

TestAmerica
South Burlington, VT
Extended Data Package

135376

TestAmerica Laboratories, Inc.

January 28, 2010

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

Re: Laboratory Project No. 29000
Case: LASS; SDG: 135376

Dear Mr. Dyson:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on January 8th, 2010. Laboratory identification numbers were assigned, and designated as follows:

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>Sample Matrix</u>
Received: 01/08/10 ETR No: 135376			
816974	ISCO SB03 193	01/06/10	WATER
816975	ISCO SB03 201-202	01/07/10	WATER
816976	ISCO SB03 211-212	01/07/10	WATER
816977	ISCO SB03 221-222	01/07/10	WATER
816978	ISCO SB03 231-232	01/07/10	WATER
816979	ISCO SB03 DUPLICATE	01/07/10	WATER
816980	ISCO SB03 EQUIP BLANK	01/06/10	WATER
816981	TRIP BLANK	01/07/10	WATER
816982	ISCO SB03 192-193	01/06/10	SOIL
816983	ISCO SB03 200-201	01/07/10	SOIL
816984	ISCO SB03 210-211	01/07/10	SOIL
816985	ISCO SB03 220-221	01/07/10	SOIL
816986	ISCO SB03 230-231	01/07/10	SOIL
816987	VHBLK01	01/08/10	WATER
816988	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.

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 field samples analytical work, and in the analysis of the storage blank associated with the sample set. The method blank associated with the storage blank, identified as VBLKNH, did exhibit high recoveries for DMCs vinyl chloride-d₃ and chloroethane-d₅. Each analysis of samples in this sample set did meet the technical acceptance criteria specific to DMC recoveries. 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, with the exception on calibration checks NZE050HV and NZE50AC1, the responses for 1,4-dioxane and 1,4-dioxane-d₈ 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.

An additional, dilution analysis was performed on samples ISCO SB03 201-202 and ISCO SB03 211-212 in order to provide for the quantification of acetone within the range of calibrated instrument response. Both sets of results for the analysis of samples ISCO SB03 201-202 and ISCO SB03 211-212 are included in this submittal.

Each of the analyses associated with the sample set exhibited an acceptable internal standard performance. With the exception of method blank VBLKMC there was an acceptable recovery of each deuterated monitoring compound (DMC) in the analysis of each method blank associated with the analytical work. Method blank VBLKMC, associated with sample SB03 193, yielded low recovery for DMC vinyl chloride-d₃. The analysis of the storage blank associated with the sample set also exhibited acceptable recovery of each DMC. 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. Samples ISCO SB03 201-202, ISCO SB03 211-212, ISCO SB03 221-222, ISCO SB03 231-232, ISCO SB03 DUPLICATE, ISCO SB03 EQUIP BLANK and TRIP BLANK were analyzed on January 19th, 11 days from validated time of sample receipt. Samples ISCO SB03 201-202 and ISCO SB03 211-212 required dilution analyses which were analyzed on January 21th, 13 days from validated time of sample receipt.

It should be noted that the more concentrated analyses of samples SB03 201-202 and ISCO SB03 211-212 preceded the analysis of samples ISCO SB03 221-222 and ISCO SB03 EQUIP BLANK ISCO, and an instrument blank acquisition did not occur prior to those acquisitions. Acetone was identified in the analysis of samples ISCO SB03 221-222 and ISCO SB03 EQUIP BLANK, and the end data user is advised that the results acetone may reflect a high bias.

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 each closing calibration check acquisition. The exception to this was the analytical sequence associated with analysis of sample ISCO SB03 193. Due to a failed autosampler sequence the closing calibration check was not acquired. Because of limited sample volume a reanalysis of that sample was not possible.

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 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

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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.

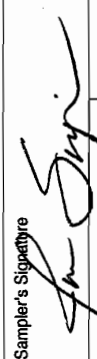
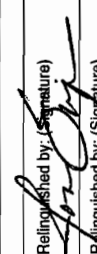
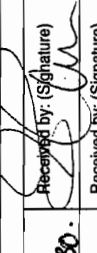
Method Codes:

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

FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody

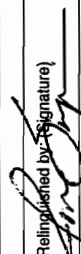
Report to: Company: <u>Butterfield Technologies</u> Address: <u>220 Park St B</u> <u>Medford NJ 08055</u> Contact: <u>(609) 714 2420</u> Phone: <u>(609) 714 2495</u> Fax: <u>(609) 714 2495</u> Contract/Quote: <u>Kevin Dysart</u>				Invoice to: Company: <u>SAME</u> Address: <u></u> Contact: <u></u> Phone: <u></u> Fax: <u></u>				ANALYSIS REQUESTED <u>Volatile Organic</u> <u>SPM 0.12</u>				Lab Use Only Due Date: <u></u> Temp. of coolers when received (°C): 1 <u></u> 2 <u></u> 3 <u></u> 4 <u></u> 5 <u></u> Custody Seal <u>N/Y</u> Intact <u>N/Y</u> Screened For Radioactivity ☐			
Sampler's Name <u>Fort Simpson</u> Sampler's Signature 				Project Name <u>Lawrence Anthony Sub Fund Site</u>				No/Type of Containers* A/G 1 Lt. <u>3</u> P/O <u>1</u> A/G 1 Lt. <u>3</u> P/O <u>1</u> A/G 1 Lt. <u>3</u> P/O <u>1</u> A/G 1 Lt. <u>3</u> P/O <u>1</u>							
Identifying Marks of Sample(s) S 116 1450 X 150 SB 03 1921-1931 S 117 1450 X 150 SB 03 2001-2011 S 117 1060 X 150 SB 03 2101-2111 S 117 1330 X 150 SB 03 2201-2211															
Relinquished by: (Signature) 				Relinquished by: (Signature) 				Remarks Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule. TestAmerica Cannot accept verbal changes. Please Fax written changes to (802) 660-1919							

CHAIN OF CUSTODY RECORD

Report to: Company: <u>Burlington Technologies</u> Address: <u>220 Route To East</u> <u>Suite B</u> Contact: <u>Medford NJ 08055</u> Phone: <u>(609) 714 2420</u> Fax: <u>(609) 714 2495</u> Contract/Quote: <u>Kevin Dyson</u>		Invoice to: Company: _____ Address: <u>same</u> Contact: _____ Phone: _____ Fax: _____		ANALYSIS REQUESTED 50m 0.2 L Volatile		Lab Use Only Due Date: _____ Temp. of coolers when received (C°): 1 2 3 4 5 Custody Seal N/Y Intact N/Y Screened For Radioactivity ☐	
Sampler's Name _____ Sampler's Signature _____							
Proj. No.	Project Name		No./Type of Containers ²				
Matrix ¹	Date	Time	C	G	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.
							250 ml
W	1/6	1630	X		1500 SB 03 1931	1	
W	1/7	0945	X		1500 SB 03 201-2021	3	
W	1/7	1145	X		1500 SB 03 211-2121	3	
W	1/7	1450	X		1500 SB 03 221-2221	3	
W	1/7	1600	X		1500 SB 03 231-2321	2	
W	1/7		X		1500 SB 03 Duplicate	3	
W	1/6	1600	X		1500 SB 03 Equip Blank	2	
W	1/7	1600	X		TAIP Blank	2	
Relinquished by: (Signature) <u>[Signature]</u> Date <u>1/7/00</u> Time <u>1730</u> Relinquished by: (Signature) _____ Date _____ Time _____ Relinquished by: (Signature) _____ Date _____ Time _____							
Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule. SL - Sludge O - Oil C - Charcoal Tube P/O - Plastic or other A - Air bag L - Liquid 250 ml - Glass wide mouth W - Wastewater VOA - 40 ml vial S - Soil / Or Glass 1 Liter A/G - Amber							

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

CHAIN OF CUSTODY RECORD

Report to: Company: <u>Frattini Technologies, Inc.</u> Address: <u>220 Route 70 East</u> <u>MEDFORD NJ 08056</u> Contact: _____ Phone: <u>609 714 2420</u> Fax: <u>609 714 2495</u> Contract/Quote: <u>KEVIN DUBOIS</u>		Invoice to: Company: _____ Address: <u>SAME</u> Contact: _____ Phone: _____ Fax: _____		Analysis Requested <u>Volatiles SCMOI.2 (Percent Solids)</u>		Lab Use Only Due Date: _____ Temp. of coolers when received (°C): <u>4.7</u> 1 2 3 4 5 Custody Seal <u>NY</u> Intact <u>NY</u> Screened For Radioactivity ☐	
Sampler's Name <u>TOM SIMPSON</u>		Sampler's Signature 					
Proj. No.	Project Name	No./Type of Containers ²					
		VOA	A/G 1 LL	250 ml	P/O		
Matrix ¹	Identifying Marks of Sample(s)						
5	1500 SB 03 216' - 211'			X			
Date	Time						
11/16/00	15:30						
Relinquished by: (Signature)		Received by: (Signature)		Date		Time	
				11/16/00		1000	
Relinquished by: (Signature)		Received by: (Signature)		Date		Time	
Relinquished by: (Signature)		Received by: (Signature)		Date		Time	
Remarks		Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.					
		SL - Sludge O - Oil C - Charcoal Tube P/O - Plastic or other L - Liquid A - Air bag S - Soil 250 ml - Glass wide mouth W - Water A/G - Amber / Or Glass 1 Liter WW - Wastewater VOA - 40 ml vial					
¹ Matrix ² Container		TestAmerica Cannot accept verbal changes. Please Fax written changes to (802) 660-1919					



Sample Report Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

ISCO SB03 192-193

SDG No.: 135376

Lab Sample ID: 816982

Date Received: 01/08/10

% Solids: 92.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	01/18/10		%	1	0.10	92.5	

Printed on: 01/20/10 10:52 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

ISCO SB03 200-201

Lab Name: TestAmerica Burlington

Contract:

SDG No.: 135376

Lab Code: TALVT

Case No.: LASS

Lab Sample ID: 816983

Matrix: SOIL

Client: PANTEC

Date Received: 01/08/10

% Solids: 92.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	01/18/10		%	1	0.10	92.2	

Printed on: 01/20/10 10:52 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

ISCO SB03 220-221

Lab Name: TestAmerica Burlington

Contract:

SDG No.: 135376

Lab Code: TALVT

Case No.: LASS

Lab Sample ID: 816985

Matrix: SOIL

Client: PANTEC

Date Received: 01/08/10

% Solids: 93.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	01/18/10		%	1	0.10	93.0	

Printed on: 01/20/10 10:52 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

ISCO SB03 230-231

Lab Name: TestAmerica Burlington

Contract:

SDG No.: 135376

Lab Code: TALVT

Case No.: LASS

Lab Sample ID: 816986

Matrix: SOIL

Client: PANTEC

Date Received: 01/08/10

% Solids: 95.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	01/18/10		%	1	0.10	95.4	

Printed on: 01/20/10 10:52 AM



Supportive Documentation – Wet Chemistry



Wet Chemistry Raw Data

Solids, Percent

Percent Solids Determination

Analysis Start Date: 1/18/2010		Oven ID: 2		Analysis End Date: 1/19/2010		
Analysis Start Time: 17:00		Time In: 18:05		Analysis End Time: 20:10		
Start Analyst: MNT		Time Out: 19:35		End Analyst: MNT		
Start Analyst Signature: <i>MNT</i>		End Analyst Signature: <i>MNT</i>				
LAB ID	Dish ID	Dish Weight (g)	Weight of Dish + Wet Sample (g)	Weight of Dish + Dry Sample (g)	Percent Solids (%)	Percent Moisture (%)
816982	1	1.00	8.50	7.94	92.5	8
816983	2	0.99	11.55	10.73	92.2	8
816984	3	1.00	9.35	8.60	91.0	9
816985	4	0.98	11.65	10.90	93.0	7
816986	5	0.99	9.25	8.87	95.4	5
817330	6	1.00	11.65	10.40	88.3	12
817331	7	0.97	12.45	11.57	92.3	8
817332	8	1.00	10.20	9.02	87.2	13
817333	9	0.95	12.65	11.92	93.8	6
817334	10	0.99	12.55	11.45	90.5	10
817335	11	1.00	12.65	11.96	94.1	6
817336	12	1.01	11.28	10.27	90.2	10
817337	13	0.99	11.65	10.51	89.3	11
817338	14	0.98	10.85	9.53	86.6	13
817339	15	0.99	11.55	10.37	88.8	11
817257	16	1.00	12.35	11.37	91.4	9
817258	17	0.95	10.25	9.81	95.3	5
817259	18	0.99	11.55	10.47	89.8	10
817260	19	1.00	10.20	9.19	89.0	11
817261	20	1.01	9.65	8.98	92.2	8
817262	21	1.00	11.35	10.26	89.5	11
817263	22	1.00	8.55	6.45	72.2	28
817263DP	23	1.01	8.40	6.32	71.9	28
817264	24	0.98	8.10	6.00	70.5	30
817265	25	0.97	8.65	6.68	74.3	26
817266	26	1.00	9.55	7.83	79.9	20
817267	27	1.00	8.90	7.38	80.8	19
817268	28	0.99	12.35	11.65	93.8	6
817269	29	0.98	9.55	8.12	83.3	17
817381	30	0.98	12.95	11.97	91.8	8

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.: 135376

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	VBLKNQ	87	91	72	89	93	96	99
02	SB03 192-193	90	97	76	108	98	101	105
03	SB03 200-201	86	94	73	99	95	98	99
04	SB03 210-211	87	95	76	96	95	99	99
05	SB03 220-221	88	95	74	92	96	100	100
06	SB03 230-231	90	95	76	98	99	101	103
07	VBLKNH	141*	136*	90	175	112	120	103
08	VHBLK02	122	119	84	160	105	112	101
09								
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

Page 1 of 2

SOM01.2

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.: 135376

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (DXE) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT OUT
01	VBLKNQ	87	98	101	96	82	99	97	0
02	SB03 192-193	115	105	105	117	127	105	109	0
03	SB03 200-201	108	99	101	107	112	97	102	0
04	SB03 210-211	107	100	99	101	110	96	101	0
05	SB03 220-221	89	102	100	100	97	98	101	0
06	SB03 230-231	99	102	102	109	120	105	103	0
07	VBLKNH	107	102	104	137	98	101	103	2
08	VHBLK02	80	102	105	131	101	97	98	0
09									
10									
11									
12									
13									
14									
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30									

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

Page 2 of 2

SOM01.2

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKNQ

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Lab File ID: NZAB03B

Lab Sample ID: VBLKNQ

Instrument ID: N.i

Matrix: (SOIL/SED/WATER) Soil

Date Analyzed: 01/15/2010

Level: (TRACE or LOW/MED) LOW

Time Analyzed: 1023

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	SB03 192-193	816982	816982	1300
02	SB03 200-201	816983	816983	1329
03	SB03 210-211	816984	816984	1357
04	SB03 220-221	816985	816985	1425
05	SB03 230-231	816986	816986	1454
06				
07				
08				
09				
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COMMENTS:

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKNH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Lab File ID: NZEB03A

Lab Sample ID: VBLKNH

Instrument ID: N.i

Matrix: (SOIL/SED/WATER) Soil

Date Analyzed: 01/28/2010

Level: (TRACE or LOW/MED) LOW

Time Analyzed: 1006

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	816988	816988	1100
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				

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.: 135376

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					
08					
09					
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.
BFBNQ

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Lab File ID: NZA05PV

BFB Injection Date: 01/15/2010

Instrument ID: N.i

BFB Injection Time: 0818

GC Column: DB-624

ID: 0.53

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.8
75	30.0 - 80.0% of mass 95	51.1
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	58.3
175	5.0 - 9.0% of mass 174	4.2 (7.2)1
176	95.0 - 101.0% of mass 174	57.1 (97.9)1
177	5.0 - 9.0% of mass 176	3.5 (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	VSTD025NQ	VSTD025NQ	NZA050BV	01/15/2010	0926
02	VBLKNQ	VBLKNQ	NZAB03B	01/15/2010	1023
03	SB03 192-193	816982	816982	01/15/2010	1300
04	SB03 200-201	816983	816983	01/15/2010	1329
05	SB03 210-211	816984	816984	01/15/2010	1357
06	SB03 220-221	816985	816985	01/15/2010	1425
07	SB03 230-231	816986	816986	01/15/2010	1454
08	VSTD025QN	VSTD025QN	NZA50BC1	01/15/2010	1731
09					
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.
BFBNG

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Lab File ID: NZE01PV

BFB Injection Date: 01/27/2010

Instrument ID: N.i

BFB Injection Time: 2147

GC Column: DB-624

ID: 0.53 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.1
75	30.0 - 80.0% of mass 95	40.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	62.5
175	5.0 - 9.0% of mass 174	4.6 (7.4)1
176	95.0 - 101.0% of mass 174	61.7 (98.7)1
177	5.0 - 9.0% of mass 176	4.2 (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	VSTD2.5NG	VSTD2.5NG	NZE005V	01/27/2010	2317
02	VSTD005NG	VSTD005NG	NZE010V	01/27/2010	2345
03	VSTD025NG	VSTD025NG	NZE050V	01/28/2010	0013
04	VSTD050NG	VSTD050NG	NZE100V	01/28/2010	0041
05	VSTD100NG	VSTD100NG	NZE200V	01/28/2010	0109
06					
07					
08					
09					
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.
BFBNH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLIV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Lab File ID: NZE02PV

BFB Injection Date: 01/28/2010

Instrument ID: N.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	18.1
75	30.0 - 80.0% of mass 95	40.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	64.5
175	5.0 - 9.0% of mass 174	4.9 (7.6)1
176	95.0 - 101.0% of mass 174	63.1 (97.8)1
177	5.0 - 9.0% of mass 176	4.3 (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	VSTD025NH	VSTD025NH	NZE050HV	01/28/2010	0910
02	VBLKNH	VBLKNH	NZEB03A	01/28/2010	1006
03	VHBLK02	816988	816988	01/28/2010	1100
04	VSTD025HN	VSTD025HN	NZE50AC1	01/28/2010	1128
05					
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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.: 135376
GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 01/13/2010 01/13/2010
EPA Sample No. (VSTD#####): VSTD025NQ Date Analyzed: 01/15/2010
Lab File ID (Standard): NZA050BV Time Analyzed: 0926
Instrument ID: N.i Heated Purge: (Y/N) Y

	IS1 (CBZ)	RT #	IS2 (DFB)	RT #	IS3 (DCB)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	2220590	13.02	1917506	9.35	1281086	15.75
UPPER LIMIT	4441180	13.52	3835012	9.85	2562172	16.25
LOWER LIMIT	1110295	12.52	958753	8.85	640543	15.25
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLKNQ	2050675	12.99	1884569	9.33	1136524	15.73
02 SB03 192-193	1915991	13.01	1768053	9.37	1014676	15.74
03 SB03 200-201	1936269	13.02	1753044	9.37	1017280	15.74
04 SB03 210-211	1864997	13.02	1689932	9.37	983762	15.75
05 SB03 220-221	1800191	13.00	1643610	9.33	991029	15.74
06 SB03 230-231	1725028	13.01	1606908	9.36	888076	15.74
07						
08						
09						
10						
11						
12						
13						
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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
Page 1 of 1

SOM01.2

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.: 135376
GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 01/27/2010 01/28/2010
EPA Sample No. (VSTD#####): VSTD025NH Date Analyzed: 01/28/2010
Lab File ID (Standard): NZE050HV Time Analyzed: 0910
Instrument ID: N.i Heated Purge: (Y/N) Y

	IS1 (CBZ) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (DCB) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	3057797	12.71	2128394	9.01	1779315	15.50
UPPER LIMIT	6115594	13.21	4256788	9.51	3558630	16.00
LOWER LIMIT	1528898	12.21	1064197	8.51	889658	15.00
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLKNH	2878131	12.72	1941550	9.02	1583126	15.51
02 VHBLK02	2969922	12.72	2195835	9.01	1695900	15.51
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
Page 1 of 1

SOM01.2



Supportive Documentation – SOM01.2 Volatiles

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

EPA SAMPLE NO.

SB03 192-193

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Soil

Lab Sample ID: 816982

Sample wt/vol: 4.64 (g/mL) g

Lab File ID: 816982

Level: (TRACE/LOW/MED) LOW

Date Received: 01/08/2010

% Moisture: not dec. 8.0

Date Analyzed: 01/15/2010

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) <u>ug/kg</u>	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	8.4	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.

SB03 192-193

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Soil

Lab Sample ID: 816982

Sample wt/vol: 4.64 (g/mL) g

Lab File ID: 816982

Level: (TRACE/LOW/MED) LOW

Date Received: 01/08/2010

% Moisture: not dec. 8.0

Date Analyzed: 01/15/2010

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.
SB03 192-193

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135376
Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 816982
Sample wt/vol: 4.64 (g/mL) g Lab File ID: 816982
Level: (TRACE or LOW/MED) LOW Date Received: 01/08/2010
% Moisture: not dec. 8.0 Date Analyzed: 01/15/2010
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)

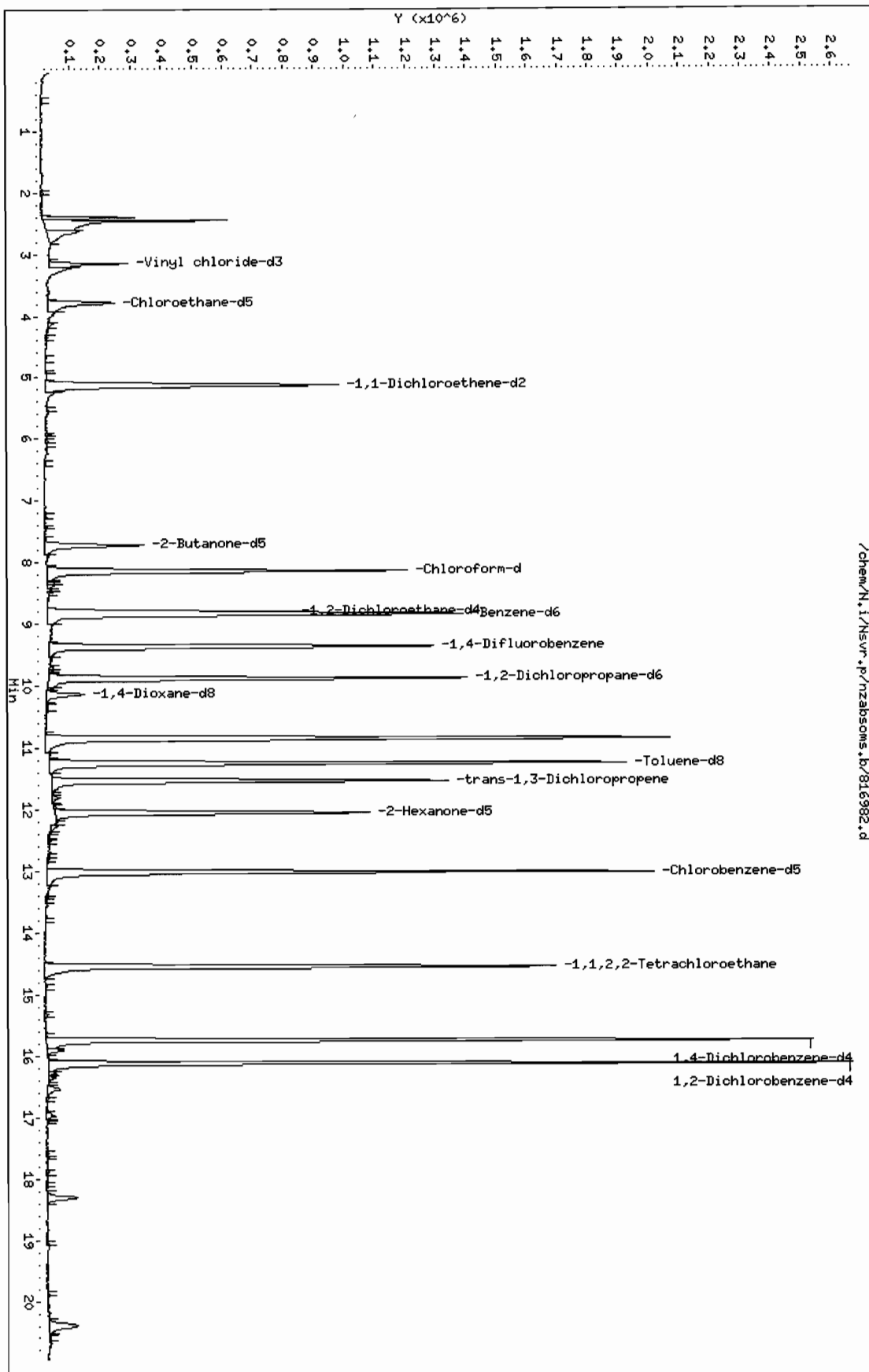
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	10.84	92	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
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23					
24					
25					
26					
27					
28					
29					
30					
	E966796 (1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/N.i/Nsivr.p/nzabsoms.b/816982.d
Date: 15-JAN-2010 13:00
Client ID: SB03 192-193
Sample Info: ISCO SB03 192-193 :I 101/06/10 @1450(SOIL)
Column phase: DB-624

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



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzabsoms.b/816982.d
Lab Smp Id: 816982 Client Smp ID: SB03 192-193
Inj Date : 15-JAN-2010 13:00
Operator : JP1 Inst ID: N.i
Smp Info : ISCO SB03 192-193 :[]01/06/10 @1450(SOIL)
Misc Info : 816982,011510NQ,1,4.64
Comment :
Method : /chem/N.i/Nsvr.p/nzabsoms.b/soms4.m
Meth Date : 28-Jan-2010 10:36 jdl 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	4.64000	Weight of sample extracted (g)
M	8.00000	% Moisture (not decanted)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/L)	(ug/kg)
1 Dichlorodifluoromethane	85					Compound Not Detected.		
2 Chloromethane	50					Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65		3.153	3.145	(0.337)	726762	22.4985	53
4 Vinyl chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chloroethane-d5	69		3.784	3.766	(0.404)	640602	24.2799	57
7 Chloroethane	64					Compound Not Detected.		
8 Trichlorofluoromethane	101					Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63		5.123	5.116	(0.547)	1560560	18.8838	44
10 1,1-Dichloroethene	96					Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.		
12 Acetone	43		5.261	5.244	(0.562)	35743	3.58419	8.4 (a)
13 Carbon disulfide	76					Compound Not Detected.		

Compounds	QUANT SIG	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	7.714	7.707	(0.823)	798843	54.1986	130
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	8.138	8.130	(0.869)	1711692	24.4207	57 (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	8.798	8.790	(0.939)	757882	25.3339	59
\$ 29 Benzene-d6	84	8.837	8.830	(0.679)	1990728	26.3085	62
30 Benzene	78		Compound Not Detected.				
31 1,2-Dichloroethane	62		Compound Not Detected.				
* 32 1,4-Difluorobenzene	114	9.369	9.352	(1.000)	1768053	25.0000	
33 Trichloroethene	95		Compound Not Detected.				
\$ 34 1,2-Dichloropropane-d6	67	9.872	9.864	(0.759)	1234640	28.6534	67
35 Methylcyclohexane	55		Compound Not Detected.				
36 1,2-Dichloropropane	63		Compound Not Detected.				
\$ 37 1,4-Dioxane-d8	96	10.138	10.120	(1.082)	167994	635.883	1500
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	11.241	11.234	(0.864)	2291226	26.2762	62
43 Toluene	91		Compound Not Detected.				
\$ 44 trans-1,3-Dichloropropene-d4	79	11.527	11.519	(0.886)	1326681	26.3227	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	12.049	12.041	(0.926)	745203	58.2585	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	13.015	13.017	(1.000)	1915991	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	14.534	(1.117)	1797007	26.3516	62
61 1,1,2,2-Tetrachloroethane	83		Compound Not Detected.				

Compounds	QUANT SIG	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	15.743	15.746	(1.000)	1014676	25.0000	
64 1,4-Dichlorobenzene	146		Compound Not Detected.				
\$ 65 1,2-Dichlorobenzene-d4	152	16.118	16.120	(1.024)	1026267	27.2067	64
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/nzabsoms.b/816982.d
Lab Smp Id: 816982 Client Smp ID: SB03 192-193
Inj Date : 15-JAN-2010 13:00
Operator : JPl Inst ID: N.i
Smp Info : ISCO SB03 192-193 : [] 01/06/10 @1450 (SOIL)
Misc Info : 816982,011510NQ,1,4.64
Comment :
Method : /chem/N.i/Nsvr.p/nzabsoms.b/soms4.m
Meth Date : 28-Jan-2010 10:36 jdl 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: $\text{Amt} * \text{DF} * \text{Uf} * \text{X} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	4.64000	Weight of sample extracted (g)
M	8.00000	% Moisture (not decanted)

Cpnd Variable

Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	9.369	4460728	25.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL (ug/L)	FINAL (ug/kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
10.837	7028670	39.3919360	92	0		0	32

Data File: /chem/N.i/Nsvr.p/nzabsoms,b/816982.d

Page 6

Date : 15-JAN-2010 13:00

Client ID: SB03 192-193

Instrument: N.i

Sample Info: ISCO SB03 192-193 ;[J01/06/10 @1450(SOIL)

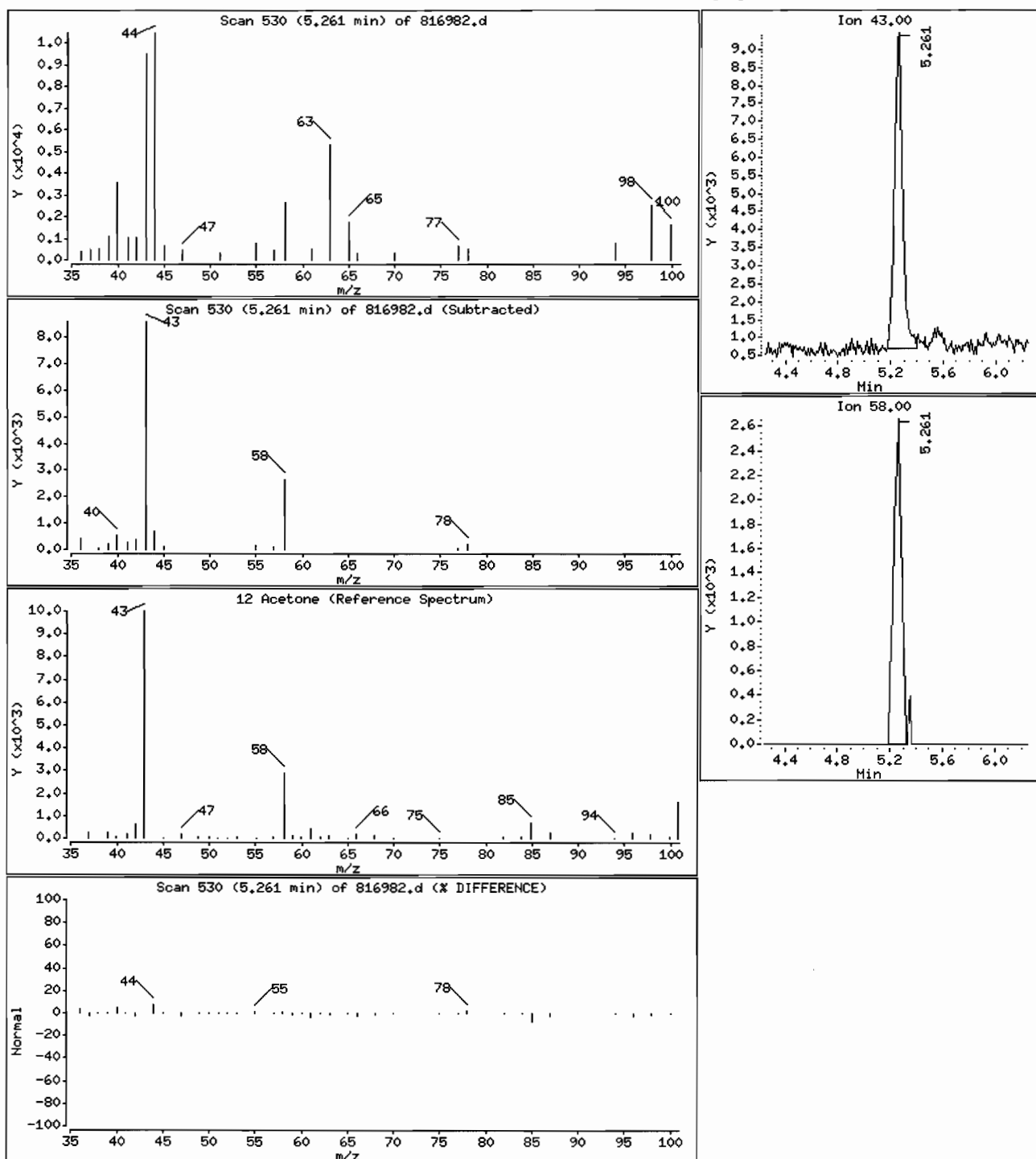
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 8.4 ug/kg



Date : 15-JAN-2010 13:00

Client ID: SB03 192-193

Instrument: N.i

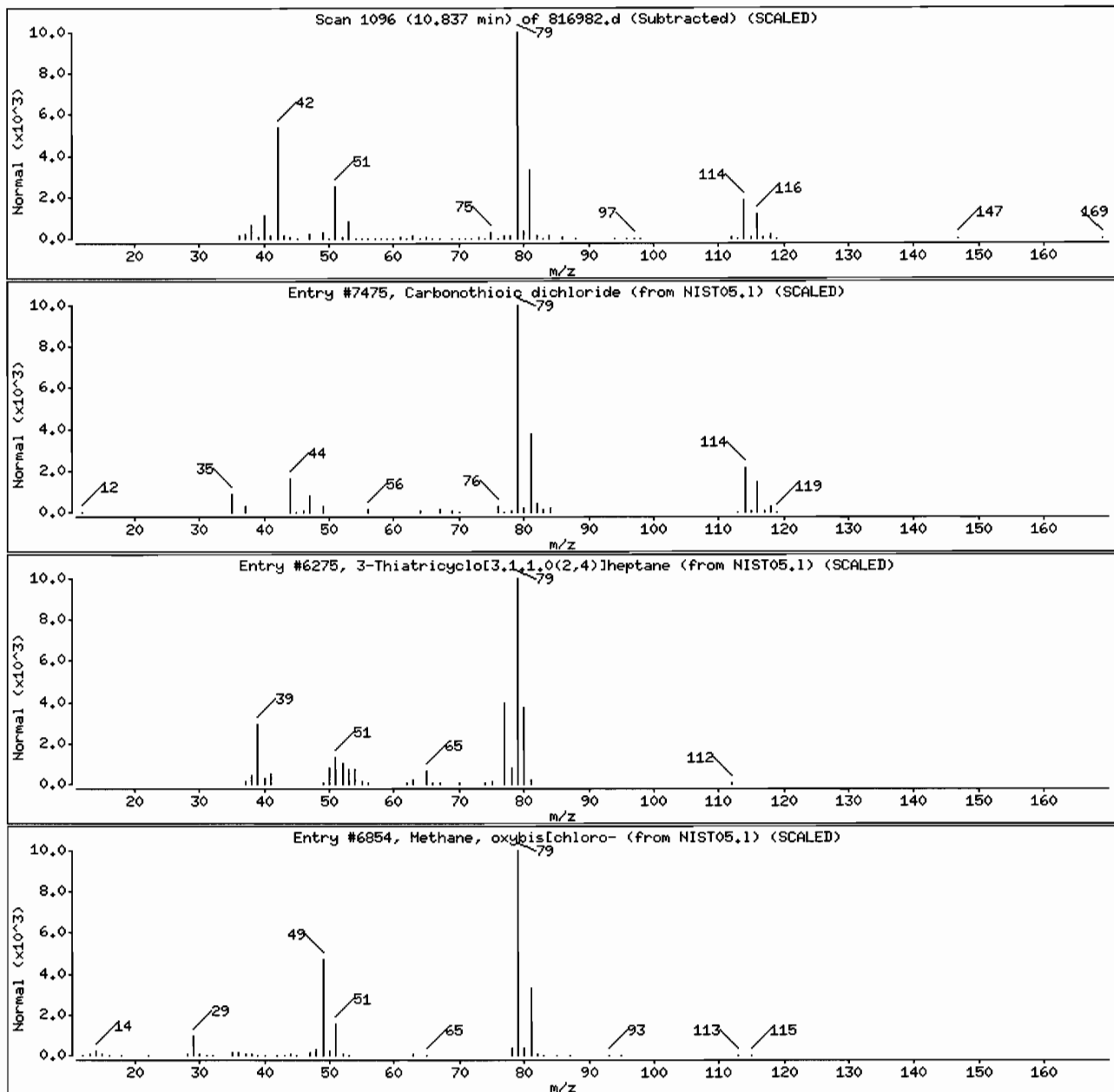
Sample Info: ISCO SB03 192-193 :[101/06/10 @1450(SOIL)

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	38	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	25	C ₂ H ₄ Cl ₂ O	114



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

EPA SAMPLE NO.

SB03 200-201

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Soil

Lab Sample ID: 816983

Sample wt/vol: 5.36 (g/mL) g

Lab File ID: 816983

Level: (TRACE/LOW/MED) LOW

Date Received: 01/08/2010

% Moisture: not dec. 8.0

Date Analyzed: 01/15/2010

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	5.1	U
74-87-3	Chloromethane	5.1	U
75-01-4	Vinyl chloride	5.1	U
74-83-9	Bromomethane	5.1	U
75-00-3	Chloroethane	5.1	U
75-69-4	Trichlorofluoromethane	5.1	U
75-35-4	1,1-Dichloroethene	5.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.1	U
67-64-1	Acetone	7.9	J
75-15-0	Carbon disulfide	5.1	U
79-20-9	Methyl acetate	5.1	U
75-09-2	Methylene chloride	5.1	U
156-60-5	trans-1,2-Dichloroethene	5.1	U
1634-04-4	Methyl tert-butyl ether	5.1	U
75-34-3	1,1-Dichloroethane	5.1	U
156-59-2	cis-1,2-Dichloroethene	5.1	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.1	U
67-66-3	Chloroform	5.1	U
71-55-6	1,1,1-Trichloroethane	5.1	U
110-82-7	Cyclohexane	5.1	U
56-23-5	Carbon tetrachloride	5.1	U
71-43-2	Benzene	5.1	U
107-06-2	1,2-Dichloroethane	5.1	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.
SB03 200-201

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135376
Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 816983
Sample wt/vol: 5.36 (g/mL) g Lab File ID: 816983
Level: (TRACE/LOW/MED) LOW Date Received: 01/08/2010
% Moisture: not dec. 8.0 Date Analyzed: 01/15/2010
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	5.1	U
108-87-2	Methylcyclohexane	5.1	U
78-87-5	1,2-Dichloropropane	5.1	U
75-27-4	Bromodichloromethane	5.1	U
10061-01-5	cis-1,3-Dichloropropene	5.1	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.1	U
10061-02-6	trans-1,3-Dichloropropene	5.1	U
79-00-5	1,1,2-Trichloroethane	5.1	U
127-18-4	Tetrachloroethene	5.1	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.1	U
106-93-4	1,2-Dibromoethane	5.1	U
108-90-7	Chlorobenzene	5.1	U
100-41-4	Ethylbenzene	5.1	U
95-47-6	o-Xylene	5.1	U
179601-23-1	m,p-Xylene	5.1	U
100-42-5	Styrene	5.1	U
75-25-2	Bromoform	5.1	U
98-82-8	Isopropylbenzene	5.1	U
79-34-5	1,1,2,2-Tetrachloroethane	5.1	U
541-73-1	1,3-Dichlorobenzene	5.1	U
106-46-7	1,4-Dichlorobenzene	5.1	U
95-50-1	1,2-Dichlorobenzene	5.1	U
96-12-8	1,2-Dibromo-3-chloropropane	5.1	U
120-82-1	1,2,4-Trichlorobenzene	5.1	U
87-61-6	1,2,3-Trichlorobenzene	5.1	U

SOM01.2

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

EPA SAMPLE NO.
SB03 200-201

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135376
Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 816983
Sample wt/vol: 5.36 (g/mL) g Lab File ID: 816983
Level: (TRACE or LOW/MED) LOW Date Received: 01/08/2010
% Moisture: not dec. 8.0 Date Analyzed: 01/15/2010
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)

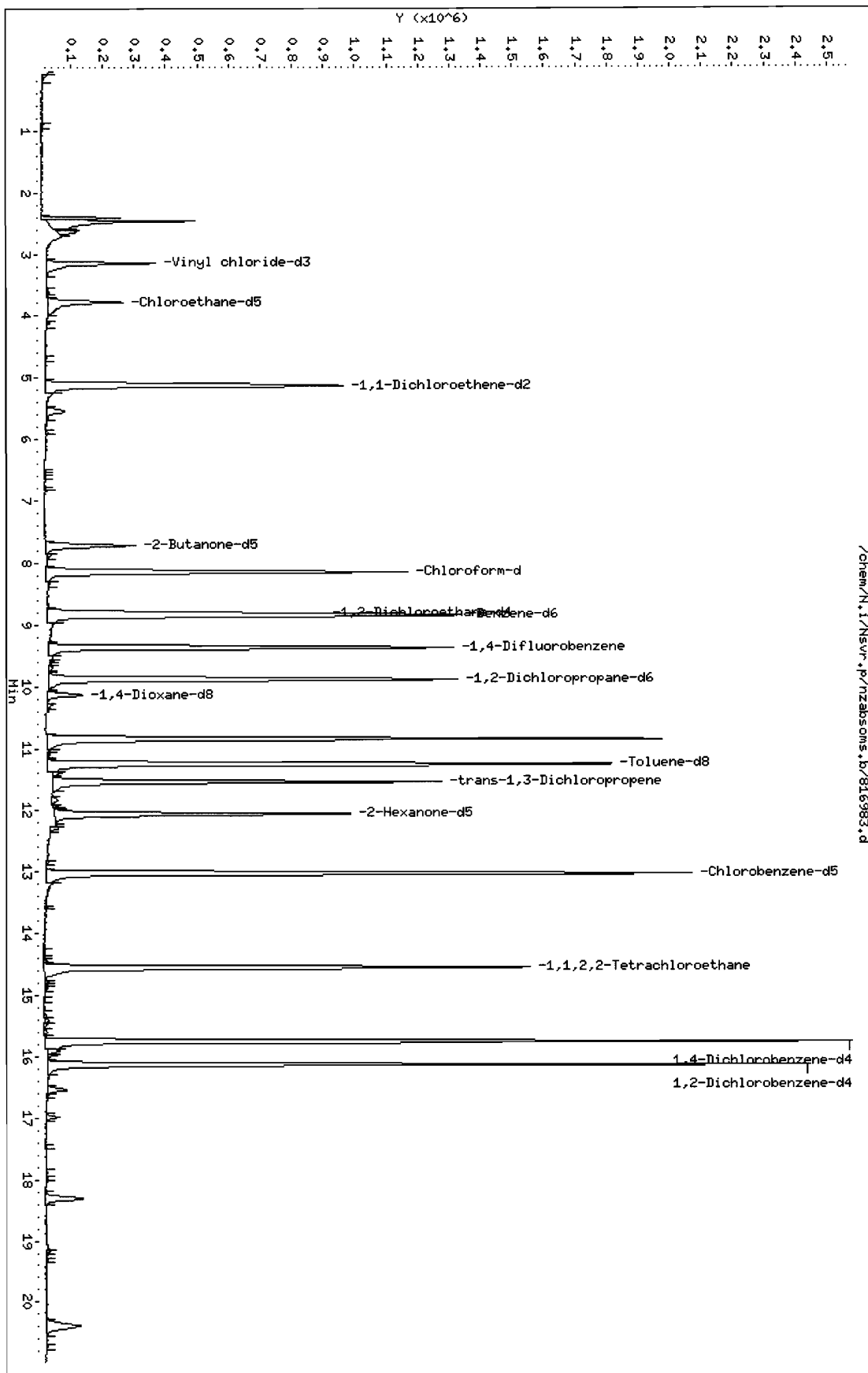
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.84	74	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 (1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/N.i/Nsvr.p/hzabsoms.b/816983.d
Date: 15-JAN-2010 13:29
Client ID: SB03 200-201
Sample Info: ISCO SB03 200-201 : (101/07/10 @0845(SOIL))
Column phase: DB-624

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



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzabsoms.b/816983.d
Lab Smp Id: 816983 Client Smp ID: SB03 200-201
Inj Date : 15-JAN-2010 13:29
Operator : JP1 Inst ID: N.i
Smp Info : ISCO SB03 200-201 : [] 01/07/10 @0845(SOIL)
Misc Info : 816983,011510NQ,1,5.36
Comment :
Method : /chem/N.i/Nsvr.p/nzabsoms.b/soms4.m
Meth Date : 28-Jan-2010 10:36 jdl 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: $\text{Amt} * \text{DF} * \text{Uf} * \text{X} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.36000	Weight of sample extracted (g)
M	8.00000	% 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						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	3.150	3.145	(0.336)	689000	21.5121	44
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.780	3.766	(0.404)	617392	23.6005	48
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	5.120	5.116	(0.547)	1505200	18.3699	37
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43	5.248	5.244	(0.560)	38499	3.89361	7.9 (a)
13 Carbon disulfide	76						

Compounds	QUANT SIG	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	7.711	7.707	(0.823)	720410	49.2957	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	8.134	8.130	(0.869)	1652352	23.7760	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	8.804	8.790	(0.940)	726363	24.4882	50
\$ 29 Benzene-d6	84	8.844	8.830	(0.679)	1897019	24.8075	50
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	9.366	9.352	(1.000)	1753044	25.0000	
33 Trichloroethene	95				Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67	9.878	9.864	(0.759)	1174685	26.9765	55
35 Methylcyclohexane	55				Compound Not Detected.		
36 1,2-Dichloropropane	63				Compound Not Detected.		
\$ 37 1,4-Dioxane-d8	96	10.134	10.120	(1.082)	147228	562.052	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	11.248	11.234	(0.864)	2172659	24.6555	50
43 Toluene	91				Compound Not Detected.		
\$ 44 trans-1,3-Dichloropropene-d4	79	11.523	11.519	(0.885)	1285234	25.2333	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	12.046	12.041	(0.925)	694163	53.7000	110
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	13.021	13.017	(1.000)	1936269	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	14.538	14.534	(1.117)	1673144	24.2783	49
61 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		

Compounds	QUANT SIG	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)	1017280	25.0000	
64 1,4-Dichlorobenzene	146		Compound Not Detected.				
\$ 65 1,2-Dichlorobenzene-d4	152	16.124	16.120	(1.024)	965980	25.5429	52
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/nzabsoms.b/816983.d
Lab Smp Id: 816983 Client Smp ID: SB03 200-201
Inj Date : 15-JAN-2010 13:29
Operator : JPl Inst ID: N.i
Smp Info : ISCO SB03 200-201 :[]01/07/10 @0845(SOIL)
Misc Info : 816983,011510NQ,1,5.36
Comment :
Method : /chem/N.i/Nsvr.p/nzabsoms.b/soms4.m
Meth Date : 28-Jan-2010 10:36 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	5.36000	Weight of sample extracted (g)
M	8.00000	% Moisture (not decanted)

Cpnd Variable

Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	9.366	4451412	25.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL (ug/L)	FINAL(ug/kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
10.844	6507726	36.5486626	74	0		0	32

Data File: /chem/N.i/Nsvr.p/nzabsons.b/816983.d

Page 6

Date : 15-JAN-2010 13:29

Client ID: SB03 200-201

Instrument: N.i

Sample Info: ISCO SB03 200-201 ;[J01/07/10 @0845(SOIL)

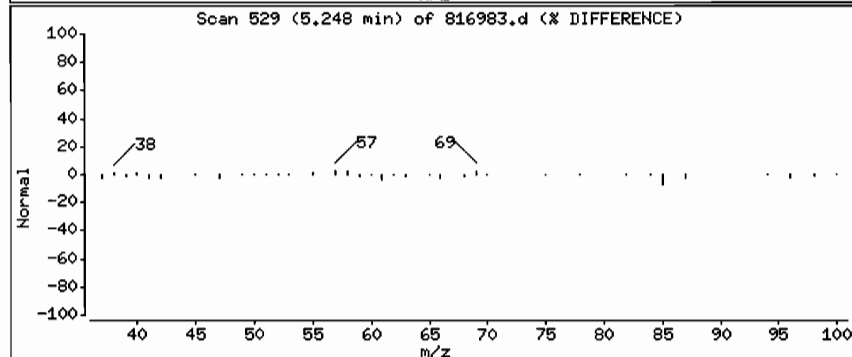
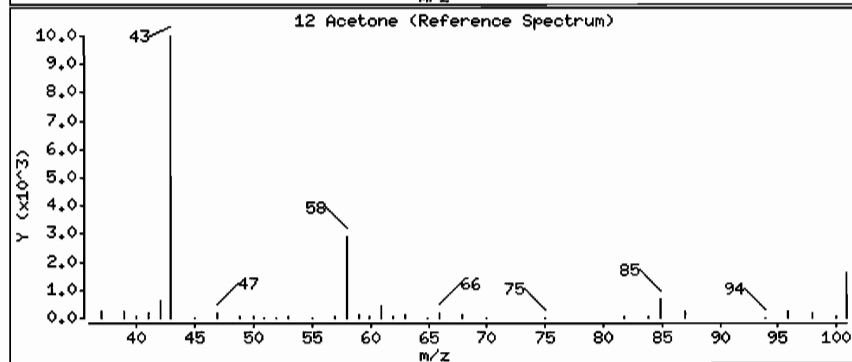
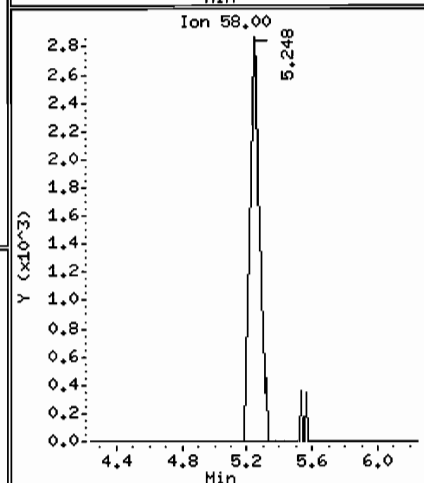
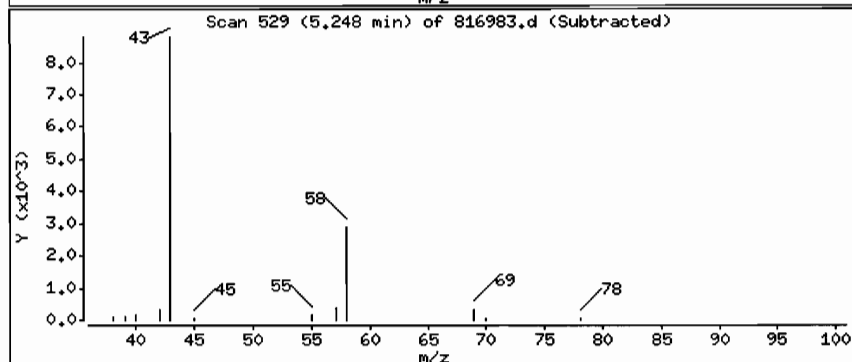
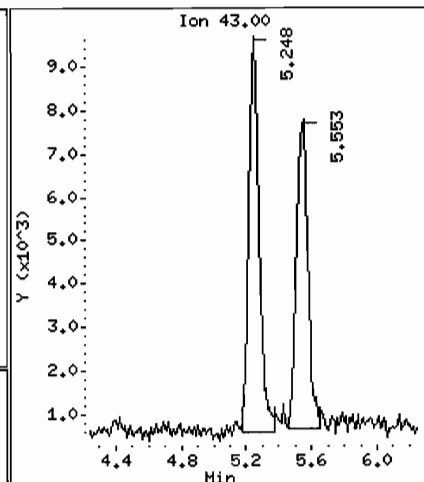
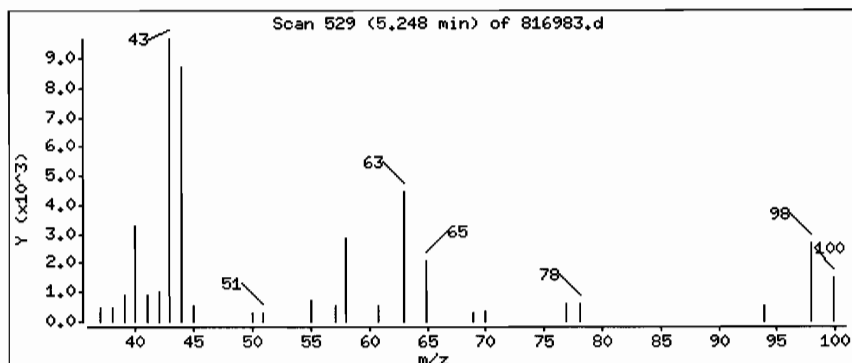
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 7.9 ug/kg



Date : 15-JAN-2010 13:29

Client ID: SB03 200-201

Instrument: N.i

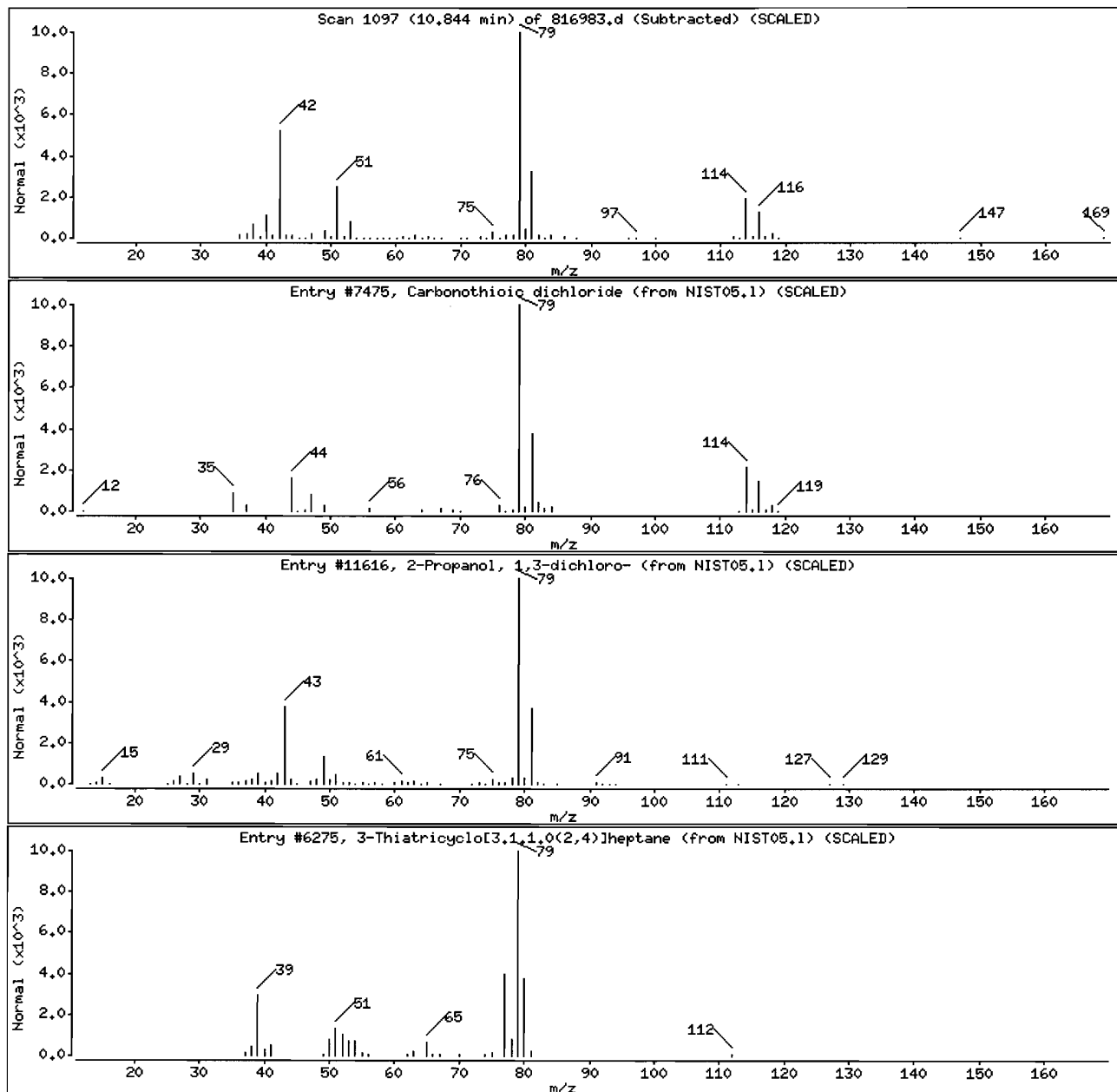
Sample Info: ISCO SB03 200-201 :[101/07/10 @0845(SOIL)

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonylthioic dichloride	463-71-8	NIST05.1	7475	49	CCl ₂ S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	32	C ₃ H ₆ Cl ₂ O	128
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112



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

EPA SAMPLE NO.

SB03 210-211

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Soil

Lab Sample ID: 816984

Sample wt/vol: 4.41 (g/mL) g

Lab File ID: 816984

Level: (TRACE/LOW/MED) LOW

Date Received: 01/08/2010

% Moisture: not dec. 9.0

Date Analyzed: 01/15/2010

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	6.2	U
74-87-3	Chloromethane	6.2	U
75-01-4	Vinyl chloride	6.2	U
74-83-9	Bromomethane	6.2	U
75-00-3	Chloroethane	6.2	U
75-69-4	Trichlorofluoromethane	6.2	U
75-35-4	1,1-Dichloroethene	6.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	U
67-64-1	Acetone	11	J
75-15-0	Carbon disulfide	6.2	U
79-20-9	Methyl acetate	6.2	U
75-09-2	Methylene chloride	6.2	U
156-60-5	trans-1,2-Dichloroethene	6.2	U
1634-04-4	Methyl tert-butyl ether	6.2	U
75-34-3	1,1-Dichloroethane	6.2	U
156-59-2	cis-1,2-Dichloroethene	6.2	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	6.2	U
67-66-3	Chloroform	6.2	U
71-55-6	1,1,1-Trichloroethane	6.2	U
110-82-7	Cyclohexane	6.2	U
56-23-5	Carbon tetrachloride	6.2	U
71-43-2	Benzene	6.2	U
107-06-2	1,2-Dichloroethane	6.2	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.

SB03 210-211

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Soil

Lab Sample ID: 816984

Sample wt/vol: 4.41 (g/mL) g

Lab File ID: 816984

Level: (TRACE/LOW/MED) LOW

Date Received: 01/08/2010

% Moisture: not dec. 9.0

Date Analyzed: 01/15/2010

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) <u>ug/kg</u>	Q
79-01-6	Trichloroethene	6.2	U
108-87-2	Methylcyclohexane	6.2	U
78-87-5	1,2-Dichloropropane	6.2	U
75-27-4	Bromodichloromethane	6.2	U
10061-01-5	cis-1,3-Dichloropropene	6.2	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	6.2	U
10061-02-6	trans-1,3-Dichloropropene	6.2	U
79-00-5	1,1,2-Trichloroethane	6.2	U
127-18-4	Tetrachloroethene	6.2	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	6.2	U
106-93-4	1,2-Dibromoethane	6.2	U
108-90-7	Chlorobenzene	6.2	U
100-41-4	Ethylbenzene	6.2	U
95-47-6	o-Xylene	6.2	U
179601-23-1	m,p-Xylene	6.2	U
100-42-5	Styrene	6.2	U
75-25-2	Bromoform	6.2	U
98-82-8	Isopropylbenzene	6.2	U
79-34-5	1,1,2,2-Tetrachloroethane	6.2	U
541-73-1	1,3-Dichlorobenzene	6.2	U
106-46-7	1,4-Dichlorobenzene	6.2	U
95-50-1	1,2-Dichlorobenzene	6.2	U
96-12-8	1,2-Dibromo-3-chloropropane	6.2	U
120-82-1	1,2,4-Trichlorobenzene	6.2	U
87-61-6	1,2,3-Trichlorobenzene	6.2	U

SOM01.2

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

EPA SAMPLE NO.
SB03 210-211

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135376
Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 816984
Sample wt/vol: 4.41 (g/mL) g Lab File ID: 816984
Level: (TRACE or LOW/MED) LOW Date Received: 01/08/2010
% Moisture: not dec. 9.0 Date Analyzed: 01/15/2010
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)

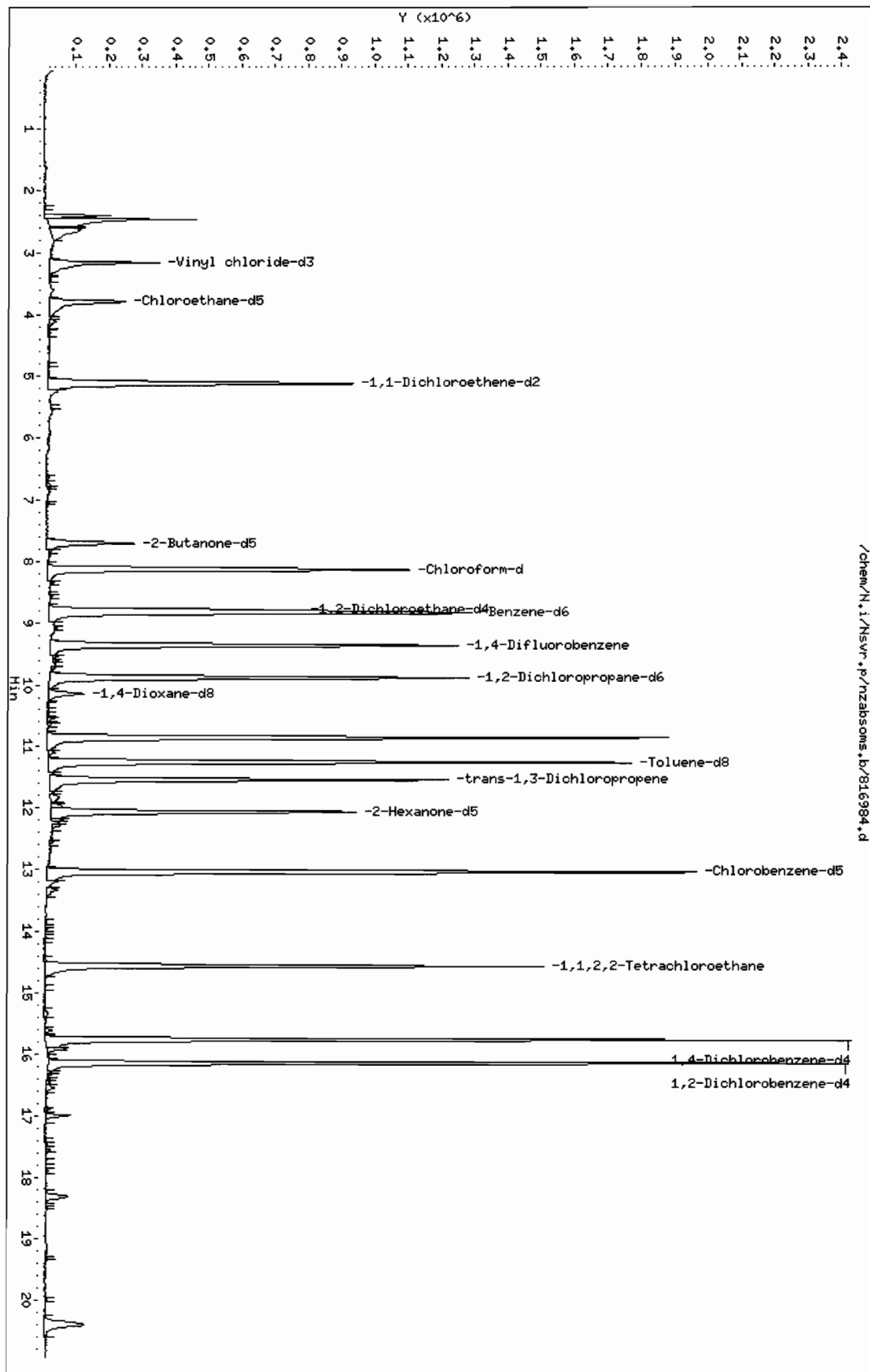
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.84	90	JXB
03		Unknown	20.39	7.1	J
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 (1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/N.i/Nsyr.p/nzabsoms.b/816984.d
 Date : 15-JAN-2010 13:57
 Client ID: SB03 210-211
 Sample Info: ISCO SB03 210-211 : (101/07/10 @1050(SOIL))
 Column phase: DB-624

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



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzabsoms.b/816984.d
Lab Smp Id: 816984 Client Smp ID: SB03 210-211
Inj Date : 15-JAN-2010 13:57
Operator : JPl Inst ID: N.i
Smp Info : ISCO SB03 210-211 : [] 01/07/10 @1050(SOIL)
Misc Info : 816984,011510NQ,1,4.41
Comment :
Method : /chem/N.i/Nsvr.p/nzabsoms.b/soms4.m
Meth Date : 28-Jan-2010 10:36 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: $\text{Amt} * \text{DF} * \text{Uf} * \text{X} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	4.41000	Weight of sample extracted (g)
M	9.00000	% Moisture (not decanted)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/kg)
1 Dichlorodifluoromethane	85				Compound Not Detected.		
2 Chloromethane	50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	3.159	3.145	(0.337)	672157	21.7700	54
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	3.790	3.766	(0.405)	602074	23.8745	59
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	5.120	5.116	(0.547)	1494829	18.9246	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	5.258	5.244	(0.561)	40197	4.21716	11(a)
13 Carbon disulfide	76				Compound Not Detected.		

Compounds	QUANT SIG	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	7.711	7.707	(0.823)	675640	47.9588	120
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	8.135	8.130	(0.869)	1597673	23.8477	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	8.795	8.790	(0.939)	707387	24.7391	62
\$ 29 Benzene-d6	84	8.834	8.830	(0.678)	1820674	24.7191	62
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	9.366	9.352	(1.000)	1689932	25.0000	
33 Trichloroethene	95				Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67	9.878	9.864	(0.759)	1126624	26.8615	67
35 Methylcyclohexane	55				Compound Not Detected.		
36 1,2-Dichloropropane	63				Compound Not Detected.		
\$ 37 1,4-Dioxane-d8	96	10.134	10.120	(1.082)	138499	548.474	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	11.248	11.234	(0.864)	2118027	24.9541	62
43 Toluene	91				Compound Not Detected.		
\$ 44 trans-1,3-Dichloropropene-d4	79	11.533	11.519	(0.886)	1212887	24.7229	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	12.055	12.041	(0.926)	628978	50.5168	130
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	13.021	13.017	(1.000)	1864997	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	14.548	14.534	(1.117)	1596721	24.0548	60
61 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		

Compounds	QUANT SIG	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	15.750	15.746	(1.000)	983762	25.0000	
64 1,4-Dichlorobenzene	146		Compound Not Detected.				
\$ 65 1,2-Dichlorobenzene-d4	152	16.124	16.120	(1.024)	919704	25.1479	63
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/nzabsoms.b/816984.d
Lab Smp Id: 816984 Client Smp ID: SB03 210-211
Inj Date : 15-JAN-2010 13:57
Operator : JPl Inst ID: N.i
Smp Info : ISCO SB03 210-211 : [] 01/07/10 @1050(SOIL)
Misc Info : 816984,011510NQ,1,4.41
Comment :
Method : /chem/N.i/Nsvr.p/nzabsoms.b/soms4.m
Meth Date : 28-Jan-2010 10:36 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	4.41000	Weight of sample extracted (g)
M	9.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	9.366	4393907	25.000
* 63 1,4-Dichlorobenzene-d4	15.750	6694508	25.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL (ug/L)	FINAL (ug/kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown				CAS #:			
10.844	6364337	36.2111429	90	0		0	32

Data File: /chem/N.i/Nsvr.p/nzabsoms.b/816984.d
Report Date: 28-Jan-2010 10:36

Page 5

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL (ug/L)	FINAL (ug/kg)		LIBRARY	LIB ENTRY	
====	====	=====	=====	====	=====	=====	=====
Unknown					CAS #:		
20.390	763393	2.85081702	7.1	0		0	63

Data File: /chem/N.i/Nsvr.p/nzabsoms,b/816984.d

Page 7

Date : 15-JAN-2010 13:57

Client ID: SB03 210-211

Instrument: N.i

Sample Info: ISCO SB03 210-211 :[101/07/10 @1050(SOIL)

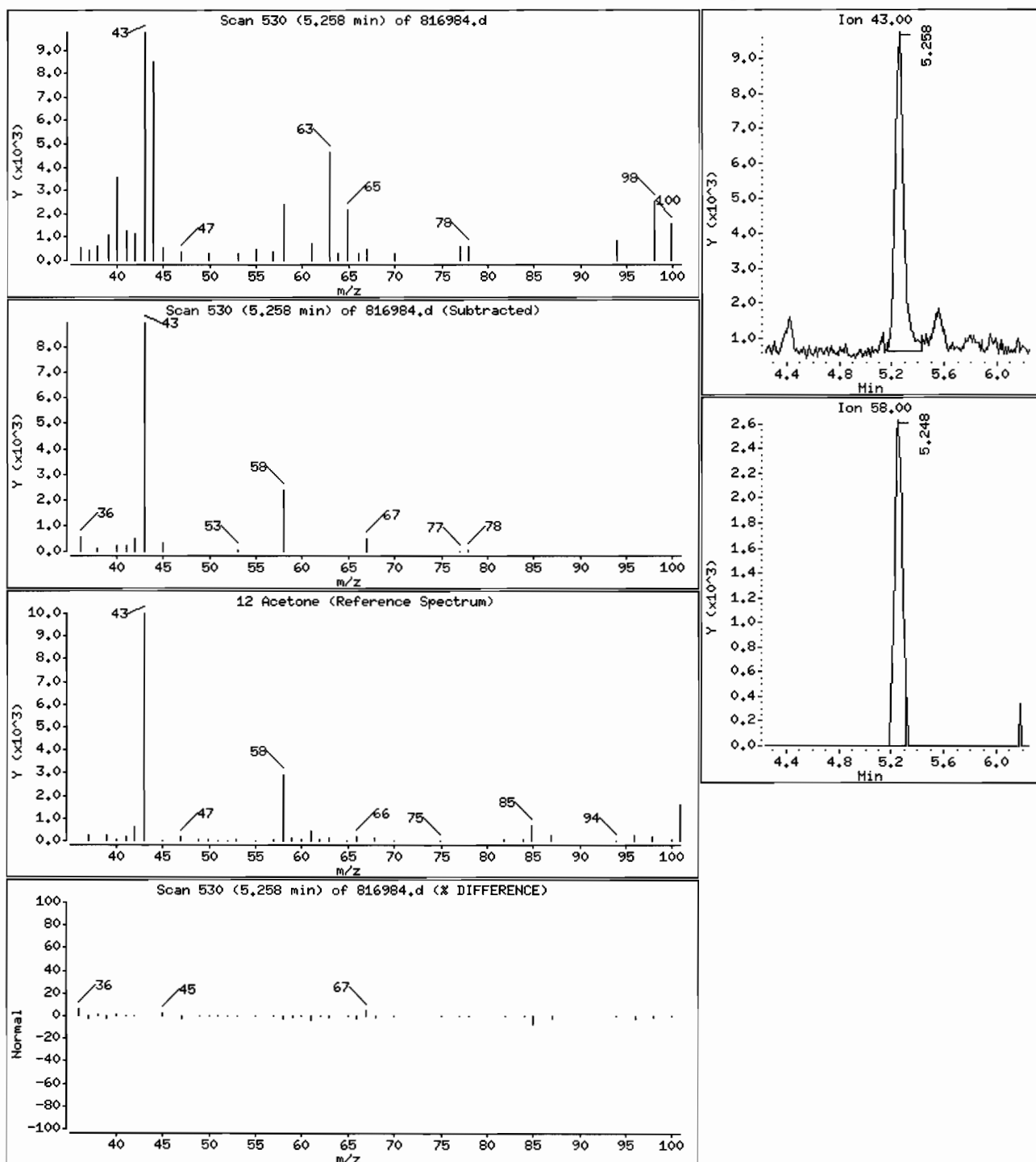
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 11 ug/kg



Date : 15-JAN-2010 13:57

Client ID: SB03 210-211

Instrument: N.i

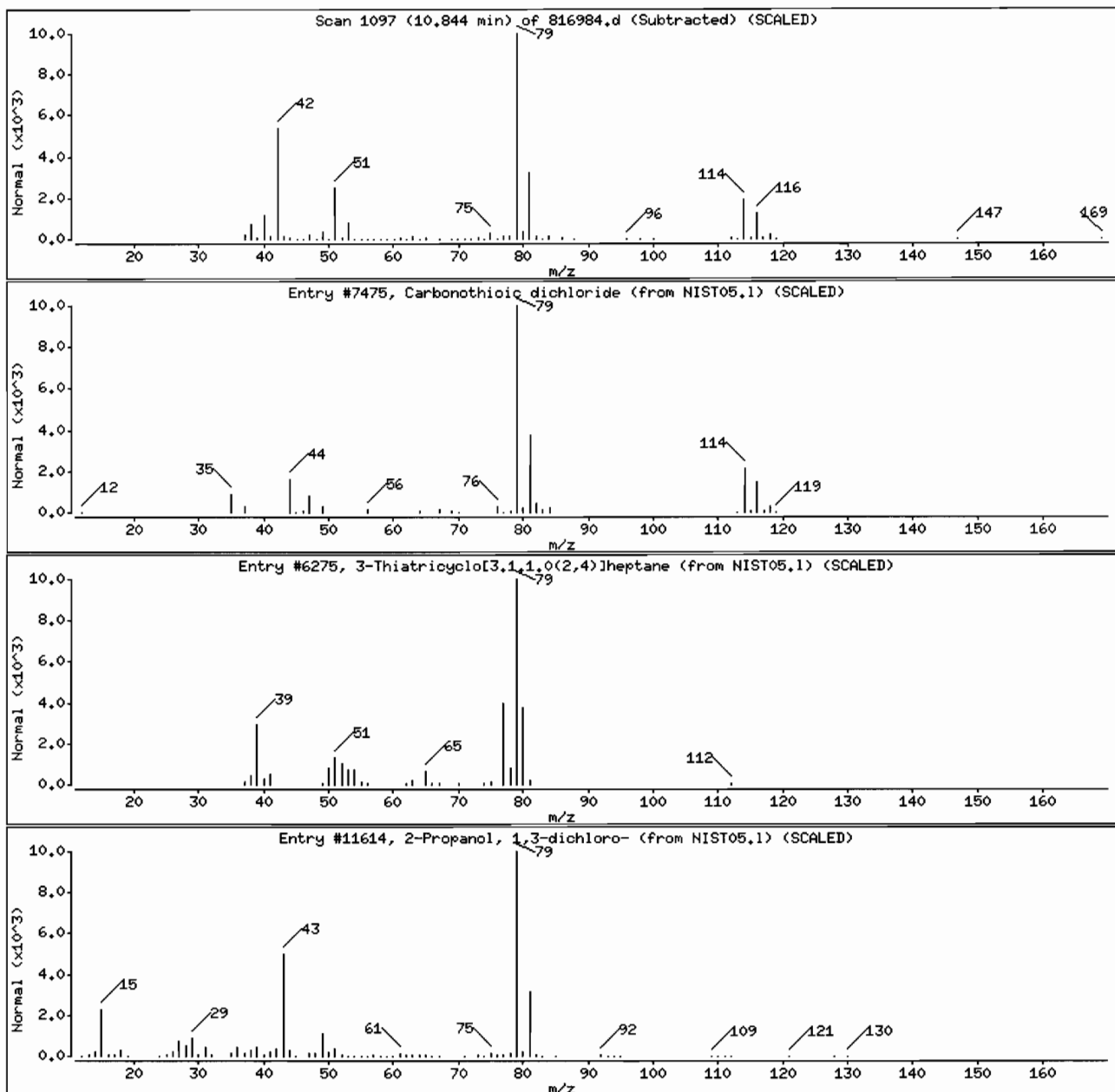
Sample Info: ISCO SB03 210-211 :[101/07/10 @1050(SOIL)

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	49	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11614	9	C ₃ H ₆ Cl ₂ O	128



Date : 15-JAN-2010 13:57

Client ID: SB03 210-211

Instrument: N.i

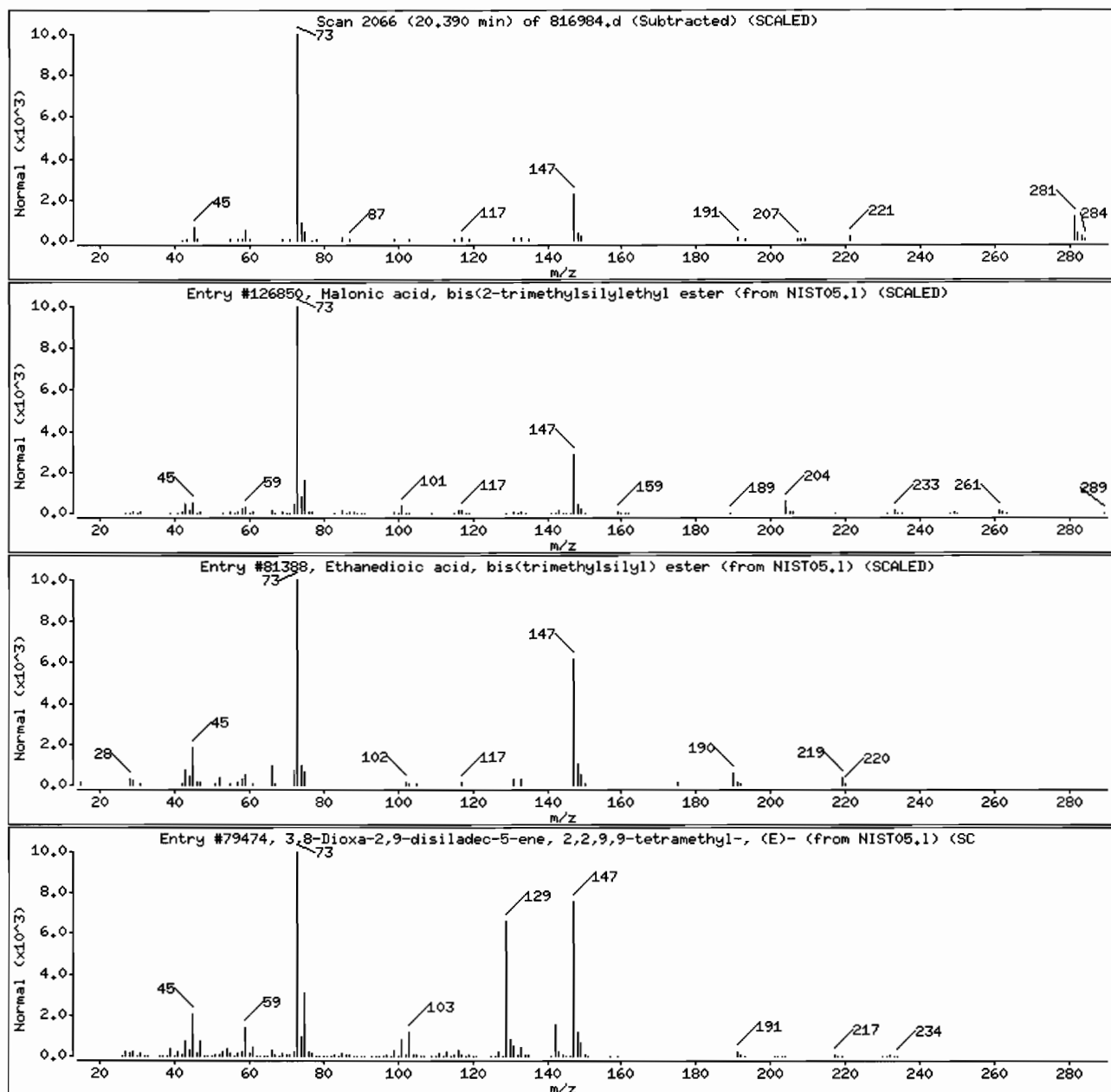
Sample Info: ISCO SB03 210-211 :[101/07/10 @1050(SOIL)

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Malonic acid, bis(2-trimethylsilylethyl	90744-45-9	NIST05.1	126850	50	C ₁₃ H ₂₈ O ₄ Si ₂	304
Ethanedioic acid, bis(trimethylsilyl) es	18294-04-7	NIST05.1	81388	40	C ₈ H ₁₈ O ₄ Si ₂	234
3,8-Dioxa-2,9-disiladec-5-ene, 2,2,9,9-t	53326-59-3	NIST05.1	79474	33	C ₁₀ H ₂₄ O ₂ Si ₂	232



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

EPA SAMPLE NO.

SB03 220-221

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Soil

Lab Sample ID: 816985

Sample wt/vol: 5.03 (g/mL) g

Lab File ID: 816985

Level: (TRACE/LOW/MED) LOW

Date Received: 01/08/2010

% Moisture: not dec. 7.0

Date Analyzed: 01/15/2010

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	11	U
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.

SB03 220-221

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Soil

Lab Sample ID: 816985

Sample wt/vol: 5.03 (g/mL) g

Lab File ID: 816985

Level: (TRACE/LOW/MED) LOW

Date Received: 01/08/2010

% Moisture: not dec. 7.0

Date Analyzed: 01/15/2010

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.
SB03 220-221

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135376
Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 816985
Sample wt/vol: 5.03 (g/mL) g Lab File ID: 816985
Level: (TRACE or LOW/MED) LOW Date Received: 01/08/2010
% Moisture: not dec. 7.0 Date Analyzed: 01/15/2010
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)

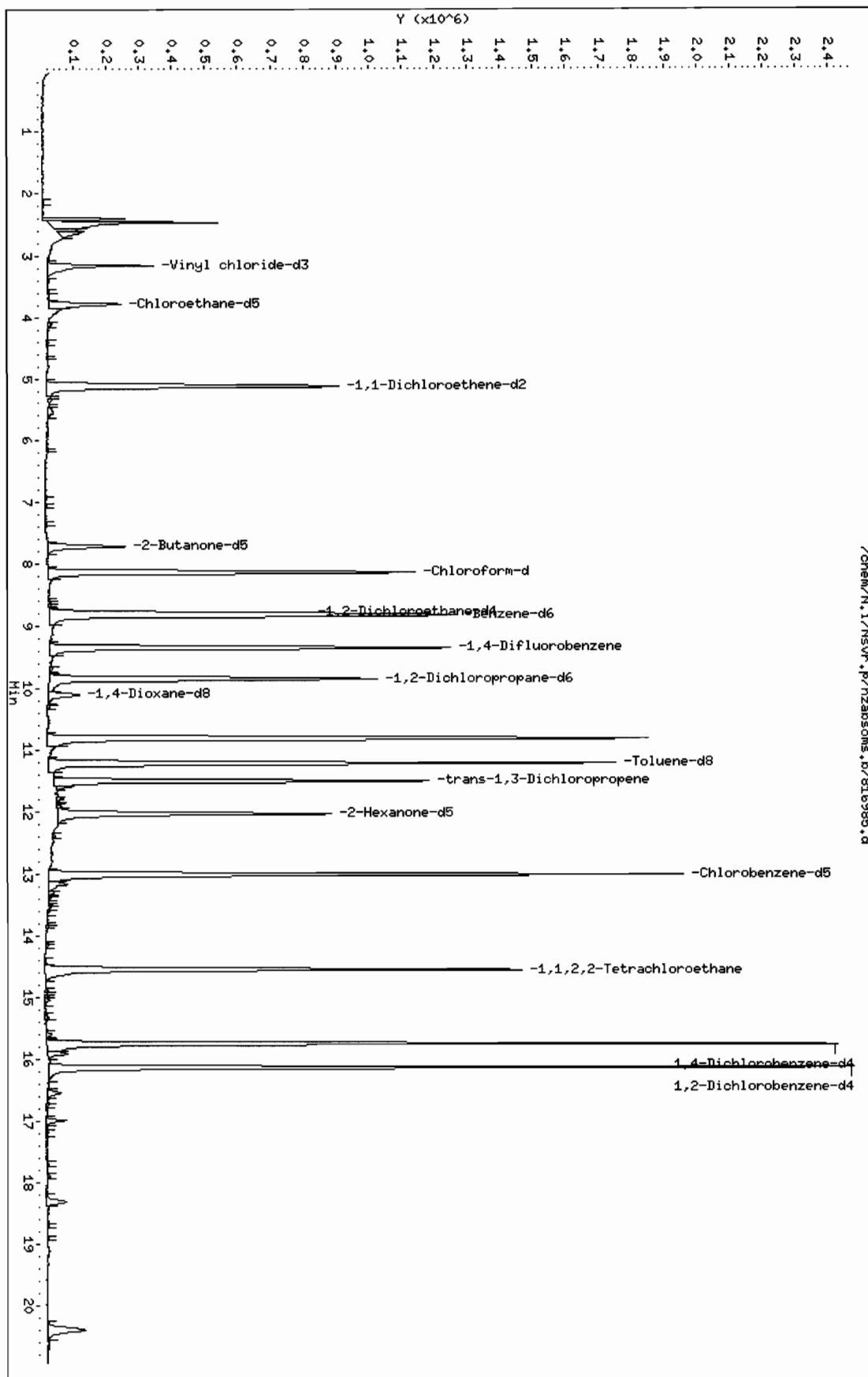
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.80	80	JXB
03		Unknown	20.39	5.6	J
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/N.i/Nsyr.p/nzabsoms.b/816985.d
 Date: 15-JAN-2010 14:25
 Client ID: SB03 220-221
 Sample Info: ISCO SB03 220-221 (101/07/10 01330(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/nzabsoms.b/816985.d
Lab Smp Id: 816985 Client Smp ID: SB03 220-221
Inj Date : 15-JAN-2010 14:25
Operator : JP1 Inst ID: N.i
Smp Info : ISCO SB03 220-221 : [] 01/07/10 @1330(SOIL)
Misc Info : 816985,011510NQ,1,5.03
Comment :
Method : /chem/N.i/Nsvr.p/nzabsoms.b/soms4.m
Meth Date : 28-Jan-2010 10:36 jdl Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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	7.00000	% Moisture (not decanted)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/kg)
1 Dichlorodifluoromethane	85							
2 Chloromethane	50							
\$ 3 Vinyl chloride-d3	65		3.154	3.145	(0.338)	659059	21.9473	47
4 Vinyl chloride	62							
5 Bromomethane	94							
\$ 6 Chloroethane-d5	69		3.785	3.766	(0.406)	585057	23.8535	51
7 Chloroethane	64							
8 Trichlorofluoromethane	101							
\$ 9 1,1-Dichloroethene-d2	63		5.124	5.116	(0.549)	1422216	18.5128	40
10 1,1-Dichloroethene	96							
11 1,1,2-Trichloro-1,2,2-trifluo	101							
12 Acetone	43							
13 Carbon disulfide	76							

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	7.706	7.707	(0.826)			630912	46.0460	98
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	8.129	8.130	(0.871)			1571849	24.1235	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	8.779	8.790	(0.941)			693053	24.9209	53
\$ 29 Benzene-d6	84	8.819	8.830	(0.679)			1781125	25.0526	54
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)			1643610	25.0000	
33 Trichloroethene	95						Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67	9.833	9.864	(0.757)			897524	22.1696	47
35 Methylcyclohexane	55						Compound Not Detected.		
36 1,2-Dichloropropane	63						Compound Not Detected.		
\$ 37 1,4-Dioxane-d8	96	10.099	10.120	(1.082)			119049	484.737	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	11.203	11.234	(0.862)			2095293	25.5749	55
43 Toluene	91						Compound Not Detected.		
\$ 44 trans-1,3-Dichloropropene-d4	79	11.489	11.519	(0.884)			1185222	25.0287	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	12.021	12.041	(0.925)			600402	49.9576	110
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	12.996	13.017	(1.000)			1800191	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	14.543	14.534	(1.119)			1577183	24.6158	53
61 1,1,2,2-Tetrachloroethane	83						Compound Not Detected.		

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/kg)
=====	=====	==	=====	=====	=====	=====	=====	=====
62 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 63 1,4-Dichlorobenzene-d4	152		15.744	15.746	(1.000)	991029	25.0000	
64 1,4-Dichlorobenzene	146		Compound Not Detected.					
\$ 65 1,2-Dichlorobenzene-d4	152		16.119	16.120	(1.024)	927237	25.1679	54
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.

Data File: /chem/N.i/Nsvr.p/nzabsoms.b/816985.d
Report Date: 28-Jan-2010 10:36

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzabsoms.b/816985.d
Lab Smp Id: 816985 Client Smp ID: SB03 220-221
Inj Date : 15-JAN-2010 14:25
Operator : JP1 Inst ID: N.i
Smp Info : ISCO SB03 220-221 :[]01/07/10 @1330(SOIL)
Misc Info : 816985,011510NQ,1,5.03
Comment :
Method : /chem/N.i/Nsvr.p/nzabsoms.b/soms4.m
Meth Date : 28-Jan-2010 10:36 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.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 * 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	7.00000	% Moisture (not decanted)

Cpnd Variable

Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	9.331	4175999	25.000
* 63 1,4-Dichlorobenzene-d4	15.744	6772519	25.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		
		ON-COL (ug/L)	FINAL (ug/kg)		LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
10.799	6216224	37.2139859	80	0		0	32

Data File: /chem/N.i/Nsvr.p/nzabsoms.b/816985.d
Report Date: 28-Jan-2010 10:36

Page 5

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ug/L)	FINAL(ug/kg)		LIBRARY	LIB ENTRY	
====	====	=====	=====	====	=====	=====	=====
Unknown					CAS #:		
20.394	710426	2.62245694	5.6	0		0	63

Date : 15-JAN-2010 14:25

Client ID: SB03 220-221

Instrument: N.i

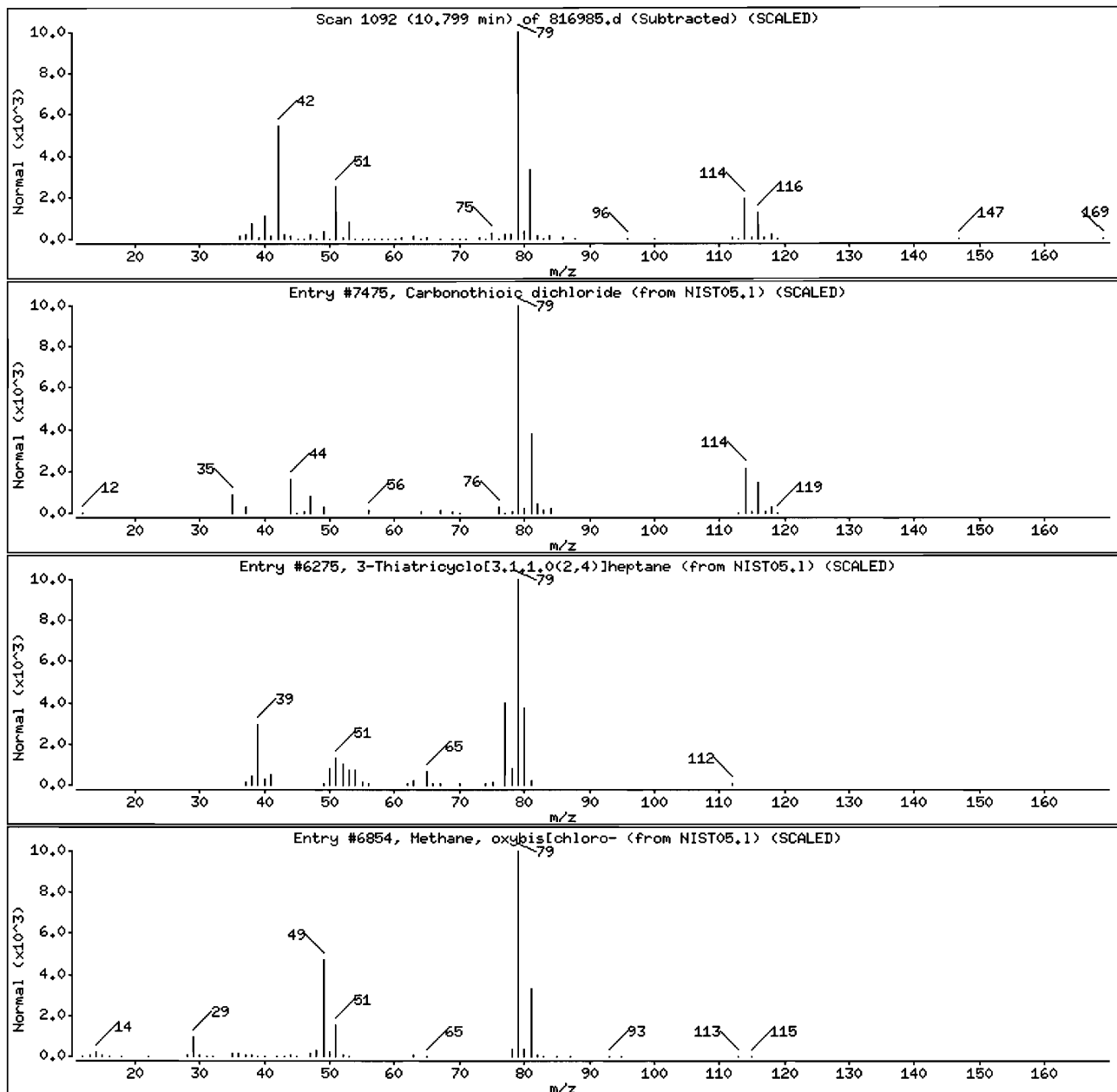
Sample Info: ISCO SB03 220-221 :[101/07/10 @1330(SOIL)

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonythioic dichloride	463-71-8	NIST05.1	7475	50	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	23	C ₂ H ₄ Cl ₂ O	114



Date : 15-JAN-2010 14:25

Client ID: SB03 220-221

Instrument: N.i

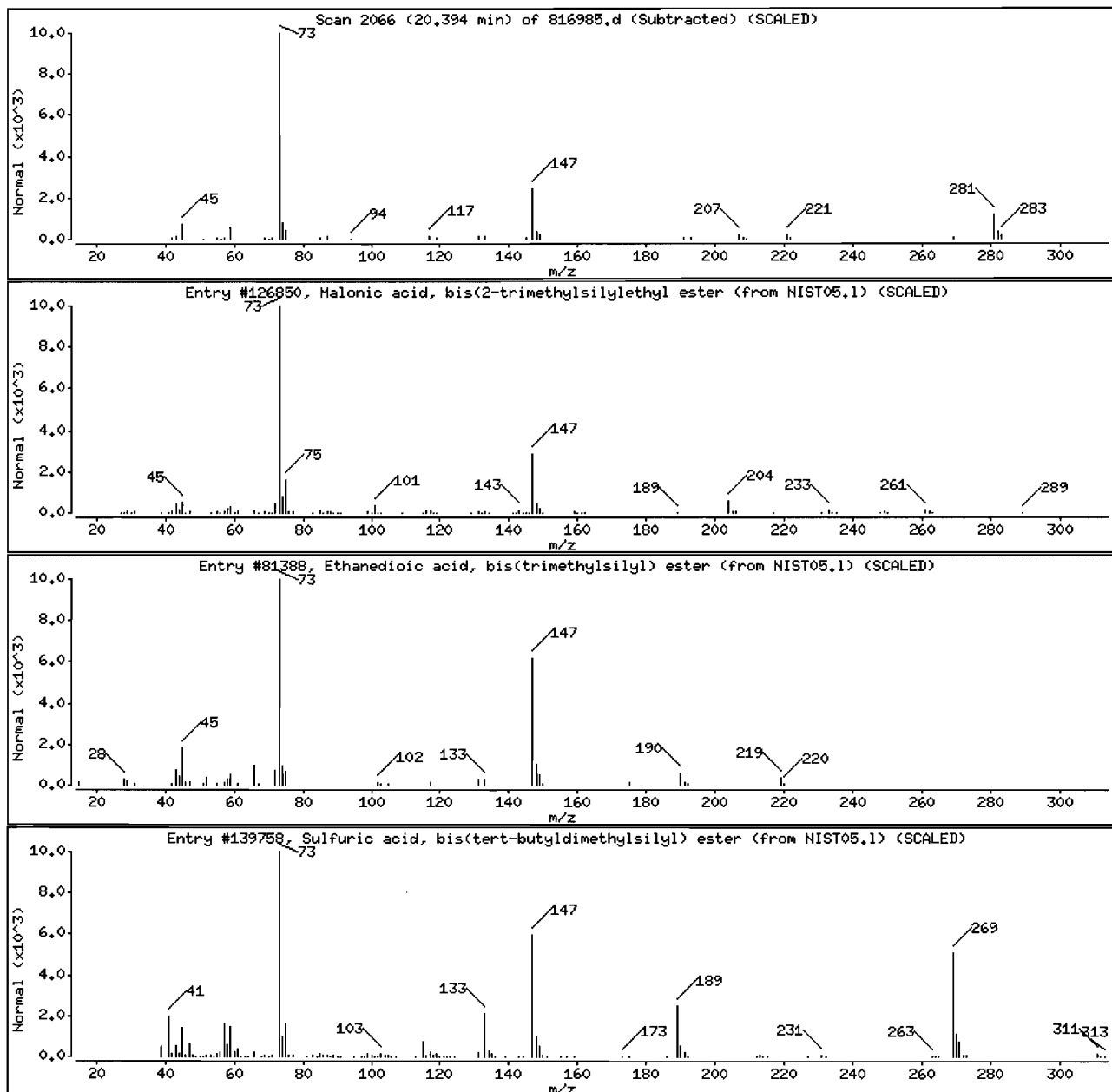
Sample Info: ISCO SB03 220-221 :[101/07/10 @1330(SOIL)

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Malonic acid, bis(2-trimethylsilyl)ethyl	90744-45-9	NIST05.1	126850	50	C ₁₃ H ₂₈ O ₄ Si ₂	304
Ethanedioic acid, bis(trimethylsilyl) es	18294-04-7	NIST05.1	81388	33	C ₈ H ₁₈ O ₄ Si ₂	234
Sulfuric acid, bis(tert-butyl)dimethylsil	85207-88-1	NIST05.1	139758	33	C ₁₂ H ₃₀ O ₄ Si ₂	326



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

EPA SAMPLE NO.

SB03 230-231

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Soil

Lab Sample ID: 816986

Sample wt/vol: 5.09 (g/mL) g

Lab File ID: 816986

Level: (TRACE/LOW/MED) LOW

Date Received: 01/08/2010

% Moisture: not dec. 5.0

Date Analyzed: 01/15/2010

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	5.2	U
74-87-3	Chloromethane	5.2	U
75-01-4	Vinyl chloride	5.2	U
74-83-9	Bromomethane	5.2	U
75-00-3	Chloroethane	5.2	U
75-69-4	Trichlorofluoromethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U
67-64-1	Acetone	7.1	J
75-15-0	Carbon disulfide	5.2	U
79-20-9	Methyl acetate	5.2	U
75-09-2	Methylene chloride	5.2	U
156-60-5	trans-1,2-Dichloroethene	5.2	U
1634-04-4	Methyl tert-butyl ether	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
156-59-2	cis-1,2-Dichloroethene	5.2	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.2	U
67-66-3	Chloroform	5.2	U
71-55-6	1,1,1-Trichloroethane	5.2	U
110-82-7	Cyclohexane	5.2	U
56-23-5	Carbon tetrachloride	5.2	U
71-43-2	Benzene	5.2	U
107-06-2	1,2-Dichloroethane	5.2	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.

SB03 230-231

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Soil

Lab Sample ID: 816986

Sample wt/vol: 5.09 (g/mL) g

Lab File ID: 816986

Level: (TRACE/LOW/MED) LOW

Date Received: 01/08/2010

% Moisture: not dec. 5.0

Date Analyzed: 01/15/2010

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	5.2	U
108-87-2	Methylcyclohexane	5.2	U
78-87-5	1,2-Dichloropropane	5.2	U
75-27-4	Bromodichloromethane	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.2	U
10061-02-6	trans-1,3-Dichloropropene	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
127-18-4	Tetrachloroethene	5.2	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.2	U
106-93-4	1,2-Dibromoethane	5.2	U
108-90-7	Chlorobenzene	5.2	U
100-41-4	Ethylbenzene	5.2	U
95-47-6	o-Xylene	5.2	U
179601-23-1	m,p-Xylene	5.2	U
100-42-5	Styrene	5.2	U
75-25-2	Bromoform	5.2	U
98-82-8	Isopropylbenzene	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	U
96-12-8	1,2-Dibromo-3-chloropropane	5.2	U
120-82-1	1,2,4-Trichlorobenzene	5.2	U
87-61-6	1,2,3-Trichlorobenzene	5.2	U

SOM01.2

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

EPA SAMPLE NO. SB03 230-231

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135376

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 816986

Sample wt/vol: 5.09 (g/mL) g Lab File ID: 816986

Level: (TRACE or LOW/MED) LOW Date Received: 01/08/2010

% Moisture: not dec. 5.0 Date Analyzed: 01/15/2010

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)

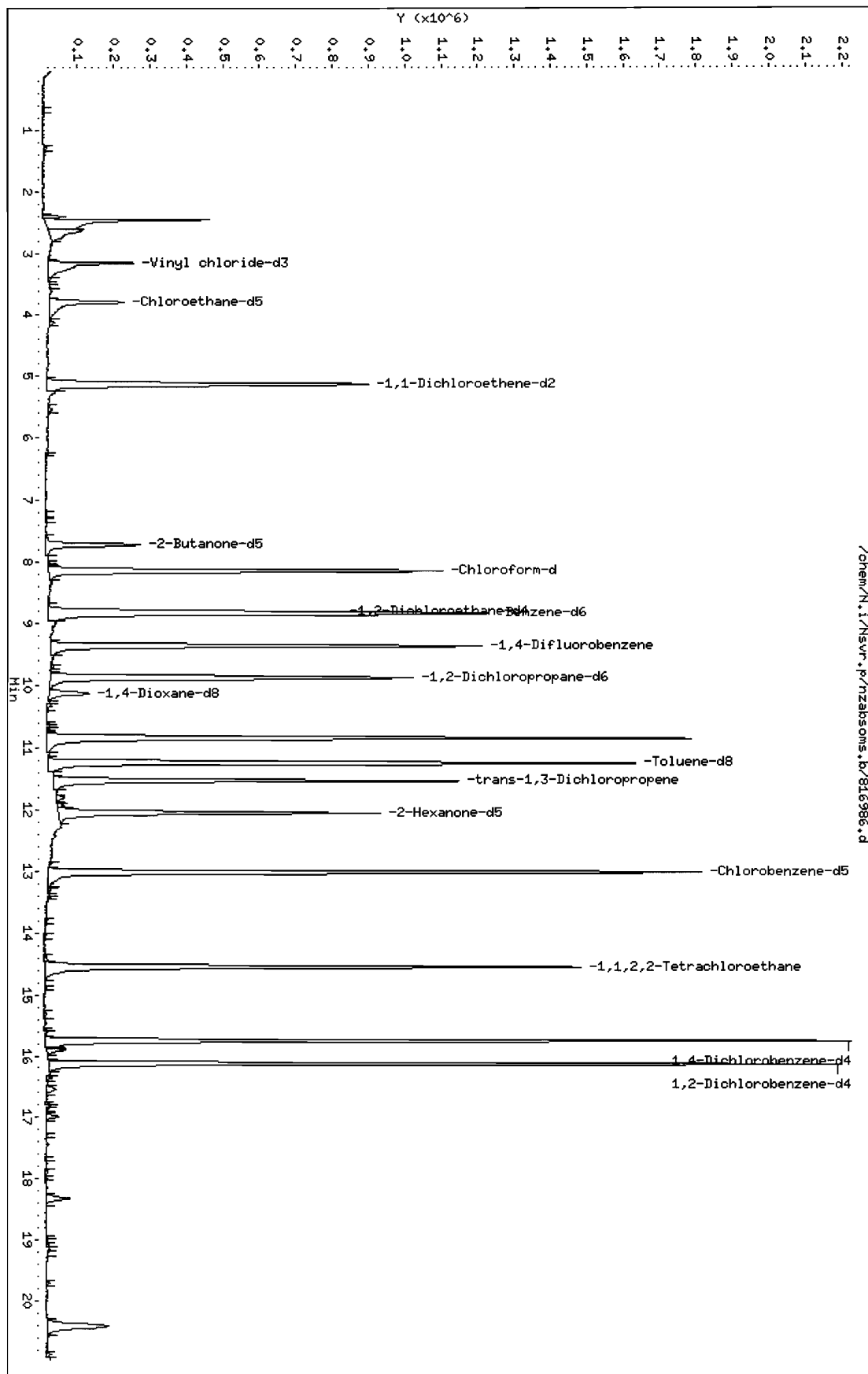
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02		Unknown	10.84	77	JXB
03		Unknown	20.40	8.4	J
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/N,i/Nsyr,p/nzabsoms,b/816986.d
 Date : 15-JAN-2010 14:54
 Client ID: SB03 230-231
 Sample Info: ISCO SB03 230-231 : (101/07/10 @1515(SOIL))
 Column phase: DB-624

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



Data File: /chem/N.i/Nsvr.p/nzabsoms.b/816986.d
Report Date: 28-Jan-2010 10:36

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzabsoms.b/816986.d
Lab Smp Id: 816986 Client Smp ID: SB03 230-231
Inj Date : 15-JAN-2010 14:54
Operator : JPl Inst ID: N.i
Smp Info : ISCO SB03 230-231 : []01/07/10 @1515(SOIL)
Misc Info : 816986,011510NQ,1,5.09
Comment :
Method : /chem/N.i/Nsvr.p/nzabsoms.b/soms4.m
Meth Date : 28-Jan-2010 10:36 jdl Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
X	10.00000	method volume factor
Ws	5.09000	Weight of sample extracted (g)
M	5.00000	% Moisture (not decanted)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/kg)	
1 Dichlorodifluoromethane	85							
2 Chloromethane	50							
\$ 3 Vinyl chloride-d3	65	3.161	3.145	(0.338)	663440	22.5978	47	
4 Vinyl chloride	62							
5 Bromomethane	94							
\$ 6 Chloroethane-d5	69	3.792	3.766	(0.405)	572486	23.8741	49	
7 Chloroethane	64							
8 Trichlorofluoromethane	101							
\$ 9 1,1-Dichloroethene-d2	63	5.122	5.116	(0.547)	1419646	18.9014	39	
10 1,1-Dichloroethene	96							
11 1,1,2-Trichloro-1,2,2-trifluo	101							
12 Acetone	43	5.250	5.244	(0.561)	31182	3.44040	7.1(a)	
13 Carbon disulfide	76							

Compounds	QUANT SIG	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	7.713	7.707	(0.824)	654157	48.8330	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	8.137	8.130	(0.869)	1576818	24.7525	51 (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	8.797	8.790	(0.940)	684251	25.1664	52
\$ 29 Benzene-d6	84	8.836	8.830	(0.679)	1757756	25.8012	53
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	9.358	9.352	(1.000)	1606908	25.0000	
33 Trichloroethene	95				Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67	9.870	9.864	(0.758)	958246	24.7008	51
35 Methylcyclohexane	55				Compound Not Detected.		
36 1,2-Dichloropropane	63				Compound Not Detected.		
\$ 37 1,4-Dioxane-d8	96	10.127	10.120	(1.082)	144549	602.009	1200
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	11.240	11.234	(0.864)	1999322	25.4668	53
43 Toluene	91				Compound Not Detected.		
\$ 44 trans-1,3-Dichloropropene-d4	79	11.516	11.519	(0.885)	1157042	25.4983	53
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	12.048	12.041	(0.926)	625809	54.3405	110
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	13.013	13.017	(1.000)	1725028	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	14.540	14.534	(1.117)	1607292	26.1788	54
61 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		

Compounds	QUANT SIG	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	15.742	15.746	(1.000)	888076	25.0000	
64 1,4-Dichlorobenzene	146				Compound Not Detected.		
\$ 65 1,2-Dichlorobenzene-d4	152	16.126	16.120	(1.024)	849654	25.7356	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.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzabsoms.b/816986.d
Lab Smp Id: 816986 Client Smp ID: SB03 230-231
Inj Date : 15-JAN-2010 14:54
Operator : JPl Inst ID: N.i
Smp Info : ISCO SB03 230-231 : [] 01/07/10 @1515(SOIL)
Misc Info : 816986,011510NQ,1,5.09
Comment :
Method : /chem/N.i/Nsvr.p/nzabsoms.b/soms4.m
Meth Date : 28-Jan-2010 10:36 jd1 Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 9
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	5.09000	Weight of sample extracted (g)
M	5.00000	% Moisture (not decanted)

Cpnd Variable

Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	9.358	4092643	25.000
* 63 1,4-Dichlorobenzene-d4	15.742	6074736	25.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		
		ON-COL(ug/L)	FINAL(ug/kg)		LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
10.836	6118039	37.3721751	77	0		0	32

Data File: /chem/N.i/Nsvr.p/nzabsoms.b/816986.d
Report Date: 28-Jan-2010 10:36

Page 5

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL (ug/L)	FINAL (ug/kg)		LIBRARY	LIB ENTRY	
====	====	=====	=====	====	=====	=====	=====
Unknown					CAS #:		
20.402	991091	4.07874153	8.4	0		0	63

Data File: /chem/N.i/Nsvr.p/nzabsons.b/816986.d

Page 7

Date : 15-JAN-2010 14:54

Client ID: SB03 230-231

Instrument: N.i

Sample Info: ISCO SB03 230-231 ;[101/07/10 @1515(SOIL)

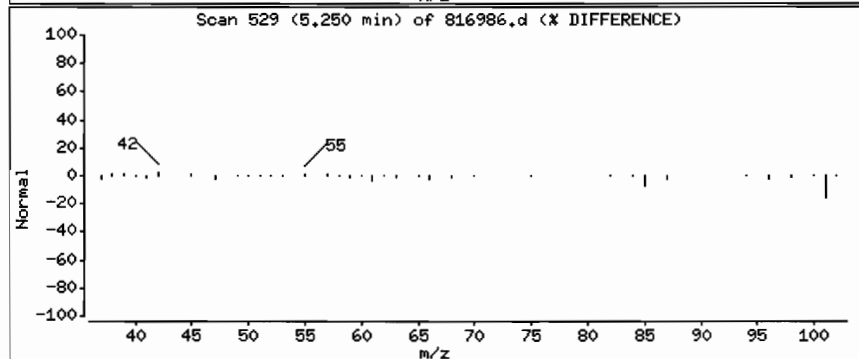
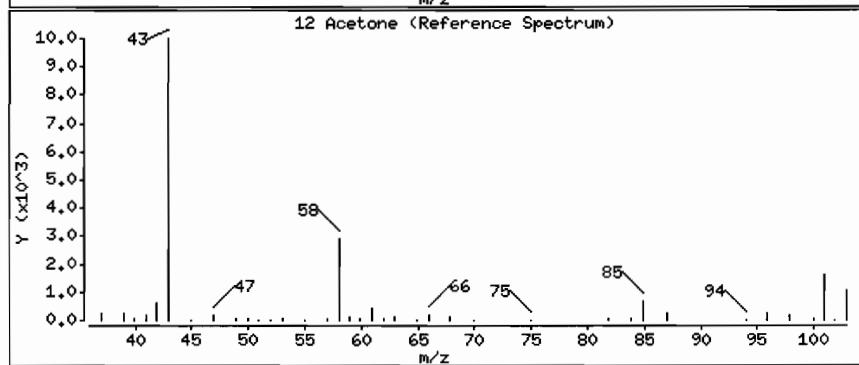
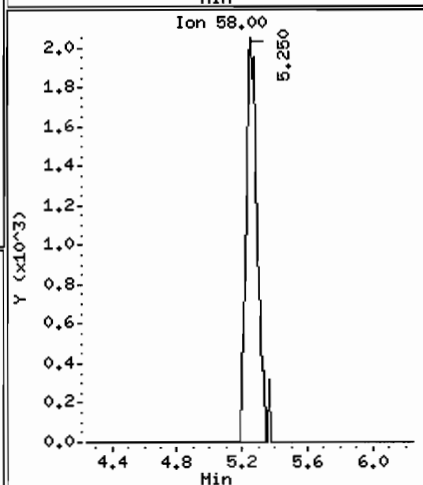
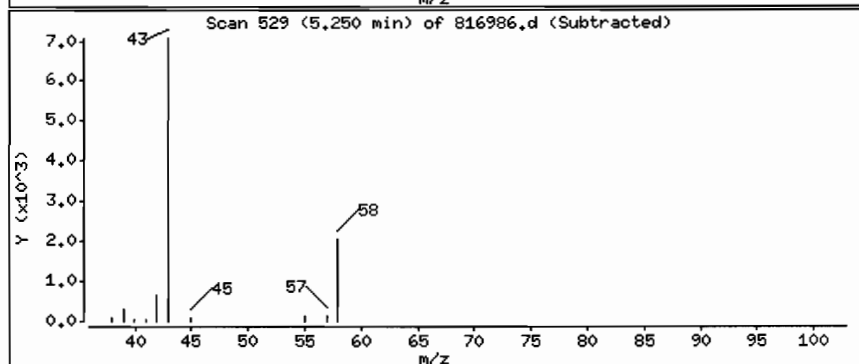
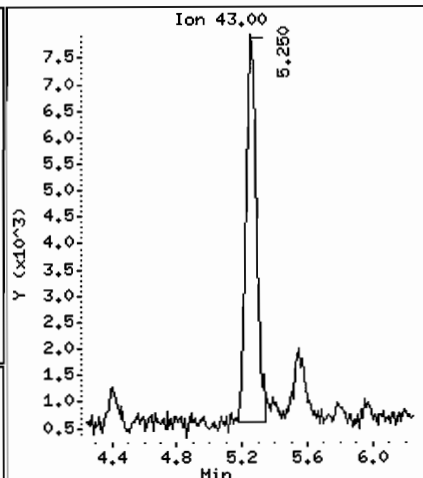
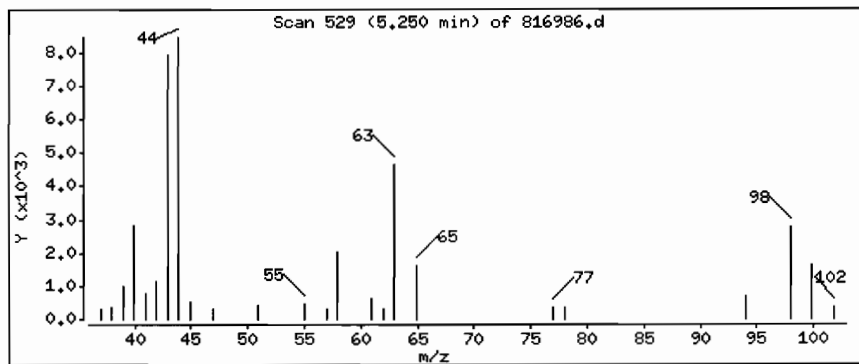
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 7.1 ug/kg



Data File: /chem/N.i/Hsvr.p/nzabsoms.b/816986.d

Page 8

Date : 15-JAN-2010 14:54

Client ID: SB03 230-231

Instrument: N.i

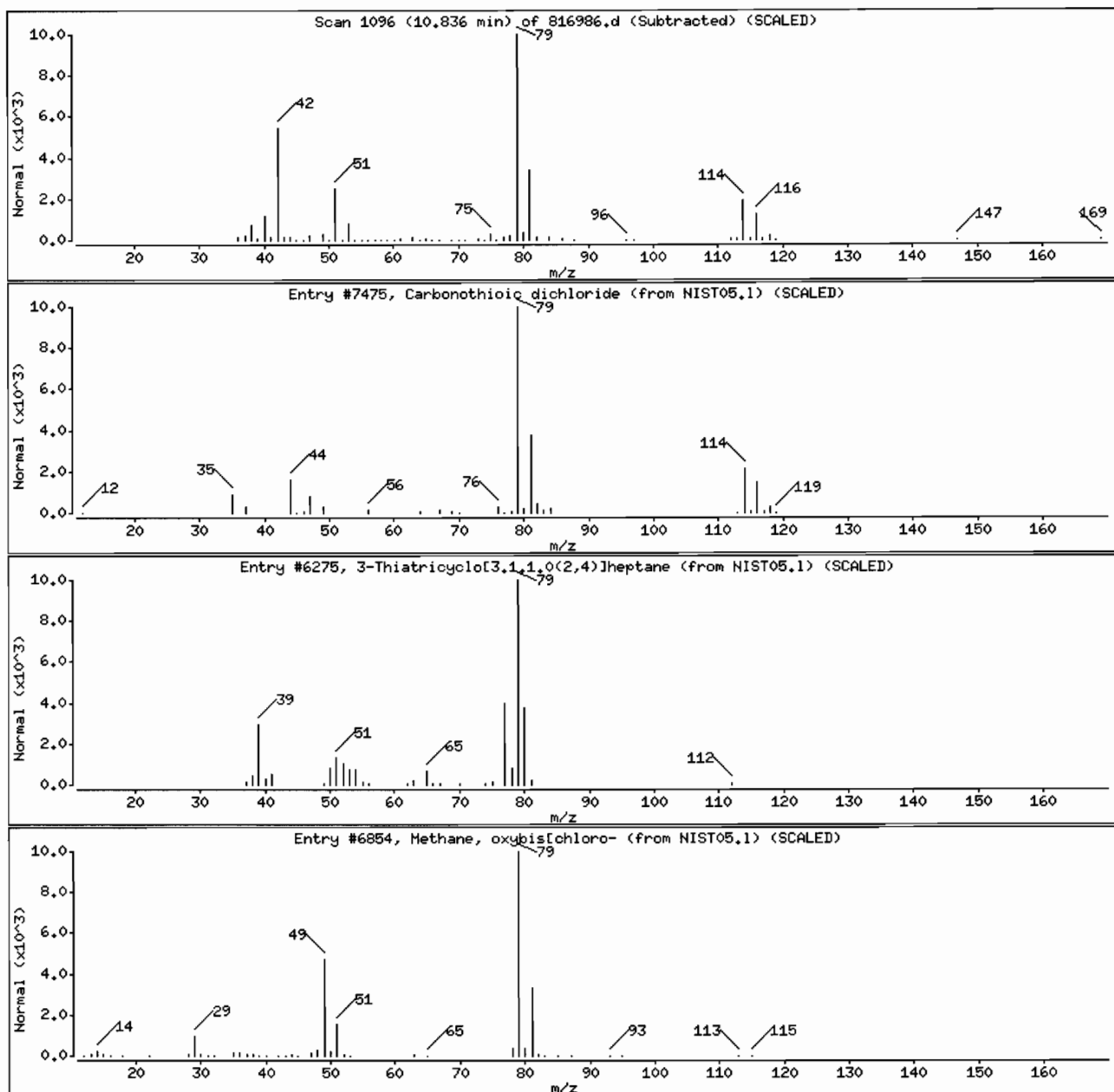
Sample Info: ISCO SB03 230-231 :[101/07/10 @1515(SOIL)

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonylthioic dichloride	463-71-8	NIST05.1	7475	52	CCl ₂ S	114
3-Thiatriacyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	23	C ₂ H ₄ Cl ₂ O	114



Date : 15-JAN-2010 14:54

Client ID: SB03 230-231

Instrument: N.i

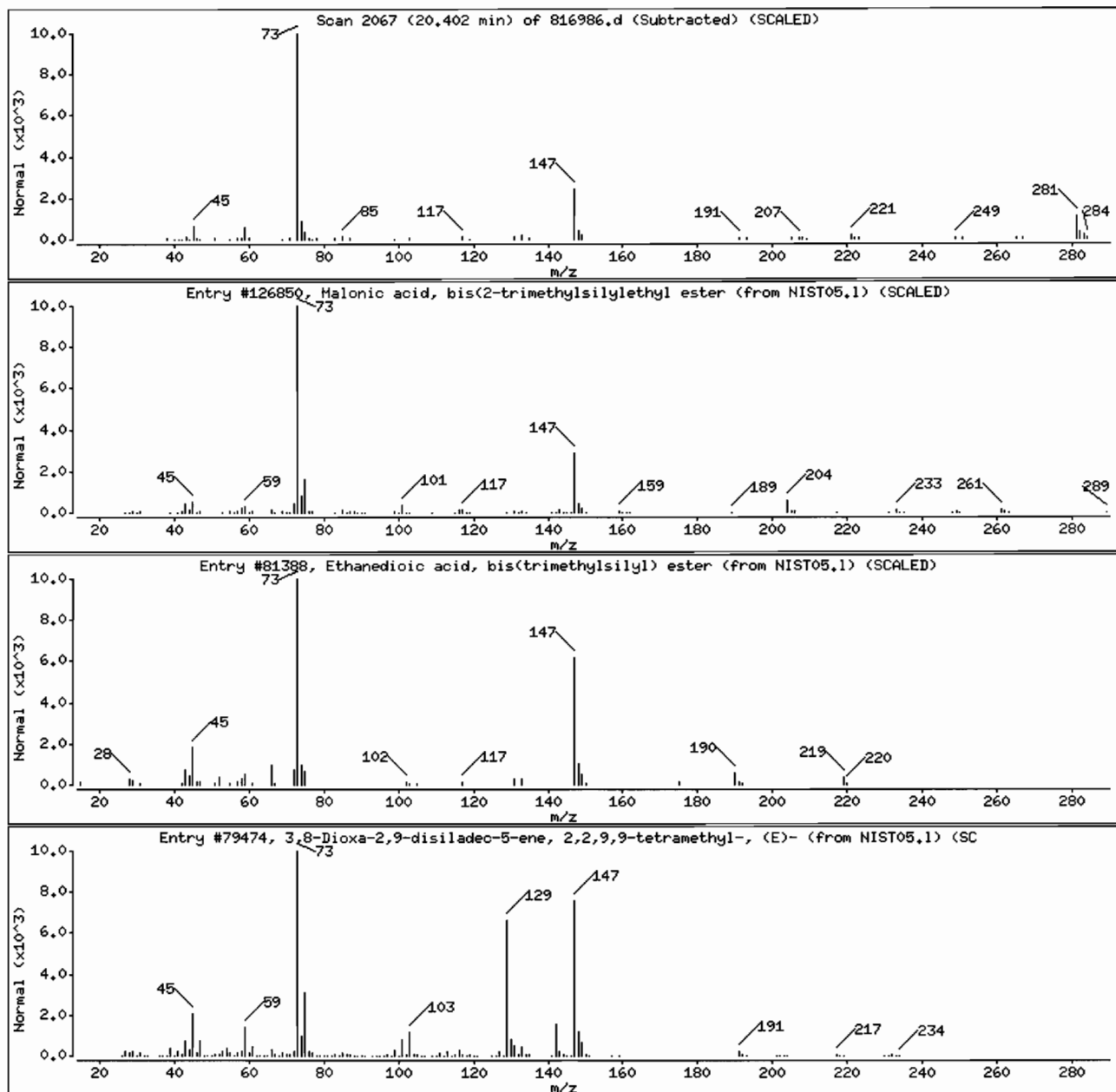
Sample Info: ISCO SB03 230-231 :[101/07/10 @1515(SOIL)

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Malonic acid, bis(2-trimethylsilylethyl	90744-45-9	NIST05.1	126850	47	C13H28O4Si2	304
Ethanedioic acid, bis(trimethylsilyl) es	18294-04-7	NIST05.1	81388	40	C8H18O4Si2	234
3,8-Dioxa-2,9-disiladec-5-ene, 2,2,9,9-t	53326-59-3	NIST05.1	79474	33	C10H24O2Si2	232





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.: 135376
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	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.: 135376
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	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.: 135376
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	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

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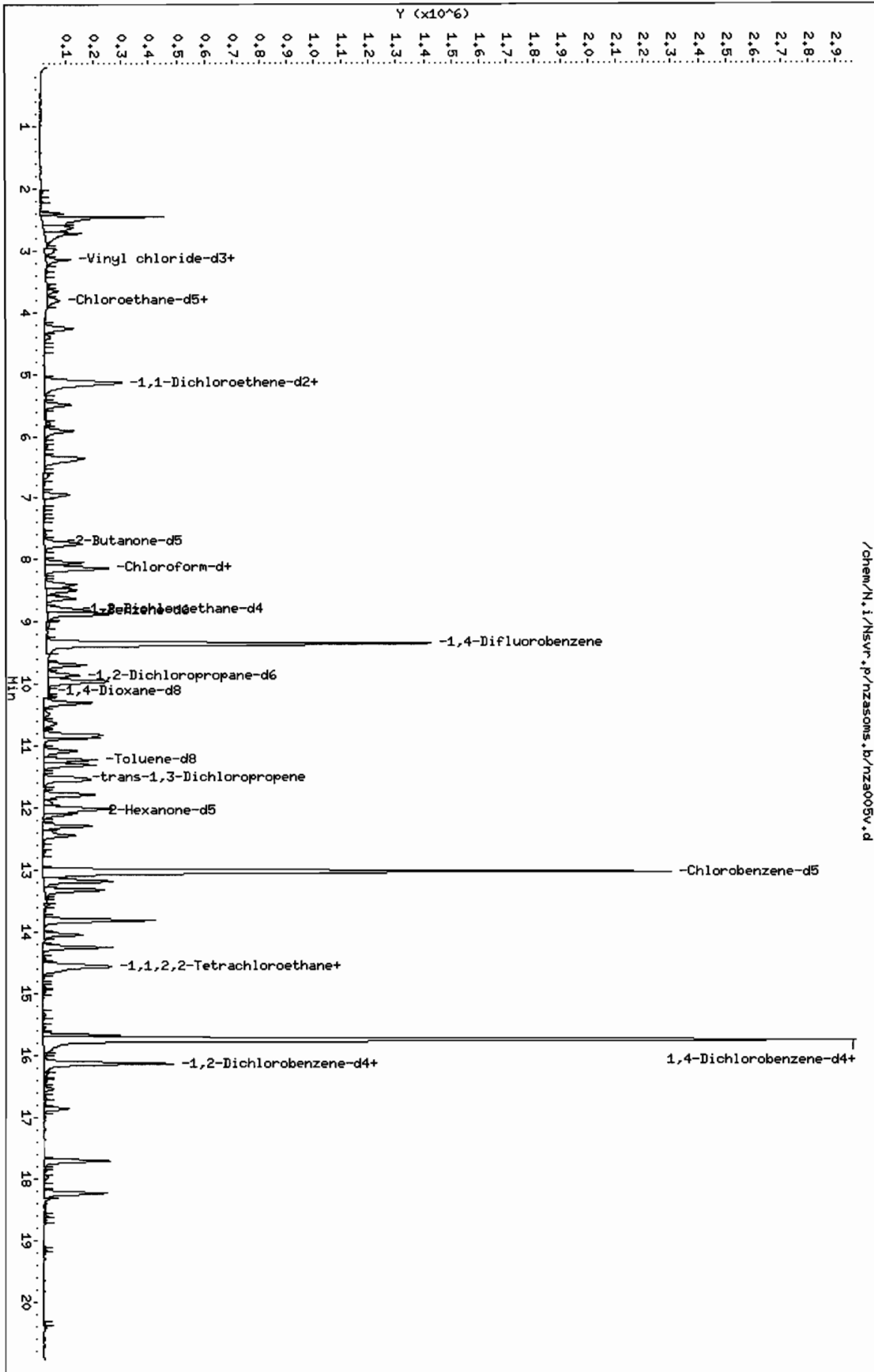
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/N.i/MSvr.p/nzasoms.b/nza005v.d
Date: 13-JAN-2010 17:04
Client ID: VSTD2.SMO
Sample Info:
Column phase: DB-624

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

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TestAmerica Burlington

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	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	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

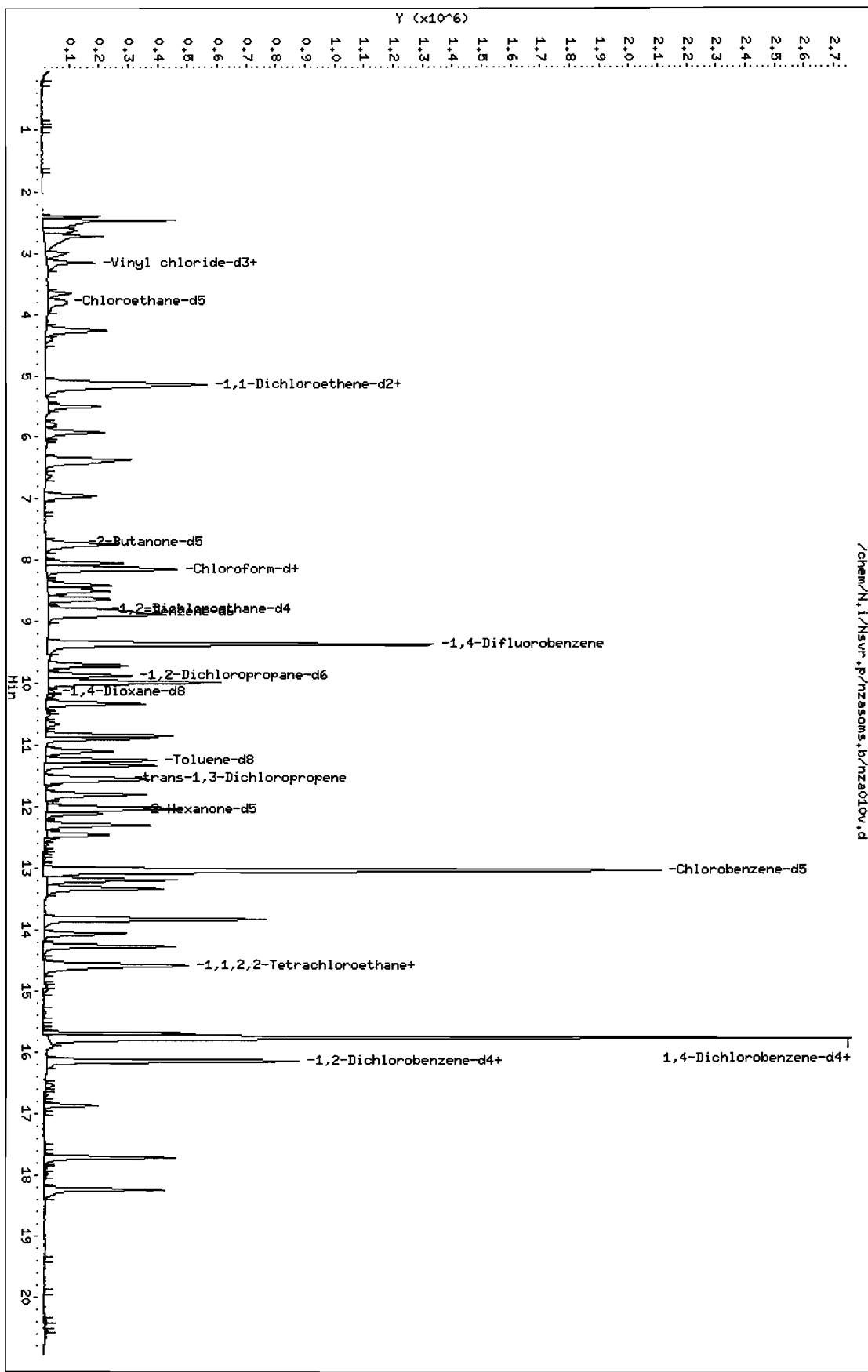
						AMOUNTS	
QUANT SIG						CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	----	==	-----	-----	-----	-----	-----
14 Methyl acetate	43	5.790	5.786	(0.619)	51871	2.50000	2.5
15 Methylene chloride	84	5.908	5.904	(0.632)	84129	2.50000	2.5
16 trans-1,2-Dichloroethene	96	6.351	6.347	(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)	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/hsrv.p/nzasoms.b/nza010v.d
Date: 13-JAN-2010 17:32
Client ID: VSTID005N0
Sample Info:

Column phase: DB-624

Instrument: N.i
Operator: JPL
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

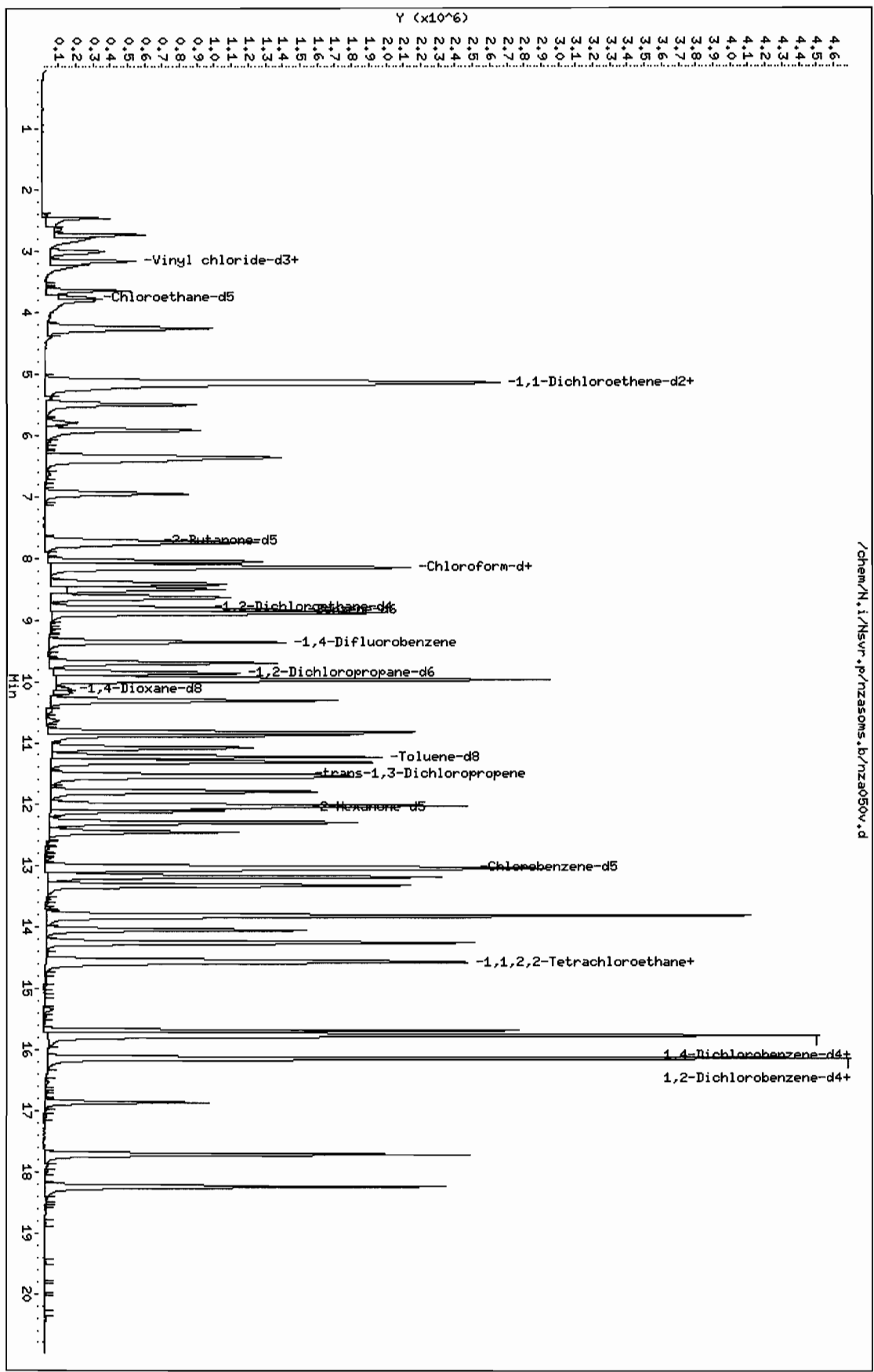
Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85		2.720	2.722	(0.291)	337224	5.00000	5.1
2 Chloromethane	50		2.986	2.988	(0.319)	186361	5.00000	5.2
\$ 3 Vinyl chloride-d3	65		3.144	3.145	(0.336)	164239	5.00000	5.2
4 Vinyl chloride	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

						AMOUNTS	
QUANT SIG						CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(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)	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/Nsyr,p/nzasoms,b/nza050v,d
Date : 13-JAN-2010 18:00
Client ID: VSTID025N0
Sample Info:
Column phase: DB-624

Instrument: N,i
Operator: JPL
Column diameter: 0.53



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)	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)	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					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	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

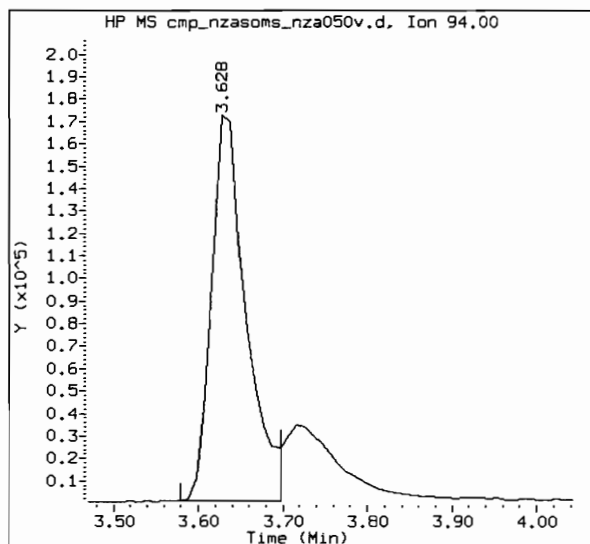
M - Compound response manually integrated.

MANUAL INTEGRATION REPORT

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

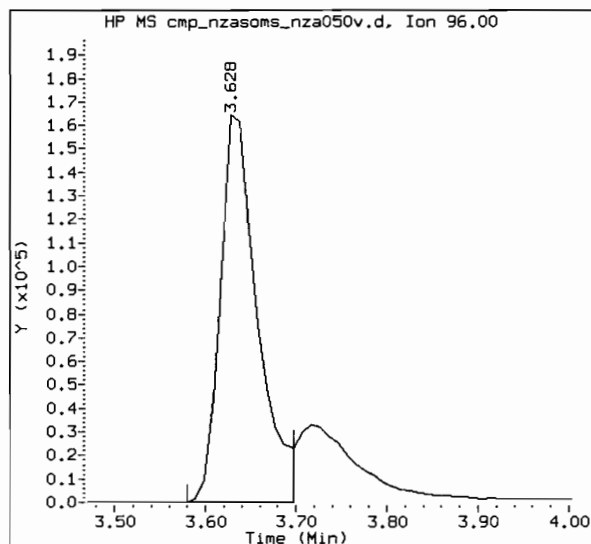
Inj. Date and Time: 13-JAN-2010 18:00
Instrument ID: N.i
CAS #: 74-83-9

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

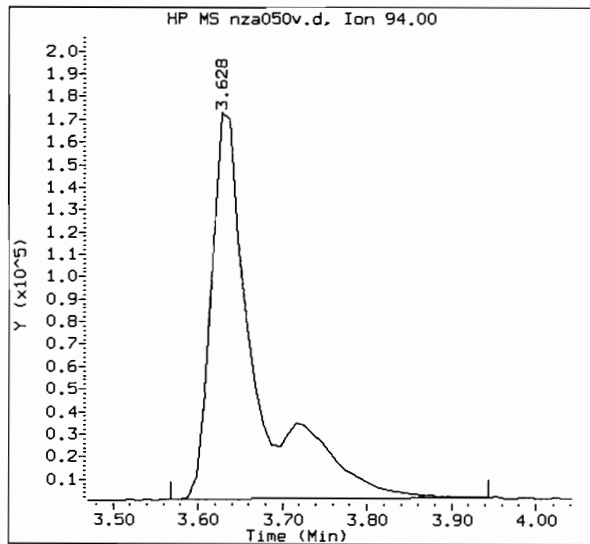


Original Integrations:

Area = 494053

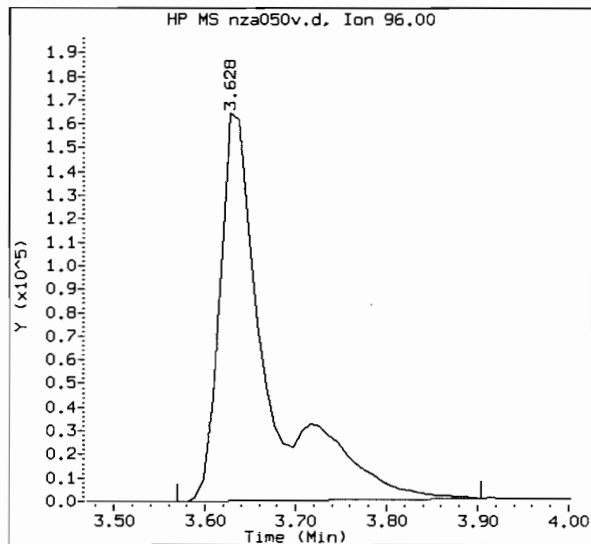


Area = 478539



Final Integrations:

Area = 634486



Area = 613743

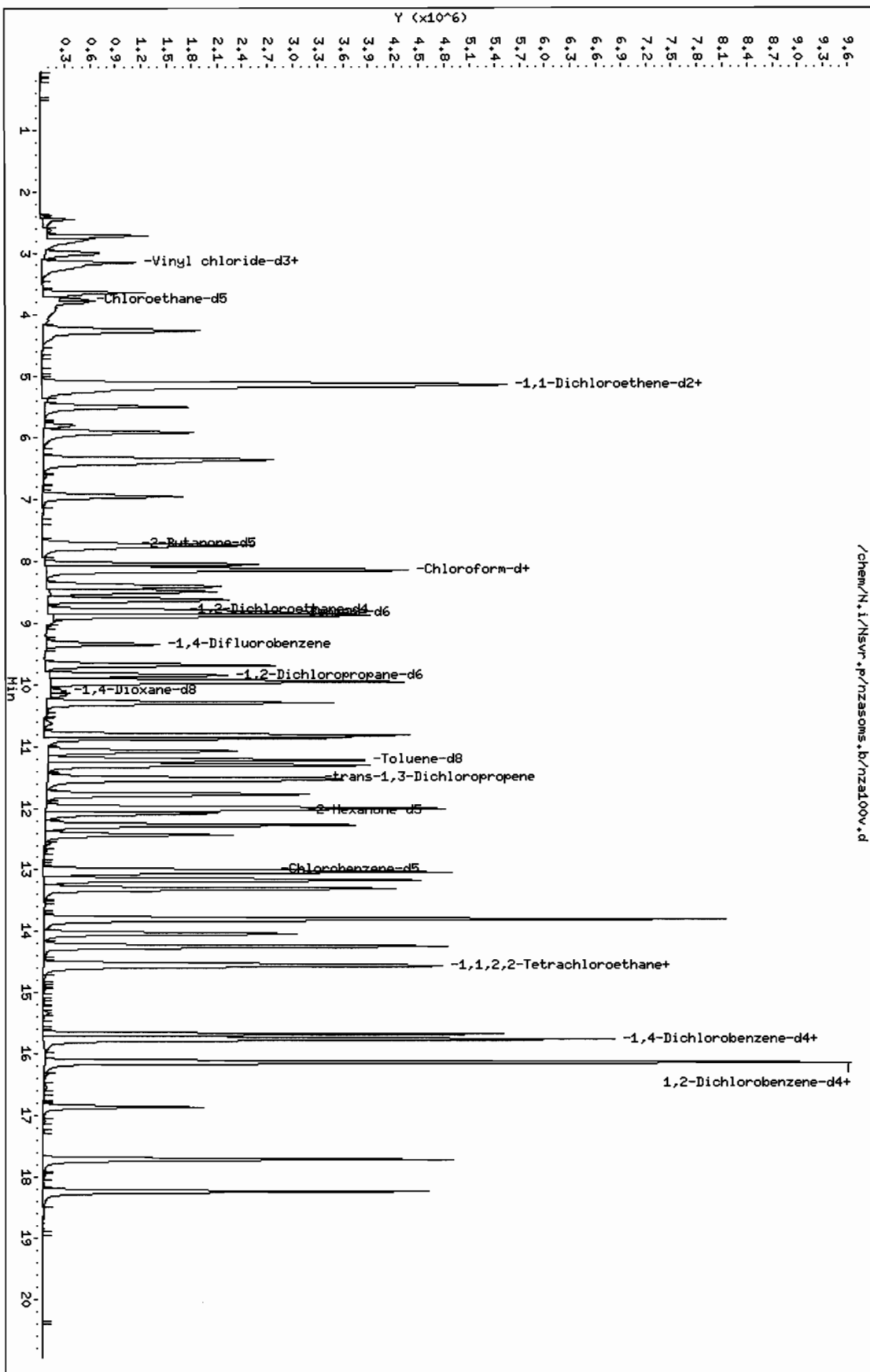
Manual Integration Reason: M11 - Poor automated baseline

Data File: /chem/N,i/Nsvr,p/nzasoms,b/nza100v.d
Date : 13-JAN-2010 18:28
Client ID: VSTD050N0
Sample Info:

Column phase: DB-624

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

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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)	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)	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-Dichloropropene-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-Dichloropropene	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					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	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

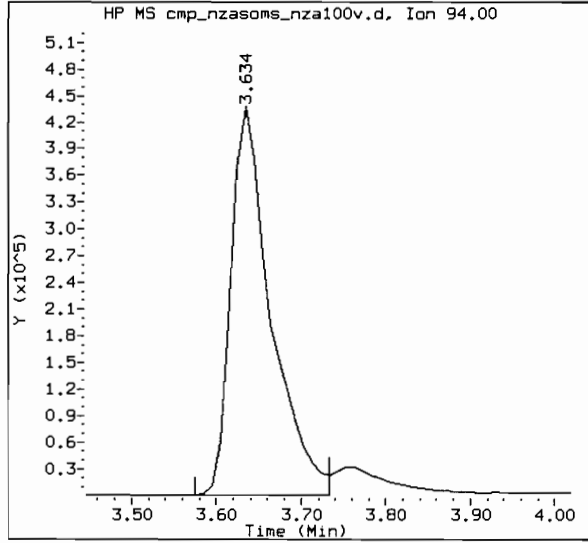
Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

MANUAL INTEGRATION REPORT

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

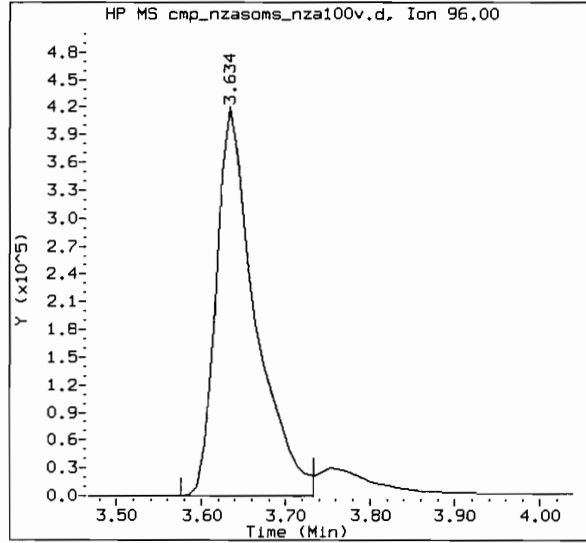
Inj. Date and Time: 13-JAN-2010 18:28
Instrument ID: N.i
CAS #: 74-83-9

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

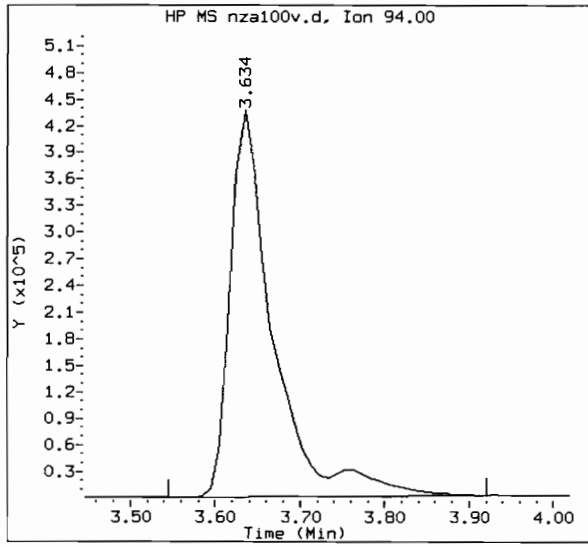


Original Integrations:

Area = 1412552

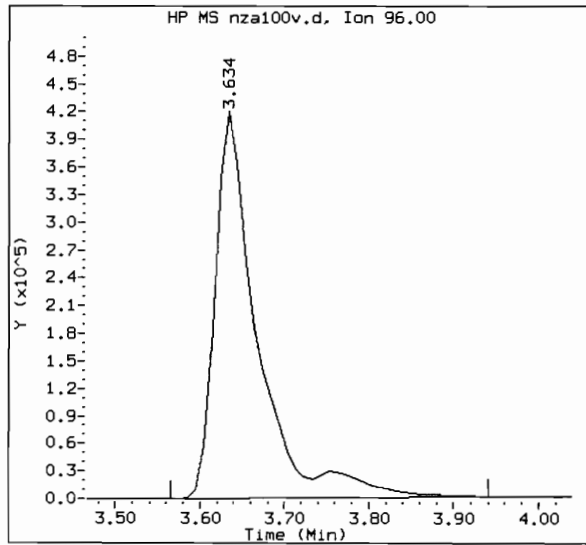


Area = 1354069



Final Integrations:

Area = 1525612



Area = 1468058

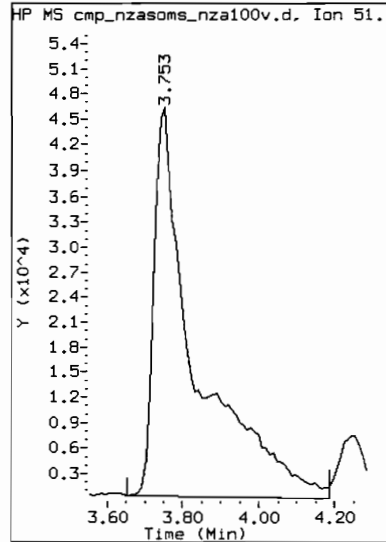
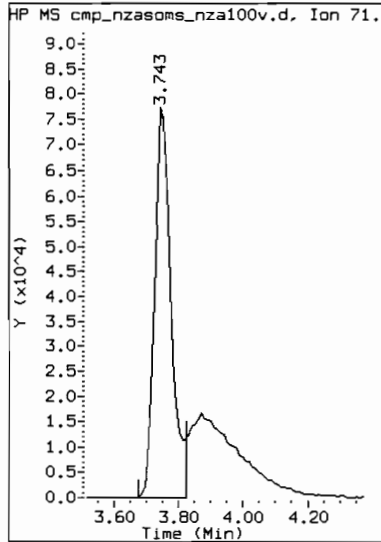
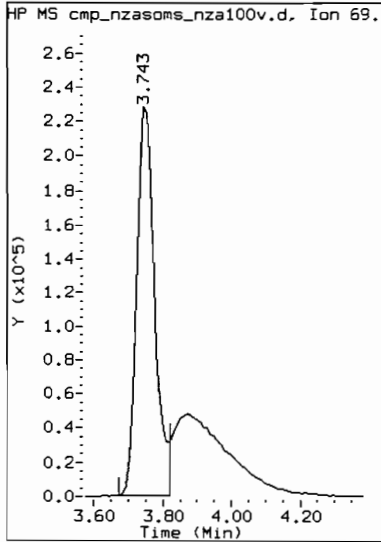
Manual Integration Reason: MI1 - Poor automated baseline

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

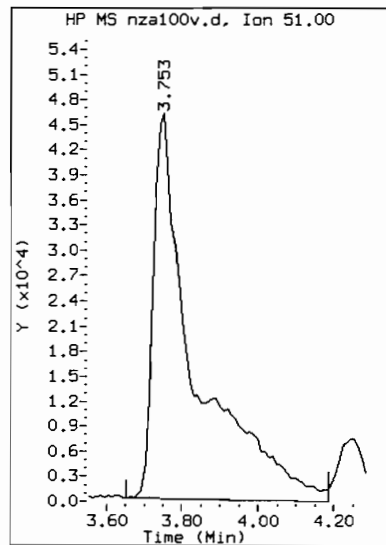
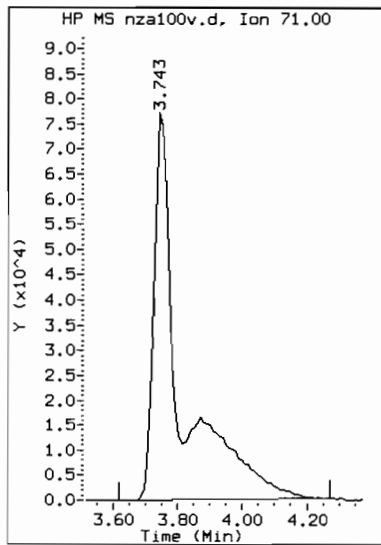
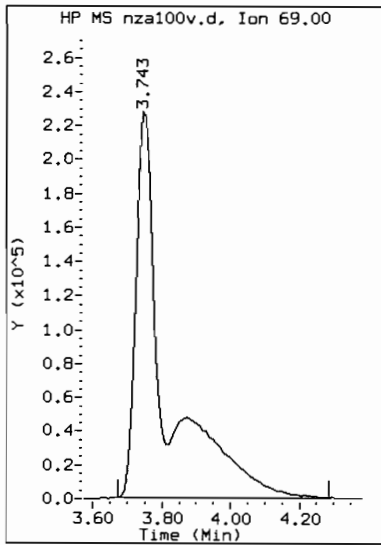


Original Integrations:

Area = 830469

Area = 279129

Area = 351189



Final Integrations:

Area = 1343883

Area = 444799

Area = 352798

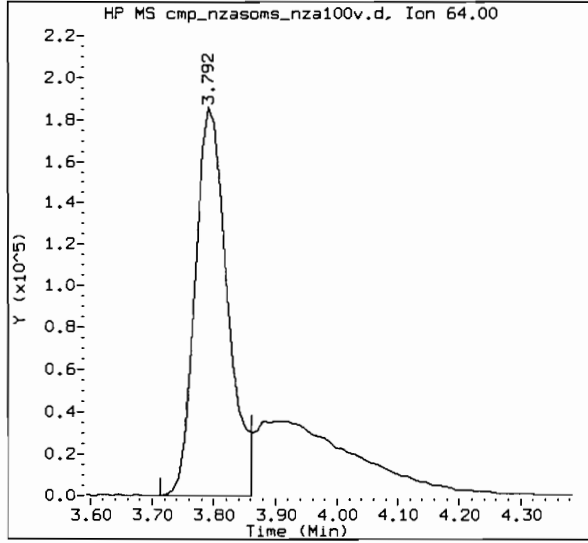
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

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

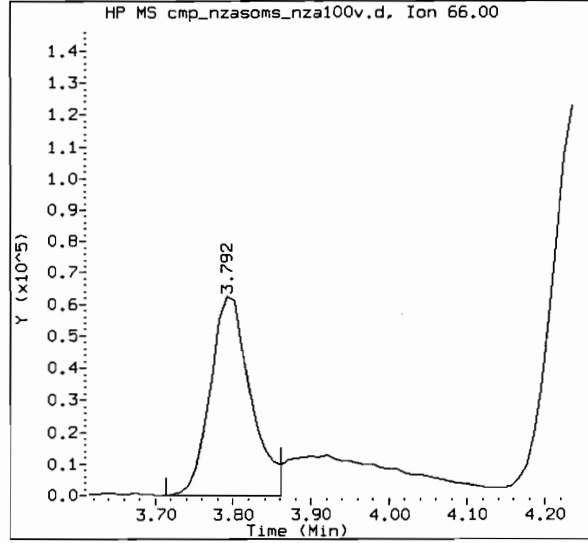
Inj. Date and Time: 13-JAN-2010 18:28
Instrument ID: N.i
CAS #: 75-00-3

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

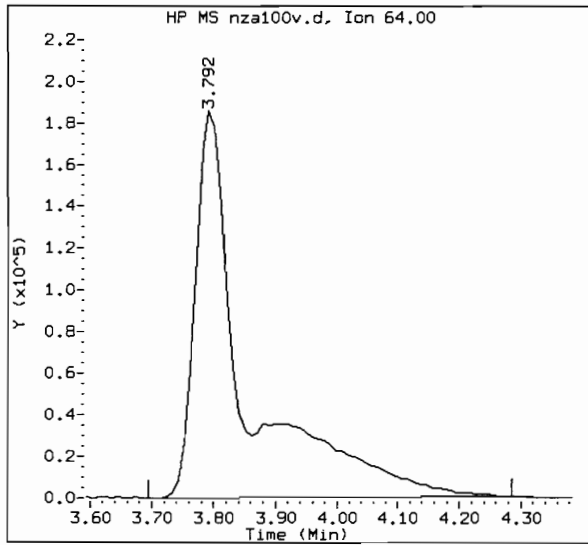


Original Integrations:

Area = 680136



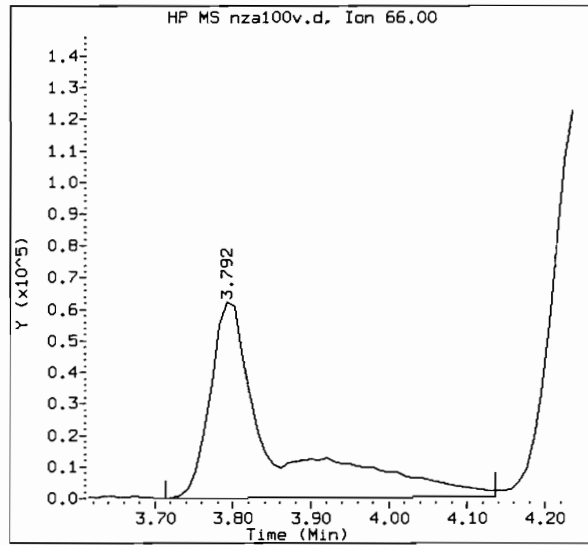
Area = 227247



Final Integrations:

Area = 1070295

Manual Integration Reason: MI1 - Poor automated baseline



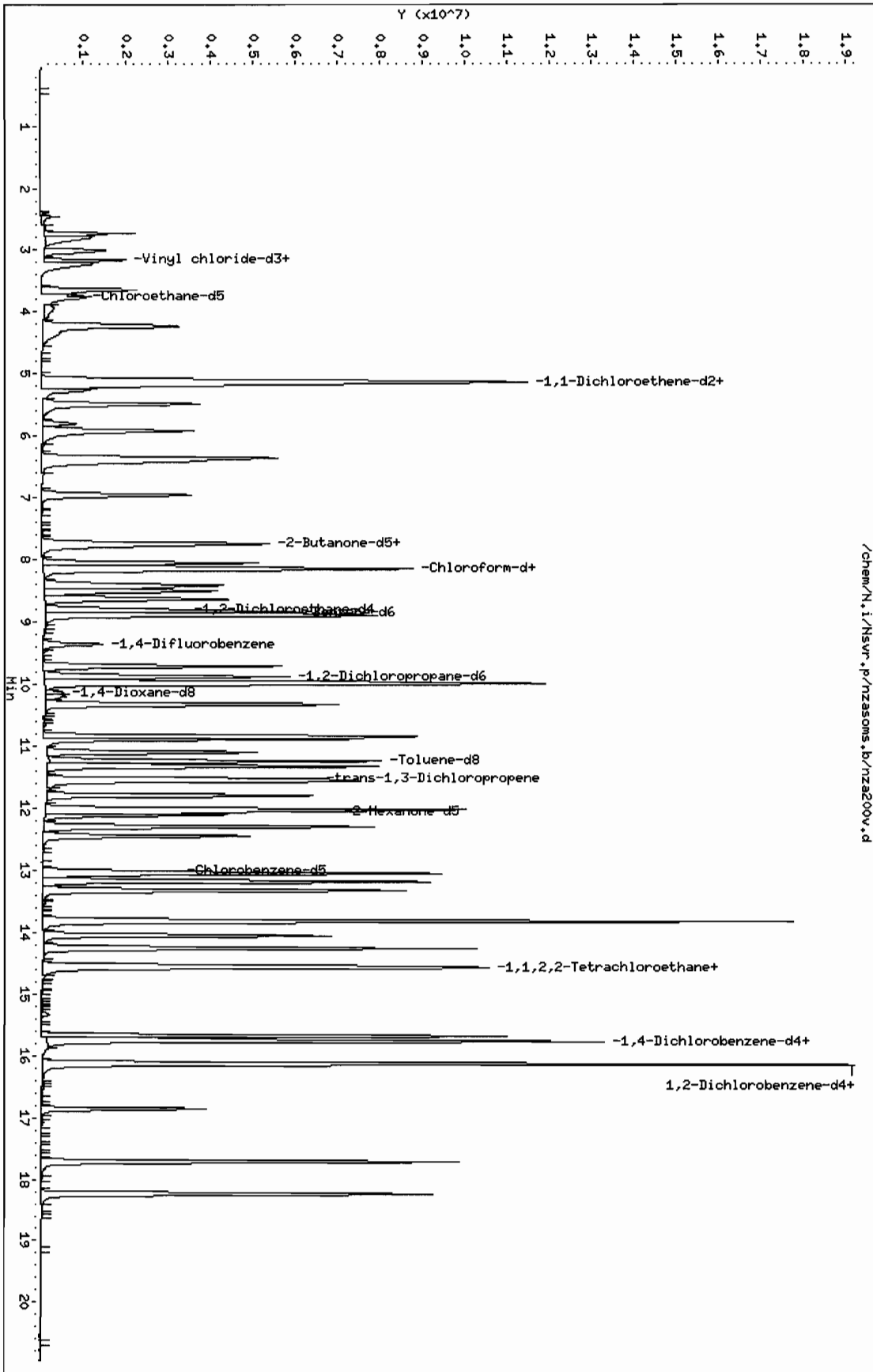
Area = 350709

Data File: /chem/N.i/Nsvr.p/nzasoms.b/nza200v.d
Date: 13-JAN-2010 18:56
Client ID: VSTD100N0
Sample Info:

Column phase: DB-624

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

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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)	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)	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

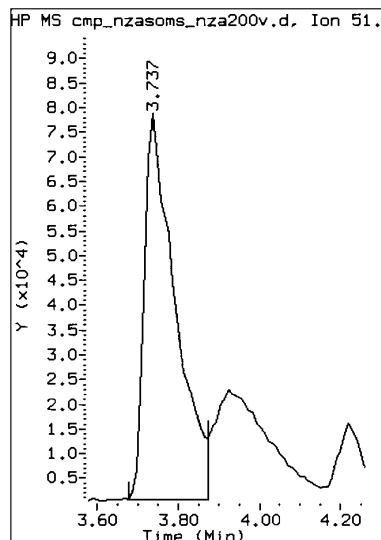
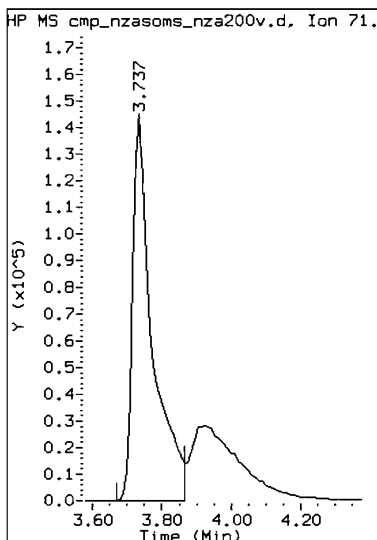
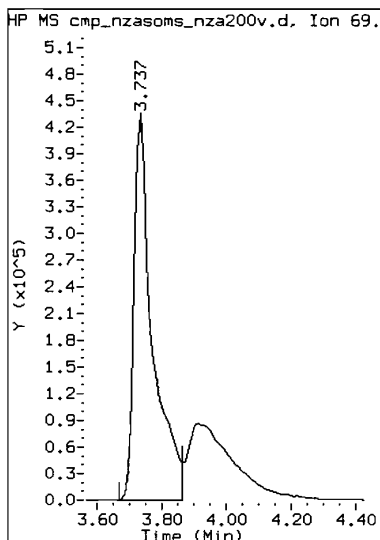
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

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

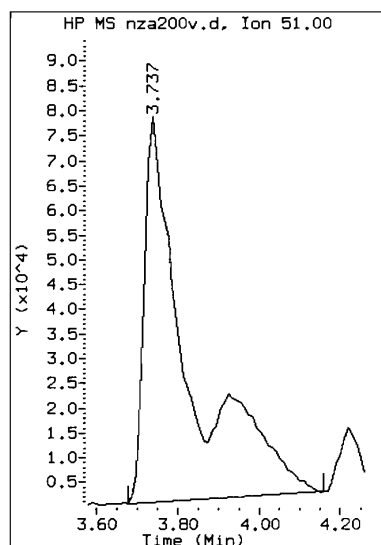
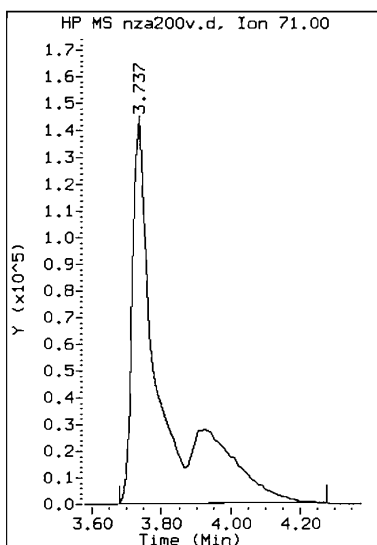
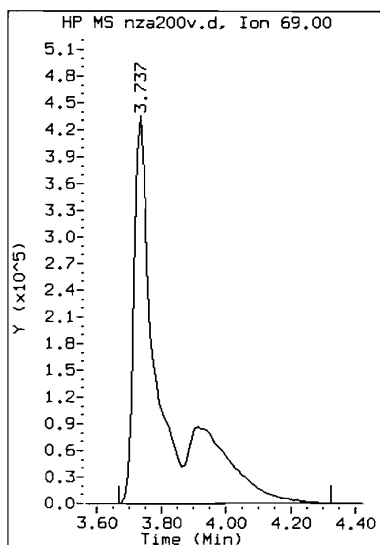


Original Integrations:

Area = 1760718

Area = 585144

Area = 418498



Final Integrations:

Area = 2574319

Area = 844198

Area = 587212

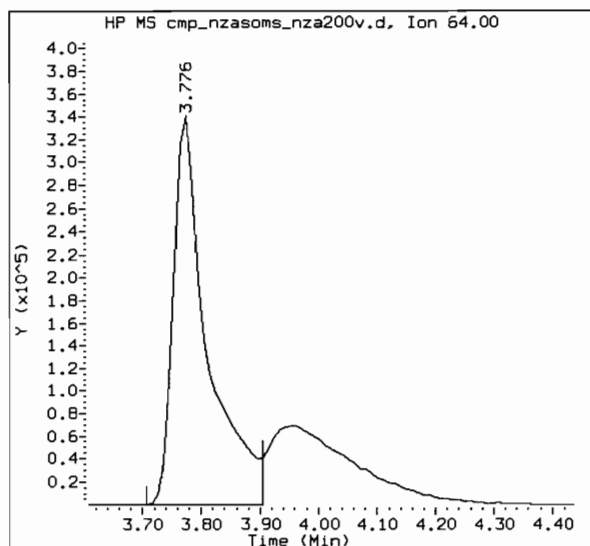
Manual Integration Reason: M11 - Poor automated baseline

MANUAL INTEGRATION REPORT

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

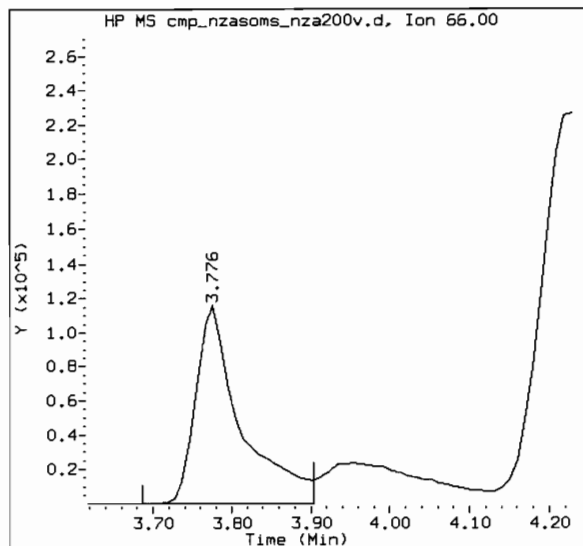
Inj. Date and Time: 13-JAN-2010 18:56
Instrument ID: N.i
CAS #: 75-00-3

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

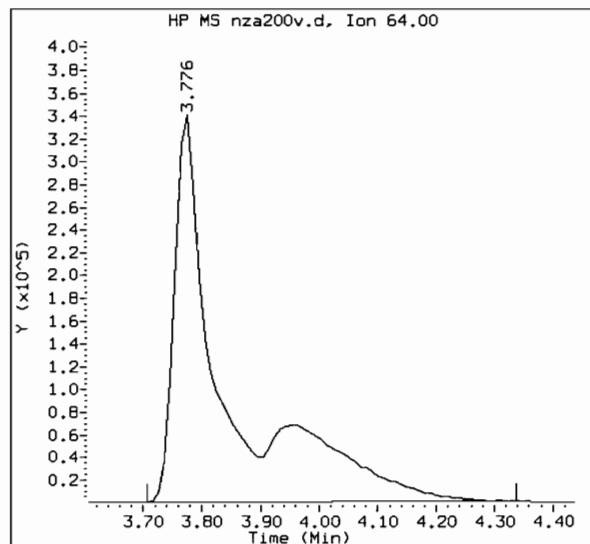


Original Integrations:

Area = 1373207



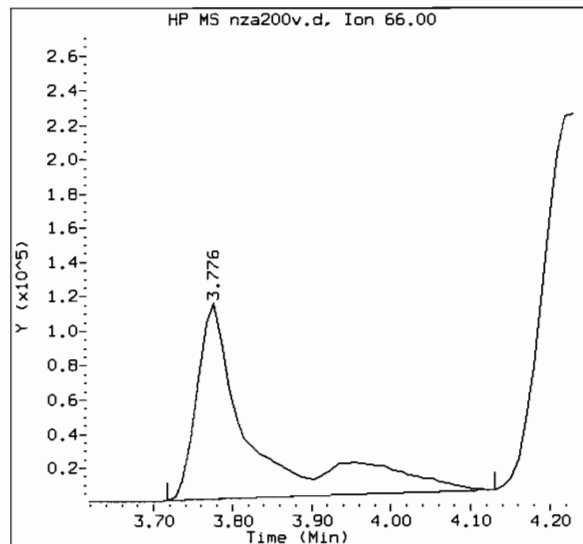
Area = 459258



Final Integrations:

Area = 2041629

Manual Integration Reason: M11 - Poor automated baseline



Area = 569687

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.: 135376
Instrument ID: N.i Calibration Date(s): 01/27/2010 01/28/2010
Heated Purge: (Y/N)Y Calibration Time(s): 2317 0109
Purge Volume: 10.0 (mL)
GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID:	RRF2.5 = NZE005V	RRF5.0 = NZE010V
RRF25 = NZE050V	RRF50 = NZE100V	RRF100 = NZE200V

