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SEVERN TRENT STL

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720

Tel: 330 497 9396 Fax: 330 497 0772
www.stl-inc.com

ANALYTICAL REPORT

EMD CHEMICAL/OHIO

Lot #: A4L230115

Angela Hurley

The Payne Firm, Inc.
11231 Cornell Park Drive
Cincinnati, OH 45242

SEVERN TRENT LABORATORIES, INC.

Roger K. Toth
Project Manager

January 18, 2005

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE
A4L230115

The following report contains the analytical results for sixteen water samples and one quality control sample submitted to STL North Canton by The Payne Firm, Inc. from the EMD Chemical/Ohio Site. The samples were received December 23, 2004, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Angela Hurley and Kevin Kallini on January 11, 2005. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Roger K. Toth, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 4.1°C.

See STL's Cooler Receipt Form for additional information.

CASE NARRATIVE (continued)

GC/MS VOLATILES

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

The matrix spike/matrix spike duplicate(s) for MW-31D/122204 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

The matrix spike/matrix spike duplicate(s) for batch(es) 5003269 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL), the analytes were greater than 10 times the blank level for organics or 20 times for inorganics, or the associated sample(s) must be ND except for the common laboratory contaminants indicated below.

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

** for analyses run on TJA Trace ICP only*

The listed volatile and semivolatile compounds may be present in concentrations up to 5 times the reporting limits. Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria does not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike for inorganics.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample are spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If the surrogate recoveries are outside criteria for environmental or MS/MSD samples, the batch is acceptable if the Method Blank, LCS, and LCSD surrogate recoveries are within acceptance criteria. The only exception is if the surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank and the associated sample(s) are ND, the batch is acceptable. If the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide/PCB and PAH methods, the surrogate criteria is that one of two surrogate compounds meet acceptance criteria.

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EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A4L230115

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
WRPZ20/122104 12/21/04 10:03 002				
Acetone	0.78 J,B	10	ug/L	SW846 8260B
MW-26/122104 12/21/04 13:27 003				
cis-1,2-Dichloroethene	47	6.7	ug/L	SW846 8260B
trans-1,2-Dichloroethene	3.6 J	6.7	ug/L	SW846 8260B
1,2-Dichloroethene (total)	51	13	ug/L	SW846 8260B
1,4-Dioxane	88 J	330	ug/L	SW846 8260B
Trichloroethene	160	6.7	ug/L	SW846 8260B
MW-2/122104 12/21/04 15:29 005				
1,2-Dichloroethane	0.28 J	1.0	ug/L	SW846 8260B
MW-8/122204 12/22/04 10:10 006				
Benzene	7.8 J	17	ug/L	SW846 8260B
Chlorobenzene	4.0 J	17	ug/L	SW846 8260B
cis-1,2-Dichloroethene	380	17	ug/L	SW846 8260B
1,2-Dichloroethene (total)	380	33	ug/L	SW846 8260B
Vinyl chloride	160	17	ug/L	SW846 8260B
MW-31D/122204 12/22/04 11:05 007				
Benzene	9.4	6.7	ug/L	SW846 8260B
1,1-Dichloroethane	1.9 J	6.7	ug/L	SW846 8260B
1,2-Dichloroethane	19	6.7	ug/L	SW846 8260B
cis-1,2-Dichloroethene	170	6.7	ug/L	SW846 8260B
trans-1,2-Dichloroethene	6.0 J	6.7	ug/L	SW846 8260B
1,2-Dichloroethene (total)	180	13	ug/L	SW846 8260B
1,4-Dioxane	4300	330	ug/L	SW846 8260B
Trichloroethene	32	6.7	ug/L	SW846 8260B
Vinyl chloride	41	6.7	ug/L	SW846 8260B
WEST RAVINE OUTFALL/122204 12/22/04 10:00 008				
Acetone	170 B	170	ug/L	SW846 8260B
Benzene	76	17	ug/L	SW846 8260B
Chlorobenzene	19	17	ug/L	SW846 8260B
Chloroform	9.6 J	17	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4L230115

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
WEST RAVINE OUTFALL/122204 12/22/04 10:00 008				
1,1-Dichloroethane	5.6 J	17	ug/L	SW846 8260B
1,2-Dichloroethane	21	17	ug/L	SW846 8260B
cis-1,2-Dichloroethene	390	17	ug/L	SW846 8260B
trans-1,2-Dichloroethene	3.1 J	17	ug/L	SW846 8260B
1,2-Dichloroethene (total)	390	33	ug/L	SW846 8260B
1,4-Dioxane	1200	830	ug/L	SW846 8260B
Ethylbenzene	38	17	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	13 J	17	ug/L	SW846 8260B
Tetrachloroethene	9.2 J	17	ug/L	SW846 8260B
Toluene	250	17	ug/L	SW846 8260B
Trichloroethene	14 J	17	ug/L	SW846 8260B
Vinyl chloride	12 J	17	ug/L	SW846 8260B
Xylenes (total)	290	33	ug/L	SW846 8260B
OUTFLOW/122004 12/20/04 15:10 010				
Acetone	0.83 J	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	0.22 J	1.0	ug/L	SW846 8260B
Toluene	0.36 J	1.0	ug/L	SW846 8260B
DUP 01/122204 12/22/04 011				
Benzene	9.1	6.7	ug/L	SW846 8260B
1,1-Dichloroethane	2.2 J	6.7	ug/L	SW846 8260B
1,2-Dichloroethane	21	6.7	ug/L	SW846 8260B
cis-1,2-Dichloroethene	170	6.7	ug/L	SW846 8260B
trans-1,2-Dichloroethene	5.5 J	6.7	ug/L	SW846 8260B
1,2-Dichloroethene (total)	180	13	ug/L	SW846 8260B
1,4-Dioxane	4600	330	ug/L	SW846 8260B
Methylene chloride	2.8 J,B	6.7	ug/L	SW846 8260B
Trichloroethene	31	6.7	ug/L	SW846 8260B
Vinyl chloride	43	6.7	ug/L	SW846 8260B
DUP 02/122004 12/20/04 012				
cis-1,2-Dichloroethene	1.4	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	1.4 J	2.0	ug/L	SW846 8260B
1,4-Dioxane	1000	50	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4L230115

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
FB01/122104 12/21/04 14:00 013				
Chloroform	2.4	1.0	ug/L	SW846 8260B
1,4-Dioxane	18 J	50	ug/L	SW846 8260B
FB02/122004 12/20/04 13:20 014				
Chloroform	1.8	1.0	ug/L	SW846 8260B
Methylene chloride	0.45 J,B	1.0	ug/L	SW846 8260B
RW01/122104 12/21/04 13:45 015				
Acetone	1.5 J	10	ug/L	SW846 8260B
Carbon disulfide	0.47 J	1.0	ug/L	SW846 8260B
Chloroform	2.2	1.0	ug/L	SW846 8260B
RW02/122104 12/21/04 16:20 016				
Chloroform	1.9	1.0	ug/L	SW846 8260B
TB01/122004 12/20/04 017				
Acetone	9.8 J	10	ug/L	SW846 8260B
2-Butanone	3.5 J	10	ug/L	SW846 8260B
2-Hexanone	0.55 J	10	ug/L	SW846 8260B
Methylene chloride	4.1 B	1.0	ug/L	SW846 8260B
Toluene	0.28 J	1.0	ug/L	SW846 8260B

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METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A4L230115

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

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SAMPLE SUMMARY

SAMPLE SUMMARY

A4L230115

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
G1QL6	001	WRPZ15/122104	12/21/04	10:07
G1QMD	002	WRPZ20/122104	12/21/04	10:03
G1QMF	003	MW-26/122104	12/21/04	13:27
G1QMG	004	MW-1/122104	12/21/04	14:40
G1QMH	005	MW-2/122104	12/21/04	15:29
G1QMJ	006	MW-8/122204	12/22/04	10:10
G1QMK	007	MW-31D/122204	12/22/04	11:05
G1QML	008	WEST RAVINE OUTFALL/122204	12/22/04	10:00
G1QMM	009	INFLOW/122004	12/20/04	14:50
G1QMN	010	OUTFLOW/122004	12/20/04	15:10
G1QMP	011	DUP 01/122204	12/22/04	
G1QMQ	012	DUP 02/122004	12/20/04	
G1QMT	013	FB01/122104	12/21/04	14:00
G1QMV	014	FB02/122004	12/20/04	13:20
G1QMW	015	RW01/122104	12/21/04	13:45
G1QMX	016	RW02/122104	12/21/04	16:20
G1QM0	017	TB01/122004	12/20/04	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SEVERN TRENT STL

SHIPPING AND RECEIVING DOCUMENTS

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: THE Payne Firm	Project Manager	Date	Chain of Custody Number: 154159
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 3 of 4
City / State / Zip Code	Site Contact / Lab Contact		
Project Name and Location (State): EMD	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 100.58.15			

Analysis (Attach list if more space is needed): VOC 8260

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date 2004	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC 8260	Special Instructions/ Conditions of Receipt
WRPZ15/122104	12/21	1007		X						3			X	
WRPZ20/122104	12/21	1003		X						3			X	
MW-26/122104	12/21	1327		X						3			X	
MW-1/122104	12/21	1440		X						3			X	
MW-2/122104	12/21	1529		X						3			X	
MW-8/122204	12/22	1010		X						3			X	
MW-31D/122204	12/22	1105		X						9			X	MS/MSD SAMPLE
West Ravine Outfall/122204	12/22	1000		X						3			X	
~~INPUT~~ INFLOW/122004	12/20	1450		X						3			X	
OUTFLOW/122004	12/20	1510		X						3			X	
DUP 01/122204	12/22	—		X						3			X	
DUP 02/122004	12/20	—		X						3			X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Normal

QC Requirements (Specify): RCRA Level IV

	Date	Time		Date	Time
1. Relinquished By	12/21/04	1250	1. Received By	122204	1250
2. Relinquished By	122204	1350	2. Received By: Shahid Haseed	12/23/04	09:32
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

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Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: THE PAYNE FIRM	Project Manager	Date	Chain of Custody Number: 154158
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 4 of 4
City / State / Zip Code	Site Contact / Lab Contact		
Project Name and Location (State): EMD	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 100.58.15			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date 2004	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOC 8260	Special Instructions/ Conditions of Receipt
FB01 /122104	12/21	1400		X						3			X	
FB02 /122004	12/20	1320		X						3			X	
RW01 /122104	12/21	1345		X						3			X	
RW02 /122104	12/21	1620		X						3			X	
TB01 /122004	12/20	—		X						2			X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Normal

QC Requirements (Specify): RCRA QA Level IV

	Date	Time		Date	Time
1. Relinquished By	12/22/04	1250	1. Received By	12/22/04	1250
2. Relinquished By	122204	1340	2. Received By Shahid Naveed	12/23/04	9:32
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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RSR280

Client: 5670

Lot #: A4L230115

Case Number/SDG:

Storage Location: MS

Severn Trent Laboratories, Inc.
Sample Control Record

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
G1QL6	MADDUXA	12/23/04	Yes		Storage	
G1QMD	MADDUXA	12/23/04	Yes		Storage	
G1QMF	MADDUXA	12/23/04	Yes		Storage	
G1QMG	MADDUXA	12/23/04	Yes		Storage	
G1QMH	MADDUXA	12/23/04	Yes		Storage	
G1QMJ	MADDUXA	12/23/04	Yes		Storage	
G1QMK	MADDUXA	12/23/04	Yes		Storage	
G1QML	MADDUXA	12/23/04	Yes		Storage	
G1QMM	MADDUXA	12/23/04	Yes		Storage	
G1QMN	MADDUXA	12/23/04	Yes		Storage	
G1QMP	MADDUXA	12/23/04	Yes		Storage	
G1QMQ	MADDUXA	12/23/04	Yes		Storage	
G1QMT	MADDUXA	12/23/04	Yes		Storage	
G1QMV	MADDUXA	12/23/04	Yes		Storage	
G1QMW	MADDUXA	12/23/04	Yes		Storage	
G1QMX	MADDUXA	12/23/04	Yes		Storage	
G1QM0	MADDUXA	12/23/04	Yes		Storage	

STL Cooler Receipt Form/Narrative **Lot Number:** AL230 ~~112~~ ~~113~~ 115
North Canton Facility

Client: The PAYNE Firm Project: EMD Chemical Quote#: ~~57763~~ 57819
Cooler Received on: 12/23/04 Opened on: 12/23/04 by: Shahid Naqvi (Signature)

Fedx [✓] Client Drop Off [ ] UPS [ ] DHL [ ] FAS [ ] Other: Stetson CR.
STL Cooler No# K116 Foam Box [ ] Client Cooler [✓] Other ____

1. Were custody seals on the outside of the cooler? Yes [✓] No [ ] Intact? Yes [✓] No [ ] NA [ ]
   If YES, Quantity 1
   Were the custody seals signed and dated? Yes [✓] No [ ] NA [ ]
2. Shipper's packing slip attached to this form? Yes [✓] No [ ] NA [ ]
3. Did custody papers accompany the samples? Yes [✓] No [ ] Relinquished by client? Yes [✓] No [ ]
4. Did you sign the custody papers in the appropriate place? Yes [✓] No [ ]
5. Packing material used: Bubble Wrap [✓] Foam [✓] None [ ] Other: ____
6. Cooler temperature upon receipt 4.1 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial [ ] Coolant & Sample [ ] Against Bottles [ ] IR [✓] ICE/H_2O Slurry [ ]
COOLANT: Wet Ice [✓] Blue Ice [ ] Dry Ice [ ] Water [ ] None [ ]

7. Did all bottles arrive in good condition (Unbroken)? Yes [✓] No [ ]
8. Could all bottle labels and/or tags be reconciled with the COC? Yes [✓] No [ ]
9. Were samples at the correct pH? (record below/on back) Yes [ ] No [ ] NA [✓]
10. Were correct bottles used for the tests indicated? Yes [✓] No [ ]
11. Were air bubbles >6 mm in any VOA vials? Yes [ ] No [✓] NA [ ]
12. Sufficient quantity received to perform indicated analyses? Yes [✓] No [ ]

Contacted PM Roger T. Date: 12/23/04 by: Am via Voice Mail [✓] Verbal [ ] Other [ ]
Concerning: FD's

√		

1. CHAIN OF CUSTODY

The following discrepancies occurred:
I.D. on Vials Input Inflow/122004 — I.D. on C.O.C. Inflow/122004 Will log per COC

2. SAMPLE CONDITION

Sample(s) ____ were received after the recommended holding time had expired.
Sample(s) ____ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) ____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot # 101104HNO3; Sulfuric Acid Lot # 102804-H2SO4; Sodium Hydroxide Lot # -082404-NaOH; Hydrochloric Acid Lot # 100902-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*
Sample(s) ____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials

SEVERN TRENT STL

GCMS VOLATILE DATA

SEVERN TRENT STL

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4L23115

Lot #: A4L230115

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	INTRA-LAB QC	114	115	108	90	00
02	WRPZ15/122104	113	104	103	90	00
03	WRPZ20/122104	113	106	104	89	00
04	MW-26/122104	112	103	101	87	00
05	MW-1/122104	114	107	102	89	00
06	MW-2/122104	113	109	103	88	00
07	MW-8/122204	111	106	101	89	00
08	MW-31D/122204	108	103	102	91	00
09	WEST RAVINE OUTFALL/122204	110	104	102	95	00
10	INFLOW/122004	115	118	105	91	00
11	OUTFLOW/122004	116	116	105	90	00
12	DUP 01/122204	110	114	106	92	00
13	DUP 02/122004	117	119	108	90	00
14	FB01/122104	117	117	105	87	00
15	FB02/122004	117	117	106	90	00
16	RW01/122104	117	117	105	88	00
17	RW02/122104	113	107	102	88	00
18	TB01/122004	117	117	104	91	00
19	METHOD BLK. G13E21AA	112	111	106	92	00
20	METHOD BLK. G15071AA	112	103	103	91	00
21	LCS G13E21AC	104	103	109	109	00
22	LCS G15071AC	102	92	104	105	00
23	LAB MS/MSD D	108	116	110	107	00
24	MW-31D/122204 D	109	111	107	104	00
25	LCSD G13E21AD	105	107	108	109	00
26	LCSD G15071AD	102	99	105	106	00
27	LAB MS/MSD S	108	109	110	107	00

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4L23115

Lot #: A4L230115

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	MW-31D/122204 S	110	100	108	106	00

SURROGATES		QC LIMITS
SRG01	= Dibromofluoromethane	(73-122)
SRG02	= 1,2-Dichloroethane-d4	(61-128)
SRG03	= Toluene-d8	(76-110)
SRG04	= 4-Bromofluorobenzene	(74-116)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4L23115

Lot #: A5A030000 WO #: G13E21AD

BATCH: 5003269

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	11	110	48- 123	
Bromomethane	10	10	100	64- 129	
Vinyl chloride	10	9.7	97	61- 120	
Chloroethane	10	11	113	66- 126	
Methylene chloride	10	11	114	78- 118	
Acetone	10	8.6	86	22- 200	
Carbon disulfide	10	10	102	73- 139	
1,1-Dichloroethene	10	9.7	97	63- 130	
1,1-Dichloroethane	10	11	110	86- 123	
1,2-Dichloroethene (total	20	19	96	82- 116	
Chloroform	10	10	101	84- 128	
1,2-Dichloroethane	10	10	104	79- 136	
2-Butanone	10	9.3	93	28- 237	
1,1,1-Trichloroethane	10	9.1	91	78- 140	
Carbon tetrachloride	10	9.6	96	75- 149	
Bromodichloromethane	10	10	103	87- 130	
1,2-Dichloropropane	10	12	115	82- 115	
cis-1,3-Dichloropropene	10	9.7	97	84- 130	
Trichloroethene	10	8.5	85	75- 122	
Dibromochloromethane	10	9.9	99	81- 138	
1,1,2-Trichloroethane	10	11	106	83- 122	
Benzene	10	10	103	80- 116	
trans-1,3-Dichloropropene	10	9.8	98	84- 130	
Bromoform	10	9.4	94	76- 150	
4-Methyl-2-pentanone	10	9.9	99	78- 141	
2-Hexanone	10	8.0	80	35- 200	
Tetrachloroethene	10	8.6	86*	88- 113	a
1,1,2,2-Tetrachloroethane	10	13	134*	85- 118	a
Toluene	10	10	101	74- 119	
Chlorobenzene	10	9.5	95	76- 117	
Ethylbenzene	10	9.0	90	86- 116	

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SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4L23115

Lot #: A5A030000 WO #: G13E21AD
BATCH: 5003269

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.1	91	85- 117	
Xylenes (total)	30	28	93	87- 116	
cis-1,2-Dichloroethene	10	9.2	92	85- 113	
trans-1,2-Dichloroethene	10	10	100	79- 120	
Dichlorodifluoromethane	10	9.7	97	70- 130	
Trichlorofluoromethane	10	11	109	70- 130	
1,1,2-Trichloro-1,2,2-tri	10	8.6	86	70- 130	
Methyl acetate	10	12	118	70- 130	
Methyl tert-butyl ether (	10	9.8	98	70- 130	
Cyclohexane	10	8.8	88	70- 130	
Methylcyclohexane	10	8.4	84	70- 130	
1,2-Dibromoethane	10	9.9	99	70- 130	
Isopropylbenzene	10	8.9	89	70- 130	
1,3-Dichlorobenzene	10	9.0	90	70- 130	
1,4-Dichlorobenzene	10	9.5	95	70- 130	
1,2-Dichlorobenzene	10	9.2	92	70- 130	
1,2-Dibromo-3-chloropropa	10	10	103	70- 130	
1,2,4-Trichlorobenzene	10	7.7	77	70- 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 2 out of 49 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4L23115

Lot #: A5A030000 WO #: G13E21AC

BATCH: 5003269

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	12	115	48- 123	
Bromomethane	10	11	107	64- 129	
Vinyl chloride	10	10	103	61- 120	
Chloroethane	10	12	117	66- 126	
Methylene chloride	10	12	121*	78- 118	a
Acetone	10	7.9	79	22- 200	
Carbon disulfide	10	11	109	73- 139	
1,1-Dichloroethene	10	9.9	99	63- 130	
1,1-Dichloroethane	10	12	116	86- 123	
1,2-Dichloroethene (total	20	21	103	82- 116	
Chloroform	10	11	109	84- 128	
1,2-Dichloroethane	10	11	112	79- 136	
2-Butanone	10	8.5	85	28- 237	
1,1,1-Trichloroethane	10	9.5	95	78- 140	
Carbon tetrachloride	10	9.8	98	75- 149	
Bromodichloromethane	10	11	112	87- 130	
1,2-Dichloropropane	10	13	128*	82- 115	a
cis-1,3-Dichloropropene	10	11	105	84- 130	
Trichloroethene	10	9.2	92	75- 122	
Dibromochloromethane	10	11	108	81- 138	
1,1,2-Trichloroethane	10	12	116	83- 122	
Benzene	10	11	110	80- 116	
trans-1,3-Dichloropropene	10	10	104	84- 130	
Bromoform	10	10	102	76- 150	
4-Methyl-2-pentanone	10	9.2	92	78- 141	
2-Hexanone	10	7.6	76	35- 200	
Tetrachloroethene	10	9.1	91	88- 113	
1,1,2,2-Tetrachloroethane	10	13	130*	85- 118	a
Toluene	10	11	109	74- 119	
Chlorobenzene	10	10	103	76- 117	
Ethylbenzene	10	9.9	99	86- 116	

(Continued on next page)

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4L23115

Lot #: A5A030000 WO #: G13E21AC
BATCH: 5003269

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	10	100	85- 117	
Xylenes (total)	30	31	102	87- 116	
cis-1,2-Dichloroethene	10	10	100	85- 113	
trans-1,2-Dichloroethene	10	11	106	79- 120	
Dichlorodifluoromethane	10	9.2	92	70- 130	
Trichlorofluoromethane	10	11	107	70- 130	
1,1,2-Trichloro-1,2,2-tri	10	8.9	89	70- 130	
Methyl acetate	10	11	113	70- 130	
Methyl tert-butyl ether (	10	10	102	70- 130	
Cyclohexane	10	8.5	85	70- 130	
Methylcyclohexane	10	7.8	78	70- 130	
1,2-Dibromoethane	10	11	107	70- 130	
Isopropylbenzene	10	9.8	98	70- 130	
1,3-Dichlorobenzene	10	9.6	96	70- 130	
1,4-Dichlorobenzene	10	10	102	70- 130	
1,2-Dichlorobenzene	10	9.8	98	70- 130	
1,2-Dibromo-3-chloropropa	10	9.9	99	70- 130	
1,2,4-Trichlorobenzene	10	8.2	82	70- 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 3 out of 49 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4L23115

Lot #: A5A050000 WO #: G15071AC

BATCH: 5005223

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	9.5	95	48- 123	
Bromomethane	10	10	102	64- 129	
Vinyl chloride	10	8.8	88	61- 120	
Chloroethane	10	10	101	66- 126	
Methylene chloride	10	10	100	78- 118	
Acetone	10	8.2	82	22- 200	
Carbon disulfide	10	9.6	96	73- 139	
1,1-Dichloroethene	10	9.5	95	63- 130	
1,1-Dichloroethane	10	10	101	86- 123	
1,2-Dichloroethene (total	20	19	95	82- 116	
Chloroform	10	9.6	96	84- 128	
1,2-Dichloroethane	10	9.5	95	79- 136	
2-Butanone	10	7.7	77	28- 237	
1,1,1-Trichloroethane	10	9.0	90	78- 140	
Carbon tetrachloride	10	9.5	95	75- 149	
Bromodichloromethane	10	9.9	99	87- 130	
1,2-Dichloropropane	10	11	107	82- 115	
cis-1,3-Dichloropropene	10	9.4	94	84- 130	
Trichloroethene	10	9.0	90	75- 122	
Dibromochloromethane	10	10	102	81- 138	
1,1,2-Trichloroethane	10	10	103	83- 122	
Benzene	10	10	100	80- 116	
trans-1,3-Dichloropropene	10	9.3	93	84- 130	
Bromoform	10	11	106	76- 150	
4-Methyl-2-pentanone	10	8.3	83	78- 141	
2-Hexanone	10	6.5	65	35- 200	
Tetrachloroethene	10	9.1	91	88- 113	
1,1,2,2-Tetrachloroethane	10	11	111	85- 118	
Toluene	10	9.9	99	74- 119	
Chlorobenzene	10	9.7	97	76- 117	
Ethylbenzene	10	9.2	92	86- 116	

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SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4L23115

Lot #: A5A050000 WO #: G15071AC
BATCH: 5005223

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.2	92	85- 117	
Xylenes (total)	30	29	96	87- 116	
cis-1,2-Dichloroethene	10	9.3	93	85- 113	
trans-1,2-Dichloroethene	10	9.8	98	79- 120	
Dichlorodifluoromethane	10	8.7	87	70- 130	
Trichlorofluoromethane	10	10	102	70- 130	
1,1,2-Trichloro-1,2,2-tri	10	9.4	94	70- 130	
Methyl acetate	10	10	102	70- 130	
Methyl tert-butyl ether (	10	9.5	95	70- 130	
Cyclohexane	10	7.8	78	70- 130	
Methylcyclohexane	10	8.1	81	70- 130	
1,2-Dibromoethane	10	9.8	98	70- 130	
Isopropylbenzene	10	9.3	93	70- 130	
1,3-Dichlorobenzene	10	9.1	91	70- 130	
1,4-Dichlorobenzene	10	9.5	95	70- 130	
1,2-Dichlorobenzene	10	9.0	90	70- 130	
1,2-Dibromo-3-chloropropa	10	10	100	70- 130	
1,2,4-Trichlorobenzene	10	8.0	80	70- 130	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 49 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4L23115

Lot #: A5A050000 WO #: G15071AD

BATCH: 5005223

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	10	101	48- 123	
Bromomethane	10	10	103	64- 129	
Vinyl chloride	10	9.3	93	61- 120	
Chloroethane	10	11	108	66- 126	
Methylene chloride	10	10	104	78- 118	
Acetone	10	8.6	86	22- 200	
Carbon disulfide	10	10	100	73- 139	
1,1-Dichloroethene	10	9.8	98	63- 130	
1,1-Dichloroethane	10	11	106	86- 123	
1,2-Dichloroethene (total	20	20	101	82- 116	
Chloroform	10	10	102	84- 128	
1,2-Dichloroethane	10	9.9	99	79- 136	
2-Butanone	10	7.9	79	28- 237	
1,1,1-Trichloroethane	10	9.1	91	78- 140	
Carbon tetrachloride	10	9.7	97	75- 149	
Bromodichloromethane	10	10	105	87- 130	
1,2-Dichloropropane	10	11	112	82- 115	
cis-1,3-Dichloropropene	10	10	100	84- 130	
Trichloroethene	10	9.5	95	75- 122	
Dibromochloromethane	10	11	106	81- 138	
1,1,2-Trichloroethane	10	11	109	83- 122	
Benzene	10	11	106	80- 116	
trans-1,3-Dichloropropene	10	9.8	98	84- 130	
Bromoform	10	11	111	76- 150	
4-Methyl-2-pentanone	10	9.1	91	78- 141	
2-Hexanone	10	7.0	70	35- 200	
Tetrachloroethene	10	9.4	94	88- 113	
1,1,2,2-Tetrachloroethane	10	11	113	85- 118	
Toluene	10	10	104	74- 119	
Chlorobenzene	10	10	100	76- 117	
Ethylbenzene	10	9.8	98	86- 116	

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SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4L23115

Lot #: A5A050000 WO #: G15071AD
BATCH: 5005223

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.8	98	85- 117	
Xylenes (total)	30	30	101	87- 116	
cis-1,2-Dichloroethene	10	9.7	97	85- 113	
trans-1,2-Dichloroethene	10	10	104	79- 120	
Dichlorodifluoromethane	10	9.2	92	70- 130	
Trichlorofluoromethane	10	10	104	70- 130	
1,1,2-Trichloro-1,2,2-tri	10	9.7	97	70- 130	
Methyl acetate	10	11	105	70- 130	
Methyl tert-butyl ether (	10	10	100	70- 130	
Cyclohexane	10	8.0	80	70- 130	
Methylcyclohexane	10	8.2	82	70- 130	
1,2-Dibromoethane	10	10	104	70- 130	
Isopropylbenzene	10	9.9	99	70- 130	
1,3-Dichlorobenzene	10	9.6	96	70- 130	
1,4-Dichlorobenzene	10	9.9	99	70- 130	
1,2-Dichlorobenzene	10	9.4	94	70- 130	
1,2-Dibromo-3-chloropropa	10	10	104	70- 130	
1,2,4-Trichlorobenzene	10	8.4	84	70- 130	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 49 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4L23115

Matrix Spike ID: LAB MS/MSD

Lot #: A4L230113 WO #: G1QK41AC
BATCH: 5003269

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	10	ND	9.7	97	62- 130	
Chloromethane	10	ND	11	107	40- 137	
Bromomethane	10	ND	10	101	55- 145	
Vinyl chloride	10	ND	10	100	88- 126	
Chloroethane	10	ND	11	109	59- 142	
Methylene chloride	10	ND	11	111	82- 115	
Acetone	10	ND	6.7	67	45- 128	
Carbon disulfide	10	ND	11	106	69- 138	
1,1-Dichloroethane	10	ND	11	110	88- 127	
1,2-Dichloroethene (total	20	1.3	21	96	86- 115	
Chloroform	10	ND	10	102	83- 141	
1,2-Dichloroethane	10	ND	11	105	71- 160	
2-Butanone	10	ND	8.0	80	71- 123	
1,1,1-Trichloroethane	10	ND	9.1	91	71- 162	
Carbon tetrachloride	10	ND	9.4	94	63- 176	
Bromodichloromethane	10	ND	11	106	80- 146	
1,2-Dichloropropane	10	ND	12	117*	87- 114	a
cis-1,3-Dichloropropene	10	ND	9.2	92	82- 130	
Trichloroethene	10	ND	8.3	83	62- 130	
Dibromochloromethane	10	ND	9.9	99	71- 158	
1,1,2-Trichloroethane	10	ND	11	106	86- 129	
Benzene	10	ND	10	103	78- 118	
trans-1,3-Dichloropropene	10	ND	9.5	95	73- 147	
Bromoform	10	ND	9.4	94	58- 176	
4-Methyl-2-pentanone	10	ND	9.1	91	82- 135	
2-Hexanone	10	ND	7.1	71*	81- 128	a
Tetrachloroethene	10	ND	8.5	85	85- 121	
1,1,2,2-Tetrachloroethane	10	ND	13	127*	88- 116	a

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SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4L23115

Matrix Spike ID: LAB MS/MSD

Lot #: A4L230113 WO #: G1QK41AC
BATCH: 5003269

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Toluene	10	ND	10	101	70- 119	
Chlorobenzene	10	ND	9.4	94	76- 117	
Ethylbenzene	10	ND	8.9	89	86- 132	
Styrene	10	ND	9.1	91	83- 120	
Xylenes (total)	30	ND	28	92	89- 121	
cis-1,2-Dichloroethene	10	1.3	11	92	87- 114	
trans-1,2-Dichloroethene	10	ND	10	101	85- 116	
Dichlorodifluoromethane	10	ND	10	100	70- 130	
Trichlorofluoromethane	10	ND	11	110	70- 130	
1,1,2-Trichloro-1,2,2-tri	10	ND	9.2	92	70- 130	
Methyl acetate	10	ND	11	114	70- 130	
Methyl tert-butyl ether (	10	ND	9.7	97	70- 130	
Cyclohexane	10	ND	8.7	87	70- 130	
Methylcyclohexane	10	ND	8.1	81	70- 130	
1,2-Dibromoethane	10	ND	9.7	97	70- 130	
Isopropylbenzene	10	ND	8.7	87	70- 130	
1,3-Dichlorobenzene	10	ND	8.6	86	70- 130	
1,4-Dichlorobenzene	10	ND	9.2	92	70- 130	
1,2-Dichlorobenzene	10	ND	8.9	89	70- 130	
1,2-Dibromo-3-chloropropa	10	ND	9.3	93	70- 130	
1,2,4-Trichlorobenzene	10	ND	7.2	72	70- 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 3 out of 49 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4L23115

Matrix Spike ID: LAB MS/MSD

Lot #: A4L230113 WO #: G1QK41AD
BATCH: 5003269

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	102	5.0	20	62- 130	
Chloromethane	10	11	111	3.2	39	40- 137	
Bromomethane	10	11	106	4.6	30	55- 145	
Vinyl chloride	10	10	104	4.5	30	88- 126	
Chloroethane	10	12	117	7.6	30	59- 142	
Methylene chloride	10	11	114	2.9	30	82- 115	
Acetone	10	7.8	78	15	30	45- 128	
Carbon disulfide	10	11	111	4.7	41	69- 138	
1,1-Dichloroethane	10	11	115	3.9	30	88- 127	
1,2-Dichloroethene (total	20	22	102	5.0	30	86- 115	
Chloroform	10	11	107	4.2	30	83- 141	
1,2-Dichloroethane	10	11	110	4.4	30	71- 160	
2-Butanone	10	8.4	84	5.0	30	71- 123	
1,1,1-Trichloroethane	10	9.6	96	5.2	30	71- 162	
Carbon tetrachloride	10	9.8	98	3.7	30	63- 176	
Bromodichloromethane	10	11	110	3.9	30	80- 146	
1,2-Dichloropropane	10	12	120*	2.2	30	87- 114	a
cis-1,3-Dichloropropene	10	9.6	96	4.7	30	82- 130	
Trichloroethene	10	8.7	87	5.4	20	62- 130	
Dibromochloromethane	10	10	102	3.2	30	71- 158	
1,1,2-Trichloroethane	10	11	111	4.0	30	86- 129	
Benzene	10	11	107	4.0	20	78- 118	
trans-1,3-Dichloropropene	10	10	100	5.0	30	73- 147	
Bromoform	10	9.6	96	2.6	30	58- 176	
4-Methyl-2-pentanone	10	9.9	99	8.5	30	82- 135	
2-Hexanone	10	7.7	77*	7.6	30	81- 128	a
Tetrachloroethene	10	8.9	89	4.9	30	85- 121	
1,1,2,2-Tetrachloroethane	10	13	134*	5.2	30	88- 116	a

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4L23115

Matrix Spike ID: LAB MS/MSD

Lot #: A4L230113 WO #: G1QK41AD

BATCH: 5003269

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Toluene	10	10	105	4.0	20	70- 119	
Chlorobenzene	10	9.7	97	3.1	20	76- 117	
Ethylbenzene	10	9.3	93	4.3	30	86- 132	
Styrene	10	9.3	93	2.2	30	83- 120	
Xylenes (total)	30	29	95	3.0	30	89- 121	
cis-1,2-Dichloroethene	10	11	97	4.9	30	87- 114	
trans-1,2-Dichloroethene	10	11	106	5.1	30	85- 116	
Dichlorodifluoromethane	10	11	107	6.5	30	70- 130	
Trichlorofluoromethane	10	11	114	3.6	30	70- 130	
1,1,2-Trichloro-1,2,2-tri	10	9.6	96	4.5	30	70- 130	
Methyl acetate	10	12	122	7.2	30	70- 130	
Methyl tert-butyl ether (	10	10	101	4.4	30	70- 130	
Cyclohexane	10	9.4	94	7.6	30	70- 130	
Methylcyclohexane	10	8.5	85	5.2	30	70- 130	
1,2-Dibromoethane	10	10	101	3.6	30	70- 130	
Isopropylbenzene	10	9.1	91	4.4	30	70- 130	
1,3-Dichlorobenzene	10	9.0	90	4.8	30	70- 130	
1,4-Dichlorobenzene	10	9.7	97	5.2	30	70- 130	
1,2-Dichlorobenzene	10	9.4	94	5.8	30	70- 130	
1,2-Dibromo-3-chloropropa	10	10	100	7.4	30	70- 130	
1,2,4-Trichlorobenzene	10	7.5	75	4.4	30	70- 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 49 outside limits
Spike Recovery: 3 out of 49 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4L23115

Matrix Spike ID: MW-31D/122204

Lot #: A4L230115 WO #: G1QMK1AC
BATCH: 5005223

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	67	ND	69	104	62- 130	
Chloromethane	67	ND	72	108	40- 137	
Bromomethane	67	ND	67	101	55- 145	
Vinyl chloride	67	41	100	94	88- 126	
Chloroethane	67	ND	75	112	59- 142	
Methylene chloride	67	ND	74	111	82- 115	
Acetone	67	ND	46	70	45- 128	
Carbon disulfide	67	ND	72	108	69- 138	
1,1-Dichloroethane	67	1.9	77	112	88- 127	
1,2-Dichloroethene (total	130	180	310	99	86- 115	
Chloroform	67	ND	70	105	83- 141	
1,2-Dichloroethane	67	19	89	105	71- 160	
2-Butanone	67	ND	55	82	71- 123	
1,1,1-Trichloroethane	67	ND	65	98	71- 162	
Carbon tetrachloride	67	ND	69	103	63- 176	
Bromodichloromethane	67	ND	72	108	80- 146	
1,2-Dichloropropane	67	ND	78	117*	87- 114	a
cis-1,3-Dichloropropene	67	ND	64	96	82- 130	
Trichloroethene	67	32	94	93	62- 130	
Dibromochloromethane	67	ND	68	102	71- 158	
1,1,2-Trichloroethane	67	ND	73	110	86- 129	
Benzene	67	9.4	81	108	78- 118	
trans-1,3-Dichloropropene	67	ND	63	95	73- 147	
Bromoform	67	ND	68	102	58- 176	
4-Methyl-2-pentanone	67	ND	60	90	82- 135	
2-Hexanone	67	ND	44	66*	81- 128	a
Tetrachloroethene	67	ND	64	96	85- 121	
1,1,2,2-Tetrachloroethane	67	ND	80	119*	88- 116	a

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4L23115

Matrix Spike ID: MW-31D/122204

Lot #: A4L230115 WO #: G1QMK1AC
BATCH: 5005223

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Toluene	67	ND	70	104	70- 119	
Chlorobenzene	67	ND	67	100	76- 117	
Ethylbenzene	67	ND	69	103	86- 132	
Styrene	67	ND	63	94	83- 120	
Xylenes (total)	200	ND	190	97	89- 121	
cis-1,2-Dichloroethene	67	170	230	92	87- 114	
trans-1,2-Dichloroethene	67	6.0	77	107	85- 116	
Dichlorodifluoromethane	67	ND	69	103	70- 130	
Trichlorofluoromethane	67	ND	78	118	70- 130	
1,1,2-Trichloro-1,2,2-tri	67	ND	70	106	70- 130	
Methyl acetate	67	ND	75	113	70- 130	
Methyl tert-butyl ether (	67	19	87	103	70- 130	
Cyclohexane	67	14	77	94	70- 130	
Methylcyclohexane	67	ND	60	90	70- 130	
1,2-Dibromoethane	67	ND	66	99	70- 130	
Isopropylbenzene	67	ND	62	93	70- 130	
1,3-Dichlorobenzene	67	ND	62	92	70- 130	
1,4-Dichlorobenzene	67	2.1	66	96	70- 130	
1,2-Dichlorobenzene	67	ND	62	93	70- 130	
1,2-Dibromo-3-chloropropa	67	ND	68	103	70- 130	
1,2,4-Trichlorobenzene	67	ND	53	79	70- 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 3 out of 49 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4L23115

Matrix Spike ID: MW-31D/122204

Lot #: A4L230115 WO #: G1QMK1AD

BATCH: 5005223

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	67	67	101	3.2	20	62- 130	
Chloromethane	67	71	106	1.1	39	40- 137	
Bromomethane	67	73	109	7.6	30	55- 145	
Vinyl chloride	67	100	91	1.3	30	88- 126	
Chloroethane	67	75	112	0.17	30	59- 142	
Methylene chloride	67	76	113	2.4	30	82- 115	
Acetone	67	41	62	12	30	45- 128	
Carbon disulfide	67	71	106	1.8	41	69- 138	
1,1-Dichloroethane	67	77	113	0.99	30	88- 127	
1,2-Dichloroethene (total	130	320	104	2.2	30	86- 115	
Chloroform	67	71	107	2.3	30	83- 141	
1,2-Dichloroethane	67	92	110	4.0	30	71- 160	
2-Butanone	67	55	82	0.0	30	71- 123	
1,1,1-Trichloroethane	67	64	96	1.8	30	71- 162	
Carbon tetrachloride	67	66	99	4.3	30	63- 176	
Bromodichloromethane	67	73	109	1.3	30	80- 146	
1,2-Dichloropropane	67	79	119*	2.3	30	87- 114	a
cis-1,3-Dichloropropene	67	67	101	4.6	30	82- 130	
Trichloroethene	67	94	94	0.76	20	62- 130	
Dibromochloromethane	67	70	106	3.4	30	71- 158	
1,1,2-Trichloroethane	67	73	109	0.51	30	86- 129	
Benzene	67	83	110	1.9	20	78- 118	
trans-1,3-Dichloropropene	67	66	99	3.8	30	73- 147	
Bromoform	67	70	105	2.4	30	58- 176	
4-Methyl-2-pentanone	67	60	90	0.19	30	82- 135	
2-Hexanone	67	44	65*	0.68	30	81- 128	a
Tetrachloroethene	67	61	91	4.8	30	85- 121	
1,1,2,2-Tetrachloroethane	67	80	120*	0.57	30	88- 116	a

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: PAYNE FIRM INC.

