	NA	—		✓	✓	✓	⊥	
2216	817481	135744	A2	100%		✓	✓	✓	CMP	
2248	817482		⊥	100%		✓	✓	✓		
2319	817483D		A2	2.6ml		✓	✓	✓		
2351	817484			100%		✓	✓	✓		
0022	817485D			3.6ml		✓	✓	✓		
0054	817486D			1 ml		✓	✓	✓		
0125	817487D			160 ml		✓	✓	✓		
0157	817488D			160 ml		✓	✓	✓		
0229	817489D	⊥	⊥	140 ml		✓	✓	✓		
0300	816975D2	135376	A3	11.7ml		✓	✓	✓		
0332	816976D2	⊥	⊥	10.2ml		✓	✓	✓		
0403	MA0B06B	BLANK	NA	—		✓	✓	✓		
0435	MA005BC1	VSTD005HM				✓	✓	✓		
0506	MA005BC2	VSTD005HM			⊥	✓	✓	✓	↓	

CMP 01/22/10

Legend: C=Complete ▪ R=Reanalyze ▪ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS VOA INSTRUMENT RUN LOG

Sequence	Standard Traceability	Instrument Information	Instrument Performance Checks
Batch ID: MA0C5MTR	BFB Lot# MV071010901	Instrument: HP5971 Instrument ID: M	☑ Tune STD ☐ RF Summary
Test Method: SOM TRACE	ISTD Lot #: MV012810C	Column Type: Capillary	☑ Internal Standard Response
ICAL Date: 1/18/10	Surrogate Lot # MV071810C2	Purge Volume: ☐ 5 mL ☐ 10 mL ☑ 25 mL	☑ RT & Ratios Updated
Start Date: 1/22/10 Time: 0805	CAL STD Lot # MV012210C1		☐ Batch MS/MSD was not performed due to insufficient sample volume
End Date: 1/22/10 Time: 2005	LCS/MS Lot #		

Sequence Information						Individual Sample Review				Comments
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	
0805	MA004BV	BFBMI	NA		MDV	NA		C	MDV	
0831	MA0B01C	BLANK	NA			NA	✓	✓		
0903	MA005CV	VSTD005MI					✓	✓		
0934	MA0B02C	BLANK				NA	✓	✓		
1006	MA0B03C	VBLKMC				✓	✓			
1050	817825	135484	A2	100%	MDV	✓	✓	✓		C
1102	817490D	135444	A2	2.6 mL	MDV	✓	✓	✓		C
1154	817491D	↓	A2	102 mL	↓	✓	✓	✓		C
1225	817492D		A2	40 mL		✓	✓	✓		C
1257	817493D		A2	37 mL		✓	✓	✓		C
1328	817494D		↓	3.6 mL		↑✓	✓	↑	JP1	R cis-1,2-DCE DO
1400	817495D		↓	48 mL		✓	✓	✓	↓	C
1431	817496D		↓	40 mL		↑	✓	✓	↓	C
1509	817486D2	↓	A2	11.8 mL	↓	✓	✓	✓	↓	C more conc
1541	MA0B04C	VBLKMC	NA		↓	✓	✓	✓	↓	
1612	817483	135444	A3	100%	↓	↑✓	✓	✓	↓	C more conc
1644	MA0B05C	VBLKMA	NA		↓	✓	✓	✓	↓	
1716	817485	135444	A3	100%	↓	✓	✓	✓	↓	C more conc
1747	MA0B06C	VBLKMB	NA		↓	✓	✓	✓	↓	
1819	817487D2	135444	A2	1.8 mL	↓	✓	✓	✓	↓	C more conc
1850	MA0B07C	VBLKMC	NA		↓	✓	✓	✓	↓	
1922	MA005CC1	VSTD005IM	NA		↓	✓	✓	✓	↓	OK FOR CLOSING
	MA005CC2	VSTD005IM	NA		↓				↓	NOT NEEDED

JP1 1/22/10

Legend: C=Complete ▪ R=Reanalyze ▪ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