COMPOUND	RRF2.5	RRF5.0	RRF25	RRF50	RRF100	RRF	%RSD
Dichlorodifluoromethane	0.297	0.348	0.317	0.306	0.288	0.311	7.5
Chloromethane	0.445	0.463	0.407	0.397	0.382	0.419	8.1
Vinyl chloride	0.385	0.448	0.424	0.413	0.402	0.414	5.7
Bromomethane	0.337	0.428	0.361	0.345	0.262	0.346	17.1
Chloroethane	0.276	0.310	0.287	0.264	0.195	0.266	16.3
Trichlorofluoromethane	0.679	0.774	0.691	0.697	0.694	0.707	5.4
1,1-Dichloroethene	0.408	0.422	0.375	0.382	0.364	0.390	6.2
1,1,2-Trichloro- 1,2,2-trifluoroethane	0.869	0.974	0.832	0.793	0.656	0.825	14.1
Acetone	0.101	0.092	0.082	0.097	0.065	0.087	16.4
Carbon disulfide	1.264	1.421	1.297	1.312	1.274	1.313	4.8
Methyl acetate	0.264	0.280	0.232	0.210	0.175	0.232	18.2
Methylene chloride	0.488	0.554	0.496	0.489	0.472	0.500	6.4
trans-1,2-Dichloroethene	0.456	0.485	0.406	0.402	0.361	0.422	11.6
Methyl tert-butyl ether	0.756	0.823	0.739	0.700	0.578	0.719	12.6
1,1-Dichloroethane	0.824	0.909	0.787	0.768	0.706	0.799	9.4
cis-1,2-Dichloroethene	0.459	0.485	0.420	0.410	0.367	0.428	10.7
2-Butanone	0.159	0.172	0.150	0.149	0.111	0.148	15.3
Bromochloromethane	0.290	0.326	0.298	0.295	0.284	0.298	5.5
Chloroform	0.812	0.868	0.724	0.692	0.621	0.744	13.2
1,1,1-Trichloroethane	0.406	0.426	0.426	0.394	0.381	0.407	4.8
Cyclohexane	0.445	0.414	0.420	0.401	0.394	0.415	4.8
Carbon tetrachloride	0.376	0.399	0.404	0.387	0.373	0.388	3.5
Benzene	0.715	0.731	0.807	0.757	0.777	0.757	4.8
1,2-Dichloroethane	0.299	0.341	0.300	0.277	0.238	0.291	12.8
1,4-Dioxane	0.005	0.005	0.005	0.005	0.004	0.005	6.7
Trichloroethene	0.312	0.311	0.327	0.318	0.321	0.318	2.0
Methylcyclohexane	0.401	0.409	0.417	0.407	0.444	0.416	4.1

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.: 135376
Instrument ID: N.i Calibration Date(s): 01/27/2010 01/28/2010
Heated Purge: (Y/N)Y Calibration Time(s): 2317 0109
Purge Volume: 10.0 (mL)
GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID:		RRF2.5 = NZE005V	RRF5.0 = NZE010V				
RRF25 = NZE050V		RRF50 = NZE100V	RRF100 = NZE200V				
COMPOUND	RRF2.5	RRF5.0	RRF25	RRF50	RRF100	RRF	%RSD
1,2-Dichloropropane	0.402	0.434	0.478	0.426	0.419	0.432	6.6
Bromodichloromethane	0.657	0.704	0.718	0.670	0.641	0.678	4.7
cis-1,3-Dichloropropene	0.585	0.631	0.664	0.634	0.621	0.627	4.5
4-Methyl-2-pentanone	0.291	0.369	0.348	0.322	0.317	0.329	9.1
Toluene	1.162	1.166	1.101	1.114	1.130	1.134	2.6
trans-1,3-Dichloropropene	0.471	0.497	0.532	0.532	0.530	0.512	5.4
1,1,2-Trichloroethane	0.375	0.394	0.417	0.390	0.389	0.393	3.8
Tetrachloroethene	0.378	0.382	0.357	0.377	0.376	0.374	2.6
2-Hexanone	0.227	0.272	0.270	0.262	0.238	0.254	7.9
Dibromochloromethane	0.619	0.674	0.720	0.700	0.695	0.681	5.7
1,2-Dibromoethane	0.593	0.627	0.678	0.646	0.666	0.642	5.2
Chlorobenzene	0.934	0.990	0.930	0.940	0.944	0.948	2.5
Ethylbenzene	1.313	1.365	1.241	1.290	1.332	1.308	3.6
o-Xylene	0.507	0.545	0.501	0.517	0.541	0.522	3.9
m,p-Xylene	0.507	0.529	0.486	0.507	0.531	0.512	3.7
Styrene	0.871	0.931	0.883	0.912	0.952	0.910	3.6
Bromoform	0.750	0.887	0.993	0.940	0.919	0.898	10.2
Isopropylbenzene	1.432	1.421	1.260	1.341	1.399	1.371	5.2
1,1,2,2-Tetrachloroethane	0.747	0.860	0.859	0.795	0.772	0.807	6.4
1,3-Dichlorobenzene	1.389	1.480	1.383	1.433	1.417	1.420	2.8
1,4-Dichlorobenzene	1.594	1.683	1.529	1.568	1.480	1.571	4.8
1,2-Dichlorobenzene	1.330	1.443	1.407	1.410	1.351	1.388	3.4
1,2-Dibromo-3-chloropropane	0.217	0.258	0.288	0.250	0.259	0.254	10.0
1,2,4-Trichlorobenzene	0.881	0.871	0.852	0.911	0.886	0.880	2.5
1,2,3-Trichlorobenzene	0.847	0.851	0.847	0.878	0.874	0.859	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.: 135376
Instrument ID: N.i Calibration Date(s): 01/27/2010 01/28/2010
Heated Purge: (Y/N)Y Calibration Time(s): 2317 0109
Purge Volume: 10.0 (mL)
GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

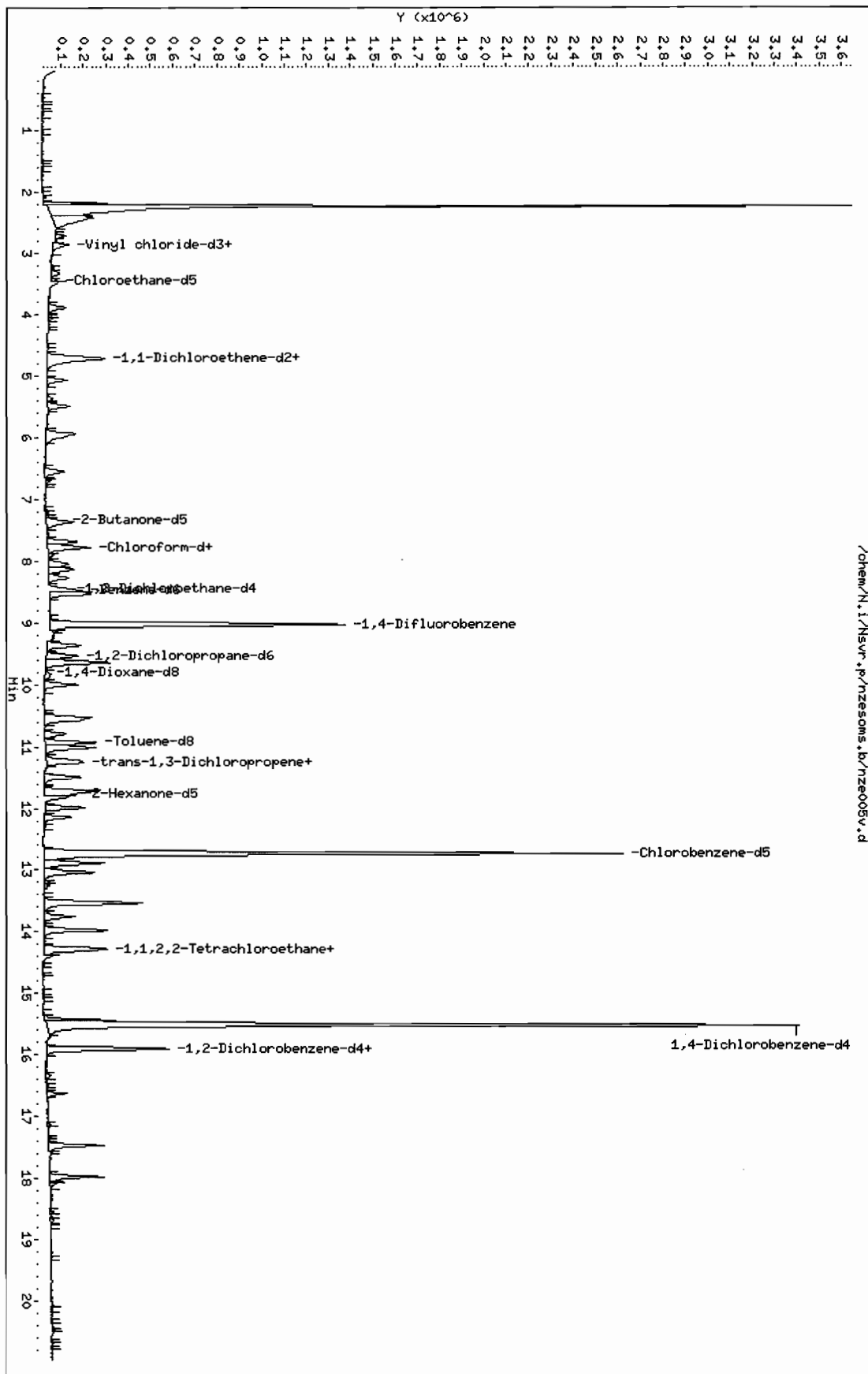
LAB FILE ID:		RRF2.5 = NZE005V		RRF5.0 = NZE010V			
RRF25 = NZE050V		RRF50 = NZE100V		RRF100 = NZE200V			
COMPOUND	RRF2.5	RRF5.0	RRF25	RRF50	RRF100	RRF	%RSD
Vinyl chloride-d3	0.372	0.412	0.391	0.381	0.372	0.385	4.3
Chloroethane-d5	0.333	0.398	0.361	0.336	0.215	0.329	20.8
1,1-Dichloroethene-d2	0.889	0.968	0.848	0.869	0.831	0.881	6.1
2-Butanone-d5	0.187	0.179	0.166	0.168	0.123	0.165	15.1
Chloroform-d	0.835	0.916	0.778	0.745	0.670	0.789	11.8
1,2-Dichloroethane-d4	0.269	0.287	0.243	0.226	0.195	0.244	14.7
Benzene-d6	0.770	0.795	0.869	0.822	0.836	0.818	4.6
1,2-Dichloropropane-d6	0.546	0.456	0.592	0.439	0.544	0.515	12.7
Toluene-d8	1.062	1.108	1.039	1.027	1.043	1.056	3.0
trans-1,3-Dichloropropene-d4	0.470	0.470	0.515	0.502	0.499	0.492	4.1
2-Hexanone-d5	0.149	0.140	0.142	0.141	0.129	0.140	5.0
1,4-Dioxane-d8	0.006	0.005	0.005	0.004	0.004	0.005	13.7
1,1,2,2-Tetrachloroethane-d2	0.818	0.895	0.878	0.817	0.800	0.842	5.0
1,2-Dichlorobenzene-d4	0.972	0.986	0.930	0.920	0.902	0.942	3.8

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

SOM01.2

Data File: /chem/N.i/Nsvr.p/nzesoms.b/nze005v.d
 Date: 27-JAN-2010 23:17
 Client ID: VSTD2.SNC
 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/nzesoms.b/nze005v.d
Lab Smp Id: VSTD2.5NG Client Smp ID: VSTD2.5NG
Inj Date : 27-JAN-2010 23:17
Operator : JPl Inst ID: N.i
Smp Info :
Misc Info : VSTD2.5NG,012710NG,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzesoms.b/soms4.m
Meth Date : 28-Jan-2010 09:46 cmp Quant Type: ISTD
Cal Date : 27-JAN-2010 23:17 Cal File: nze005v.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)
1 Dichlorodifluoromethane	85	2.490	2.479	(0.276)	61471	2.50000	2.4 (a)
2 Chloromethane	50	2.726	2.726	(0.302)	92126	2.50000	2.7
\$ 3 Vinyl chloride-d3	65	2.864	2.864	(0.318)	77069	2.50000	2.4 (a)
4 Vinyl chloride	62	2.874	2.873	(0.319)	79796	2.50000	2.3 (a)
5 Bromomethane	94	3.337	3.297	(0.370)	69747	2.50000	2.4 (a)
\$ 6 Chloroethane-d5	69	3.445	3.425	(0.382)	69040	2.50000	2.5
7 Chloroethane	64	3.494	3.464	(0.387)	57153	2.50000	2.6
8 Trichlorofluoromethane	101	3.878	3.868	(0.430)	140755	2.50000	2.4 (a)
\$ 9 1,1-Dichloroethene-d2	63	4.686	4.685	(0.520)	184227	2.50000	2.5
10 1,1-Dichloroethene	96	4.706	4.705	(0.522)	84584	2.50000	2.6
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.725	4.725	(0.524)	179997	2.50000	2.6
12 Acetone	43	4.804	4.813	(0.533)	42019	5.00000	5.8
13 Carbon disulfide	76	5.060	5.060	(0.561)	261899	2.50000	2.4 (a)

						AMOUNTS	
QUANT SIG						CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
14 Methyl acetate	43	5.356	5.365	(0.594)	54777	2.50000	2.8
15 Methylene chloride	84	5.484	5.483	(0.608)	101235	2.50000	2.4 (a)
16 trans-1,2-Dichloroethene	96	5.927	5.926	(0.657)	94541	2.50000	2.7
17 Methyl tert-butyl ether	73	5.986	5.985	(0.664)	156600	2.50000	2.6
18 1,1-Dichloroethane	63	6.547	6.547	(0.726)	170694	2.50000	2.6
\$ 19 2-Butanone-d5	46	7.335	7.325	(0.813)	77327	5.00000	5.7
20 cis-1,2-Dichloroethene	96	7.365	7.364	(0.817)	95158	2.50000	2.7
21 2-Butanone	43	7.414	7.413	(0.822)	65829	5.00000	5.4
22 Bromochloromethane	128	7.680	7.669	(0.851)	60045	2.50000	2.4 (a)
\$ 23 Chloroform-d	84	7.759	7.758	(0.860)	173081	2.50000	2.6
24 Chloroform	83	7.788	7.778	(0.864)	168377	2.50000	2.7
25 1,1,1-Trichloroethane	97	8.034	8.034	(0.632)	118672	2.50000	2.5
26 Cyclohexane	56	8.133	8.122	(0.639)	129943	2.50000	2.7
27 Carbon tetrachloride	117	8.271	8.260	(0.650)	109676	2.50000	2.4 (a)
\$ 28 1,2-Dichloroethane-d4	65	8.438	8.428	(0.936)	55673	2.50000	2.8
\$ 29 Benzene-d6	84	8.477	8.467	(0.666)	224819	2.50000	2.4 (a)
30 Benzene	78	8.527	8.516	(0.670)	208719	2.50000	2.4 (a)
31 1,2-Dichloroethane	62	8.537	8.526	(0.946)	61993	2.50000	2.6
* 32 1,4-Difluorobenzene	114	9.019	9.009	(1.000)	2072463	25.0000	
33 Trichloroethene	95	9.364	9.353	(0.736)	91248	2.50000	2.5
\$ 34 1,2-Dichloropropane-d6	67	9.531	9.521	(0.749)	159380	2.50000	2.6
35 Methylcyclohexane	55	9.630	9.619	(0.757)	117083	2.50000	2.4 (a)
36 1,2-Dichloropropane	63	9.649	9.629	(0.758)	117335	2.50000	2.3 (a)
\$ 37 1,4-Dioxane-d8	96	9.807	9.797	(1.087)	24111	50.0000	61
38 1,4-Dioxane	88	9.866	9.856	(1.094)	21465	50.0000	53
39 Bromodichloromethane	83	9.994	9.984	(0.786)	191951	2.50000	2.4 (a)
40 cis-1,3-Dichloropropene	75	10.565	10.555	(0.830)	170960	2.50000	2.3 (a)
41 4-Methyl-2-pentanone	43	10.792	10.772	(0.848)	169700	5.00000	4.4 (a)
\$ 42 Toluene-d8	98	10.930	10.909	(0.859)	310152	2.50000	2.5
43 Toluene	91	11.008	10.998	(0.865)	339347	2.50000	2.6
\$ 44 trans-1,3-Dichloropropene-d4	79	11.225	11.205	(0.882)	137373	2.50000	2.4 (a)
45 trans-1,3-Dichloropropene	75	11.255	11.244	(0.885)	137461	2.50000	2.3 (a)
46 1,1,2-Trichloroethane	97	11.491	11.481	(0.903)	109638	2.50000	2.4 (a)
47 Tetrachloroethene	164	11.708	11.697	(0.920)	110377	2.50000	2.5
\$ 48 2-Hexanone-d5	63	11.757	11.746	(0.924)	86822	5.00000	5.3
49 2-Hexanone	43	11.816	11.806	(0.929)	132566	5.00000	4.5 (a)
50 Dibromochloromethane	129	11.983	11.973	(0.942)	180804	2.50000	2.3 (a)
51 1,2-Dibromoethane	107	12.141	12.131	(0.954)	173169	2.50000	2.3 (a)
* 52 Chlorobenzene-d5	117	12.722	12.712	(1.000)	2920574	25.0000	
53 Chlorobenzene	112	12.752	12.741	(1.002)	272710	2.50000	2.5
54 Ethylbenzene	91	12.889	12.879	(1.013)	383386	2.50000	2.5
55 m,p-Xylene	106	13.037	13.027	(1.025)	147946	2.50000	2.5
56 o-Xylene	106	13.520	13.519	(1.063)	147944	2.50000	2.4 (a)
57 Styrene	104	13.539	13.529	(1.064)	254519	2.50000	2.4 (a)
58 Bromoform	173	13.756	13.746	(0.887)	122516	2.50000	2.1 (a)
59 Isopropylbenzene	105	13.973	13.962	(1.098)	418370	2.50000	2.6
\$ 60 1,1,2,2-Tetrachloroethane-d2	84	14.258	14.258	(1.121)	238798	2.50000	2.4 (a)

						AMOUNTS	
QUANT SIG						CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
61 1,1,2,2-Tetrachloroethane	83	14.288	14.287	(1.123)	218117	2.50000	2.3 (a)
62 1,3-Dichlorobenzene	146	15.440	15.440	(0.996)	226950	2.50000	2.4 (a)
* 63 1,4-Dichlorobenzene-d4	152	15.509	15.508	(1.000)	1634359	25.0000	(Q)
64 1,4-Dichlorobenzene	146	15.529	15.528	(1.001)	260463	2.50000	2.5
\$ 65 1,2-Dichlorobenzene-d4	152	15.893	15.893	(1.025)	158784	2.50000	2.6
66 1,2-Dichlorobenzene	146	15.913	15.912	(1.026)	217319	2.50000	2.4 (a)
67 1,2-Dibromo-3-chloropropane	75	16.632	16.631	(1.072)	35483	2.50000	2.1 (a)
68 1,2,4-Trichlorobenzene	180	17.469	17.468	(1.126)	143906	2.50000	2.5
69 1,2,3-Trichlorobenzene	180	17.971	17.980	(1.159)	138411	2.50000	2.5

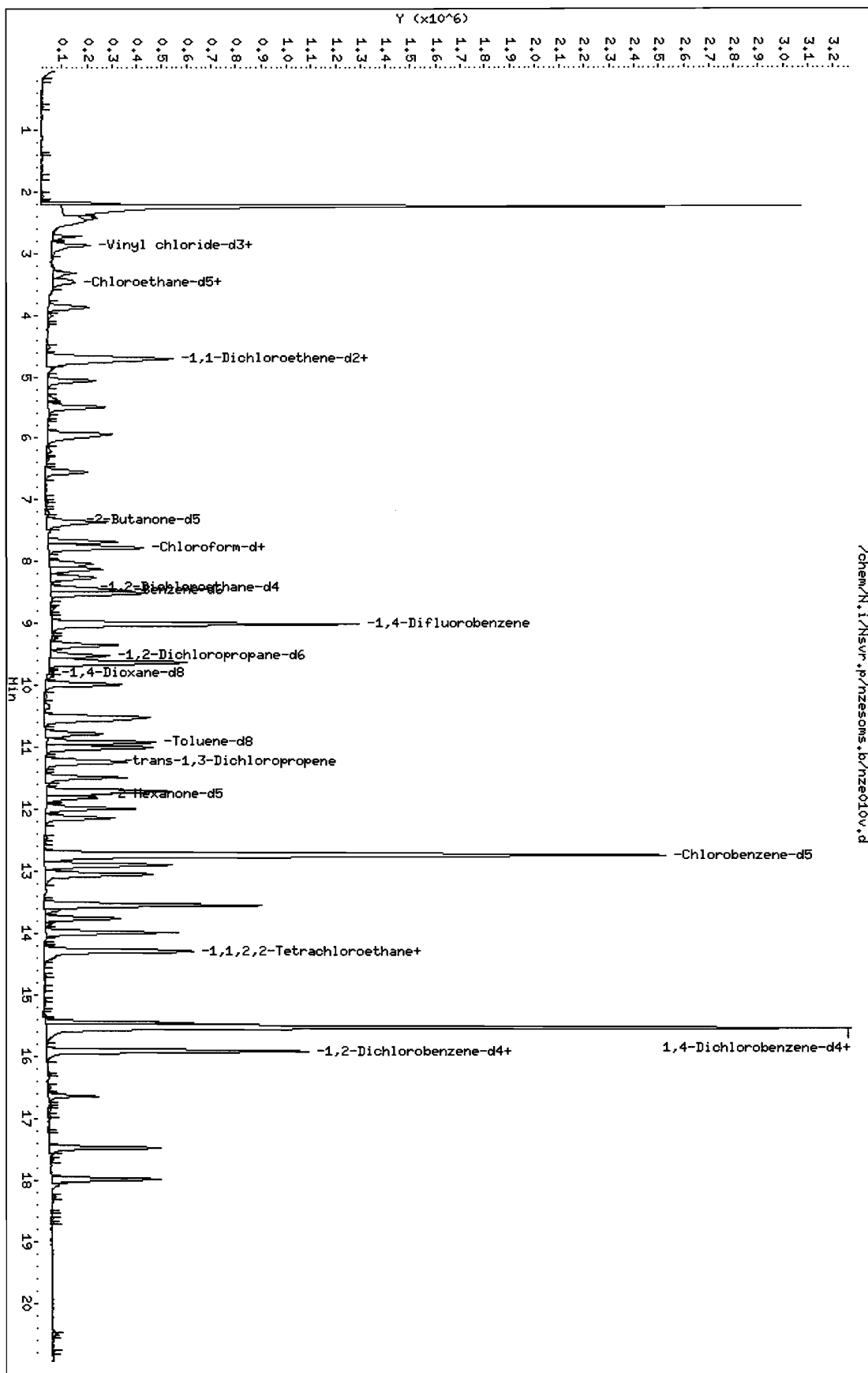
QC Flag Legend

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

Data File: /chem/N.i/Nsuv.p/nzesoms.b/nze010v.d
Date : 27-JAN-2010 23:45
Client ID: VSTD005NG
Sample Info:
Column phase: DB-624

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

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzesoms.b/nze010v.d
Lab Smp Id: VSTD005NG Client Smp ID: VSTD005NG
Inj Date : 27-JAN-2010 23:45
Operator : JPl Inst ID: N.i
Smp Info :
Misc Info : VSTD005NG,012710NG,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzesoms.b/soms4.m
Meth Date : 28-Jan-2010 09:46 cmp Quant Type: ISTD
Cal Date : 27-JAN-2010 23:45 Cal File: nze010v.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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	AMOUNTS					
		CAL-AMT	ON-COL				
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
1 Dichlorodifluoromethane	85	2.483	2.479	(0.276)	132230	5.00000	5.6
2 Chloromethane	50	2.719	2.726	(0.302)	175843	5.00000	5.5
\$ 3 Vinyl chloride-d3	65	2.867	2.864	(0.318)	156284	5.00000	5.3
4 Vinyl chloride	62	2.877	2.873	(0.320)	169961	5.00000	5.4
5 Bromomethane	94	3.320	3.297	(0.369)	162413	5.00000	6.2
\$ 6 Chloroethane-d5	69	3.448	3.425	(0.383)	151196	5.00000	6.1
7 Chloroethane	64	3.487	3.464	(0.387)	117598	5.00000	5.8
8 Trichlorofluoromethane	101	3.871	3.868	(0.430)	293722	5.00000	5.5
\$ 9 1,1-Dichloroethene-d2	63	4.689	4.685	(0.521)	367605	5.00000	5.5
10 1,1-Dichloroethene	96	4.699	4.705	(0.522)	160319	5.00000	5.4
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.728	4.725	(0.525)	370001	5.00000	5.9
12 Acetone	43	4.807	4.813	(0.534)	69618	10.0000	10
13 Carbon disulfide	76	5.063	5.060	(0.562)	539384	5.00000	5.4

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
14 Methyl acetate	43	5.358	5.365	(0.595)	106410	5.00000	6.0
15 Methylene chloride	84	5.486	5.483	(0.609)	210509	5.00000	5.5
16 trans-1,2-Dichloroethene	96	5.930	5.926	(0.659)	184224	5.00000	5.7
17 Methyl tert-butyl ether	73	5.979	5.985	(0.664)	312655	5.00000	5.7
18 1,1-Dichloroethane	63	6.550	6.547	(0.728)	345019	5.00000	5.7
\$ 19 2-Butanone-d5	46	7.328	7.325	(0.814)	136005	10.0000	11
20 cis-1,2-Dichloroethene	96	7.358	7.364	(0.817)	184116	5.00000	5.7
21 2-Butanone	43	7.407	7.413	(0.823)	130738	10.0000	12
22 Bromochloromethane	128	7.673	7.669	(0.852)	123728	5.00000	5.5
\$ 23 Chloroform-d	84	7.761	7.758	(0.862)	347657	5.00000	5.8
24 Chloroform	83	7.781	7.778	(0.864)	329685	5.00000	5.8
25 1,1,1-Trichloroethane	97	8.027	8.034	(0.631)	236919	5.00000	5.2
26 Cyclohexane	56	8.116	8.122	(0.638)	230436	5.00000	5.0
27 Carbon tetrachloride	117	8.254	8.260	(0.649)	222109	5.00000	5.2
\$ 28 1,2-Dichloroethane-d4	65	8.421	8.428	(0.935)	108953	5.00000	5.9
\$ 29 Benzene-d6	84	8.461	8.467	(0.665)	441989	5.00000	4.9
30 Benzene	78	8.510	8.516	(0.669)	406555	5.00000	4.8
31 1,2-Dichloroethane	62	8.520	8.526	(0.946)	129437	5.00000	5.9
* 32 1,4-Difluorobenzene	114	9.002	9.009	(1.000)	1898436	25.0000	
33 Trichloroethene	95	9.347	9.353	(0.735)	172722	5.00000	4.9
\$ 34 1,2-Dichloropropane-d6	67	9.514	9.521	(0.748)	253678	5.00000	4.4
35 Methylcyclohexane	55	9.613	9.619	(0.756)	227674	5.00000	4.9
36 1,2-Dichloropropane	63	9.623	9.629	(0.757)	241523	5.00000	5.0
\$ 37 1,4-Dioxane-d8	96	9.780	9.797	(1.086)	38072	100.000	100
38 1,4-Dioxane	88	9.849	9.856	(1.094)	39197	100.000	110
39 Bromodichloromethane	83	9.977	9.984	(0.785)	391480	5.00000	5.2
40 cis-1,3-Dichloropropene	75	10.548	10.555	(0.830)	350746	5.00000	5.0
41 4-Methyl-2-pentanone	43	10.775	10.772	(0.847)	410148	10.0000	11
\$ 42 Toluene-d8	98	10.913	10.909	(0.858)	616528	5.00000	5.2
43 Toluene	91	11.001	10.998	(0.865)	648775	5.00000	5.1
\$ 44 trans-1,3-Dichloropropene-d4	79	11.208	11.205	(0.881)	261652	5.00000	4.8
45 trans-1,3-Dichloropropene	75	11.248	11.244	(0.885)	276338	5.00000	4.8
46 1,1,2-Trichloroethane	97	11.484	11.481	(0.903)	219299	5.00000	5.0
47 Tetrachloroethene	164	11.701	11.697	(0.920)	212283	5.00000	5.1
\$ 48 2-Hexanone-d5	63	11.750	11.746	(0.924)	155663	10.0000	10
49 2-Hexanone	43	11.809	11.806	(0.929)	302175	10.0000	11
50 Dibromochloromethane	129	11.986	11.973	(0.943)	374873	5.00000	4.9
51 1,2-Dibromoethane	107	12.134	12.131	(0.954)	348489	5.00000	4.9
* 52 Chlorobenzene-d5	117	12.715	12.712	(1.000)	2781226	25.0000	
53 Chlorobenzene	112	12.754	12.741	(1.003)	550453	5.00000	5.2
54 Ethylbenzene	91	12.892	12.879	(1.014)	759550	5.00000	5.2
55 m,p-Xylene	106	13.040	13.027	(1.026)	294490	5.00000	5.2
56 o-Xylene	106	13.532	13.519	(1.064)	303271	5.00000	5.2
57 Styrene	104	13.542	13.529	(1.065)	517689	5.00000	5.1
58 Bromoform	173	13.759	13.746	(0.887)	260650	5.00000	4.9
59 Isopropylbenzene	105	13.975	13.962	(1.099)	790494	5.00000	5.2
\$ 60 1,1,2,2-Tetrachloroethane-d2	84	14.261	14.258	(1.122)	497638	5.00000	5.3

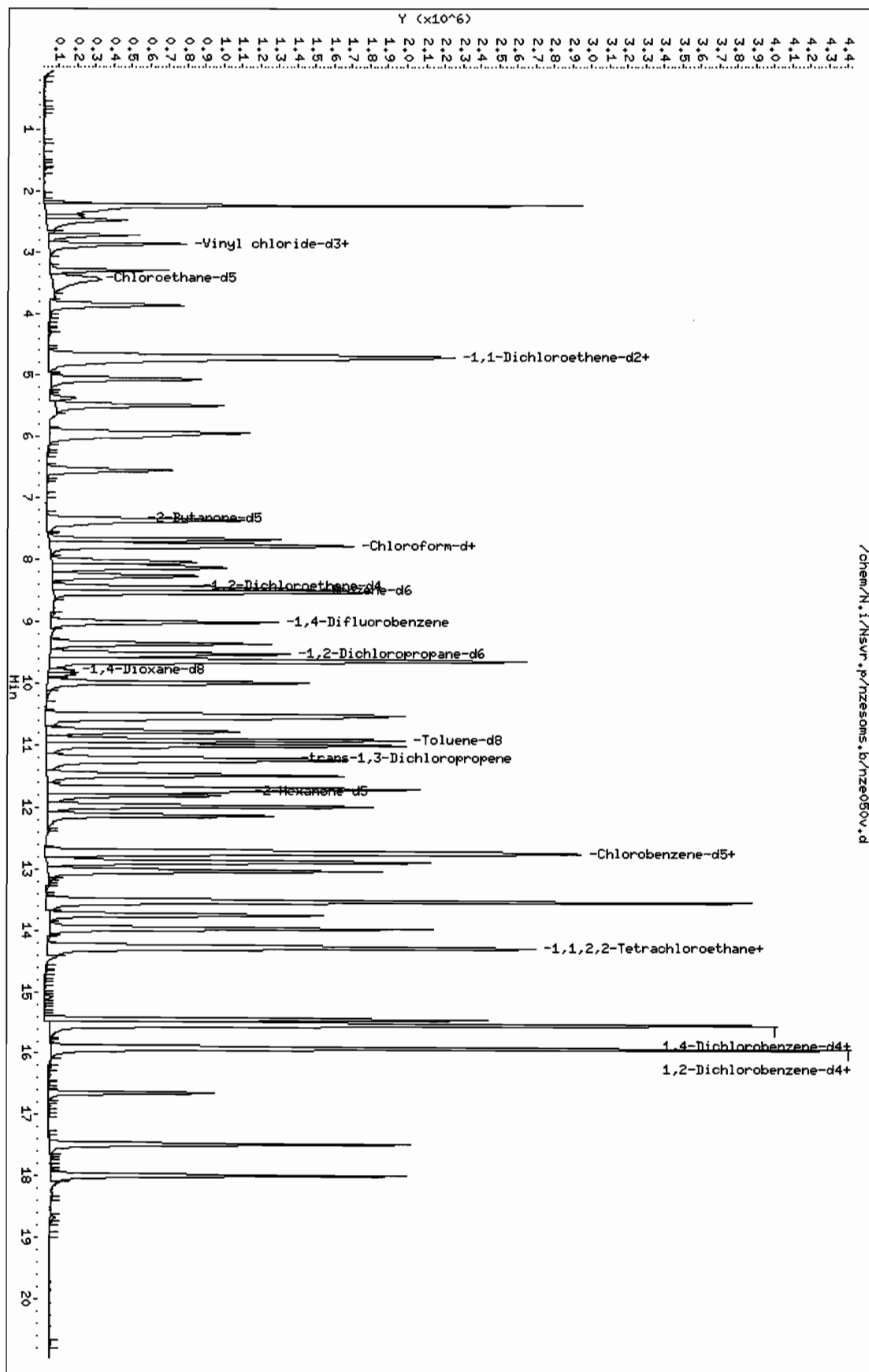
						AMOUNTS	
QUANT SIG						CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
61 1,1,2,2-Tetrachloroethane	83	14.291	14.287	(1.124)	478393	5.00000	5.3
62 1,3-Dichlorobenzene	146	15.443	15.440	(0.996)	435076	5.00000	5.2
* 63 1,4-Dichlorobenzene-d4	152	15.512	15.508	(1.000)	1469611	25.0000	
64 1,4-Dichlorobenzene	146	15.531	15.528	(1.001)	494629	5.00000	5.4
\$ 65 1,2-Dichlorobenzene-d4	152	15.896	15.893	(1.025)	289743	5.00000	5.2
66 1,2-Dichlorobenzene	146	15.916	15.912	(1.026)	424203	5.00000	5.2
67 1,2-Dibromo-3-chloropropane	75	16.634	16.631	(1.072)	75737	5.00000	5.1
68 1,2,4-Trichlorobenzene	180	17.472	17.468	(1.126)	255948	5.00000	4.9
69 1,2,3-Trichlorobenzene	180	17.974	17.980	(1.159)	250198	5.00000	5.0

Data File: /chem/N.i/Nsvr.p/nzesoms.b/nze050v.d
Date : 28-JAN-2010 00:13
Client ID: VSTD025MC
Sample Info:

Column phase: DB-624

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

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzesoms.b/nze050v.d
Lab Smp Id: VSTD025NG Client Smp ID: VSTD025NG
Inj Date : 28-JAN-2010 00:13
Operator : JPl Inst ID: N.i
Smp Info :
Misc Info : VSTD025NG,012710NG,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzesoms.b/soms4.m
Meth Date : 28-Jan-2010 09:46 cmp Quant Type: ISTD
Cal Date : 28-JAN-2010 00:13 Cal File: nze050v.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	2.479	2.479	(0.275)	606821	25.0000	25
2 Chloromethane	50	2.726	2.726	(0.303)	778658	25.0000	24
\$ 3 Vinyl chloride-d3	65	2.864	2.864	(0.318)	748132	25.0000	25
4 Vinyl chloride	62	2.873	2.873	(0.319)	811172	25.0000	26
5 Bromomethane	94	3.297	3.297	(0.366)	690046	25.0000	26 (M)
\$ 6 Chloroethane-d5	69	3.425	3.425	(0.380)	689977	25.0000	27
7 Chloroethane	64	3.464	3.464	(0.385)	548172	25.0000	27
8 Trichlorofluoromethane	101	3.868	3.868	(0.429)	1320631	25.0000	24
\$ 9 1,1-Dichloroethene-d2	63	4.685	4.685	(0.520)	1622173	25.0000	24
10 1,1-Dichloroethene	96	4.705	4.705	(0.522)	716524	25.0000	24
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.725	4.725	(0.524)	1590626	25.0000	25
12 Acetone	43	4.813	4.813	(0.534)	314606	50.0000	47
13 Carbon disulfide	76	5.060	5.060	(0.562)	2478996	25.0000	25

						AMOUNTS	
QUANT SIG						CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
14 Methyl acetate	43	5.365	5.365	(0.596)	443853	25.0000	25
15 Methylene chloride	84	5.483	5.483	(0.609)	947535	25.0000	25
16 trans-1,2-Dichloroethene	96	5.926	5.926	(0.658)	777227	25.0000	24
17 Methyl tert-butyl ether	73	5.985	5.985	(0.664)	1412948	25.0000	26
18 1,1-Dichloroethane	63	6.547	6.547	(0.727)	1504017	25.0000	25
\$ 19 2-Butanone-d5	46	7.325	7.325	(0.813)	635477	50.0000	51
20 cis-1,2-Dichloroethene	96	7.364	7.364	(0.817)	803100	25.0000	25
21 2-Butanone	43	7.413	7.413	(0.823)	574725	50.0000	51
22 Bromochloromethane	128	7.669	7.669	(0.851)	569836	25.0000	25
\$ 23 Chloroform-d	84	7.758	7.758	(0.861)	1487351	25.0000	25
24 Chloroform	83	7.778	7.778	(0.863)	1384559	25.0000	24
25 1,1,1-Trichloroethane	97	8.034	8.034	(0.632)	1054056	25.0000	26
26 Cyclohexane	56	8.122	8.122	(0.639)	1037740	25.0000	25
27 Carbon tetrachloride	117	8.260	8.260	(0.650)	998281	25.0000	26
\$ 28 1,2-Dichloroethane-d4	65	8.428	8.428	(0.936)	465090	25.0000	25
\$ 29 Benzene-d6	84	8.467	8.467	(0.666)	2148849	25.0000	27
30 Benzene	78	8.516	8.516	(0.670)	1995288	25.0000	27
31 1,2-Dichloroethane	62	8.526	8.526	(0.946)	573403	25.0000	26
* 32 1,4-Difluorobenzene	114	9.009	9.009	(1.000)	1912050	25.0000	
33 Trichloroethene	95	9.353	9.353	(0.736)	807753	25.0000	26
\$ 34 1,2-Dichloropropane-d6	67	9.521	9.521	(0.749)	1463972	25.0000	29
35 Methylcyclohexane	55	9.619	9.619	(0.757)	1031057	25.0000	25
36 1,2-Dichloropropane	63	9.629	9.629	(0.758)	1182225	25.0000	28
\$ 37 1,4-Dioxane-d8	96	9.797	9.797	(1.087)	176042	500.000	480
38 1,4-Dioxane	88	9.856	9.856	(1.094)	191578	500.000	510
39 Bromodichloromethane	83	9.984	9.984	(0.785)	1776071	25.0000	26
40 cis-1,3-Dichloropropene	75	10.555	10.555	(0.830)	1642944	25.0000	26
41 4-Methyl-2-pentanone	43	10.772	10.772	(0.847)	1721511	50.0000	53
\$ 42 Toluene-d8	98	10.909	10.909	(0.858)	2571033	25.0000	25
43 Toluene	91	10.998	10.998	(0.865)	2722459	25.0000	24
\$ 44 trans-1,3-Dichloropropene-d4	79	11.205	11.205	(0.881)	1274514	25.0000	26
45 trans-1,3-Dichloropropene	75	11.244	11.244	(0.885)	1315979	25.0000	26
46 1,1,2-Trichloroethane	97	11.481	11.481	(0.903)	1031362	25.0000	27
47 Tetrachloroethene	164	11.697	11.697	(0.920)	882863	25.0000	24
\$ 48 2-Hexanone-d5	63	11.746	11.746	(0.924)	703733	50.0000	51
49 2-Hexanone	43	11.806	11.806	(0.929)	1337357	50.0000	53
50 Dibromochloromethane	129	11.973	11.973	(0.942)	1780662	25.0000	26
51 1,2-Dibromoethane	107	12.131	12.131	(0.954)	1676588	25.0000	26
* 52 Chlorobenzene-d5	117	12.712	12.712	(1.000)	2473670	25.0000	
53 Chlorobenzene	112	12.741	12.741	(1.002)	2300870	25.0000	25
54 Ethylbenzene	91	12.879	12.879	(1.013)	3069717	25.0000	24
55 m,p-Xylene	106	13.027	13.027	(1.025)	1201256	25.0000	24
56 o-Xylene	106	13.519	13.519	(1.064)	1238201	25.0000	24
57 Styrene	104	13.529	13.529	(1.064)	2183963	25.0000	24
58 Bromoform	173	13.746	13.746	(0.886)	1247401	25.0000	28
59 Isopropylbenzene	105	13.962	13.962	(1.098)	3116233	25.0000	23
\$ 60 1,1,2,2-Tetrachloroethane-d2	84	14.258	14.258	(1.122)	2172196	25.0000	26

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	----	--	-----	-----	-----	-----	-----
61 1,1,2,2-Tetrachloroethane	83	14.287	14.287	(1.124)	2125382	25.0000	27
62 1,3-Dichlorobenzene	146	15.440	15.440	(0.996)	1737313	25.0000	24
* 63 1,4-Dichlorobenzene-d4	152	15.508	15.508	(1.000)	1255928	25.0000	
64 1,4-Dichlorobenzene	146	15.528	15.528	(1.001)	1919728	25.0000	24
\$ 65 1,2-Dichlorobenzene-d4	152	15.893	15.893	(1.025)	1167901	25.0000	25
66 1,2-Dichlorobenzene	146	15.912	15.912	(1.026)	1767103	25.0000	25
67 1,2-Dibromo-3-chloropropane	75	16.631	16.631	(1.072)	361956	25.0000	28
68 1,2,4-Trichlorobenzene	180	17.468	17.468	(1.126)	1070008	25.0000	24
69 1,2,3-Trichlorobenzene	180	17.980	17.980	(1.159)	1063359	25.0000	25

QC Flag Legend

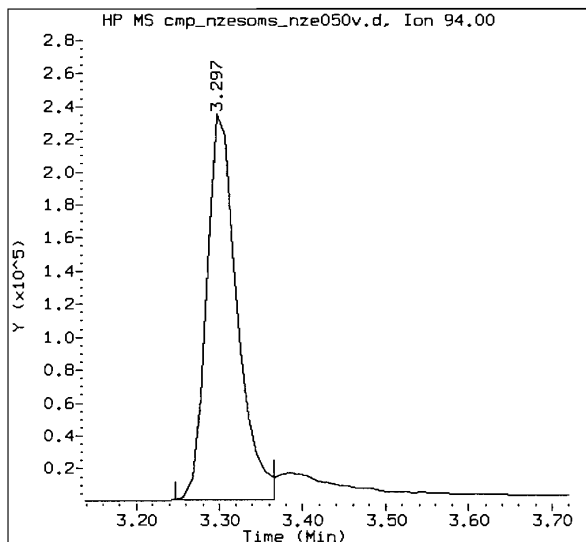
M - Compound response manually integrated.

MANUAL INTEGRATION REPORT

Data File Name: nze050v.d
Client Sample ID: VSTD025NG
Compound Name: Bromomethane

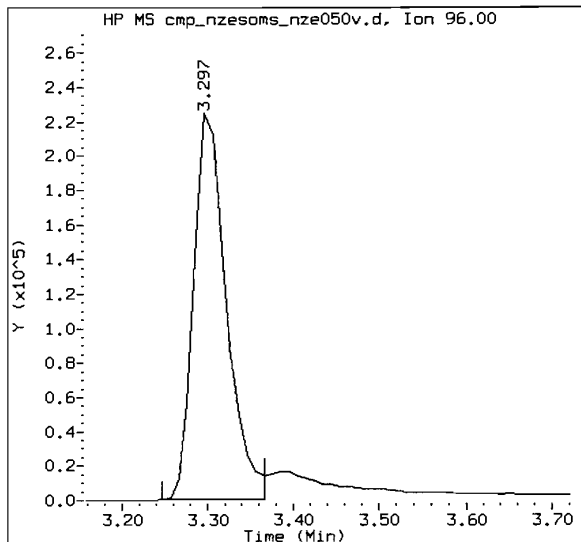
Inj. Date and Time: 28-JAN-2010 00:13
Instrument ID: N.i
CAS #: 74-83-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/28/2010 09:46

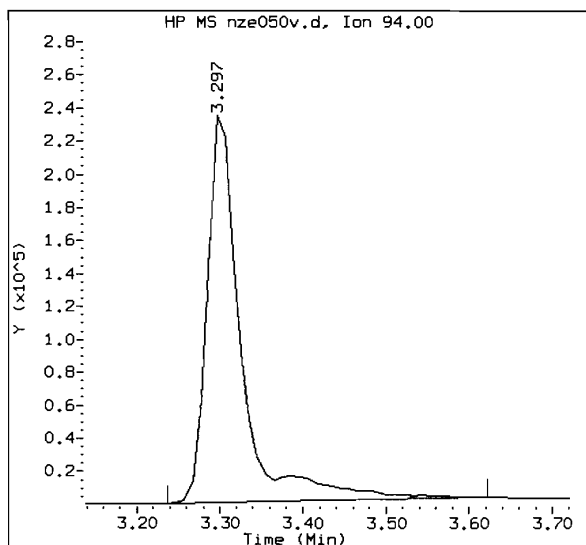


Original Integrations:

Area = 614637

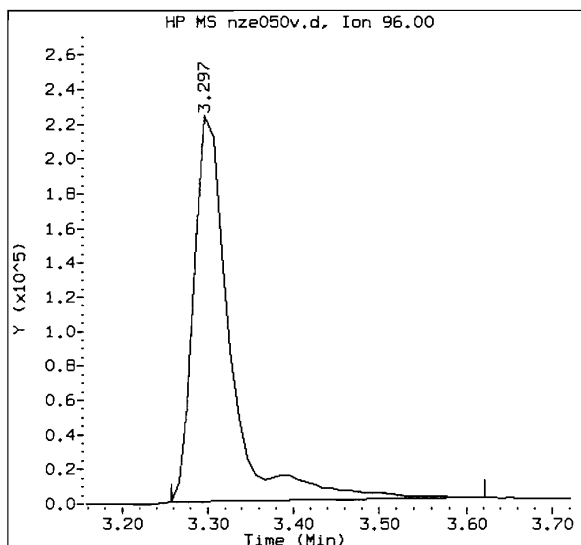


Area = 590899



Final Integrations:

Area = 690046



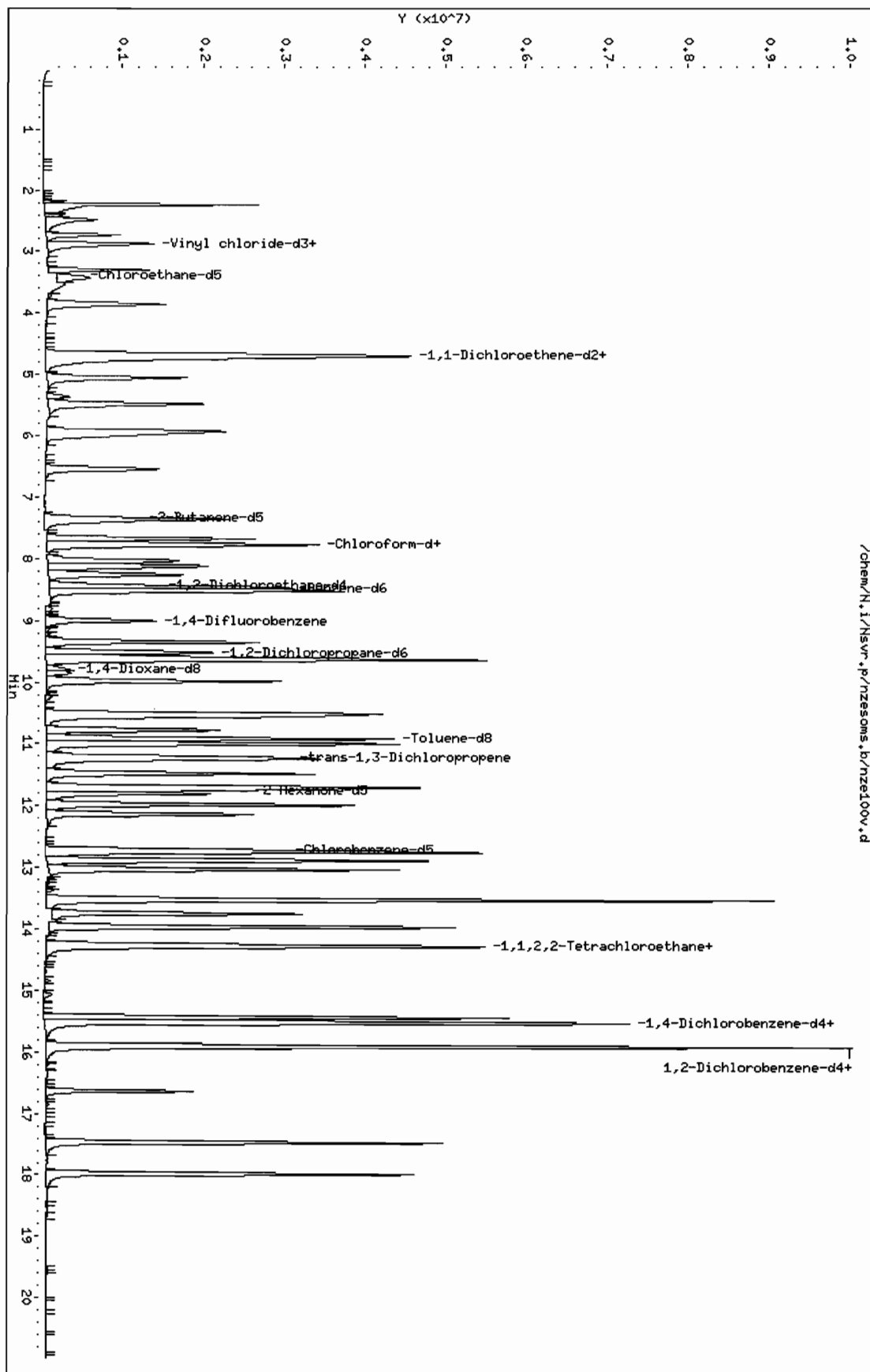
Area = 653703

Manual Integration Reason: MI1 - Poor automated baseline

Data File: /chem/N.1/NSvr.p/nzesoms.b/nze100v.d
Date : 28-JAN-2010 00:41
Client ID: VSTD050NC
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/nzesoms.b/nze100v.d
Lab Smp Id: VSTD050NG Client Smp ID: VSTD050NG
Inj Date : 28-JAN-2010 00:41
Operator : JP1 Inst ID: N.i
Smp Info :
Misc Info : VSTD050NG,012710NG,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzesoms.b/soms4.m
Meth Date : 28-Jan-2010 09:46 cmp Quant Type: ISTD
Cal Date : 28-JAN-2010 00:41 Cal File: nze100v.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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	2.481	2.479	(0.276)	1238109	50.0000	49
2 Chloromethane	50	2.727	2.726	(0.303)	1604063	50.0000	47
\$ 3 Vinyl chloride-d3	65	2.865	2.864	(0.318)	1539004	50.0000	49
4 Vinyl chloride	62	2.875	2.873	(0.319)	1668631	50.0000	50
5 Bromomethane	94	3.298	3.297	(0.366)	1393573	50.0000	50 (M)
\$ 6 Chloroethane-d5	69	3.397	3.425	(0.377)	1359796	50.0000	51 (M)
7 Chloroethane	64	3.446	3.464	(0.383)	1068403	50.0000	50 (M)
8 Trichlorofluoromethane	101	3.850	3.868	(0.428)	2819660	50.0000	49
\$ 9 1,1-Dichloroethene-d2	63	4.677	4.685	(0.520)	3514969	50.0000	49
10 1,1-Dichloroethene	96	4.696	4.705	(0.522)	1543895	50.0000	49
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.716	4.725	(0.524)	3204947	50.0000	48
12 Acetone	43	4.815	4.813	(0.535)	784181	100.000	110
13 Carbon disulfide	76	5.051	5.060	(0.561)	5304479	50.0000	50

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
14 Methyl acetate	43	5.366	5.365	(0.596)	848497	50.0000	45
15 Methylene chloride	84	5.484	5.483	(0.609)	1978573	50.0000	49
16 trans-1,2-Dichloroethene	96	5.918	5.926	(0.658)	1626021	50.0000	48
17 Methyl tert-butyl ether	73	5.977	5.985	(0.664)	2829218	50.0000	49
18 1,1-Dichloroethane	63	6.538	6.547	(0.726)	3104686	50.0000	48
\$ 19 2-Butanone-d5	46	7.326	7.325	(0.814)	1358374	100.000	100
20 cis-1,2-Dichloroethene	96	7.355	7.364	(0.817)	1657573	50.0000	48
21 2-Butanone	43	7.405	7.413	(0.823)	1208108	100.000	100
22 Bromochloromethane	128	7.671	7.669	(0.852)	1191076	50.0000	49
\$ 23 Chloroform-d	84	7.759	7.758	(0.862)	3010786	50.0000	47
24 Chloroform	83	7.779	7.778	(0.864)	2799604	50.0000	47
25 1,1,1-Trichloroethane	97	8.035	8.034	(0.633)	2146110	50.0000	48
26 Cyclohexane	56	8.124	8.122	(0.640)	2183239	50.0000	48
27 Carbon tetrachloride	117	8.252	8.260	(0.650)	2106331	50.0000	50
\$ 28 1,2-Dichloroethane-d4	65	8.419	8.428	(0.935)	912943	50.0000	46
\$ 29 Benzene-d6	84	8.458	8.467	(0.666)	4477859	50.0000	50
30 Benzene	78	8.508	8.516	(0.670)	4125866	50.0000	50
31 1,2-Dichloroethane	62	8.518	8.526	(0.946)	1120719	50.0000	48
* 32 1,4-Difluorobenzene	114	9.000	9.009	(1.000)	2021652	25.0000	
33 Trichloroethene	95	9.345	9.353	(0.736)	1733078	50.0000	50
\$ 34 1,2-Dichloropropane-d6	67	9.512	9.521	(0.749)	2389104	50.0000	43
35 Methylcyclohexane	55	9.611	9.619	(0.757)	2216717	50.0000	49
36 1,2-Dichloropropane	63	9.620	9.629	(0.757)	2320659	50.0000	49
\$ 37 1,4-Dioxane-d8	96	9.788	9.797	(1.088)	349540	1000.00	900
38 1,4-Dioxane	88	9.847	9.856	(1.094)	378380	1000.00	960
39 Bromodichloromethane	83	9.975	9.984	(0.785)	3648399	50.0000	49
40 cis-1,3-Dichloropropene	75	10.546	10.555	(0.830)	3452198	50.0000	51
41 4-Methyl-2-pentanone	43	10.773	10.772	(0.848)	3512113	100.000	98
\$ 42 Toluene-d8	98	10.911	10.909	(0.859)	5596919	50.0000	49
43 Toluene	91	10.989	10.998	(0.865)	6067040	50.0000	49
\$ 44 trans-1,3-Dichloropropene-d4	79	11.206	11.205	(0.882)	2735940	50.0000	51
45 trans-1,3-Dichloropropene	75	11.245	11.244	(0.885)	2901076	50.0000	52
46 1,1,2-Trichloroethane	97	11.472	11.481	(0.903)	2126120	50.0000	50
47 Tetrachloroethene	164	11.689	11.697	(0.920)	2051545	50.0000	50
\$ 48 2-Hexanone-d5	63	11.738	11.746	(0.924)	1533406	100.000	100
49 2-Hexanone	43	11.797	11.806	(0.929)	2853891	100.000	100
50 Dibromochloromethane	129	11.974	11.973	(0.943)	3812046	50.0000	51
51 1,2-Dibromoethane	107	12.132	12.131	(0.955)	3517809	50.0000	50
* 52 Chlorobenzene-d5	117	12.703	12.712	(1.000)	2724036	25.0000	
53 Chlorobenzene	112	12.742	12.741	(1.003)	5122765	50.0000	50
54 Ethylbenzene	91	12.880	12.879	(1.014)	7029748	50.0000	49
55 m,p-Xylene	106	13.018	13.027	(1.025)	2761784	50.0000	50
56 o-Xylene	106	13.511	13.519	(1.064)	2818554	50.0000	50
57 Styrene	104	13.520	13.529	(1.064)	4967506	50.0000	50
58 Bromoform	173	13.747	13.746	(0.887)	2686689	50.0000	52
59 Isopropylbenzene	105	13.964	13.962	(1.099)	7307392	50.0000	49
\$ 60 1,1,2,2-Tetrachloroethane-d2	84	14.259	14.258	(1.122)	4453522	50.0000	49

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
61 1,1,2,2-Tetrachloroethane	83	14.289	14.287	(1.125)	4330889	50.0000	49
62 1,3-Dichlorobenzene	146	15.431	15.440	(0.996)	4095026	50.0000	50
* 63 1,4-Dichlorobenzene-d4	152	15.500	15.508	(1.000)	1429293	25.0000	(Q)
64 1,4-Dichlorobenzene	146	15.520	15.528	(1.001)	4481602	50.0000	50
\$ 65 1,2-Dichlorobenzene-d4	152	15.884	15.893	(1.025)	2630344	50.0000	49
66 1,2-Dichlorobenzene	146	15.904	15.912	(1.026)	4029749	50.0000	51
67 1,2-Dibromo-3-chloropropane	75	16.623	16.631	(1.072)	715183	50.0000	49
68 1,2,4-Trichlorobenzene	180	17.460	17.468	(1.126)	2605076	50.0000	52
69 1,2,3-Trichlorobenzene	180	17.972	17.980	(1.159)	2510938	50.0000	51

QC Flag Legend

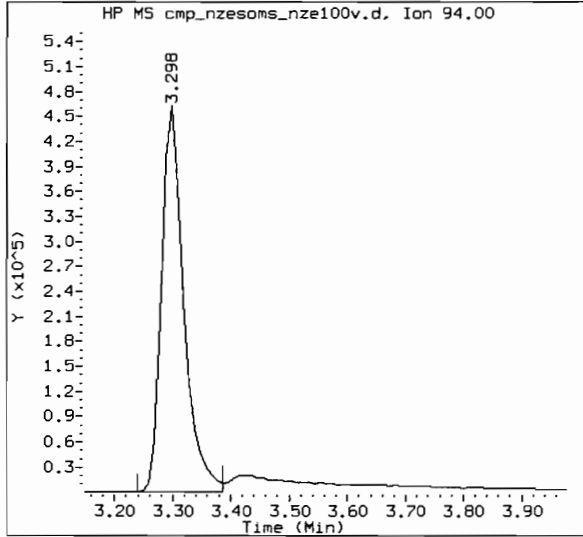
Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

MANUAL INTEGRATION REPORT

Data File Name: nze100v.d
Client Sample ID: VSTD050NG
Compound Name: Bromomethane

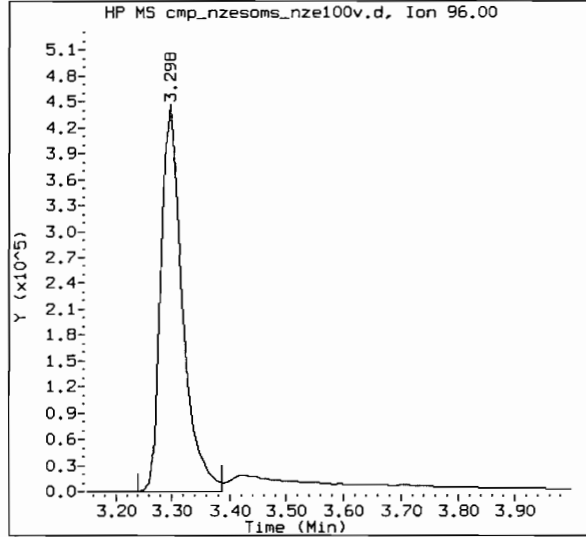
Inj. Date and Time: 28-JAN-2010 00:41
Instrument ID: N.i
CAS #: 74-83-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/28/2010 09:46

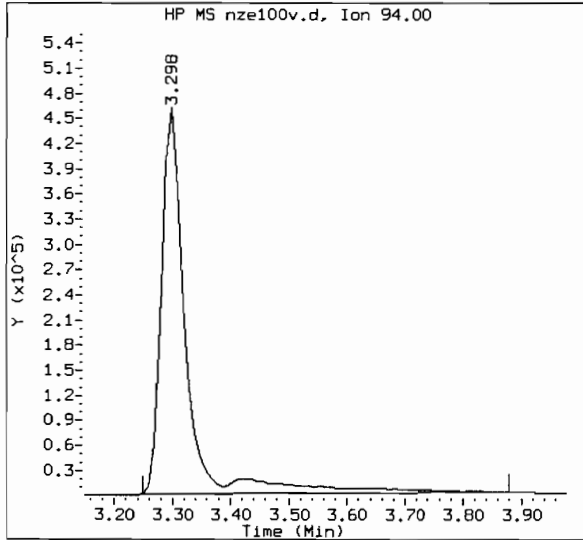


Original Integrations:

Area = 1211887

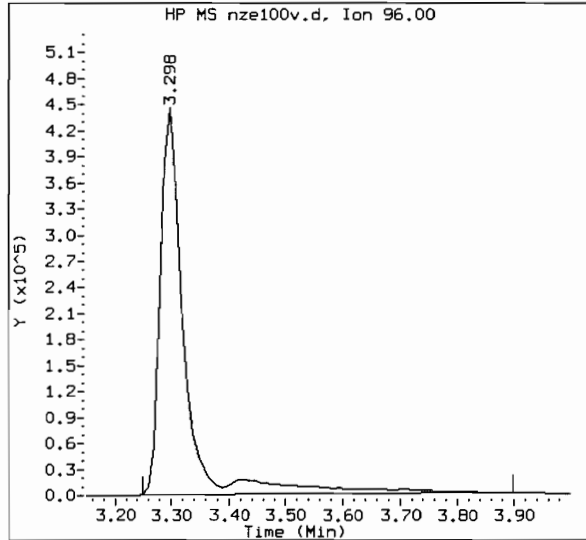


Area = 1173490



Final Integrations:

Area = 1393573



Area = 1358549

Manual Integration Reason: M11 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: nze100v.d

Client Sample ID: VSTD050NG

Compound Name: Chloroethane-d5

Inj. Date and Time: 28-JAN-2010 00:41

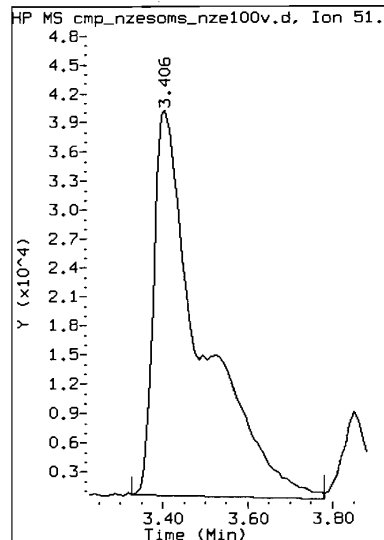
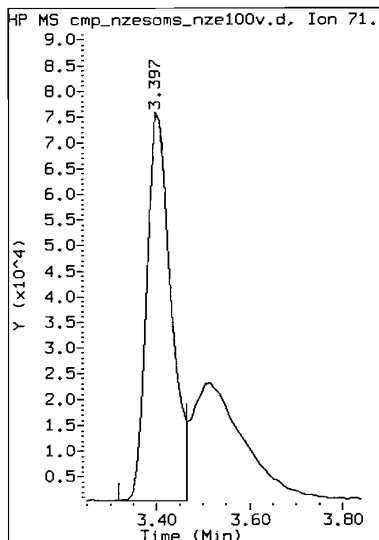
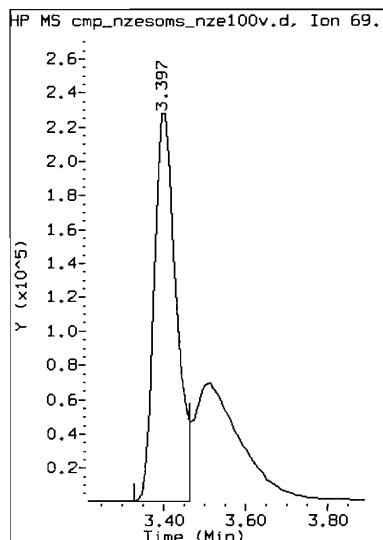
Instrument ID: N.i

CAS #: 19199-91-8

Target Version: Target 3.50

Report Version: 1.1

Report Date: 01/28/2010 09:46

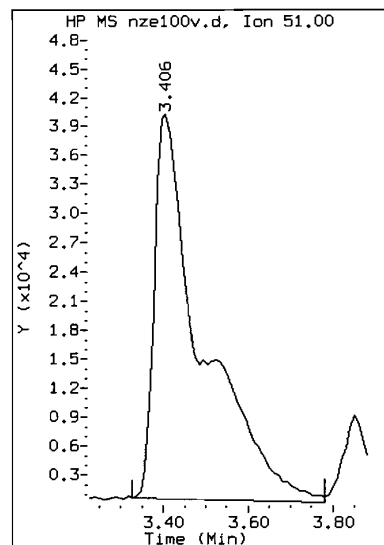
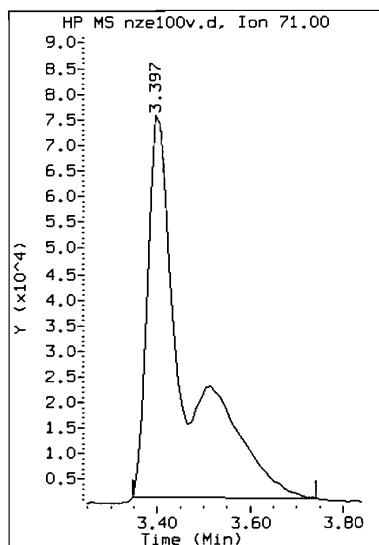
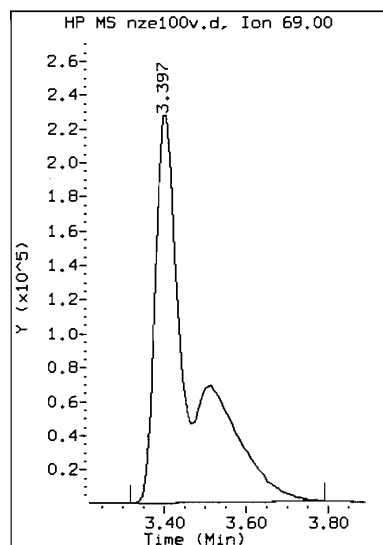


Original Integrations:

Area = 854694

Area = 279344

Area = 309918



Final Integrations:

Area = 1359796

Area = 425975

Area = 309918

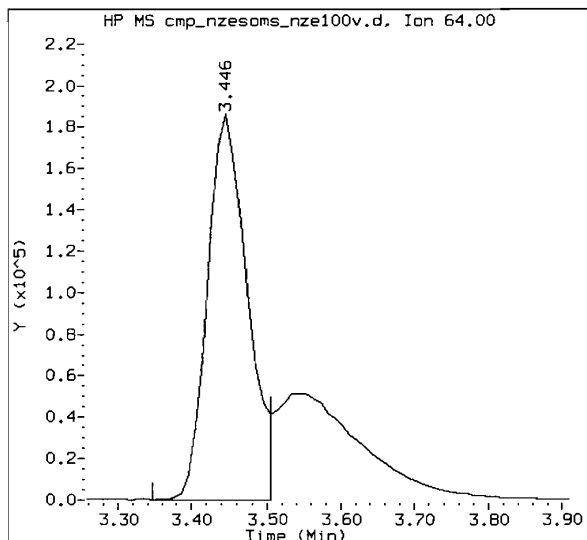
Manual Integration Reason: M11 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: nze100v.d
Client Sample ID: VSTD050NG
Compound Name: Chloroethane

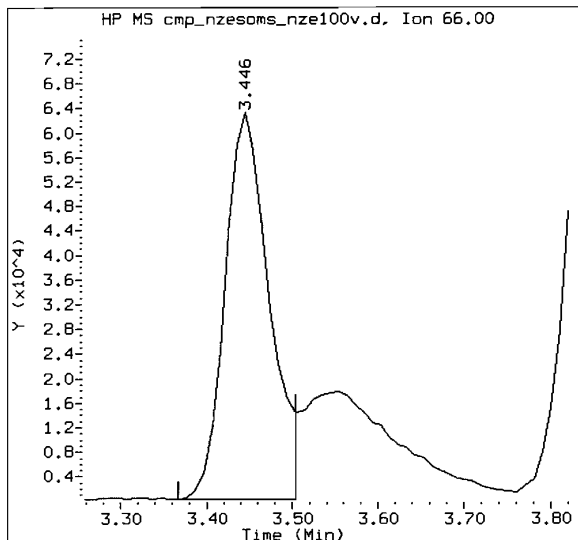
Inj. Date and Time: 28-JAN-2010 00:41
Instrument ID: N.i
CAS #: 75-00-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/28/2010 09:46

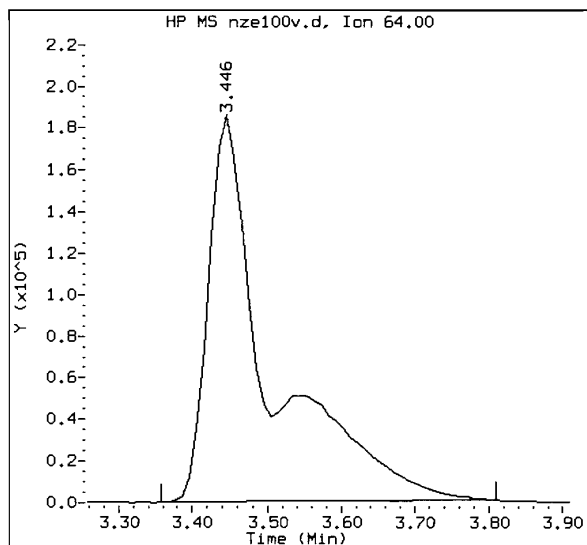


Original Integrations:

Area = 685440



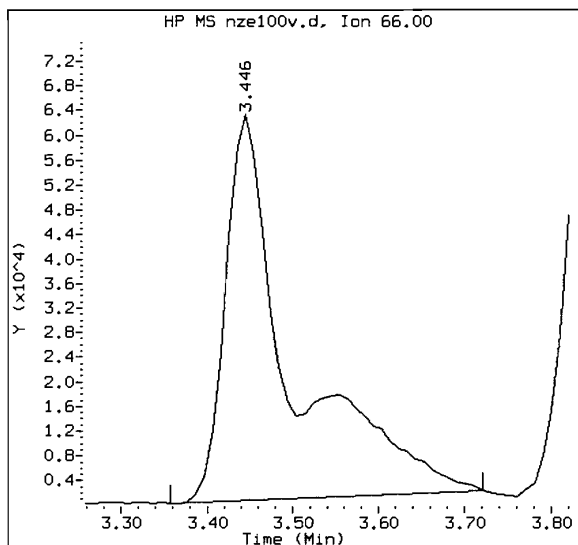
Area = 230498



Final Integrations:

Area = 1068403

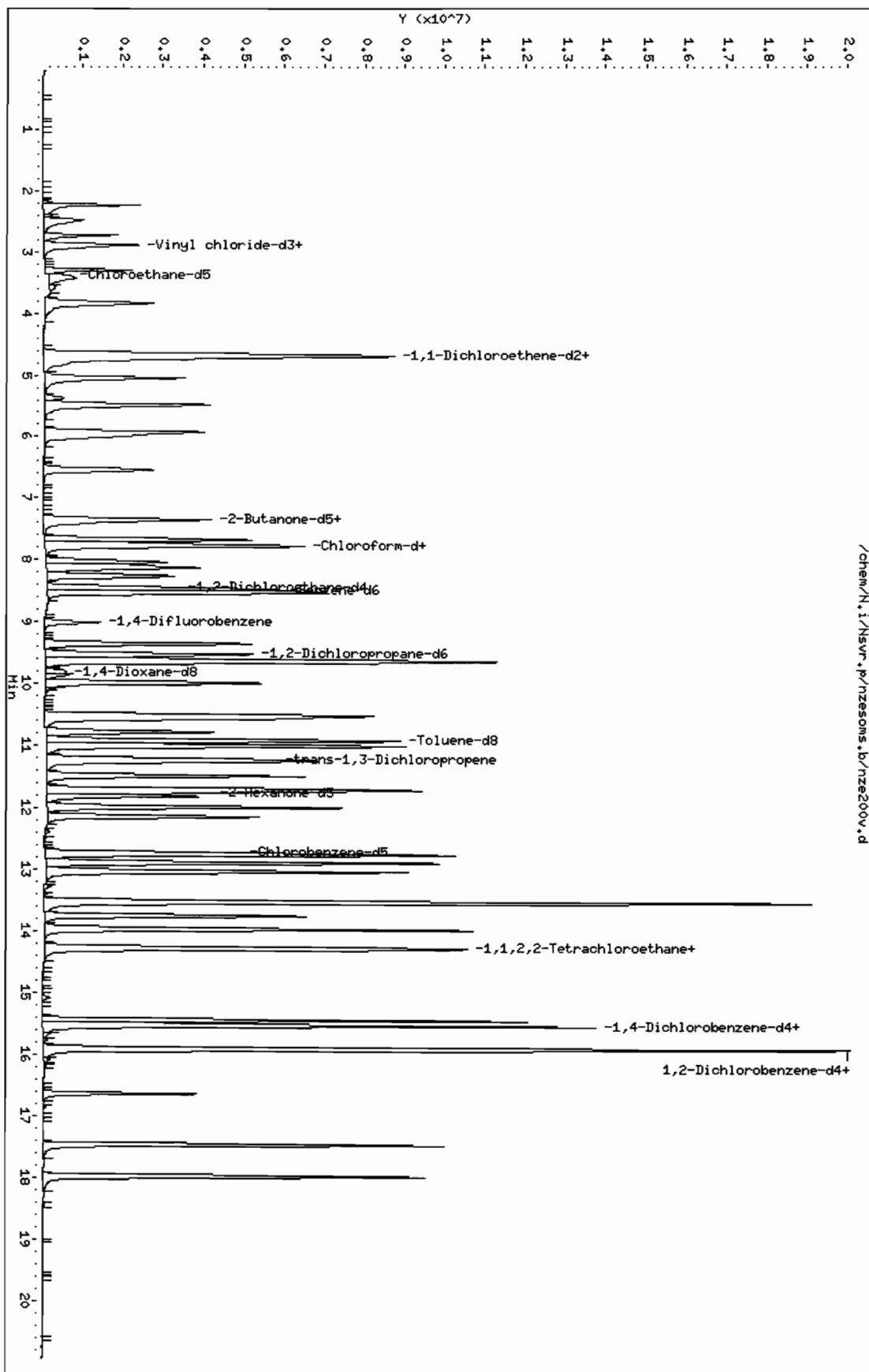
Manual Integration Reason: M11 - Poor automated baseline



Area = 338173

Data File: /chem/N.i/NSvr.p/nzesoms.b/nze200v.d
Date: 28-JAN-2010 01:09
Client ID: VSTD100NG
Sample Info:
Column phase: DB-624

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



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzesoms.b/nze200v.d
Lab Smp Id: VSTD100NG Client Smp ID: VSTD100NG
Inj Date : 28-JAN-2010 01:09
Operator : JPl Inst ID: N.i
Smp Info :
Misc Info : VSTD100NG,012710NG,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzesoms.b/soms4.m
Meth Date : 28-Jan-2010 09:46 cmp Quant Type: ISTD
Cal Date : 28-JAN-2010 01:09 Cal File: nze200v.d
Als bottle: 7 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					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85	2.482	2.479	(0.276)	2450148	100.000	92
2 Chloromethane	50	2.729	2.726	(0.303)	3251838	100.000	91
\$ 3 Vinyl chloride-d3	65	2.876	2.864	(0.320)	3165230	100.000	96
4 Vinyl chloride	62	2.886	2.873	(0.321)	3423482	100.000	97
5 Bromomethane	94	3.300	3.297	(0.367)	2230622	100.000	76
\$ 6 Chloroethane-d5	69	3.388	3.425	(0.376)	1833956	100.000	66 (M)
7 Chloroethane	64	3.438	3.464	(0.382)	1658648	100.000	73 (M)
8 Trichlorofluoromethane	101	3.832	3.868	(0.426)	5912138	100.000	98
\$ 9 1,1-Dichloroethene-d2	63	4.659	4.685	(0.518)	7075588	100.000	94
10 1,1-Dichloroethene	96	4.679	4.705	(0.520)	3101932	100.000	93
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.708	4.725	(0.523)	5582944	100.000	80
12 Acetone	43	4.826	4.813	(0.536)	1110026	200.000	150
13 Carbon disulfide	76	5.043	5.060	(0.560)	10846524	100.000	97

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
14 Methyl acetate	43	5.368	5.365	(0.596)	1490195	100.000	75
15 Methylene chloride	84	5.476	5.483	(0.608)	4016088	100.000	94
16 trans-1,2-Dichloroethene	96	5.919	5.926	(0.658)	3072726	100.000	85
17 Methyl tert-butyl ether	73	5.979	5.985	(0.664)	4924091	100.000	80
18 1,1-Dichloroethane	63	6.540	6.547	(0.726)	6011236	100.000	88
\$ 19 2-Butanone-d5	46	7.338	7.325	(0.815)	2090497	200.000	150
20 cis-1,2-Dichloroethene	96	7.357	7.364	(0.817)	3123175	100.000	86
21 2-Butanone	43	7.416	7.413	(0.824)	1894415	200.000	150
22 Bromochloromethane	128	7.672	7.669	(0.852)	2414802	100.000	95
\$ 23 Chloroform-d	84	7.751	7.758	(0.861)	5704358	100.000	85
24 Chloroform	83	7.781	7.778	(0.864)	5287128	100.000	83
25 1,1,1-Trichloroethane	97	8.027	8.034	(0.631)	4101905	100.000	94
26 Cyclohexane	56	8.116	8.122	(0.638)	4235385	100.000	95
27 Carbon tetrachloride	117	8.253	8.260	(0.649)	4013565	100.000	96
\$ 28 1,2-Dichloroethane-d4	65	8.431	8.428	(0.937)	1661681	100.000	80
\$ 29 Benzene-d6	84	8.460	8.467	(0.665)	8990585	100.000	100 (A)
30 Benzene	78	8.519	8.516	(0.670)	8350283	100.000	100 (A)
31 1,2-Dichloroethane	62	8.519	8.526	(0.946)	2030662	100.000	82
* 32 1,4-Difluorobenzene	114	9.002	9.009	(1.000)	2128824	25.0000	
33 Trichloroethene	95	9.347	9.353	(0.735)	3447945	100.000	100 (A)
\$ 34 1,2-Dichloropropane-d6	67	9.514	9.521	(0.748)	5850928	100.000	110 (A)
35 Methylcyclohexane	55	9.622	9.619	(0.757)	4777364	100.000	110 (A)
36 1,2-Dichloropropane	63	9.632	9.629	(0.758)	4507518	100.000	97
\$ 37 1,4-Dioxane-d8	96	9.800	9.797	(1.089)	714325	2000.00	1800
38 1,4-Dioxane	88	9.859	9.856	(1.095)	753621	2000.00	1800
39 Bromodichloromethane	83	9.987	9.984	(0.785)	6896841	100.000	95
40 cis-1,3-Dichloropropene	75	10.558	10.555	(0.830)	6682978	100.000	99
41 4-Methyl-2-pentanone	43	10.775	10.772	(0.847)	6808294	200.000	190
\$ 42 Toluene-d8	98	10.912	10.909	(0.858)	11219116	100.000	99
43 Toluene	91	11.001	10.998	(0.865)	12146472	100.000	100
\$ 44 trans-1,3-Dichloropropene-d4	79	11.208	11.205	(0.881)	5369763	100.000	100 (A)
45 trans-1,3-Dichloropropene	75	11.247	11.244	(0.885)	5700314	100.000	100 (A)
46 1,1,2-Trichloroethane	97	11.484	11.481	(0.903)	4187721	100.000	99
47 Tetrachloroethene	164	11.700	11.697	(0.920)	4048656	100.000	100 (A)
\$ 48 2-Hexanone-d5	63	11.750	11.746	(0.924)	2778088	200.000	180
49 2-Hexanone	43	11.809	11.806	(0.929)	5126449	200.000	190
50 Dibromochloromethane	129	11.976	11.973	(0.942)	7471122	100.000	100 (A)
51 1,2-Dibromoethane	107	12.134	12.131	(0.954)	7158637	100.000	100 (A)
* 52 Chlorobenzene-d5	117	12.715	12.712	(1.000)	2688362	25.0000	
53 Chlorobenzene	112	12.744	12.741	(1.002)	10154468	100.000	100
54 Ethylbenzene	91	12.882	12.879	(1.013)	14327178	100.000	100 (A)
55 m,p-Xylene	106	13.030	13.027	(1.025)	5712367	100.000	100 (A)
56 o-Xylene	106	13.522	13.519	(1.063)	5817818	100.000	100 (A)
57 Styrene	104	13.522	13.529	(1.063)	10233329	100.000	100 (A)
58 Bromoform	173	13.749	13.746	(0.887)	5394838	100.000	100 (A)
59 Isopropylbenzene	105	13.965	13.962	(1.098)	15048746	100.000	100 (A)
\$ 60 1,1,2,2-Tetrachloroethane-d2	84	14.261	14.258	(1.122)	8605989	100.000	95

						AMOUNTS		
Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
	MASS						(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====	=====
61 1,1,2,2-Tetrachloroethane	83		14.290	14.287	(1.124)	8305697	100.000	96
62 1,3-Dichlorobenzene	146		15.433	15.440	(0.996)	8318303	100.000	100
* 63 1,4-Dichlorobenzene-d4	152		15.502	15.508	(1.000)	1467900	25.0000	(Q)
64 1,4-Dichlorobenzene	146		15.521	15.528	(1.001)	8689174	100.000	94
\$ 65 1,2-Dichlorobenzene-d4	152		15.886	15.893	(1.025)	5297135	100.000	96
66 1,2-Dichlorobenzene	146		15.905	15.912	(1.026)	7931072	100.000	97
67 1,2-Dibromo-3-chloropropane	75		16.624	16.631	(1.072)	1522655	100.000	100 (A)
68 1,2,4-Trichlorobenzene	180		17.461	17.468	(1.126)	5204281	100.000	100 (A)
69 1,2,3-Trichlorobenzene	180		17.974	17.980	(1.159)	5132257	100.000	100 (A)

QC Flag Legend

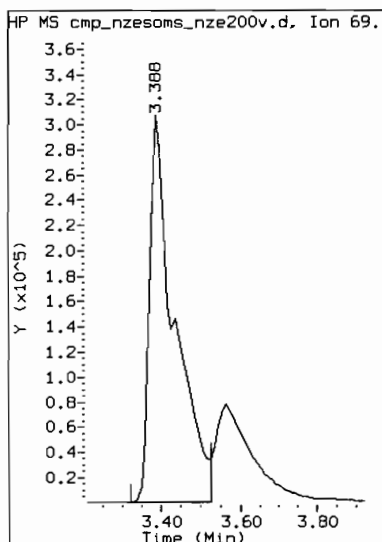
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

MANUAL INTEGRATION REPORT

Data File Name: nze200v.d
Client Sample ID: VSTD100NG
Compound Name: Chloroethane-d5

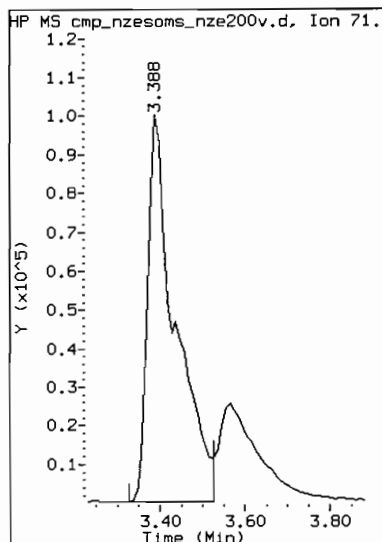
Inj. Date and Time: 28-JAN-2010 01:09
Instrument ID: N.i
CAS #: 19199-91-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/28/2010 09:46

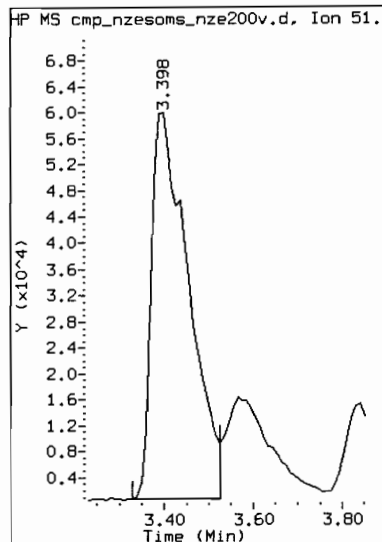


Original Integrations:

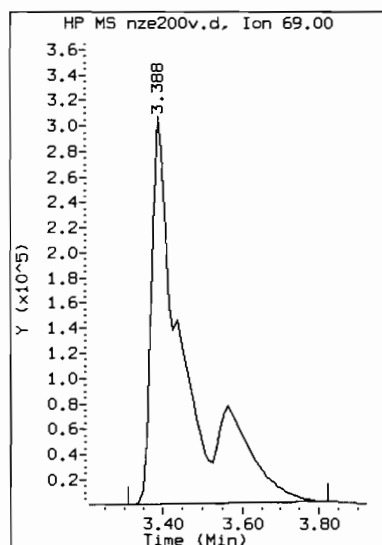
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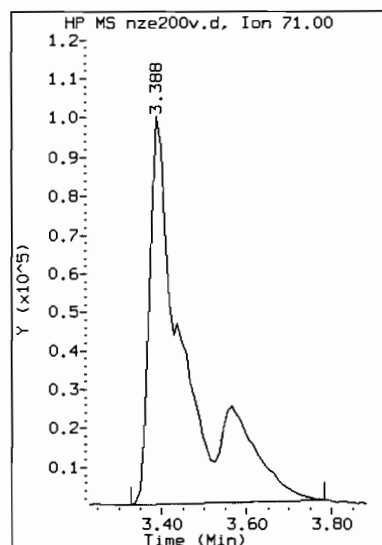


Area = 346139

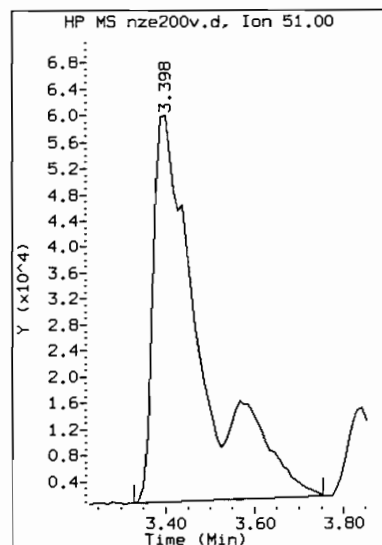


Final Integrations:

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Area = 597077



Area = 438695

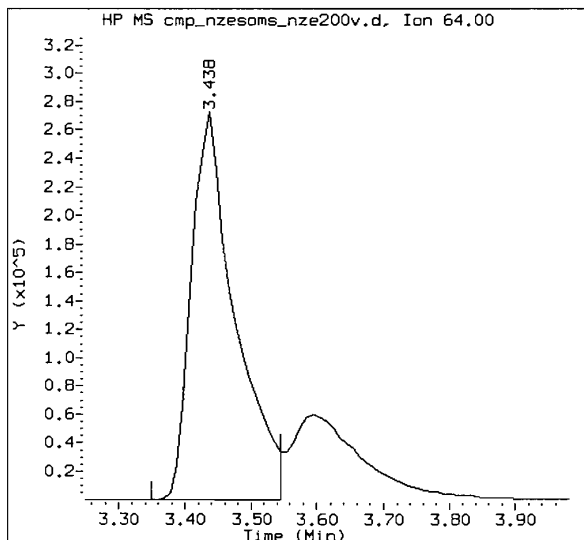
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: nze200v.d
Client Sample ID: VSTD100NG
Compound Name: Chloroethane

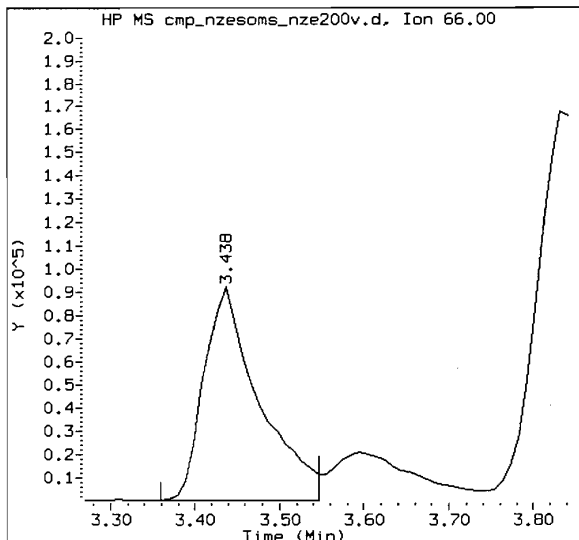
Inj. Date and Time: 28-JAN-2010 01:09
Instrument ID: N.i
CAS #: 75-00-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/28/2010 09:46

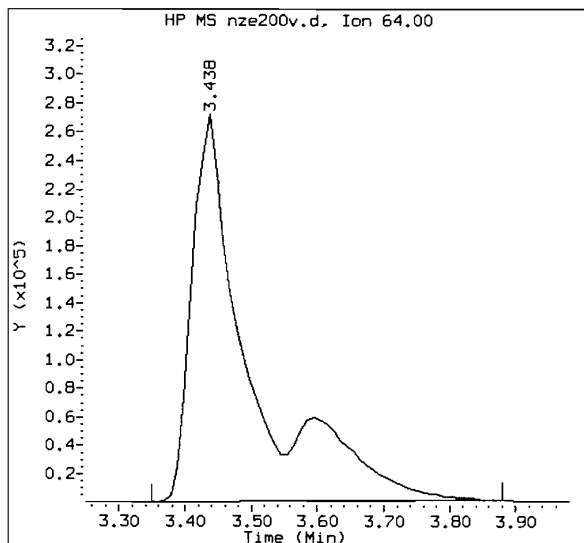


Original Integrations:

Area = 1243162

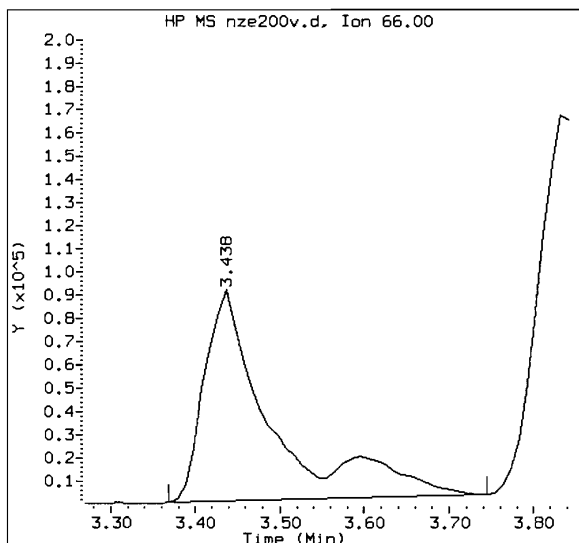


Area = 415042



Final Integrations:

Area = 1658648



Area = 506514

Manual Integration Reason: M11 - 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.: 135376
Instrument ID: N.i Calibration Date: 01/15/2010 Time: 0926
Lab File ID: NZA050BV Init. Calib. Date(s): 01/13/2010 01/13/2010
EPA Sample No.(VSTD#####): VSTD025NQ 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	RRF	RRF25	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.929	0.898	0.010	-3.4	40.0
Chloromethane	0.509	0.501	0.010	-1.6	40.0
Vinyl chloride	0.499	0.488	0.100	-2.2	25.0
Bromomethane	0.364	0.363	0.100	-0.1	25.0
Chloroethane	0.291	0.293	0.010	0.6	40.0
Trichlorofluoromethane	1.057	1.031	0.010	-2.4	40.0
1,1-Dichloroethene	0.428	0.418	0.100	-2.4	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.969	0.943	0.010	-2.6	40.0
Acetone	0.141	0.141	0.010	-0.3	40.0
Carbon disulfide	1.348	1.355	0.010	0.5	40.0
Methyl acetate	0.288	0.303	0.010	5.2	40.0
Methylene chloride	0.444	0.449	0.010	1.1	40.0
trans-1,2-Dichloroethene	0.461	0.461	0.010	0.1	40.0
Methyl tert-butyl ether	0.922	0.923	0.010	0.2	40.0
1,1-Dichloroethane	0.938	0.931	0.200	-0.7	25.0
cis-1,2-Dichloroethene	0.441	0.450	0.010	2.1	40.0
2-Butanone	0.187	0.197	0.010	5.0	40.0
Bromochloromethane	0.283	0.286	0.050	1.0	25.0
Chloroform	0.940	0.951	0.200	1.2	25.0
1,1,1-Trichloroethane	0.659	0.632	0.100	-4.1	25.0
Cyclohexane	0.527	0.493	0.010	-6.5	40.0
Carbon tetrachloride	0.616	0.600	0.100	-2.6	25.0
Benzene	0.908	0.882	0.400	-2.8	25.0
1,2-Dichloroethane	0.491	0.502	0.100	2.4	25.0
1,4-Dioxane	0.004	0.004	0.005	1.2	50.0
Trichloroethene	0.428	0.416	0.300	-2.9	25.0
Methylcyclohexane	0.496	0.521	0.010	5.1	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.: 135376

Instrument ID: N.i Calibration Date: 01/15/2010 Time: 0926

Lab File ID: NZA050BV Init. Calib. Date(s): 01/13/2010 01/13/2010

EPA Sample No.(VSTD#####): VSTD025NQ 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	RRF	RRF25	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.469	0.497	0.010	6.1	40.0
Bromodichloromethane	0.993	0.974	0.200	-1.9	25.0
cis-1,3-Dichloropropene	0.802	0.803	0.200	0.1	25.0
4-Methyl-2-pentanone	0.443	0.429	0.010	-3.1	40.0
Toluene	1.194	1.162	0.400	-2.7	25.0
trans-1,3-Dichloropropene	0.694	0.690	0.100	-0.5	25.0
1,1,2-Trichloroethane	0.437	0.426	0.100	-2.6	25.0
Tetrachloroethene	0.408	0.402	0.100	-1.4	25.0
2-Hexanone	0.334	0.342	0.010	2.4	40.0
Dibromochloromethane	0.805	0.800	0.100	-0.7	25.0
1,2-Dibromoethane	0.708	0.697	0.010	-1.5	40.0
Chlorobenzene	0.961	0.956	0.500	-0.5	25.0
Ethylbenzene	1.465	1.450	0.100	-1.0	25.0
o-Xylene	0.520	0.517	0.300	-0.7	25.0
m,p-Xylene	0.521	0.534	0.300	2.5	25.0
Styrene	0.914	0.916	0.300	0.2	25.0
Bromoform	0.973	0.939	0.050	-3.5	25.0
Isopropylbenzene	1.511	1.520	0.010	0.6	40.0
1,1,2,2-Tetrachloroethane	0.869	0.856	0.300	-1.5	25.0
1,3-Dichlorobenzene	1.419	1.404	0.600	-1.0	25.0
1,4-Dichlorobenzene	1.569	1.573	0.500	0.3	25.0
1,2-Dichlorobenzene	1.398	1.343	0.400	-3.9	25.0
1,2-Dibromo-3-chloropropane	0.375	0.355	0.010	-5.2	40.0
1,2,4-Trichlorobenzene	0.998	1.029	0.200	3.1	25.0
1,2,3-Trichlorobenzene	0.956	0.966	0.200	1.0	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.: 135376
Instrument ID: N.i Calibration Date: 01/15/2010 Time: 0926
Lab File ID: NZA050BV Init. Calib. Date(s): 01/13/2010 01/13/2010
EPA Sample No.(VSTD#####): VSTD025NQ 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	RRF	RRF25	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.457	0.455	0.010	-0.3	25.0
Chloroethane-d5	0.373	0.374	0.010	0.3	40.0
1,1-Dichloroethene-d2	1.169	1.139	0.010	-2.5	25.0
2-Butanone-d5	0.208	0.221	0.010	6.2	40.0
Chloroform-d	0.991	1.023	0.010	3.2	25.0
1,2-Dichloroethane-d4	0.423	0.419	0.010	-1.0	25.0
Benzene-d6	0.987	0.956	0.010	-3.2	25.0
1,2-Dichloropropane-d6	0.562	0.493	0.010	-12.2	40.0
Toluene-d8	1.138	1.111	0.010	-2.3	25.0
trans-1,3-Dichloropropene-d4	0.658	0.664	0.010	0.9	25.0
2-Hexanone-d5	0.167	0.171	0.010	2.7	40.0
1,4-Dioxane-d8	0.004	0.004	0.005	5.7	50.0
1,1,2,2-Tetrachloroethane-d2	0.890	0.881	0.010	-1.0	25.0
1,2-Dichlorobenzene-d4	0.929	0.892	0.010	-4.1	40.0

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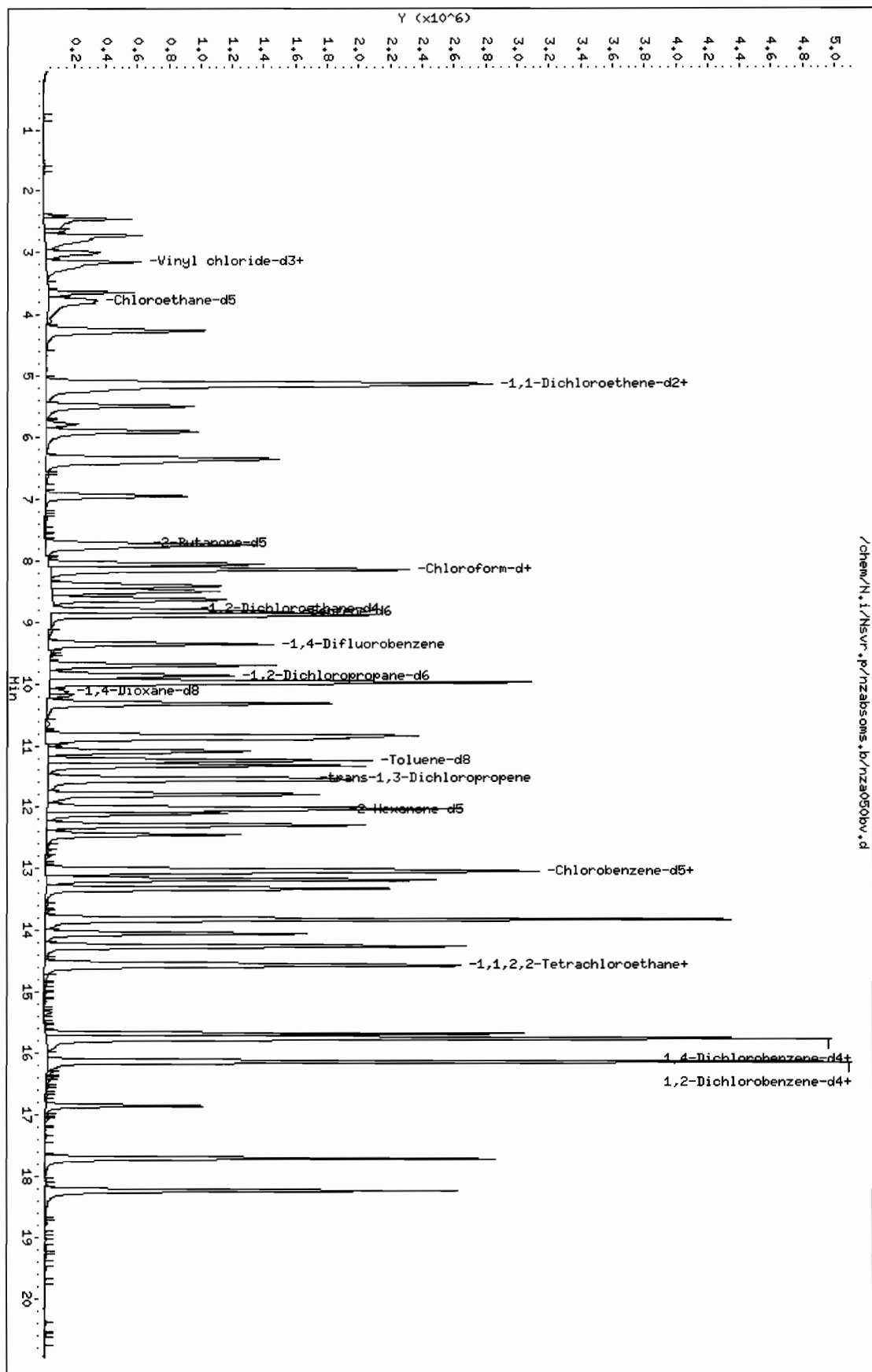
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/N.i/Nsyr.p/nzabsoms.b/nza050bv.d
Date : 15-JAN-2010 09:26
Client ID: VSTD025NQ
Sample Info:
Column phase: DB-624

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

Page 4



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzabsoms.b/nza050bv.d
Lab Smp Id: VSTD025NQ Client Smp ID: VSTD025NQ
Inj Date : 15-JAN-2010 09:26
Operator : JP1 Inst ID: N.i
Smp Info :
Misc Info : VSTD050NQ,011510NQ,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzabsoms.b/soms4.m
Meth Date : 28-Jan-2010 10:36 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	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85		2.722	2.722	(0.291)	1721700	25.0000	24
2 Chloromethane	50		2.998	2.998	(0.321)	959767	25.0000	25
\$ 3 Vinyl chloride-d3	65		3.145	3.145	(0.336)	872891	25.0000	25
4 Vinyl chloride	62		3.155	3.155	(0.337)	934913	25.0000	24
5 Bromomethane	94		3.638	3.638	(0.389)	696736	25.0000	25 (M)
\$ 6 Chloroethane-d5	69		3.766	3.766	(0.403)	717359	25.0000	25 (M)
7 Chloroethane	64		3.805	3.805	(0.407)	562269	25.0000	25
8 Trichlorofluoromethane	101		4.249	4.249	(0.454)	1977350	25.0000	24
\$ 9 1,1-Dichloroethene-d2	63		5.116	5.116	(0.547)	2183706	25.0000	24
10 1,1-Dichloroethene	96		5.135	5.135	(0.549)	800728	25.0000	24
11 1,1,2-Trichloro-1,2,2-trifluo	101		5.155	5.155	(0.551)	1808844	25.0000	24
12 Acetone	43		5.244	5.244	(0.561)	539367	50.0000	50
13 Carbon disulfide	76		5.490	5.490	(0.587)	2597529	25.0000	25

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
14 Methyl acetate	43	5.786	5.786	(0.619)	581159	25.0000	26
15 Methylene chloride	84	5.904	5.904	(0.631)	861152	25.0000	25
16 trans-1,2-Dichloroethene	96	6.347	6.347	(0.679)	884662	25.0000	25
17 Methyl tert-butyl ether	73	6.396	6.396	(0.684)	1769951	25.0000	25
18 1,1-Dichloroethane	63	6.948	6.948	(0.743)	1784729	25.0000	25
\$ 19 2-Butanone-d5	46	7.707	7.707	(0.824)	848691	50.0000	53
20 cis-1,2-Dichloroethene	96	7.746	7.746	(0.828)	863171	25.0000	26
21 2-Butanone	43	7.786	7.786	(0.832)	753879	50.0000	52
22 Bromochloromethane	128	8.052	8.052	(0.861)	547479	25.0000	25
\$ 23 Chloroform-d	84	8.130	8.130	(0.869)	1962122	25.0000	26
24 Chloroform	83	8.150	8.150	(0.871)	1823722	25.0000	25
25 1,1,1-Trichloroethane	97	8.406	8.406	(0.646)	1404204	25.0000	24
26 Cyclohexane	56	8.495	8.495	(0.653)	1095098	25.0000	23
27 Carbon tetrachloride	117	8.633	8.633	(0.663)	1331934	25.0000	24
\$ 28 1,2-Dichloroethane-d4	65	8.790	8.790	(0.940)	802695	25.0000	25
\$ 29 Benzene-d6	84	8.830	8.830	(0.678)	2122806	25.0000	24
30 Benzene	78	8.879	8.879	(0.682)	1958261	25.0000	24
31 1,2-Dichloroethane	62	8.889	8.889	(0.950)	962990	25.0000	26
* 32 1,4-Difluorobenzene	114	9.352	9.352	(1.000)	1917506	25.0000	
33 Trichloroethene	95	9.697	9.697	(0.745)	923433	25.0000	24
\$ 34 1,2-Dichloropropane-d6	67	9.864	9.864	(0.758)	1095611	25.0000	22
35 Methylcyclohexane	55	9.963	9.963	(0.765)	1157905	25.0000	26
36 1,2-Dichloropropane	63	9.973	9.973	(0.766)	1104267	25.0000	27
\$ 37 1,4-Dioxane-d8	96	10.120	10.120	(1.082)	151489	500.000	530
38 1,4-Dioxane	88	10.189	10.189	(1.090)	163670	500.000	510
39 Bromodichloromethane	83	10.317	10.317	(0.793)	2162215	25.0000	25
40 cis-1,3-Dichloropropene	75	10.879	10.879	(0.836)	1784134	25.0000	25
41 4-Methyl-2-pentanone	43	11.086	11.086	(0.852)	1907430	50.0000	48
\$ 42 Toluene-d8	98	11.234	11.234	(0.863)	2467374	25.0000	24
43 Toluene	91	11.312	11.312	(0.869)	2580576	25.0000	24
\$ 44 trans-1,3-Dichloropropene-d4	79	11.519	11.519	(0.885)	1473905	25.0000	25
45 trans-1,3-Dichloropropene	75	11.559	11.559	(0.888)	1532225	25.0000	25
46 1,1,2-Trichloroethane	97	11.785	11.785	(0.905)	945953	25.0000	24
47 Tetrachloroethene	164	12.012	12.012	(0.923)	893753	25.0000	25
\$ 48 2-Hexanone-d5	63	12.041	12.041	(0.925)	761490	50.0000	51
49 2-Hexanone	43	12.101	12.101	(0.930)	1517909	50.0000	51
50 Dibromochloromethane	129	12.288	12.288	(0.944)	1776625	25.0000	25
51 1,2-Dibromoethane	107	12.445	12.445	(0.956)	1548559	25.0000	25
* 52 Chlorobenzene-d5	117	13.017	13.017	(1.000)	2220590	25.0000	
53 Chlorobenzene	112	13.046	13.046	(1.002)	2122474	25.0000	25
54 Ethylbenzene	91	13.174	13.174	(1.012)	3220121	25.0000	25
55 m,p-Xylene	106	13.322	13.322	(1.023)	1185177	25.0000	26
56 o-Xylene	106	13.805	13.805	(1.061)	1147152	25.0000	25
57 Styrene	104	13.815	13.815	(1.061)	2033056	25.0000	25
58 Bromoform	173	14.041	14.041	(0.892)	1202790	25.0000	24
59 Isopropylbenzene	105	14.248	14.248	(1.095)	3374543	25.0000	25
\$ 60 1,1,2,2-Tetrachloroethane-d2	84	14.534	14.534	(1.117)	1955339	25.0000	25

Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====	=====
61 1,1,2,2-Tetrachloroethane	83		14.573	14.573	(1.120)	1900450	25.0000	25
62 1,3-Dichlorobenzene	146		15.677	15.677	(0.996)	1798996	25.0000	25
* 63 1,4-Dichlorobenzene-d4	152		15.746	15.746	(1.000)	1281086	25.0000	
64 1,4-Dichlorobenzene	146		15.765	15.765	(1.001)	2014815	25.0000	25
\$ 65 1,2-Dichlorobenzene-d4	152		16.120	16.120	(1.024)	1142240	25.0000	24
66 1,2-Dichlorobenzene	146		16.140	16.140	(1.025)	1720932	25.0000	24
67 1,2-Dibromo-3-chloropropane	75		16.859	16.859	(1.071)	455334	25.0000	24
68 1,2,4-Trichlorobenzene	180		17.706	17.706	(1.125)	1317975	25.0000	26
69 1,2,3-Trichlorobenzene	180		18.228	18.228	(1.158)	1238044	25.0000	25

QC Flag Legend

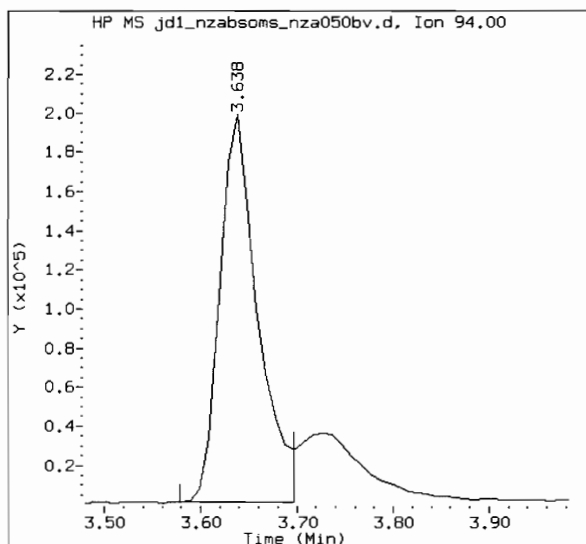
M - Compound response manually integrated.

MANUAL INTEGRATION REPORT

Data File Name: nza050bv.d
Client Sample ID: VSTD025NQ
Compound Name: Bromomethane

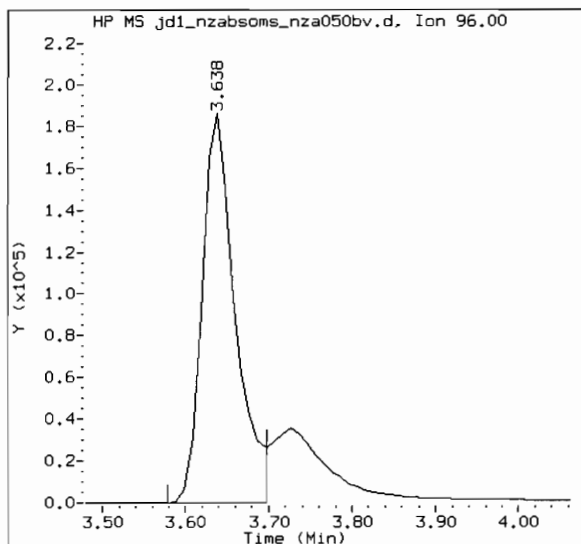
Inj. Date and Time: 15-JAN-2010 09:26
Instrument ID: N.i
CAS #: 74-83-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/28/2010 10:36

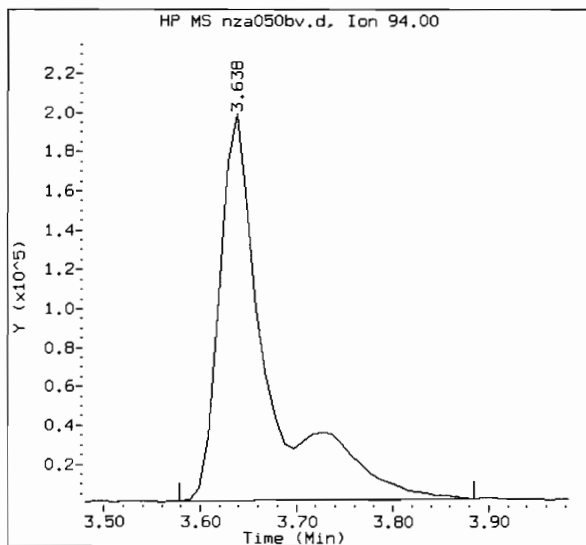


Original Integrations:

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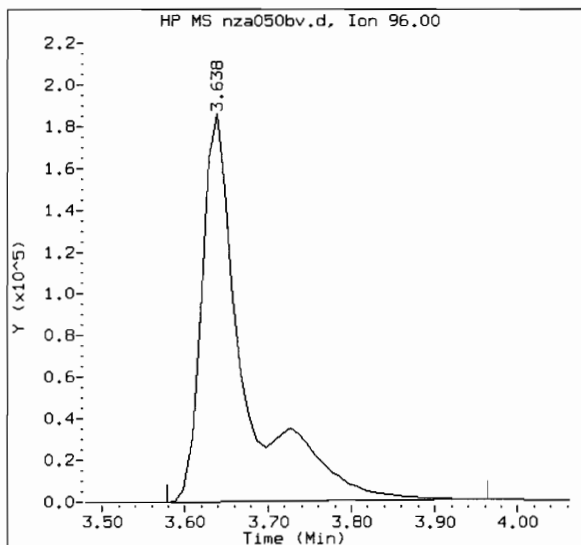


Area = 524315



Final Integrations:

Area = 696736



Area = 676037

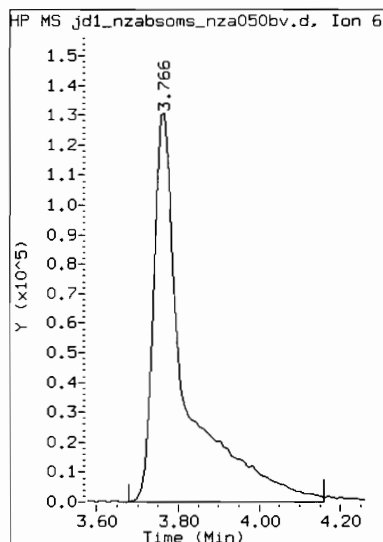
Manual Integration Reason: M11 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: nza050bv.d
Client Sample ID: VSTD025NQ
Compound Name: Chloroethane-d5

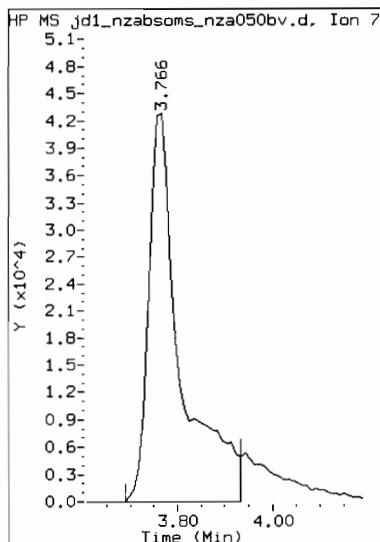
Inj. Date and Time: 15-JAN-2010 09:26
Instrument ID: N.i
CAS #: 19199-91-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/28/2010 10:36

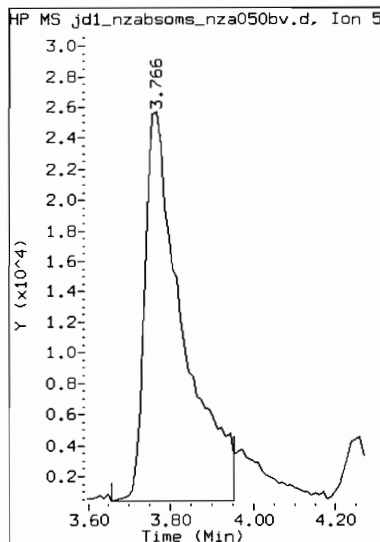


Original Integrations:

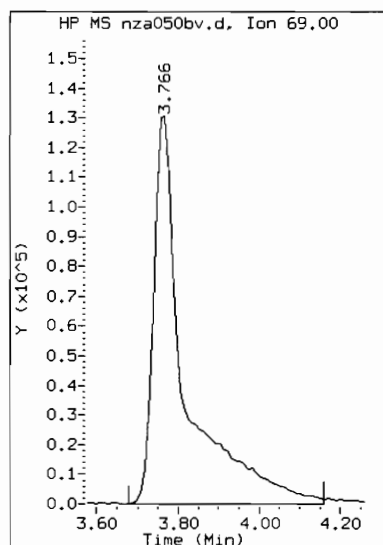
Area = 717359



Area = 204899

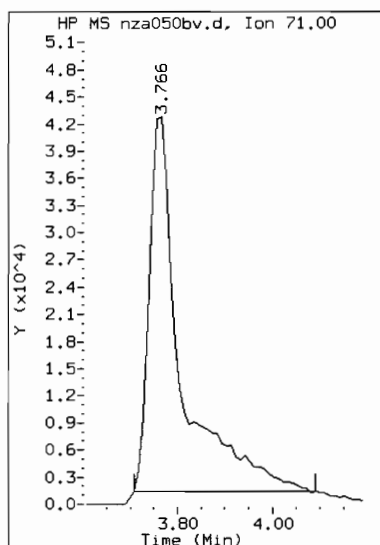


Area = 160772

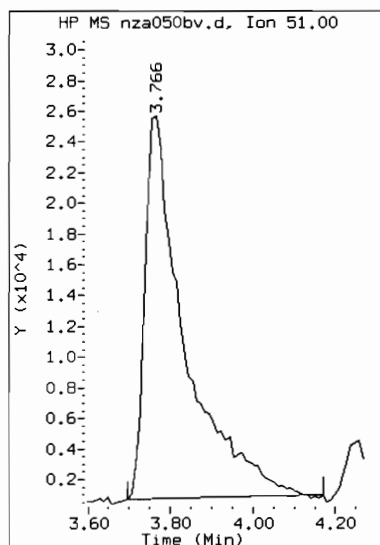


Final Integrations:

Area = 717359



Area = 199406



Area = 167260

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.: 135376
Instrument ID: N.i Calibration Date: 01/15/2010 Time: 1731
Lab File ID: NZA50BC1 Init. Calib. Date(s): 01/13/2010 01/13/2010
EPA Sample No.(VSTD#####): VSTD025QN 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	RRF	RRF25	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.929	0.873	0.010	-6.0	50.0
Chloromethane	0.509	0.493	0.010	-3.0	50.0
Vinyl chloride	0.499	0.473	0.010	-5.2	50.0
Bromomethane	0.364	0.348	0.010	-4.2	50.0
Chloroethane	0.291	0.289	0.010	-0.8	50.0
Trichlorofluoromethane	1.057	1.031	0.010	-2.4	50.0
1,1-Dichloroethene	0.428	0.408	0.010	-4.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.969	0.924	0.010	-4.6	50.0
Acetone	0.141	0.120	0.010	-15.2	50.0
Carbon disulfide	1.348	1.312	0.010	-2.7	50.0
Methyl acetate	0.288	0.285	0.010	-1.1	50.0
Methylene chloride	0.444	0.436	0.010	-1.9	50.0
trans-1,2-Dichloroethene	0.461	0.445	0.010	-3.5	50.0
Methyl tert-butyl ether	0.922	0.877	0.010	-4.8	50.0
1,1-Dichloroethane	0.938	0.908	0.010	-3.1	50.0
cis-1,2-Dichloroethene	0.441	0.434	0.010	-1.6	50.0
2-Butanone	0.187	0.178	0.010	-5.1	50.0
Bromochloromethane	0.283	0.280	0.010	-1.1	50.0
Chloroform	0.940	0.921	0.010	-2.0	50.0
1,1,1-Trichloroethane	0.659	0.649	0.010	-1.5	50.0
Cyclohexane	0.527	0.503	0.010	-4.6	50.0
Carbon tetrachloride	0.616	0.618	0.010	0.3	50.0
Benzene	0.908	0.896	0.010	-1.3	50.0
1,2-Dichloroethane	0.491	0.492	0.010	0.3	50.0
1,4-Dioxane	0.004	0.004	0.005	-1.3	50.0
Trichloroethene	0.428	0.423	0.010	-1.2	50.0
Methylcyclohexane	0.496	0.558	0.010	12.5	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: STLVS Case No.: LASS Mod. Ref No.: SDG No.: 135376
Instrument ID: N.i Calibration Date: 01/15/2010 Time: 1731
Lab File ID: NZA50BC1 Init. Calib. Date(s): 01/13/2010 01/13/2010
EPA Sample No.(VSTD#####): VSTD025QN 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	RRF	RRF25	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.469	0.527	0.010	12.4	50.0
Bromodichloromethane	0.993	0.983	0.010	-0.9	50.0
cis-1,3-Dichloropropene	0.802	0.804	0.010	0.2	50.0
4-Methyl-2-pentanone	0.443	0.434	0.010	-2.1	50.0
Toluene	1.194	1.187	0.010	-0.6	50.0
trans-1,3-Dichloropropene	0.694	0.694	0.010	-0.0	50.0
1,1,2-Trichloroethane	0.437	0.438	0.010	0.3	50.0
Tetrachloroethene	0.408	0.409	0.010	0.2	50.0
2-Hexanone	0.334	0.335	0.010	0.3	50.0
Dibromochloromethane	0.805	0.811	0.010	0.6	50.0
1,2-Dibromoethane	0.708	0.715	0.010	1.0	50.0
Chlorobenzene	0.961	0.947	0.010	-1.5	50.0
Ethylbenzene	1.465	1.449	0.010	-1.1	50.0
o-Xylene	0.520	0.518	0.010	-0.5	50.0
m,p-Xylene	0.521	0.524	0.010	0.6	50.0
Styrene	0.914	0.938	0.010	2.7	50.0
Bromoform	0.973	0.989	0.010	1.6	50.0
Isopropylbenzene	1.511	1.488	0.010	-1.5	50.0
1,1,2,2-Tetrachloroethane	0.869	0.872	0.010	0.4	50.0
1,3-Dichlorobenzene	1.419	1.367	0.010	-3.6	50.0
1,4-Dichlorobenzene	1.569	1.587	0.010	1.2	50.0
1,2-Dichlorobenzene	1.398	1.374	0.010	-1.7	50.0
1,2-Dibromo-3-chloropropane	0.375	0.373	0.010	-0.5	50.0
1,2,4-Trichlorobenzene	0.998	0.961	0.010	-3.7	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.: 135376
Instrument ID: N.i Calibration Date: 01/15/2010 Time: 1731
Lab File ID: NZA50BC1 Init. Calib. Date(s): 01/13/2010 01/13/2010
EPA Sample No. (VSTD#####): VSTD025QN 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	RRF	RRF25	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.457	0.436	0.010	-4.6	50.0
Chloroethane-d5	0.373	0.366	0.010	-1.9	50.0
1,1-Dichloroethene-d2	1.169	1.130	0.010	-3.3	50.0
2-Butanone-d5	0.208	0.201	0.010	-3.5	50.0
Chloroform-d	0.991	0.992	0.010	0.1	50.0
1,2-Dichloroethane-d4	0.423	0.417	0.010	-1.3	50.0
Benzene-d6	0.987	0.971	0.010	-1.7	50.0
1,2-Dichloropropane-d6	0.562	0.644	0.010	14.6	50.0
Toluene-d8	1.138	1.136	0.010	-0.1	50.0
trans-1,3-Dichloropropene-d4	0.658	0.666	0.010	1.3	50.0
2-Hexanone-d5	0.167	0.171	0.010	2.5	50.0
1,4-Dioxane-d8	0.004	0.004	0.005	1.6	50.0
1,1,2,2-Tetrachloroethane-d2	0.890	0.907	0.010	1.9	50.0
1,2-Dichlorobenzene-d4	0.929	0.918	0.010	-1.3	50.0

<-

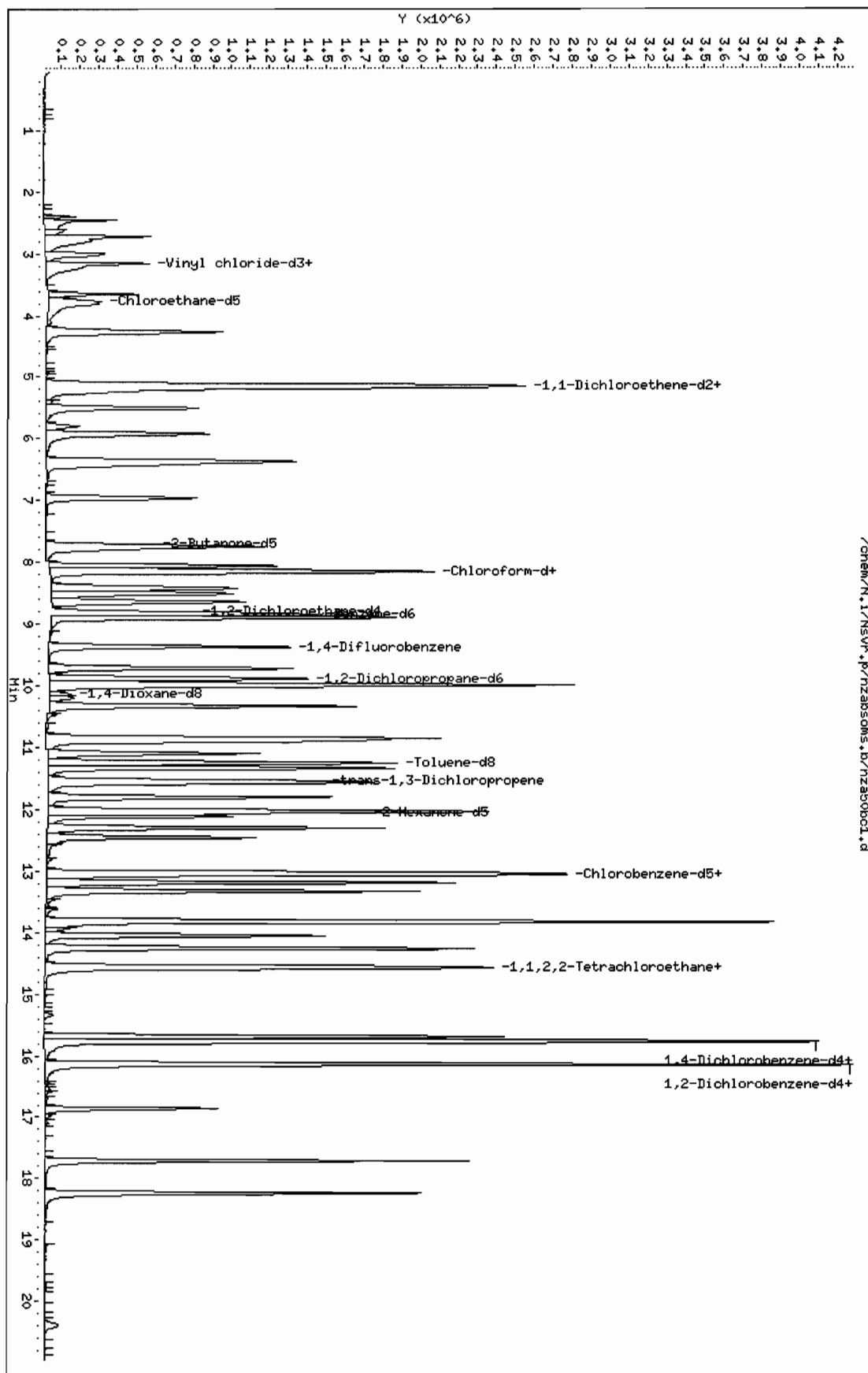
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/N.i/Nsyr.p/nzabsoms.b/nza50bcd.d
Date: 15-JAN-2010 17:31
Client ID: VSTD025QN
Sample Info:
Column phase: DB-624

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

Page 4



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzabsoms.b/nza50bc1.d
Lab Smp Id: VSTD025QN Client Smp ID: VSTD025QN
Inj Date : 15-JAN-2010 17:31
Operator : JP1 Inst ID: N.i
Smp Info :
Misc Info : VSTD050QN,011510NQ,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzabsoms.b/soms4.m
Meth Date : 28-Jan-2010 10:36 jdl Quant Type: ISTD
Cal Date : 13-JAN-2010 18:56 Cal File: nza200v.d
Als bottle: 5 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	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)
1 Dichlorodifluoromethane	85	2.726	2.722	(0.291)	1531636	25.0000	23
2 Chloromethane	50	3.002	2.998	(0.321)	865255	25.0000	24
\$ 3 Vinyl chloride-d3	65	3.150	3.145	(0.336)	764399	25.0000	24
4 Vinyl chloride	62	3.160	3.155	(0.337)	829064	25.0000	24
5 Bromomethane	94	3.642	3.638	(0.389)	610839	25.0000	24 (M)
\$ 6 Chloroethane-d5	69	3.771	3.766	(0.403)	642195	25.0000	25
7 Chloroethane	64	3.820	3.805	(0.408)	507105	25.0000	25
8 Trichlorofluoromethane	101	4.263	4.249	(0.455)	1808613	25.0000	24
\$ 9 1,1-Dichloroethene-d2	63	5.120	5.116	(0.547)	1982322	25.0000	24
10 1,1-Dichloroethene	96	5.140	5.135	(0.549)	715248	25.0000	24
11 1,1,2-Trichloro-1,2,2-trifluo	101	5.169	5.155	(0.552)	1621260	25.0000	24
12 Acetone	43	5.248	5.244	(0.560)	419689	50.0000	42
13 Carbon disulfide	76	5.504	5.490	(0.588)	2300821	25.0000	24

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
14 Methyl acetate	43	5.800	5.786	(0.619)	499801	25.0000	25
15 Methylene chloride	84	5.918	5.904	(0.632)	763992	25.0000	25
16 trans-1,2-Dichloroethene	96	6.352	6.347	(0.678)	779917	25.0000	24
17 Methyl tert-butyl ether	73	6.401	6.396	(0.683)	1538490	25.0000	24
18 1,1-Dichloroethane	63	6.953	6.948	(0.742)	1593331	25.0000	24
\$ 19 2-Butanone-d5	46	7.711	7.707	(0.823)	705560	50.0000	48
20 cis-1,2-Dichloroethene	96	7.751	7.746	(0.828)	761205	25.0000	25
21 2-Butanone	43	7.790	7.786	(0.832)	623519	50.0000	47
22 Bromochloromethane	128	8.056	8.052	(0.860)	490641	25.0000	25
\$ 23 Chloroform-d	84	8.135	8.130	(0.869)	1740152	25.0000	25
24 Chloroform	83	8.155	8.150	(0.871)	1616040	25.0000	25
25 1,1,1-Trichloroethane	97	8.411	8.406	(0.646)	1268023	25.0000	25
26 Cyclohexane	56	8.499	8.495	(0.653)	982506	25.0000	24
27 Carbon tetrachloride	117	8.637	8.633	(0.663)	1205960	25.0000	25
\$ 28 1,2-Dichloroethane-d4	65	8.795	8.790	(0.939)	732030	25.0000	25
\$ 29 Benzene-d6	84	8.844	8.830	(0.679)	1895520	25.0000	25
30 Benzene	78	8.893	8.879	(0.683)	1749493	25.0000	25
31 1,2-Dichloroethane	62	8.893	8.889	(0.950)	863137	25.0000	25
* 32 1,4-Difluorobenzene	114	9.366	9.352	(1.000)	1753976	25.0000	
33 Trichloroethene	95	9.711	9.697	(0.746)	826283	25.0000	25
\$ 34 1,2-Dichloropropane-d6	67	9.869	9.864	(0.758)	1257734	25.0000	29
35 Methylcyclohexane	55	9.977	9.963	(0.766)	1089445	25.0000	28
36 1,2-Dichloropropane	63	9.987	9.973	(0.767)	1028507	25.0000	28
\$ 37 1,4-Dioxane-d8	96	10.135	10.120	(1.082)	133150	500.000	510
38 1,4-Dioxane	88	10.204	10.189	(1.089)	146087	500.000	490
39 Bromodichloromethane	83	10.322	10.317	(0.793)	1919877	25.0000	25
40 cis-1,3-Dichloropropene	75	10.893	10.879	(0.837)	1570216	25.0000	25
41 4-Methyl-2-pentanone	43	11.090	11.086	(0.852)	1694899	50.0000	49
\$ 42 Toluene-d8	98	11.238	11.234	(0.863)	2218910	25.0000	25
43 Toluene	91	11.327	11.312	(0.870)	2318425	25.0000	25
\$ 44 trans-1,3-Dichloropropene-d4	79	11.524	11.519	(0.885)	1300986	25.0000	25
45 trans-1,3-Dichloropropene	75	11.563	11.559	(0.888)	1354354	25.0000	25
46 1,1,2-Trichloroethane	97	11.800	11.785	(0.906)	855726	25.0000	25
47 Tetrachloroethene	164	12.016	12.012	(0.923)	798127	25.0000	25
\$ 48 2-Hexanone-d5	63	12.046	12.041	(0.925)	667740	50.0000	51
49 2-Hexanone	43	12.105	12.101	(0.930)	1307769	50.0000	50
50 Dibromochloromethane	129	12.292	12.288	(0.944)	1582752	25.0000	25
51 1,2-Dibromoethane	107	12.450	12.445	(0.956)	1395496	25.0000	25
* 52 Chlorobenzene-d5	117	13.021	13.017	(1.000)	1952541	25.0000	
53 Chlorobenzene	112	13.051	13.046	(1.002)	1848361	25.0000	25
54 Ethylbenzene	91	13.179	13.174	(1.012)	2828580	25.0000	25
55 m,p-Xylene	106	13.317	13.322	(1.023)	1023597	25.0000	25
56 o-Xylene	106	13.809	13.805	(1.061)	1010924	25.0000	25
57 Styrene	104	13.819	13.815	(1.061)	1831714	25.0000	26
58 Bromoform	173	14.046	14.041	(0.892)	1055805	25.0000	25
59 Isopropylbenzene	105	14.253	14.248	(1.095)	2904909	25.0000	25
\$ 60 1,1,2,2-Tetrachloroethane-d2	84	14.538	14.534	(1.117)	1771048	25.0000	25

						AMOUNTS			
		QUANT SIG				CAL-AMT	ON-COL		
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)	
=====		=====	==	=====	=====	=====	=====	=====	
61	1,1,2,2-Tetrachloroethane	83	14.568	14.573	(1.119)	1702252	25.0000	25	
62	1,3-Dichlorobenzene	146	15.681	15.677	(0.996)	1459852	25.0000	24	
*	63	1,4-Dichlorobenzene-d4	152	15.740	15.746	(1.000)	1067885	25.0000	
	64	1,4-Dichlorobenzene	146	15.770	15.765	(1.002)	1694422	25.0000	25
\$	65	1,2-Dichlorobenzene-d4	152	16.115	16.120	(1.024)	979949	25.0000	25
	66	1,2-Dichlorobenzene	146	16.134	16.140	(1.025)	1467204	25.0000	25
	67	1,2-Dibromo-3-chloropropane	75	16.854	16.859	(1.071)	398115	25.0000	25
	68	1,2,4-Trichlorobenzene	180	17.701	17.706	(1.125)	1026261	25.0000	24
	69	1,2,3-Trichlorobenzene	180	18.233	18.228	(1.158)	973543	25.0000	24

QC Flag Legend

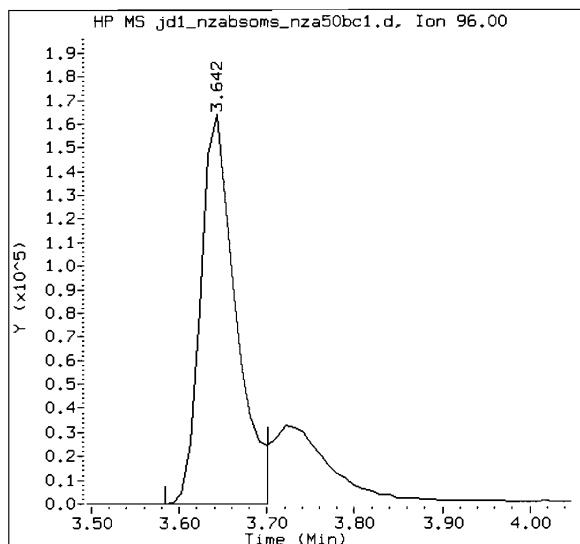
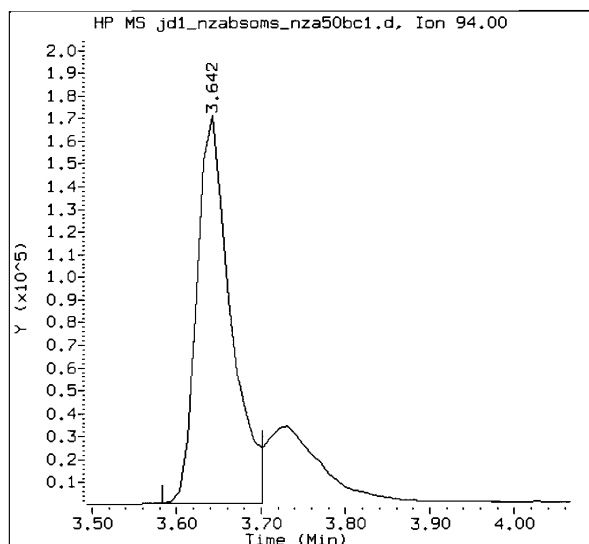
M - Compound response manually integrated.

MANUAL INTEGRATION REPORT

Data File Name: nza50bc1.d
Client Sample ID: VSTD025QN
Compound Name: Bromomethane

Inj. Date and Time: 15-JAN-2010 17:31
Instrument ID: N.i
CAS #: 74-83-9

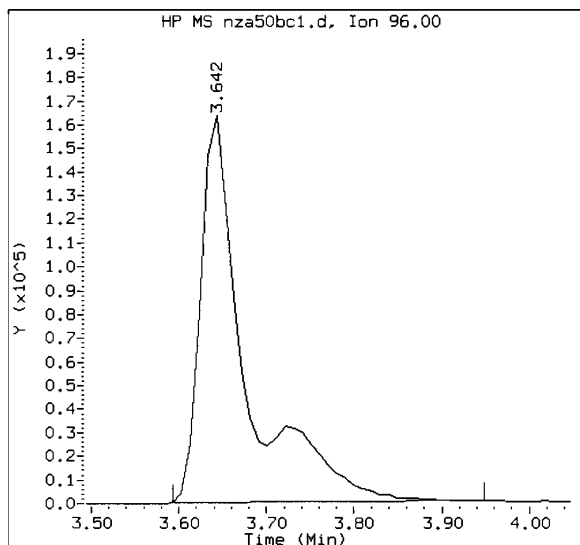
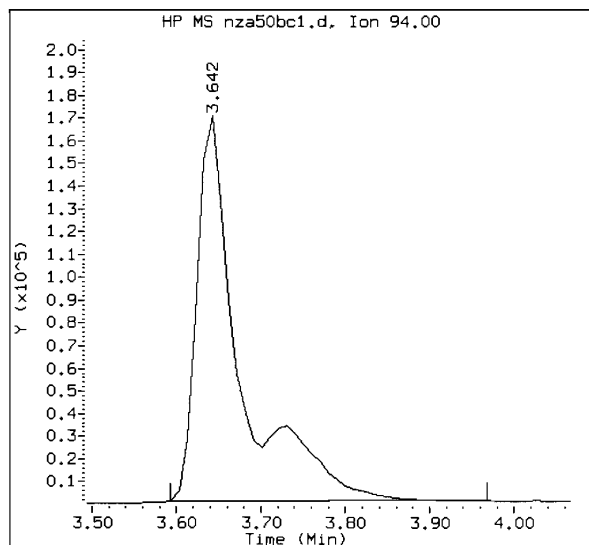
Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/28/2010 10:36



Original Integrations:

Area = 475960

Area = 462042



Final Integrations:

Area = 610839

Area = 591750

Manual Integration Reason: M11 - 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.: 135376
Instrument ID: N.i Calibration Date: 01/28/2010 Time: 0910
Lab File ID: NZE050HV Init. Calib. Date(s): 01/27/2010 01/28/2010
EPA Sample No.(VSTD#####): VSTD025NH Init. Calib. Time(s): 2317 0109
Heated Purge: (Y/N)Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 10.0 (mL)

COMPOUND	RRF	RRF25	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.311	0.307	0.010	-1.2	40.0
Chloromethane	0.419	0.385	0.010	-8.0	40.0
Vinyl chloride	0.414	0.411	0.100	-0.9	25.0
Bromomethane	0.346	0.351	0.100	1.3	25.0
Chloroethane	0.266	0.277	0.010	4.0	40.0
Trichlorofluoromethane	0.707	0.686	0.010	-3.0	40.0
1,1-Dichloroethene	0.390	0.380	0.100	-2.6	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.825	0.803	0.010	-2.6	40.0
Acetone	0.087	0.116	0.010	32.2	40.0
Carbon disulfide	1.313	1.295	0.010	-1.4	40.0
Methyl acetate	0.232	0.219	0.010	-5.7	40.0
Methylene chloride	0.500	0.478	0.010	-4.3	40.0
trans-1,2-Dichloroethene	0.422	0.413	0.010	-2.1	40.0
Methyl tert-butyl ether	0.719	0.687	0.010	-4.5	40.0
1,1-Dichloroethane	0.799	0.775	0.200	-3.0	25.0
cis-1,2-Dichloroethene	0.428	0.417	0.010	-2.7	40.0
2-Butanone	0.148	0.162	0.010	9.1	40.0
Bromochloromethane	0.298	0.293	0.050	-1.7	25.0
Chloroform	0.744	0.711	0.200	-4.4	25.0
1,1,1-Trichloroethane	0.407	0.381	0.100	-6.3	25.0
Cyclohexane	0.415	0.374	0.010	-9.9	40.0
Carbon tetrachloride	0.388	0.365	0.100	-5.8	25.0
Benzene	0.757	0.691	0.400	-8.8	25.0
1,2-Dichloroethane	0.291	0.285	0.100	-2.1	25.0
1,4-Dioxane	0.005	0.004	0.005	-9.0	50.0
Trichloroethene	0.318	0.321	0.300	0.9	25.0
Methylcyclohexane	0.416	0.372	0.010	-10.6	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.: 135376

Instrument ID: N.i Calibration Date: 01/28/2010 Time: 0910

Lab File ID: NZE050HV Init. Calib. Date(s): 01/27/2010 01/28/2010

EPA Sample No.(VSTD####): VSTD025NH Init. Calib. Time(s): 2317 0109

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

Purge Volume: 10.0 (mL)

COMPOUND	RRF	RRF25	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.432	0.420	0.010	-2.8	40.0
Bromodichloromethane	0.678	0.649	0.200	-4.3	25.0
cis-1,3-Dichloropropene	0.627	0.609	0.200	-2.9	25.0
4-Methyl-2-pentanone	0.329	0.294	0.010	-10.8	40.0
Toluene	1.134	1.062	0.400	-6.3	25.0
trans-1,3-Dichloropropene	0.512	0.494	0.100	-3.6	25.0
1,1,2-Trichloroethane	0.393	0.359	0.100	-8.6	25.0
Tetrachloroethene	0.374	0.364	0.100	-2.6	25.0
2-Hexanone	0.254	0.264	0.010	4.0	40.0
Dibromochloromethane	0.681	0.651	0.100	-4.5	25.0
1,2-Dibromoethane	0.642	0.590	0.010	-8.0	40.0
Chlorobenzene	0.948	0.934	0.500	-1.5	25.0
Ethylbenzene	1.308	1.323	0.100	1.1	25.0
o-Xylene	0.522	0.525	0.300	0.6	25.0
m,p-Xylene	0.512	0.531	0.300	3.7	25.0
Styrene	0.910	0.917	0.300	0.8	25.0
Bromoform	0.898	0.774	0.050	-13.7	25.0
Isopropylbenzene	1.371	1.456	0.010	6.2	40.0
1,1,2,2-Tetrachloroethane	0.807	0.755	0.300	-6.4	25.0
1,3-Dichlorobenzene	1.420	1.378	0.600	-3.0	25.0
1,4-Dichlorobenzene	1.571	1.571	0.500	0.0	25.0
1,2-Dichlorobenzene	1.388	1.324	0.400	-4.6	25.0
1,2-Dibromo-3-chloropropane	0.254	0.225	0.010	-11.8	40.0
1,2,4-Trichlorobenzene	0.880	0.893	0.200	1.5	25.0
1,2,3-Trichlorobenzene	0.859	0.836	0.200	-2.7	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.: 135376
 Instrument ID: N.i Calibration Date: 01/28/2010 Time: 0910
 Lab File ID: NZE050HV Init. Calib. Date(s): 01/27/2010 01/28/2010
 EPA Sample No.(VSTD#####): VSTD025NH Init. Calib. Time(s): 2317 0109
 Heated Purge: (Y/N)Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
 Purge Volume: 10.0 (mL)

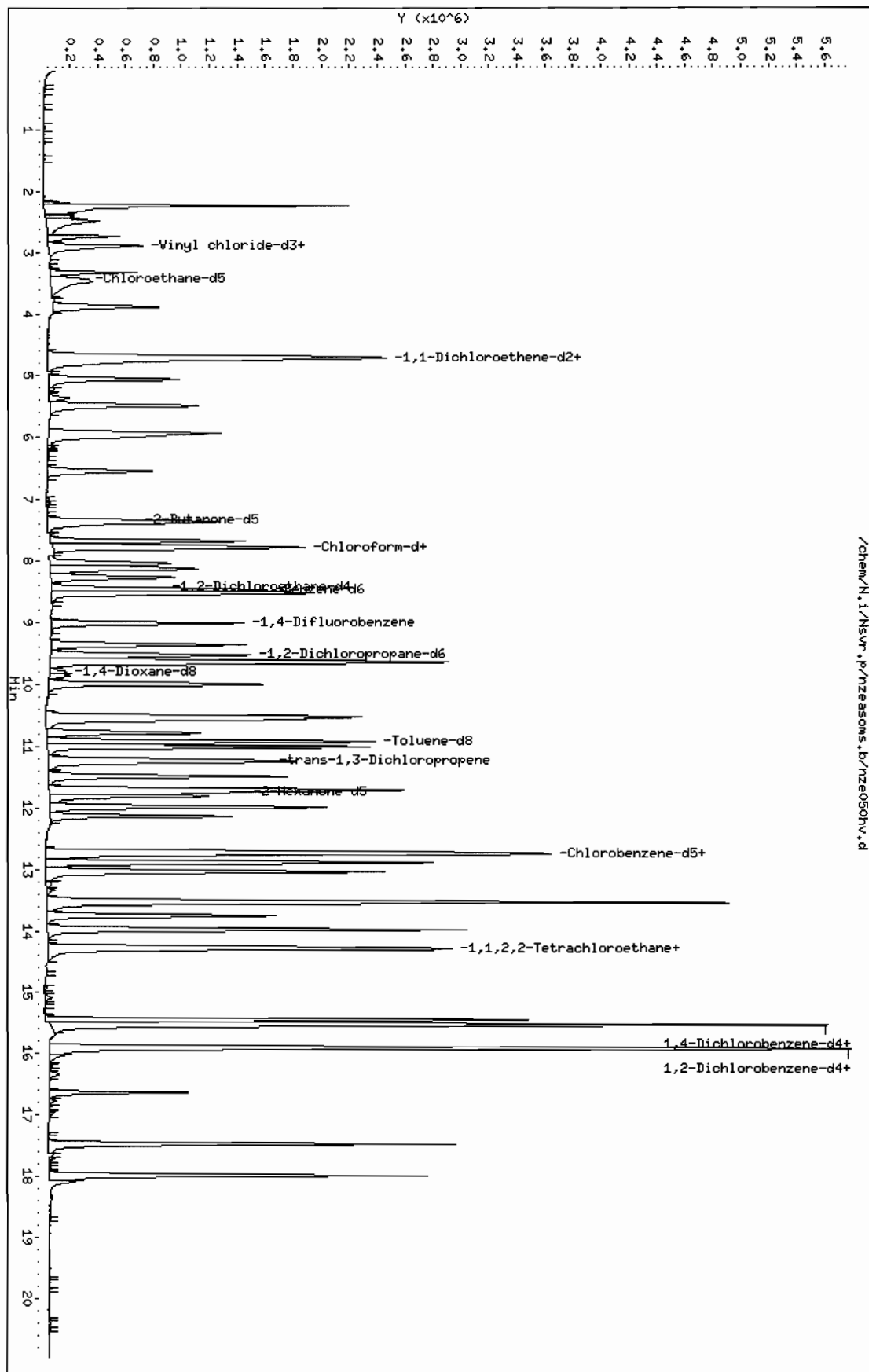
COMPOUND	RRF	RRF25	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.385	0.381	0.010	-1.1	25.0
Chloroethane-d5	0.329	0.343	0.010	4.5	40.0
1,1-Dichloroethene-d2	0.881	0.856	0.010	-2.9	25.0
2-Butanone-d5	0.165	0.185	0.010	12.4	40.0
Chloroform-d	0.789	0.774	0.010	-1.8	25.0
1,2-Dichloroethane-d4	0.244	0.241	0.010	-1.2	25.0
Benzene-d6	0.818	0.762	0.010	-6.9	25.0
1,2-Dichloropropane-d6	0.515	0.539	0.010	4.6	40.0
Toluene-d8	1.056	0.990	0.010	-6.2	25.0
trans-1,3-Dichloropropene-d4	0.492	0.473	0.010	-3.9	25.0
2-Hexanone-d5	0.140	0.143	0.010	2.0	40.0
1,4-Dioxane-d8	0.005	0.004	0.005	-13.3	50.0
1,1,2,2-Tetrachloroethane-d2	0.842	0.779	0.010	-7.4	25.0
1,2-Dichlorobenzene-d4	0.942	0.902	0.010	-4.3	40.0

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

SOM01.2

Data File: /chem/N.i/NSvr.p/nzeasoms.b/nze050hv.d
Date : 28-JAN-2010 09:10
Client ID: VSTD025NH
Sample Info:
Column phase: DB-624

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



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzeasoms.b/nze050hv.d
Lab Smp Id: VSTD025NH Client Smp ID: VSTD025NH
Inj Date : 28-JAN-2010 09:10
Operator : MRV Inst ID: N.i
Smp Info :
Misc Info : VSTD050NH,012810NH,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzeasoms.b/soms4.m
Meth Date : 28-Jan-2010 13:08 jdl Quant Type: ISTD
Cal Date : 28-JAN-2010 01:09 Cal File: nze200v.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)
1 Dichlorodifluoromethane	85	2.482	2.479	(0.275)	654377	25.0000	25
2 Chloromethane	50	2.729	2.726	(0.303)	819539	25.0000	23
\$ 3 Vinyl chloride-d3	65	2.866	2.864	(0.318)	811038	25.0000	25
4 Vinyl chloride	62	2.876	2.873	(0.319)	873766	25.0000	25
5 Bromomethane	94	3.300	3.297	(0.366)	747058	25.0000	25 (M)
\$ 6 Chloroethane-d5	69	3.418	3.425	(0.379)	731056	25.0000	26
7 Chloroethane	64	3.467	3.464	(0.385)	589146	25.0000	26
8 Trichlorofluoromethane	101	3.871	3.868	(0.430)	1459288	25.0000	24
\$ 9 1,1-Dichloroethene-d2	63	4.679	4.685	(0.519)	1821368	25.0000	24
10 1,1-Dichloroethene	96	4.698	4.705	(0.521)	809051	25.0000	24
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.728	4.725	(0.525)	1709375	25.0000	24
12 Acetone	43	4.807	4.813	(0.533)	492378	50.0000	66
13 Carbon disulfide	76	5.053	5.060	(0.561)	2755527	25.0000	25

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
14 Methyl acetate	43	5.368	5.365	(0.596)	466369	25.0000	24
15 Methylene chloride	84	5.486	5.483	(0.609)	1018399	25.0000	24
16 trans-1,2-Dichloroethene	96	5.929	5.926	(0.658)	879451	25.0000	24
17 Methyl tert-butyl ether	73	5.979	5.985	(0.663)	1462344	25.0000	24
18 1,1-Dichloroethane	63	6.540	6.547	(0.726)	1649226	25.0000	24
\$ 19 2-Butanone-d5	46	7.328	7.325	(0.813)	787094	50.0000	56
20 cis-1,2-Dichloroethene	96	7.357	7.364	(0.816)	886656	25.0000	24
21 2-Butanone	43	7.406	7.413	(0.822)	688877	50.0000	55
22 Bromochloromethane	128	7.672	7.669	(0.851)	624454	25.0000	25
\$ 23 Chloroform-d	84	7.761	7.758	(0.861)	1647684	25.0000	25
24 Chloroform	83	7.781	7.778	(0.863)	1513220	25.0000	24
25 1,1,1-Trichloroethane	97	8.037	8.034	(0.632)	1165857	25.0000	23
26 Cyclohexane	56	8.125	8.122	(0.639)	1142645	25.0000	23
27 Carbon tetrachloride	117	8.263	8.260	(0.650)	1116071	25.0000	24
\$ 28 1,2-Dichloroethane-d4	65	8.431	8.428	(0.936)	512909	25.0000	25
\$ 29 Benzene-d6	84	8.470	8.467	(0.666)	2328888	25.0000	23
30 Benzene	78	8.519	8.516	(0.670)	2111745	25.0000	23
31 1,2-Dichloroethane	62	8.529	8.526	(0.946)	606457	25.0000	24
* 32 1,4-Difluorobenzene	114	9.012	9.009	(1.000)	2128394	25.0000	
33 Trichloroethene	95	9.356	9.353	(0.736)	980061	25.0000	25
\$ 34 1,2-Dichloropropane-d6	67	9.524	9.521	(0.749)	1648752	25.0000	26
35 Methylcyclohexane	55	9.632	9.619	(0.758)	1136459	25.0000	22
36 1,2-Dichloropropane	63	9.642	9.629	(0.758)	1282912	25.0000	24
\$ 37 1,4-Dioxane-d8	96	9.800	9.797	(1.087)	176835	500.000	430
38 1,4-Dioxane	88	9.868	9.856	(1.095)	189452	500.000	450
39 Bromodichloromethane	83	9.997	9.984	(0.786)	1984423	25.0000	24
40 cis-1,3-Dichloropropene	75	10.568	10.555	(0.831)	1861319	25.0000	24
41 4-Methyl-2-pentanone	43	10.784	10.772	(0.848)	1796750	50.0000	45
\$ 42 Toluene-d8	98	10.922	10.909	(0.859)	3028067	25.0000	23
43 Toluene	91	11.001	10.998	(0.865)	3248628	25.0000	23
\$ 44 trans-1,3-Dichloropropene-d4	79	11.218	11.205	(0.882)	1445047	25.0000	24
45 trans-1,3-Dichloropropene	75	11.257	11.244	(0.885)	1509750	25.0000	24
46 1,1,2-Trichloroethane	97	11.484	11.481	(0.903)	1098869	25.0000	23
47 Tetrachloroethene	164	11.700	11.697	(0.920)	1113362	25.0000	24
\$ 48 2-Hexanone-d5	63	11.749	11.746	(0.924)	874418	50.0000	51
49 2-Hexanone	43	11.809	11.806	(0.929)	1614370	50.0000	52
50 Dibromochloromethane	129	11.986	11.973	(0.943)	1990269	25.0000	24
51 1,2-Dibromoethane	107	12.134	12.131	(0.954)	1804501	25.0000	23
* 52 Chlorobenzene-d5	117	12.715	12.712	(1.000)	3057797	25.0000	
53 Chlorobenzene	112	12.754	12.741	(1.003)	2854916	25.0000	25
54 Ethylbenzene	91	12.882	12.879	(1.013)	4045806	25.0000	25
55 m,p-Xylene	106	13.030	13.027	(1.025)	1622673	25.0000	26
56 o-Xylene	106	13.522	13.519	(1.063)	1606633	25.0000	25
57 Styrene	104	13.532	13.529	(1.064)	2804739	25.0000	25
58 Bromoform	173	13.749	13.746	(0.887)	1377696	25.0000	22
59 Isopropylbenzene	105	13.965	13.962	(1.098)	4453304	25.0000	27
\$ 60 1,1,2,2-Tetrachloroethane-d2	84	14.261	14.258	(1.122)	2383318	25.0000	23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
61 1,1,2,2-Tetrachloroethane	83	14.290	14.287	(1.124)	2309297	25.0000	23
62 1,3-Dichlorobenzene	146	15.433	15.440	(0.996)	2451036	25.0000	24
* 63 1,4-Dichlorobenzene-d4	152	15.502	15.508	(1.000)	1779315	25.0000	
64 1,4-Dichlorobenzene	146	15.531	15.528	(1.002)	2794843	25.0000	25
\$ 65 1,2-Dichlorobenzene-d4	152	15.896	15.893	(1.025)	1604558	25.0000	24
66 1,2-Dichlorobenzene	146	15.915	15.912	(1.027)	2355534	25.0000	24
67 1,2-Dibromo-3-chloropropane	75	16.624	16.631	(1.072)	399564	25.0000	22
68 1,2,4-Trichlorobenzene	180	17.461	17.468	(1.126)	1589552	25.0000	25
69 1,2,3-Trichlorobenzene	180	17.974	17.980	(1.159)	1487608	25.0000	24

QC Flag Legend

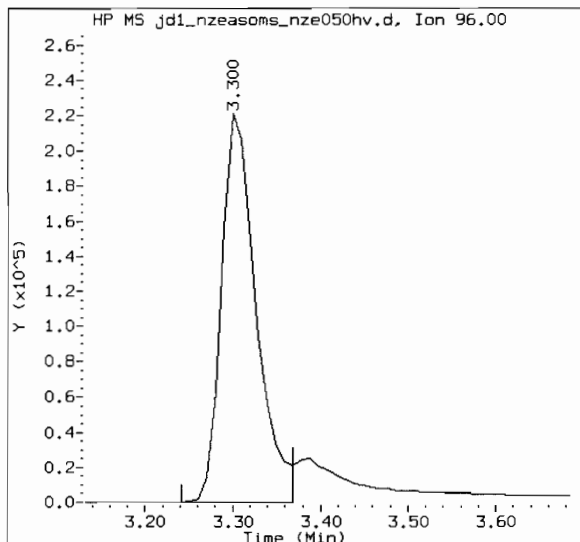
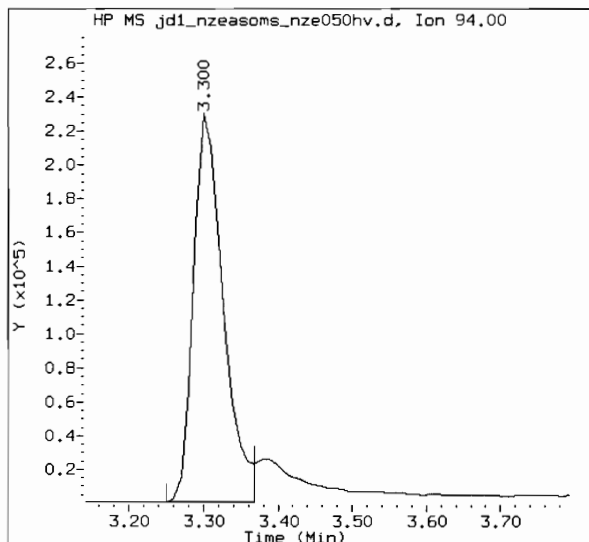
M - Compound response manually integrated.

MANUAL INTEGRATION REPORT

Data File Name: nze050hv.d
Client Sample ID: VSTD025NH
Compound Name: Bromomethane

Inj. Date and Time: 28-JAN-2010 09:10
Instrument ID: N.i
CAS #: 74-83-9

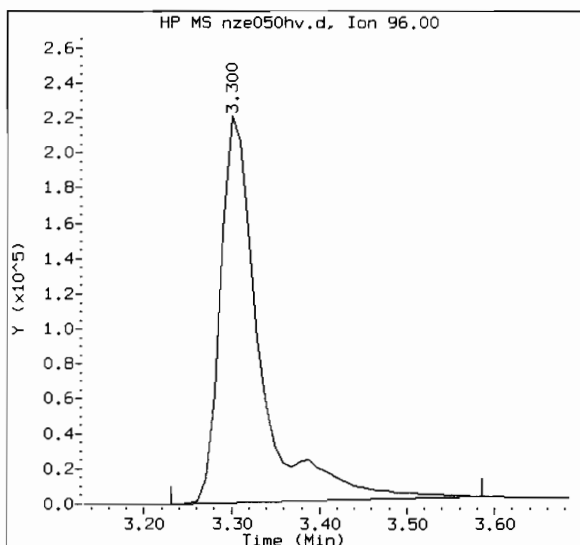
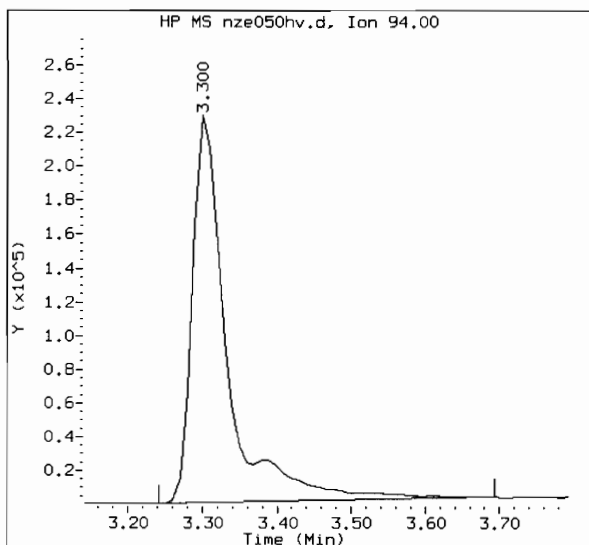
Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/28/2010 13:08



Original Integrations:

Area = 635407

Area = 616124



Final Integrations:

Area = 747058

Area = 697660

Manual Integration Reason: M11 - 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.: 135376
Instrument ID: N.i Calibration Date: 01/28/2010 Time: 1128
Lab File ID: NZE50AC1 Init. Calib. Date(s): 01/27/2010 01/28/2010
EPA Sample No.(VSTD#####): VSTD025HN Init. Calib. Time(s): 2317 0109
Heated Purge: (Y/N)Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
Purge Volume: 10.0 (mL)

COMPOUND	RRF	RRF25	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.311	0.294	0.010	-5.7	50.0
Chloromethane	0.419	0.373	0.010	-10.9	50.0
Vinyl chloride	0.414	0.394	0.010	-5.0	50.0
Bromomethane	0.346	0.341	0.010	-1.5	50.0
Chloroethane	0.266	0.269	0.010	0.9	50.0
Trichlorofluoromethane	0.707	0.690	0.010	-2.4	50.0
1,1-Dichloroethene	0.390	0.392	0.010	0.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.825	0.830	0.010	0.7	50.0
Acetone	0.087	0.110	0.010	25.6	50.0
Carbon disulfide	1.313	1.281	0.010	-2.4	50.0
Methyl acetate	0.232	0.232	0.010	-0.3	50.0
Methylene chloride	0.500	0.464	0.010	-7.2	50.0
trans-1,2-Dichloroethene	0.422	0.431	0.010	2.0	50.0
Methyl tert-butyl ether	0.719	0.737	0.010	2.5	50.0
1,1-Dichloroethane	0.799	0.805	0.010	0.8	50.0
cis-1,2-Dichloroethene	0.428	0.433	0.010	1.2	50.0
2-Butanone	0.148	0.176	0.010	18.6	50.0
Bromochloromethane	0.298	0.296	0.010	-0.9	50.0
Chloroform	0.744	0.756	0.010	1.7	50.0
1,1,1-Trichloroethane	0.407	0.411	0.010	1.1	50.0
Cyclohexane	0.415	0.403	0.010	-2.9	50.0
Carbon tetrachloride	0.388	0.390	0.010	0.5	50.0
Benzene	0.757	0.738	0.010	-2.5	50.0
1,2-Dichloroethane	0.291	0.306	0.010	5.0	50.0
1,4-Dioxane	0.005	0.005	0.005	-7.4	50.0
Trichloroethene	0.318	0.318	0.010	0.2	50.0
Methylcyclohexane	0.416	0.379	0.010	-8.8	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.: 135376
 Instrument ID: N.i Calibration Date: 01/28/2010 Time: 1128
 Lab File ID: NZE50AC1 Init. Calib. Date(s): 01/27/2010 01/28/2010
 EPA Sample No.(VSTD#####): VSTD025HN Init. Calib. Time(s): 2317 0109
 Heated Purge: (Y/N)Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
 Purge Volume: 10.0 (mL)

COMPOUND	RRF	RRF25	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.432	0.421	0.010	-2.5	50.0
Bromodichloromethane	0.678	0.681	0.010	0.4	50.0
cis-1,3-Dichloropropene	0.627	0.645	0.010	2.9	50.0
4-Methyl-2-pentanone	0.329	0.315	0.010	-4.4	50.0
Toluene	1.134	1.084	0.010	-4.4	50.0
trans-1,3-Dichloropropene	0.512	0.529	0.010	3.3	50.0
1,1,2-Trichloroethane	0.393	0.384	0.010	-2.3	50.0
Tetrachloroethene	0.374	0.372	0.010	-0.4	50.0
2-Hexanone	0.254	0.276	0.010	8.6	50.0
Dibromochloromethane	0.681	0.682	0.010	0.1	50.0
1,2-Dibromoethane	0.642	0.630	0.010	-1.9	50.0
Chlorobenzene	0.948	0.933	0.010	-1.6	50.0
Ethylbenzene	1.308	1.326	0.010	1.4	50.0
o-Xylene	0.522	0.514	0.010	-1.6	50.0
m,p-Xylene	0.512	0.529	0.010	3.3	50.0
Styrene	0.910	0.924	0.010	1.6	50.0
Bromoform	0.898	0.846	0.010	-5.8	50.0
Isopropylbenzene	1.371	1.468	0.010	7.1	50.0
1,1,2,2-Tetrachloroethane	0.807	0.778	0.010	-3.6	50.0
1,3-Dichlorobenzene	1.420	1.397	0.010	-1.6	50.0
1,4-Dichlorobenzene	1.571	1.574	0.010	0.2	50.0
1,2-Dichlorobenzene	1.388	1.369	0.010	-1.4	50.0
1,2-Dibromo-3-chloropropane	0.254	0.234	0.010	-8.0	50.0
1,2,4-Trichlorobenzene	0.880	0.913	0.010	3.7	50.0
1,2,3-Trichlorobenzene	0.859	0.868	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.: 135376
 Instrument ID: N.i Calibration Date: 01/28/2010 Time: 1128
 Lab File ID: NZE50AC1 Init. Calib. Date(s): 01/27/2010 01/28/2010
 EPA Sample No.(VSTD#####): VSTD025HN Init. Calib. Time(s): 2317 0109
 Heated Purge: (Y/N)Y GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)
 Purge Volume: 10.0 (mL)

COMPOUND	RRF	RRF25	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.385	0.365	0.010	-5.4	50.0
Chloroethane-d5	0.329	0.337	0.010	2.6	50.0
1,1-Dichloroethene-d2	0.881	0.895	0.010	1.5	50.0
2-Butanone-d5	0.165	0.201	0.010	22.0	50.0
Chloroform-d	0.789	0.811	0.010	2.9	50.0
1,2-Dichloroethane-d4	0.244	0.251	0.010	2.9	50.0
Benzene-d6	0.818	0.815	0.010	-0.4	50.0
1,2-Dichloropropane-d6	0.515	0.441	0.010	-14.5	50.0
Toluene-d8	1.056	1.012	0.010	-4.2	50.0
trans-1,3-Dichloropropene-d4	0.492	0.499	0.010	1.5	50.0
2-Hexanone-d5	0.140	0.151	0.010	8.0	50.0
1,4-Dioxane-d8	0.005	0.004	0.005	-10.7	50.0
1,1,2,2-Tetrachloroethane-d2	0.842	0.809	0.010	-3.9	50.0
1,2-Dichlorobenzene-d4	0.942	0.908	0.010	-3.6	50.0

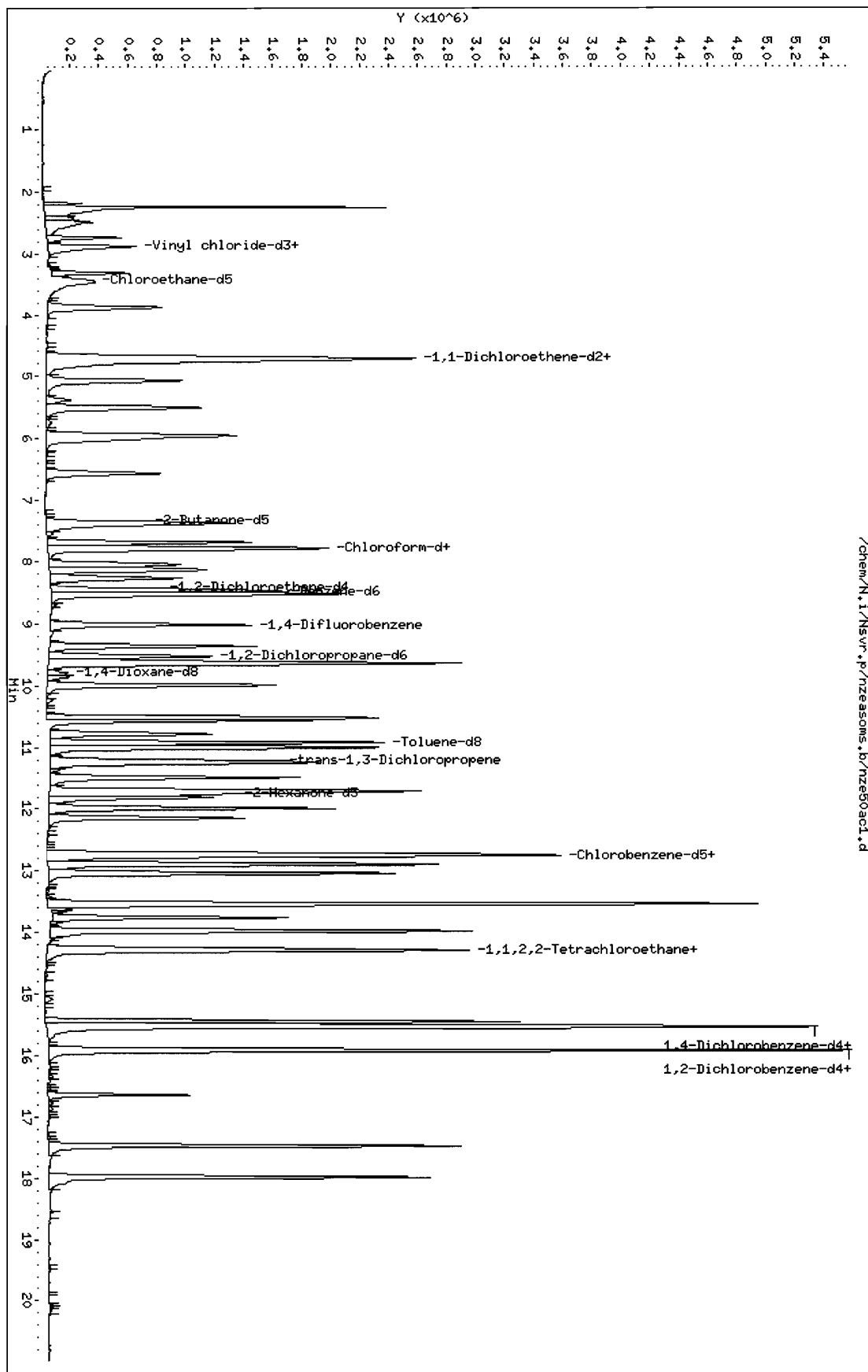
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/N.i/Nsyr.p/nzeasoms.b/nze50ac1.d
Date : 28-JUN-2010 11:28
Client ID: VSTD026HN
Sample Info:
Column phase: DB-624

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

Page 4



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzeasoms.b/nze50ac1.d
Lab Smp Id: VSTD025HN Client Smp ID: VSTD025HN
Inj Date : 28-JAN-2010 11:28
Operator : MRV Inst ID: N.i
Smp Info :
Misc Info : VSTD050HN,012810NH,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzeasoms.b/soms4.m
Meth Date : 28-Jan-2010 13:08 jd1 Quant Type: ISTD
Cal Date : 28-JAN-2010 01:09 Cal File: nze200v.d
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85	2.486	2.479	(0.276)	629997	25.0000	24	
2 Chloromethane	50	2.732	2.726	(0.303)	800142	25.0000	22	
\$ 3 Vinyl chloride-d3	65	2.870	2.864	(0.318)	782509	25.0000	24	
4 Vinyl chloride	62	2.880	2.873	(0.319)	845057	25.0000	24	
5 Bromomethane	94	3.313	3.297	(0.367)	731797	25.0000	25 (M)	
\$ 6 Chloroethane-d5	69	3.431	3.425	(0.381)	723682	25.0000	26	
7 Chloroethane	64	3.470	3.464	(0.385)	576768	25.0000	25	
8 Trichlorofluoromethane	101	3.874	3.868	(0.430)	1480242	25.0000	24	
\$ 9 1,1-Dichloroethene-d2	63	4.692	4.685	(0.520)	1920168	25.0000	25	
10 1,1-Dichloroethene	96	4.711	4.705	(0.523)	841702	25.0000	25	
11 1,1,2-Trichloro-1,2,2-trifluo	101	4.741	4.725	(0.526)	1781540	25.0000	25	
12 Acetone	43	4.830	4.813	(0.536)	471793	50.0000	63	
13 Carbon disulfide	76	5.066	5.060	(0.562)	2749577	25.0000	24	

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
14 Methyl acetate	43		5.381	5.365	(0.597)		496872	25.0000	25
15 Methylene chloride	84		5.499	5.483	(0.610)		995409	25.0000	23
16 trans-1,2-Dichloroethene	96		5.942	5.926	(0.659)		924176	25.0000	26
17 Methyl tert-butyl ether	73		6.001	5.985	(0.666)		1582667	25.0000	26
18 1,1-Dichloroethane	63		6.553	6.547	(0.727)		1727724	25.0000	25
\$ 19 2-Butanone-d5	46		7.341	7.325	(0.814)		861570	50.0000	61
20 cis-1,2-Dichloroethene	96		7.370	7.364	(0.818)		929434	25.0000	25
21 2-Butanone	43		7.420	7.413	(0.823)		755175	50.0000	59
22 Bromochloromethane	128		7.686	7.669	(0.853)		634240	25.0000	25
\$ 23 Chloroform-d	84		7.774	7.758	(0.862)		1741426	25.0000	26
24 Chloroform	83		7.794	7.778	(0.865)		1622785	25.0000	25
25 1,1,1-Trichloroethane	97		8.050	8.034	(0.633)		1218658	25.0000	25
26 Cyclohexane	56		8.139	8.122	(0.640)		1193086	25.0000	24
27 Carbon tetrachloride	117		8.276	8.260	(0.651)		1154367	25.0000	25
\$ 28 1,2-Dichloroethane-d4	65		8.434	8.428	(0.936)		538851	25.0000	26
\$ 29 Benzene-d6	84		8.473	8.467	(0.666)		2414878	25.0000	25
30 Benzene	78		8.523	8.516	(0.670)		2187308	25.0000	24
31 1,2-Dichloroethane	62		8.532	8.526	(0.946)		656160	25.0000	26
* 32 1,4-Difluorobenzene	114		9.015	9.009	(1.000)		2145994	25.0000	
33 Trichloroethene	95		9.360	9.353	(0.736)		942743	25.0000	25
\$ 34 1,2-Dichloropropane-d6	67		9.517	9.521	(0.748)		1306010	25.0000	21
35 Methylcyclohexane	55		9.626	9.619	(0.757)		1122515	25.0000	23
36 1,2-Dichloropropane	63		9.635	9.629	(0.758)		1247576	25.0000	24
\$ 37 1,4-Dioxane-d8	96		9.793	9.797	(1.086)		183546	500.000	450
38 1,4-Dioxane	88		9.862	9.856	(1.094)		194352	500.000	460
39 Bromodichloromethane	83		9.990	9.984	(0.786)		2016492	25.0000	25
40 cis-1,3-Dichloropropene	75		10.561	10.555	(0.830)		1912381	25.0000	26
41 4-Methyl-2-pentanone	43		10.778	10.772	(0.847)		1865940	50.0000	48
\$ 42 Toluene-d8	98		10.916	10.909	(0.858)		2998806	25.0000	24
43 Toluene	91		10.994	10.998	(0.864)		3212921	25.0000	24
\$ 44 trans-1,3-Dichloropropene-d4	79		11.211	11.205	(0.882)		1477868	25.0000	25
45 trans-1,3-Dichloropropene	75		11.251	11.244	(0.885)		1568077	25.0000	26
46 1,1,2-Trichloroethane	97		11.487	11.481	(0.903)		1138167	25.0000	24
47 Tetrachloroethene	164		11.704	11.697	(0.920)		1102900	25.0000	25
\$ 48 2-Hexanone-d5	63		11.753	11.746	(0.924)		896493	50.0000	54
49 2-Hexanone	43		11.812	11.806	(0.929)		1633803	50.0000	54
50 Dibromochloromethane	129		11.979	11.973	(0.942)		2020264	25.0000	25
51 1,2-Dibromoethane	107		12.137	12.131	(0.954)		1865825	25.0000	25
* 52 Chlorobenzene-d5	117		12.718	12.712	(1.000)		2962912	25.0000	
53 Chlorobenzene	112		12.757	12.741	(1.003)		2763795	25.0000	25
54 Ethylbenzene	91		12.885	12.879	(1.013)		3929768	25.0000	25
55 m,p-Xylene	106		13.033	13.027	(1.025)		1566425	25.0000	26
56 o-Xylene	106		13.525	13.519	(1.063)		1522647	25.0000	25
57 Styrene	104		13.535	13.529	(1.064)		2738639	25.0000	25
58 Bromoform	173		13.752	13.746	(0.887)		1404789	25.0000	24
59 Isopropylbenzene	105		13.969	13.962	(1.098)		4350727	25.0000	27
\$ 60 1,1,2,2-Tetrachloroethane-d2	84		14.264	14.258	(1.122)		2395964	25.0000	24

						AMOUNTS	
QUANT SIG						CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
61 1,1,2,2-Tetrachloroethane	83	14.294	14.287	(1.124)	2304795	25.0000	24
62 1,3-Dichlorobenzene	146	15.436	15.440	(0.996)	2320668	25.0000	25
* 63 1,4-Dichlorobenzene-d4	152	15.505	15.508	(1.000)	1660798	25.0000	
64 1,4-Dichlorobenzene	146	15.534	15.528	(1.002)	2614366	25.0000	25
\$ 65 1,2-Dichlorobenzene-d4	152	15.889	15.893	(1.025)	1508010	25.0000	24
66 1,2-Dichlorobenzene	146	15.909	15.912	(1.026)	2273876	25.0000	25
67 1,2-Dibromo-3-chloropropane	75	16.637	16.631	(1.073)	388760	25.0000	23
68 1,2,4-Trichlorobenzene	180	17.465	17.468	(1.126)	1515563	25.0000	26
69 1,2,3-Trichlorobenzene	180	17.977	17.980	(1.159)	1441207	25.0000	25

QC Flag Legend

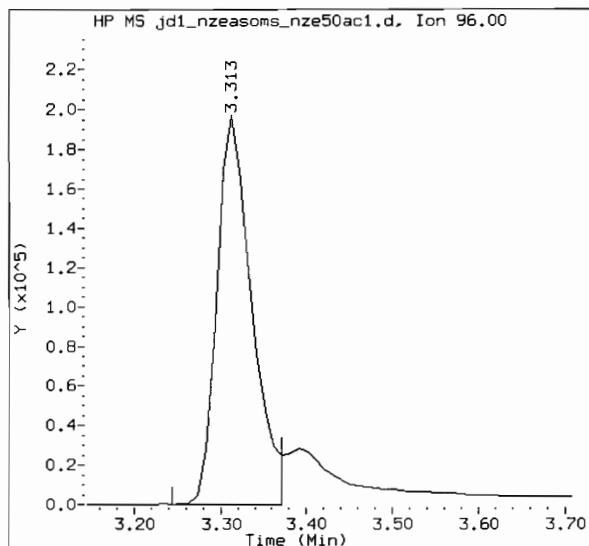
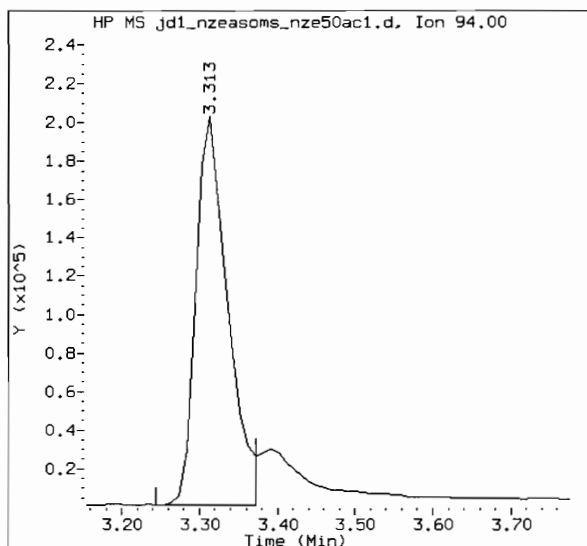
M - Compound response manually integrated.