Lab Code: STLCAN SDG No: 4L23115

Matrix Spike ID: MW-31D/122204

Lot #: A4L230115 WO #: G1QMK1AD
BATCH: 5005223

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Toluene	67	69	103	1.1	20	70- 119	
Chlorobenzene	67	67	101	1.1	20	76- 117	
Ethylbenzene	67	69	103	0.25	30	86- 132	
Styrene	67	64	96	1.6	30	83- 120	
Xylenes (total)	200	200	98	0.98	30	89- 121	
cis-1,2-Dichloroethene	67	240	101	2.6	30	87- 114	
trans-1,2-Dichloroethene	67	78	108	0.72	30	85- 116	
Dichlorodifluoromethane	67	60	90	14	30	70- 130	
Trichlorofluoromethane	67	71	106	10	30	70- 130	
1,1,2-Trichloro-1,2,2-tri	67	61	92	14	30	70- 130	
Methyl acetate	67	75	112	0.74	30	70- 130	
Methyl tert-butyl ether (	67	89	106	2.0	30	70- 130	
Cyclohexane	67	68	81	12	30	70- 130	
Methylcyclohexane	67	53	80	12	30	70- 130	
1,2-Dibromoethane	67	68	102	2.8	30	70- 130	
Isopropylbenzene	67	62	94	0.86	30	70- 130	
1,3-Dichlorobenzene	67	62	93	0.64	30	70- 130	
1,4-Dichlorobenzene	67	67	98	1.6	30	70- 130	
1,2-Dichlorobenzene	67	63	95	1.9	30	70- 130	
1,2-Dibromo-3-chloropropa	67	66	99	3.8	30	70- 130	
1,2,4-Trichlorobenzene	67	55	83	4.8	30	70- 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 49 outside limits
Spike Recovery: 3 out of 49 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

G13E21AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4L23115

Lab File ID: UX78512.D

Lot Number: A4L230115

Date Analyzed: 12/30/04

Time Analyzed: 12:23

Matrix: WATER

Date Extracted:12/30/04

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX7

Level:(low/med) LOW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	INTRA-LAB QC	G1QK41AA	UX78514.D	12/30/04	13:09
02	LAB MS/MSD	G1QK41AC S	UX78519.D	12/30/04	15:02
03	LAB MS/MSD	G1QK41AD D	UX78520.D	12/30/04	15:25
04	INFLOW/122004	G1QMM1AA	UX78528.D	12/30/04	18:27
05	OUTFLOW/122004	G1QMN1AA	UX78529.D	12/30/04	18:49
06	DUP 01/122204	G1QMP1AA	UX78517.D	12/30/04	14:17
07	DUP 02/122004	G1QMQ1AA	UX78530.D	12/30/04	19:11
08	FB01/122104	G1QMT1AA	UX78531.D	12/30/04	19:34
09	FB02/122004	G1QMV1AA	UX78532.D	12/30/04	19:56
10	RW01/122104	G1QMW1AA	UX78533.D	12/30/04	20:19
11	TB01/122004	G1QM01AA	UX78534.D	12/30/04	20:42
12	CHECK SAMPLE	G13E21AC C	UX78510.D	12/30/04	11:37
13	DUPLICATE CHECK	G13E21AD L	UX78511.D	12/30/04	12:00
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COMMENTS:

FORM IV

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.

G15071AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4L23115

Lab File ID: UX78541.D

Lot Number: A4L230115

Date Analyzed: 01/03/05

Time Analyzed: 10:45

Matrix: WATER

Date Extracted:01/03/05

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX7

Level:(low/med) LOW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WRPZ15/122104	G1QL61AA	UX78546.D	01/03/05	12:51
02	WRPZ20/122104	G1QMD1AA	UX78547.D	01/03/05	13:15
03	MW-26/122104	G1QMF1AA	UX78543.D	01/03/05	11:43
04	MW-1/122104	G1QMG1AA	UX78552.D	01/03/05	15:09
05	MW-2/122104	G1QMH1AA	UX78553.D	01/03/05	15:32
06	MW-8/122204	G1QMJ1AA	UX78544.D	01/03/05	12:06
07	MW-31D/122204	G1QMK1AA	UX78542.D	01/03/05	11:20
08	MW-31D/122204	G1QMK1AC S	UX78549.D	01/03/05	14:00
09	MW-31D/122204	G1QMK1AD D	UX78550.D	01/03/05	14:23
10	WEST RAVINE OUTFALL/122204	G1QML1AA	UX78545.D	01/03/05	12:28
11	RW02/122104	G1QMX1AA	UX78551.D	01/03/05	14:46
12	CHECK SAMPLE	G15071AC C	UX78539.D	01/03/05	09:59
13	DUPLICATE CHECK	G15071AD L	UX78540.D	01/03/05	10:22
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COMMENTS:

FORM IV

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4L23115

Lab File ID: BFB473 BFB Injection Date: 12/17/04

Instrument ID: A3UX7 BFB Injection Time: 1627

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	44.0
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	0.6 (0.8)1
174	50.0 - 100.0% of mass 95	76.1
175	5.0 - 9.0% of mass 174	5.0 (6.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	73.1 (96.0)1
177	5.0 - 9.0% of mass 176	5.1 (7.0)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD040	200NG-IC	UX78144	12/17/04	1652
02	VSTD020	100NG-IC	UX78145	12/17/04	1715
03	VSTD010	50NG-IC	UX78146	12/17/04	1737
04	VSTD005	25NG-IC	UX78147	12/17/04	1800
05	VSTD002	10NG-IC	UX78148	12/17/04	1823
06	VSTD001	5NG-IC	UX78149	12/17/04	1846
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FORM V VOA 1/87 Rev.

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4L23115

Lab File ID: BFB474 BFB Injection Date: 12/18/04

Instrument ID: A3UX7 BFB Injection Time: 0027

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.6
75	30.0 - 60.0% of mass 95	42.9
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 - 100.0% of mass 95	96.4
175	5.0 - 9.0% of mass 174	7.1 (7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	93.2 (96.6)1
177	5.0 - 9.0% of mass 176	5.5 (5.9)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD040	200NG-A9IC	UX78163	12/18/04	0050
02	VSTD020	100NG-A9IC	UX78164	12/18/04	0112
03	VSTD010	50NG-A9IC	UX78165	12/18/04	0135
04	VSTD005	25NG-A9IC	UX78166	12/18/04	0157
05	VSTD002	10NG-A9IC	UX78167	12/18/04	0220
06	VSTD001	5NG-A9IC	UX78168	12/18/04	0243
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FORM V VOA 1/87 Rev.

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4L23115

Lab File ID: BFB489 BFB Injection Date: 12/30/04

Instrument ID: A3UX7 BFB Injection Time: 1030

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.6
75	30.0 - 60.0% of mass 95	46.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.7 (0.8)1
174	50.0 - 100.0% of mass 95	78.2
175	5.0 - 9.0% of mass 174	5.6 (7.1)1
176	Greater than 95.0%, but less than 101.0% of mass 174	75.3 (96.2)1
177	5.0 - 9.0% of mass 176	5.0 (6.6)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-CC	UX78508	12/30/04	1052
02	VSTD010	50NG-A9CC	UX78509	12/30/04	1115
03	G13E2-CHK	G13E21AC	UX78510	12/30/04	1137
04	G13E2-CKDUP	G13E21AD	UX78511	12/30/04	1200
05	G13E2-BLK	G13E21AA	UX78512	12/30/04	1223
06	DUP 01/12220	G1QMP1AA	UX78517	12/30/04	1417
07	INFLOW/12200	G1QMM1AA	UX78528	12/30/04	1827
08	OUTFLOW/1220	G1QMN1AA	UX78529	12/30/04	1849
09	DUP 02/12200	G1QMQ1AA	UX78530	12/30/04	1911
10	FB01/122104	G1QMT1AA	UX78531	12/30/04	1934
11	FB02/122004	G1QMV1AA	UX78532	12/30/04	1956
12	RW01/122104	G1QMW1AA	UX78533	12/30/04	2019
13	TB01/122004	G1QM01AA	UX78534	12/30/04	2042
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5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4L23115

Lab File ID: BFB490 BFB Injection Date: 01/03/05

Instrument ID: A3UX7 BFB Injection Time: 0853

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.7
75	30.0 - 60.0% of mass 95	47.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	54.2
175	5.0 - 9.0% of mass 174	4.2 (7.7)1
176	Greater than 95.0%, but less than 101.0% of mass 174	54.4 (100.2)1
177	5.0 - 9.0% of mass 176	3.7 (6.8)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-CC	UX78537	01/03/05	0913
02	VSTD010	50NG-A9CC	UX78538	01/03/05	0936
03	G1507-CHK	G15071AC	UX78539	01/03/05	0959
04	G1507-CKDUP	G15071AD	UX78540	01/03/05	1022
05	G1507-BLK	G15071AA	UX78541	01/03/05	1045
06	MW-31D/12220	G1QMK1AA	UX78542	01/03/05	1120
07	MW-26/122104	G1QMF1AA	UX78543	01/03/05	1143
08	MW-8/122204	G1QMJ1AA	UX78544	01/03/05	1206
09	WEST RAVINE	G1QML1AA	UX78545	01/03/05	1228
10	WRPZ15/12210	G1QL61AA	UX78546	01/03/05	1251
11	WRPZ20/12210	G1QMD1AA	UX78547	01/03/05	1315
12	MW-31D/12220	G1QMK1AC	UX78549	01/03/05	1400
13	MW-31D/12220	G1QMK1AD	UX78550	01/03/05	1423
14	RW02/122104	G1QMX1AA	UX78551	01/03/05	1446
15	MW-1/122104	G1QMG1AA	UX78552	01/03/05	1509
16	MW-2/122104	G1QMH1AA	UX78553	01/03/05	1532
17					
18					
19					
20					
21					
22					

page 1 of 1

FORM V VOA 1/87 Rev.

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4L23115

Lab File ID (Standard): UX78508 Date Analyzed: 12/30/04

Instrument ID: A3UX7 Time Analyzed: 1052

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

		IS1 (CBZ) AREA #	RT	IS2 AREA #	RT	IS3 (DCB) AREA #	RT
	12 HOUR STD	1054161	7.62	1599736	4.96	547408	9.85
	UPPER LIMIT	2108322	8.12	3199472	5.46	1094816	10.35
	LOWER LIMIT	527081	7.12	799868	4.46	273704	9.35
	EPA SAMPLE NO.						
01	G13E2-CHK	1055520	7.62	1599168	4.96	491886	9.85
02	G13E2-CKDUP	1093255	7.63	1640450	4.96	485669	9.85
03	G13E2-BLK	972105	7.62	1477538	4.97	415922	9.85
04	DUP 01/12220	912068	7.63	1414332	4.96	388865	9.85
05	INFLOW/12200	836489	7.62	1248394	4.96	345586	9.85
06	OUTFLOW/1220	824165	7.62	1252767	4.96	362166	9.85
07	DUP 02/12200	815509	7.63	1242319	4.96	348382	9.85
08	FB01/122104	827413	7.62	1245273	4.96	335475	9.85
09	FB02/122004	793583	7.63	1204250	4.96	334223	9.85
10	RW01/122104	796668	7.63	1219114	4.96	326678	9.85
11	TB01/122004	792423	7.62	1207036	4.96	336459	9.85
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

page 1 of 1

FORM VIII VOA 1/87 Rev.

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4L23115

Lab File ID (Standard): UX78537 Date Analyzed: 01/03/05

Instrument ID: A3UX7 Time Analyzed: 0913

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

		IS1 (CBZ) AREA #	RT	IS2 AREA #	RT	IS3 (DCB) AREA #	RT
	12 HOUR STD	939612	7.62	1315181	4.96	493491	9.85
	UPPER LIMIT	1879224	8.12	2630362	5.46	986982	10.35
	LOWER LIMIT	469806	7.12	657591	4.46	246746	9.35
	EPA SAMPLE NO.						
01	G1507-CHK	869104	7.62	1268532	4.96	426874	9.85
02	G1507-CKDUP	859845	7.62	1251896	4.96	429711	9.85
03	G1507-BLK	786625	7.63	1111483	4.96	355637	9.85
04	MW-31D/12220	768824	7.62	1101870	4.96	339667	9.85
05	MW-26/122104	729104	7.62	1037775	4.96	322003	9.85
06	MW-8/122204	721397	7.63	1033005	4.96	320204	9.85
07	WEST RAVINE	723707	7.63	1056846	4.96	328751	9.85
08	WRPZ15/12210	702223	7.63	1011807	4.96	304099	9.85
09	WRPZ20/12210	679344	7.62	986177	4.97	311621	9.85
10	MW-31D/12220	703041	7.62	1012178	4.97	337391	9.85
11	MW-31D/12220	716735	7.62	1024448	4.96	342030	9.85
12	RW02/122104	651945	7.62	932528	4.96	288205	9.85
13	MW-1/122104	647984	7.62	930823	4.96	282504	9.85
14	MW-2/122104	659458	7.62	943034	4.96	273288	9.85
15							
16							
17							
18							
19							
20							
21							
22							

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

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

page 1 of 1

FORM VIII VOA 1/87 Rev.

SEVERN TRENT STL

SAMPLE DATA

PAYNE FIRM INC.

Client Sample ID: WRPZ15/122104

GC/MS Volatiles

Lot-Sample #...: A4L230115-001 **Work Order #...:** G1QL61AA **Matrix.....:** WG
Date Sampled...: 12/21/04 10:07 **Date Received..:** 12/23/04
Prep Date.....: 01/03/05 **Analysis Date..:** 01/03/05
Prep Batch #...: 5005223
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: WRPZ15/122104

GC/MS Volatiles

Lot-Sample #...: A4L230115-001 **Work Order #...:** G1QL61AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	103	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78546.D
Report Date: 05-Jan-2005 12:48

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78546.D
Lab Smp Id: G1QL61AA Client Smp ID: WRPZ15/122104
Inj Date : 03-JAN-2005 12:51
Operator : 1904 Inst ID: a3ux7.i
Smp Info : G1QL61AA,5ML/5ML
Misc Info : U50103A,N8260UX7-3,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m
Meth Date : 05-Jan-2005 12:43 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

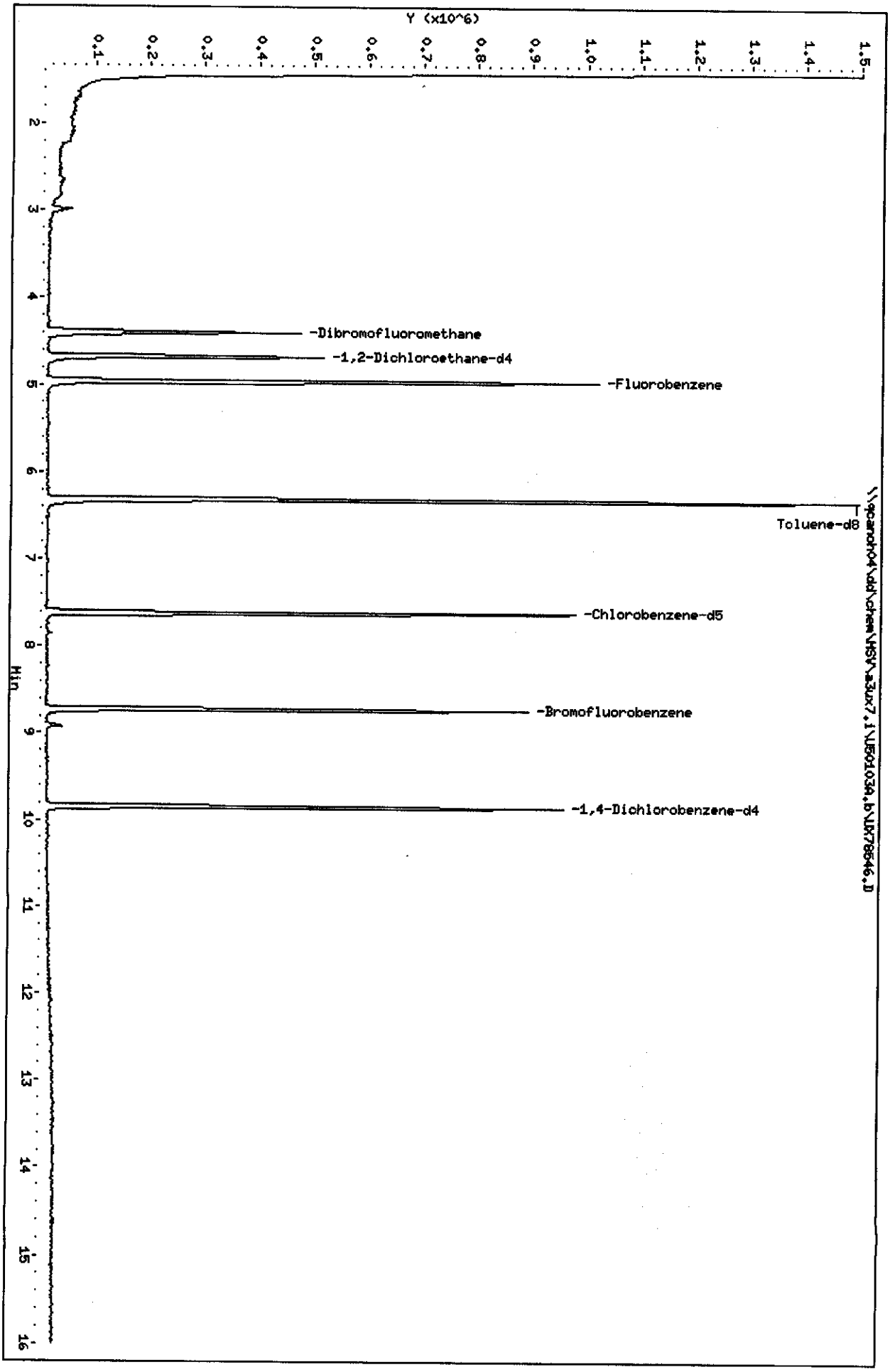
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.962	4.961	(1.000)	1011807	50.0000	
* 2 Chlorobenzene-d5	117	7.625	7.624	(1.000)	702223	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.849	9.848	(1.000)	304099	50.0000	
$ 4 Dibromofluoromethane	113	4.394	4.393	(0.886)	328227	56.4624	11.292
$ 5 1,2-Dichloroethane-d4	65	4.678	4.677	(0.943)	358466	52.2427	10.448
$ 6 Toluene-d8	98	6.311	6.310	(0.828)	1167501	51.4244	10.285
$ 7 Bromofluorobenzene	95	8.725	8.724	(1.144)	352075	45.2035	9.041
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78546.D
Report Date: 05-Jan-2005 12:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78546.D
Report Date: 05-Jan-2005 12:48

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U501030.b\UX78546.D
Date : 03-JAN-2005 12:51
Client ID: WRP215/122104
Sample Info: C1QL6140,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
Toluene-d8
-Chlorobenzene-d5
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\HSV\a3ux7.i\U501030.b\UX78546.D

PAYNE FIRM INC.

Client Sample ID: WRPZ20/122104

GC/MS Volatiles

Lot-Sample #...: A4L230115-002 **Work Order #...:** G1QMD1AA **Matrix.....:** WG
Date Sampled...: 12/21/04 10:03 **Date Received..:** 12/23/04
Prep Date.....: 01/03/05 **Analysis Date..:** 01/03/05
Prep Batch #...: 5005223
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**0.78 J,B**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: WRPZ20/122104

GC/MS Volatiles

Lot-Sample #...: A4L230115-002 **Work Order #...:** G1QMD1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
Toluene-d8	104	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78547.D
Report Date: 05-Jan-2005 12:49

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78547.D
Lab Smp Id: G1QMD1AA Client Smp ID: WRPZ20/122104
Inj Date : 03-JAN-2005 13:15
Operator : 1904 Inst ID: a3ux7.i
Smp Info : G1QMD1AA,5ML/5ML
Misc Info : U50103A,N8260UX7-3,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m
Meth Date : 05-Jan-2005 12:43 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.965	4.961	(1.000)	986177	50.0000	
* 2 Chlorobenzene-d5	117	7.615	7.624	(1.000)	679344	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.852	9.848	(1.000)	311621	50.0000	
$ 4 Dibromofluoromethane	113	4.397	4.393	(0.886)	320599	56.5836	11.317
$ 5 1,2-Dichloroethane-d4	65	4.681	4.677	(0.943)	352820	52.7562	10.551
$ 6 Toluene-d8	98	6.314	6.310	(0.829)	1138633	51.8419	10.368
$ 7 Bromofluorobenzene	95	8.728	8.724	(1.146)	336027	44.5960	8.919
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.646	2.642	(0.533)	35371	3.88023	0.7760
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78547.D
Report Date: 05-Jan-2005 12:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.267	4.263	(0.859)	56249	32.0443	6.409
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

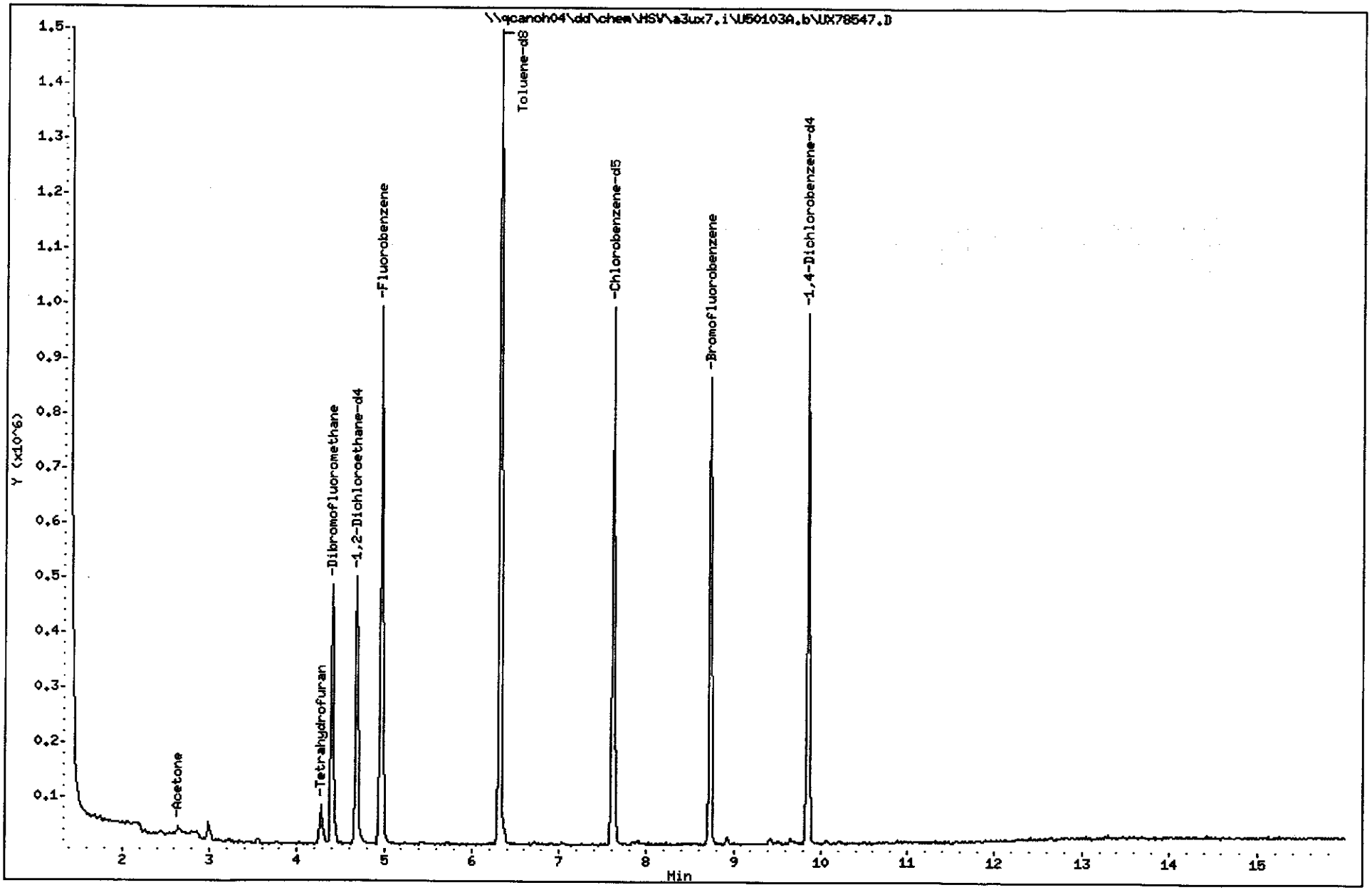
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78547.D
Report Date: 05-Jan-2005 12:49

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78547.D
Date : 03-JAN-2005 13:15
Client ID: WRPZ20/122104
Sample Info: G1QMD1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78547.D

Date : 03-JAN-2005 13:15

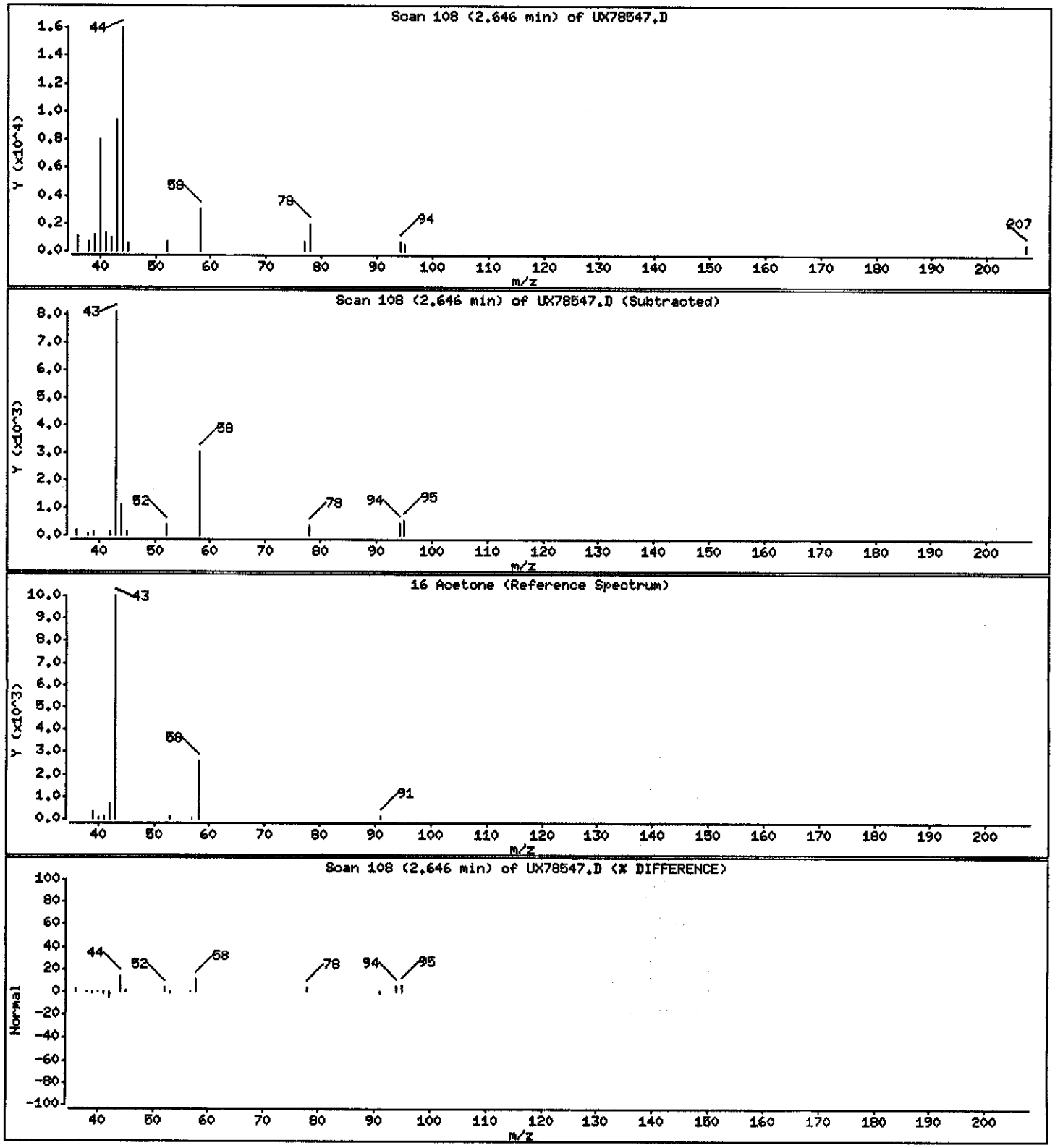
Client ID: WRPZ20/122104 Instrument: a3ux7.i

Sample Info: G1QMD1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 0.7760 ug/L



Data File: \\qoanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78547.D

Date : 03-JAN-2005 13:15

Client ID: WRPZ20/122104

Instrument: a3ux7.i

Sample Info: G1QMD1AA,5ML/5ML

Purge Volume: 5.0

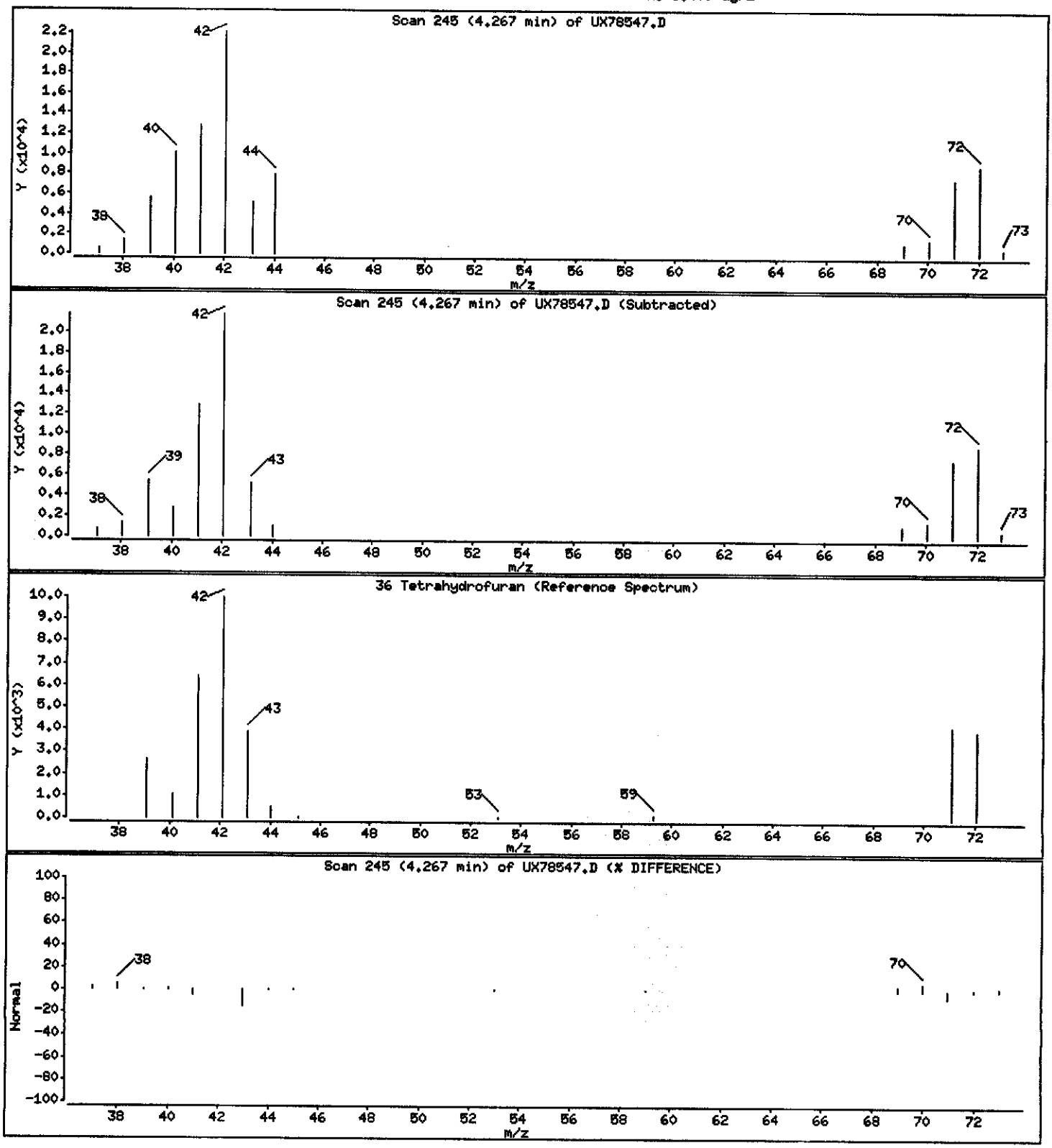
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

36 Tetrahydrofuran

Concentration: 6.409 ug/L



PAYNE FIRM INC.