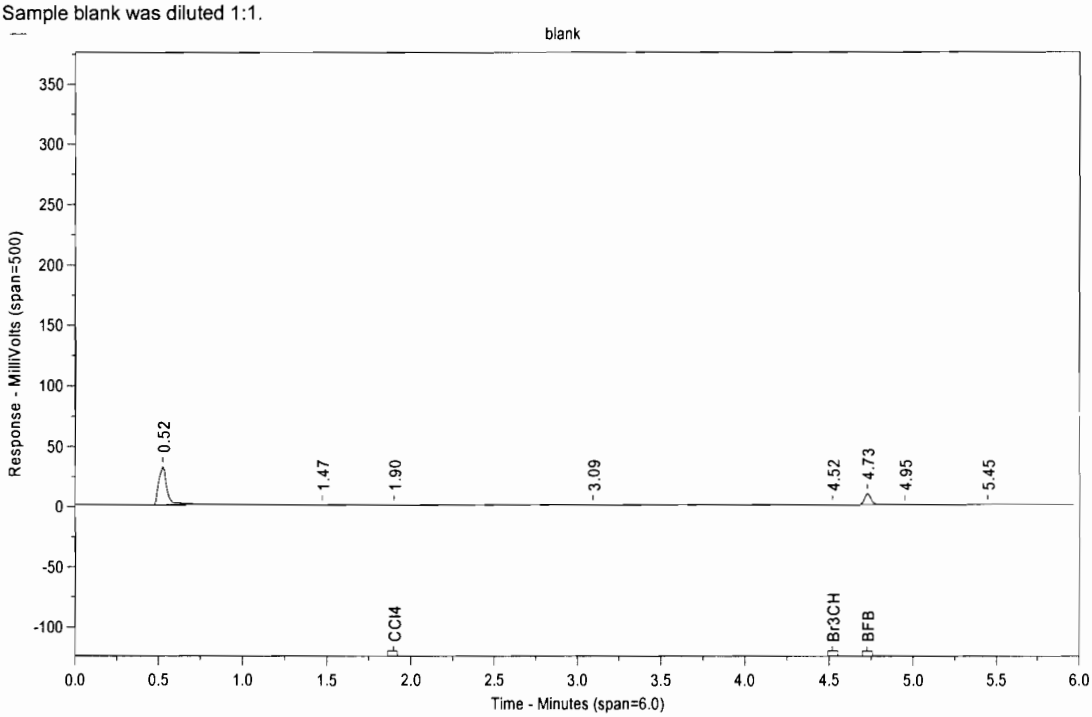
VOLATILE WATER SAMPLE PRESERVATION LOG

Date	Analyst	SDG	ETR	Lab ID	Bottle Code	pH (pH units)	Test Method	Hold Time[1] (days)
1/15/10	JHR	C03F0	135444	817481	A1	<2	SOM01.2 TR	1/24
				482				
				483				
				484				
				485				
				486				
				487				
				488				
				489				
				490				
				491				
				492				
				493				
				494				
				495				
				496				
				497				
1/15/10	JHR	135466	135466	817630	A1	<2	SOM01.2 TR	1/22
				631				
				632				
				633				
		J.J. 1-16-10 45		634				
1-16-10	J.J.	135471	135471	817678	A1	<2	SOM01.2 ANW	1-25
				679				
				681				
1-16-10	J.J.	135484	135484	817817	A1	<2	SOM01.2 TR	1-26
				818				
				819				
				820				
				821				
				822				
				823				
				824				
				824				

1 For test methods other than CLP, if pH is ≤ 2, hold time is 14 days from date of collection. If pH is > 2, the hold time is 7 days from date of collection. For CLP, hold time is 10 days from validated time of sample receipt (VTSR).

Sample Name: blank

Data File: C:\CPSpirit5\Data2\VoaE011610.0010.RAW
Acquired from Instrument 1 on 1/16/10 5:11:12 PM by
Sample blank was diluted 1:1.

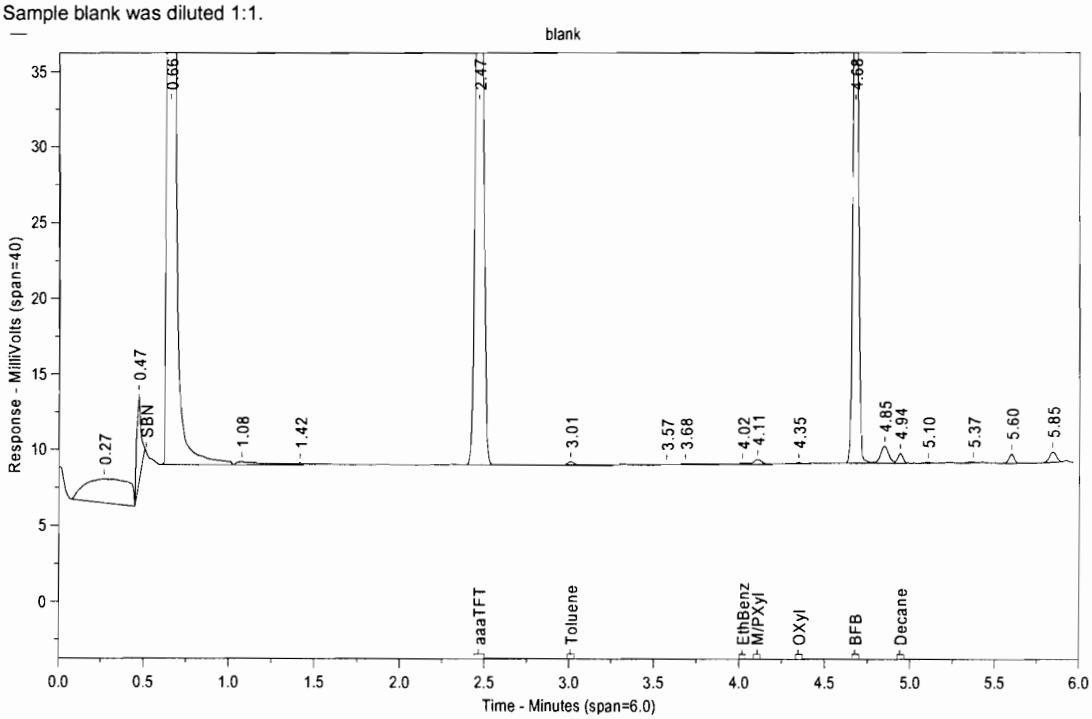


RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	31769.48	4.52	Br3CH	0	23.96
1.47		0	47.38	4.73	BFB	494	9409.80
1.90	CCl4	0	60.45	4.95		0	18.58
3.09		0	1.65	5.45		0	24.78

Surrogate BFB recovery is 123.6%

Sample Name: blank

Data File: C:\CPSpirit5\Data2\VoaF011610.0010.RAW
Acquired from Instrument 1 on 1/16/10 5:11:12 PM by
Sample blank was diluted 1:1.