MANUAL INTEGRATION REPORT

Data File Name: nze50ac1.d
Client Sample ID: VSTD025HN
Compound Name: Bromomethane

Inj. Date and Time: 28-JAN-2010 11:28
Instrument ID: N.i
CAS #: 74-83-9

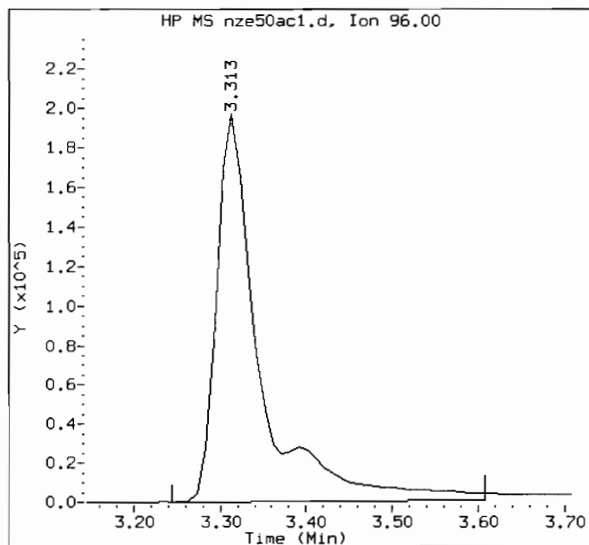
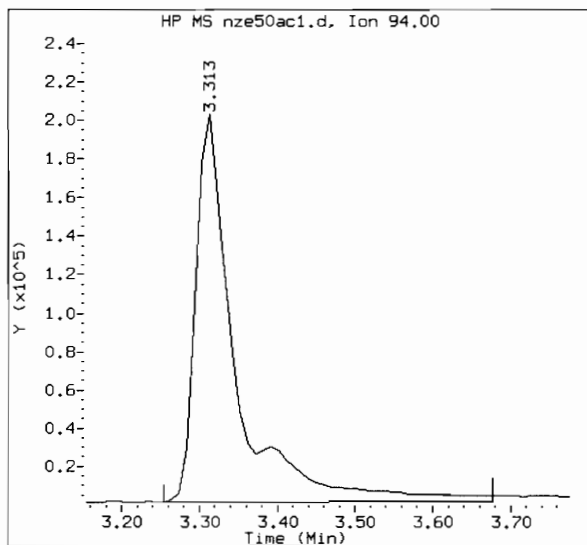
Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/28/2010 13:08



Original Integrations:

Area = 575342

Area = 562303



Final Integrations:

Area = 731797

Area = 704687

Manual Integration Reason: M11 - Poor automated baseline



Raw QC Data – SOM01.2 Volatiles

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

Page 2

Date : 13-JAN-2010 16:06

Client ID: BFBNO

Instrument: N.i

Sample Info: 50ng BFB

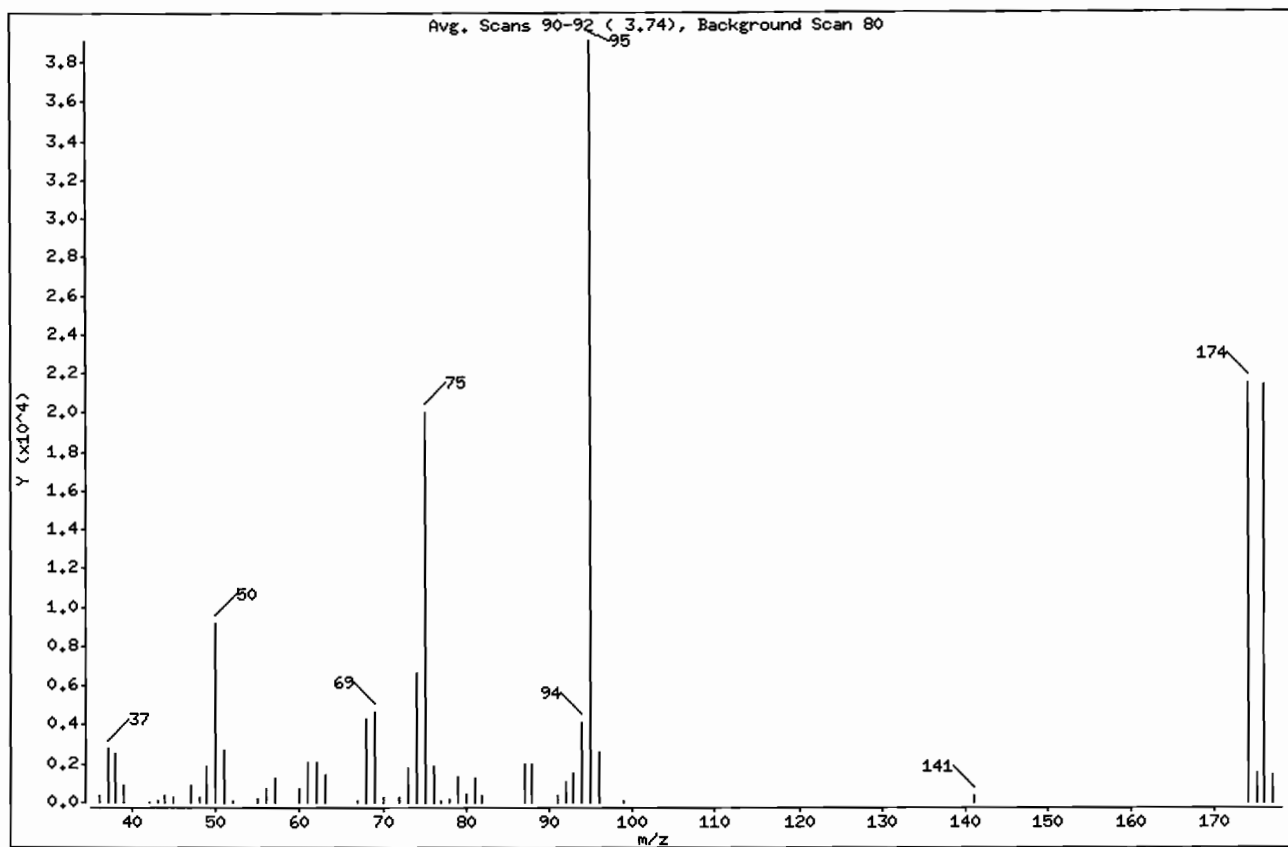
Volume Injected (uL): 2.0

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

Page 3

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

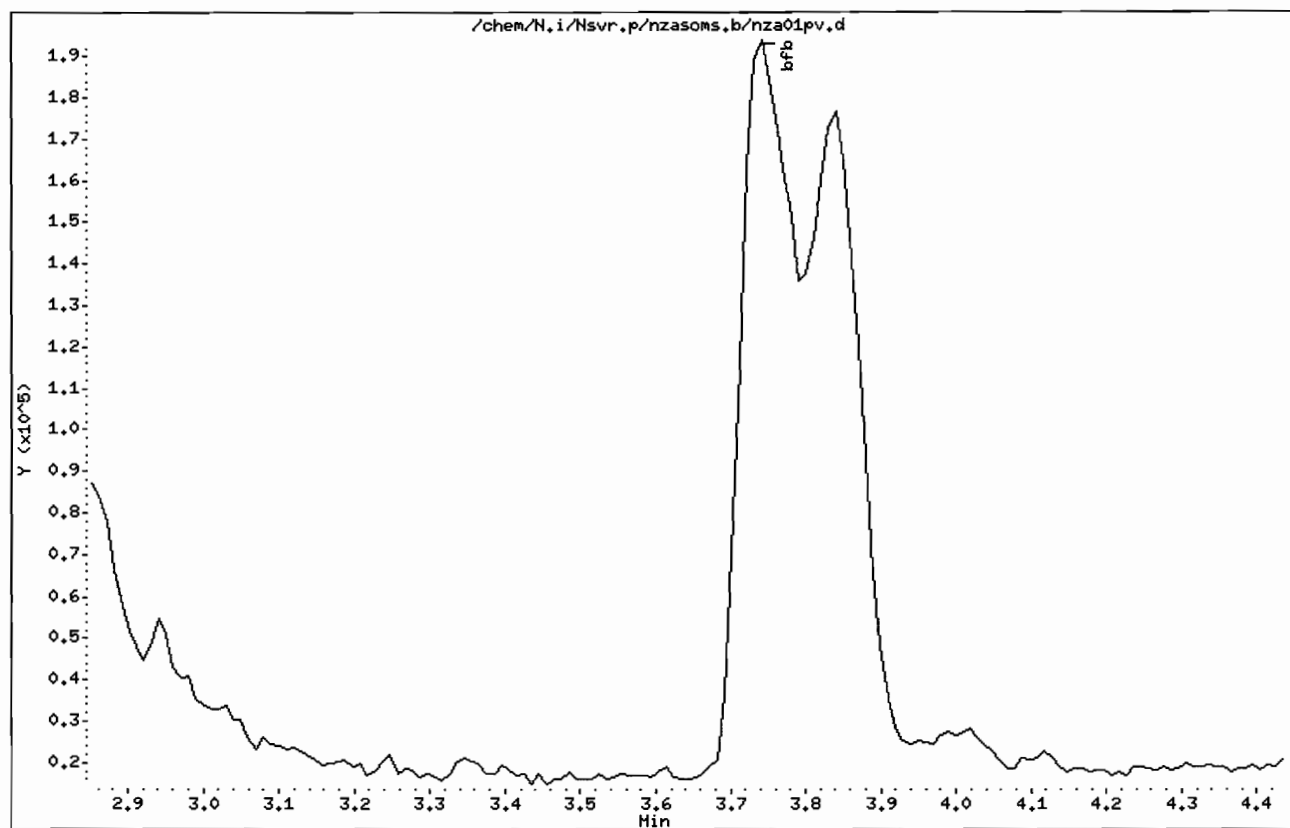
Sample Info: 50ng BFB

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/N.i/Nsvr.p/nzabsons.b/nza05pv.d

Page 2

Date : 15-JAN-2010 08:18

Client ID: BFBNQ

Instrument: N.i

Sample Info: 50ng BFB

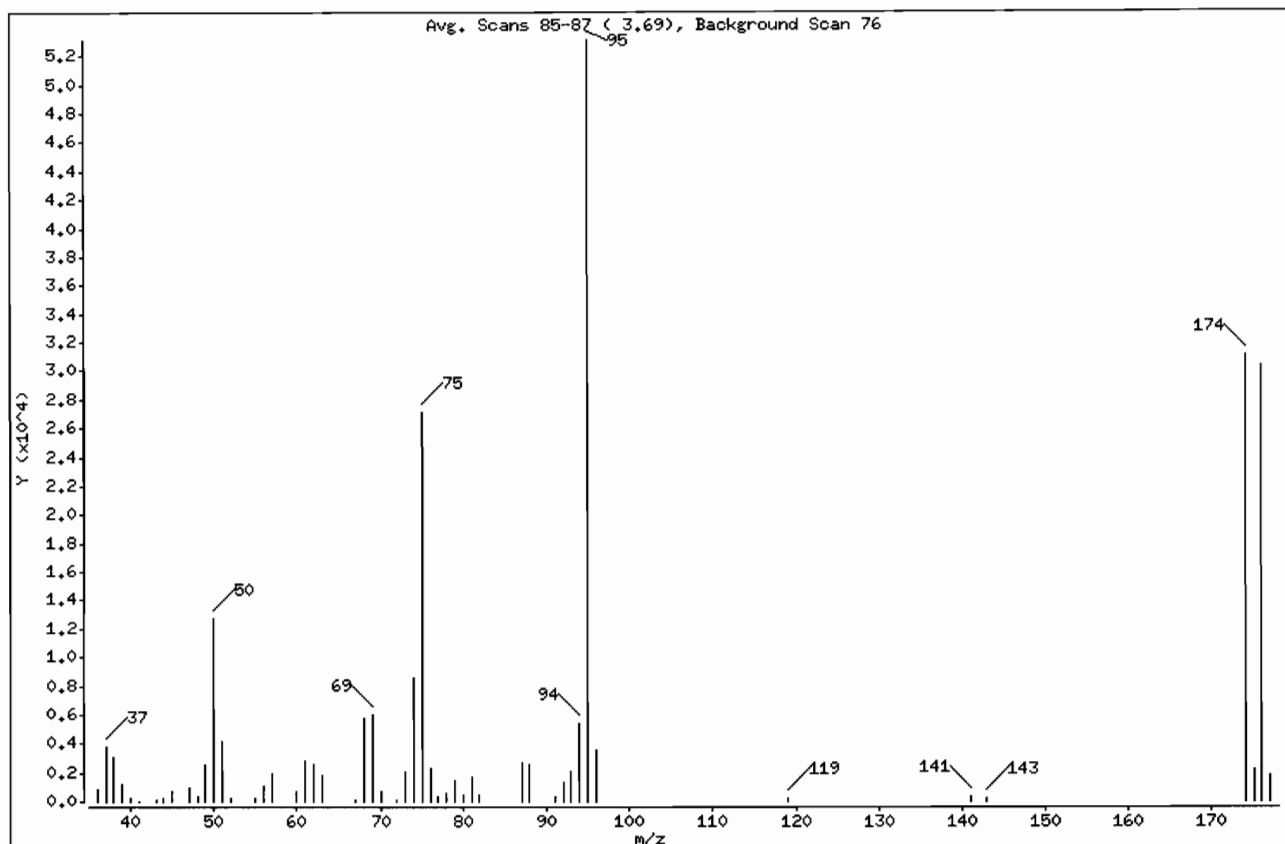
Volume Injected (uL): 2.0

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	23.83
75		30.00 - 80.00% of mass 95	51.14
96		5.00 - 9.00% of mass 95	6.67
173		Less than 2.00% of mass 174	0.00 (0.00)
174		50.00 - 120.00% of mass 95	58.34
175		5.00 - 9.00% of mass 174	4.21 (7.22)
176		95.00 - 101.00% of mass 174	57.10 (97.87)
177		5.00 - 9.00% of mass 176	3.51 (6.14)

Data File: /chem/N.i/Nsvr,p/nzabsoms,b/nza05pv.d

Page 3

Date : 15-JAN-2010 08:18

Client ID: BFBNQ

Instrument: N.i

Sample Info: 50ng BFB

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Data File: nza05pv.d

Spectrum: Avg. Scans 85-87 (3.69), Background Scan 76

Location of Maximum: 95.00

Number of points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	818	52.00	232	74.00	8520	94.00	5327
37.00	3757	55.00	299	75.00	27176	95.00	53144
38.00	3101	56.00	1091	76.00	2334	96.00	3547
39.00	1256	57.00	1896	77.00	371	119.00	207
40.00	185	60.00	698	78.00	632	141.00	401
41.00	8	61.00	2781	79.00	1523	143.00	225
43.00	73	62.00	2567	80.00	482	174.00	31000
44.00	274	63.00	1840	81.00	1726	175.00	2240
45.00	732	67.00	101	82.00	476	176.00	30344
47.00	1030	68.00	5794	87.00	2632	177.00	1864
48.00	378	69.00	5937	88.00	2514		
49.00	2526	70.00	719	91.00	375		
50.00	12667	72.00	144	92.00	1295		
51.00	4103	73.00	2104	93.00	2069		

Data File: /chem/N.i/Nsvr.p/nzabsoms.b/nza05pv.d

Page 1

Date : 15-JAN-2010 08:18

Client ID: BFBNQ

Instrument: N.i

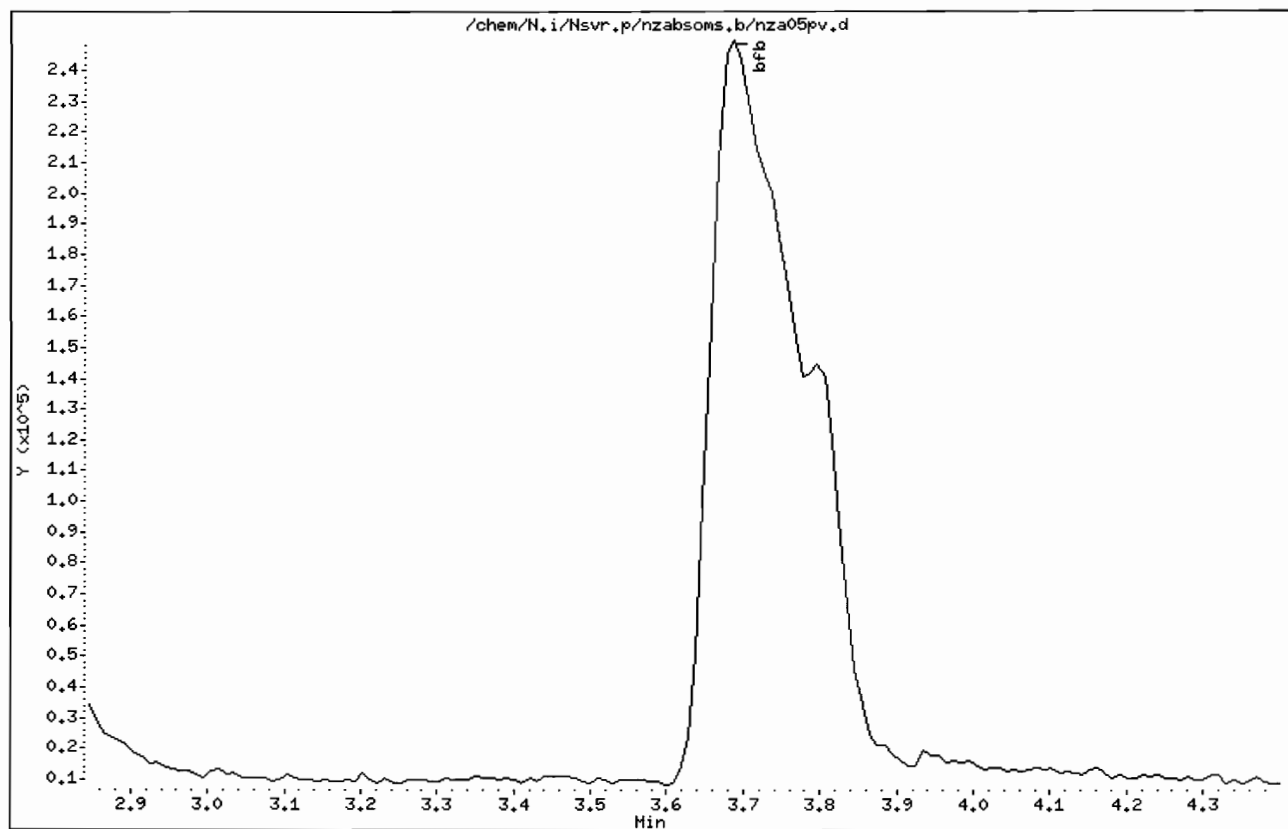
Sample Info: 50ng BFB

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/N.i/Nsvr.p/nzesoms.b/nze01pv.d

Page 2

Date : 27-JAN-2010 21:47

Client ID: BFBNG

Instrument: N.i

Sample Info: 50ng BFB

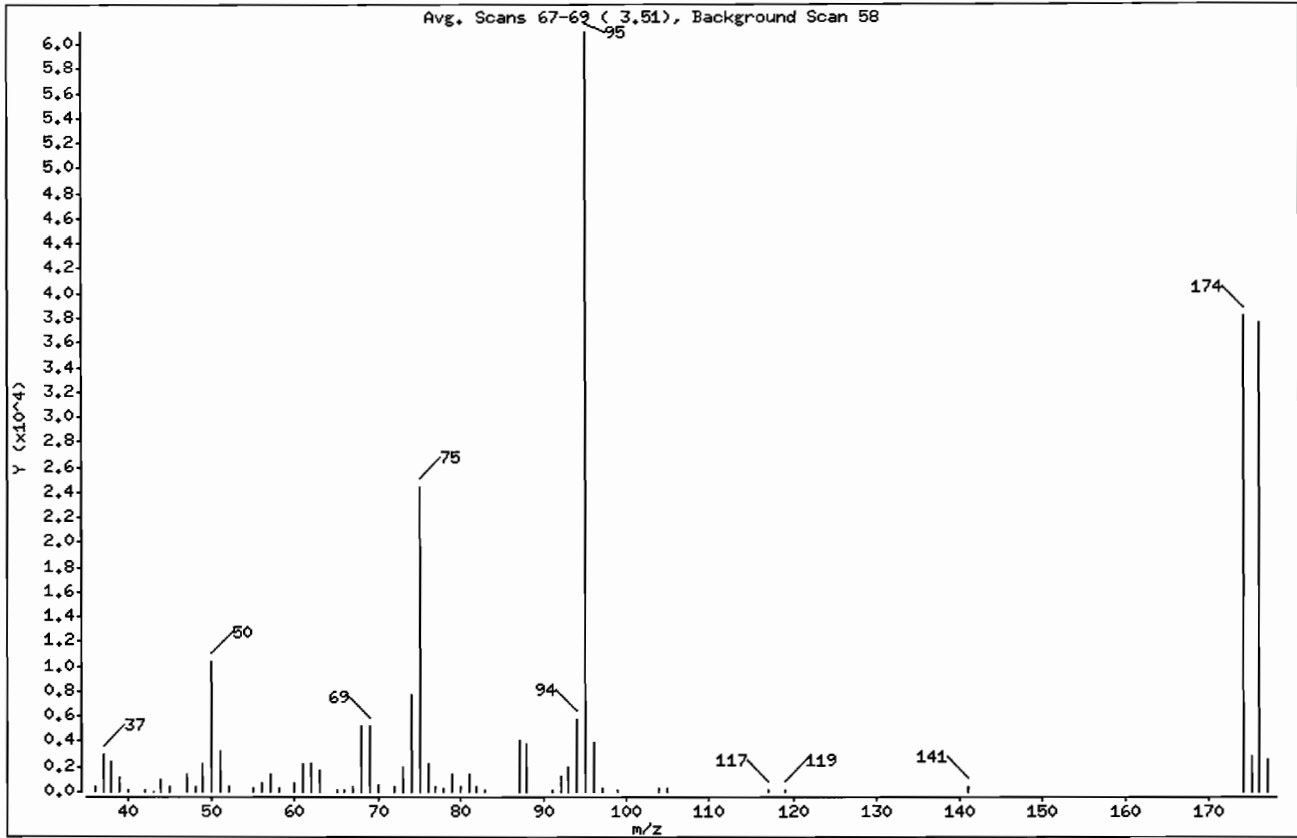
Volume Injected (uL): 2.0

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	17.07
75	30.00 - 80.00% of mass 95	40.08
96	5.00 - 9.00% of mass 95	6.40
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	62.51
175	5.00 - 9.00% of mass 174	4.60 (7.35)
176	95.00 - 101.00% of mass 174	61.69 (98.68)
177	5.00 - 9.00% of mass 176	4.18 (6.77)

Data File: /chem/N.i/Nsvr.p/nzesoms.b/nze01pv.d

Page 3

Date : 27-JAN-2010 21:47

Client ID: BFBNG

Instrument: N.i

Sample Info: 50ng BFB

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Data File: nze01pv.d

Spectrum: Avg. Scans 67-69 (3.51), Background Scan 58

Location of Maximum: 95.00

Number of points: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	467	56.00	716	75.00	24448	96.00	3903
37.00	3014	57.00	1436	76.00	2222	97.00	247
38.00	2419	58.00	213	77.00	473	99.00	103
39.00	1170	60.00	655	78.00	343	104.00	328
40.00	151	61.00	2271	79.00	1341	105.00	325
42.00	163	62.00	2298	80.00	404	117.00	117
43.00	59	63.00	1686	81.00	1342	119.00	107
44.00	1016	65.00	110	82.00	433	141.00	367
45.00	358	66.00	100	83.00	135	174.00	38128
47.00	1467	67.00	406	87.00	4105	175.00	2803
48.00	399	68.00	5229	88.00	3819	176.00	37624
49.00	2227	69.00	5253	91.00	90	177.00	2548
50.00	10413	70.00	629	92.00	1225		
51.00	3169	72.00	392	93.00	1906		
52.00	351	73.00	1997	94.00	5758		
55.00	309	74.00	7695	95.00	60992		

Data File: /chem/N.i/Nsvr.p/nzesoms.b/nze01pv.d

Page 1

Date : 27-JAN-2010 21:47

Client ID: BFBNG

Instrument: N.i

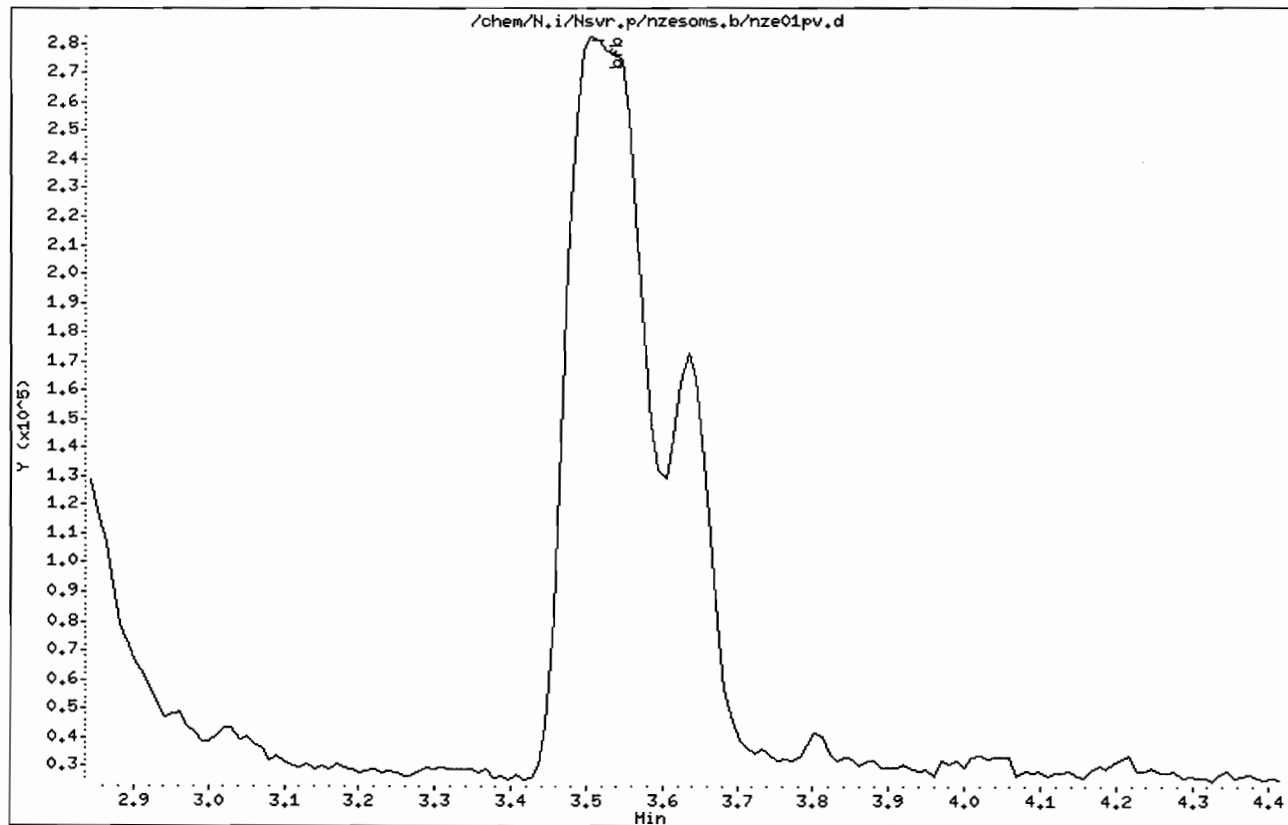
Sample Info: 50ng BFB

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/N.i/Nsvr.p/nzeasoms.b/nze02pv.d

Page 2

Date : 28-JAN-2010 08:05

Client ID: BFBNH

Instrument: N.i

Sample Info: 50ng BFB

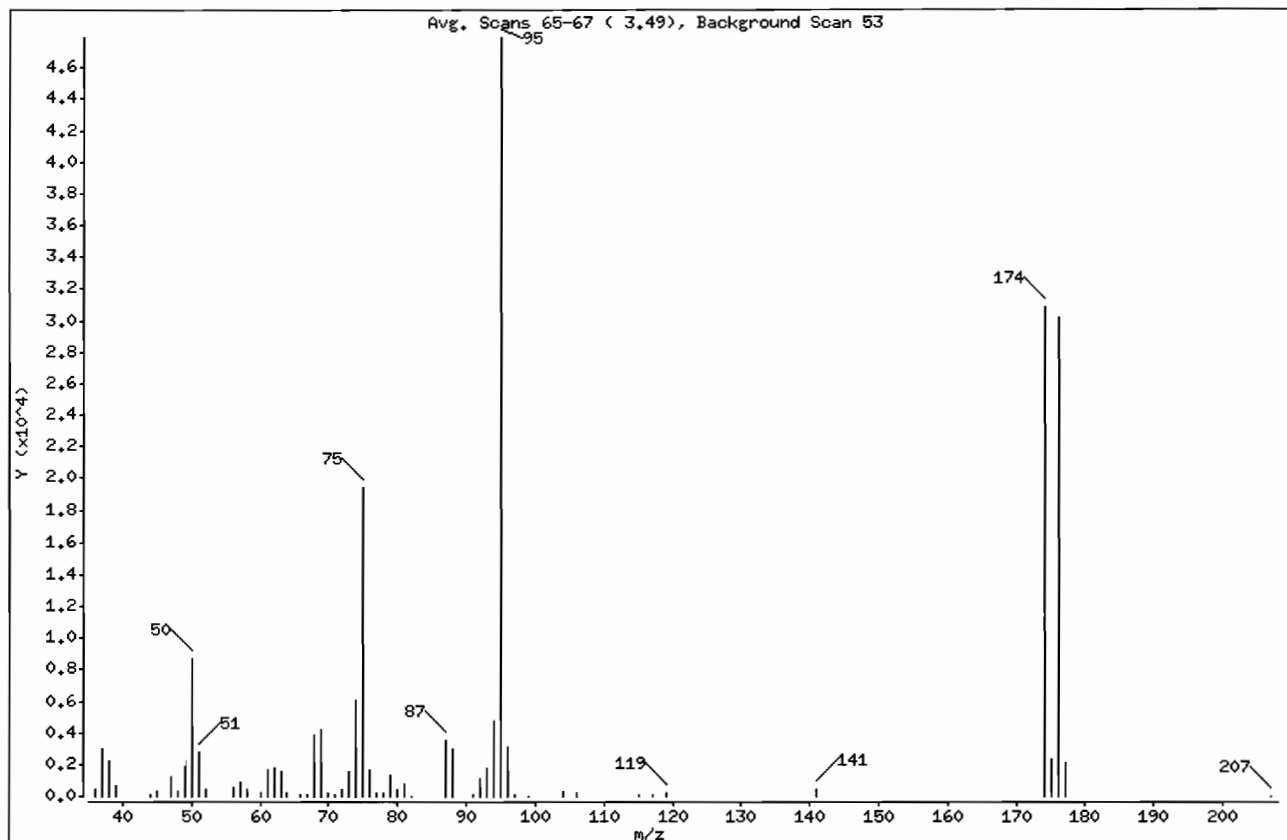
Volume Injected (uL): 2.0

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	18.12
75	30.00 - 80.00% of mass 95	40.44
96	5.00 - 9.00% of mass 95	6.50
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	64.48
175	5.00 - 9.00% of mass 174	4.88 (7.56)
176	95.00 - 101.00% of mass 174	63.09 (97.83)
177	5.00 - 9.00% of mass 176	4.28 (6.78)

Data File: /chem/N.i/Nsvr.p/nzeasoms.b/nze02pv.d

Page 3

Date : 28-JAN-2010 08:05

Client ID: BFBNH

Instrument: N.i

Sample Info: 50ng BFB

Volume Injected (uL): 2.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Data File: nze02pv.d

Spectrum: Avg. Scans 65-67 (3.49), Background Scan 53

Location of Maximum: 95.00

Number of points: 58

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	451	60.00	275	76.00	1665	97.00	60
37.00	2947	61.00	1635	77.00	242	99.00	41
38.00	2191	62.00	1750	78.00	187	104.00	374
39.00	670	63.00	1495	79.00	1309	106.00	204
44.00	119	64.00	267	80.00	427	115.00	123
45.00	276	66.00	101	81.00	809	117.00	109
47.00	1264	67.00	85	82.00	55	119.00	237
48.00	383	68.00	3873	87.00	3491	141.00	407
49.00	1895	69.00	4174	88.00	2996	174.00	30888
50.00	8679	70.00	260	91.00	134	175.00	2336
51.00	2699	71.00	72	92.00	1154	176.00	30216
52.00	467	72.00	417	93.00	1797	177.00	2050
56.00	593	73.00	1528	94.00	4740	207.00	12
57.00	889	74.00	6021	95.00	47904		
58.00	394	75.00	19368	96.00	3114		

Data File: /chem/N.i/Nsvr.p/nzeasoms.b/nze02pv.d

Page 1

Date : 28-JAN-2010 08:05

Client ID: BFBNH

Instrument: N.i

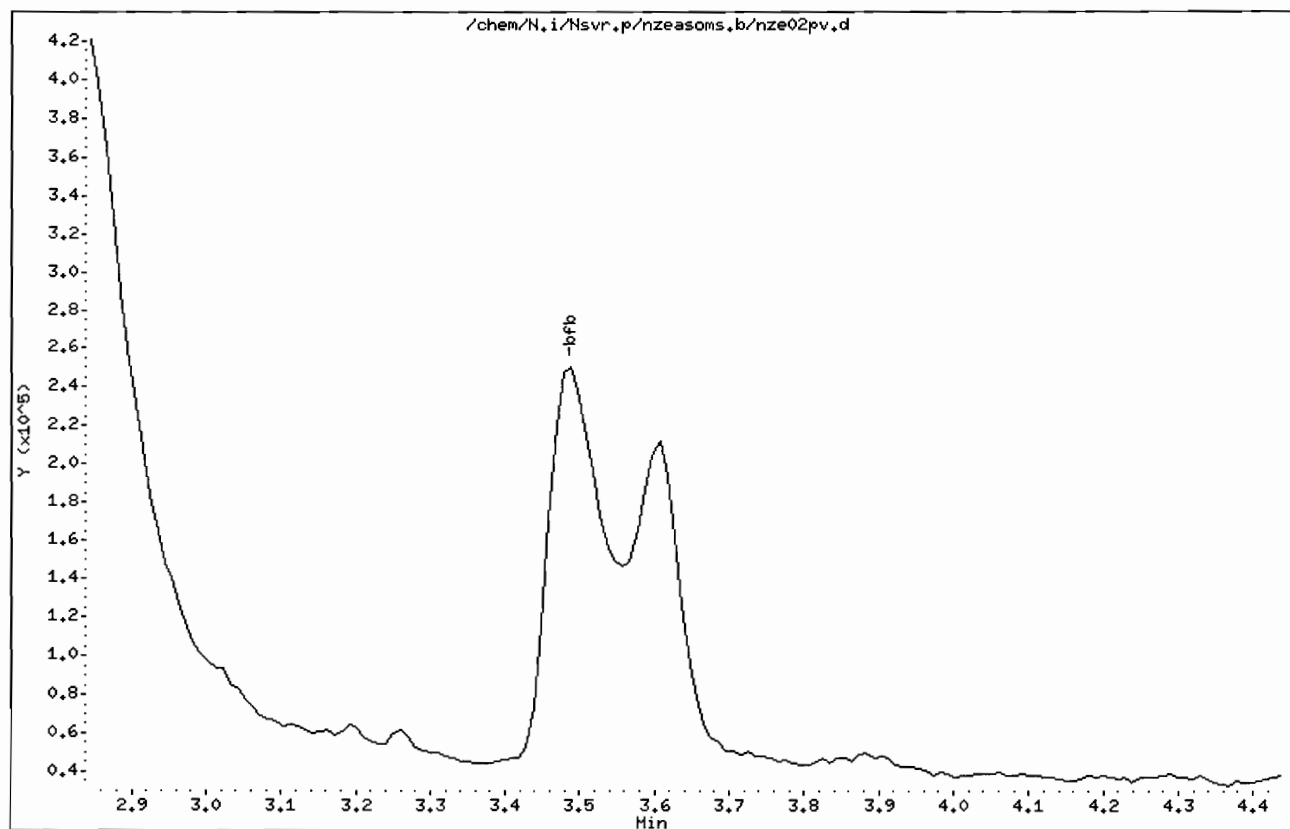
Sample Info: 50ng BFB

Volume Injected (uL): 2.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53



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

EPA SAMPLE NO.

VBLKNQ

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Soil

Lab Sample ID: VBLKNQ

Sample wt/vol: 5.00 (g/mL) g

Lab File ID: NZAB03B

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 01/15/2010

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.

VBKKNQ

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Soil

Lab Sample ID: VBKKNQ

Sample wt/vol: 5.00 (g/mL) g

Lab File ID: NZAB03B

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 01/15/2010

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.

VBKKNQ

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Soil

Lab Sample ID: VBKKNQ

Sample wt/vol: 5.00 (g/mL) g

Lab File ID: NZAB03B

Level: (TRACE or LOW/MED) LOW

Date Received:

% Moisture: not dec. 0.0

Date Analyzed: 01/15/2010

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	=====	=====	=====	=====	=====
02		Unknown	10.80	76	JX
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		

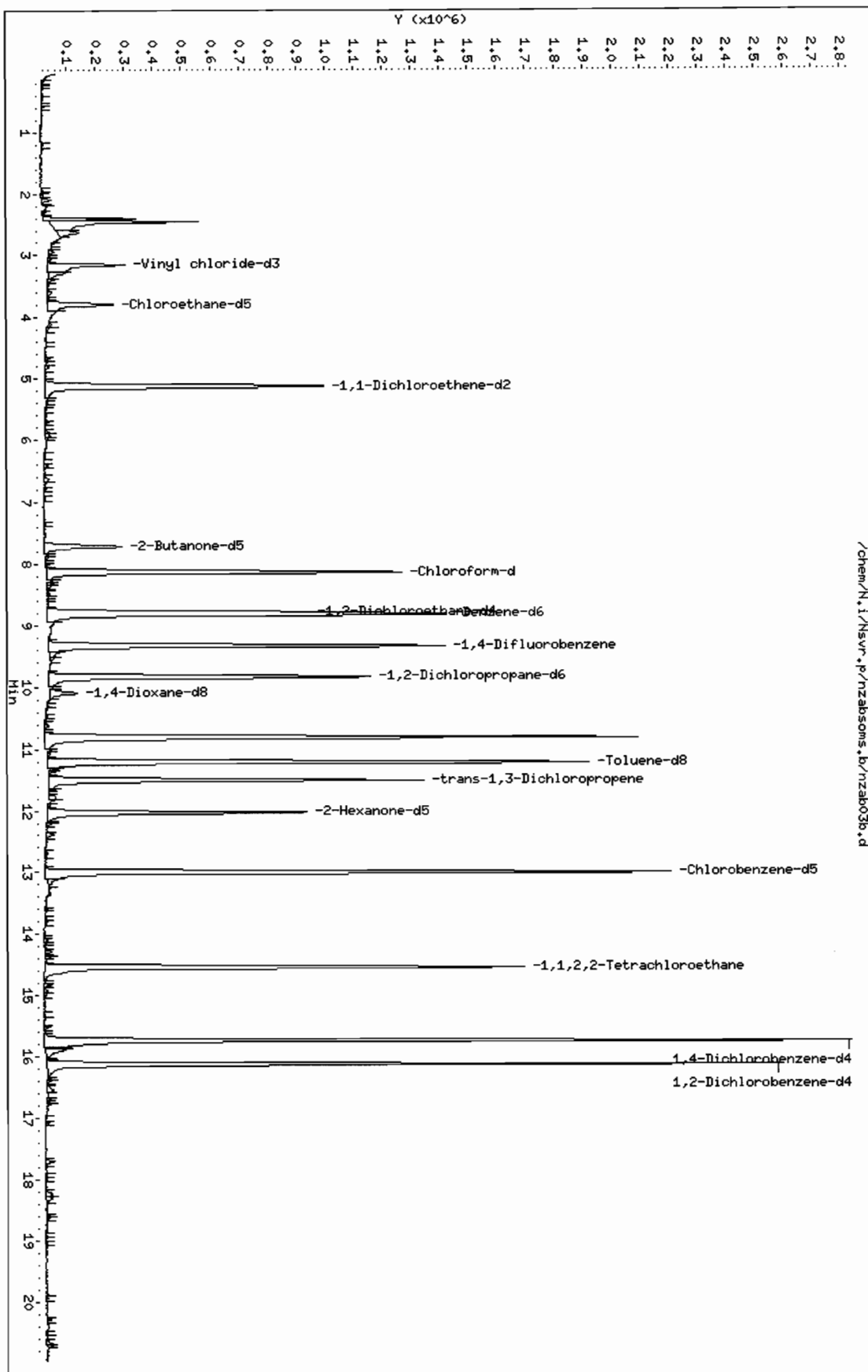
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/N.i/Nsvr.p/nzabsoms.b/nzab03b.d
Date: 15-JAN-2010 10:23
Client ID: VBLKNQ
Sample Info:
Column phase: DB-624

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

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT
Data file : /chem/N.i/Nsvr.p/nzabsoms.b/nzab03b.d
Lab Smp Id: VBLKNQ Client Smp ID: VBLKNQ
Inj Date : 15-JAN-2010 10:23
Operator : JPI Inst ID: N.i
Smp Info :
Misc Info : VBLKNQ,011510NQ,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzabsoms.b/soms4.m
Meth Date : 28-Jan-2010 10:36 jdl 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: $\text{Amt} * \text{DF} * \text{Uf} * \text{X} / (\text{Ws} * (100 - \text{M}) / 100) * \text{CpndVariable}$

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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/kg)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	3.153	3.145	(0.338)	747727	21.7164	43
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.783	3.766	(0.406)	641485	22.8101	46
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	5.113	5.116	(0.548)	1589177	18.0412	36
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						

Compounds	QUANT SIG	CONCENTRATIONS					
		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	7.704	7.707	(0.826)	699468	44.5223	89
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	8.128	8.130	(0.871)	1741490	23.3097	47 (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	8.778	8.790	(0.941)	767498	24.0692	48
\$ 29 Benzene-d6	84	8.818	8.830	(0.679)	1999644	24.6907	49
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	9.330	9.352	(1.000)	1884569	25.0000	
33 Trichloroethene	95				Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67	9.832	9.864	(0.757)	1006053	21.8149	44
35 Methylcyclohexane	55				Compound Not Detected.		
36 1,2-Dichloropropane	63				Compound Not Detected.		
\$ 37 1,4-Dioxane-d8	96	10.098	10.120	(1.082)	114929	408.128	820
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	11.202	11.234	(0.862)	2284715	24.4807	49
43 Toluene	91				Compound Not Detected.		
\$ 44 trans-1,3-Dichloropropene-d4	79	11.497	11.519	(0.885)	1360564	25.2220	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	12.019	12.041	(0.925)	660537	48.2479	96
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	12.995	13.017	(1.000)	2050675	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	14.531	14.534	(1.118)	1800559	24.6695	49
61 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/kg)
=====	====	==	=====	=====	=====	=====	=====
62 1,3-Dichlorobenzene	146				Compound Not Detected.		
* 63 1,4-Dichlorobenzene-d4	152	15.733	15.746	(1.000)	1136524	25.0000	
64 1,4-Dichlorobenzene	146				Compound Not Detected.		
\$ 65 1,2-Dichlorobenzene-d4	152	16.118	16.120	(1.024)	1028769	24.3491	49
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.

Data File: /chem/N.i/Nsvr.p/nzabsoms.b/nzab03b.d
Report Date: 28-Jan-2010 10:36

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzabsoms.b/nzab03b.d
Lab Smp Id: VBLKNQ Client Smp ID: VBLKNQ
Inj Date : 15-JAN-2010 10:23
Operator : JPl Inst ID: N.i
Smp Info :
Misc Info : VBLKNQ,011510NQ,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzabsoms.b/soms4.m
Meth Date : 28-Jan-2010 10:36 jdl 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	9.330	4716383	25.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
10.798	7130169	37.7946869	76	0		0	32

Date : 15-JAN-2010 10:23

Client ID: VBLKNQ

Instrument: N.i

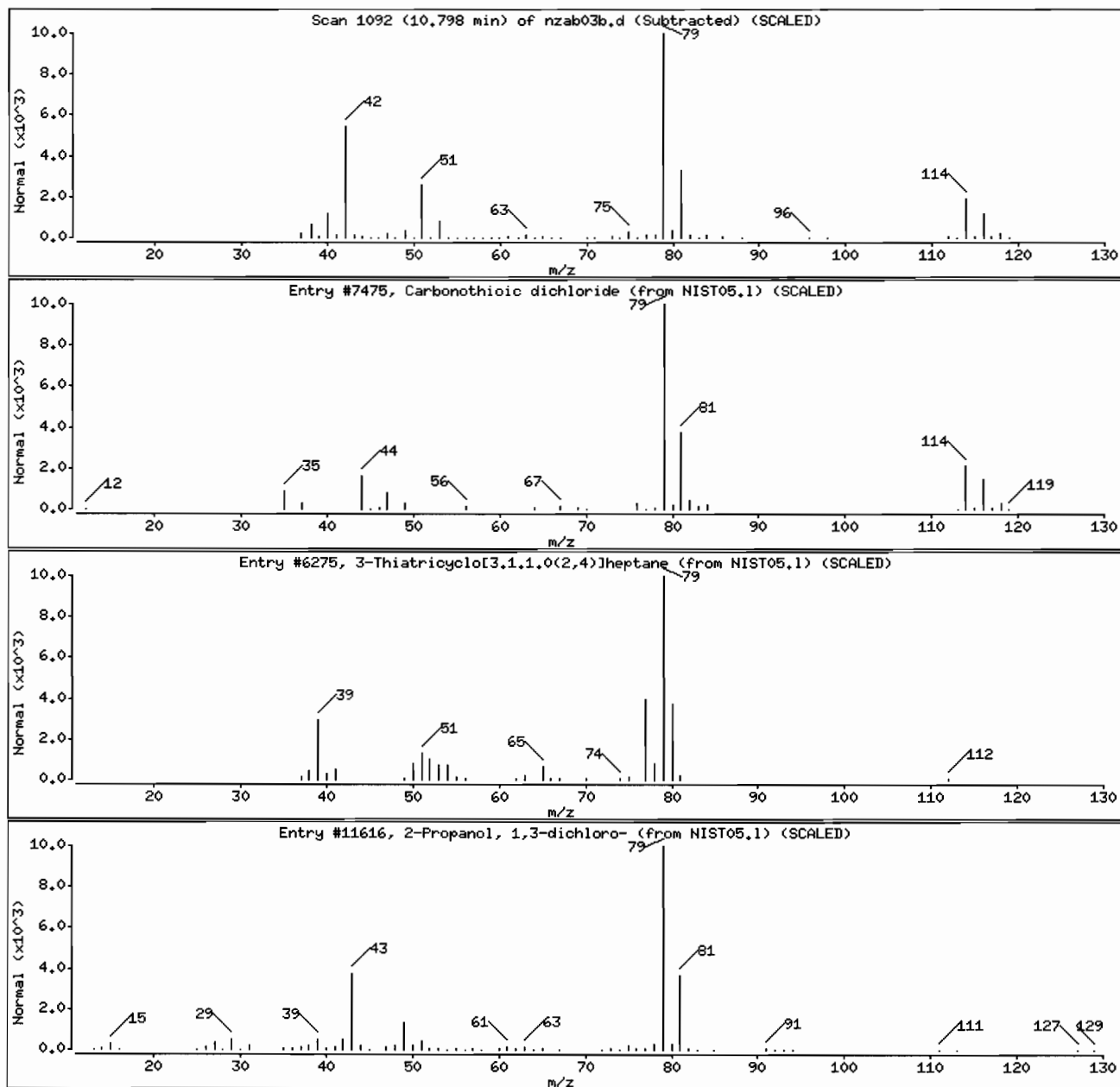
Sample Info:

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonythioic dichloride	463-71-8	NIST05.1	7475	50	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	23	C ₃ H ₆ Cl ₂ O	128



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

EPA SAMPLE NO.

VBKKNH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Soil

Lab Sample ID: VBKKNH

Sample wt/vol: 5.00 (g/mL) g

Lab File ID: NZEB03A

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 01/28/2010

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) <u>ug/kg</u>	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.

VBLKNH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Soil

Lab Sample ID: VBLKNH

Sample wt/vol: 5.00 (g/mL) g

Lab File ID: NZEB03A

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 01/28/2010

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.
VBLKNH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135376
Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: VBLKNH
Sample wt/vol: 5.00 (g/mL) g Lab File ID: NZEB03A
Level: (TRACE or LOW/MED) LOW Date Received:
% Moisture: not dec. 0.0 Date Analyzed: 01/28/2010
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	10.51	84	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		

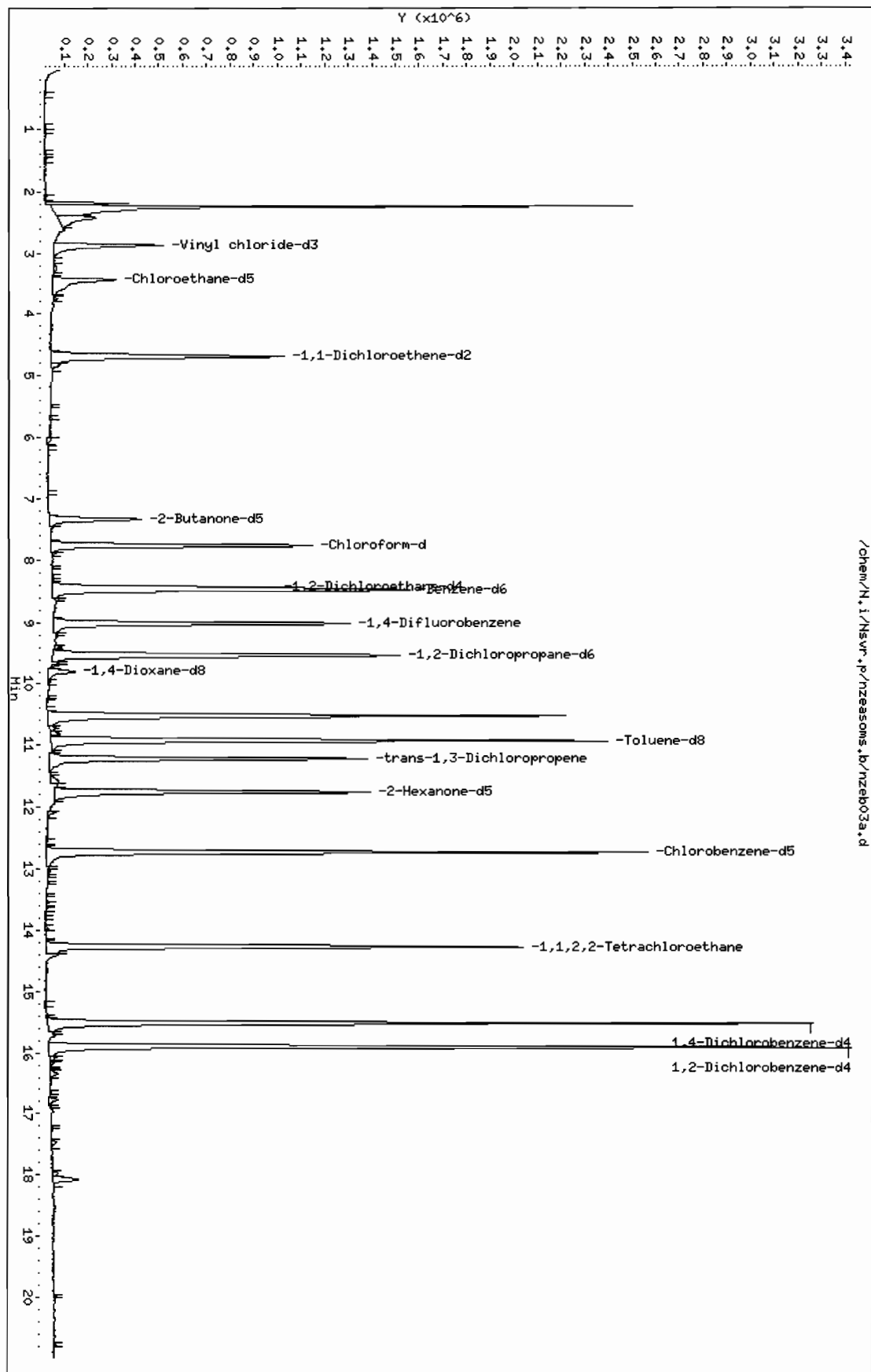
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/N.i/Nsvr.p/nzeasoms.b/nzeb03a.d
Date: 28-JAN-2010 10:06
Client ID: VBLKNH
Sample Info:

Column phase: DB-624

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



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT
Data file : /chem/N.i/Nsvr.p/nzeasoms.b/nzeb03a.d
Lab Smp Id: VBLKNH Client Smp ID: VBLKNH
Inj Date : 28-JAN-2010 10:06
Operator : MRV Inst ID: N.i
Smp Info :
Misc Info : VBLKNH,012810NH,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzeasoms.b/soms4.m
Meth Date : 28-Jan-2010 13:08 jd1 Quant Type: ISTD
Cal Date : 28-JAN-2010 01:09 Cal File: nze200v.d
Als bottle: 9 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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					CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/kg)
1 Dichlorodifluoromethane	85				Compound Not Detected.		
2 Chloromethane	50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	2.871	2.864	(0.318)	1053132	35.1836	70 (R)
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	3.442	3.425	(0.382)	867470	33.9739	68 (R)
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	4.683	4.685	(0.519)	1542626	22.5425	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.		

Compounds	QUANT SIG	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	7.332	7.325	(0.813)	1117705	87.4820	170
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	7.765	7.758	(0.861)	1711305	27.9409	56 (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	8.435	8.428	(0.936)	567407	29.9490	60
\$ 29 Benzene-d6	84	8.475	8.467	(0.666)	2437134	25.8729	52
30 Benzene	78		Compound Not Detected.				
31 1,2-Dichloroethane	62		Compound Not Detected.				
* 32 1,4-Difluorobenzene	114	9.016	9.009	(1.000)	1941550	25.0000	
33 Trichloroethene	95		Compound Not Detected.				
\$ 34 1,2-Dichloropropane-d6	67	9.528	9.521	(0.749)	1587183	26.7575	54
35 Methylcyclohexane	55		Compound Not Detected.				
36 1,2-Dichloropropane	63		Compound Not Detected.				
\$ 37 1,4-Dioxane-d8	96	9.794	9.797	(1.086)	182682	491.061	980
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	10.917	10.909	(0.858)	3088798	25.4056	51
43 Toluene	91		Compound Not Detected.				
\$ 44 trans-1,3-Dichloropropene-d4	79	11.212	11.205	(0.882)	1467722	25.9386	52
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	11.754	11.746	(0.924)	1103893	68.4210	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	12.719	12.712	(1.000)	2878131	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	14.265	14.258	(1.122)	2449194	25.2773	51
61 1,1,2,2-Tetrachloroethane	83		Compound Not Detected.				

Compounds	QUANT SIG	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	15.506	15.508	(1.000)	1583126	25.0000	(Q)
64 1,4-Dichlorobenzene	146				Compound Not Detected.		
\$ 65 1,2-Dichlorobenzene-d4	152	15.890	15.893	(1.025)	1535567	25.7445	51
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/nzeasoms.b/nzeb03a.d
Lab Smp Id: VBLKNH Client Smp ID: VBLKNH
Inj Date : 28-JAN-2010 10:06
Operator : MRV Inst ID: N.i
Smp Info :
Misc Info : VBLKNH,012810NH,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzeasoms.b/soms4.m
Meth Date : 28-Jan-2010 13:08 jdl Quant Type: ISTD
Cal Date : 28-JAN-2010 01:09 Cal File: nze200v.d
Als bottle: 9 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	9.016	4591343	25.000

CONCENTRATIONS				QUANT		
RT	AREA	ON-COL (ug/L)	FINAL (ug/kg)	QUAL	LIBRARY	LIB ENTRY CPND #
=====	=====	=====	=====	=====	=====	=====
Unknown				CAS #:		
10.513	7737618	42.1315590	84	0		0 32

Date : 28-JAN-2010 10:06

Client ID: VBLKNH

Instrument: N.i

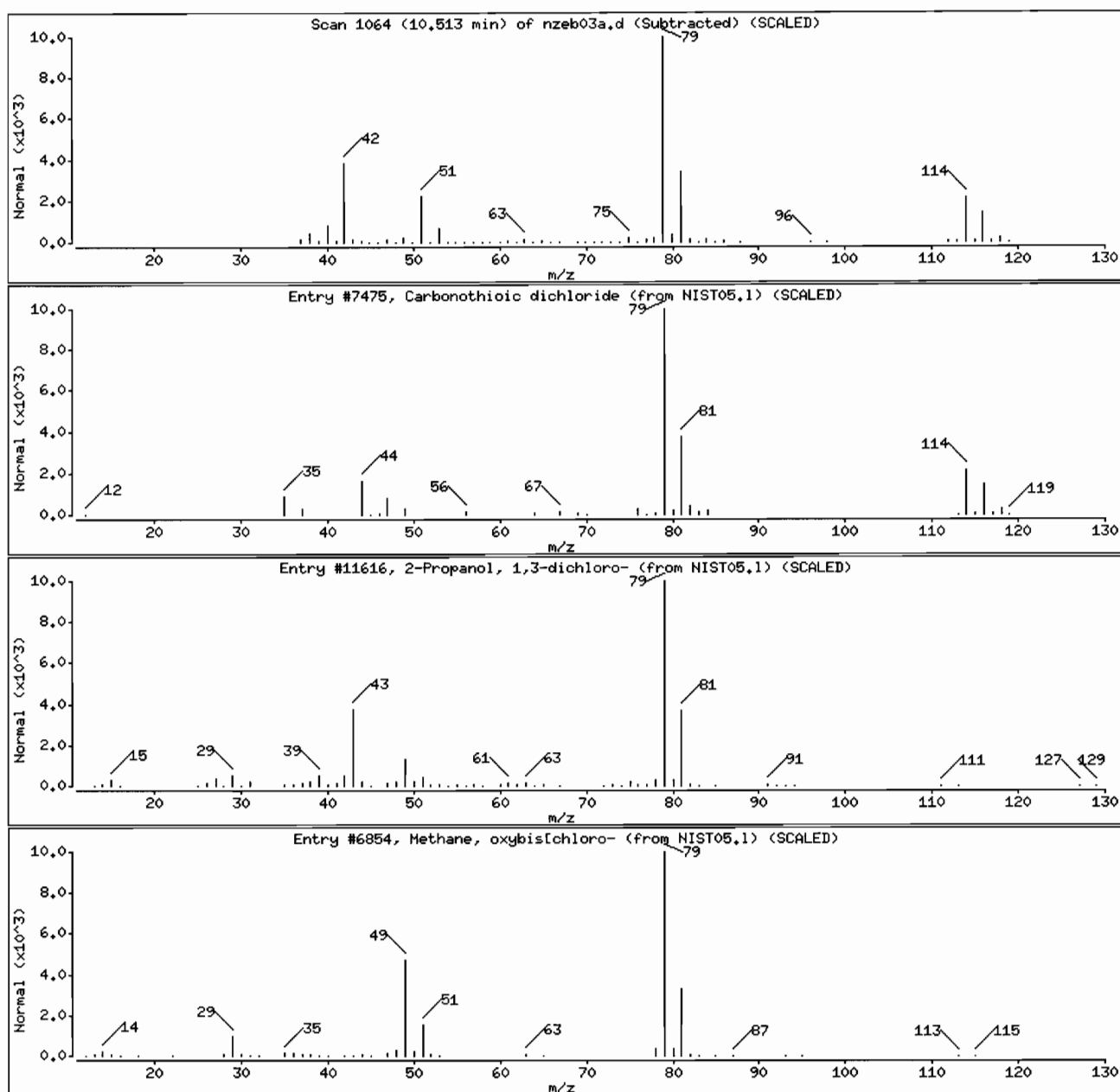
Sample Info:

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	52	CCl ₂ S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	32	C ₃ H ₆ Cl ₂ O	128
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	25	C ₂ H ₄ Cl ₂ O	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.: 135376
Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 816988
Sample wt/vol: 5.00 (g/mL) g Lab File ID: 816988
Level: (TRACE/LOW/MED) LOW Date Received:
% Moisture: not dec. 0.0 Date Analyzed: 01/28/2010
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) <u>ug/kg</u>	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.: 135376

Matrix: (SOIL/SED/WATER) Soil

Lab Sample ID: 816988

Sample wt/vol: 5.00 (g/mL) g

Lab File ID: 816988

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec. 0.0

Date Analyzed: 01/28/2010

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.: 135376

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 816988

Sample wt/vol: 5.00 (g/mL) g Lab File ID: 816988

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

% Moisture: not dec. 0.0 Date Analyzed: 01/28/2010

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)

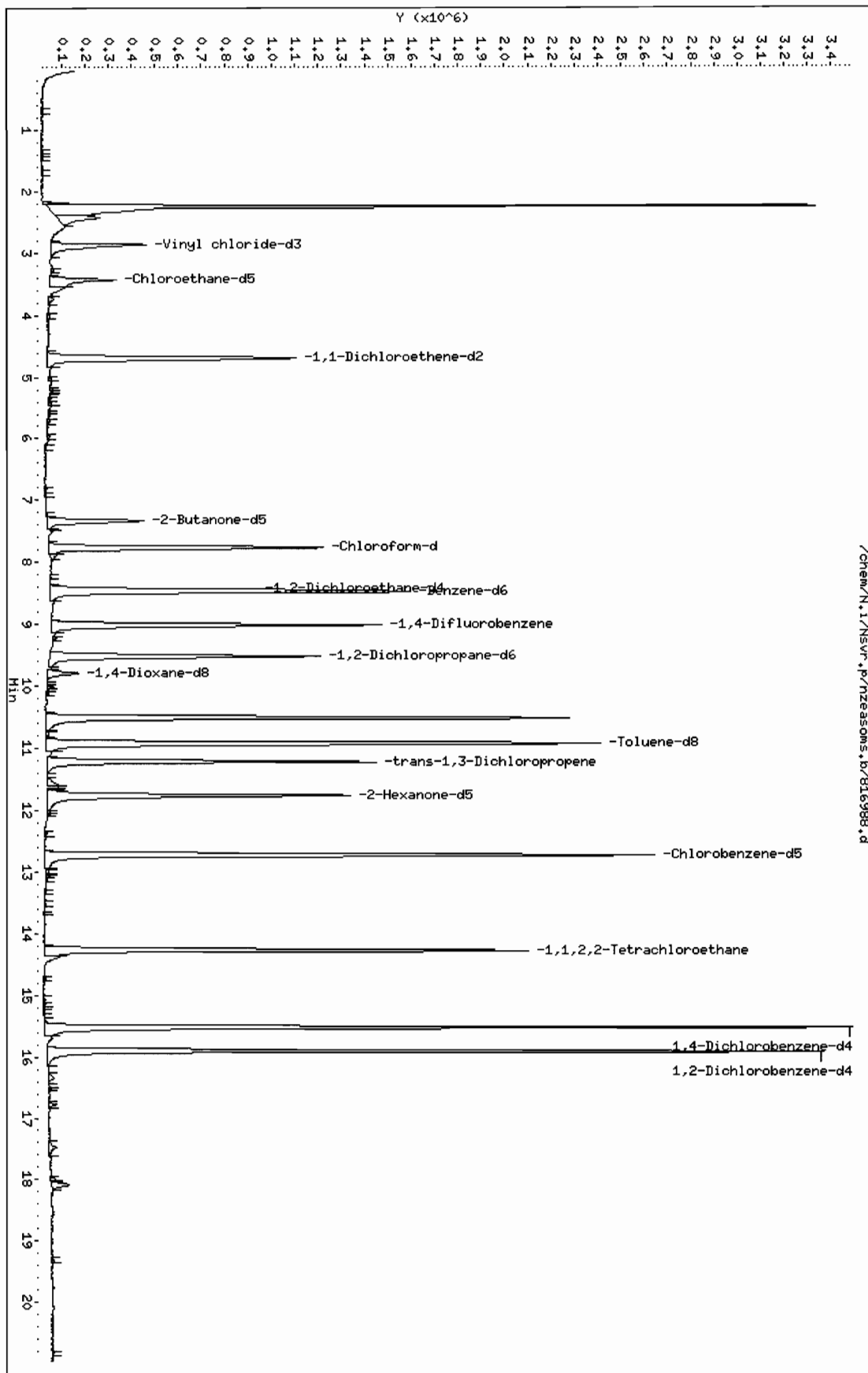
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	10.50	78	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/N.i/NSvr.p/nzeasoms.b/816988.d
Date: 28-JAN-2010 11:00
Client ID: VHBK02
Sample Info: VHBK02 : [] / @ (SOIL)
Column phase: DB-624

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



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzeasoms.b/816988.d
Lab Smp Id: 816988 Client Smp ID: VHBLK02
Inj Date : 28-JAN-2010 11:00
Operator : MRV Inst ID: N.i
Smp Info : VHBLK02 : [] / / @ (SOIL)
Misc Info : 816988,012810NH,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzeasoms.b/soms4.m
Meth Date : 28-Jan-2010 13:08 jdl Quant Type: ISTD
Cal Date : 28-JAN-2010 01:09 Cal File: nze200v.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/kg)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.871	2.864	(0.319)	1032384	30.4963	61
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.432	3.425	(0.381)	858777	29.7386	59
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.683	4.685	(0.520)	1624449	20.9892	42
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						

Compounds	QUANT SIG	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	7.332	7.325 (0.814)		1153993	79.8626	160
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	7.755	7.758 (0.861)		1812279	26.1629	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	8.425	8.428 (0.935)		598578	27.9355	56
\$ 29 Benzene-d6	84	8.465	8.467 (0.666)		2462253	25.3317	51
30 Benzene	78		Compound Not Detected.				
31 1,2-Dichloroethane	62		Compound Not Detected.				
* 32 1,4-Difluorobenzene	114	9.006	9.009 (1.000)		2195835	25.0000	
33 Trichloroethene	95		Compound Not Detected.				
\$ 34 1,2-Dichloropropane-d6	67	9.518	9.521 (0.748)		1226644	20.0402	40
35 Methylcyclohexane	55		Compound Not Detected.				
36 1,2-Dichloropropane	63		Compound Not Detected.				
\$ 37 1,4-Dioxane-d8	96	9.784	9.797 (1.086)		212269	504.516	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	10.917	10.909 (0.858)		3199666	25.5041	51
43 Toluene	91		Compound Not Detected.				
\$ 44 trans-1,3-Dichloropropene-d4	79	11.212	11.205 (0.882)		1525848	26.1324	52
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	11.754	11.746 (0.924)		1094153	65.7213	130
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	12.719	12.712 (1.000)		2969922	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	14.265	14.258 (1.122)		2418203	24.1861	48
61 1,1,2,2-Tetrachloroethane	83		Compound Not Detected.				

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/kg)
-----	----	--	-----	-----	-----	-----	-----
62 1,3-Dichlorobenzene	146		Compound Not Detected.				
* 63 1,4-Dichlorobenzene-d4	152	15.506	15.508	(1.000)	1695900	25.0000	(Q)
64 1,4-Dichlorobenzene	146		Compound Not Detected.				
\$ 65 1,2-Dichlorobenzene-d4	152	15.900	15.893	(1.025)	1573332	24.6236	49
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.

Data File: /chem/N.i/Nsvr.p/nzeasoms.b/816988.d
Report Date: 28-Jan-2010 13:08

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/N.i/Nsvr.p/nzeasoms.b/816988.d
Lab Smp Id: 816988 Client Smp ID: VHBLK02
Inj Date : 28-JAN-2010 11:00
Operator : MRV Inst ID: N.i
Smp Info : VHBLK02 :[] / / @ (SOIL)
Misc Info : 816988,012810NH,1,5
Comment :
Method : /chem/N.i/Nsvr.p/nzeasoms.b/soms4.m
Meth Date : 28-Jan-2010 13:08 jdl Quant Type: ISTD
Cal Date : 28-JAN-2010 01:09 Cal File: nze200v.d
Als bottle: 9
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	9.006	5088672	25.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL (ug/L)	FINAL (ug/kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
10.503	7923441	38.9268569	78	0		0	32

Date : 28-JAN-2010 11:00

Client ID: VHBLK02

Instrument: N.i

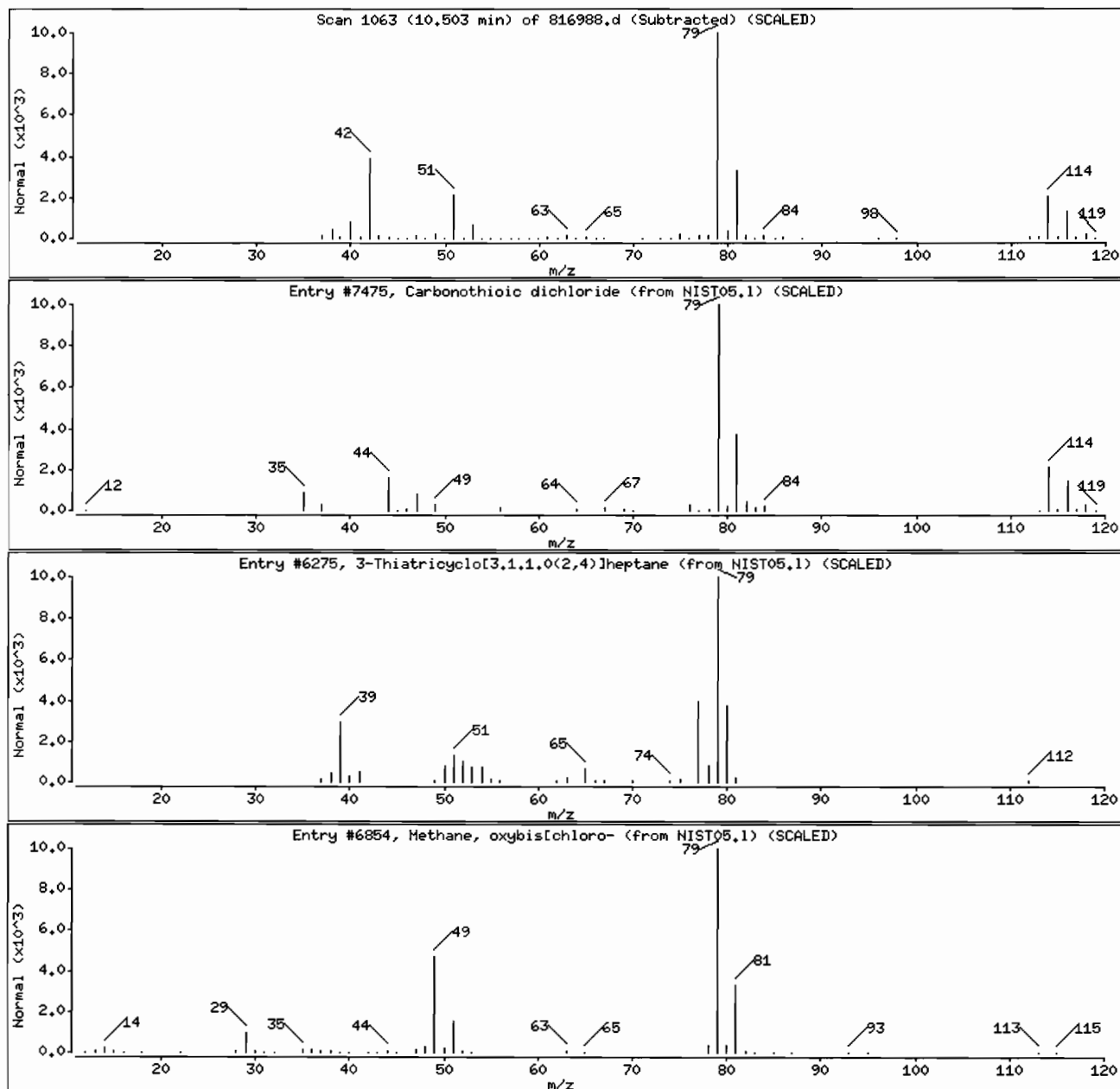
Sample Info: VHBLK02 :[1 / / @ (SOIL)

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	52	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C ₆ H ₈ S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	25	C ₂ H ₄ Cl ₂ O	114





Sample Preparation – SOM01.2 Volatiles

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

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

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

Lab Sample ID	Client Sample ID	Sample Type	Inst.	Column	Compound		Manual Integration Flag	Analyst	Date-Time	Sign-Off
					Peak RT					
VSTD025NG	VSTD025NG	INIT. CALIB. Bromomethane	N DB-624	28-JAN-2010 00:13	NZE050V	MI1 - Poor automated baseline	mtp	01/28/10 07:55		MTP 1/28/10
VSTD050NG	VSTD050NG	INIT. CALIB. Bromomethane	N DB-624	28-JAN-2010 00:41	NZE100V	MI1 - Poor automated baseline	mtp	01/28/10 08:00		
VSTD100NG	VSTD100NG	INIT. CALIB. Chloroethane-d5	N DB-624	28-JAN-2010 01:09	NZE200V	MI1 - Poor automated baseline	mtp	01/28/10 08:02		

TestAmerica Burlington - Manual Integration Summary
SDG: 135376 Fraction: Volatile

Lab Sample ID	Client Sample ID	Sample Type	Inst.	Compound	Column	Analysis Date	Filename	Manual Integration Flag	Analyst	Date-Time	Sign-Off
VSTD025N0	3.628	INIT. CALIB. Bromomethane	N DB-624			13-JAN-2010 18:00	NZA050V		jp1	01/14/10 09:58	
VSTD050N0	3.634	INIT. CALIB. Bromomethane	N DB-624			13-JAN-2010 18:28	NZA100V		jp1	01/14/10 09:59	
	\$ 3.743	Chloroethane-d5							jp1	01/14/10 09:59	
	3.792	Chloroethane							jp1	01/14/10 10:00	
VSTD100N0	\$ 3.737	INIT. CALIB. Chloroethane-d5	N DB-624			13-JAN-2010 18:56	NZA200V		jp1	01/14/10 10:01	
	3.776	Chloroethane							jp1	01/14/10 10:01	
VSTD025N0	\$ 3.638	CONT. CALIB. Bromomethane	N DB-624			15-JAN-2010 09:26	NZA050BV		jp1	01/15/10 10:03	
	\$ 3.766	Chloroethane-d5							jp1	01/15/10 10:04	
VSTD025QN	3.642	CONT. CALIB. Bromomethane	N DB-624			15-JAN-2010 17:31	NZA50BC1		jp1	01/18/10 15:33	
VSTD025NG	3.297	INIT. CALIB. Bromomethane	N DB-624			28-JAN-2010 00:13	NZE050V		mtp	01/28/10 07:55	
VSTD050NG	3.298	INIT. CALIB. Bromomethane	N DB-624			28-JAN-2010 00:41	NZE100V		mtp	01/28/10 08:00	
	\$ 3.397	Chloroethane-d5							mtp	01/28/10 08:00	
	3.446	Chloroethane							mtp	01/28/10 08:01	

JPD 01/28/10
↓

TestAmerica Burlington - Manual Integration Summary
SDG: 135376 Fraction: Volatile

Lab Sample ID	Client		Sample Type	Inst.	Column	Analysis Date	Manual Integration Flag	Analyst	Date-Time	Sign-Off
	Peak	RT								
VSTD100NG	VSTD100NG		INIT. CALIB.		N DB-624	28-JAN-2010 01:09		JPD 01/28/10		
	\$ 3.388		Chloroethane-d5			MI1 - Poor automated baseline			01/28/10 08:02	
	3.438		Chloroethane			MI1 - Poor automated baseline			01/28/10 08:02	
VSTD025NH	VSTD025NH		CONT. CALIB.		N DB-624	28-JAN-2010 09:10		JPD 01/28/10		
	3.300		Bromomethane			MI1 - Poor automated baseline			01/28/10 09:49	
VSTD025HN	VSTD025HN		CONT. CALIB.		N DB-624	28-JAN-2010 11:28		JPD 01/28/10		
	3.313		Bromomethane			MI1 - Poor automated baseline			01/28/10 13:00	

Sequence			Standard Traceability			Instrument Information			Instrument Performance Checks		
Batch ID:	NZA030MS	BFB Lot#	MV17160901	Instrument:	HP5971	Instrument ID:	N	53K	Tune STD	RT Summary	
Test Method:	NZASOM	ISTD Lot #:	MV01131001	Column Type:	Capillary	Purge Volume:	5 mL	Internal Standard Response	RT & Ratios Updated		
ICAL Date:	01/13/10	Surrogate Lot #	MV17220901								
Start Date:	01/15/10	CAL STD Lot #	MV12220902								
End Date:	01/15/10	LCSMS Lot #	MV12220903								
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	Comments	
	NZA03PV	BFB NQ	NA		JPI	NA			JPI		
	NZA04PV	BFB NQ	NA		JPI	NA			JPI		
0818	NZA05PV	BFB NQ	NA		JPI	NA			JPI		
0857	NZA06PB	BLANK									
0926	NZA050BV	VSTD050NQ									
0954	NZA0502B	BLANK									
1023	NZA0503B	VBCK NQ									
1106	816785I2	135327	W2	5.24							
1134	816850I2	135345	W2	5.43							
1203	816990	135374	W1	5.36							
1232	816991			5.62							
1300	816982	135376		4.64							
1329	816983			5.36							
1357	816984			4.41							
1425	816985			5.03							
1454	816986			5.09							
1538	NZA0504B			5.0							
1601	816787	135327	W1								
1635	816852	135345									
1703	816901	135355									
1731	NZA050BC1	VSTD050BN	NA		JPI						
1739	NZA050BC2	VSTD050BN									

BR-FVM010:03.15.09:4
TestAmerica

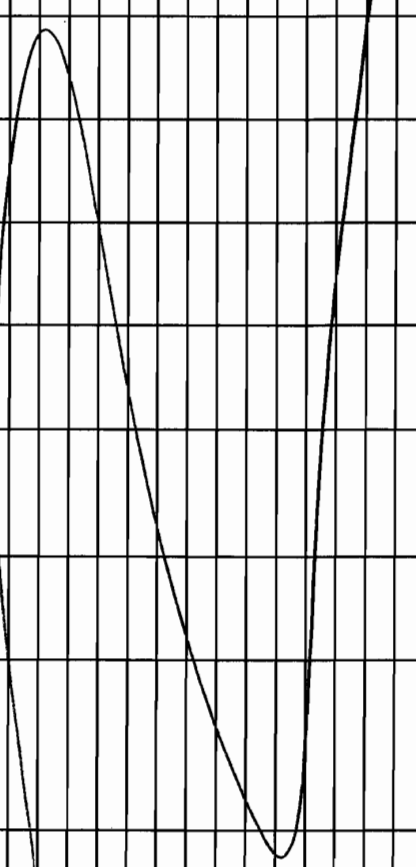
Legend: C=Complete ■ R=Reanalyze ■ = High ■ ↓= Low ■ ✓=Reviewed and Acceptable

Sequence			Standard Traceability			Instrument Information			Instrument Performance Checks		
Batch ID:	Test Method:	ICAL Date:	BFB Lot#	ISTD Lot #:	Surrogate Lot #	Instrument: HP5971	Column Type: Capillary	Purge Volume: ☐ 5 mL ☒ 25 mL	☐ Tune STD ☐ RF Summary		
Start Date: 01/21/10	Time: 2:47	Time: 09:47	CAL STD Lot #	MV 01181001	MV 01221002				☐ Internal Standard Response		
End Date: 01/28/10	Time: 09:47	Time: 09:47	LCS/MS Lot #						☐ RT & Ratios Updated		
									☐ Batch MS/MSD was not performed due to insufficient sample volume		
Sequence Information											
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g)	Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc		
2147	NZE010V	BFB NG	N/A			JPI			MTP		
2221	NZE B01	BLANK									
2249	NZE B02	BLANK									
2317	NZE005V	VSTD005 NG									
2345	NZE010V	VSTD010 NG									
0013	NZE050V	VSTD050 NG									
0041	NZE 100V	VSTD100 NG									
0109	NZE 200V	VSTD 200 NG									
0137	NZE B03	BLANK									
0200	NZE B04	VBK NG									
Individual Sample Review											
Comments											
MTP											
1/28/10											

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

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GC/MS VOA INSTRUMENT RUN LOG

Sequence			Standard Traceability			Instrument Information			Instrument Performance Checks		
Batch ID:	NZEASMS	BFB Lot#	NV12181901	Instrument:	HP5971	Instrument ID:	N	Tune STD	RF Summary		
Test Method:	30m Low Level Std	ISTD Lot #:	NV07251001	Column Type:	Capillary	Purge Volume:	□ 5 mL □ 10 mL □ 25 mL	Internal Standard Response	RT & Ratios Updated		
ICAL Date:	01/27/10	Surrogate Lot #	NV01191001	CAL STD Lot #	C	LCS/MS Lot #		Batch MS/MSD was not performed due to	insufficient sample volume		
Start Date:	01/28/10	Time:	0805								
End Date:	1/28/10	Time:	2005								
Sequence Information											
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g)	Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	Comments
0805	NZE02AV	BFBNH	NA			MR	NA		✓	MR	
0910	NZE050A	BLANN					NA				
0938	NZE050AV	V510050NH									
1006	NZE050A	BLANN									
1140	NZE050A	V510050NH									
1128	NZE050ACI	V510050NH	NA								good for closing
											
 1/28/10											

BR-FVM010:03.15.09:4
TestAmerica

Legend: C=Complete ■ R=Reanalyze ■ = High ■ ↓= Low ■ ✓=Reviewed and Acceptable
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Container Traceability:

Water	Lot #
	B932701VB

NaHSO ₄	Lot #

MeOH (5)	Lot #
	Q122201S

MeOH (10) Lot #

LAB ID	Bottle Code	Field Preserved		Preservation			MS/MSD		MS/MSD Spike		Sample Vt Determination (g)		Comments
		Y	N	Water	NaHSO ₃	MeOH (10)	MeOH (6)	Spike		Tare Wt	Final Wt	Sample Wt	
816982	w1		N	✓						32.19	36.83	4.64	
	w2			✓						32.31	37.32	5.01	
816983	m1						✓			29.20	34.06	4.86	
	w1			✓						32.16	37.52	5.36	
816984	w2			✓			✓			32.27	36.69	4.42	
	m1									29.42	34.17	4.75	
816985	w1			✓						32.32	36.73	4.41	
	w2			✓						32.27	37.51	5.24	
816986	m1						✓			29.34	33.63	4.29	
	w1			✓						32.22	37.25	5.03	
816987	w2			✓						32.20	37.20	5.00	
	m1						✓			29.59	33.69	4.10	
816988	w1			✓						32.22	37.31	5.09	
	w2			✓						32.16	37.18	5.02	
816989	m1						✓			29.48	34.55	5.07	
	w1			✓						32.19	—	—	
816990	w2			✓						32.14	—	—	
	m1						✓			29.61	—	—	
816991 1-08-2010													

$$^1 \text{ Water} = 5 \text{ mL} \quad \text{NaHSO}_4 = 1 \text{ g} \quad \text{MeOH (5)} = 5 \text{ mL} \quad \text{MeOH (10)} = 10 \text{ mL}$$

BR-FVM012:07.31.09:7
TestAmerica

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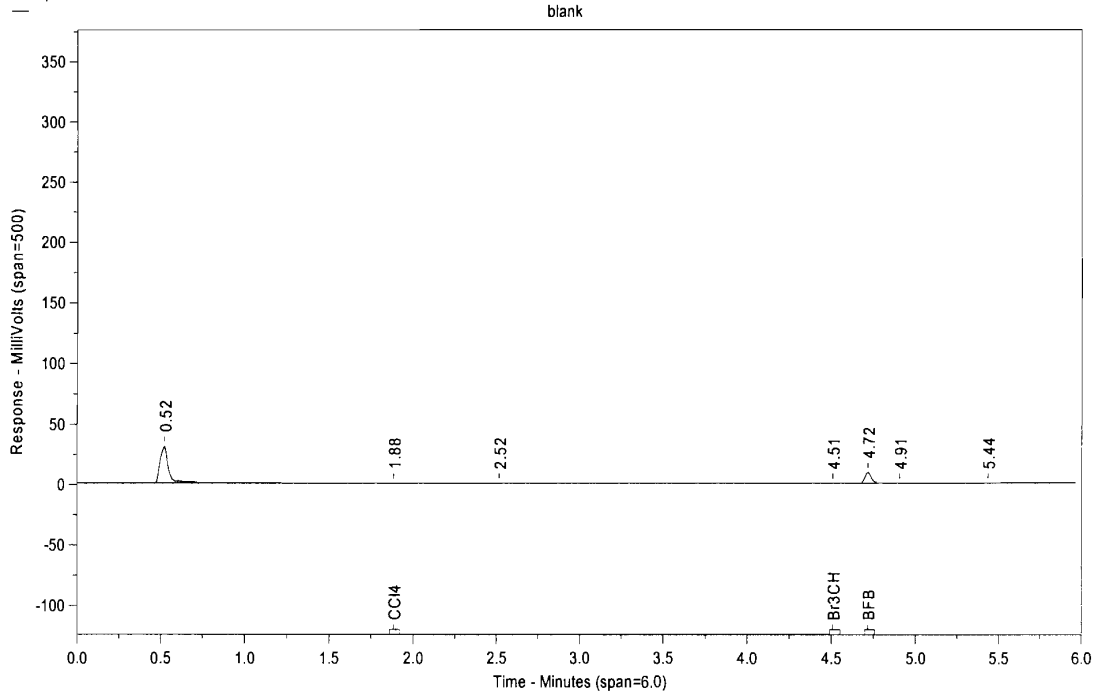
Chrom Perfect Chromatogram Report

Sample Name: blank

Data File: C:\CPSpirit5\Data2\VoaE010910.0020.RAW

Acquired from Instrument 1 on 1/9/10 2:37:55 PM by

Sample blank was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	30888.44	4.72	BFB	466	8914.60
1.88	CCl4	0	64.61	4.91		0	29.02
2.52		0	28.97	5.44		0	24.06
4.51	Br3CH	0	26.07				

Surrogate BFB recovery is 116.4%

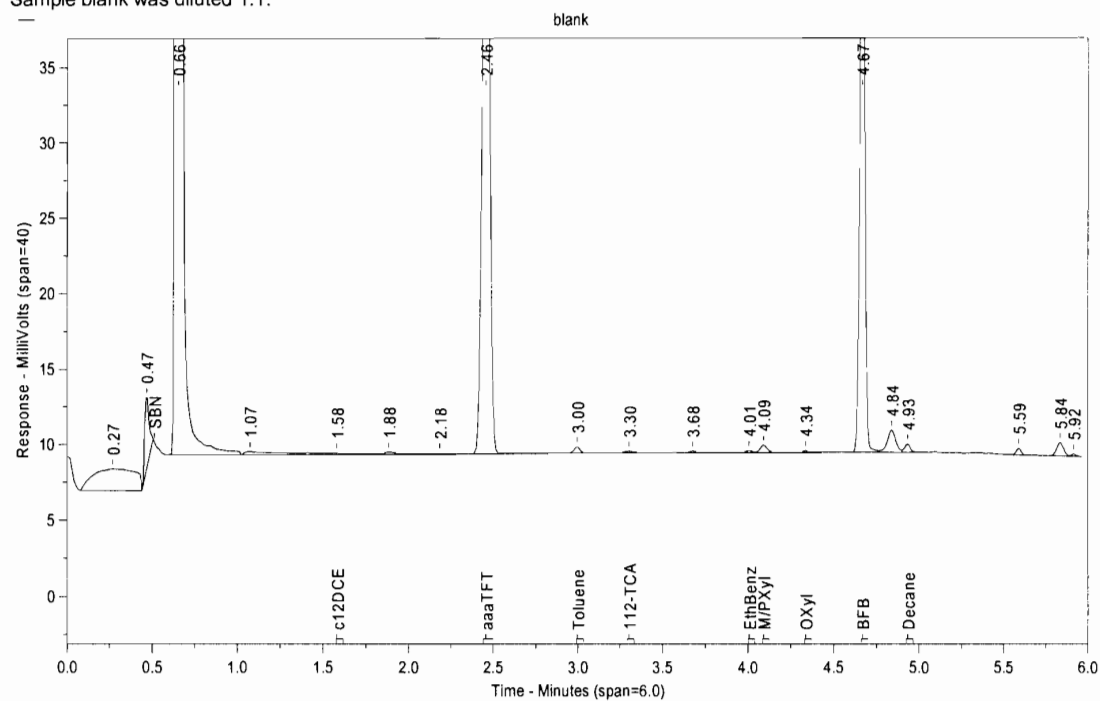
Chrom Perfect Chromatogram Report

Sample Name: blank

Data File: C:\CPSpirit5\Data2\VoaF010910.0020.RAW

Acquired from Instrument 1 on 1/9/10 2:37:55 PM by

Sample blank was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1429.21	3.68		0	127.38
0.47		0	4701.98	4.01	EthBenz	0	151.15
0.66		0	612898.00	4.09	M/Pyxl	1	517.35
1.07		0	226.34	4.34	OXyl	0	119.87
1.58	c12DCE	1	118.03	4.67	BFB	427	44700.23
1.88		0	154.94	4.84		0	1471.38
2.18		0	71.91	4.93	Decane	1	556.92
2.46	aaaTFT	421	52479.98	5.59		0	456.91
3.00	Toluene	2	441.62	5.84		0	896.91
3.30	112-TCA	2	125.25	5.92		0	151.61

Surrogate aaaTFT recovery is 105.1%

Surrogate BFB recovery is 106.7%

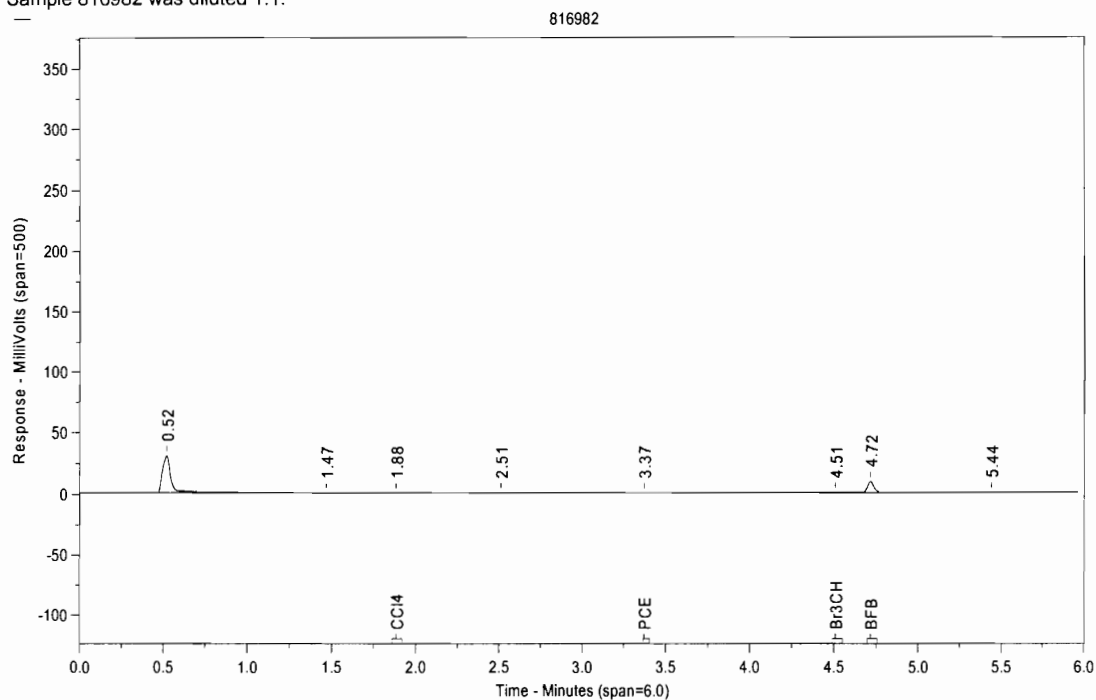
Chrom Perfect Chromatogram Report

Sample Name: 816982

Data File: C:\CPSpirit5\Data2\VoaE010910.0021.RAW

Acquired from Instrument 1 on 1/9/10 2:49:34 PM by

Sample 816982 was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	30713.96	3.37	PCE	0	16.96
1.47		0	72.12	4.51	Br3CH	0	26.74
1.88	CCl4	0	69.66	4.72	BFB	463	8863.21
2.51		0	22.80	5.44		0	24.84

Surrogate BFB recovery is 115.7%

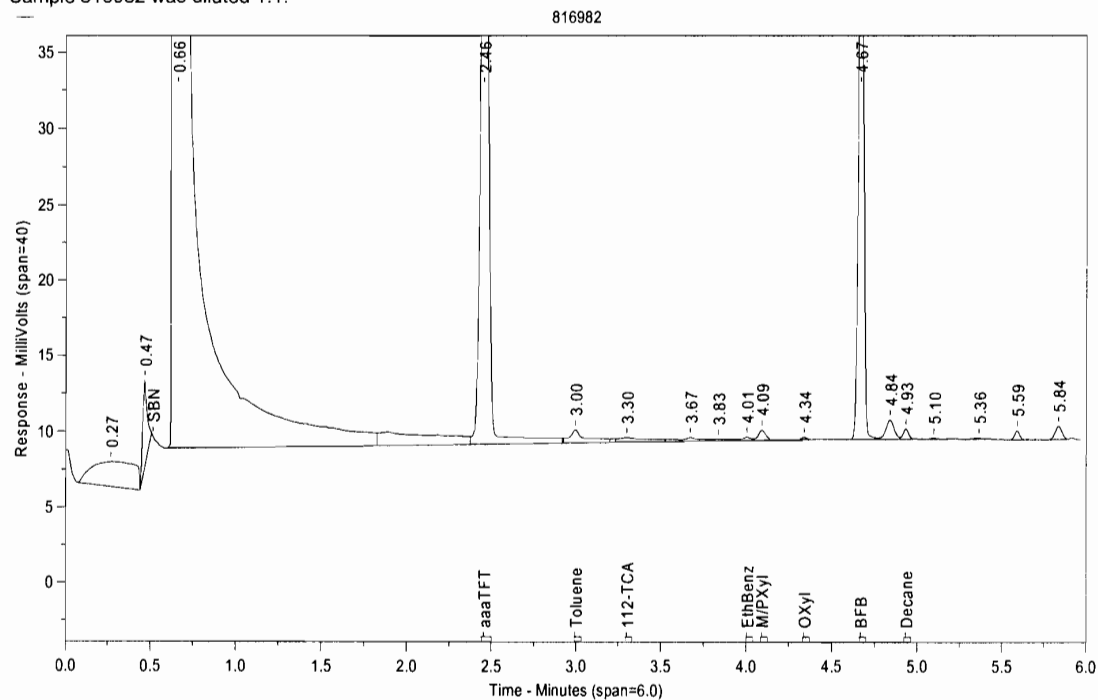
Chrom Perfect Chromatogram Report

Sample Name: 816982

Data File: C:\CPSpirit5\Data2\VoaF010910.0021.RAW

Acquired from Instrument 1 on 1/9/10 2:49:34 PM by

Sample 816982 was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1645.30	4.09	M/Pyxl	2	674.19
0.47		0	5850.13	4.34	OXyl	0	165.19
0.66		0	970240.63	4.67	BFB	422	44166.83
2.46	aaaTFT	434	54150.16	4.84		0	1275.43
3.00	Toluene	4	854.05	4.93	Decane	2	690.80
3.30	112-TCA	7	297.46	5.10		0	67.71
3.67		0	249.48	5.36		0	73.46
3.83		0	118.84	5.59		0	599.73
4.01	EthBenz	1	215.82	5.84		0	856.56

Surrogate aaaTFT recovery is 108.5%

Surrogate BFB recovery is 105.4%

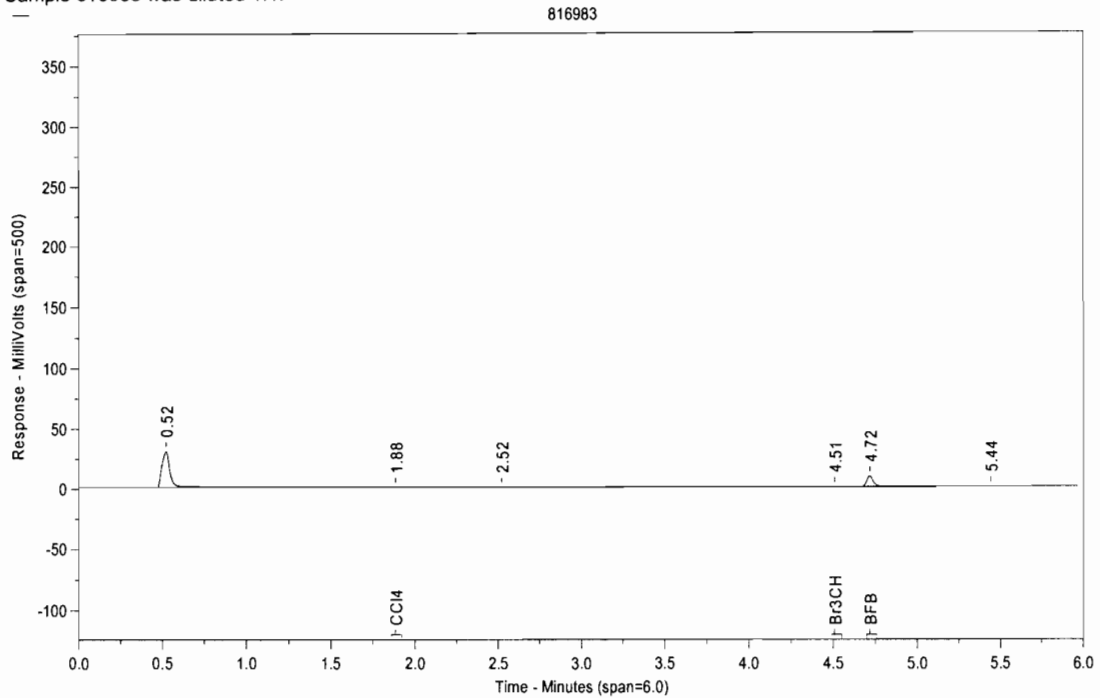
Chrom Perfect Chromatogram Report

Sample Name: 816983

Data File: C:\CPSpirit5\Data2\VoaE010910.0022.RAW

Acquired from Instrument 1 on 1/9/10 3:00:55 PM by

Sample 816983 was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	30729.19	4.51	Br3CH	0	25.30
1.88	CCl4	0	58.02	4.72	BFB	459	8798.53
2.52		0	22.79	5.44		0	23.14

Surrogate BFB recovery is 114.7%

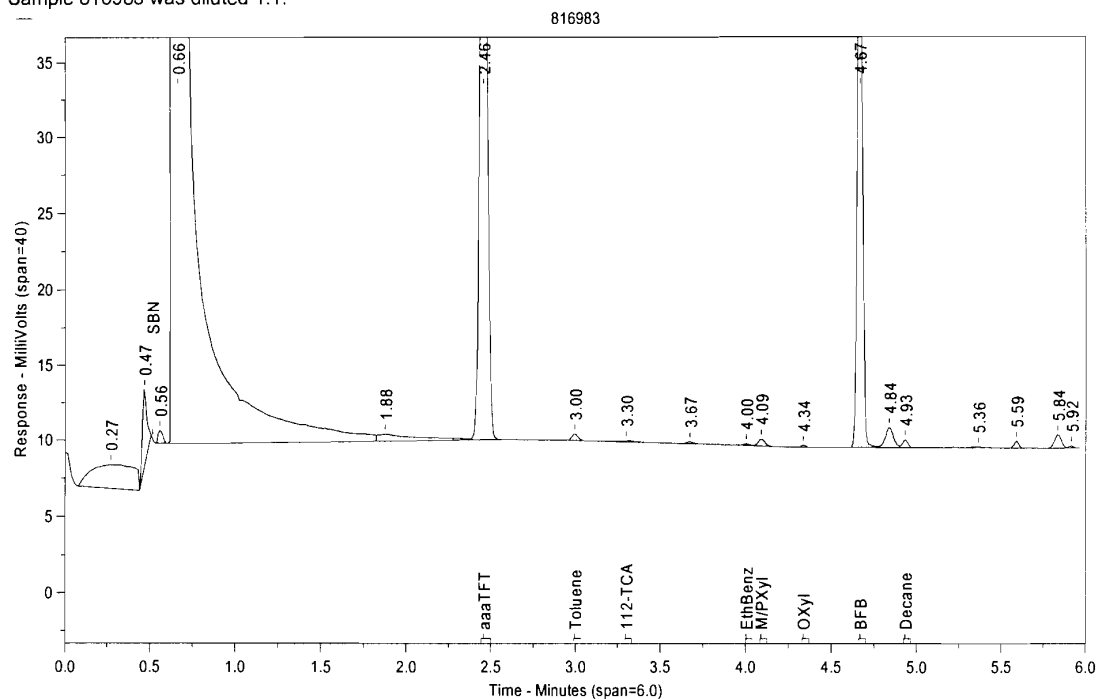
Chrom Perfect Chromatogram Report

Sample Name: 816983

Data File: C:\CPSpirit5\Data2\VoaF010910.0022.RAW

Acquired from Instrument 1 on 1/9/10 3:00:55 PM by

Sample 816983 was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1547.86	4.09	M/Pyxl	1	470.90
0.47		0	5440.06	4.34	OXyl	0	120.81
0.56		0	864.80	4.67	BFB	420	43984.60
0.66		0	969190.63	4.84		0	1353.29
1.88		0	460.63	4.93	Decane	1	520.25
2.46	aaaTFT	426	53194.36	5.36		0	55.20
3.00	Toluene	2	450.15	5.59		0	454.81
3.30	112-TCA	1	113.34	5.84		0	907.61
3.67		0	139.35	5.92		0	153.82
4.00	EthBenz	0	118.08				

Surrogate aaaTFT recovery is 106.6%

Surrogate BFB recovery is 105.0%

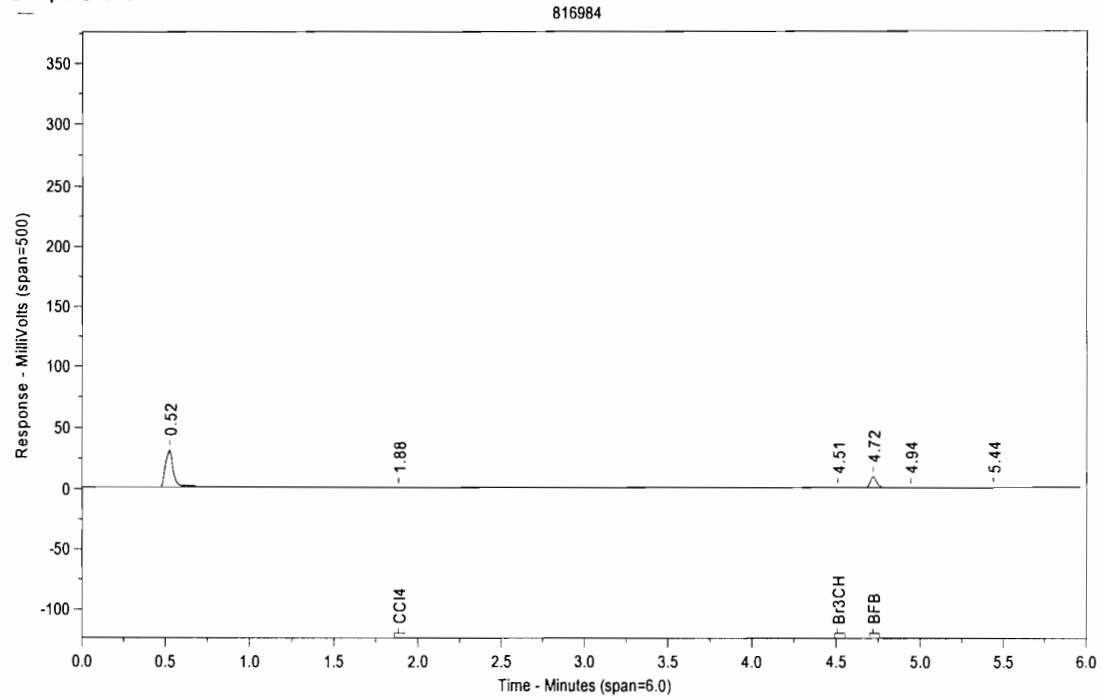
Chrom Perfect Chromatogram Report

Sample Name: 816984

Data File: C:\CPSpirit5\Data2\VoaE010910.0023.RAW

Acquired from Instrument 1 on 1/9/10 3:12:25 PM by

Sample 816984 was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	30693.26	4.72	BFB	464	8889.51
1.88	CCl4	0	62.92	4.94		0	20.97
4.51	Br3CH	0	27.69	5.44		0	26.27

Surrogate BFB recovery is 116.%

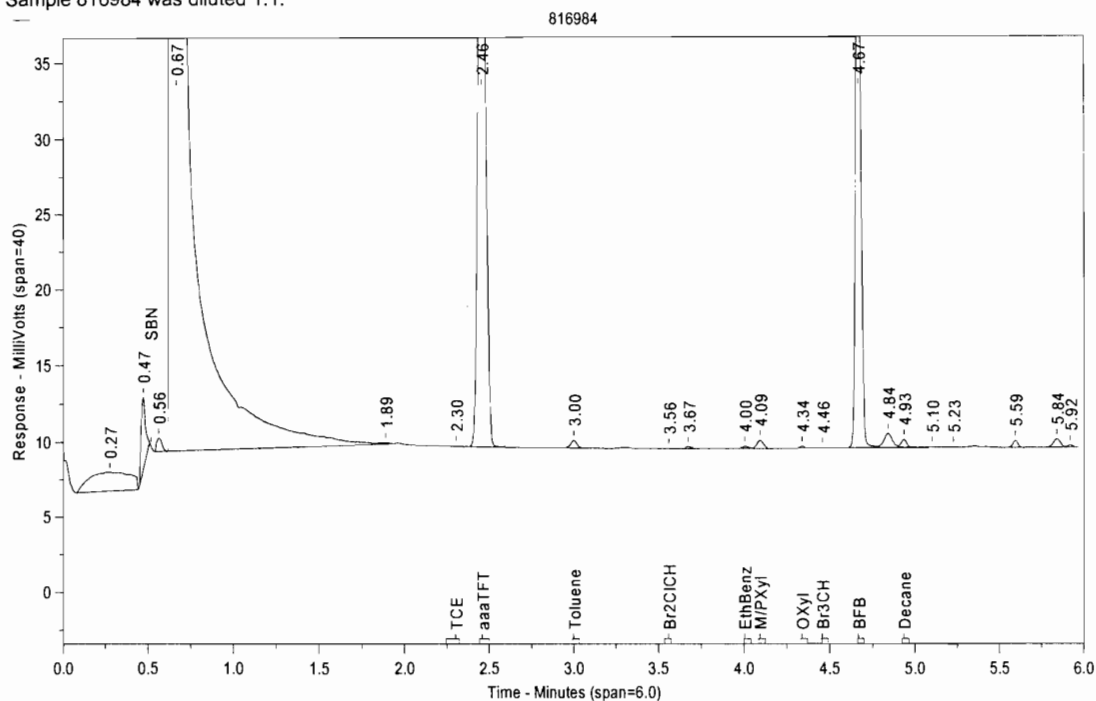
Chrom Perfect Chromatogram Report

Sample Name: 816984

Data File: C:\CPSpirit5\Data2\VoaF010910.0023.RAW

Acquired from Instrument 1 on 1/9/10 3:12:25 PM by

Sample 816984 was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1249.67	4.09	M/PXyl	1	548.81
0.47		0	4793.63	4.34	Oxyl	0	140.18
0.56		0	930.36	4.46	Br3CH	-1	43.13
0.67		0	1007084.81	4.67	BFB	424	44411.79
1.89		0	96.77	4.84		0	940.90
2.30	TCE	1	71.22	4.93	Decane	1	541.61
2.46	aaaTFT	439	54790.45	5.10		0	56.13
3.00	Toluene	2	498.04	5.23		0	55.11
3.56	Br2CICH	4	46.46	5.59		0	464.81
3.67		0	134.45	5.84		0	566.75
4.00	EthBenz	0	136.78	5.92		0	145.03

Surrogate aaaTFT recovery is 109.8%

Surrogate BFB recovery is 106.6%

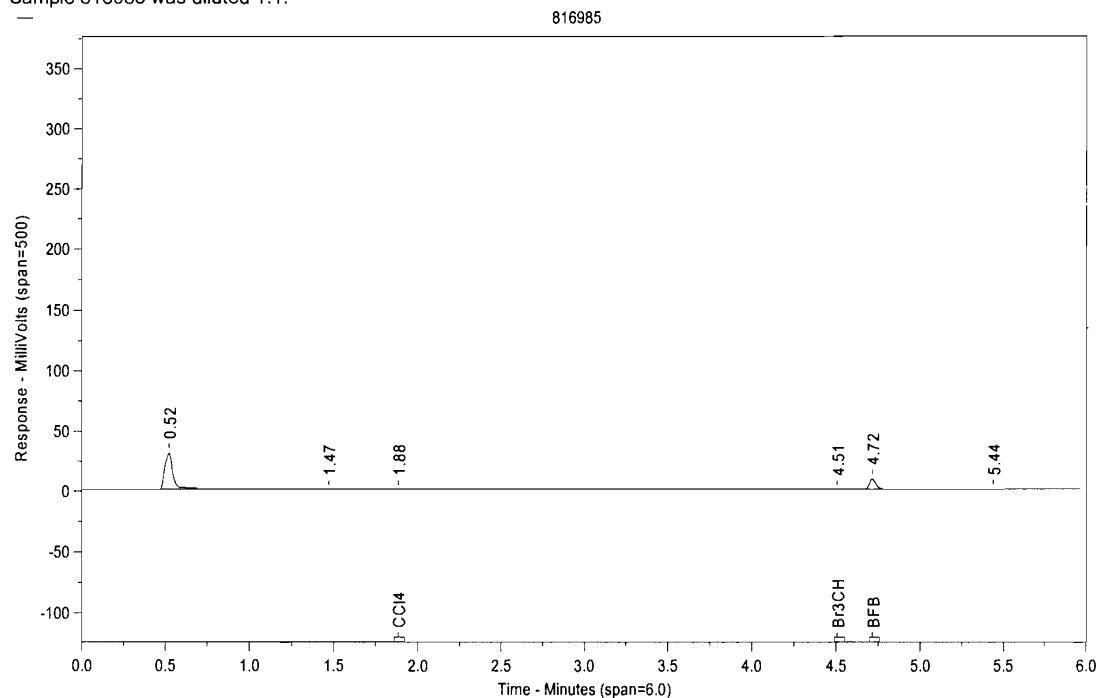
Chrom Perfect Chromatogram Report

Sample Name: 816985

Data File: C:\CPSpirit5\Data2\VoaE010910.0024.RAW

Acquired from Instrument 1 on 1/9/10 3:23:45 PM by

Sample 816985 was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	31038.22	4.51	Br3CH	0	25.42
1.47		0	72.24	4.72	BFB	467	8939.90
1.88	CCl4	0	69.70	5.44		0	22.99

Surrogate BFB recovery is 116.8%

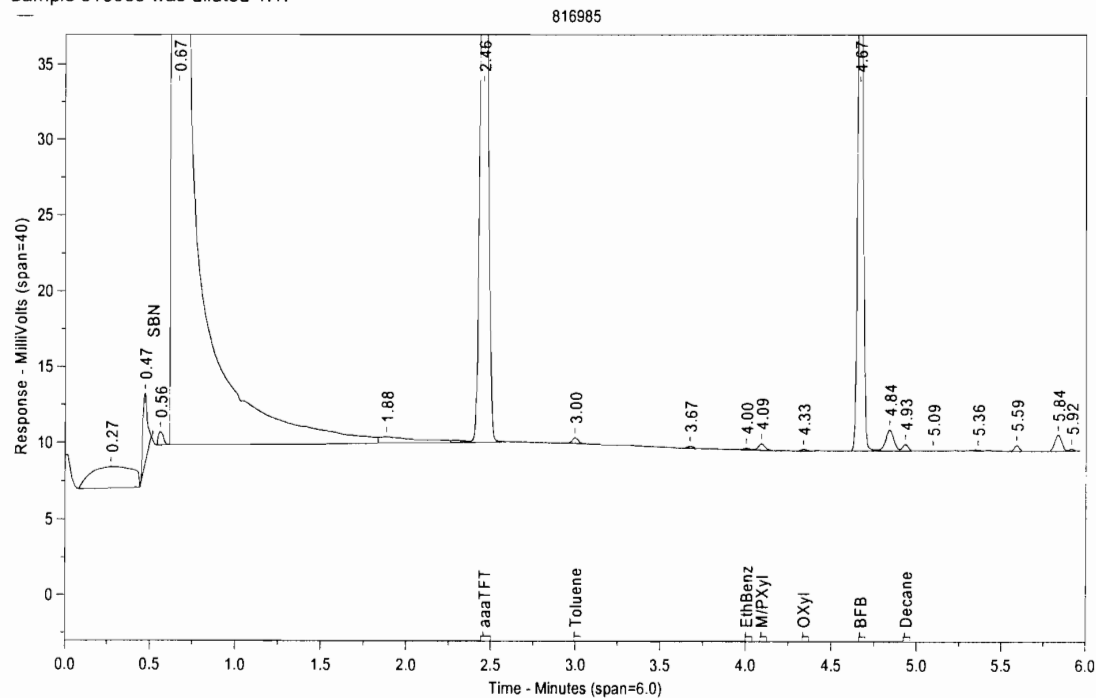
Chrom Perfect Chromatogram Report

Sample Name: 816985

Data File: C:\CPSpirit5\Data2\VoaF010910.0024.RAW

Acquired from Instrument 1 on 1/9/10 3:23:45 PM by

Sample 816985 was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1362.54	4.33	OXyl	0	115.71
0.47		0	4653.85	4.67	BFB	426	44655.80
0.56		0	910.35	4.84		0	1392.66
0.67		0	1011346.94	4.93	Decane	1	450.71
1.88		0	427.76	5.09		0	54.81
2.46	aaaTFT	435	54309.73	5.36		0	49.41
3.00	Toluene	2	374.60	5.59		0	388.79
3.67		0	138.66	5.84		0	1061.53
4.00	EthBenz	0	108.39	5.92		0	135.86
4.09	M/PXyl	1	429.08				

Surrogate aaaTFT recovery is 108.8%

Surrogate BFB recovery is 106.6%

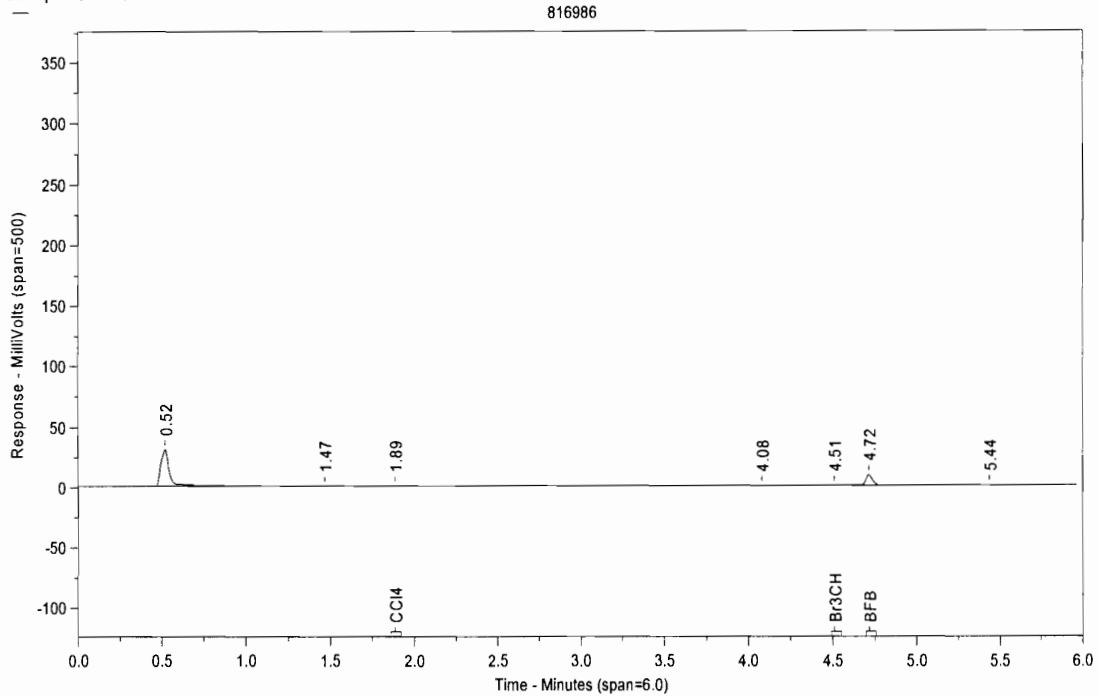
Chrom Perfect Chromatogram Report

Sample Name: 816986

Data File: C:\CPSpirit5\Data2\VoaE010910.0025.RAW

Acquired from Instrument 1 on 1/9/10 3:35:13 PM by

Sample 816986 was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	30951.51	4.51	Br3CH	0	27.27
1.47		0	48.61	4.72	BFB	465	8904.07
1.89	CCl4	0	60.75	5.44		0	27.96
4.08		0	18.95				

Surrogate BFB recovery is 116.2%

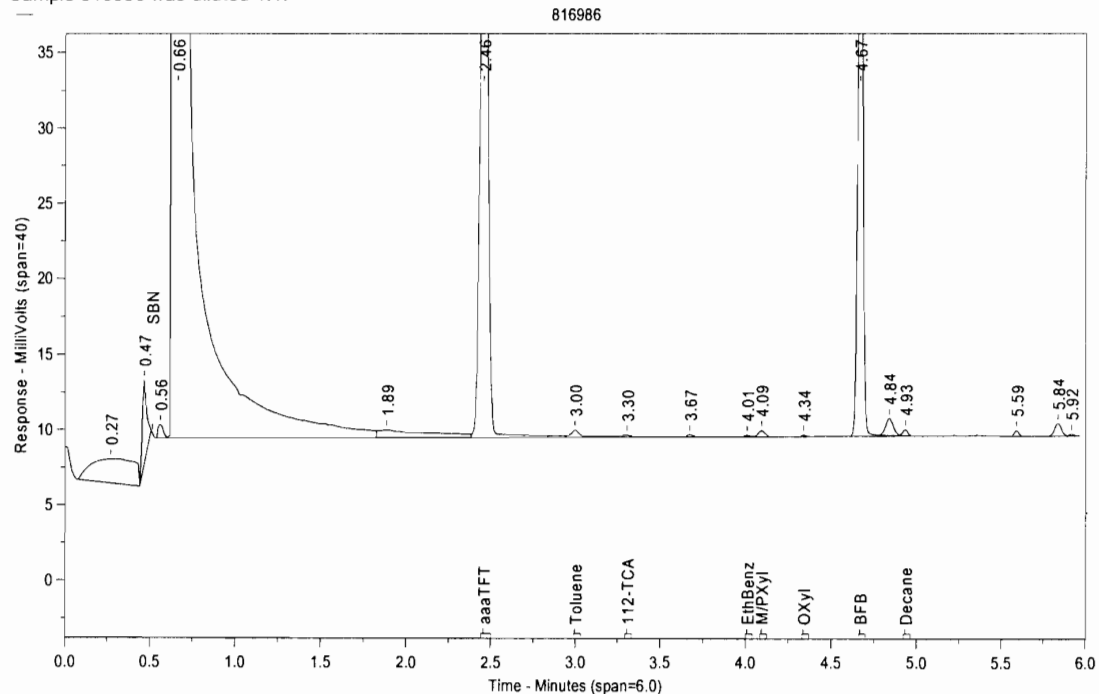
Chrom Perfect Chromatogram Report

Sample Name: 816986

Data File: C:\CPSpirit5\Data2\VoaF010910.0025.RAW

Acquired from Instrument 1 on 1/9/10 3:35:13 PM by

Sample 816986 was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1607.39	4.01	EthBenz	0	136.28
0.47		0	5716.92	4.09	M/PyXyl	1	434.55
0.56		0	920.65	4.34	OXyl	0	93.43
0.66		0	969541.38	4.67	BFB	424	44440.77
1.89		0	528.25	4.84		0	1115.89
2.46	aaaTFT	434	54100.02	4.93	Decane	1	410.07
3.00	Toluene	2	503.02	5.59		0	388.29
3.30	112-TCA	2	142.17	5.84		0	836.09
3.67		0	163.31	5.92		0	131.39

Surrogate aaaTFT recovery is 108.4%

Surrogate BFB recovery is 106.1%



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.: 135376

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	VBLKMC	61*	81	73	99	96	86	92
02	SB03 193	87	92	78	93	93	84	95
03	VBLKMD	97	100	85	108	102	99	101
04	TRIP BLANK	100	105	87	95	103	94	102
05	B03211-212	97	102	87	104	103	97	104
06	SB03221-222	98	105	86	102	103	97	103
07	SB03231-232	103	109	90	110	109	103	105
08	SB03 DUP	104	109	90	109	109	103	104
09	B03201-202	99	103	85	110	104	98	102
10	SB03 EQUIP	97	103	86	107	103	97	101
11	VHBLK01	99	104	86	111	107	101	102
12	VBLKMH	91	98	81	91	96	91	96
13	B03201-202DL	91	96	80	103	97	91	98
14	B03211-212DL	92	98	83	102	99	96	101
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VDMC1 (VCL) = Vinyl chloride-d3
VDMC2 (CLA) = Chloroethane-d5
VDMC3 (DCE) = 1,1-Dichloroethene-d2
VDMC4 (BUT) = 2-Butanone-d5
VDMC5 (CLF) = Chloroform-d
VDMC6 (DCA) = 1,2-Dichloroethane-d4
VDMC7 (BEN) = Benzene-d6

QC LIMITS
(65-131)
(71-131)
(55-104)
(49-155)
(78-121)
(78-129)
(77-124)

Column to be used to flag recovery values
* Values outside of contract required QC limits
Page 1 of 2

SOM01.2

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.: 135376

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (TCA) #	VDMC13 (DCZ) #	VDMC14 () #	TOT OUT
01	VBLKMC	82	93	90	95	93	96		1
02	SB03 193	88	95	95	98	94	94		0
03	VBLKMD	94	101	102	105	102	100		0
04	TRIP BLANK	93	103	97	94	95	100		0
05	B03211-212	95	102	94	108	100	100		0
06	SB03221-222	95	103	96	104	100	101		0
07	SB03231-232	96	105	97	106	107	106		0
08	SB03 DUP	96	104	95	109	107	103		0
09	B03201-202	95	101	104	112	104	99		0
10	SB03 EQUIP	94	101	99	107	99	99		0
11	VHBLK01	95	100	93	104	103	102		0
12	VBLKMH	89	96	94	98	96	99		0
13	B03201-202DL	91	97	98	103	98	100		0
14	B03211-212DL	93	99	102	108	104	100		0
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QC LIMITS

VDMC8 (DPA) = 1,2-Dichloropropane-d6
VDMC9 (TOL) = Toluene-d8
VDMC10 (TDP) = trans-1,3-Dichloropropene-d4
VDMC11 (HEX) = 2-Hexanone-d5
VDMC12 (TCA) = 1,1,2,2-Tetrachloroethane-d2
VDMC13 (DCZ) = 1,2-Dichlorobenzene-d4

(79-124)
(77-121)
(73-121)
(28-135)
(73-125)
(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
Page 2 of 2

SOM01.2

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBKMC

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Lab File ID: MAOB03

Lab Sample ID: VBKMC

Instrument ID: M.i

Matrix: (SOIL/SED/WATER) Water

Date Analyzed: 01/18/2010

Level: (TRACE or LOW/MED) TRACE

Time Analyzed: 1444

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	SB03 193	816974	816974	1747
02				
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07				
08				
09				
10				
11				
12				
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COMMENTS:

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VLKMD

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Lab File ID: MAOB03A

Lab Sample ID: VLKMD

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	TRIP BLANK	816981	816981I2	1124
02	B03211-212	816976	816976	1156
03	SB03221-222	816977	816977	1227
04	SB03231-232	816978	816978	1259
05	SB03 DUP	816979	816979	1331
06	B03201-202	816975	816975I2	1402
07	SB03 EQUIP	816980	816980I2	1434
08	VHBLK01	816987	816987	1537
09				
10				
11				
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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.: 135376

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	B03201-202DL	816975D1	816975D2	0300
02	B03211-212DL	816976D1	816976D2	0332
03				
04				
05				
06				
07				
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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.: 135376

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	VLKMC	VLKMC	MAOB03	01/18/2010	1444
07	SB03 193	816974	816974	01/18/2010	1747
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09					
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22					

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

EPA SAMPLE NO.

BFBMD

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STL

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Lab File ID: MA002PV

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	MA005AV	01/19/2010	0934
02	VBLKMD	VBLKMD	MA003A	01/19/2010	1037
03	TRIP BLANK	816981	816981I2	01/19/2010	1124
04	B03211-212	816976	816976	01/19/2010	1156
05	SB03221-222	816977	816977	01/19/2010	1227
06	SB03231-232	816978	816978	01/19/2010	1259
07	SB03 DUP	816979	816979	01/19/2010	1331
08	B03201-202	816975	816975I2	01/19/2010	1402
09	SB03 EQUIP	816980	816980I2	01/19/2010	1434
10	VHBLK01	816987	816987	01/19/2010	1537
11	VSTD005DM	VSTD005DM	MA005AC1	01/19/2010	1950
12					
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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.: 135376

Lab File ID: MA003PV

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	B03201-202DL	816975D1	816975D2	01/22/2010	0300
04	B03211-212DL	816976D1	816976D2	01/22/2010	0332
05	VSTD005HM	VSTD005HM	MAO05BC1	01/22/2010	0435
06					
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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.: 135376
GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 01/18/2010 01/18/2010
EPA Sample No.(VSTD#####): VSTD005MO Date Analyzed: 01/18/2010
Lab File ID (Standard): MA005V Time Analyzed: 1237
Instrument ID: M.i Heated Purge: (Y/N) N

	IS1 (CBZ)	RT #	IS2 (DFB)	RT #	IS3 (DCB)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	1388245	12.64	2059435	8.97	644057	15.47
UPPER LIMIT	1943543	12.97	2883209	9.30	901680	15.80
LOWER LIMIT	832947	12.31	1235661	8.64	386434	15.13
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLKMC	1477378	12.60	1951922	8.96	666299	15.38
02 SB03 193	1660285	12.60	2305582	8.96	751597	15.39
03						
04						
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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
Page 1 of 1

SOM01.2

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

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLTV Case No.: LASS Mod. Ref No.: SDG No.: 135376
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)	RT #	IS2 (DFB)	RT #	IS3 (DCB)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
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 TRIP BLANK	1425684	12.61	1931998	8.97	639388	15.39
03 B03211-212	1395319	12.60	1934130	8.97	630247	15.39
04 SB03221-222	1421175	12.61	1941356	8.97	649248	15.38
05 SB03231-232	1370267	12.60	1815429	8.97	624861	15.39
06 SB03 DUP	1375941	12.60	1811873	8.96	638085	15.39
07 B03201-202	1502952	12.60	2026317	8.96	698506	15.38
08 SB03 EQUIP	1482019	12.59	1977945	8.97	691003	15.38
09 VHBLK01	1476294	12.60	1944788	8.96	683418	15.39
10						
11						
12						
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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
Page 1 of 1

SOM01.2

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.: 135376
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): MAO005BV Time Analyzed: 1839
Instrument ID: M.i Heated Purge: (Y/N) N

	IS1 (CBZ)	RT #	IS2 (DFB)	RT #	IS3 (DCB)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
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 B03201-202DL	1447169	12.62	1973146	8.97	678537	15.40
03 B03211-212DL	1437666	12.61	1936253	8.97	681234	15.38
04						
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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
Page 1 of 1

SOM01.2



Supportive Documentation – SOM01.2 Volatiles – Trace

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

EPA SAMPLE NO.

B03201-202

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816975

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816975I2

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% 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	450	E
75-15-0	Carbon disulfide	0.49	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	2.0	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	1.1	
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.

B03201-202

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816975

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816975I2

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% 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	1.1	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	1.2	
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	1.2	
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	0.38	J
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.42	J
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.

B03201-202

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816975

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816975I2

Level: (TRACE or LOW/MED) TRACE

Date Received: 01/08/2010

% 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)

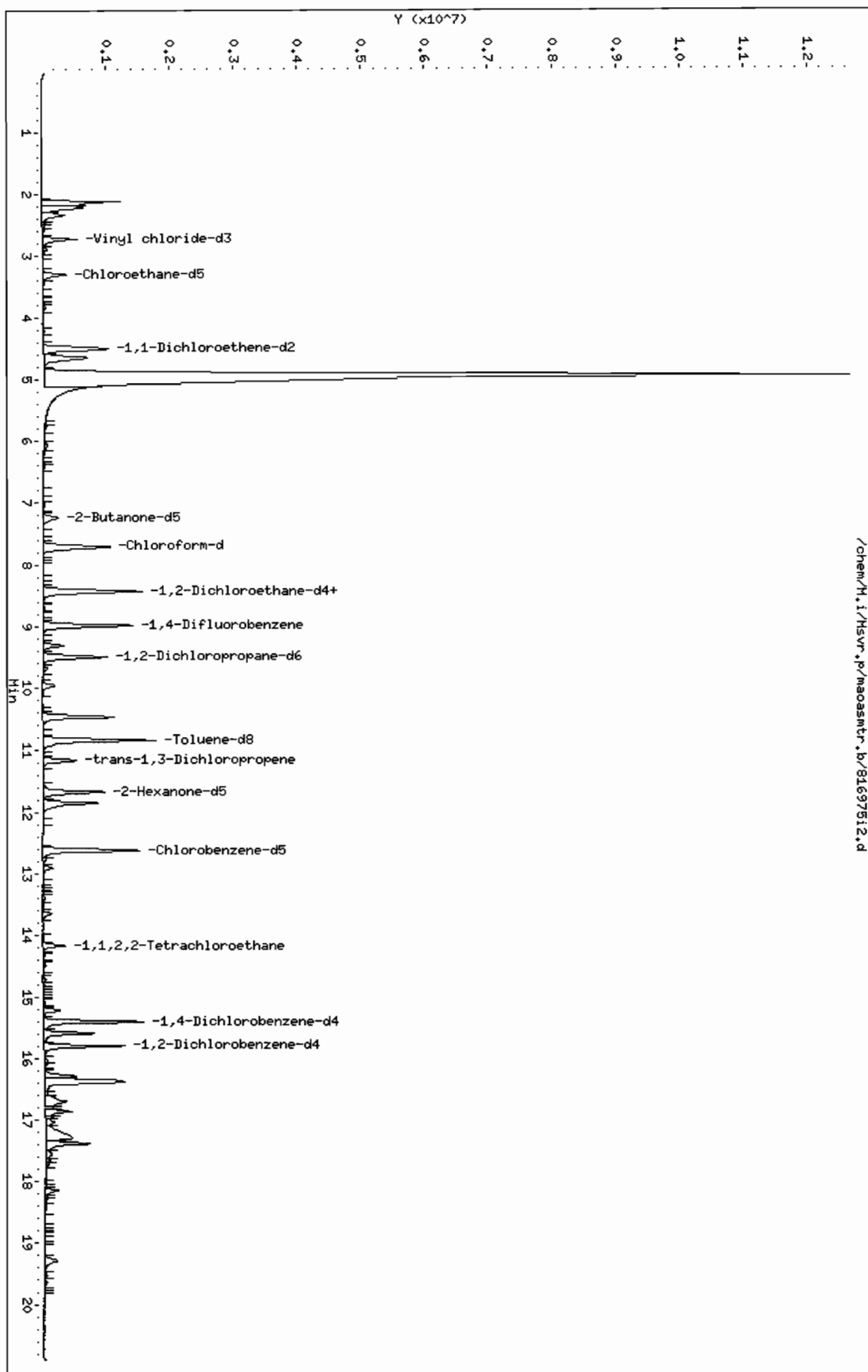
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	4.93	73	J
02		Unknown	10.46	3.8	JXB
03	66-25-1	Hexanal	11.83	3.4	NJ
04	124-13-0	Octanal	15.19	0.87	NJ
05		Unknown alcohol	15.57	2.7	J
06		Unknown	16.27	1.6	J
07		Unknown	16.36	6.6	J
08		Unknown	16.69	2.2	J
09		Unknown	17.03	0.65	J
10		Unknown	17.37	2.7	J
11		Unknown	18.13	0.81	J
12		Unknown	19.28	1.2	J
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796 (1)	Total Alkanes	N/A	5.4	J

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/masamtr.b/81697512.d
Date : 19-JAN-2010 14:02
Client ID: B03201-202
Sample Info: ISCO SB03 201-202 : [101/07/10 00945(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: HRV
Column diameter: 0.53



Data File: /chem/M.i/Msvr.p/maoasmtr.b/816975i2.d
Report Date: 27-Jan-2010 13:51

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/816975i2.d
Lab Smp Id: 816975 Client Smp ID: B03201-202
Inj Date : 19-JAN-2010 14:02
Operator : MRV Inst ID: M.i
Smp Info : ISCO SB03 201-202 : [] 01/07/10 @0945(WATER)
Misc Info : 816975,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 27-Jan-2010 13:47 jdl Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 13
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	2.724	2.720	(0.304)	932660	4.92705	4.9
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	3.298	3.294	(0.368)	762642	5.13418	5.1
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	4.484	4.480	(0.500)	1755728	4.27068	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	4.633	4.629	(0.517)	2281530	446.729	450 (A)
13 Carbon disulfide	76	4.850	4.856	(0.541)	217924	0.48717	0.49 (a)
14 Methyl acetate	43				Compound Not Detected.		

Compounds	QUANT SIG	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	7.234	7.229	(0.807)	734660	55.1283	55
20 cis-1,2-Dichloroethene	96		Compound Not Detected.				
21 2-Butanone	43	7.313	7.308	(0.816)	24820	1.95412	2.0 (a)
22 Bromochloromethane	128		Compound Not Detected.				
\$ 23 Chloroform-d	84	7.689	7.684	(0.858)	1424547	5.20721	5.2 (Q)
24 Chloroform	83	7.719	7.714	(0.861)	277555	1.06880	1.1
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	8.391	8.386	(0.936)	424043	4.88092	4.9 (Q)
\$ 29 Benzene-d6	84	8.411	8.396	(0.667)	2135695	5.12331	5.1
30 Benzene	78		Compound Not Detected.				
31 1,2-Dichloroethane	62		Compound Not Detected.				
* 32 1,4-Difluorobenzene	114	8.965	8.960	(1.000)	2026317	5.00000	
33 Trichloroethene	95	9.301	9.296	(0.738)	219156	1.13019	1.1
\$ 34 1,2-Dichloropropane-d6	67	9.479	9.484	(0.752)	1006235	4.76187	4.8
35 Methylcyclohexane	55		Compound Not Detected.				
36 1,2-Dichloropropane	63		Compound Not Detected.				
37 Bromodichloromethane	83	9.954	9.949	(0.790)	227638	1.17489	1.2
38 cis-1,3-Dichloropropene	75		Compound Not Detected.				
39 4-Methyl-2-pentanone	43		Compound Not Detected.				
\$ 40 Toluene-d8	98	10.824	10.829	(0.859)	2189353	5.06307	5.1
41 Toluene	91	10.913	10.908	(0.866)	110374	0.24373	0.24 (a)
\$ 42 trans-1,3-Dichloropropene-d4	79	11.150	11.145	(0.885)	541677	5.21131	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	11.654	11.649	(0.925)	787732	56.1412	56
47 2-Hexanone	43		Compound Not Detected.				
48 Dibromochloromethane	129	11.902	11.907	(0.944)	117355	1.18906	1.2
49 1,2-Dibromoethane	107		Compound Not Detected.				
* 50 Chlorobenzene-d5	117	12.604	12.599	(1.000)	1502952	5.00000	
51 Chlorobenzene	112		Compound Not Detected.				
52 Ethylbenzene	91		Compound Not Detected.				
53 m,p-Xylene	106	12.890	12.895	(1.023)	85474	0.38211	0.38 (a)
54 Styrene	104		Compound Not Detected.				
55 o-Xylene	106		Compound Not Detected.				
56 Bromoform	173	13.652	13.647	(0.888)	22256	0.42340	0.42 (a)
57 Isopropylbenzene	105		Compound Not Detected.				
\$ 58 1,1,1,2,2-Tetrachloroethane-d2	84	14.156	14.161	(1.123)	384487	5.19674	5.2
59 1,1,1,2,2-Tetrachloroethane	83		Compound Not Detected.				
60 1,3-Dichlorobenzene	146		Compound Not Detected.				
* 61 1,4-Dichlorobenzene-d4	152	15.382	15.387	(1.000)	698506	5.00000	
62 1,4-Dichlorobenzene	146		Compound Not Detected.				