Client Sample ID: MW-26/122104

GC/MS Volatiles

Lot-Sample #...: A4L230115-003 **Work Order #...:** G1QMF1AA **Matrix.....:** WG
Date Sampled...: 12/21/04 13:27 **Date Received..:** 12/23/04
Prep Date.....: 01/03/05 **Analysis Date..:** 01/03/05
Prep Batch #...: 5005223
Dilution Factor: 6.67 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	67	ug/L
Acetonitrile	ND	130	ug/L
Acrolein	ND	130	ug/L
Acrylonitrile	ND	130	ug/L
Benzene	ND	6.7	ug/L
Bromodichloromethane	ND	6.7	ug/L
Bromoform	ND	6.7	ug/L
Bromomethane	ND	6.7	ug/L
2-Butanone	ND	67	ug/L
Carbon disulfide	ND	6.7	ug/L
Carbon tetrachloride	ND	6.7	ug/L
Chlorobenzene	ND	6.7	ug/L
Chloroprene	ND	13	ug/L
Dibromochloromethane	ND	6.7	ug/L
Chloroethane	ND	6.7	ug/L
Chloroform	ND	6.7	ug/L
Chloromethane	ND	6.7	ug/L
3-Chloropropene	ND	13	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	13	ug/L
1,2-Dibromoethane	ND	6.7	ug/L
Dibromomethane	ND	6.7	ug/L
trans-1,4-Dichloro-2-butene	ND	6.7	ug/L
1,1-Dichloroethane	ND	6.7	ug/L
1,2-Dichloroethane	ND	6.7	ug/L
cis-1,2-Dichloroethene	**47**	**6.7**	**ug/L**
trans-1,2-Dichloroethene	**3.6 J**	**6.7**	**ug/L**
1,1-Dichloroethene	ND	6.7	ug/L
1,2-Dichloroethene (total)	**51**	**13**	**ug/L**
Dichlorofluoromethane	ND	13	ug/L
1,2-Dichloropropane	ND	6.7	ug/L
cis-1,3-Dichloropropene	ND	6.7	ug/L
trans-1,3-Dichloropropene	ND	6.7	ug/L
1,4-Dioxane	**88 J**	**330**	**ug/L**
Ethylbenzene	ND	6.7	ug/L
Ethyl methacrylate	ND	6.7	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-26/122104

GC/MS Volatiles

Lot-Sample #...: A4L230115-003 **Work Order #...:** G1QMF1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	67	ug/L
Iodomethane	ND	6.7	ug/L
Isobutanol	ND	330	ug/L
Methacrylonitrile	ND	13	ug/L
Methylene chloride	ND	6.7	ug/L
Methyl methacrylate	ND	13	ug/L
4-Methyl-2-pentanone	ND	67	ug/L
Propionitrile	ND	27	ug/L
Styrene	ND	6.7	ug/L
1,1,1,2-Tetrachloroethane	ND	6.7	ug/L
1,1,2,2-Tetrachloroethane	ND	6.7	ug/L
Tetrachloroethene	ND	6.7	ug/L
Toluene	ND	6.7	ug/L
1,1,1-Trichloroethane	ND	6.7	ug/L
1,1,2-Trichloroethane	ND	6.7	ug/L
Trichloroethene	**160**	**6.7**	**ug/L**
Trichlorofluoromethane	ND	6.7	ug/L
1,2,3-Trichloropropane	ND	6.7	ug/L
Vinyl acetate	ND	13	ug/L
Vinyl chloride	ND	6.7	ug/L
Xylenes (total)	ND	13	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	87	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78543.D
Report Date: 05-Jan-2005 12:46

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78543.D
Lab Smp Id: G1QMF1AA Client Smp ID: MW-26/122104
Inj Date : 03-JAN-2005 11:43
Operator : 1904 Inst ID: a3ux7.i
Smp Info : G1QMF1AA,0.75ML/5ML
Misc Info : U50103A,N8260UX7-3,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m
Meth Date : 05-Jan-2005 12:43 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.750	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.962	4.961	(1.000)	1037775	50.0000	
* 2 Chlorobenzene-d5	117	7.624	7.624	(1.000)	729104	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.849	9.848	(1.000)	322003	50.0000	
$ 4 Dibromofluoromethane	113	4.394	4.393	(0.886)	332458	55.7592	74.346
$ 5 1,2-Dichloroethane-d4	65	4.678	4.677	(0.943)	362093	51.4508	68.601
$ 6 Toluene-d8	98	6.311	6.310	(0.828)	1190523	50.5051	67.340
$ 7 Bromofluorobenzene	95	8.725	8.724	(1.144)	352697	43.6138	58.152
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78543.D
Report Date: 05-Jan-2005 12:46

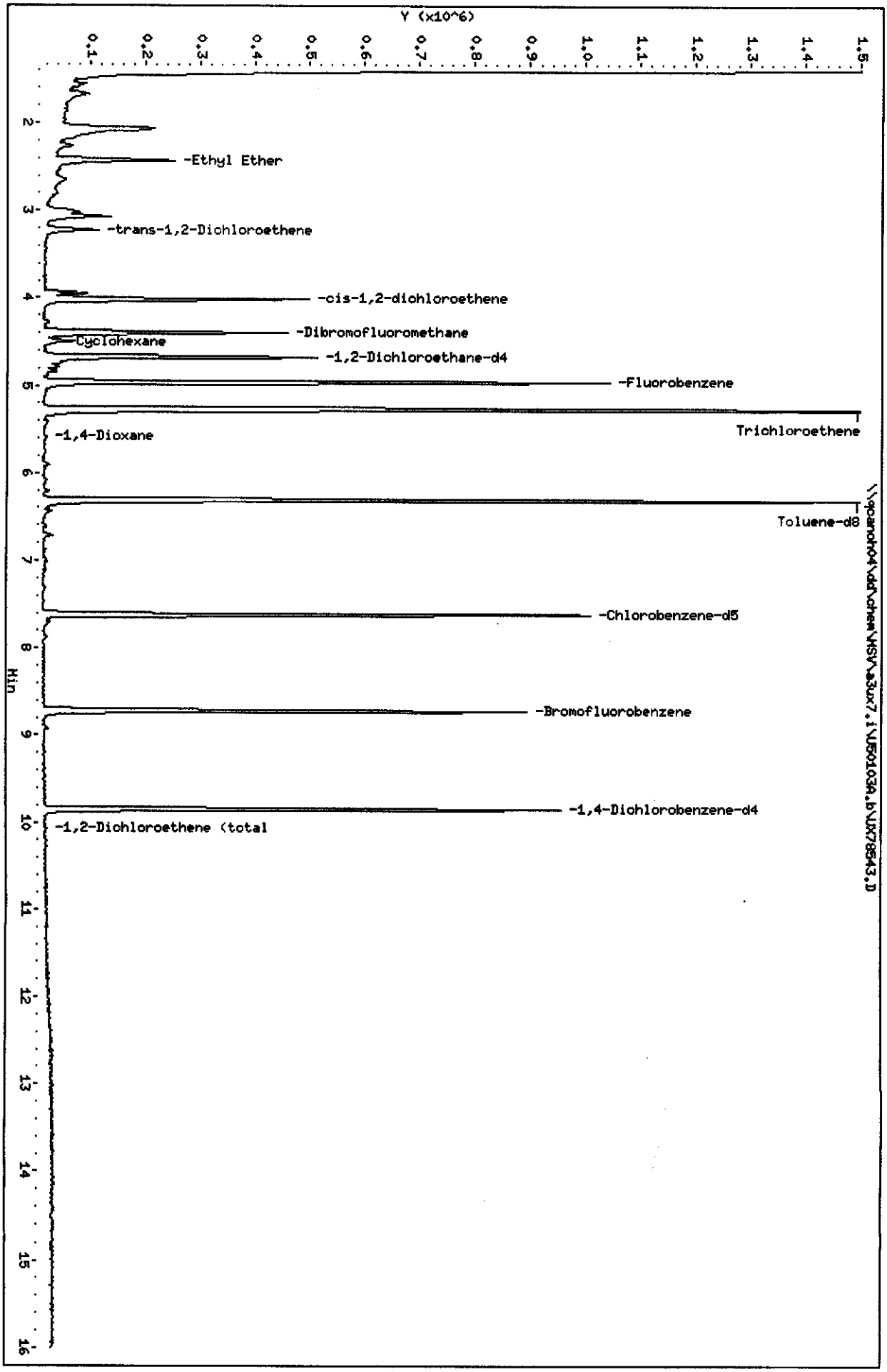
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	3.222	3.222	(0.649)	19038	2.72101	3.628
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				276077	38.1738	50.898
	32 cis-1,2-dichloroethene	96	4.015	4.015	(0.809)	257039	35.4527	47.270
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	5.269	5.269	(1.062)	903988	118.354	157.80
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.589	5.577	(1.126)	3329	65.6660	87.555
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78543.D
Report Date: 05-Jan-2005 12:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.430	2.420	(0.490)	171443	37.1948	49.593
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.500	4.500	(0.907)	25320	2.31180	3.082(a)
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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


Data File: \\qcandh04\dd\chem\MSV\a3ux7.i\U501030.b\UX78543.D
Date : 03-JAN-2005 11:43
Client ID: MW-26/122104
Sample Info: C10MF10A,0.75ML/5ML
Purge Volume: 0.8
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Ethyl Ether
-trans-1,2-Dichloroethene
-cis-1,2-dichloroethene
-Dibromofluoromethane
Cyclohexane
-1,2-Dichloroethane-d4
-Fluorobenzene
Trichloroethene
-1,4-Dioxane
Toluene-d8
\\qcandh04\dd\chem\MSV\a3ux7.i\U501030.b\UX78543.D
-Chlorobenzene-d5
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4
-1,2-Dichloroethene (total
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78543.D

Date : 03-JAN-2005 11:43

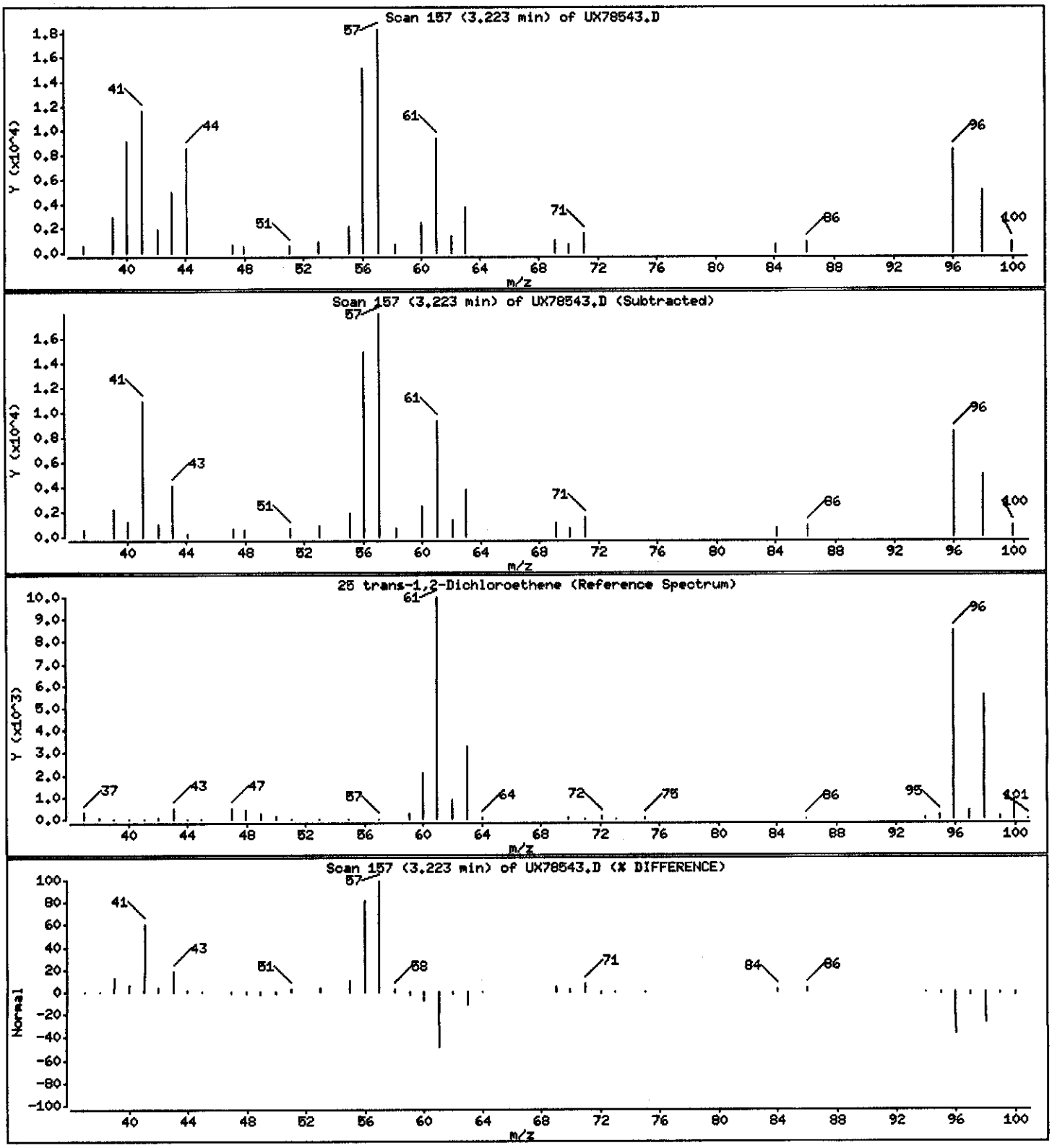
Client ID: MW-26/122104 Instrument: a3ux7.i

Sample Info: G1QMF1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

25 trans-1,2-Dichloroethene Concentration: 3.628 ug/L



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Date : 03-JAN-2005 11:43

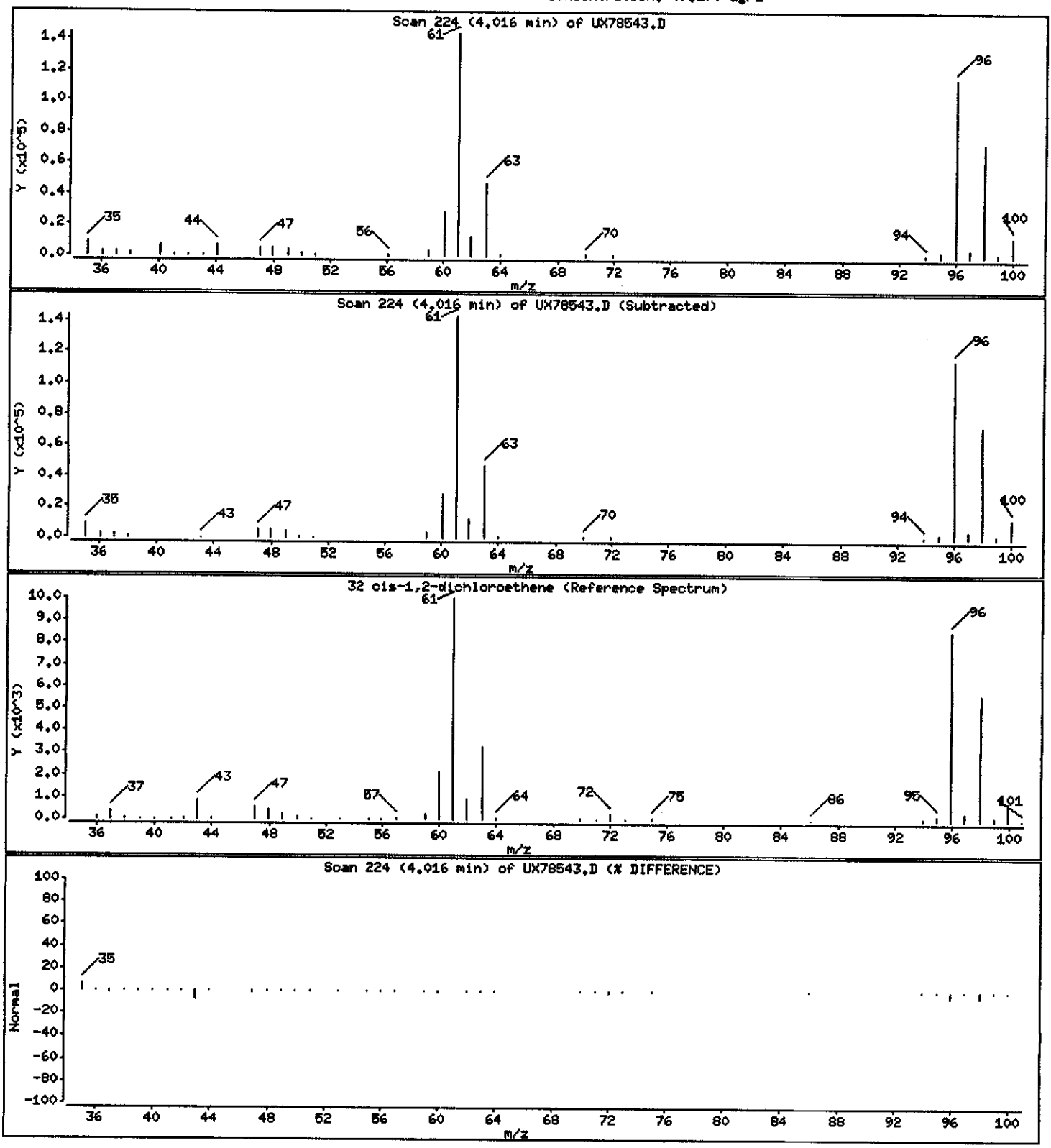
Client ID: MW-26/122104 Instrument: a3ux7.i

Sample Info: G1QHF1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 47.270 ug/L



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Date : 03-JAN-2005 11:43

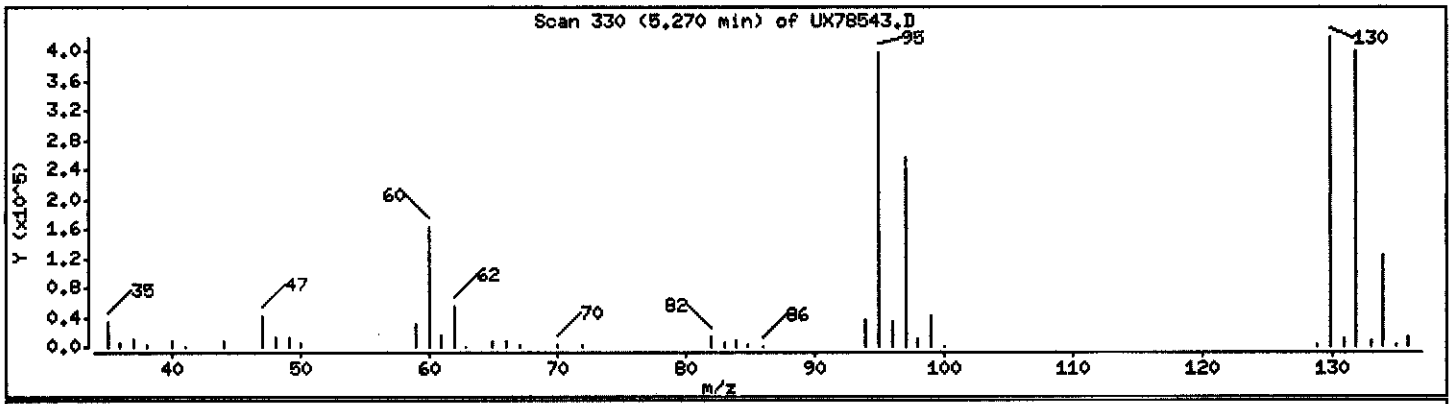
Client ID: MW-26/122104 Instrument: a3ux7.i

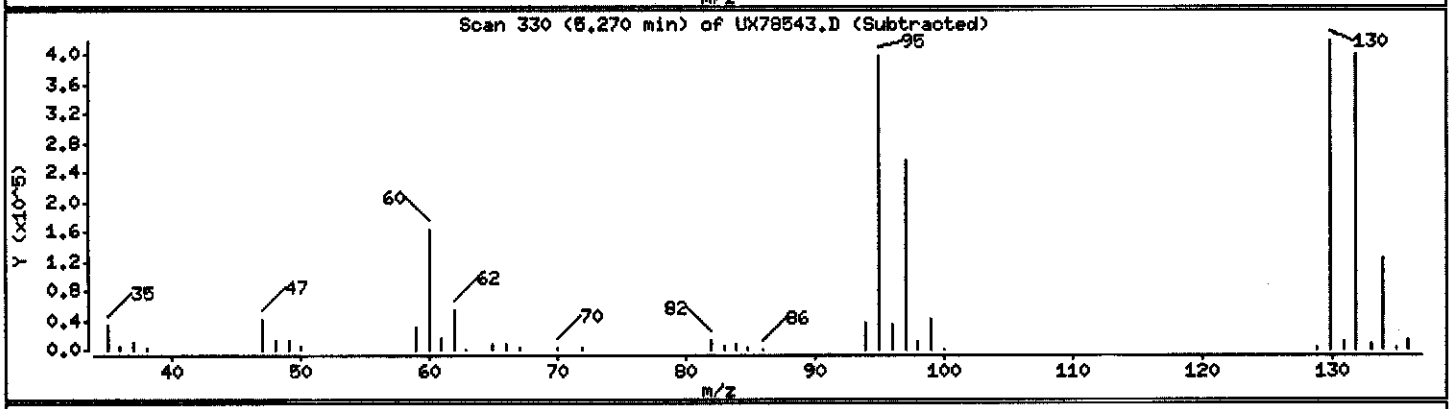
Sample Info: C1QMF1AA,0.75ML/5ML

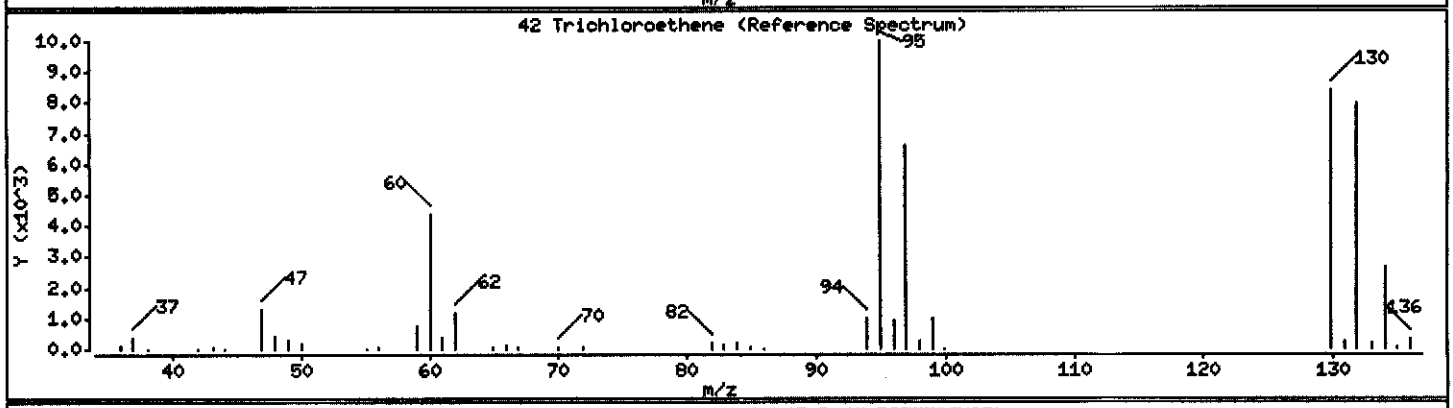
Purge Volume: 0.8 Operator: 1904

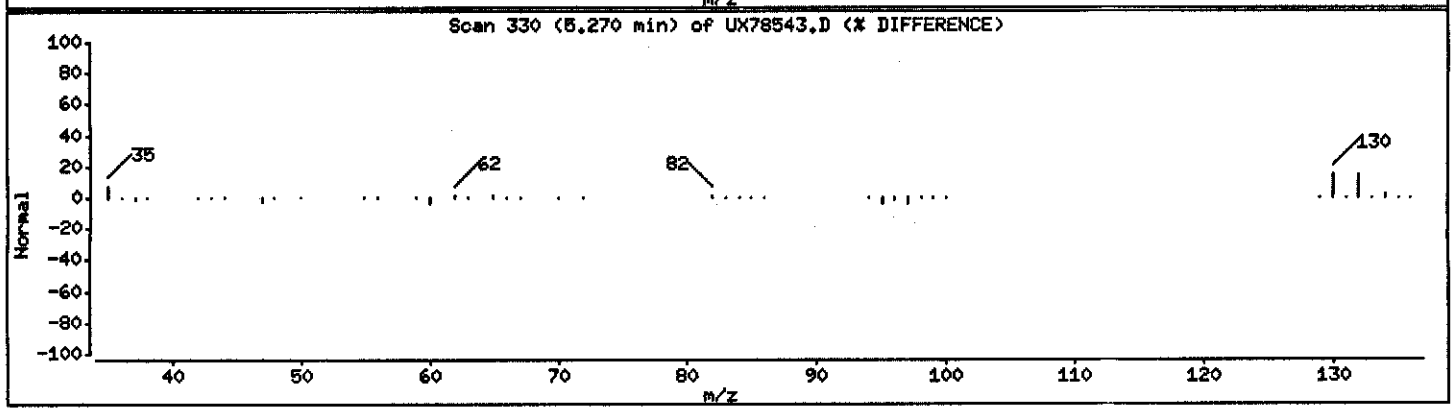
Column phase: DB624 20m Column diameter: 0.18

42 Trichloroethene Concentration: 157.80 ug/L









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Date : 03-JAN-2005 11:43

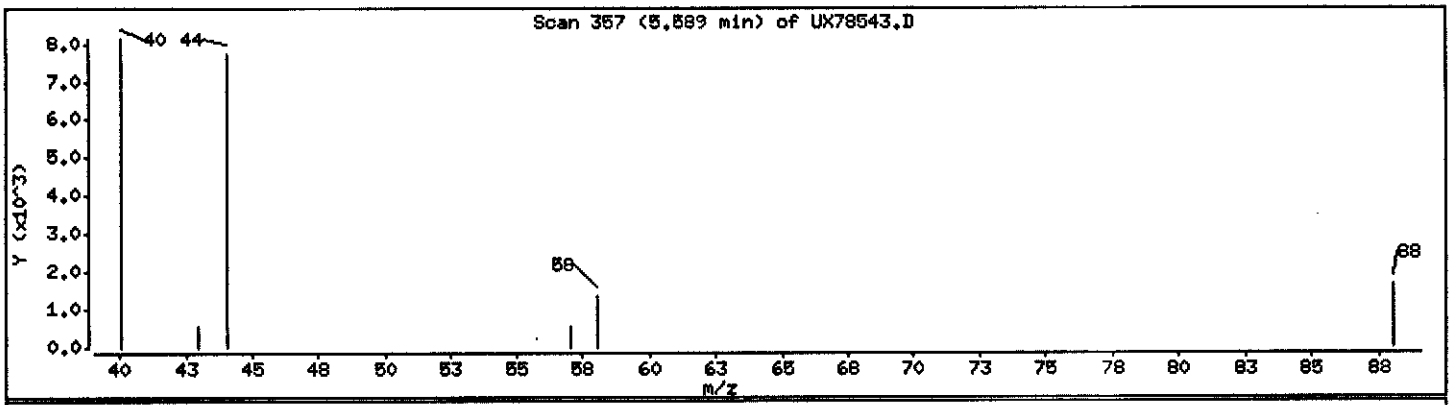
Client ID: MW-26/122104 Instrument: a3ux7.i

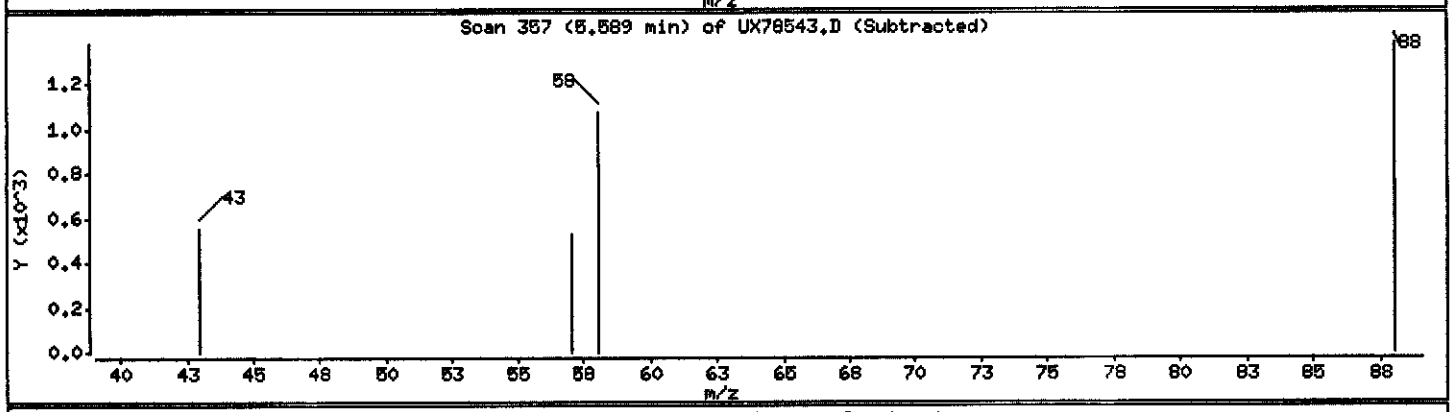
Sample Info: G1QMF1AA,0.75ML/5ML

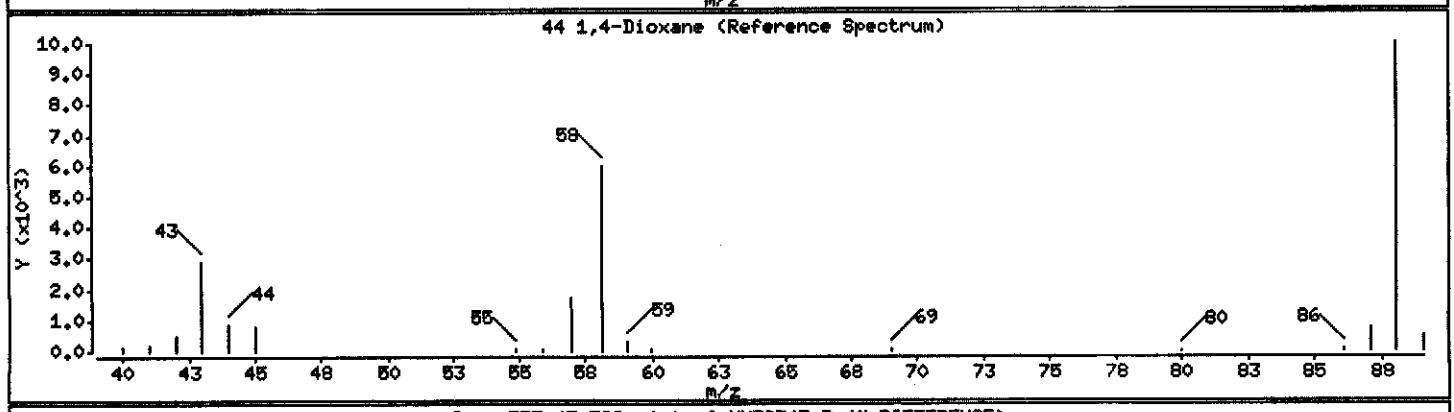
Purge Volume: 0.8 Operator: 1904

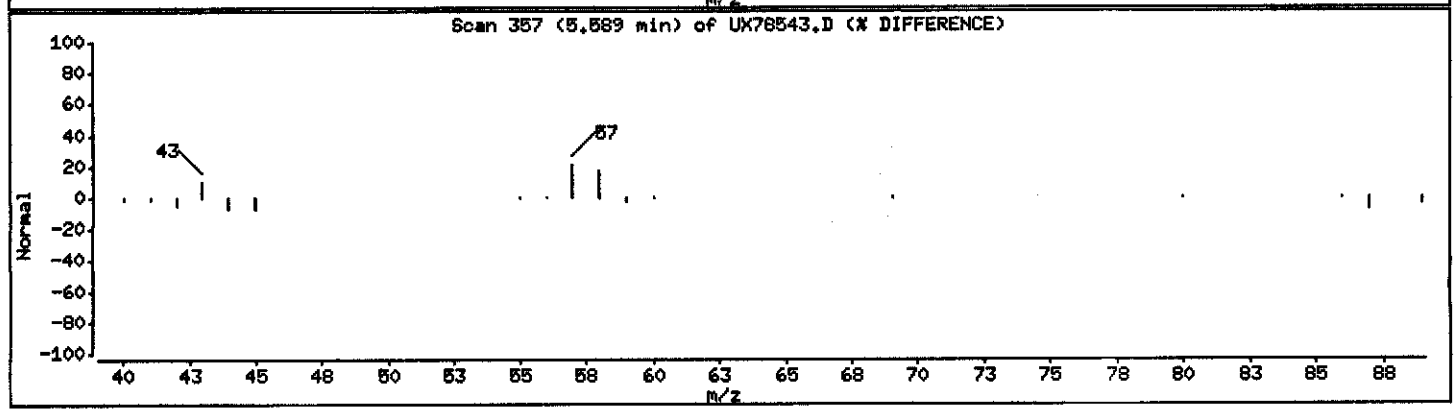
Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 87.555 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78543.D

Date : 03-JAN-2005 11:43

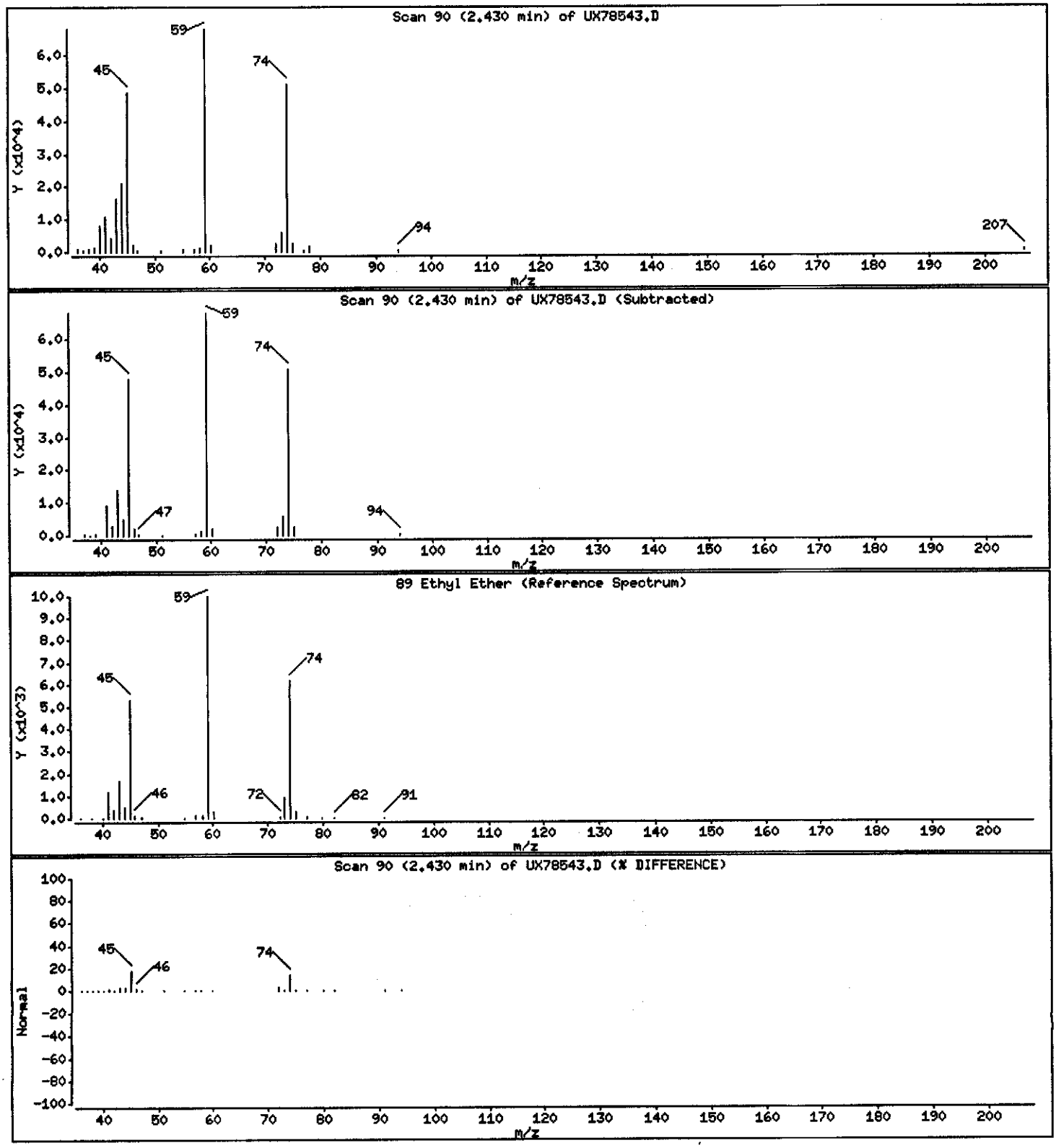
Client ID: MW-26/122104 Instrument: a3ux7.i

Sample Info: G1QMF1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

89 Ethyl Ether Concentration: 49.593 ug/L



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Date : 03-JAN-2005 11:43

Client ID: MW-26/122104

Instrument: a3ux7.i

Sample Info: G1QMF1AA,0.75ML/5ML

Purge Volume: 0.8

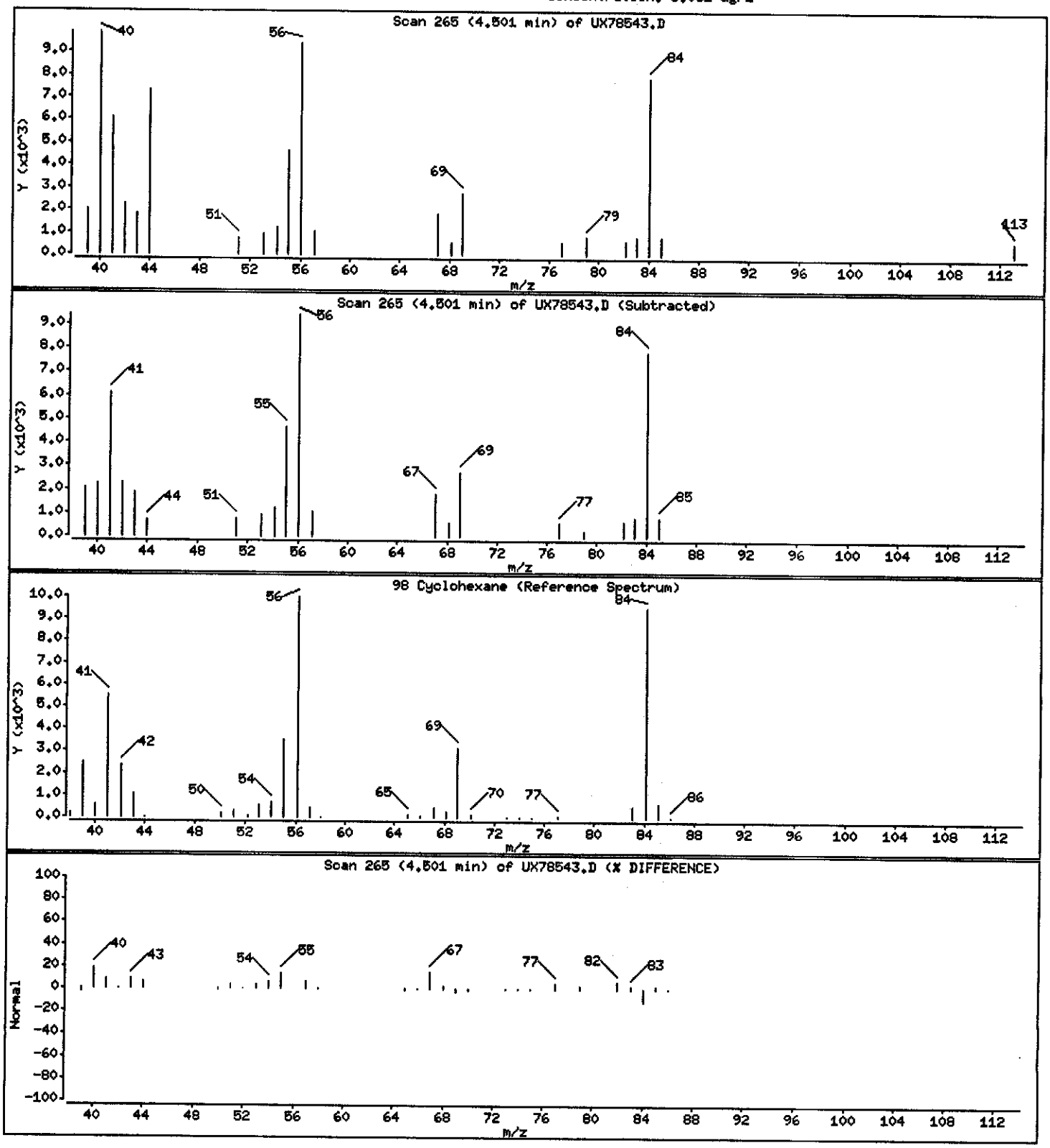
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

98 Cyclohexane

Concentration: 3.082 ug/L



PAYNE FIRM INC.