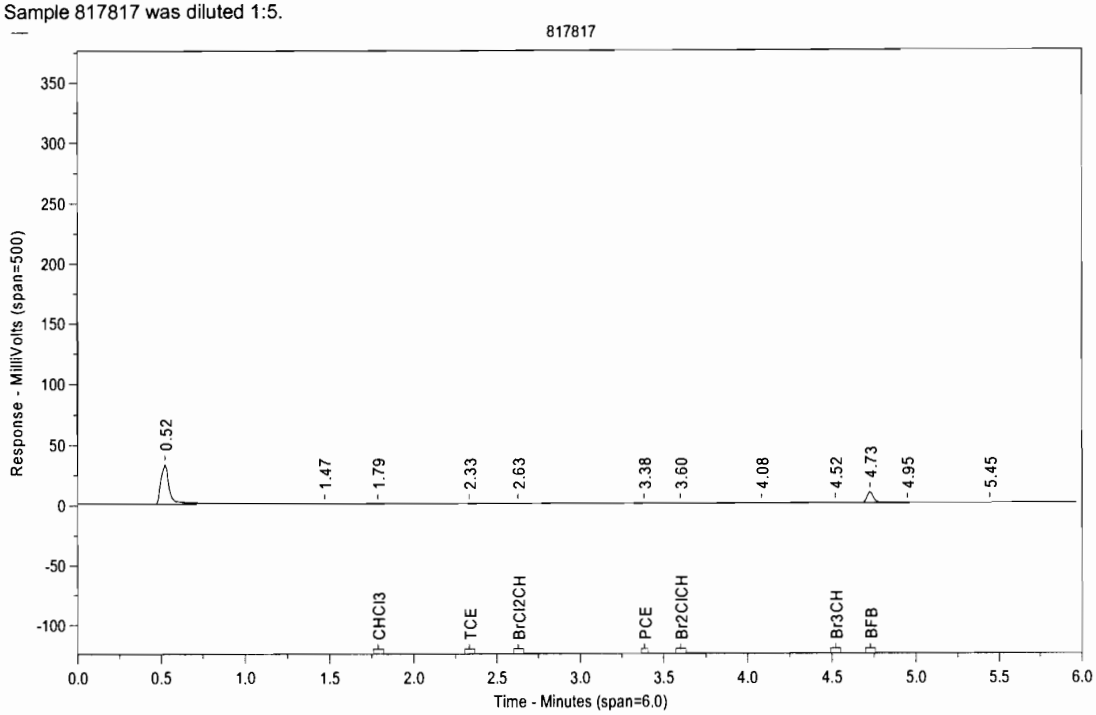


RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1567.58	4.11	M/PXyl	0	317.42
0.47		0	5804.72	4.35	OXyl	0	82.34
0.66		0	644406.31	4.68	BFB	444	46541.41
1.08		0	213.83	4.85		0	1122.58
1.42		0	106.45	4.94	Decane	2	662.87
2.47	aaaTFT	421	52561.64	5.10		0	69.35
3.01	Toluene	1	218.19	5.37		0	65.17
3.57		0	51.57	5.60		0	622.58
3.68		0	76.51	5.85		0	680.41
4.02	EthBenz	0	99.15				

Surrogate aaaTFT recovery is 105.3%
Surrogate BFB recovery is 111.1%

Sample Name: 817817

Data File: C:\CPSpirit5\Data2\VoaE011610.0011.RAW
Acquired from Instrument 1 on 1/16/10 5:22:37 PM by
Sample 817817 was diluted 1:5.

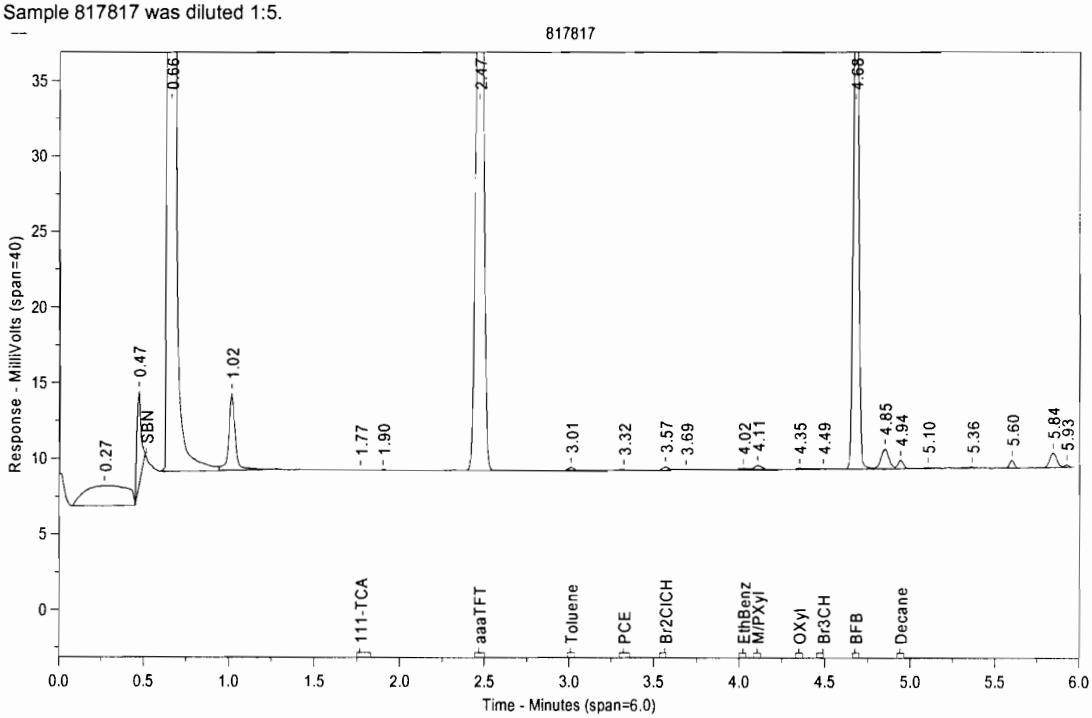


RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	32483.74	3.60	Br2ClCH	0	91.61
1.47		0	47.44	4.08		0	22.81
1.79	CHCl3	0	48.53	4.52	Br3CH	0	40.87
2.33	TCE	1	106.85	4.73	BFB	2319	8882.58
2.63	BrCl2CH	1	136.54	4.95		0	18.77
3.38	PCE	0	109.63	5.45		0	20.95

Surrogate BFB recovery is 115.9%

Sample Name: 817817

Data File: C:\CPSpirit5\Data2\VoaF011610.0011.RAW
Acquired from Instrument 1 on 1/16/10 5:22:37 PM by
Sample 817817 was diluted 1:5.