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.778	15.783	(1.026)	528285	4.92878	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

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

Data File: /chem/M.i/Msvr.p/maoasmtr.b/816975i2.d
Report Date: 27-Jan-2010 13:51

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/816975i2.d
Lab Smp Id: 816975 Client Smp ID: B03201-202
Inj Date : 19-JAN-2010 14:02
Operator : MRV Inst ID: M.i
Smp Info : ISCO SB03 201-202 : [] 01/07/10 @0945(WATER)
Misc Info : 816975,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 27-Jan-2010 13:47 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 13
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	8.965	5264280	5.000
* 50 Chlorobenzene-d5	12.604	5195636	5.000
* 61 1,4-Dichlorobenzene-d4	15.382	4858838	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown				CAS #:			
4.929	76507950	72.6670546	73	0		0	32

Data File: /chem/M.i/Msvr.p/maoasmtr.b/816975i2.d
Report Date: 27-Jan-2010 13:51

Page 5

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL (ug/L)	FINAL (ug/L)		LIBRARY	LIB ENTRY	
====	====	=====	=====	====	=====	=====	=====
Unknown					CAS #:		
10.458	3957570	3.75888950	3.8	0		0	32
Hexanal					CAS #: 66-25-1		
11.832	3583446	3.44851478	3.4	91	NIST05.1	3684	50
Octanal					CAS #: 124-13-0		
15.194	848756	0.87341475	0.87	87	NIST05.1	12032	61
Unknown alcohol					CAS #:		
15.570	2626360	2.70266270	2.7	0		0	61
Unknown					CAS #:		
16.272	1508620	1.55244921	1.6	0		0	61
Unknown					CAS #:		
16.361	6445337	6.63259027	6.6	0		0	61
Unknown					CAS #:		
16.688	2155500	2.21812252	2.2	0		0	61
Unknown alkane					CAS #:		
16.856	1546968	1.59191144	1.6	0		0	61
Unknown					CAS #:		
17.034	630305	0.64861665	0.65	0		0	61
Unknown alkane					CAS #:		
17.281	3723328	3.83149966	3.8	0		0	61
Unknown					CAS #:		
17.370	2600814	2.67637461	2.7	0		0	61
Unknown					CAS #:		
18.131	786456	0.80930413	0.81	0		0	61
Unknown					CAS #:		
19.278	1180383	1.21467565	1.2	0		0	61

Data File: /chem/M.i/Hsvr.p/maoasnr.b/816975i2.d

Page 7

Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

Purge Volume: 25.0

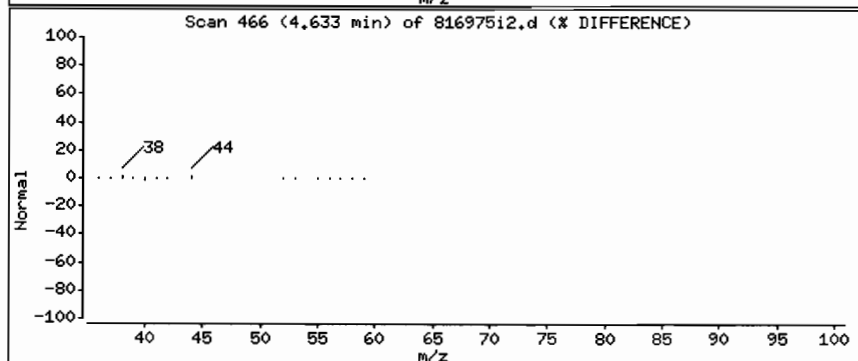
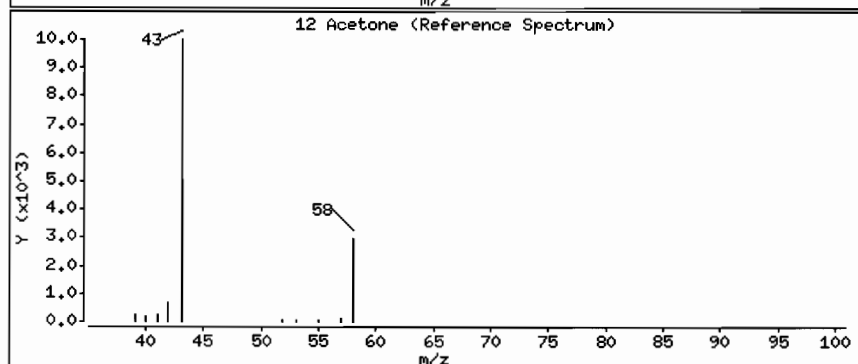
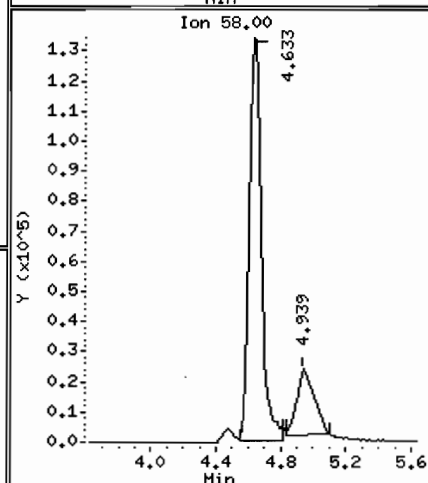
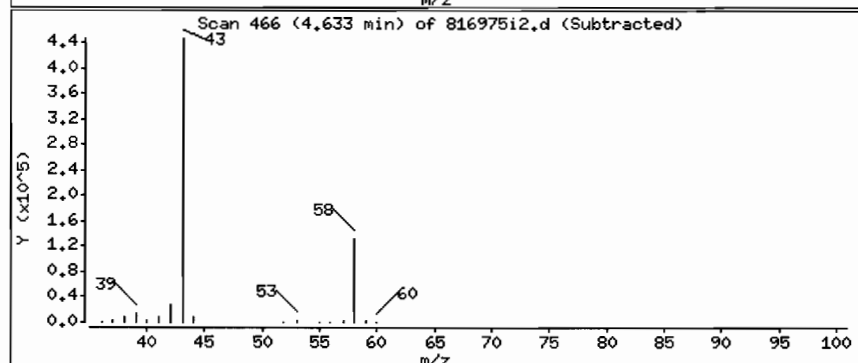
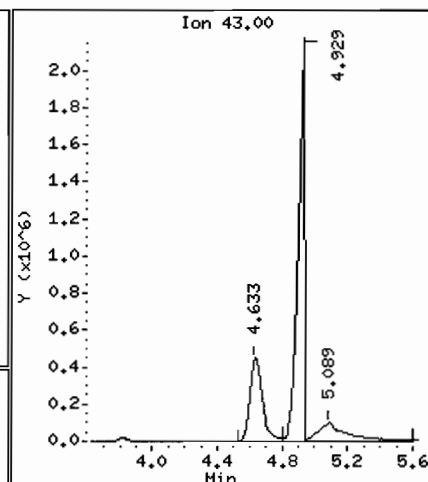
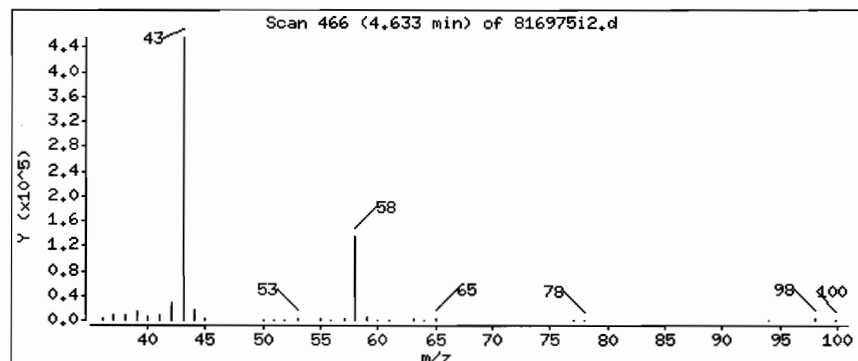
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 450 ug/L



Data File: /chem/M.i/Hsvr.p/maoasmtr.b/816975i2.d

Page 8

Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

Purge Volume: 25.0

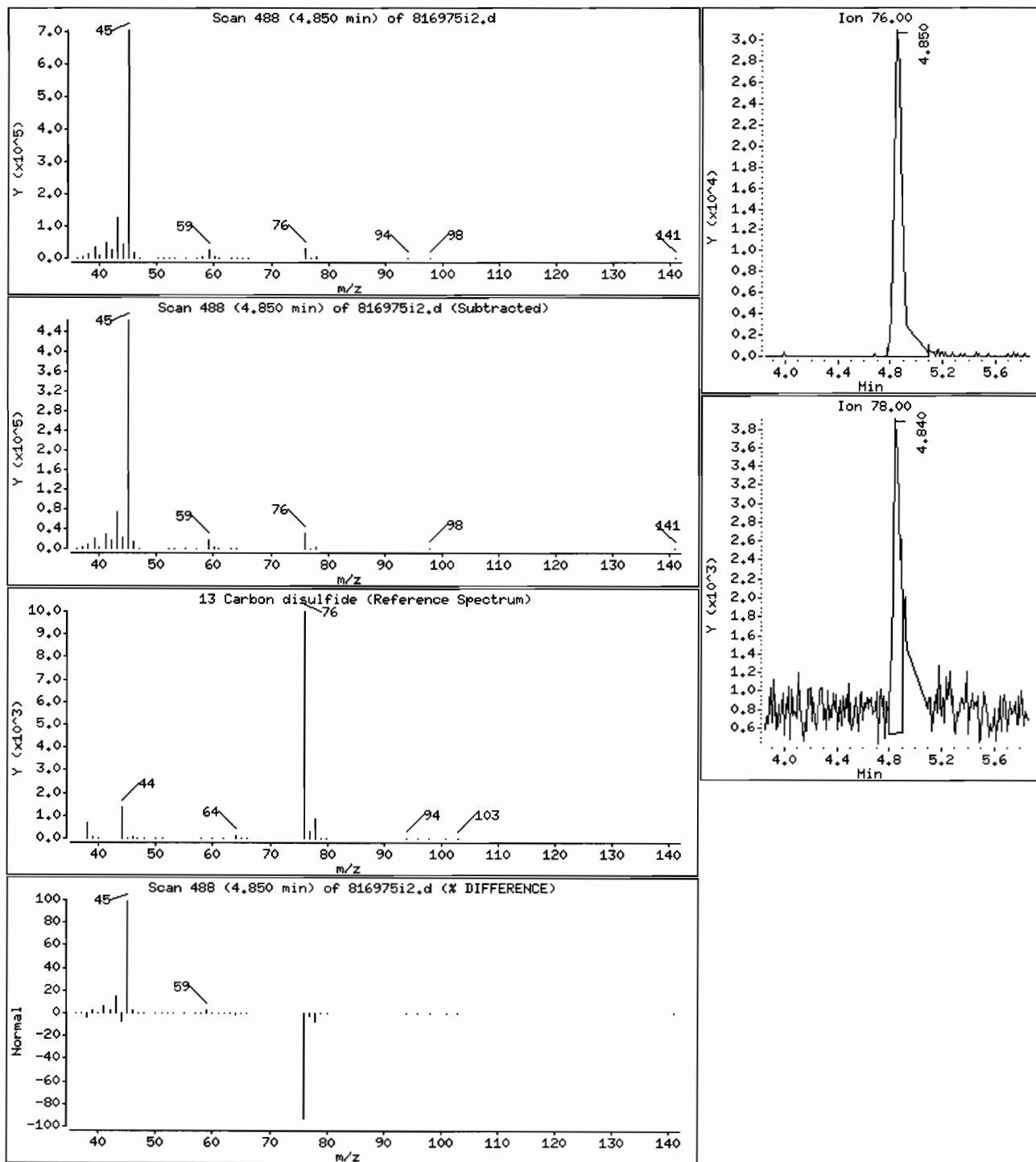
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

13 Carbon disulfide

Concentration: 0.49 ug/L



Data File: /chem/M.i/Msvr.p/macosmtr.b/816975i2.d

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Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

Purge Volume: 25.0

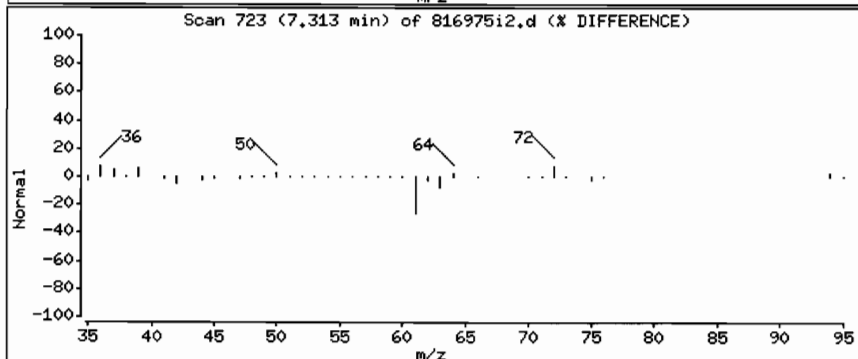
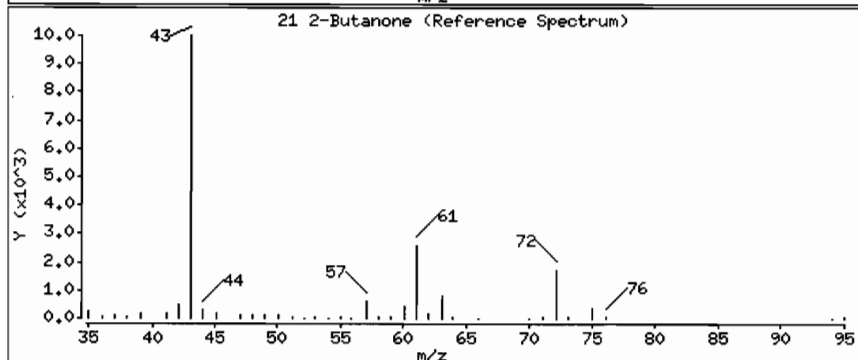
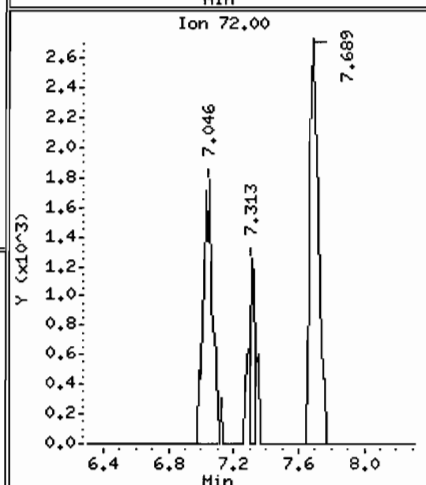
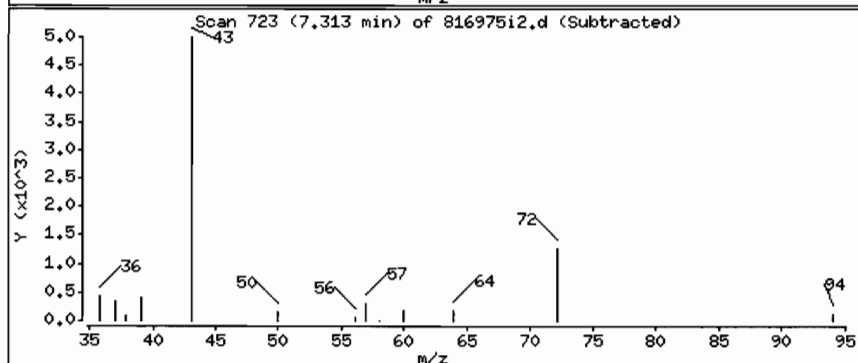
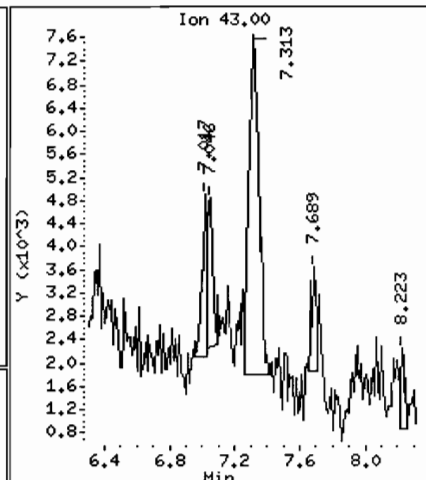
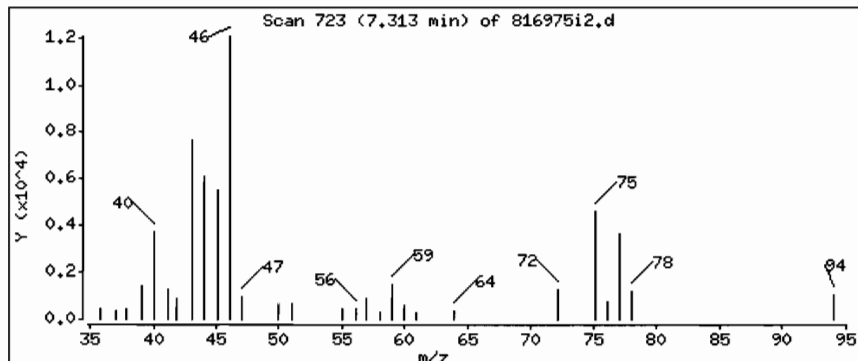
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 2.0 ug/L



Data File: /chem/M.i/Hsvr.p/maoasmtr.b/816975i2.d

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Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

Purge Volume: 25.0

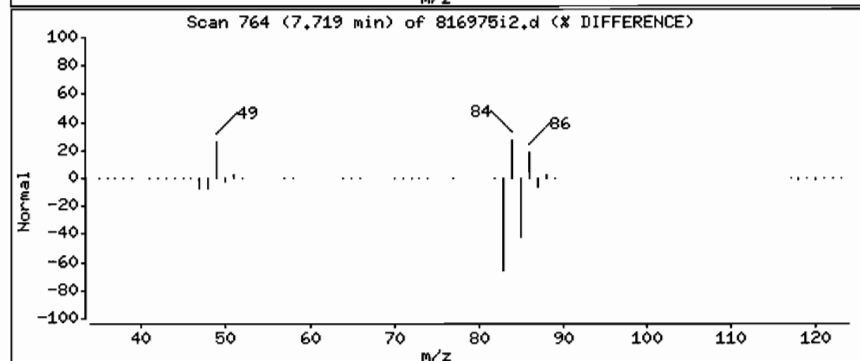
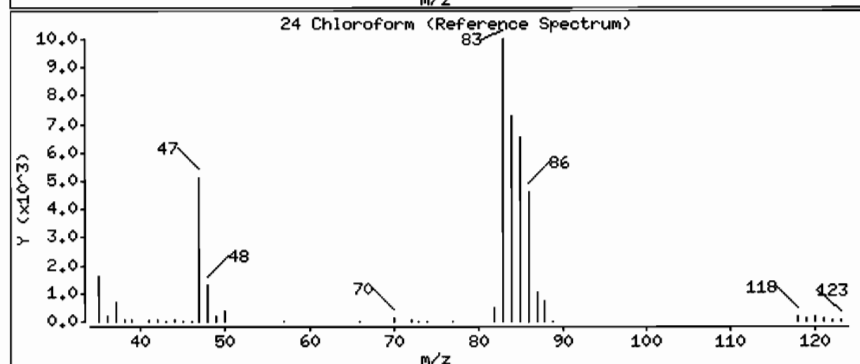
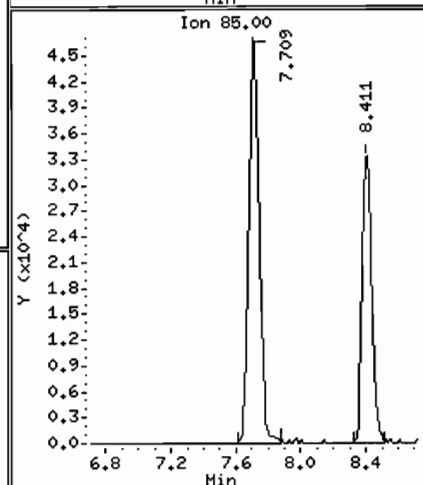
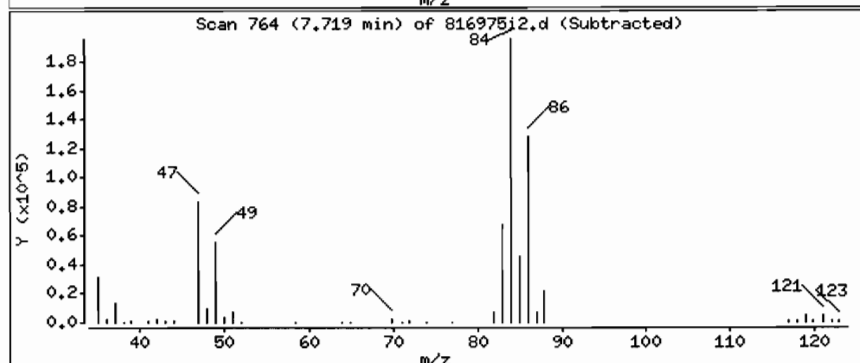
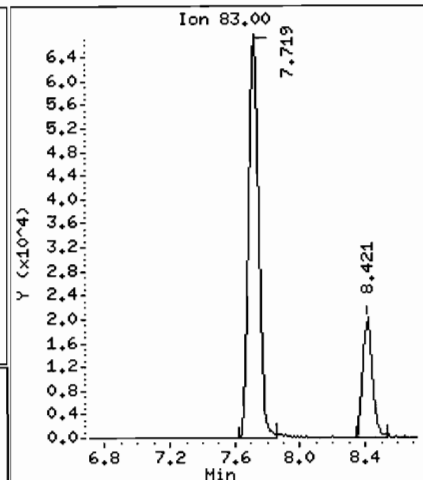
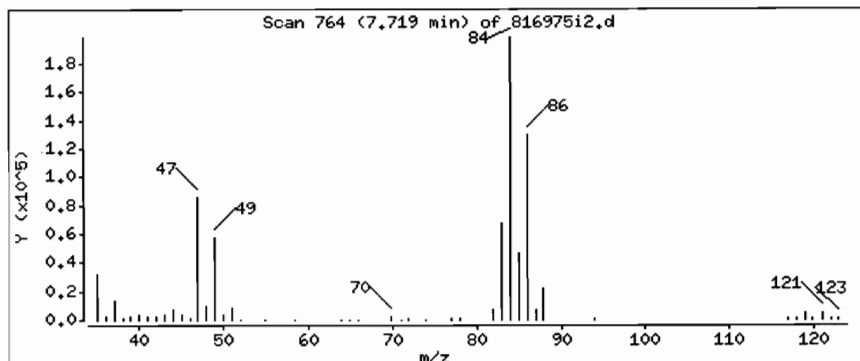
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

24 Chloroform

Concentration: 1.1 ug/L



Data File: /chem/M.i/Hsvr.p/maoasmr.b/816975i2.d

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Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

Purge Volume: 25.0

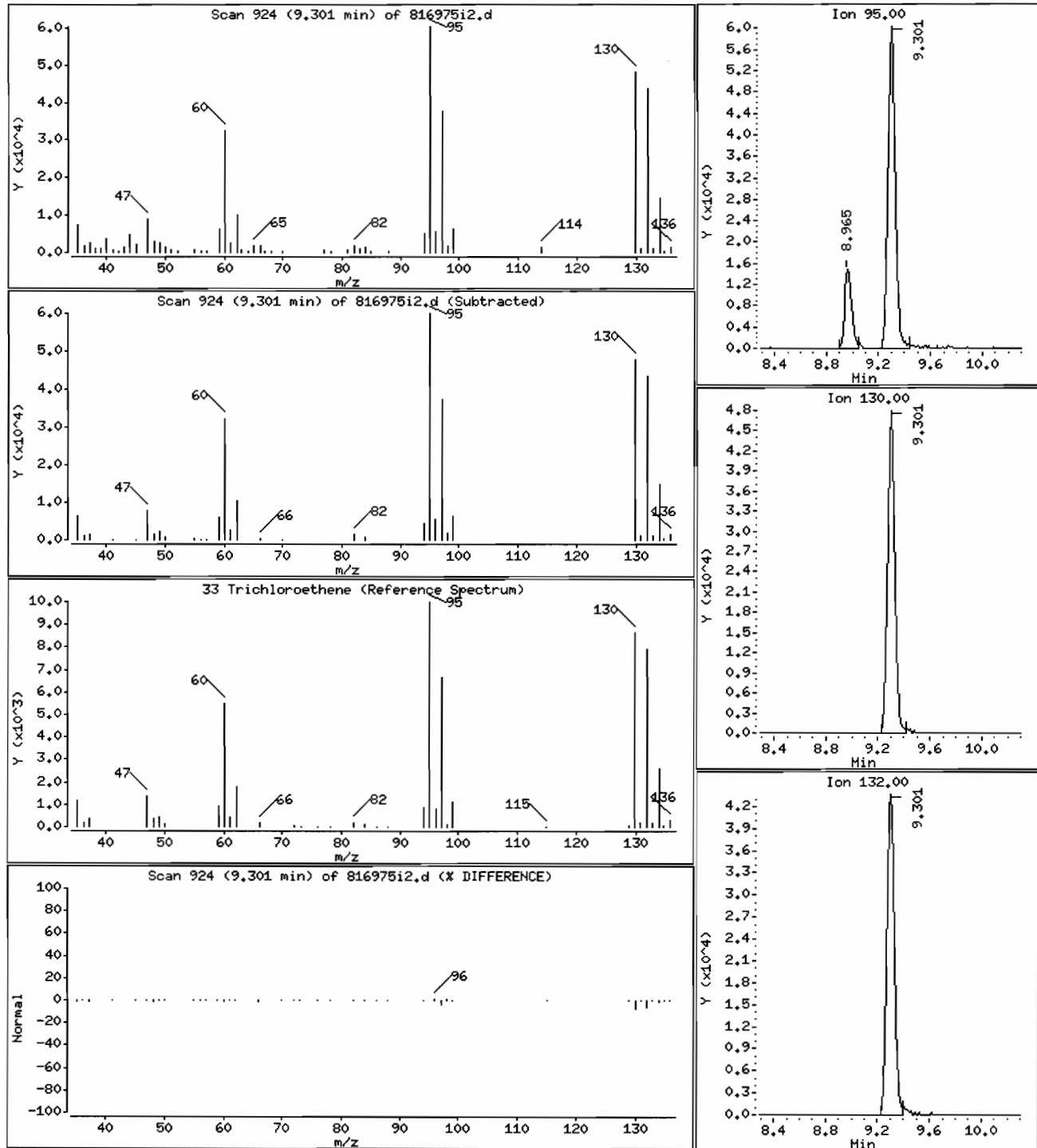
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 1.1 ug/L



Data File: /chem/M.I/Msvr.p/maoasmr.b/816975i2.d

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Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 ;[101/07/10 @0945(WATER)

Purge Volume: 25.0

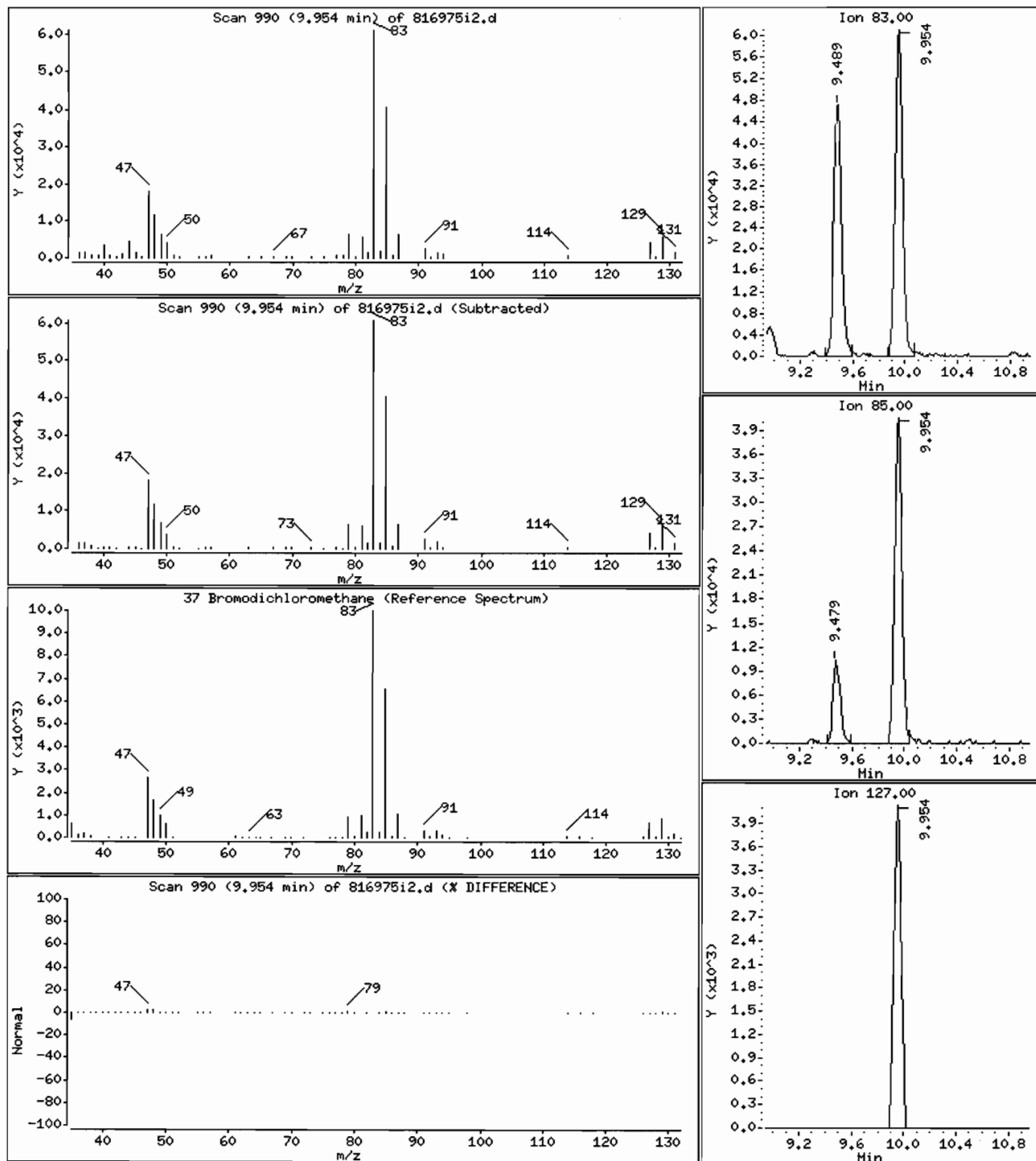
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

37 Bromodichloromethane

Concentration: 1.2 ug/L



Data File: /chem/M.i/Hsvr.p/maoasnr.b/816975i2.d

Page 13

Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

Purge Volume: 25.0

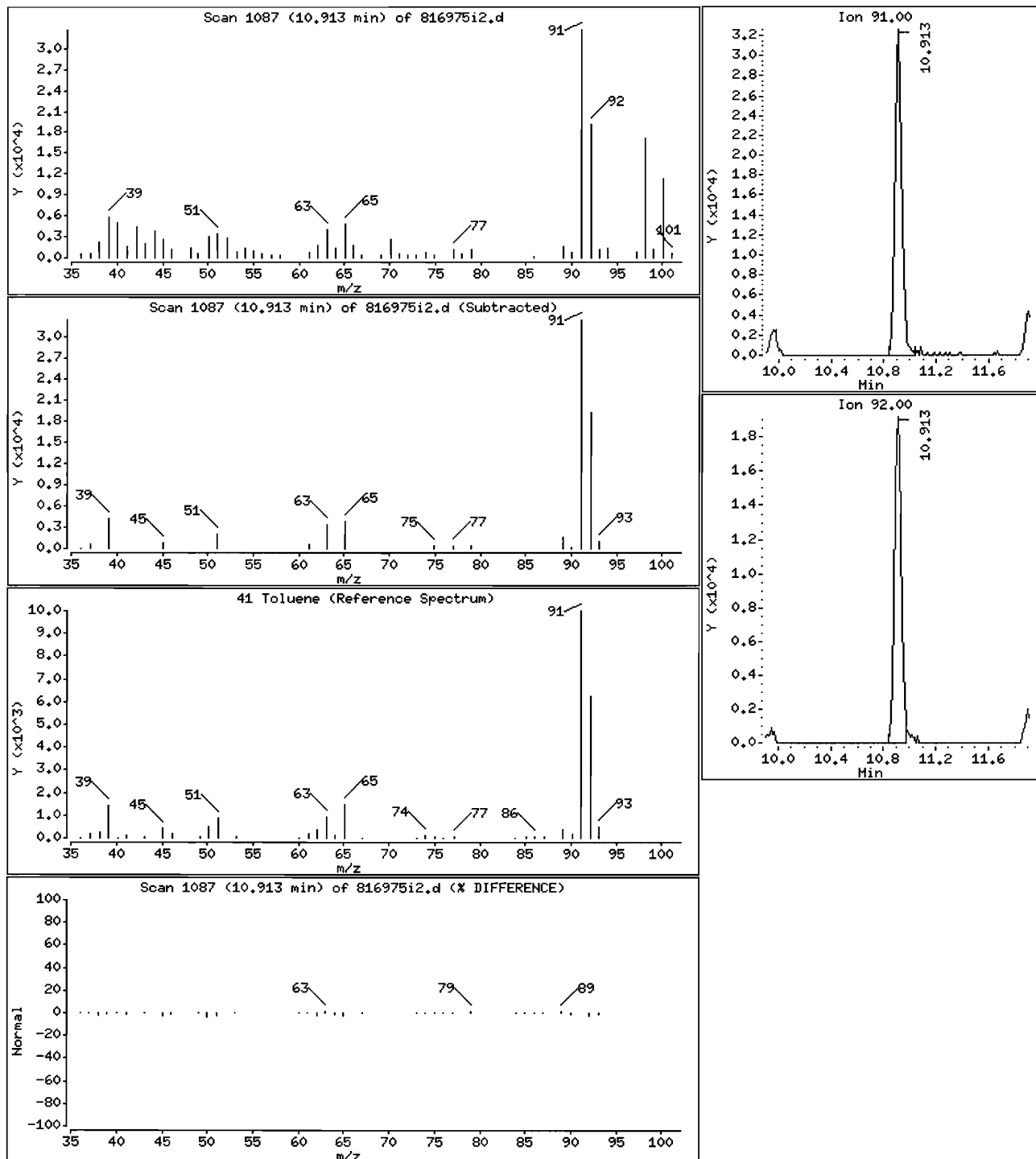
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

41 Toluene

Concentration: 0.24 ug/L



Data File: /chem/M.i/Hsvr.p/maoasnr.b/816975i2.d

Page 14

Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 ;[101/07/10 @0945(WATER)

Purge Volume: 25.0

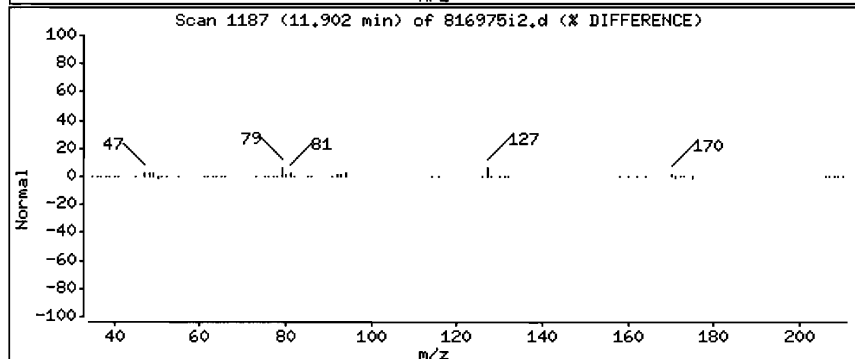
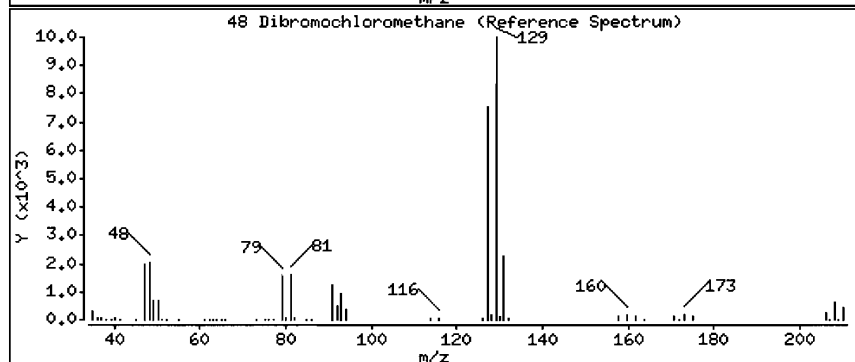
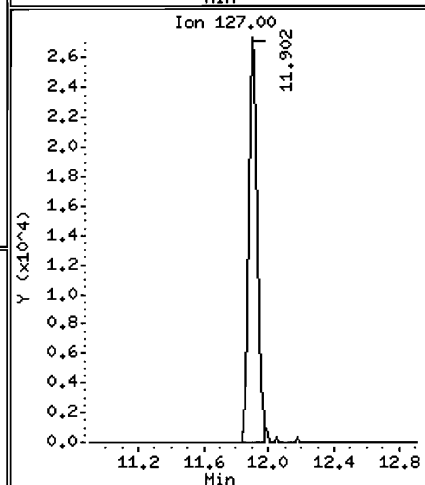
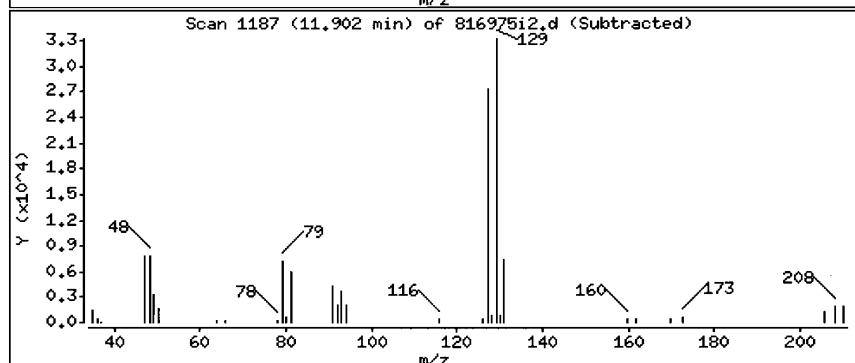
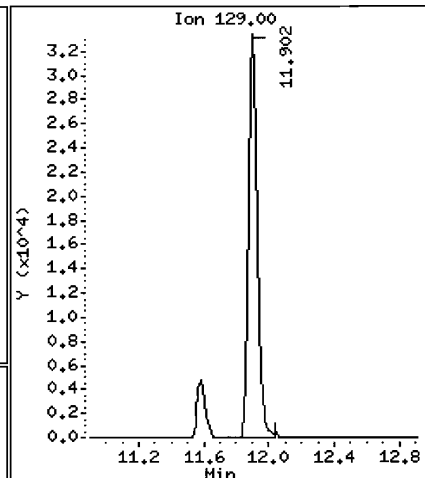
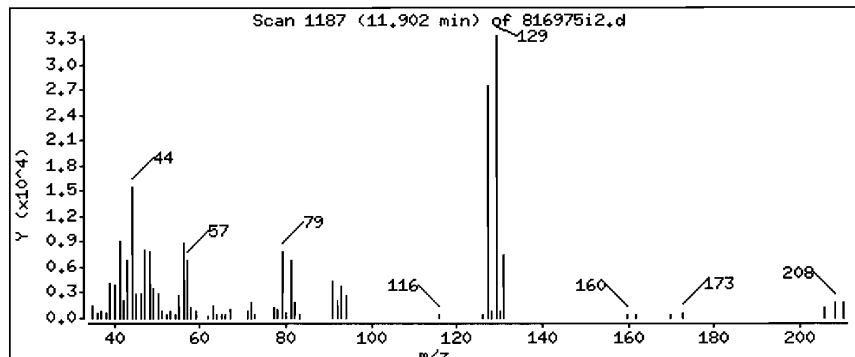
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

48 Dibromochloromethane

Concentration: 1.2 ug/L



Data File: /chem/M.i/Hsvr.p/maoasmtr.b/816975i2.d

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Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

Purge Volume: 25.0

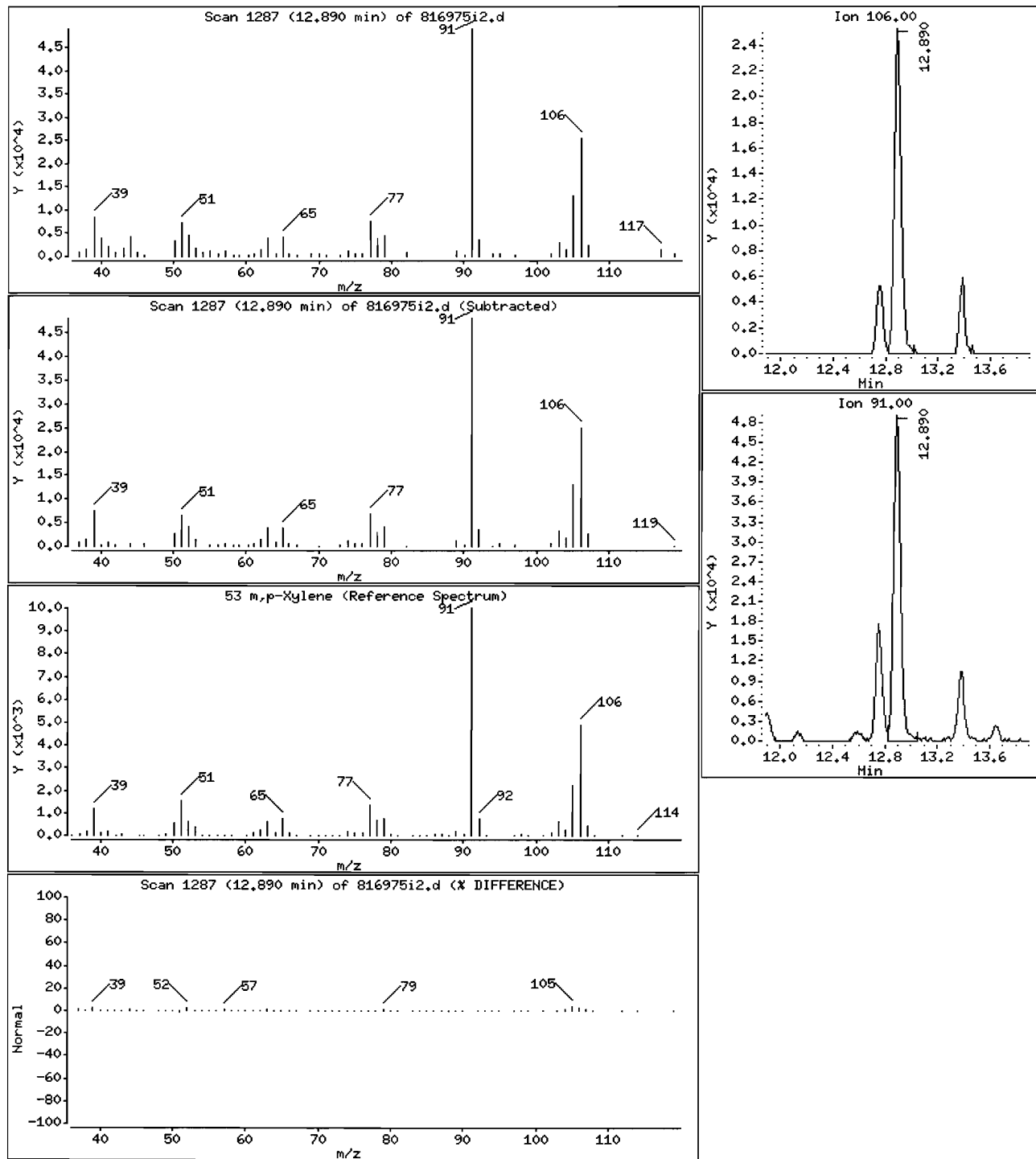
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

53 m,p-Xylene

Concentration: 0.38 ug/L



Data File: /chem/M.i/Hsvr.p/maoasmt.b/816975i2.d

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Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

Purge Volume: 25.0

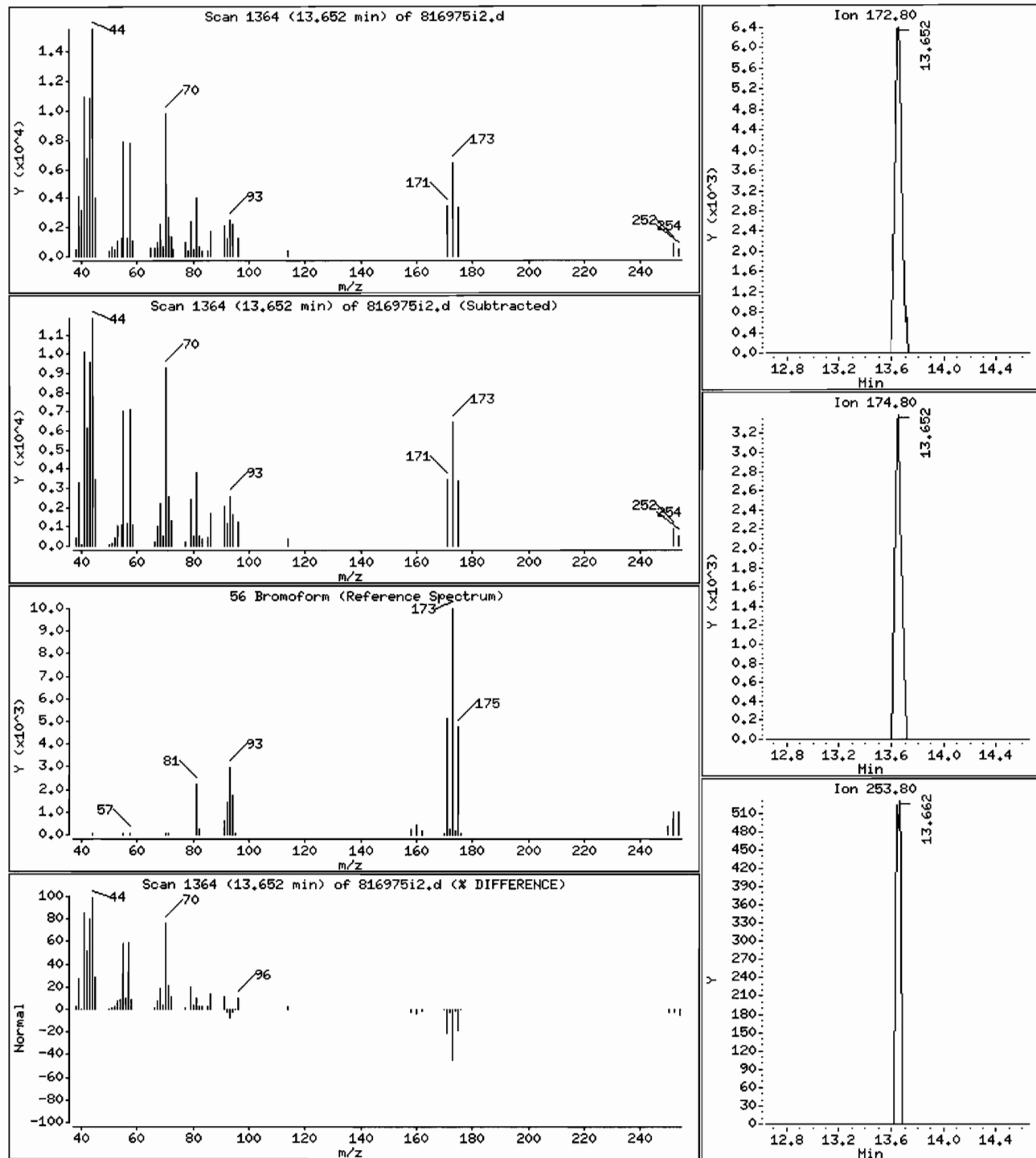
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

56 Bromoform

Concentration: 0.42 ug/L



Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

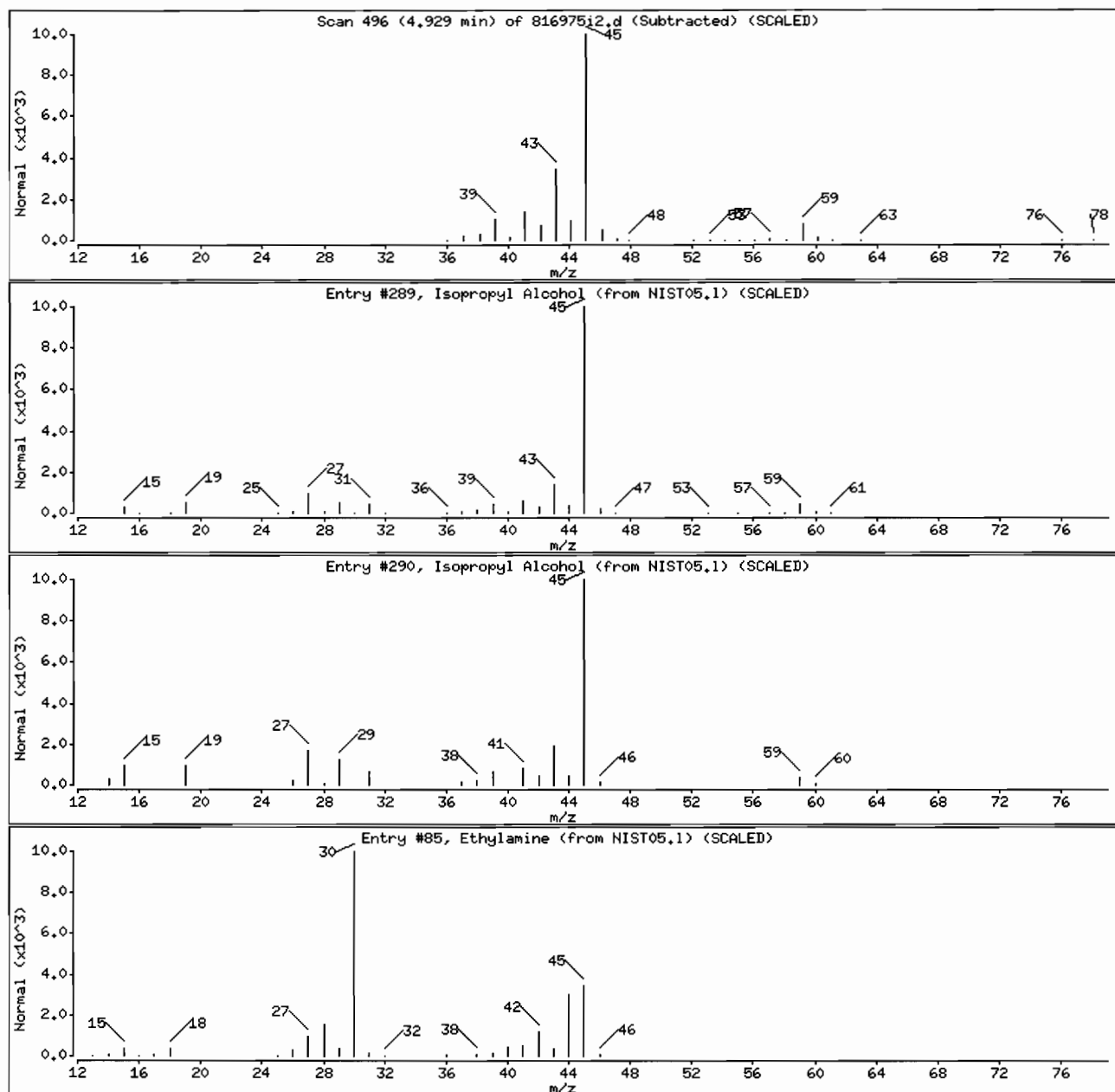
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Isopropyl Alcohol	67-63-0	NIST05.1	289	10	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	290	9	C3H8O	60
Ethylamine	75-04-7	NIST05.1	85	7	C2H7N	45



Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

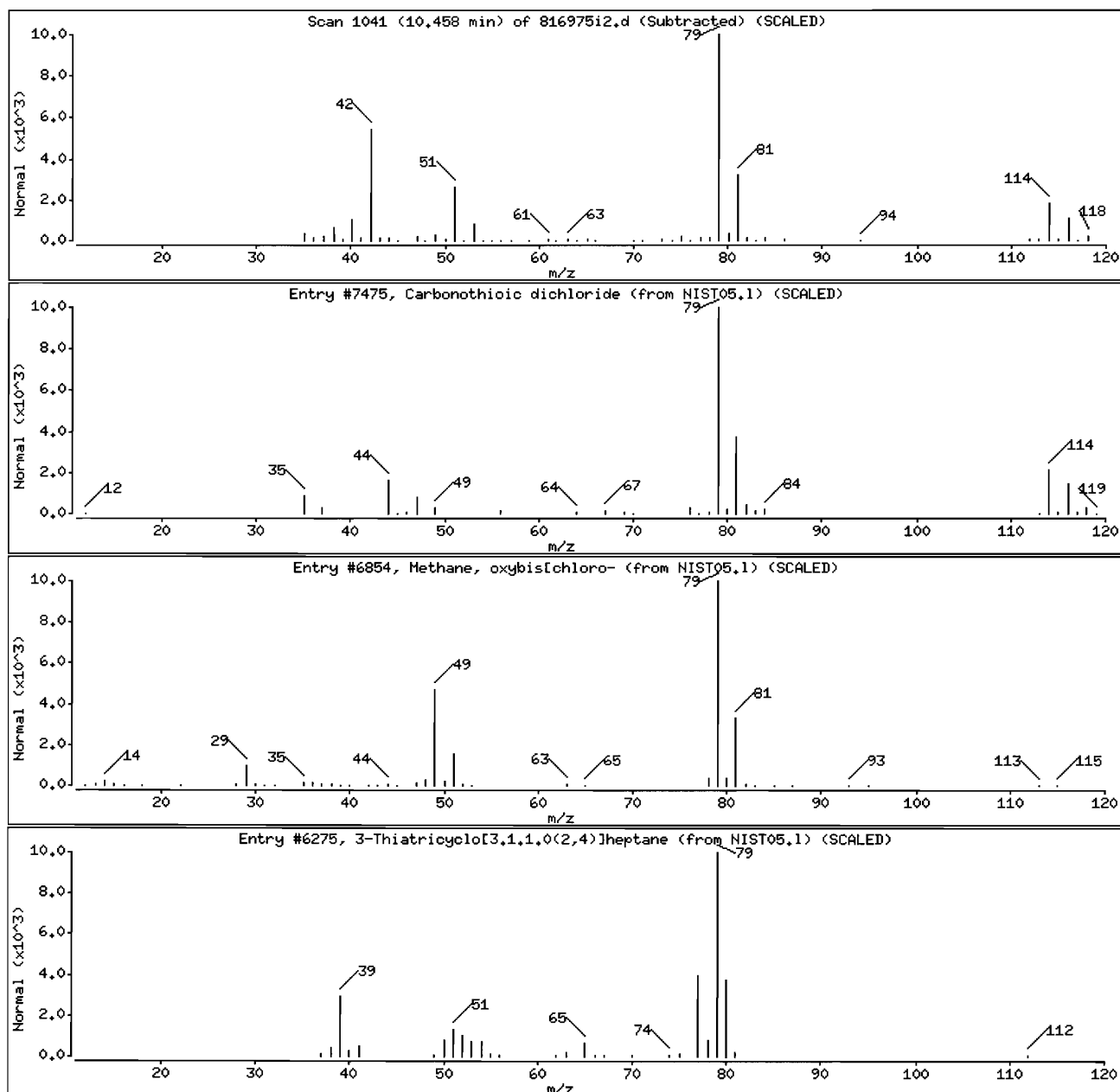
Purge Volume: 25.0

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	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



Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

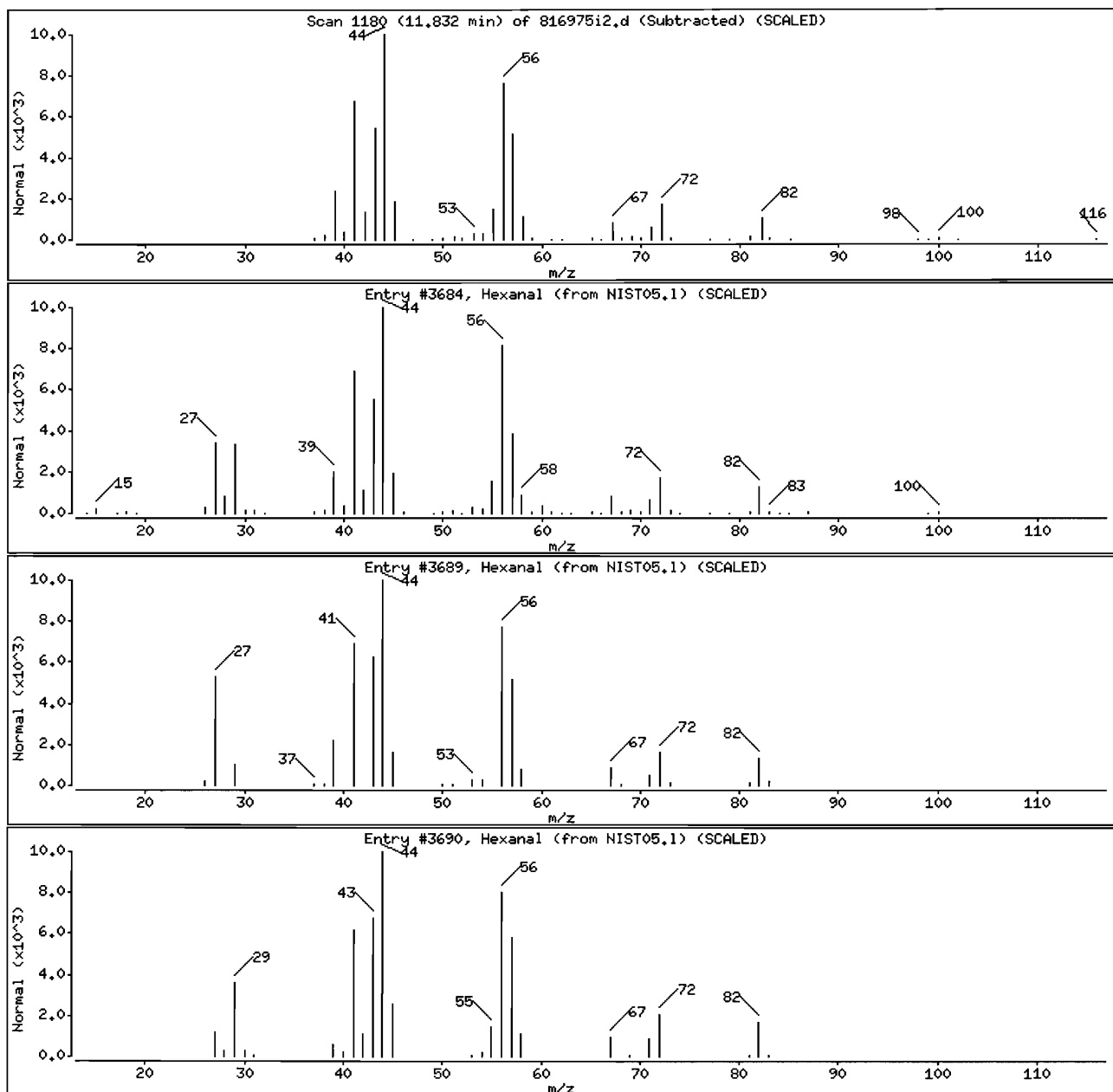
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	NIST05.1	3684	91	C6H12O	100
Hexanal	66-25-1	NIST05.1	3689	90	C6H12O	100
Hexanal	66-25-1	NIST05.1	3690	83	C6H12O	100



Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

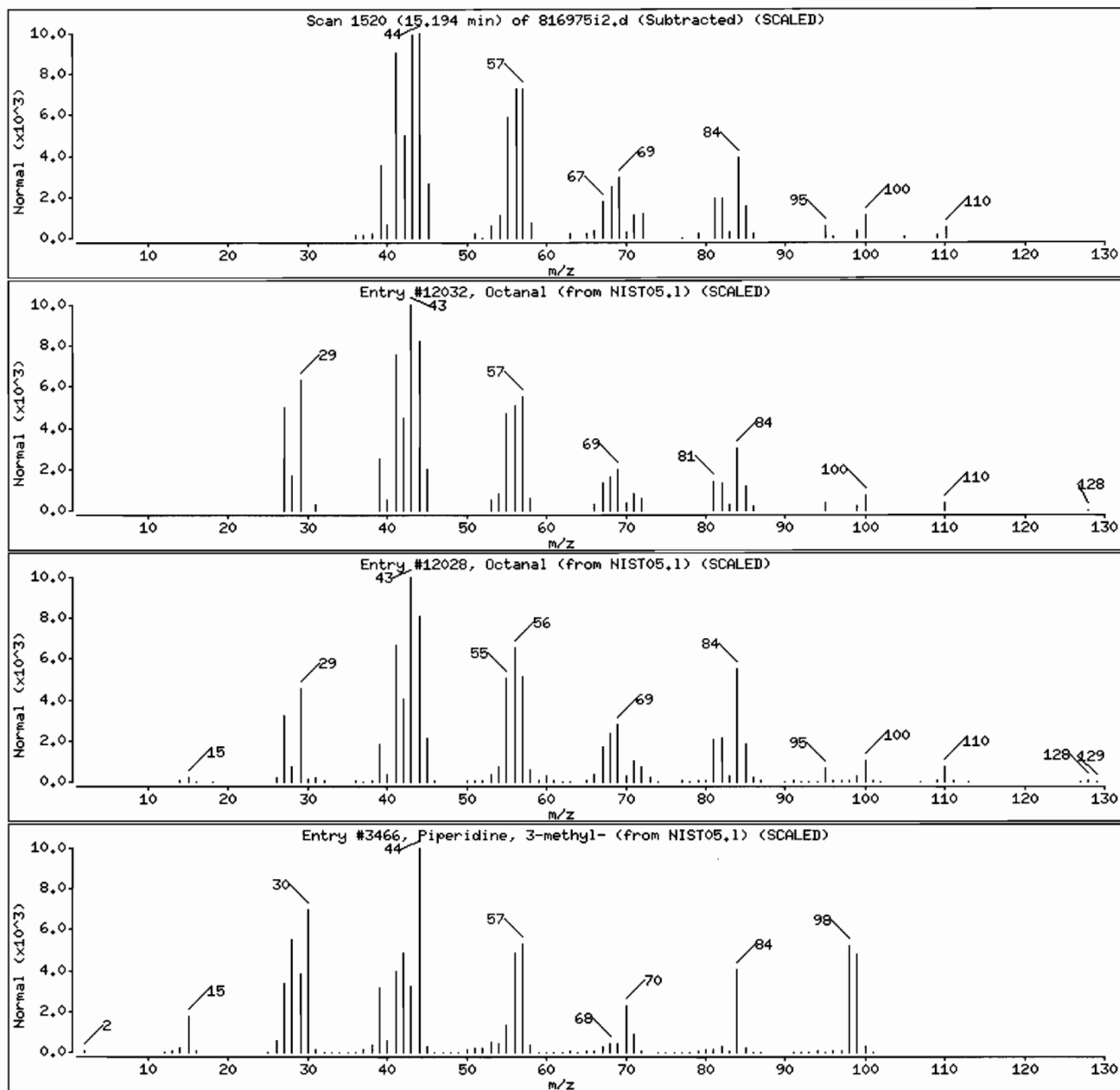
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Octanal	124-13-0	NIST05.1	12032	87	C8H16O	128
Octanal	124-13-0	NIST05.1	12028	83	C8H16O	128
Piperidine, 3-methyl-	626-56-2	NIST05.1	3466	53	C6H13N	99



Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 ;[101/07/10 @0945(WATER)

Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match

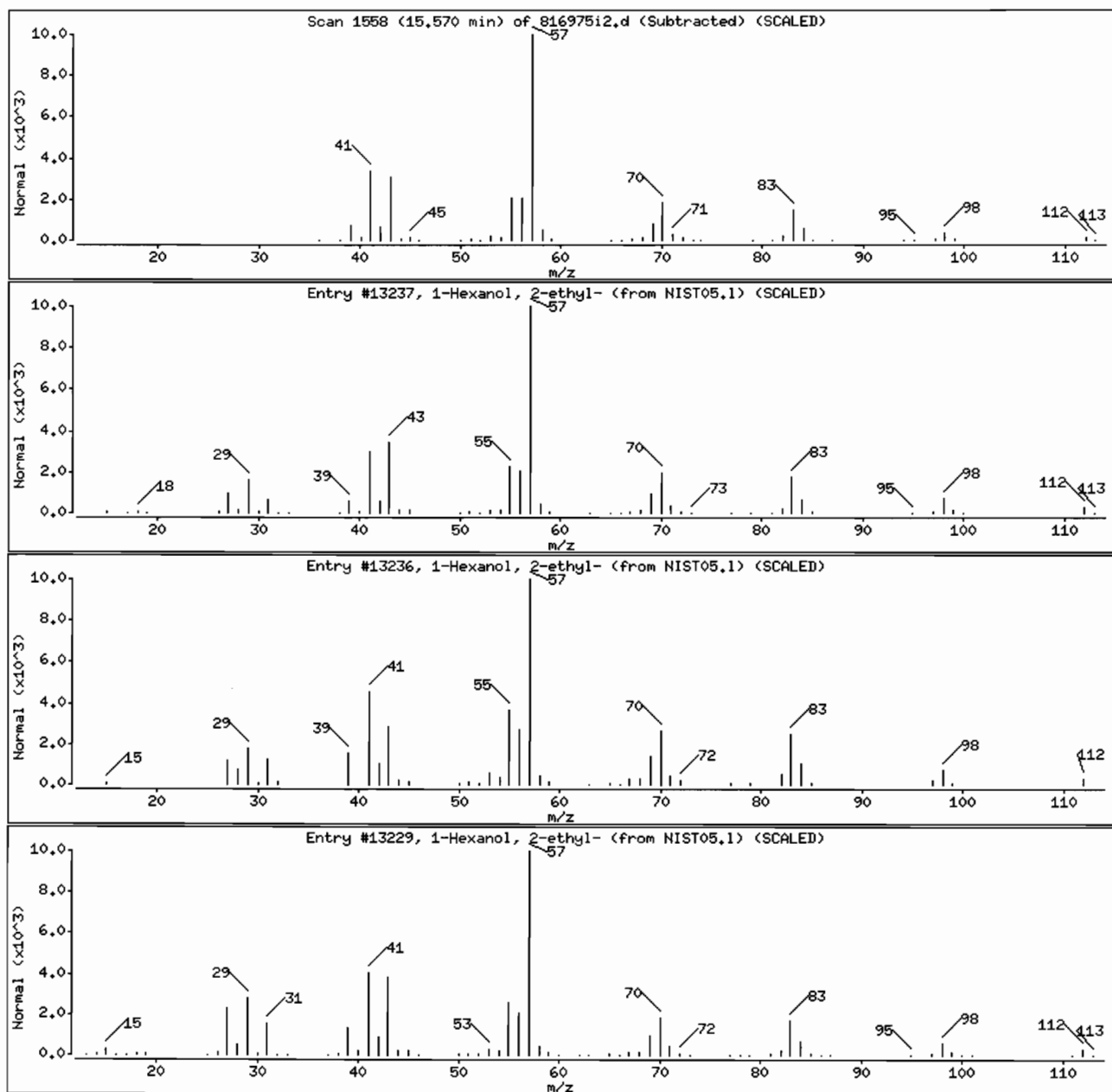
Unknown alcohol

1-Hexanol, 2-ethyl-

1-Hexanol, 2-ethyl-

1-Hexanol, 2-ethyl-

CAS Number	Library	Entry	Quality	Formula	Weight
104-76-7	NIST05.1	13237	83	C8H18O	130
104-76-7	NIST05.1	13236	53	C8H18O	130
104-76-7	NIST05.1	13229	53	C8H18O	130



Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

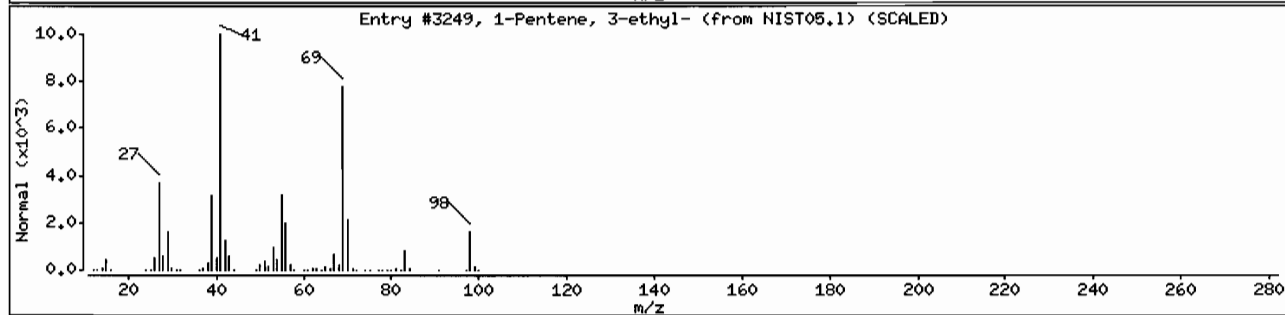
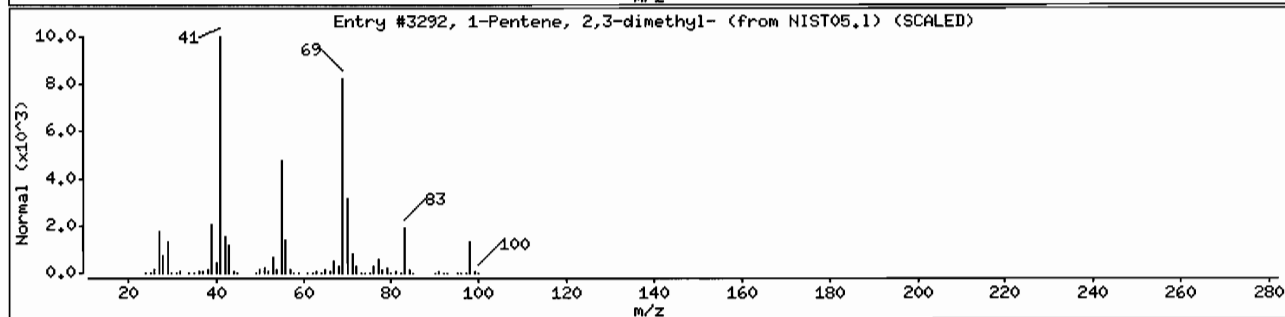
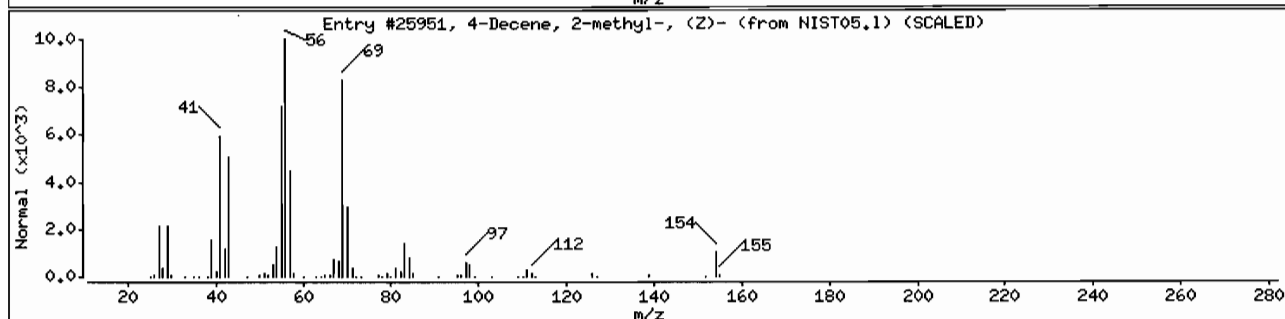
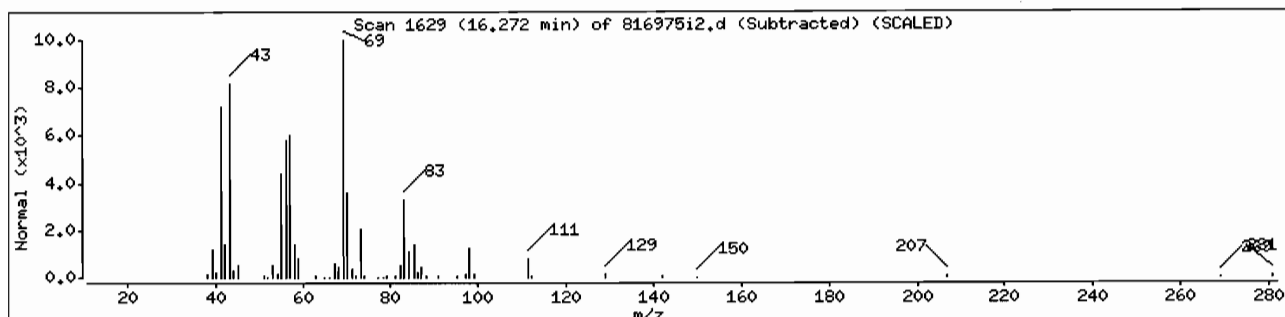
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
4-Decene, 2-methyl-, (Z)-	55499-07-5	NIST05.1	25951	59	C11H22	154
1-Pentene, 2,3-dimethyl-	3404-72-6	NIST05.1	3292	49	C7H14	98
1-Pentene, 3-ethyl-	4038-04-4	NIST05.1	3249	49	C7H14	98



Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

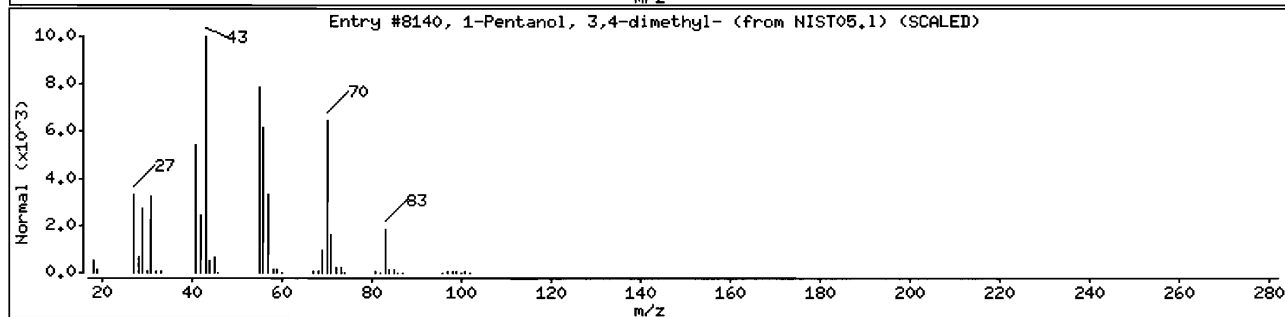
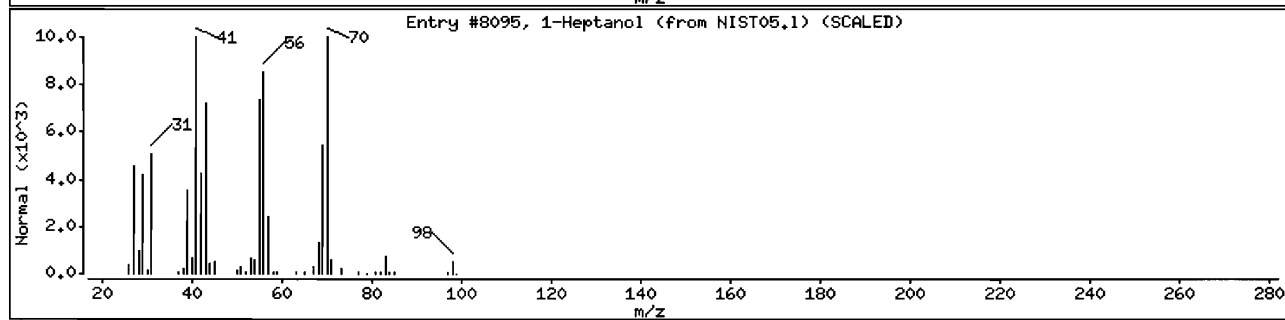
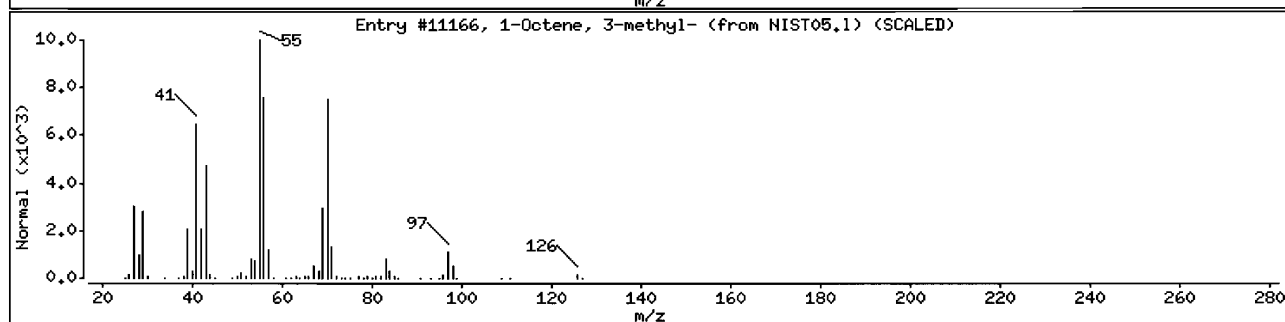
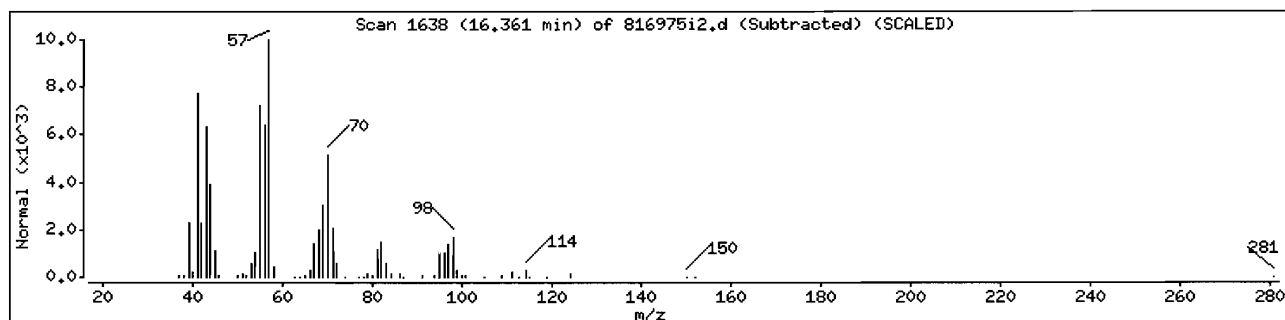
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Octene, 3-methyl-	13151-08-1	NIST05.1	11166	38	C ₉ H ₁₈	126
1-Heptanol	111-70-6	NIST05.1	8095	35	C ₇ H ₁₆ O	116
1-Pentanol, 3,4-dimethyl-	6570-87-2	NIST05.1	8140	27	C ₇ H ₁₆ O	116



Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

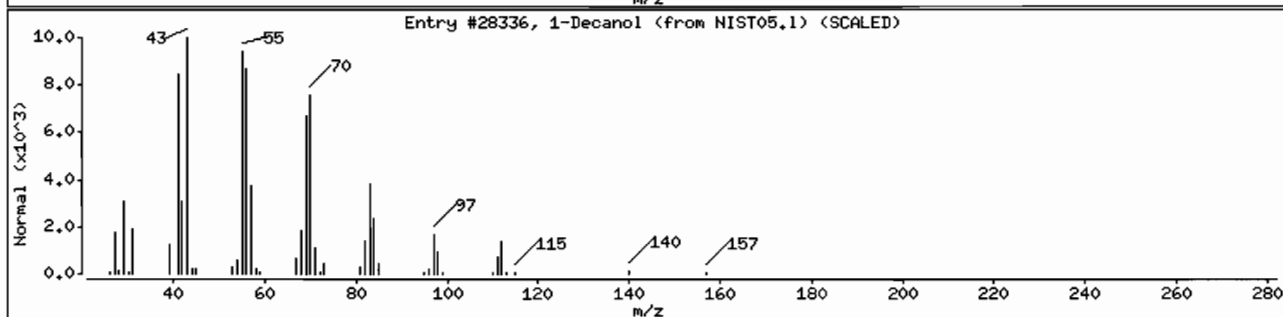
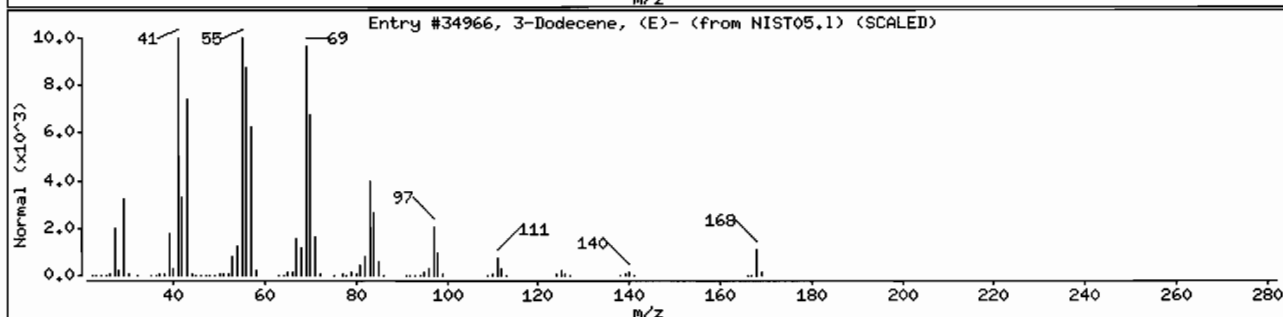
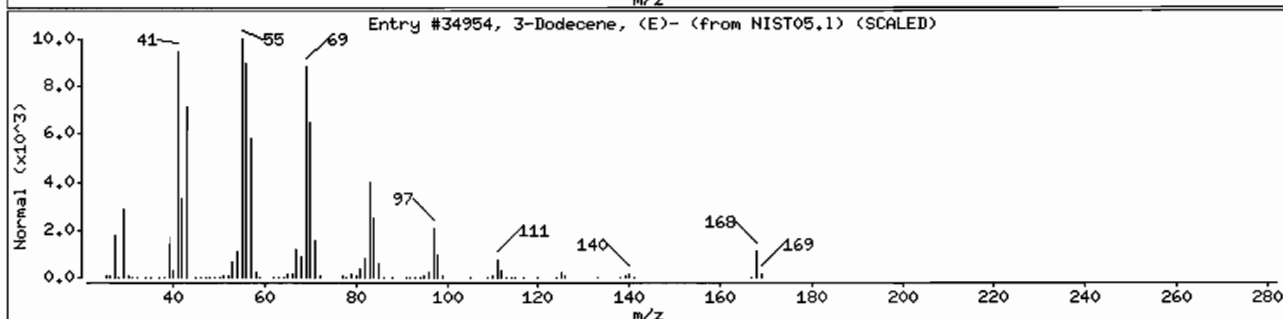
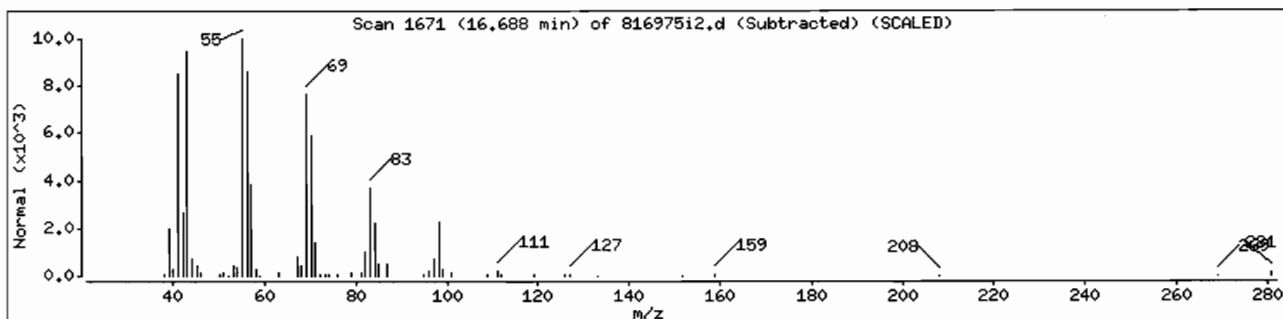
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Dodecene, (E)-	7239-23-8	NIST05.1	34954	78	C ₁₂ H ₂₄	168
3-Dodecene, (E)-	7206-14-6	NIST05.1	34966	78	C ₁₂ H ₂₄	168
1-Decanol	112-30-1	NIST05.1	28336	50	C ₁₀ H ₂₂ O	158



Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

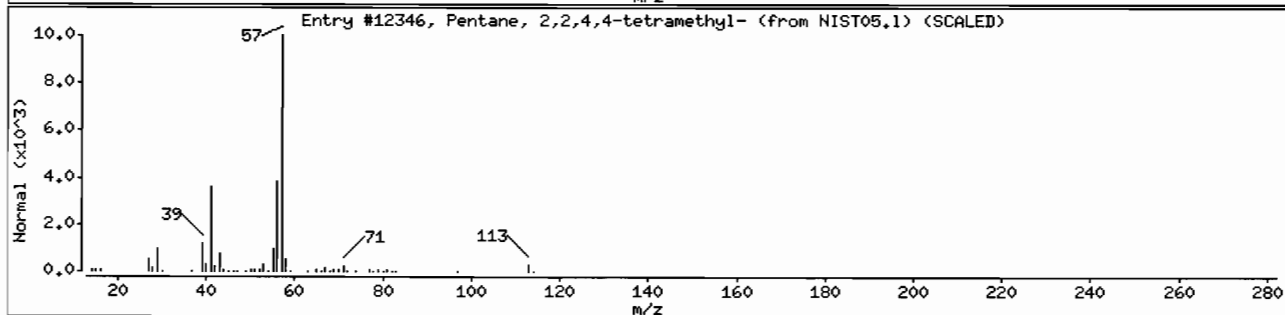
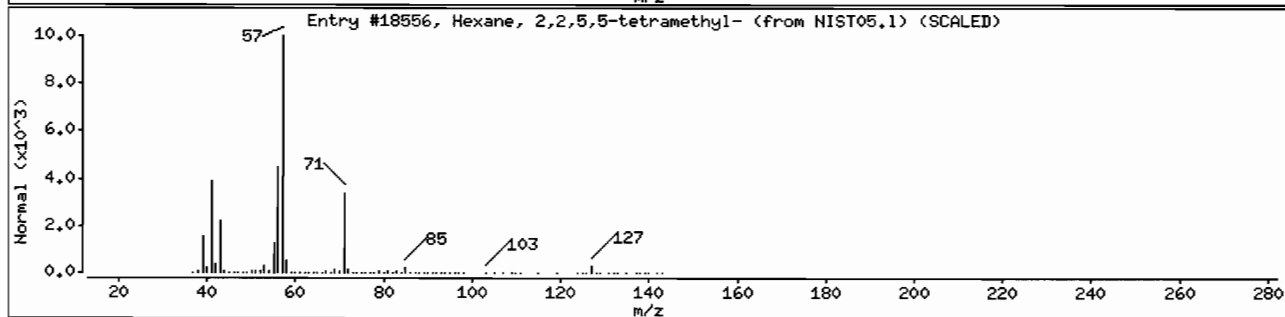
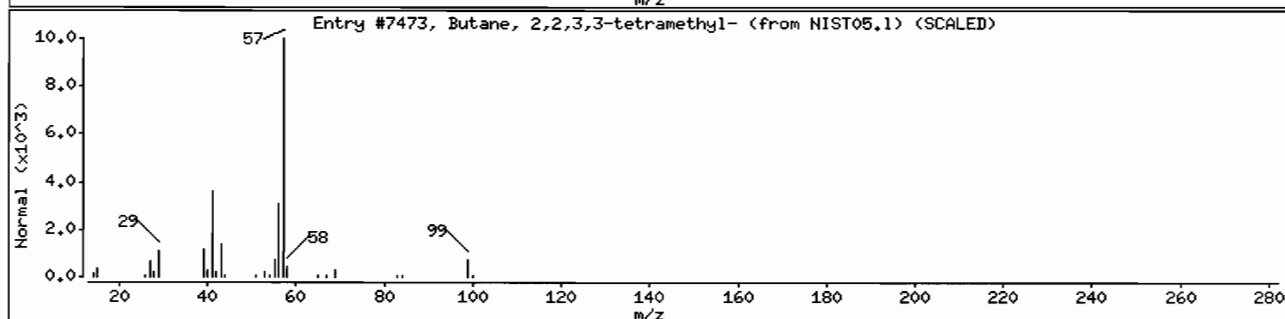
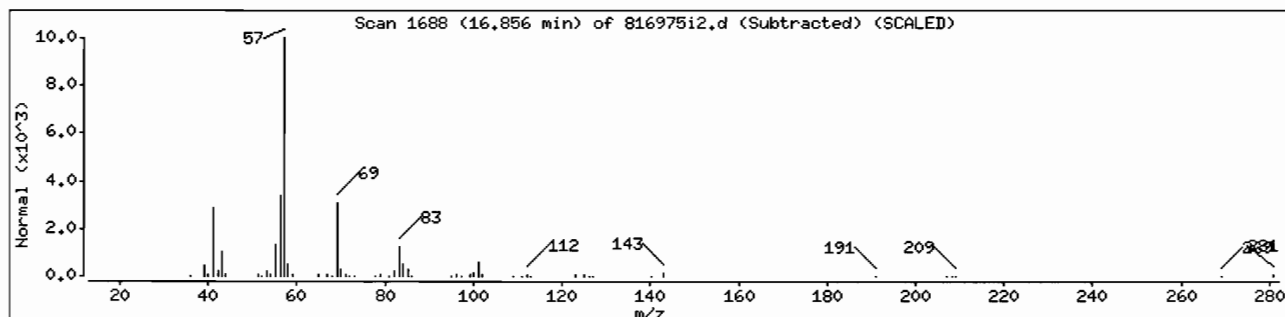
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Butane, 2,2,3,3-tetramethyl-	594-82-1	NIST05.1	7473	43	C ₈ H ₁₈	114
Hexane, 2,2,5,5-tetramethyl-	1071-81-4	NIST05.1	18556	38	C ₁₀ H ₂₂	142
Pentane, 2,2,4,4-tetramethyl-	1070-87-7	NIST05.1	12346	38	C ₉ H ₂₀	128



Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

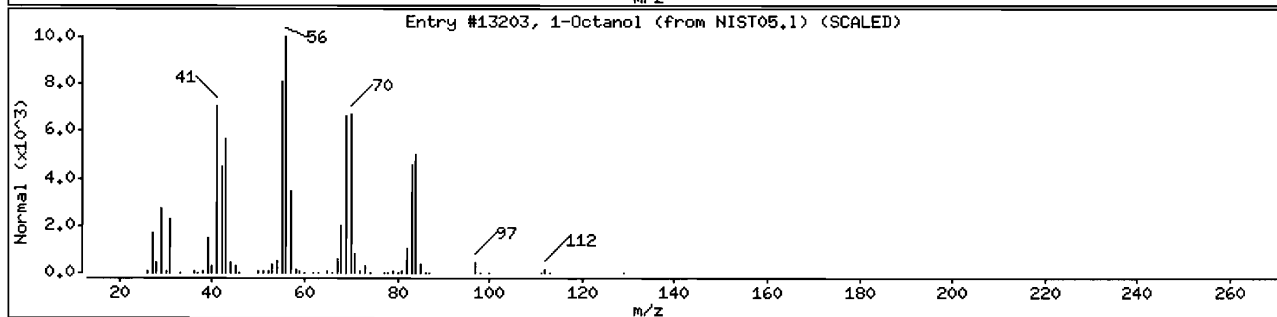
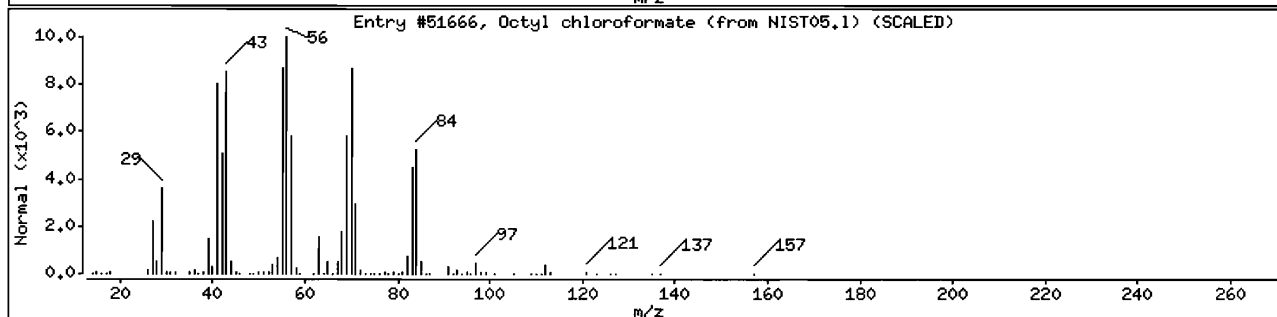
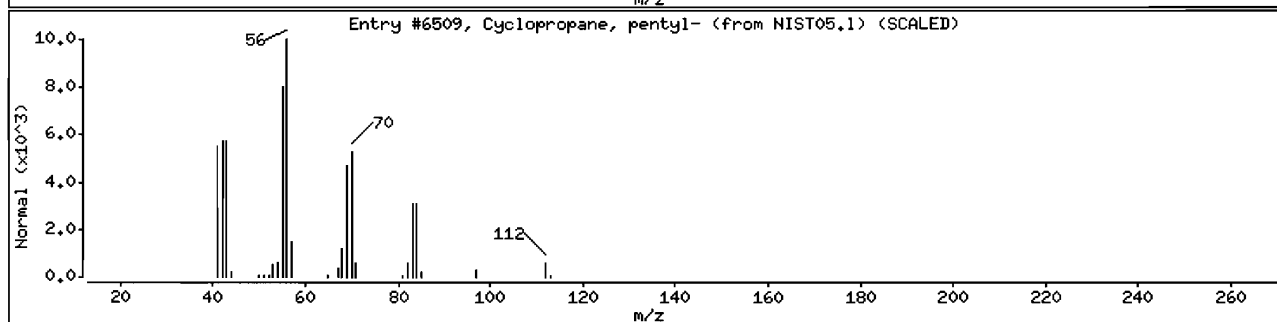
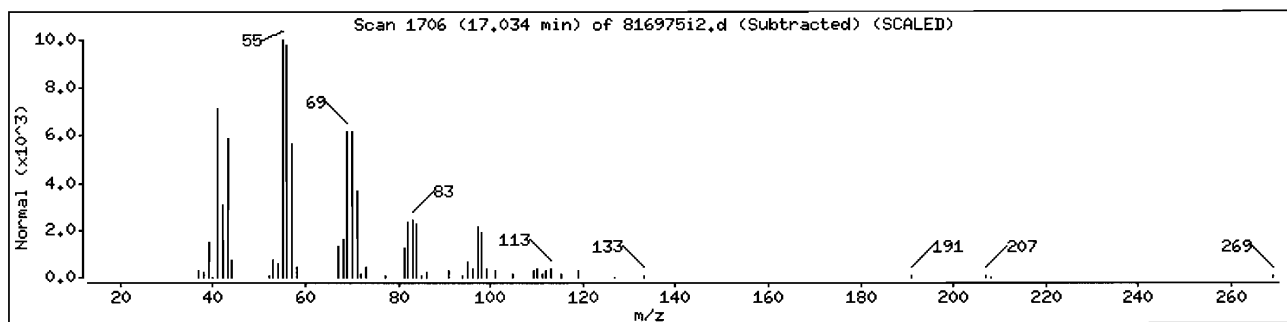
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclopropane, pentyl-	2511-91-3	NIST05.1	6509	64	C8H16	112
Octyl chloroformate	7452-59-7	NIST05.1	51666	59	C9H17ClO2	192
1-Octanol	111-87-5	NIST05.1	13203	58	C8H18O	130



Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

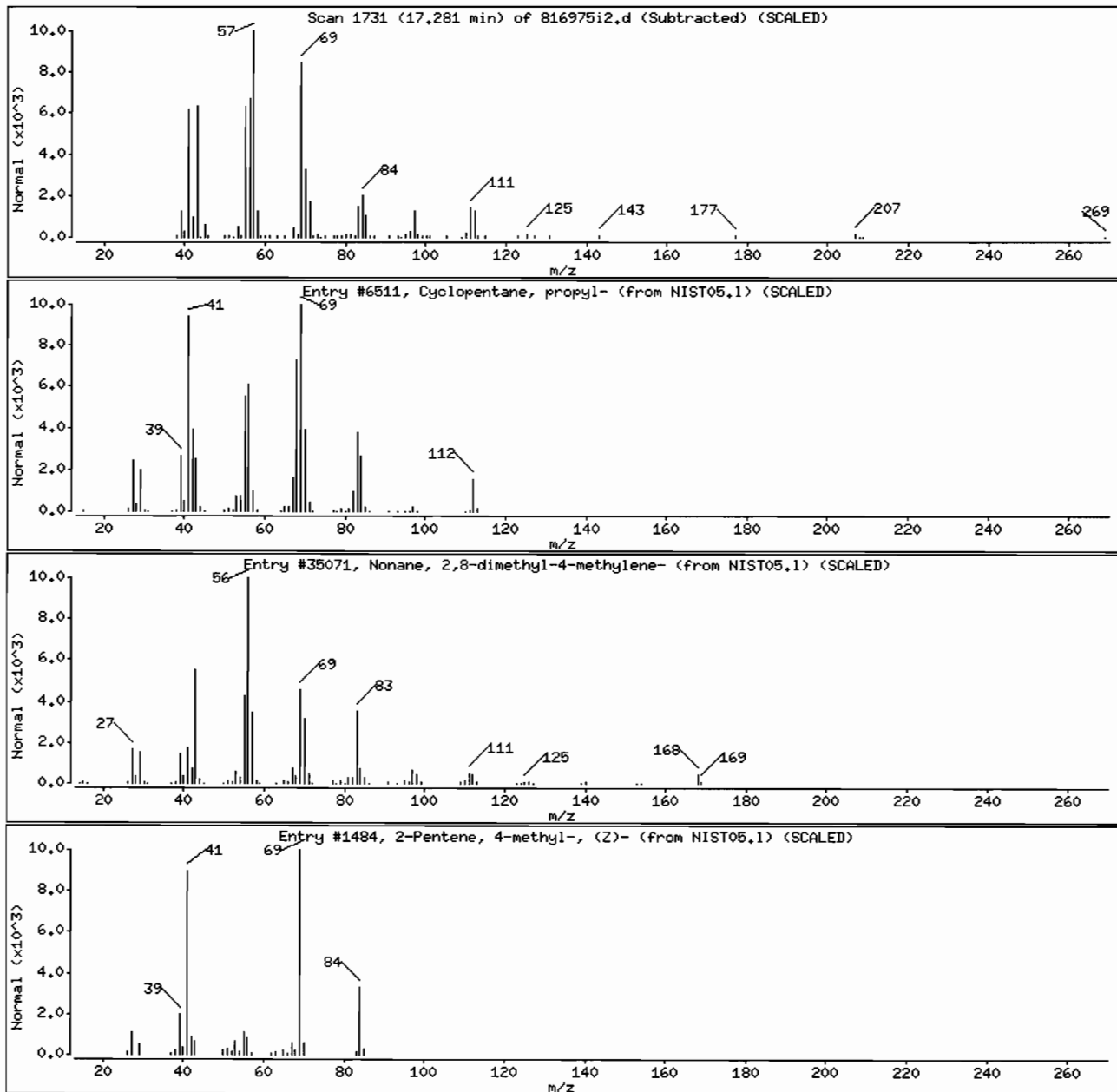
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Cyclopentane, propyl-	2040-96-2	NIST05.1	6511	59	C8H16	112
Nonane, 2,8-dimethyl-4-methylene-	7323-15-1	NIST05.1	35071	47	C12H24	168
2-Pentene, 4-methyl-, (Z)-	691-38-3	NIST05.1	1484	38	C6H12	84



Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 00945(WATER)

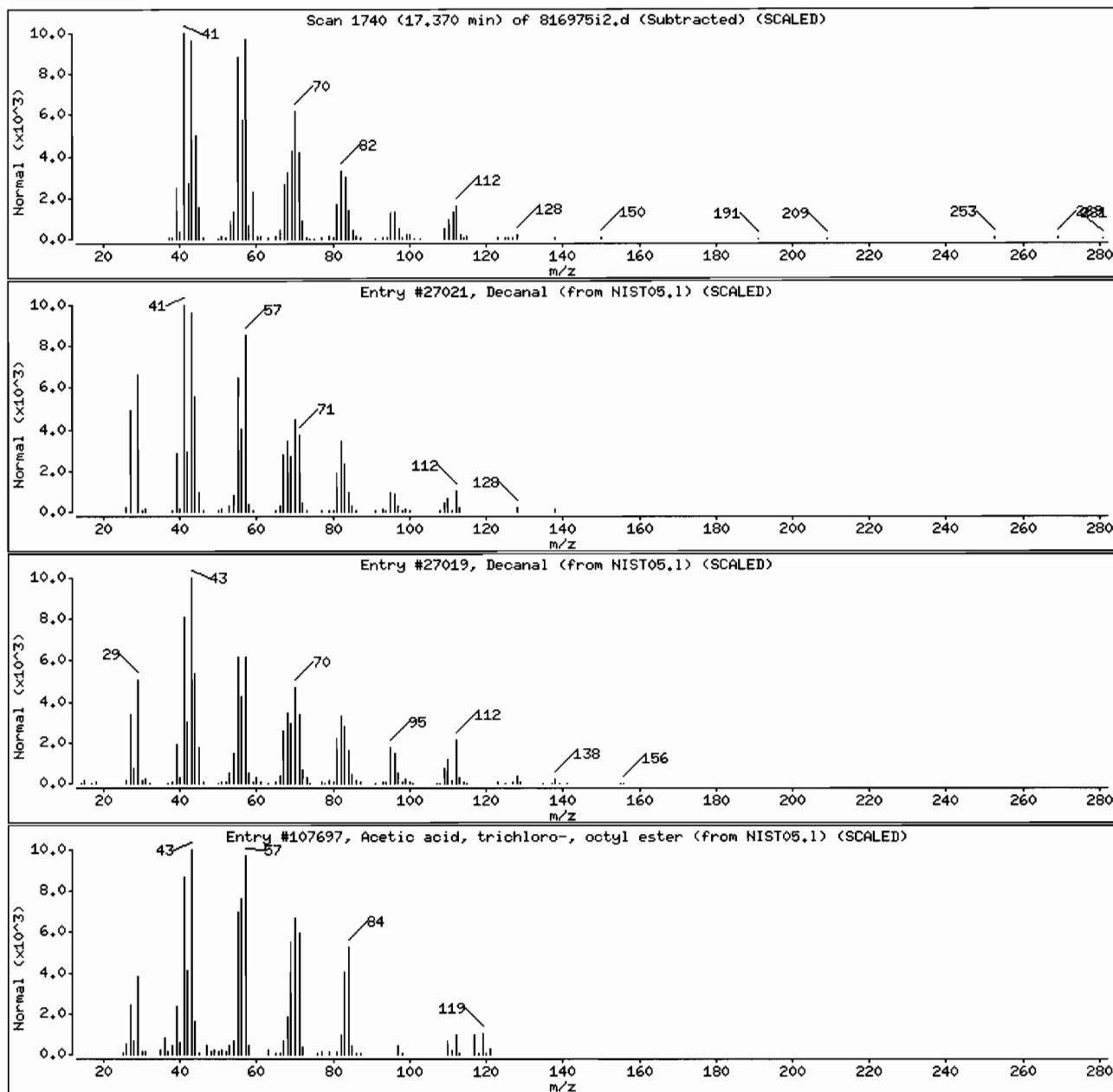
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Decanal	112-31-2	NIST05.1	27021	58	C10H20O	156
Decanal	112-31-2	NIST05.1	27019	49	C10H20O	156
Acetic acid, trichloro-, octyl ester	16958-78-4	NIST05.1	107697	46	C10H17Cl3O2	274



Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

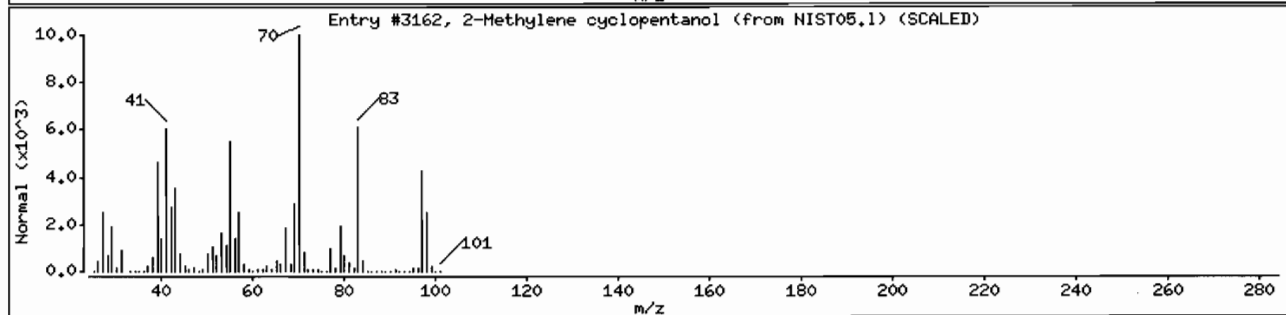
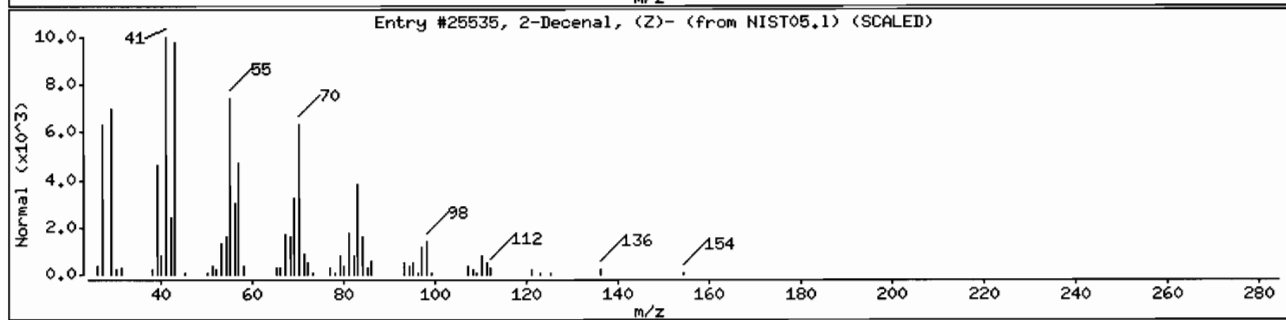
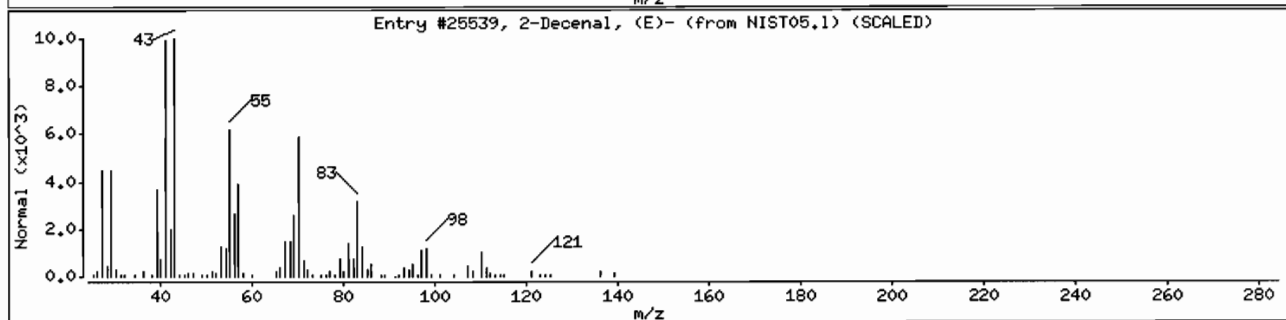
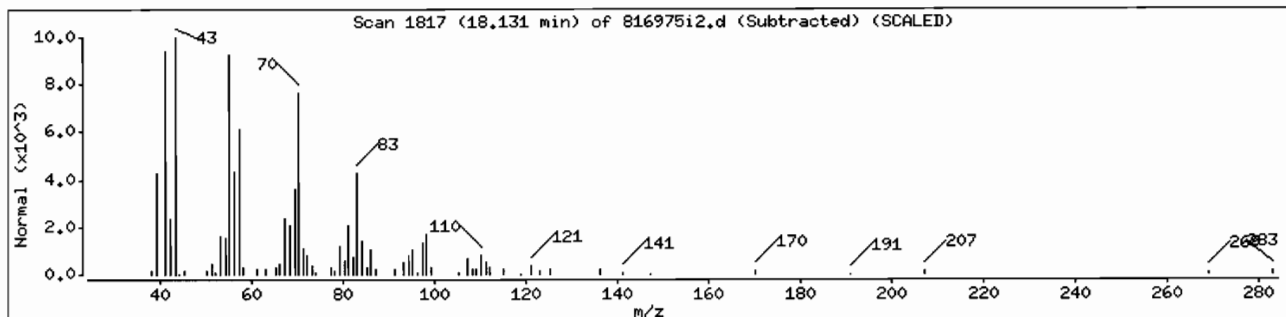
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Decenal, (E)-	3913-81-3	NIST05.1	25539	59	C10H18O	154
2-Decenal, (Z)-	2497-25-8	NIST05.1	25535	52	C10H18O	154
2-Methylene cyclopentanol	20461-31-8	NIST05.1	3162	46	C6H10O	98



Date : 19-JAN-2010 14:02

Client ID: B03201-202

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

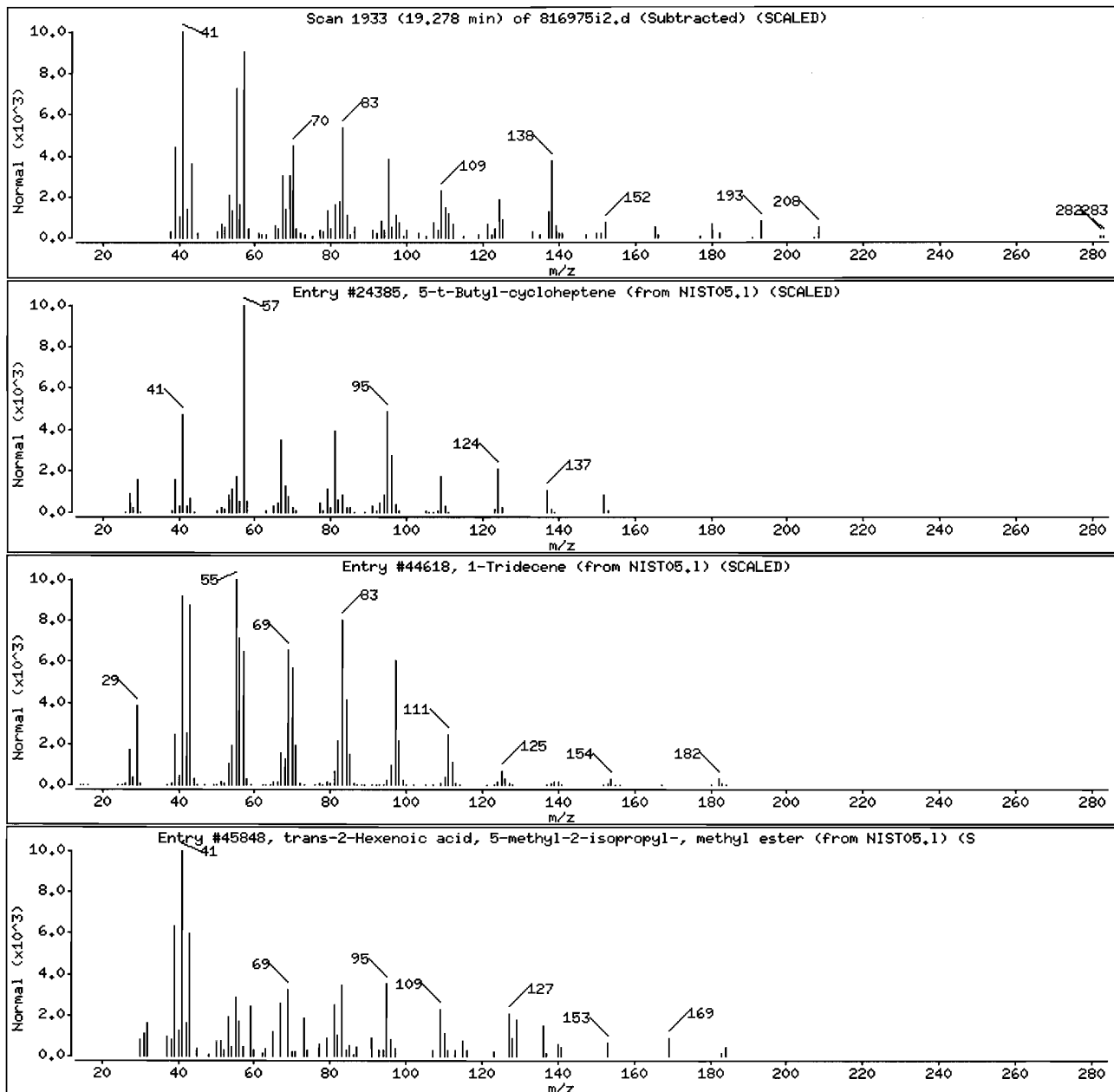
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
5-t-Butyl-cycloheptene	1000189-30-7	NIST05.1	24385	38	C ₁₁ H ₂₀	152
1-Tridecene	2437-56-1	NIST05.1	44618	30	C ₁₃ H ₂₆	182
trans-2-Hexenoic acid, 5-methyl-2-isopro	1000139-87-5	NIST05.1	45848	27	C ₁₁ H ₂₀ O ₂	184



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

EPA SAMPLE NO.

B03201-202DL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816975D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816975D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% Moisture: not dec.

Date Analyzed: 01/22/2010

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

Dilution Factor: 3.8

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	1.9	U
74-87-3	Chloromethane	1.9	U
75-01-4	Vinyl chloride	1.9	U
74-83-9	Bromomethane	1.9	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	1.9	U
75-35-4	1,1-Dichloroethene	1.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.9	U
67-64-1	Acetone	380	D
75-15-0	Carbon disulfide	1.9	U
79-20-9	Methyl acetate	1.9	U
75-09-2	Methylene chloride	1.9	U
156-60-5	trans-1,2-Dichloroethene	1.9	U
1634-04-4	Methyl tert-butyl ether	1.9	U
75-34-3	1,1-Dichloroethane	1.9	U
156-59-2	cis-1,2-Dichloroethene	1.9	U
78-93-3	2-Butanone	19	U
74-97-5	Bromochloromethane	1.9	U
67-66-3	Chloroform	1.2	DJ
71-55-6	1,1,1-Trichloroethane	1.9	U
110-82-7	Cyclohexane	1.9	U
56-23-5	Carbon tetrachloride	1.9	U
71-43-2	Benzene	1.9	U
107-06-2	1,2-Dichloroethane	1.9	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.
B03201-202DL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816975D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816975D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% Moisture: not dec.

Date Analyzed: 01/22/2010

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

Dilution Factor: 3.8

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	1.4	DJ
108-87-2	Methylcyclohexane	1.9	U
78-87-5	1,2-Dichloropropane	1.9	U
75-27-4	Bromodichloromethane	1.3	DJ
10061-01-5	cis-1,3-Dichloropropene	1.9	U
108-10-1	4-Methyl-2-pentanone	19	U
108-88-3	Toluene	1.9	U
10061-02-6	trans-1,3-Dichloropropene	1.9	U
79-00-5	1,1,2-Trichloroethane	1.9	U
127-18-4	Tetrachloroethene	1.9	U
591-78-6	2-Hexanone	19	U
124-48-1	Dibromochloromethane	1.2	DJ
106-93-4	1,2-Dibromoethane	1.9	U
108-90-7	Chlorobenzene	1.9	U
100-41-4	Ethylbenzene	1.9	U
95-47-6	o-Xylene	1.9	U
179601-23-1	m,p-Xylene	1.9	U
100-42-5	Styrene	1.9	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene	1.9	U
79-34-5	1,1,2,2-Tetrachloroethane	1.9	U
541-73-1	1,3-Dichlorobenzene	1.9	U
106-46-7	1,4-Dichlorobenzene	1.9	U
95-50-1	1,2-Dichlorobenzene	1.9	U
96-12-8	1,2-Dibromo-3-chloropropane	1.9	U
120-82-1	1,2,4-Trichlorobenzene	1.9	U
87-61-6	1,2,3-Trichlorobenzene	1.9	U

SOM01.2

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

EPA SAMPLE NO.

B03201-202DL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816975D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816975D2

Level: (TRACE or LOW/MED) TRACE

Date Received: 01/08/2010

% Moisture: not dec.

Date Analyzed: 01/22/2010

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

Dilution Factor: 3.8

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	150	NJD
02		Unknown	10.48	13	JXBD
03	66-25-1	Hexanal	11.85	3.5	NJD
04		Unknown	16.39	3.5	JD
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		

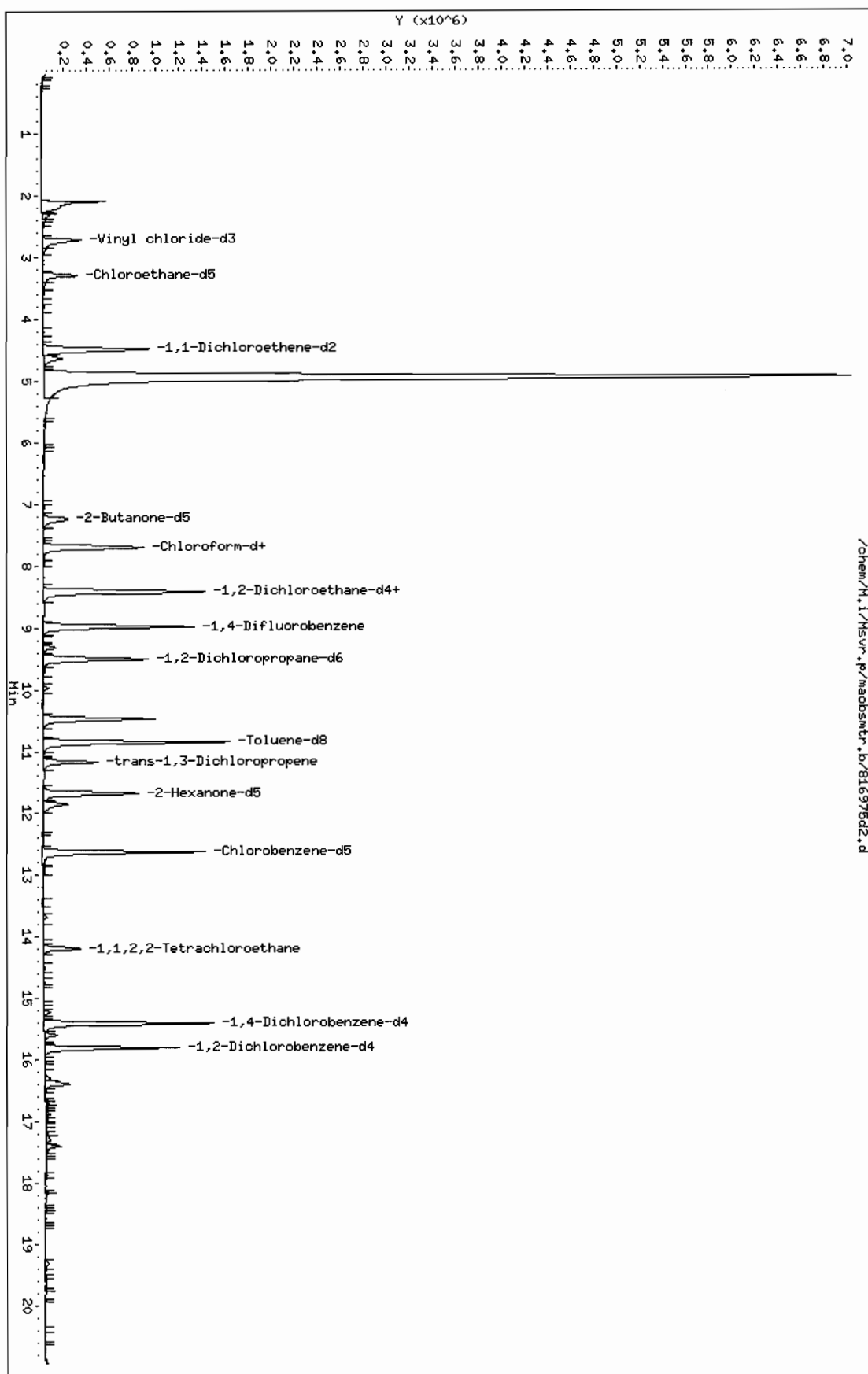
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsyr.p/mabsmtr.b/816975d2.d
Date : 22-JAN-2010 03:00
Client ID: B03201-202DL
Sample Info: ISCO SB03 201-202 :t 101/07/10 00945(MATER)
Purge Volume: 25.0
Column phase: DB-624

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

Page 6



Data File: /chem/M.i/Msvr.p/maobsmttr.b/816975d2.d
Report Date: 27-Jan-2010 13:50

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maobsmttr.b/816975d2.d
Lab Smp Id: 816975D1 Client Smp ID: B03201-202DL
Inj Date : 22-JAN-2010 03:00
Operator : JPl Inst ID: M.i
Smp Info : ISCO SB03 201-202 :[]01/07/10 @0945(WATER)
Misc Info : 816975,012110MH,3.76,5
Comment :
Method : /chem/M.i/Msvr.p/maobsmttr.b/somtr4.m
Meth Date : 27-Jan-2010 13:50 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 13
Dil Factor: 3.80000
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	3.80000	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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
\$ 3 Vinyl chloride-d3	65	2.715	2.721	(0.303)	842252	4.56934	4.6
4 Vinyl chloride	62	Compound Not Detected.					
5 Bromomethane	94	Compound Not Detected.					
\$ 6 Chloroethane-d5	69	3.289	3.295	(0.366)	697459	4.82189	4.8
7 Chloroethane	64	Compound Not Detected.					
8 Trichlorofluoromethane	101	Compound Not Detected.					
\$ 9 1,1-Dichloroethene-d2	63	4.475	4.491	(0.499)	1600290	3.99748	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	4.624	4.630	(0.515)	498931	100.324	380
13 Carbon disulfide	76	Compound Not Detected.					
14 Methyl acetate	43	Compound Not Detected.					

Compounds	QUANT SIG	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	7.234	7.230	(0.806)	667465	51.4358	51
20 cis-1,2-Dichloroethene	96		Compound Not Detected.				
21 2-Butanone	43		Compound Not Detected.				
22 Bromochloromethane	128		Compound Not Detected.				
\$ 23 Chloroform-d	84	7.699	7.685	(0.858)	1287697	4.83381	4.8 (Q)
24 Chloroform	83	7.719	7.715	(0.860)	77418	0.30615	1.2 (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	8.411	8.387	(0.937)	383766	4.53635	4.5 (Q)
\$ 29 Benzene-d6	84	8.421	8.407	(0.667)	1962297	4.88879	4.9
30 Benzene	78		Compound Not Detected.				
31 1,2-Dichloroethane	62		Compound Not Detected.				
* 32 1,4-Difluorobenzene	114	8.974	8.961	(1.000)	1973146	5.00000	
33 Trichloroethene	95	9.311	9.297	(0.738)	68984	0.36946	1.4 (a)
\$ 34 1,2-Dichloropropane-d6	67	9.498	9.485	(0.752)	923954	4.54103	4.5
35 Methylcyclohexane	55		Compound Not Detected.				
36 1,2-Dichloropropane	63		Compound Not Detected.				
37 Bromodichloromethane	83	9.973	9.950	(0.790)	61847	0.33151	1.3 (a)
38 cis-1,3-Dichloropropene	75		Compound Not Detected.				
39 4-Methyl-2-pentanone	43		Compound Not Detected.				
\$ 40 Toluene-d8	98	10.843	10.830	(0.859)	2020795	4.85341	4.9
41 Toluene	91		Compound Not Detected.				
\$ 42 trans-1,3-Dichloropropene-d4	79	11.170	11.156	(0.885)	491144	4.90729	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	11.674	11.660	(0.925)	694307	51.3903	51
47 2-Hexanone	43		Compound Not Detected.				
48 Dibromochloromethane	129	11.921	11.917	(0.944)	31204	0.32835	1.2 (a)
49 1,2-Dibromoethane	107		Compound Not Detected.				
* 50 Chlorobenzene-d5	117	12.623	12.609	(1.000)	1447169	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	14.185	14.172	(1.124)	349823	4.91047	4.9
59 1,1,2,2-Tetrachloroethane	83		Compound Not Detected.				
60 1,3-Dichlorobenzene	146		Compound Not Detected.				
* 61 1,4-Dichlorobenzene-d4	152	15.402	15.398	(1.000)	678537	5.00000	(Q)
62 1,4-Dichlorobenzene	146		Compound Not Detected.				

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4		152	15.807	15.793	(1.026)	521747	5.01103	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

- 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/maobsmttr.b/816975d2.d
Lab Smp Id: 816975D1 Client Smp ID: B03201-202DL
Inj Date : 22-JAN-2010 03:00
Operator : JPl Inst ID: M.i
Smp Info : ISCO SB03 201-202 :[]01/07/10 @0945(WATER)
Misc Info : 816975,012110MH,3.76,5
Comment :
Method : /chem/M.i/Msvr.p/maobsmttr.b/somtr4.m
Meth Date : 27-Jan-2010 13:50 jdl Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 13
Dil Factor: 3.80000
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	3.80000	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	8.974	4990345	5.000
* 50 Chlorobenzene-d5	12.623	4778605	5.000
* 61 1,4-Dichlorobenzene-d4	15.402	4589946	5.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		
		ON-COL(ug/L)	FINAL(ug/L)		LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Isopropyl Alcohol					CAS #: 67-63-0		
4.930	40308000	40.3859809	150	86	NIST05.1	290	32

Data File: /chem/M.i/Msvr.p/maobsmttr.b/816975d2.d
Report Date: 27-Jan-2010 13:50

Page 5

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL (ug/L)	FINAL (ug/L)		LIBRARY	LIB ENTRY	
====	====	=====	=====	====	=====	=====	=====
Unknown					CAS #:		
10.477	3501798	3.50857224	13	0		0	32
Hexanal					CAS #: 66-25-1		
11.852	873065	0.91351406	3.5	97	NIST05.1	3688	50
Unknown					CAS #:		
16.391	836199	0.91090266	3.5	0		0	61

Data File: /chem/M.i/Hsvr,p/maobsntr,b/816975d2.d

Page 7

Date : 22-JAN-2010 03:00

Client ID: B03201-202DL

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

Purge Volume: 25.0

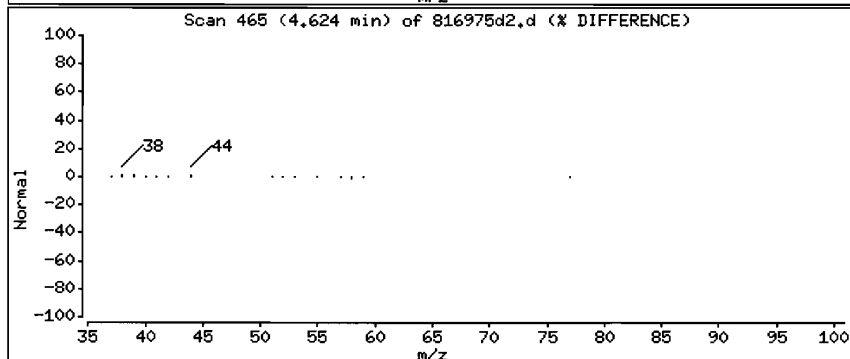
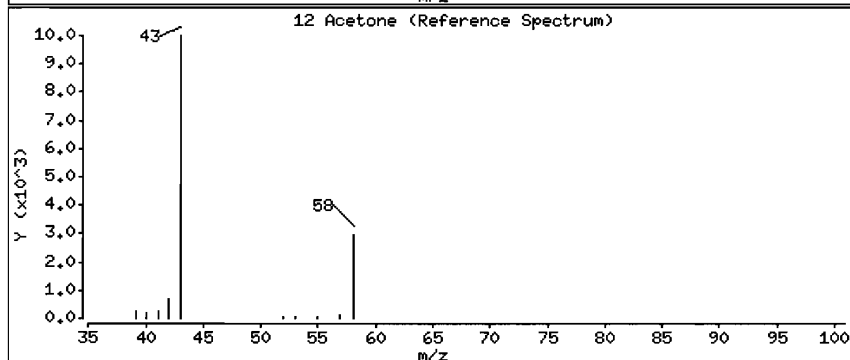
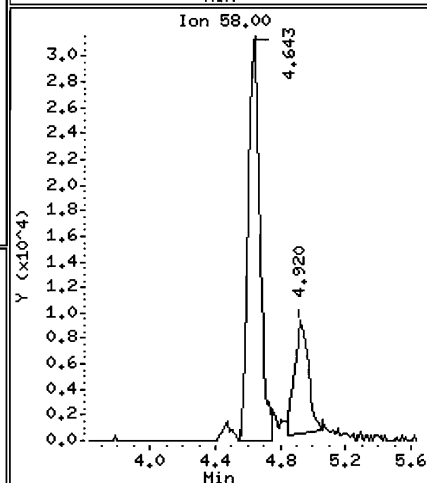
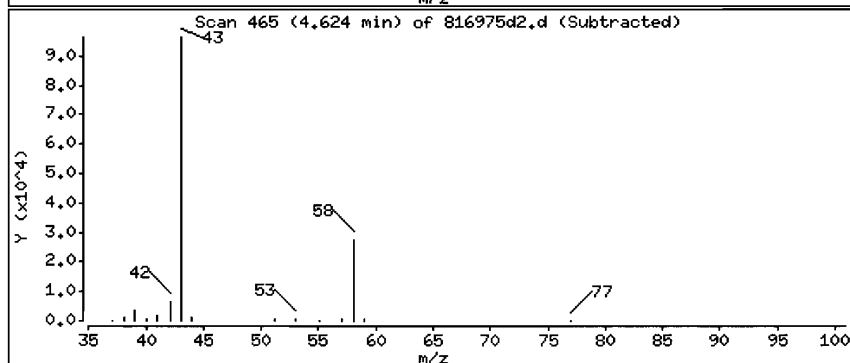
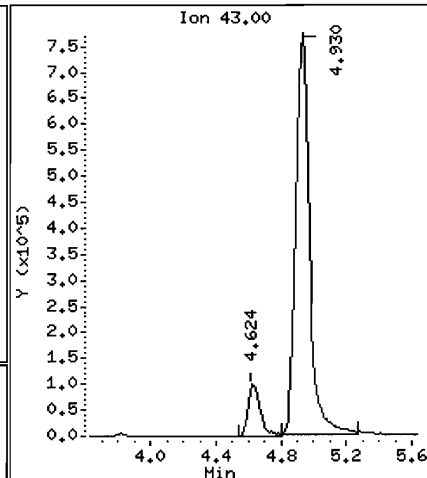
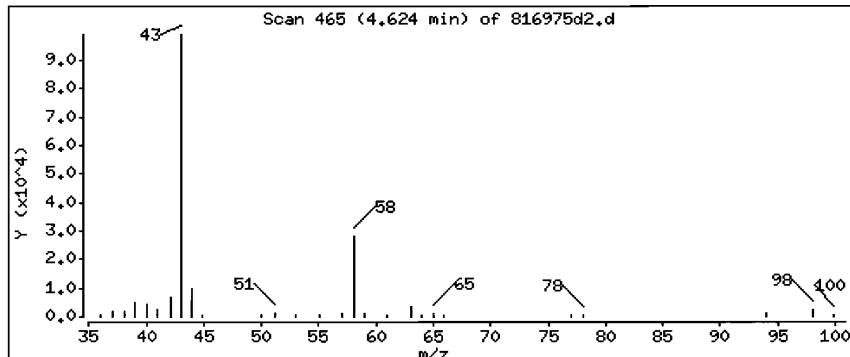
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 380 ug/L



Data File: /chem/M.i/Msvr.p/maobsmt.r.b/816975d2.d

Page 8

Date : 22-JAN-2010 03:00

Client ID: B03201-202DL

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

Purge Volume: 25.0

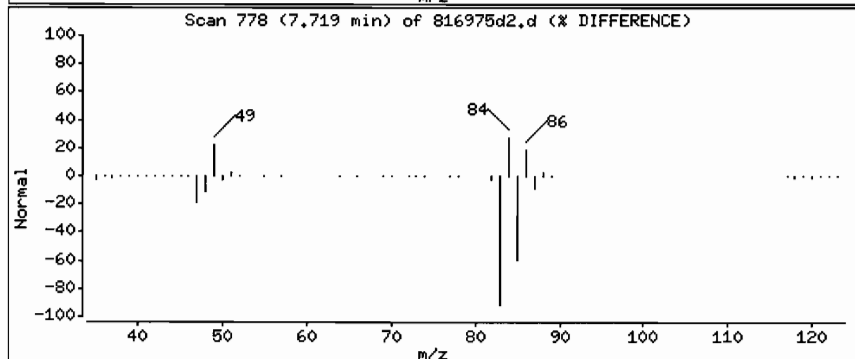
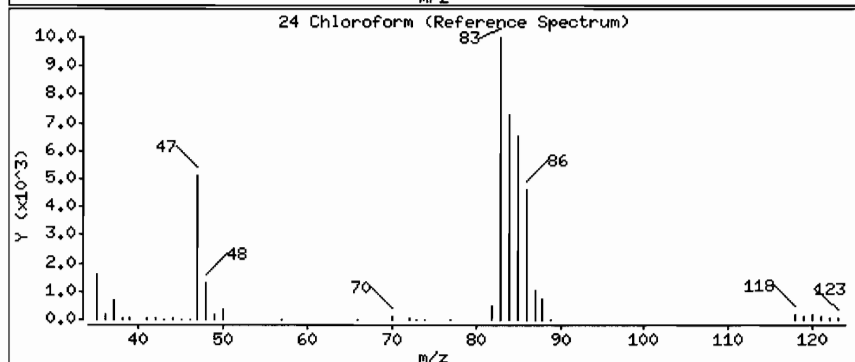
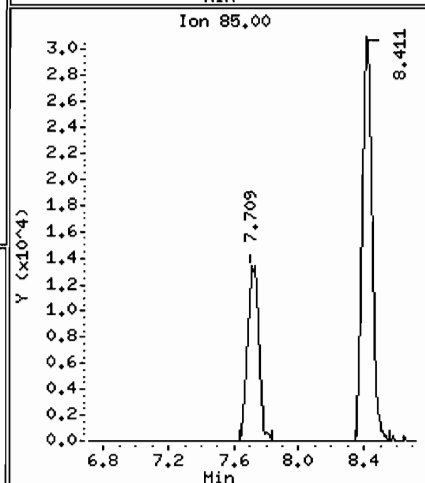
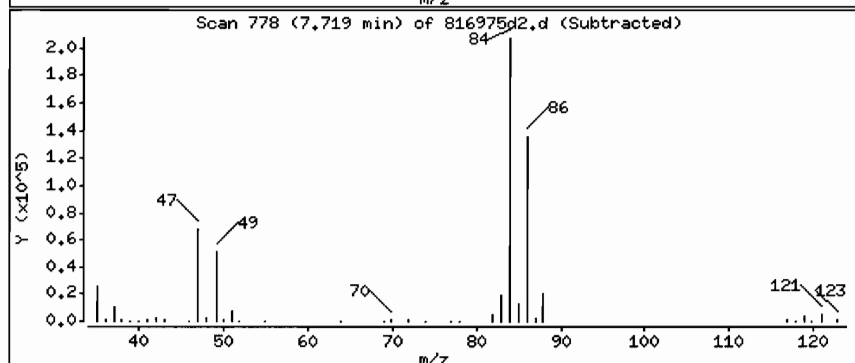
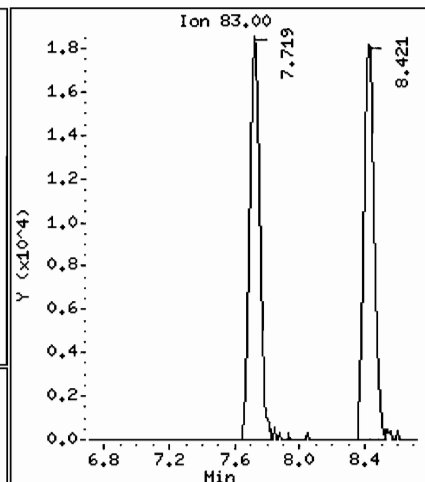
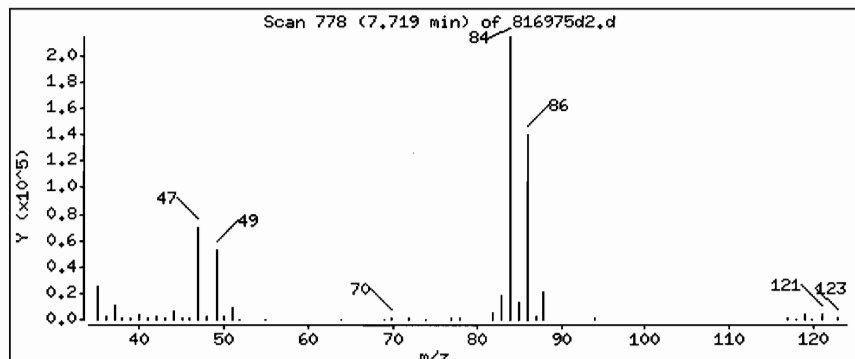
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

24 Chloroform

Concentration: 1.2 ug/L



Data File: /chem/M.i/Msvr.p/maobsmt.r.b/816975d2.d

Page 9

Date : 22-JAN-2010 03:00

Client ID: B03201-202DL

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

Purge Volume: 25.0

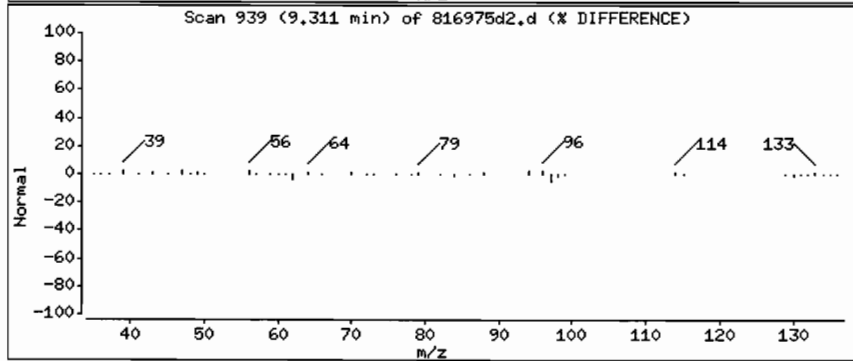
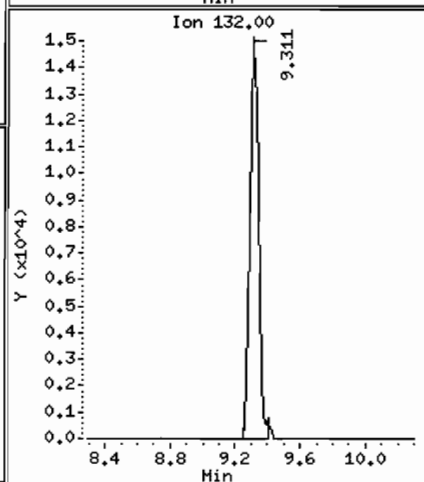
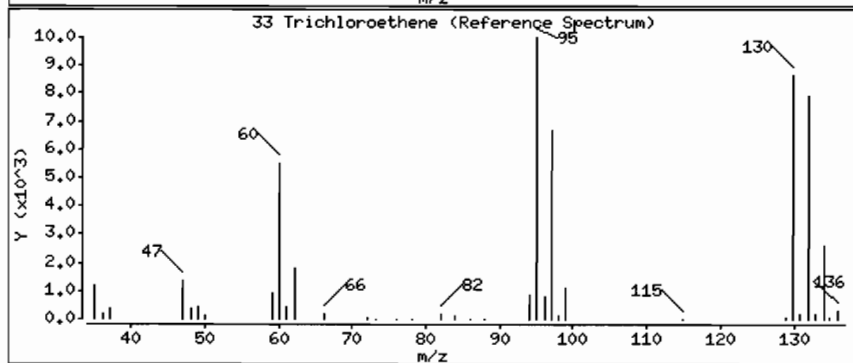
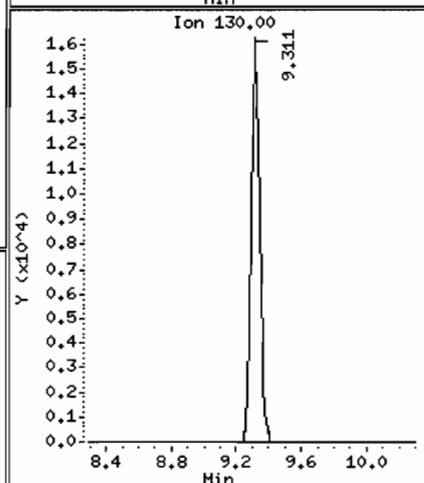
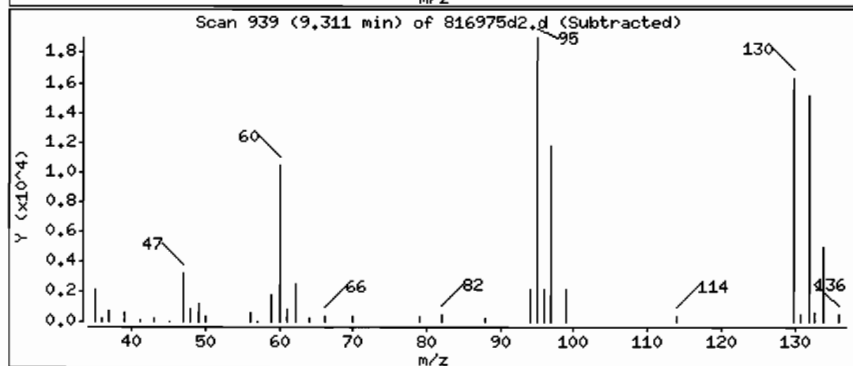
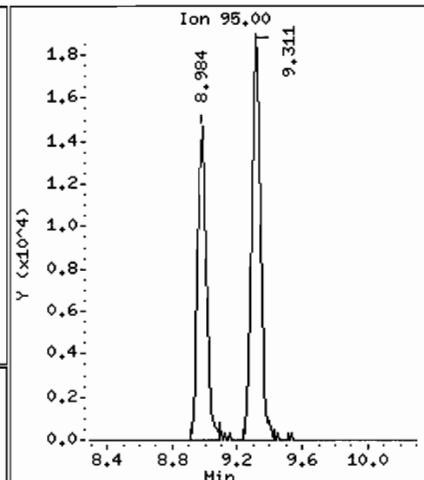
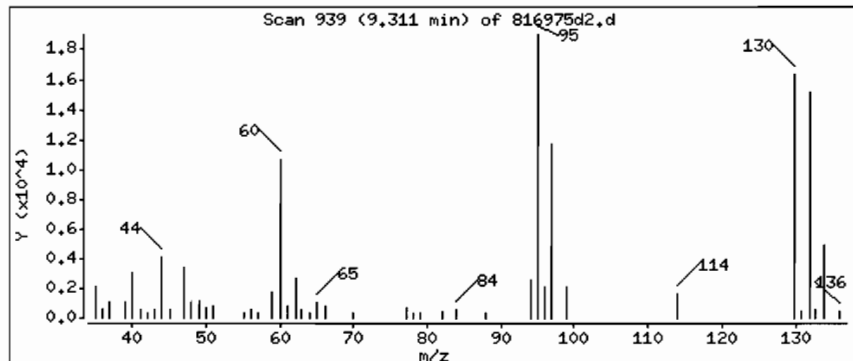
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 1.4 ug/L



Data File: /chem/M.i/Msvr.p/maobsntr.b/816975d2.d

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Date : 22-JAN-2010 03:00

Client ID: B03201-202DL

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

Purge Volume: 25.0

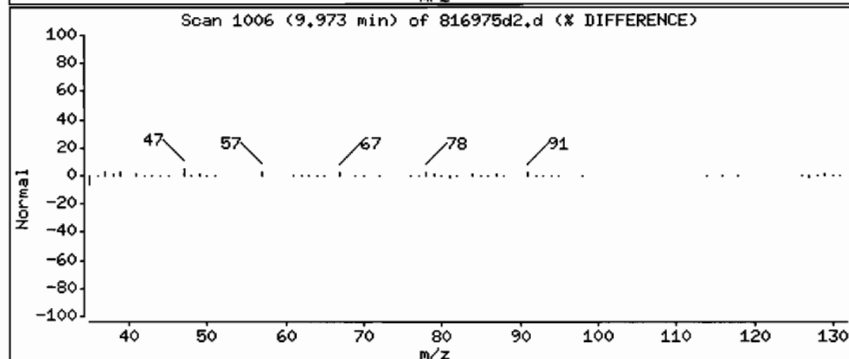
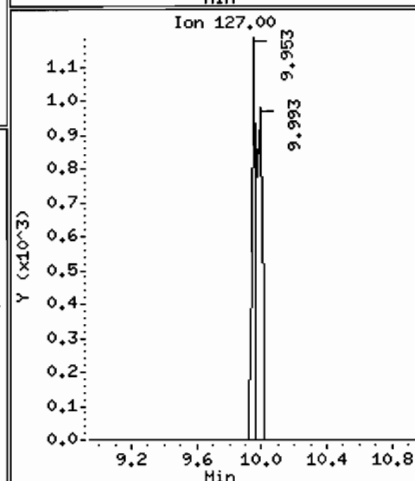
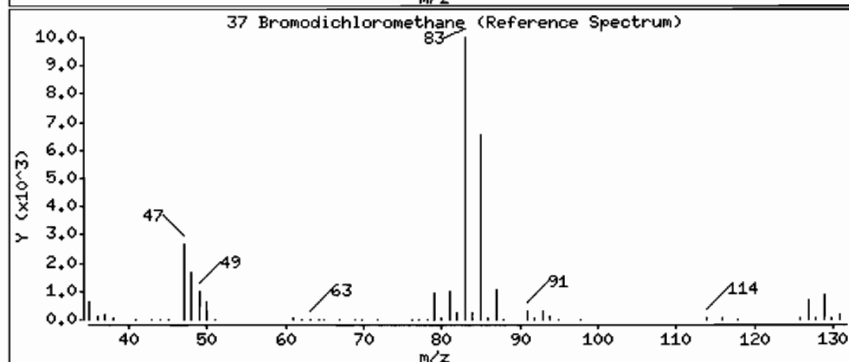
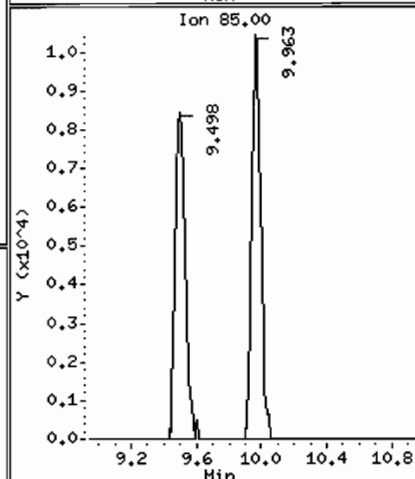
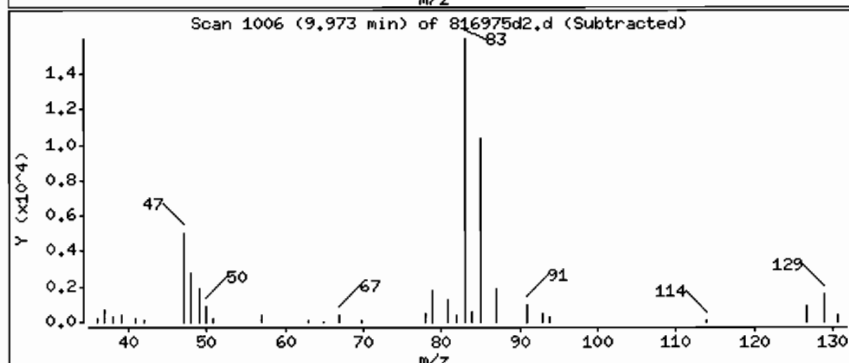
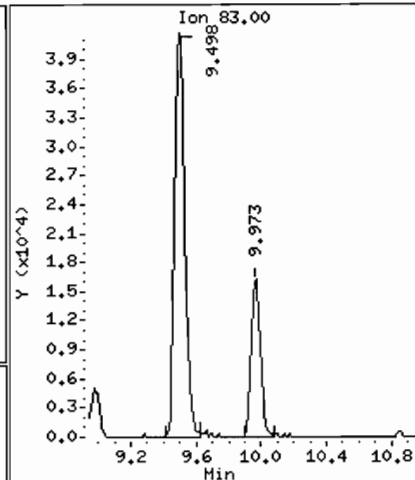
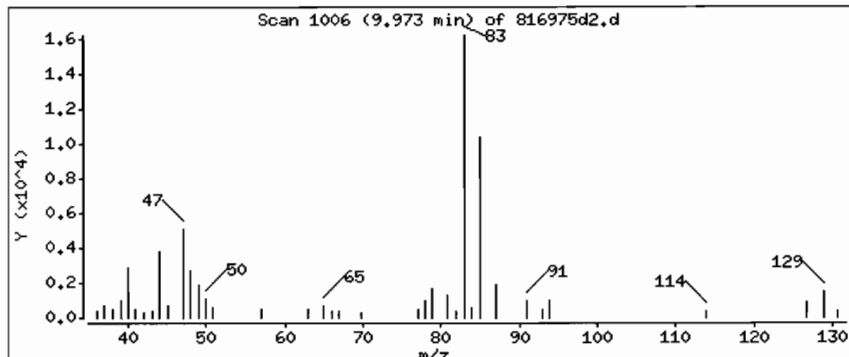
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

37 Bromodichloromethane

Concentration: 1.3 ug/L



Data File: /chem/H,i/Hsvr,p/maobsntr,b/816975d2.d

Page 11

Date : 22-JAN-2010 03:00

Client ID: B03201-202DL

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

Purge Volume: 25.0

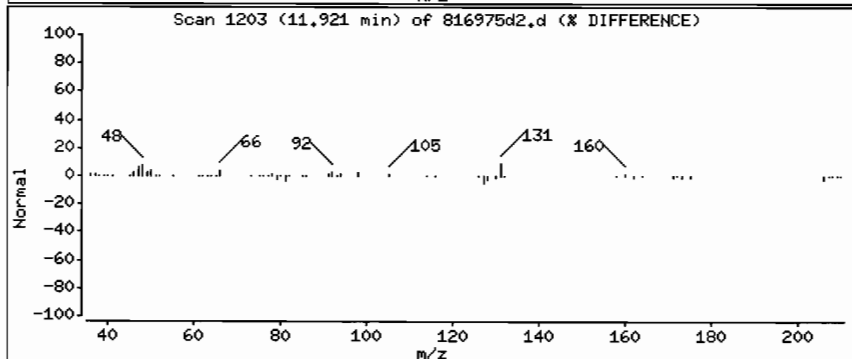
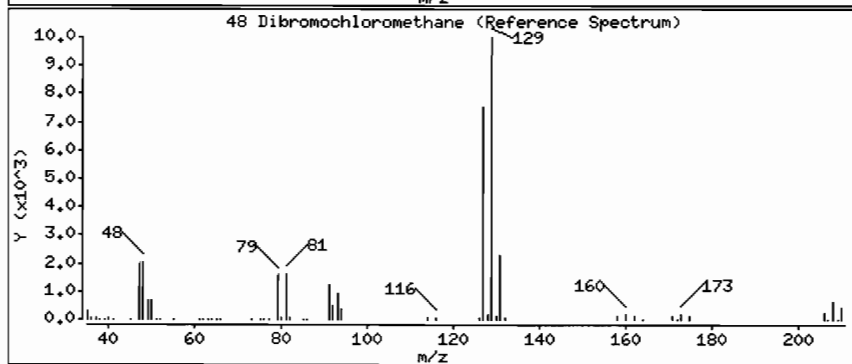
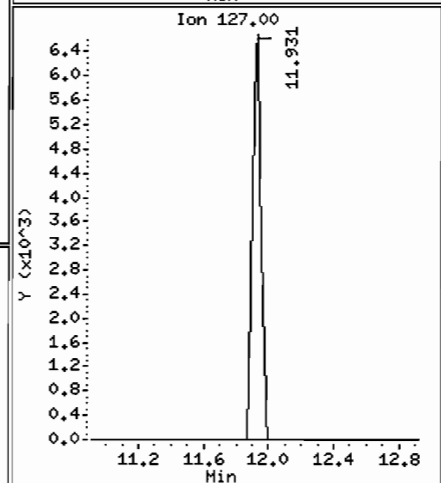
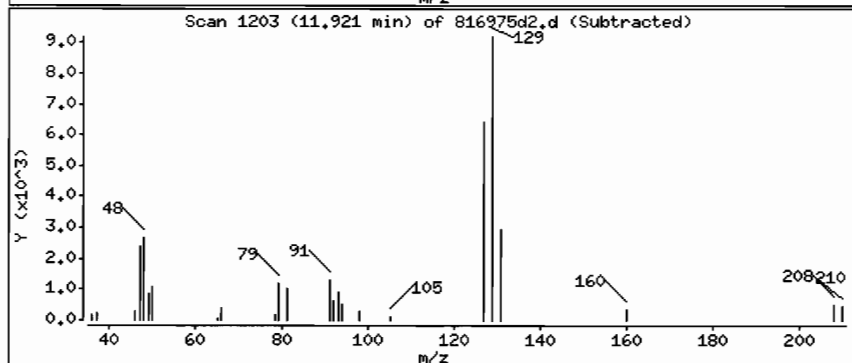
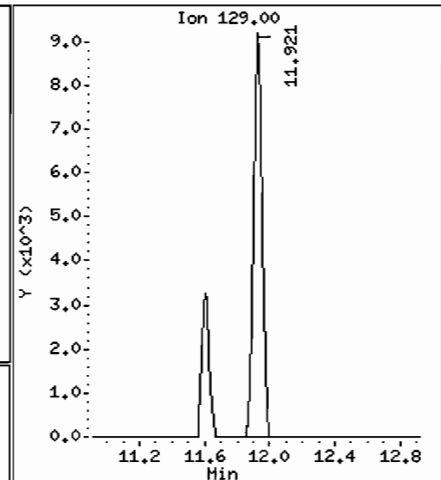
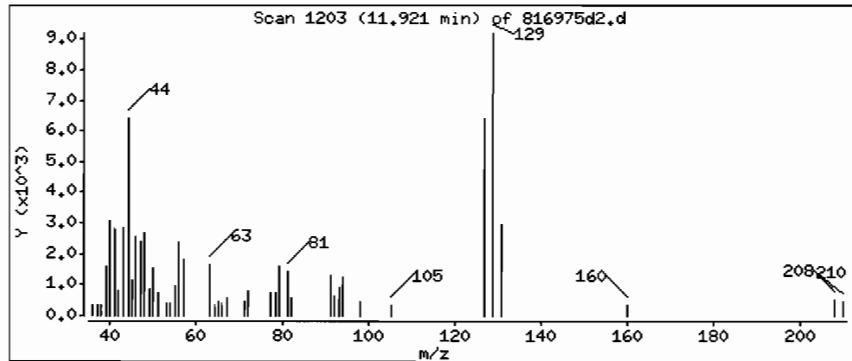
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

48 Dibromochloromethane

Concentration: 1.2 ug/L



Date : 22-JAN-2010 03:00

Client ID: B03201-202DL

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

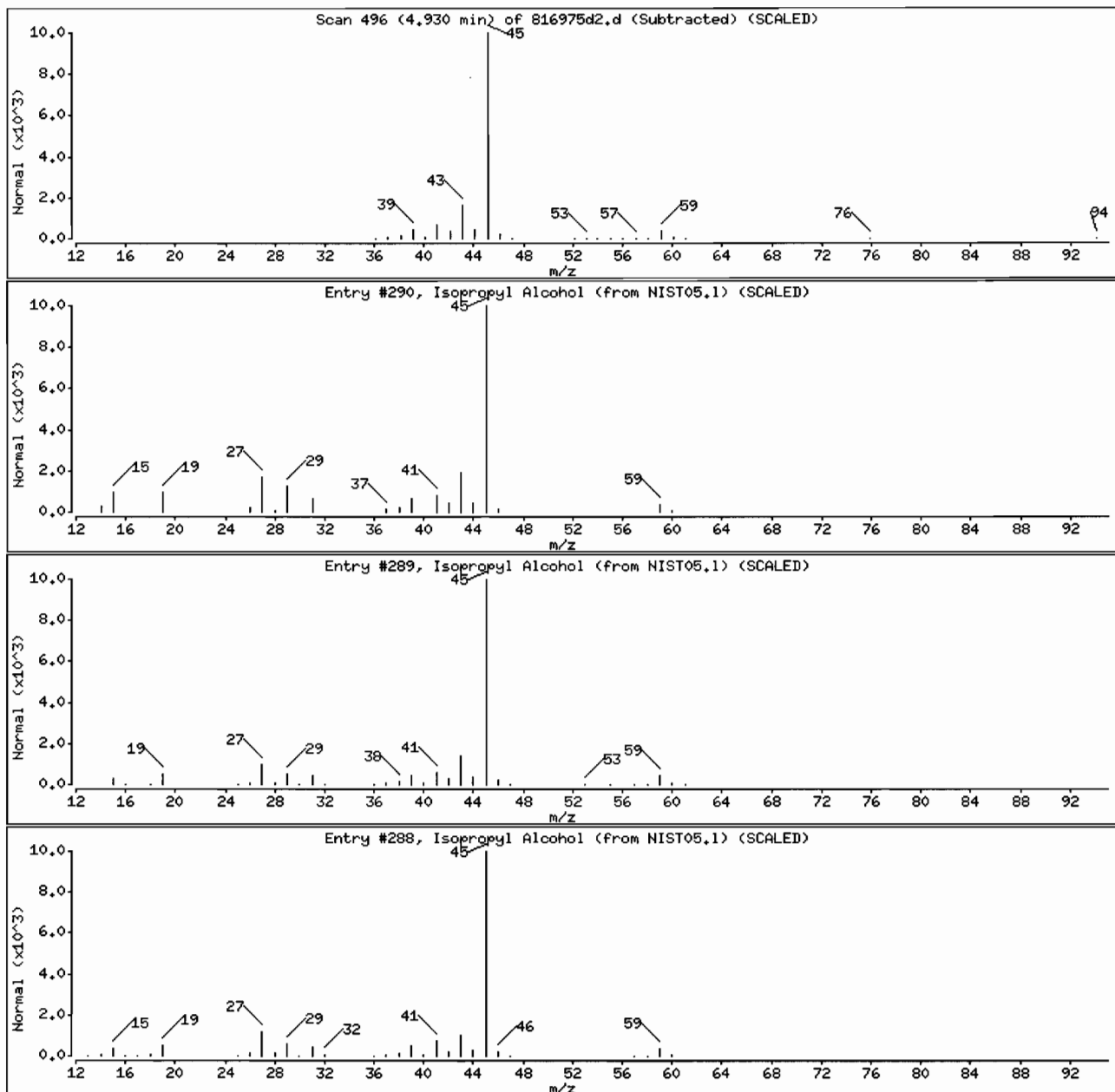
Purge Volume: 25.0

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	290	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	289	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	288	86	C3H8O	60



Date : 22-JAN-2010 03:00

Client ID: B03201-202DL

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 00945(WATER)

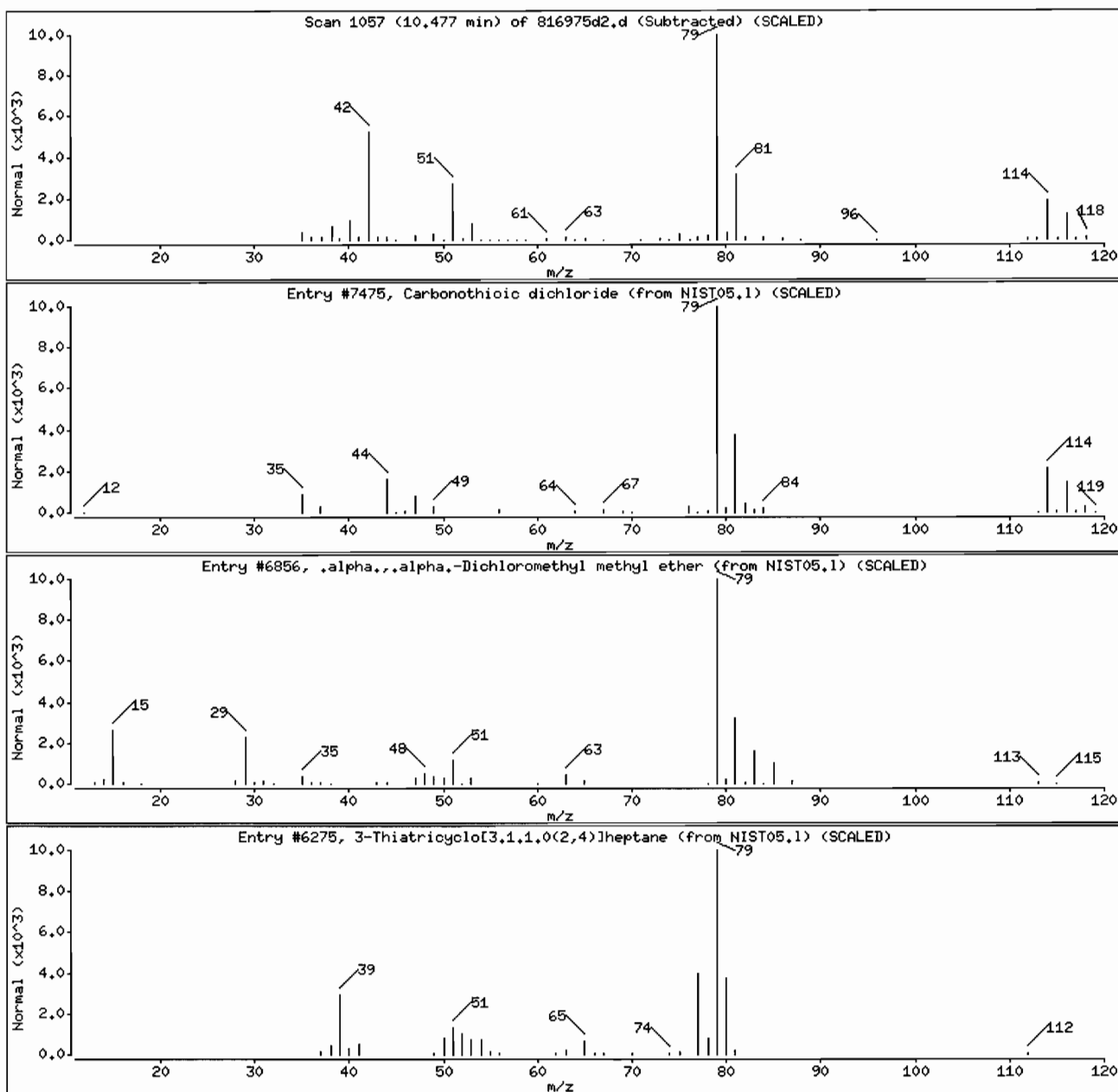
Purge Volume: 25.0

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	NIST05.1	7475	49	CCl2S	114
,alpha,,alpha,-Dichloromethyl methyl et	4885-02-3	NIST05.1	6856	37	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C6H8S	112



Date : 22-JAN-2010 03:00

Client ID: B03201-202DL

Instrument: H.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

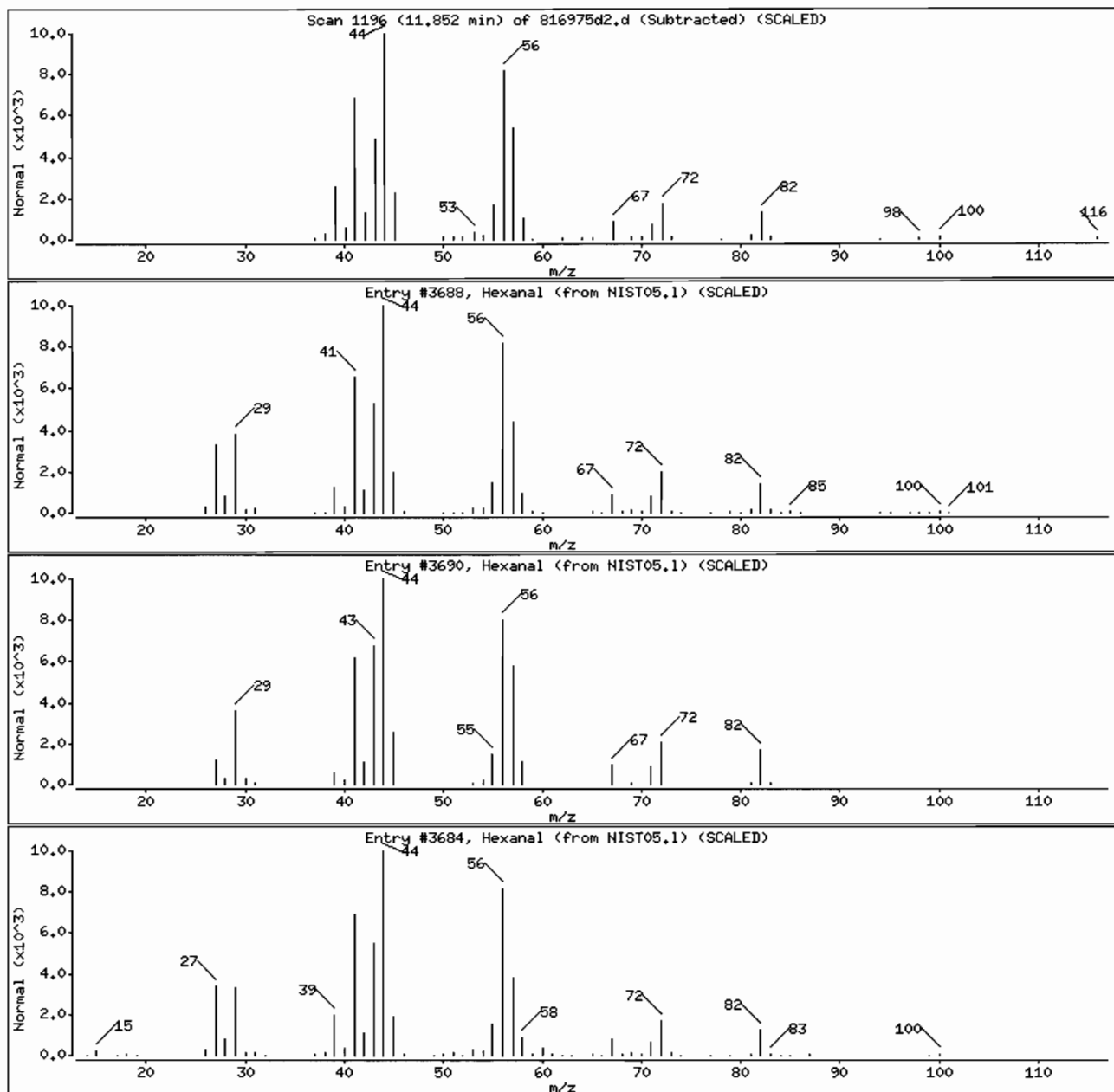
Purge Volume: 25.0

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	97	C ₆ H ₁₂ O	100
Hexanal	66-25-1	NIST05.1	3690	90	C ₆ H ₁₂ O	100
Hexanal	66-25-1	NIST05.1	3684	90	C ₆ H ₁₂ O	100



Date : 22-JAN-2010 03:00

Client ID: B03201-202DL

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

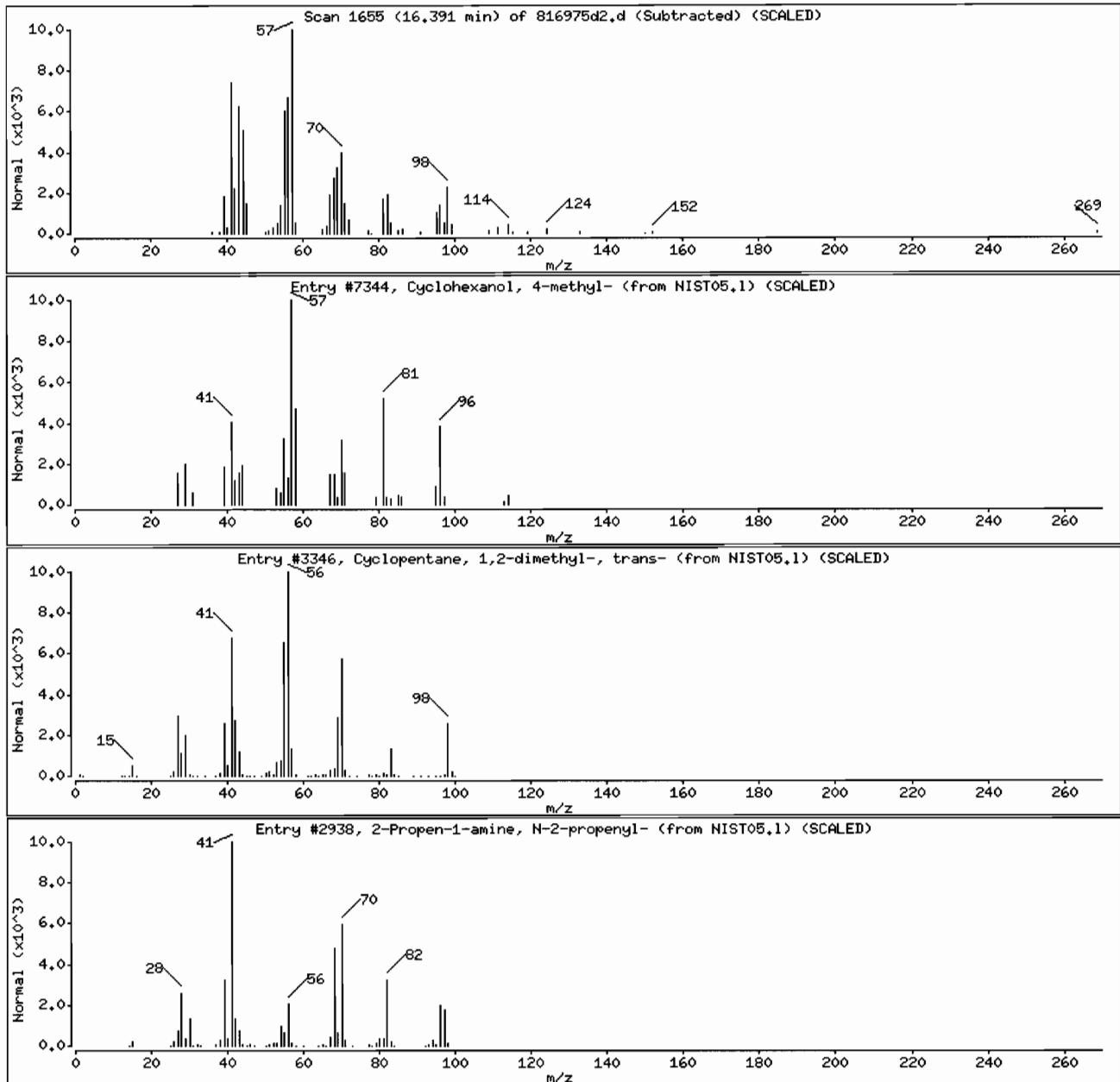
Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexanol, 4-methyl-	589-91-3	NIST05.1	7344	35	C7H14O	114
Cyclopentane, 1,2-dimethyl-, trans-	822-50-4	NIST05.1	3346	35	C7H14	98
2-Propen-1-amine, N-2-propenyl-	124-02-7	NIST05.1	2938	30	C6H11N	97



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

EPA SAMPLE NO.

B03211-212

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816976

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816976

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% 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	520	E
75-15-0	Carbon disulfide	0.39	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	3.3	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	1.3	
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.

B03211-212

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816976

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816976

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% 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	1.3	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	1.3	
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	1.2	
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	0.38	J
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.
B03211-212

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135376
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 816976
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 816976
Level: (TRACE or LOW/MED) TRACE Date Received: 01/08/2010
% 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	2.29	2.1	J
02		Unknown	4.96	94	J
03		Unknown	10.45	3.4	JXB
04	66-25-1	Hexanal	11.83	3.3	NJ
05		Unknown	15.20	0.73	J
06		Unknown alcohol	15.58	1.1	J
07	124-19-6	Nonanal	16.38	2.3	NJ
08	112-31-2	Decanal	17.38	1.1	NJ
09		Unknown	18.14	0.92	J
10		Unknown	19.26	0.59	J
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	1.2	J

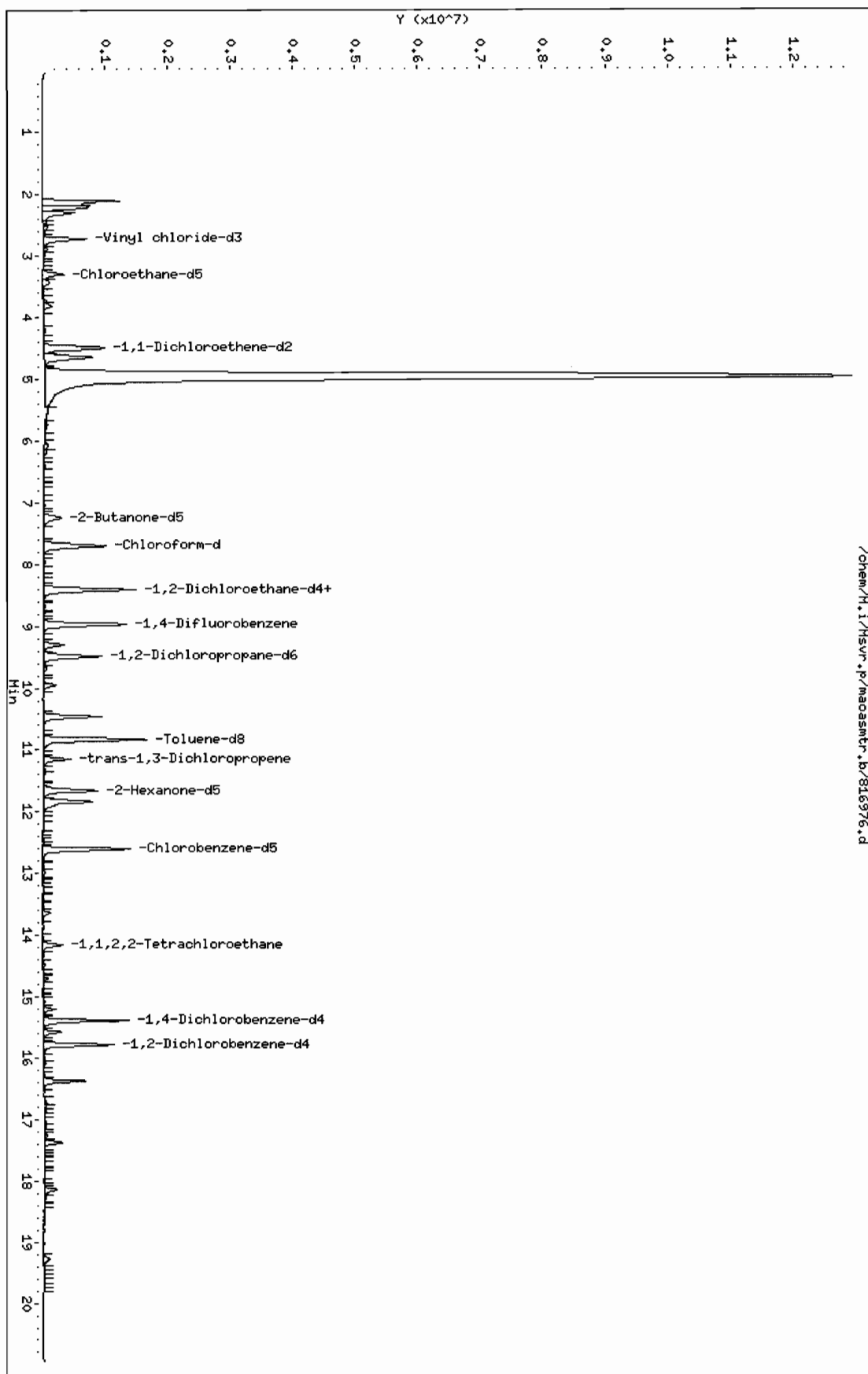
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/macosmtr.b/816976.d
Date : 19-JAN-2010 11:56
Client ID: B03211-212
Sample Info: ISCO SB03 211-212 : (10L/07/10 @1145(WATER))
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: HRV
Column diameter: 0.53

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Data File: /chem/M.i/Msvr.p/maoasmtr.b/816976.d
Report Date: 27-Jan-2010 13:51

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/816976.d
Lab Smp Id: 816976 Client Smp ID: B03211-212
Inj Date : 19-JAN-2010 11:56
Operator : MRV Inst ID: M.i
Smp Info : ISCO SB03 211-212 :[]01/07/10 @1145(WATER)
Misc Info : 816976,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 27-Jan-2010 13:47 jdl Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 9
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	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	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)	875444	4.84522	4.8
4 Vinyl chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chloroethane-d5	69		3.295	3.294	(0.367)	723222	5.10086	5.1
7 Chloroethane	64					Compound Not Detected.		
8 Trichlorofluoromethane	101					Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63		4.482	4.480	(0.500)	1699257	4.33033	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		4.640	4.629	(0.517)	2551340	523.369	520 (A)
13 Carbon disulfide	76		4.857	4.856	(0.541)	166591	0.39016	0.39 (a)
14 Methyl acetate	43					Compound Not Detected.		

Compounds	QUANT SIG	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	7.240	7.229	(0.807)	663998	52.2008	52
20 cis-1,2-Dichloroethene	96		Compound Not	Detected.			
21 2-Butanone	43	7.320	7.308	(0.816)	40111	3.30853	3.3 (aM)
22 Bromochloromethane	128		Compound Not	Detected.			
\$ 23 Chloroform-d	84	7.695	7.684	(0.858)	1342730	5.14208	5.1 (Q)
24 Chloroform	83	7.725	7.714	(0.861)	314580	1.26911	1.3
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	8.386	(0.936)	401338	4.83976	4.8 (Q)
\$ 29 Benzene-d6	84	8.407	8.396	(0.667)	2008327	5.18940	5.2
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)	1934130	5.00000	
33 Trichloroethene	95	9.297	9.296	(0.738)	228064	1.26686	1.3
\$ 34 1,2-Dichloropropane-d6	67	9.485	9.484	(0.753)	932241	4.75201	4.8
35 Methylcyclohexane	55		Compound Not	Detected.			
36 1,2-Dichloropropane	63		Compound Not	Detected.			
37 Bromodichloromethane	83	9.950	9.949	(0.790)	227722	1.26599	1.3
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	(0.860)	2047214	5.09957	5.1
41 Toluene	91		Compound Not	Detected.			
\$ 42 trans-1,3-Dichloropropene-d4	79	11.146	11.145	(0.885)	452419	4.68834	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	11.651	11.649	(0.925)	703166	53.9800	54
47 2-Hexanone	43		Compound Not	Detected.			
48 Dibromochloromethane	129	11.898	11.907	(0.944)	109743	1.19771	1.2
49 1,2-Dibromoethane	107		Compound Not	Detected.			
* 50 Chlorobenzene-d5	117	12.600	12.599	(1.000)	1395319	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	173	13.648	13.647	(0.887)	17967	0.37883	0.38 (a)
57 Isopropylbenzene	105		Compound Not	Detected.			
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.162	14.161	(1.124)	344762	5.01926	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)	630247	5.00000	
62 1,4-Dichlorobenzene	146		Compound Not	Detected.			