Client Sample ID: MW-1/122104

GC/MS Volatiles

Lot-Sample #...: A4L230115-004 **Work Order #...:** G1QMG1AA **Matrix.....:** WG
Date Sampled...: 12/21/04 14:40 **Date Received..:** 12/23/04
Prep Date.....: 01/03/05 **Analysis Date..:** 01/03/05
Prep Batch #...: 5005223
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-1/122104

GC/MS Volatiles

Lot-Sample #...: A4L230115-004 **Work Order #...:** G1QMG1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(73 - 122)
1,2-Dichloroethane-d4	107	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78552.D
Report Date: 05-Jan-2005 12:53

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78552.D
Lab Smp Id: G1QMG1AA Client Smp ID: MW-1/122104
Inj Date : 03-JAN-2005 15:09
Operator : 1904 Inst ID: a3ux7.i
Smp Info : G1QMG1AA,5ML/5ML
Misc Info : U50103A,N8260UX7-3,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m
Meth Date : 05-Jan-2005 12:43 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

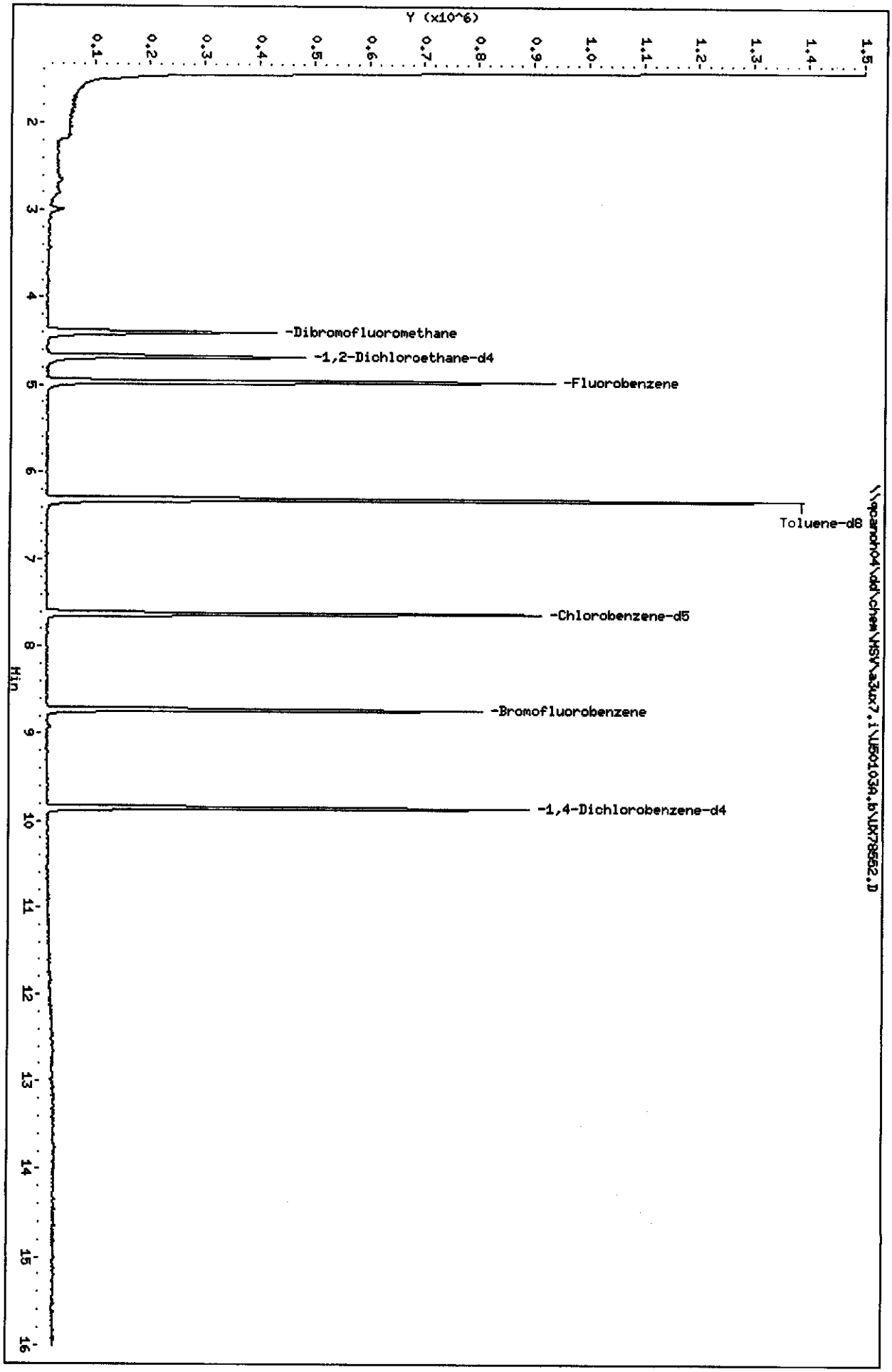
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.962	4.961	(1.000)	930823	50.0000	
* 2 Chlorobenzene-d5	117	7.624	7.624	(1.000)	647984	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.849	9.848	(1.000)	282504	50.0000	
$ 4 Dibromofluoromethane	113	4.406	4.393	(0.888)	305834	57.1876	11.438
$ 5 1,2-Dichloroethane-d4	65	4.678	4.677	(0.943)	339035	53.7097	10.742
$ 6 Toluene-d8	98	6.311	6.310	(0.828)	1065112	50.8414	10.168
$ 7 Bromofluorobenzene	95	8.725	8.724	(1.144)	319116	44.4013	8.880
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78552.D
Report Date: 05-Jan-2005 12:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78552.D
Report Date: 05-Jan-2005 12:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					


Data File: \\qcanon04\dd\chem\MSV\a3ux7.i\U501030.b\UK78652.D
Date : 03-JAN-2005 15:09
Client ID: MW-1/122104
Sample Info: G1QK61AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
Toluene-d8
-Chlorobenzene-d5
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4
\\qcanon04\dd\chem\MSV\a3ux7.i\U501030.b\UK78652.D
Min
2
3
4
5
6
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16

PAYNE FIRM INC.

Client Sample ID: MW-2/122104

GC/MS Volatiles

Lot-Sample #...: A4L230115-005 **Work Order #...:** G1QMH1AA **Matrix.....:** WG
Date Sampled...: 12/21/04 15:29 **Date Received..:** 12/23/04
Prep Date.....: 01/03/05 **Analysis Date..:** 01/03/05
Prep Batch #...: 5005223
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	**0.28 J**	**1.0**	**ug/L**
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-2/122104

GC/MS Volatiles

Lot-Sample #...: A4L230115-005 **Work Order #...:** G1QMH1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
Toluene-d8	103	(76 - 110)
4-Bromofluorobenzene	88	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78553.D
Report Date: 05-Jan-2005 12:54

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78553.D
Lab Smp Id: G1QMH1AA Client Smp ID: MW-2/122104
Inj Date : 03-JAN-2005 15:32
Operator : 1904 Inst ID: a3ux7.i
Smp Info : G1QMH1AA,5ML/5ML
Misc Info : U50103A,N8260UX7-3,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m
Meth Date : 05-Jan-2005 12:43 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.961	4.961	(1.000)	943034	50.0000	
* 2 Chlorobenzene-d5	117	7.624	7.624	(1.000)	659458	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.848	9.848	(1.000)	273288	50.0000	
$ 4 Dibromofluoromethane	113	4.405	4.393	(0.888)	306444	56.5597	11.312
$ 5 1,2-Dichloroethane-d4	65	4.677	4.677	(0.943)	347513	54.3399	10.868
$ 6 Toluene-d8	98	6.310	6.310	(0.828)	1098029	51.5007	10.300
$ 7 Bromofluorobenzene	95	8.724	8.724	(1.144)	320154	43.7707	8.754
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78553.D
Report Date: 05-Jan-2005 12:54

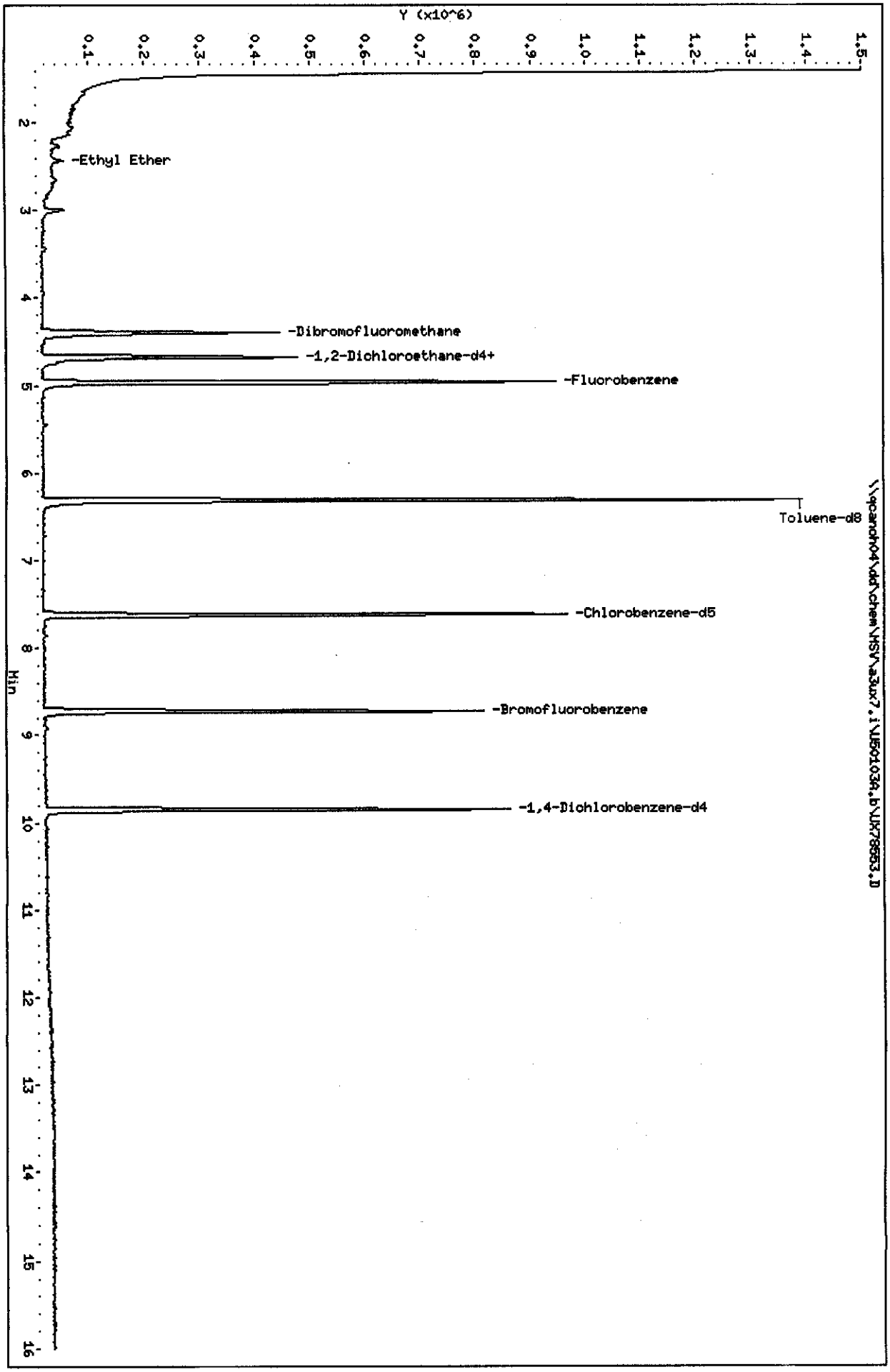
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	4.748	4.737	(0.957)	10603	1.40280	0.2806
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78553.D
Report Date: 05-Jan-2005 12:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.429	2.420	(0.490)	14905	3.55853	0.7117
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78553.D
Date : 03-JAN-2005 15:32
Client ID: MW-2/122104
Sample Info: C10H11A0,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78553.D

Date : 03-JAN-2005 15:32

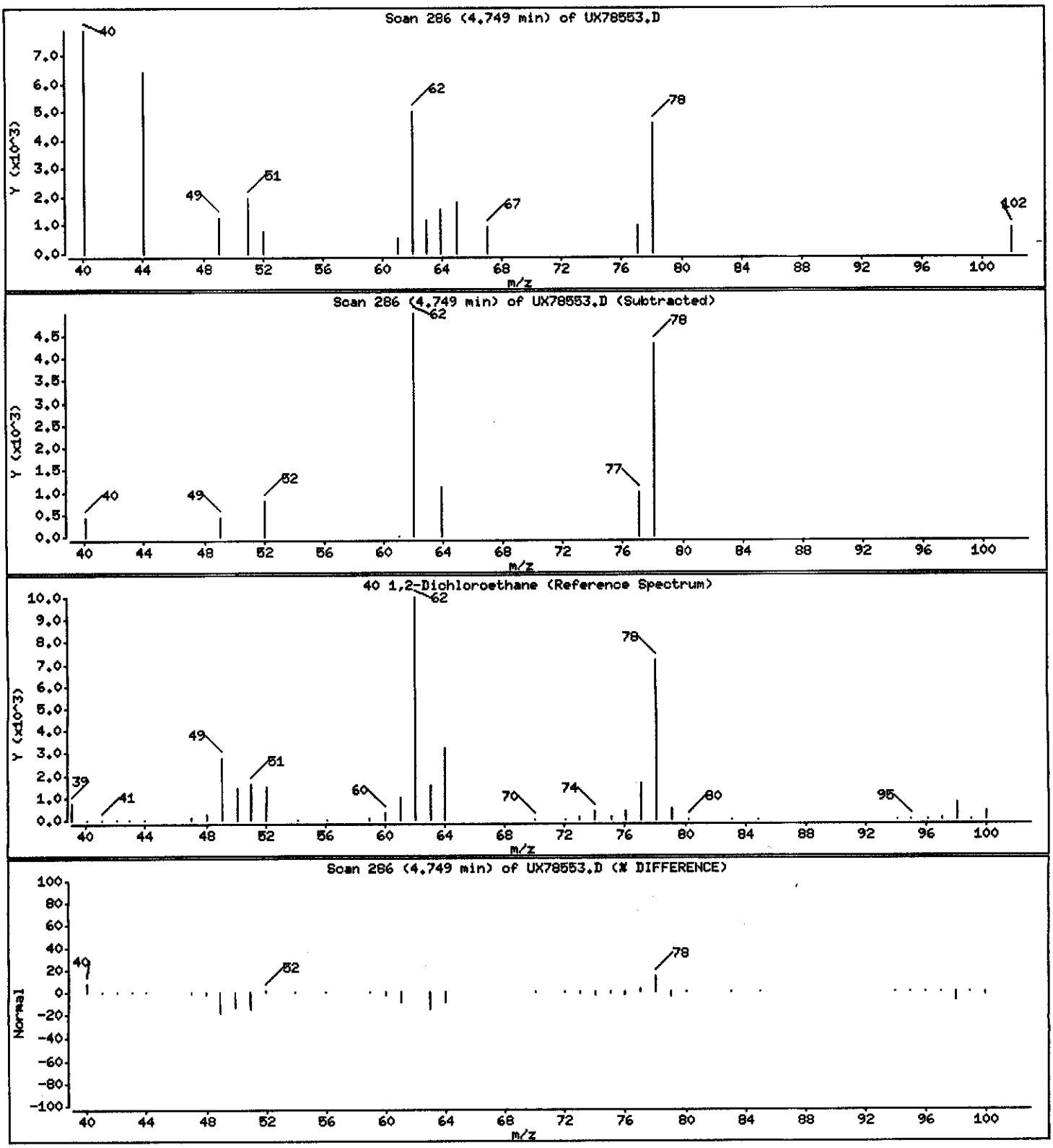
Client ID: MW-2/122104 Instrument: a3ux7.i

Sample Info: G1QMH1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 0.2806 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78553.D

Date : 03-JAN-2005 15:32

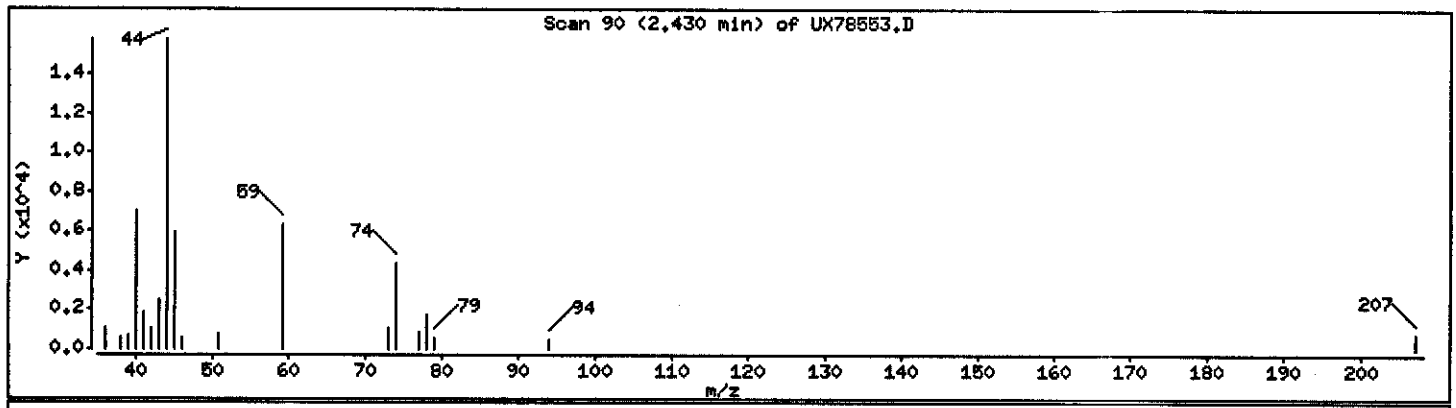
Client ID: MW-2/122104 Instrument: a3ux7.i

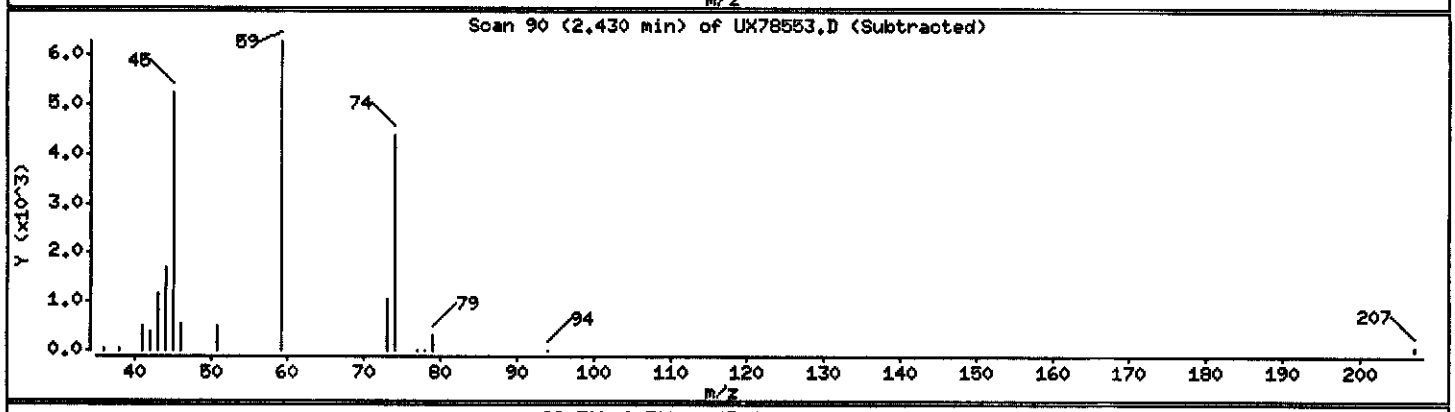
Sample Info: G1QMH1AA,5ML/5ML

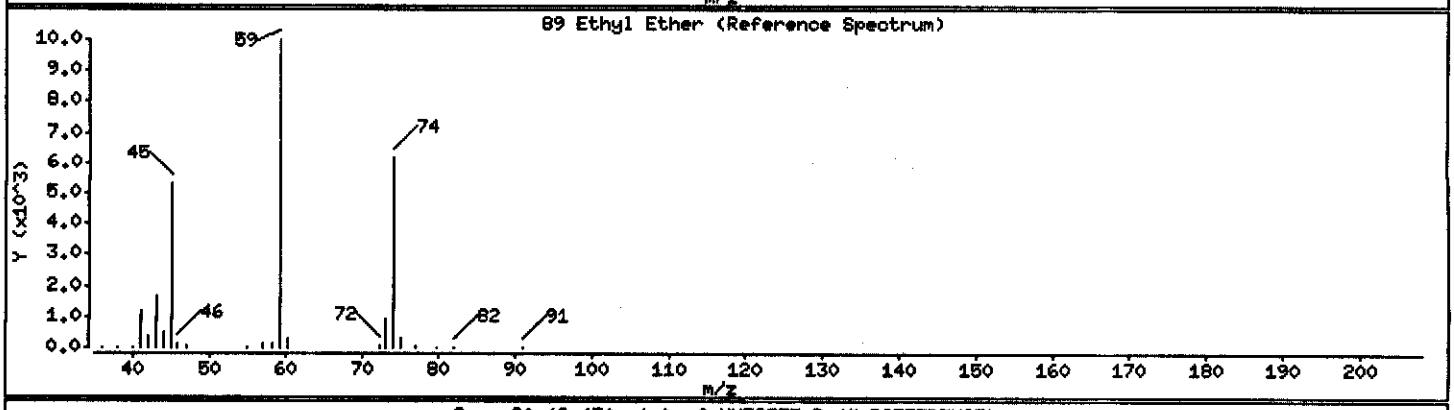
Purge Volume: 5.0 Operator: 1904

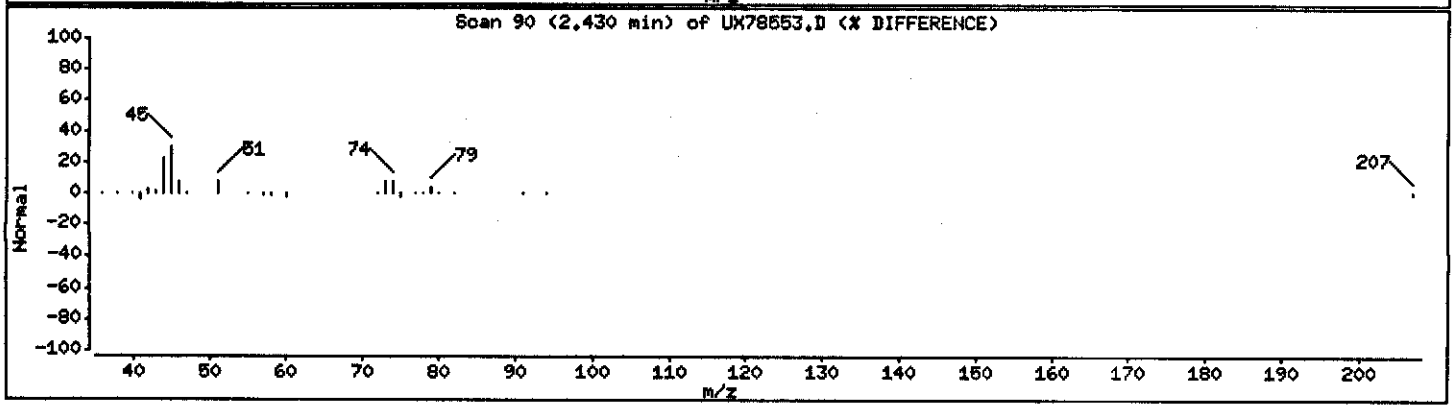
Column phase: DB624 20m Column diameter: 0.18

89 Ethyl Ether Concentration: 0.7117 ug/L









PAYNE FIRM INC.

Client Sample ID: MW-8/122204

GC/MS Volatiles

Lot-Sample #...: A4L230115-006 **Work Order #...:** G1QMJ1AA **Matrix.....:** WG
Date Sampled...: 12/22/04 10:10 **Date Received..:** 12/23/04
Prep Date.....: 01/03/05 **Analysis Date..:** 01/03/05
Prep Batch #...: 5005223
Dilution Factor: 16.67 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	170	ug/L
Acetonitrile	ND	330	ug/L
Acrolein	ND	330	ug/L
Acrylonitrile	ND	330	ug/L
Benzene	**7.8 J**	**17**	**ug/L**
Bromodichloromethane	ND	17	ug/L
Bromoform	ND	17	ug/L
Bromomethane	ND	17	ug/L
2-Butanone	ND	170	ug/L
Carbon disulfide	ND	17	ug/L
Carbon tetrachloride	ND	17	ug/L
Chlorobenzene	**4.0 J**	**17**	**ug/L**
Chloroprene	ND	33	ug/L
Dibromochloromethane	ND	17	ug/L
Chloroethane	ND	17	ug/L
Chloroform	ND	17	ug/L
Chloromethane	ND	17	ug/L
3-Chloropropene	ND	33	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	33	ug/L
1,2-Dibromoethane	ND	17	ug/L
Dibromomethane	ND	17	ug/L
trans-1,4-Dichloro-2-butene	ND	17	ug/L
1,1-Dichloroethane	ND	17	ug/L
1,2-Dichloroethane	ND	17	ug/L
cis-1,2-Dichloroethene	**380**	**17**	**ug/L**
trans-1,2-Dichloroethene	ND	17	ug/L
1,1-Dichloroethene	ND	17	ug/L
1,2-Dichloroethene (total)	**380**	**33**	**ug/L**
Dichlorofluoromethane	ND	33	ug/L
1,2-Dichloropropane	ND	17	ug/L
cis-1,3-Dichloropropene	ND	17	ug/L
trans-1,3-Dichloropropene	ND	17	ug/L
1,4-Dioxane	ND	830	ug/L
Ethylbenzene	ND	17	ug/L
Ethyl methacrylate	ND	17	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-8/122204

GC/MS Volatiles

Lot-Sample #...: A4L230115-006 **Work Order #...:** G1QMJ1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	170	ug/L
Iodomethane	ND	17	ug/L
Isobutanol	ND	830	ug/L
Methacrylonitrile	ND	33	ug/L
Methylene chloride	ND	17	ug/L
Methyl methacrylate	ND	33	ug/L
4-Methyl-2-pentanone	ND	170	ug/L
Propionitrile	ND	67	ug/L
Styrene	ND	17	ug/L
1,1,1,2-Tetrachloroethane	ND	17	ug/L
1,1,2,2-Tetrachloroethane	ND	17	ug/L
Tetrachloroethene	ND	17	ug/L
Toluene	ND	17	ug/L
1,1,1-Trichloroethane	ND	17	ug/L
1,1,2-Trichloroethane	ND	17	ug/L
Trichloroethene	ND	17	ug/L
Trichlorofluoromethane	ND	17	ug/L
1,2,3-Trichloropropane	ND	17	ug/L
Vinyl acetate	ND	33	ug/L
Vinyl chloride	**160**	**17**	**ug/L**
Xylenes (total)	ND	33	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78544.D
Report Date: 05-Jan-2005 12:47

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78544.D
Lab Smp Id: G1QMJ1AA
Client Smp ID: MW-8/122204
Inj Date : 03-JAN-2005 12:06
Operator : 1904
Inst ID: a3ux7.i
Smp Info : G1QMJ1AA,0.3ML/5ML
Misc Info : U50103A,N8260UX7-3,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m
Meth Date : 05-Jan-2005 12:43 quayler
Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43
Cal File: UX78168.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.300	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.963	4.961	(1.000)	1033005	50.0000	
* 2 Chlorobenzene-d5	117	7.626	7.624	(1.000)	721397	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.850	9.848	(1.000)	320204	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.393	(0.886)	329705	55.5528	185.18
$ 5 1,2-Dichloroethane-d4	65	4.679	4.677	(0.943)	371135	52.9791	176.60
$ 6 Toluene-d8	98	6.312	6.310	(0.828)	1173806	50.3279	167.76
$ 7 Bromofluorobenzene	95	8.726	8.724	(1.144)	357921	44.7327	149.11
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.674	1.684	(0.337)	308894	49.0158	163.38
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78544.D
Report Date: 05-Jan-2005 12:47

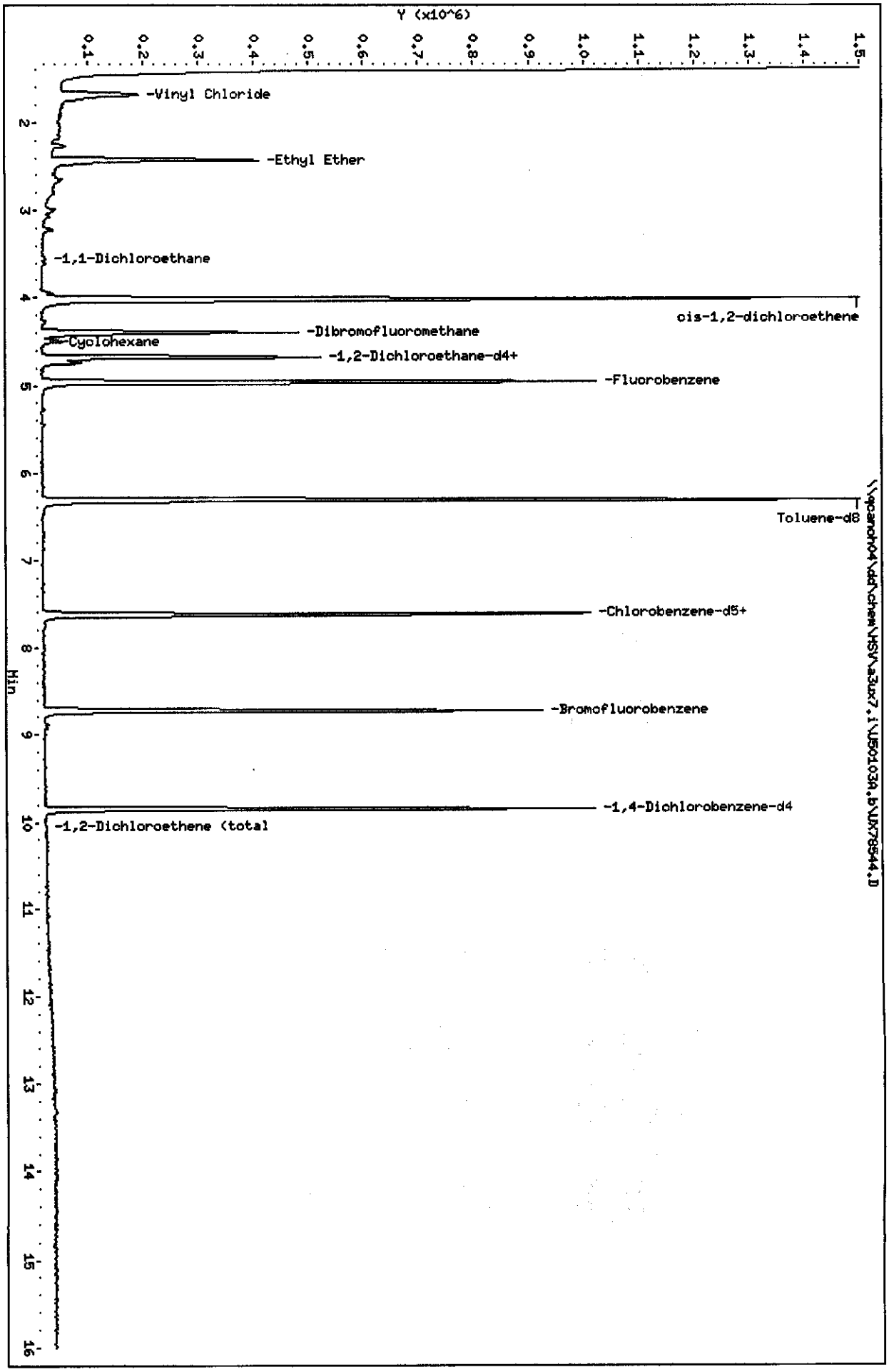
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.555	3.553	(0.716)	10608	0.92439	3.081
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				812710	112.613	375.38
	32 cis-1,2-dichloroethene	96	4.017	4.015	(0.809)	812710	112.613	375.38
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.739	4.737	(0.955)	65198	2.35050	7.835
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	7.649	7.647	(1.003)	21309	1.20239	4.008
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78544.D
Report Date: 05-Jan-2005 12:47