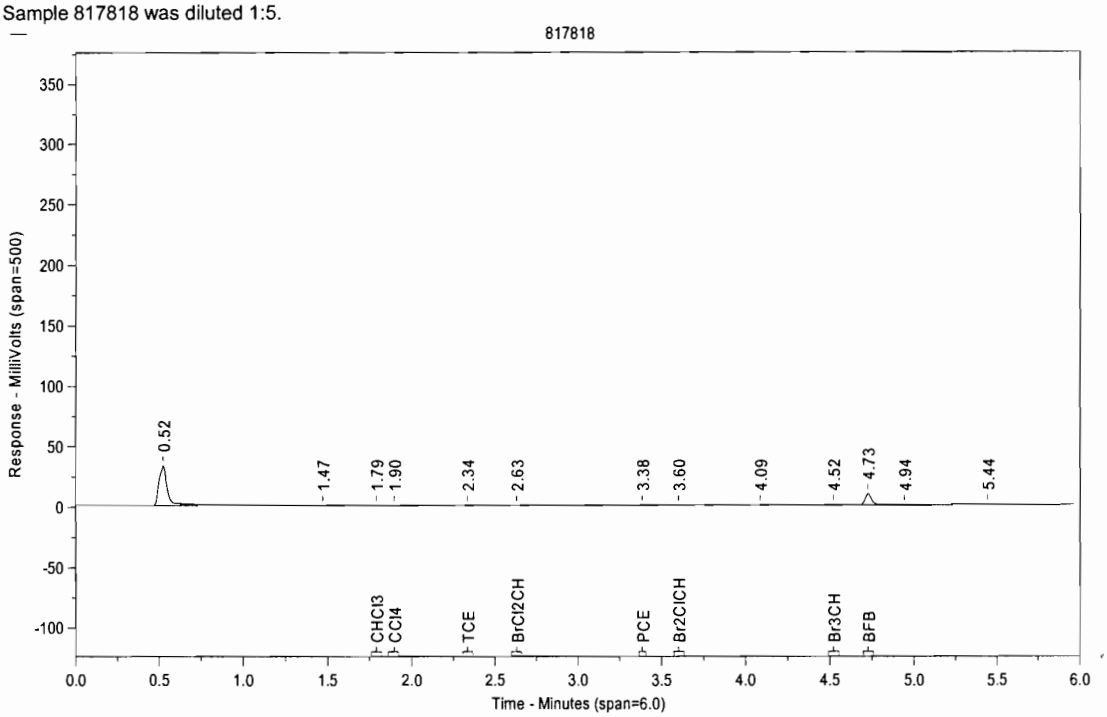


RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1324.63	4.11	M/PXyl	1	270.24
0.47		0	6248.64	4.35	OXyl	0	82.79
0.66		0	601330.81	4.49	Br3CH	-2	49.27
1.02		0	5042.63	4.68	BFB	2071	43379.63
1.77	111-TCA	-3	23.09	4.85		0	1305.01
1.90		0	67.28	4.94	Decane	6	568.09
2.47	aaaTFT	2012	50221.04	5.10		0	59.10
3.01	Toluene	5	199.50	5.36		0	62.19
3.32	PCE	0	75.21	5.60		0	499.90
3.57	Br2ClCH	128	239.64	5.84		0	967.49
3.69		0	70.31	5.93		0	157.26
4.02	EthBenz	0	94.06				

Surrogate aaaTFT recovery is 100.6%
Surrogate BFB recovery is 103.5%

Sample Name: 817818

Data File: C:\CPSpirit5\Data2\VoaE011610.0012.RAW
Acquired from Instrument 1 on 1/16/10 5:34:01 PM by
Sample 817818 was diluted 1:5.

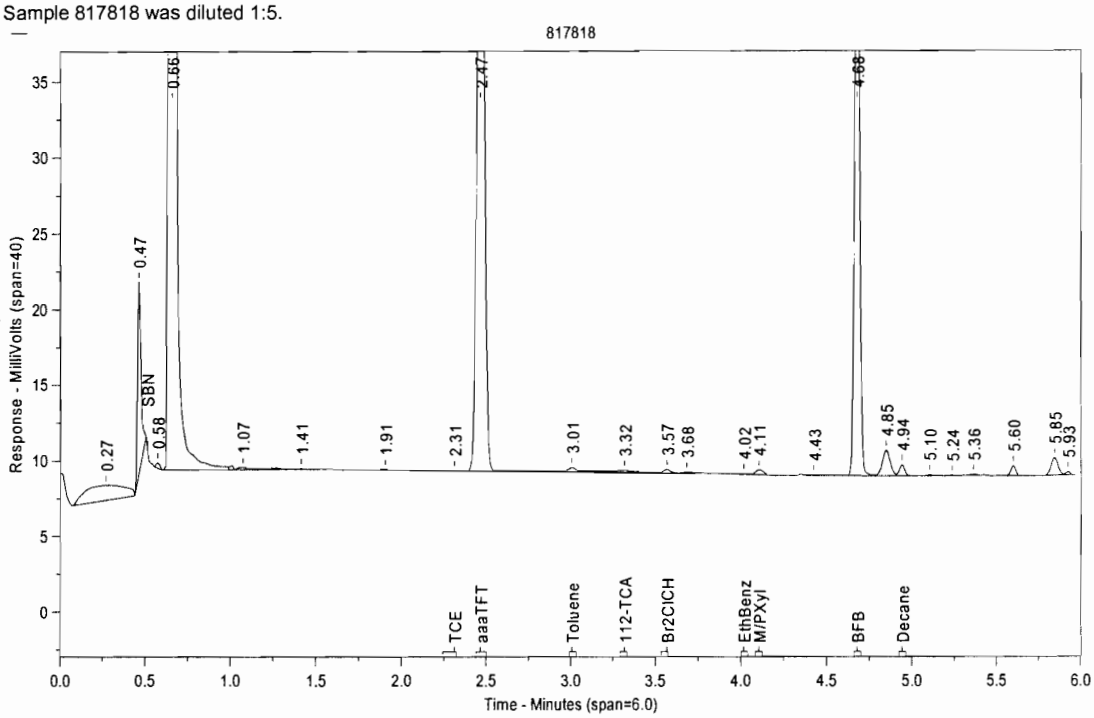


RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	32688.12	3.60	Br2ClCH	0	57.45
1.47		0	59.25	4.09		0	22.80
1.79	CHCl3	0	63.08	4.52	Br3CH	0	33.50
1.90	CCl4	0	75.20	4.73	BFB	2363	9034.40
2.34	TCE	0	94.72	4.94		0	17.87
2.63	BrCl2CH	0	85.77	5.44		0	21.65
3.38	PCE	0	89.50				

Surrogate BFB recovery is 118.1%

Sample Name: 817818

Data File: C:\CPSpirit5\Data2\VoaF011610.0012.RAW
Acquired from Instrument 1 on 1/16/10 5:34:02 PM by
Sample 817818 was diluted 1:5.