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.784	15.783	(1.026)	483001	4.99434	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

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount
exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/816976.d
Lab Smp Id: 816976 Client Smp ID: B03211-212
Inj Date : 19-JAN-2010 11:56
Operator : MRV Inst ID: M.i
Smp Info : ISCO SB03 211-212 :[]01/07/10 @1145(WATER)
Misc Info : 816976,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 27-Jan-2010 13:47 jdl Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 9
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	4947027	5.000
* 50 Chlorobenzene-d5	12.600	4778503	5.000
* 61 1,4-Dichlorobenzene-d4	15.388	4281597	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown				CAS #:			
2.286	2031781	2.05353702	2.1	0		0	32

Data File: /chem/M.i/Msvr.p/maoasmtr.b/816976.d
 Report Date: 27-Jan-2010 13:51

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RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL (ug/L)	FINAL (ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown alkane				CAS #:			
3.434	520656	0.52623104	0.53	0		0	32
Unknown alkane				CAS #:			
3.819	630082	0.63682922	0.64	0		0	32
Unknown				CAS #:			
4.956	93379981	94.3798812	94	0		0	32
Unknown				CAS #:			
10.454	3386606	3.42286969	3.4	0		0	32
Hexanal				CAS #: 66-25-1			
11.829	3197045	3.34523633	3.3	94	NIST05.1	3688	50
Unknown				CAS #:			
15.201	624201	0.72893506	0.73	0		0	61
Unknown alcohol				CAS #:			
15.576	914058	1.06742638	1.1	0		0	61
Nonanal				CAS #: 124-19-6			
16.377	1979967	2.31218193	2.3	86	NIST05.1	19202	61
Decanal				CAS #: 112-31-2			
17.376	923498	1.07844987	1.1	91	NIST05.1	27019	61
Unknown				CAS #:			
18.137	791528	0.92433658	0.92	0		0	61
Unknown				CAS #:			
19.265	504549	0.58920693	0.59	0		0	61

Data File: /chem/M.i/Hsvr.p/maoasmtr.b/816976.d

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Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

Purge Volume: 25.0

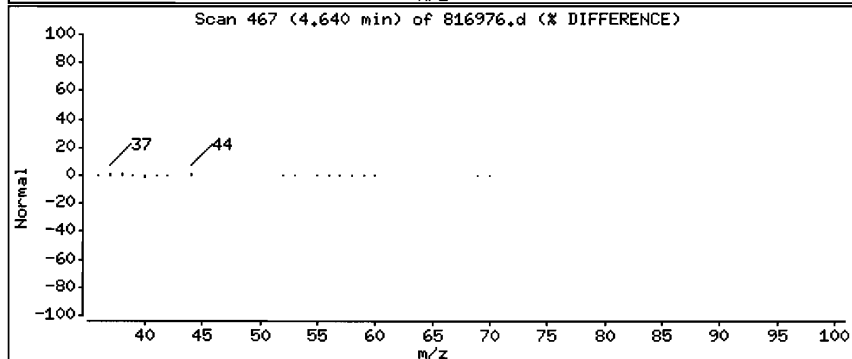
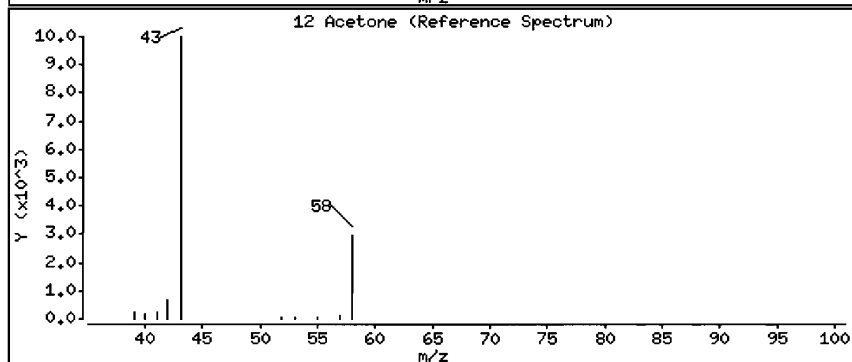
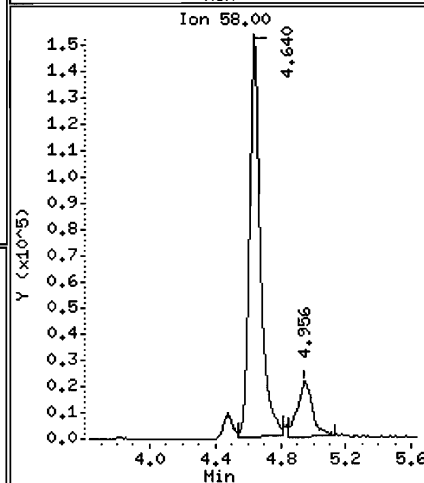
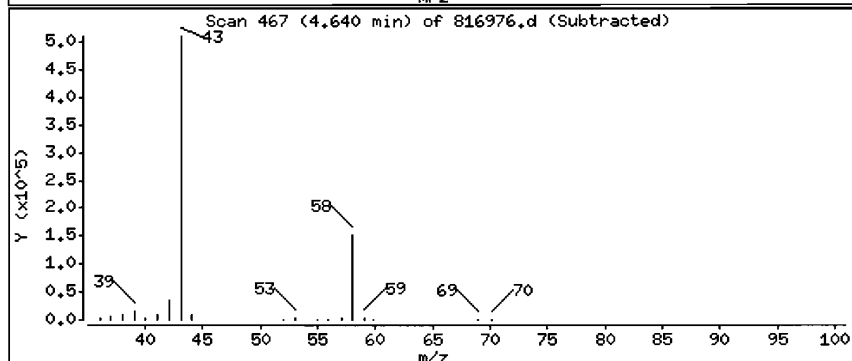
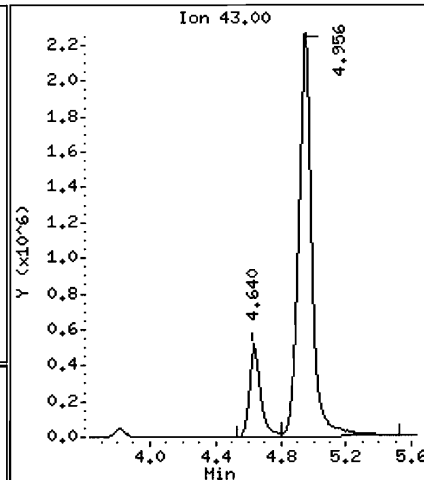
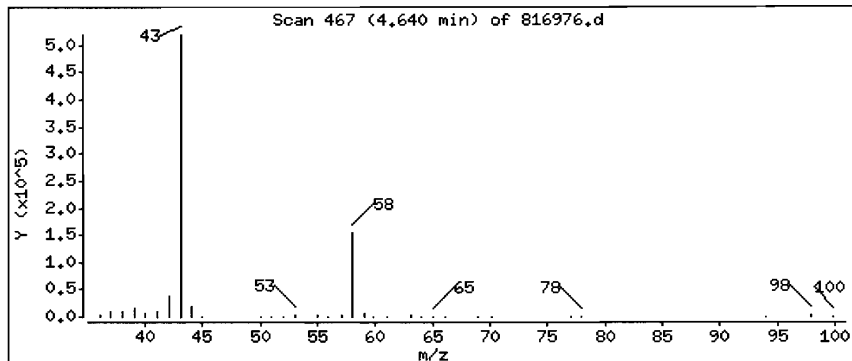
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 520 ug/L



Data File: /chem/M.i/Hsvr.p/maoasmtr.b/816976.d

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Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

Purge Volume: 25.0

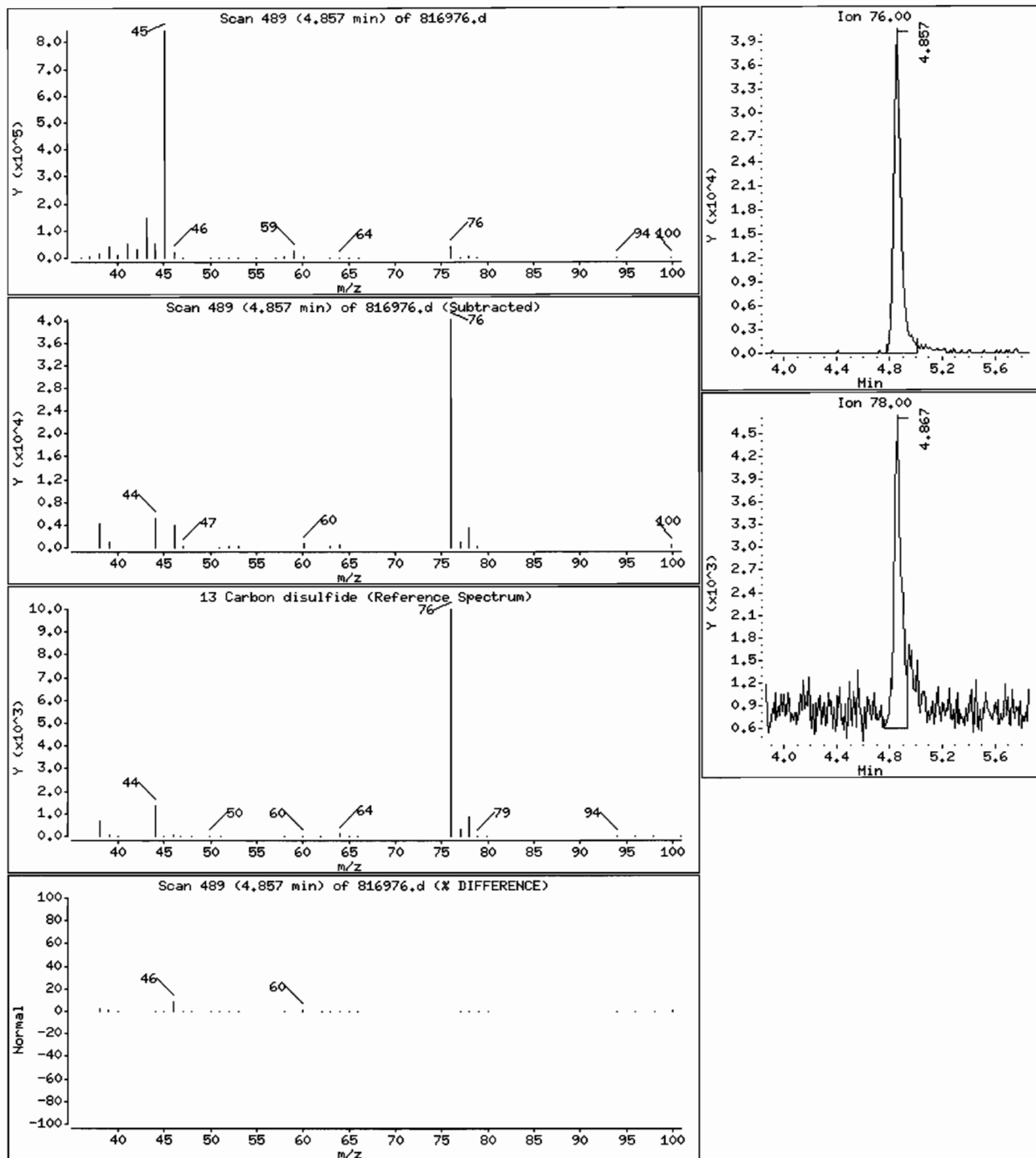
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

13 Carbon disulfide

Concentration: 0.39 ug/L



Data File: /chem/M.i/Msivr.p/maoasmtr.b/816976.d

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Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[J01/07/10 @1145(WATER)

Purge Volume: 25.0

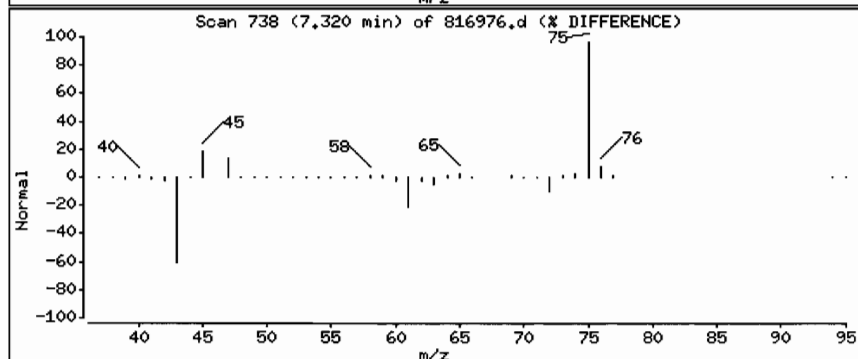
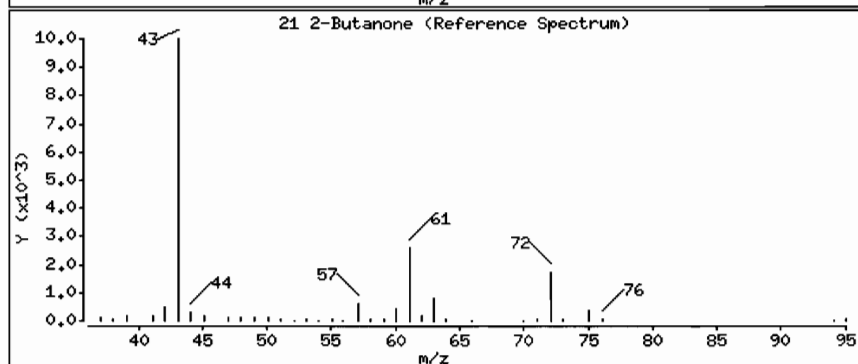
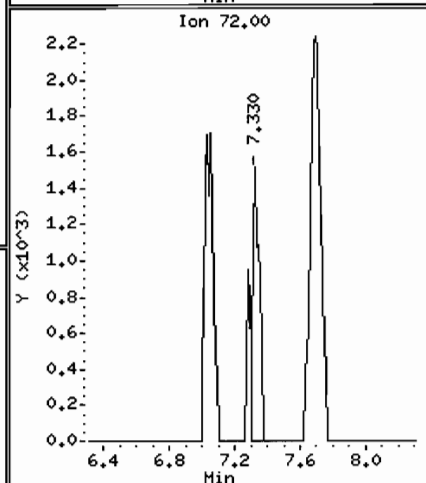
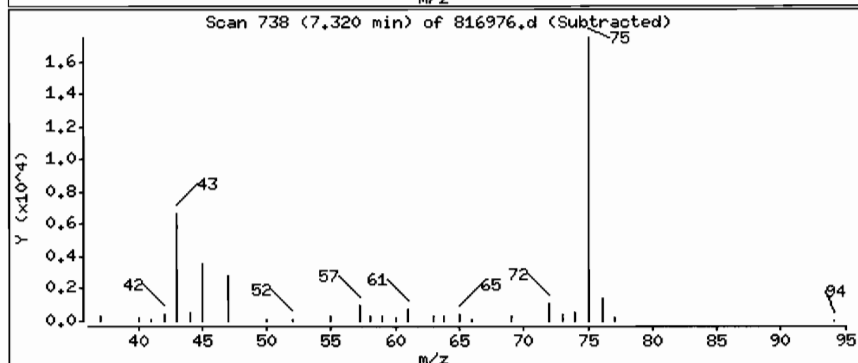
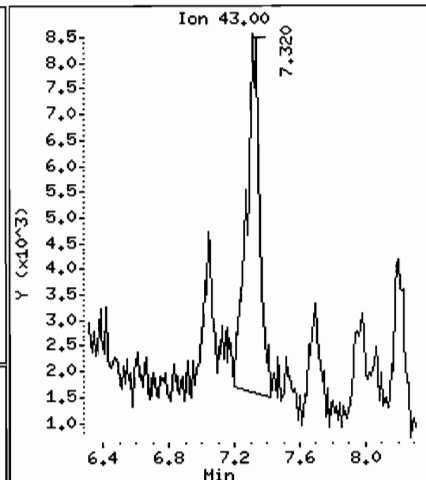
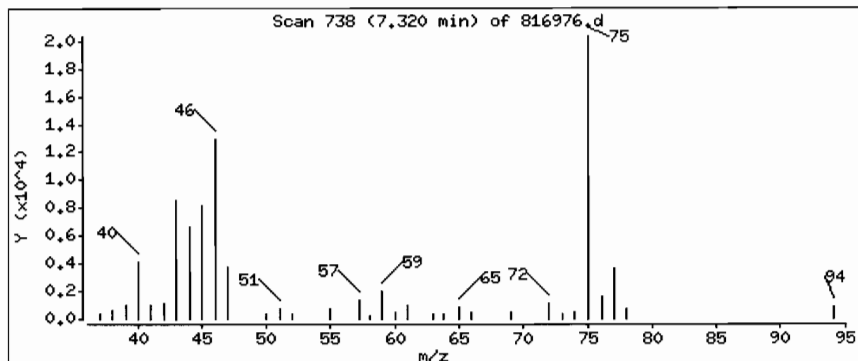
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 3.3 ug/L



Data File: /chem/M.i/Hsvr.p/maoasmr.b/816976.d

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Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

Purge Volume: 25.0

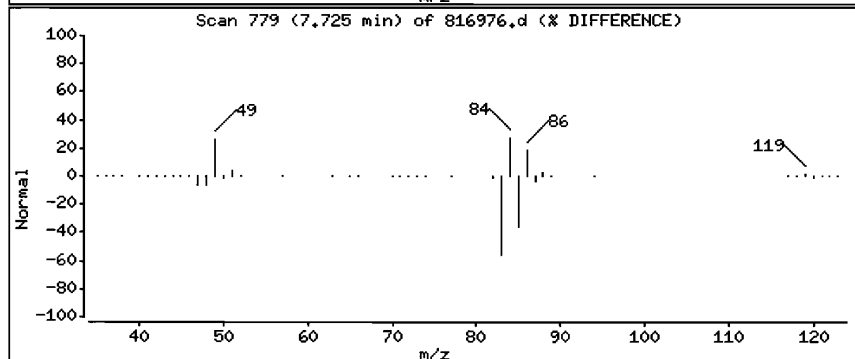
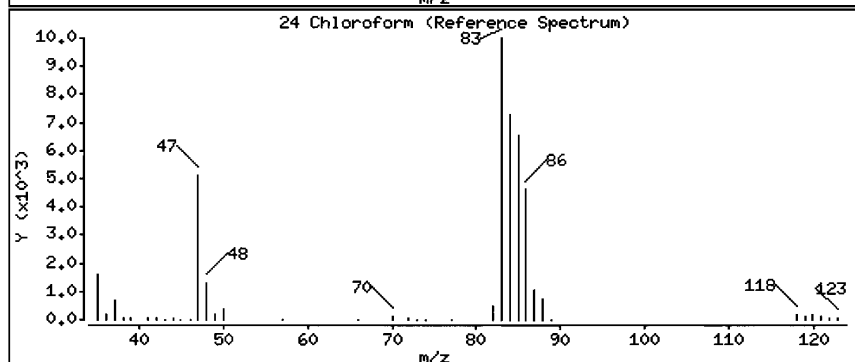
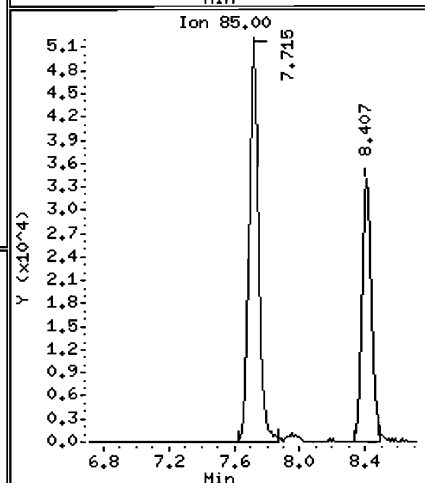
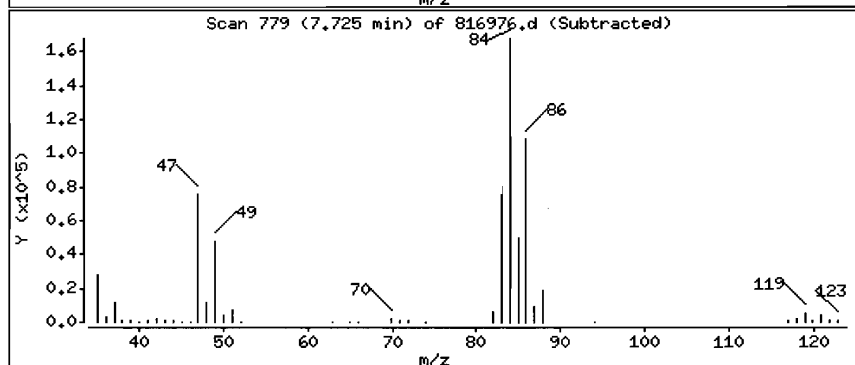
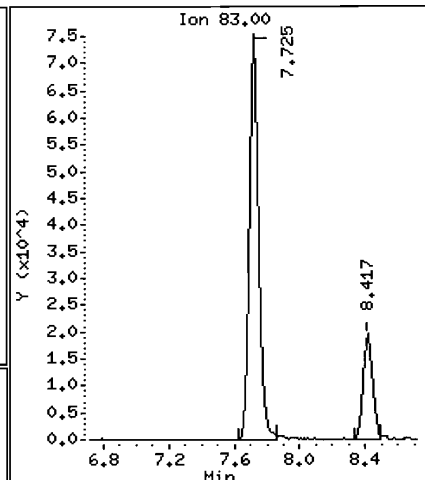
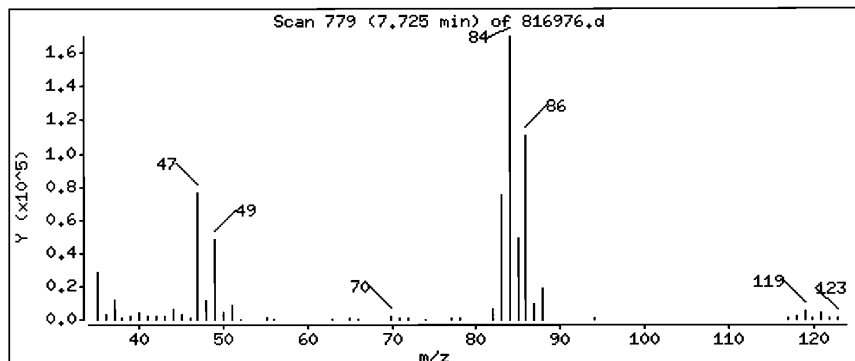
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

24 Chloroform

Concentration: 1.3 ug/L



Data File: /chem/M.i/Hsvr.p/maoasmr.b/816976.d

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Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

Purge Volume: 25.0

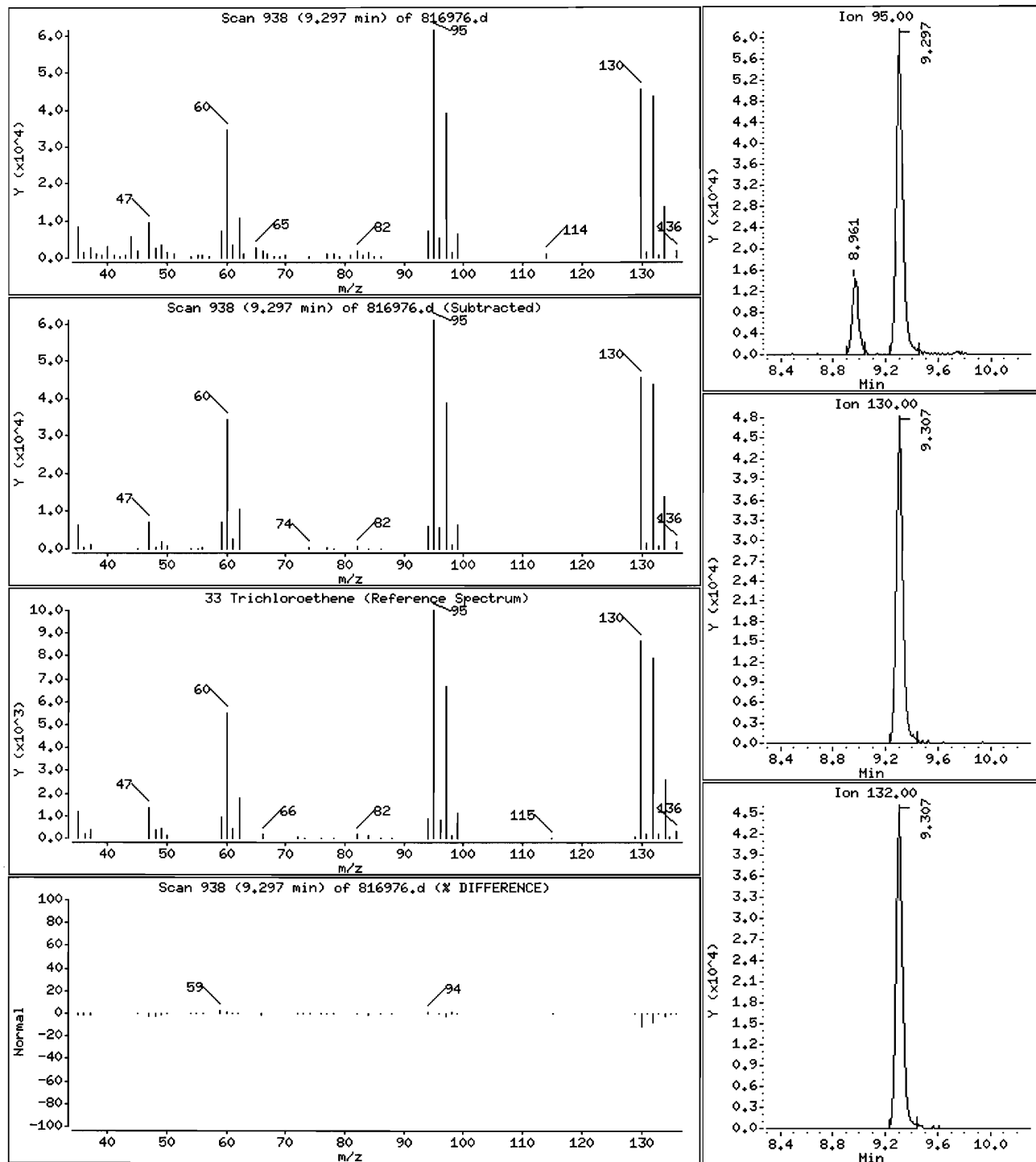
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 1.3 ug/L



Data File: /chem/M.i/Hsvr.p/maoasmr.b/816976.d

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Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

Purge Volume: 25.0

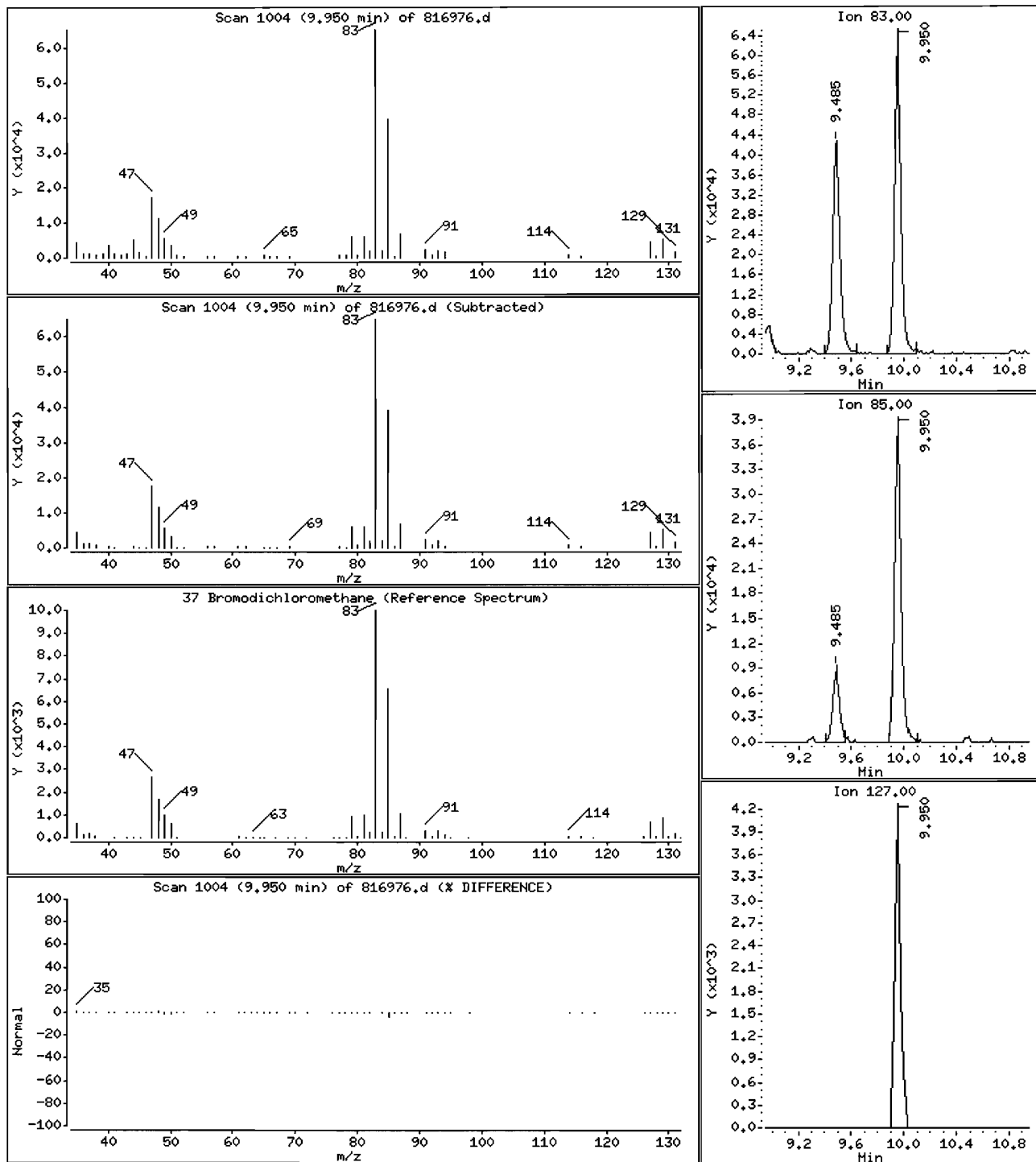
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

37 Bromodichloromethane

Concentration: 1.3 ug/L



Data File: /chem/M.i/Msivr.p/maoasmtr.b/816976.d

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Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

Purge Volume: 25.0

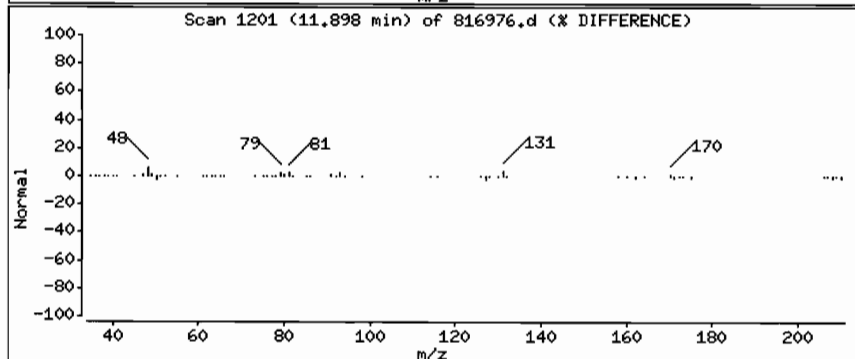
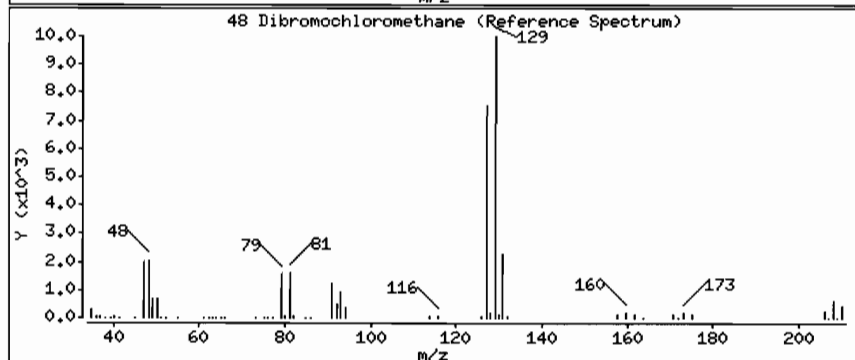
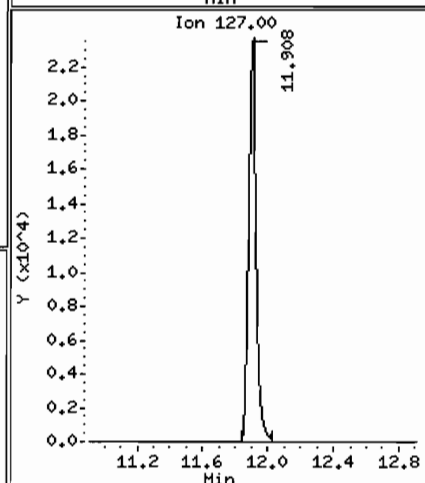
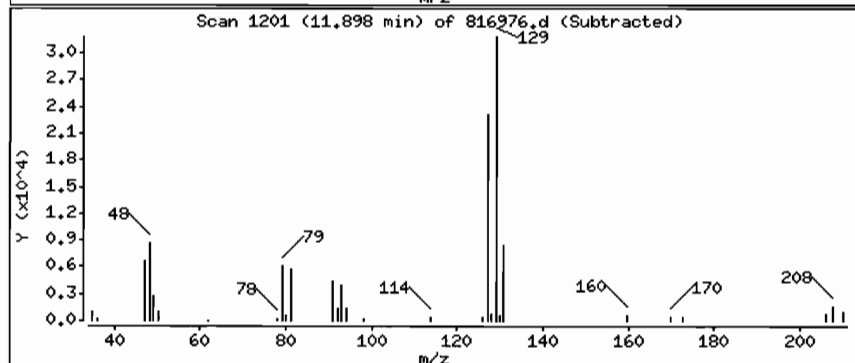
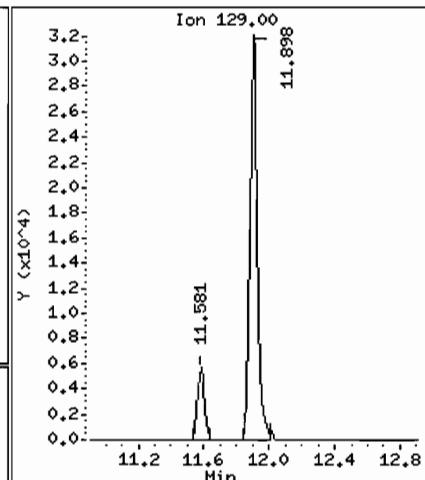
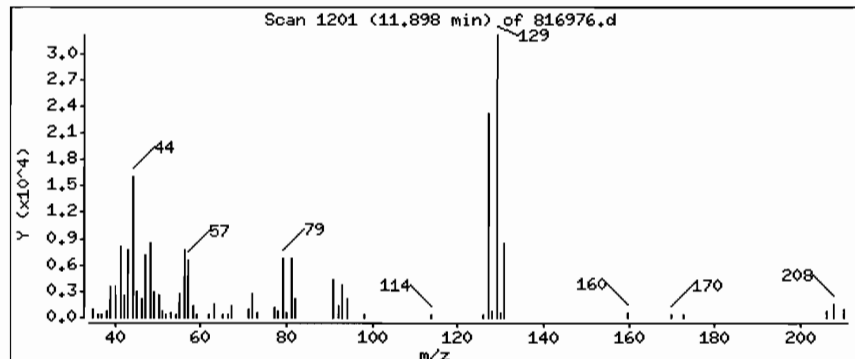
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

48 Dibromochloromethane

Concentration: 1.2 ug/L



Data File: /chem/M.i/Hsvr,p/maoasmr,b/816976.d

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Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

Purge Volume: 25.0

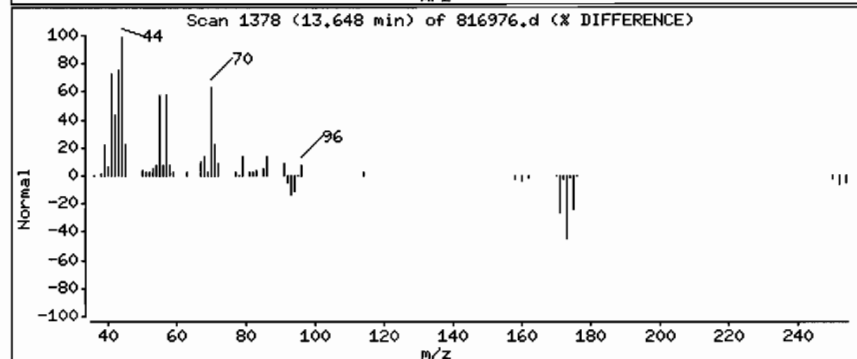
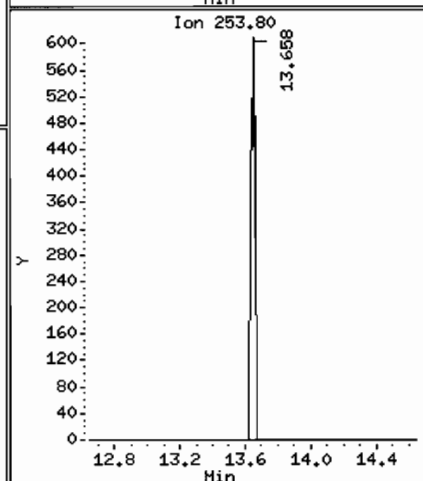
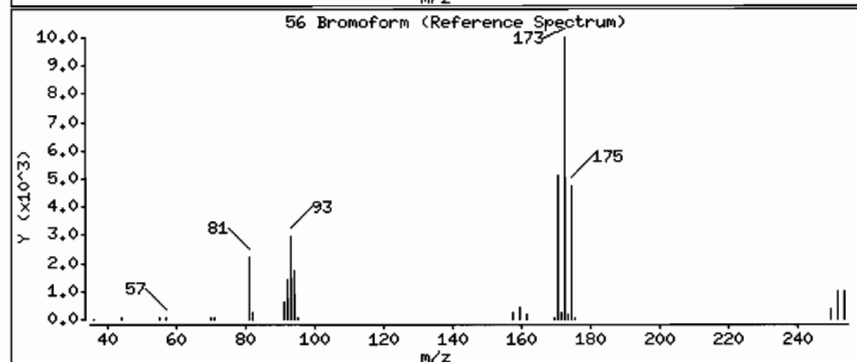
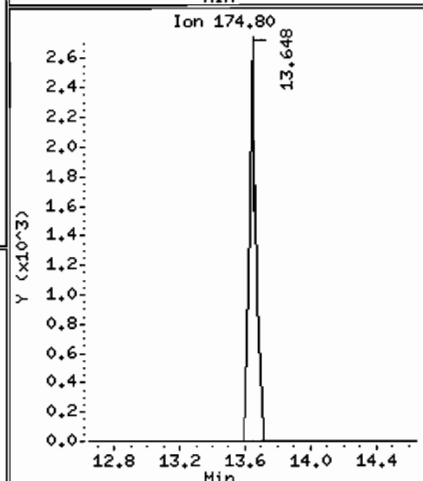
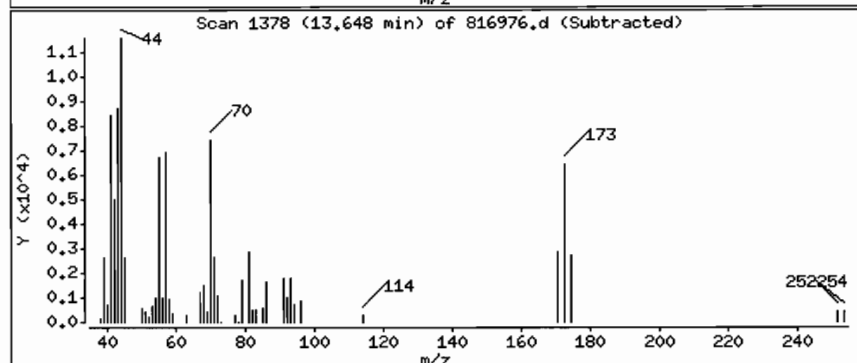
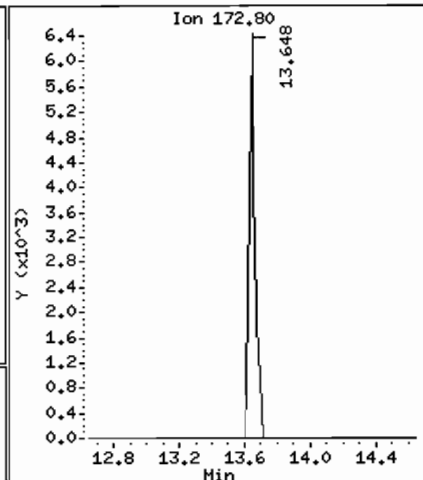
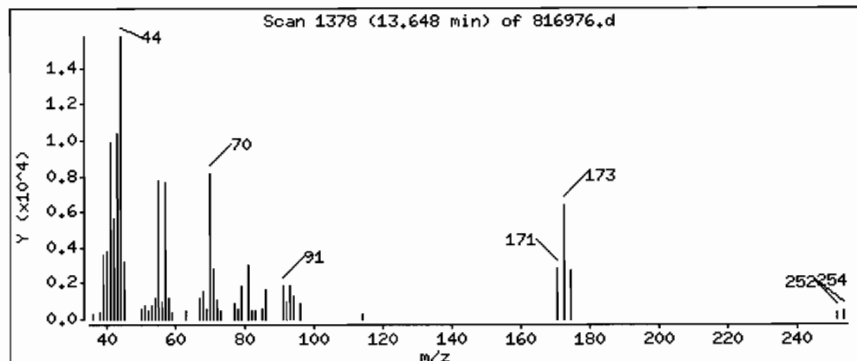
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

56 Bromoform

Concentration: 0.38 ug/L



Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

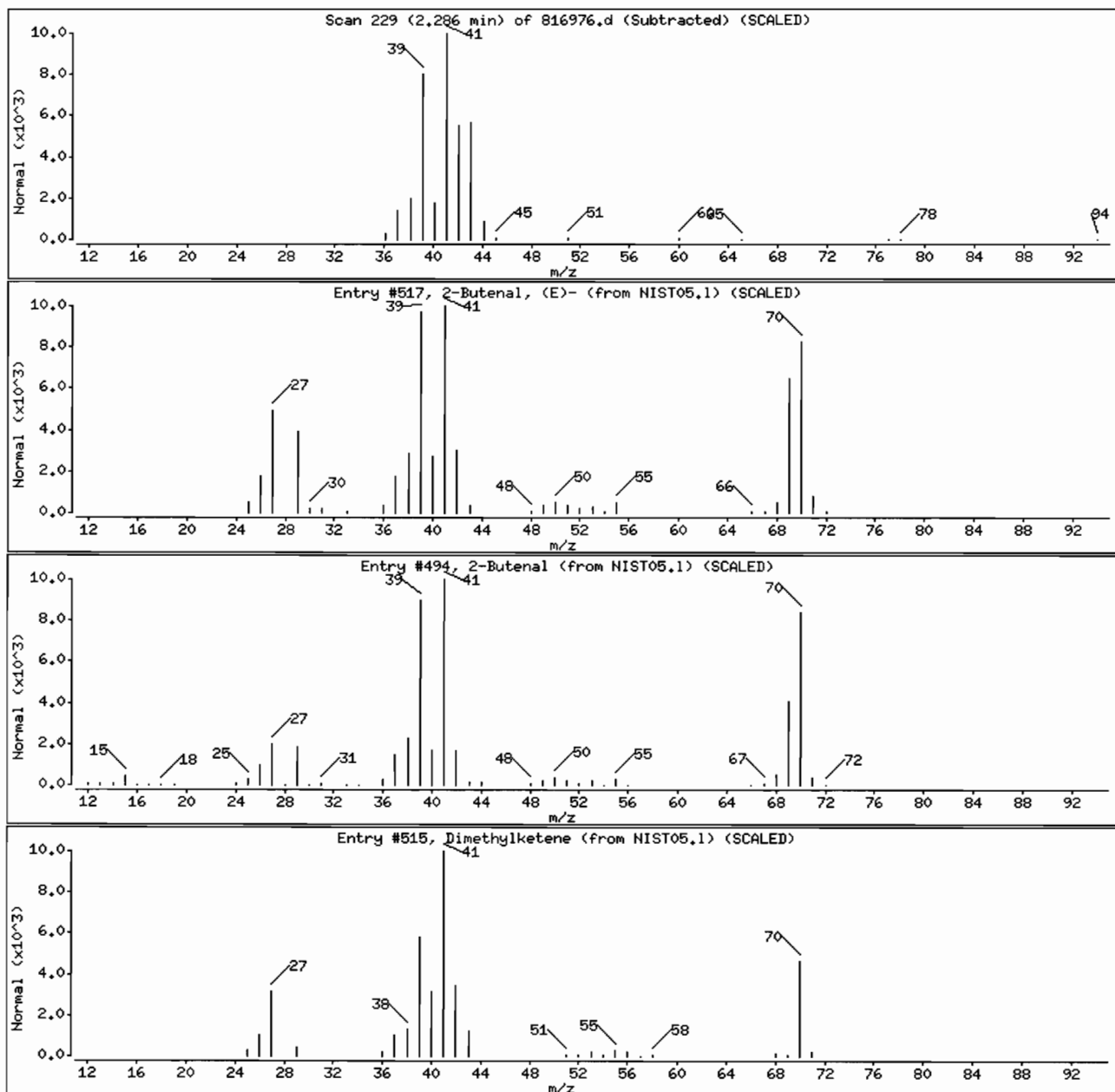
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Butenal, (E)-	123-73-9	NIST05.1	517	78	C4H6O	70
2-Butenal	4170-30-3	NIST05.1	494	43	C4H6O	70
Dimethylketene	598-26-5	NIST05.1	515	43	C4H6O	70



Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

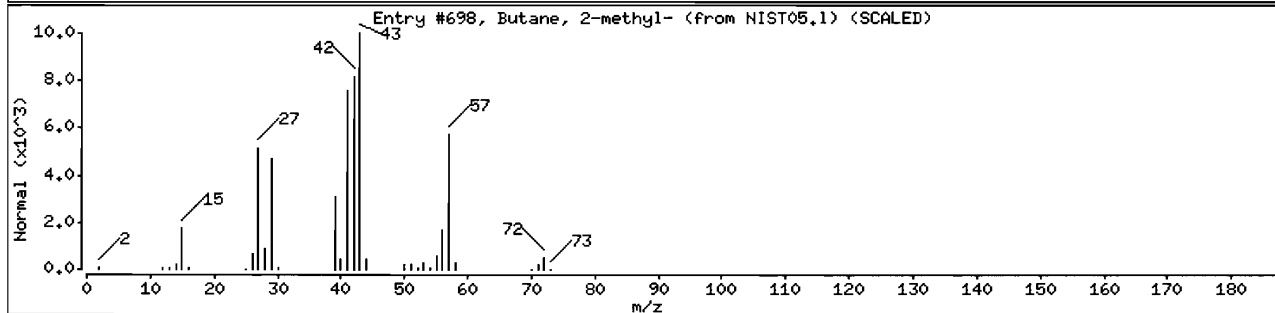
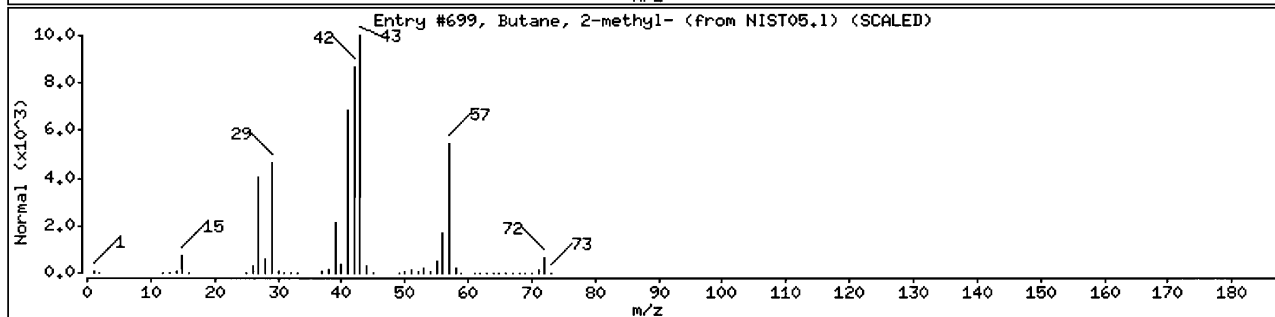
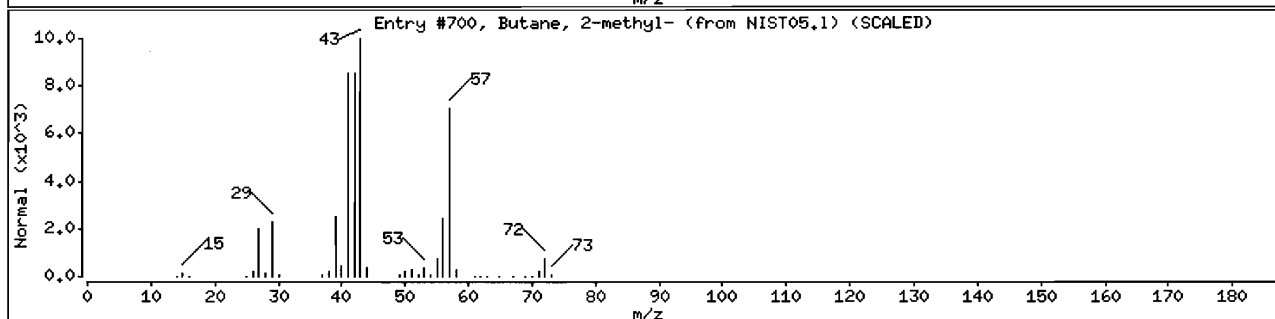
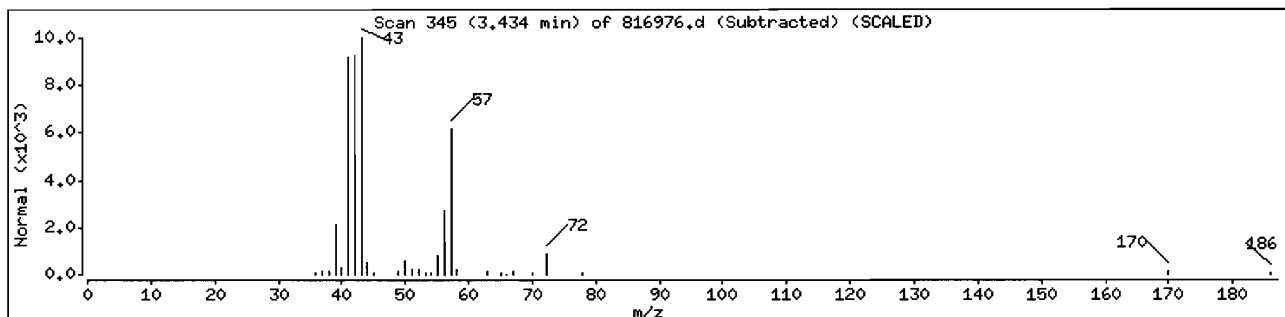
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Butane, 2-methyl-	78-78-4	NIST05.1	700	90	C5H12	72
Butane, 2-methyl-	78-78-4	NIST05.1	699	86	C5H12	72
Butane, 2-methyl-	78-78-4	NIST05.1	698	86	C5H12	72



Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

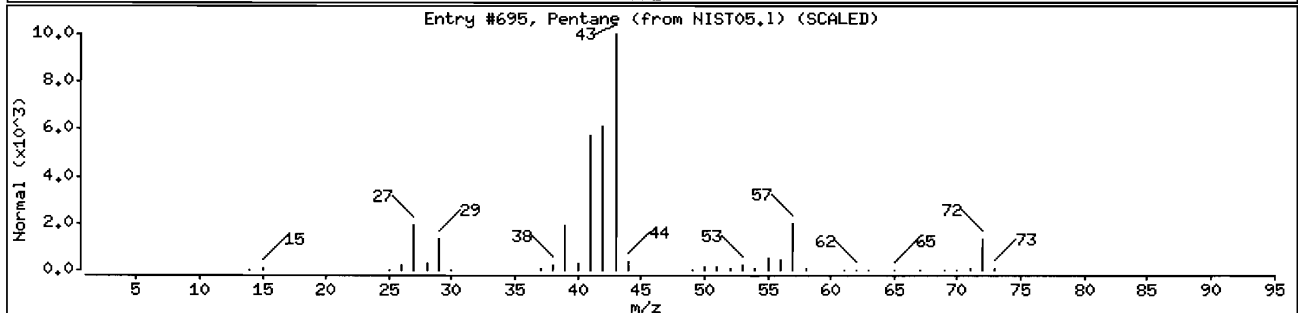
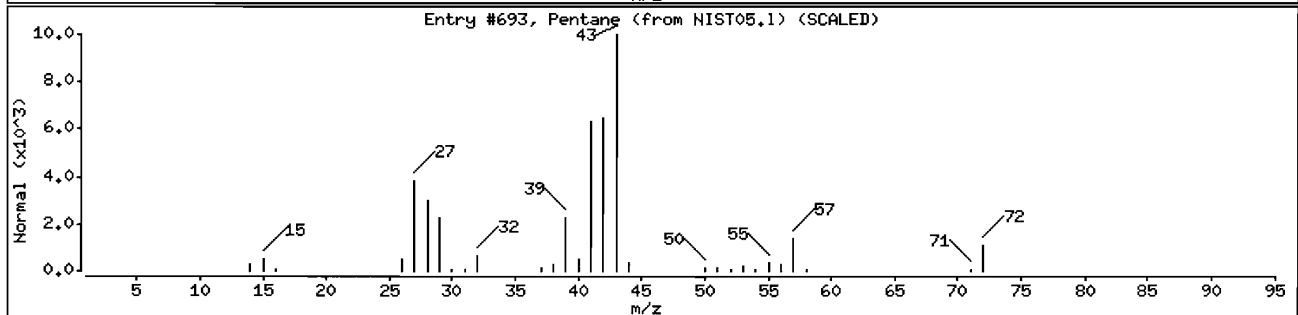
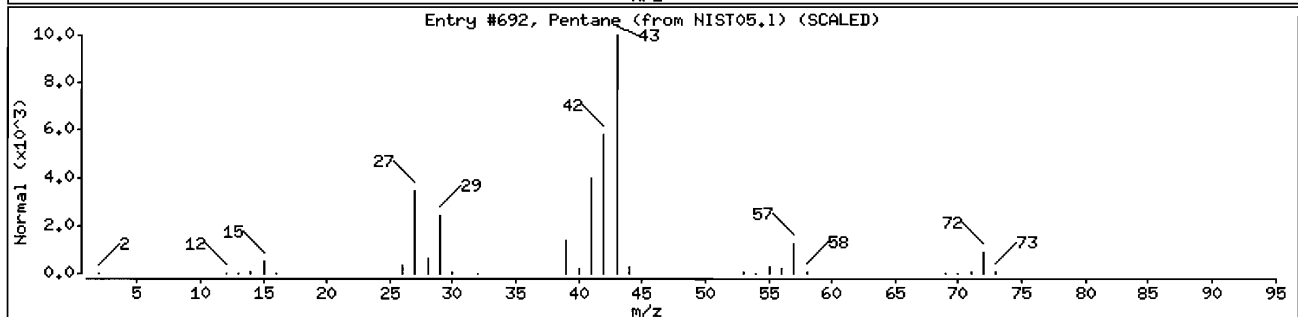
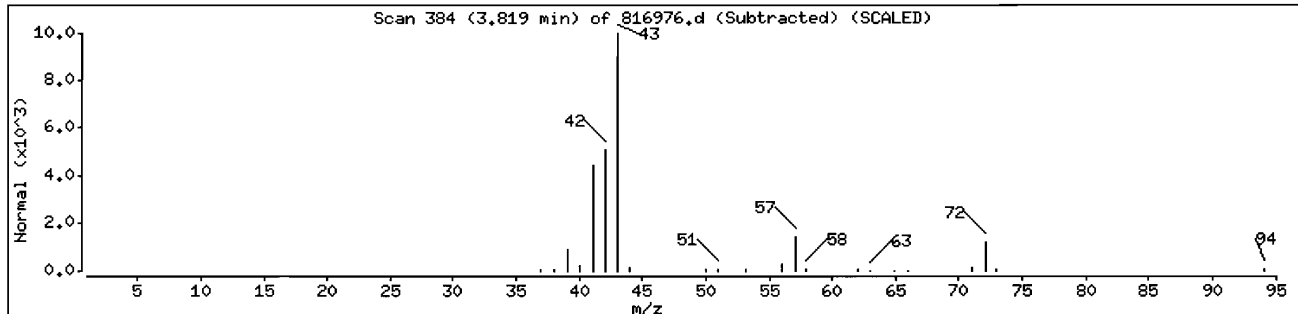
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Pentane	109-66-0	NIST05.1	692	86	C5H12	72
Pentane	109-66-0	NIST05.1	693	78	C5H12	72
Pentane	109-66-0	NIST05.1	695	78	C5H12	72



Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

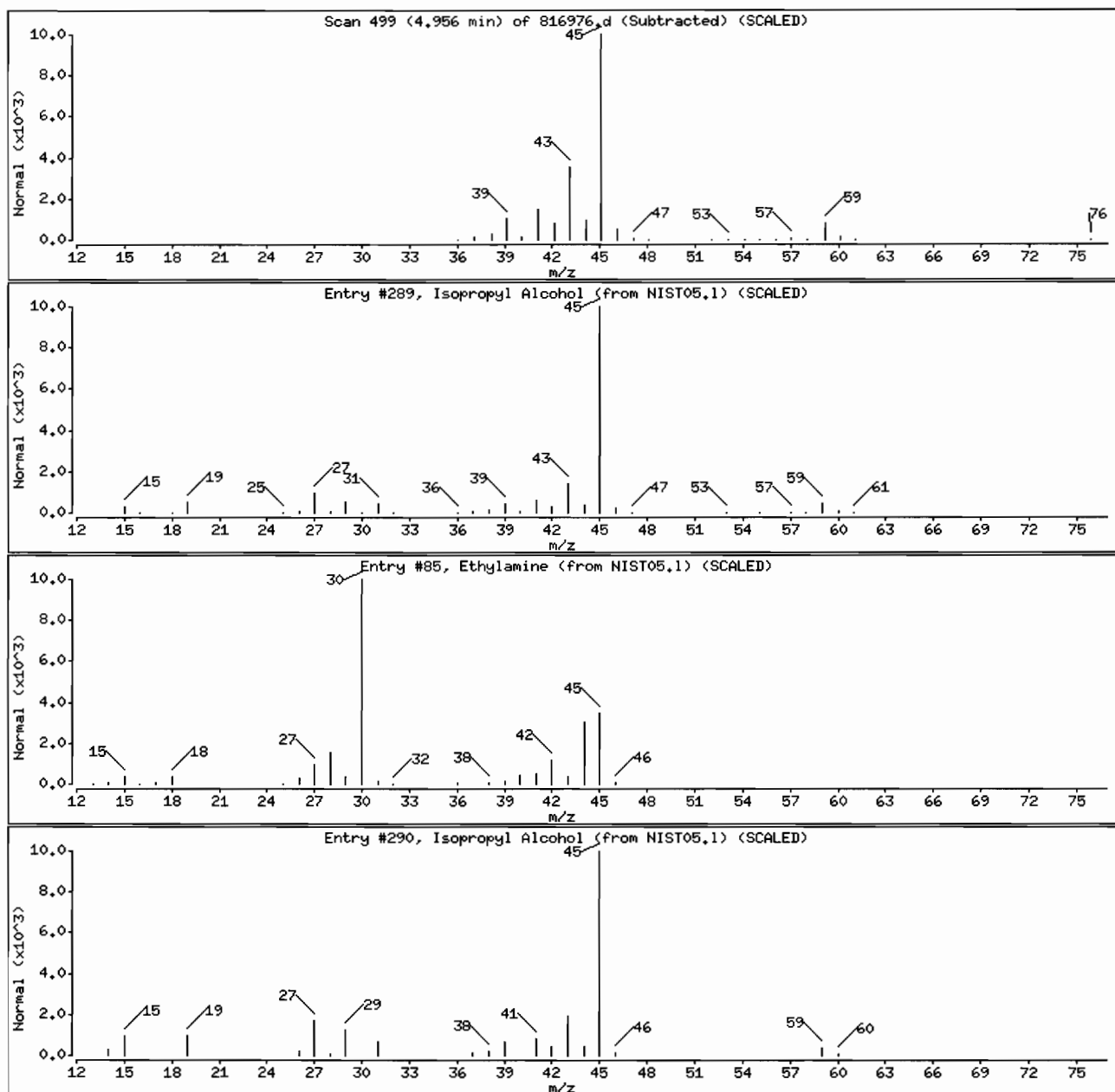
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Isopropyl Alcohol	67-63-0	NIST05.1	289	10	C3H8O	60
Ethylamine	75-04-7	NIST05.1	85	9	C2H7N	45
Isopropyl Alcohol	67-63-0	NIST05.1	290	9	C3H8O	60



Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

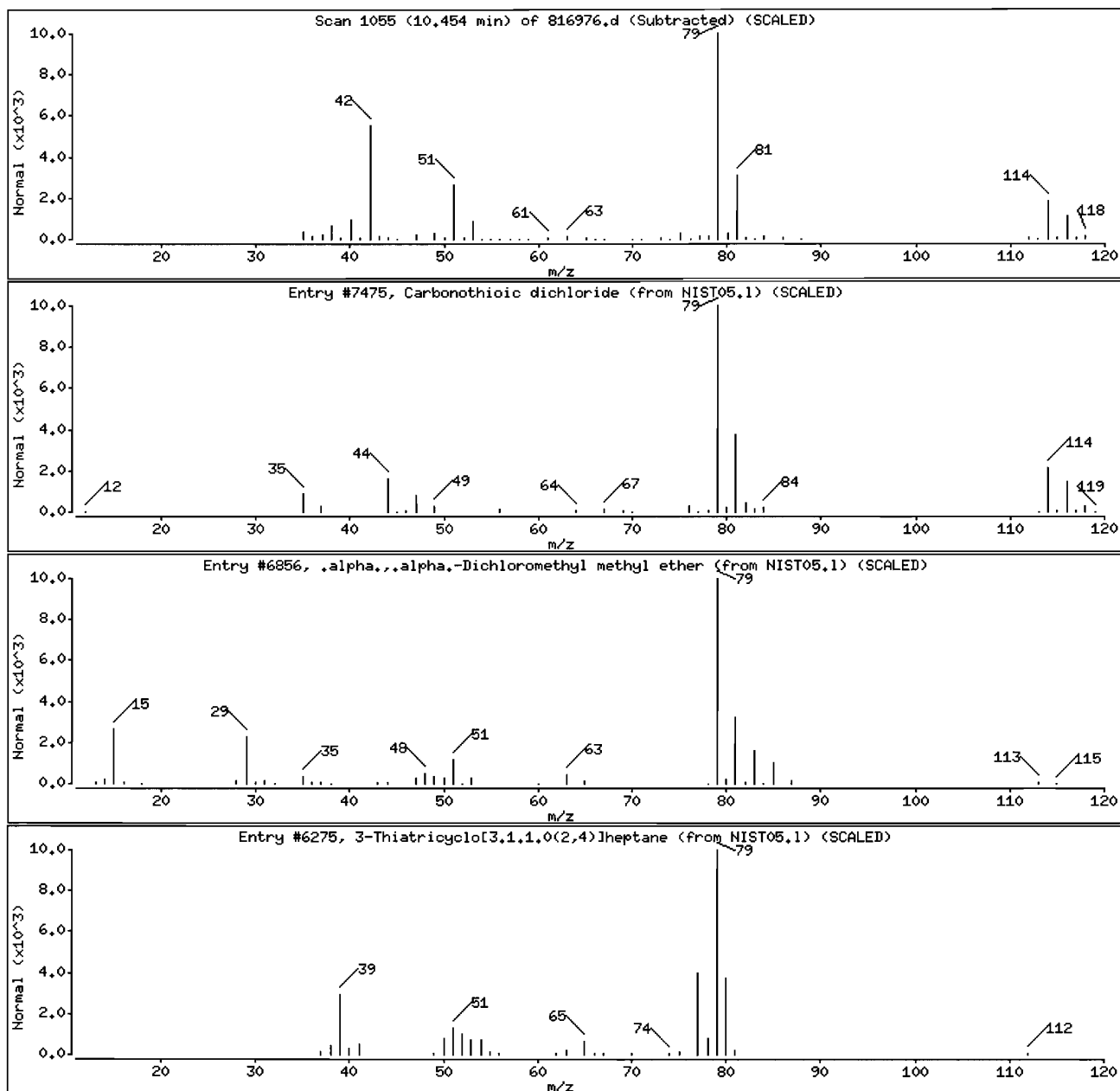
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	47	CCl ₂ S	114
.alpha.,.alpha.-Dichloromethyl methyl et	4885-02-3	NIST05.1	6856	37	C ₂ H ₄ Cl ₂ O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	112



Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

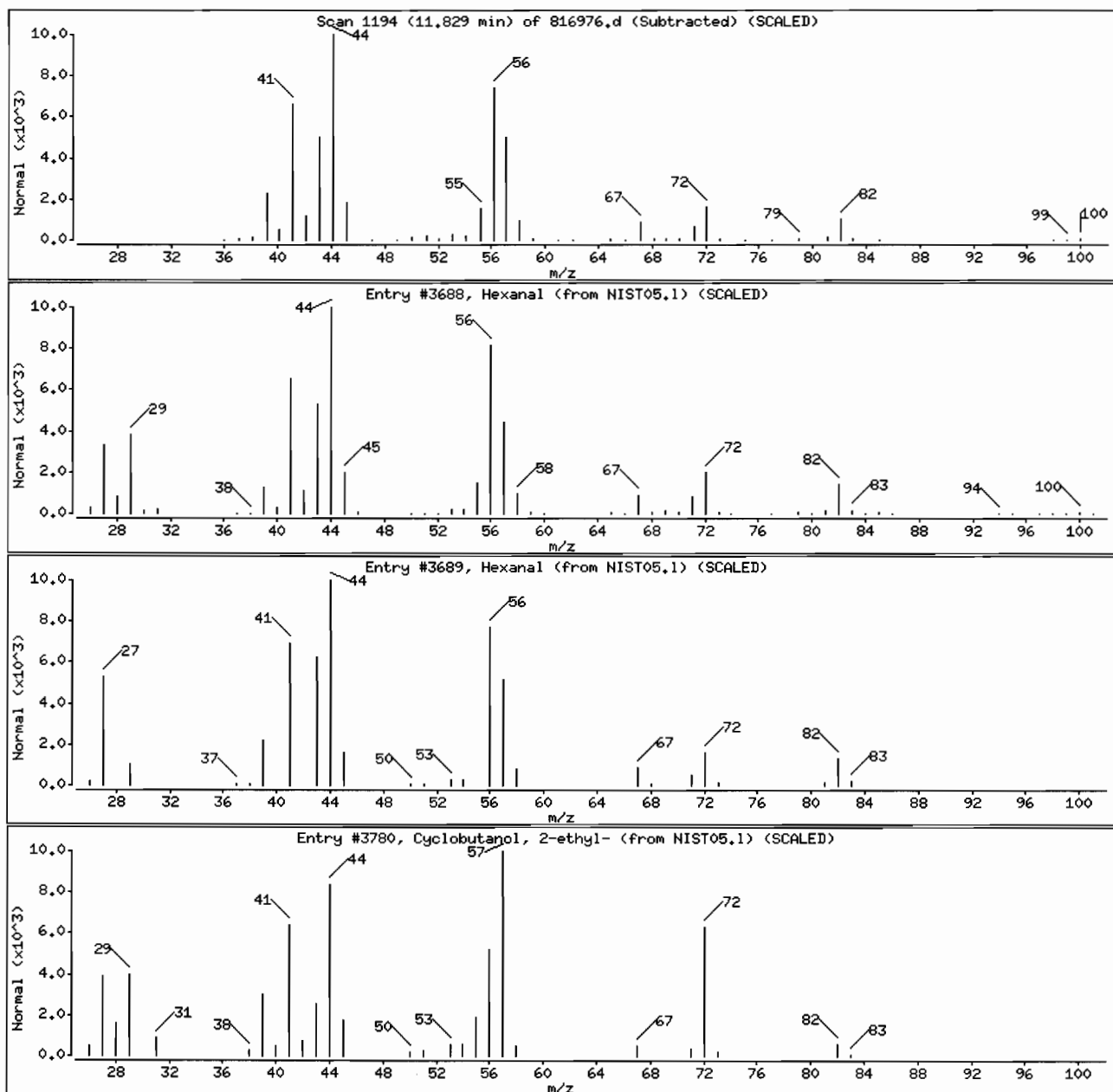
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	NIST05.1	3688	94	C ₆ H ₁₂ O	100
Hexanal	66-25-1	NIST05.1	3689	86	C ₆ H ₁₂ O	100
Cyclobutanol, 2-ethyl-	35301-43-0	NIST05.1	3780	64	C ₆ H ₁₂ O	100



Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

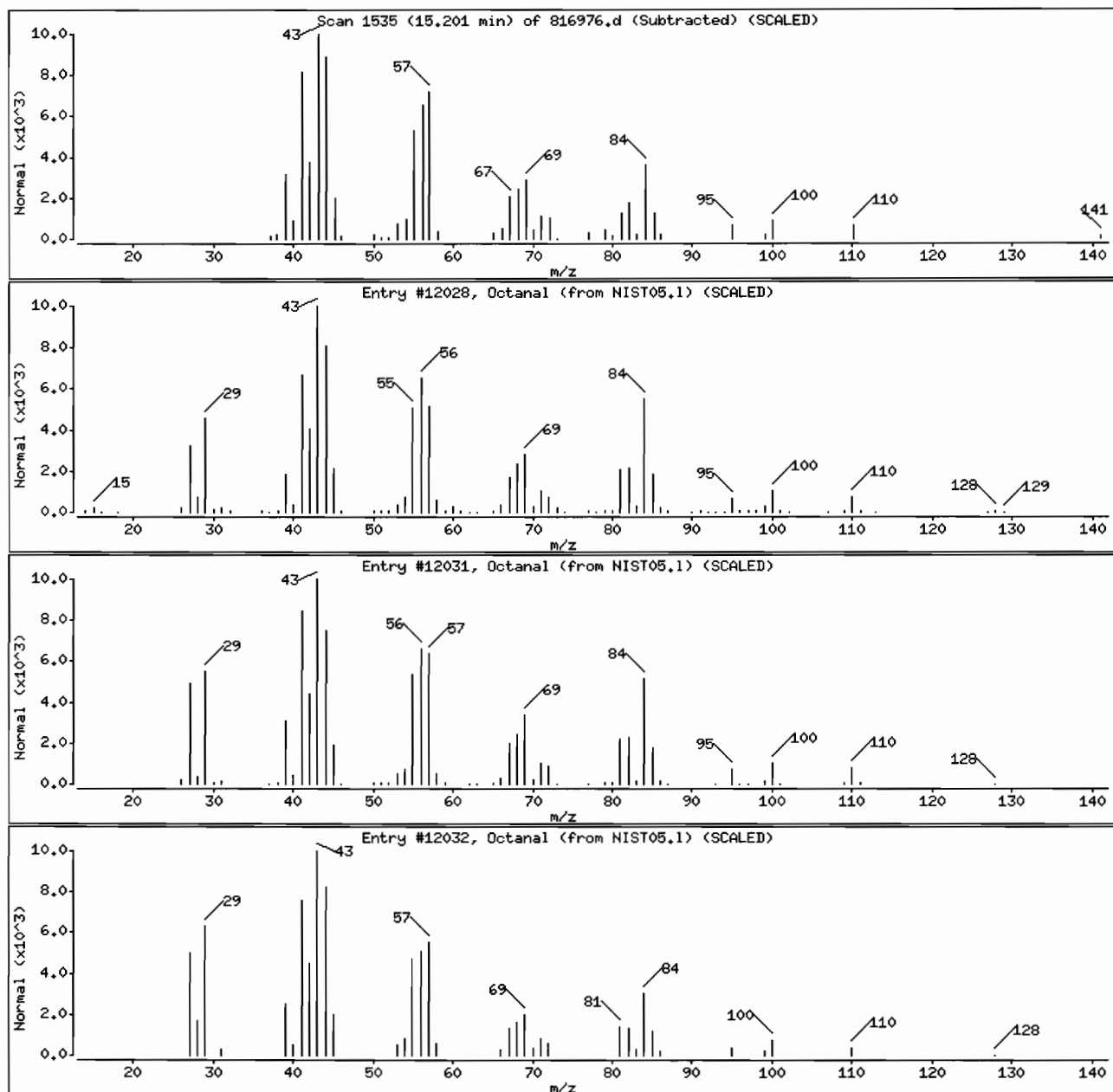
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octanal	124-13-0	NIST05.1	12028	72	C8H16O	128
Octanal	124-13-0	NIST05.1	12031	72	C8H16O	128
Octanal	124-13-0	NIST05.1	12032	72	C8H16O	128



Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

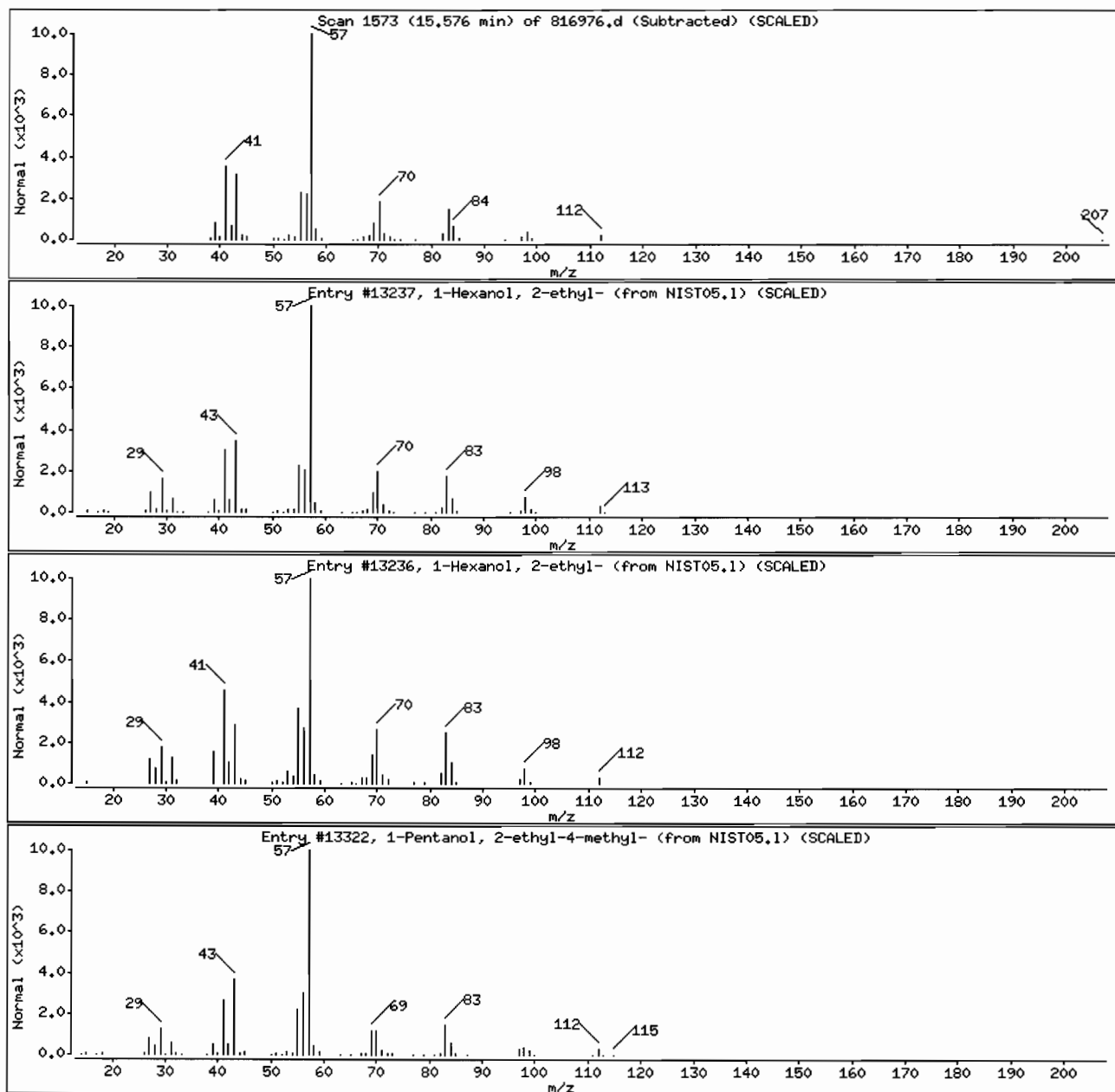
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alcohol						
1-Hexanol, 2-ethyl-	104-76-7	NIST05.1	13237	78	C ₈ H ₁₈ O	130
1-Hexanol, 2-ethyl-	104-76-7	NIST05.1	13236	59	C ₈ H ₁₈ O	130
1-Pentanol, 2-ethyl-4-methyl-	106-67-2	NIST05.1	13322	56	C ₈ H ₁₈ O	130



Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

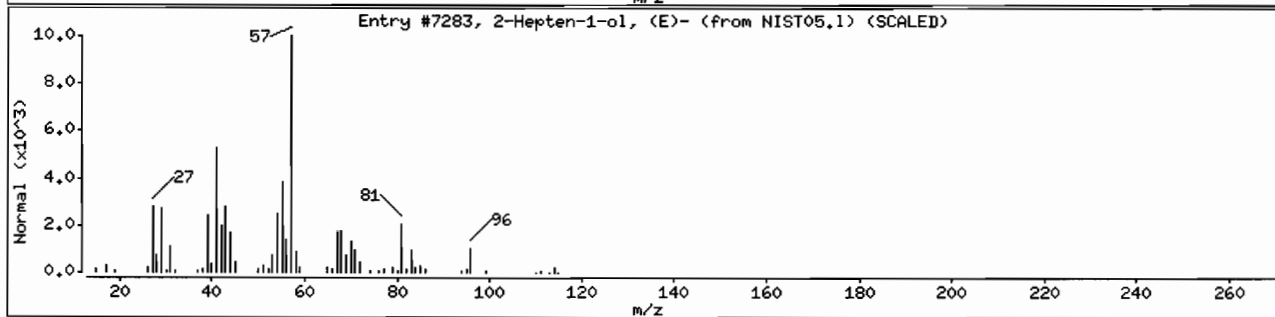
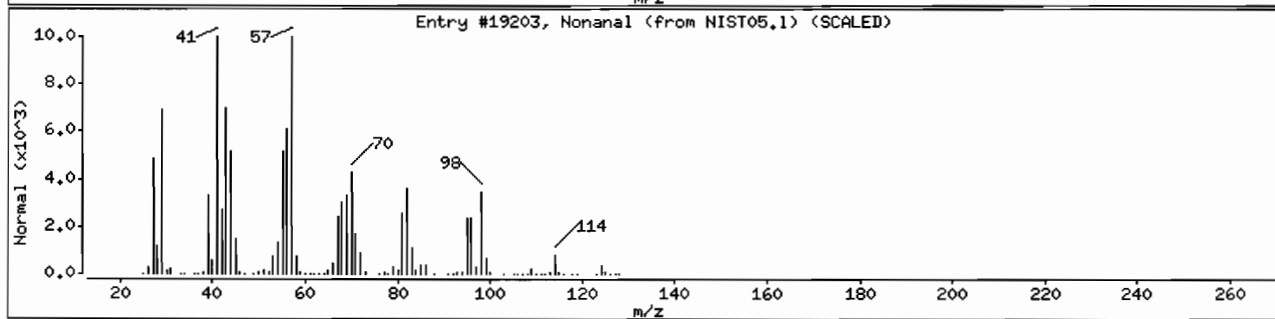
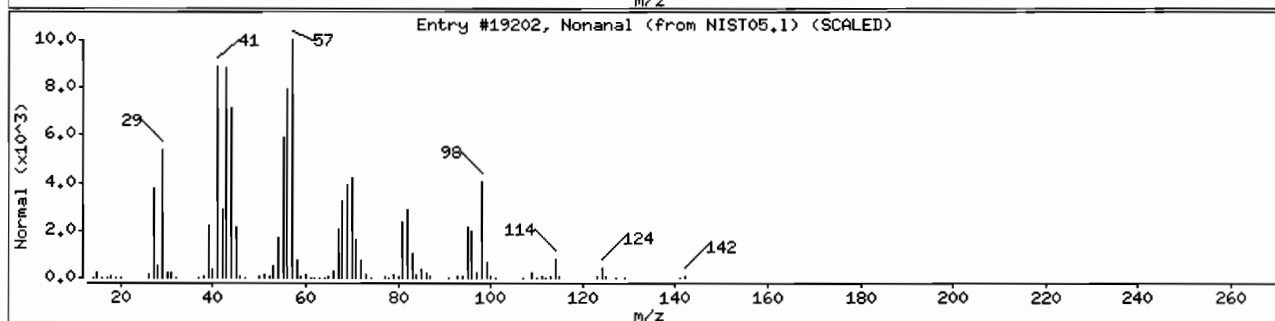
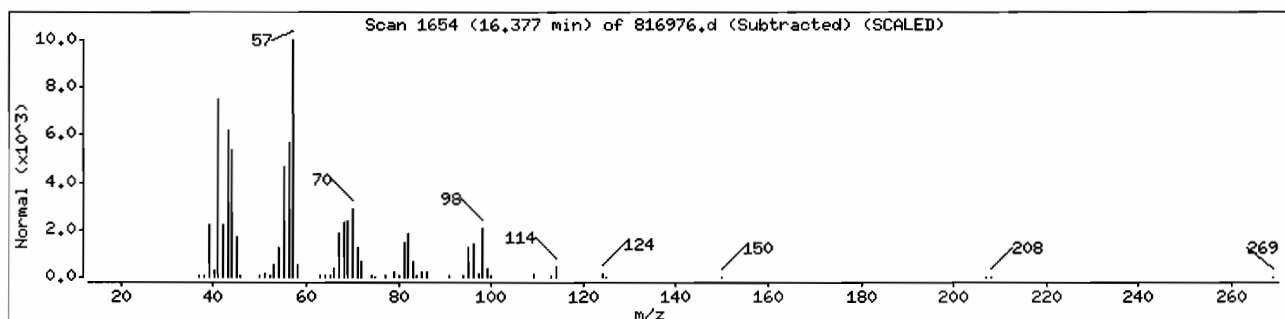
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Nonanal	124-19-6	NIST05.1	19202	86	C ₉ H ₁₈ O	142
Nonanal	124-19-6	NIST05.1	19203	47	C ₉ H ₁₈ O	142
2-Hepten-1-ol, (E)-	33467-76-4	NIST05.1	7283	45	C ₇ H ₁₄ O	114



Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

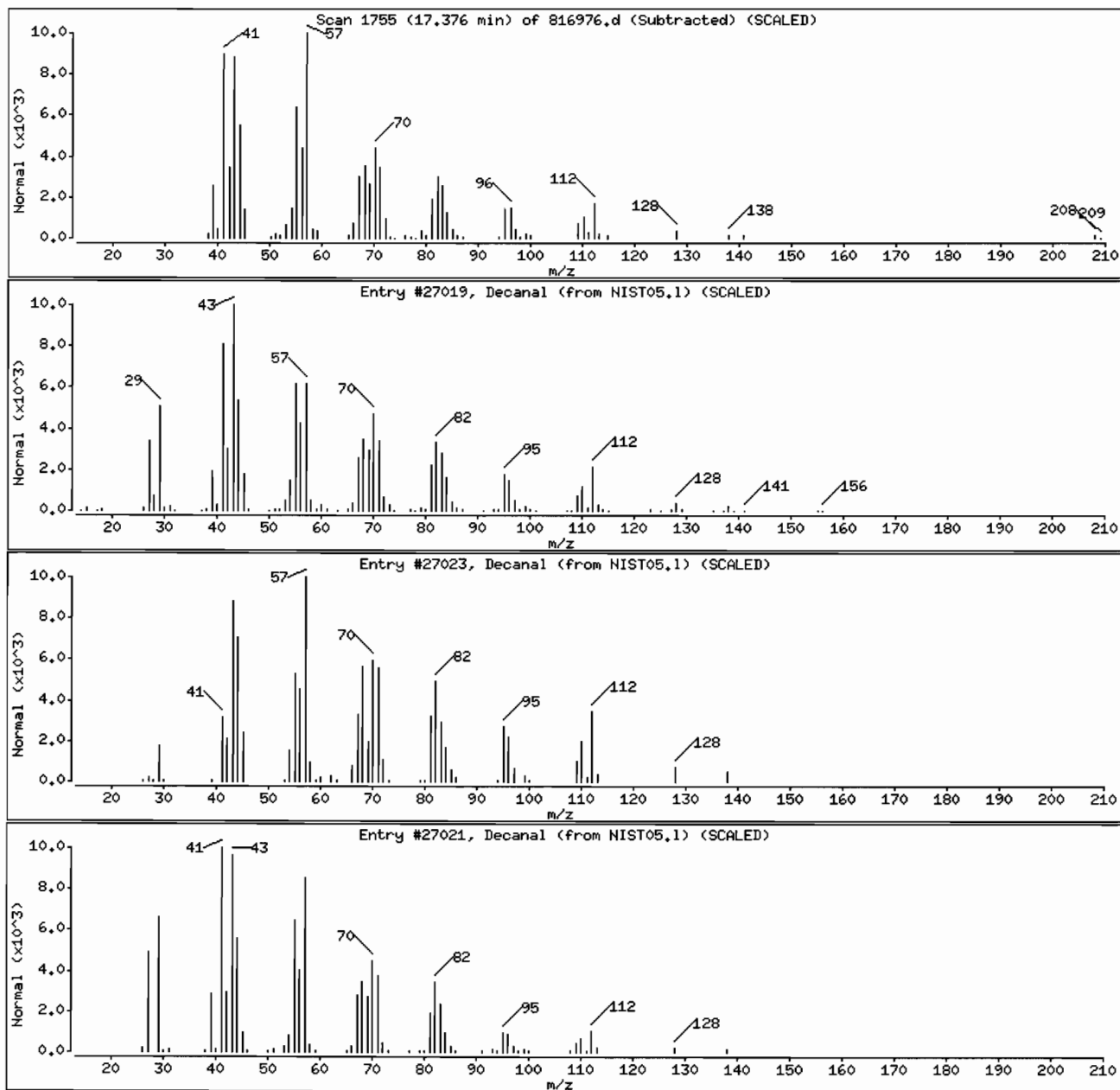
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decanal	112-31-2	NIST05.1	27019	91	C10H20O	156
Decanal	112-31-2	NIST05.1	27023	91	C10H20O	156
Decanal	112-31-2	NIST05.1	27021	91	C10H20O	156



Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

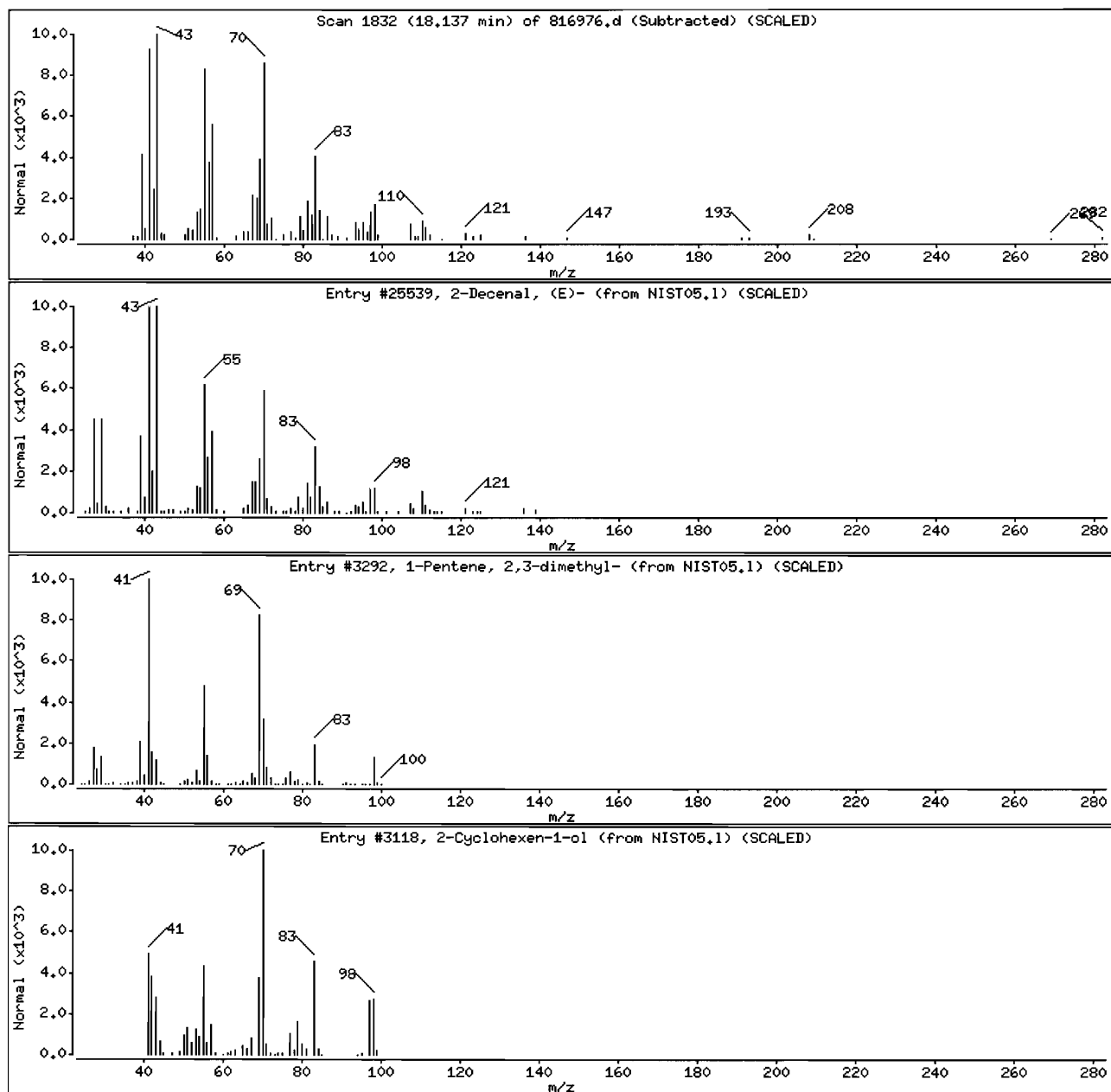
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Decenal, (E)-	3913-81-3	NIST05.1	25539	64	C10H18O	154
1-Pentene, 2,3-dimethyl-	3404-72-6	NIST05.1	3292	64	C7H14	98
2-Cyclohexen-1-ol	822-67-3	NIST05.1	3118	49	C6H10O	98



Date : 19-JAN-2010 11:56

Client ID: B03211-212

Instrument: M.i

Sample Info: ISCO SB03 211-212 :[101/07/10 @1145(WATER)

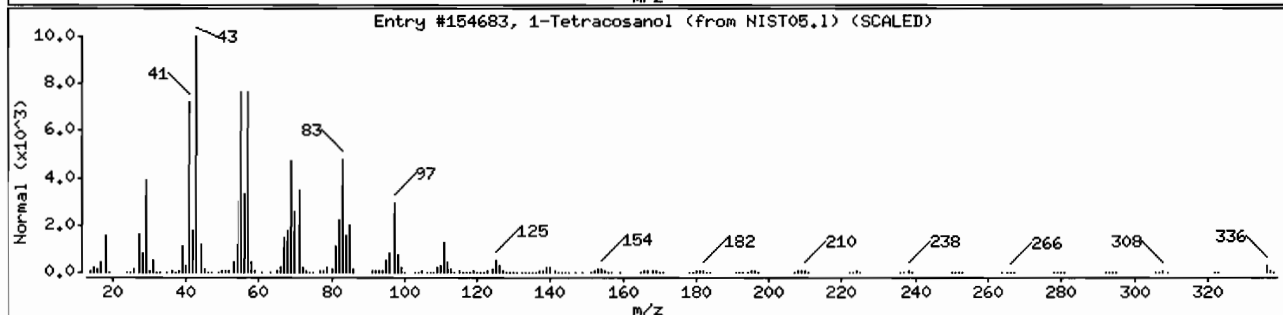
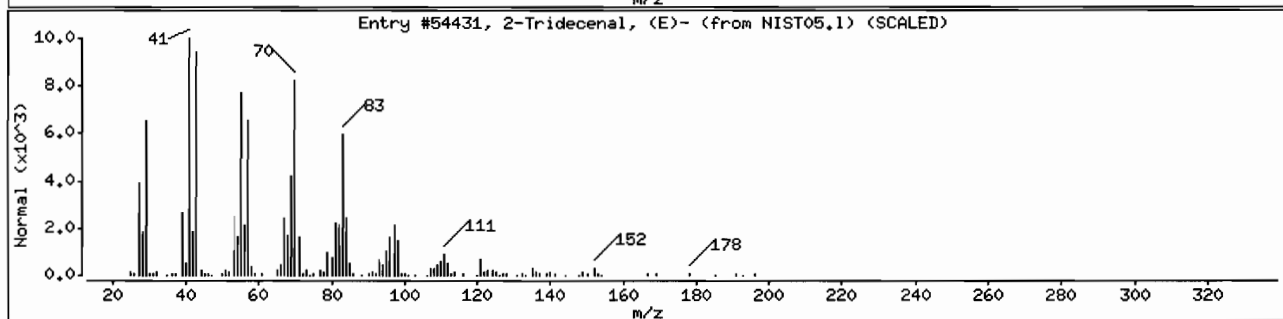
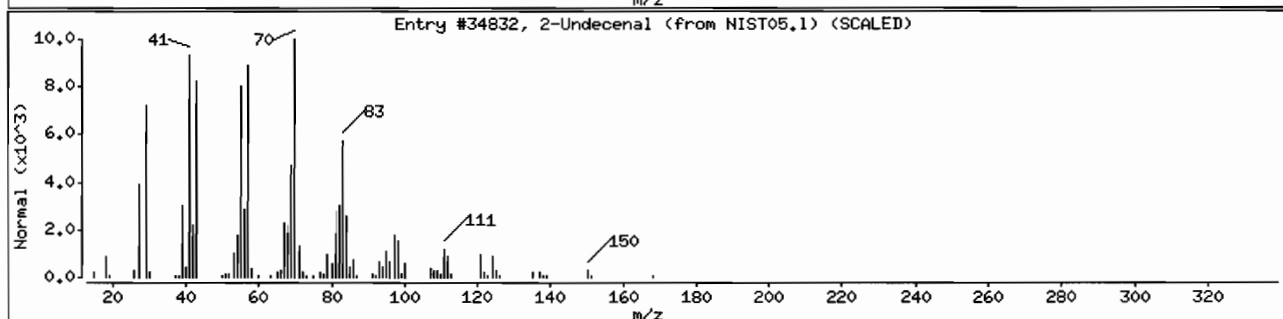
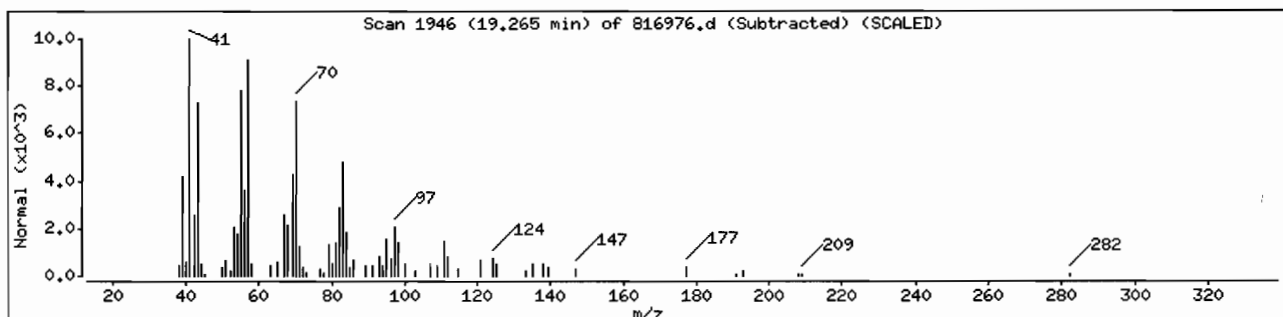
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Undecenal	2463-77-6	NIST05.1	34832	72	C ₁₁ H ₂₀ O	168
2-Tridecenal, (E)-	7069-41-2	NIST05.1	54431	72	C ₁₃ H ₂₄ O	196
1-Tetracosanol	506-51-4	NIST05.1	154683	53	C ₂₄ H ₅₀ O	354

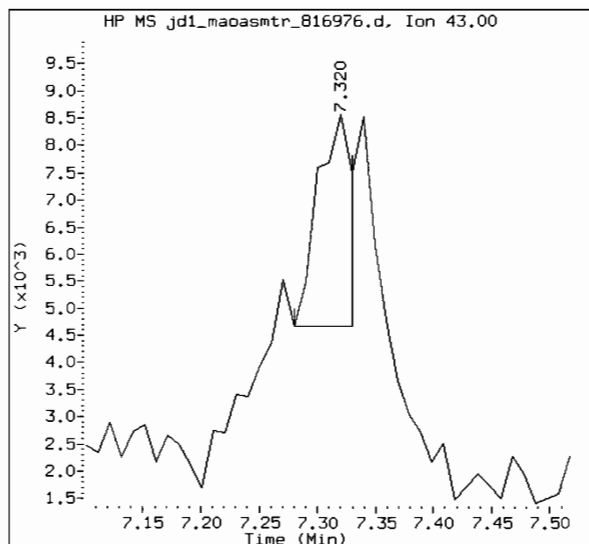


MANUAL INTEGRATION REPORT

Data File Name: 816976.d
Client Sample ID: B03211-212
Compound Name: 2-Butanone

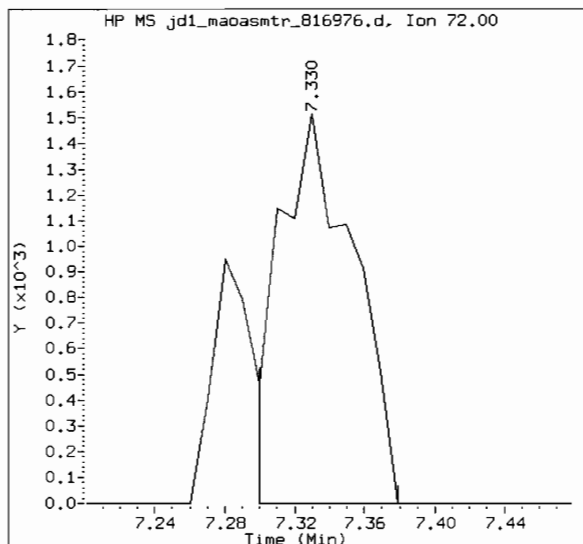
Inj. Date and Time: 19-JAN-2010 11:56
Instrument ID: M.i
CAS #: 78-93-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/27/2010 13:51

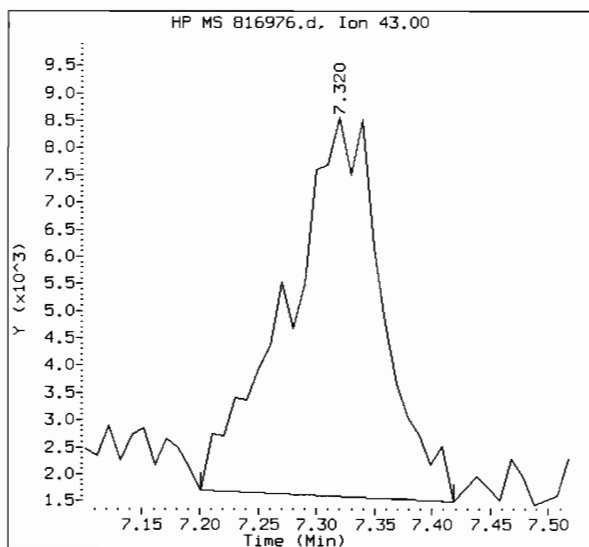


Original Integrations:

Area = 8007



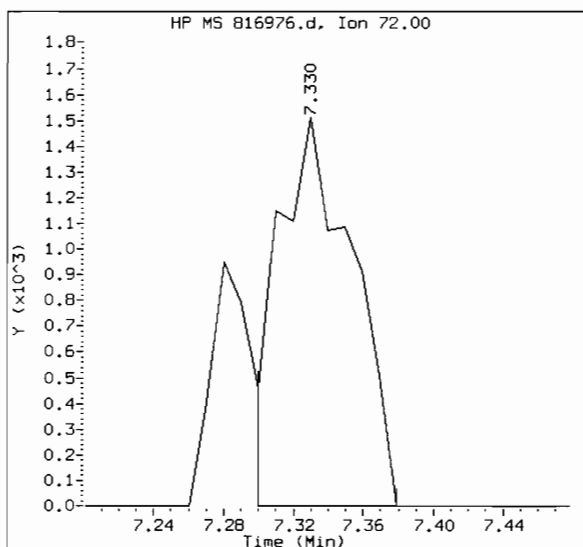
Area = 4637



Final Integrations:

Area = 40111

Manual Integration Reason: M11 - Poor automated baseline



Area = 4637

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

EPA SAMPLE NO.

B03211-212DL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816976D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816976D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% Moisture: not dec.

Date Analyzed: 01/22/2010

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

Dilution Factor: 4.3

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	2.2	U
74-87-3	Chloromethane	2.2	U
75-01-4	Vinyl chloride	2.2	U
74-83-9	Bromomethane	2.2	U
75-00-3	Chloroethane	2.2	U
75-69-4	Trichlorofluoromethane	2.2	U
75-35-4	1,1-Dichloroethene	2.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.2	U
67-64-1	Acetone	500	D
75-15-0	Carbon disulfide	2.2	U
79-20-9	Methyl acetate	2.2	U
75-09-2	Methylene chloride	2.2	U
156-60-5	trans-1,2-Dichloroethene	2.2	U
1634-04-4	Methyl tert-butyl ether	2.2	U
75-34-3	1,1-Dichloroethane	2.2	U
156-59-2	cis-1,2-Dichloroethene	2.2	U
78-93-3	2-Butanone	22	U
74-97-5	Bromochloromethane	2.2	U
67-66-3	Chloroform	1.3	DJ
71-55-6	1,1,1-Trichloroethane	2.2	U
110-82-7	Cyclohexane	2.2	U
56-23-5	Carbon tetrachloride	2.2	U
71-43-2	Benzene	2.2	U
107-06-2	1,2-Dichloroethane	2.2	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.

B03211-212DL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816976D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816976D2

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% Moisture: not dec.

Date Analyzed: 01/22/2010

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

Dilution Factor: 4.3

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	1.3	DJ
108-87-2	Methylcyclohexane	2.2	U
78-87-5	1,2-Dichloropropane	2.2	U
75-27-4	Bromodichloromethane	1.1	DJ
10061-01-5	cis-1,3-Dichloropropene	2.2	U
108-10-1	4-Methyl-2-pentanone	22	U
108-88-3	Toluene	2.2	U
10061-02-6	trans-1,3-Dichloropropene	2.2	U
79-00-5	1,1,2-Trichloroethane	2.2	U
127-18-4	Tetrachloroethene	2.2	U
591-78-6	2-Hexanone	22	U
124-48-1	Dibromochloromethane	1.1	DJ
106-93-4	1,2-Dibromoethane	2.2	U
108-90-7	Chlorobenzene	2.2	U
100-41-4	Ethylbenzene	2.2	U
95-47-6	o-Xylene	2.2	U
179601-23-1	m,p-Xylene	2.2	U
100-42-5	Styrene	2.2	U
75-25-2	Bromoform	2.2	U
98-82-8	Isopropylbenzene	2.2	U
79-34-5	1,1,2,2-Tetrachloroethane	2.2	U
541-73-1	1,3-Dichlorobenzene	2.2	U
106-46-7	1,4-Dichlorobenzene	2.2	U
95-50-1	1,2-Dichlorobenzene	2.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.2	U
120-82-1	1,2,4-Trichlorobenzene	2.2	U
87-61-6	1,2,3-Trichlorobenzene	2.2	U

SOM01.2

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

EPA SAMPLE NO.

B03211-212DL

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816976D1

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816976D2

Level: (TRACE or LOW/MED) TRACE

Date Received: 01/08/2010

% Moisture: not dec.

Date Analyzed: 01/22/2010

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

Dilution Factor: 4.3

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

Purge Volume: 25.0 (mL)

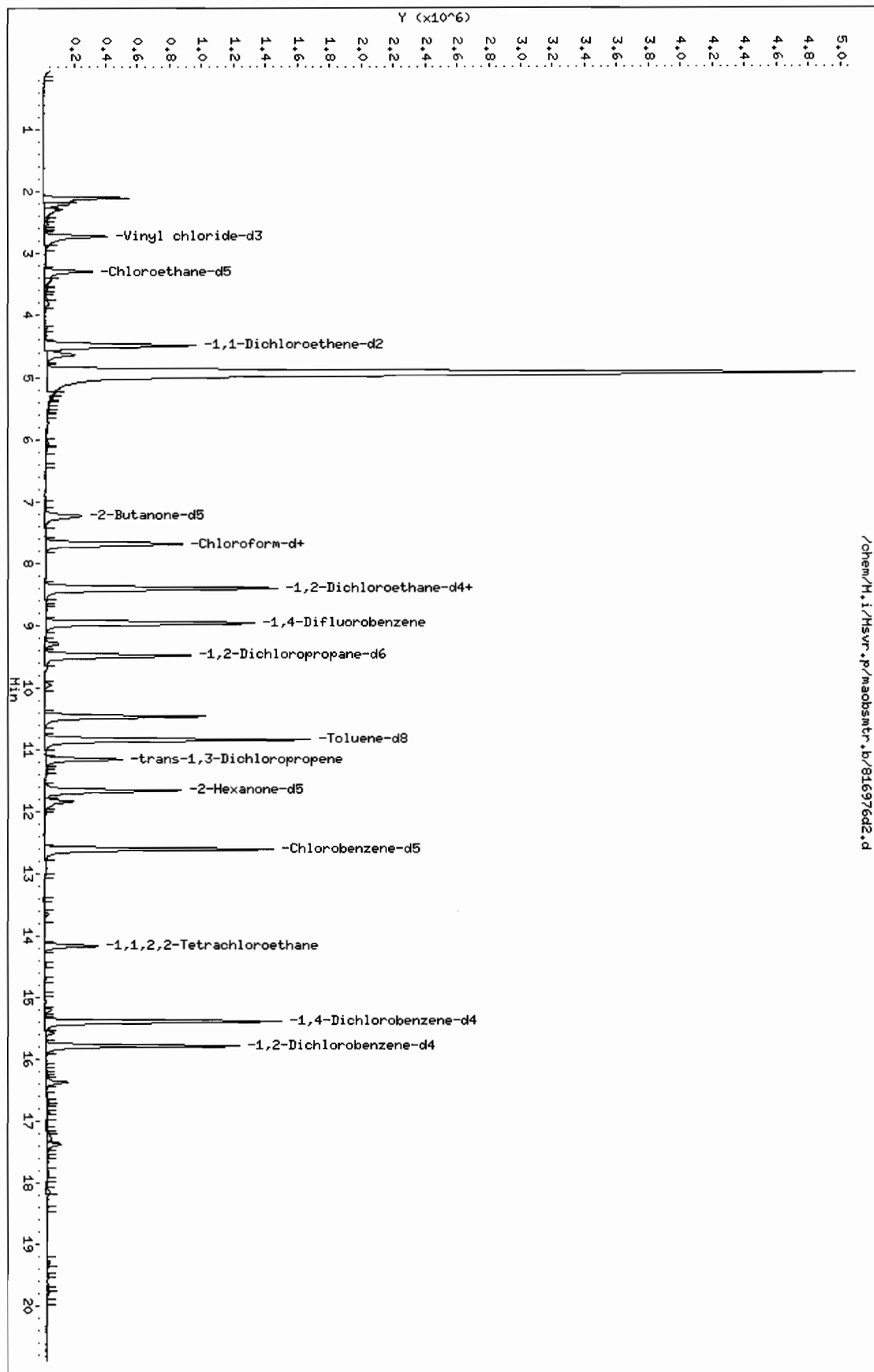
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	=====	=====	=====	=====	=====
02	67-63-0	Isopropyl Alcohol	4.93	130	NJD
03		Unknown	10.46	16	JXBD
04	66-25-1	Hexanal	11.83	3.5	NJD
05	124-19-6	Nonanal	16.37	2.3	NJD
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
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/H.i/MSvr.p/maobsmt.r.b/816976d2.d
Date : 22-JAN-2010 03:32
Client ID: B03241-212DL
Sample Info: ISCO SB03 241-212DL : l 101/07/10 01145(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: JPI
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maobsmttr.b/816976d2.d
Lab Smp Id: 816976D1 Client Smp ID: B03211-212DL
Inj Date : 22-JAN-2010 03:32
Operator : JP1 Inst ID: M.i
Smp Info : ISCO SB03 211-212DL :[]01/07/10 @1145(WATER)
Misc Info : 816976D1,012110MH,4.3,5
Comment :
Method : /chem/M.i/Msvr.p/maobsmttr.b/somtr4.m
Meth Date : 27-Jan-2010 13:50 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 14
Dil Factor: 4.30000
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	4.30000	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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.718	2.721	(0.303)	830404	4.59091	4.6
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.291	3.295	(0.367)	698233	4.91921	4.9
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.488	4.491	(0.500)	1626047	4.13922	4.1
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43	4.636	4.630	(0.517)	564756	115.724	500
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	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	7.227	7.230	(0.806)	648859	50.9547	51
20 cis-1,2-Dichloroethene	96		Compound Not	Detected.			
21 2-Butanone	43		Compound Not	Detected.			
22 Bromochloromethane	128		Compound Not	Detected.			
\$ 23 Chloroform-d	84	7.682	7.685	(0.857)	1300329	4.97424	5.0 (Q)
24 Chloroform	83	7.711	7.715	(0.860)	77175	0.31101	1.3 (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	8.394	8.387	(0.936)	396658	4.77808	4.8 (Q)
\$ 29 Benzene-d6	84	8.404	8.407	(0.667)	2009218	5.03878	5.0
30 Benzene	78		Compound Not	Detected.			
31 1,2-Dichloroethane	62		Compound Not	Detected.			
* 32 1,4-Difluorobenzene	114	8.967	8.961	(1.000)	1936253	5.00000	
33 Trichloroethene	95	9.303	9.297	(0.738)	58143	0.31346	1.3 (a)
\$ 34 1,2-Dichloropropane-d6	67	9.481	9.485	(0.752)	944484	4.67261	4.7
35 Methylcyclohexane	55		Compound Not	Detected.			
36 1,2-Dichloropropane	63		Compound Not	Detected.			
37 Bromodichloromethane	83	9.956	9.950	(0.790)	49264	0.26581	1.1 (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	10.830	(0.860)	2049368	4.95457	5.0
41 Toluene	91		Compound Not	Detected.			
\$ 42 trans-1,3-Dichloropropene-d4	79	11.152	11.156	(0.885)	507858	5.10783	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	11.657	11.660	(0.925)	722833	53.8553	54
47 2-Hexanone	43		Compound Not	Detected.			
48 Dibromochloromethane	129	11.914	11.917	(0.945)	24449	0.25897	1.1 (a)
49 1,2-Dibromoethane	107		Compound Not	Detected.			
* 50 Chlorobenzene-d5	117	12.606	12.609	(1.000)	1437666	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	14.159	14.172	(1.123)	367635	5.19461	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	15.385	15.398	(1.000)	681234	5.00000	(Q)
62 1,4-Dichlorobenzene	146		Compound Not	Detected.			

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4		152	15.780	15.793	(1.026)	522635	4.99969	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

- 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/maobsmttr.b/816976d2.d
Lab Smp Id: 816976D1 Client Smp ID: B03211-212DL
Inj Date : 22-JAN-2010 03:32
Operator : JPl Inst ID: M.i
Smp Info : ISCO SB03 211-212DL :[]01/07/10 @1145(WATER)
Misc Info : 816976D1,012110MH,4.3,5
Comment :
Method : /chem/M.i/Msvr.p/maobsmttr.b/somtr4.m
Meth Date : 27-Jan-2010 13:50 jdl Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 14
Dil Factor: 4.30000
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	4.30000	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	4887207	5.000
* 50 Chlorobenzene-d5	12.606	4745740	5.000
* 61 1,4-Dichlorobenzene-d4	15.385	4569868	5.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL (ug/L)	FINAL (ug/L)		LIBRARY	LIB ENTRY	
----	----	-----	-----	----	-----	-----	-----
Unknown							
2.283	532531	0.54482171	2.3	0		0	32

Data File: /chem/M.i/Msvr.p/maobsmttr.b/816976d2.d
Report Date: 27-Jan-2010 13:50

Page 5

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL (ug/L)	FINAL (ug/L)		LIBRARY	LIB ENTRY	
====	====	=====	=====	====	=====	=====	=====
Isopropyl Alcohol							
4.933	29379883	30.0579474	130	86	NIST05.1	290	32
CAS #: 67-63-0							
Unknown							
10.460	3594260	3.67721283	16	0		0	32
CAS #:							
Hexanal							
11.835	772513	0.81390124	3.5	91	NIST05.1	3688	50
CAS #: 66-25-1							
Nonanal							
16.373	481814	0.52716381	2.3	90	NIST05.1	19202	61
CAS #: 124-19-6							

Data File: /chem/M.i/Hsvr.p/maobsntr.b/816976d2.d

Page 7

Date : 22-JAN-2010 03:32

Client ID: B03211-212DL

Instrument: M.i

Sample Info: ISCO SB03 211-212DL :I 101/07/10 @1145(WATER)

Purge Volume: 25.0

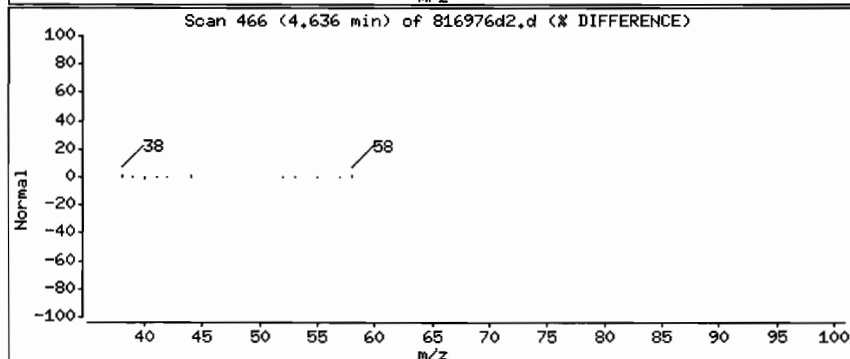
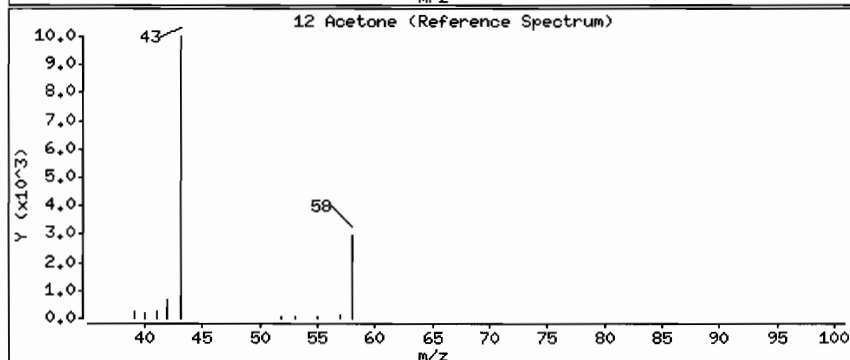
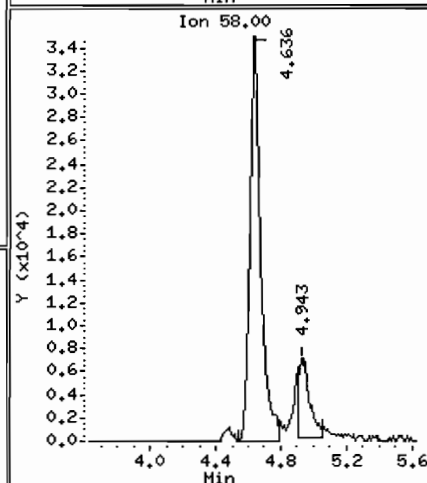
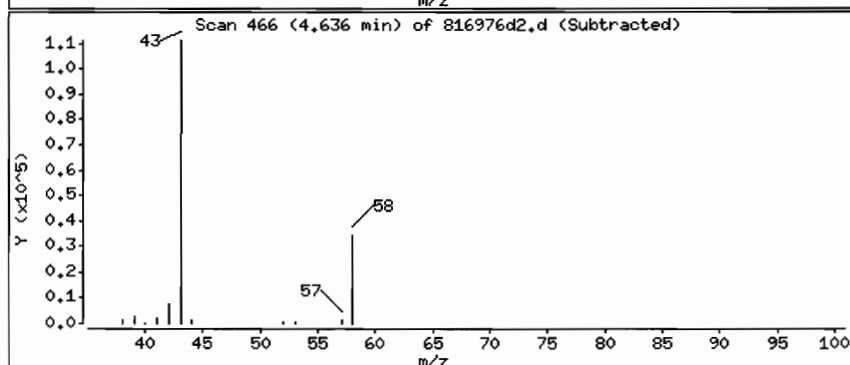
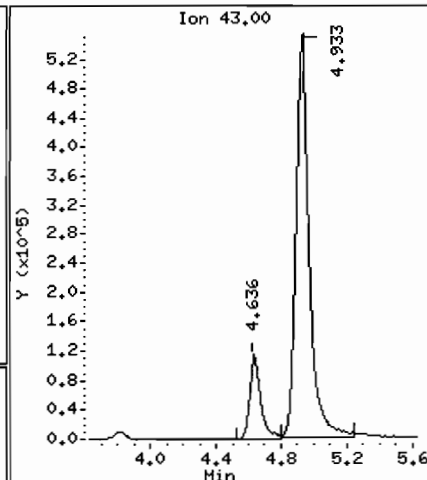
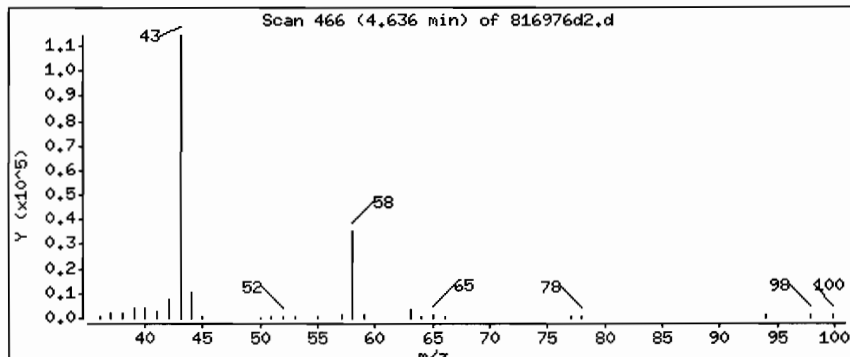
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 500 ug/L



Data File: /chem/M.i/Hsvr.p/maobsmt.r/b/816976d2.d

Page 8

Date : 22-JAN-2010 03:32

Client ID: B03211-212DL

Instrument: M.i

Sample Info: ISCO SB03 211-212DL ;I 101/07/10 @1145(WATER)

Purge Volume: 25.0

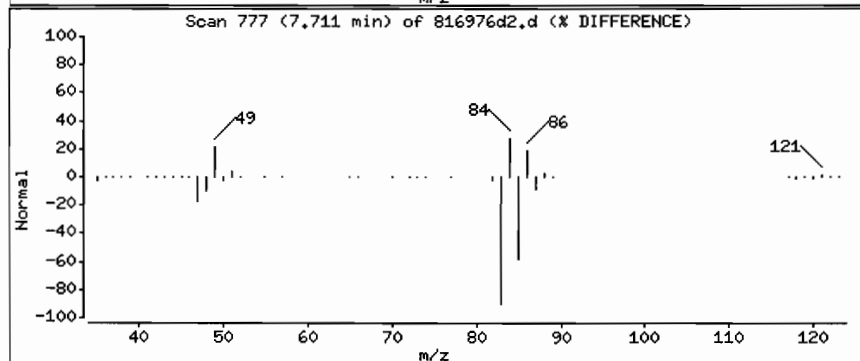
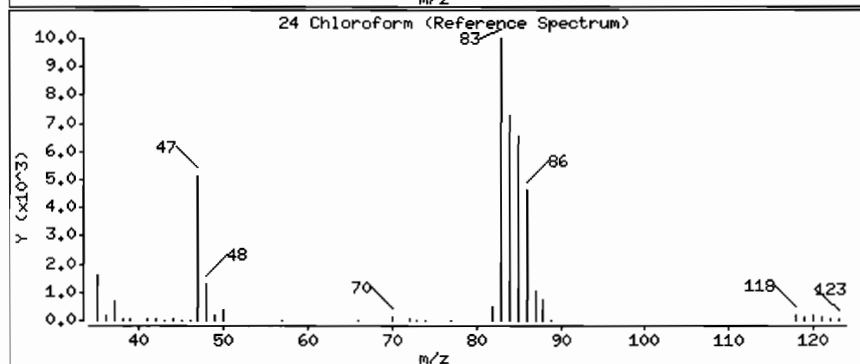
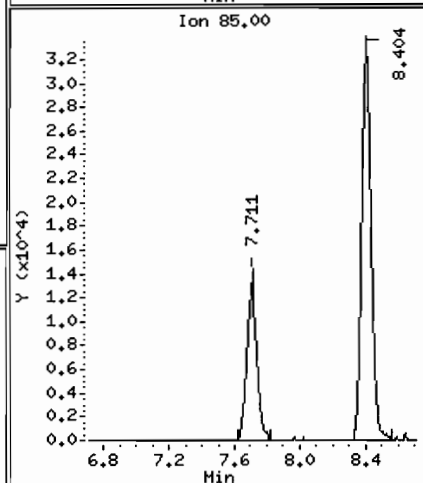
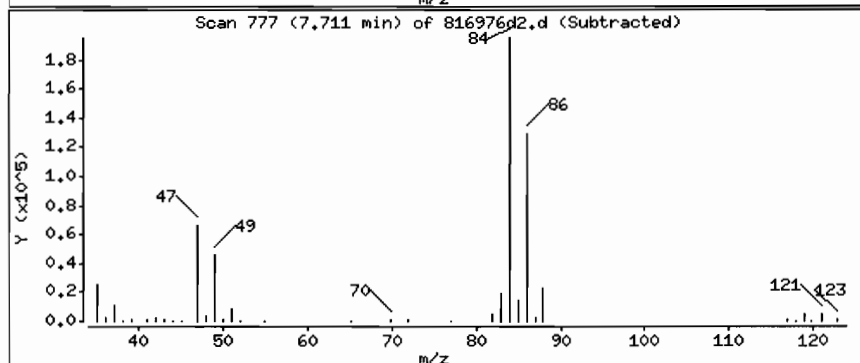
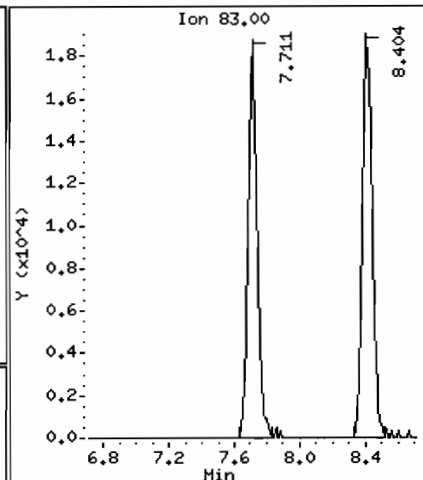
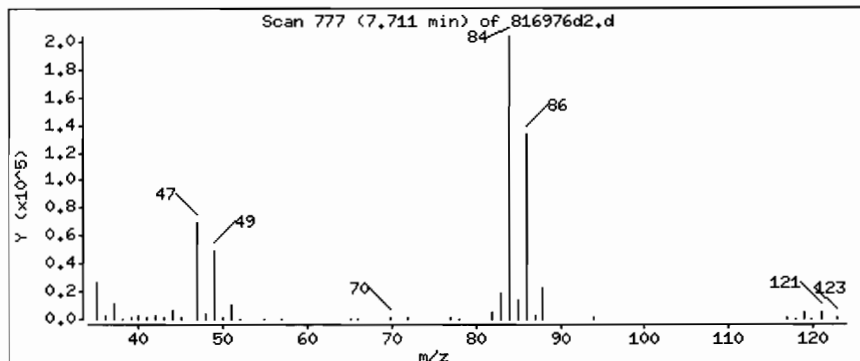
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

24 Chloroform

Concentration: 1.3 ug/L



Data File: /chem/H.i/Hsvr.p/maobsntr.b/816976d2.d

Page 9

Date : 22-JAN-2010 03:32

Client ID: B03211-212DL

Instrument: M.i

Sample Info: ISCO SB03 211-212DL ;[101/07/10 @1145(WATER)

Purge Volume: 25.0

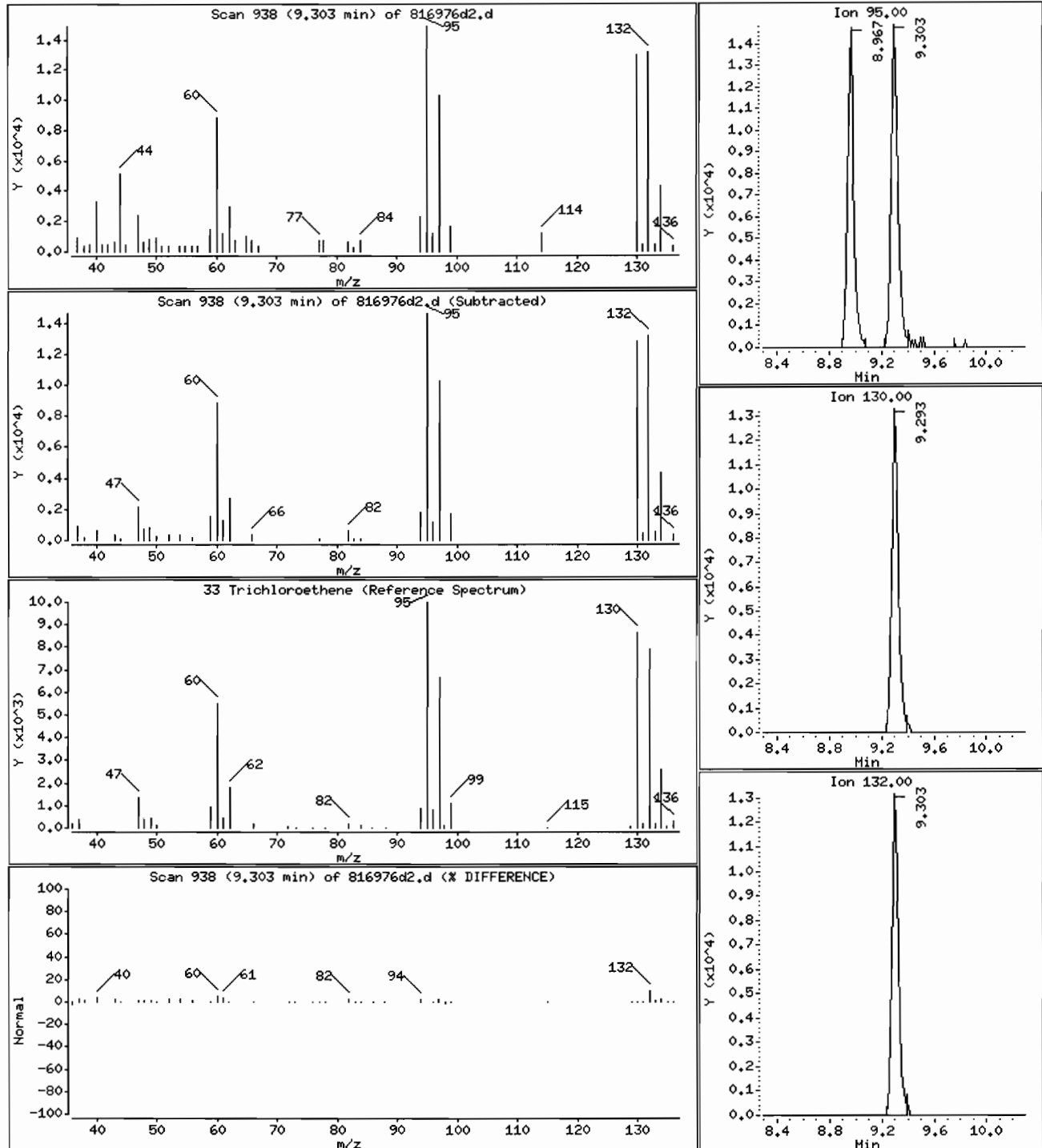
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 1.3 ug/L



Data File: /chem/M,i/Hsvr,p/maobsntr,b/816976d2.d

Page 10

Date : 22-JAN-2010 03:32

Client ID: B03211-212DL

Instrument: M,i

Sample Info: ISCO SB03 211-212DL :[101/07/10 @1145(WATER)

Purge Volume: 25.0

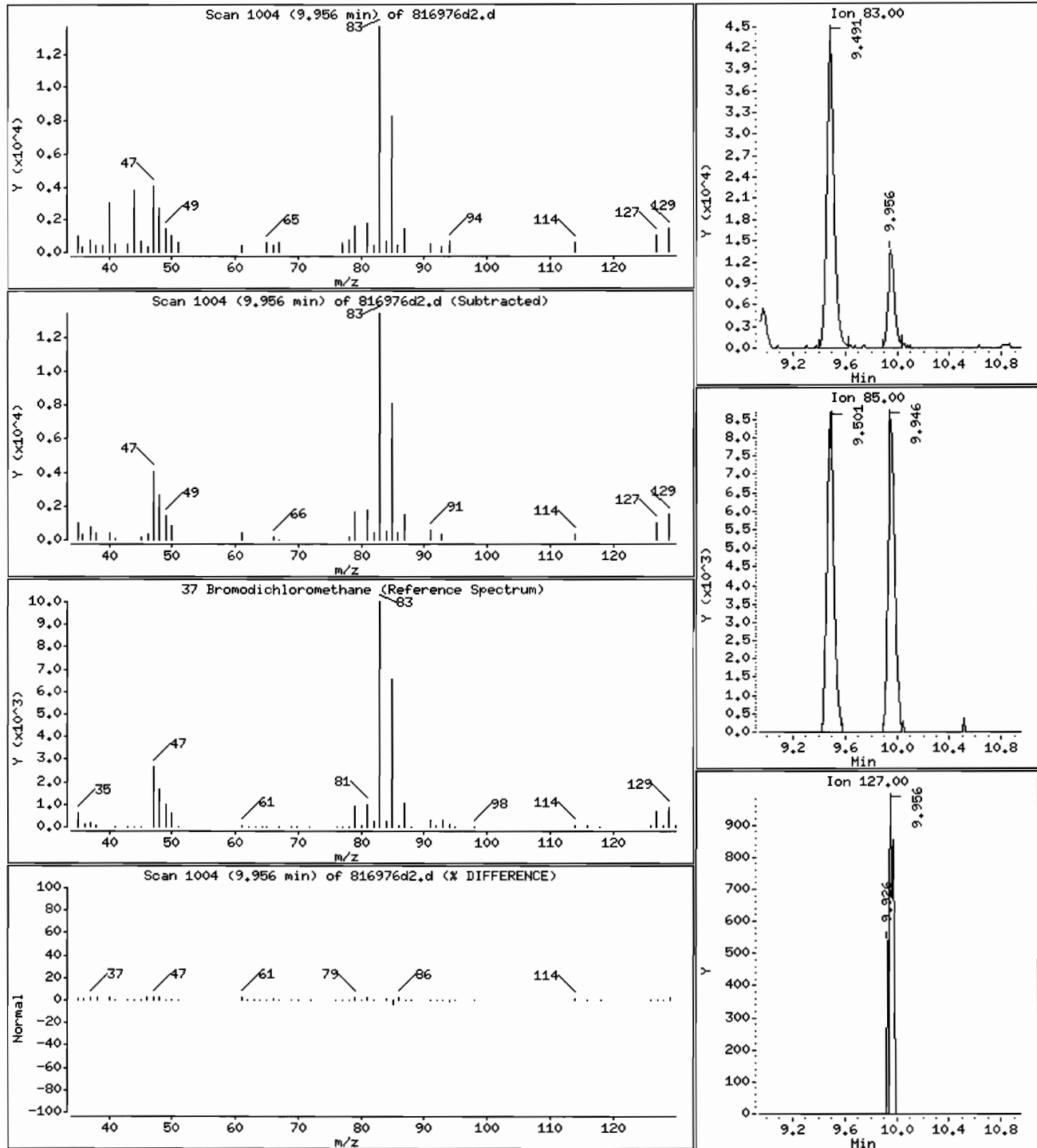
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

37 Bromodichloromethane

Concentration: 1.1 ug/L



Data File: /chem/M.I/Msyr.p/maobsmt.r/816976d2.d

Page 11

Date : 22-JAN-2010 03:32

Client ID: B03211-212DL

Instrument: M.i

Sample Info: ISCO SB03 211-212DL ;I 101/07/10 @1145(WATER)

Purge Volume: 25.0

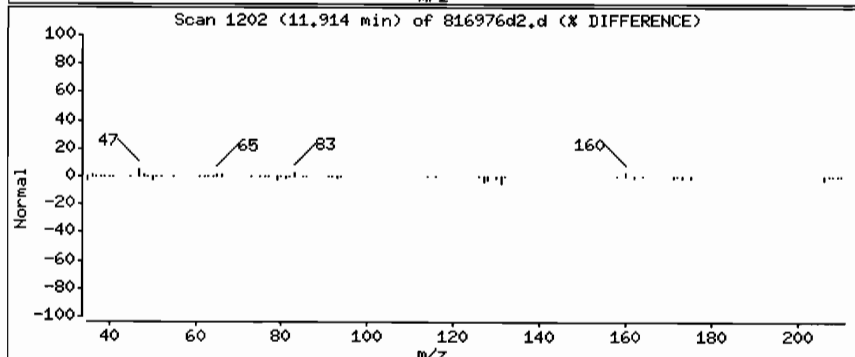
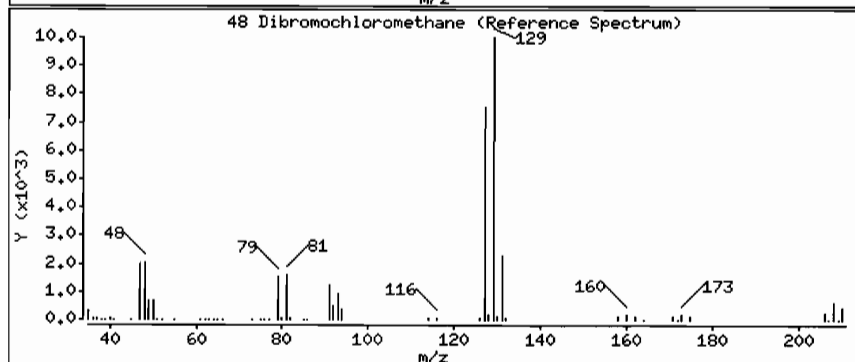
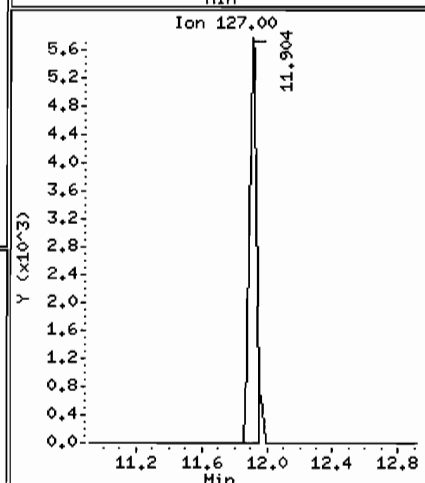
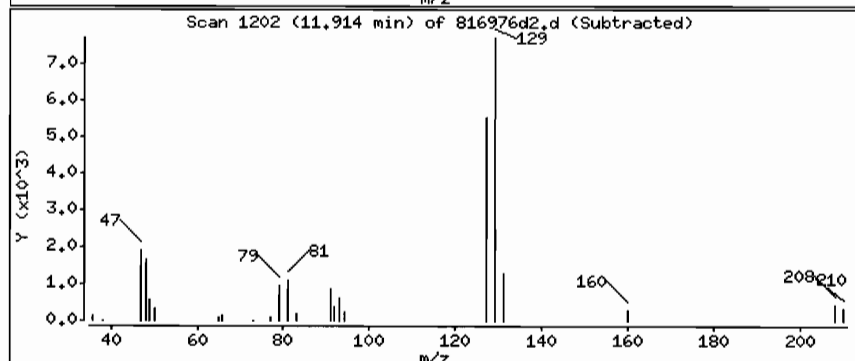
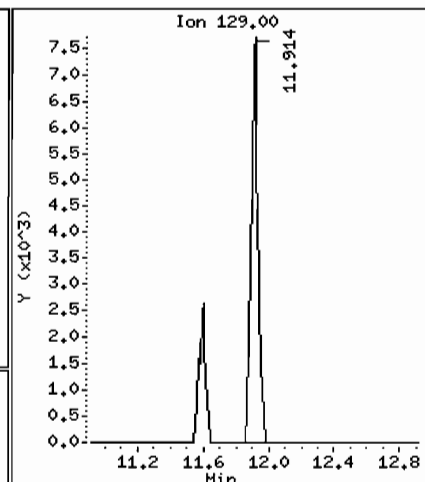
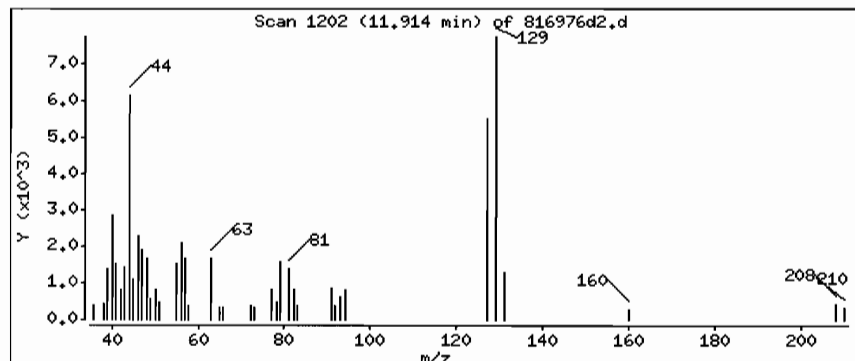
Operator: JP1

Column phase: DB-624

Column diameter: 0.53

48 Dibromochloromethane

Concentration: 1.1 ug/L



Date : 22-JAN-2010 03:32

Client ID: B03211-212DL

Instrument: M.i

Sample Info: ISCO SB03 211-212DL ;I 101/07/10 @1145(WATER)

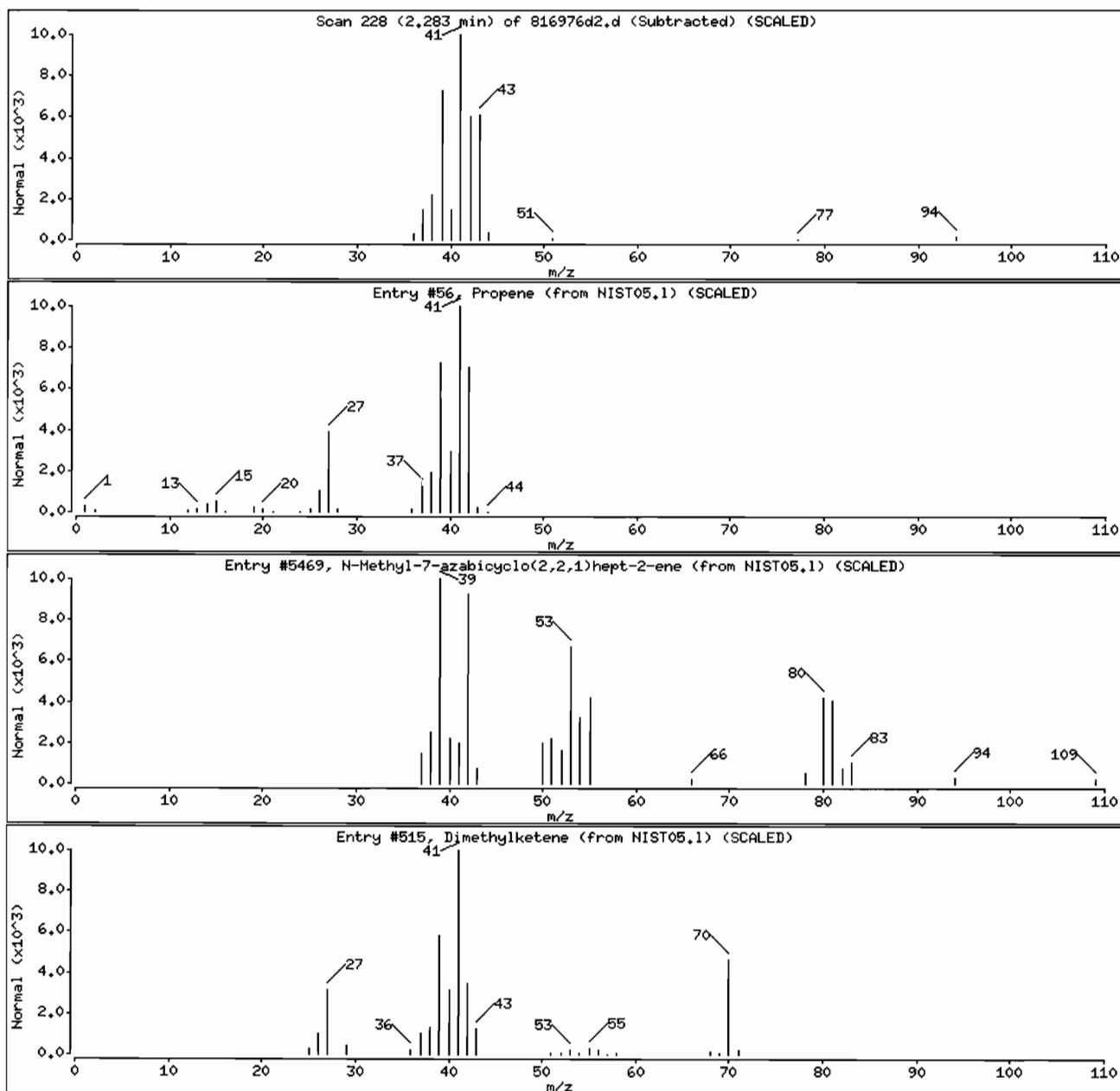
Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Propene	115-07-1	NIST05.1	56	78	C3H6	42
N-Methyl-7-azabicyclo(2,2,1)hept-2-ene	55590-26-6	NIST05.1	5469	56	C7H11N	109
Dimethylketene	598-26-5	NIST05.1	515	40	C4H6O	70



Date : 22-JAN-2010 03:32

Client ID: B03211-212DL

Instrument: M.i

Sample Info: ISCO SB03 211-212DL ;I 101/07/10 @1145(WATER >

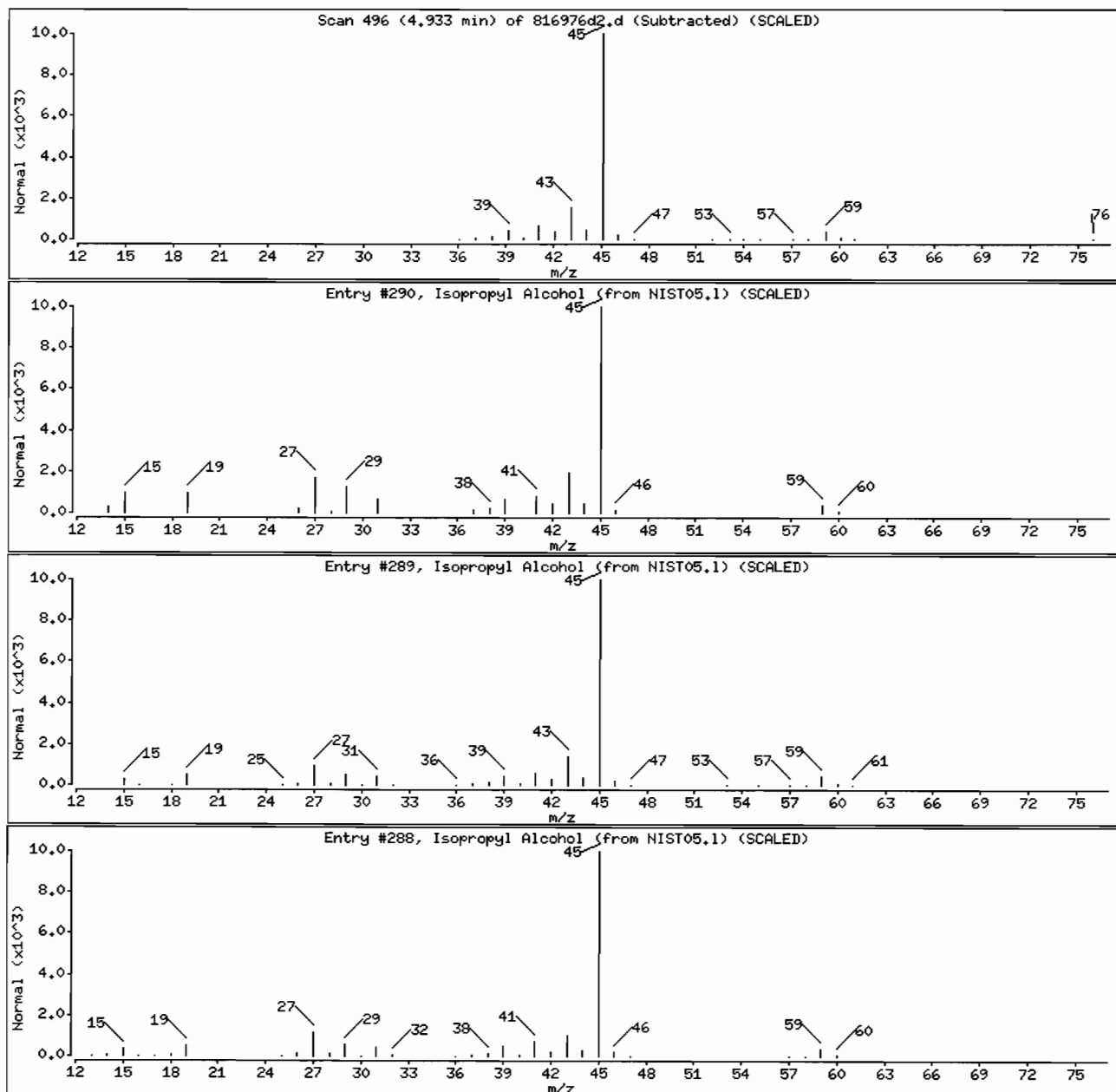
Purge Volume: 25.0

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	290	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	289	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	288	78	C3H8O	60



Date : 22-JAN-2010 03:32

Client ID: B03211-212DL

Instrument: M.i

Sample Info: ISCO SB03 211-212DL :[J01/07/10 @1145(WATER)

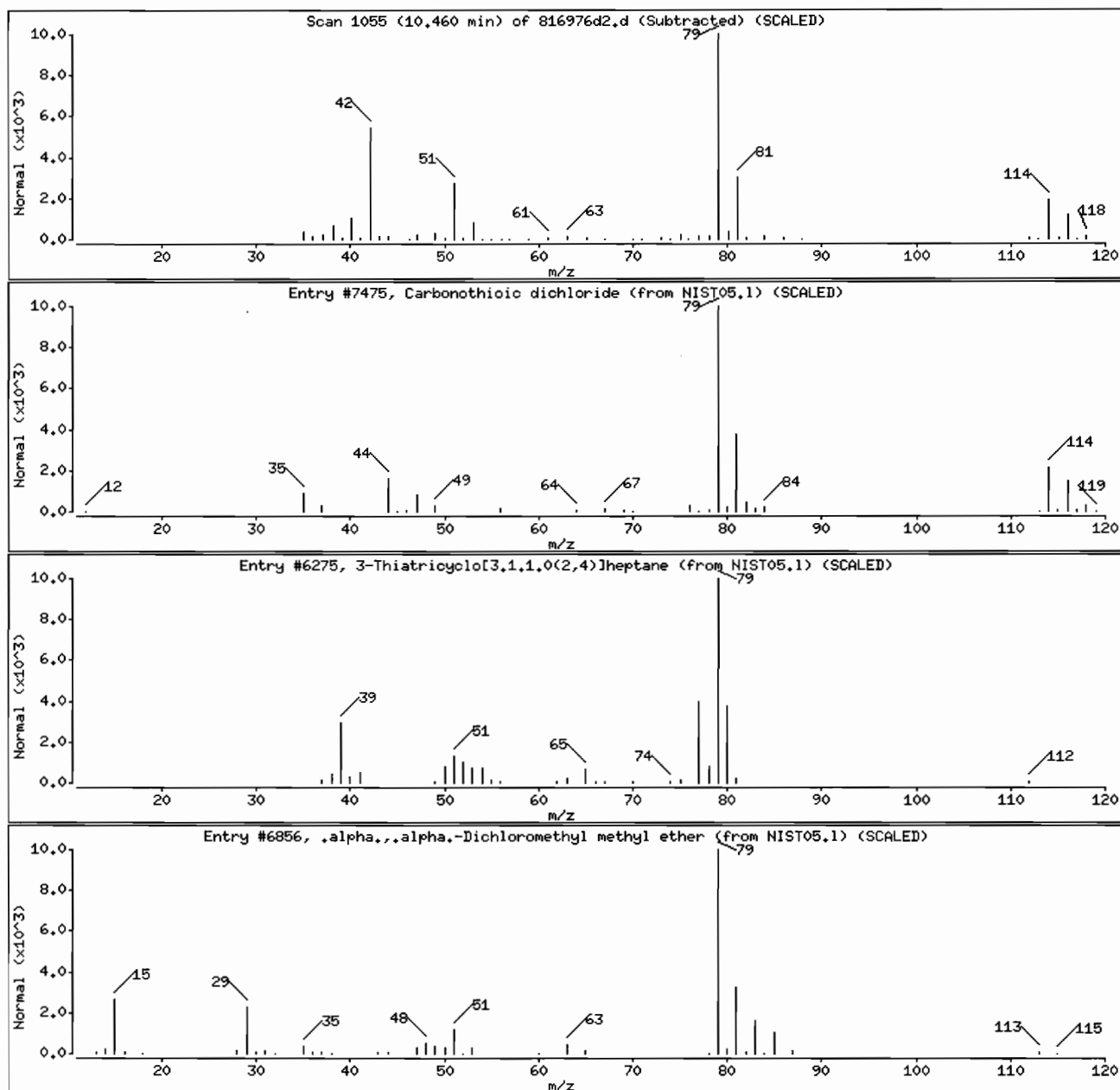
Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonylthioic dichloride	463-71-8	NIST05.1	7475	49	CCl ₂ S	114
3-Thiatriacyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	112
.alpha.,.alpha.-Dichloromethyl methyl et	4885-02-3	NIST05.1	6856	23	C ₂ H ₄ Cl ₂ O	114



Date : 22-JAN-2010 03:32

Client ID: B03211-212DL

Instrument: M.i

Sample Info: ISCO SB03 211-212DL :[101/07/10 @1145(WATER)

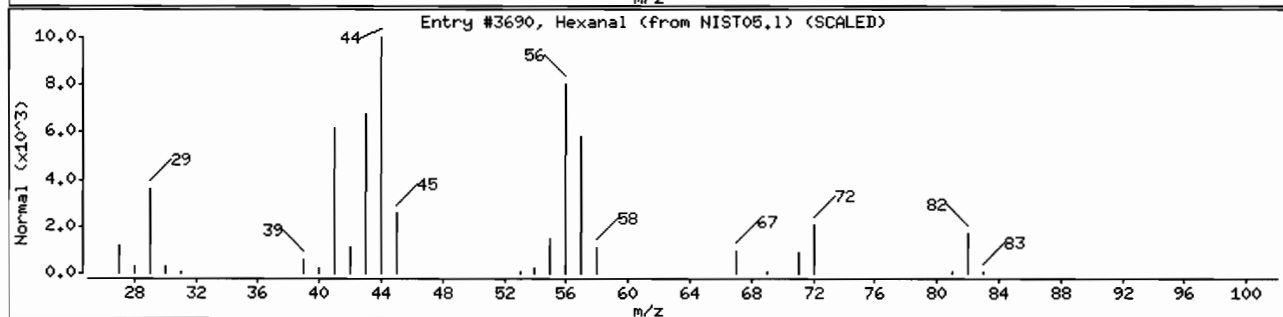
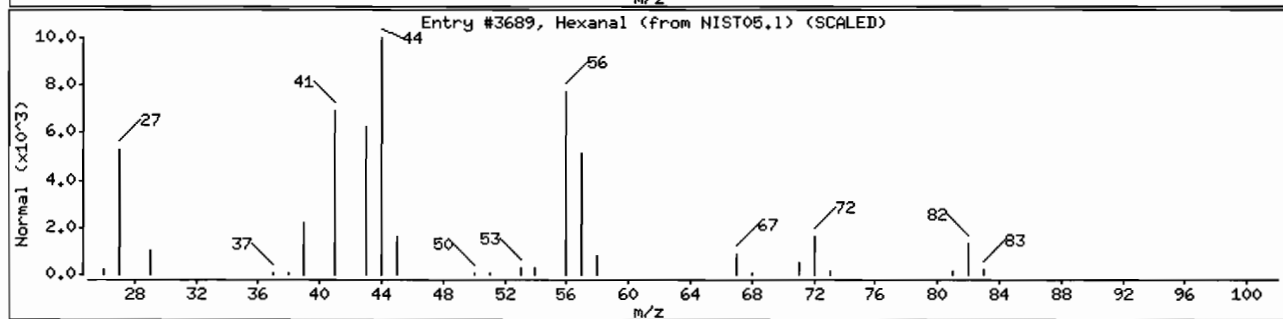
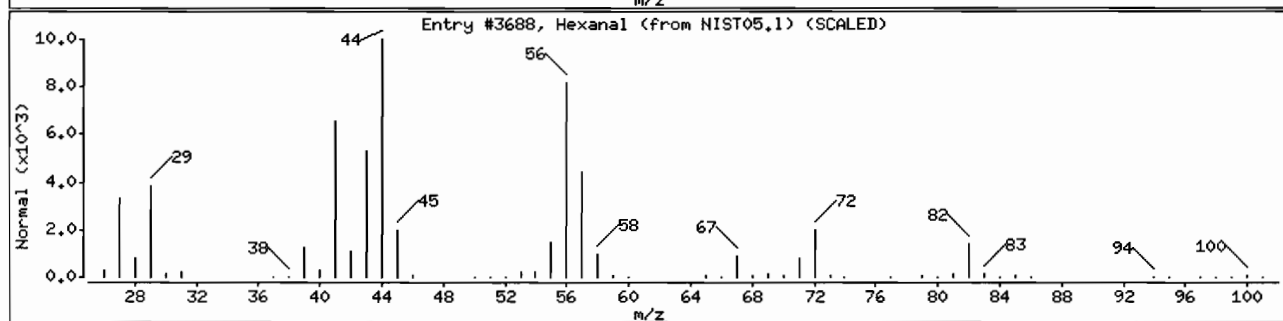
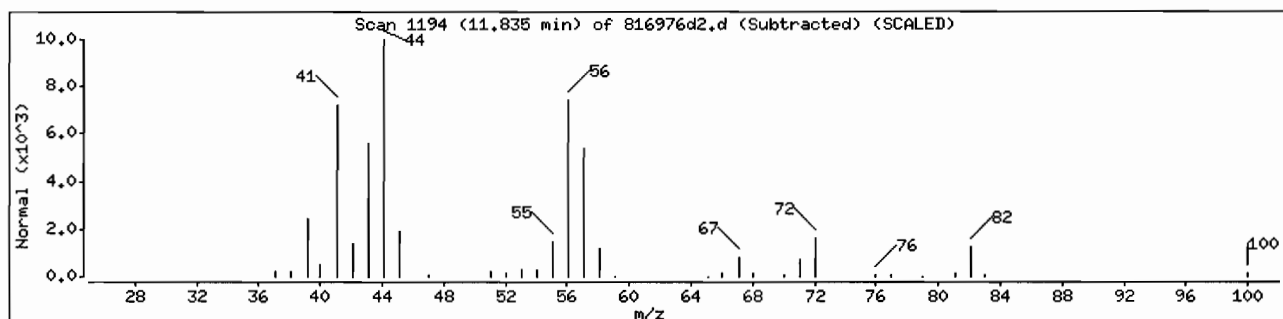
Purge Volume: 25.0

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	91	C ₆ H ₁₂ O	100
Hexanal	66-25-1	NIST05.1	3689	90	C ₆ H ₁₂ O	100
Hexanal	66-25-1	NIST05.1	3690	90	C ₆ H ₁₂ O	100



Date : 22-JAN-2010 03:32

Client ID: B03211-212DL

Instrument: M.i

Sample Info: ISCO SB03 211-212DL :[J01/07/10 @1145(WATER)

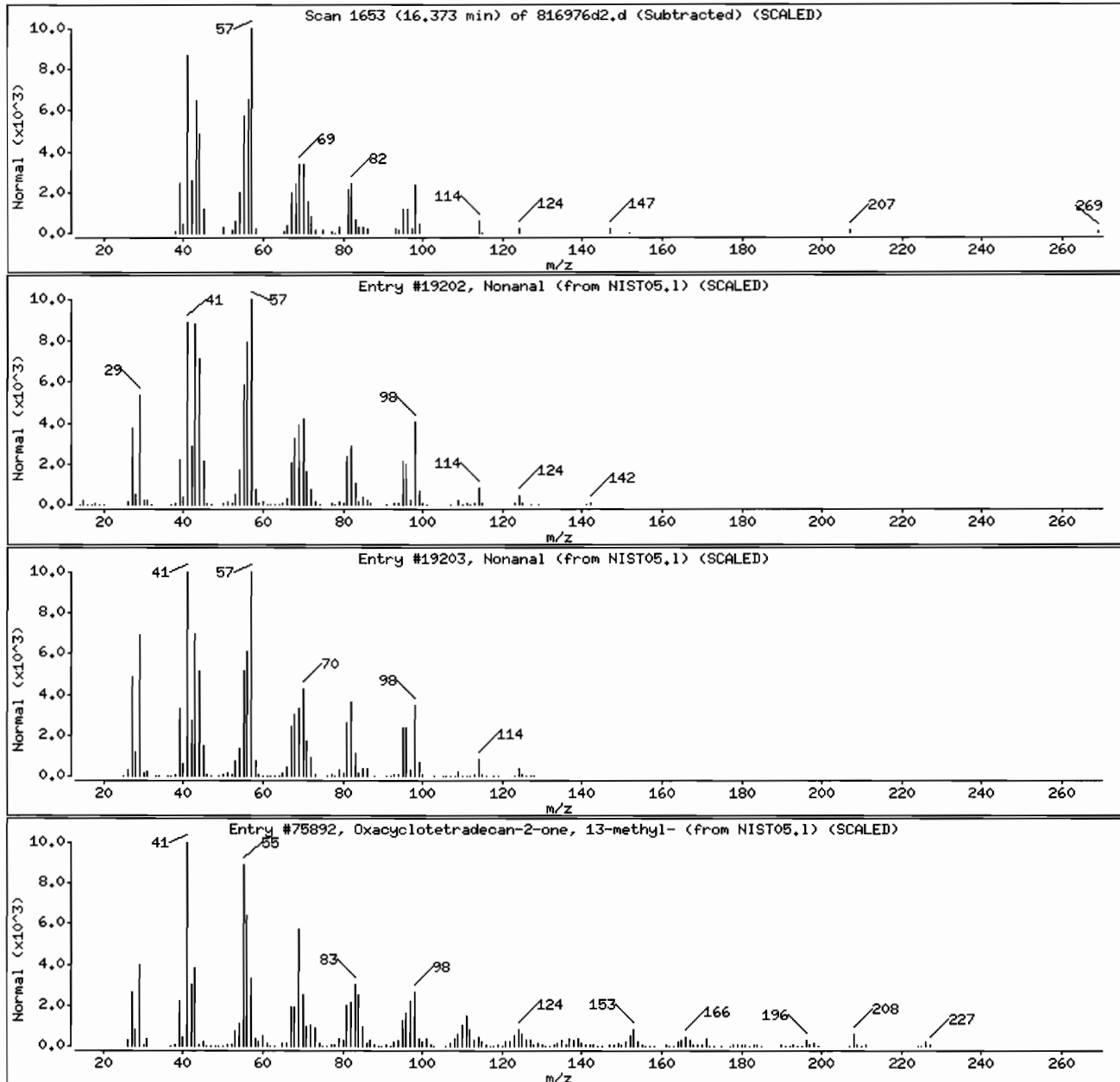
Purge Volume: 25.0

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	NIST05.1	19202	90	C9H18O	142
Nonanal	124-19-6	NIST05.1	19203	78	C9H18O	142
Oxacyclotetradecan-2-one, 13-methyl-	57092-32-7	NIST05.1	75892	47	C14H26O2	226



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

EPA SAMPLE NO.

SB03 193

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLTV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816974

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816974

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% Moisture: not dec.

Date Analyzed: 01/18/2010

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	13	
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	0.84	
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.

SB03 193

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816974

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816974

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% Moisture: not dec.

Date Analyzed: 01/18/2010

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	0.40	J
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.91	
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	1.0	
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	0.36	J
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.36	J
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.

SB03 193

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816974

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816974

Level: (TRACE or LOW/MED) TRACE

Date Received: 01/08/2010

% Moisture: not dec.

Date Analyzed: 01/18/2010

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	0.87	J
02		Unknown	10.45	3.3	JXB
03	66-25-1	Hexanal	11.83	1.4	NJ
04		Unknown	15.20	0.57	J
05		Unknown	15.58	1.6	J
06		Unknown	16.28	0.57	J
07		Unknown	16.37	2.8	J
08		Unknown	17.27	0.82	J
09	112-31-2	Decanal	17.38	1.1	NJ
10		Unknown	19.31	0.52	J
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		

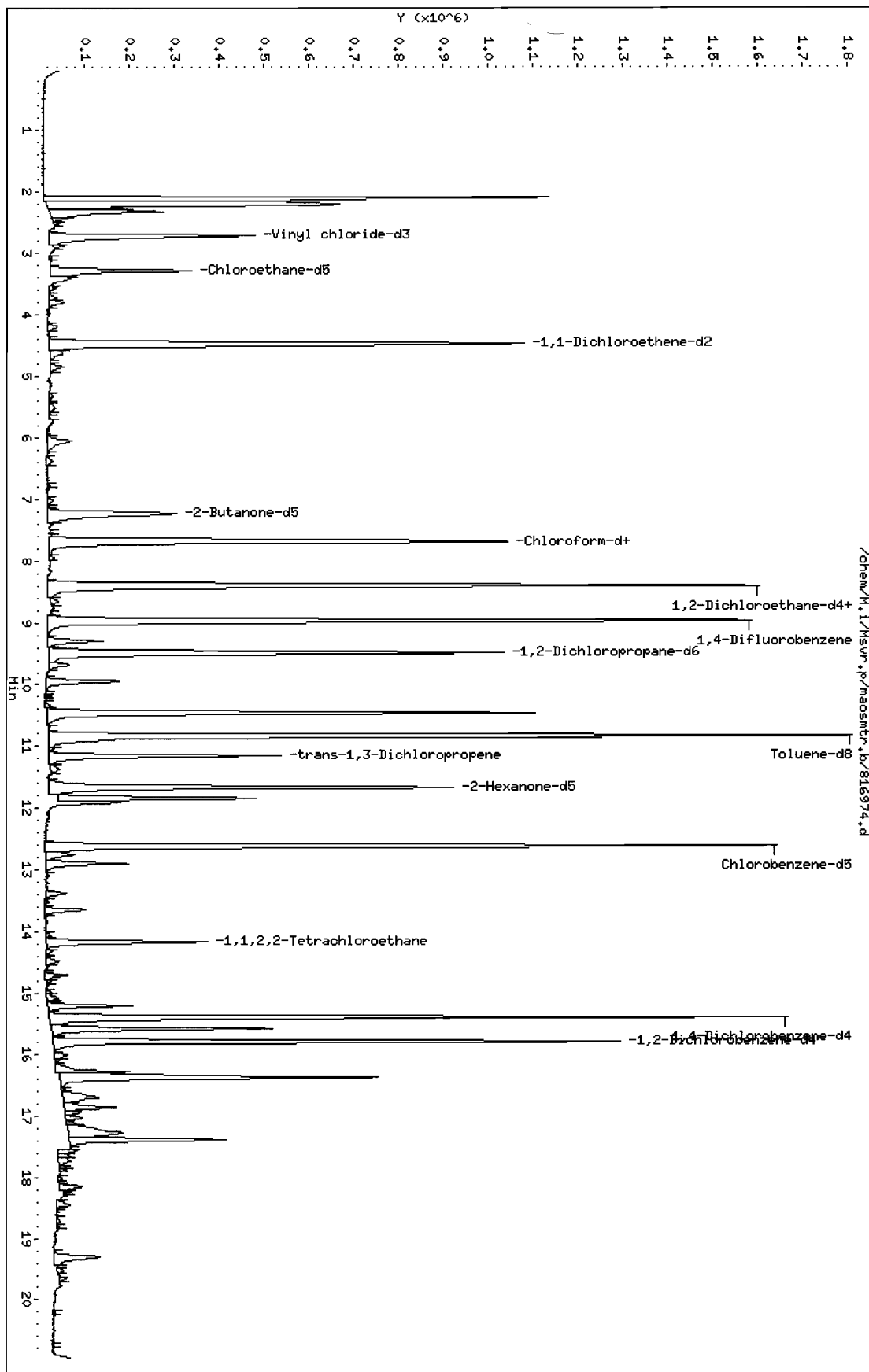
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/maosmtr.b/816974.d
Date : 18-JAN-2010 17:47
Client ID: SB03 193
Sample Info: ISCO SB03 193 : (101/06/10 01530(WATER))
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: MKV
Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maosmtr.b/816974.d
Lab Smp Id: 816974 Client Smp ID: SB03 193
Inj Date : 18-JAN-2010 17:47
Operator : MRV Inst ID: M.i
Smp Info : ISCO SB03 193 : [] 01/06/10 @1530(WATER)
Misc Info : 816974,011810MC,1,5
Comment :
Method : /chem/M.i/Msvr.p/maosmtr.b/somtr4.m
Meth Date : 20-Jan-2010 10:29 jdl Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 11
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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85				Compound Not Detected.		
2 Chloromethane	50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	2.713	2.731	(0.303)	941131	4.36959	4.4
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	3.287	3.295	(0.367)	779231	4.61045	4.6
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	4.473	4.491	(0.499)	1817355	3.88514	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	4.622	4.640	(0.516)	72925	12.5494	13
13 Carbon disulfide	76				Compound Not Detected.		
14 Methyl acetate	43				Compound Not Detected.		