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.431	2.420	(0.490)	302587	65.9499	219.83
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.502	4.500	(0.907)	20377	1.86908	6.230(a)
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U501030.b\UX78544.D
Date : 03-JAN-2005 12:06
Client ID: MW-8/122204
Sample Info: G1QH1MA,0.3ML/5ML
Purge Volume: 0.3
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Vinyl Chloride
-Ethyl Ether
-1,1-Dichloroethane
cis-1,2-dichloroethene
-Dibromofluoromethane
-Cyclohexane
-1,2-Dichloroethane-d4+
-Fluorobenzene
Toluene-d8
-Chlorobenzene-d5+
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4
-1,2-Dichloroethene (total
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78544.D

Date : 03-JAN-2005 12:06

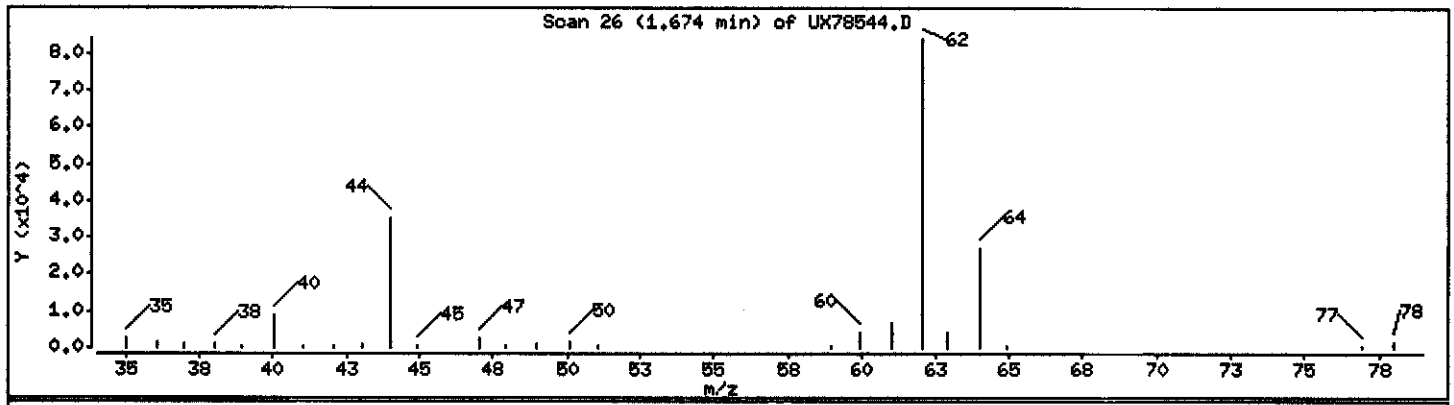
Client ID: MW-8/122204 Instrument: a3ux7.i

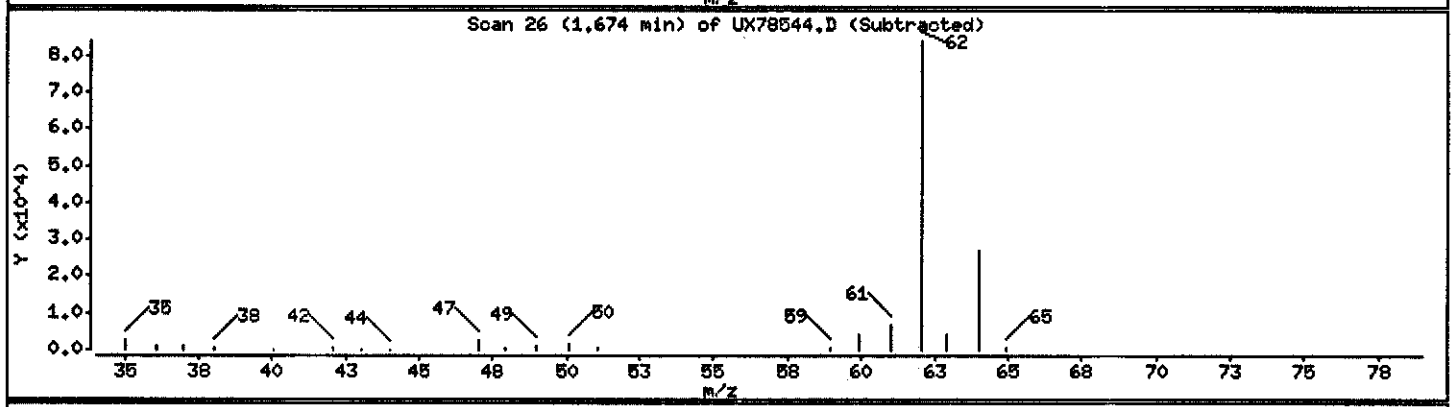
Sample Info: G1QMJ1AA,0.3ML/5ML

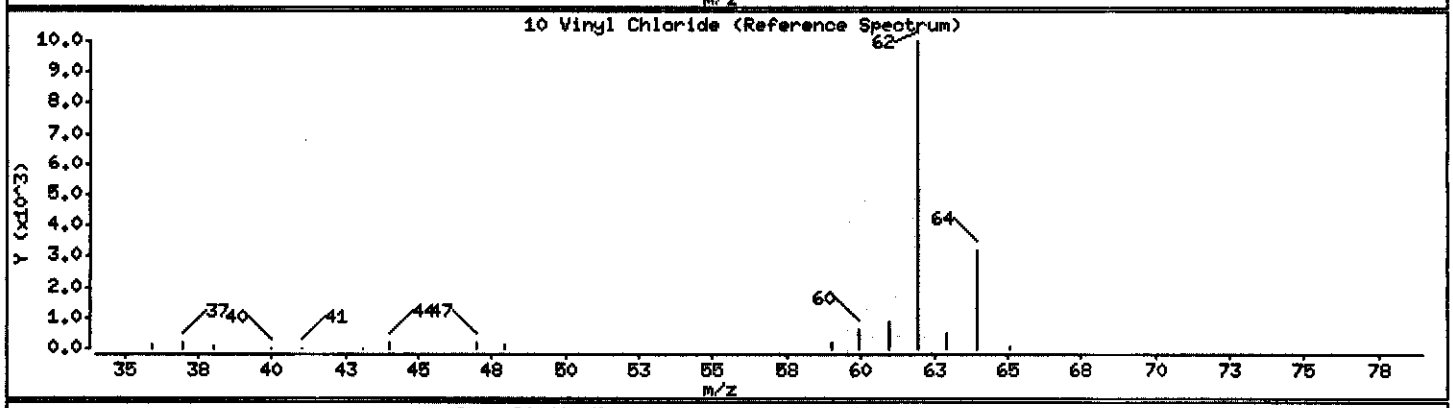
Purge Volume: 0.3 Operator: 1904

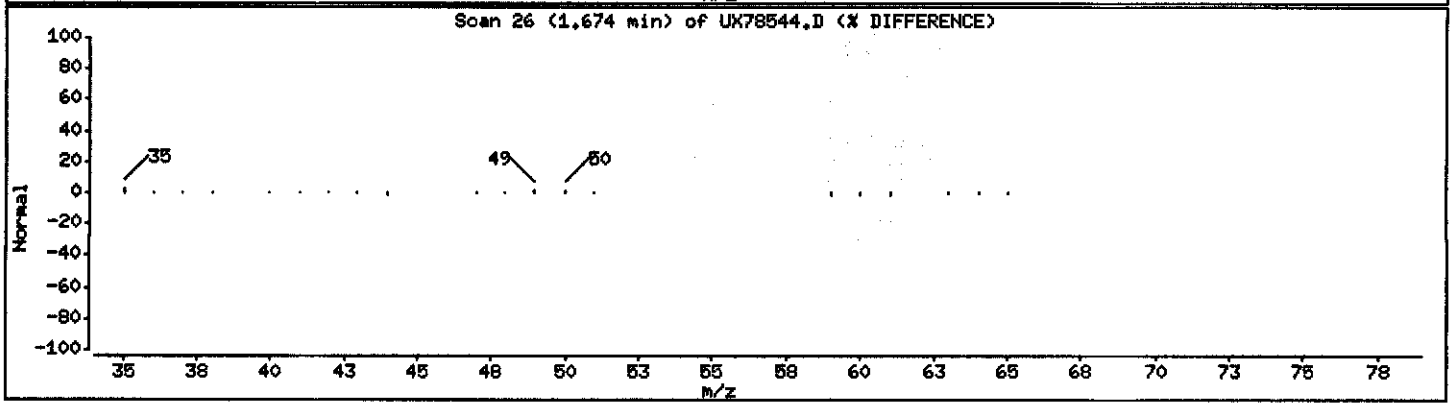
Column phase: DB624 20m Column diameter: 0.18

10 Vinyl Chloride Concentration: 163.38 ug/L









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Date : 03-JAN-2005 12:06

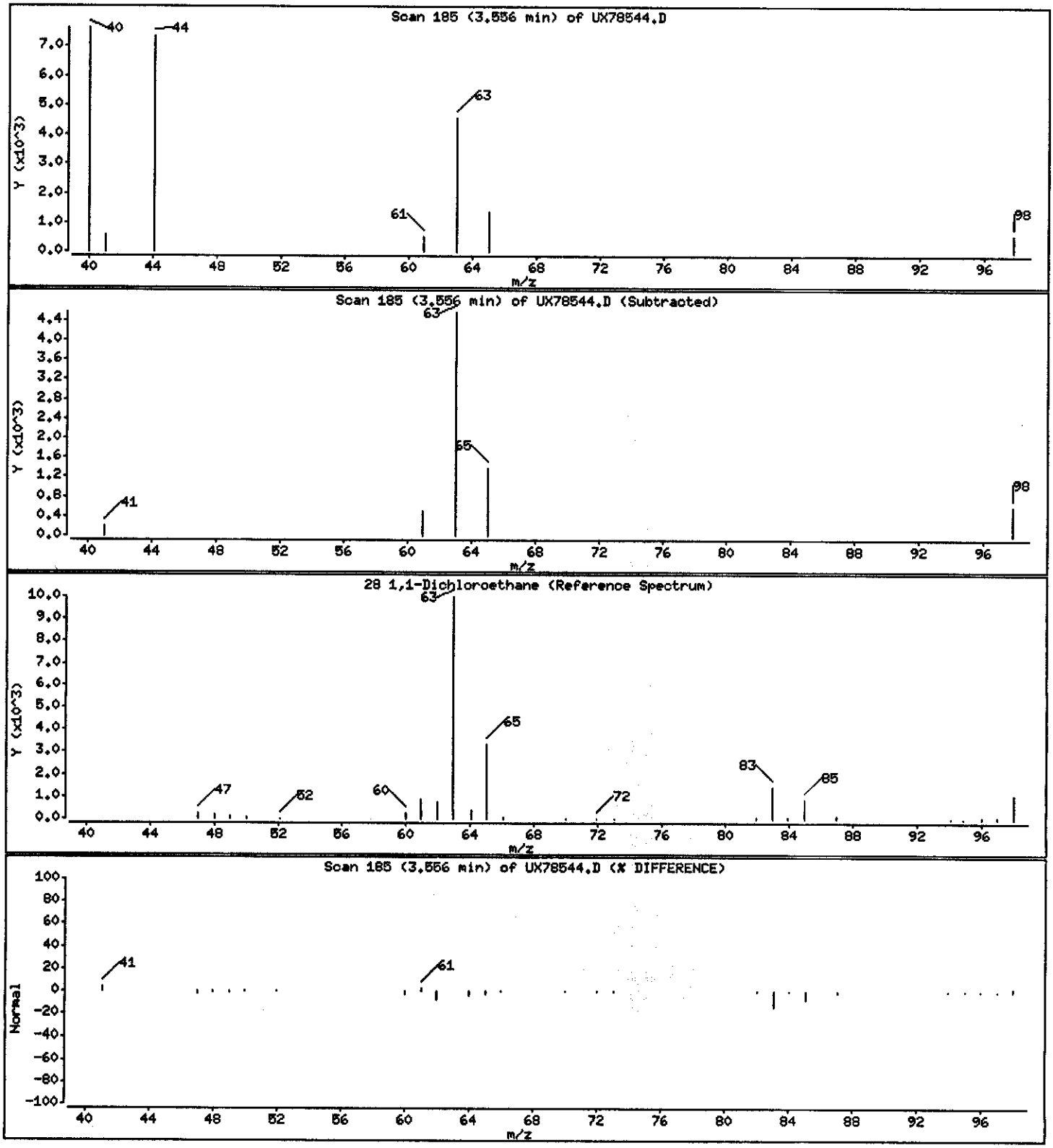
Client ID: MW-8/122204 Instrument: a3ux7.i

Sample Info: G1QMJ1AA,0.3ML/5ML

Purge Volume: 0.3 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 3.081 ug/L



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Date : 03-JAN-2005 12:06

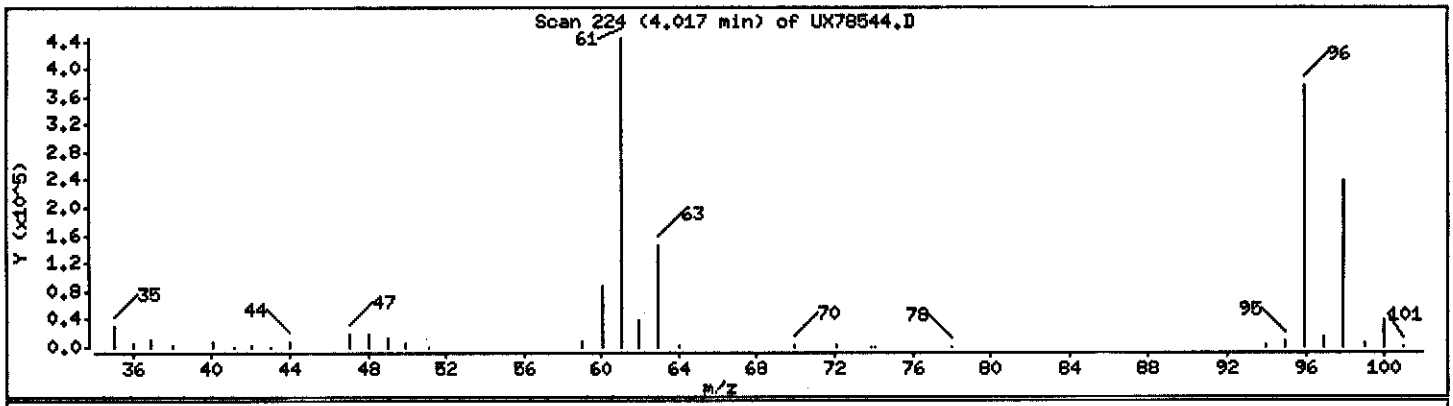
Client ID: MW-8/122204 Instrument: a3ux7.i

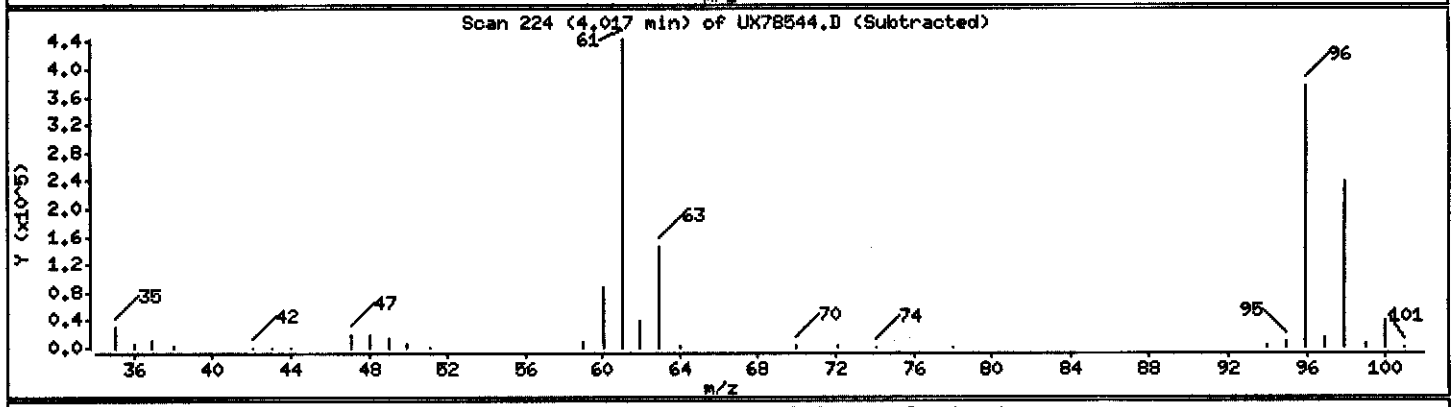
Sample Info: C1QMJ1AA,0.3ML/5ML

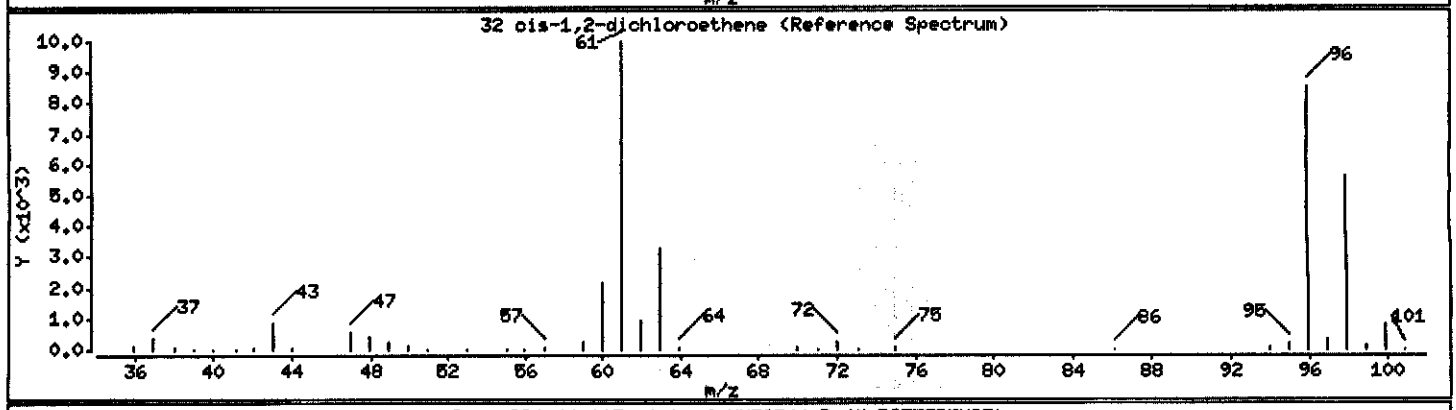
Purge Volume: 0.3 Operator: 1904

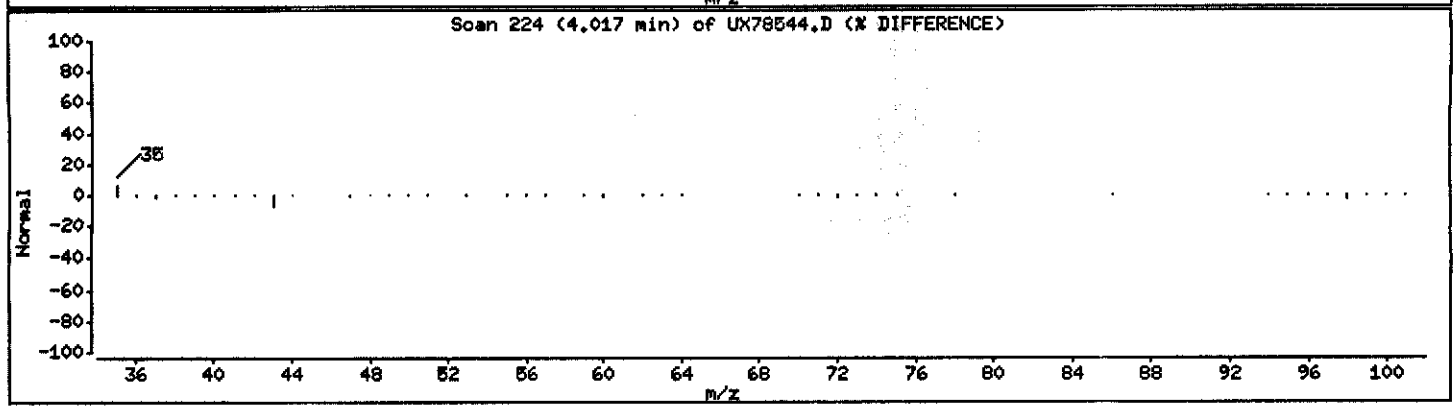
Column phase: DB624 20m Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 375.38 ug/L









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Date : 03-JAN-2005 12:06

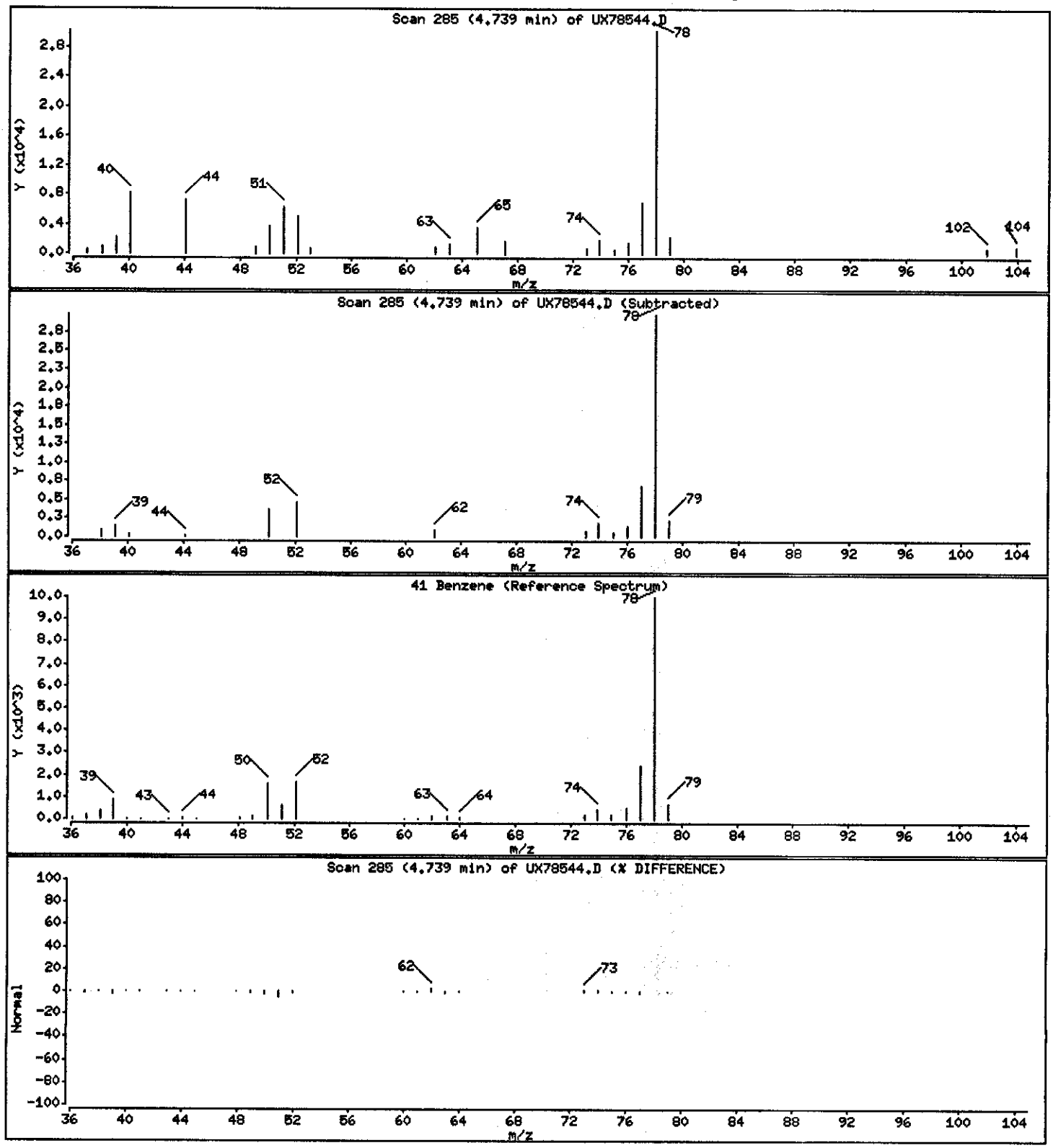
Client ID: MW-8/122204 Instrument: a3ux7.i

Sample Info: G1QMJ1AA,0.3ML/5ML

Purge Volume: 0.3 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

41 Benzene Concentration: 7.835 ug/L



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Date : 03-JAN-2005 12:06

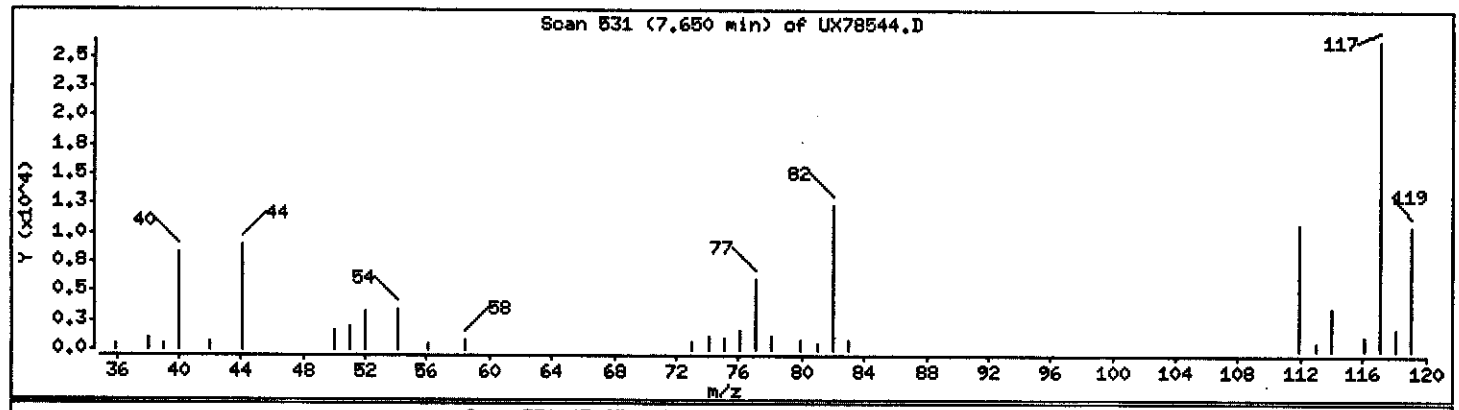
Client ID: MW-8/122204 Instrument: a3ux7.i

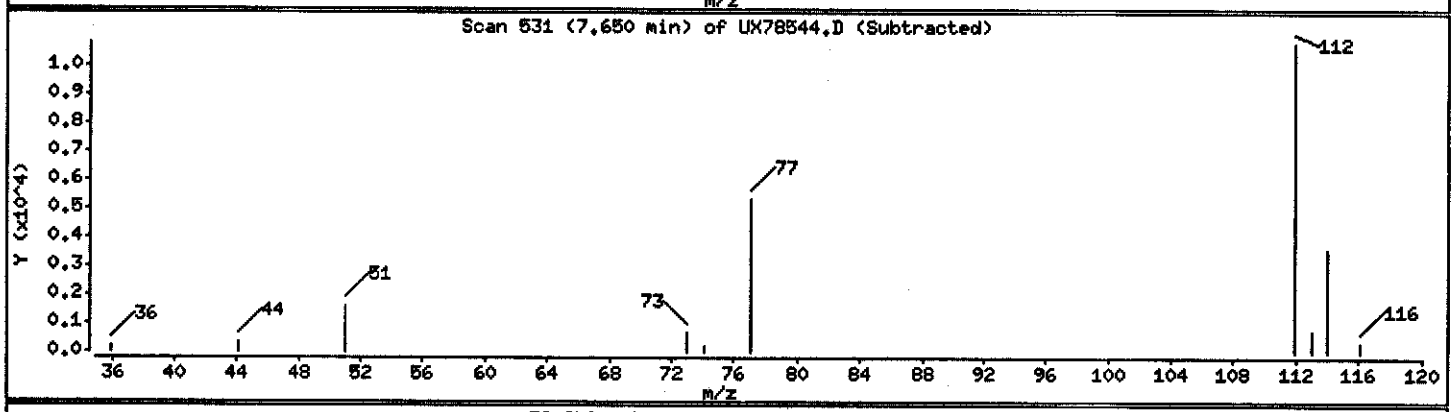
Sample Info: G1QMJ1AA,0.3ML/5ML

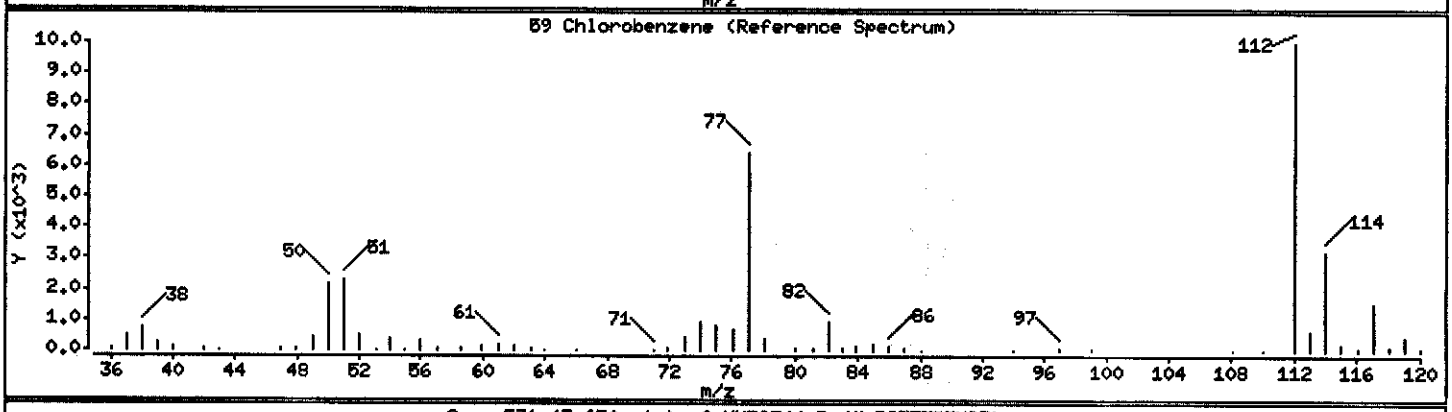
Purge Volume: 0.3 Operator: 1904

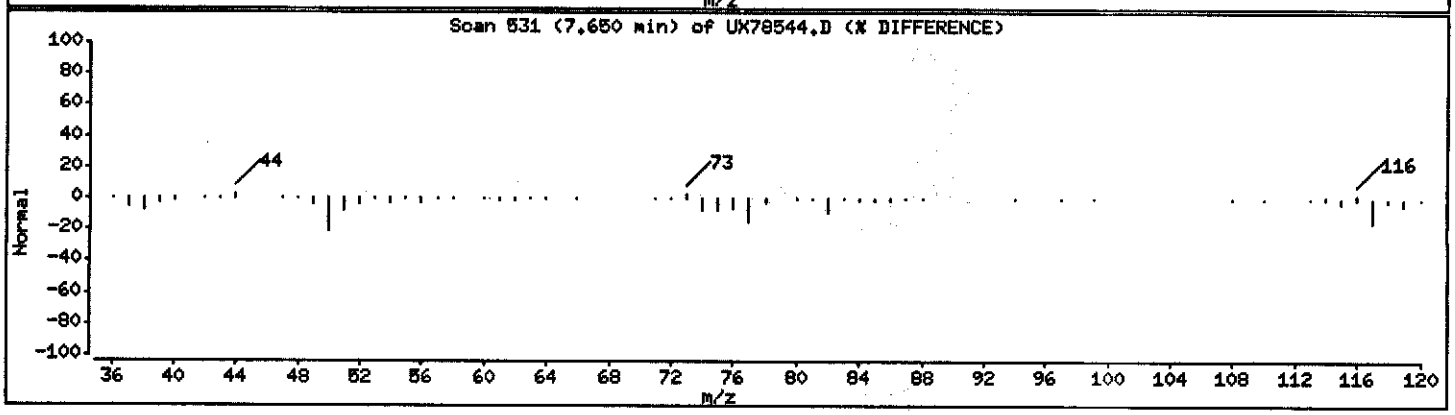
Column phase: DB624 20m Column diameter: 0.18

59 Chlorobenzene Concentration: 4.008 ug/L









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Date : 03-JAN-2005 12:06

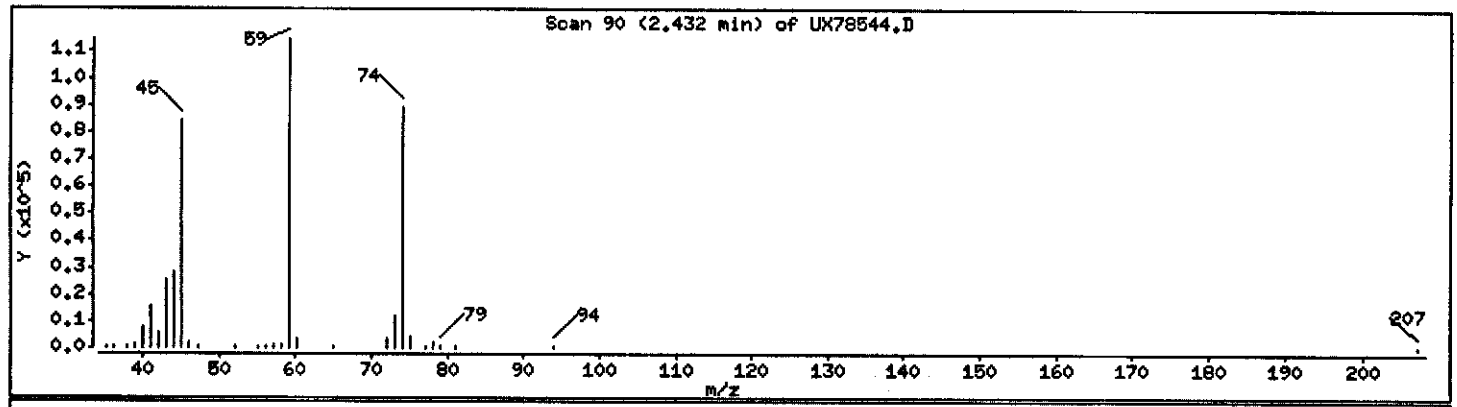
Client ID: MW-8/122204 Instrument: a3ux7.i