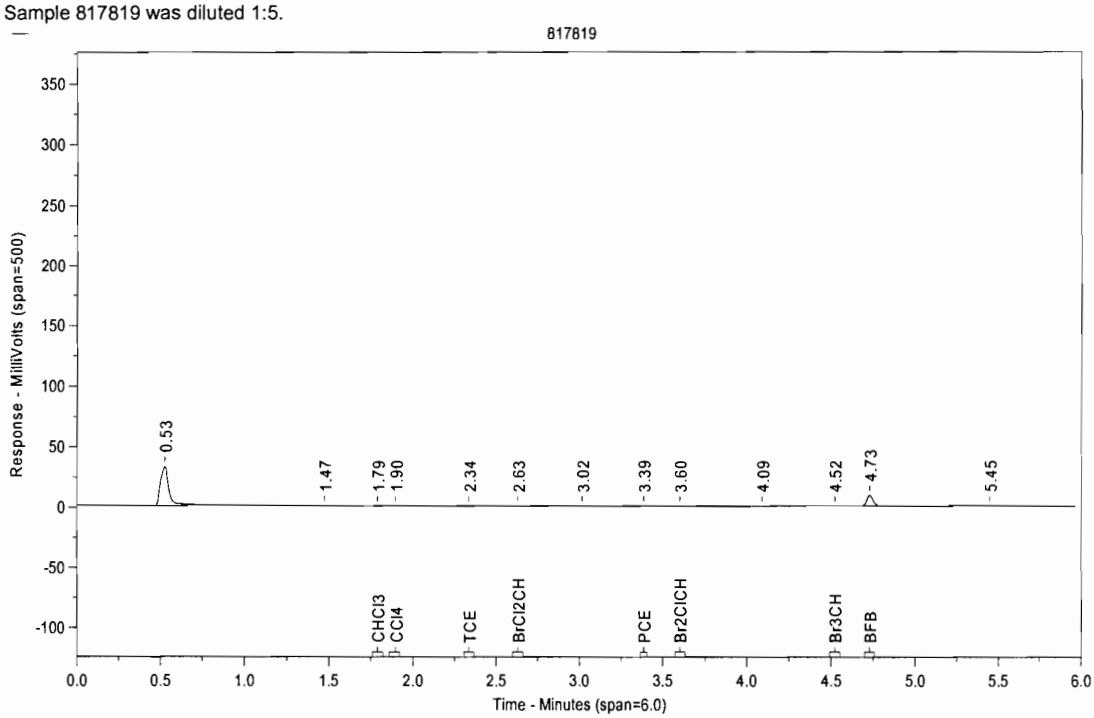


RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	998.07	4.02	EthBenz	0	66.36
0.47		0	12757.43	4.11	M/PXyl	2	327.18
0.58		0	357.86	4.43		0	48.97
0.66		0	622995.06	4.68	BFB	2103	44059.23
1.07		0	153.84	4.85		0	1693.58
1.41		0	81.77	4.94	Decane	9	760.18
1.91		0	79.09	5.10		0	76.01
2.31	TCE	2	59.96	5.24		0	55.21
2.47	aaaTFT	2048	51121.31	5.36		0	77.47
3.01	Toluene	7	323.94	5.60		0	681.16
3.32	112-TCA	14	160.50	5.85		0	1165.07
3.57	Br2ClCH	137	254.53	5.93		0	198.34
3.68		0	70.32				

Surrogate aaaTFT recovery is 102.4%
Surrogate BFB recovery is 105.2%

Sample Name: 817819

Data File: C:\CPSpirit5\Data2\VoaE011610.0013.RAW
Acquired from Instrument 1 on 1/16/10 5:45:27 PM by
Sample 817819 was diluted 1:5.

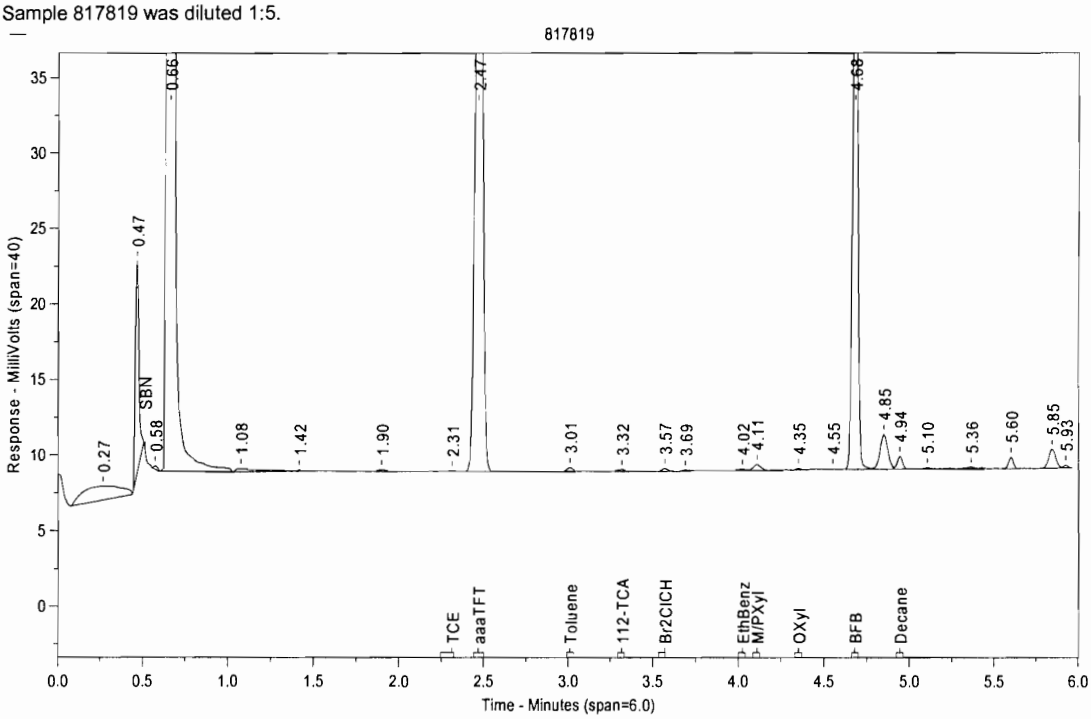


RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	32556.76	3.39	PCE	0	132.63
1.47		0	58.42	3.60	Br2ClCH	0	66.25
1.79	CHCl3	0	69.61	4.09		0	24.15
1.90	CCl4	0	74.09	4.52	Br3CH	0	33.73
2.34	TCE	1	119.24	4.73	BFB	2366	9044.33
2.63	BrCl2CH	0	107.53	5.45		0	23.12
3.02		0	24.40				

Surrogate BFB recovery is 118.3%

Sample Name: 817819

Data File: C:\CPSpirit5\Data2\VoaF011610.0013.RAW
Acquired from Instrument 1 on 1/16/10 5:45:27 PM by
Sample 817819 was diluted 1:5.