Compounds	QUANT SIG	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	7.222	7.240	(0.806)	702951	46.3597	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	7.677	7.695	(0.857)	1447843	4.65132	4.7 (Q)
24 Chloroform	83	7.707	7.725	(0.860)	248282	0.84027	0.84
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	8.389	8.397	(0.936)	416305	4.21144	4.2 (Q)
\$ 29 Benzene-d6	84	8.399	8.417	(0.666)	2185863	4.74675	4.7
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	8.962	8.971	(1.000)	2305582	5.00000	
33 Trichloroethene	95	9.299	9.307	(0.738)	85207	0.39777	0.40 (a)
\$ 34 1,2-Dichloropropane-d6	67	9.477	9.485	(0.752)	1023926	4.38641	4.4
35 Methylcyclohexane	55				Compound Not Detected.		
36 1,2-Dichloropropane	63				Compound Not Detected.		
37 Bromodichloromethane	83	9.951	9.940	(0.790)	194688	0.90961	0.91
38 cis-1,3-Dichloropropene	75				Compound Not Detected.		
39 4-Methyl-2-pentanone	43				Compound Not Detected.		
\$ 40 Toluene-d8	98	10.831	10.820	(0.860)	2261522	4.73437	4.7
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.148	11.146	(0.885)	543934	4.73713	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	11.652	11.660	(0.925)	761989	49.1603	49
47 2-Hexanone	43				Compound Not Detected.		
48 Dibromochloromethane	129	11.909	11.917	(0.945)	111053	1.01858	1.0
49 1,2-Dibromoethane	107				Compound Not Detected.		
* 50 Chlorobenzene-d5	117	12.601	12.639	(1.000)	1660285	5.00000	
51 Chlorobenzene	112				Compound Not Detected.		
52 Ethylbenzene	91				Compound Not Detected.		
53 m,p-Xylene	106	12.898	12.936	(1.024)	88850	0.35956	0.36 (a)
54 Styrene	104				Compound Not Detected.		
55 o-Xylene	106				Compound Not Detected.		
56 Bromoform	173	13.649	13.717	(0.887)	20634	0.36482	0.36 (a)
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.154	14.241	(1.123)	385584	4.71770	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	15.390	15.467	(1.000)	751597	5.00000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	====	--	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.785	15.873	(1.026)	542995	4.70816	4.7
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/maosmtr.b/816974.d
Lab Smp Id: 816974 Client Smp ID: SB03 193
Inj Date : 18-JAN-2010 17:47
Operator : MRV Inst ID: M.i
Smp Info : ISCO SB03 193 :[]01/06/10 @1530(WATER)
Misc Info : 816974,011810MC,1,5
Comment :
Method : /chem/M.i/Msvr.p/maosmtr.b/somtr4.m
Meth Date : 20-Jan-2010 10:29 jdl Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 11
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	8.962	5997719	5.000
* 50 Chlorobenzene-d5	12.601	5661010	5.000
* 61 1,4-Dichlorobenzene-d4	15.390	5227507	5.000

RT	CONCENTRATIONS			QUAL	QUANT		
	AREA	ON-COL (ug/L)	FINAL (ug/L)		LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown				CAS #:			
2.318	1042761	0.86929826	0.87	0		0	32

Data File: /chem/M.i/Msvr.p/maosmtr.b/816974.d
Report Date: 27-Jan-2010 13:42

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RT	CONCENTRATIONS			QUAL	QUANT		CPND #
	AREA	ON-COL (ug/L)	FINAL (ug/L)		LIBRARY	LIB ENTRY	
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
10.446	3950167	3.29305771	3.3	0		0	32
Hexanal					CAS #: 66-25-1		
11.830	1593890	1.40777866	1.4	90	NIST05.1	3688	50
Unknown					CAS #:		
15.202	600907	0.57475526	0.57	0		0	61
Unknown					CAS #:		
15.578	1634322	1.56319386	1.6	0		0	61
Unknown					CAS #:		
16.280	595306	0.56939758	0.57	0		0	61
Unknown					CAS #:		
16.369	2891980	2.76611764	2.8	0		0	61
Unknown					CAS #:		
17.269	856069	0.81881149	0.82	0		0	61
Decanal					CAS #: 112-31-2		
17.377	1178004	1.12673598	1.1	91	NIST05.1	27021	61
Unknown					CAS #:		
19.306	541840	0.51825868	0.52	0		0	61

Data File: /chem/M.i/Msvr.p/maosmtr.b/816974.d

Page 7

Date : 18-JAN-2010 17:47

Client ID: SB03 193

Instrument: M.i

Sample Info: ISCO SB03 193 :[101/06/10 @1530(WATER)

Purge Volume: 25.0

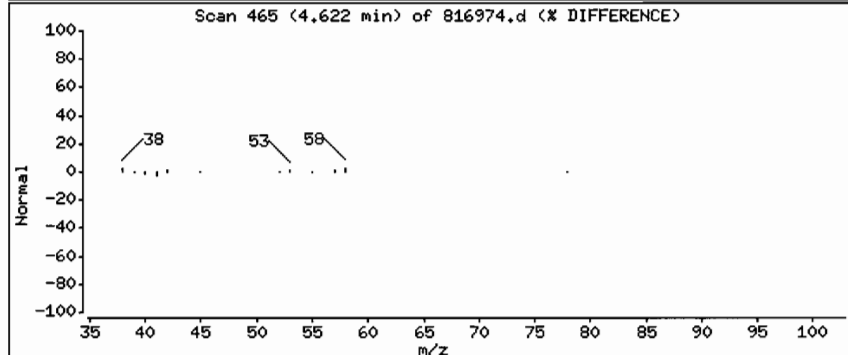
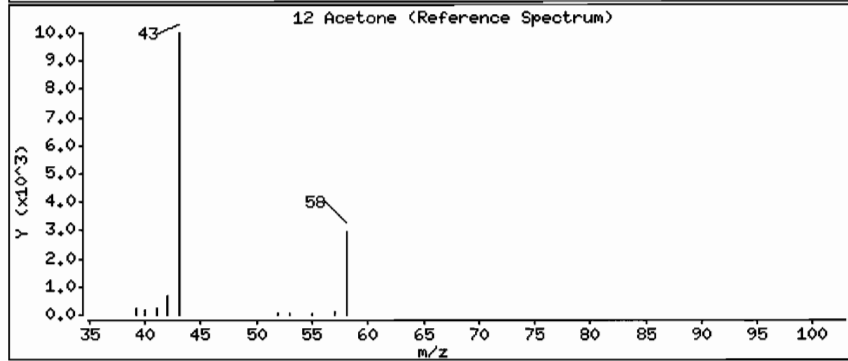
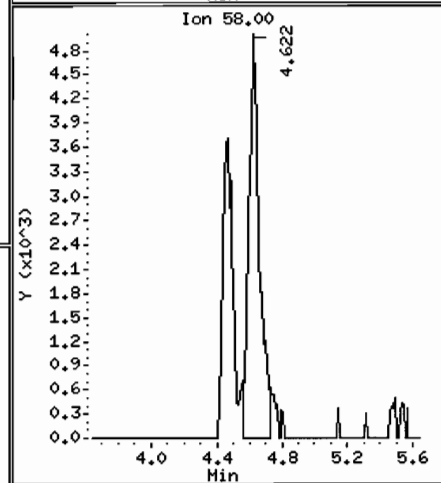
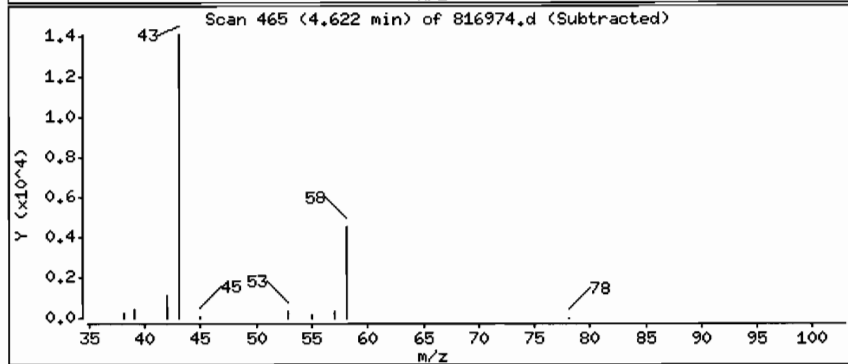
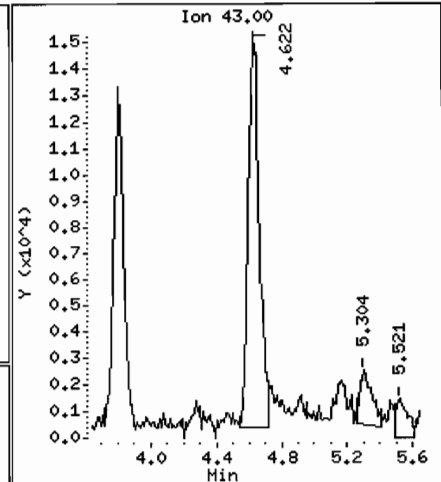
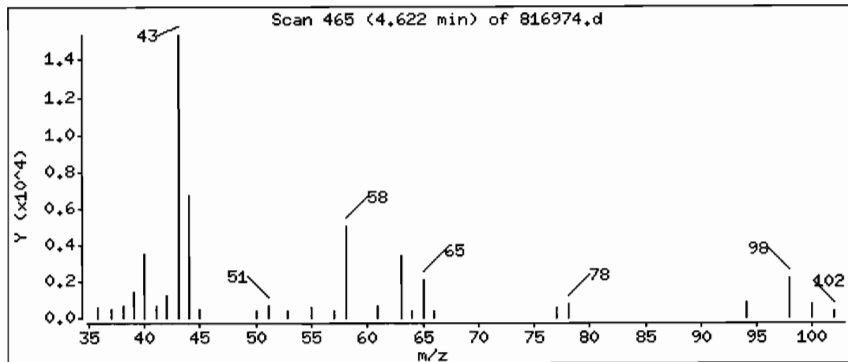
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 13 ug/L



Data File: /chem/H.i/Msvr.p/maosntr.b/816974.d
 Date : 18-JAN-2010 17:47
 Client ID: SB03 193
 Sample Info: ISCO SB03 193 :[101/06/10 @1530(WATER)
 Purge Volume: 25.0
 Column phase: DB-624

Page 8

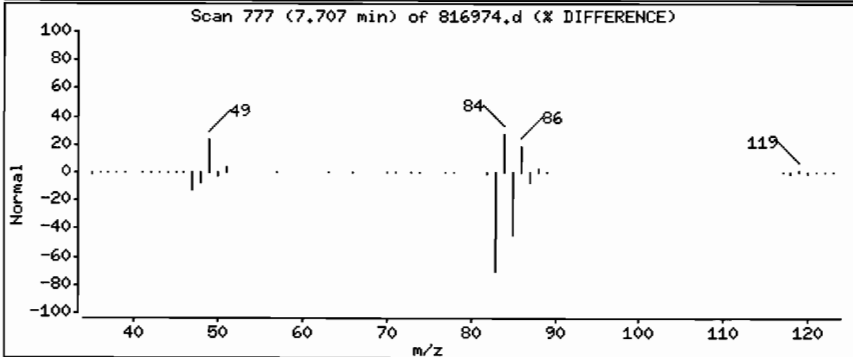
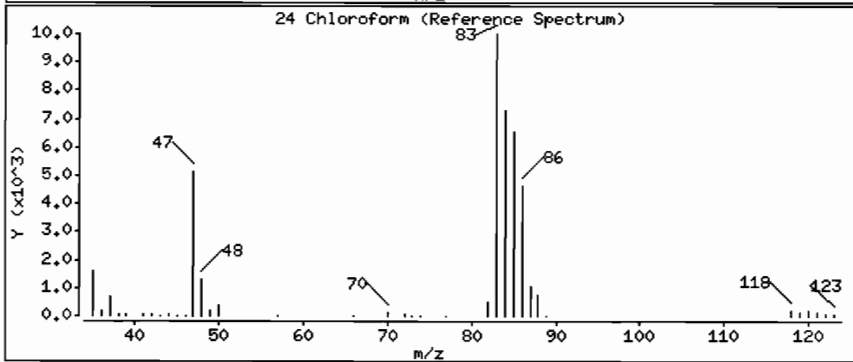
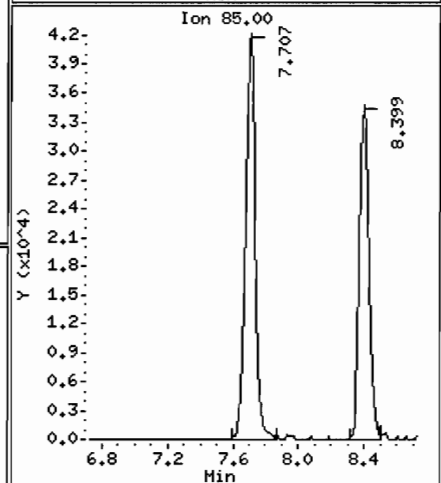
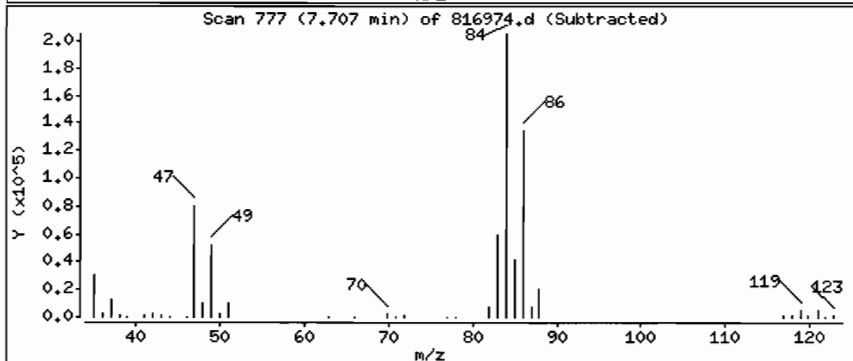
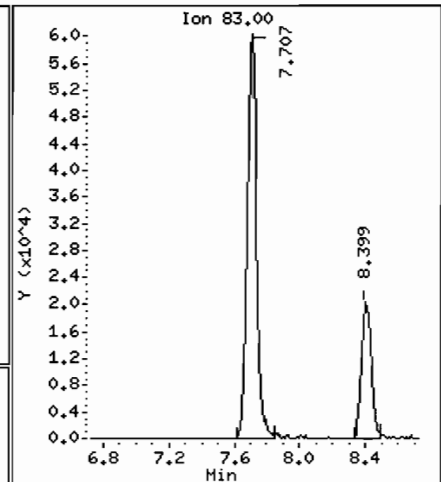
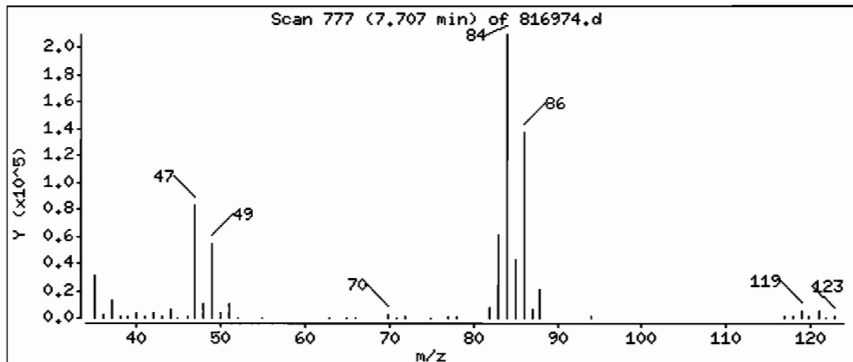
Instrument: H.i

Operator: MRV

Column diameter: 0.53

24 Chloroform

Concentration: 0.84 ug/L



Data File: /chem/M.i/Msvr.p/maosmtr.b/816974.d

Page 9

Date : 18-JAN-2010 17:47

Client ID: SB03 193

Instrument: H.i

Sample Info: ISCO SB03 193 :[101/06/10 @1530(WATER)

Purge Volume: 25.0

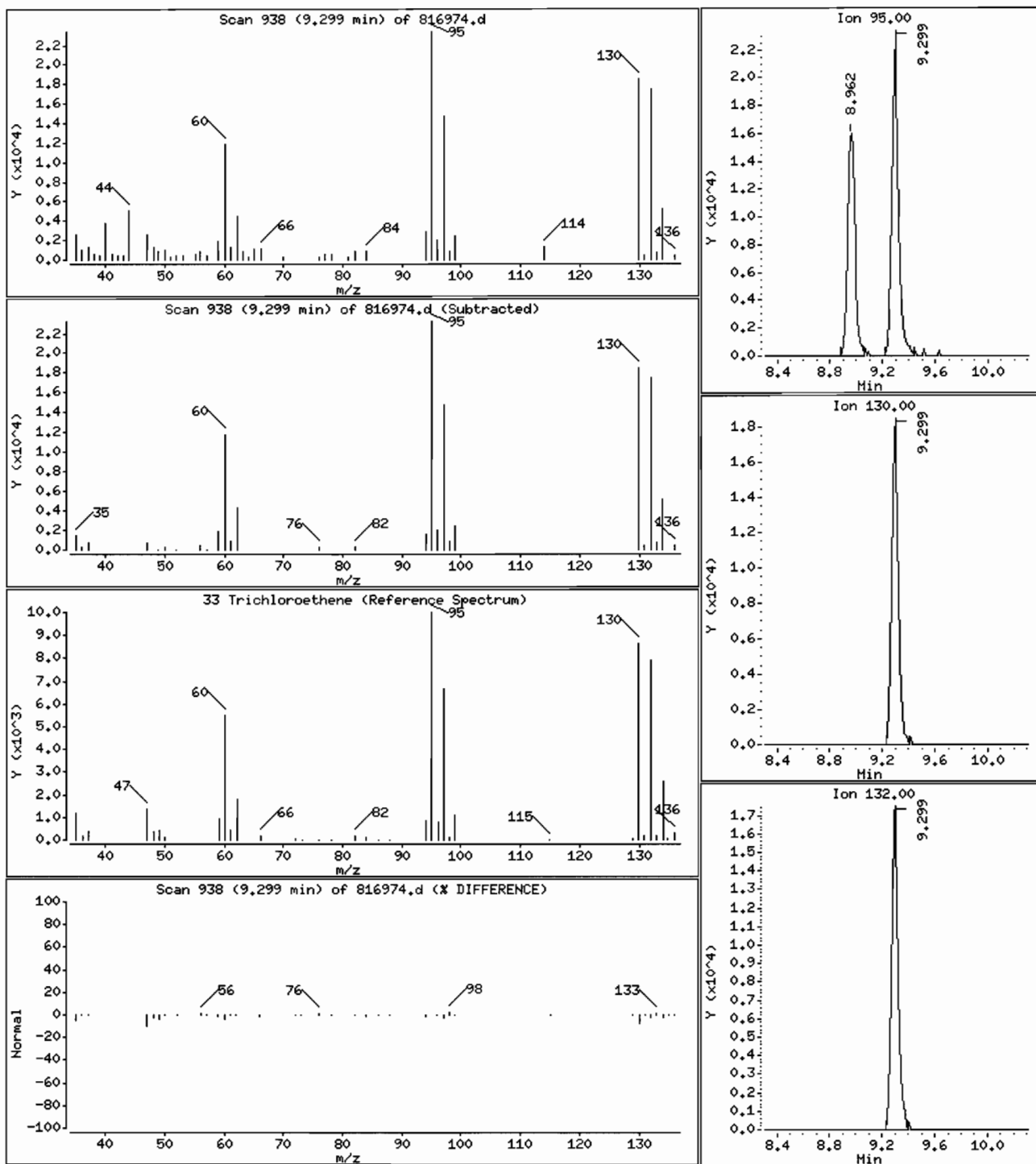
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 0.40 ug/L



Data File: /chem/M.i/Msvr.p/maosmtr.b/816974.d

Page 10

Date : 18-JAN-2010 17:47

Client ID: SB03 193

Instrument: M.i

Sample Info: ISCO SB03 193 :[101/06/10 @1530(WATER)

Purge Volume: 25.0

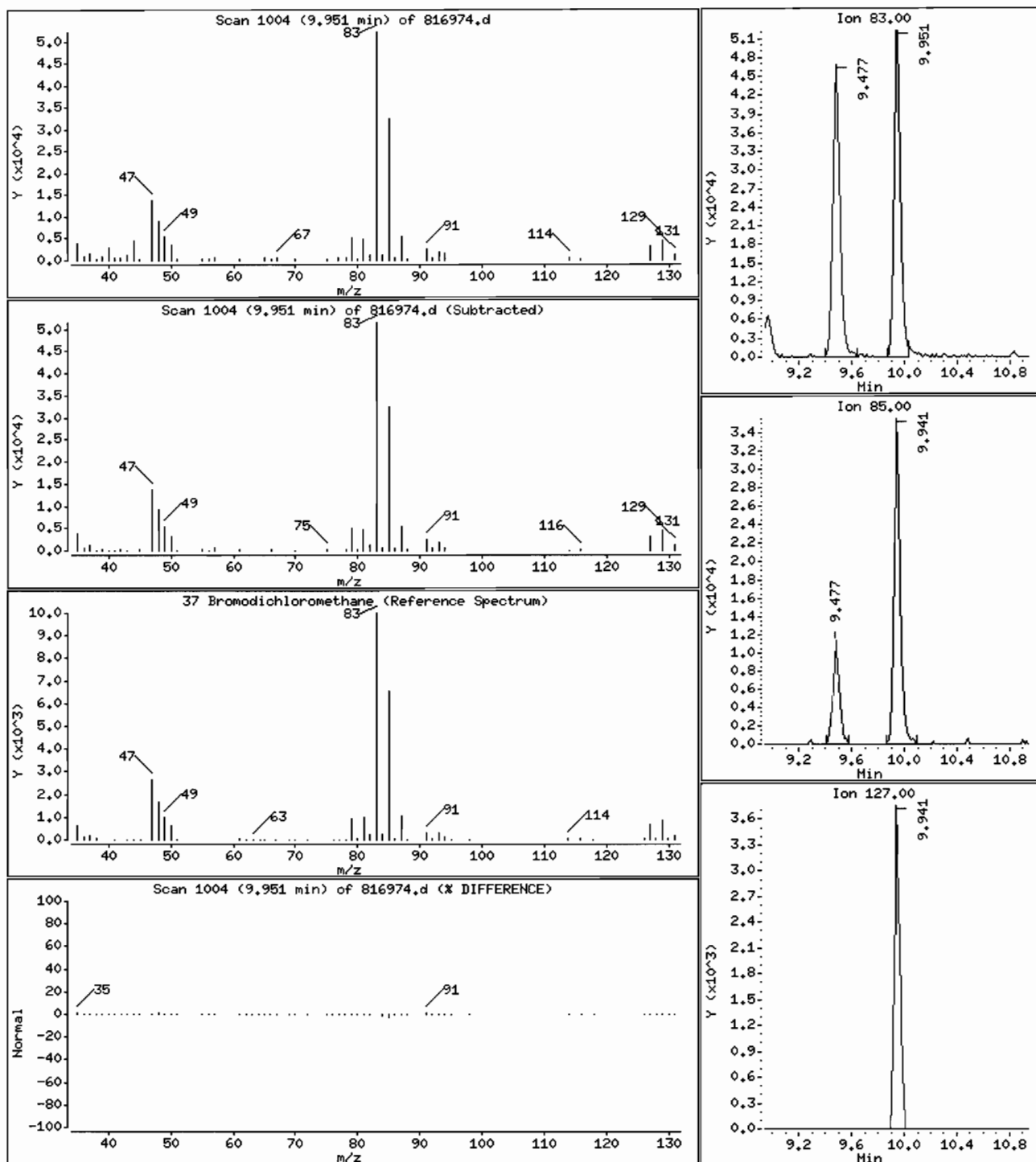
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

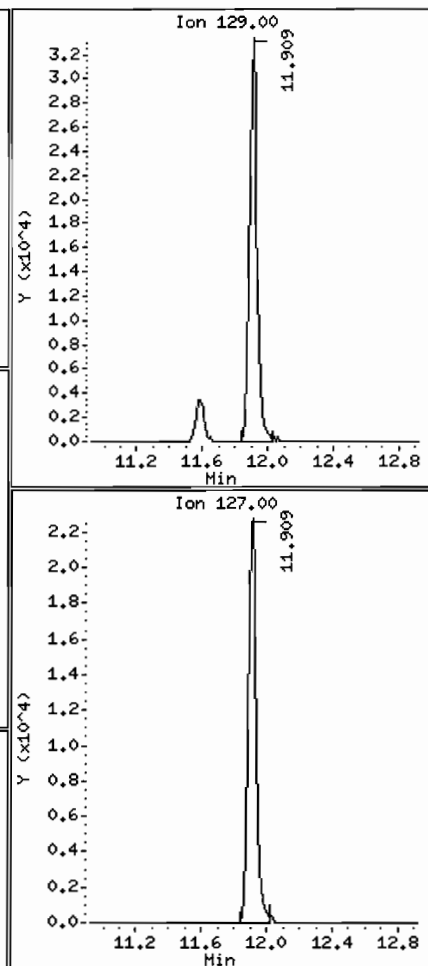
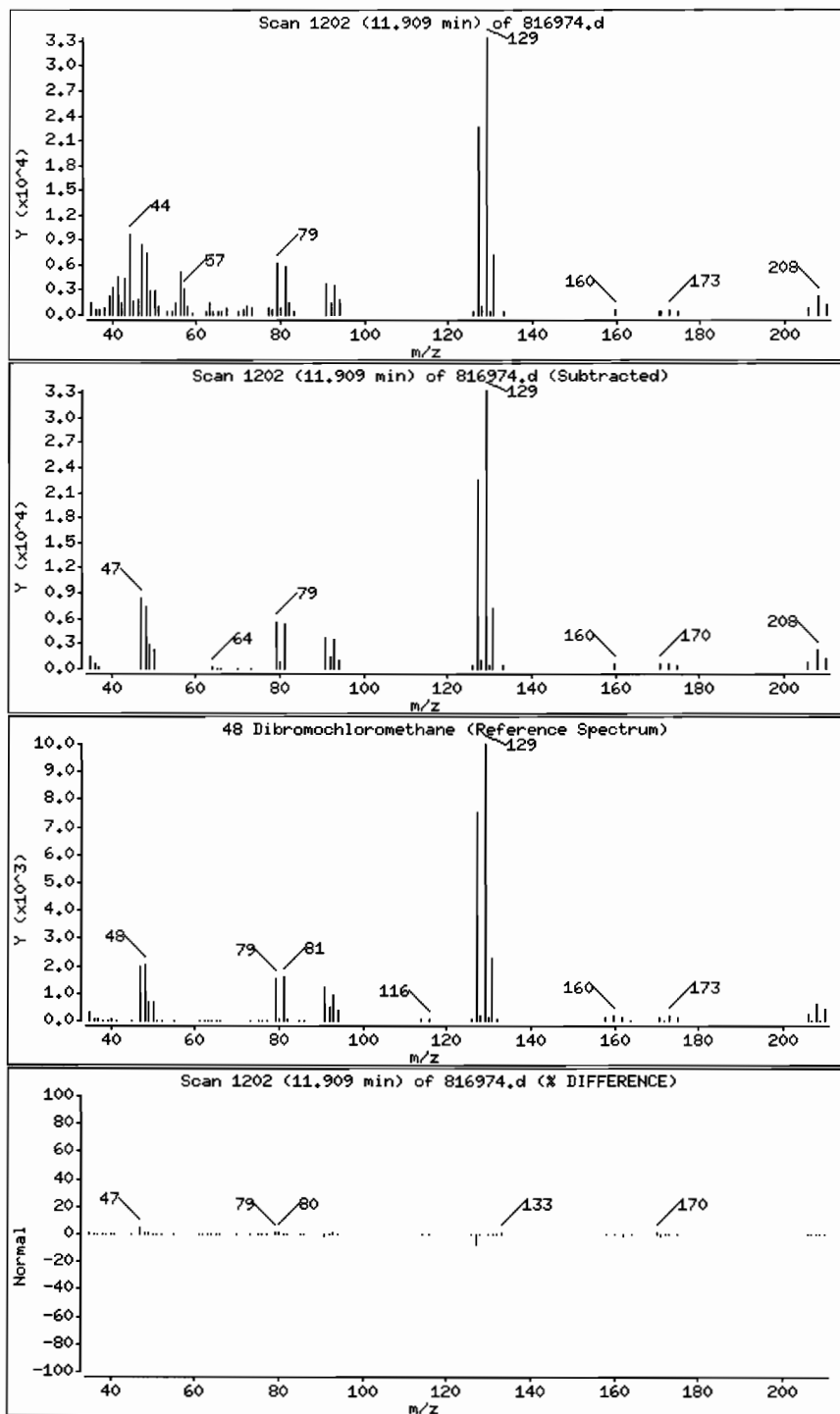
37 Bromodichloromethane

Concentration: 0.91 ug/L



Data File: /chem/M.i/Msivr.p/maosmtr.b/816974.d
Date : 18-JAN-2010 17:47
Client ID: SB03 193
Sample Info: ISCO SB03 193 :[101/06/10 @1530(WATER)
Purge Volume: 25.0
Column phase: DB-624

Page 11
Instrument: M.i
Operator: HRV
Column diameter: 0.53
Concentration: 1.0 ug/L



Data File: /chem/M.i/Msvr.p/maosmtr.b/816974.d

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Date : 18-JAN-2010 17:47

Client ID: SB03 193

Instrument: M.i

Sample Info: ISCO SB03 193 :[101/06/10 @1530(WATER)

Purge Volume: 25.0

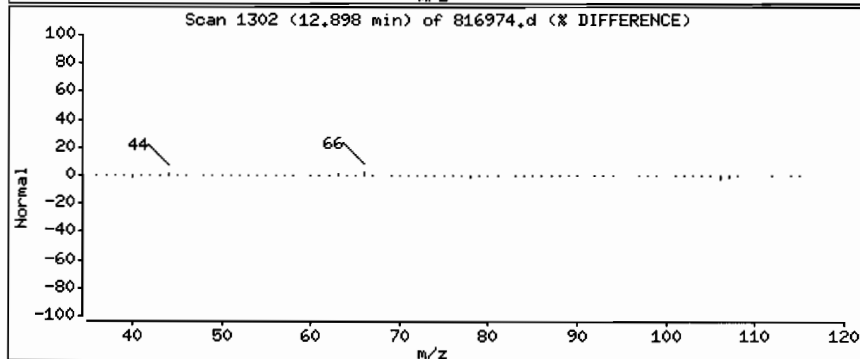
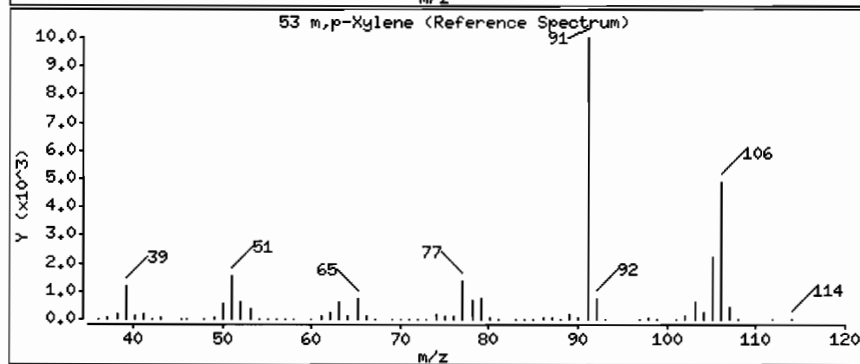
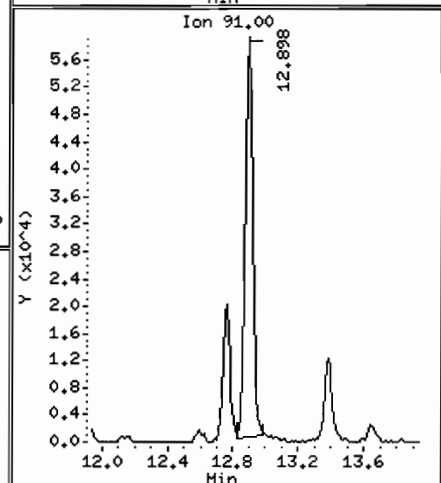
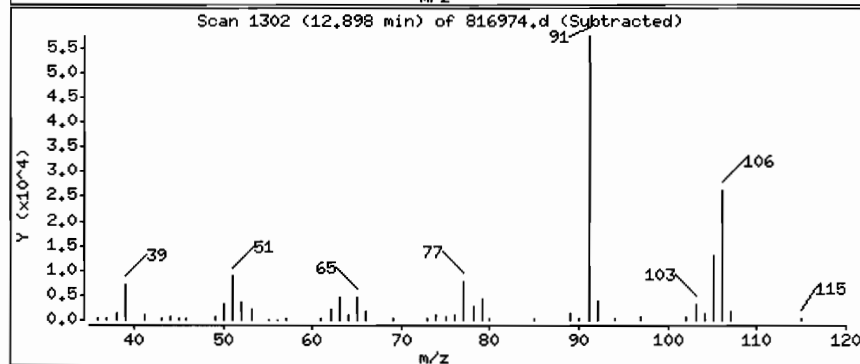
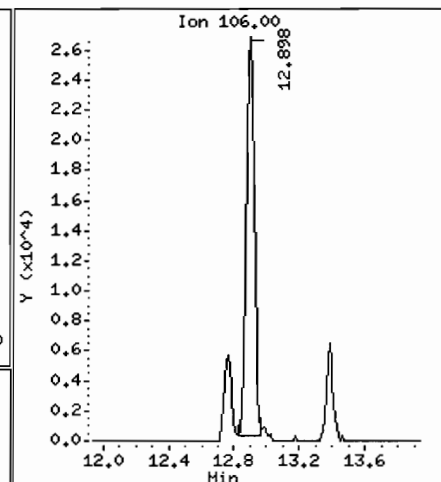
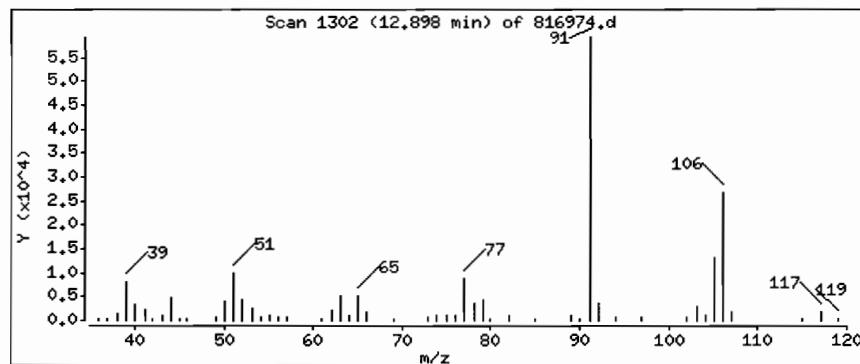
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

53 m,p-Xylene

Concentration: 0.36 ug/L



Data File: /chem/H.i/Msvr.p/maosmtr.b/816974.d

Page 13

Date : 18-JAN-2010 17:47

Client ID: SB03 193

Instrument: M.i

Sample Info: ISCO SB03 193 :I 101/06/10 @1530(WATER)

Purge Volume: 25.0

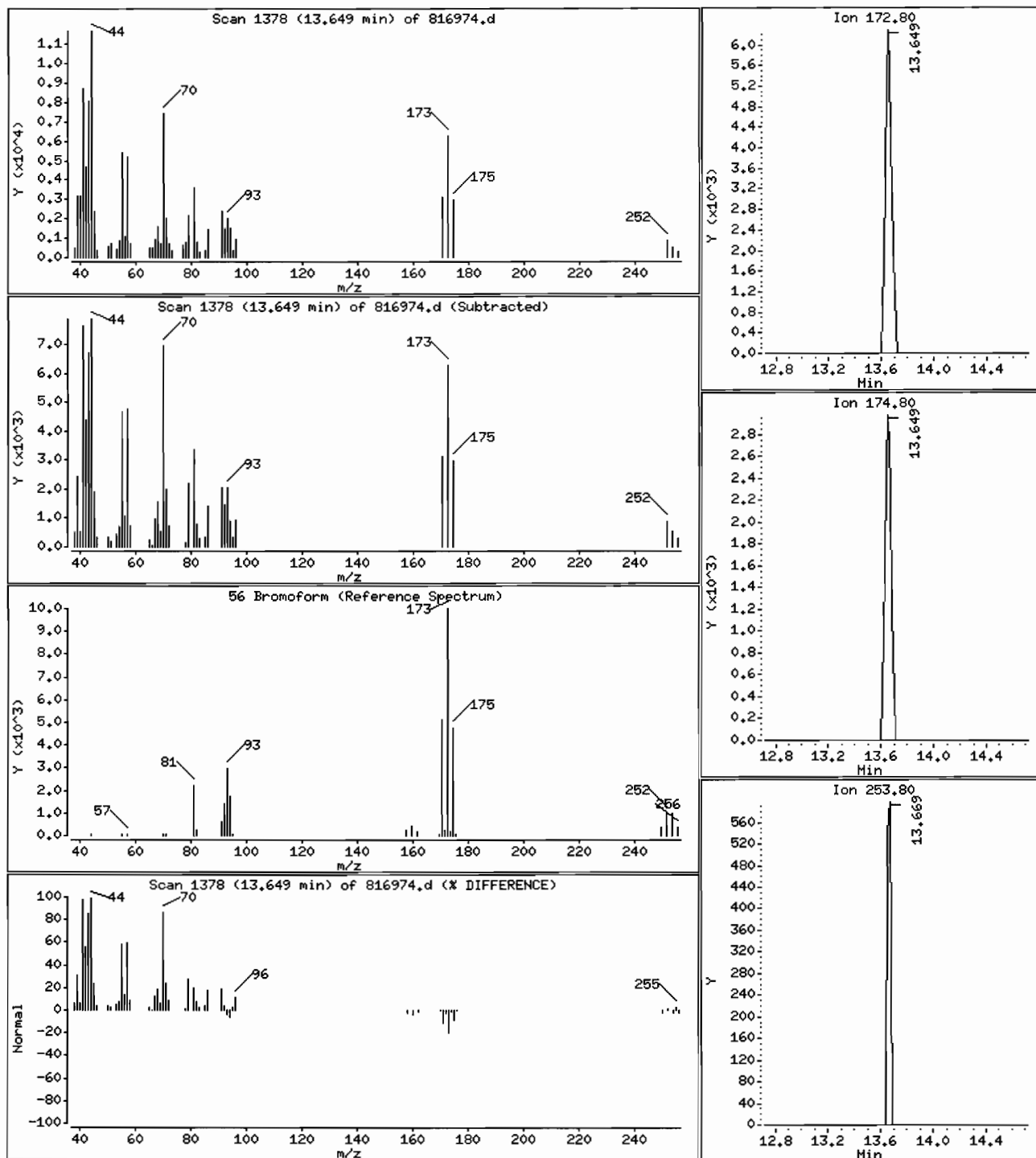
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

56 Bromoform

Concentration: 0.36 ug/L



Date : 18-JAN-2010 17:47

Client ID: SB03 193

Instrument: M.i

Sample Info: ISCO SB03 193 :[101/06/10 @1530(WATER)

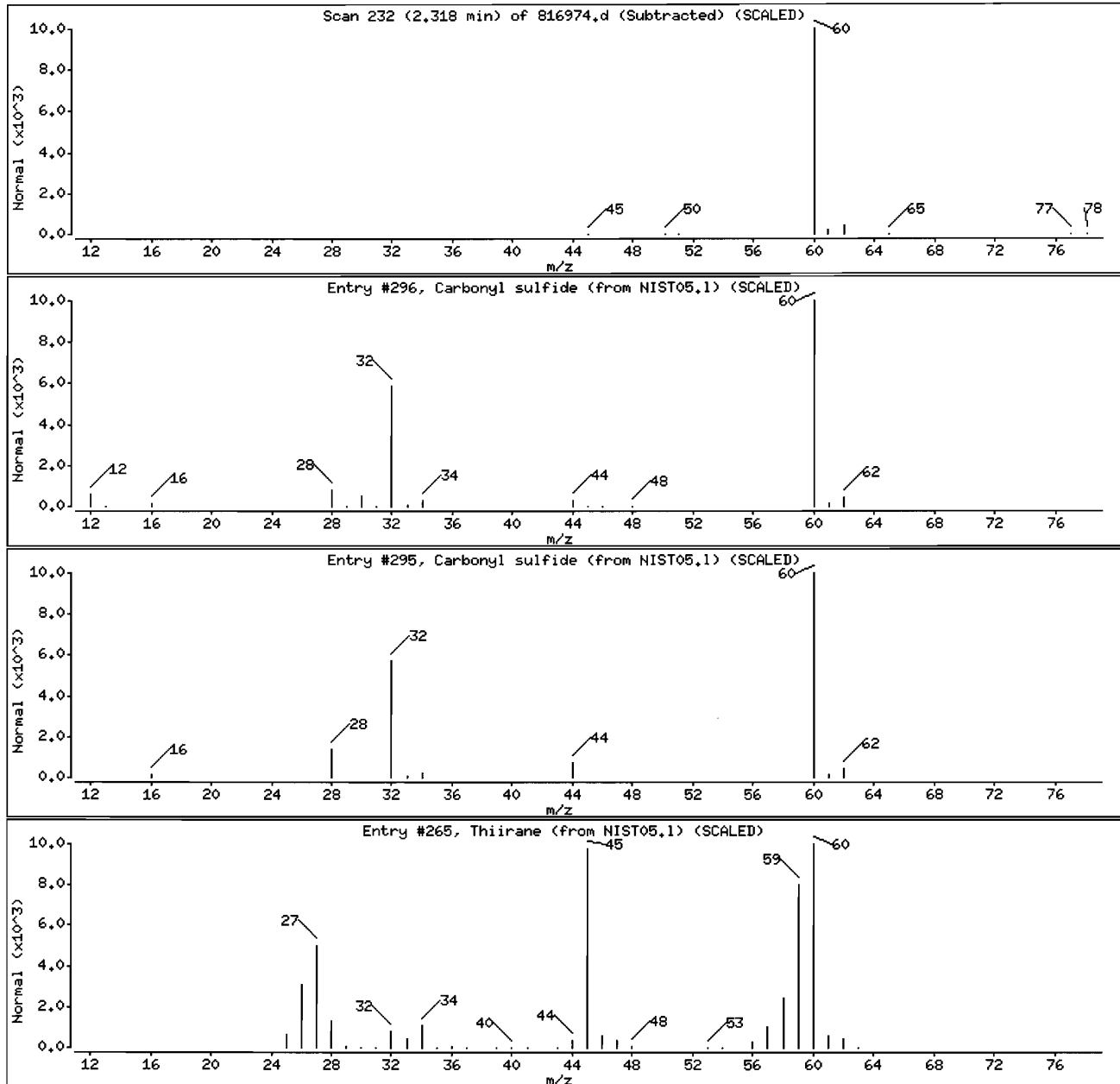
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonyl sulfide	463-58-1	NIST05.1	296	7	COS	60
Carbonyl sulfide	463-58-1	NIST05.1	295	7	COS	60
Thiirane	420-12-2	NIST05.1	265	4	C2H4S	60



Date : 18-JAN-2010 17:47

Client ID: SB03 193

Instrument: M.i

Sample Info: ISCO SB03 193 :[101/06/10 @1530(WATER)

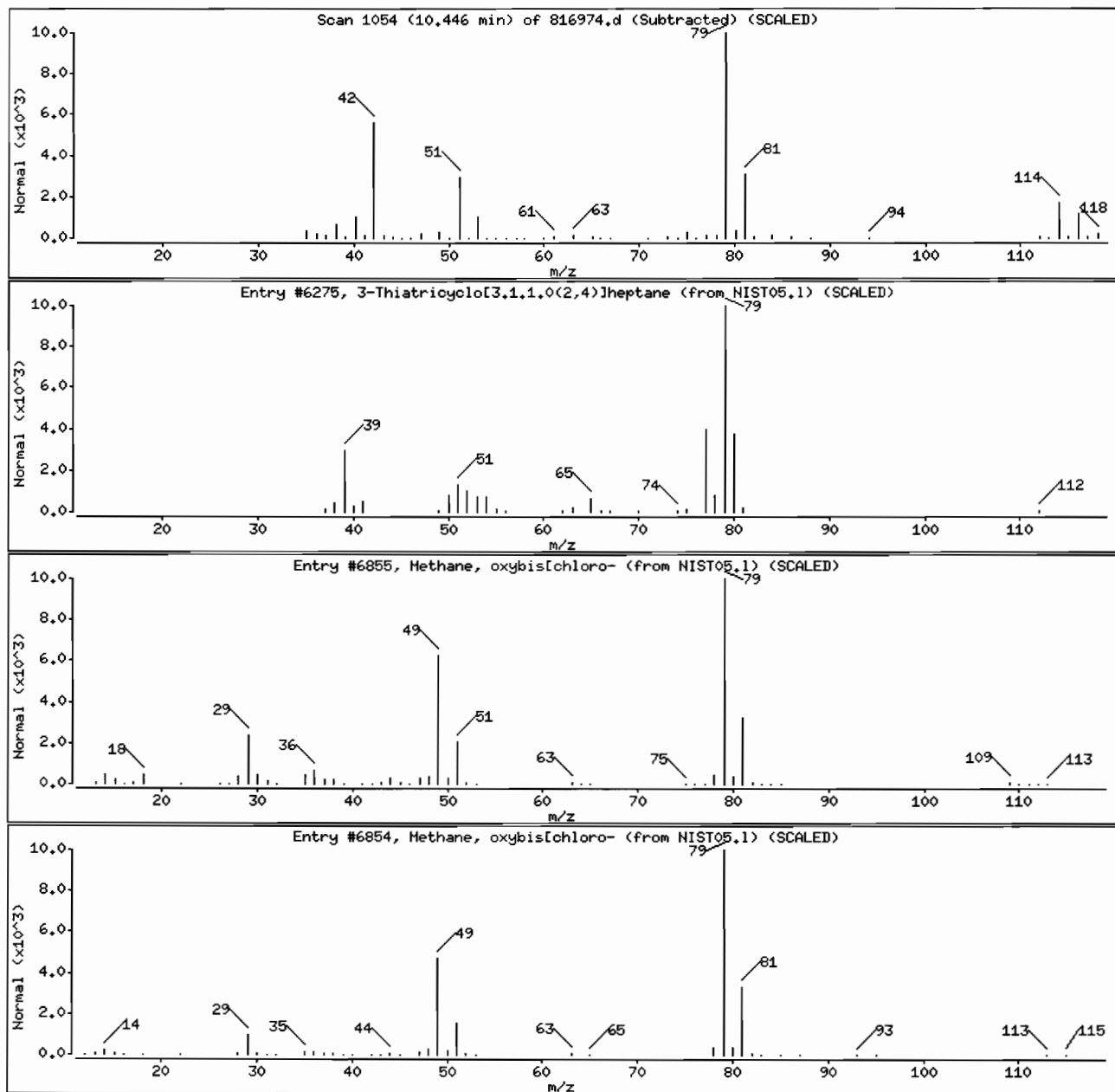
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	37	C6H8S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6855	25	C2H4Cl2O	114
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114



Date : 18-JAN-2010 17:47

Client ID: SB03 193

Instrument: M.i

Sample Info: ISCO SB03 193 :[101/06/10 @1530(WATER)

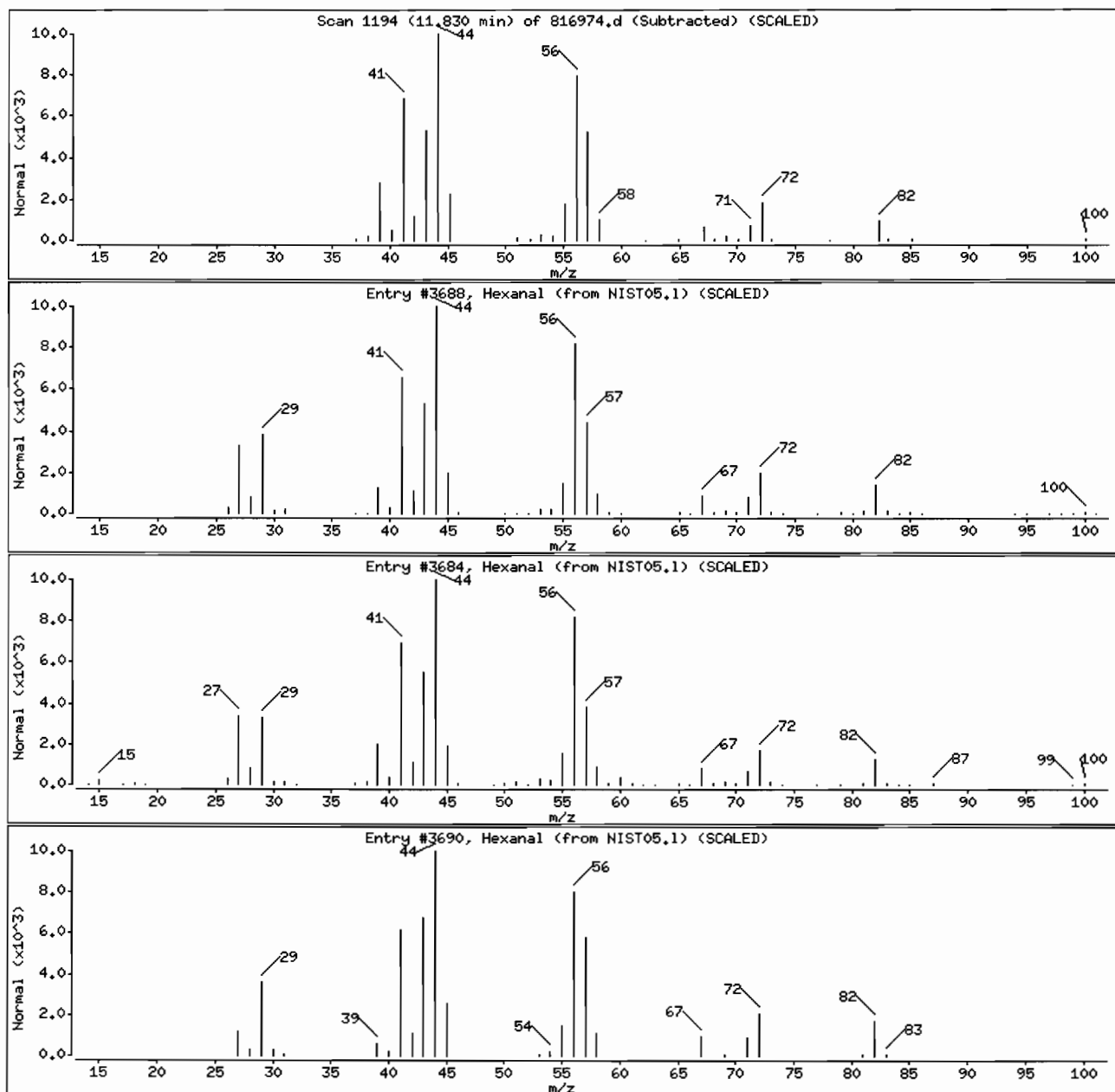
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	NIST05.1	3688	90	C ₆ H ₁₂ O	100
Hexanal	66-25-1	NIST05.1	3684	90	C ₆ H ₁₂ O	100
Hexanal	66-25-1	NIST05.1	3690	83	C ₆ H ₁₂ O	100



Date : 18-JAN-2010 17:47

Client ID: SB03 193

Instrument: M.i

Sample Info: ISCO SB03 193 :[101/06/10 @1530(WATER)

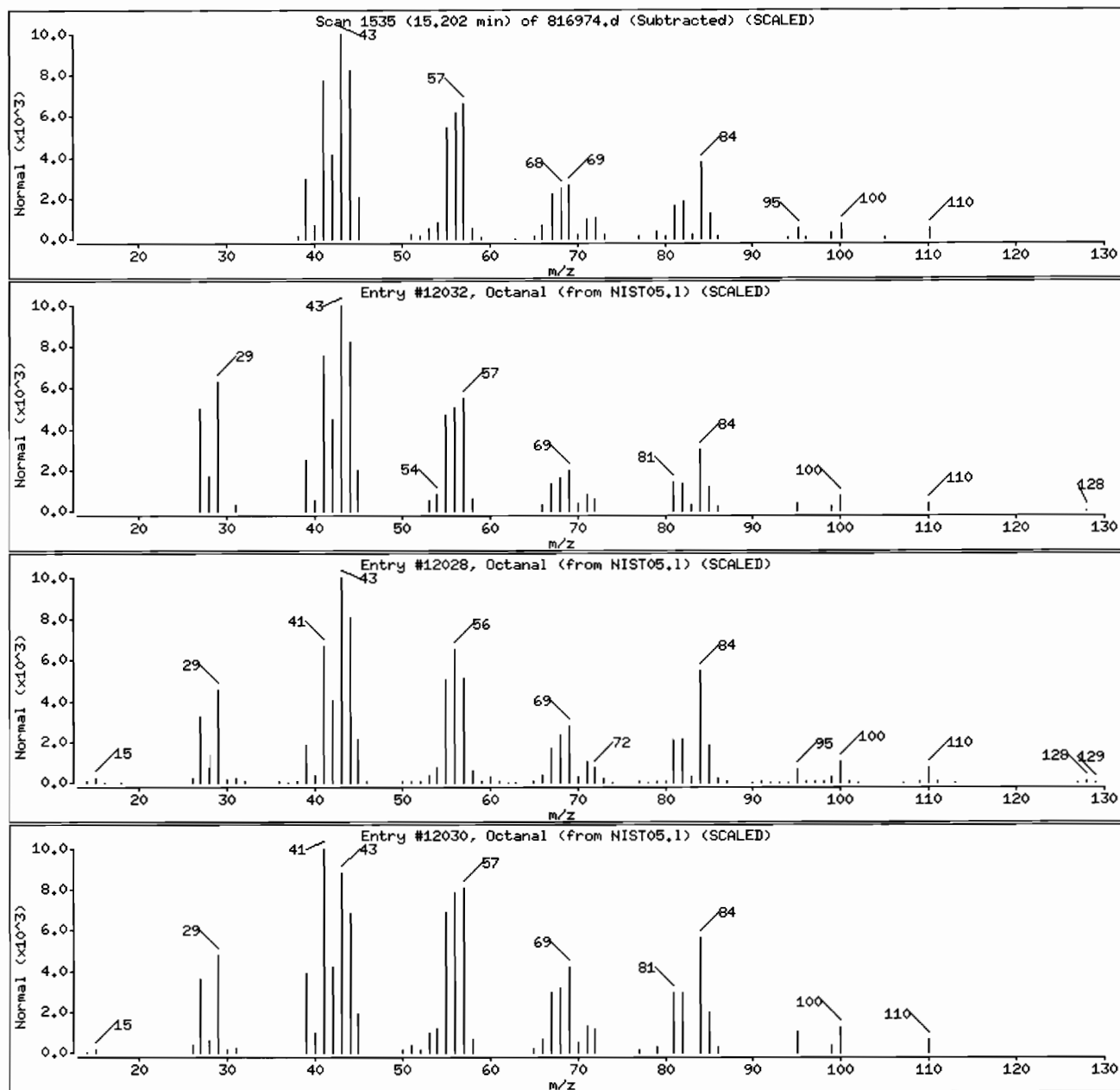
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octanal	124-13-0	NIST05.1	12032	80	C8H16O	128
Octanal	124-13-0	NIST05.1	12028	78	C8H16O	128
Octanal	124-13-0	NIST05.1	12030	64	C8H16O	128



Date : 18-JAN-2010 17:47

Client ID: SB03 193

Instrument: M.i

Sample Info: ISCO SB03 193 :I 101/06/10 @1530(WATER)

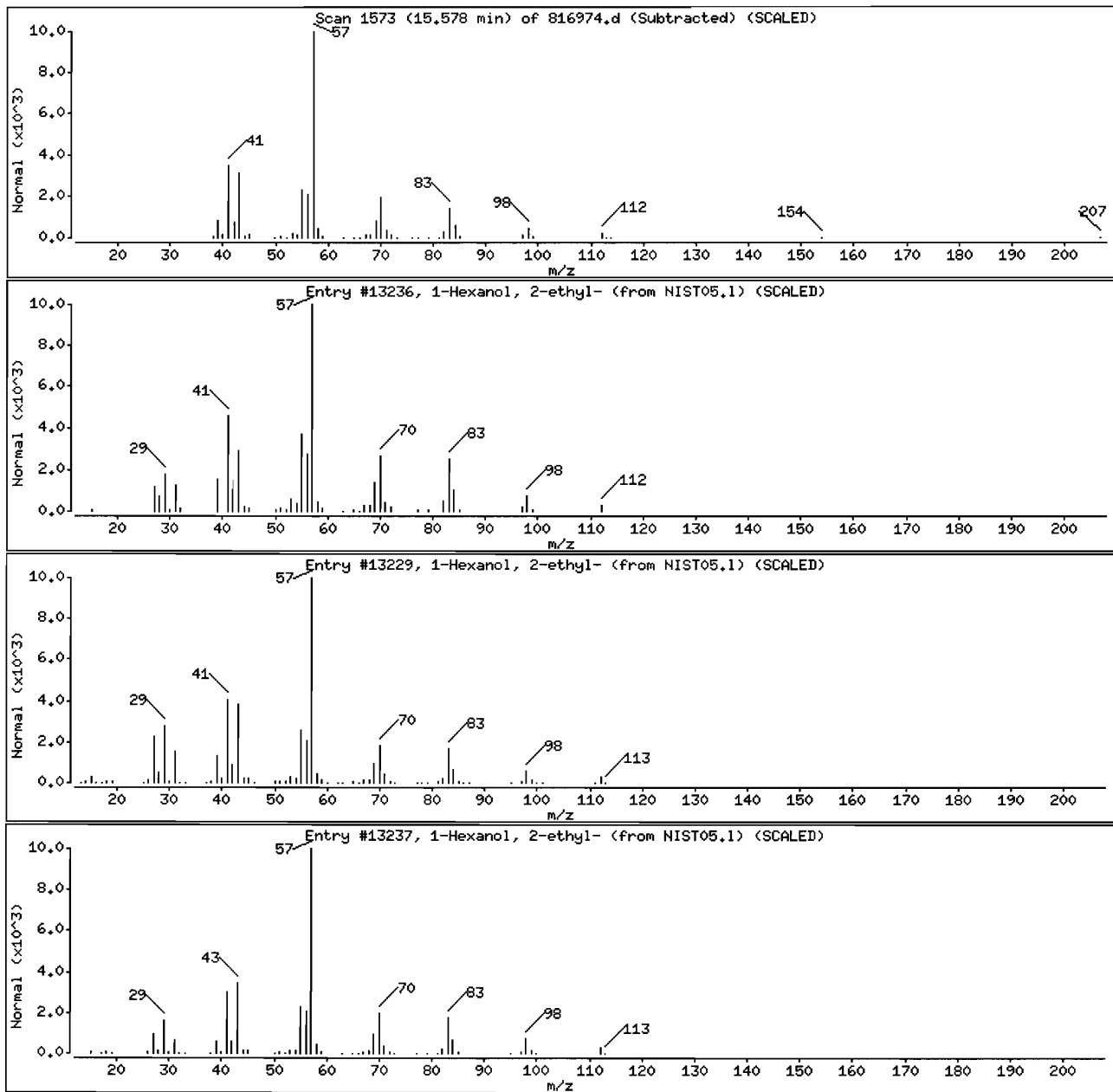
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Hexanol, 2-ethyl-	104-76-7	NIST05.1	13236	78	C8H18O	130
1-Hexanol, 2-ethyl-	104-76-7	NIST05.1	13229	78	C8H18O	130
1-Hexanol, 2-ethyl-	104-76-7	NIST05.1	13237	72	C8H18O	130



Date : 18-JAN-2010 17:47

Client ID: SB03 193

Instrument: M.i

Sample Info: ISCO SB03 193 :I 101/06/10 @1530(WATER)

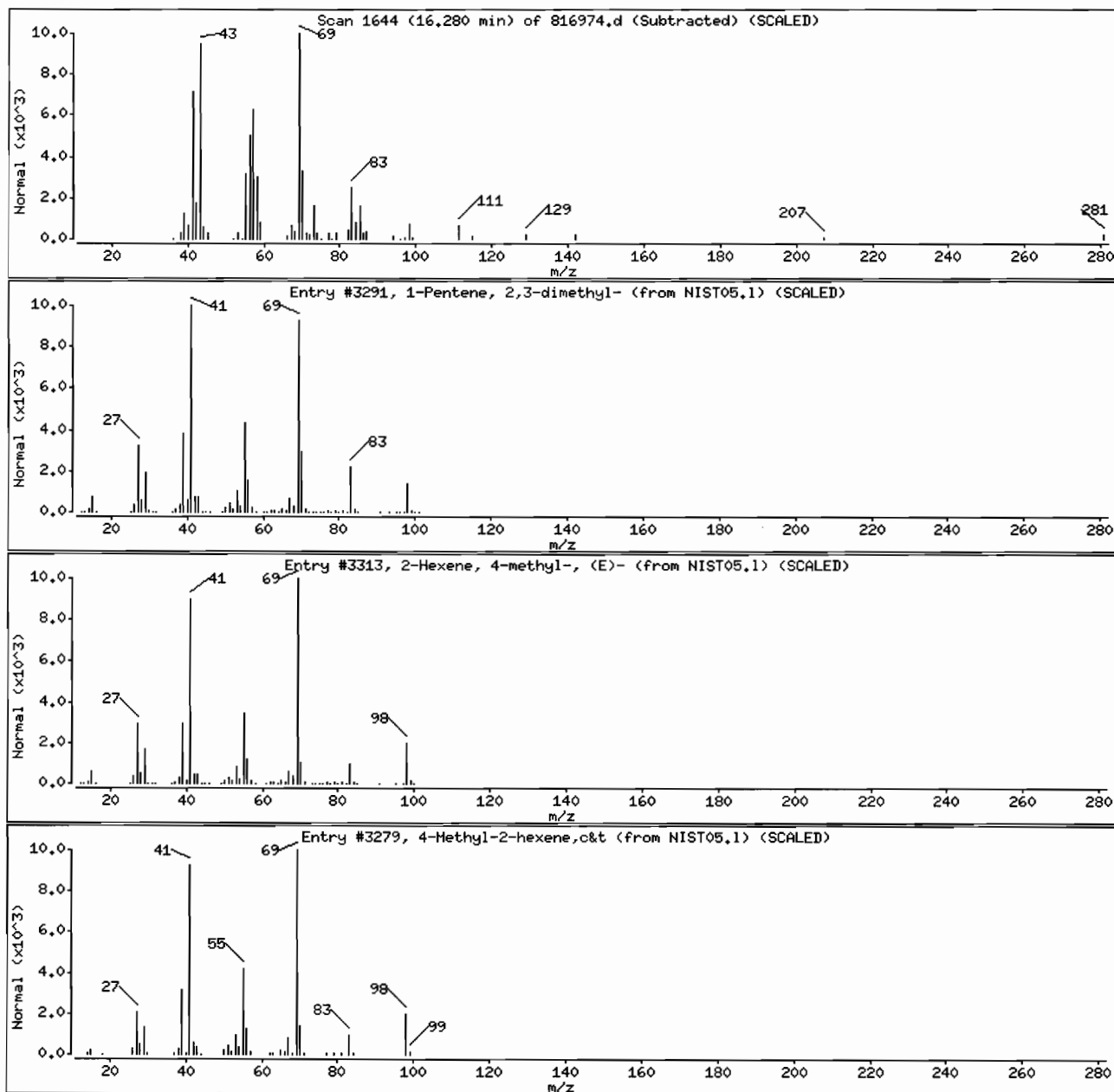
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Pentene, 2,3-dimethyl-	3404-72-6	NIST05.1	3291	47	C7H14	98
2-Hexene, 4-methyl-, (E)-	3683-22-5	NIST05.1	3313	43	C7H14	98
4-Methyl-2-hexene,c&t	3404-55-5	NIST05.1	3279	43	C7H14	98



Date : 18-JAN-2010 17:47

Client ID: SB03 193

Instrument: H.i

Sample Info: ISCO SB03 193 :[101/06/10 @1530(WATER)

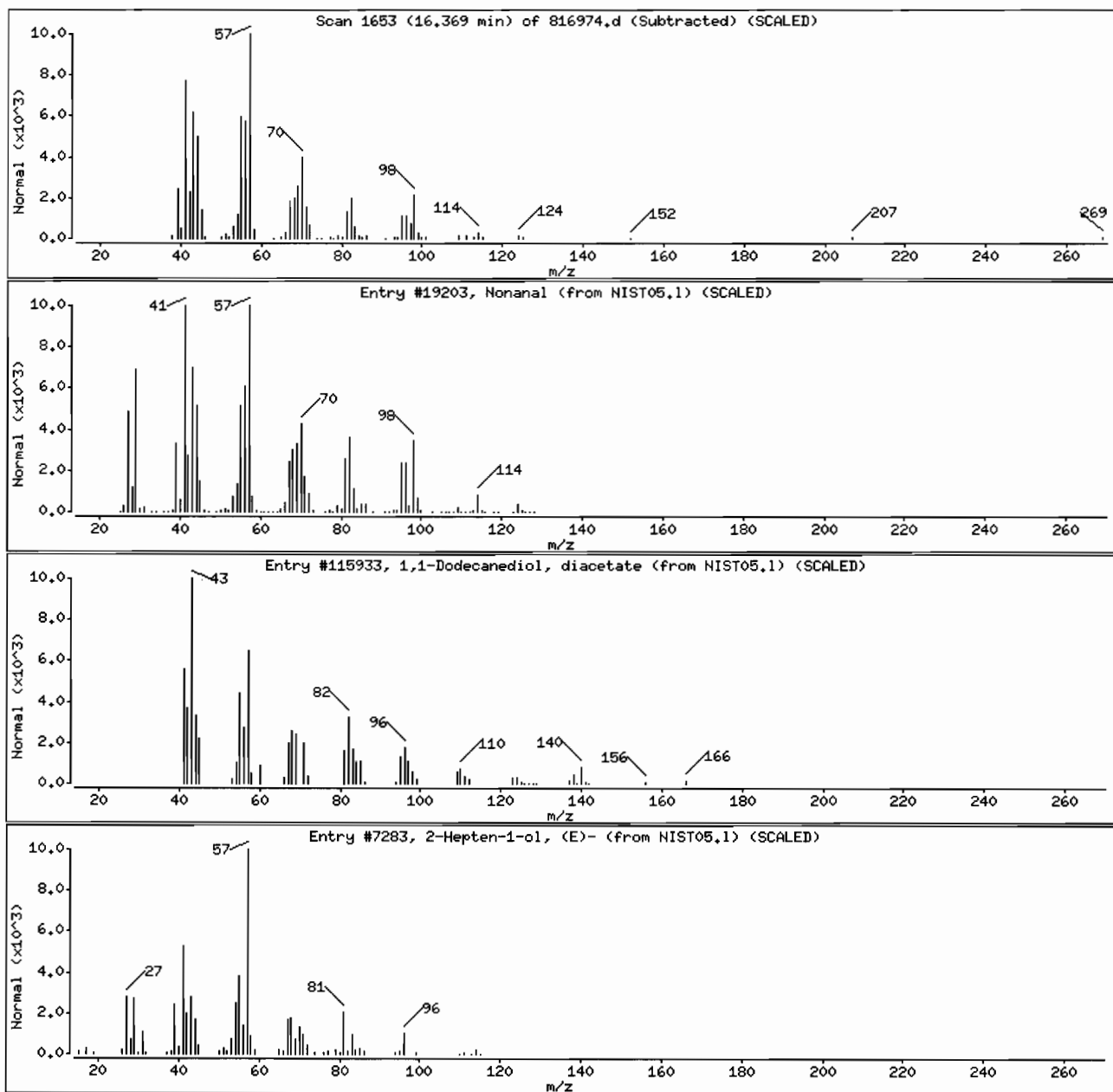
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Nonanal	124-19-6	NIST05.1	19203	50	C ₉ H ₁₈ O	142
1,1-Dodecanediol, diacetate	56438-07-4	NIST05.1	115933	35	C ₁₆ H ₃₀ O ₄	286
2-Hepten-1-ol, (E)-	33467-76-4	NIST05.1	7283	30	C ₇ H ₁₄ O	114



Date : 18-JAN-2010 17:47

Client ID: SB03 193

Instrument: H.i

Sample Info: ISCO SB03 193 :[101/06/10 @1530(WATER)

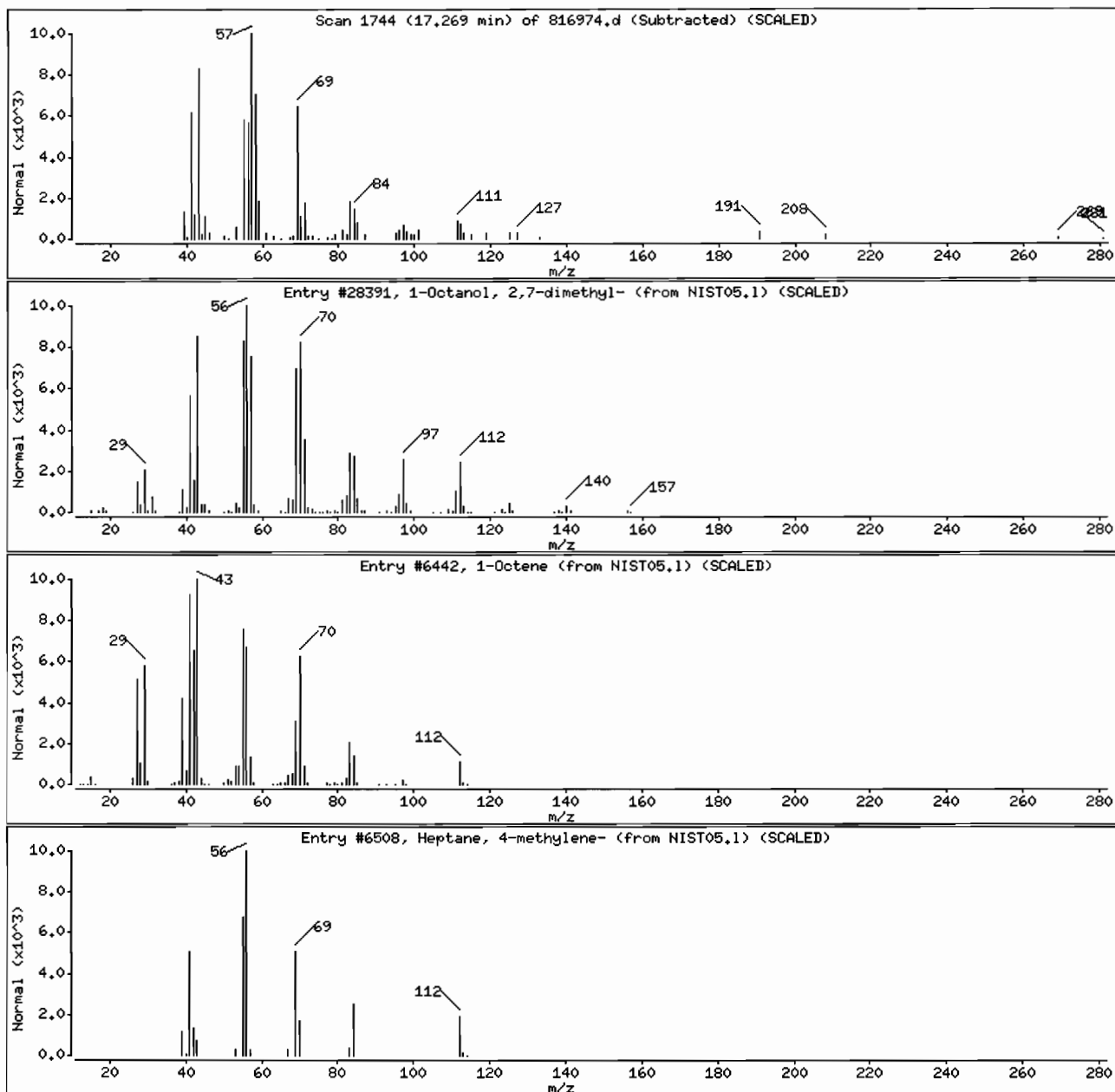
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Octanol, 2,7-dimethyl-	15250-22-3	NIST05.1	28391	35	C ₁₀ H ₂₂ O	158
1-Octene	111-66-0	NIST05.1	6442	30	C ₈ H ₁₆	112
Heptane, 4-methylene-	15918-08-8	NIST05.1	6508	30	C ₈ H ₁₆	112



Date : 18-JAN-2010 17:47

Client ID: SB03 193

Instrument: M.i

Sample Info: ISCO SB03 193 :[101/06/10 @1530(WATER)

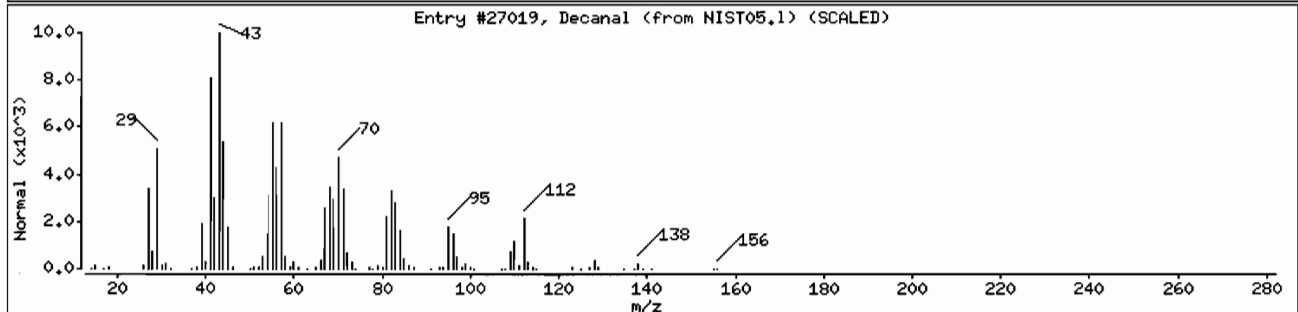
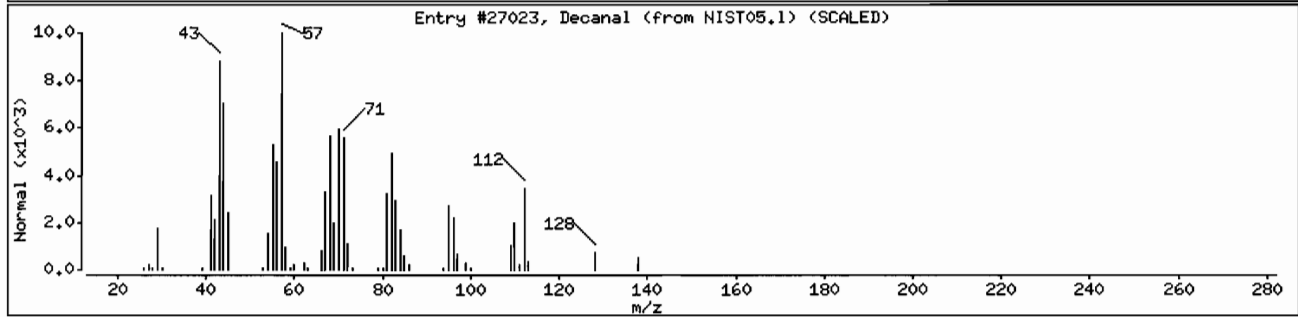
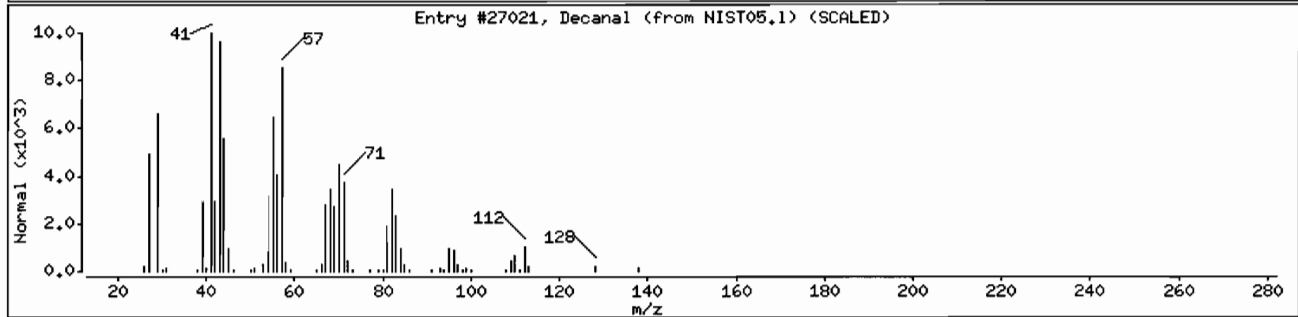
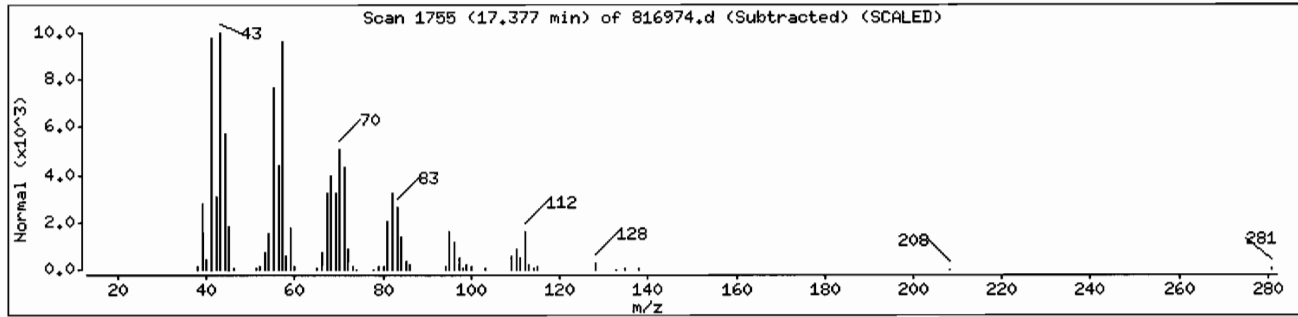
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decanal	112-31-2	NIST05.1	27021	91	C10H20O	156
Decanal	112-31-2	NIST05.1	27023	91	C10H20O	156
Decanal	112-31-2	NIST05.1	27019	80	C10H20O	156



Date : 18-JAN-2010 17:47

Client ID: SB03 193

Instrument: H.i

Sample Info: ISCO SB03 193 :[101/06/10 @1530(WATER)

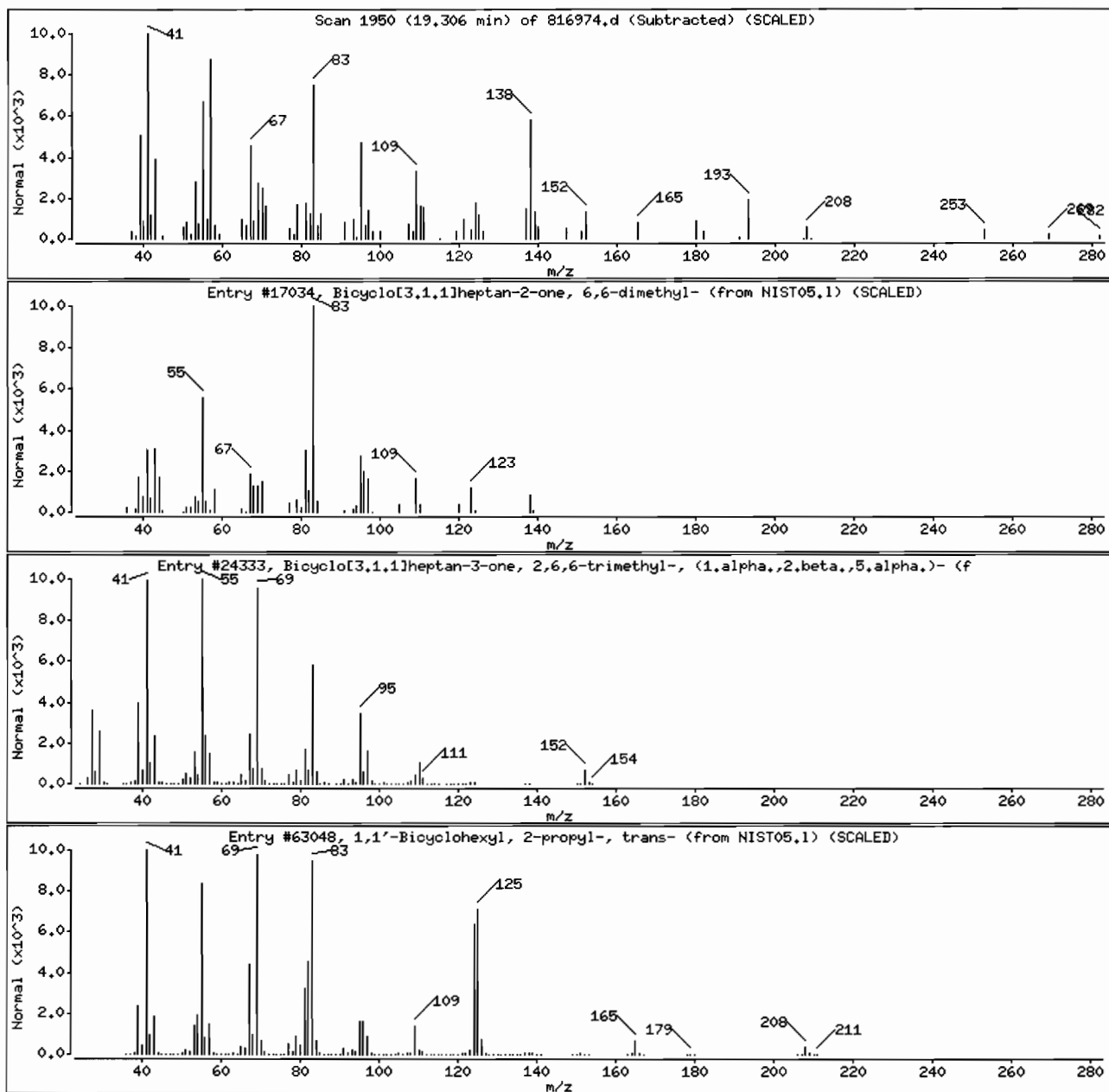
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Bicyclo[3.1.1]heptan-2-one, 6,6-dimethyl	24903-95-5	NIST05.1	17034	62	C9H14O	138
Bicyclo[3.1.1]heptan-3-one, 2,6,6-trimet	15358-88-0	NIST05.1	24333	46	C10H16O	152
1,1'-Bicyclohexyl, 2-propyl-, trans-	54934-89-3	NIST05.1	63048	43	C15H28	208



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

EPA SAMPLE NO.

SB03221-222

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816977

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816977

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% 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	47	
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	1.7	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	1.2	
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.

SB03221-222

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816977

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816977

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% 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	1.3	
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	1.3	
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	0.46	J
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.

SB03221-222

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816977

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816977

Level: (TRACE or LOW/MED) TRACE

Date Received: 01/08/2010

% 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	17	NJ
02		Unknown	10.45	3.4	JXB
03	66-25-1	Hexanal	11.83	0.74	NJ
04		Unknown	15.58	0.74	J
05		Unknown	16.37	1.3	J
06	112-31-2	Decanal	17.38	1.0	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		

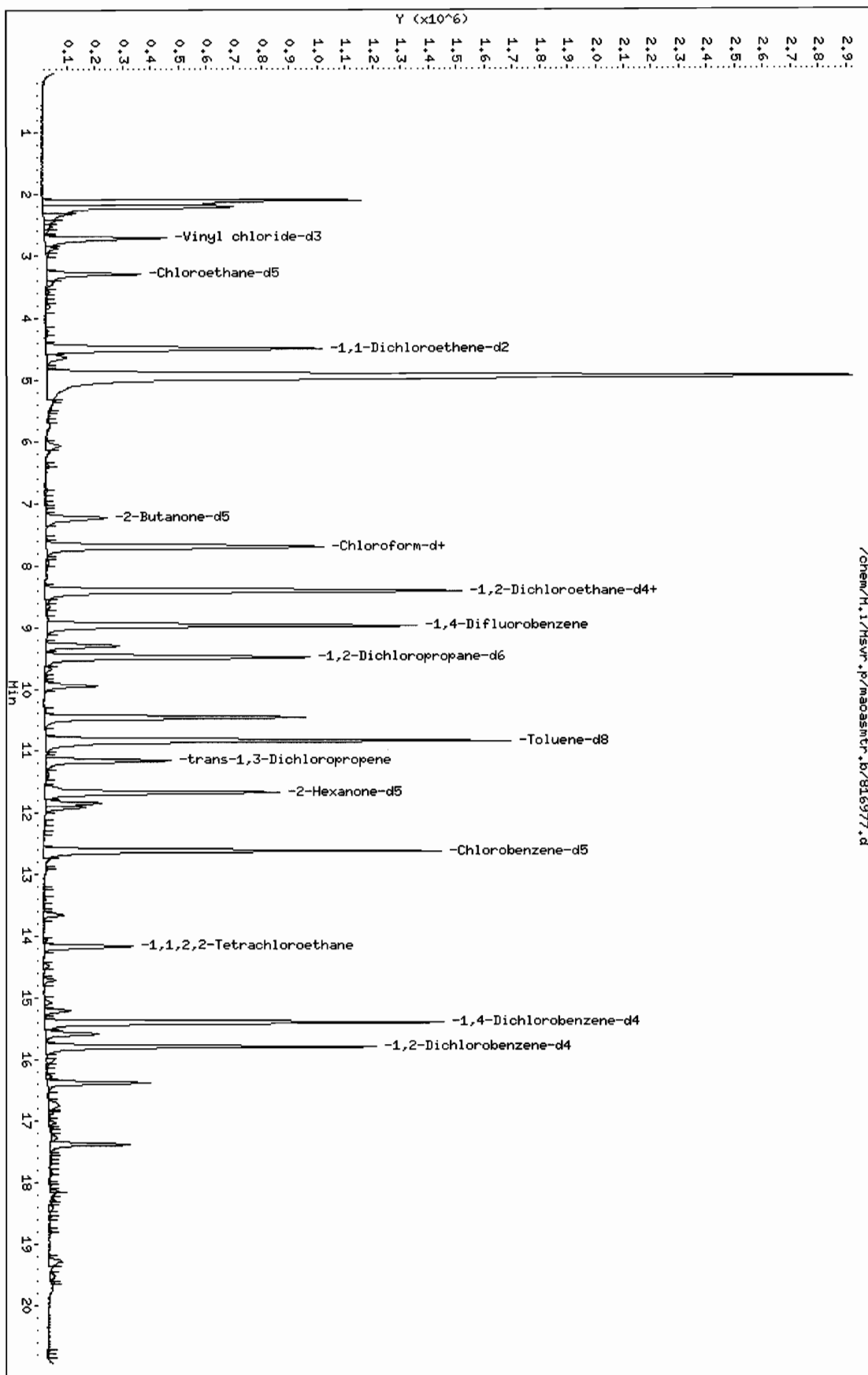
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/macasmtr.b/816977.d
Date: 19-JAN-2010 12:27
Client ID: SB03221-222
Sample Info: ISCO SB03 221-222 : (101/07/10 @1450(WATER))
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: MKV
Column diameter: 0.53

Page 6



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/816977.d
Lab Smp Id: 816977 Client Smp ID: SB03221-222
Inj Date : 19-JAN-2010 12:27
Operator : MRV Inst ID: M.i
Smp Info : ISCO SB03 221-222 :[]01/07/10 @1450(WATER)
Misc Info : 816977,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 27-Jan-2010 13:46 jdl Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 10
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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.717	2.720	(0.303)	891257	4.91438	4.9
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.291	3.294	(0.367)	745413	5.23780	5.2
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.487	4.480	(0.500)	1689642	4.28980	4.3
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43	4.645	4.629	(0.518)	228124	46.6221	47
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	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	7.229	(0.806)		649915	50.9034	51
20 cis-1,2-Dichloroethene	96			Compound Not Detected.					
21 2-Butanone	43		7.305	7.308	(0.815)		20937	1.72055	1.7 (a)
22 Bromochloromethane	128			Compound Not Detected.					
\$ 23 Chloroform-d	84		7.691	7.684	(0.858)		1354188	5.16665	5.2 (Q)
24 Chloroform	83		7.711	7.714	(0.860)		286142	1.15008	1.2
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	8.386	(0.936)		402783	4.83910	4.8 (Q)
\$ 29 Benzene-d6	84		8.403	8.396	(0.667)		2021842	5.12927	5.1
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)		1941356	5.00000	
33 Trichloroethene	95		9.293	9.296	(0.737)		183630	1.00147	1.0
\$ 34 1,2-Dichloropropane-d6	67		9.481	9.484	(0.752)		950844	4.75866	4.8
35 Methylcyclohexane	55			Compound Not Detected.					
36 1,2-Dichloropropane	63			Compound Not Detected.					
37 Bromodichloromethane	83		9.946	9.949	(0.789)		232492	1.26899	1.3
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)		2101237	5.13891	5.1
41 Toluene	91			Compound Not Detected.					
\$ 42 trans-1,3-Dichloropropene-d4	79		11.152	11.145	(0.885)		471371	4.79587	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	11.649	(0.925)		689882	51.9967	52
47 2-Hexanone	43			Compound Not Detected.					
48 Dibromochloromethane	129		11.913	11.907	(0.945)		120391	1.29001	1.3
49 1,2-Dibromoethane	107			Compound Not Detected.					
* 50 Chlorobenzene-d5	117		12.605	12.599	(1.000)		1421175	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	173		13.654	13.647	(0.888)		22568	0.46191	0.46 (a)
57 Isopropylbenzene	105			Compound Not Detected.					
\$ 58 1,1,2,2-Tetrachloroethane-d2	84		14.158	14.161	(1.123)		351005	5.01718	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		15.384	15.387	(1.000)		649248	5.00000	
62 1,4-Dichlorobenzene	146			Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
*****	****	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.780	15.783	(1.026)	504616	5.06514	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/816977.d
Lab Smp Id: 816977 Client Smp ID: SB03221-222
Inj Date : 19-JAN-2010 12:27
Operator : MRV Inst ID: M.i
Smp Info : ISCO SB03 221-222 : [] 01/07/10 @1450 (WATER)
Misc Info : 816977,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 27-Jan-2010 13:46 jdl Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 10
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	4978925	5.000
* 50 Chlorobenzene-d5	12.605	4788277	5.000
* 61 1,4-Dichlorobenzene-d4	15.384	4483154	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	=====
Isopropyl Alcohol							
4.932	16863024	16.9344014	17	86	NIST05.1	289	32

CAS #: 67-63-0

Data File: /chem/M.i/Msvr.p/maoasmtr.b/816977.d
Report Date: 27-Jan-2010 13:47

Page 5

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ug/L)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
====	====	=====	=====	====	=====	=====	=====
Unknown					CAS #:		
10.450	3350629	3.36481177	3.4	0		0	32
Hexanal					CAS #: 66-25-1		
11.834	706476	0.73771430	0.74	95	NIST05.1	3688	50
Unknown					CAS #:		
15.582	667271	0.74419838	0.74	0		0	61
Unknown					CAS #:		
16.373	1125727	1.25550770	1.3	0		0	61
Decanal					CAS #: 112-31-2		
17.381	919977	1.02603753	1.0	91	NIST05.1	27023	61

Data File: /chem/M.i/Msvr.p/maoasmtr.b/816977.d

Page 7

Date : 19-JAN-2010 12:27

Client ID: SB03221-222

Instrument: M.i

Sample Info: ISCO SB03 221-222 :[101/07/10 @1450(WATER)

Purge Volume: 25.0

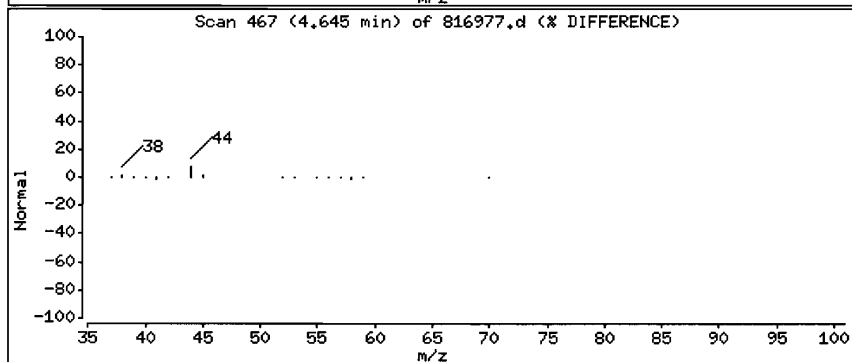
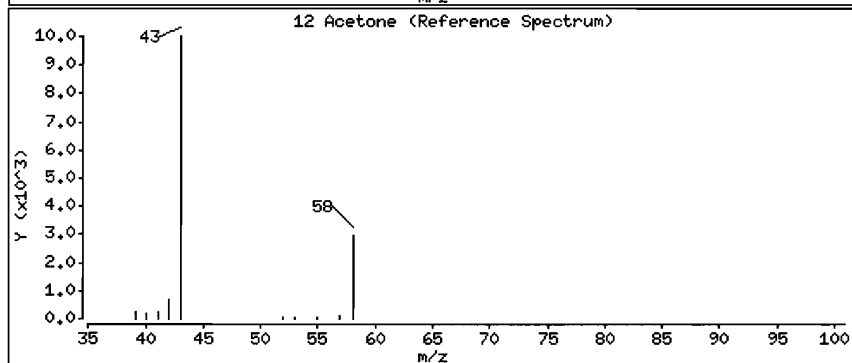
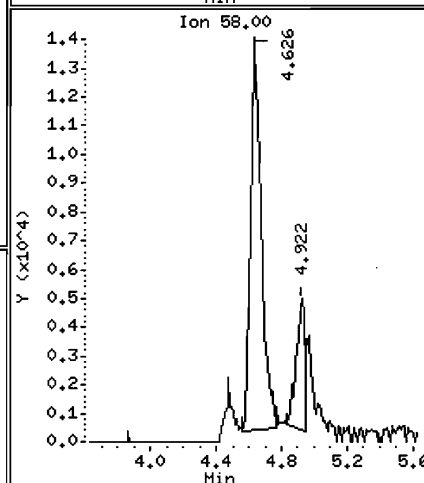
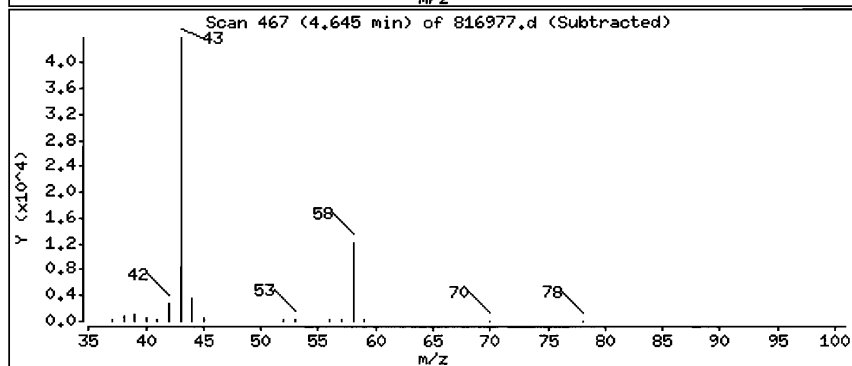
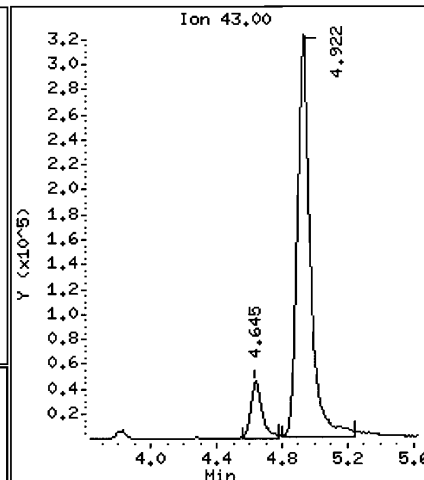
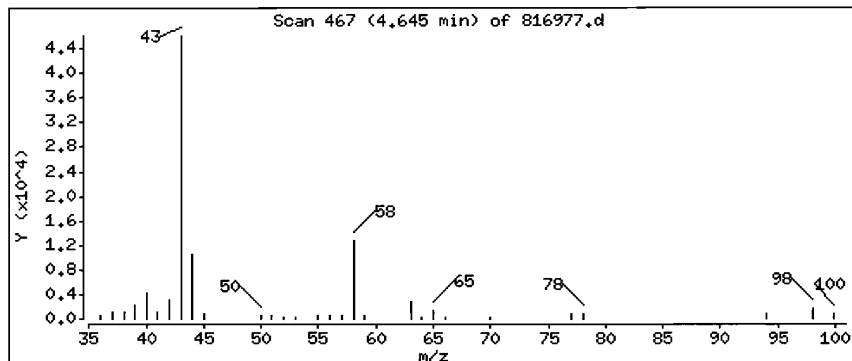
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 47 ug/L



Data File: /chem/M.i/Msvr.p/maoasmr.b/816977.d

Page 8

Date : 19-JAN-2010 12:27

Client ID: SB03221-222

Instrument: M.i

Sample Info: ISCO SB03 221-222 ;I 101/07/10 @1450(WATER)

Purge Volume: 25.0

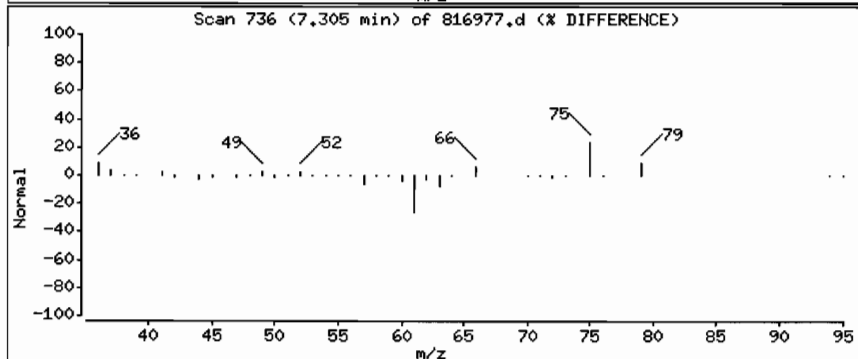
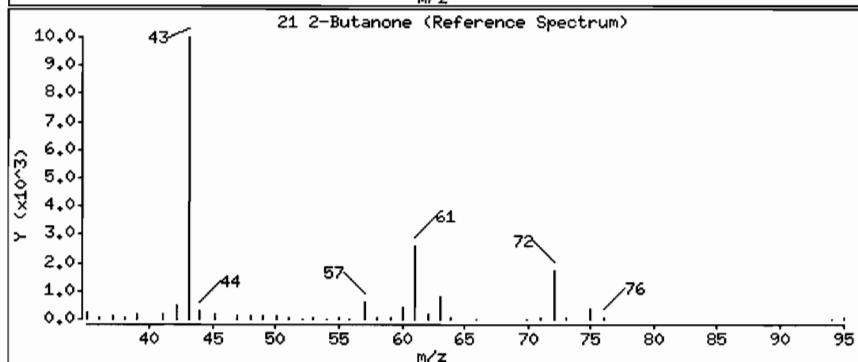
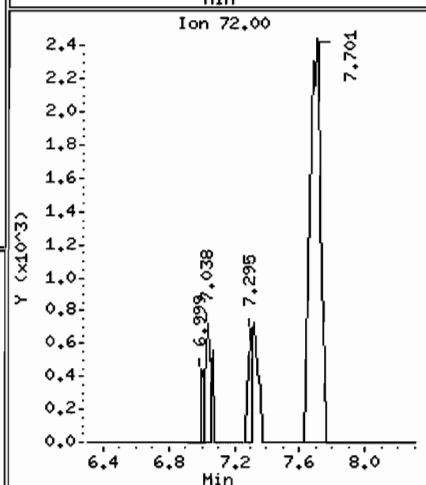
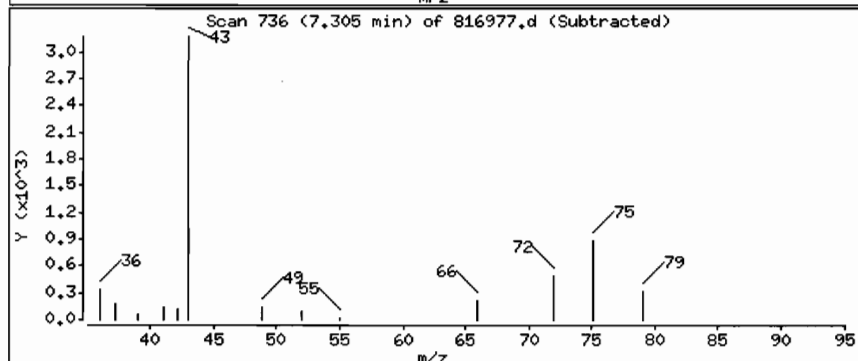
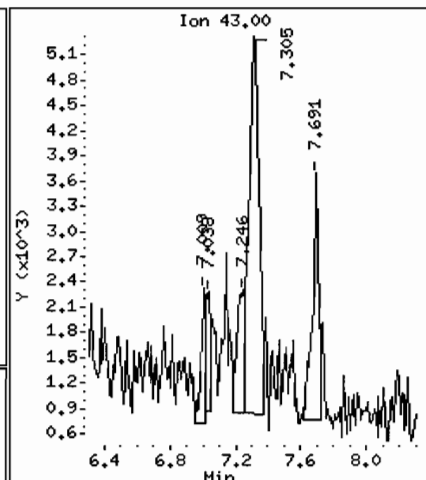
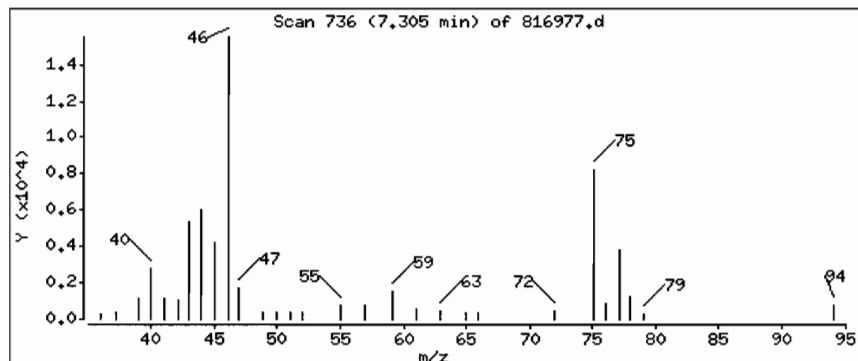
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 1.7 ug/L



Data File: /chem/M.i/Msvr.p/maoasmr.b/816977.d

Page 9

Date : 19-JAN-2010 12:27

Client ID: SB03221-222

Instrument: M.i

Sample Info: ISCO SB03 221-222 ;[101/07/10 @1450(WATER)

Purge Volume: 25.0

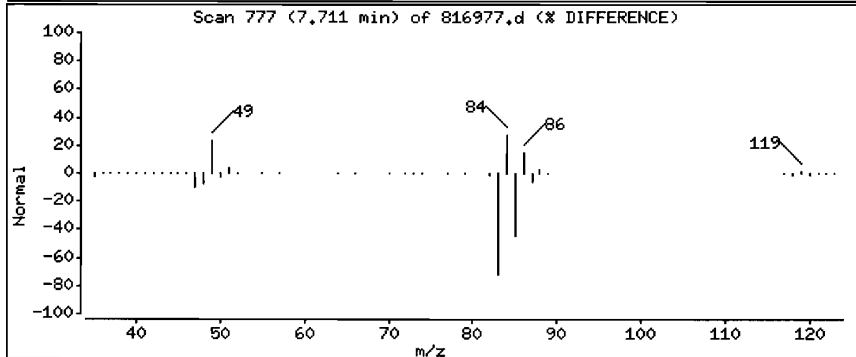
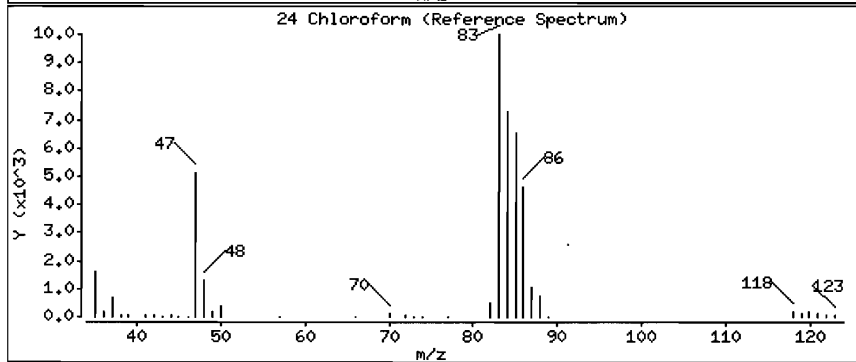
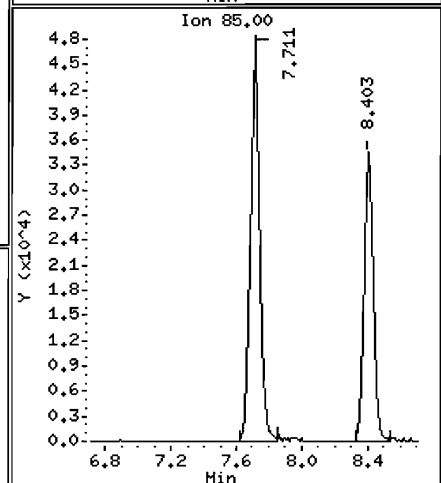
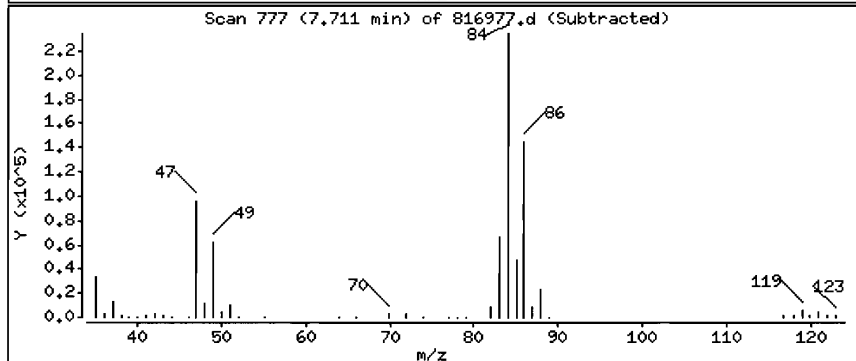
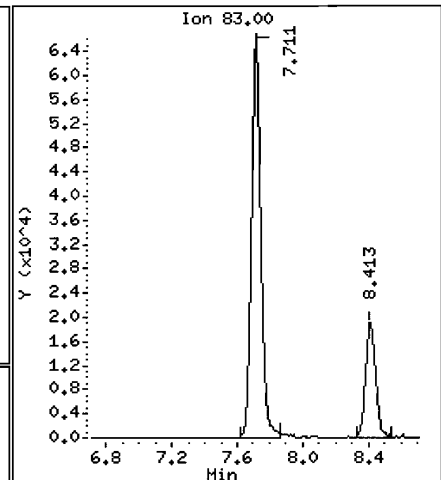
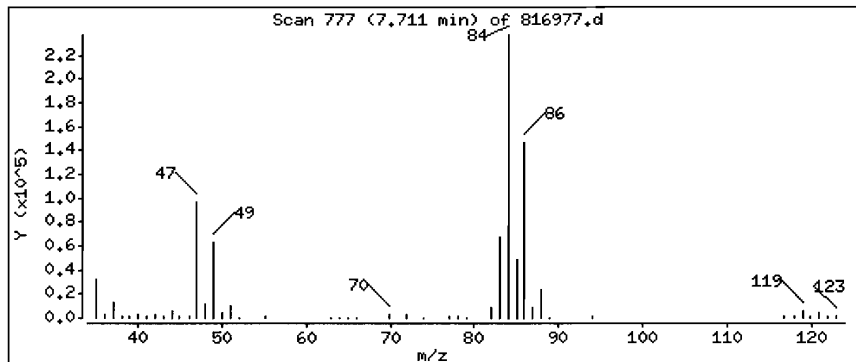
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

24 Chloroform

Concentration: 1.2 ug/L



Data File: /chem/H.i/Msvr.p/maoasmr.b/816977.d

Page 10

Date : 19-JAN-2010 12:27

Client ID: SB03221-222

Instrument: M.i

Sample Info: ISCO SB03 221-222 ;I 101/07/10 @1450(WATER)

Purge Volume: 25.0

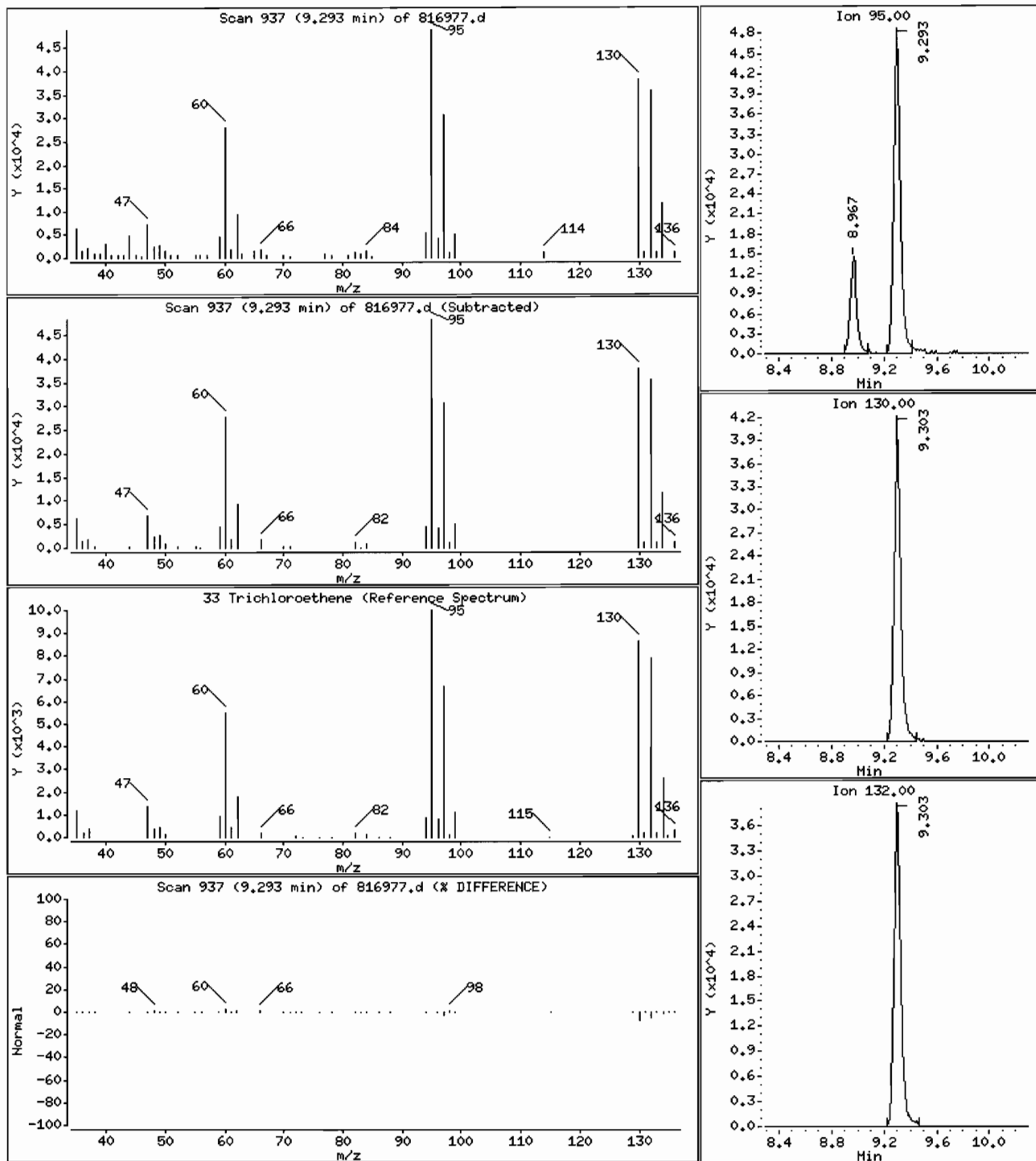
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 1.0 ug/L



Data File: /chem/M.i/Msvr.p/maoasmr.b/816977.d

Page 11

Date : 19-JAN-2010 12:27

Client ID: SB03221-222

Instrument: M.i

Sample Info: ISCO SB03 221-222 :[101/07/10 @1450(WATER)

Purge Volume: 25.0

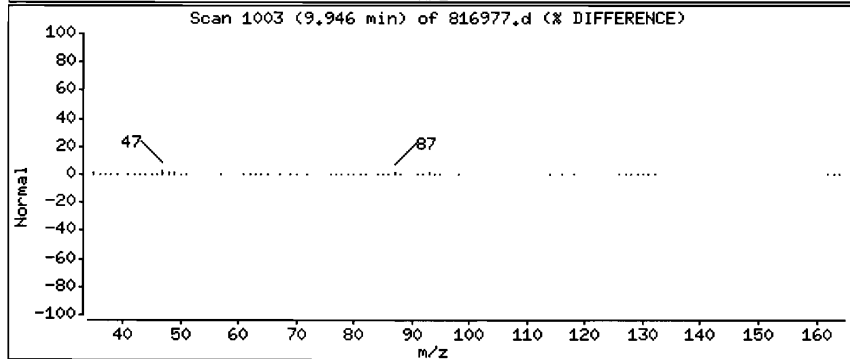
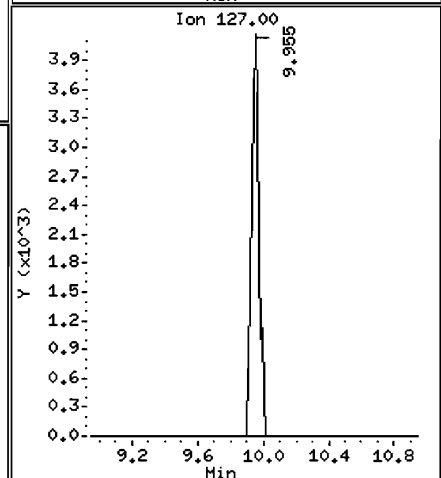
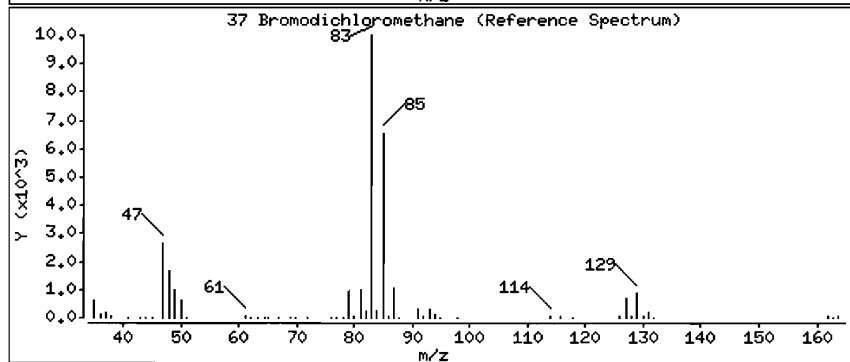
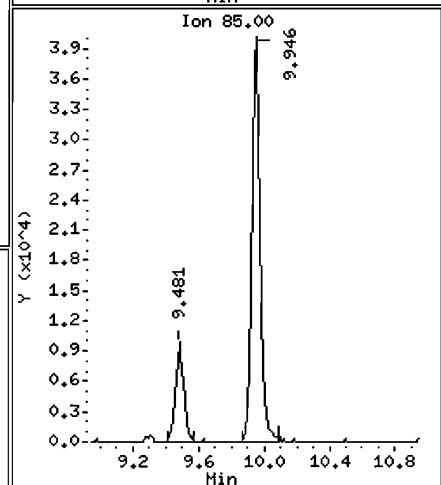
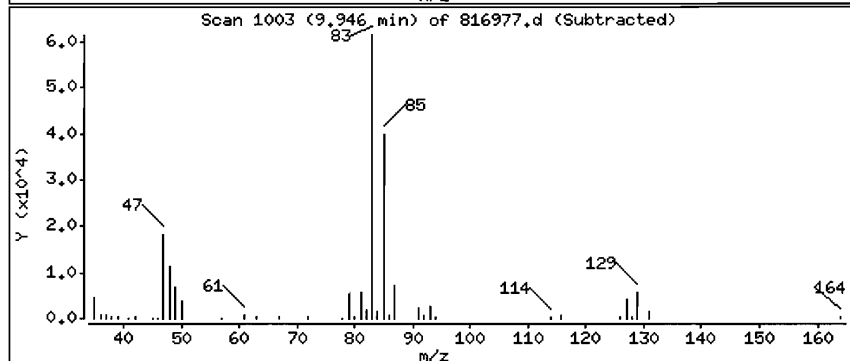
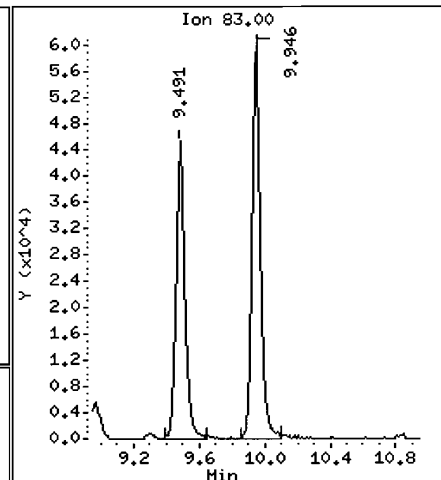
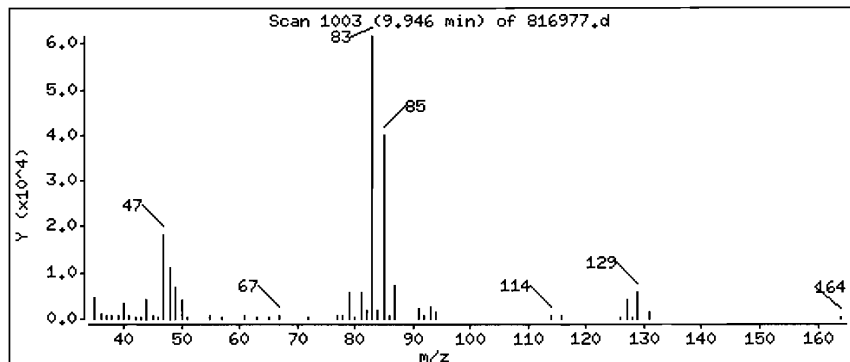
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

37 Bromodichloromethane

Concentration: 1.3 ug/L



Data File: /chem/H.i/Msvr.p/maoasmr.b/816977.d

Page 12

Date : 19-JAN-2010 12:27

Client ID: SB03221-222

Instrument: H.i

Sample Info: ISCO SB03 221-222 ;[101/07/10 @1450(WATER)

Purge Volume: 25.0

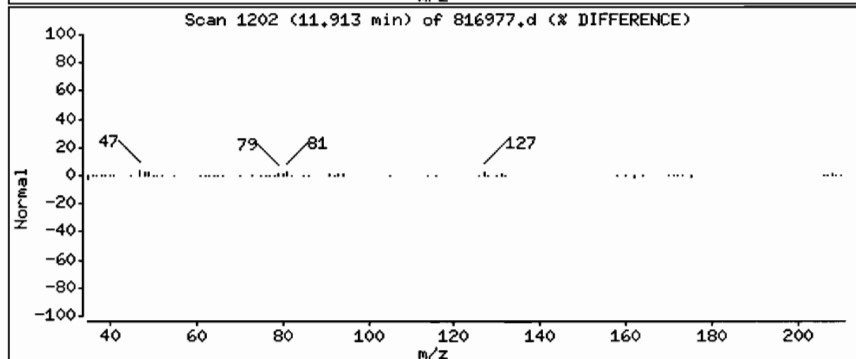
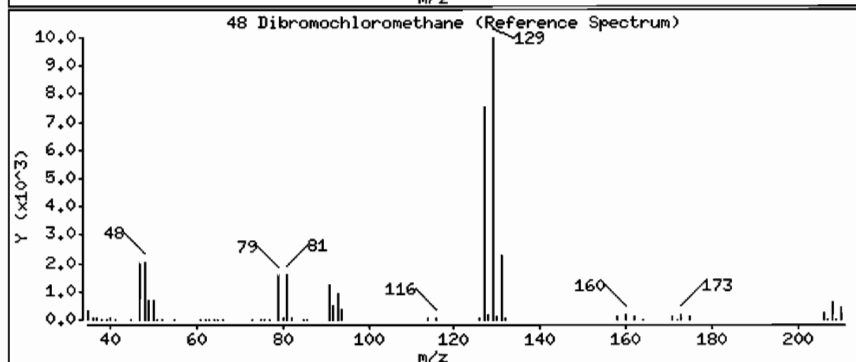
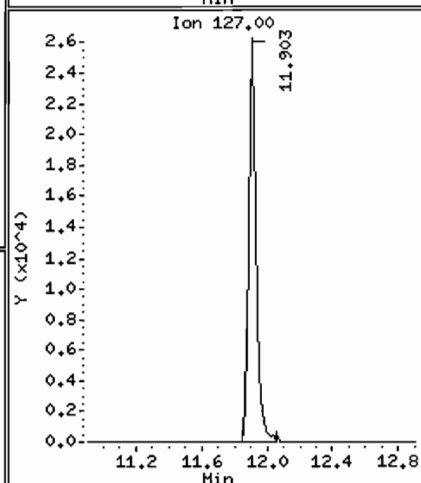
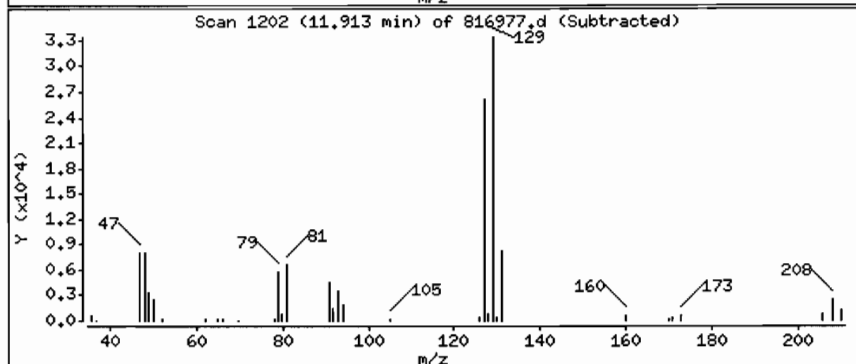
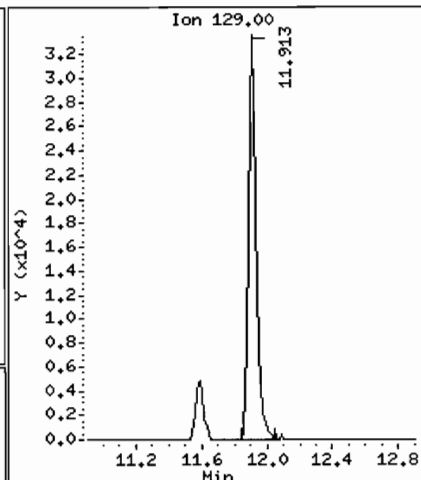
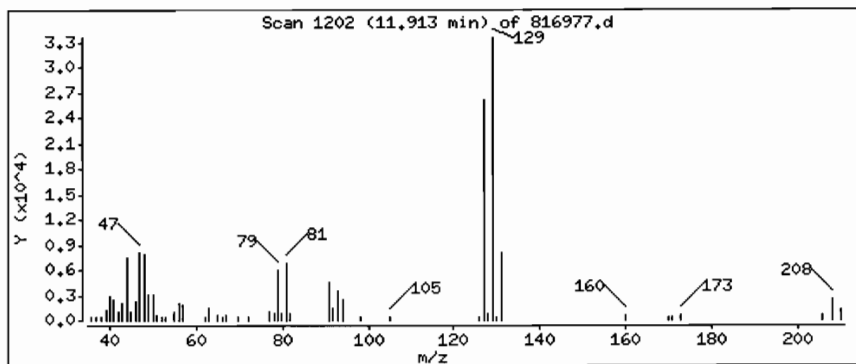
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

48 Dibromochloromethane

Concentration: 1.3 ug/L



Data File: /chem/M.i/Msyr.p/maoasmtr.b/816977.d

Page 13

Date : 19-JAN-2010 12:27

Client ID: SB03221-222

Instrument: M.i

Sample Info: ISCO SB03 221-222 :I 101/07/10 @1450(WATER)

Purge Volume: 25.0

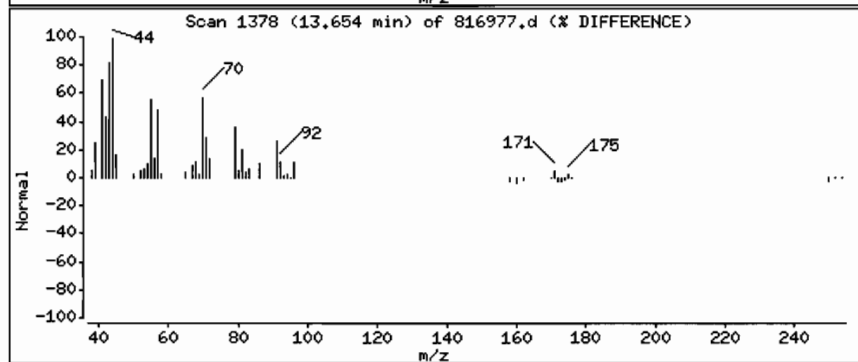
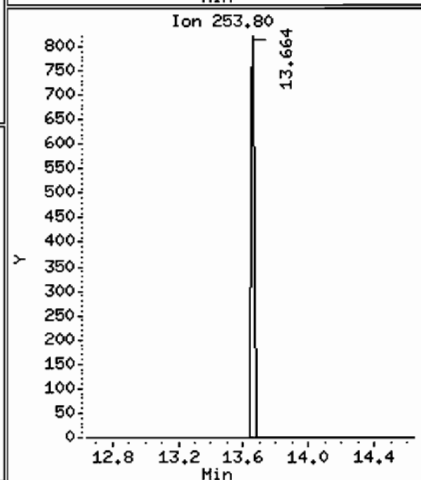
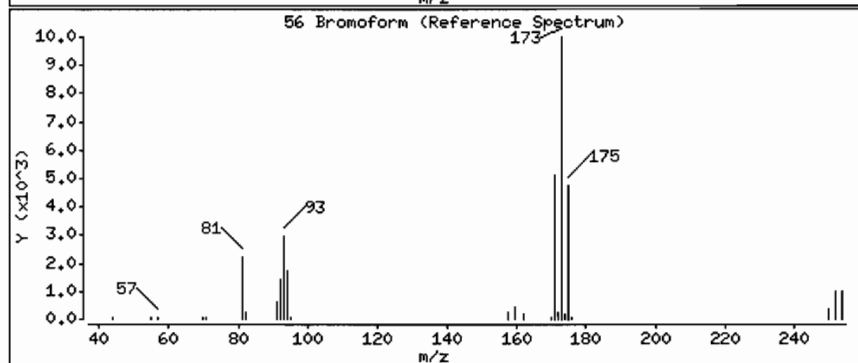
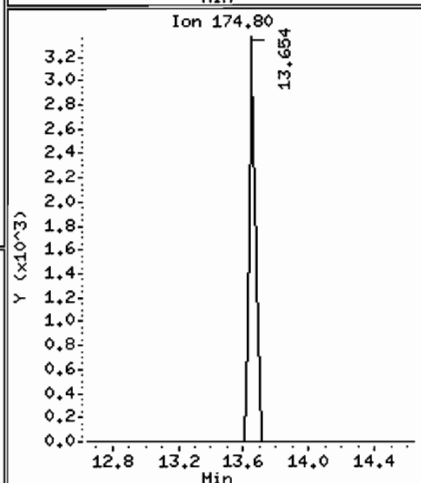
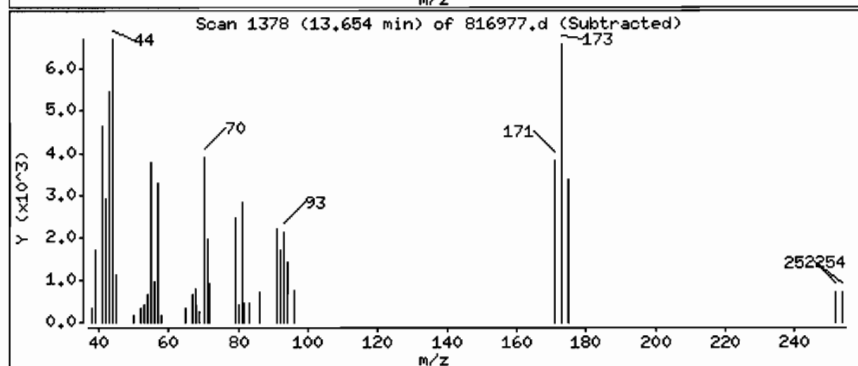
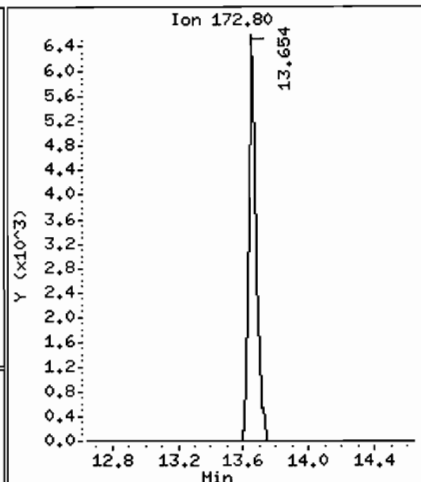
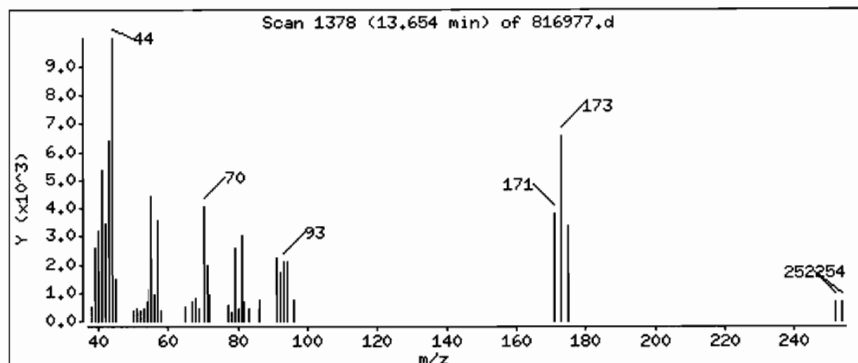
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

56 Bromoform

Concentration: 0.46 ug/L



Date : 19-JAN-2010 12:27

Client ID: SB03221-222

Instrument: M.i

Sample Info: ISCO SB03 221-222 ;[101/07/10 @1450(WATER)

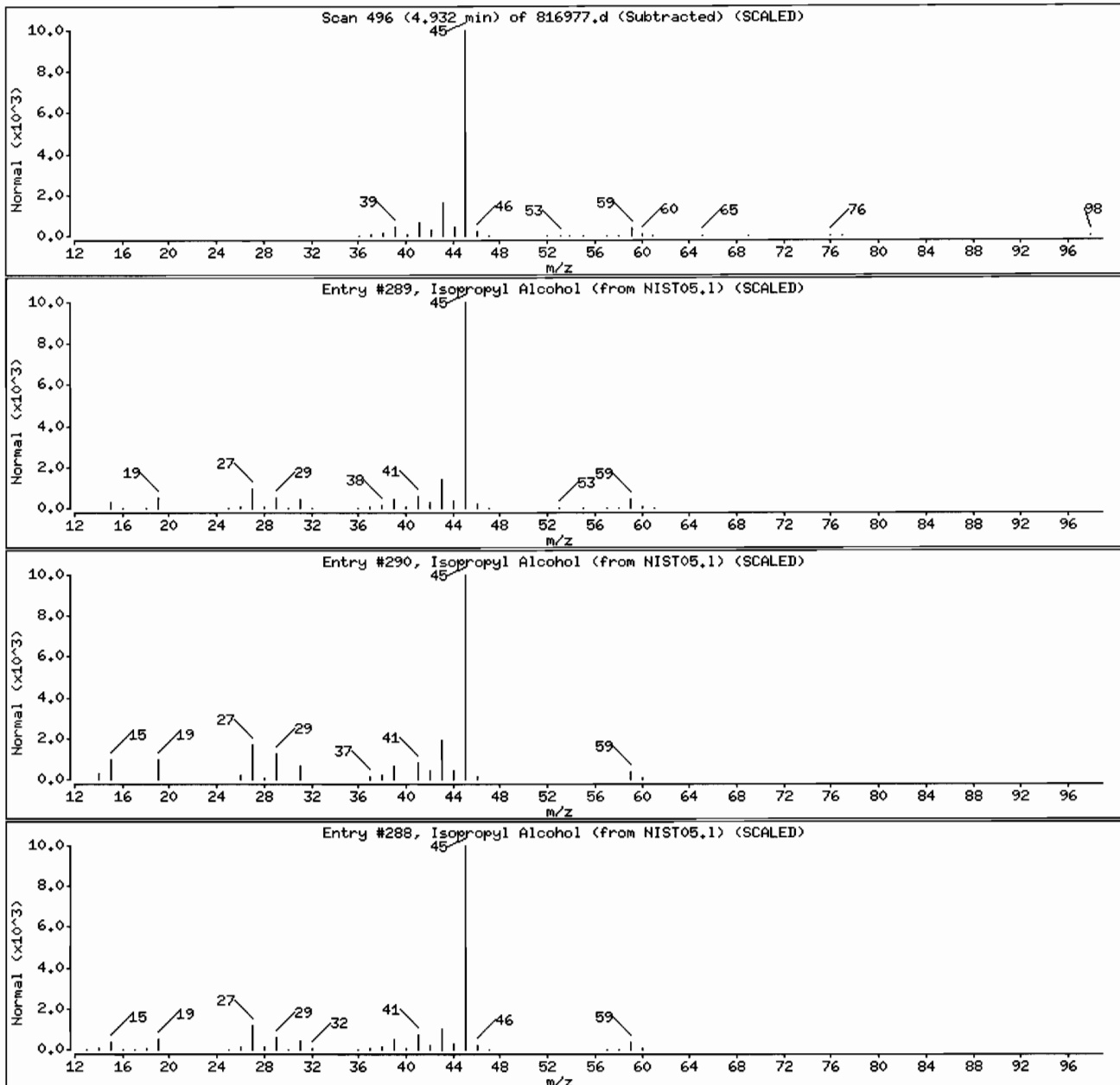
Purge Volume: 25.0

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	78	C3H8O	60



Date : 19-JAN-2010 12:27

Client ID: SB03221-222

Instrument: M.i

Sample Info: ISCO SB03 221-222 :[101/07/10 @1450(WATER)

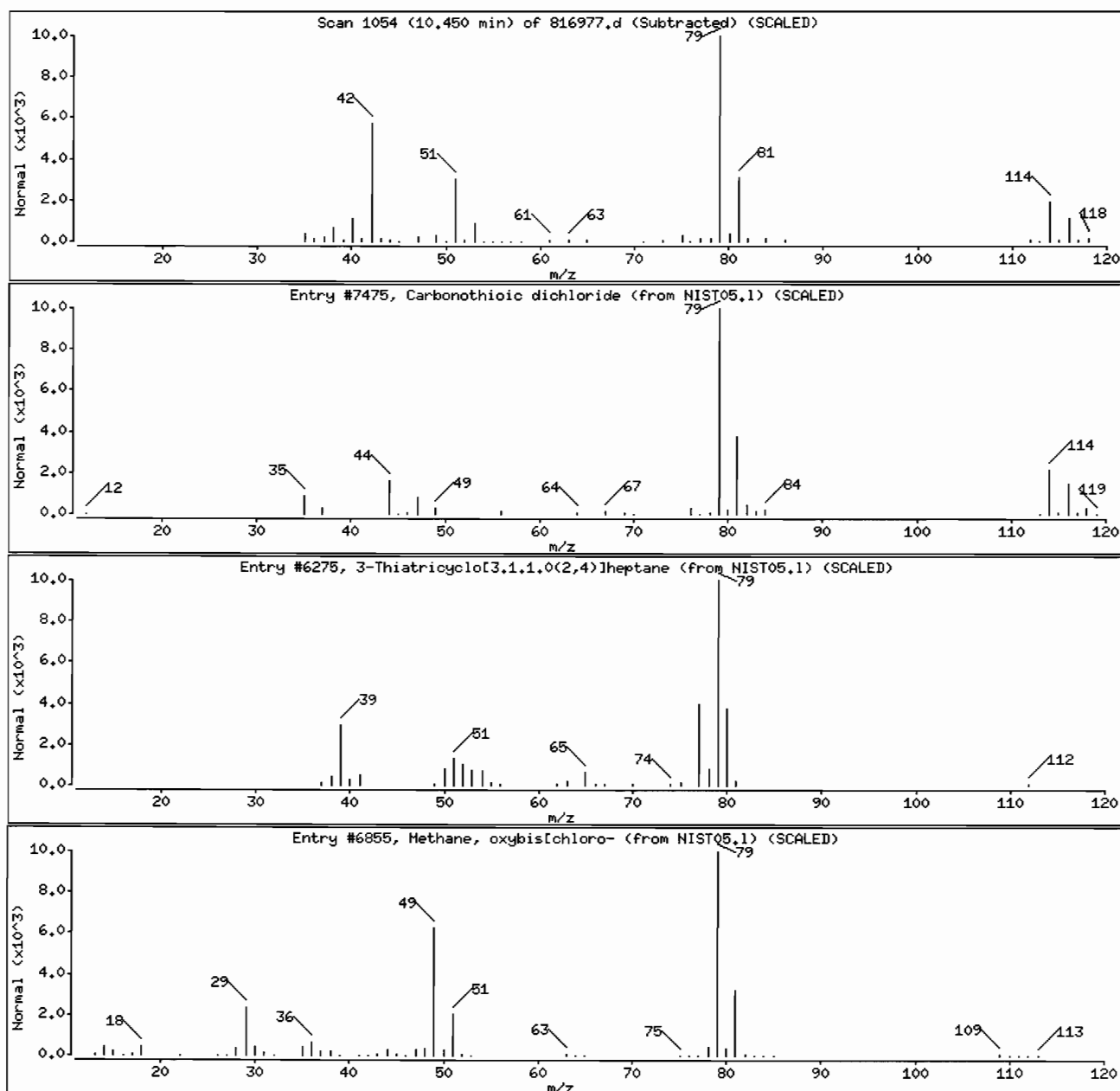
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	43	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	37	C ₆ H ₈ S	112
Methane, oxybis(chloro-	542-88-1	NIST05.1	6855	25	C ₂ H ₄ Cl ₂ O	114



Date : 19-JAN-2010 12:27

Client ID: SB03221-222

Instrument: M.i

Sample Info: ISCO SB03 221-222 :[101/07/10 @1450(WATER)

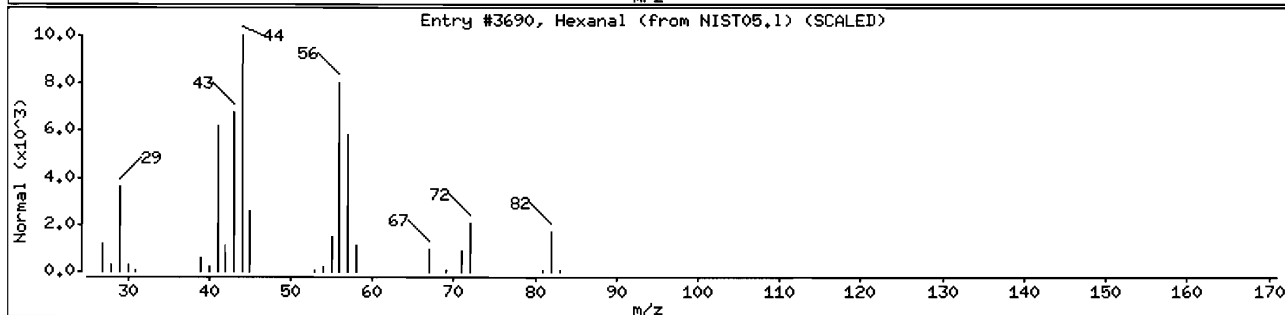
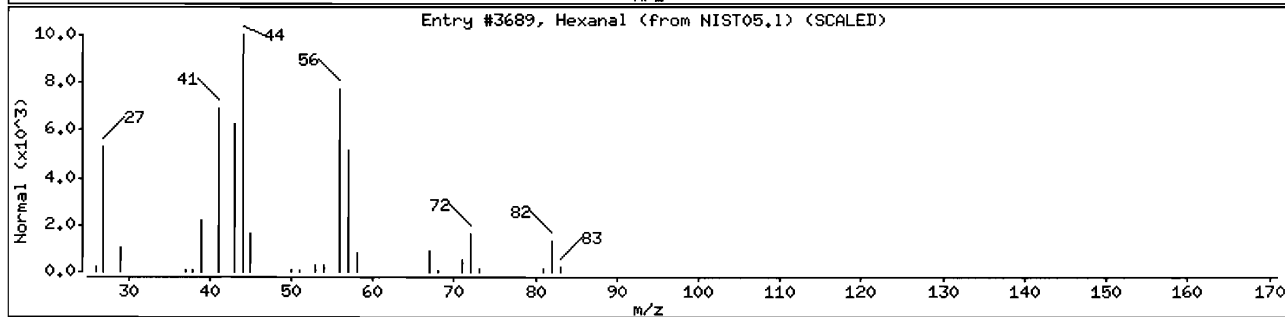
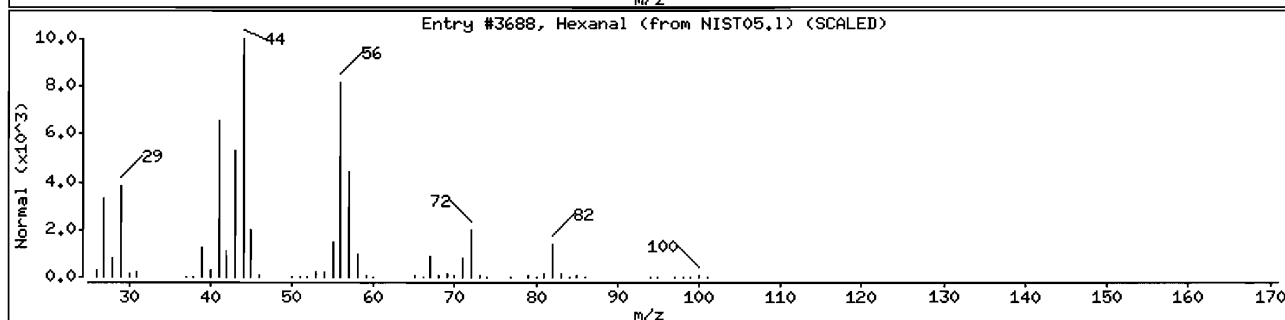
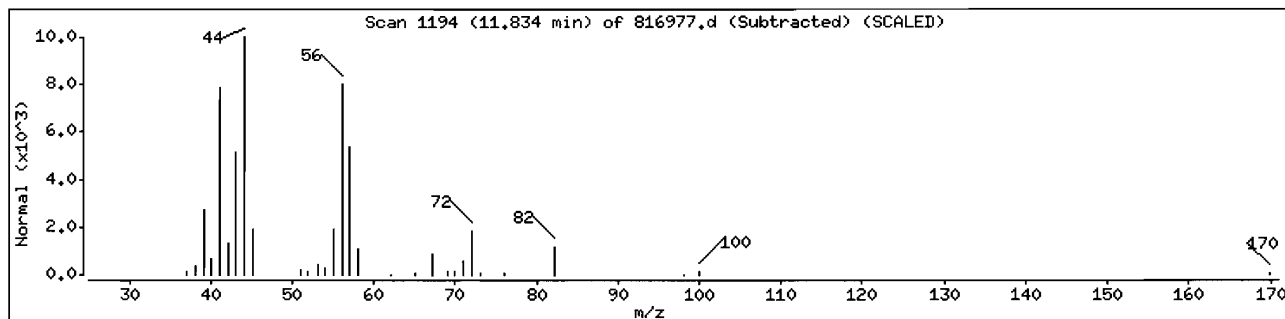
Purge Volume: 25.0

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	NIST05.1	3688	95	C ₆ H ₁₂ O	100
Hexanal	66-25-1	NIST05.1	3689	90	C ₆ H ₁₂ O	100
Hexanal	66-25-1	NIST05.1	3690	83	C ₆ H ₁₂ O	100



Date : 19-JAN-2010 12:27

Client ID: SB03221-222

Instrument: H.i

Sample Info: ISCO SB03 221-222 :[101/07/10 @1450(WATER)

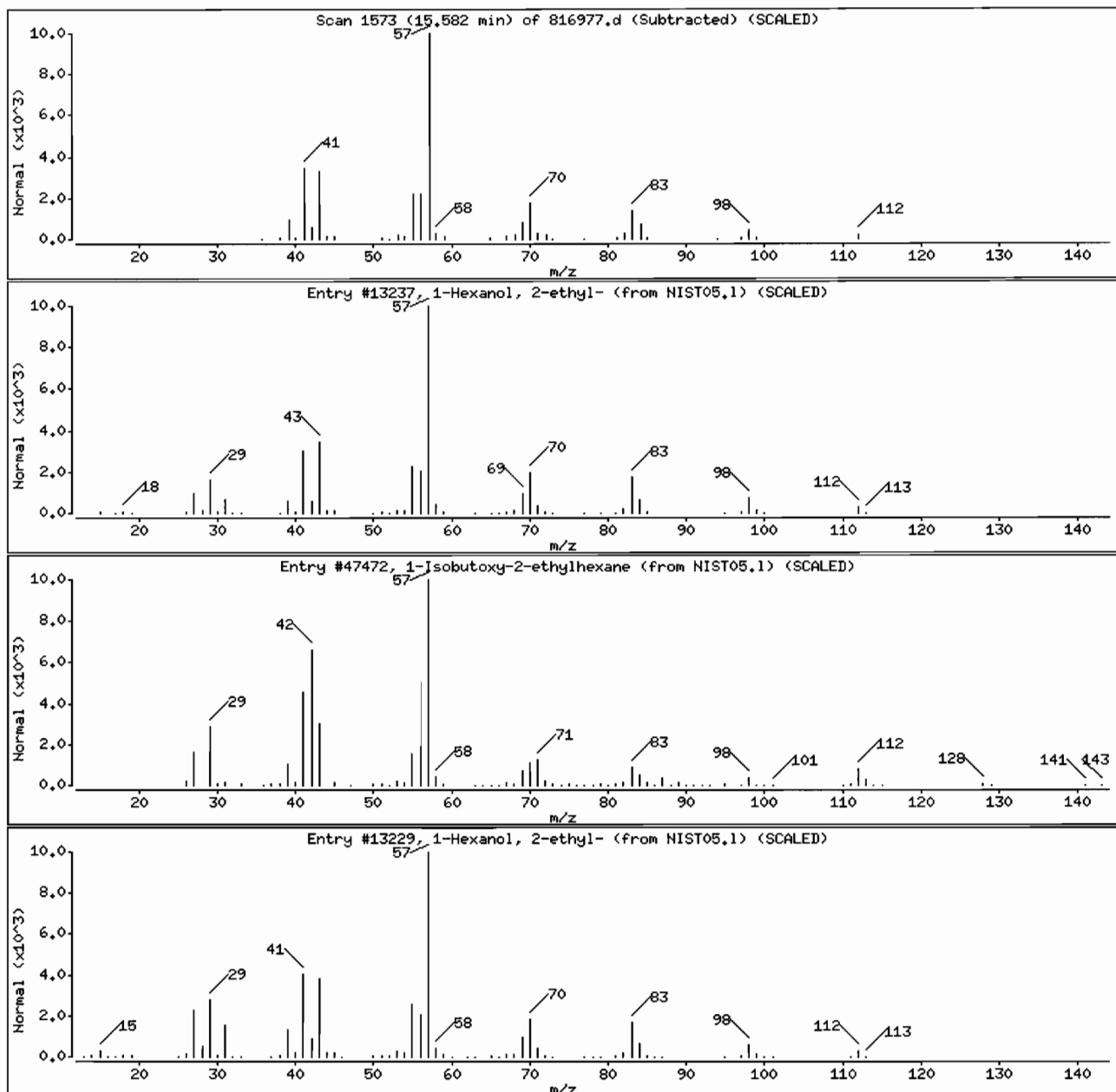
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Hexanol, 2-ethyl-	104-76-7	NIST05.1	13237	59	C8H18O	130
1-Isobutoxy-2-ethylhexane	1000139-90-3	NIST05.1	47472	56	C12H26O	186
1-Hexanol, 2-ethyl-	104-76-7	NIST05.1	13229	53	C8H18O	130



Date : 19-JAN-2010 12:27

Client ID: SB03221-222

Instrument: M.i

Sample Info: ISCO SB03 221-222 ;[101/07/10 @1450(WATER)

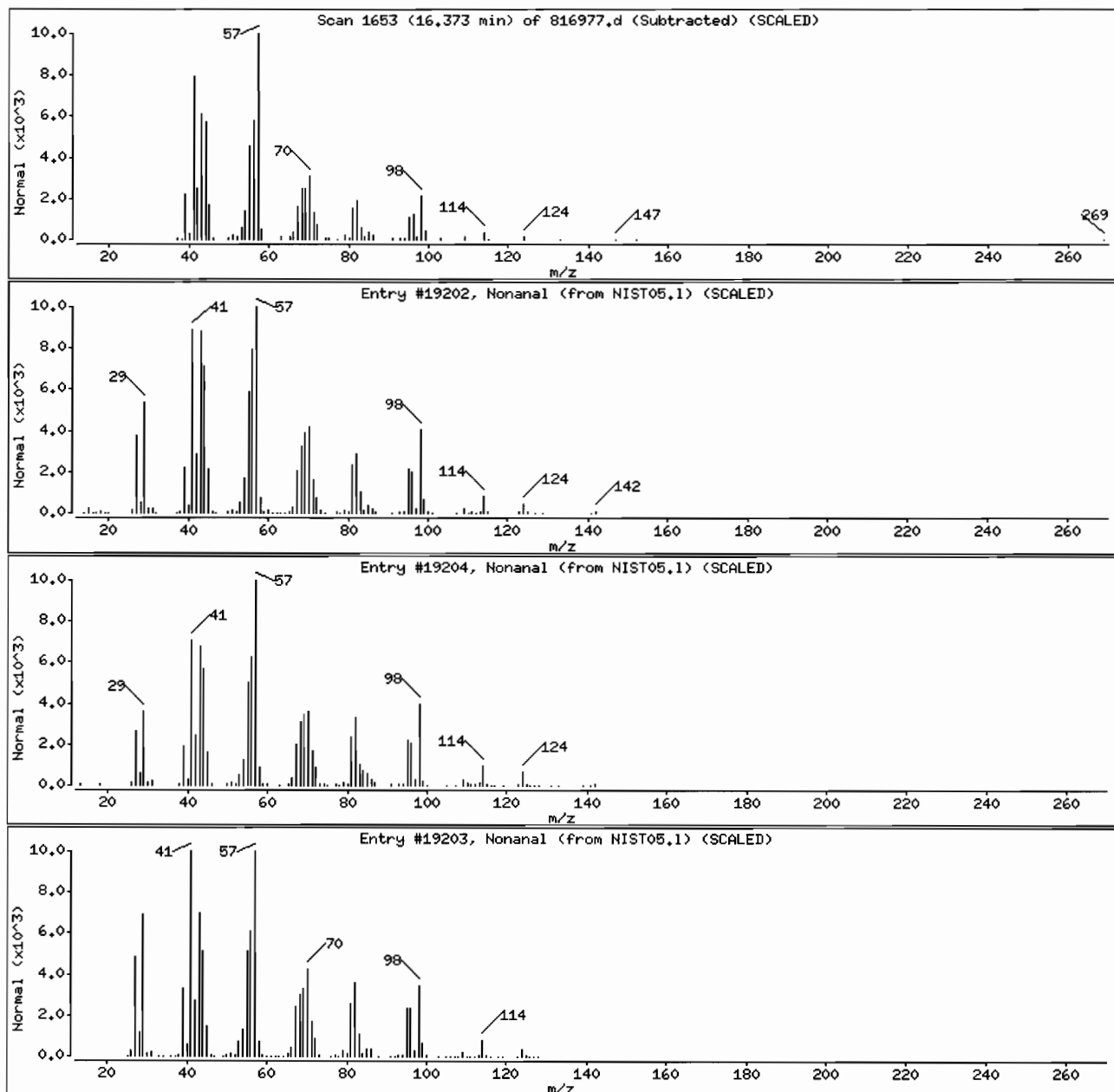
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Nonanal	124-19-6	NIST05.1	19202	64	C9H18O	142
Nonanal	124-19-6	NIST05.1	19204	50	C9H18O	142
Nonanal	124-19-6	NIST05.1	19203	50	C9H18O	142



Date : 19-JAN-2010 12:27

Client ID: SB03221-222

Instrument: M.i

Sample Info: ISCO SB03 221-222 :[101/07/10 @1450(WATER)

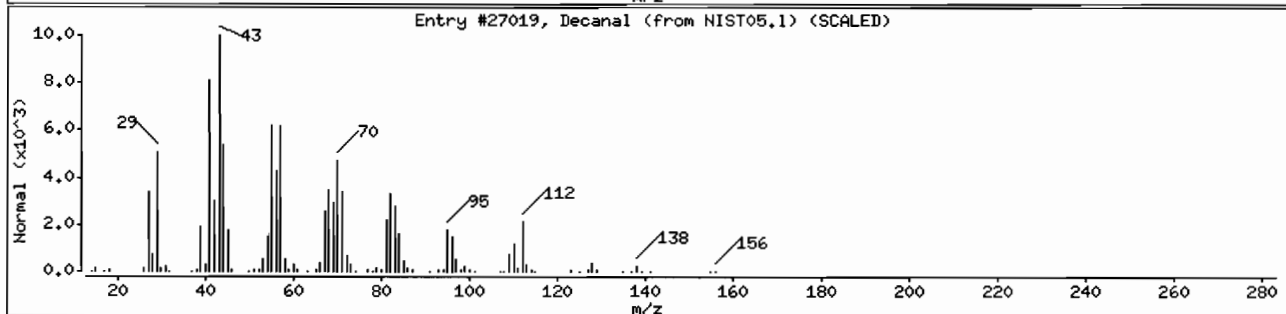
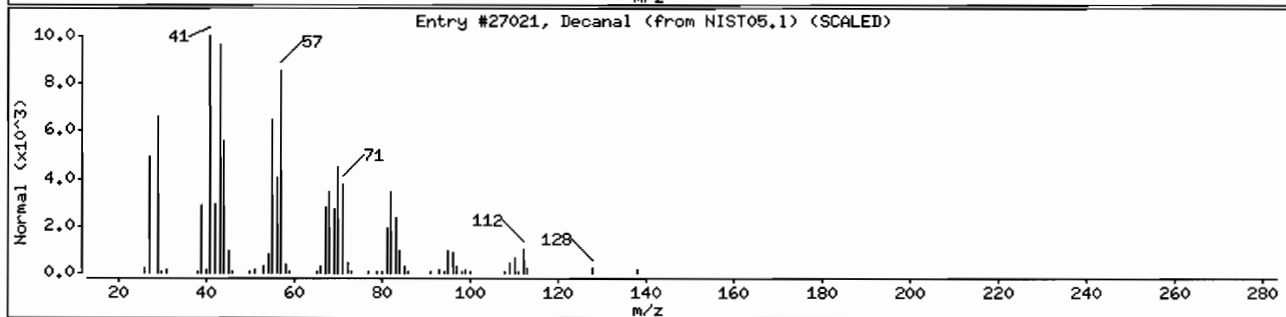
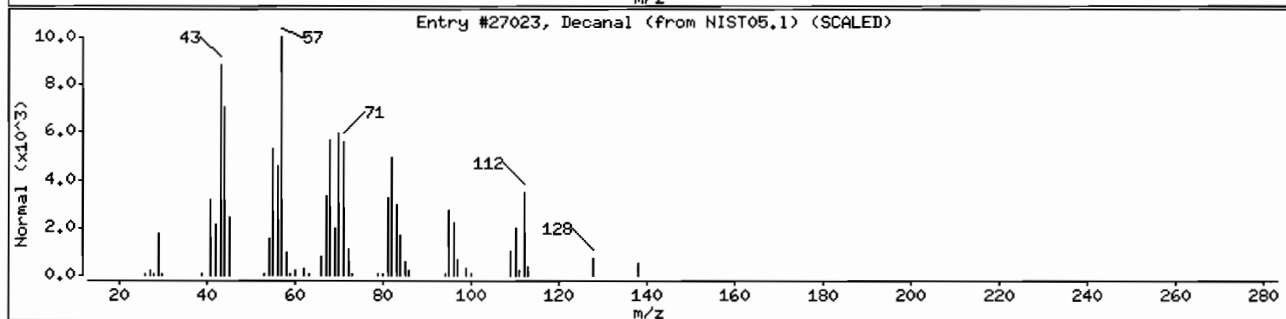
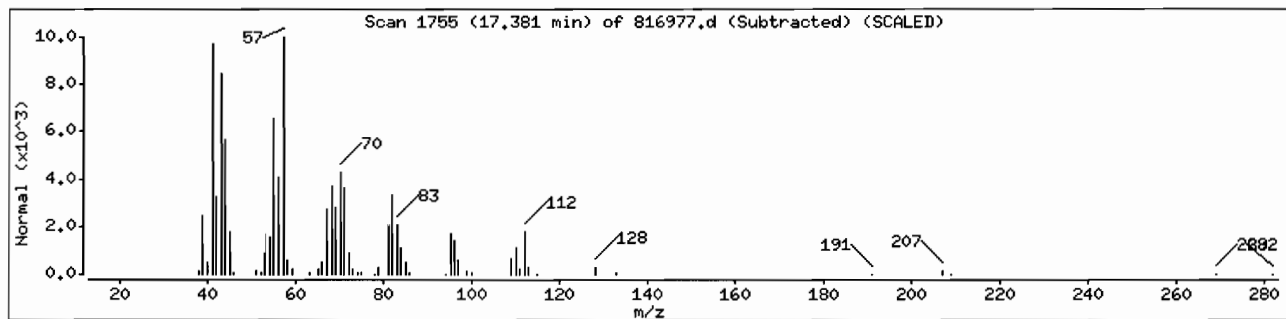
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decanal	112-31-2	NIST05.1	27023	91	C10H20O	156
Decanal	112-31-2	NIST05.1	27021	91	C10H20O	156
Decanal	112-31-2	NIST05.1	27019	86	C10H20O	156



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

EPA SAMPLE NO.

SB03231-232

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816978

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816978

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% 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	92	
75-15-0	Carbon disulfide	0.35	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	2.4	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.69	
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.

SB03231-232

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816978

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816978

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% 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	0.57	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.79	
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	0.87	
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	0.33	J
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.

SB03231-232

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816978

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816978

Level: (TRACE or LOW/MED) TRACE

Date Received: 01/08/2010

% 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	18	NJ
02		Unknown	10.45	3.5	JXB
03	66-25-1	Hexanal	11.84	0.98	NJ
04		Unknown alcohol	15.58	0.95	J
05	124-19-6	Nonanal	16.38	1.5	NJ
06	112-31-2	Decanal	17.37	1.3	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		

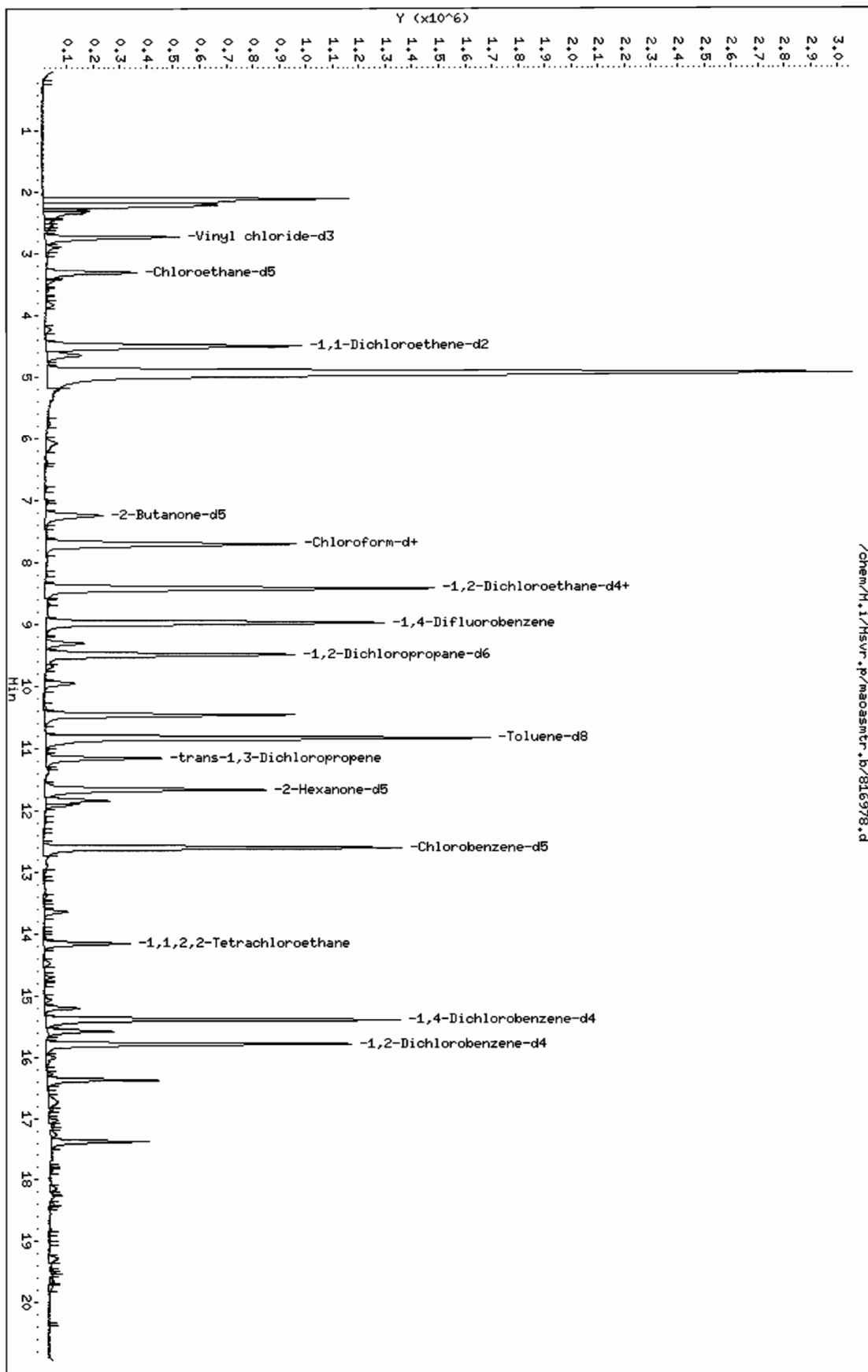
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/macosmtr.b/816378.d
Date: 19-JAN-2010 12:59
Client ID: SB03231-232
Sample Info: ISCO SB03 231-232 : 1 101/07/10 04600(MATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: MKV
Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/816978.d
Lab Smp Id: 816978 Client Smp ID: SB03231-232
Inj Date : 19-JAN-2010 12:59
Operator : MRV Inst ID: M.i
Smp Info : ISCO SB03 231-232 :[]01/07/10 @1600(WATER)
Misc Info : 816978,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 27-Jan-2010 13:46 jdl Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 11
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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.722	2.720	(0.303)	873225	5.14894	5.1
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.296	3.294	(0.367)	727663	5.46775	5.5
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.492	4.480	(0.501)	1652511	4.48655	4.5
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43	4.641	4.629	(0.517)	420312	91.8582	92
13 Carbon disulfide	76	4.858	4.856	(0.541)	142172	0.35474	0.35 (a)
14 Methyl acetate	43						

						CONCENTRATIONS		
		QUANT SIG				ON-COLUMN	FINAL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(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)	655822	54.9291	55	
20 cis-1,2-Dichloroethene	96	Compound Not Detected.						
21 2-Butanone	43	7.310	7.308	(0.815)	27160	2.38675	2.4 (a)	
22 Bromochloromethane	128	Compound Not Detected.						
\$ 23 Chloroform-d	84	7.696	7.684	(0.858)	1336481	5.45279	5.5 (Q)	
24 Chloroform	83	7.716	7.714	(0.860)	159795	0.68681	0.69	
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	8.408	8.386	(0.937)	400710	5.14814	5.1 (Q)	
\$ 29 Benzene-d6	84	8.418	8.396	(0.668)	2002540	5.26905	5.3	
30 Benzene	78	Compound Not Detected.						
31 1,2-Dichloroethane	62	Compound Not Detected.						
* 32 1,4-Difluorobenzene	114	8.972	8.960	(1.000)	1815429	5.00000		
33 Trichloroethene	95	9.308	9.296	(0.739)	100218	0.56687	0.57	
\$ 34 1,2-Dichloropropane-d6	67	9.486	9.484	(0.753)	926212	4.80760	4.8	
35 Methylcyclohexane	55	Compound Not Detected.						
36 1,2-Dichloropropane	63	Compound Not Detected.						
37 Bromodichloromethane	83	9.951	9.949	(0.790)	138862	0.78610	0.79	
38 cis-1,3-Dichloropropene	75	Compound Not Detected.						
39 4-Methyl-2-pentanone	43	Compound Not Detected.						
\$ 40 Toluene-d8	98	10.831	10.829	(0.860)	2075970	5.26574	5.3	
41 Toluene	91	Compound Not Detected.						
\$ 42 trans-1,3-Dichloropropene-d4	79	11.147	11.145	(0.885)	457578	4.82850	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	11.661	11.649	(0.925)	680177	53.1698	53	
47 2-Hexanone	43	Compound Not Detected.						
48 Dibromochloromethane	129	11.908	11.907	(0.945)	78377	0.87103	0.87	
49 1,2-Dibromoethane	107	Compound Not Detected.						
* 50 Chlorobenzene-d5	117	12.601	12.599	(1.000)	1370267	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	173	13.659	13.647	(0.888)	15413	0.32778	0.33 (a)	
57 Isopropylbenzene	105	Compound Not Detected.						
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.163	14.161	(1.124)	360880	5.34997	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	15.389	15.387	(1.000)	624861	5.00000		
62 1,4-Dichlorobenzene	146	Compound Not Detected.						