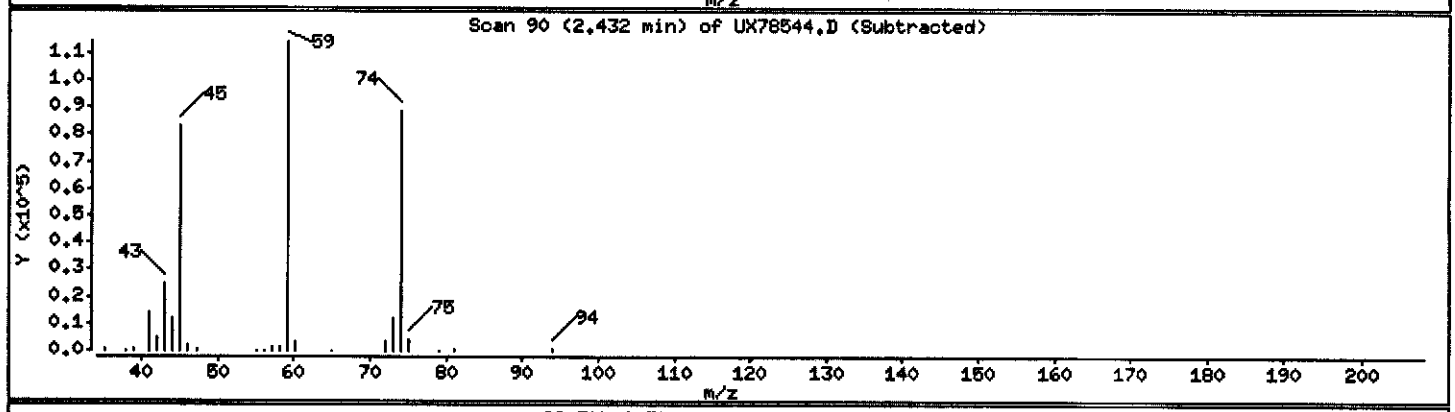
Sample Info: G1QMJ1AA,0.3ML/5ML

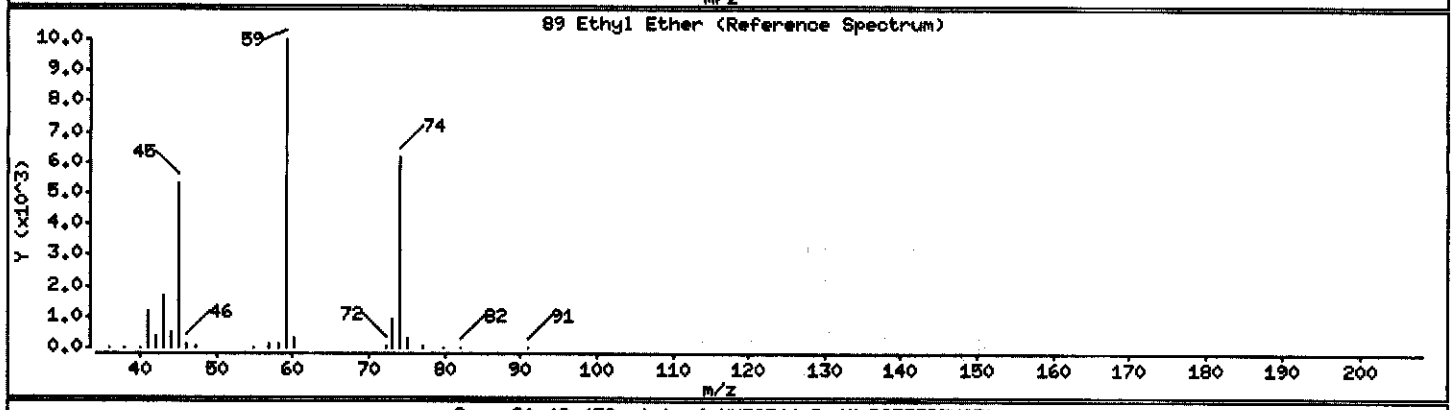
Purge Volume: 0.3 Operator: 1904

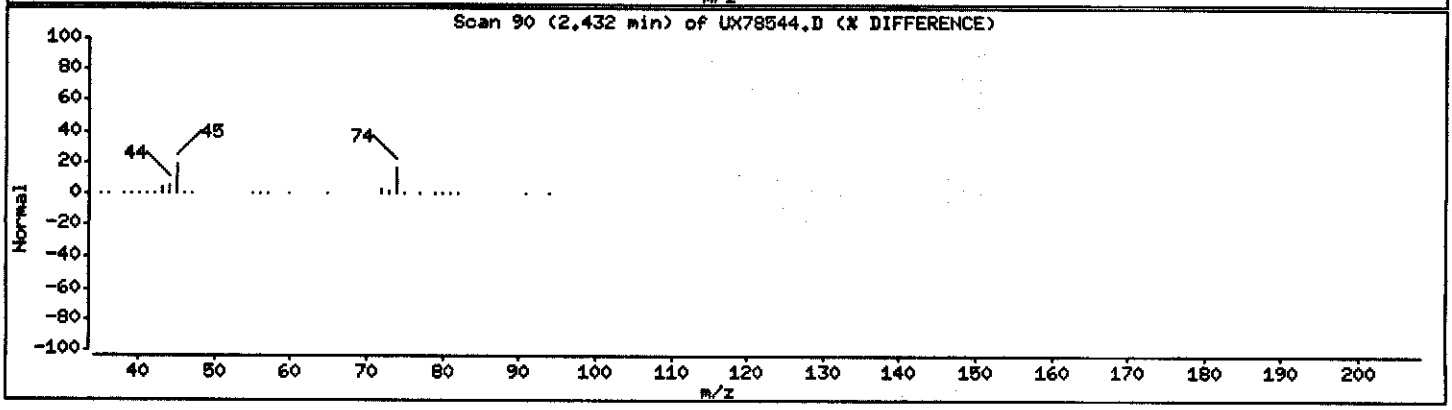
Column phase: DB624 20m Column diameter: 0.18

89 Ethyl Ether Concentration: 219.83 ug/L









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Date : 03-JAN-2005 12:06

Client ID: MW-8/122204

Instrument: a3ux7.i

Sample Info: G1QMJ1AA,0.3ML/5ML

Purge Volume: 0.3

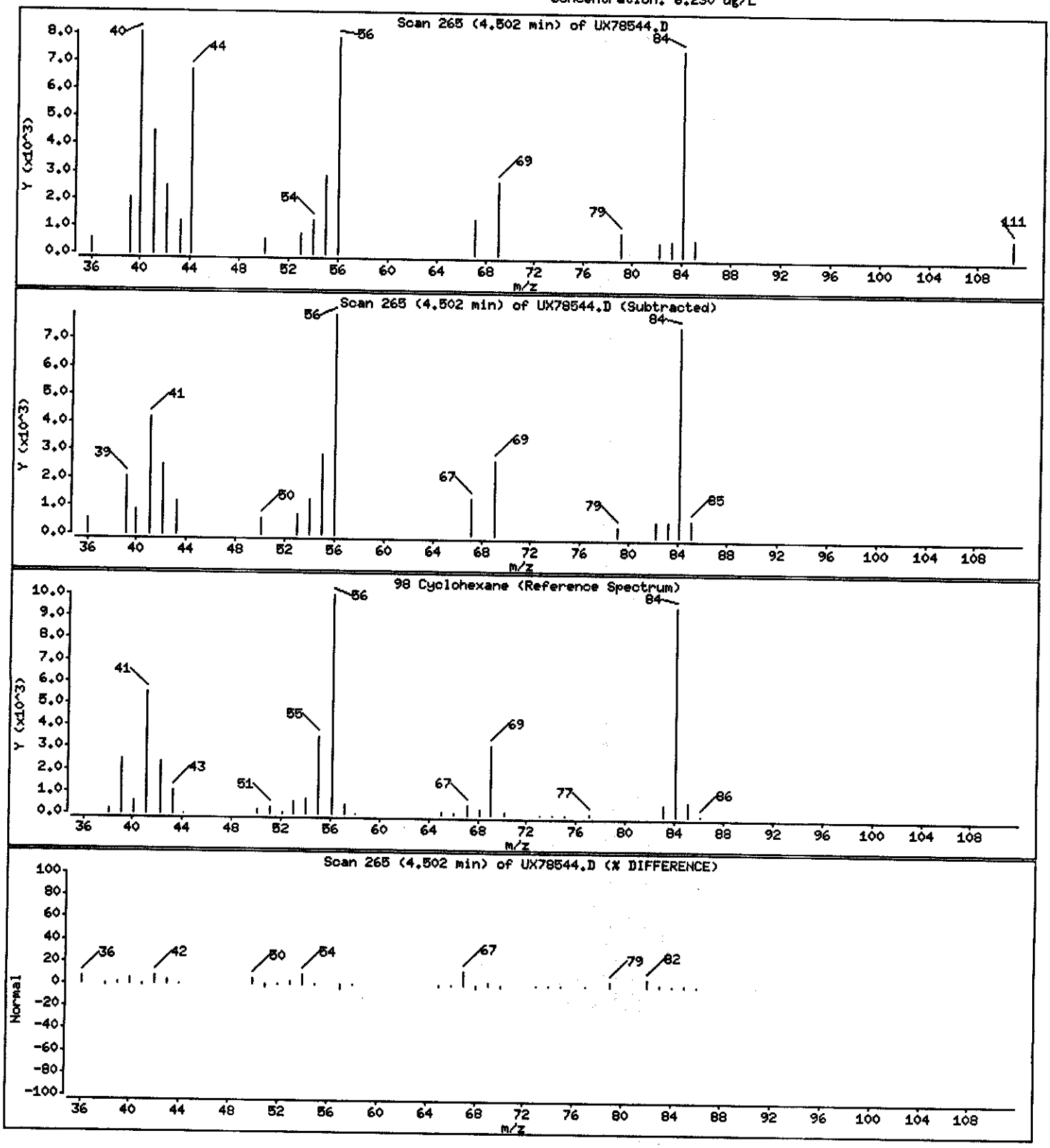
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

98 Cyclohexane

Concentration: 6.230 ug/L



PAYNE FIRM INC.

Client Sample ID: MW-31D/122204

GC/MS Volatiles

Lot-Sample #...: A4L230115-007 **Work Order #...:** G1QMK1AA **Matrix.....:** WG
Date Sampled...: 12/22/04 11:05 **Date Received..:** 12/23/04
Prep Date.....: 01/03/05 **Analysis Date..:** 01/03/05
Prep Batch #...: 5005223
Dilution Factor: 6.67 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	67	ug/L
Acetonitrile	ND	130	ug/L
Acrolein	ND	130	ug/L
Acrylonitrile	ND	130	ug/L
Benzene	**9.4**	**6.7**	**ug/L**
Bromodichloromethane	ND	6.7	ug/L
Bromoform	ND	6.7	ug/L
Bromomethane	ND	6.7	ug/L
2-Butanone	ND	67	ug/L
Carbon disulfide	ND	6.7	ug/L
Carbon tetrachloride	ND	6.7	ug/L
Chlorobenzene	ND	6.7	ug/L
Chloroprene	ND	13	ug/L
Dibromochloromethane	ND	6.7	ug/L
Chloroethane	ND	6.7	ug/L
Chloroform	ND	6.7	ug/L
Chloromethane	ND	6.7	ug/L
3-Chloropropene	ND	13	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	13	ug/L
1,2-Dibromoethane	ND	6.7	ug/L
Dibromomethane	ND	6.7	ug/L
trans-1,4-Dichloro-2-butene	ND	6.7	ug/L
1,1-Dichloroethane	**1.9 J**	**6.7**	**ug/L**
1,2-Dichloroethane	**19**	**6.7**	**ug/L**
cis-1,2-Dichloroethene	**170**	**6.7**	**ug/L**
trans-1,2-Dichloroethene	**6.0 J**	**6.7**	**ug/L**
1,1-Dichloroethene	ND	6.7	ug/L
1,2-Dichloroethene (total)	**180**	**13**	**ug/L**
Dichlorofluoromethane	ND	13	ug/L
1,2-Dichloropropane	ND	6.7	ug/L
cis-1,3-Dichloropropene	ND	6.7	ug/L
trans-1,3-Dichloropropene	ND	6.7	ug/L
1,4-Dioxane	**4300**	**330**	**ug/L**
Ethylbenzene	ND	6.7	ug/L
Ethyl methacrylate	ND	6.7	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-31D/122204

GC/MS Volatiles

Lot-Sample #...: A4L230115-007 **Work Order #...:** G1QMK1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	67	ug/L
Iodomethane	ND	6.7	ug/L
Isobutanol	ND	330	ug/L
Methacrylonitrile	ND	13	ug/L
Methylene chloride	ND	6.7	ug/L
Methyl methacrylate	ND	13	ug/L
4-Methyl-2-pentanone	ND	67	ug/L
Propionitrile	ND	27	ug/L
Styrene	ND	6.7	ug/L
1,1,1,2-Tetrachloroethane	ND	6.7	ug/L
1,1,2,2-Tetrachloroethane	ND	6.7	ug/L
Tetrachloroethene	ND	6.7	ug/L
Toluene	ND	6.7	ug/L
1,1,1-Trichloroethane	ND	6.7	ug/L
1,1,2-Trichloroethane	ND	6.7	ug/L
Trichloroethene	**32**	**6.7**	**ug/L**
Trichlorofluoromethane	ND	6.7	ug/L
1,2,3-Trichloropropane	ND	6.7	ug/L
Vinyl acetate	ND	13	ug/L
Vinyl chloride	**41**	**6.7**	**ug/L**
Xylenes (total)	ND	13	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78542.D
Report Date: 05-Jan-2005 12:45

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78542.D
Lab Smp Id: G1QMK1AA Client Smp ID: MW-31D/122204
Inj Date : 03-JAN-2005 11:20
Operator : 1904 Inst ID: a3ux7.i
Smp Info : G1QMK1AA,0.75ML/5ML
Misc Info : U50103A,N8260UX7-3,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m
Meth Date : 05-Jan-2005 12:43 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.750	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.964	4.961	(1.000)	1101870	50.0000	
* 2 Chlorobenzene-d5	117	7.615	7.624	(1.000)	768824	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.851	9.848	(1.000)	339667	50.0000	
$ 4 Dibromofluoromethane	113	4.397	4.393	(0.886)	343019	54.1840	72.245
$ 5 1,2-Dichloroethane-d4	65	4.680	4.677	(0.943)	385417	51.5793	68.772
$ 6 Toluene-d8	98	6.313	6.310	(0.829)	1265358	50.9065	67.875
$ 7 Bromofluorobenzene	95	8.727	8.724	(1.146)	386049	45.2718	60.362
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.675	1.684	(0.337)	204206	30.3785	40.505
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78542.D
Report Date: 05-Jan-2005 12:45

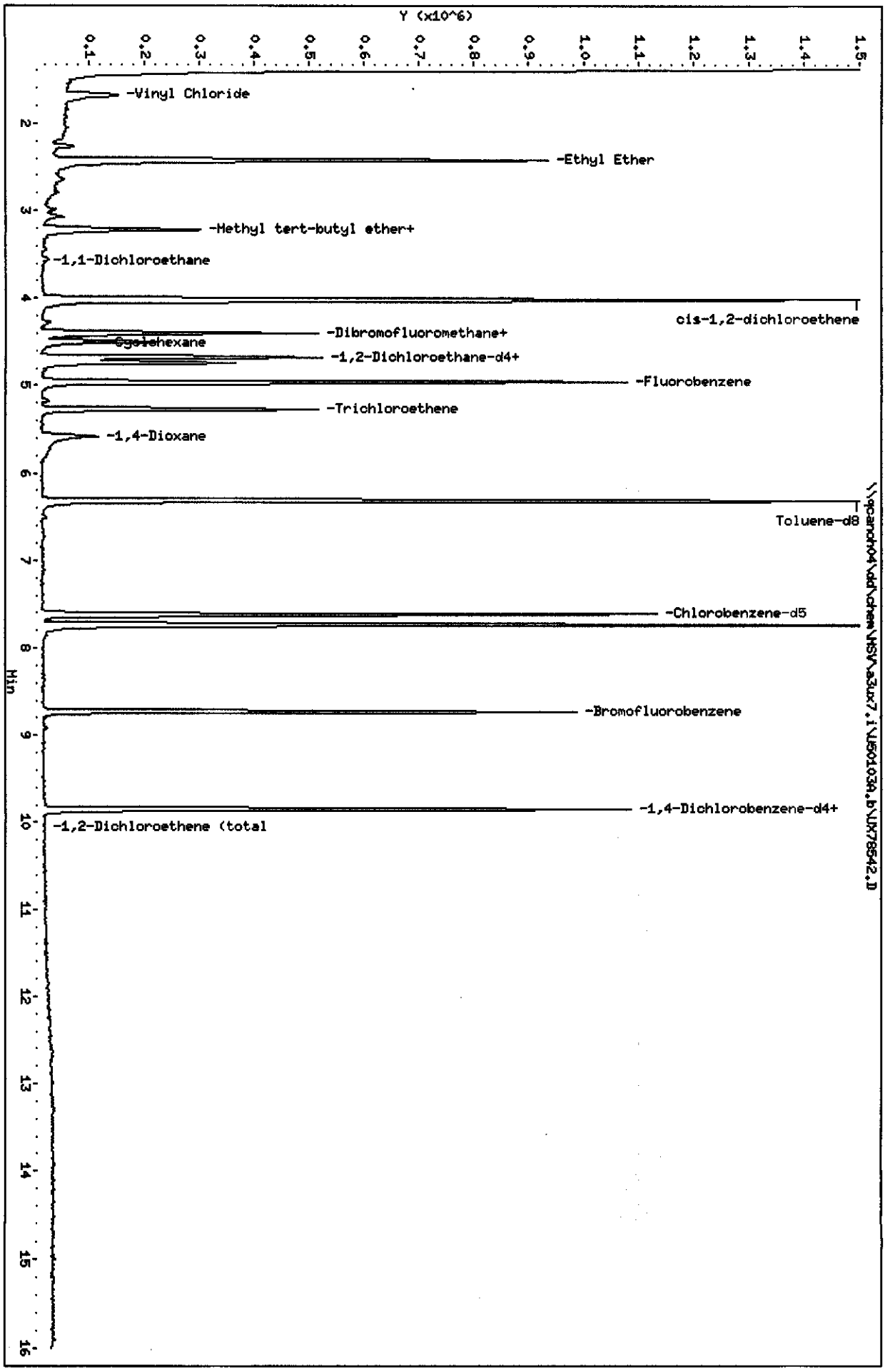
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	3.225	3.222	(0.650)	262960	14.0093	18.679
	25 trans-1,2-Dichloroethene	96	3.225	3.222	(0.650)	33174	4.46559	5.954
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.545	3.553	(0.714)	17113	1.39803	1.864
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				1027412	133.621	178.16
	32 cis-1,2-dichloroethene	96	4.018	4.015	(0.809)	994238	129.156	172.21
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.266	4.263	(0.859)	15452	6.28016	8.374
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	4.740	4.737	(0.955)	125009	14.1549	18.873
	41 Benzene	78	4.740	4.737	(0.955)	207810	7.02369	9.365
	42 Trichloroethene	130	5.272	5.269	(1.062)	194351	23.9651	31.953
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.580	5.577	(1.124)	174180	3235.92	4314.6(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78542.D
Report Date: 05-Jan-2005 12:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	9.875	9.872	(1.002)	20876	1.58421	2.112
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.420	2.420	(0.488)	708893	144.849	193.13
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.491	4.500	(0.905)	120726	10.3815	13.842
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 03-JAN-2005 11:20
Client ID: HW-31D/122204
Sample Info: G1QWK1AA,0.75ML/5ML
Purge Volume: 0.8
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Vinyl Chloride
-Ethyl Ether
-Methyl tert-butyl ether+
-1,1-Dichloroethane
cis-1,2-dichloroethene
-Dibromofluoromethane+
Cyclohexane
-1,2-Dichloroethane-d4+
-Fluorobenzene
-Trichloroethene
-1,4-Dioxane
Toluene-d8
-Chlorobenzene-d5
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichloroethene (total
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78542.D

Date : 03-JAN-2005 11:20

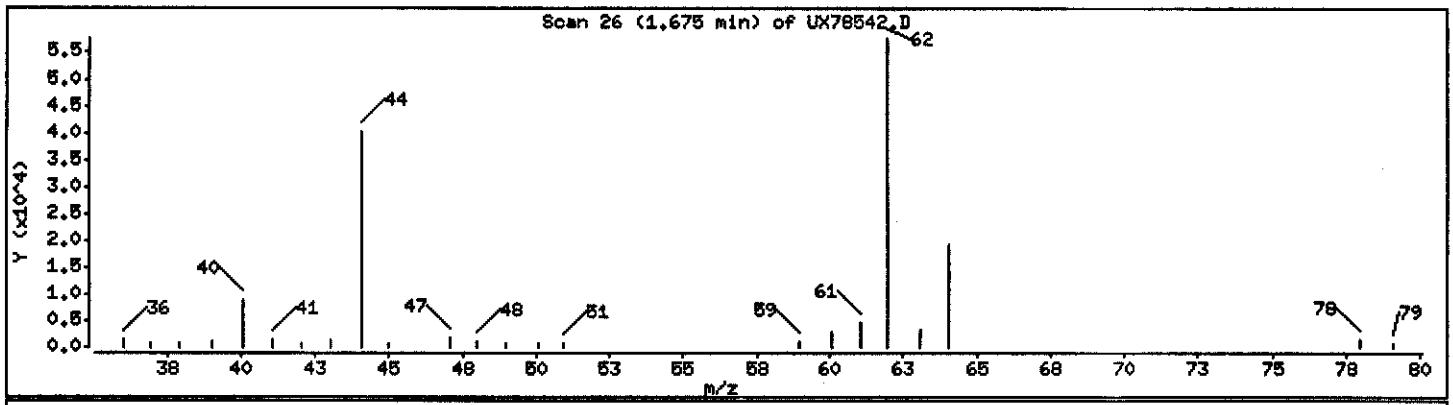
Client ID: MW-31D/122204 Instrument: a3ux7.i

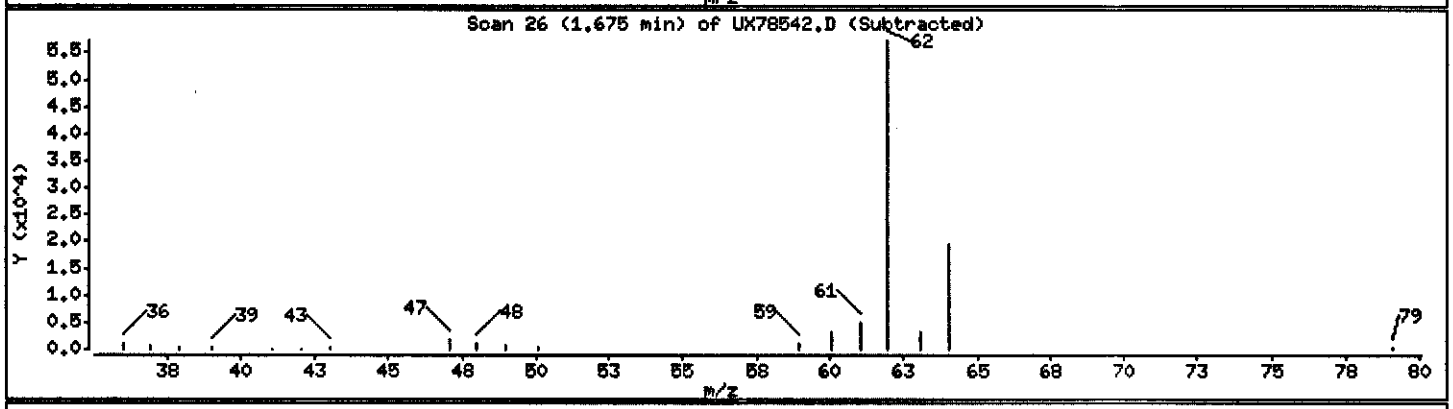
Sample Info: G1QMK1AA,0.75ML/5ML

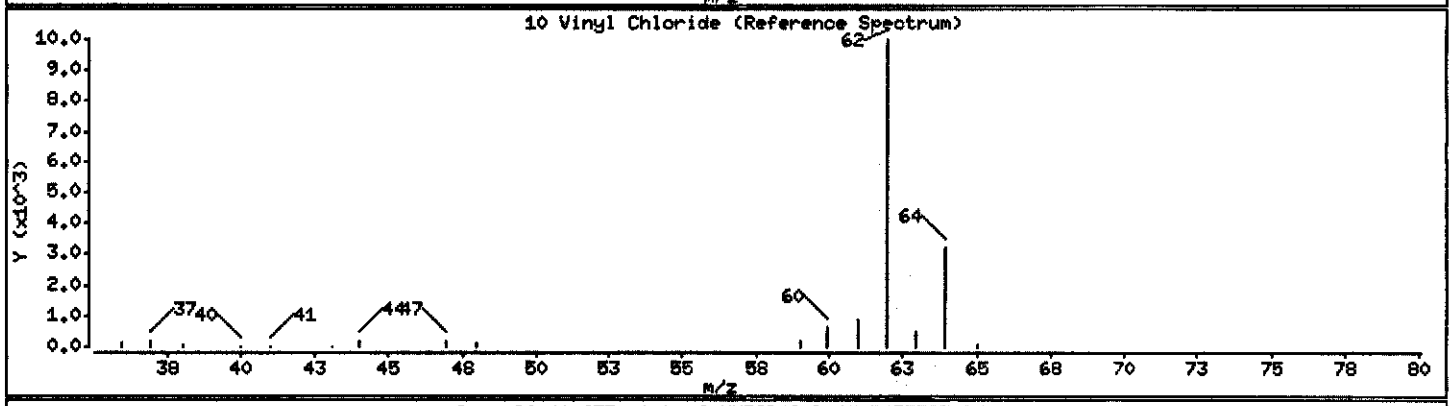
Purge Volume: 0.8 Operator: 1904

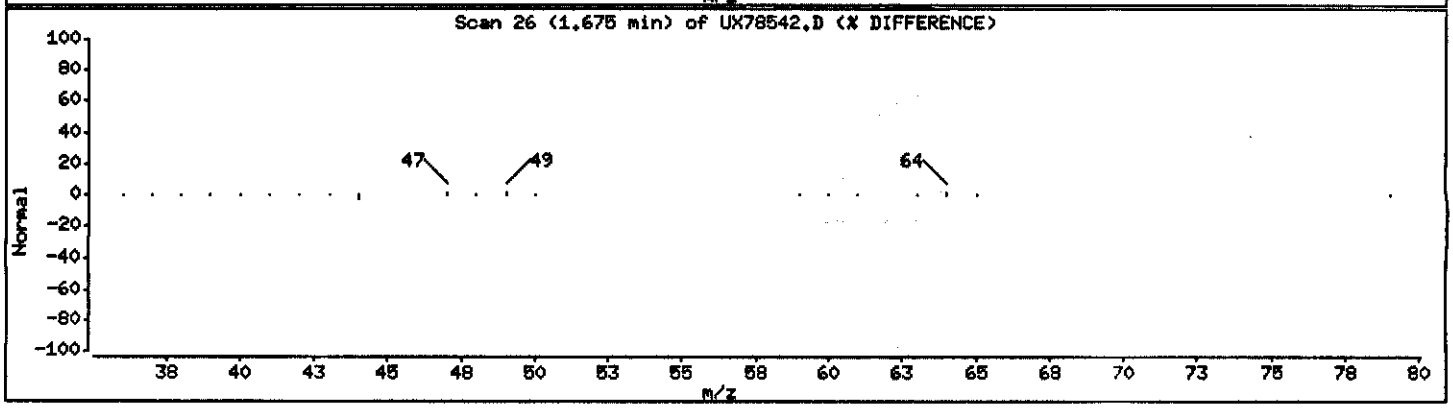
Column phase: DB624 20m Column diameter: 0.18

10 Vinyl Chloride Concentration: 40.505 ug/L









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Date : 03-JAN-2005 11:20

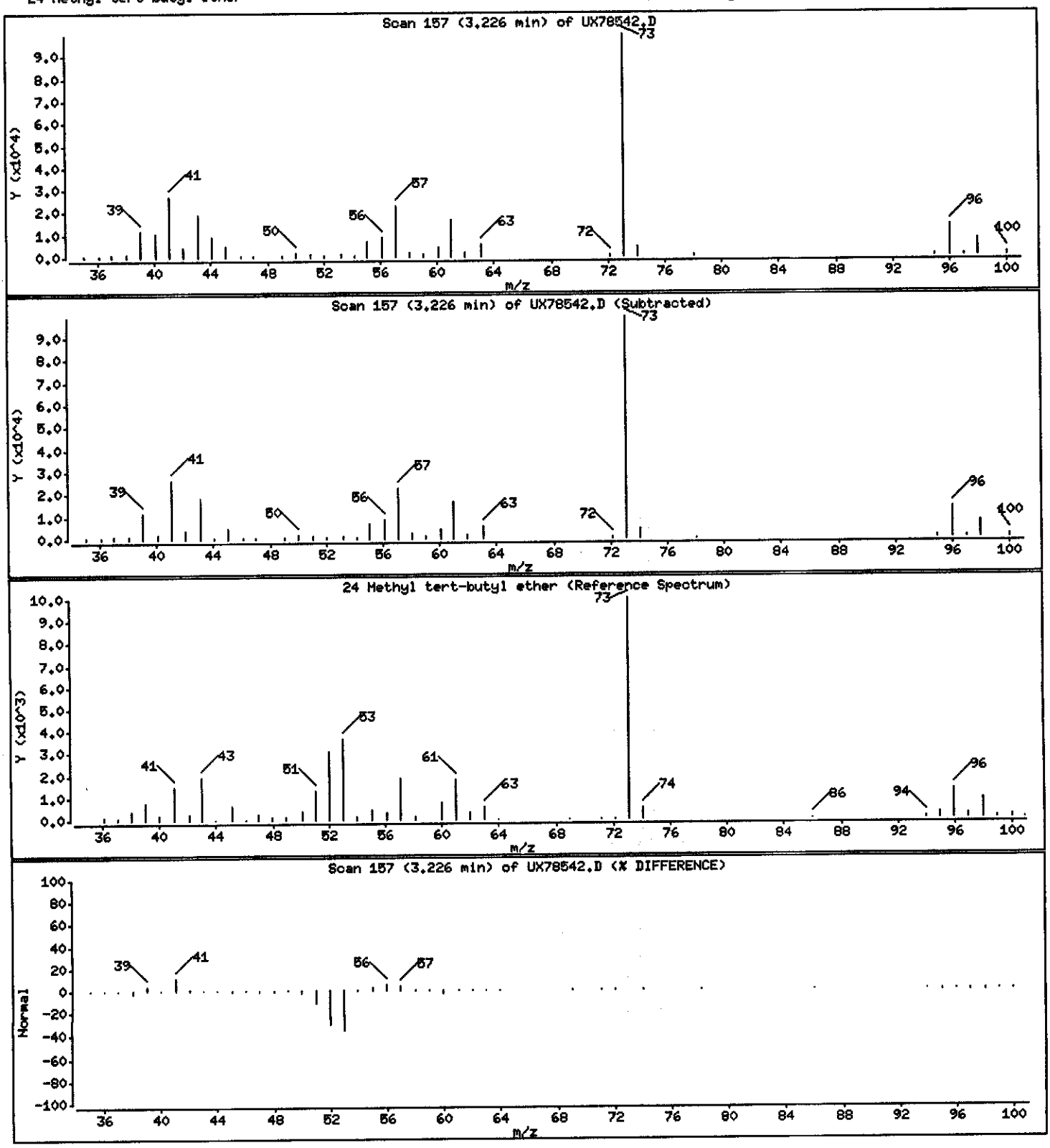
Client ID: MW-31D/122204 Instrument: a3ux7.i

Sample Info: G1QMK1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

24 Methyl tert-butyl ether Concentration: 18.679 ug/L



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Date : 03-JAN-2005 11:20

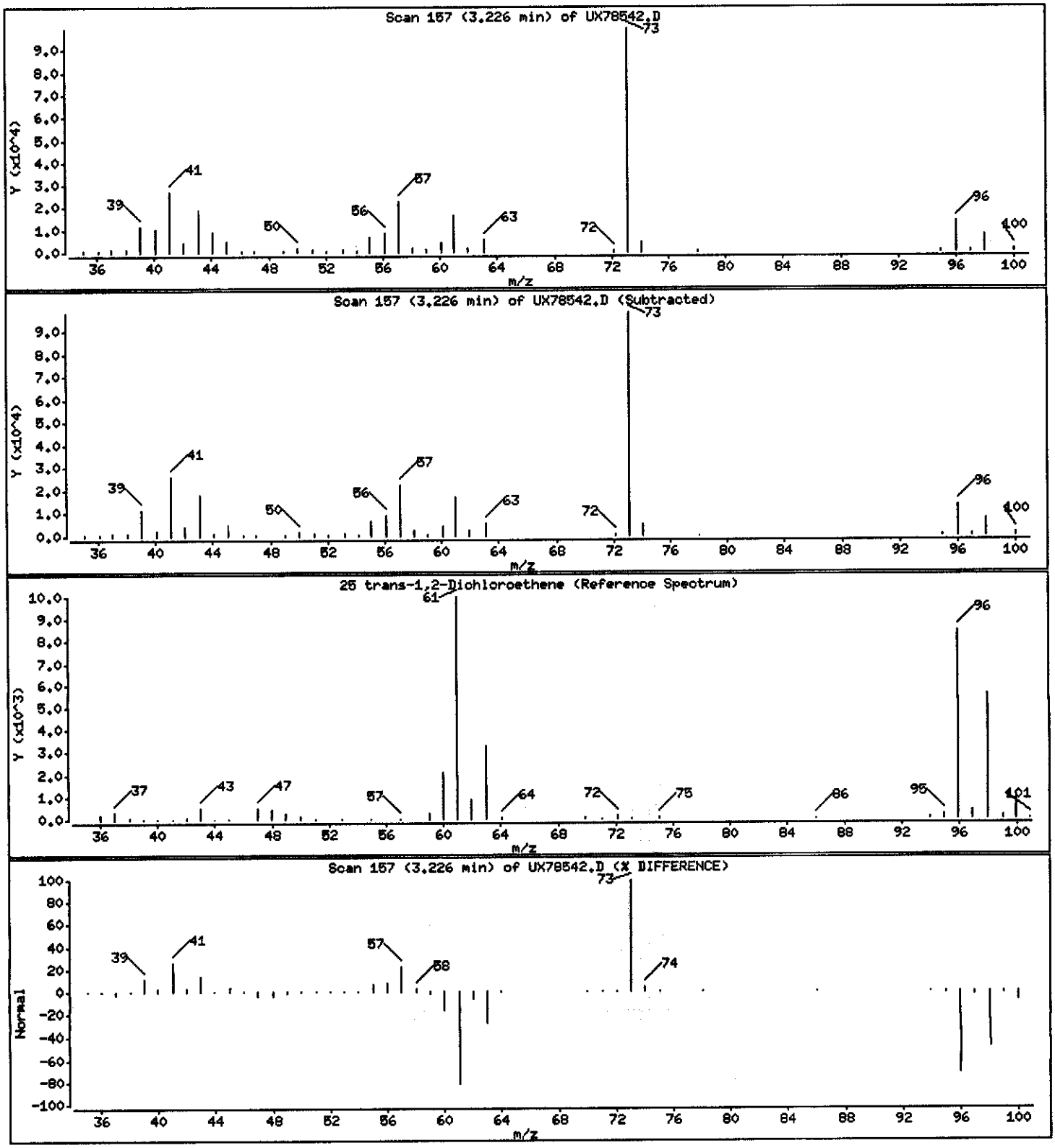
Client ID: MW-31D/122204 Instrument: a3ux7.i

Sample Info: G1QMK1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

25 trans-1,2-Dichloroethene Concentration: 5.954 ug/L



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Date : 03-JAN-2005 11:20

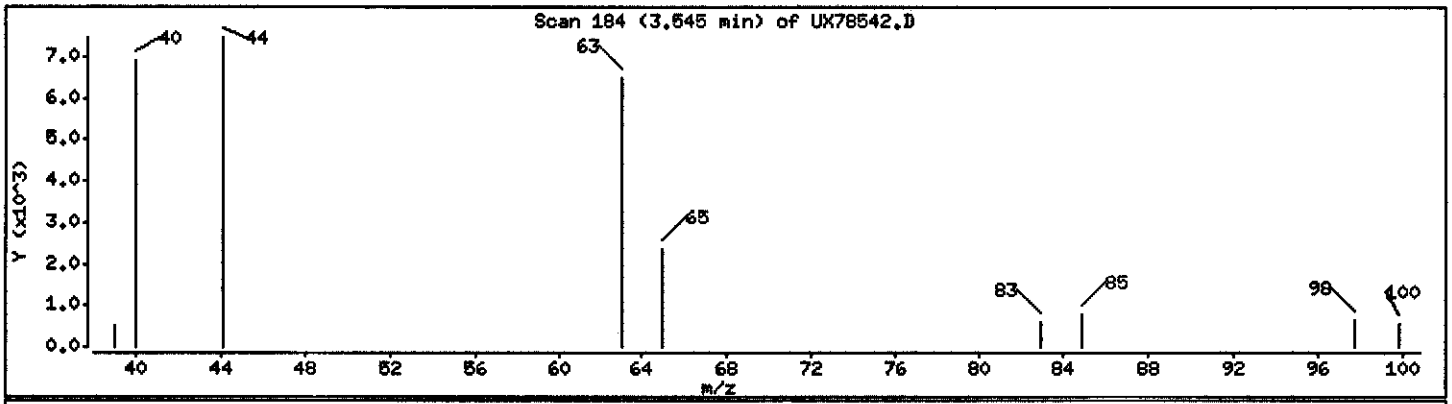
Client ID: MW-31D/122204 Instrument: a3ux7.i