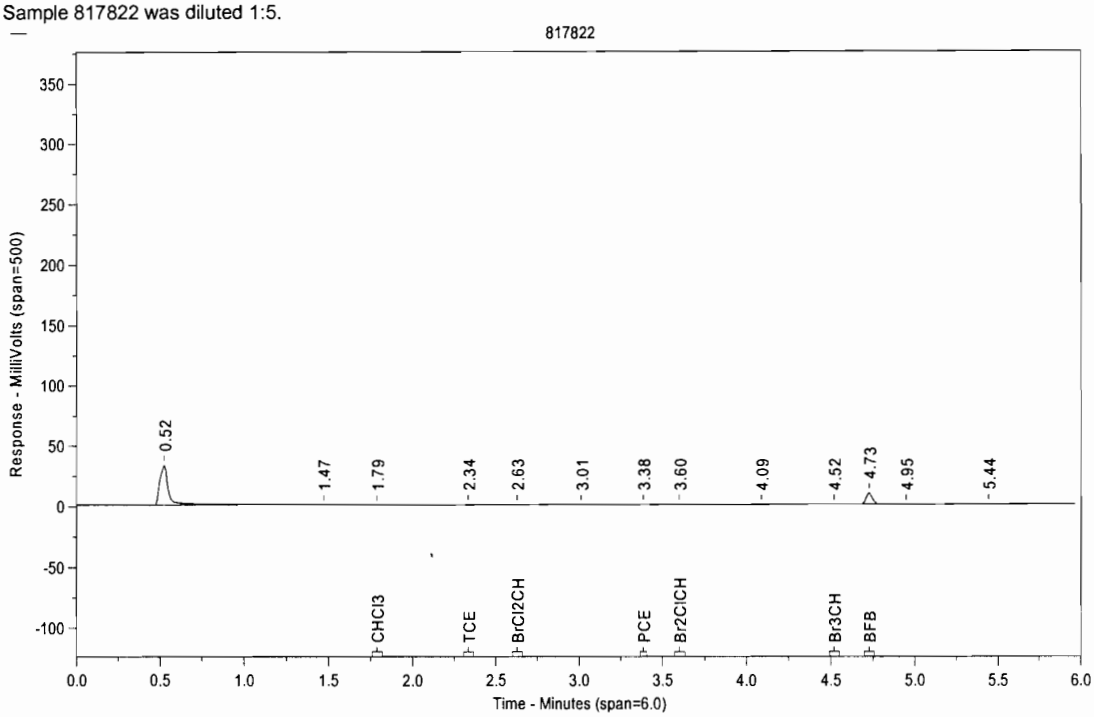


RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	920.50	4.02	EthBenz	0	86.91
0.47		0	14373.23	4.11	M/PXyl	3	392.65
0.58		0	228.32	4.35	OXyl	0	90.78
0.66		0	632793.75	4.55		0	57.92
1.08		0	207.40	4.68	BFB	2105	44090.15
1.42		0	96.81	4.85		0	2321.96
1.90		0	126.67	4.94	Decane	11	858.66
2.31	TCE	1	53.20	5.10		0	96.38
2.47	aaaTFT	2041	50927.87	5.36		0	111.66
3.01	Toluene	6	250.93	5.60		0	775.79
3.32	112-TCA	10	139.02	5.85		0	1274.23
3.57	Br2ClCH	100	189.87	5.93		0	196.17
3.69		0	75.05				

Surrogate aaaTFT recovery is 102.%
Surrogate BFB recovery is 105.2%

Sample Name: 817822

Data File: C:\CPSpirit5\Data2\VoaE011610.0014.RAW
Acquired from Instrument 1 on 1/16/10 5:56:55 PM by
Sample 817822 was diluted 1:5.

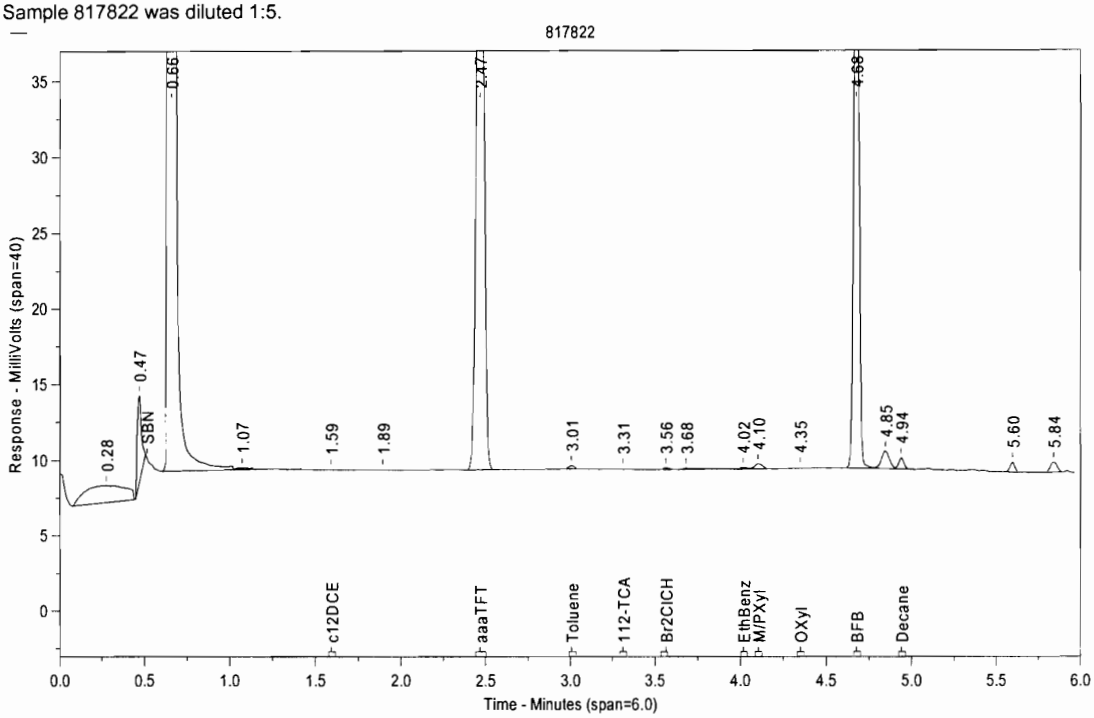


RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	32777.13	3.60	Br2ClCH	1	101.58
1.47		0	48.26	4.09		0	24.38
1.79	CHCl3	0	63.70	4.52	Br3CH	0	44.64
2.34	TCE	1	201.36	4.73	BFB	2468	9395.84
2.63	BrCl2CH	1	162.81	4.95		0	18.62
3.01		0	25.86	5.44		0	22.01
3.38	PCE	0	122.42				

Surrogate BFB recovery is 123.4%

Sample Name: 817822

Data File: C:\CPSpirit5\Data2\VoaF011610.0014.RAW
Acquired from Instrument 1 on 1/16/10 5:56:55 PM by
Sample 817822 was diluted 1:5.