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====		=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.785	15.783	(1.026)	507253		5.29032	5.3 (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/816978.d
Lab Smp Id: 816978 Client Smp ID: SB03231-232
Inj Date : 19-JAN-2010 12:59
Operator : MRV Inst ID: M.i
Smp Info : ISCO SB03 231-232 :[]01/07/10 @1600(WATER)
Misc Info : 816978,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 27-Jan-2010 13:46 jdl Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 11
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	8.972	4759854	5.000
* 50 Chlorobenzene-d5	12.601	4566083	5.000
* 61 1,4-Dichlorobenzene-d4	15.389	4269724	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Isopropyl Alcohol							
4.927	17461524	18.3424995	18	86	NIST05.1	289	32

CAS #: 67-63-0

Data File: /chem/M.i/Msvr.p/maoasmtr.b/816978.d
Report Date: 27-Jan-2010 13:47

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RT	CONCENTRATIONS			QUAL	QUANT		CPND #
	AREA	ON-COL(ug/L)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
====	====	=====	=====	====	=====	=====	=====
Unknown					CAS #:		
10.455	3326883	3.49473198	3.5	0		0	32
Hexanal					CAS #: 66-25-1		
11.839	894644	0.97966224	0.98	94	NIST05.1	3688	50
Unknown alcohol					CAS #:		
15.577	812050	0.95093992	0.95	0		0	61
Nonanal					CAS #: 124-19-6		
16.378	1269707	1.48687264	1.5	90	NIST05.1	19202	61
Decanal					CAS #: 112-31-2		
17.367	1151649	1.34862243	1.3	91	NIST05.1	27019	61

Data File: /chem/H.i/Msvr.p/maoasmtr.b/816978.d

Page 7

Date : 19-JAN-2010 12:59

Client ID: SB03231-232

Instrument: M.i

Sample Info: ISCO SB03 231-232 :I 101/07/10 @1600(WATER)

Purge Volume: 25.0

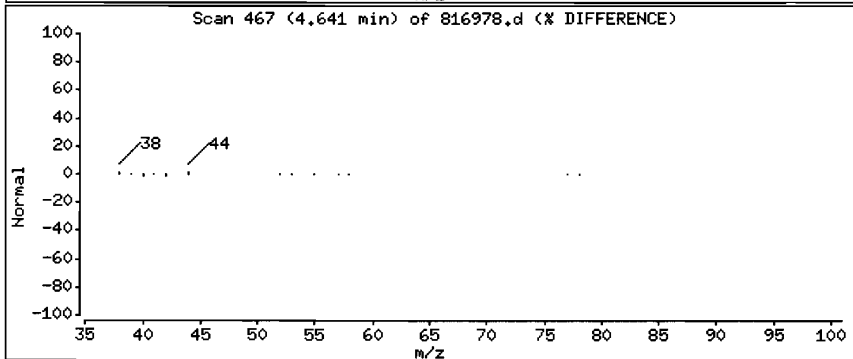
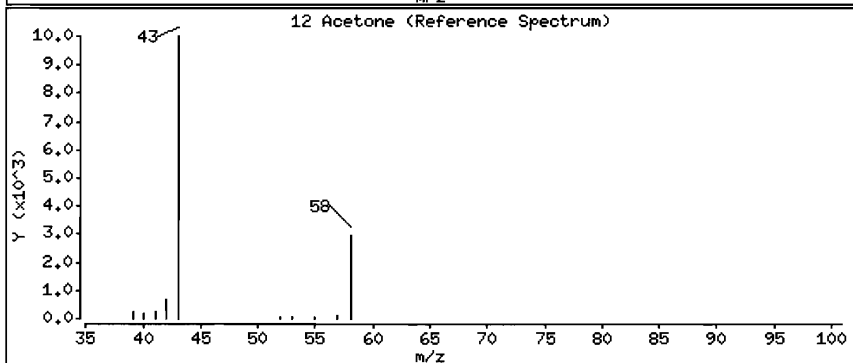
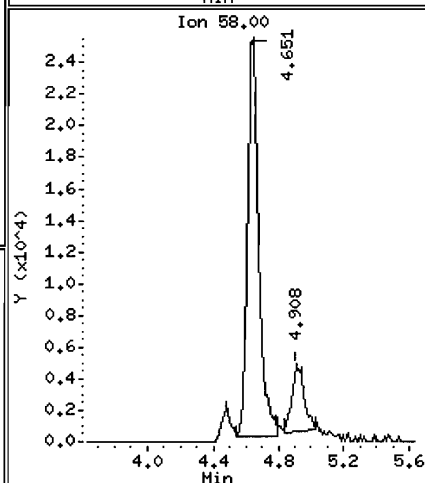
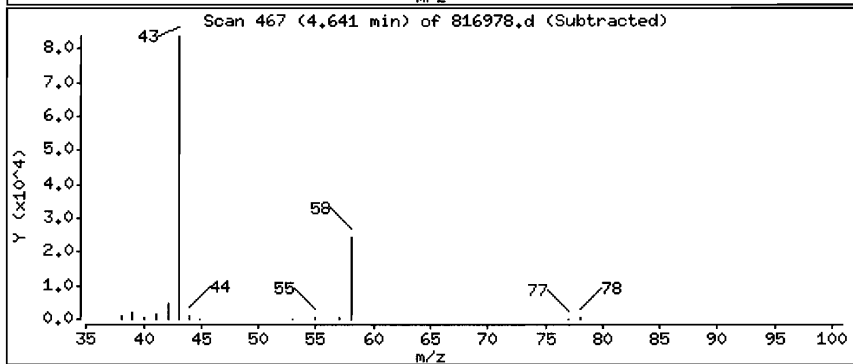
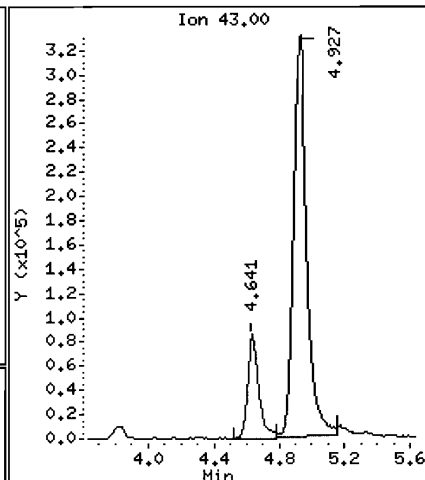
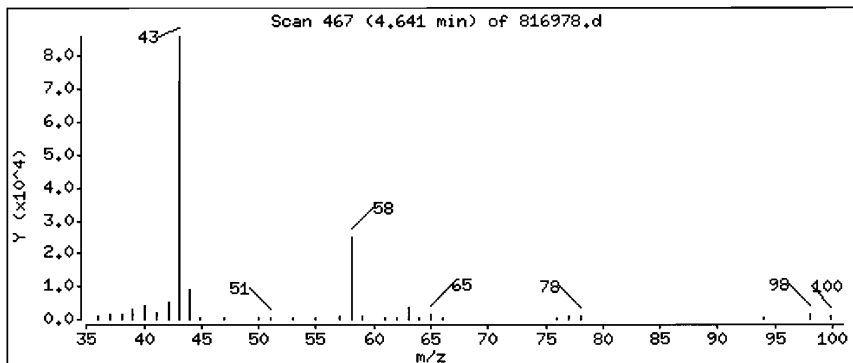
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 92 ug/L



Data File: /chem/H.i/Msivr.p/maoasmr.b/816978.d

Page 8

Date : 19-JAN-2010 12:59

Client ID: SB03231-232

Instrument: M.i

Sample Info: ISCO SB03 231-232 ;I 101/07/10 @1600(WATER)

Purge Volume: 25.0

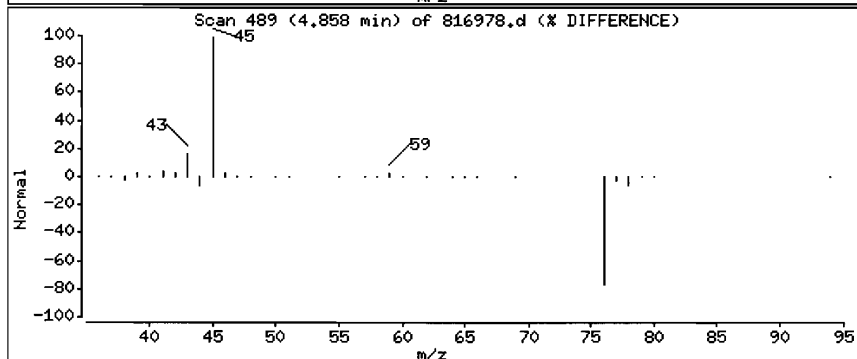
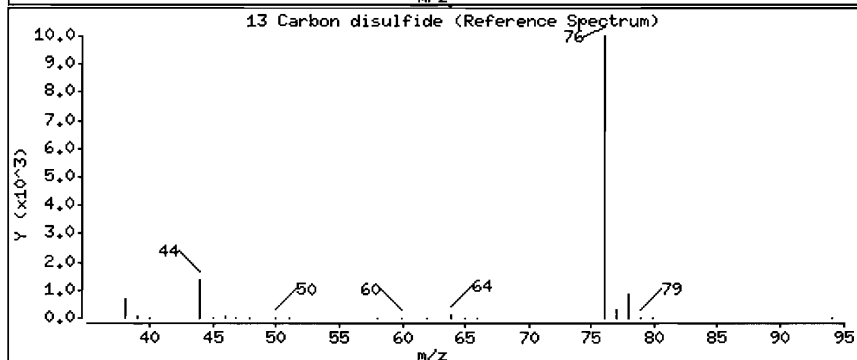
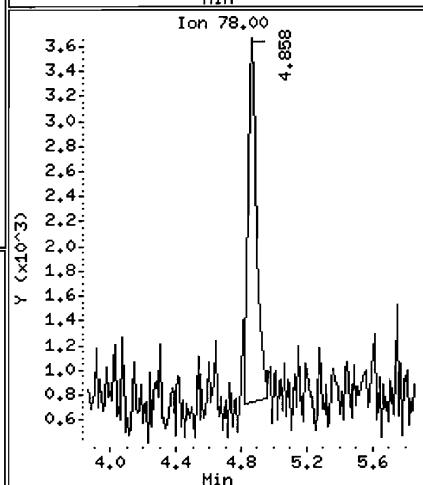
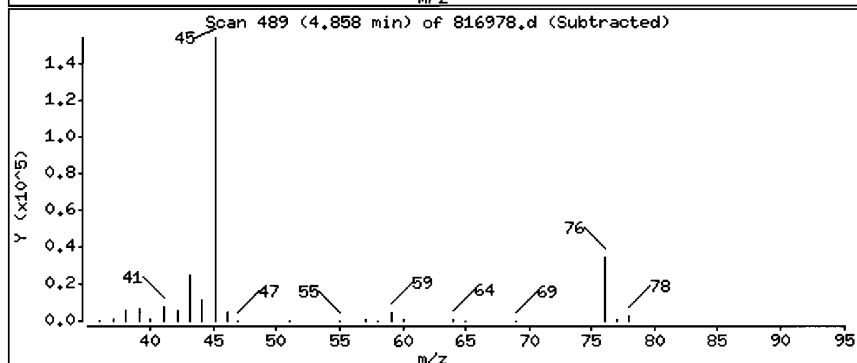
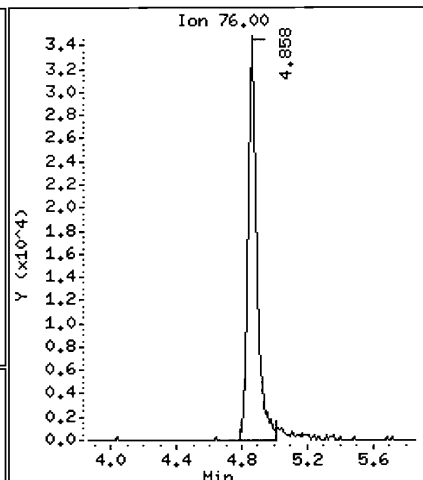
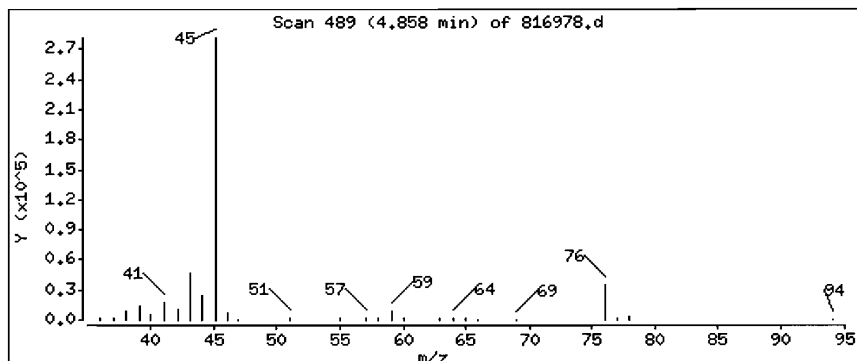
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

13 Carbon disulfide

Concentration: 0.35 ug/L



Data File: /chem/M.i/Hsvr.p/maoasmtr.b/816978.d

Page 9

Date : 19-JAN-2010 12:59

Client ID: SB03231-232

Instrument: M.i

Sample Info: ISCO SB03 231-232 ;[101/07/10 @1600(WATER)

Purge Volume: 25.0

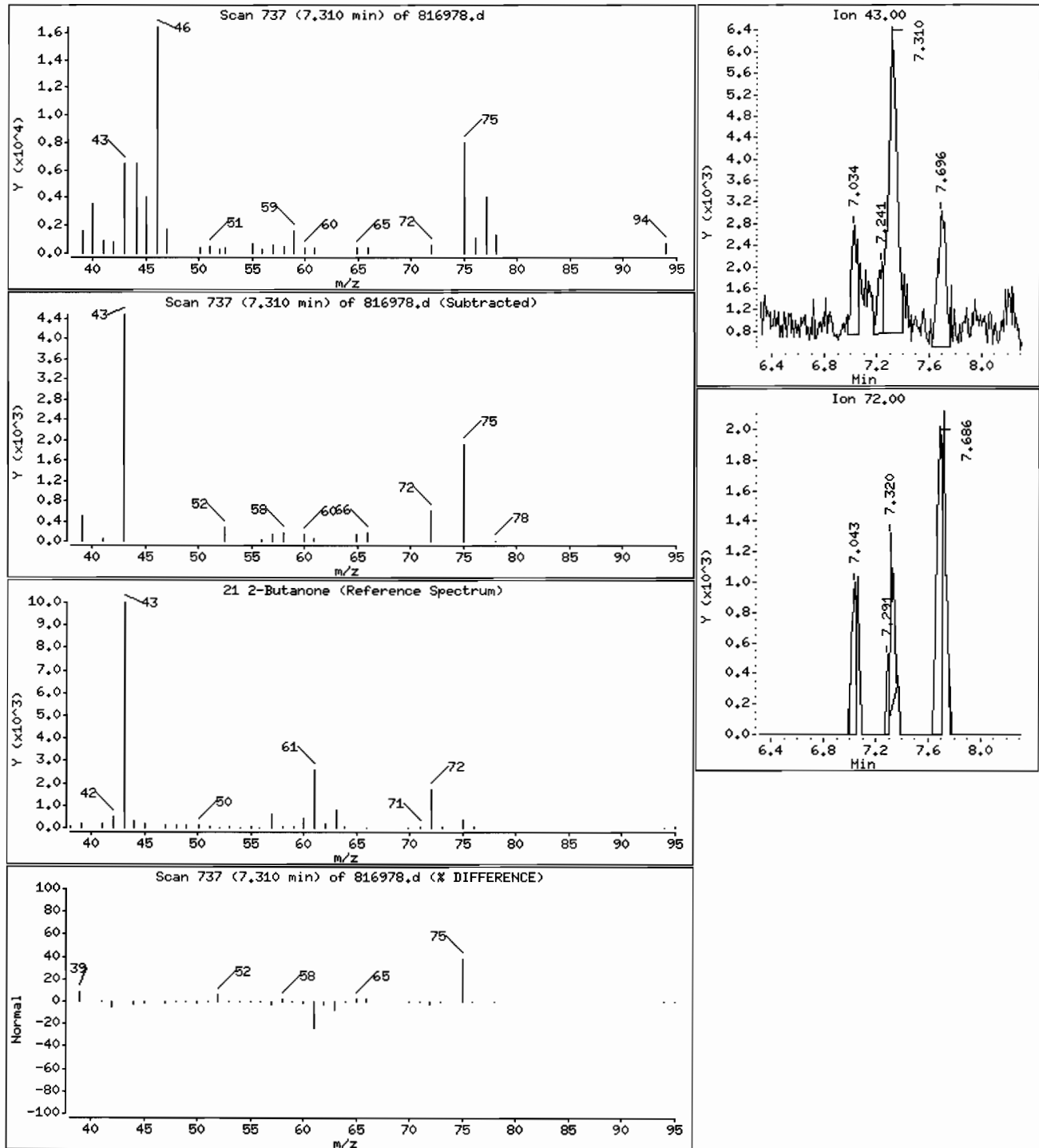
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 2.4 ug/L



Date : 19-JAN-2010 12:59

Client ID: SB03231-232

Instrument: M.i

Sample Info: ISCO SB03 231-232 ;[101/07/10 @1600(WATER)

Purge Volume: 25.0

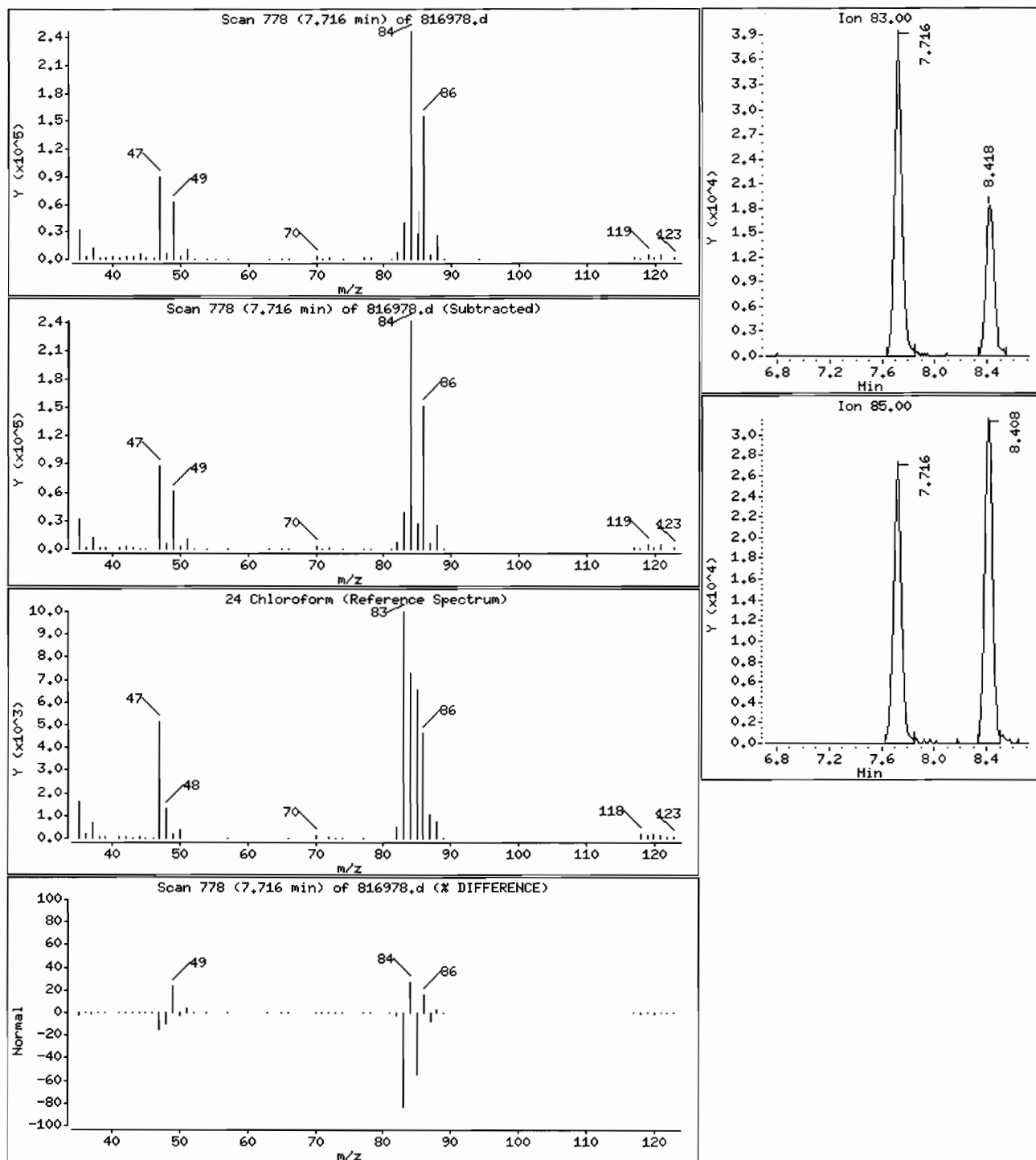
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

24 Chloroform

Concentration: 0.69 ug/L



Date : 19-JAN-2010 12:59

Client ID: SB03231-232

Instrument: M.i

Sample Info: ISCO SB03 231-232 :[101/07/10 @1600(WATER)

Purge Volume: 25.0

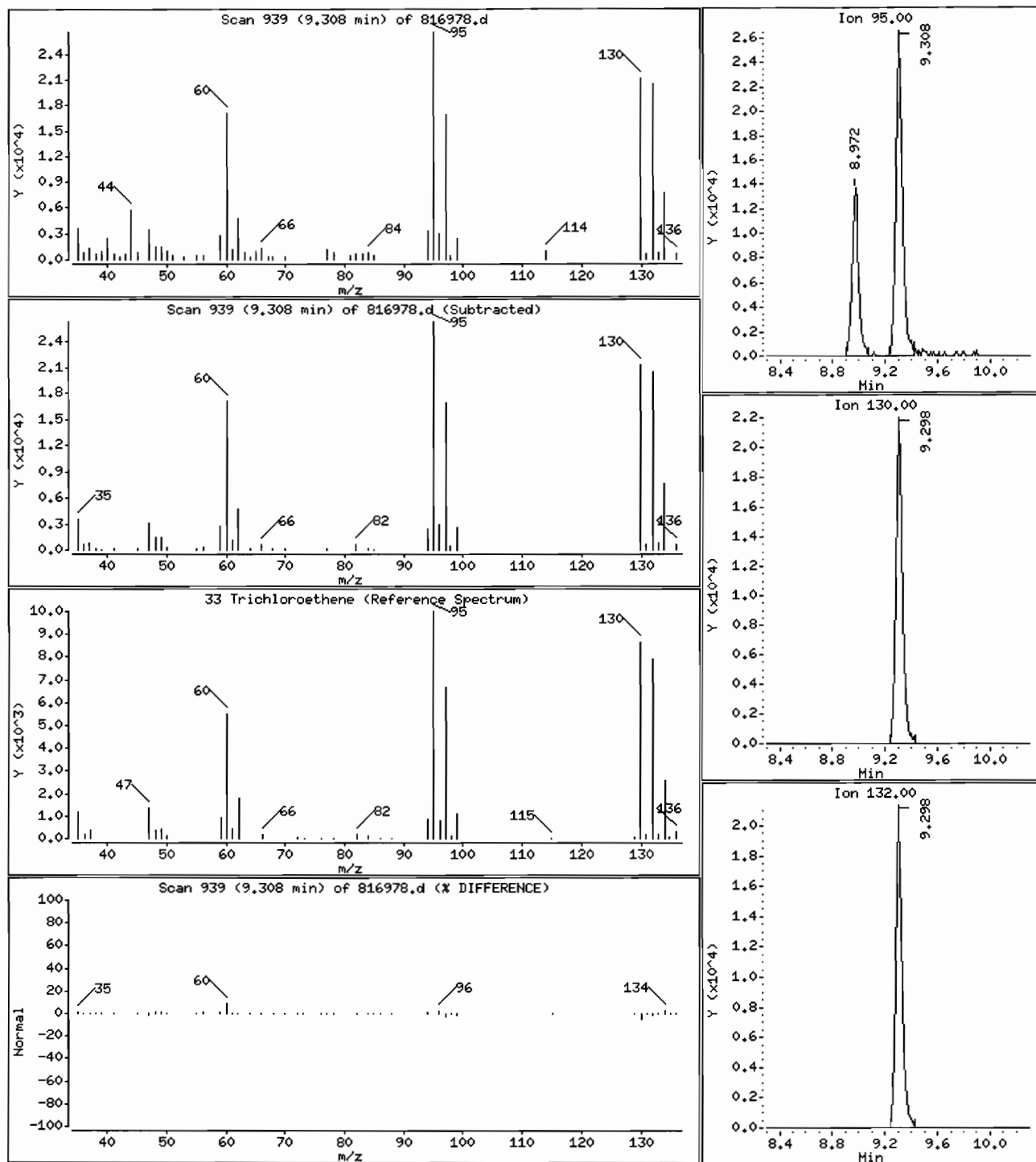
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 0.57 ug/L



Data File: /chem/M.i/Msvr.p/maoasmtr.b/816978.d

Page 12

Date : 19-JAN-2010 12:59

Client ID: SB03231-232

Instrument: M.i

Sample Info: ISCO SB03 231-232 ;I 101/07/10 @1600(WATER)

Purge Volume: 25.0

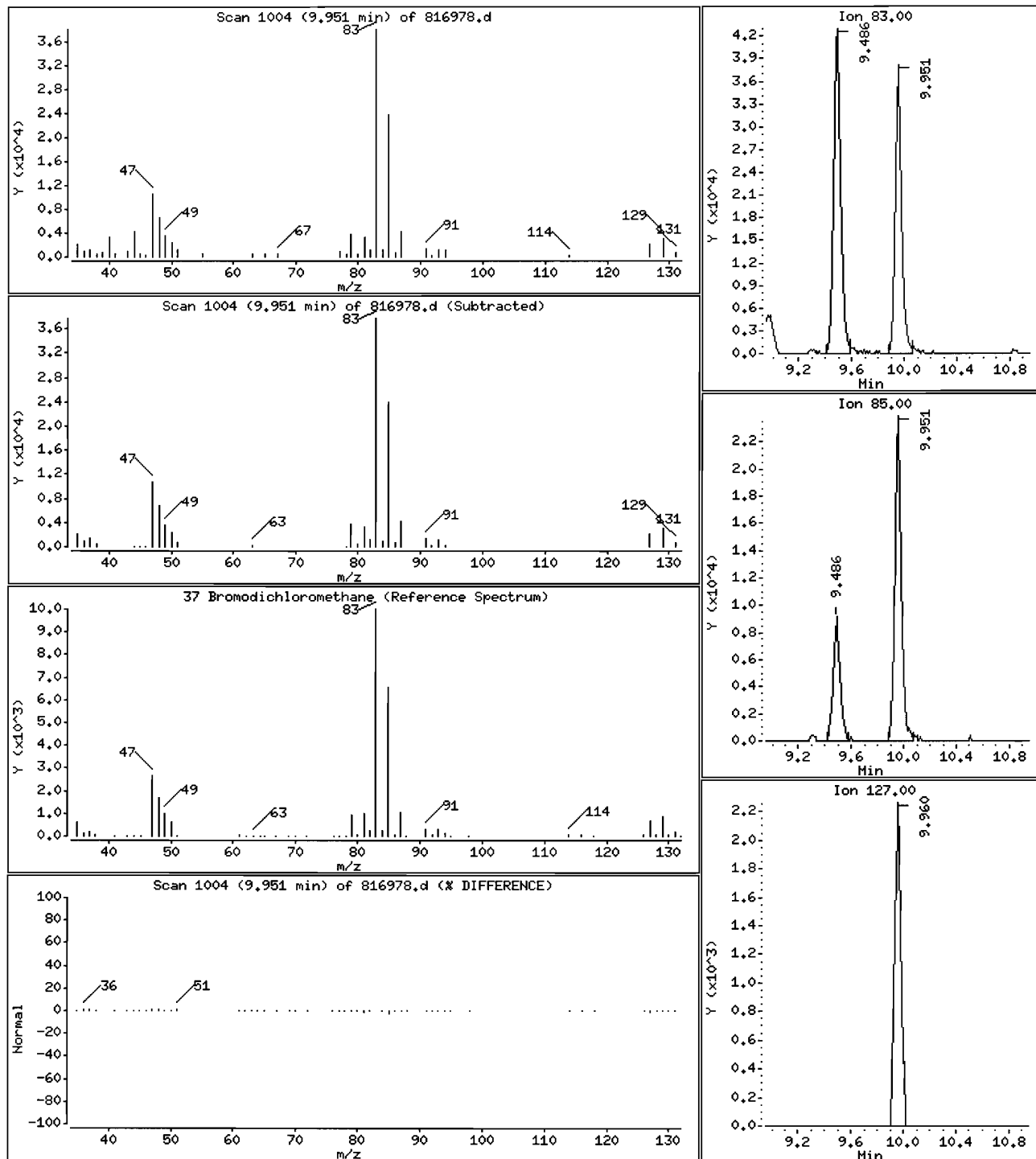
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

37 Bromodichloromethane

Concentration: 0.79 ug/L



Data File: /chem/M.i/Msvr.p/maoasmtr.b/816978.d

Page 13

Date : 19-JAN-2010 12:59

Client ID: SB03231-232

Instrument: M.i

Sample Info: ISCO SB03 231-232 :[J01/07/10 @1600(WATER)

Purge Volume: 25.0

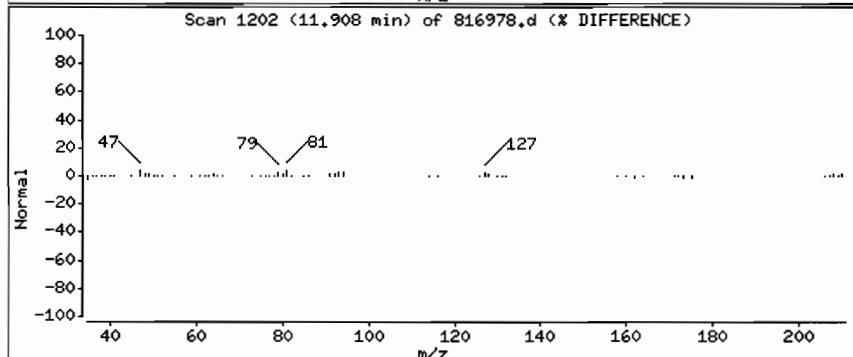
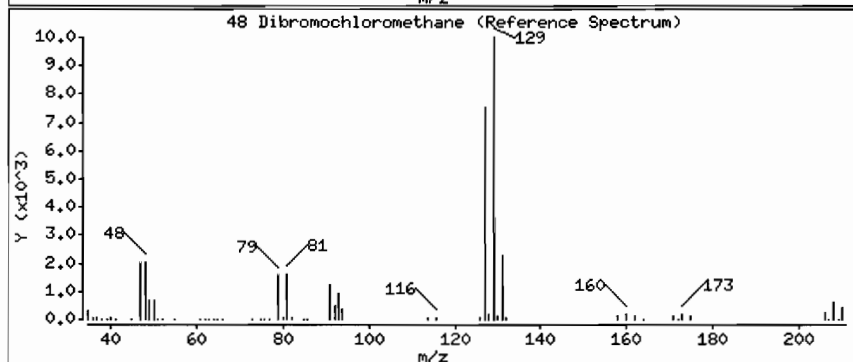
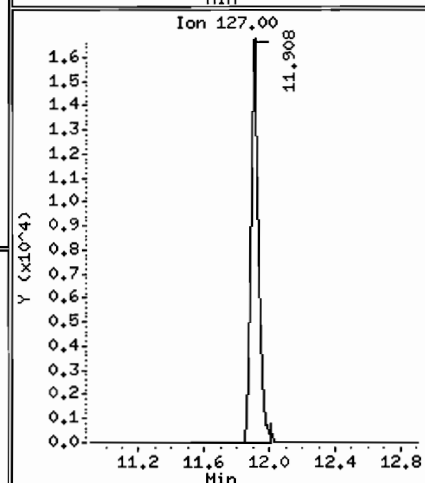
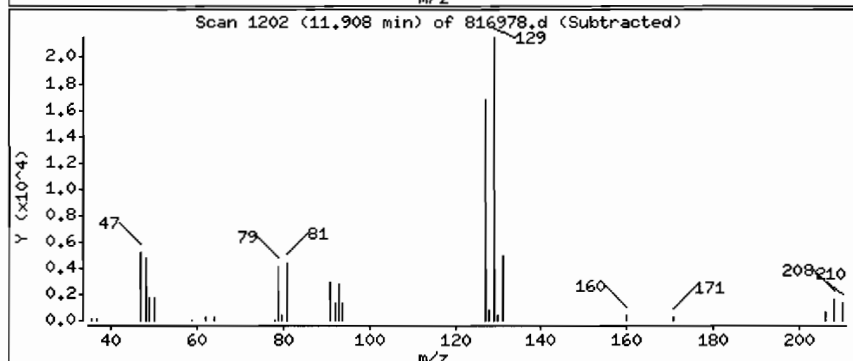
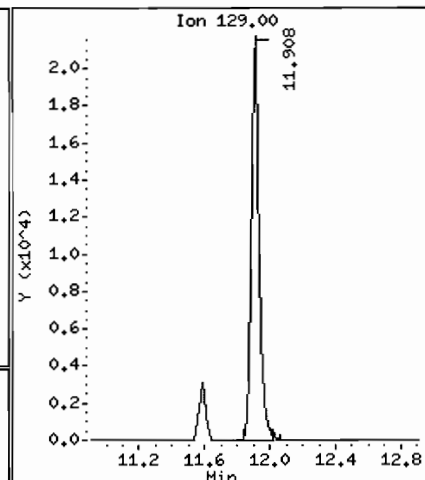
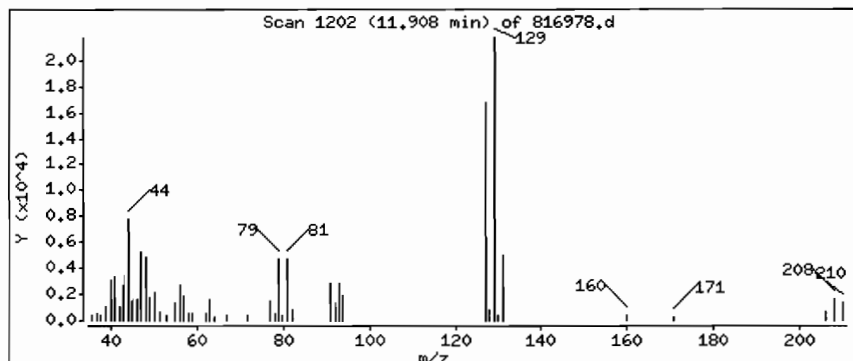
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

48 Dibromochloromethane

Concentration: 0.87 ug/L



Data File: /chem/H.i/Msivr.p/maoasmr.b/816978.d

Page 14

Date : 19-JAN-2010 12:59

Client ID: SB03231-232

Instrument: M.i

Sample Info: ISCO SB03 231-232 ;I 101/07/10 @1600(WATER)

Purge Volume: 25.0

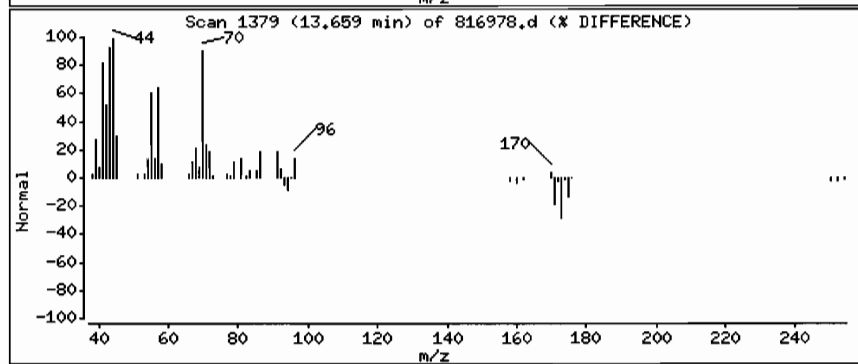
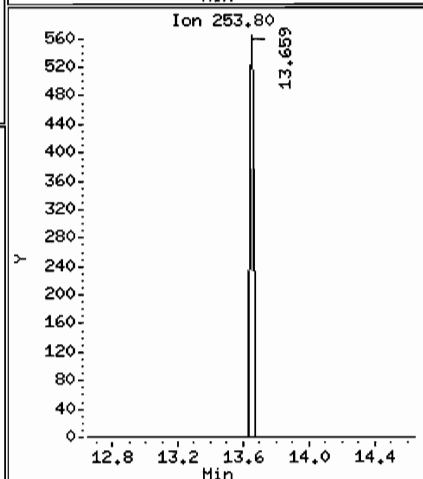
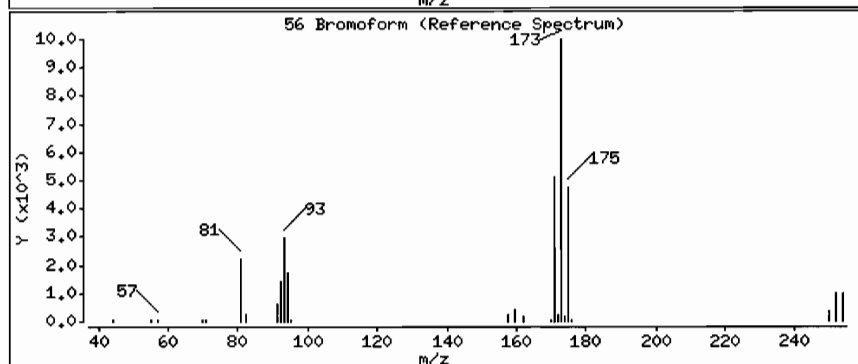
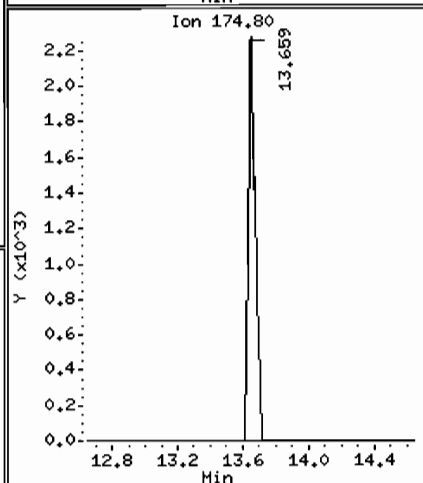
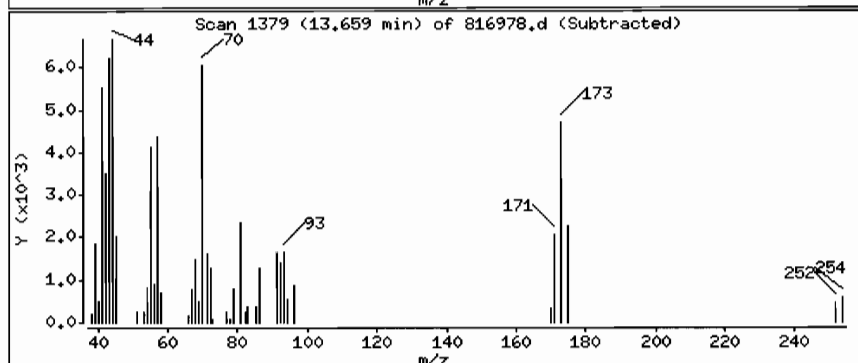
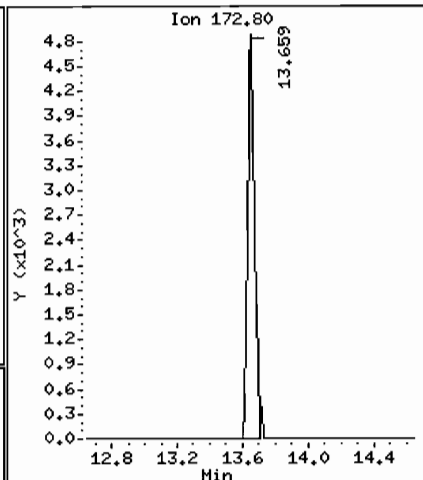
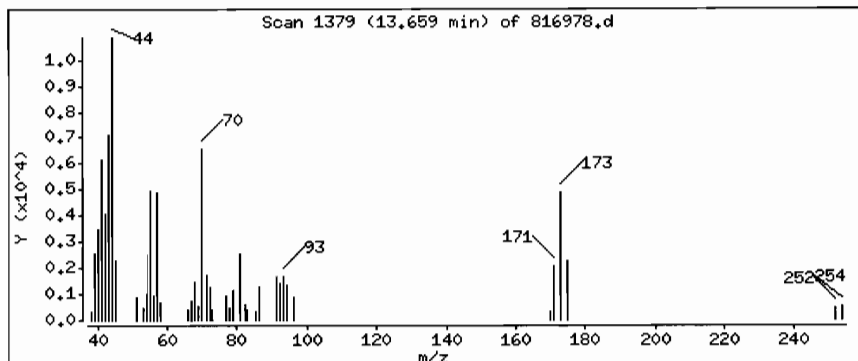
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

56 Bromoform

Concentration: 0.33 ug/L



Date : 19-JAN-2010 12:59

Client ID: SB03231-232

Instrument: M.i

Sample Info: ISCO SB03 231-232 :[101/07/10 @1600(WATER)

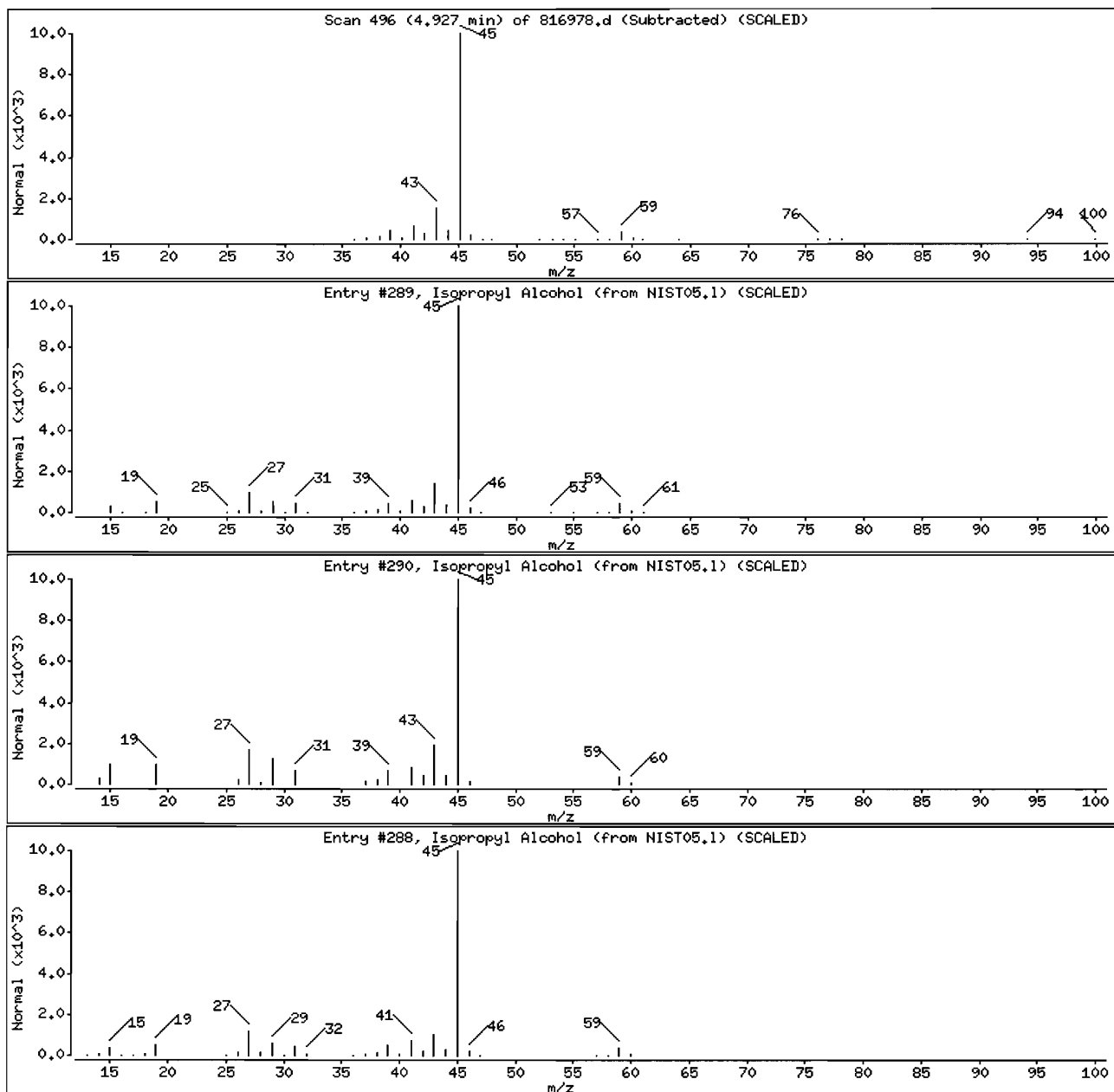
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
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	72	C3H8O	60



Date : 19-JAN-2010 12:59

Client ID: SB03231-232

Instrument: H.i

Sample Info: ISCO SB03 231-232 ;I 101/07/10 @1600(WATER)

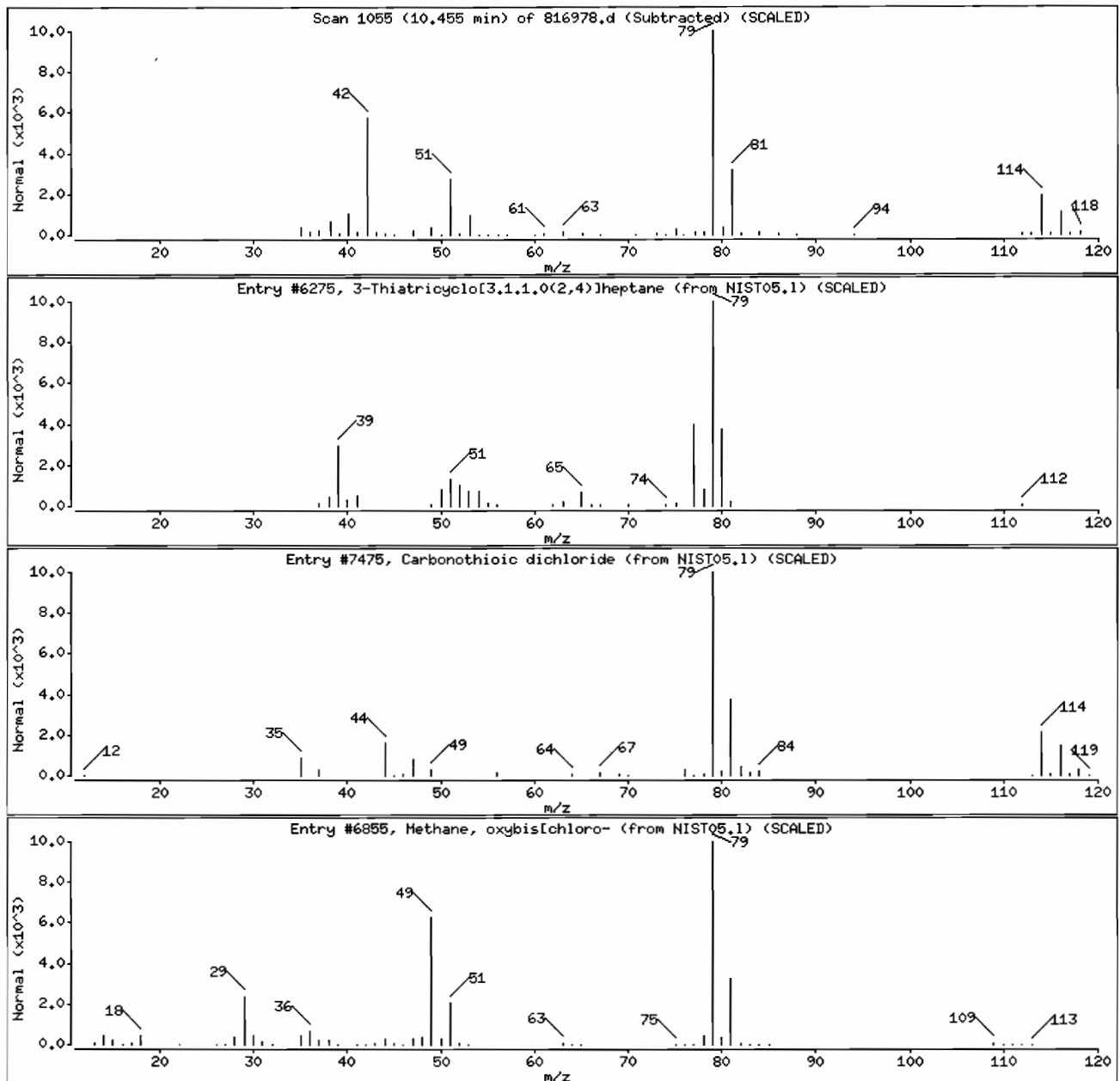
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	37	C6H8S	112
Carbonothioic dichloride	463-71-8	NIST05.1	7475	37	CCl2S	114
Methane, oxybis(chloro-	542-88-1	NIST05.1	6855	25	C2H4Cl2O	114



Date : 19-JAN-2010 12:59

Client ID: SB03231-232

Instrument: M.i

Sample Info: ISCO SB03 231-232 :[101/07/10 @1600(WATER)

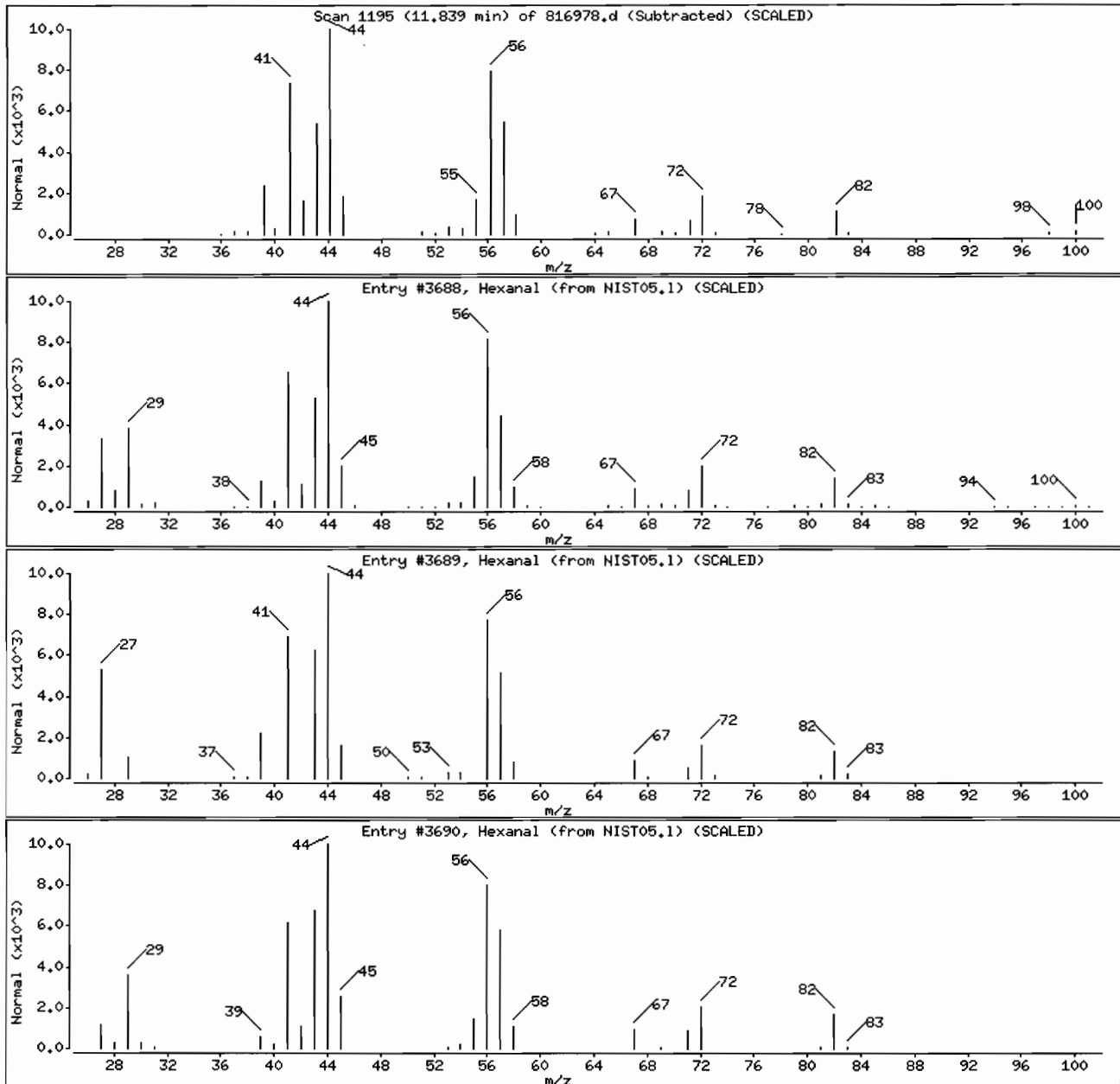
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	NIST05.1	3688	94	C ₆ H ₁₂ O	100
Hexanal	66-25-1	NIST05.1	3689	90	C ₆ H ₁₂ O	100
Hexanal	66-25-1	NIST05.1	3690	83	C ₆ H ₁₂ O	100



Date : 19-JAN-2010 12:59

Client ID: SB03231-232

Instrument: M.i

Sample Info: ISCO SB03 231-232 :I 101/07/10 @1600(WATER)

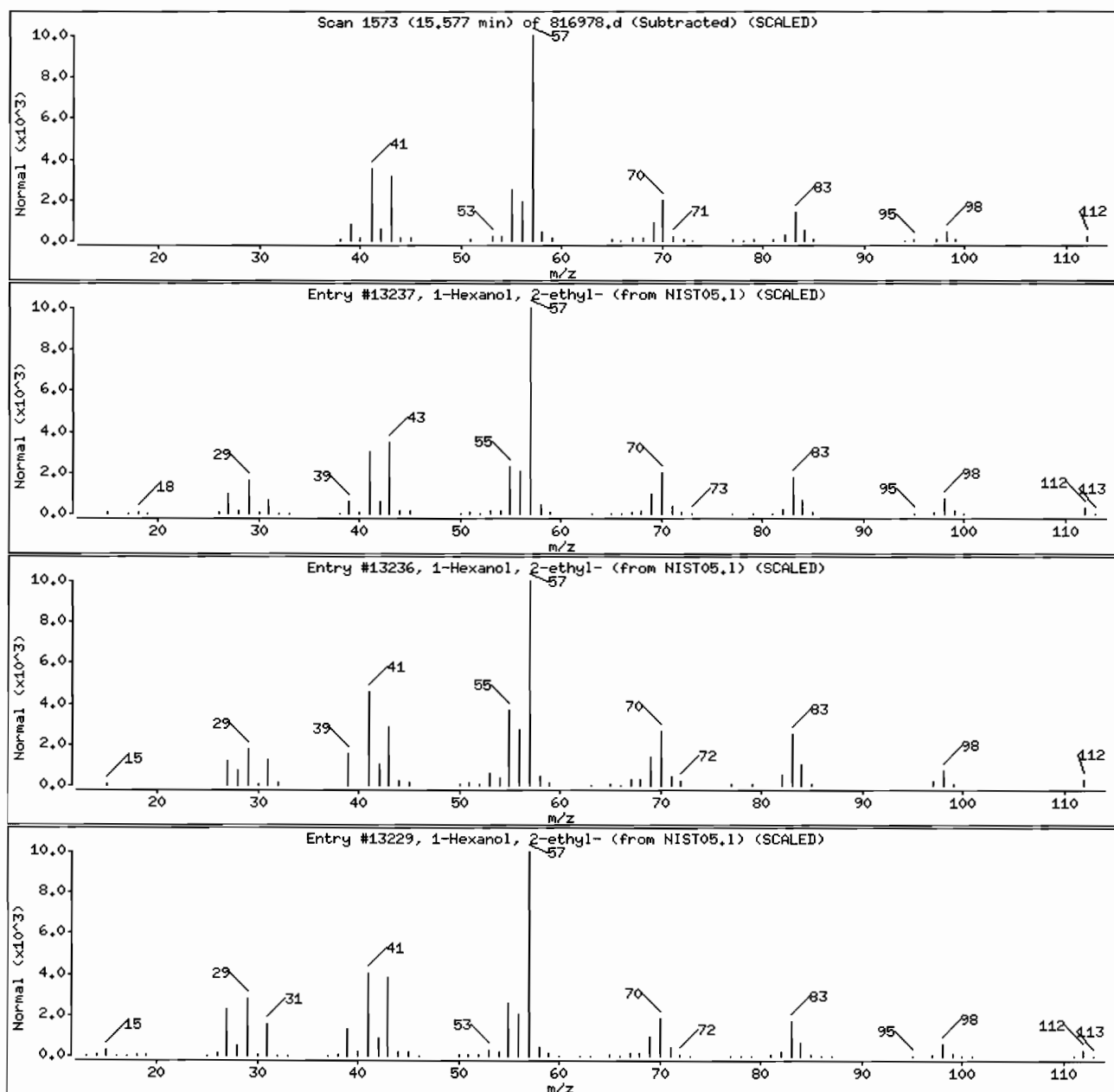
Purge Volume: 25.0

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	13237	78	C8H18O	130
1-Hexanol, 2-ethyl-	104-76-7	NIST05.1	13236	59	C8H18O	130
1-Hexanol, 2-ethyl-	104-76-7	NIST05.1	13229	53	C8H18O	130



Date : 19-JAN-2010 12:59

Client ID: SB03231-232

Instrument: M.i

Sample Info: ISCO SB03 231-232 :[101/07/10 @1600(WATER)

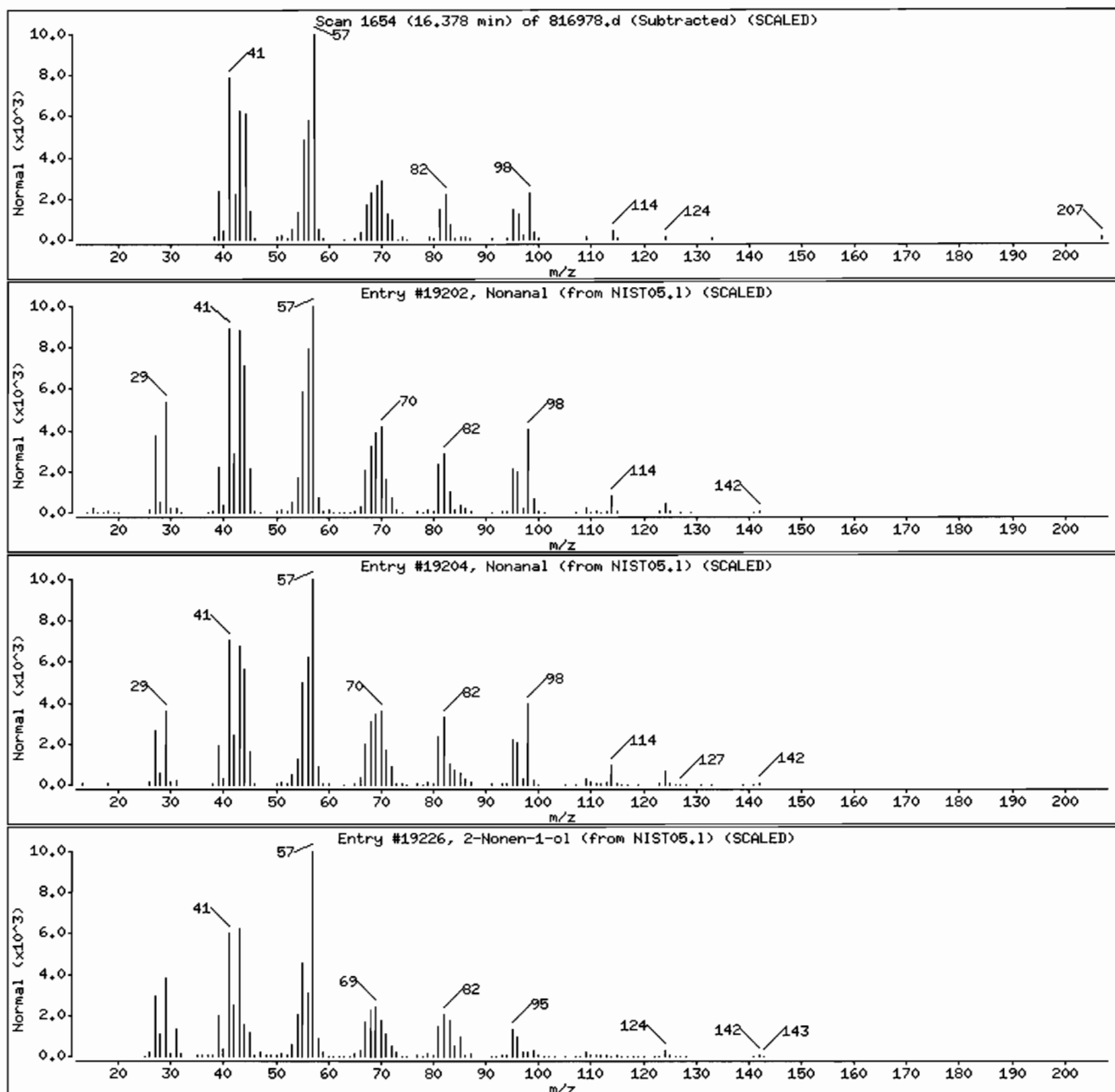
Purge Volume: 25.0

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	90	C ₉ H ₁₈ O	142
Nonanal	124-19-6	NIST05.1	19204	72	C ₉ H ₁₈ O	142
2-Nonen-1-ol	22104-79-6	NIST05.1	19226	35	C ₉ H ₁₈ O	142



Date : 19-JAN-2010 12:59

Client ID: SB03231-232

Instrument: M.i

Sample Info: ISCO SB03 231-232 :[101/07/10 @1600(WATER)

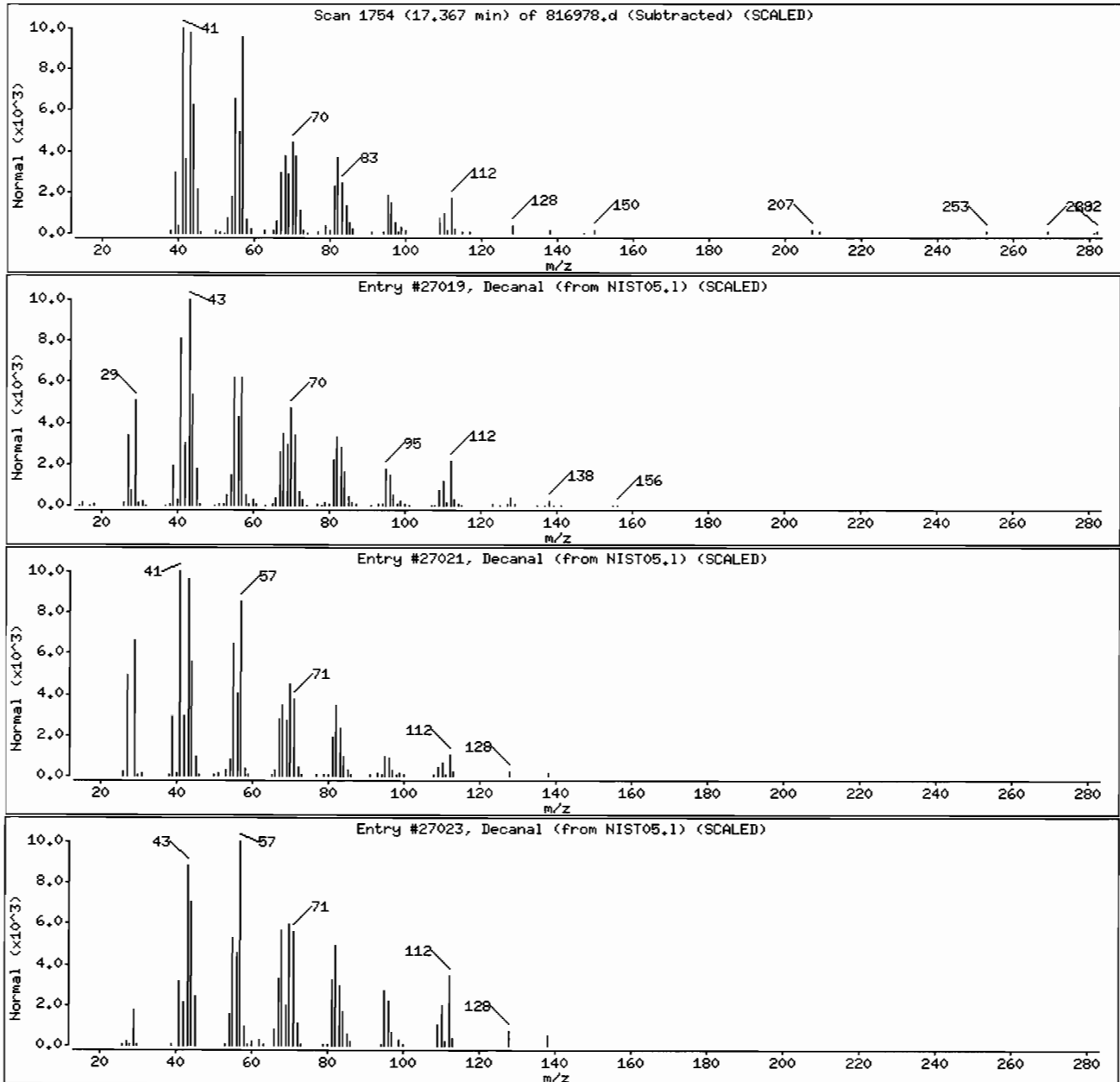
Purge Volume: 25.0

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	NIST05.1	27019	91	C10H20O	156
Decanal	112-31-2	NIST05.1	27021	91	C10H20O	156
Decanal	112-31-2	NIST05.1	27023	87	C10H20O	156



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

EPA SAMPLE NO.

SB03 DUP

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816979

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816979

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% 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	55	
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	1.6	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	1.3	
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.

SB03 DUP

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816979

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816979

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% 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	1.1	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	1.2	
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	1.1	
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	0.37	J
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.

SB03 DUP

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816979

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816979

Level: (TRACE or LOW/MED) TRACE

Date Received: 01/08/2010

% 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	=====	=====	=====	=====	=====
02	67-63-0	Unknown	2.29	0.86	J
03		Isopropyl Alcohol	4.93	13	NJ
04	66-25-1	Unknown	10.45	3.5	JXB
05		Hexanal	11.84	1.4	NJ
06	124-19-6	Unknown	15.58	1.00	J
07	112-31-2	Nonanal	16.38	1.7	NJ
08		Decanal	17.37	1.3	NJ
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		

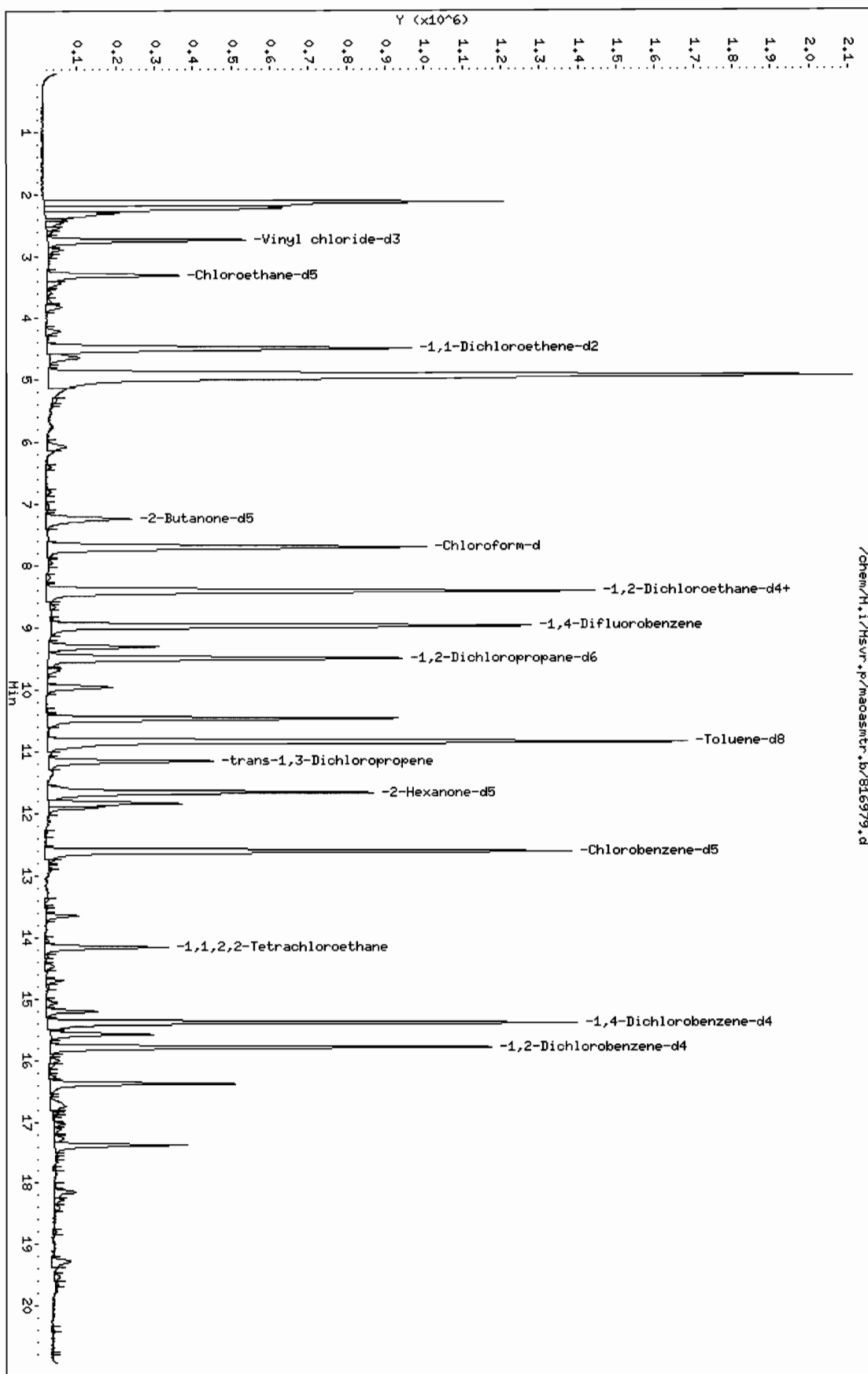
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/moasmtc.b/816979.d
Date : 19-Jan-2010 13:34
Client ID: SB03 DUP
Sample Info: ISCO SB03 DUPLICATE : (101/07/10 @ WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: HRV
Column diameter: 0.53

Page 6



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT
Data file : /chem/M.i/Msvr.p/maoasmtr.b/816979.d
Lab Smp Id: 816979 Client Smp ID: SB03 DUP
Inj Date : 19-JAN-2010 13:31
Operator : MRV Inst ID: M.i
Smp Info : ISCO SB03 DUPLICATE :[]01/07/10 @ (WATER)
Misc Info : 816979,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 27-Jan-2010 13:46 jdl Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 12
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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
-----	----	--	-----	-----	-----	-----	-----
1 Dichlorodifluoromethane	85				Compound Not Detected.		
2 Chloromethane	50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	2.722	2.720	(0.304)	879978	5.19894	5.2
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	3.296	3.294	(0.368)	721977	5.43567	5.4
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	4.492	4.480	(0.501)	1650591	4.49013	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	4.631	4.629	(0.517)	253071	55.4166	55
13 Carbon disulfide	76				Compound Not Detected.		
14 Methyl acetate	43				Compound Not Detected.		

Compounds	QUANT SIG	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)	651257	54.6538	55
20 cis-1,2-Dichloroethene	96				Compound Not Detected.		
21 2-Butanone	43	7.310	7.308	(0.816)	18365	1.61704	1.6 (aM)
22 Bromochloromethane	128				Compound Not Detected.		
\$ 23 Chloroform-d	84	7.686	7.684	(0.858)	1329021	5.43300	5.4 (Q)
24 Chloroform	83	7.716	7.714	(0.861)	301096	1.29667	1.3
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)	401526	5.16874	5.2 (Q)
\$ 29 Benzene-d6	84	8.408	8.396	(0.667)	1979123	5.18596	5.2
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	8.962	8.960	(1.000)	1811873	5.00000	
33 Trichloroethene	95	9.298	9.296	(0.738)	197676	1.11352	1.1
\$ 34 1,2-Dichloropropane-d6	67	9.476	9.484	(0.752)	925658	4.78491	4.8
35 Methylcyclohexane	55				Compound Not Detected.		
36 1,2-Dichloropropane	63				Compound Not Detected.		
37 Bromodichloromethane	83	9.950	9.949	(0.790)	207415	1.16933	1.2
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	(0.860)	2055769	5.19300	5.2
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.157	11.145	(0.885)	451332	4.74295	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	11.661	11.649	(0.925)	701385	54.6016	55
47 2-Hexanone	43				Compound Not Detected.		
48 Dibromochloromethane	129	11.908	11.907	(0.945)	98158	1.08636	1.1
49 1,2-Dibromoethane	107				Compound Not Detected.		
* 50 Chlorobenzene-d5	117	12.600	12.599	(1.000)	1375941	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	173	13.649	13.647	(0.887)	17923	0.37326	0.37 (a)
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	14.163	14.161	(1.124)	361006	5.32977	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	15.389	15.387	(1.000)	638085	5.00000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	----	--	-----	-----	-----	-----	-----
\$ 63 1,2-Dichlorobenzene-d4	152	15.784	15.783	(1.026)	503348	5.14080	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.
- M - Compound response manually integrated.

Data File: /chem/M.i/Msvr.p/maoasmtr.b/816979.d
Report Date: 27-Jan-2010 13:47

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/816979.d
Lab Smp Id: 816979 Client Smp ID: SB03 DUP
Inj Date : 19-JAN-2010 13:31
Operator : MRV Inst ID: M.i
Smp Info : ISCO SB03 DUPLICATE : [] 01/07/10 @ (WATER)
Misc Info : 816979,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 27-Jan-2010 13:46 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 12
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	8.962	4680690	5.000
* 50 Chlorobenzene-d5	12.600	4624914	5.000
* 61 1,4-Dichlorobenzene-d4	15.389	4315603	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown				CAS #:			
2.287	807253	0.86232214	0.86	0		0	32

Data File: /chem/M.i/Msvr.p/maoasmtr.b/816979.d
Report Date: 27-Jan-2010 13:47

Page 5

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL (ug/L)	FINAL (ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Isopropyl Alcohol					CAS #: 67-63-0		
4.927	12004419	12.8233423	13	86	NIST05.1	290	32
Unknown					CAS #:		
10.455	3279380	3.50309450	3.5	0		0	32
Hexanal					CAS #: 66-25-1		
11.839	1280363	1.38420194	1.4	90	NIST05.1	3688	50
Unknown					CAS #:		
15.577	861215	0.99779202	1.00	0		0	61
Nonanal					CAS #: 124-19-6		
16.378	1481759	1.71674594	1.7	91	NIST05.1	19202	61
Decanal					CAS #: 112-31-2		
17.367	1117706	1.29495916	1.3	91	NIST05.1	27023	61

Data File: /chem/M.i/Msvr.p/maoasmtr.b/816979.d

Page 7

Date : 19-JAN-2010 13:31

Client ID: SB03 DUP

Instrument: M.i

Sample Info: ISCO SB03 DUPLICATE ;[101/07/10 @ (WATER)

Purge Volume: 25.0

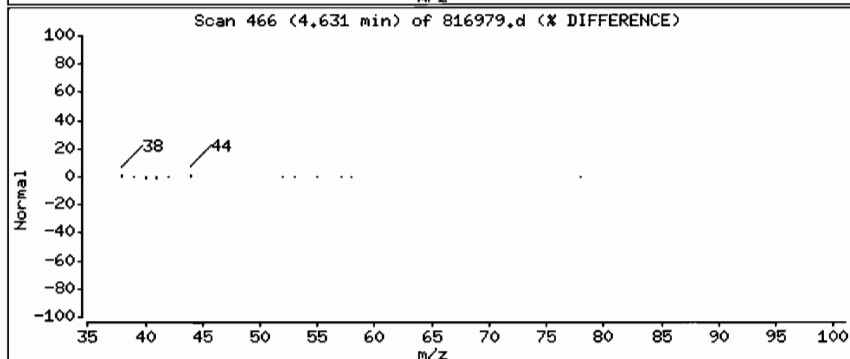
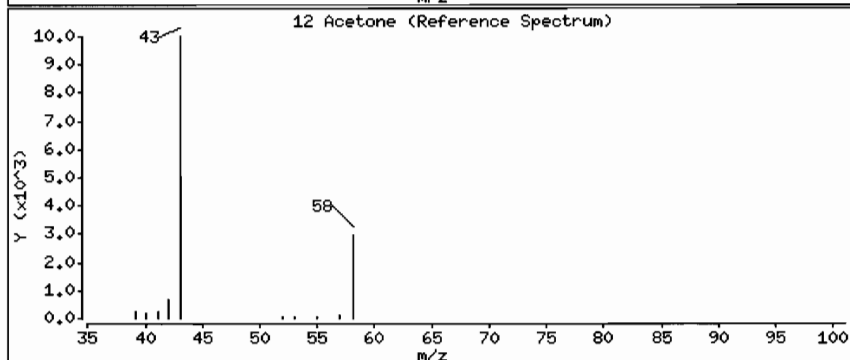
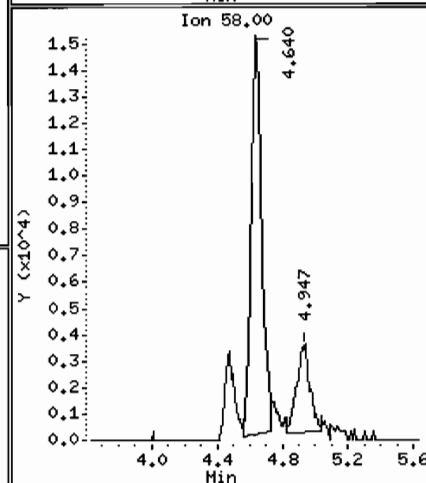
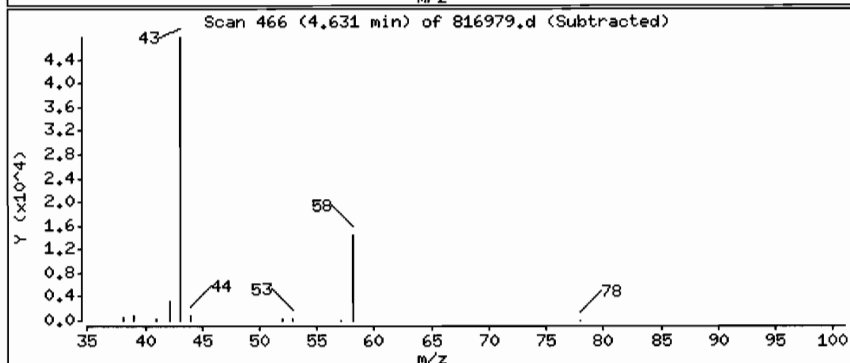
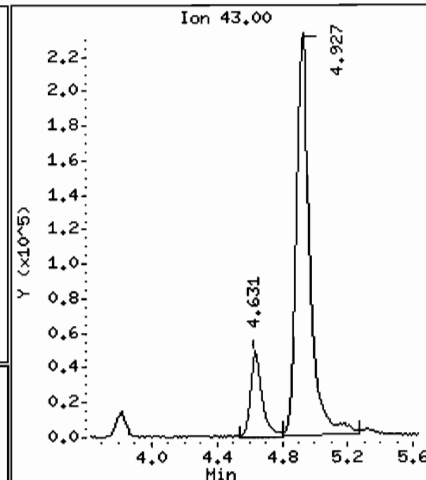
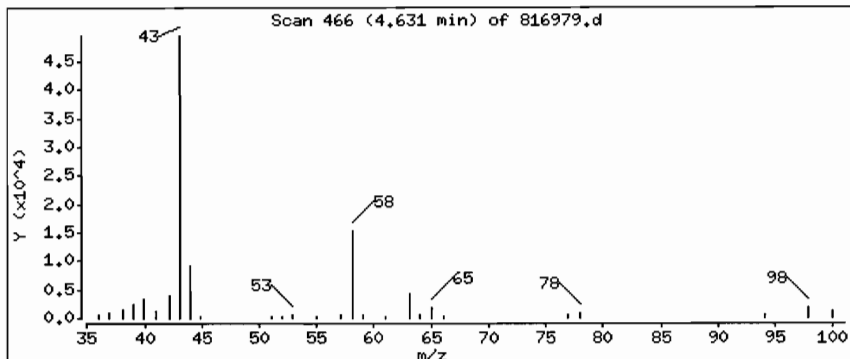
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 55 ug/L



Data File: /chem/M.i/Msvr.p/maoasmt.r/b/816979.d

Page 8

Date : 19-JAN-2010 13:31

Client ID: SB03 DUP

Instrument: M.i

Sample Info: ISCO SB03 DUPLICATE :[101/07/10 @ (WATER)

Purge Volume: 25.0

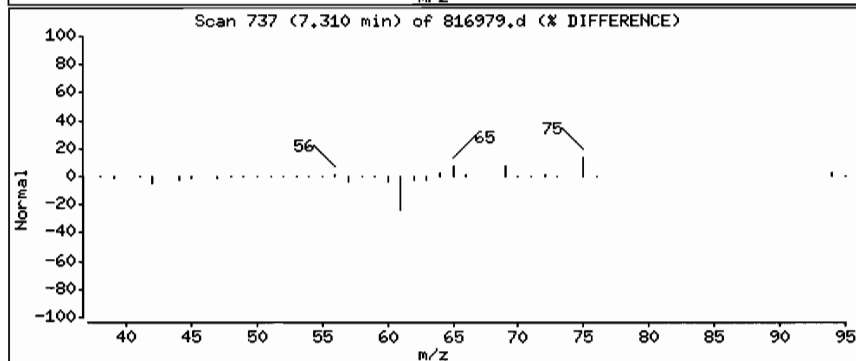
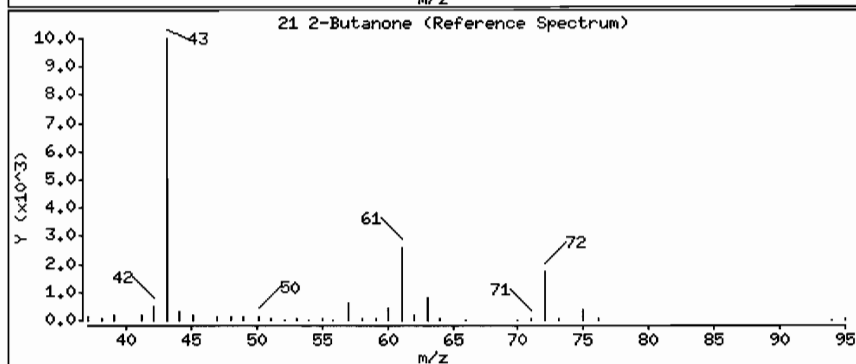
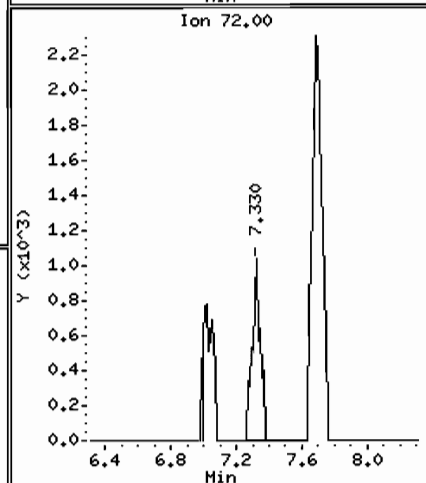
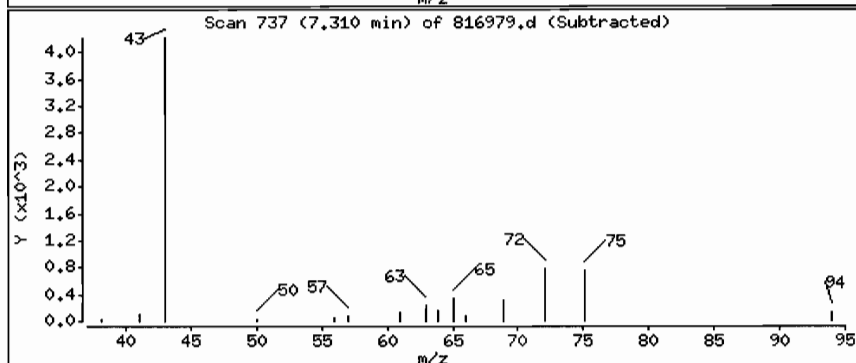
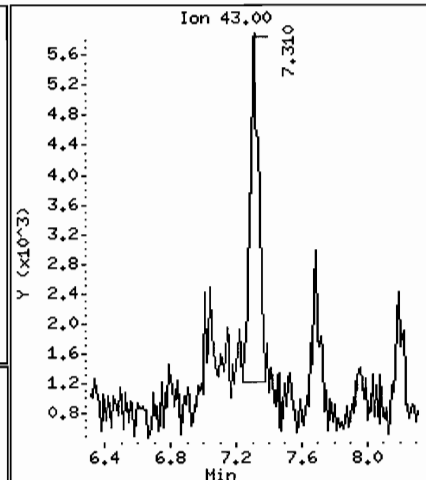
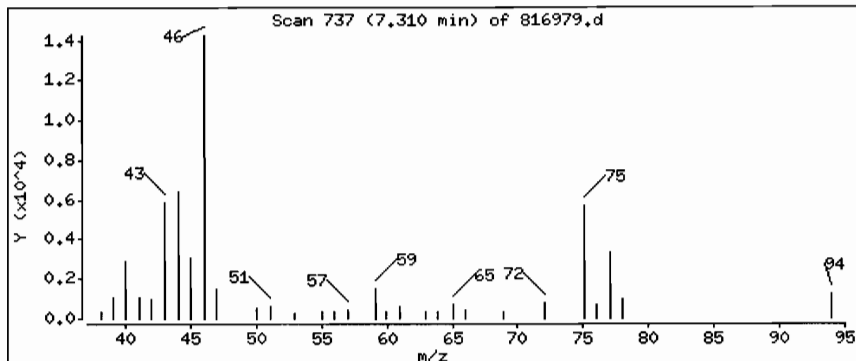
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

21 2-Butanone

Concentration: 1.6 ug/L



Data File: /chem/M.i/Msvr.p/maoasmt/b/816979.d

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Date : 19-JAN-2010 13:31

Client ID: SB03 DUP

Instrument: M.i

Sample Info: ISCO SB03 DUPLICATE :[101/07/10 @ (WATER)

Purge Volume: 25.0

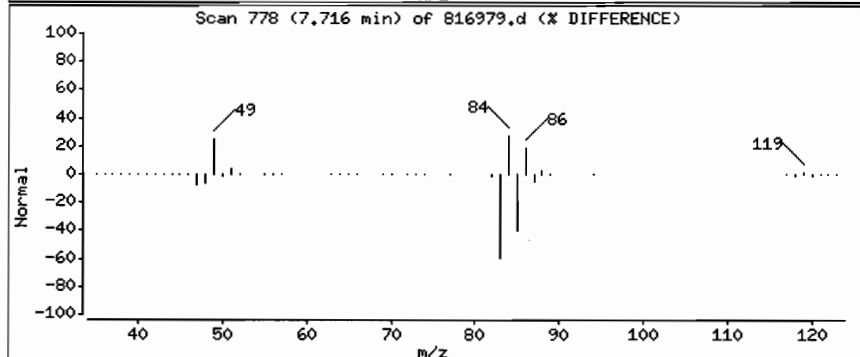
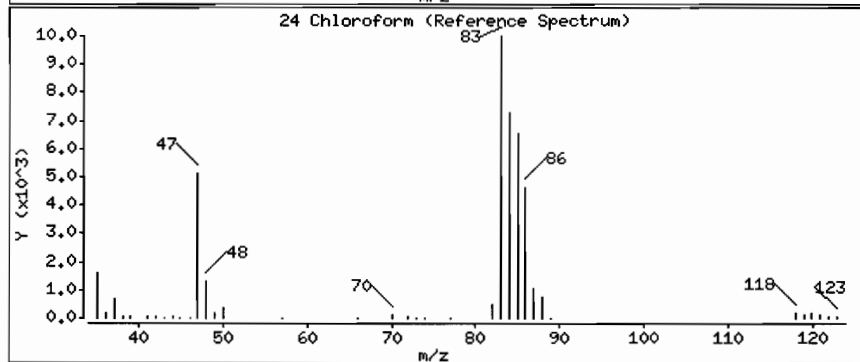
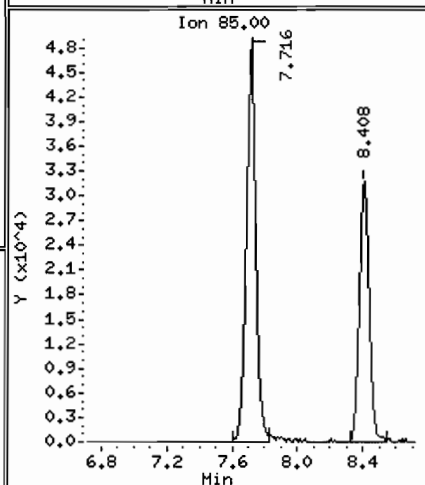
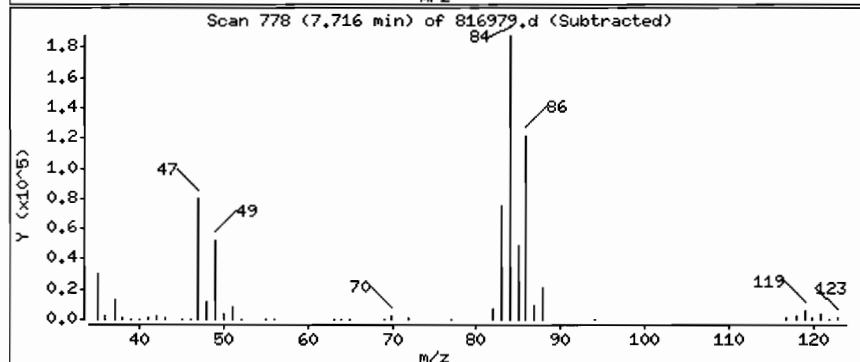
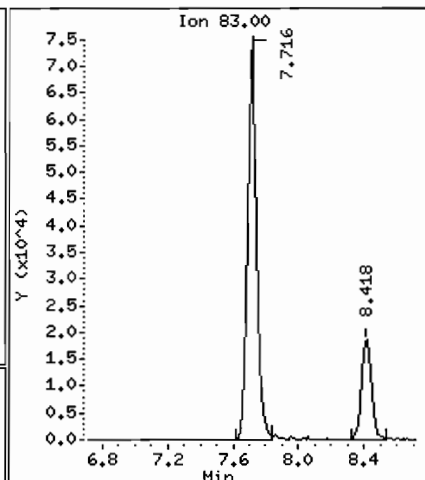
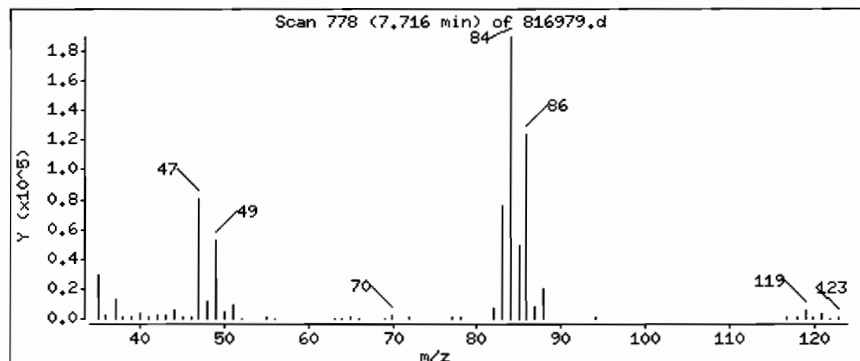
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

24 Chloroform

Concentration: 1.3 ug/L



Data File: /chem/M.i/Msivr.p/maoasmr.b/816979.d

Page 10

Date : 19-JAN-2010 13:31

Client ID: SB03 DUP

Instrument: M.i

Sample Info: ISCO SB03 DUPLICATE :[101/07/10 @ (WATER)

Purge Volume: 25.0

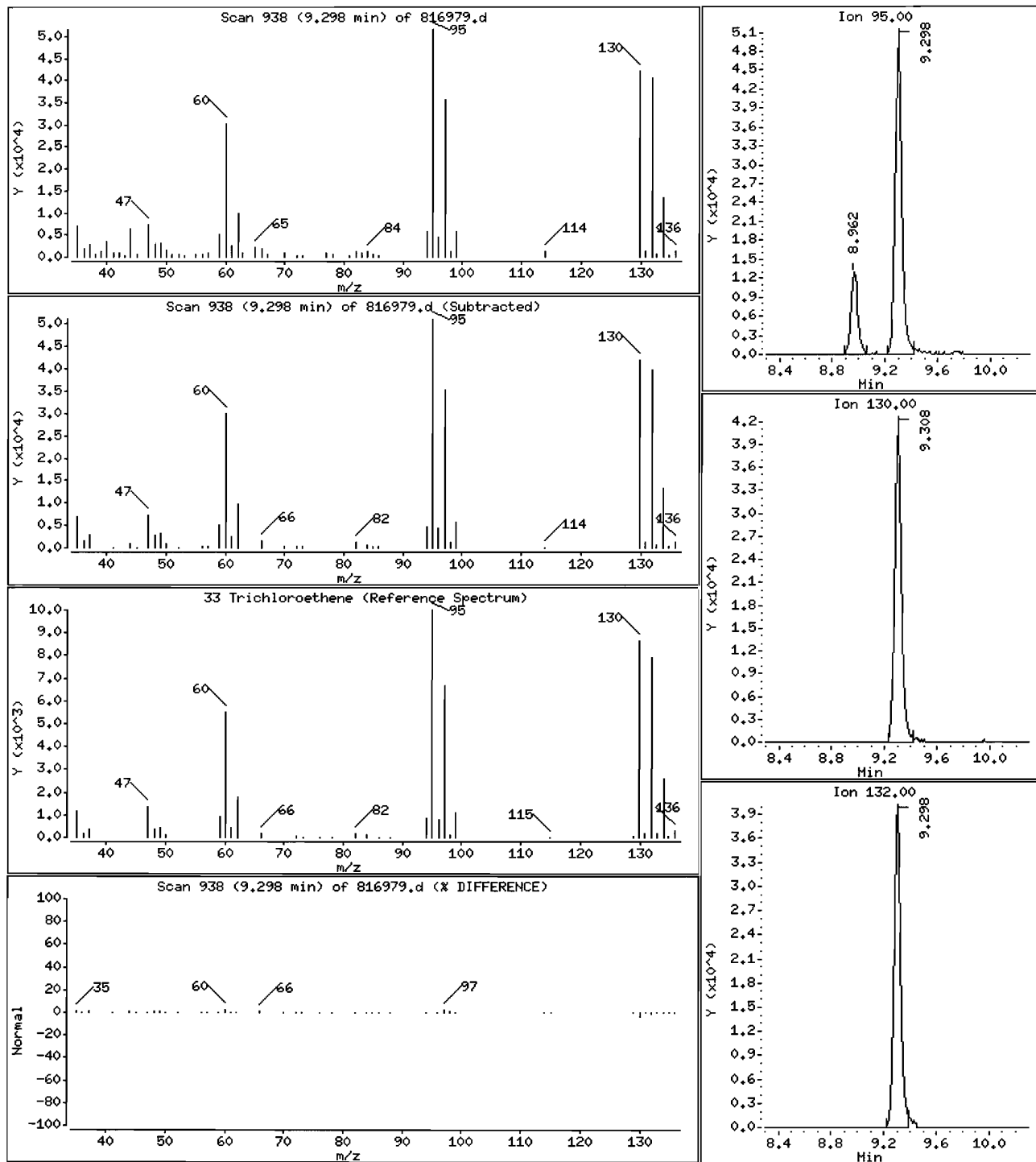
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

33 Trichloroethene

Concentration: 1.1 ug/L



Data File: /chem/M.i/Msvr.p/maoasmr.b/816979.d

Page 11

Date : 19-JAN-2010 13:31

Client ID: SB03 DUP

Instrument: M.i

Sample Info: ISCO SB03 DUPLICATE :I 101/07/10 @ (WATER)

Purge Volume: 25.0

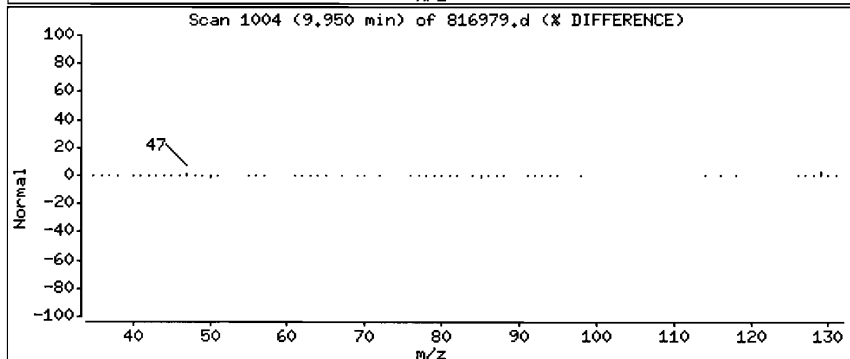
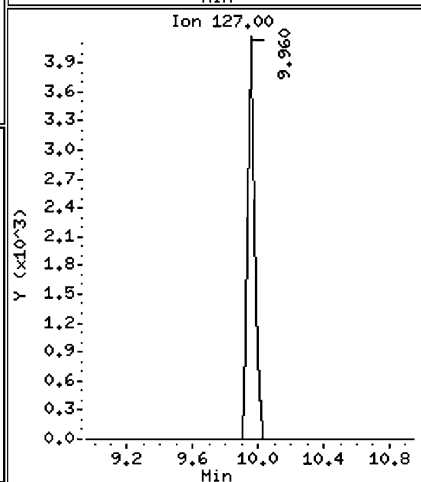
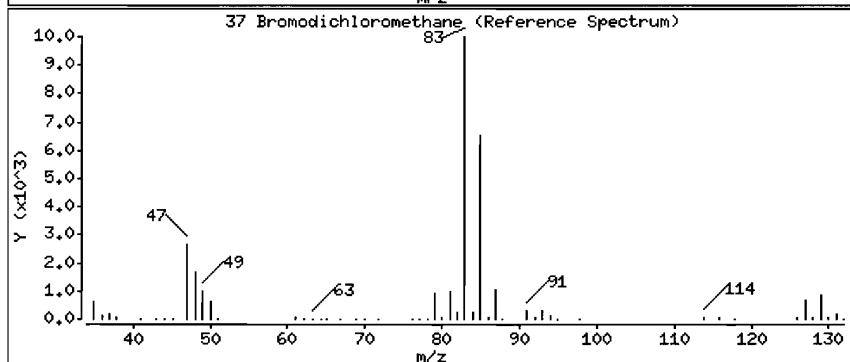
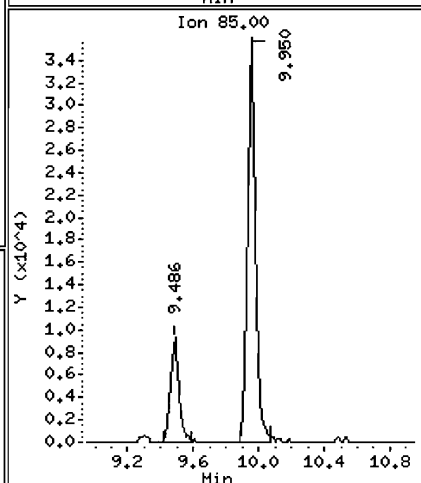
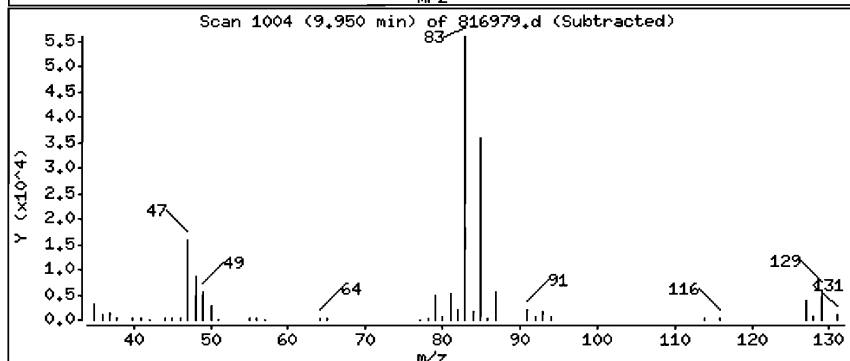
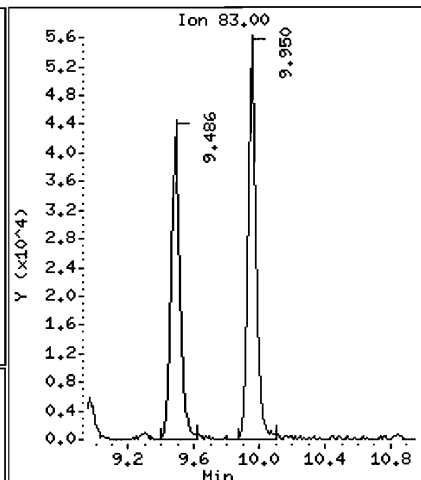
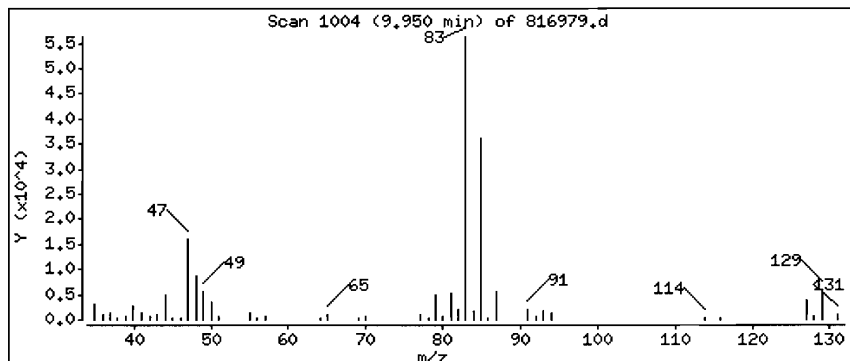
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

37 Bromodichloromethane

Concentration: 1.2 ug/L



Data File: /chem/H.i/Msvr.p/maoasmt.r.b/816979.d

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Date : 19-JAN-2010 13:31

Client ID: SB03 DUP

Instrument: M.i

Sample Info: ISCO SB03 DUPLICATE :[101/07/10 @ (WATER)

Purge Volume: 25.0

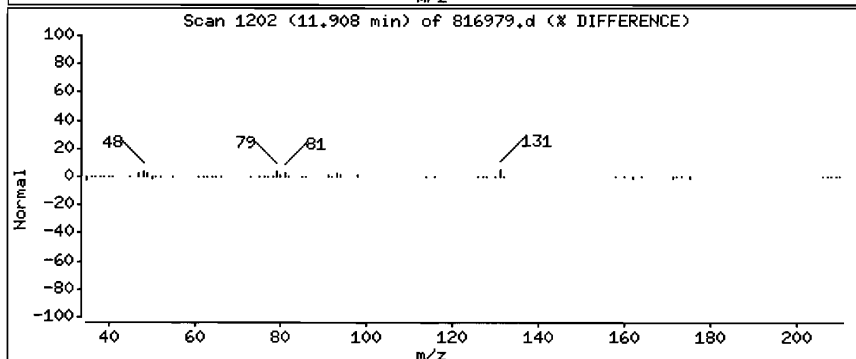
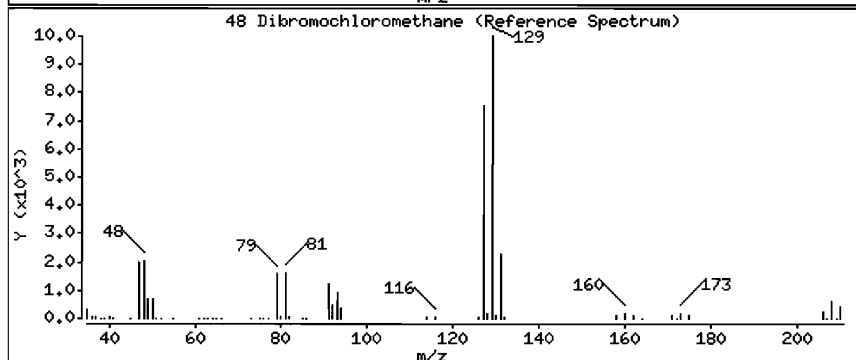
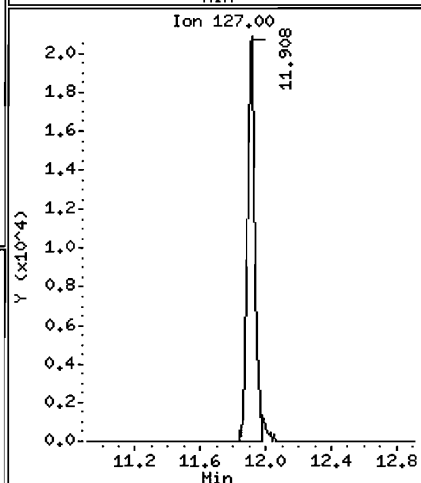
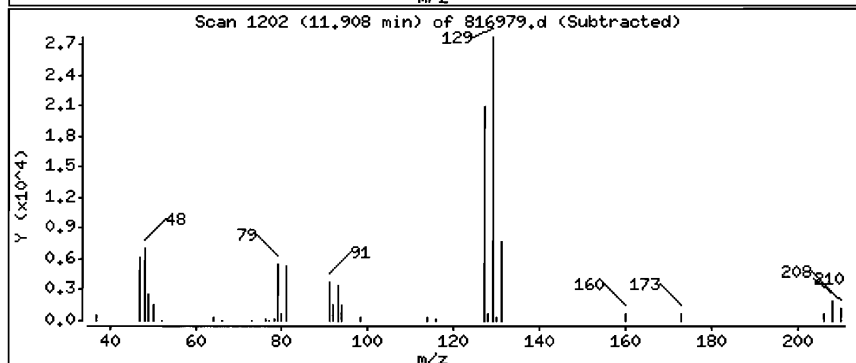
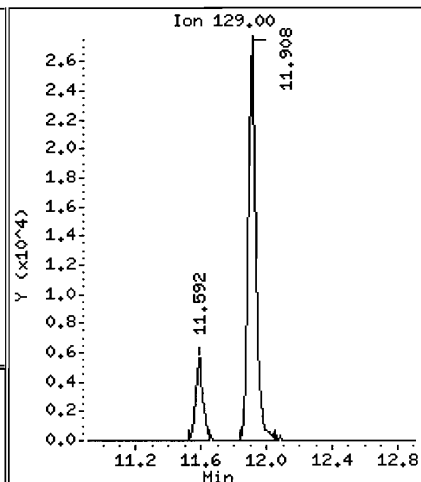
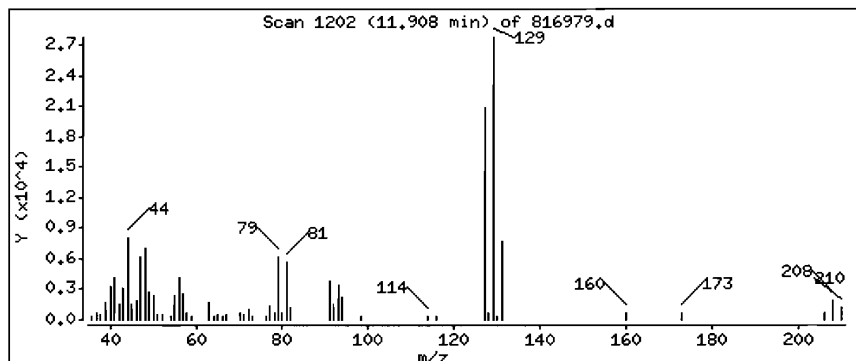
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

48 Dibromochloromethane

Concentration: 1.1 ug/L



Data File: /chem/M.i/Msvr.p/maoasmtr.b/816979.d

Page 13

Date : 19-JAN-2010 13:31

Client ID: SB03 DUP

Instrument: M.i

Sample Info: ISCO SB03 DUPLICATE :I 101/07/10 @ (WATER)

Purge Volume: 25.0

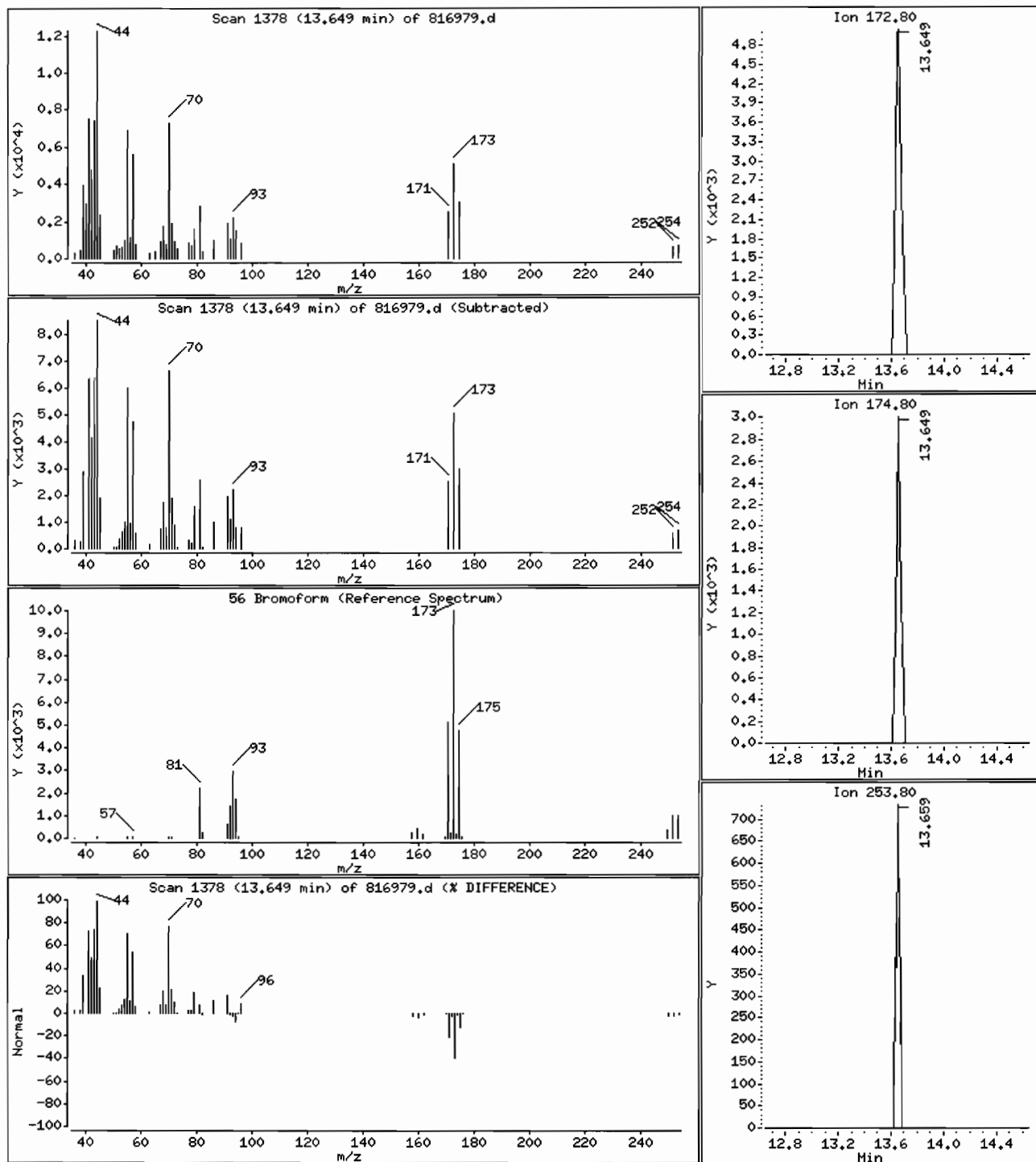
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

56 Bromoform

Concentration: 0.37 ug/L



Date : 19-JAN-2010 13:31

Client ID: SB03 DUP

Instrument: M.i

Sample Info: ISCO SB03 DUPLICATE :[101/07/10 @ (WATER)

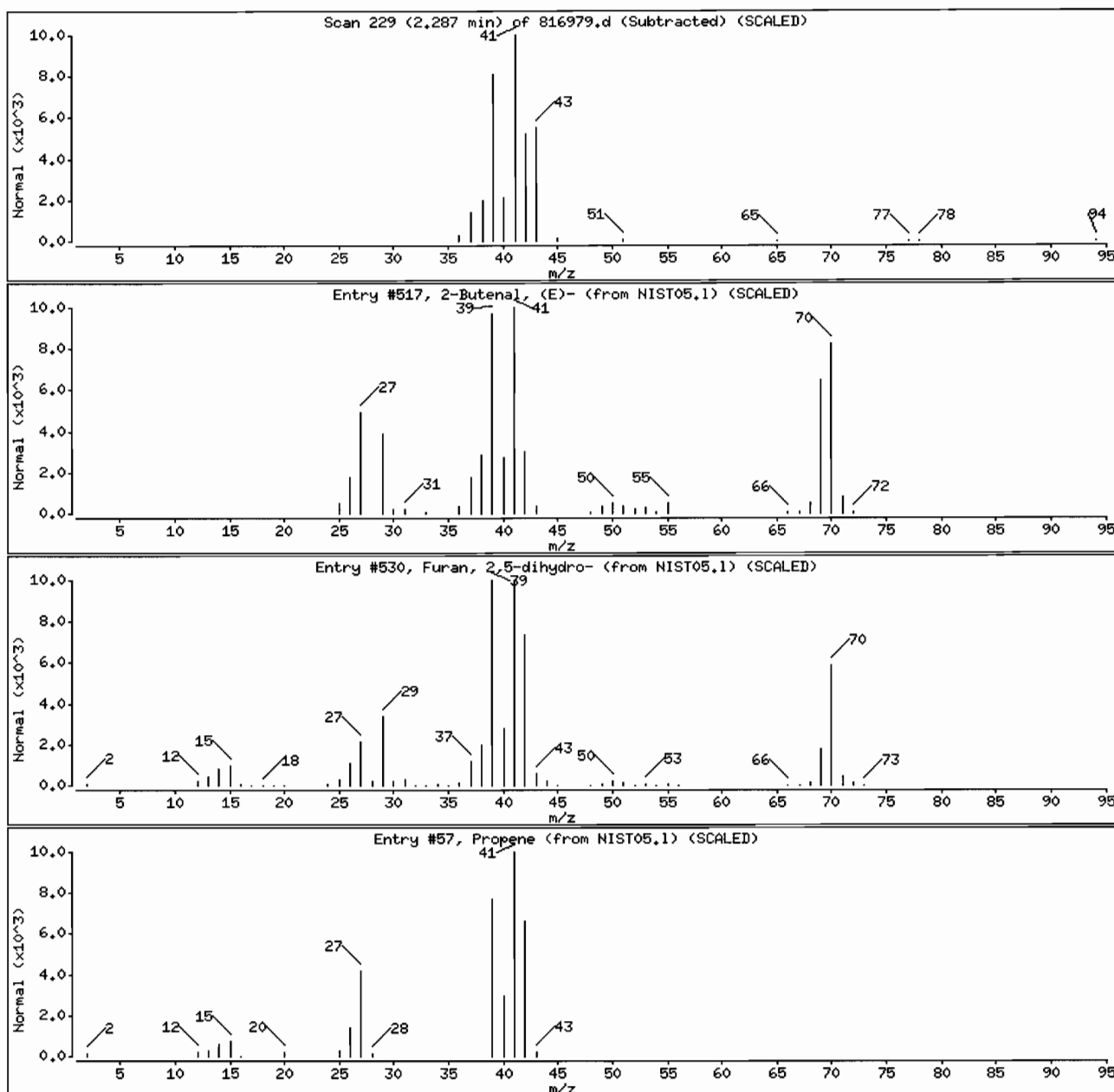
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Butenal, (E)-	123-73-9	NIST05.1	517	78	C4H6O	70
Furan, 2,5-dihydro-	1708-29-8	NIST05.1	530	64	C4H6O	70
Propene	115-07-1	NIST05.1	57	53	C3H6	42



Date : 19-JAN-2010 13:31

Client ID: SB03 DUP

Instrument: M.i

Sample Info: ISCO SB03 DUPLICATE :I 101/07/10 @ (WATER)

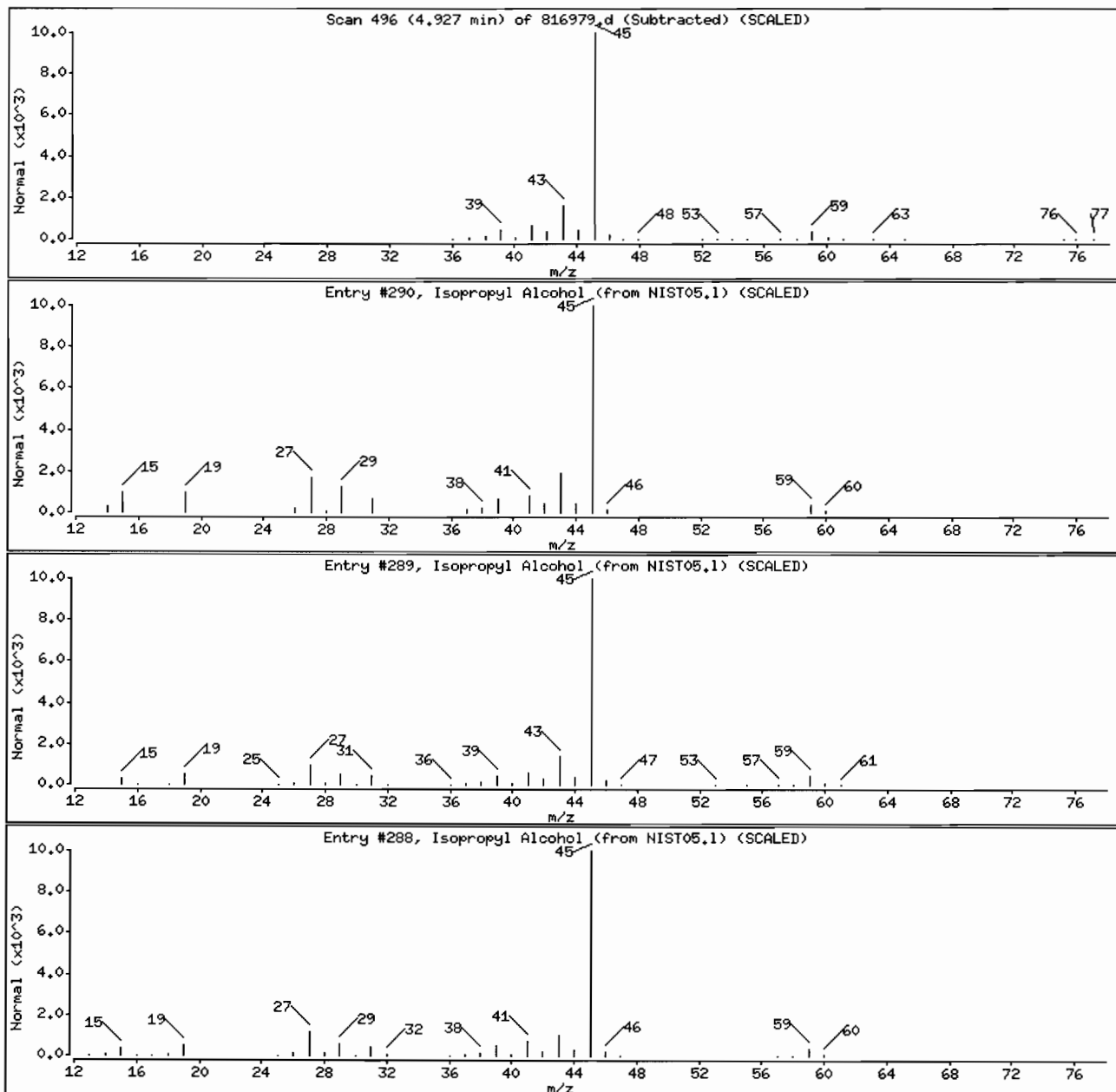
Purge Volume: 25.0

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	290	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	289	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	288	72	C3H8O	60



Date : 19-JAN-2010 13:31

Client ID: SB03 DUP

Instrument: M.i

Sample Info: ISCO SB03 DUPLICATE :I 101/07/10 @ (WATER)

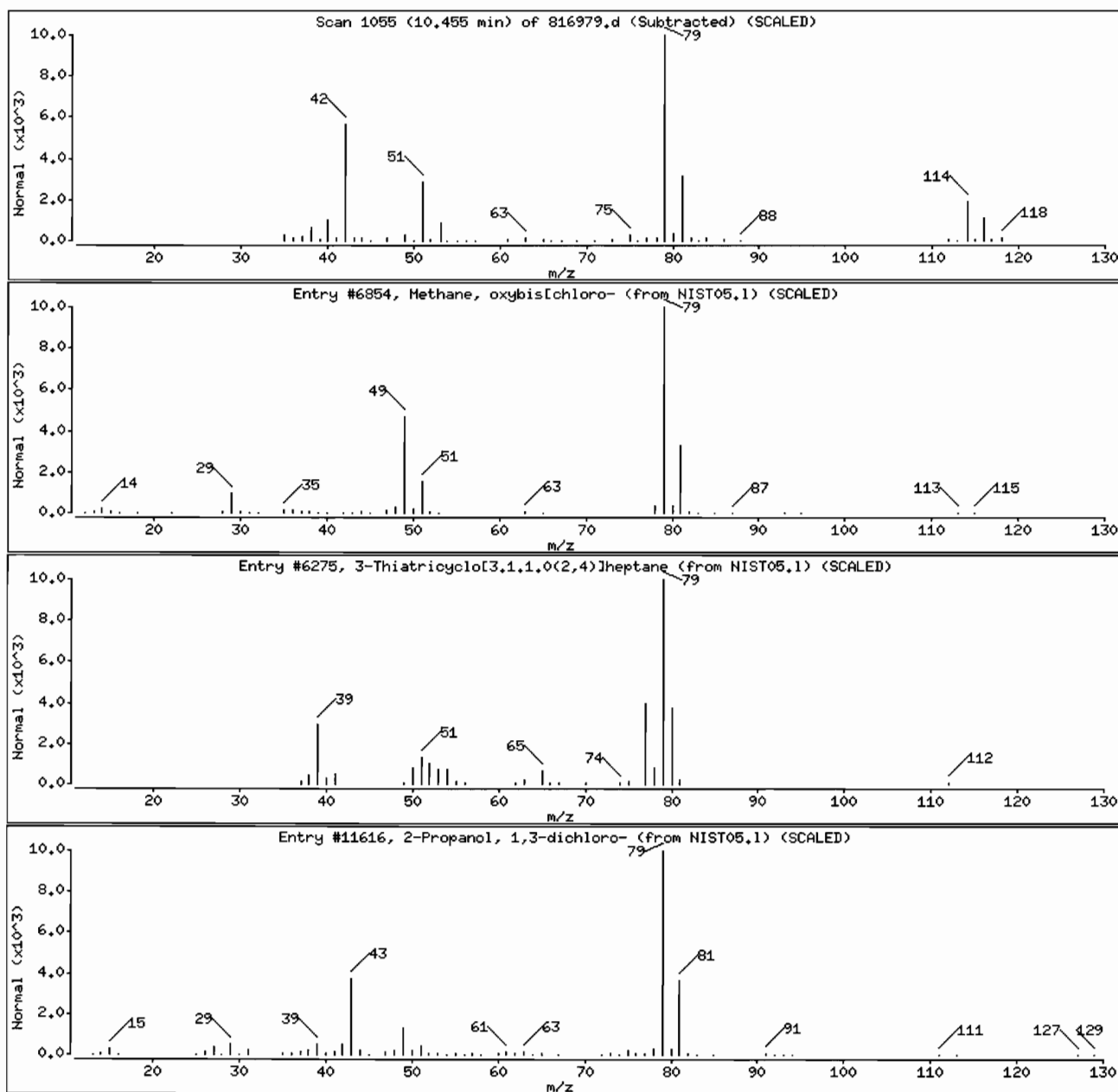
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
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	25	C3H6Cl2O	128



Date : 19-JAN-2010 13:31

Client ID: SB03 DUP

Instrument: M.i

Sample Info: ISCO SB03 DUPLICATE :[101/07/10 @ (WATER)

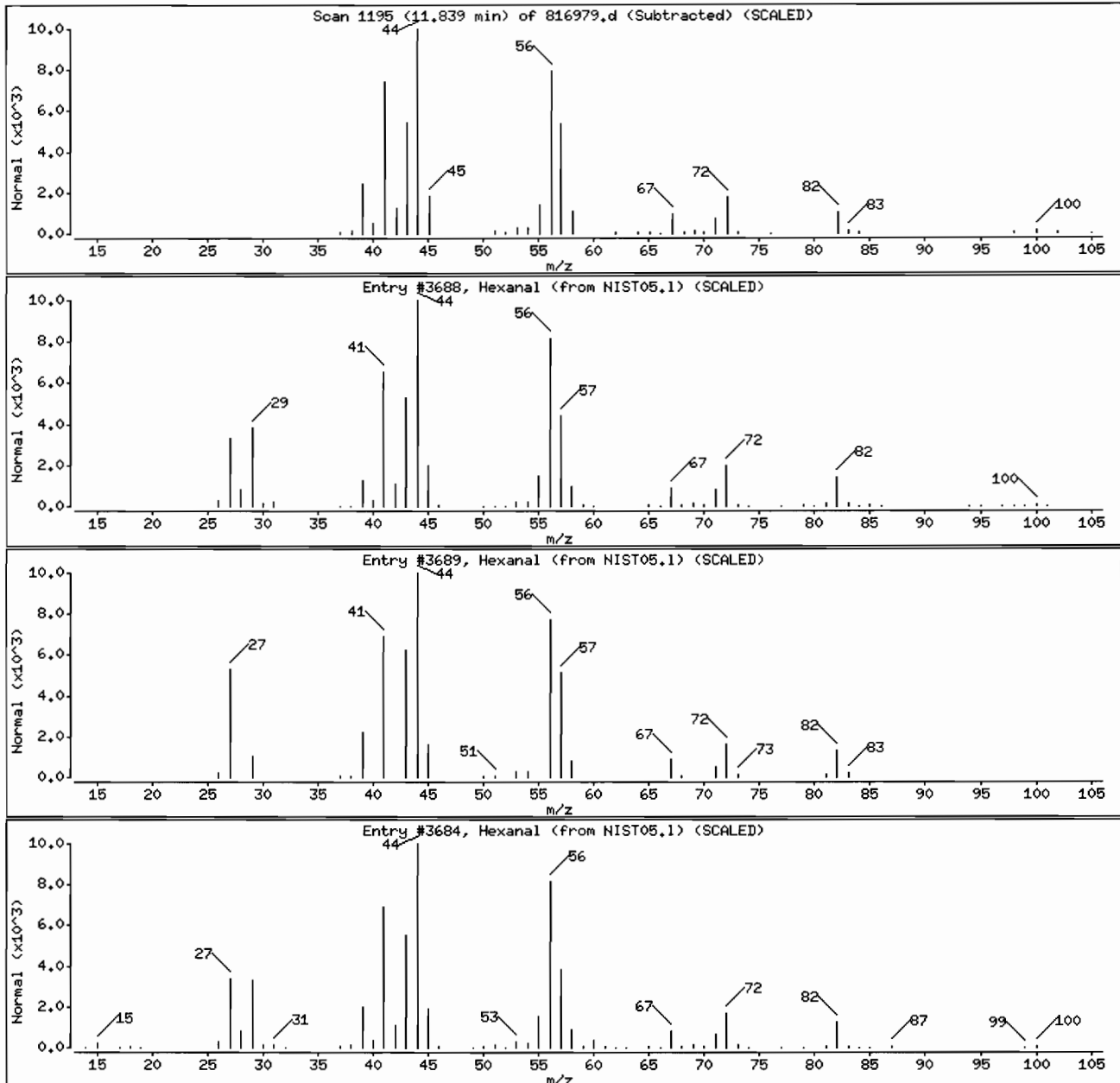
Purge Volume: 25.0

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	NIST05.1	3688	90	C ₆ H ₁₂ O	100
Hexanal	66-25-1	NIST05.1	3689	78	C ₆ H ₁₂ O	100
Hexanal	66-25-1	NIST05.1	3684	72	C ₆ H ₁₂ O	100



Date : 19-JAN-2010 13:31

Client ID: SB03 DUP

Instrument: M.i

Sample Info: ISCO SB03 DUPLICATE :I 101/07/10 @ (WATER)

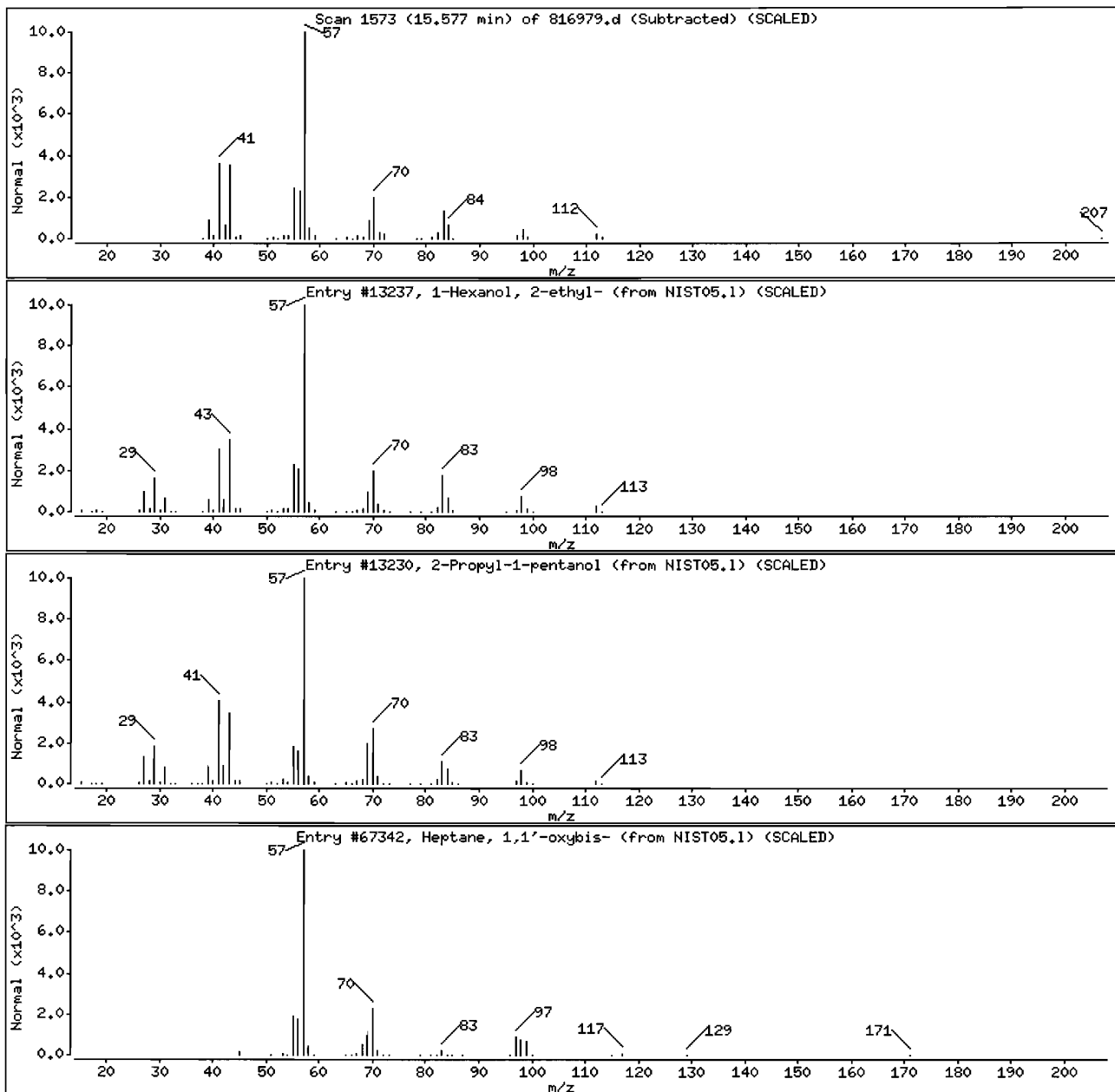
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Hexanol, 2-ethyl-	104-76-7	NIST05.1	13237	78	C8H18O	130
2-Propyl-1-pentanol	58175-57-8	NIST05.1	13230	64	C8H18O	130
Heptane, 1,1'-oxybis-	629-64-1	NIST05.1	67342	59	C14H30O	214



Date : 19-JAN-2010 13:31

Client ID: SB03 DUP

Instrument: M.i

Sample Info: ISCO SB03 DUPLICATE :[101/07/10 @ (WATER)

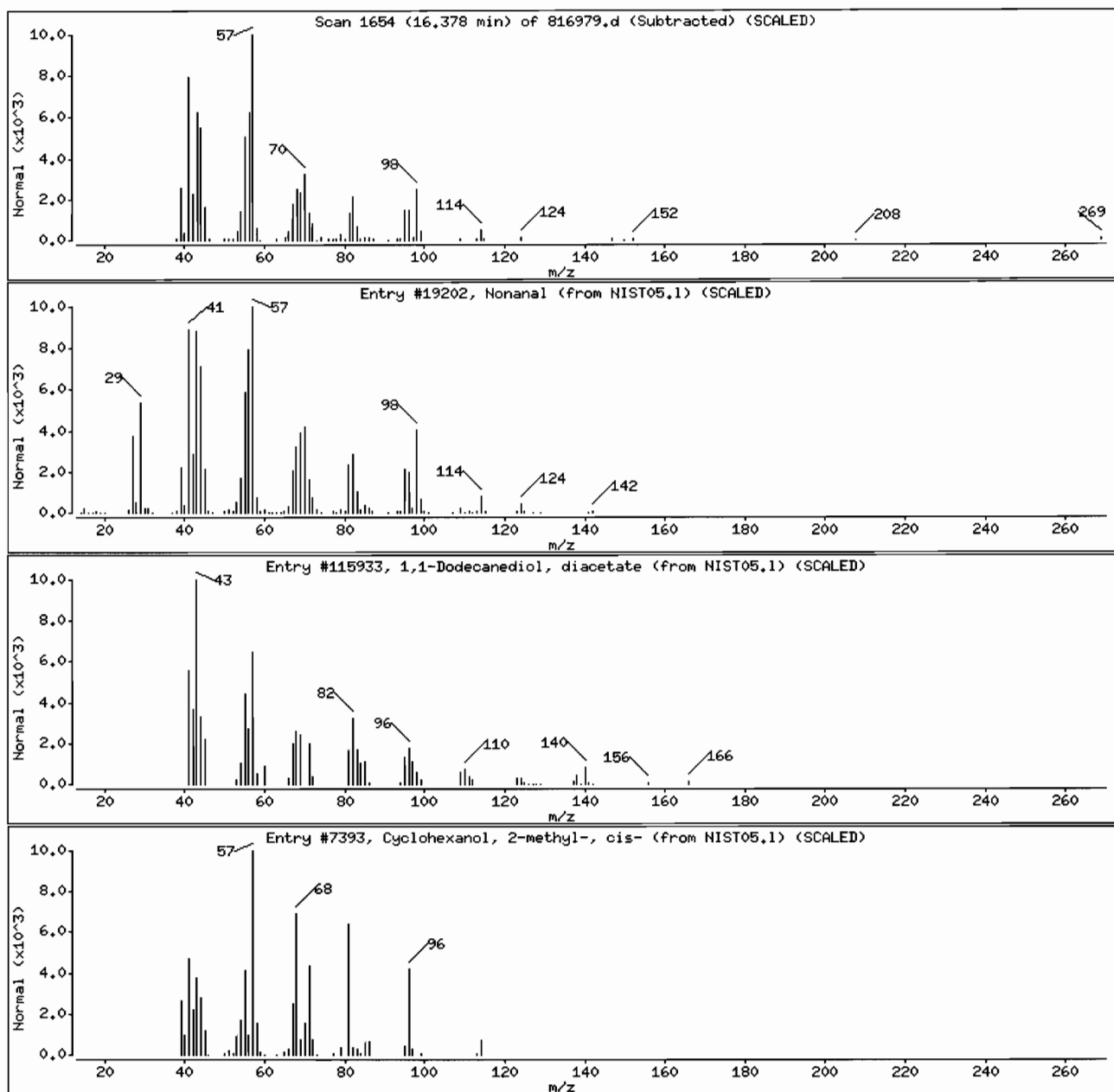
Purge Volume: 25.0

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	91	C9H18O	142
1,1-Dodecanediol, diacetate	56438-07-4	NIST05.1	115933	27	C16H30O4	286
Cyclohexanol, 2-methyl-, cis-	7443-70-1	NIST05.1	7393	27	C7H14O	114



Date : 19-JAN-2010 13:31

Client ID: SB03 DUP

Instrument: M.i

Sample Info: ISCO SB03 DUPLICATE :[101/07/10 @ (WATER)

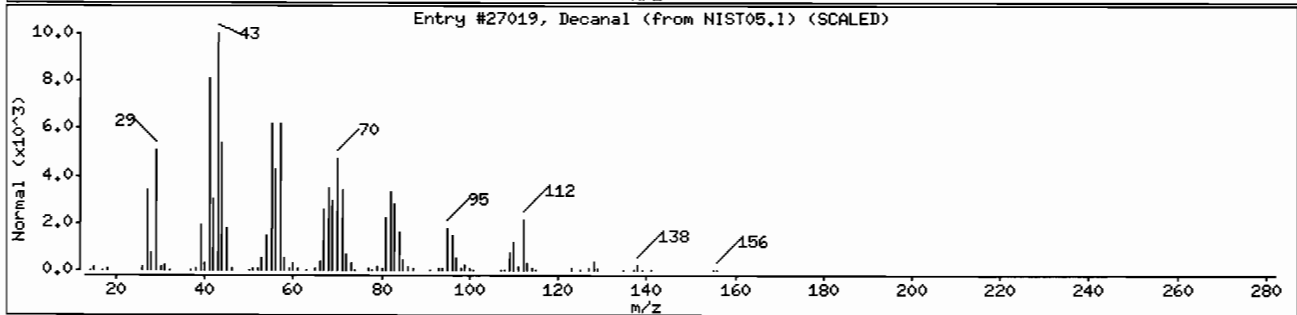
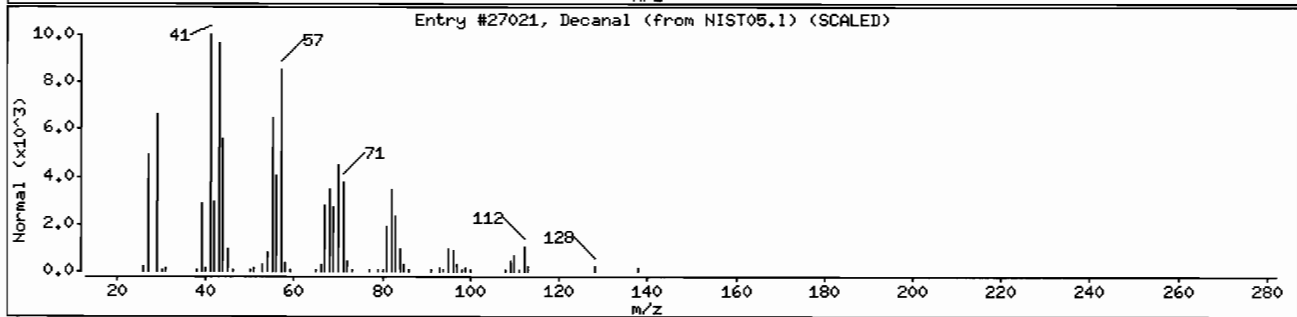
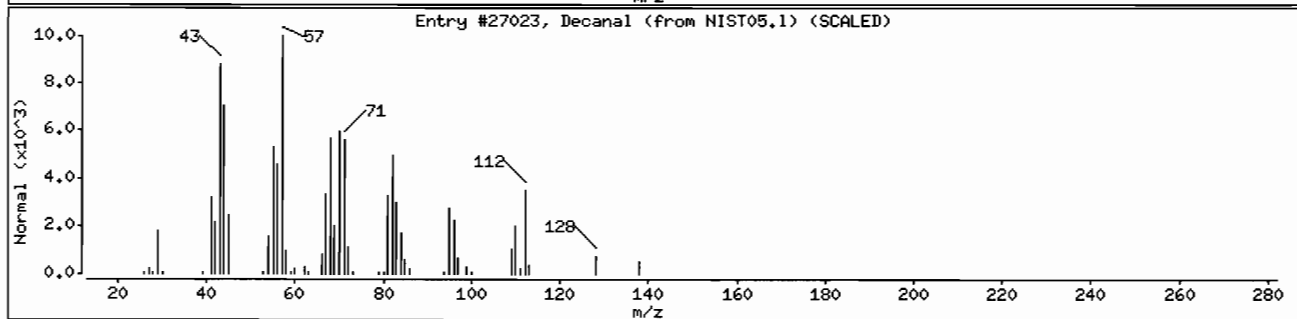
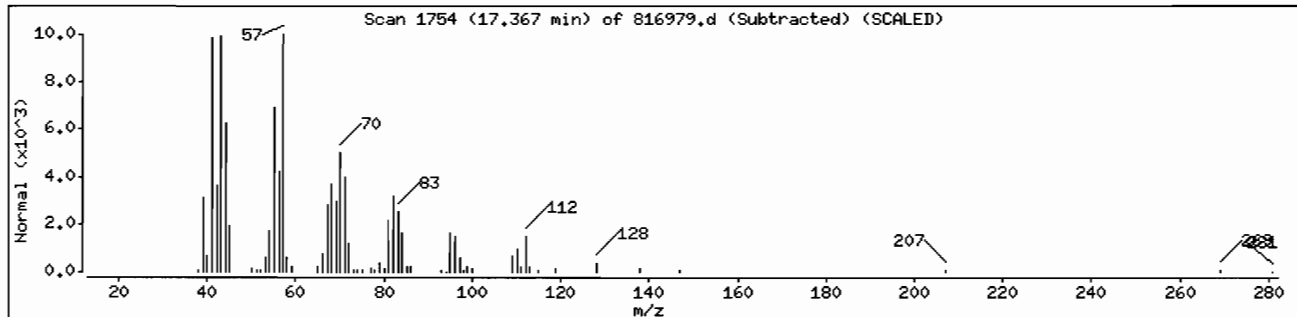
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decanal	112-31-2	NIST05.1	27023	91	C10H20O	156
Decanal	112-31-2	NIST05.1	27021	91	C10H20O	156
Decanal	112-31-2	NIST05.1	27019	90	C10H20O	156

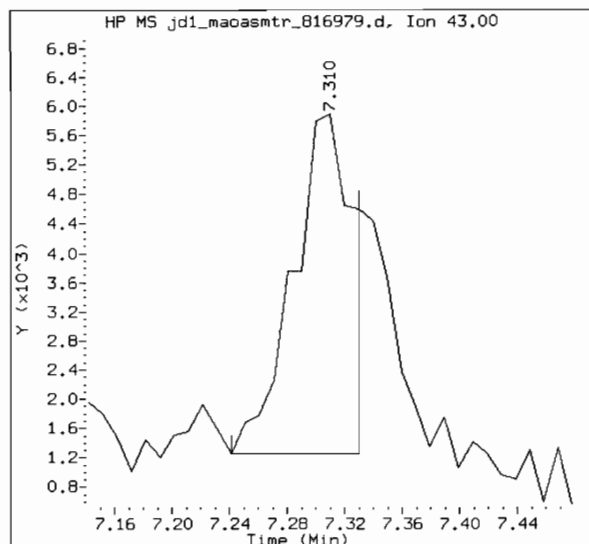


MANUAL INTEGRATION REPORT

Data File Name: 816979.d
Client Sample ID: SB03 DUP
Compound Name: 2-Butanone

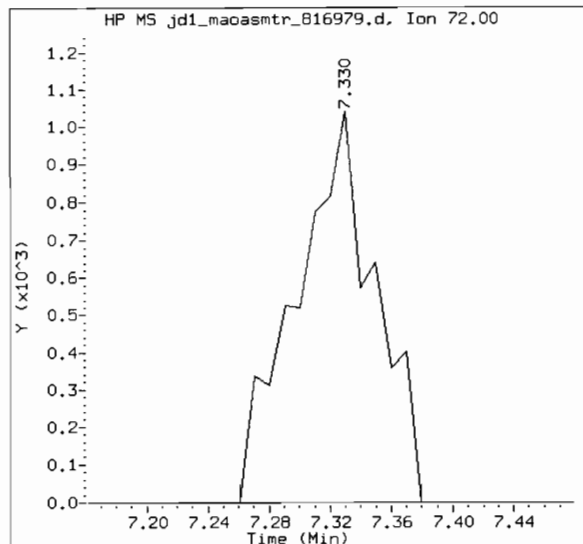
Inj. Date and Time: 19-JAN-2010 13:31
Instrument ID: M.i
CAS #: 78-93-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 01/27/2010 13:47

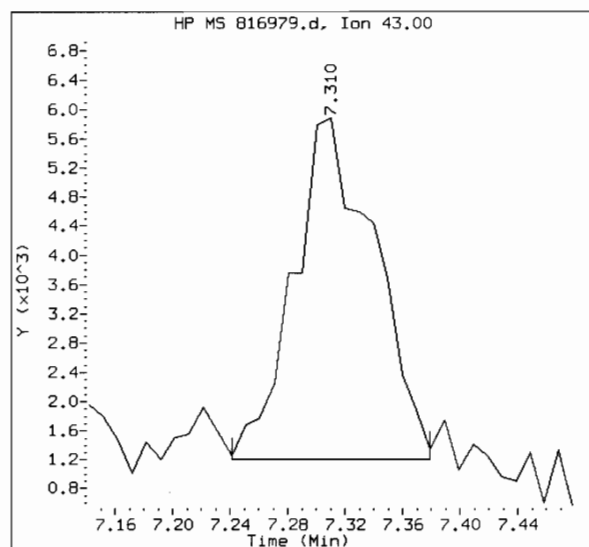


Original Integrations:

Area = 13595

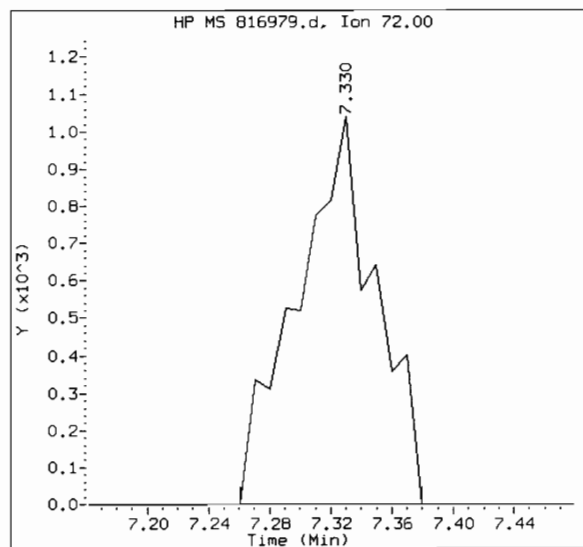


Area = 3739



Final Integrations:

Area = 18365



Area = 3739

Manual Integration Reason: M11 - Poor automated baseline

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

EPA SAMPLE NO.

SB03 EQUIP

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816980

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816980I2

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% 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	99	
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	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.

SB03 EQUIP

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816980

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816980I2

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% 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.

SB03 EQUIP

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816980

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816980I2

Level: (TRACE or LOW/MED) TRACE

Date Received: 01/08/2010

% 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)

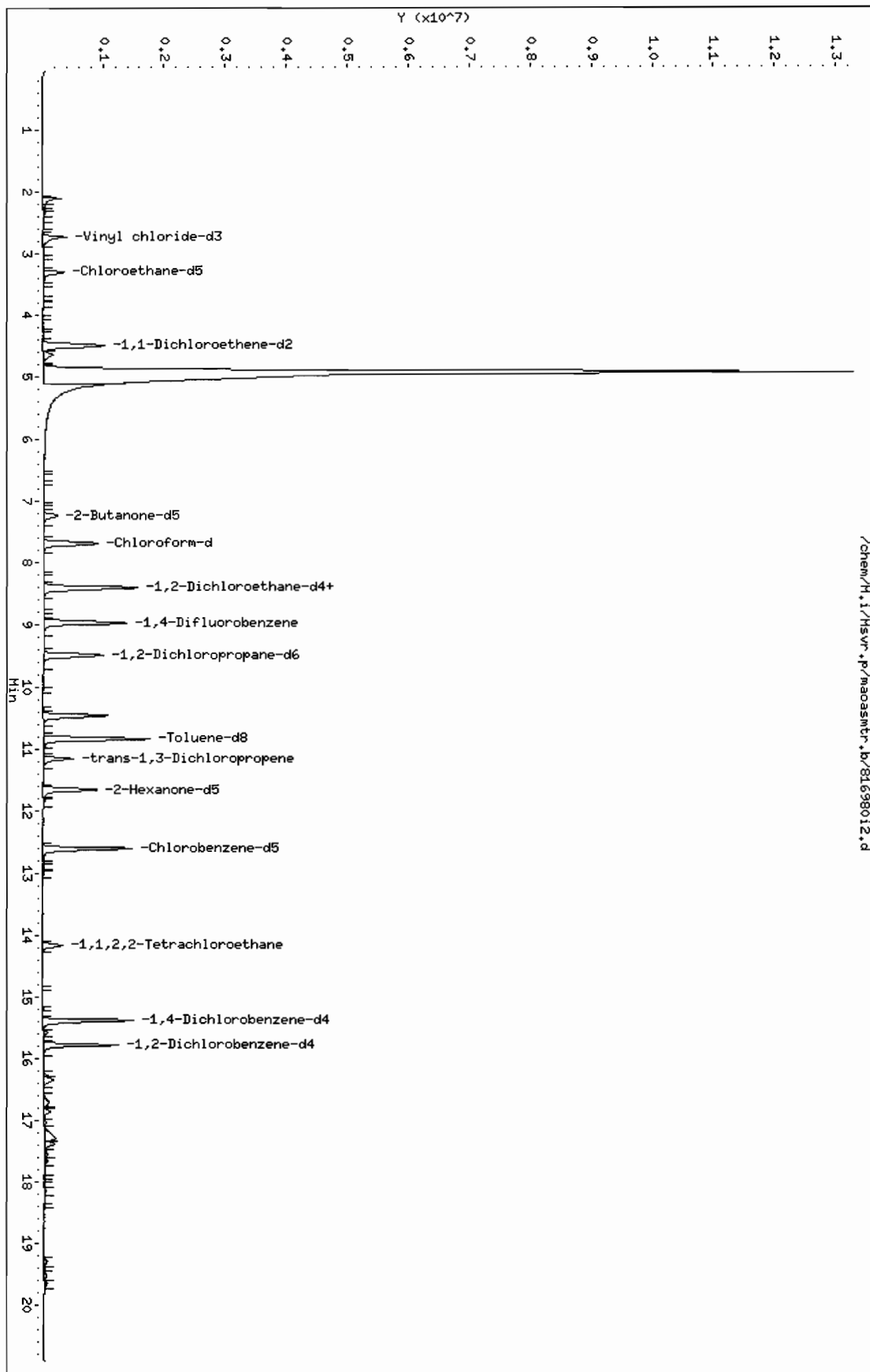
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	4.93	76	J
02		Unknown	10.45	3.6	JXB
03		Unknown	16.70	0.62	J
04		Unknown	17.28	1.5	J
05		Unknown	17.37	0.72	J
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A	0.78	J

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/macosmtr.b/81698012.d
Date: 19-JAN-2010 14:34
Client ID: SB03 EQUIP
Sample Info: ISCO SB03 201-202 :L 101/07/10 @0945(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: HKV
Column diameter: 0.53



Data File: /chem/M.i/Msvr.p/maoasmtr.b/816980i2.d
Report Date: 27-Jan-2010 13:47

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/816980i2.d
Lab Smp Id: 816980 Client Smp ID: SB03 EQUIP
Inj Date : 19-JAN-2010 14:34
Operator : MRV Inst ID: M.i
Smp Info : ISCO SB03 201-202 : [] 01/07/10 @0945(WATER)
Misc Info : 816975,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 27-Jan-2010 13:46 jdl Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 13
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	FINAL
							(ug/L)	(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)	891841	4.82663	4.8
4 Vinyl chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chloroethane-d5	69		3.290	3.294	(0.367)	747150	5.15289	5.2
7 Chloroethane	64					Compound Not Detected.		
8 Trichlorofluoromethane	101					Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63		4.487	4.480	(0.500)	1720475	4.28728	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		4.635	4.629	(0.517)	494308	99.1537	99
13 Carbon disulfide	76		4.862	4.856	(0.542)	114001	0.26108	0.26 (a)
14 Methyl acetate	43					Compound Not Detected.		

						CONCENTRATIONS	
QUANT SIG						ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(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	7.235	7.229	(0.807)	699013	53.7362	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	7.690	7.684	(0.858)	1377553	5.15857	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	8.392	8.386	(0.936)	412676	4.86625	4.9 (Q)
\$ 29 Benzene-d6	84	8.402	8.396	(0.667)	2078550	5.05665	5.1
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	8.965	8.960	(1.000)	1977945	5.00000	
33 Trichloroethene	95	Compound Not Detected.					
\$ 34 1,2-Dichloropropane-d6	67	9.479	9.484	(0.753)	979409	4.70038	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	10.824	10.829	(0.859)	2145669	5.03214	5.0
41 Toluene	91	Compound Not Detected.					
\$ 42 trans-1,3-Dichloropropene-d4	79	11.141	11.145	(0.885)	509306	4.96909	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	11.645	11.649	(0.925)	739253	53.4303	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	12.594	12.599	(1.000)	1482019	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	14.161	(1.124)	359952	4.93384	4.9
59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61 1,4-Dichlorobenzene-d4	152	15.383	15.387	(1.000)	691003	5.00000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.778	15.783	(1.026)	522976	4.93222	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

- 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/816980i2.d
Lab Smp Id: 816980 Client Smp ID: SB03 EQUIP
Inj Date : 19-JAN-2010 14:34
Operator : MRV Inst ID: M.i
Smp Info : ISCO SB03 201-202 :[]01/07/10 @0945(WATER)
Misc Info : 816975,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 27-Jan-2010 13:46 jdl Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 13
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	8.965	5226415	5.000
* 61 1,4-Dichlorobenzene-d4	15.383	4728801	5.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
4.932	79565282	76.1184076	76	0		0	32
Unknown					CAS #:		
10.448	3733718	3.57196803	3.6	0		0	32

Data File: /chem/M.i/Msvr.p/maoasmtr.b/816980i2.d
Report Date: 27-Jan-2010 13:47

Page 5

RT	CONCENTRATIONS			QUAL	QUANT		CPND #
	AREA	ON-COL(ug/L)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown alkane					CAS #:		
16.342	742300	0.78487109	0.78	0		0	61
Unknown					CAS #:		
16.698	584511	0.61803295	0.62	0		0	61
Unknown					CAS #:		
17.281	1397510	1.47765783	1.5	0		0	61
Unknown					CAS #:		
17.370	683724	0.72293604	0.72	0		0	61

Data File: /chem/M.i/Msvr.p/maoasmt.r/b/816980i2.d

Page 7

Date : 19-JAN-2010 14:34

Client ID: SB03 EQUIP

Instrument: M.i

Sample Info: ISCO SB03 201-202 ;I 101/07/10 @0945(WATER)

Purge Volume: 25.0

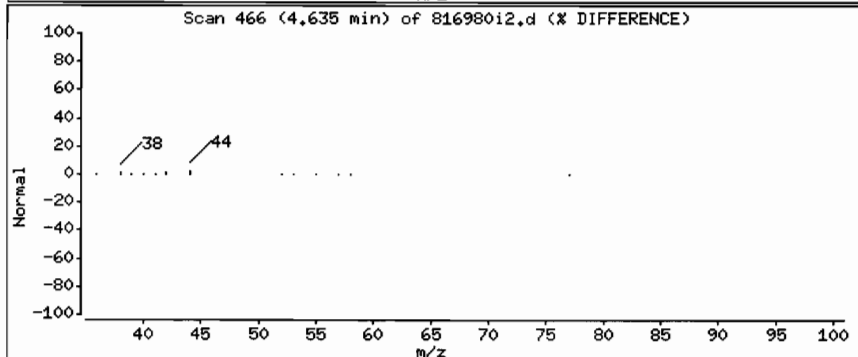
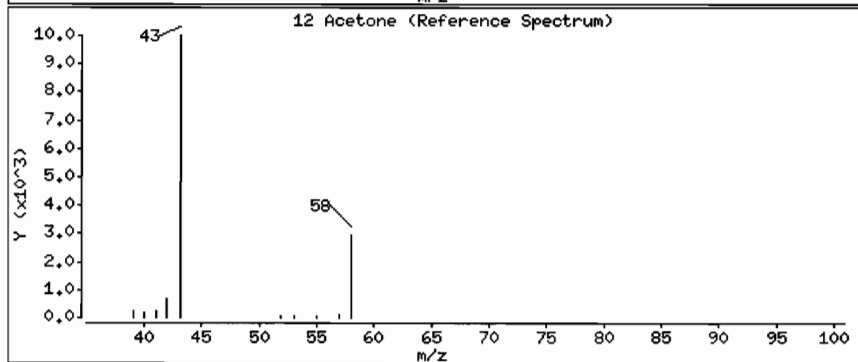
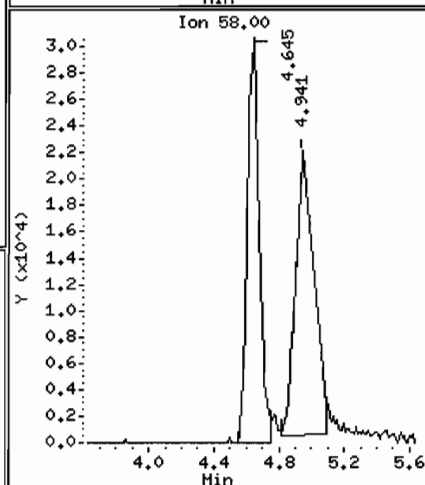
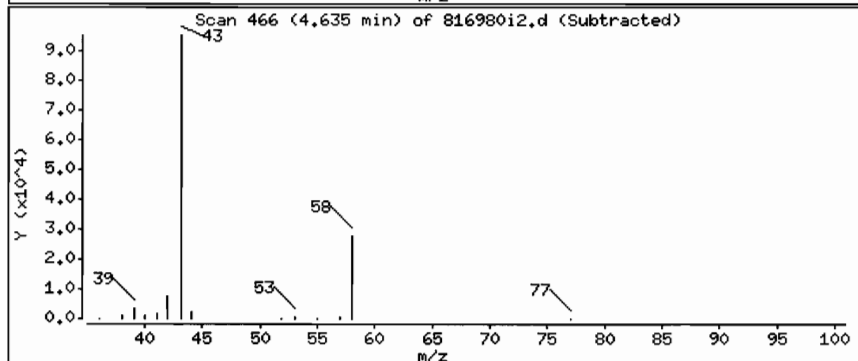
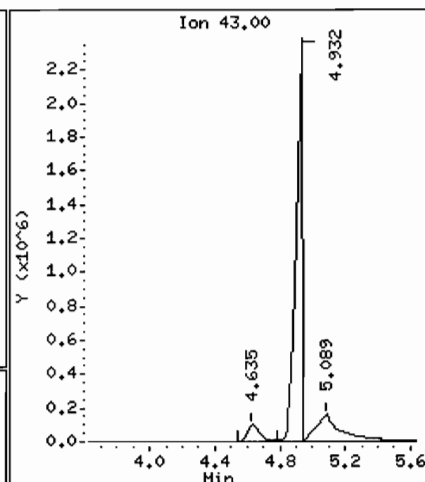
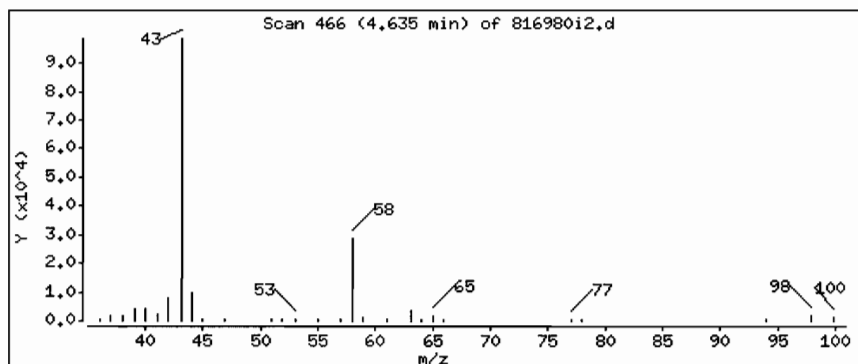
Operator: MRV

Column phase: DB-624

Column diameter: 0.53

12 Acetone

Concentration: 99 ug/L



Data File: /chem/M.i/Msvr.p/maoasmtr.b/816980i2.d

Page 8

Date : 19-JAN-2010 14:34

Client ID: SB03 EQUIP

Instrument: M.i

Sample Info: ISCO SB03 201-202 ;[101/07/10 @0945(WATER)

Purge Volume: 25.0

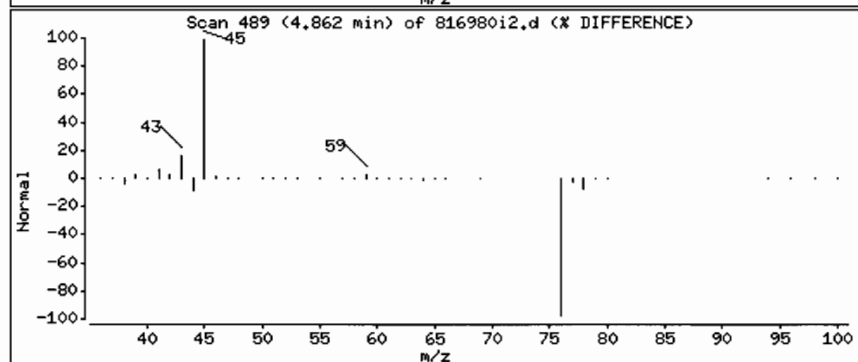
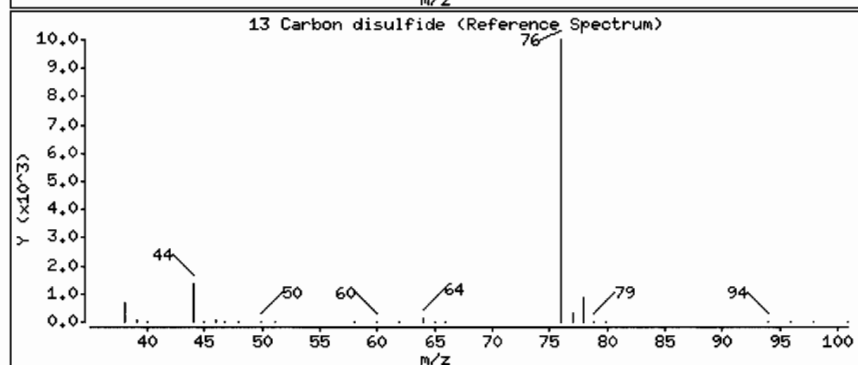
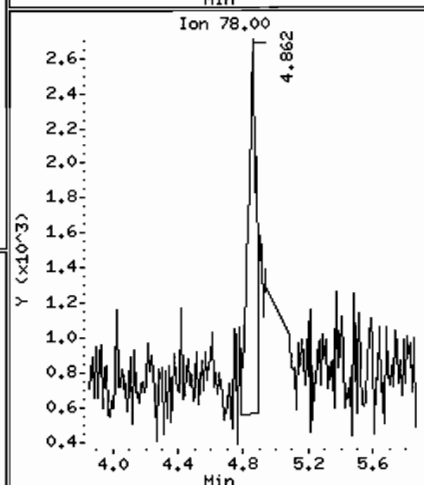
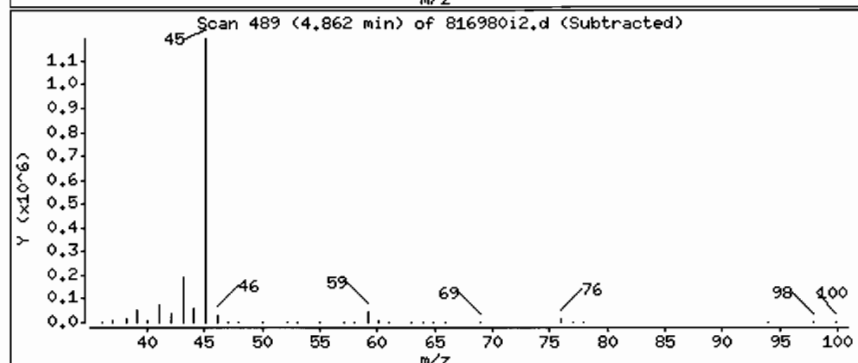
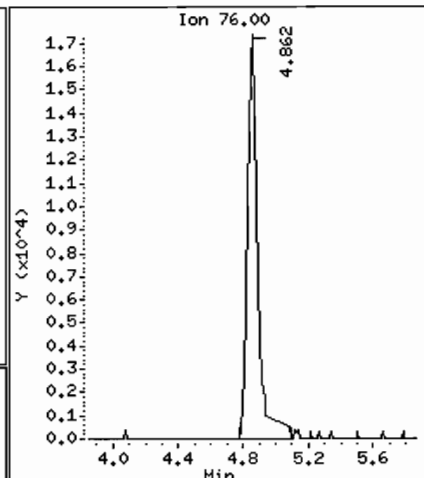
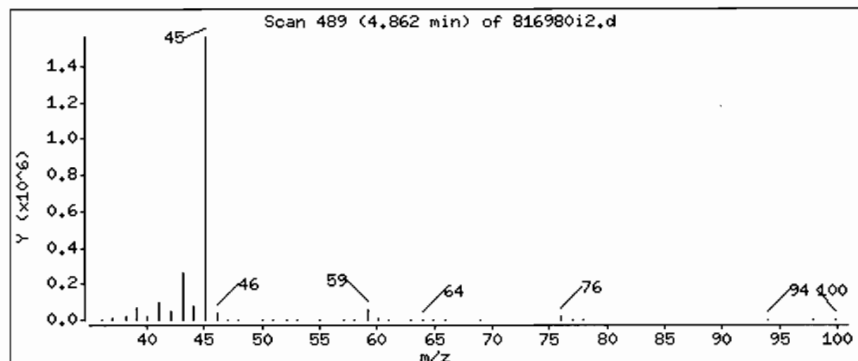
Operator: HRV

Column phase: DB-624

Column diameter: 0.53

13 Carbon disulfide

Concentration: 0.26 ug/L



Date : 19-JAN-2010 14:34

Client ID: SB03 EQUIP

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

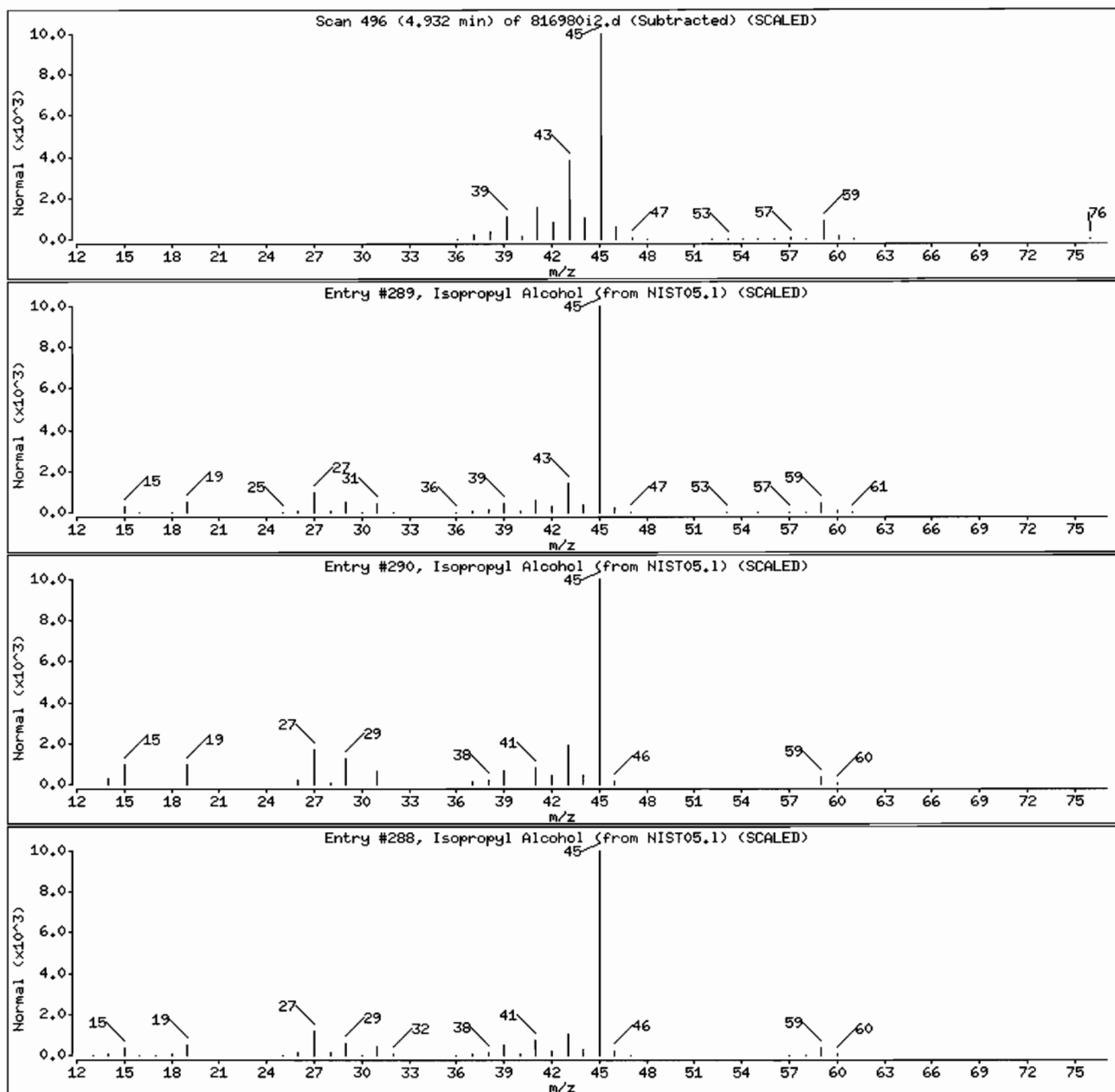
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Isopropyl Alcohol	67-63-0	NIST05.1	289	10	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	290	10	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	288	7	C3H8O	60



Date : 19-JAN-2010 14:34

Client ID: SB03 EQUIP

Instrument: H.i

Sample Info: ISCO SB03 201-202 :[101/07/10 @0945(WATER)

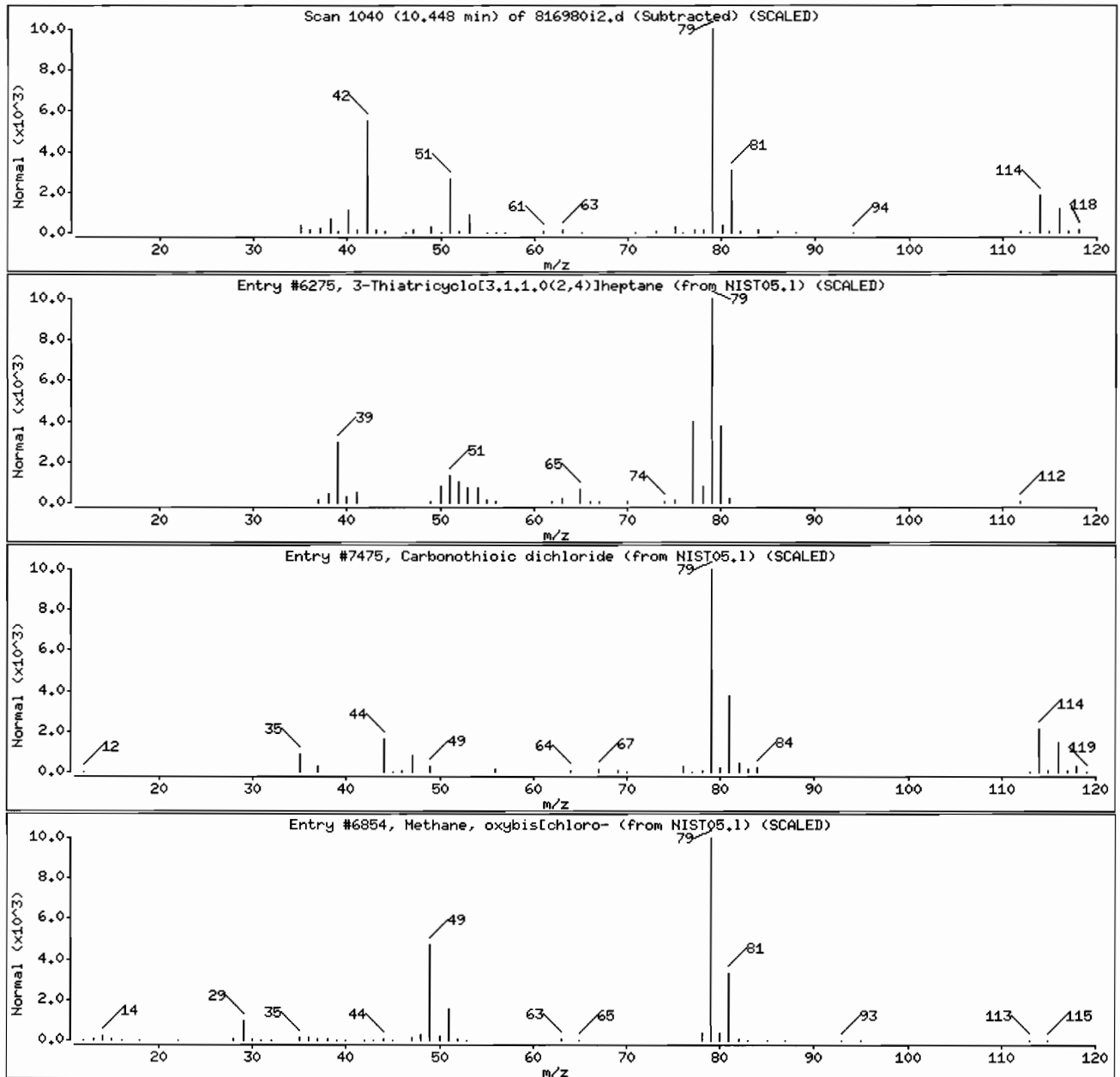
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

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



Date : 19-JAN-2010 14:34

Client ID: SB03 EQUIP

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[101/07/10 00945(WATER)

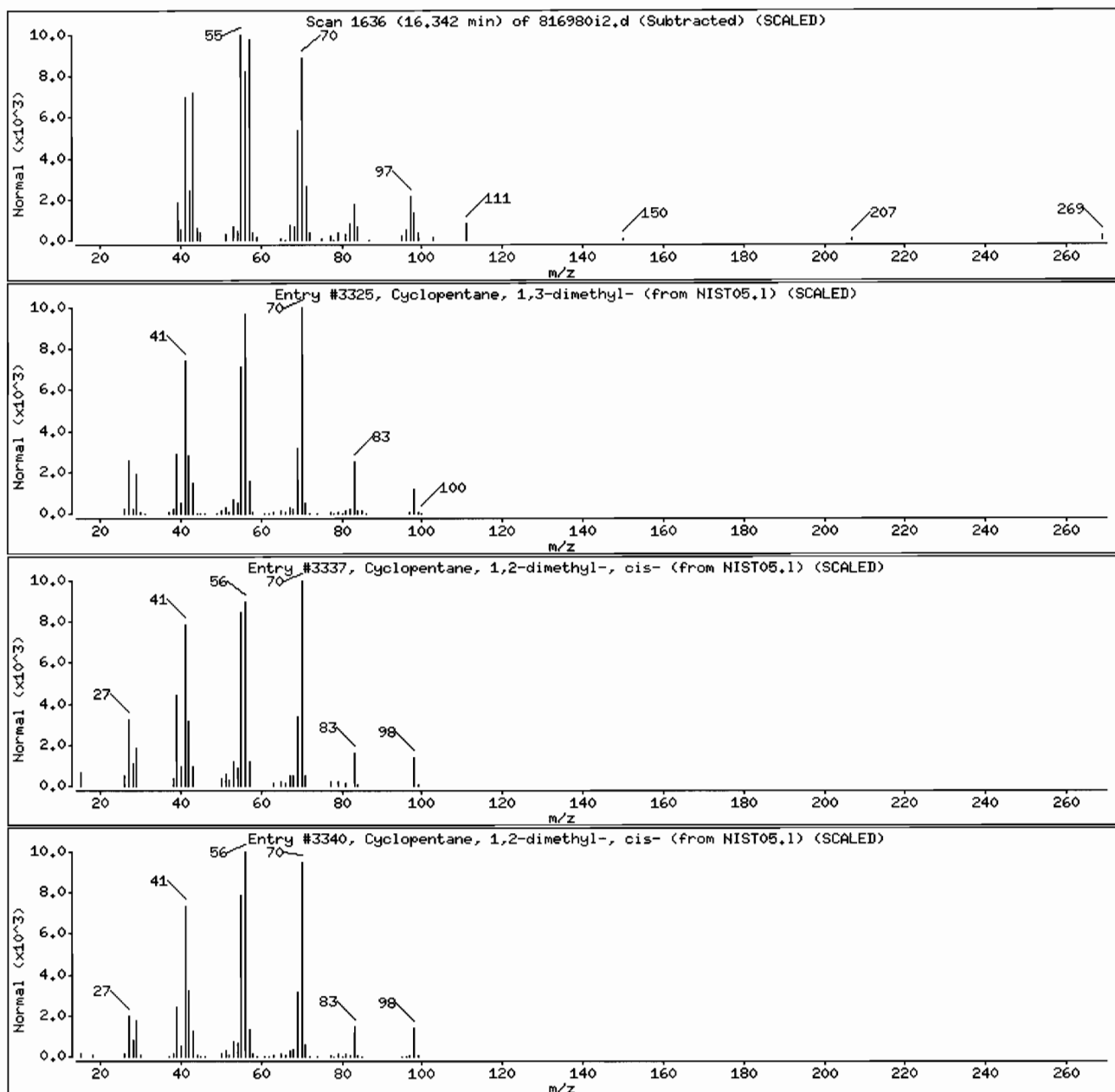
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Cyclopentane, 1,3-dimethyl-	2453-00-1	NIST05.1	3325	68	C7H14	98
Cyclopentane, 1,2-dimethyl-, cis-	1192-18-3	NIST05.1	3337	64	C7H14	98
Cyclopentane, 1,2-dimethyl-, cis-	1192-18-3	NIST05.1	3340	64	C7H14	98



Date : 19-JAN-2010 14:34

Client ID: SB03 EQUIP

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[J01/07/10 @0945(WATER)

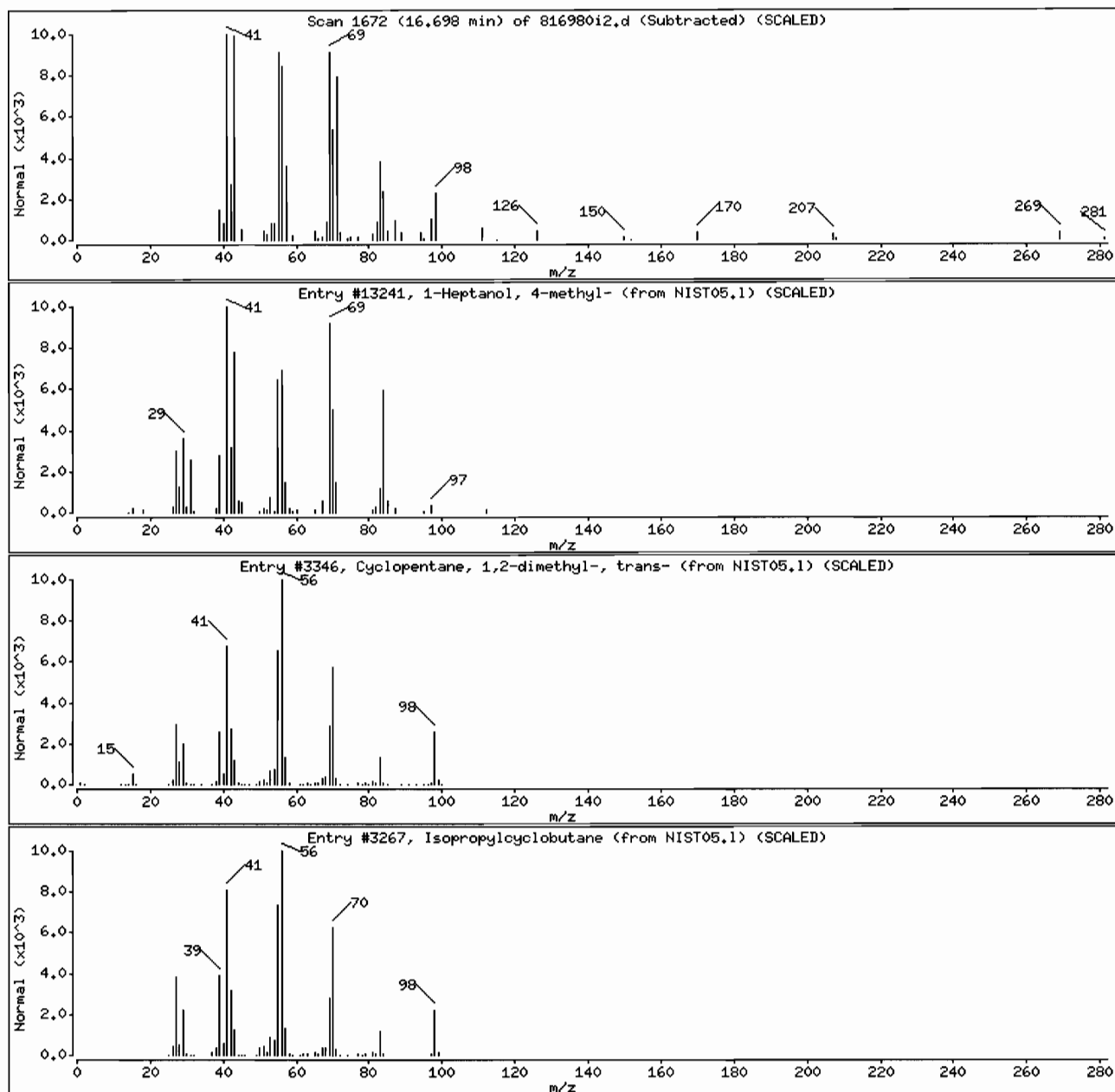
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Heptanol, 4-methyl-	817-91-4	NIST05.1	13241	49	C8H18O	130
Cyclopentane, 1,2-dimethyl-, trans-	822-50-4	NIST05.1	3346	30	C7H14	98
Isopropylcyclobutane	872-56-0	NIST05.1	3267	30	C7H14	98



Date : 19-JAN-2010 14:34

Client ID: SB03 EQUIP

Instrument: M.i

Sample Info: ISCO SB03 201-202 :[J01/07/10 @0945(WATER)

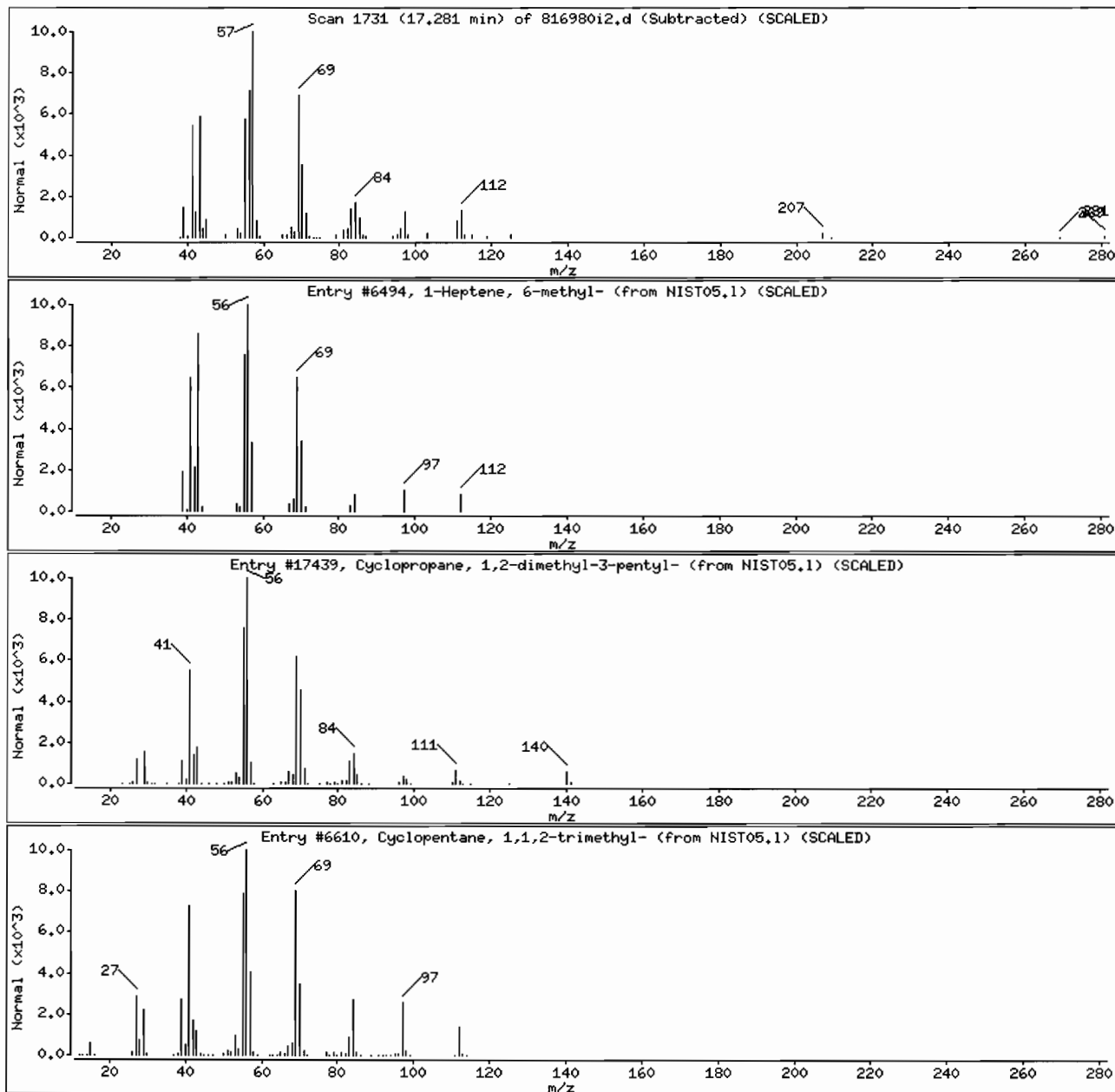
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Heptene, 6-methyl-	5026-76-6	NIST05.1	6494	70	C ₈ H ₁₆	112
Cyclopropane, 1,2-dimethyl-3-pentyl-	62238-05-5	NIST05.1	17439	53	C ₁₀ H ₂₀	140
Cyclopentane, 1,1,2-trimethyl-	4259-00-1	NIST05.1	6610	52	C ₈ H ₁₆	112



Date : 19-JAN-2010 14:34

Client ID: SB03 EQUIP

Instrument: M.i

Sample Info: ISCO SB03 201-202 ;[101/07/10 @0945(WATER)

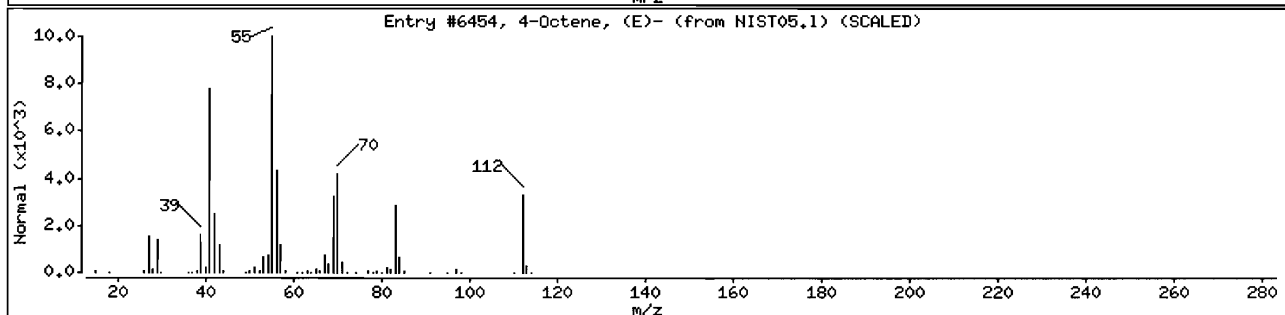
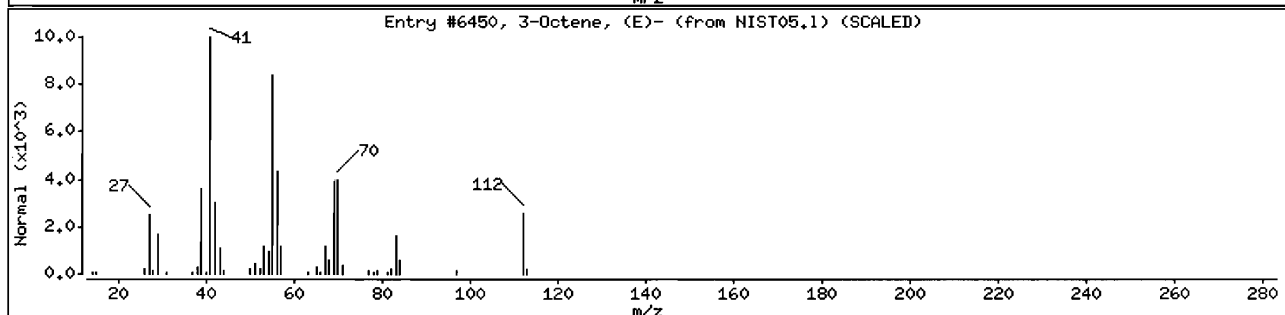
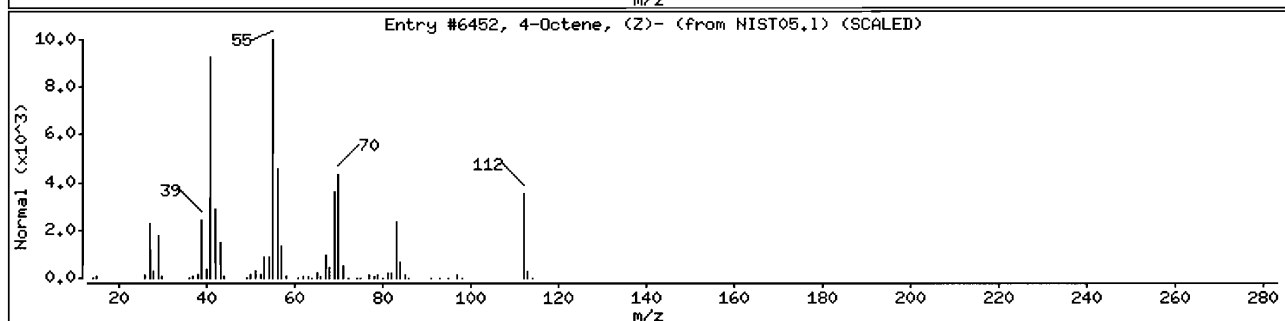
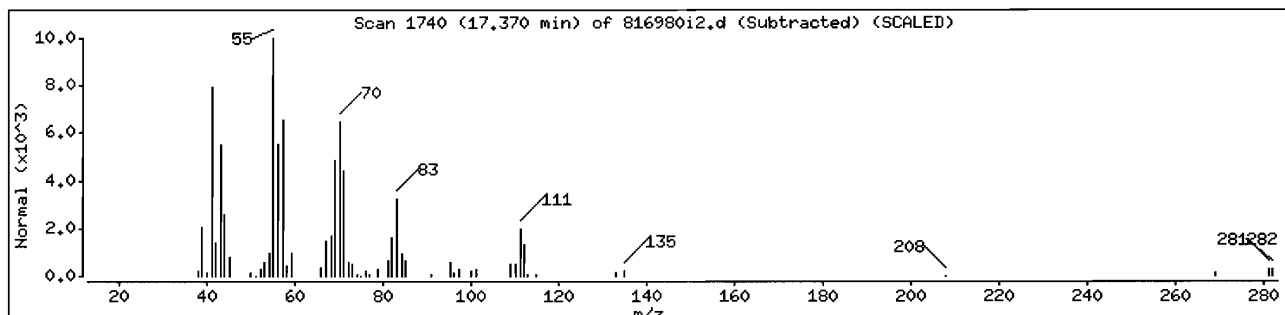
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
4-Octene, (Z)-	7642-15-1	NIST05.1	6452	60	C8H16	112
3-Octene, (E)-	14919-01-8	NIST05.1	6450	53	C8H16	112
4-Octene, (E)-	14850-23-8	NIST05.1	6454	53	C8H16	112



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

EPA SAMPLE NO.