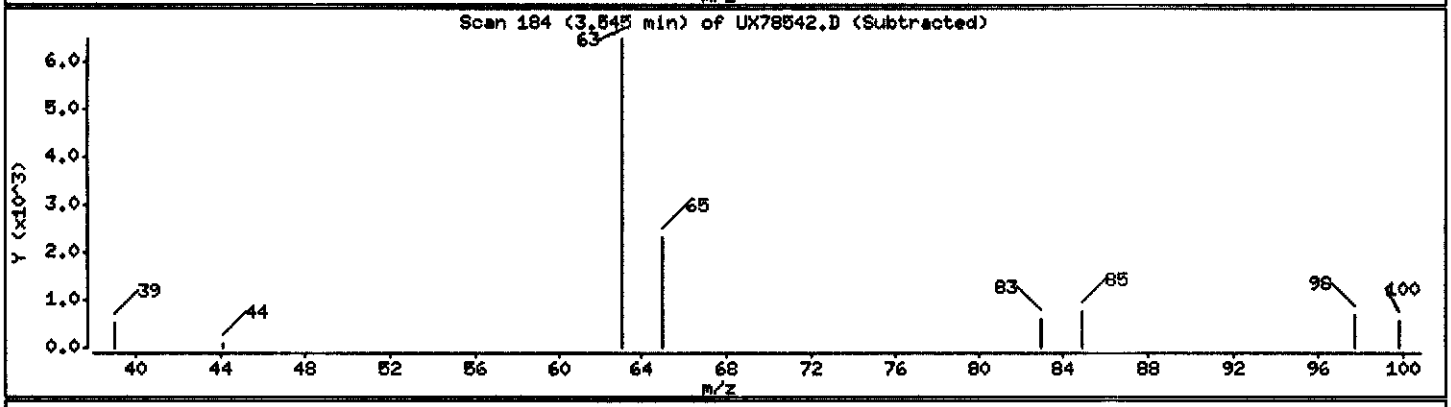
Sample Info: G1QMK1AA,0.75ML/5ML

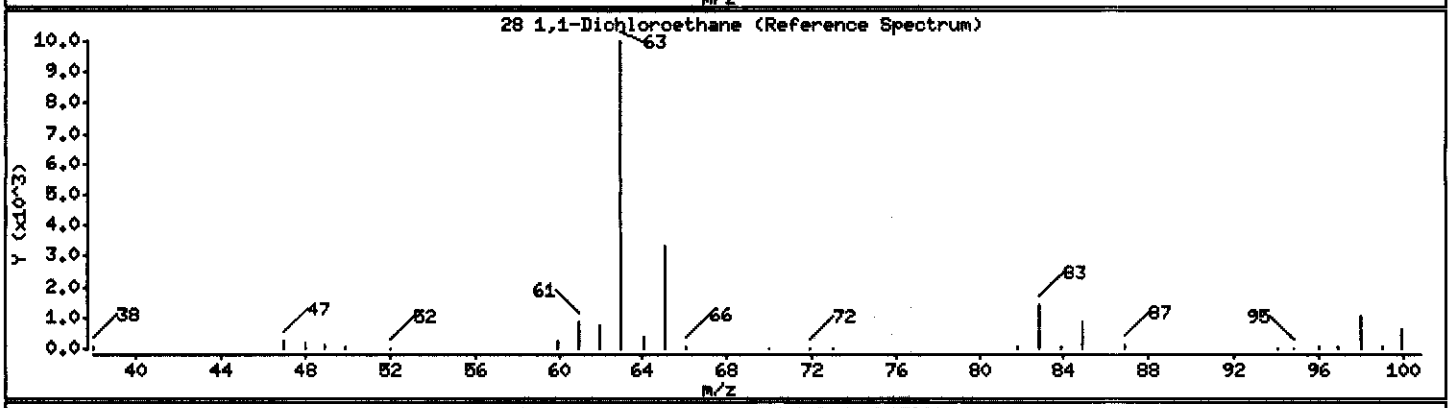
Purge Volume: 0.8 Operator: 1904

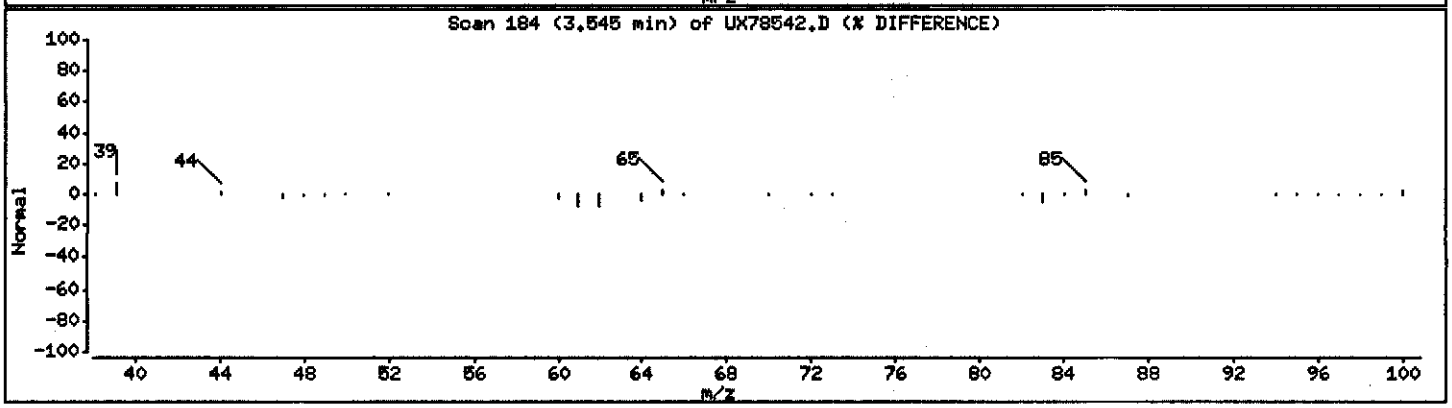
Column phase: DB624 20m Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 1.864 ug/L









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Date : 03-JAN-2005 11:20

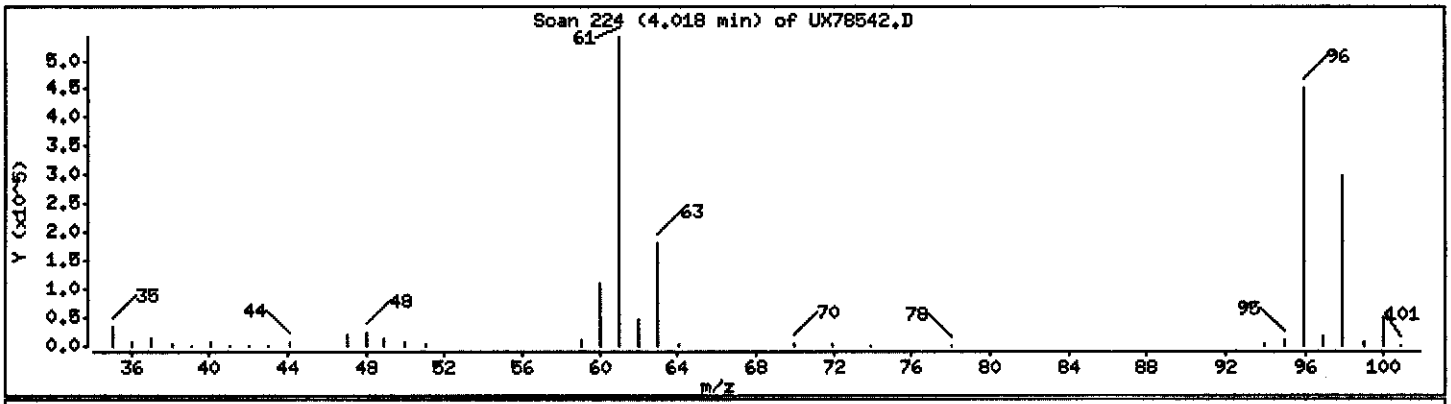
Client ID: MW-31D/122204 Instrument: a3ux7.i

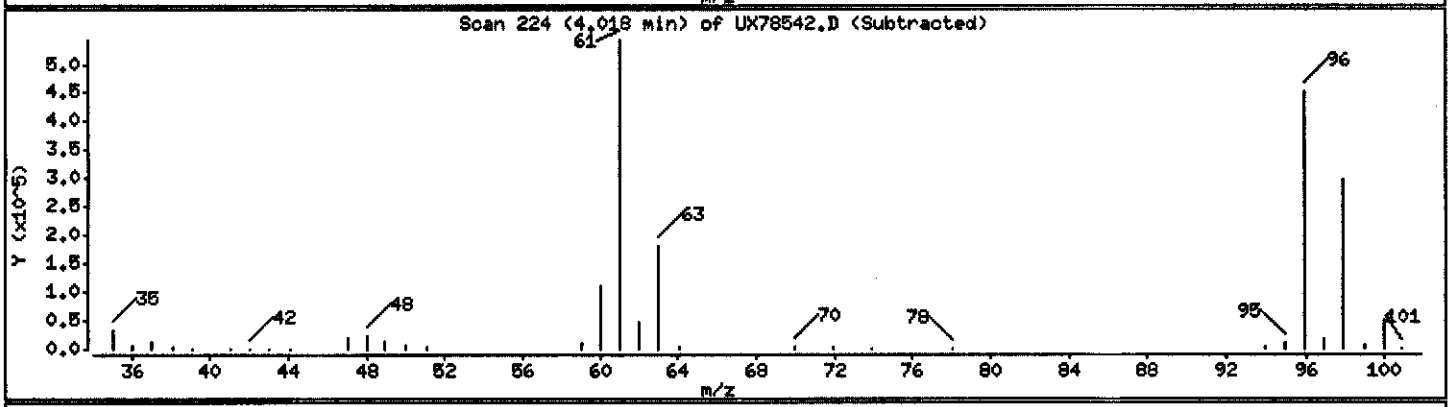
Sample Info: G1QMK1AA,0.75ML/5ML

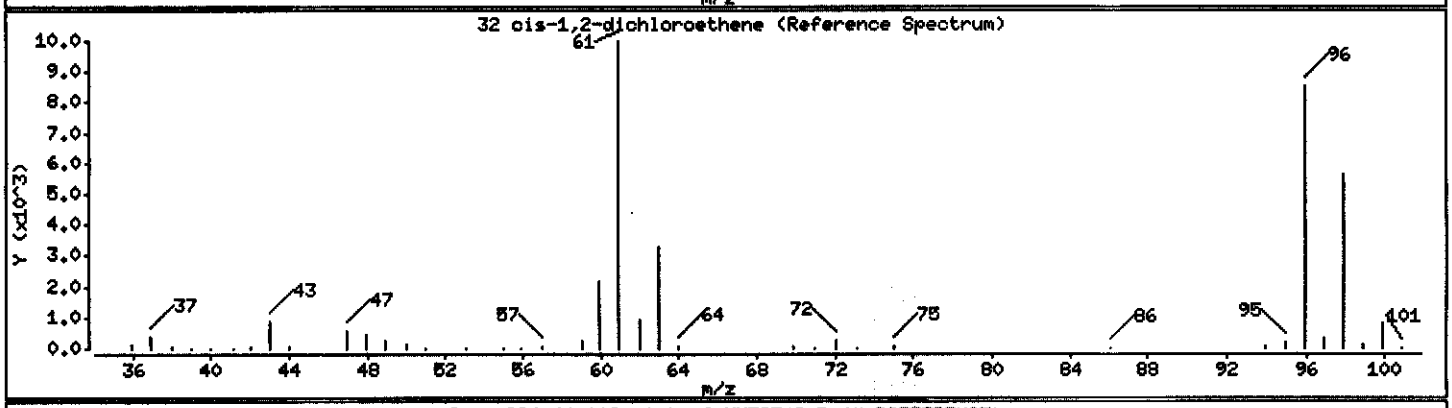
Purge Volume: 0.8 Operator: 1904

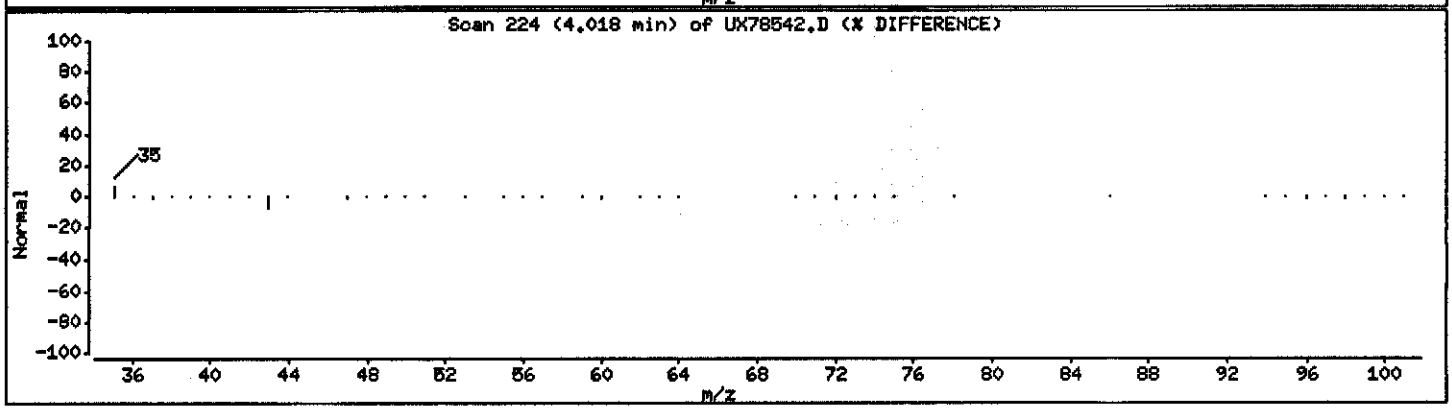
Column phase: DB624 20m Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 172.21 ug/L









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Date : 03-JAN-2005 11:20

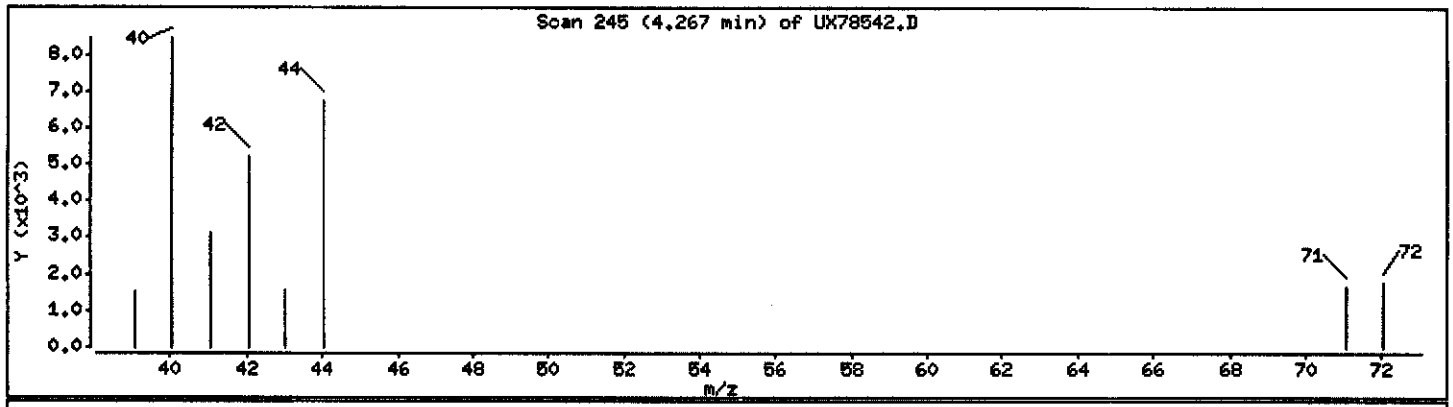
Client ID: MW-31D/122204 Instrument: a3ux7.i

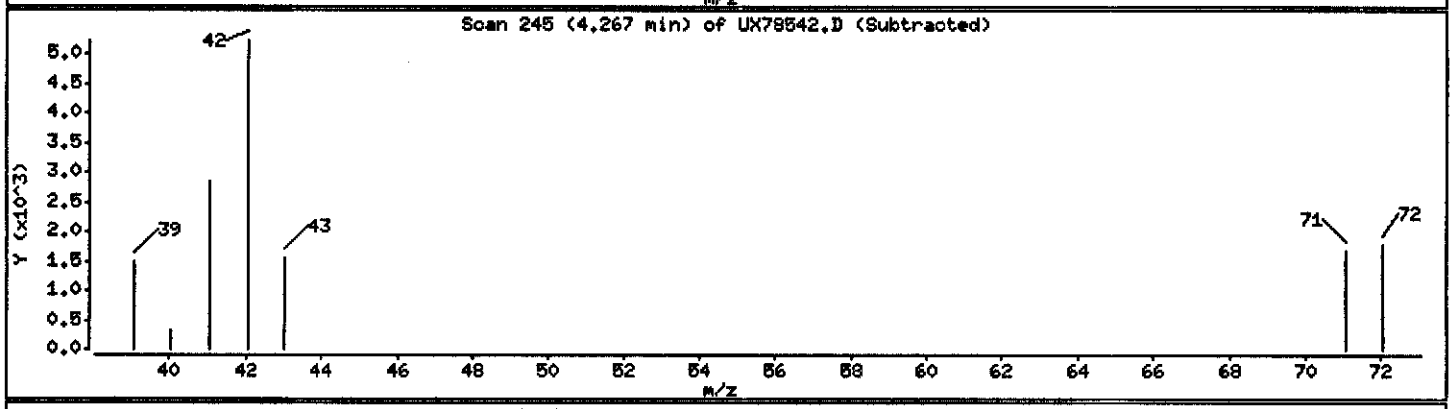
Sample Info: G1QMK1AA,0.75ML/5ML

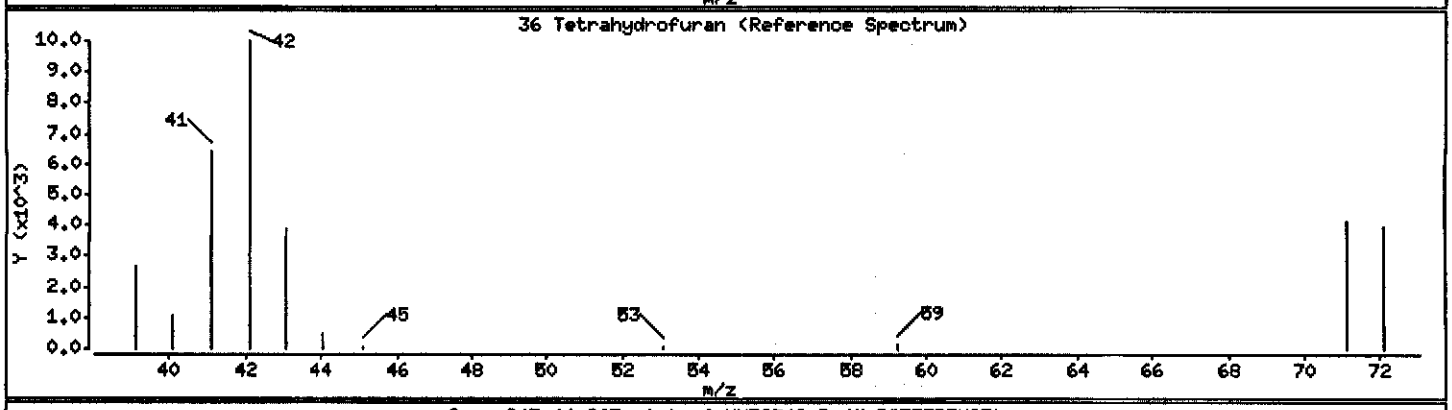
Purge Volume: 0.8 Operator: 1904

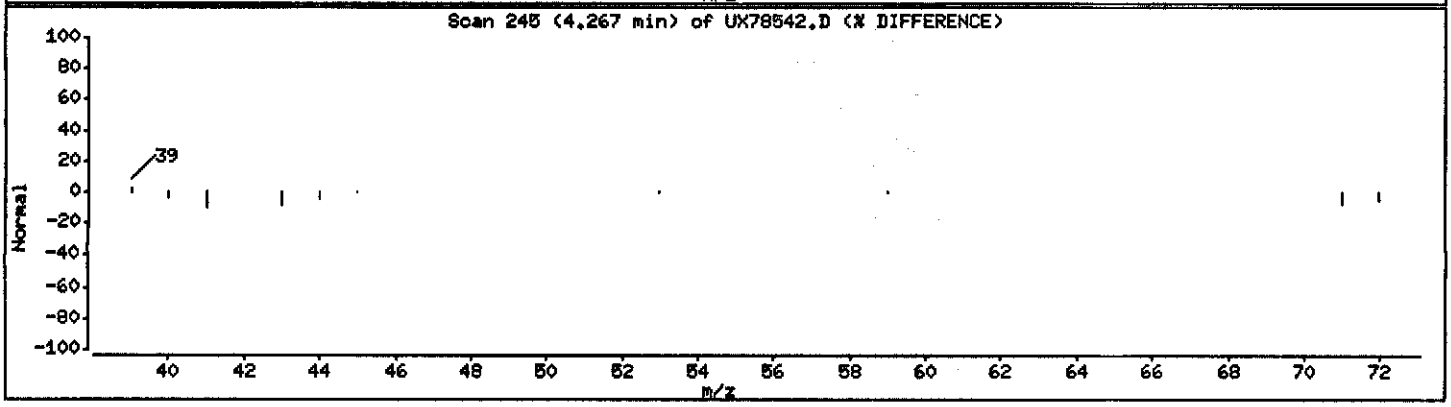
Column phase: DB624 20m Column diameter: 0.18

36 Tetrahydrofuran Concentration: 8.374 ug/L









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Date : 03-JAN-2005 11:20

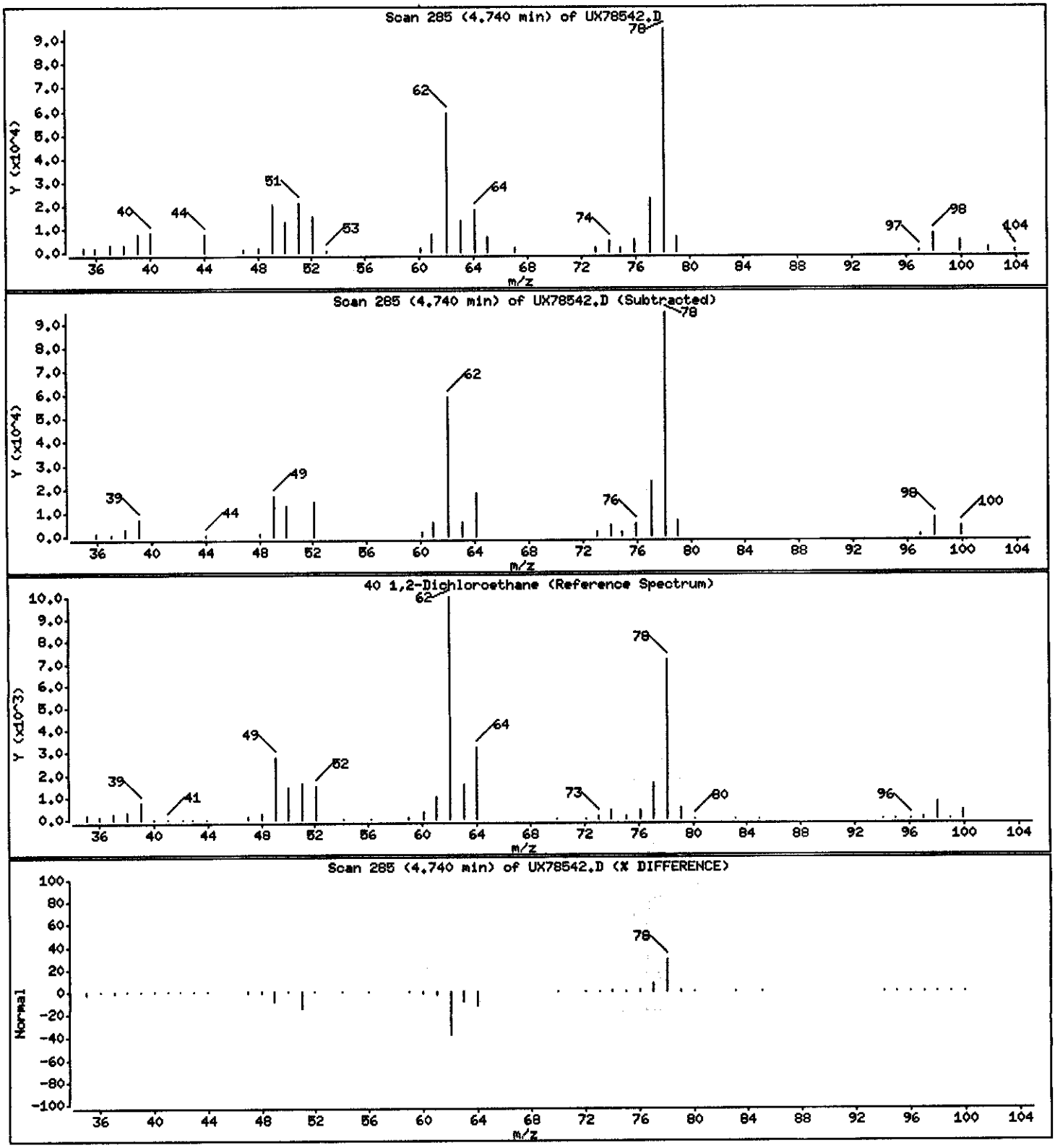
Client ID: MW-31D/122204 Instrument: a3ux7.i

Sample Info: G1QMK1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 18.873 ug/L



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Date : 03-JAN-2005 11:20

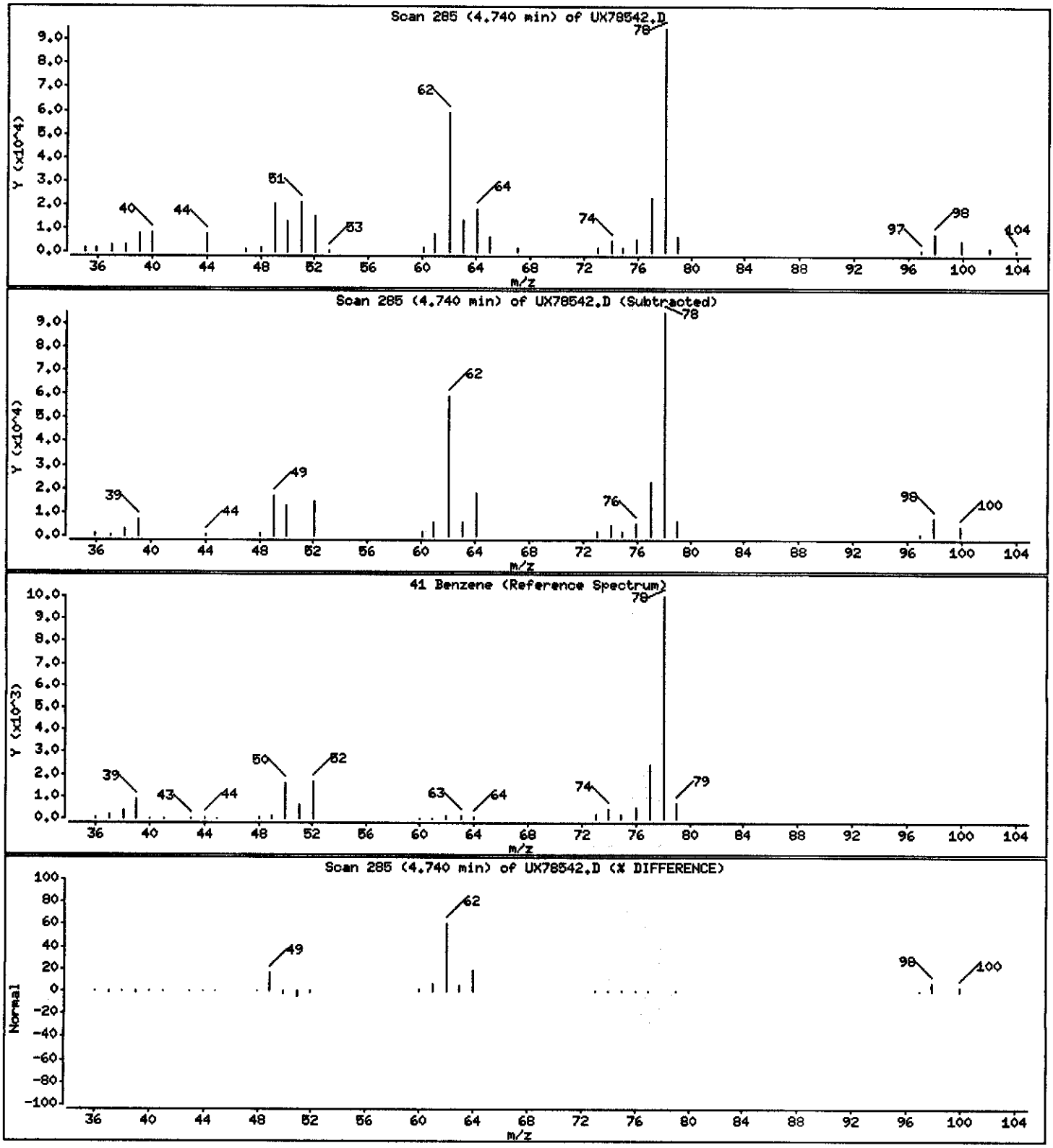
Client ID: MW-31D/122204 Instrument: a3ux7.i

Sample Info: G1QMK1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

41 Benzene Concentration: 9.365 ug/L



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Date : 03-JAN-2005 11:20

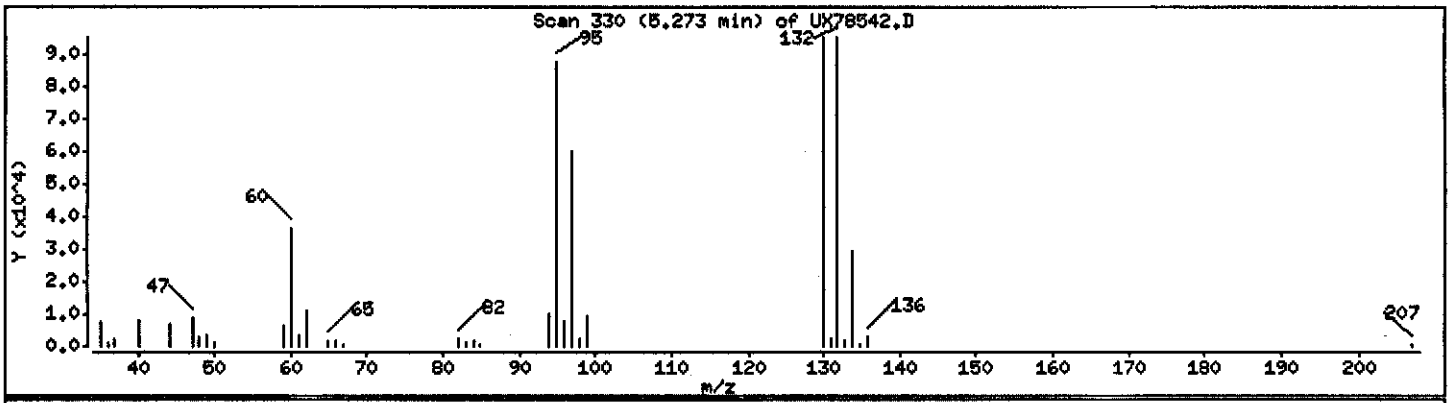
Client ID: MW-31D/122204 Instrument: a3ux7.i

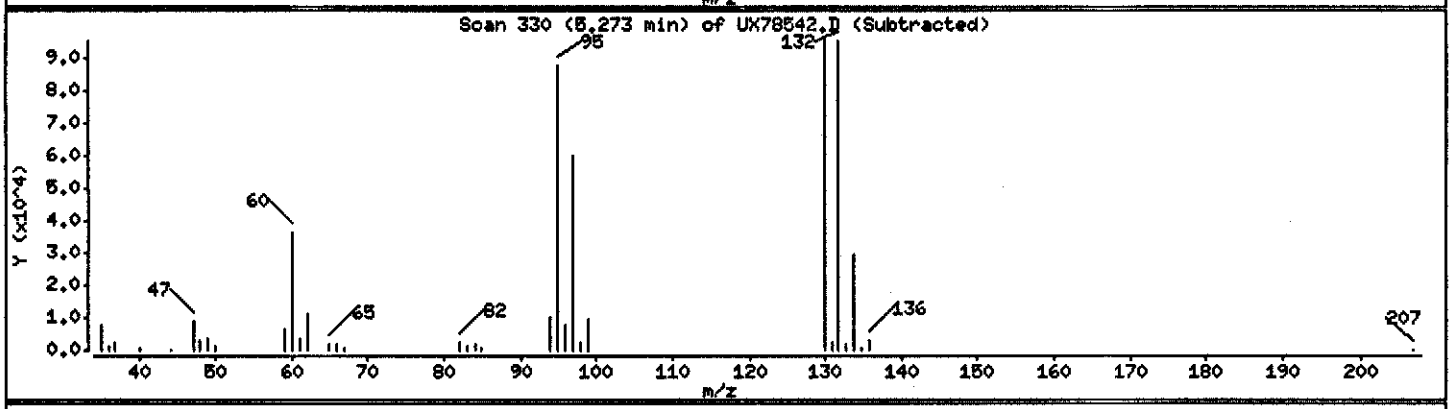
Sample Info: G1QMK1AA,0.75ML/5ML

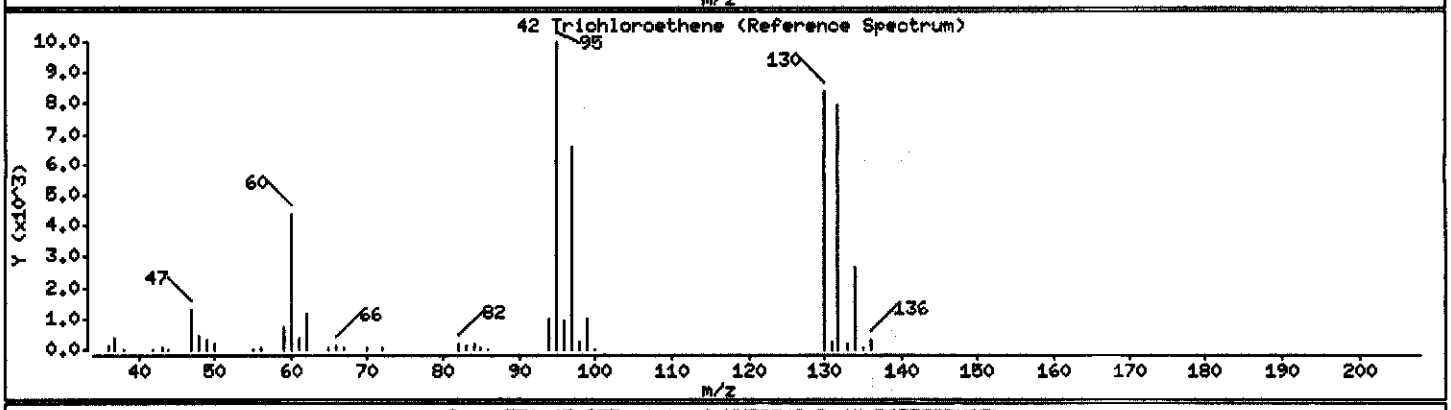
Purge Volume: 0.8 Operator: 1904

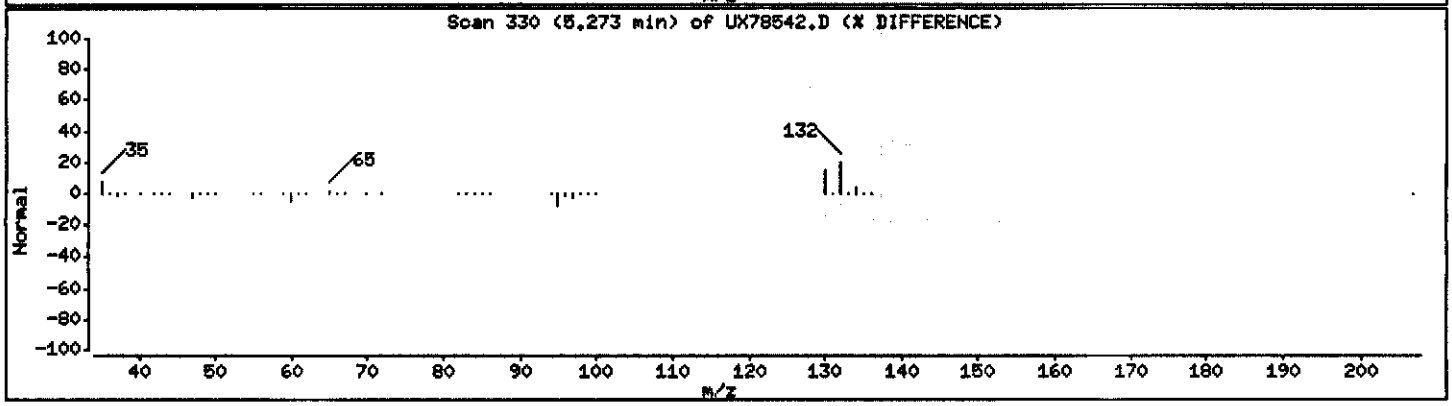
Column phase: DB624 20m Column diameter: 0.18