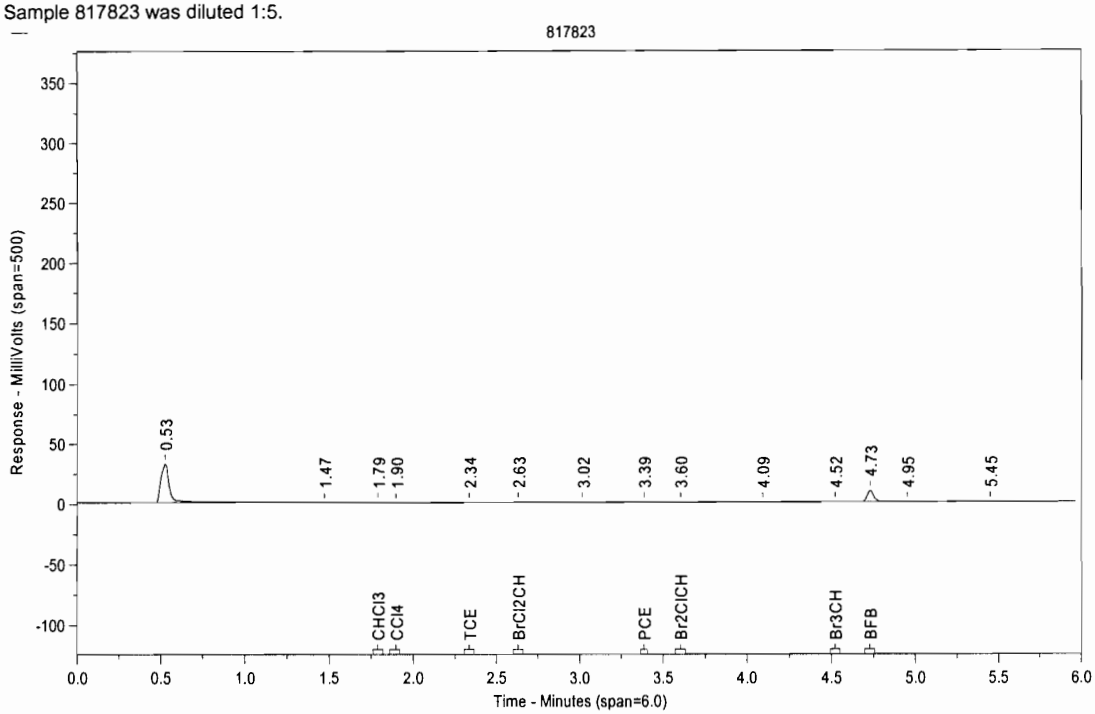


RT	Name	Amount	Height	RT	Name	Amount	Height
0.28		0	1125.23	3.68		0	87.97
0.47		0	5805.82	4.02	EthBenz	1	106.51
0.66		0	633950.44	4.10	M/PXyl	2	346.11
1.07		0	123.12	4.35	OXyl	0	80.95
1.59	c12DCE	0	43.47	4.68	BFB	2209	46275.62
1.89		0	69.02	4.85		0	1165.07
2.47	aaaTFT	2124	53012.85	4.94	Decane	9	738.25
3.01	Toluene	5	232.65	5.60		0	672.48
3.31	112-TCA	1	82.27	5.84		0	697.96
3.56	Br2ClCH	53	108.65				

Surrogate aaaTFT recovery is 106.2%
Surrogate BFB recovery is 110.5%

Sample Name: 817823

Data File: C:\CPSpirit5\Data2\VoaE011610.0015.RAW
Acquired from Instrument 1 on 1/16/10 6:08:20 PM by
Sample 817823 was diluted 1:5.