TRIP BLANK

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816981

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816981I2

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% 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.

TRIP BLANK

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816981

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816981I2

Level: (TRACE/LOW/MED) TRACE

Date Received: 01/08/2010

% 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.

TRIP BLANK

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816981

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816981I2

Level: (TRACE or LOW/MED) TRACE

Date Received: 01/08/2010

% 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	=====	=====	=====	=====	=====
02		Unknown	10.45	3.5	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		

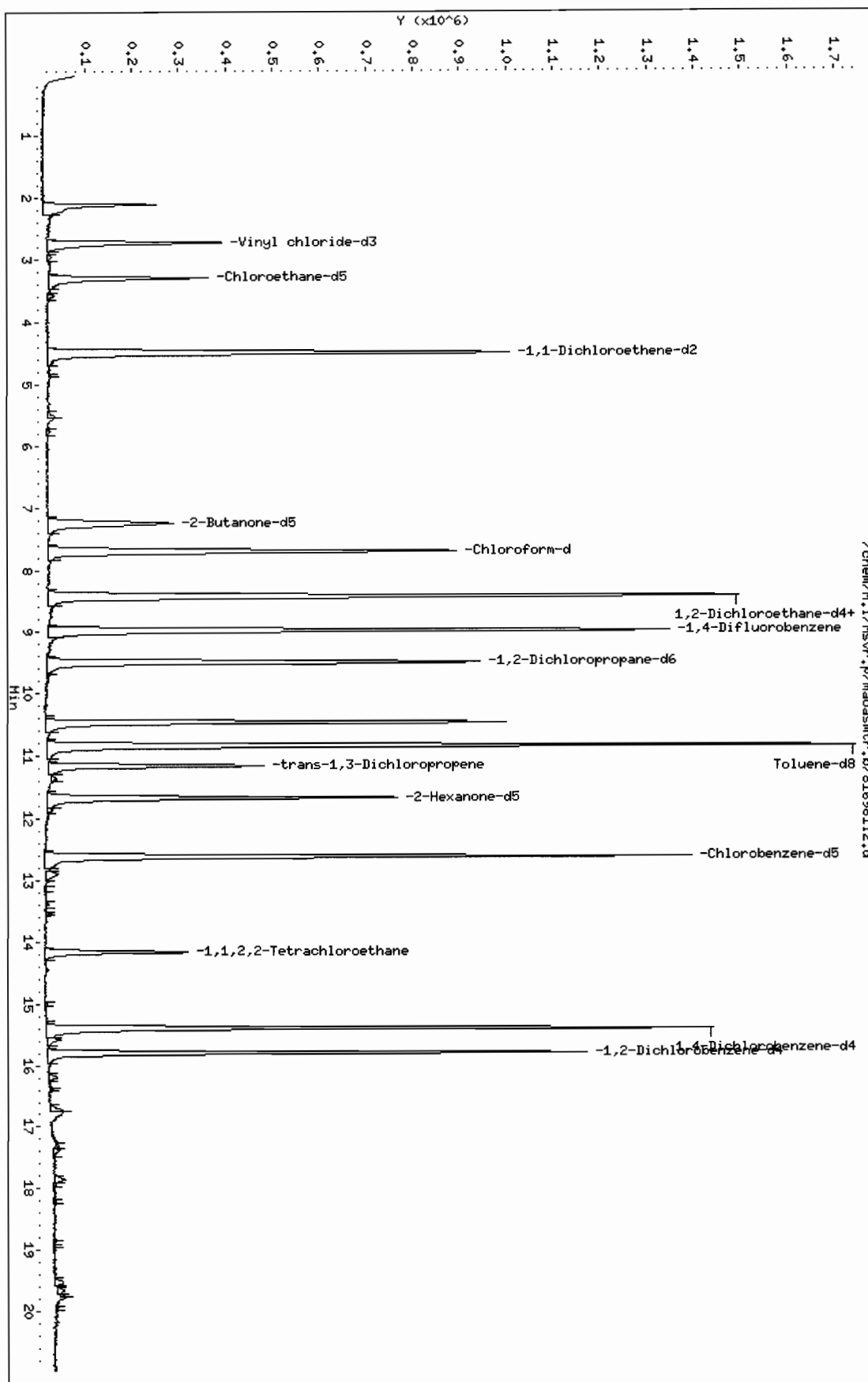
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/maasmtc.b/81698112.d
Date: 19-JAN-2010 11:24
Client ID: TRIP BLANK
Sample Info: TRIP BLANK : I 101/07/10 01600(WATER)
Purge Volume: 25.0
Column phase: DB-624

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

Page 5



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/816981i2.d
Lab Smp Id: 816981 Client Smp ID: TRIP BLANK
Inj Date : 19-JAN-2010 11:24
Operator : MRV Inst ID: M.i
Smp Info : TRIP BLANK :[]01/07/10 @1600(WATER)
Misc Info : 816981,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 27-Jan-2010 13:46 jdl 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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.712	2.720	(0.302)	901085	4.99264	5.0
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.286	3.294	(0.366)	745764	5.26565	5.3
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.482	4.480	(0.500)	1713686	4.37192	4.4
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	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)	602151	47.3909	47
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	7.696	7.684	(0.858)	1340156	5.13788	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)	388796	4.69369	4.7 (Q)
\$ 29 Benzene-d6	84	8.408	8.396	(0.667)	2018325	5.10416	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)	1931998	5.00000	
33 Trichloroethene	95		Compound Not Detected.				
\$ 34 1,2-Dichloropropane-d6	67	9.486	9.484	(0.752)	928995	4.63461	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	10.830	10.829	(0.859)	2103679	5.12861	5.1
41 Toluene	91		Compound Not Detected.				
\$ 42 trans-1,3-Dichloropropene-d4	79	11.157	11.145	(0.885)	476775	4.83551	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	11.661	11.649	(0.925)	628127	47.1925	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	12.610	12.599	(1.000)	1425684	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	14.163	14.161	(1.123)	331876	4.72875	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	15.389	15.387	(1.000)	639388	5.00000	
62 1,4-Dichlorobenzene	146		Compound Not Detected.				

Compounds		QUANT SIG					CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====		----	--	-----	-----	-----	-----	-----
\$ 63	1,2-Dichlorobenzene-d4	152	15.784	15.783	(1.026)	489889	4.99314	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/816981i2.d
Lab Smp Id: 816981 Client Smp ID: TRIP BLANK
Inj Date : 19-JAN-2010 11:24
Operator : MRV Inst ID: M.i
Smp Info : TRIP BLANK :[]01/07/10 @1600(WATER)
Misc Info : 816981,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 27-Jan-2010 13:46 jdl 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	8.971	5030390	5.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
10.455	3548500	3.52706245	3.5	0		0	32

Date : 19-JAN-2010 11:24

Client ID: TRIP BLANK

Instrument: M.i

Sample Info: TRIP BLANK :[101/07/10 @1600(WATER)

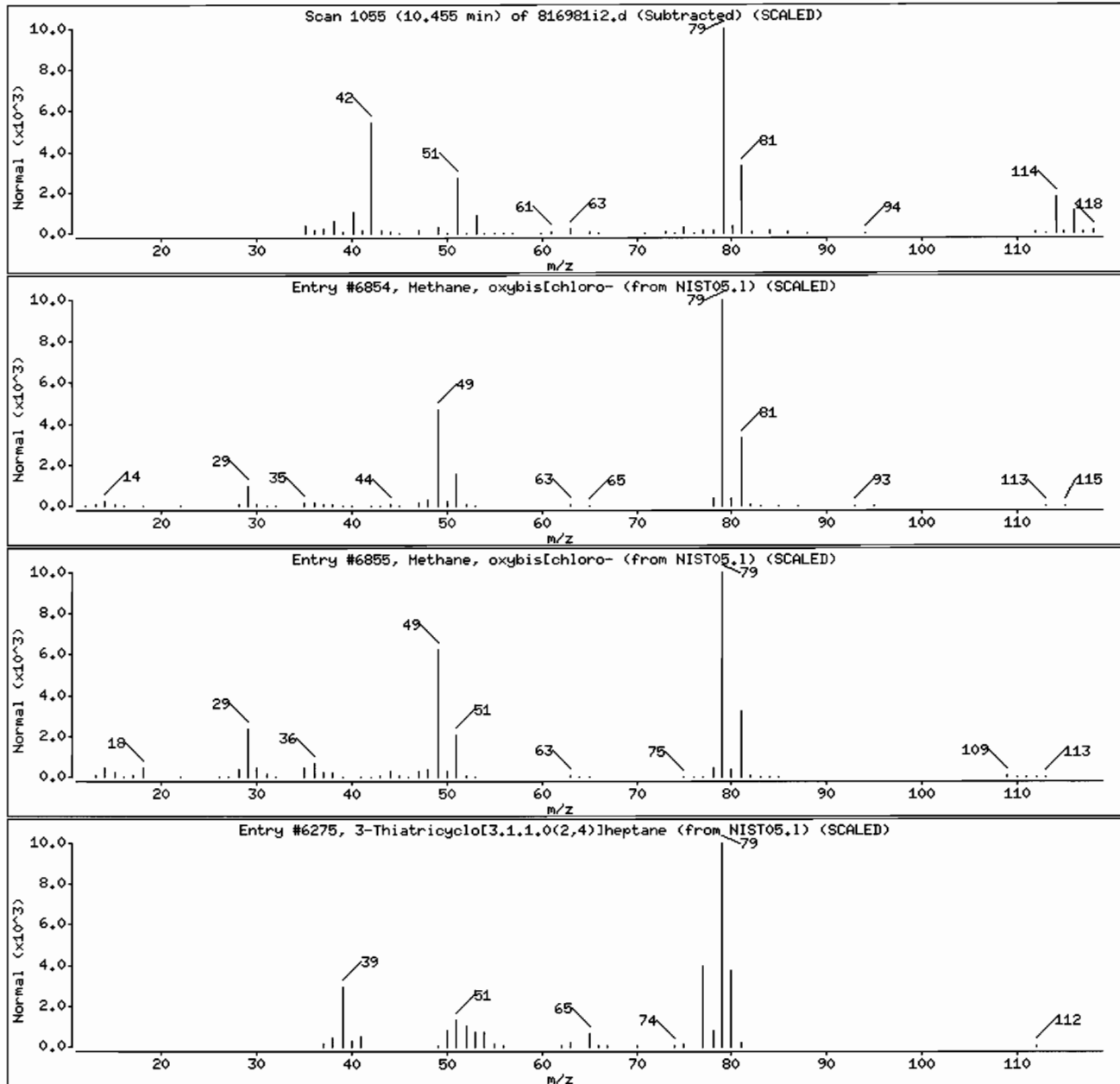
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	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	32	C6H8S	112





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.: 135376
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	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.: 135376
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	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.: 135376
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	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

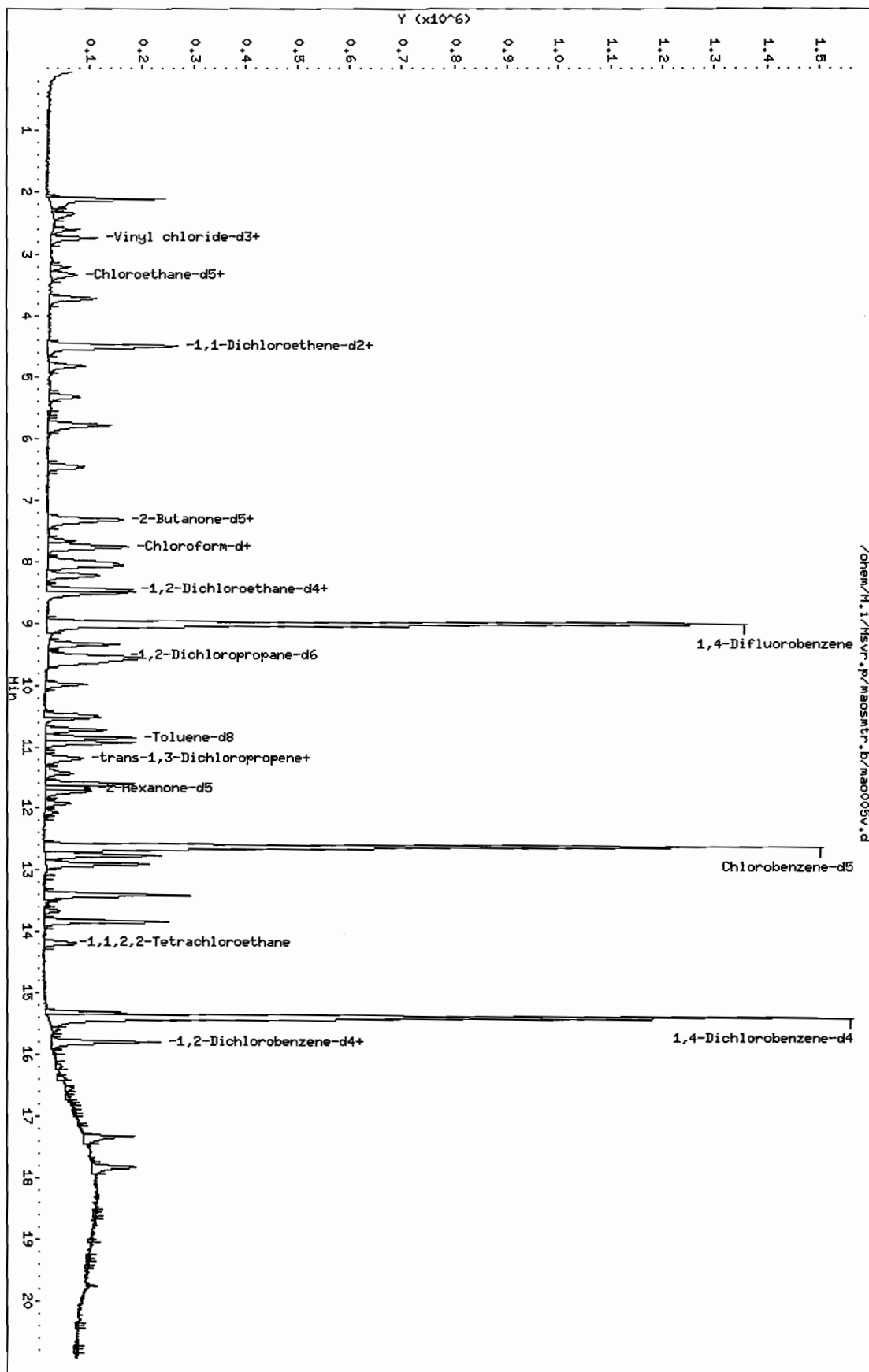
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/H.i/Hsvr.p/maosmtr.b/mao005v.d
Date: 18-JAN-2010 11:34
Client ID: VSTD0.SMD
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: HRV
Column diameter: 0.53

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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 jdl 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	AMOUNTS					
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	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						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	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)	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)

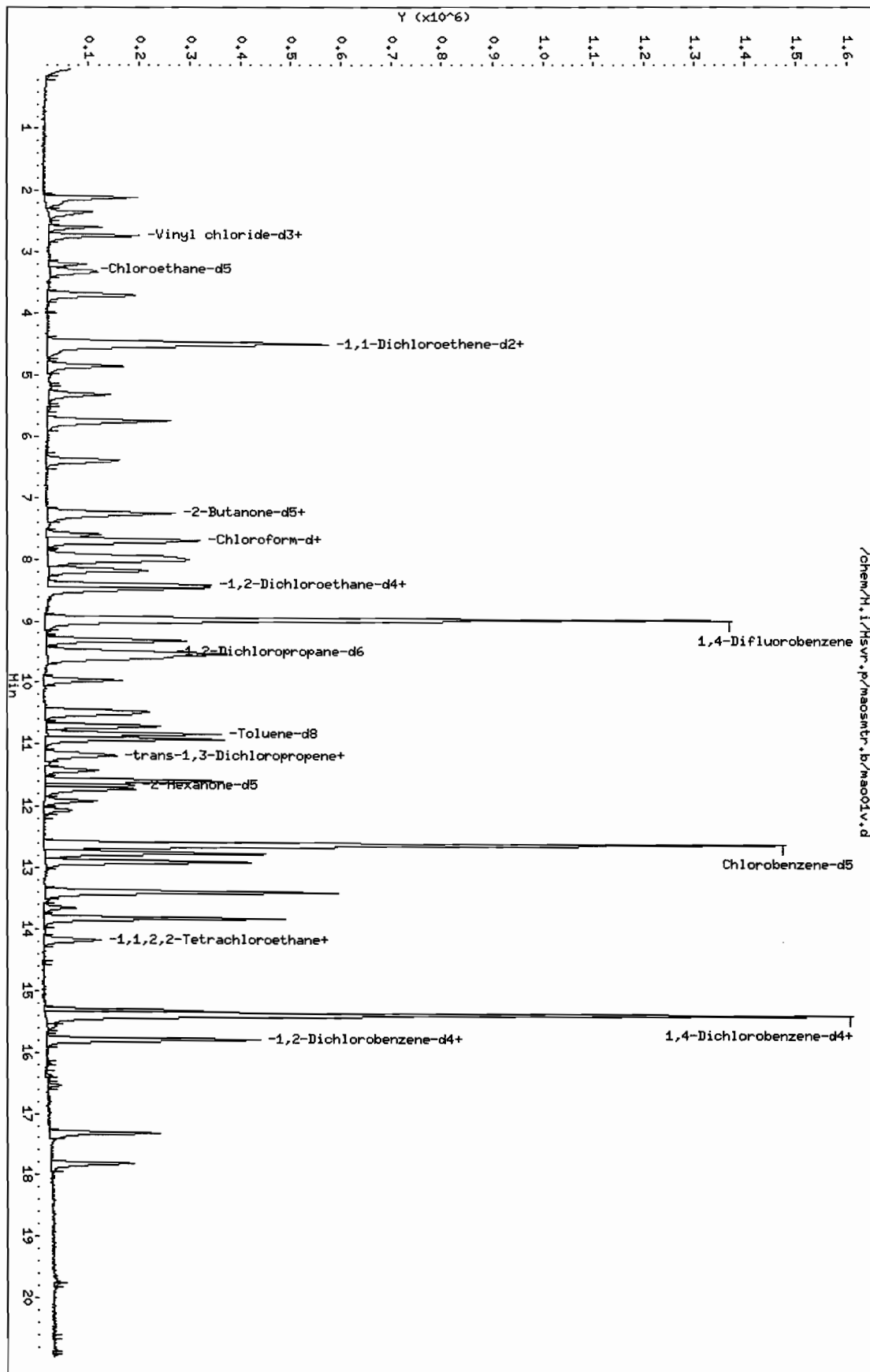
QC Flag Legend

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

Data File: /chem/H.i/Hsvr.p/maosmtr.b/mao01v.d
Date: 18-JAN-2010 12:06
Client ID: VSTD001H0
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: MKV
Column diameter: 0.53

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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 jdl 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						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	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	ON-COL
							(ug/L)	(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)

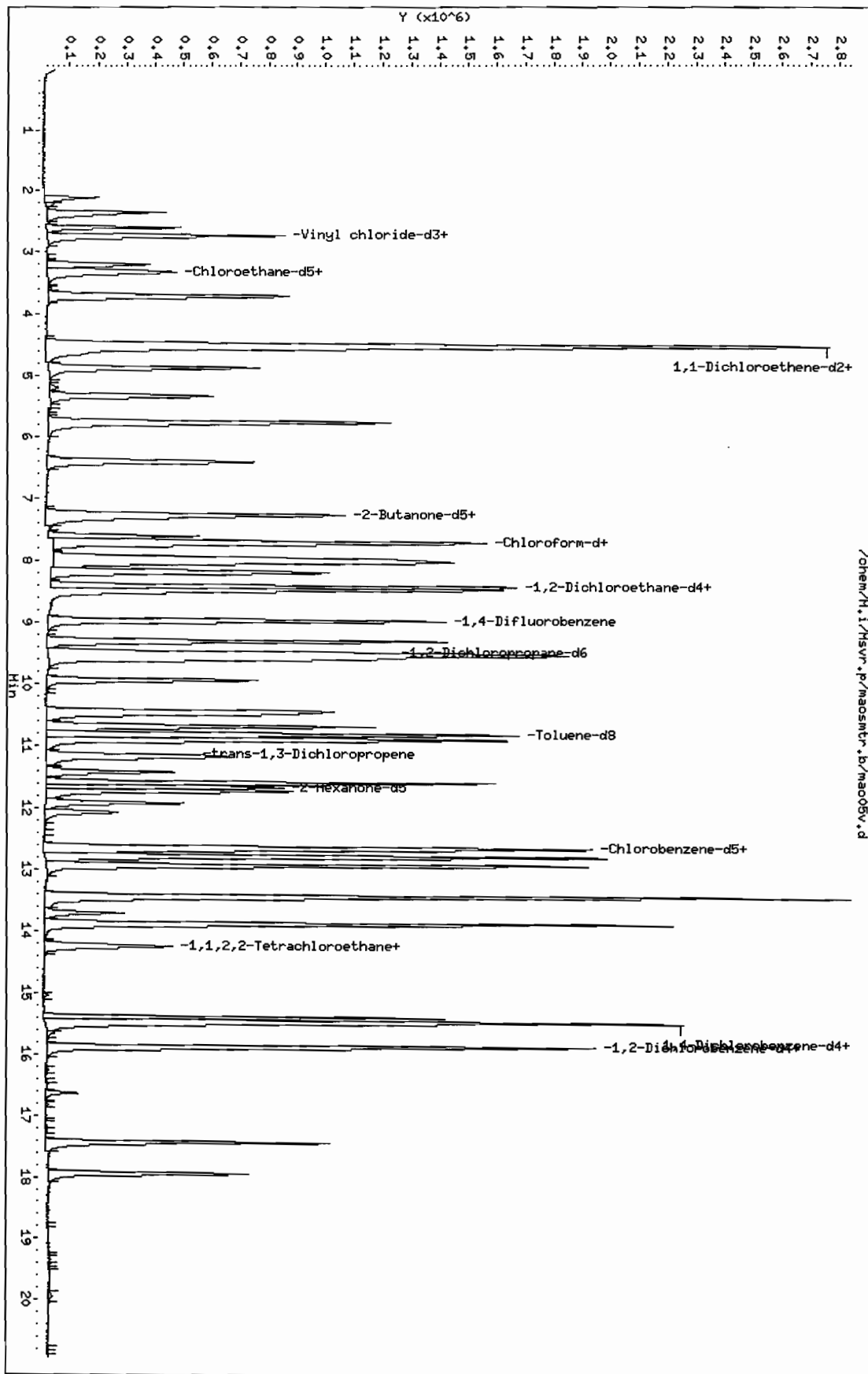
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	====	==	=====	=====	=====	=====	=====
62 1,4-Dichlorobenzene	146	15.407	15.497	(1.001)	211418	1.00000	1.0
\$ 63 1,2-Dichlorobenzene-d4	152	15.783	15.873	(1.026)	103334	1.00000	1.0
64 1,2-Dichlorobenzene	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/H.i/Hsvr.p/maosmtr.b/mao05v.d
 Date: 18-JAN-2010 12:37
 Client ID: VSTD008H0
 Sample Info:
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: H.i
 Operator: HRV
 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 jdl 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

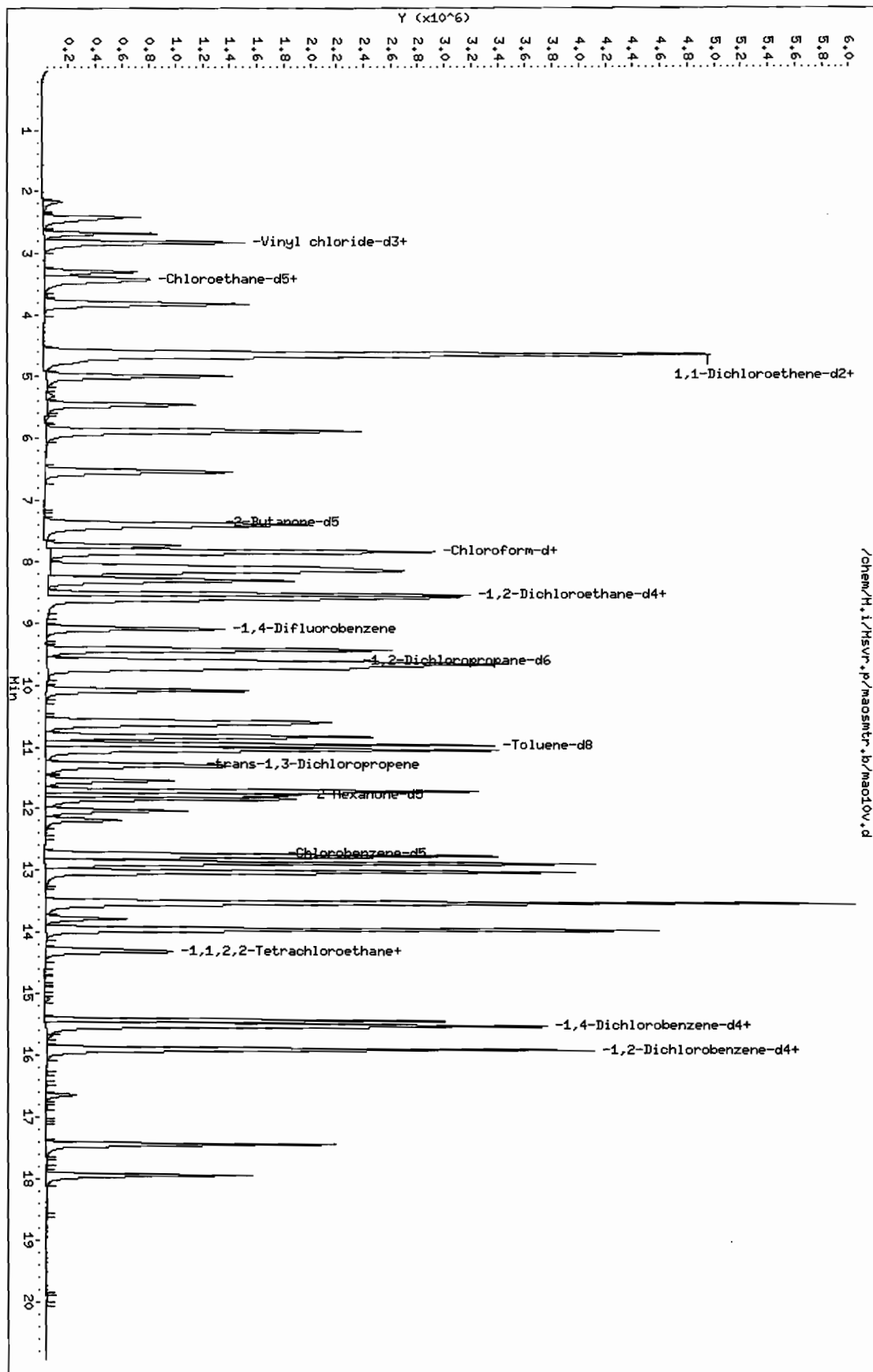
Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85		2.345	2.345	(0.261)	915829	5.00000	5.1
2 Chloromethane	50		2.593	2.593	(0.289)	807851	5.00000	5.0
\$ 3 Vinyl chloride-d3	65		2.731	2.731	(0.304)	937392	5.00000	4.9
4 Vinyl chloride	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	ON-COL
							(ug/L)	(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				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	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/H.1/Hsvr.p/maosmtr.b/maolov.d
Date: 18-JAN-2010 13:09
Client ID: VSTD010H0
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: HRV
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 jdl 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)	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)	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

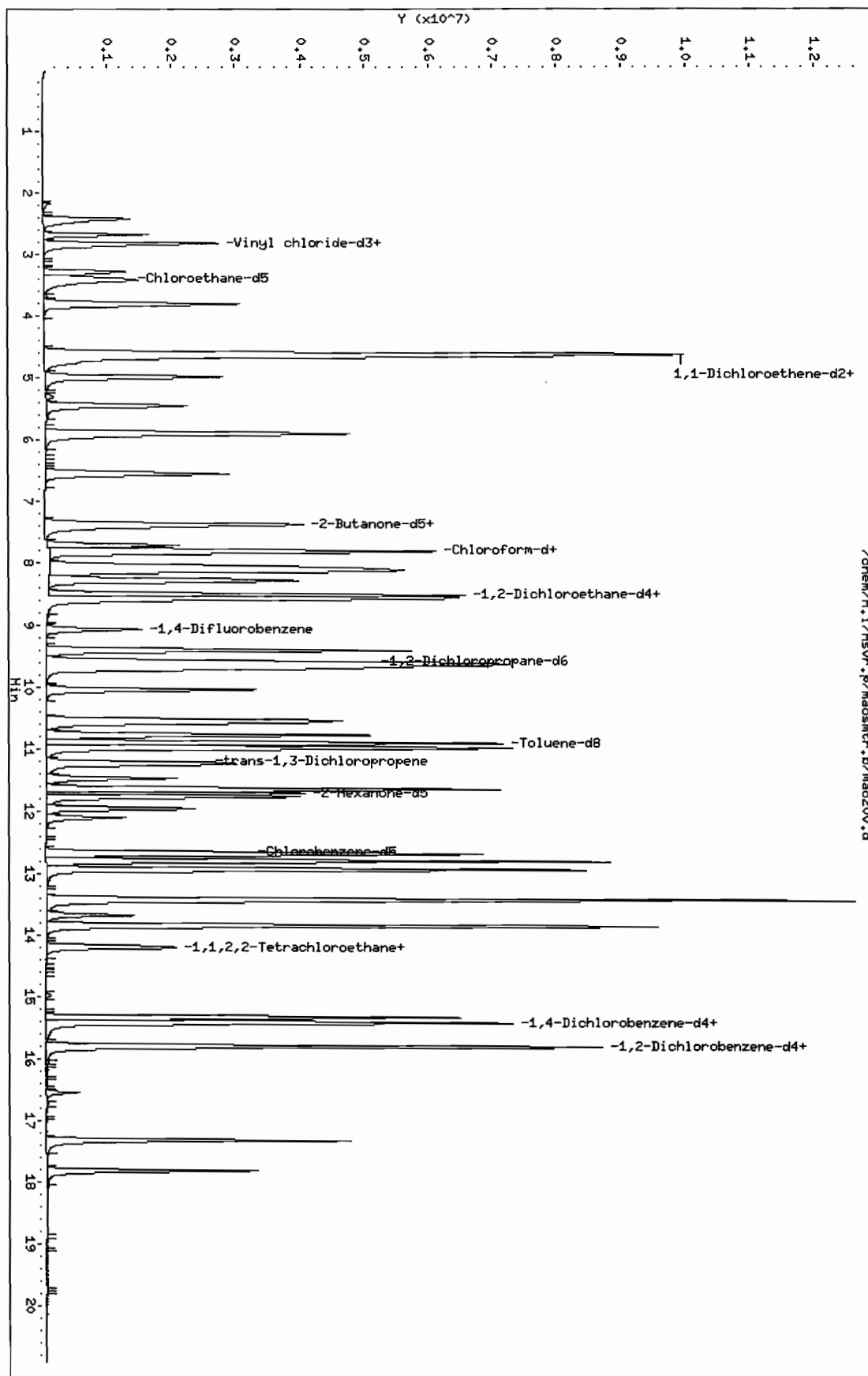
QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: /chem/H.i/Hsvr.p/masotr.b/masotr.d
Date: 18-JAN-2010 13:40
Client ID: VSTD020H0
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: HRV
Column diameter: 0.53

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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 jdl 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	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	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

Compounds	QUANT SIG					AMOUNTS	
	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					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	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.: 135376
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	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.: 135376
 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	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.: 135376
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	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

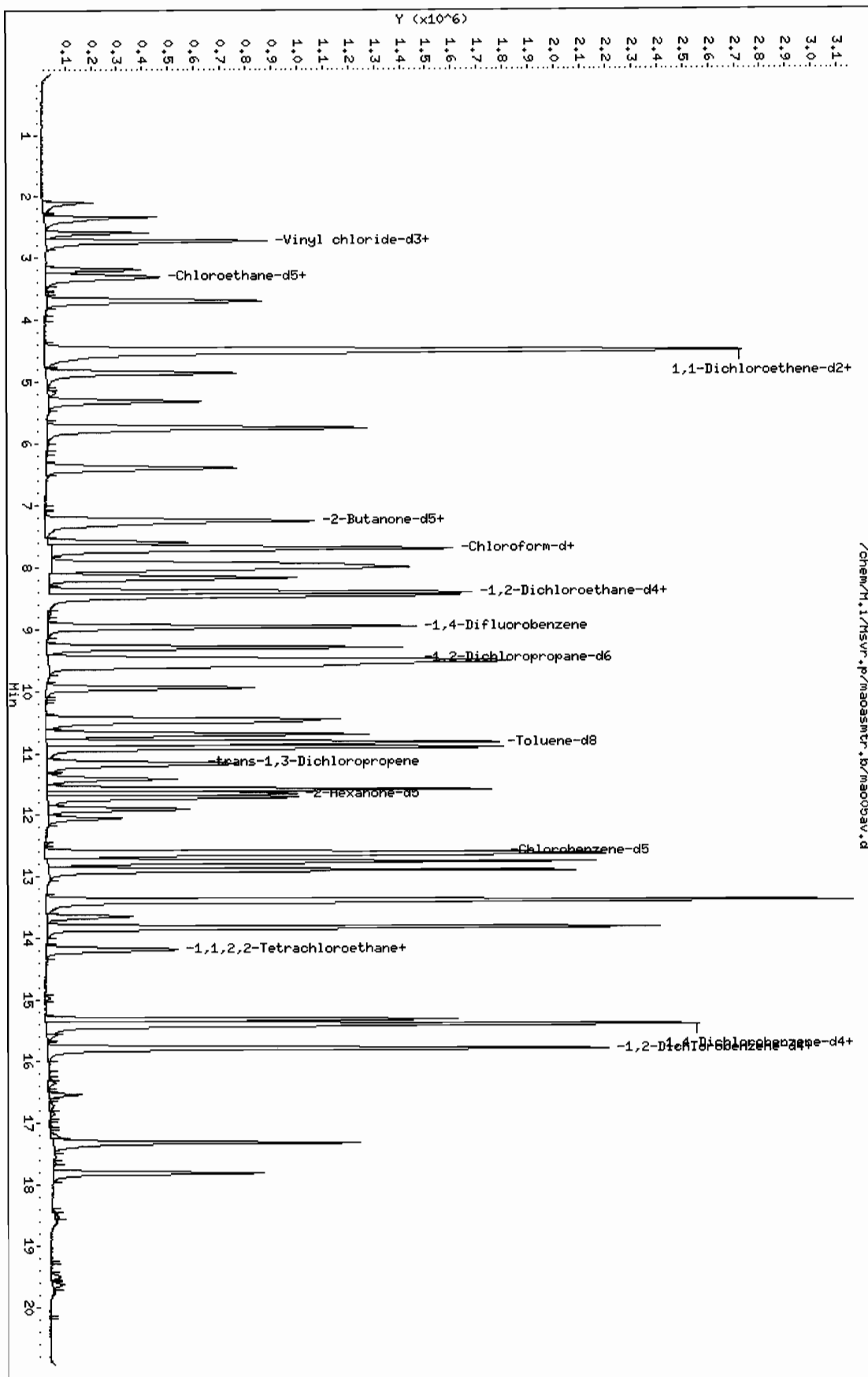
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/H.i/Hsvr.p/masamtr.b/mao05av.d
Date: 19-JAN-2010 09:34
Client ID: VSTD005HD
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: MKV
Column diameter: 0.53

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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 : 27-Jan-2010 13:46 jdl 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					AMOUNTS	
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	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					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	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				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	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.: 135376
Instrument ID: M.i Calibration Date: 01/19/2010 Time: 1950
Lab File ID: MAO05AC1 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	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.: 135376

Instrument ID: M.i Calibration Date: 01/19/2010 Time: 1950

Lab File ID: MAO05AC1 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	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.: 135376
 Instrument ID: M.i Calibration Date: 01/19/2010 Time: 1950
 Lab File ID: MAO05AC1 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	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

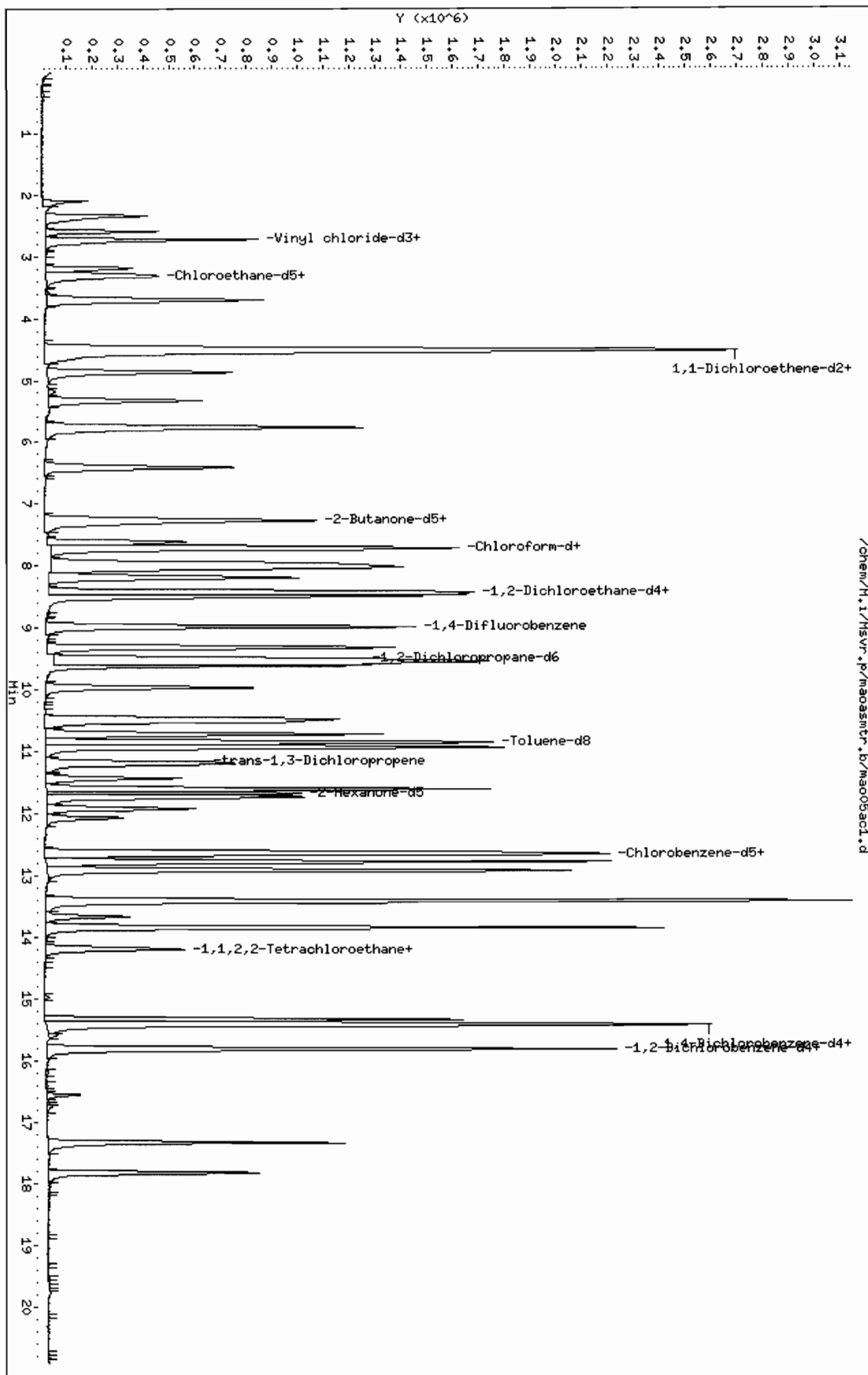
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/H.i/Hsvr.p/masamtr.b/mao05ad1.d
Date: 19-JAN-2010 19:50
Client ID: VSTD005DM
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: MKV
Column diameter: 0.53

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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 : 27-Jan-2010 13:47 jdl 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	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (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					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	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				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COI (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.: 135376
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	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.: 135376
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	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.: 135376
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)

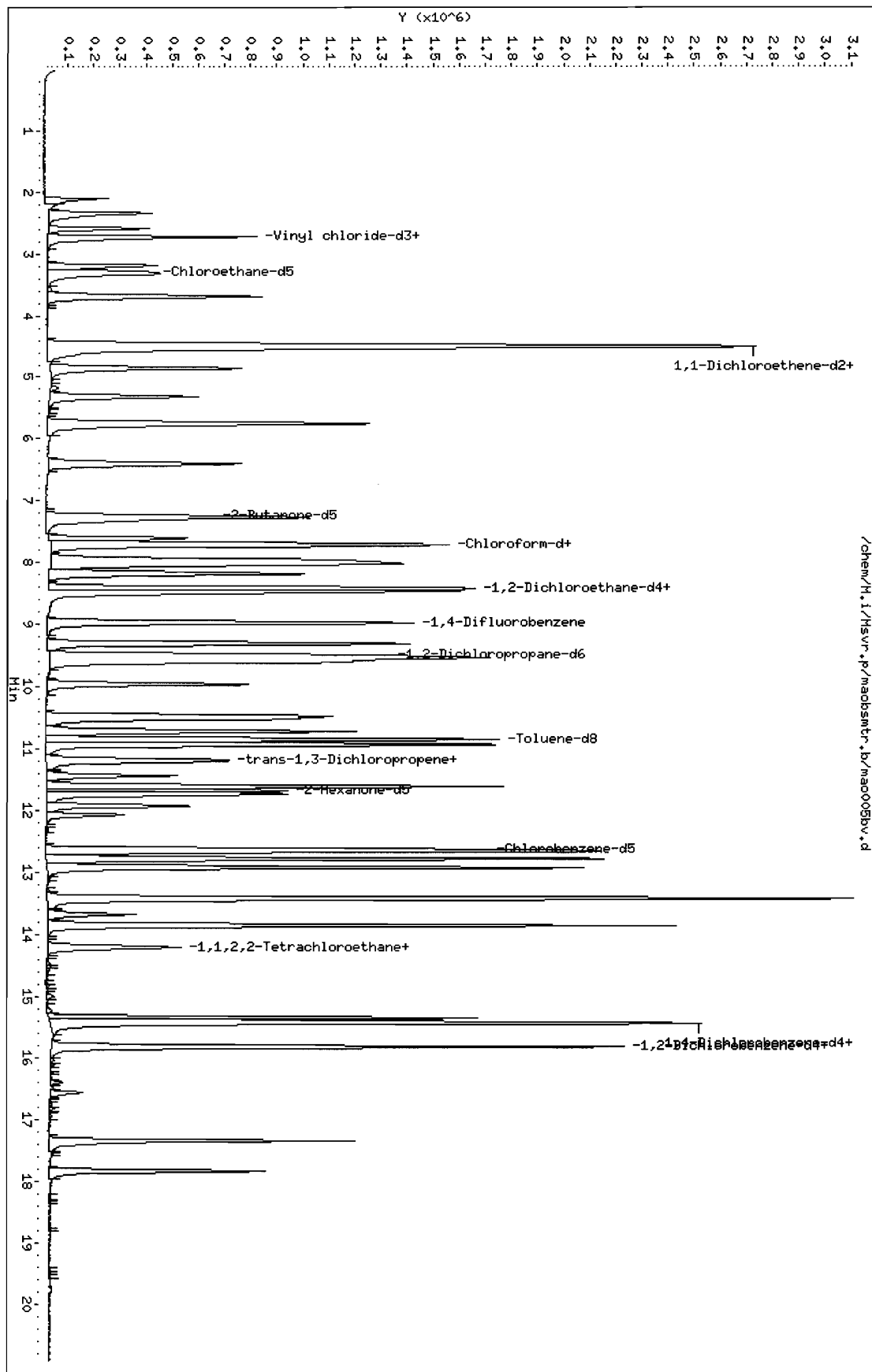
COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.467	0.445	0.010	-4.7	30.0
Chloroethane-d5	0.367	0.360	0.010	-1.8	40.0
1,1-Dichloroethene-d2	1.014	1.001	0.010	-1.3	30.0
2-Butanone-d5	0.033	0.030	0.010	-9.9	40.0
Chloroform-d	0.675	0.642	0.010	-4.9	30.0
1,2-Dichloroethane-d4	0.214	0.197	0.010	-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/mabsmtr.b/mao005bv.d
Date: 24-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



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maobsmttr.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/maobsmttr.b/somtr4.m
Meth Date : 27-Jan-2010 13:50 jdl 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	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (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

						AMOUNTS	
QUANT SIG						CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(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	

						AMOUNTS		
		QUANT SIG				CAL-AMT	ON-COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(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.: 135376
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	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.: 135376
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	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.: 135376
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)

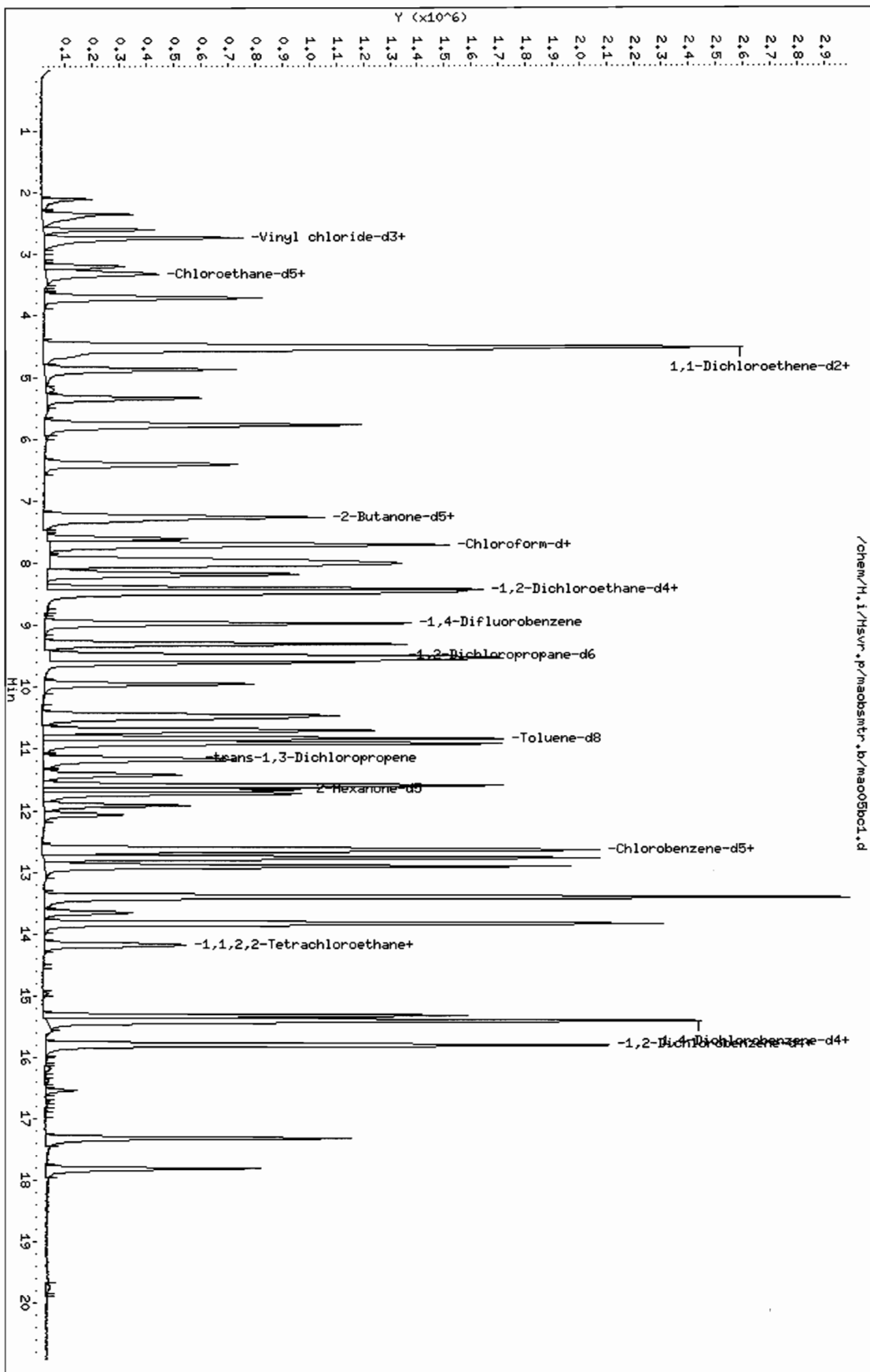
COMPOUND	RRF	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.467	0.455	0.010	-2.5	50.0
Chloroethane-d5	0.367	0.363	0.010	-1.0	50.0
1,1-Dichloroethene-d2	1.014	1.034	0.010	1.9	50.0
2-Butanone-d5	0.033	0.034	0.010	4.0	50.0
Chloroform-d	0.675	0.678	0.010	0.4	50.0
1,2-Dichloroethane-d4	0.214	0.210	0.010	-1.9	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/maobsmt.r.b/mao05bcl.d
Date : 22-JAN-2010 04:35
Client ID: VSTD005HH
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: JPL
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maobsmttr.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/maobsmttr.b/somtr4.m
Meth Date : 27-Jan-2010 13:51 jdl 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	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				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
						(ug/L)	(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	

						AMOUNTS	
		QUANT SIG					
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COI (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.



Raw QC Data – SOM01.2 Volatiles – Trace

Data File: /chem/H.i/Hsvr.p/maosmtr.b/mao01pv.d

Page 2

Date : 18-JAN-2010 10:38

Client ID: BFBMC

Instrument: H.i

Sample Info: 50ng BFB

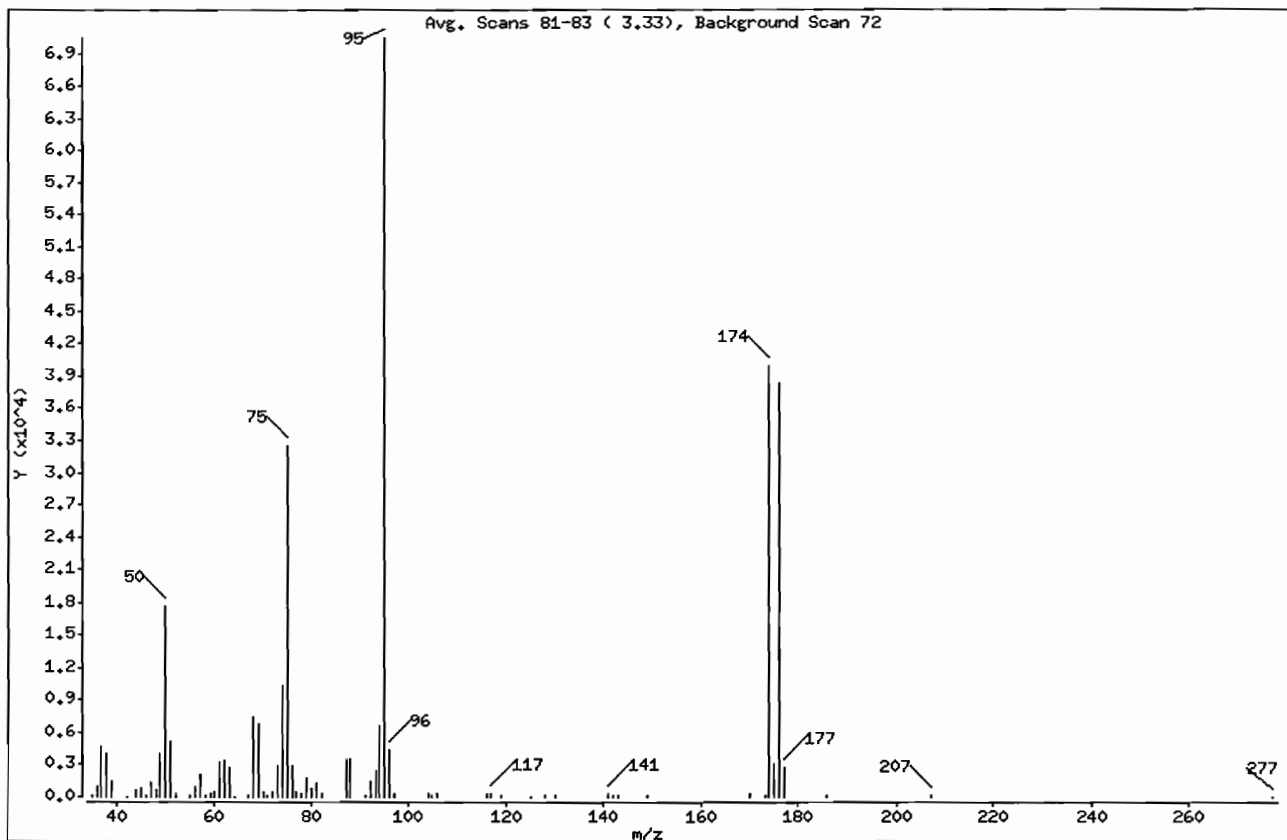
Volume Injected (uL): 1.0

Operator: HRV

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/Hsvr.p/maosmtr.b/mao01pv.d

Page 3

Date : 18-JAN-2010 10:38

Client ID: BFBMC

Instrument: M.i

Sample Info: 50ng BFB

Volume Injected (uL): 1.0

Operator: HRV

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/H.i/Hsvr.p/maosmtr.b/mao01pv.d

Page 1

Date : 18-JAN-2010 10:38

Client ID: BFBMC

Instrument: H.i

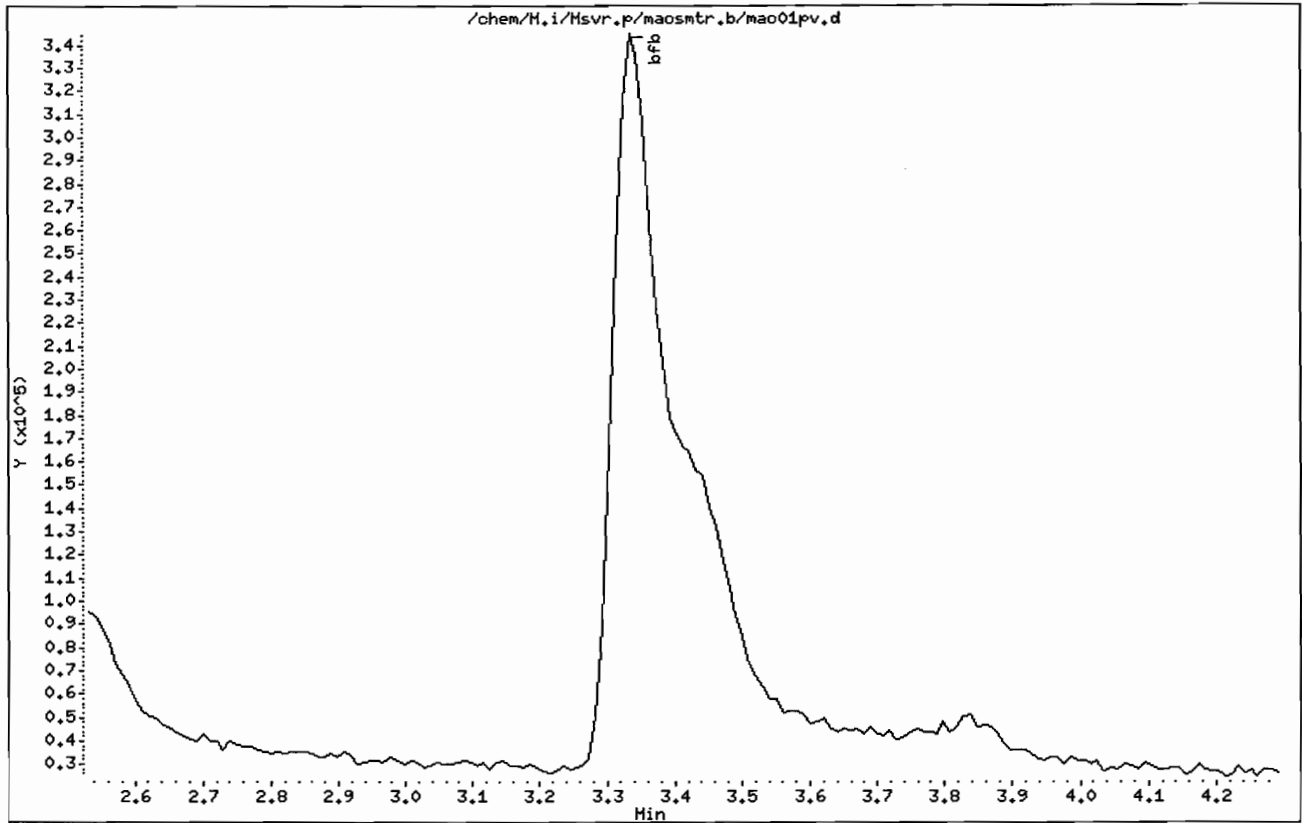
Sample Info: 50ng BFB

Volume Injected (uL): 1.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53



Date : 19-JAN-2010 08:34

Client ID: BFBMD

Instrument: M.i

Sample Info: 50ng BFB

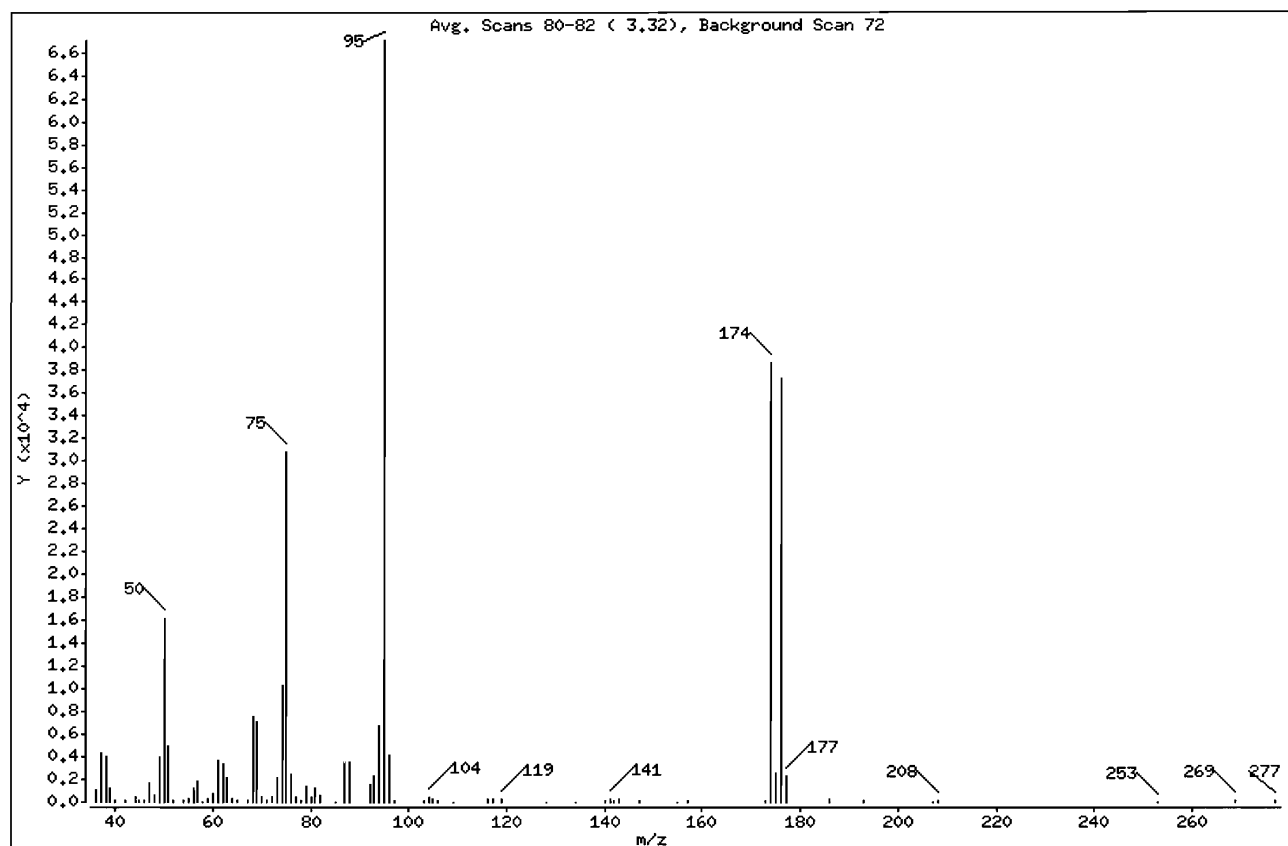
Volume Injected (uL): 1.0

Operator: HRV

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

Page 3

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/Hsvr.p/maoasmtr.b/mao02pv.d

Page 1

Date : 19-JAN-2010 08:34

Client ID: BFBMD

Instrument: M.i

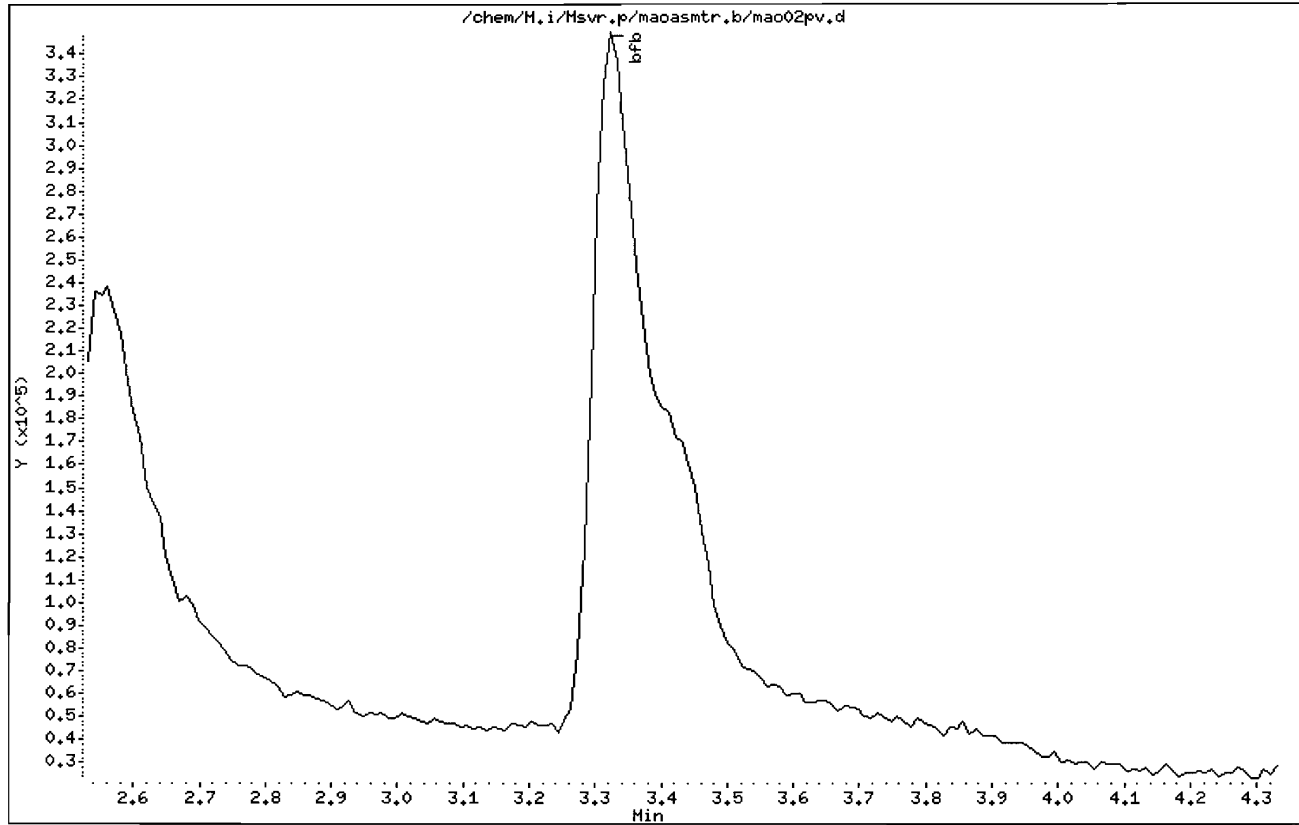
Sample Info: 50ng BFB

Volume Injected (uL): 1.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/M.i/Hsvr.p/maobsntr.b/mao03pv.d

Page 2

Date : 21-JAN-2010 17:09

Client ID: BFBMH

Instrument: M.i

Sample Info: 50ng BFB

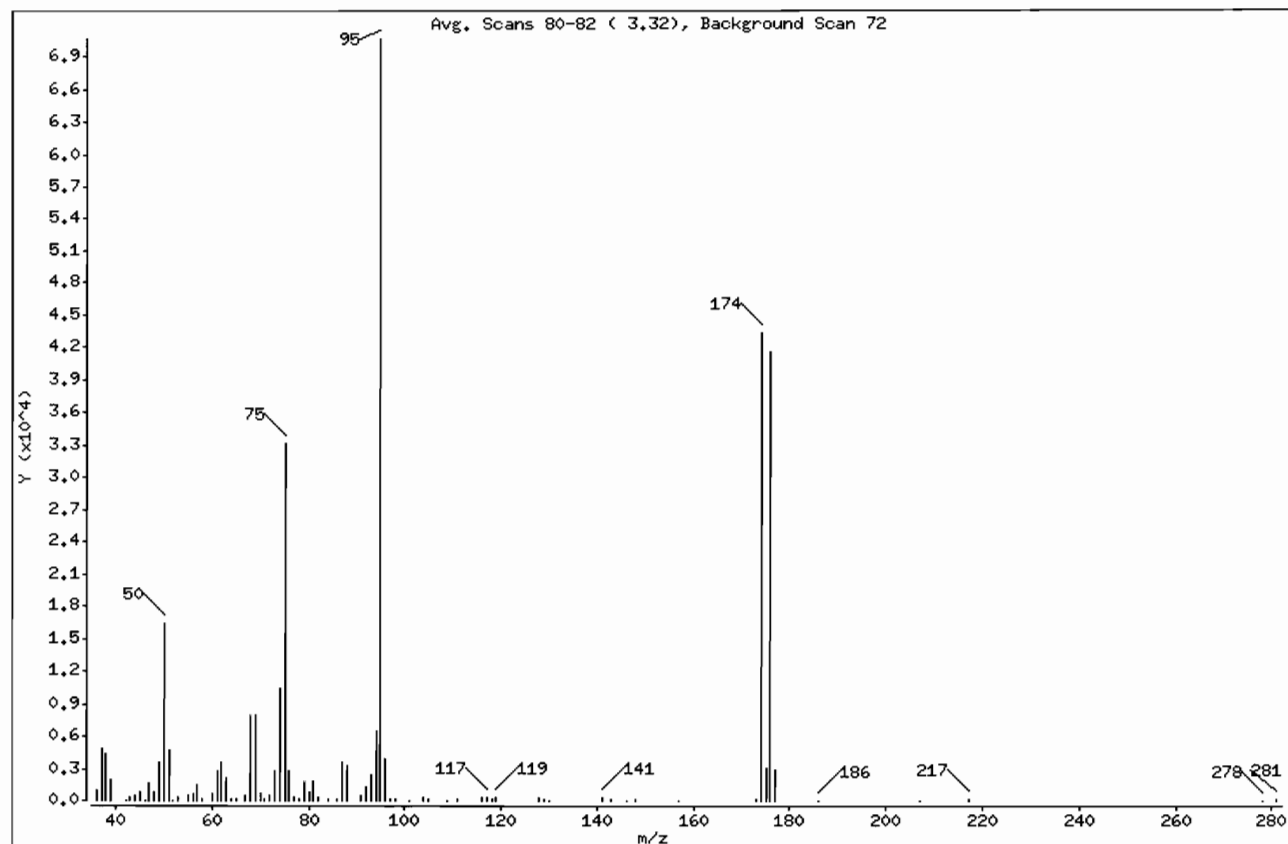
Volume Injected (uL): 1.0

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/maobsmttr.b/mao03pv.d

Page 3

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/maobsntr,b/mao03pv,d

Page 1

Date : 21-JAN-2010 17:09

Client ID: BFBMH

Instrument: M.i

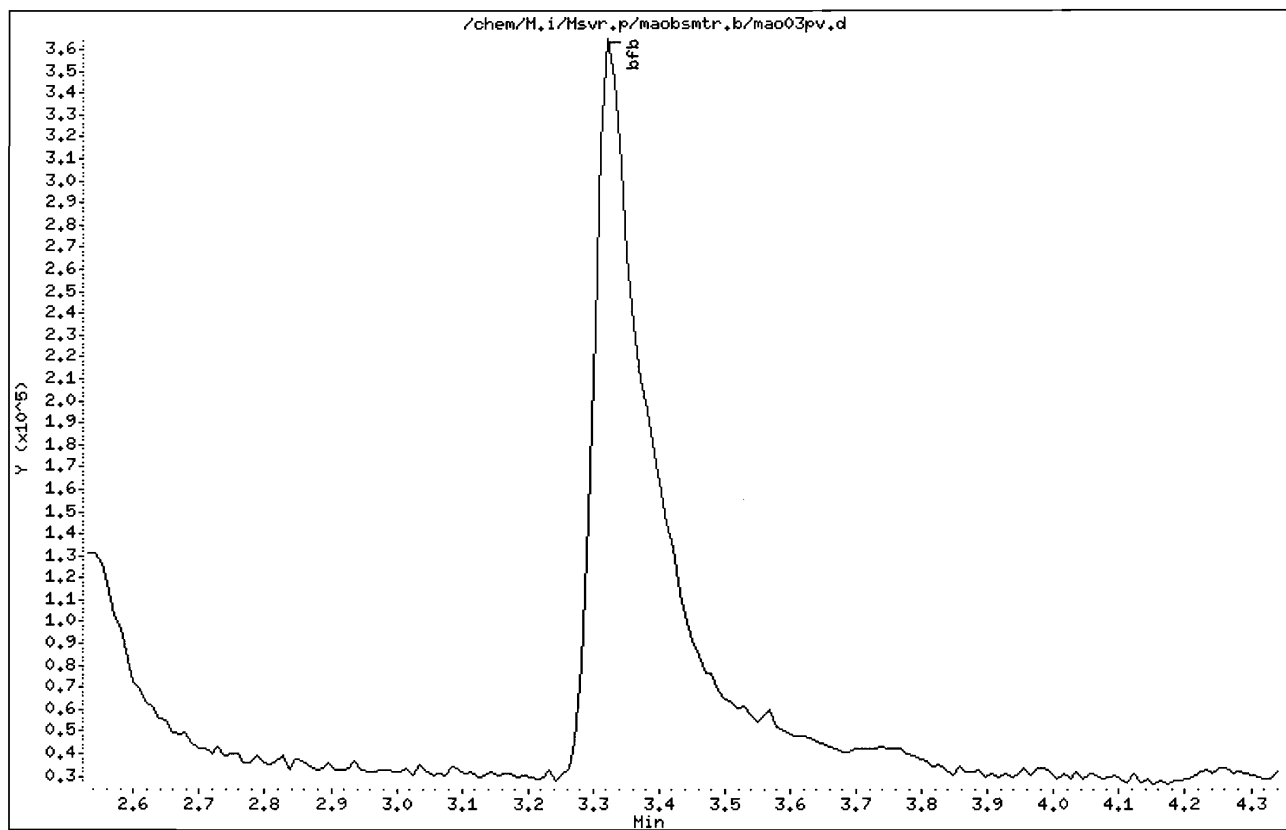
Sample Info: 50ng BFB

Volume Injected (uL): 1.0

Operator: JP1

Column phase: DB-624

Column diameter: 0,53



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

EPA SAMPLE NO.

VBLKMC

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VBLKMC

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MAOB03

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 01/18/2010

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.

VBLKMC

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VBLKMC

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MAOB03

Level: (TRACE/LOW/MED) TRACE

Date Received:

% Moisture: not dec.

Date Analyzed: 01/18/2010

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.

VBKMC

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VBKMC

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: MAOB03

Level: (TRACE or LOW/MED) TRACE

Date Received: .

% Moisture: not dec.

Date Analyzed: 01/18/2010

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)

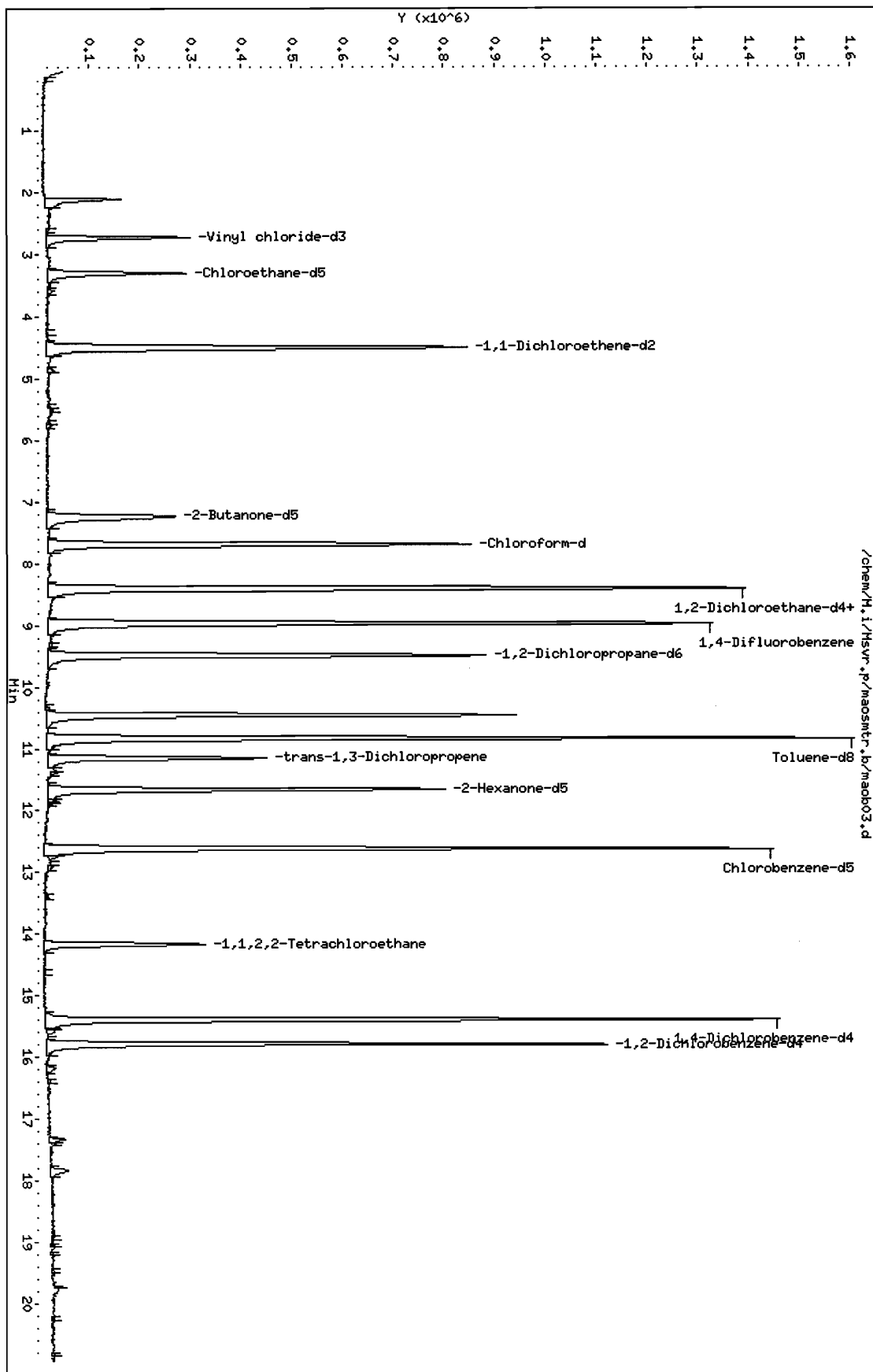
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	=====	=====	=====	=====	=====
01		Unknown	10.45	3.3	JX
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/MSV.p/masmtc.b/mao03.d
Date: 18-JAN-2010 14:44
Client ID: VRLKMC
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: M.i
Operator: HRV
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maosmtr.b/maob03.d
Lab Smp Id: VBLKMC Client Smp ID: VBLKMC
Inj Date : 18-JAN-2010 14:44
Operator : MRV Inst ID: M.i
Smp Info :
Misc Info : VBLKMC,011810MC,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: 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				RESPONSE	CONCENTRATIONS	
		RT	EXP RT	REL RT		ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85				Compound Not Detected.		
2 Chloromethane	50				Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65	2.724	2.731	(0.304)	559685	3.06939	3.1(R)
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	3.297	3.295	(0.368)	579089	4.04707	4.0
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	4.484	4.491	(0.500)	1436092	3.62633	3.6
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	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	7.233	7.240	(0.807)	636886	49.6130	50
20 cis-1,2-Dichloroethene	96				Compound Not Detected.		
21 2-Butanone	43				Compound Not Detected.		
22 Bromochloromethane	128				Compound Not Detected.		
\$ 23 Chloroform-d	84	7.688	7.695	(0.858)	1265539	4.80229	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	8.390	8.397	(0.936)	361750	4.32260	4.3 (Q)
\$ 29 Benzene-d6	84	8.400	8.417	(0.667)	1886419	4.60365	4.6
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	8.963	8.971	(1.000)	1951922	5.00000	
33 Trichloroethene	95				Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67	9.478	9.485	(0.752)	856736	4.12457	4.1
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	10.822	10.820	(0.859)	1972329	4.64014	4.6
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	11.149	11.146	(0.885)	458168	4.48420	4.5
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	11.653	11.660	(0.925)	658279	47.7273	48
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	12.602	12.639	(1.000)	1477378	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	14.165	14.241	(1.124)	338004	4.64755	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	15.381	15.467	(1.000)	666299	5.00000	(Q)
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.786	15.873	(1.026)	488802	4.78085	4.8
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.
 R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maosmtr.b/maob03.d
 Lab Smp Id: VBLKMC Client Smp ID: VBLKMC
 Inj Date : 18-JAN-2010 14:44
 Operator : MRV Inst ID: M.i
 Smp Info :
 Misc Info : VBLKMC,011810MC,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: 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	8.963	5108462	5.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		
		ON-COL(ug/L)	FINAL(ug/L)		LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
10.447	3364080	3.29265397	3.3	0		0	32

Date : 18-JAN-2010 14:44

Client ID: VBLKMC

Instrument: M.i

Sample Info:

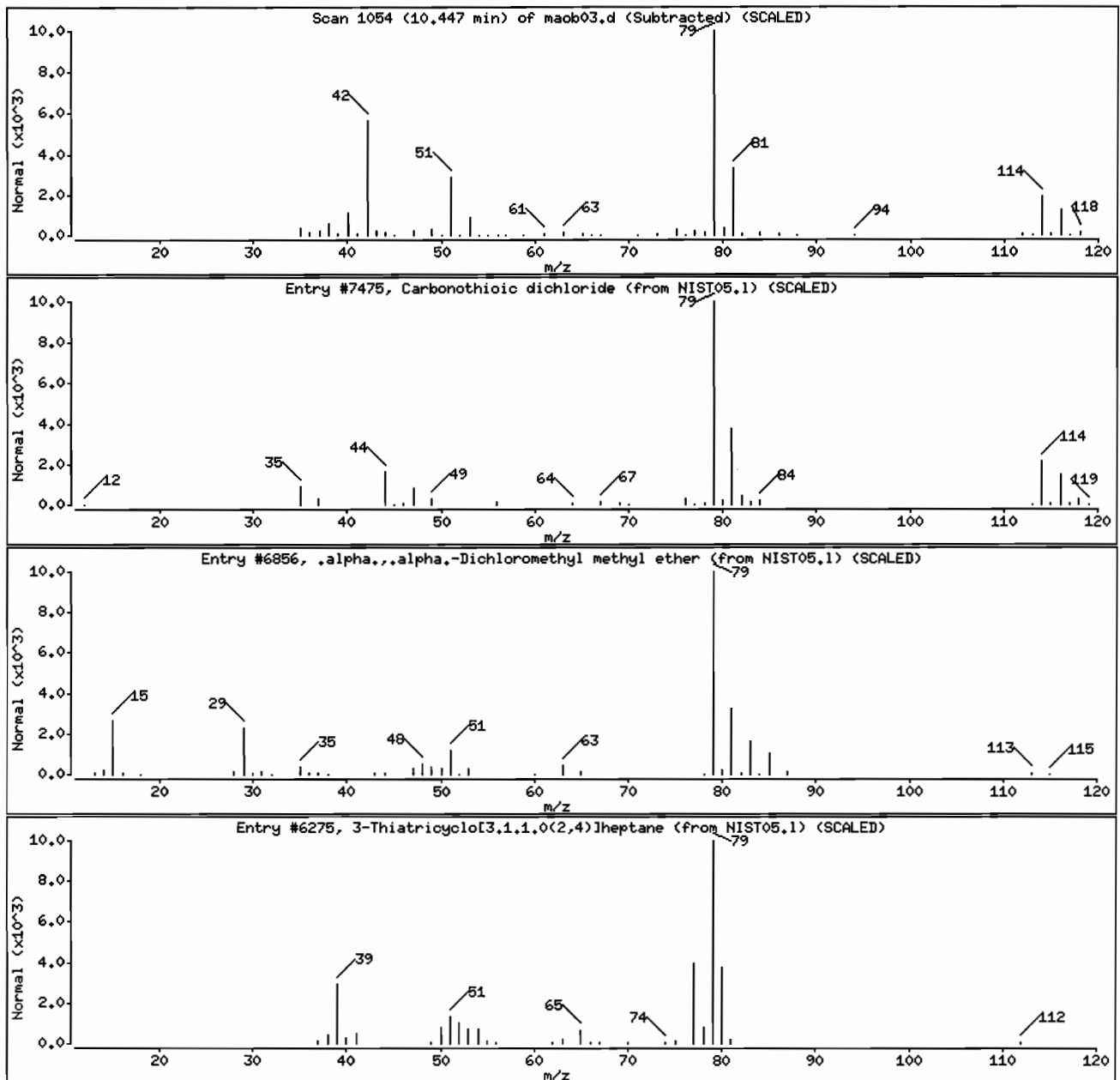
Purge Volume: 25.0

Operator: HRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	47	CCl ₂ S	114
.alpha.,.alpha.-Dichloromethyl methyl et	4885-02-3	NIST05.1	6856	37	C ₂ H ₄ Cl ₂ O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	112



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

EPA SAMPLE NO.

VBLKMD

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLTV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

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.

VLKMD

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VLKMD

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.

VLKMD

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VLKMD

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	=====	=====	=====	=====	=====
02		Unknown	10.46	3.6	JX
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		

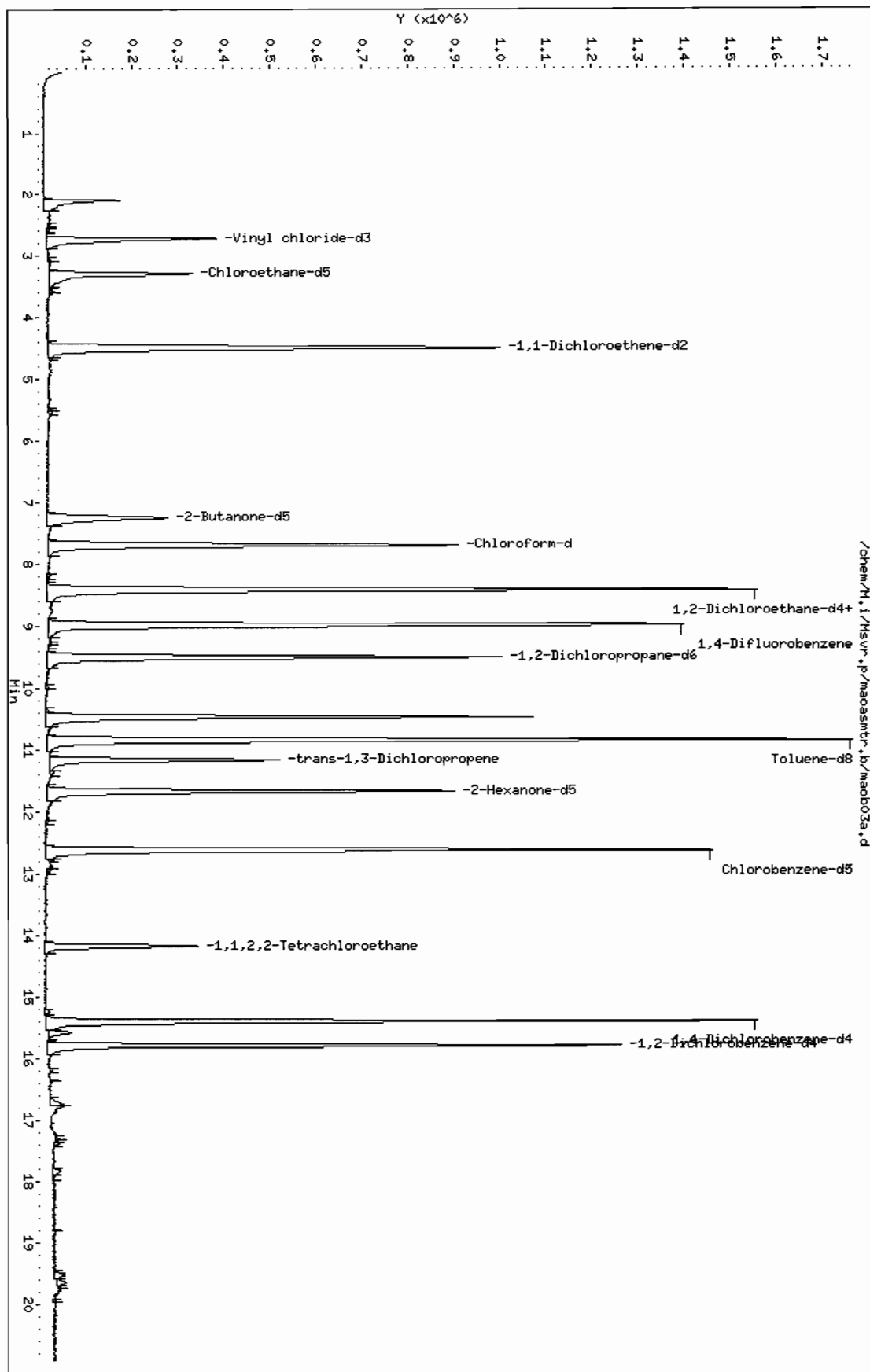
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/masamtr.b/maob03a.d
Date: 19-JAN-2010 10:37
Client ID: VBLKHD
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: HKV
Column diameter: 0.53

Page 5



Data File: /chem/M.i/Msvr.p/maoasmtr.b/maob03a.d
Report Date: 27-Jan-2010 13:47

Page 1

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 : 27-Jan-2010 13:46 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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	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	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ug/L)	(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	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(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 : 27-Jan-2010 13:46 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

Date : 19-JAN-2010 10:37

Client ID: VBLKMD

Instrument: M.i

Sample Info:

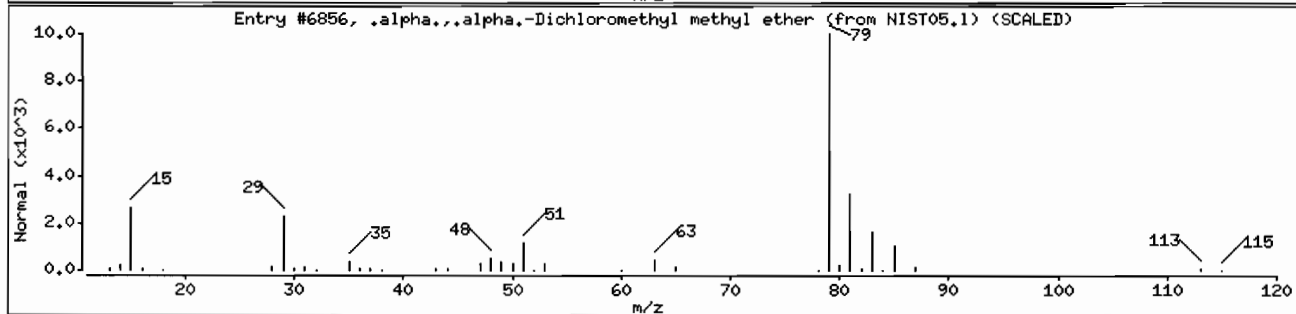
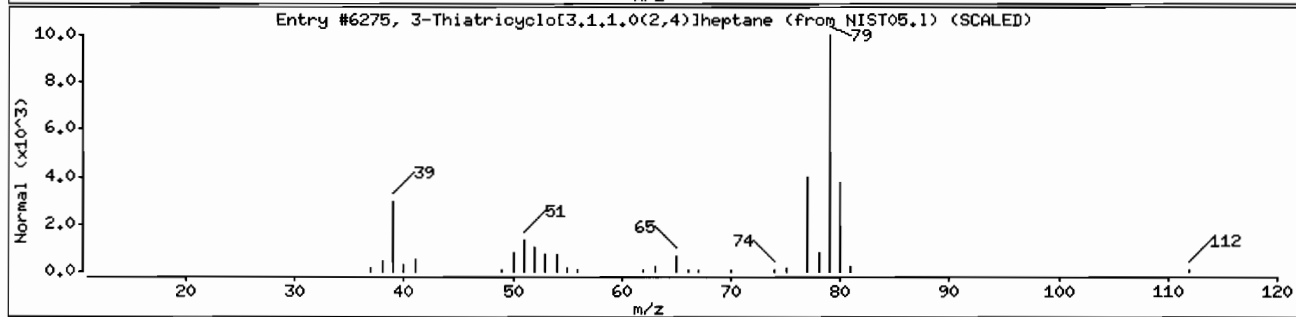
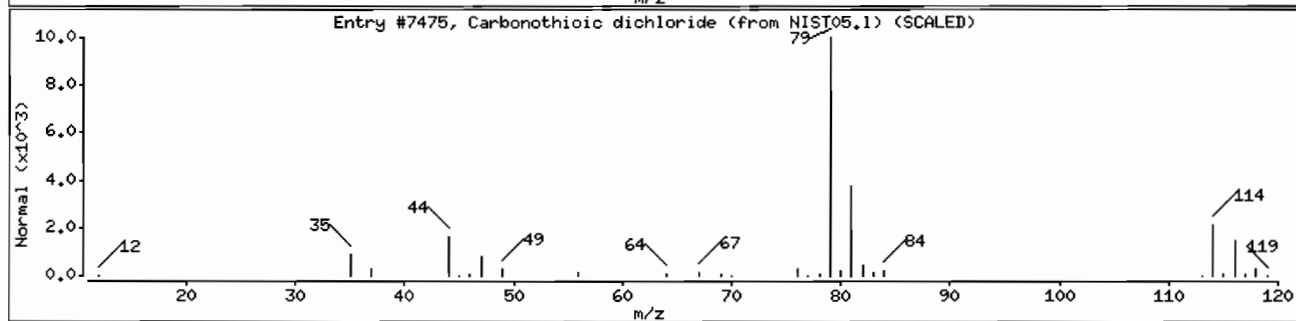
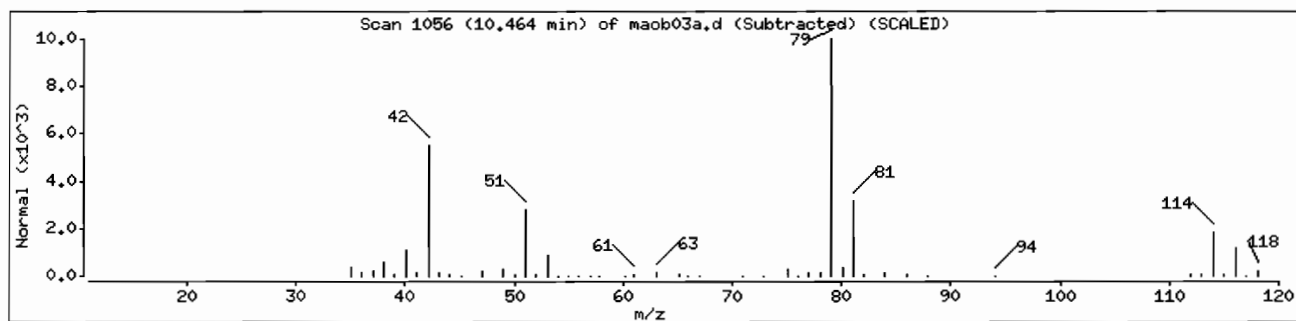
Purge Volume: 25.0

Operator: MRV

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonythioic dichloride	463-71-8	NIST05.1	7475	49	CCl ₂ S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	112
.alpha.,.alpha.-Dichloromethyl methyl et	4885-02-3	NIST05.1	6856	25	C ₂ H ₄ Cl ₂ O	114



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

EPA SAMPLE NO.

VBLKMH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLTV

Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

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.: 135376

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.

VBKMH

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: VBKMH

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	=====	=====	=====	=====	=====
02		Unknown	10.45	3.4	JX
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		

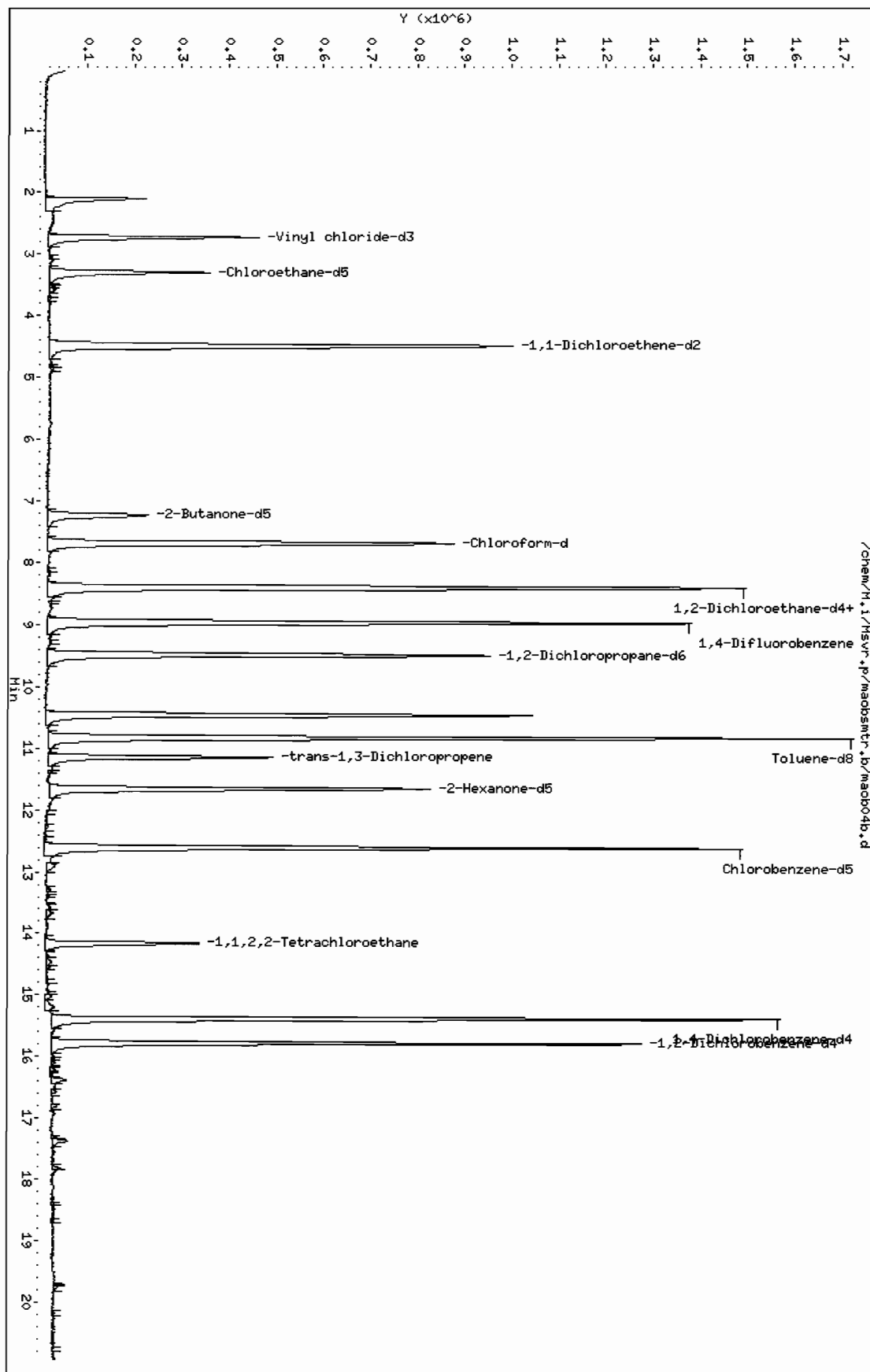
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/H.i/Hsvr.p/mabsmtr.b/mab04b.d
Date : 24-JAN-2010 13:42
Client ID: VBLKHH
Sample Info:
Purge Volume: 25.0
Column phase: DB-624

Instrument: H.i
Operator: JPL
Column diameter: 0.53

Page 5



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maobsmttr.b/maob04b.d
Lab Smp Id: VBLKMH Client Smp ID: VBLKMH
Inj Date : 21-JAN-2010 19:42
Operator : JPl Inst ID: M.i
Smp Info :
Misc Info : VBLKMH,012110MH,1,5
Comment :
Method : /chem/M.i/Msvr.p/maobsmttr.b/somtr4.m
Meth Date : 27-Jan-2010 13:50 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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.721	2.721	(0.304)	898112	4.56896	4.6
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.295	3.295	(0.368)	755703	4.89919	4.9
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.481	4.491	(0.500)	1720909	4.03107	4.0
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	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		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	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.

Data File: /chem/M.i/Msvr.p/maobsmttr.b/maob04b.d
Report Date: 27-Jan-2010 13:50

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maobsmttr.b/maob04b.d
Lab Smp Id: VBLKMH Client Smp ID: VBLKMH
Inj Date : 21-JAN-2010 19:42
Operator : JPl Inst ID: M.i
Smp Info :
Misc Info : VBLKMH,012110MH,1,5
Comment :
Method : /chem/M.i/Msvr.p/maobsmttr.b/somtr4.m
Meth Date : 27-Jan-2010 13:50 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

Date : 21-JAN-2010 19:42

Client ID: VBLKMH

Instrument: M.i

Sample Info:

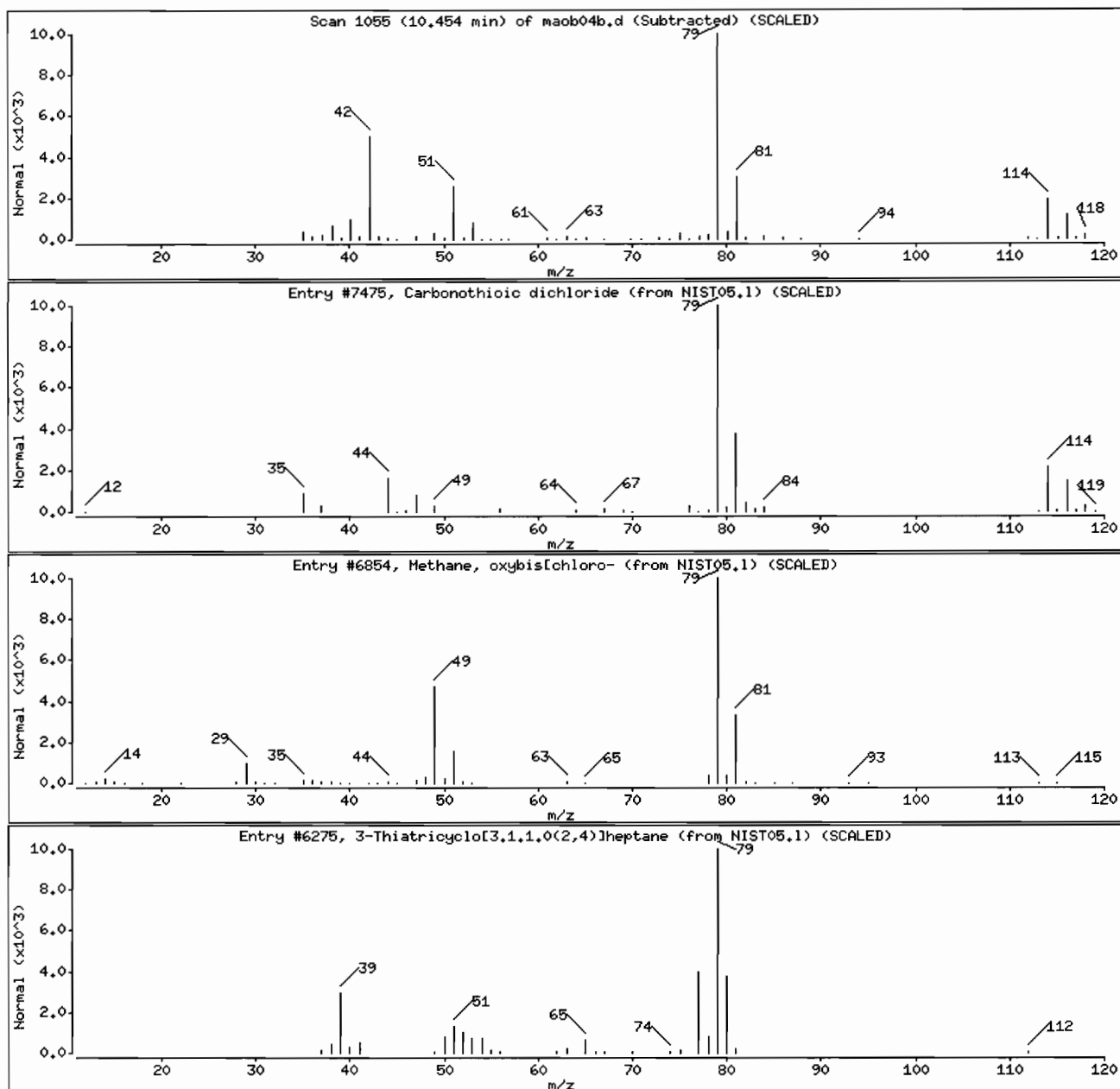
Purge Volume: 25.0

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	CCl ₂ S	114
Methane, oxybis(chloro-	542-88-1	NIST05.1	6854	37	C ₂ H ₄ Cl ₂ O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C ₆ H ₈ S	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.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816987

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816987

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.
VHBLK01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 135376
Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 816987
Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 816987
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.

VHBLK01

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV Case No.: LASS

Mod. Ref No.:

SDG No.: 135376

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: 816987

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: 816987

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	10.45	3.4	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

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

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Data File: /chem/M.i/Msvr.p/maoasmtr.b/816987.d
Report Date: 27-Jan-2010 13:53

Page 1

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/816987.d
Lab Smp Id: 816987 Client Smp ID: VHBLK01
Inj Date : 19-JAN-2010 15:37
Operator : MRV Inst ID: M.i
Smp Info : VHBLK01 : [] 01/08/10 @1150 (WATER)
Misc Info : 816987,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 27-Jan-2010 13:47 jd1 Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 15
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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	2.721	2.720	(0.304)	901969	4.96467	5.0
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	3.284	3.294	(0.367)	743249	5.21338	5.2
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	4.481	4.480	(0.500)	1689441	4.28172	4.3
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						
14 Methyl acetate	43						

Compounds	QUANT SIG	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	7.229	(0.807)	710817	55.5752	56
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	7.684	7.684	(0.858)	1401981	5.33956	5.3 (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	8.396	8.386	(0.937)	420795	5.04658	5.0 (Q)
\$ 29 Benzene-d6	84	8.406	8.396	(0.667)	2079172	5.07778	5.1
30 Benzene	78		Compound Not	Detected.			
31 1,2-Dichloroethane	62		Compound Not	Detected.			
* 32 1,4-Difluorobenzene	114	8.960	8.960	(1.000)	1944788	5.00000	
33 Trichloroethene	95		Compound Not	Detected.			
\$ 34 1,2-Dichloropropane-d6	67	9.484	9.484	(0.753)	985920	4.74998	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	10.829	10.829	(0.860)	2129509	5.01361	5.0
41 Toluene	91		Compound Not	Detected.			
\$ 42 trans-1,3-Dichloropropene-d4	79	11.155	11.145	(0.885)	474811	4.65050	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	11.649	(0.925)	714371	51.8322	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	12.599	12.599	(1.000)	1476294	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	14.151	14.161	(1.123)	374490	5.15302	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	15.387	15.387	(1.000)	683418	5.00000	
62 1,4-Dichlorobenzene	146		Compound Not	Detected.			

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	15.783	15.783	(1.026)	534568	5.09750	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.

Data File: /chem/M.i/Msvr.p/maoasmtr.b/816987.d
Report Date: 27-Jan-2010 13:53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/M.i/Msvr.p/maoasmtr.b/816987.d
Lab Smp Id: 816987 Client Smp ID: VHBLK01
Inj Date : 19-JAN-2010 15:37
Operator : MRV Inst ID: M.i
Smp Info : VHBLK01 : [] 01/08/10 @1150 (WATER)
Misc Info : 816987,011910MD,1,5
Comment :
Method : /chem/M.i/Msvr.p/maoasmtr.b/somtr4.m
Meth Date : 27-Jan-2010 13:47 jdl Quant Type: ISTD
Cal Date : 18-JAN-2010 13:40 Cal File: mao20v.d
Als bottle: 15
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	8.960	5153565	5.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
10.453	3458103	3.35505923	3.4	0		0	32

Date : 19-JAN-2010 15:37

Client ID: VHBLK01

Instrument: M.i

Sample Info: VHBLK01 :[101/08/10 @1150(WATER)

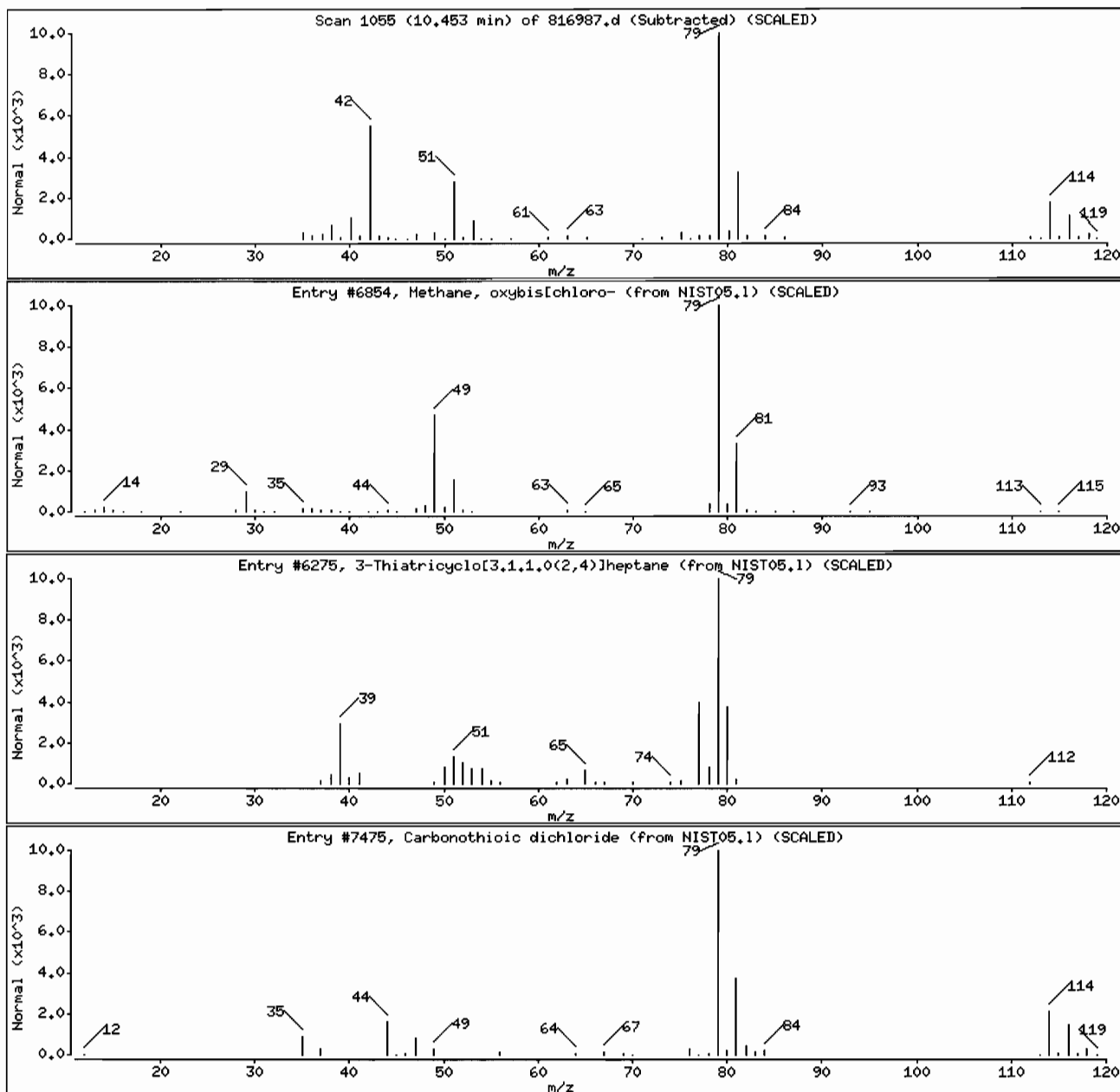
Purge Volume: 25.0

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	37	C6H8S	112
Carbonothioic dichloride	463-71-8	NIST05.1	7475	37	CCl2S	114





Sample Preparation – SOM01.2 Volatiles – Trace

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

===== Instrument M - No Manual Integrations =====

JTB 01/20/10

TestAmerica Burlington - Manual Integration Summary
SDG: 135376 Fraction: Volatile

Lab Sample ID	Client Sample ID		Sample Type	Inst.	Column	Analysis Date		Filename	Analyst	Date-Time	Sign-Off
	Peak RT					Manual Integration Flag					
816976	B03211-212	SAMPLE	2-Butanone	M	DB-624	19-JAN-2010 11:56		816976	jdl	01/19/10 22:10	JPD01/27/10
	7.320					MI1 - Poor automated baseline					
816979	SB03 DUP	SAMPLE	2-Butanone	M	DB-624	19-JAN-2010 13:31		816979	jdl	01/19/10 22:18	↓
	7.310					MI1 - Poor automated baseline					

2

Sequence			Standard Traceability			Instrument Information			Instrument Performance Checks		
Batch ID: MA05M-IL			BFB Lot# MV12-10901			Instrument: HP5971 Instrument ID: M			☒ Tune STD ☒ RF Summary		
Test Method: SEM trace			ISTD Lot #: MV01081001			Column Type: Capillary			☒ Internal Standard Response		
ICAL Date: 11/8/10 Time: 1038			Surrogate Lot # MV12-10903			Purge Volume: ☐ 5 mL ☒ 10 mL ☐ 25 mL			☒ RT & Ratios Updated		
Start Date: 11/8/10 Time: 1138			CAL STD Lot # MV12-10902						☐ Batch MS/MSD was not performed due to insufficient sample volume		
End Date: 11/8/10 Time: 2234			LCS/MS Lot # MV12-10904								
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	MA001VV	BFBMC	NA	/	MN	NA	/	/	MN		
1102	MA0601	BLANK		/	/	NA	/	/	/		
1134	MA000SV	VST0005MC		/	/	/	/	/	/		
1206	MAO OIV	VST0001MC		/	/	/	/	/	/		
1237	MAO OSU	VST0005MC		/	/	/	/	/	/		
1309	MAO IW	VST0001MC		/	/	/	/	/	/		
1340	MAO ZOV	VST0001MC		/	/	/	/	/	/		
1412	MAO BOD	BLANK		/	/	/	/	/	/		
1444	MA0B05	BLANK		/	/	/	/	/	/		
1529	MA0B0Y	VBLKMC		/	/	/	/	/	/		
1612	816980	135376	A2	100%	/	/	/	/	/	Additive m FPA	
1644	816981		I	/	/	/	/	/	/		
1747	816977			/	/	/	/	/	/		
1819	816975			/	/	/	/	/	/	not run A/Sensor	
	816976			/	/	/	/	/	/		
	816977			/	/	/	/	/	/		
	816978			/	/	/	/	/	/		
	816979			/	/	/	/	/	/		
	MA0B05	VIBLUMMO		/	/	/	/	/	/		
	816987			/	/	/	/	/	/		
	MA005C1	VST0005CM		/	/	/	/	/	/		
	MAO 0502	VST0005C		/	/	/	/	/	/		
1715	MA0B06	VIBLAMP		/	/	/	/	/	/		
				/	/	/	/	/	/	MN 11/19/10	

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

BR-F VMU14:U4.Z9.U9.4

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GC/MS VOA INSTRUMENT RUN LOG

Sequence		Standard Traceability		Instrument Information		Instrument Performance Checks				
Batch ID:	MA0A5M1L	BFB Lot#	NW	Instrument: HP5971	Instrument ID: M	Tune STD	RF Summary			
Test Method:	SWA 4000	ISTD Lot#	NW0181001	Column Type: Capillary		Internal Standard Response				
ICAL Date:	11/8/10	Surrogate Lot#	NW0181002	Purge Volume: ☐ 5 mL ☒ 10 mL ☐ 25 mL		RT & Ratios Updated				
Start Date:	11/9/10	CAL STD Lot#	NW12210902				☐ Batch MS/MSD was not performed due to insufficient sample volume			
End Date:	11/9/10	LCSMS Lot#	NW12210904							
Sequence Information										
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	Comments
0834	MA0A5PV	B20MD	NA		MW	NA			MW	
0902	MA0B01A	PLANN	NA			NA				
0934	MA005AN	V5005MD				NA				
1006	MA0B02A	BLANN				NA				
1132	MA0B03A	V5005MD								
1124	81698152	135376	A1	100/1						(IPAT), acetone 520ppb
1156	816976		A2							
1227	816977									
1251	816978									
1331	816979									
1402	81697510		A1							
1434	81698152		A1							
1506	MA0B04A	V1000MG	NA							ACETONE 450ppb
1537	816987	135376		100/1						NOT NEEDED
1604	817820	135384								IPAT
1640	817821									IPAT
1712	817824									
1744	817818									
1815	817819									
1843	817822									
1918	MA0B05A	BLANN								
1950	MA005AC1	V5005MD								
2021	MA005AC2	V5005MD							JPI	good for closing NOT NEEDED
										JPI 01/20/10

Sequence	Standard Traceability	Instrument Information	Instrument Performance Checks
Batch ID: MA08SMTR	BFB Lot# MV2100901	Instrument: HP5971 Instrument ID: M	☒ Tune STD ☒ RT Summary
Test Method: SOM TRACE	ISTD Lot # MV01081001	Column Type: Capillary	☒ Internal Standard Response
ICAL Date: 11/8/10	Surrogate Lot # MV01181002	Purge Volume: ☐ 5 mL ☒ 10 mL ☒ 25 mL	☒ RT & Ratios Updated
Start Date: 11/21/10 Time: 1709	CAL STD Lot # MV2210902		☐ Batch MS/MSD was not performed due to insufficient sample volume
End Date: 11/21/10 Time: 0509	LCS/MS Lot #		

[illegible]

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

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VOLATILE WATER SAMPLE PRESERVATION LOG

Date	Analyst	SDG	ETR	Lab ID	Bottle Code	pH (pH units)	Test Method	Hold Time (days)
1-07-10	J.J.	A2L76	135356	816910	A1	< 2	SOMOL.2 TR	1-17
				911				
				912				
				913				
				914				
				915				
				916	A7			
				923	A1			
				925	A1			
1-07-10	J.J.	COET9	135363	816935	A1	< 2	SOMOL.2 TR	1-14
				936				
				937				
1-08-10	J.J.	A2L76	135356	816908	A1	< 2	SOMOL.2 ANW	1-17
				909				
				917				
				918				
				919				
				920				
				924				
1-09-10	J.J.	135360	135360	816926	A1	< 2	SOMOL.2 TR	1-17
				927				
				928				
				929				
				930				
				931				
				932				
				933				
				934				
				938				
1-09-10	J.J.	AM499	135384	817025	A1	< 2	8260B LW	1-21
				026				
				027				
1-09-10	J.J.	135376	135376	816974	A1	< 2	SOMOL.2 TR	1-18
				975				
				976				
				977				
				978				
				979				
				980				
				981				
				987				

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).

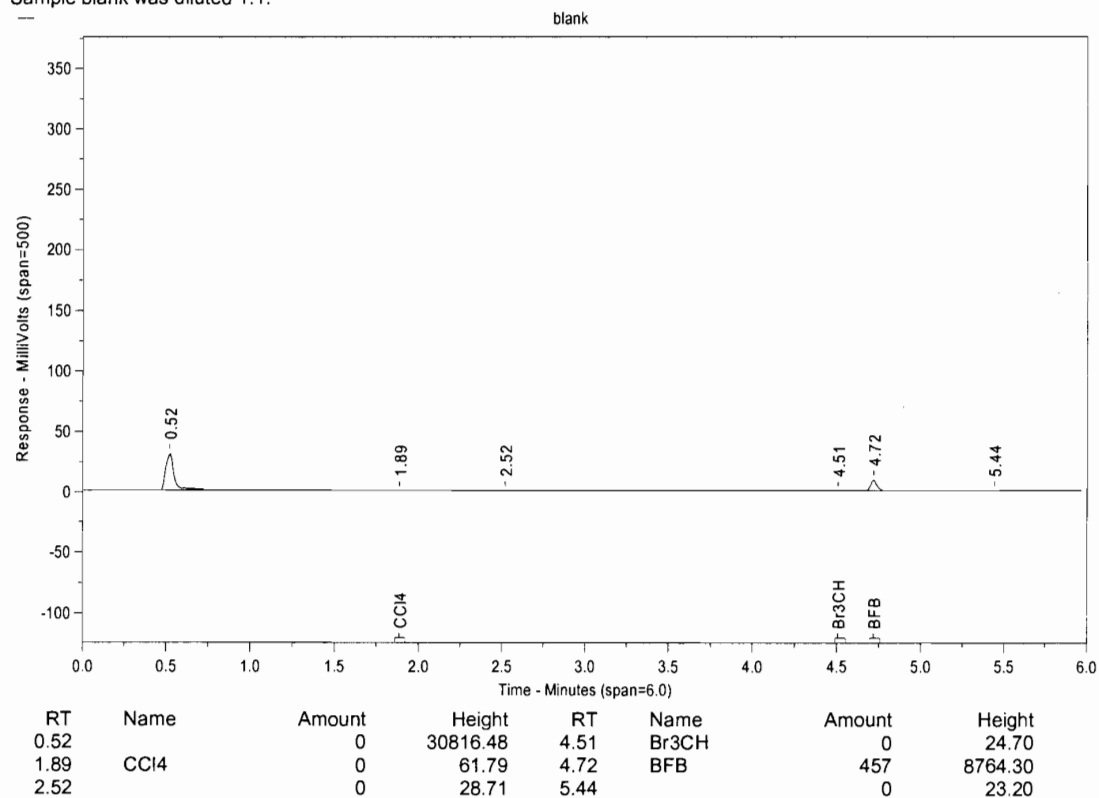
Chrom Perfect Chromatogram Report

Sample Name: blank

Data File: C:\CPSpirit5\Data2\VoaE010910.0013.RAW

Acquired from Instrument 1 on 1/9/10 1:18:02 PM by

Sample blank was diluted 1:1.



Surrogate BFB recovery is 114.2%

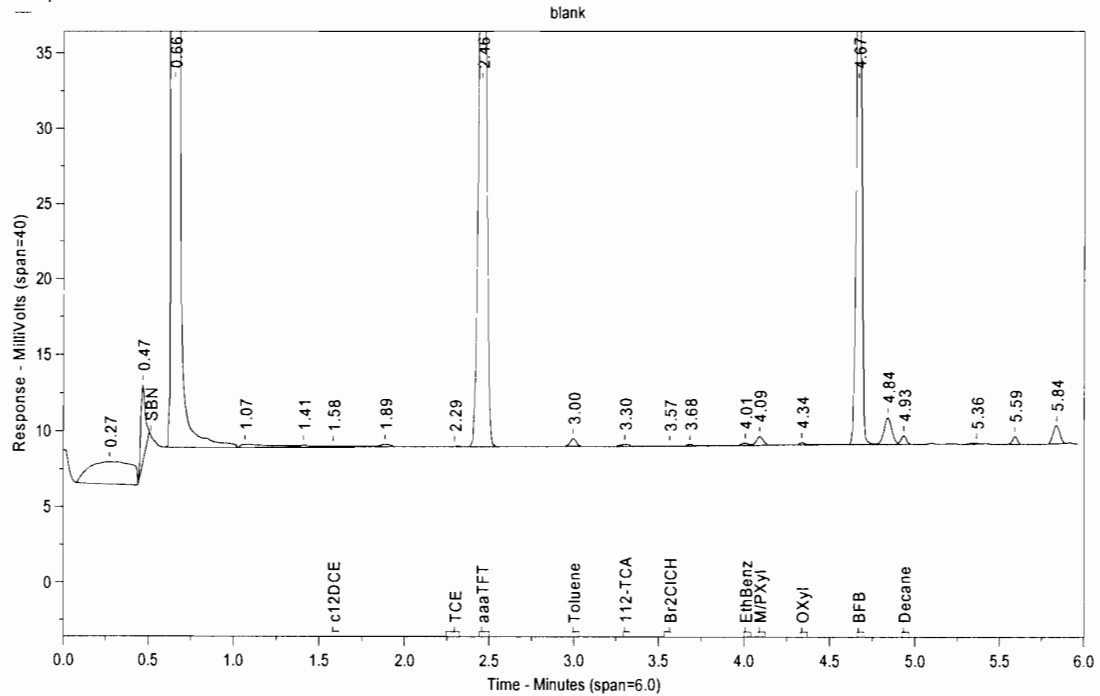
Chrom Perfect Chromatogram Report

Sample Name: blank

Data File: C:\CPSpirit5\Data2\VoaF010910.0013.RAW

Acquired from Instrument 1 on 1/9/10 1:18:02 PM by

Sample blank was diluted 1:1.



Surrogate aaaTFT recovery is 100.9%

Surrogate BFB recovery is 104.4%

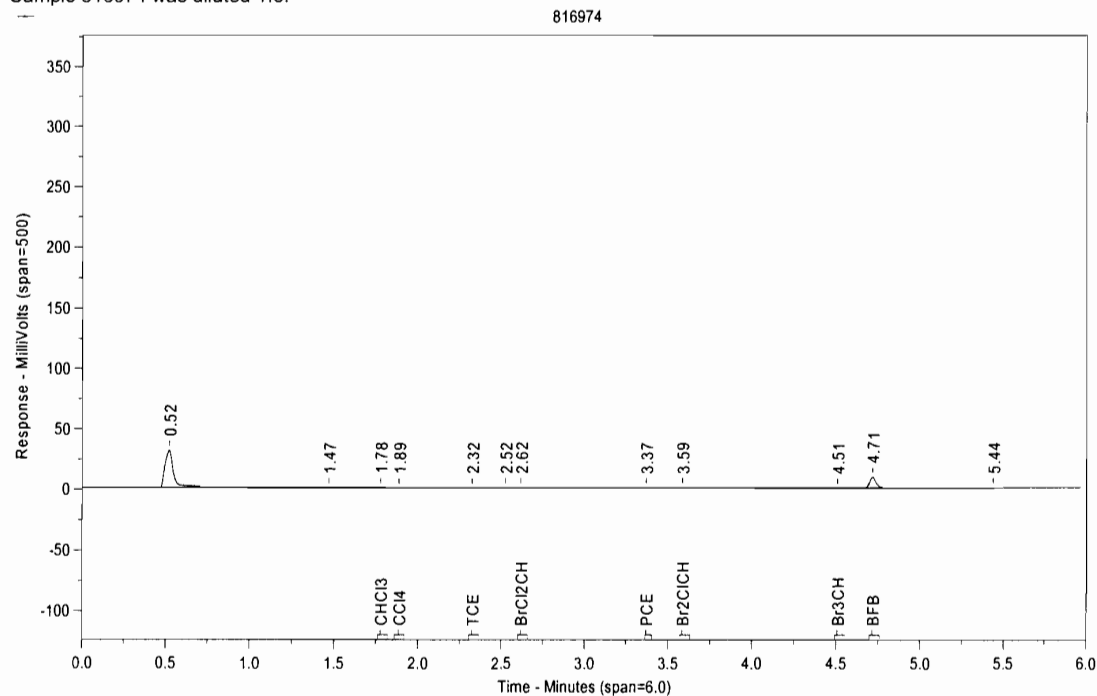
Chrom Perfect Chromatogram Report

Sample Name: 816974

Data File: C:\CPSpirit5\Data2\VoaE010910.0014.RAW

Acquired from Instrument 1 on 1/9/10 1:29:23 PM by

Sample 816974 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	31559.86	2.62	BrCl2CH	1	351.00
1.47		0	53.09	3.37	PCE	0	74.98
1.78	CHCl3	1	143.07	3.59	Br2ClCH	1	248.58
1.89	CCl4	0	70.70	4.51	Br3CH	1	83.11
2.32	TCE	1	96.97	4.71	BFB	2301	8819.61
2.52		0	30.89	5.44		0	24.15

Surrogate BFB recovery is 115.0%

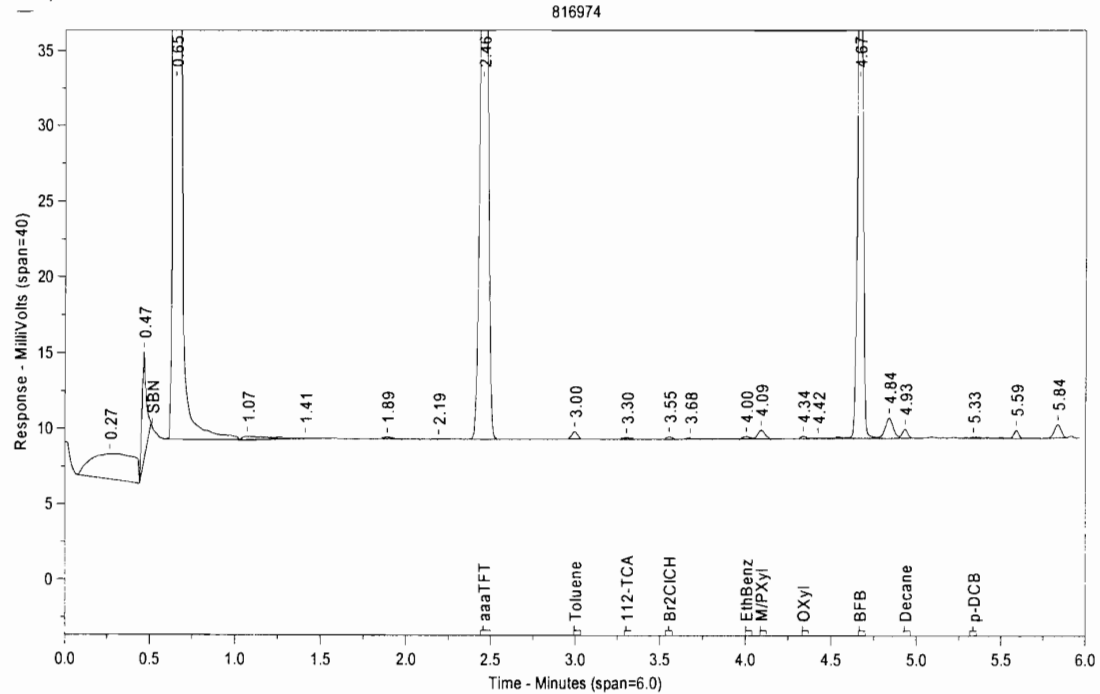
Chrom Perfect Chromatogram Report

Sample Name: 816974

Data File: C:\CPSpirit5\Data2\VoaF010910.0014.RAW

Acquired from Instrument 1 on 1/9/10 1:29:23 PM by

Sample 816974 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1683.19	3.68		0	103.11
0.47		0	7163.85	4.00	EthBenz	2	165.19
0.65		0	628831.19	4.09	M/PXyl	7	577.16
1.07		0	226.95	4.34	OXyl	2	164.62
1.41		0	88.28	4.42		0	77.62
1.89		0	135.87	4.67	BFB	2111	44215.45
2.19		0	36.68	4.84		0	1364.69
2.46	aaaTFT	2122	52962.71	4.93	Decane	7	607.39
3.00	Toluene	12	503.49	5.33	p-DCB	2	75.88
3.30	112-TCA	6	112.32	5.59		0	520.70
3.55	Br2CICH	87	168.03	5.84		0	886.20

Surrogate aaaTFT recovery is 106.1%

Surrogate BFB recovery is 105.5%

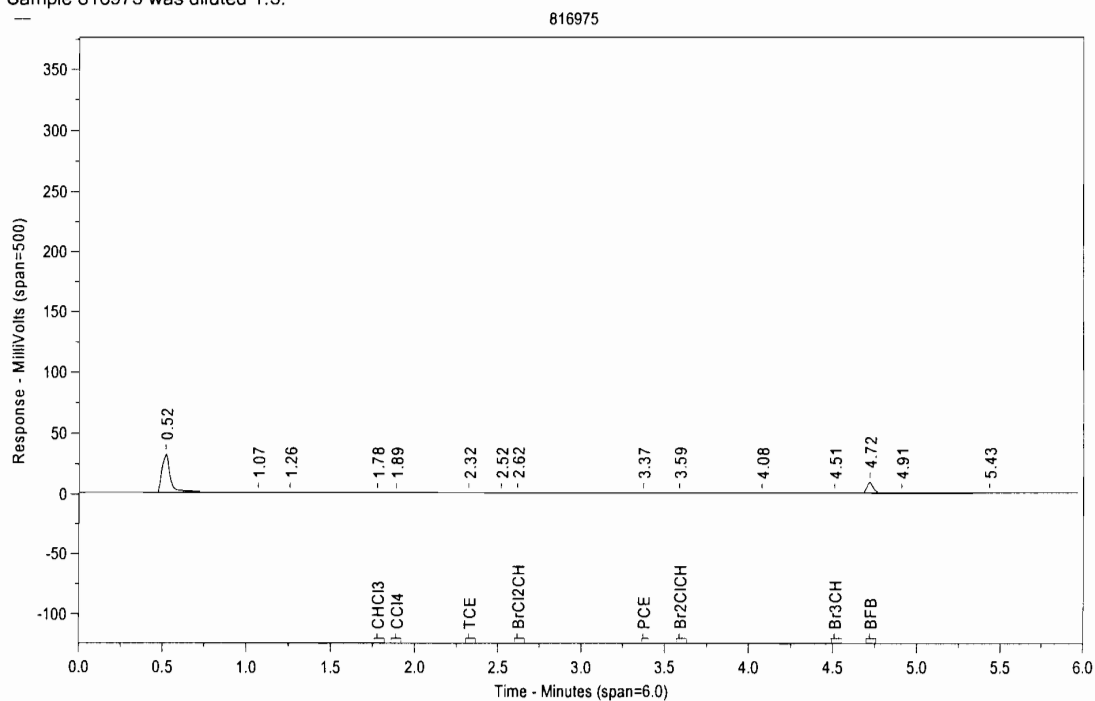
Chrom Perfect Chromatogram Report

Sample Name: 816975

Data File: C:\CPSpirit5\Data2\VoaE010910.0015.RAW

Acquired from Instrument 1 on 1/9/10 1:40:55 PM by

Sample 816975 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	32092.95	3.37	PCE	0	130.36
1.07		0	129.90	3.59	Br2ClCH	1	247.56
1.26		0	105.25	4.08		0	23.70
1.78	CHCl3	1	154.18	4.51	Br3CH	1	81.40
1.89	CCl4	0	76.30	4.72	BFB	2288	8775.73
2.32	TCE	1	234.98	4.91		0	31.26
2.52		0	28.84	5.43		0	24.41
2.62	BrCl2CH	1	360.26				

Surrogate BFB recovery is 114.4%

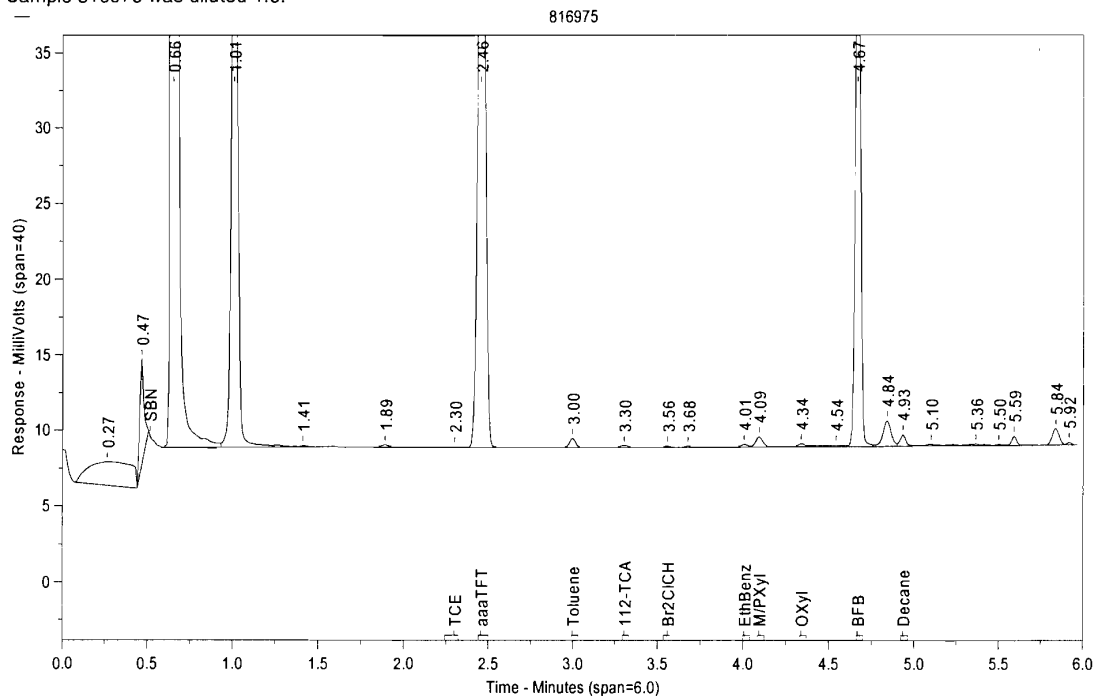
Chrom Perfect Chromatogram Report

Sample Name: 816975

Data File: C:\CPSpirit5\Data2\VoaF010910.0015.RAW

Acquired from Instrument 1 on 1/9/10 1:40:56 PM by

Sample 816975 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1554.93	4.09	M/PyXyl	10	688.73
0.47		0	7122.87	4.34	OXyl	3	216.00
0.66		0	624776.81	4.54		0	111.78
1.01		0	50475.00	4.67	BFB	2082	43607.20
1.41		0	107.18	4.84		0	1701.23
1.89		0	168.50	4.93	Decane	10	766.77
2.30	TCE	2	59.67	5.10		0	125.11
2.46	aaaTFT	2092	52207.47	5.36		0	121.63
3.00	Toluene	15	629.58	5.50		0	99.67
3.30	112-TCA	10	135.50	5.59		0	625.91
3.56	Br2ClCH	51	105.28	5.84		0	1091.82
3.68		0	105.49	5.92		0	167.24
4.01	EthBenz	3	189.77				

Surrogate aaaTFT recovery is 104.6%

Surrogate BFB recovery is 104.1%

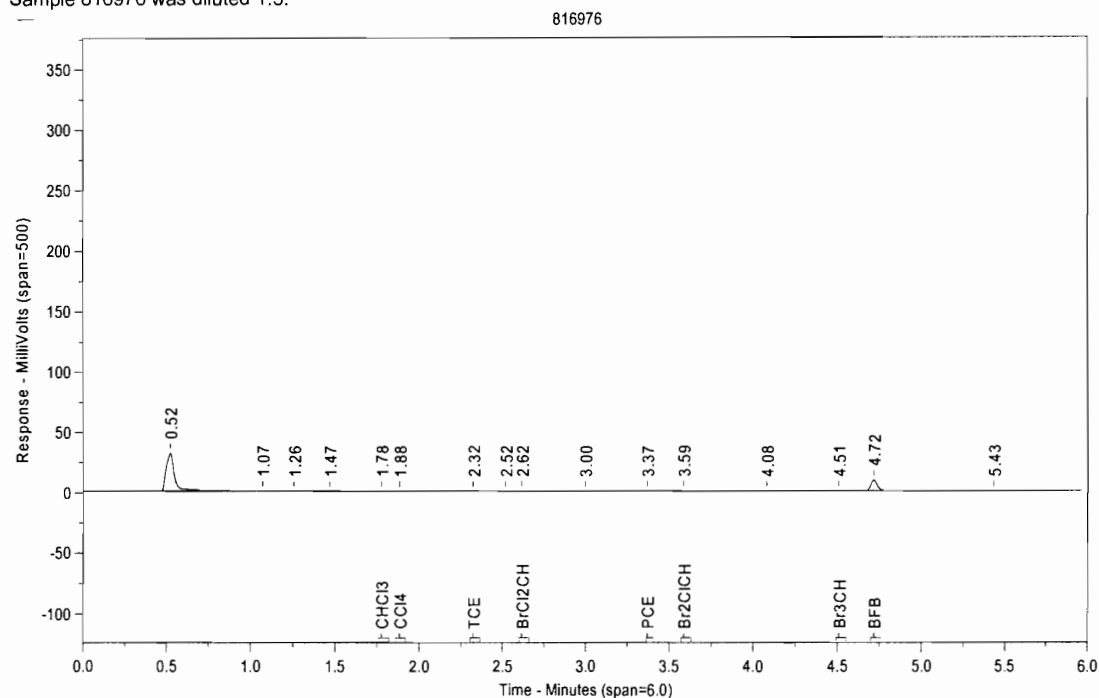
Chrom Perfect Chromatogram Report

Sample Name: 816976

Data File: C:\CPSpirit5\Data2\VoaE010910.0016.RAW

Acquired from Instrument 1 on 1/9/10 1:52:13 PM by

Sample 816976 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	32008.78	2.62	BrCl2CH	1	342.97
1.07		0	172.00	3.00		0	19.90
1.26		0	54.49	3.37	PCE	0	100.24
1.47		0	48.03	3.59	Br2CICH	1	229.33
1.78	CHCl3	1	165.65	4.08		0	21.88
1.88	CCl4	0	72.18	4.51	Br3CH	1	75.43
2.32	TCE	1	220.14	4.72	BFB	2351	8993.91
2.52		0	32.93	5.43		0	26.05

Surrogate BFB recovery is 117.5%

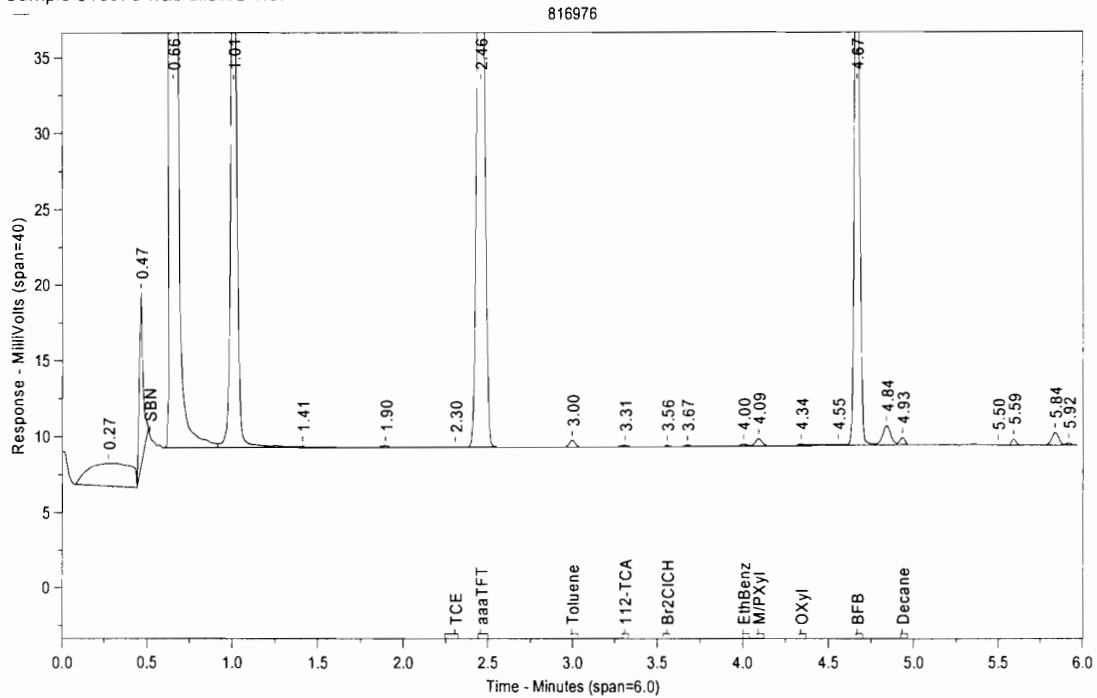
Chrom Perfect Chromatogram Report

Sample Name: 816976

Data File: C:\CPSpirit5\Data2\VoaF010910.0016.RAW

Acquired from Instrument 1 on 1/9/10 1:52:14 PM by

Sample 816976 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1493.02	4.00	EthBenz	1	141.37
0.47		0	11382.79	4.09	M/PyXyl	6	502.65
0.66		0	630212.19	4.34	OXyl	1	111.81
1.01		0	41299.32	4.55		0	78.67
1.41		0	81.05	4.67	BFB	2155	45143.20
1.90		0	102.12	4.84		0	1291.47
2.30	TCE	2	59.24	4.93	Decane	4	485.24
2.46	aaaTFT	2152	53698.68	5.50		0	47.79
3.00	Toluene	11	455.61	5.59		0	400.70
3.31	112-TCA	7	116.68	5.84		0	836.15
3.56	Br2CICH	55	111.86	5.92		0	148.53
3.67		0	112.83				

Surrogate aaaTFT recovery is 107.6%

Surrogate BFB recovery is 107.8%

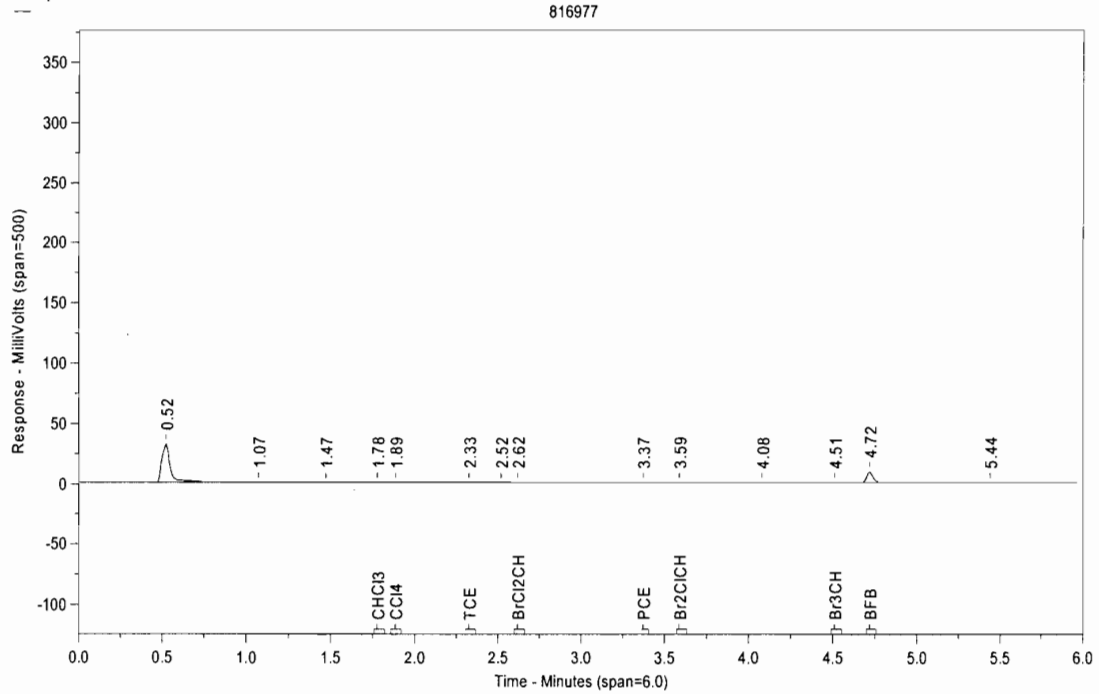
Chrom Perfect Chromatogram Report

Sample Name: 816977

Data File: C:\CPSpirit5\Data2\VoaE010910.0017.RAW

Acquired from Instrument 1 on 1/9/10 2:03:44 PM by

Sample 816977 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	31855.81	2.62	BrCl2CH	1	321.41
1.07		0	97.52	3.37	PCE	0	80.66
1.47		0	49.36	3.59	Br2ClCH	1	215.16
1.78	CHCl3	1	149.78	4.08		0	23.38
1.89	CCl4	0	71.20	4.51	Br3CH	1	71.40
2.33	TCE	1	195.02	4.72	BFB	2343	8965.08
2.52		0	31.61	5.44		0	22.69

Surrogate BFB recovery is 117.1%

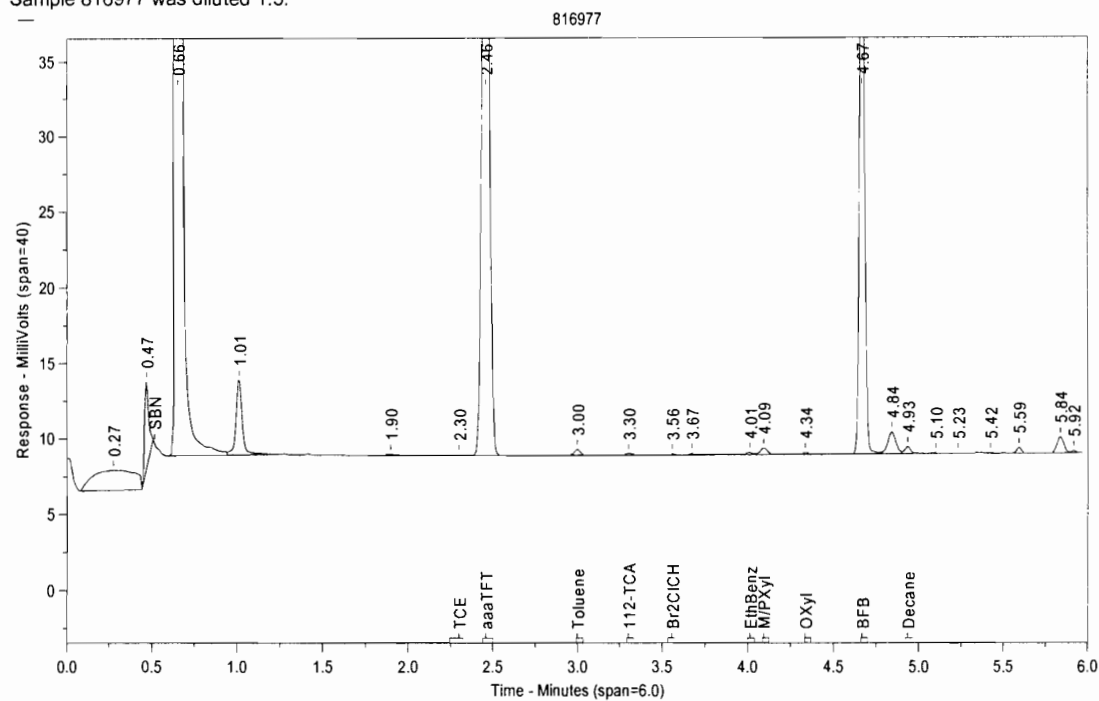
Chrom Perfect Chromatogram Report

Sample Name: 816977

Data File: C:\CPSpirit5\Data2\VoaF010910.0017.RAW

Acquired from Instrument 1 on 1/9/10 2:03:44 PM by

Sample 816977 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1324.77	4.09	M/Pyxl	4	444.25
0.47		0	6003.34	4.34	OXyl	1	128.56
0.66		0	620666.56	4.67	BFB	2132	44654.32
1.01		0	5088.10	4.84		0	1458.50
1.90		0	89.04	4.93	Decane	4	471.24
2.30	TCE	2	66.99	5.10		0	60.30
2.46	aaaTFT	2142	53460.22	5.23		0	44.54
3.00	Toluene	9	379.35	5.42		0	44.59
3.30	112-TCA	7	118.07	5.59		0	372.81
3.56	Br2CICH	41	86.47	5.84		0	1058.20
3.67		0	113.13	5.92		0	140.08
4.01	EthBenz	1	138.77				

Surrogate aaaTFT recovery is 107.1%

Surrogate BFB recovery is 106.6%

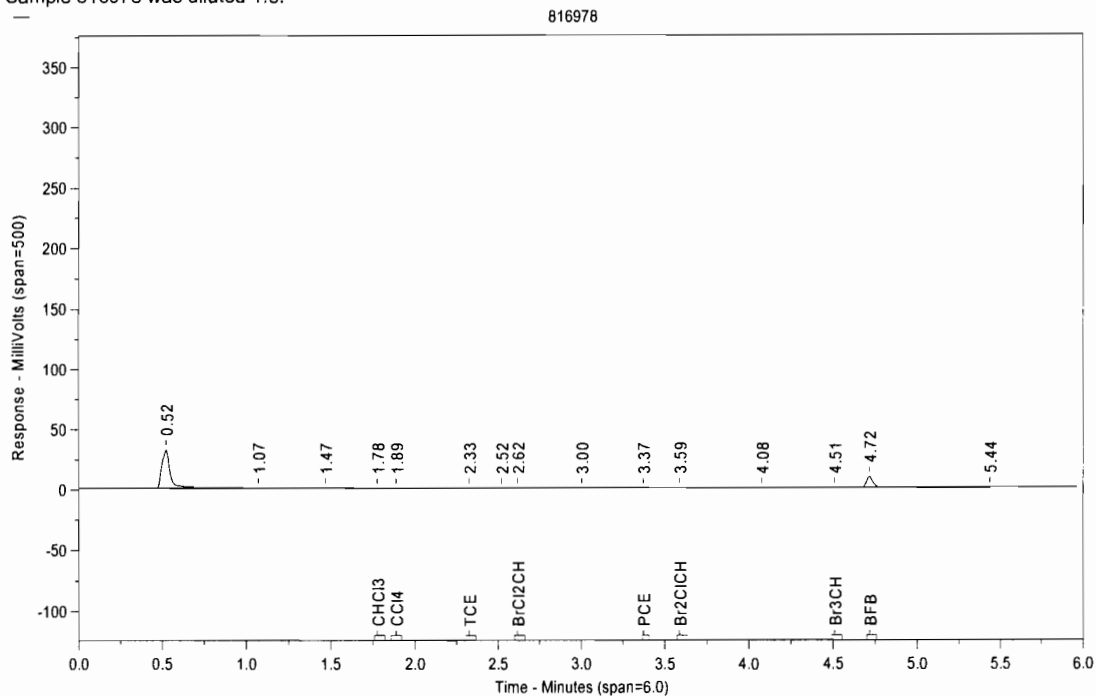
Chrom Perfect Chromatogram Report

Sample Name: 816978

Data File: C:\CPSpirit5\Data2\VoaE010910.0018.RAW

Acquired from Instrument 1 on 1/9/10 2:15:01 PM by

Sample 816978 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	32238.09	3.00		0	22.26
1.07		0	105.31	3.37	PCE	0	73.51
1.47		0	49.56	3.59	Br2ClCH	1	172.86
1.78	CHCl3	1	94.47	4.08		0	25.14
1.89	CCl4	0	70.88	4.51	Br3CH	1	65.97
2.33	TCE	1	117.22	4.72	BFB	2330	8922.04
2.52		0	31.78	5.44		0	21.79
2.62	BrCl2CH	1	231.92				

Surrogate BFB recovery is 116.5%

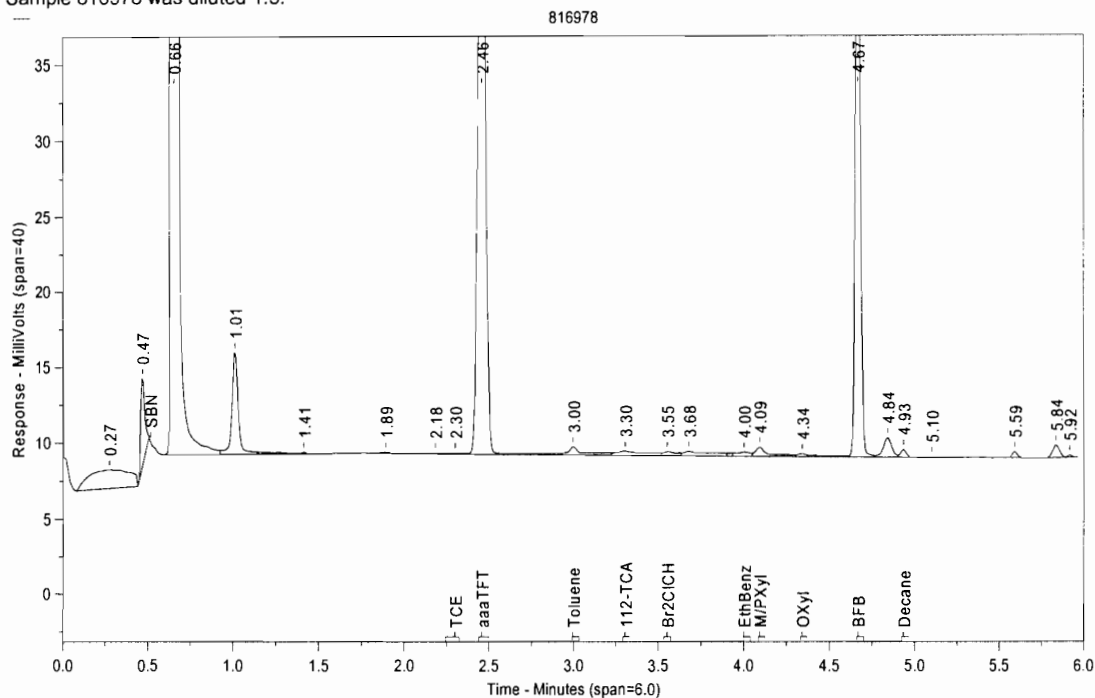
Chrom Perfect Chromatogram Report

Sample Name: 816978

Data File: C:\CPSpirit5\Data2\VoaF010910.0018.RAW

Acquired from Instrument 1 on 1/9/10 2:15:01 PM by

Sample 816978 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1224.21	3.68		0	286.57
0.47		0	6096.49	4.00	EthBenz	4	274.14
0.66		0	618088.81	4.09	M/PXyl	8	592.42
1.01		0	6872.63	4.34	OXyl	3	201.88
1.41		0	92.10	4.67	BFB	2124	44493.65
1.89		0	94.11	4.84		0	1268.78
2.18		0	64.40	4.93	Decane	5	501.37
2.30	TCE	6	100.79	5.10		0	51.01
2.46	aaaTFT	2155	53770.98	5.59		0	405.31
3.00	Toluene	12	530.27	5.84		0	802.29
3.30	112-TCA	32	265.79	5.92		0	130.75
3.55	Br2CICH	134	249.09				

Surrogate aaaTFT recovery is 107.7%

Surrogate BFB recovery is 106.2%

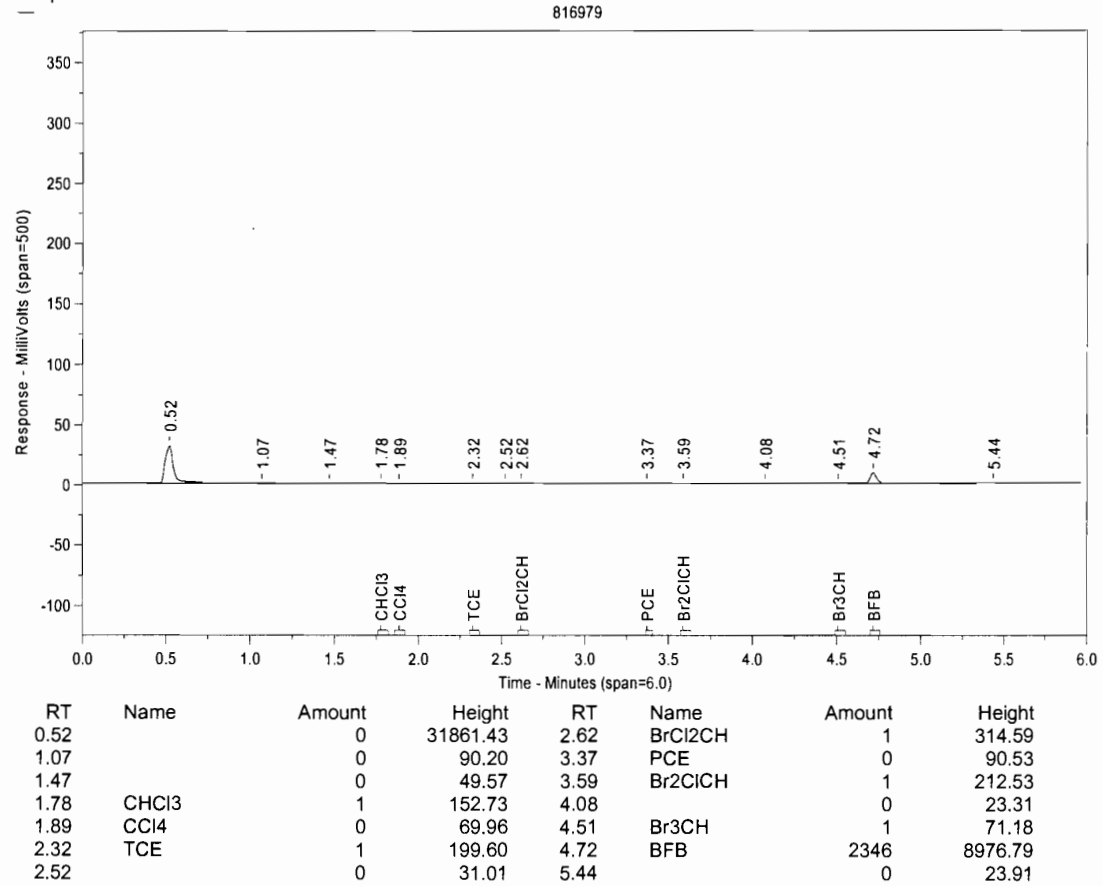
Chrom Perfect Chromatogram Report

Sample Name: 816979

Data File: C:\CPSpirit5\Data2\VoaE010910.0019.RAW

Acquired from Instrument 1 on 1/9/10 2:26:33 PM by

Sample 816979 was diluted 1:5.



Surrogate BFB recovery is 117.3%

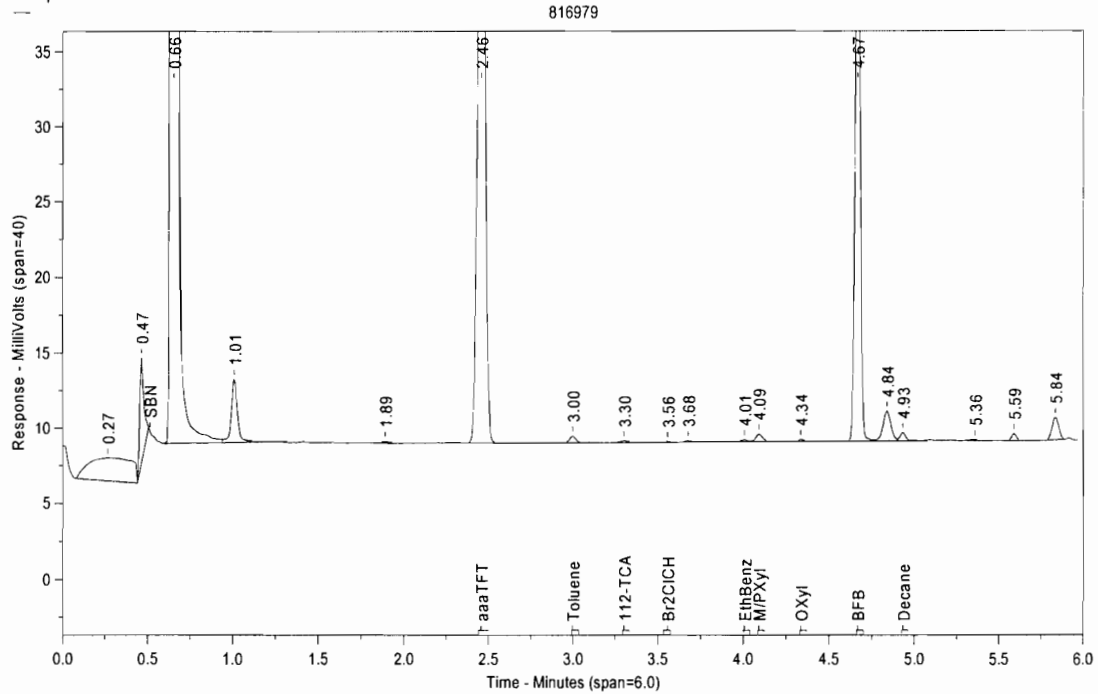
Chrom Perfect Chromatogram Report

Sample Name: 816979

Data File: C:\CPSPirit5\Data2\VoaF010910.0019.RAW

Acquired from Instrument 1 on 1/9/10 2:26:33 PM by

Sample 816979 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1528.11	4.01	EthBenz	1	125.80
0.47		0	6966.23	4.09	M/PXyl	6	502.25
0.66		0	625608.31	4.34	OXyl	1	132.77
1.01		0	4279.90	4.67	BFB	2149	45007.57
1.89		0	114.37	4.84		0	1987.21
2.46	aaaTFT	2145	53532.43	4.93	Decane	6	554.91
3.00	Toluene	11	455.53	5.36		0	78.42
3.30	112-TCA	10	134.90	5.59		0	475.87
3.56	Br2ClCH	38	82.64	5.84		0	1503.34
3.68		0	107.29				

Surrogate aaaTFT recovery is 107.3%

Surrogate BFB recovery is 107.4%



Sample Handling

*attn: Jon
 of
 Panther*

UPS Internet Shipping: View/Print Label

1. **Print the label(s):** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.
3. **GETTING YOUR SHIPMENT TO UPS**

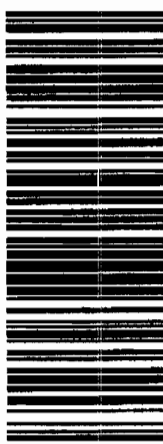
Customers without a Daily Pickup

 - Schedule a same day or future day Pickup to have a UPS driver pickup all of your Internet Shipping packages.
 - Hand the package to any UPS driver in your area.
 - Take your package to any location of The UPS Store[®], UPS Drop Box, UPS Customer Center, UPS Alliances (Office Depot[®] or Staples[®]) or Authorized Shipping Outlet near you. Items sent via UPS Return ServicesSM (including via Ground) are also accepted at Drop Boxes.
 - To find the location nearest you, please visit the 'Find Locations' Quick link at ups.com.

Customers with a Daily Pickup

 - Your driver will pickup your shipment(s) as usual.

FOLD HERE

30 LBS 1 OF 1 DWT: 20.16.15 SHIP TO: SAMPLE RECEIVING 802-660-1990 TEST AMERICA 30 COMMUNITY DRIVE, SUITE 11 SOUTH BURLINGTON VT 05403-6834 JON SIMPSON 856-296-3435 PANTHER @ LAI 100 SHEEP PASTURE ROAD PORT JEFFERSON NY 11777	VT 054 0-02 	1 UPS NEXT DAY AIR TRACKING #: 1Z RA7 732 01 9818 7053		US 12.0.14. W07160 96.0A.10/2009 BILLING: P/P

https://www.ups.com/uis/create?ActionOriginPair=print__UISReceipt&POPUP_LEVEL=... 1/7/2010

From: Origin ID: ISPA (856) 296-3435
Jon Simpson
Panther @ LAI
100 Sheep Pasture Road

Port Jefferson, NY 11777



J0810096731223

SHIP TO: (802) 660-1990

BILL SENDER

**Sample Receiving
Test America**

30 COMMUNITY DR STE 11

SOUTH BURLINGTON, VT 05403

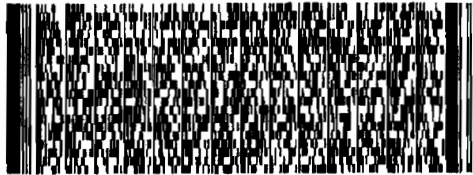
Ship Date: 08JAN10
ActWgt: 8.0 LB
CAD: 4126056/INET9090
Account#: S *****

Dims: 20 X 15 X 16 IN

Delivery Address Bar Code



Ref #
Invoice #
PO #
Dept #

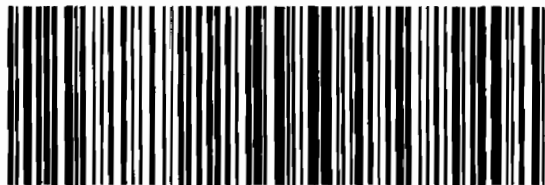


TRK# 7982 8715 1411
0201

**### SATURDAY ### AA
PRIORITY OVERNIGHT**

X0 BTVA

**05403
VT-US
BTB**



After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

TestAmerica Burlington
SAMPLE RECEIPT & LOG IN CHECKLIST

Client: PANTEC	Date Received: 1/8/10	Log In Date: 01/08/10
ETR: 135376	Time Received: 015	By: [Signature]
SDG: 135376	Received By: GTm	Signature: [Signature]
Project: 29000	# Coolers Received: 1	PM Signature: [Signature]
Samples Delivered By: ☒ Shipping Service ☐ Courier ☐ Hand ☐ Other (specify)		Date: 1/8/10
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:	Wet Ice ☒	Blue Ice ☐	None ☐	Other Specify
IR Gun ID: 96	Correction Factor (CF) = 1 °C			
Cooler 1: 4.9 °C	Cooler 6	Cooler 11	Cooler 16	
Cooler 2: °C	Cooler 7	Cooler 12	Cooler 17	
Cooler 3: °C	Cooler 8	Cooler 13	Cooler 18	
Cooler 4: °C	Cooler 9	Cooler 14	Cooler 19	
Cooler 5: °C	Cooler 10	Cooler 15	Cooler 20	

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			
• Date of Sample Collection	X			
• Time of Sample Collection	X			
• Identification of the Sampler		X		Only on 1 of 2 COCs.
• 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		See below
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
 Did not receive 202 jar listed on COC for sample ISCO SB03 210'-211'
 Received sample not listed on COC, labeled as ISCO SB03 230'-231' with date
 and time of 01/07/10 at 1515. Date time and 20 Rm labels used R-1445.
 Sample label on 202 jar R-ISCO SB03 192'-193' lists a time of 1445, typed with
 the of 1450 R-ISCO COC, matches this sample match COC.
 2 of 3 Encures for sample ISCO SB03 220'-221' have labels listing ID of
 ISCO SB03 221'-222', date and time in label match COC, typed with 70 R-ISCO.
 Because sample ISCO SB03 210'-211' was not mixed with 202 jar, no 90 solids can
 be run. Sample ISCO SB03 193' needs as only one vial, limited value. All sample IDs have label
 at 1445 due to character restrictions, all foot markers removed.

Encures placed in VOA Ridge 2469 on 01/08/09 at 1145

TestAmerica Burlington SAMPLE RECEIPT & LOG IN CHECKLIST			
Client: <u>PANTEC</u>		Date Received: <u>1/09/10</u>	Log In Date: <u>1/8/10</u>
ETR: <u>135376</u>		Time Received: <u>1600</u>	By: <u>[Signature]</u>
SDG: <u>135376</u>		Received By: <u>VP</u>	Signature: <u>[Signature]</u>
Project: <u>24000</u>		# Coolers Received: <u>1</u>	PM Signature: <u>[Signature]</u>
Samples Delivered By: ☒ Shipping Service ☐ Courier ☐ Hand ☐ Other (specify)			Date: <u>1/28/2010</u>
List Air bill Number(s) or Attach a photocopy of the Air Bill:			
COOLER SCREEN			
There is no evidence to indicate tampering	YES	NO	NA
Custody seals are present and intact	☒	☒	
Custody seal numbers are present		☒	
If yes, list custody seal numbers:			
Thermal Preservation Type: Wet Ice ☒ Blue Ice ☐ None ☐ Other Specify			
IR Gun ID: <u>96</u>		Correction Factor (CF) = <u>0</u> °C	
Cooler 1: <u>4.7</u> °C	Cooler 6	Cooler 11	Cooler 16
Cooler 2: °C	Cooler 7	Cooler 12	Cooler 17
Cooler 3: °C	Cooler 8	Cooler 13	Cooler 18
Cooler 4: °C	Cooler 9	Cooler 14	Cooler 19
Cooler 5: °C	Cooler 10	Cooler 15	Cooler 20
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			
Sample containers were received intact	YES	NO	NA
Legible sample labels are affixed to each container	☒		
CHAIN OF CUSTODY (COC)			
COC is present and includes the following information for each container:	YES	NO	NA
• Sample ID / Sample Description	☒		
• Date of Sample Collection	☒		
• Time of Sample Collection	☒		
• Identification of the Sampler	☒		
• Preservation Type			☒
• Requested Tests Method(s)	☒		
• Necessary Signatures	☒		
Internal Chain of Custody (ICOC) Required		☒	
If yes to above, ICOC Record initiated for every Worksheet			☒
SAMPLE INTEGRITY / USABILITY			
The sample container matches the COC	YES	NO	NA
Appropriate sample containers were received for the tests requested	☒		
Samples were received within holding time	☒		
Sufficient amount of sample is provided for requested analyses	☒		
VOA vials do not have headspace or a bubble >6mm (1/4" diameter)			☒
Appropriate preservatives were used for the tests requested			☒
pH of inorganic samples checked and is within method specification			☒
If no, attach Inorganic Sample pH Adjustment Form			☒
ANOMALY / NCR SUMMARY			
<u>207945 for sample ISCO SB03 2101-2111 originally listed as sent then receipt on 1/8/10. Sample logged in on 1/8/10, received and placed into storage on 1/9/10.</u>			