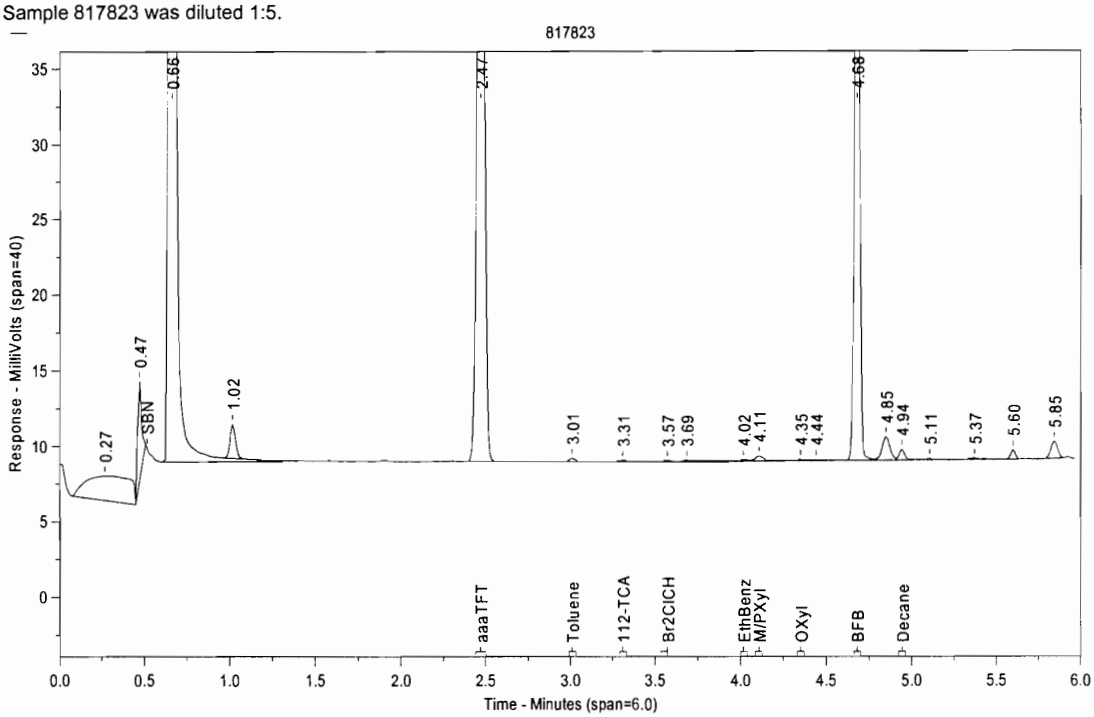


RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	32388.88	3.39	PCE	0	128.60
1.47		0	49.93	3.60	Br2ClCH	1	100.64
1.79	CHCl3	0	80.33	4.09		0	24.33
1.90	CCl4	0	72.46	4.52	Br3CH	0	43.72
2.34	TCE	1	214.83	4.73	BFB	2472	9412.44
2.63	BrCl2CH	1	159.86	4.95		0	20.21
3.02		0	32.48	5.45		0	22.19

Surrogate BFB recovery is 123.6%

Sample Name: 817823

Data File: C:\CPSpirit5\Data2\VoaF011610.0015.RAW
Acquired from Instrument 1 on 1/16/10 6:08:20 PM by
Sample 817823 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1615.62	4.11	M/PXyl	2	349.48
0.47		0	6490.02	4.35	OXyl	1	112.79
0.66		0	647908.56	4.44		0	83.85
1.02		0	2268.45	4.68	BFB	2192	45911.25
2.47	aaaTFT	2152	53697.37	4.85		0	1562.56
3.01	Toluene	5	228.56	4.94	Decane	9	718.20
3.31	112-TCA	2	89.62	5.11		0	98.82
3.57	Br2ClCH	49	101.16	5.37		0	102.95
3.69		0	100.69	5.60		0	632.68
4.02	EthBenz	1	107.50	5.85		0	1136.36

Surrogate aaaTFT recovery is 107.6%
Surrogate BFB recovery is 109.6%

Sample Handling

From: Origin ID: ISPA (856) 296-3435
Jon Simpson
Panther @ LAI
100 Sheep Pasture Road

Port Jefferson, NY 11777

FedEx Express

Ship Date: 15JAN10
ActWgt: 35.0 LB
CAD: 4126056/INET9090
Account#: S *********
Dims: 20 X 15 X 15 IN

Delivery Address Bar Code

Ref #
Invoice #
PO #
Dept #

SHIP TO: (802) 660-1990 BILL SENDER
Sample Receiving
Test America
30 COMMUNITY DR STE 11

SOUTH BURLINGTON, VT 05403

TRK# 0201 7983 0642 6430

SATURDAY ### AA
PRIORITY OVERNIGHT

X0 BTVA

05403
VT-US
BTV

TestAmerica Burlington

VP 01/16/10

SAMPLE RECEIPT & LOG IN CHECKLIST

Client: EMPEAB PANTEC	Date Received: 01/16/10	Log In Date: 01/16/10
ETR: 135484	Time Received: 1015	By: VP
SDG: 135484	Received By: VP	Signature:
Project: 29000	# Coolers Received: 1	PM Signature:
Samples Delivered By: X Shipping Service _ Courier _ Hand _ Other (specify)		Date: 1/19/10
List Air bill Number(s) or Attach a photocopy of the Air Bill:		

COOLER SCREEN	YES	NO	NA	COMMENTS
There is *no* evidence to indicate tampering	X			
Custody seals are present and intact	X			
Custody seal numbers are present		X		
If yes, list custody seal numbers:				

Thermal Preservation Type: X Wet Ice Blue Ice None Other Specify

IR Gun ID: 96 Correction Factor (CF) = 0 °C

Cooler 1:	2.5 °C	Cooler 6	°C	Cooler 11	°C	Cooler 16	°C
Cooler 2:	°C	Cooler 7	°C	Cooler 12	°C	Cooler 17	°C
Cooler 3:	°C	Cooler 8	°C	Cooler 13	°C	Cooler 18	°C
Cooler 4:	°C	Cooler 9	°C	Cooler 14	°C	Cooler 19	°C
Cooler 5	°C	Cooler 10	°C	Cooler 15	°C	Cooler 20	°C

Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun

EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen.

Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified.

SAMPLE CONDITION	YES	NO	NA	COMMENTS
Sample containers were received intact	X			
Legible sample labels are affixed to each container	X			

CHAIN OF CUSTODY (COC)	YES	NO	NA	COMMENTS
COC is present and includes the following information for each container:				
• Sample ID / Sample Description	X	X		See below
• Date of Sample Collection	X			
• Time of Sample Collection	X			
• Identification of the Sampler	X			
• Preservation Type	X			
• Requested Tests Method(s)	X			
• Necessary Signatures	X			
Internal Chain of Custody (ICOC) Required		X		
If yes to above, ICOC Record initiated for every Worksheet			X	

SAMPLE INTEGRITY / USABILITY	YES	NO	NA	COMMENTS
The sample container matches the COC	X			
Appropriate sample containers were received for the tests requested	X			
Samples were received within holding time	X			
Sufficient amount of sample is provided for requested analyses	X			
VOA vials do not have headspace or a bubble >6mm (1/4" diameter)	X			
Appropriate preservatives were used for the tests requested	X			
pH of inorganic samples checked and is within method specification			X	
If no, attach Inorganic Sample pH Adjustment Form			X	

ANOMALY / NCR SUMMARY

Sample container label listed ISCO SB-2GW 192'-193', on the COC it listed as ISCO SB-2-GW 193'-194', Only 1 of 3 vials for that container listed wrong sample ID, time and date did match with the COC. Used sample ID from the COC for login.

Truncated samples ID ISCO-SB-2-GW 193'-194', 200'-201', 211'-212' 221'-222' and 231'-232' to ISCO-SB-2-GW193'-194', it fix in the login system.

FSR002:12.19.07:3
TestAmerica