42 Trichloroethene Concentration: 31.953 ug/L









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Date : 03-JAN-2005 11:20

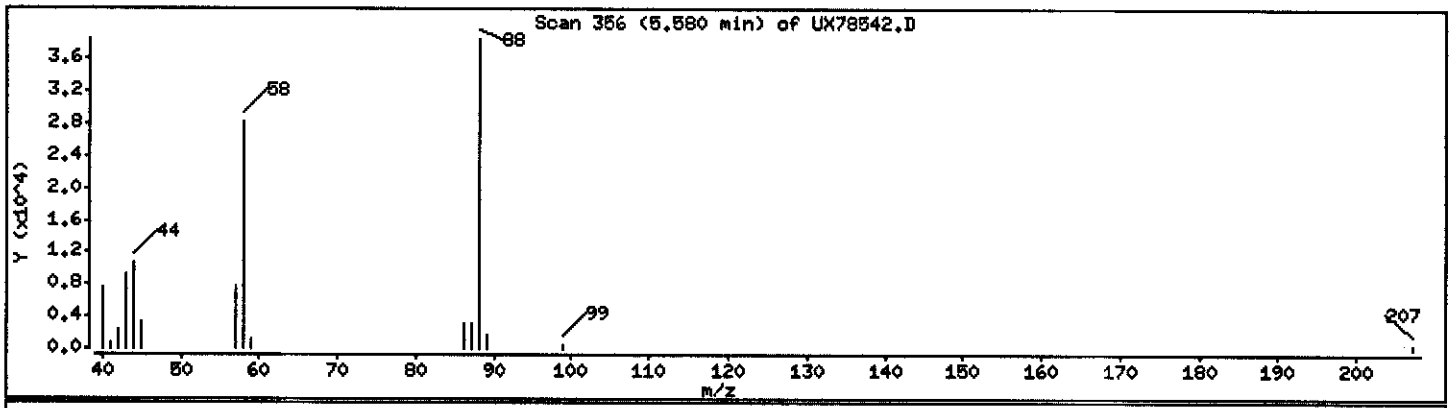
Client ID: MW-31D/122204 Instrument: a3ux7.i

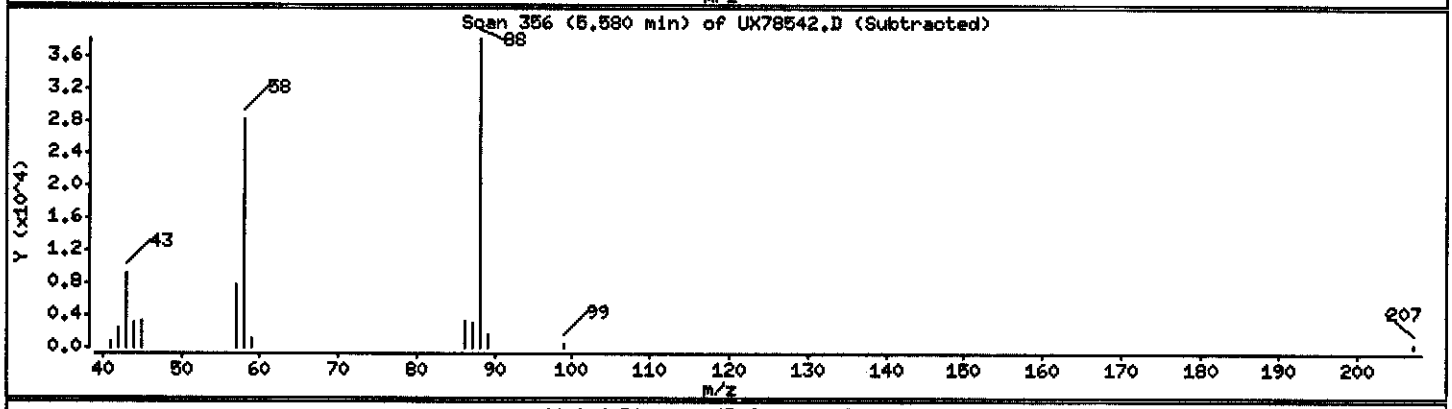
Sample Info: G1QMK1AA,0.75ML/5ML

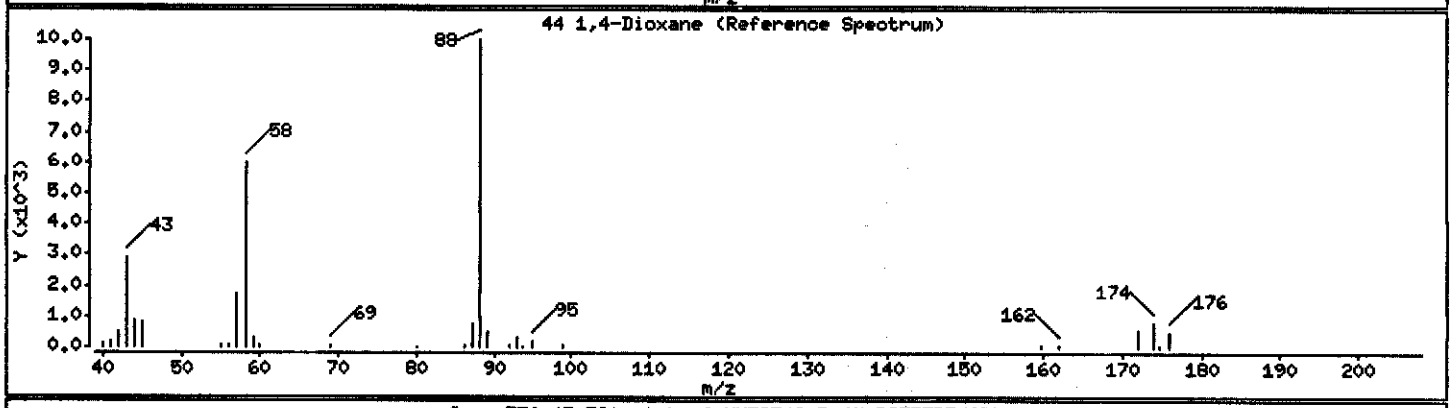
Purge Volume: 0.8 Operator: 1904

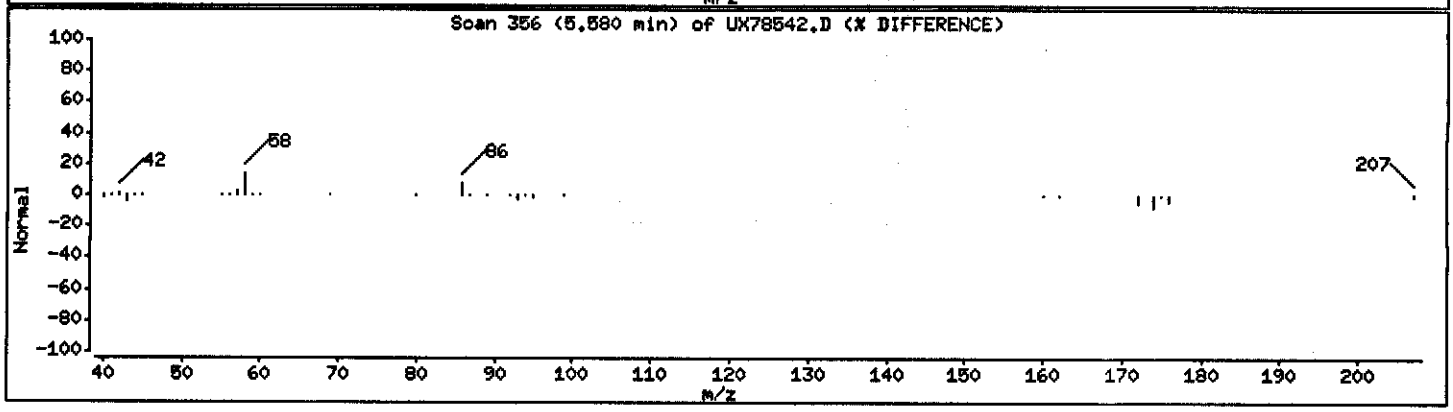
Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 4314.6 ug/L









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Date : 03-JAN-2005 11:20

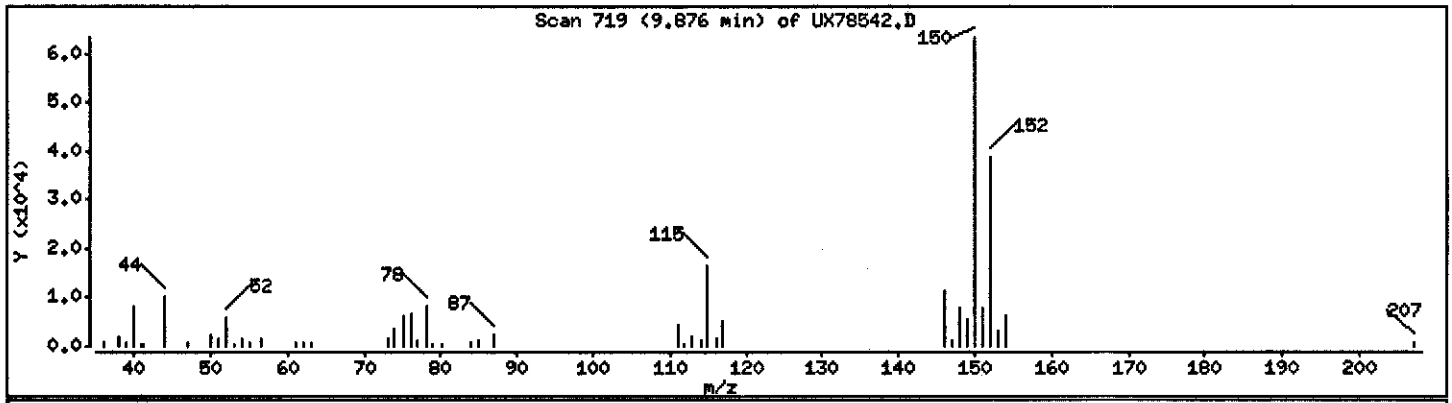
Client ID: MW-31D/122204 Instrument: a3ux7.i

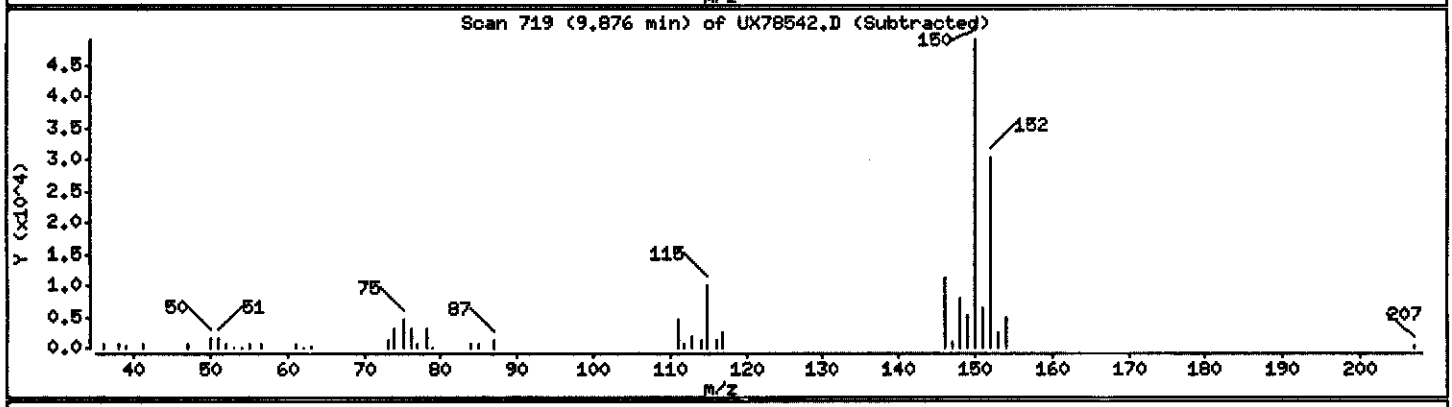
Sample Info: C1QMK1AA,0.75ML/5ML

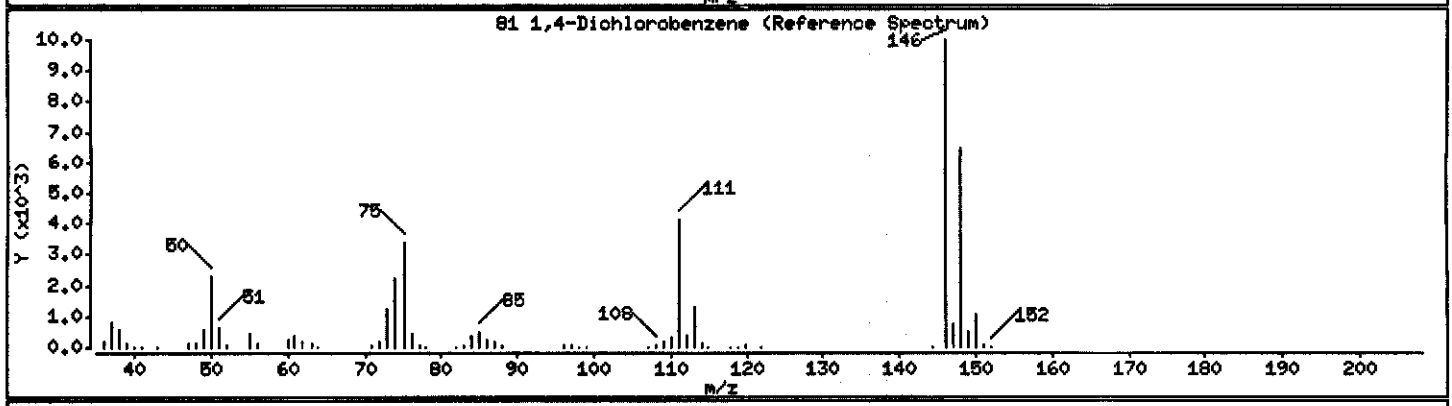
Purge Volume: 0.8 Operator: 1904

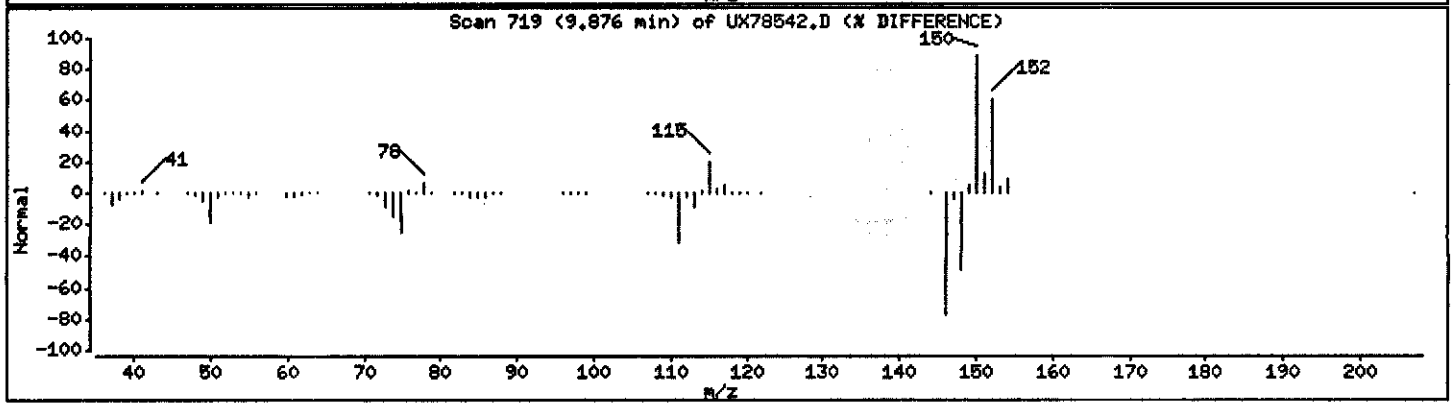
Column phase: DB624 20m Column diameter: 0.18

81 1,4-Dichlorobenzene Concentration: 2.112 ug/L









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Date : 03-JAN-2005 11:20

Client ID: MW-31D/122204

Instrument: a3ux7.i

Sample Info: G1QMK1AA,0.75ML/5ML

Purge Volume: 0.8

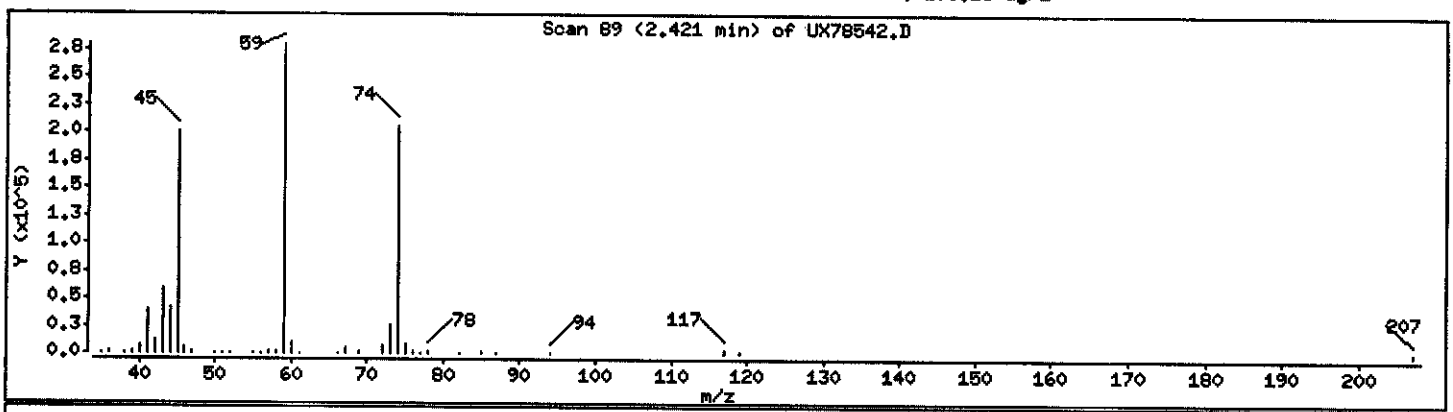
Operator: 1904

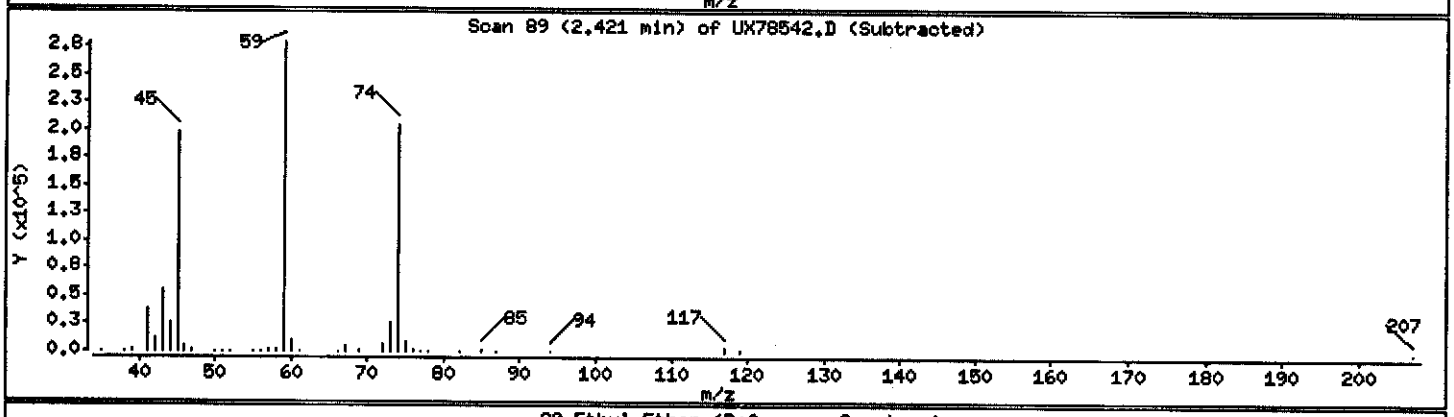
Column phase: DB624 20m

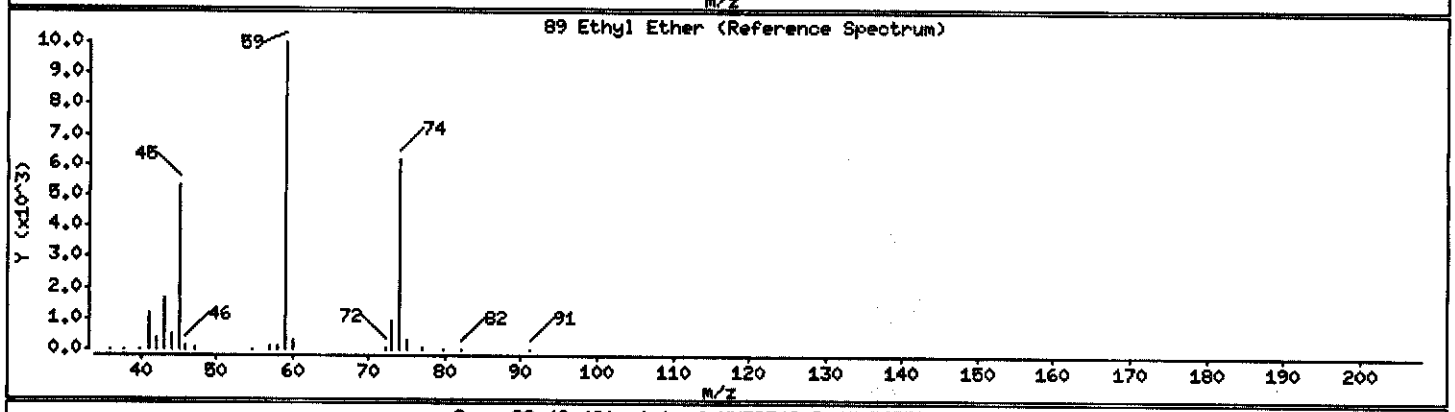
Column diameter: 0.18

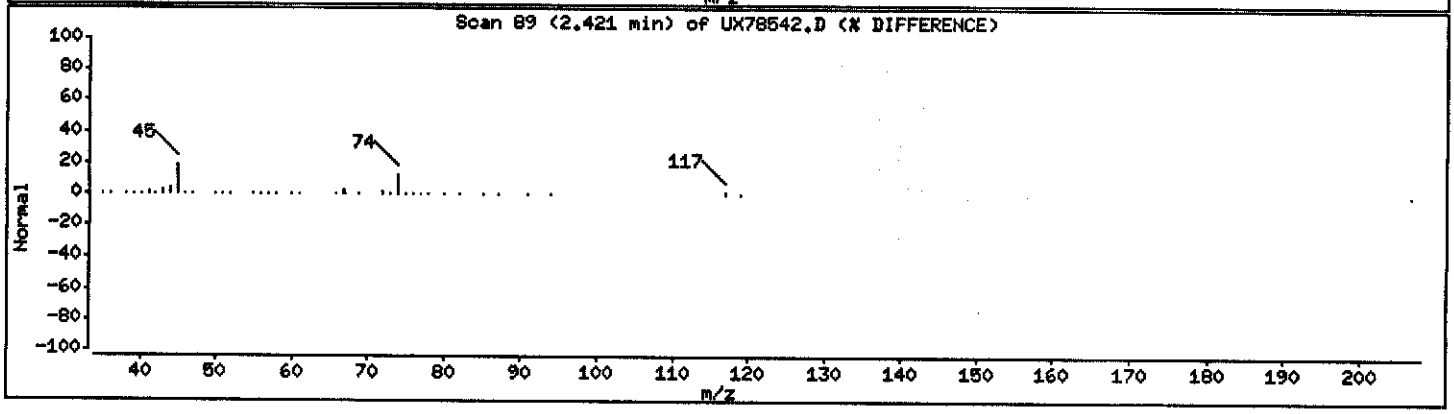
89 Ethyl Ether

Concentration: 193.13 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78542.D

Date : 03-JAN-2005 11:20

Client ID: MW-31D/122204

Instrument: a3ux7.i

Sample Info: G1QMK1AA,0.75ML/5ML

Purge Volume: 0.8

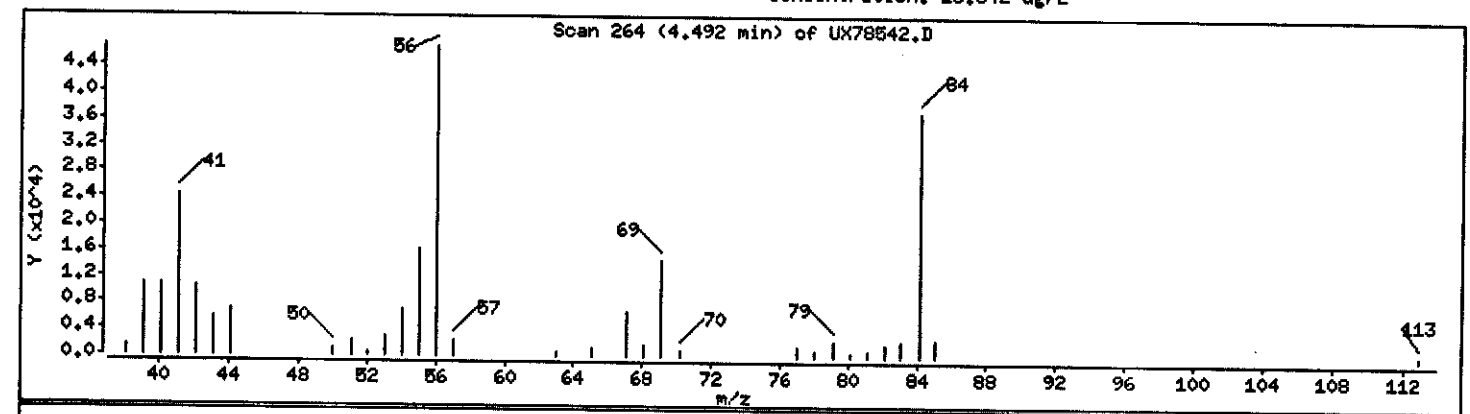
Operator: 1904

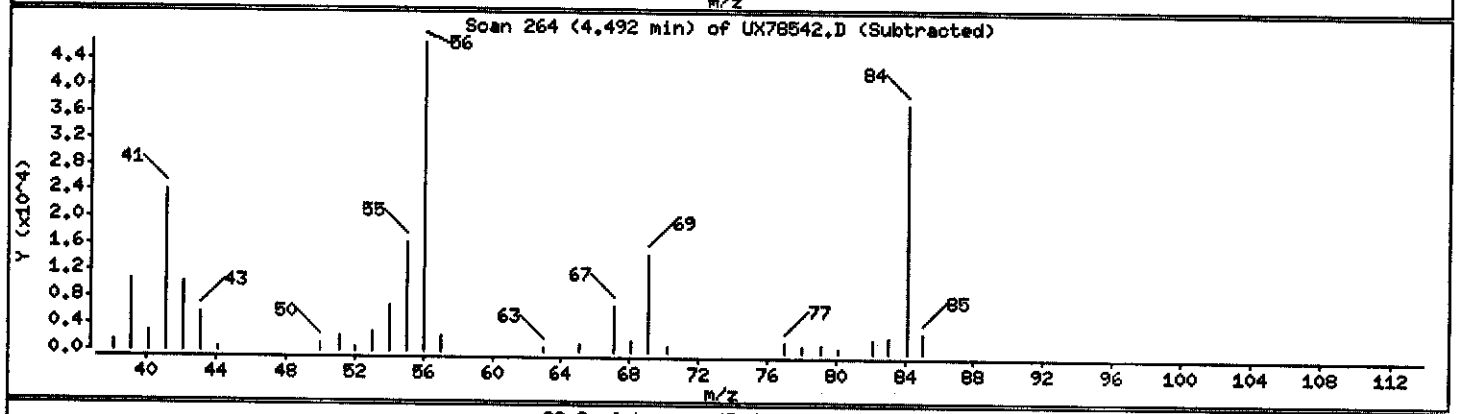
Column phase: DB624 20m

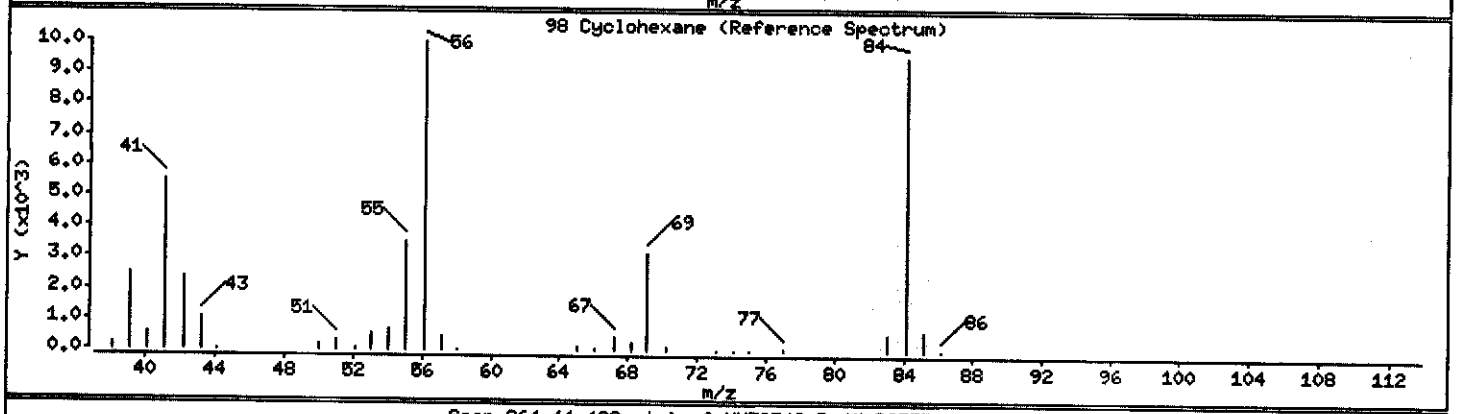
Column diameter: 0.18

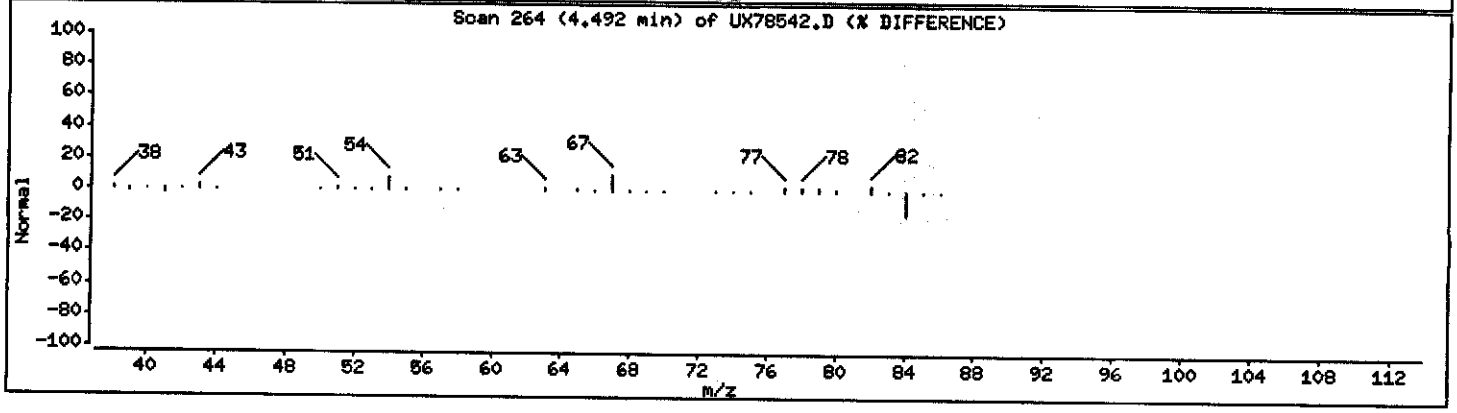
98 Cyclohexane

Concentration: 13.842 ug/L









PAYNE FIRM INC.

Client Sample ID: WEST RAVINE OUTFALL/122204

GC/MS Volatiles

Lot-Sample #...: A4L230115-008 **Work Order #...:** G1QML1AA **Matrix.....:** WG
Date Sampled...: 12/22/04 10:00 **Date Received..:** 12/23/04
Prep Date.....: 01/03/05 **Analysis Date..:** 01/03/05
Prep Batch #...: 5005223
Dilution Factor: 16.67 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**170 B**	**170**	**ug/L**
Acetonitrile	ND	330	ug/L
Acrolein	ND	330	ug/L
Acrylonitrile	ND	330	ug/L
Benzene	**76**	**17**	**ug/L**
Bromodichloromethane	ND	17	ug/L
Bromoform	ND	17	ug/L
Bromomethane	ND	17	ug/L
2-Butanone	ND	170	ug/L
Carbon disulfide	ND	17	ug/L
Carbon tetrachloride	ND	17	ug/L
Chlorobenzene	**19**	**17**	**ug/L**
Chloroprene	ND	33	ug/L
Dibromochloromethane	ND	17	ug/L
Chloroethane	ND	17	ug/L
Chloroform	**9.6 J**	**17**	**ug/L**
Chloromethane	ND	17	ug/L
3-Chloropropene	ND	33	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	33	ug/L
1,2-Dibromoethane	ND	17	ug/L
Dibromomethane	ND	17	ug/L
trans-1,4-Dichloro-2-butene	ND	17	ug/L
1,1-Dichloroethane	**5.6 J**	**17**	**ug/L**
1,2-Dichloroethane	**21**	**17**	**ug/L**
cis-1,2-Dichloroethene	**390**	**17**	**ug/L**
trans-1,2-Dichloroethene	**3.1 J**	**17**	**ug/L**
1,1-Dichloroethene	ND	17	ug/L
1,2-Dichloroethene (total)	**390**	**33**	**ug/L**
Dichlorofluoromethane	ND	33	ug/L
1,2-Dichloropropane	ND	17	ug/L
cis-1,3-Dichloropropene	ND	17	ug/L
trans-1,3-Dichloropropene	ND	17	ug/L
1,4-Dioxane	**1200**	**830**	**ug/L**
Ethylbenzene	**38**	**17**	**ug/L**
Ethyl methacrylate	ND	17	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: WEST RAVINE OUTFALL/122204

GC/MS Volatiles

Lot-Sample #...: A4L230115-008 **Work Order #...:** G1QML1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	170	ug/L
Iodomethane	ND	17	ug/L
Isobutanol	ND	830	ug/L
Methacrylonitrile	ND	33	ug/L
Methylene chloride	ND	17	ug/L
Methyl methacrylate	ND	33	ug/L
4-Methyl-2-pentanone	ND	170	ug/L
Propionitrile	ND	67	ug/L
Styrene	ND	17	ug/L
1,1,1,2-Tetrachloroethane	ND	17	ug/L
1,1,2,2-Tetrachloroethane	**13 J**	**17**	**ug/L**
Tetrachloroethene	**9.2 J**	**17**	**ug/L**
Toluene	**250**	**17**	**ug/L**
1,1,1-Trichloroethane	ND	17	ug/L
1,1,2-Trichloroethane	ND	17	ug/L
Trichloroethene	**14 J**	**17**	**ug/L**
Trichlorofluoromethane	ND	17	ug/L
1,2,3-Trichloropropane	ND	17	ug/L
Vinyl acetate	ND	33	ug/L
Vinyl chloride	**12 J**	**17**	**ug/L**
Xylenes (total)	**290**	**33**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78545.D
Report Date: 05-Jan-2005 12:47

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78545.D
Lab Smp Id: G1QML1AA Client Smp ID: WEST RAVINE OUTFALL
Inj Date : 03-JAN-2005 12:28
Operator : 1904 Inst ID: a3ux7.i
Smp Info : G1QML1AA,0.3ML/5ML
Misc Info : U50103A,N8260UX7-3,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m
Meth Date : 05-Jan-2005 12:43 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.300	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.962	4.961	(1.000)	1056846	50.0000	
* 2 Chlorobenzene-d5	117	7.625	7.624	(1.000)	723707	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.849	9.848	(1.000)	328751	50.0000	
$ 4 Dibromofluoromethane	113	4.394	4.393	(0.886)	334179	55.0365	183.45
$ 5 1,2-Dichloroethane-d4	65	4.678	4.677	(0.943)	372182	51.9300	173.10
$ 6 Toluene-d8	98	6.311	6.310	(0.828)	1199038	51.2457	170.82
$ 7 Bromofluorobenzene	95	8.725	8.724	(1.144)	379361	47.2609	157.54
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.673	1.684	(0.337)	23553	3.65311	12.177
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.643	2.642	(0.533)	167259	52.1407	173.80
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78545.D
Report Date: 05-Jan-2005 12:47

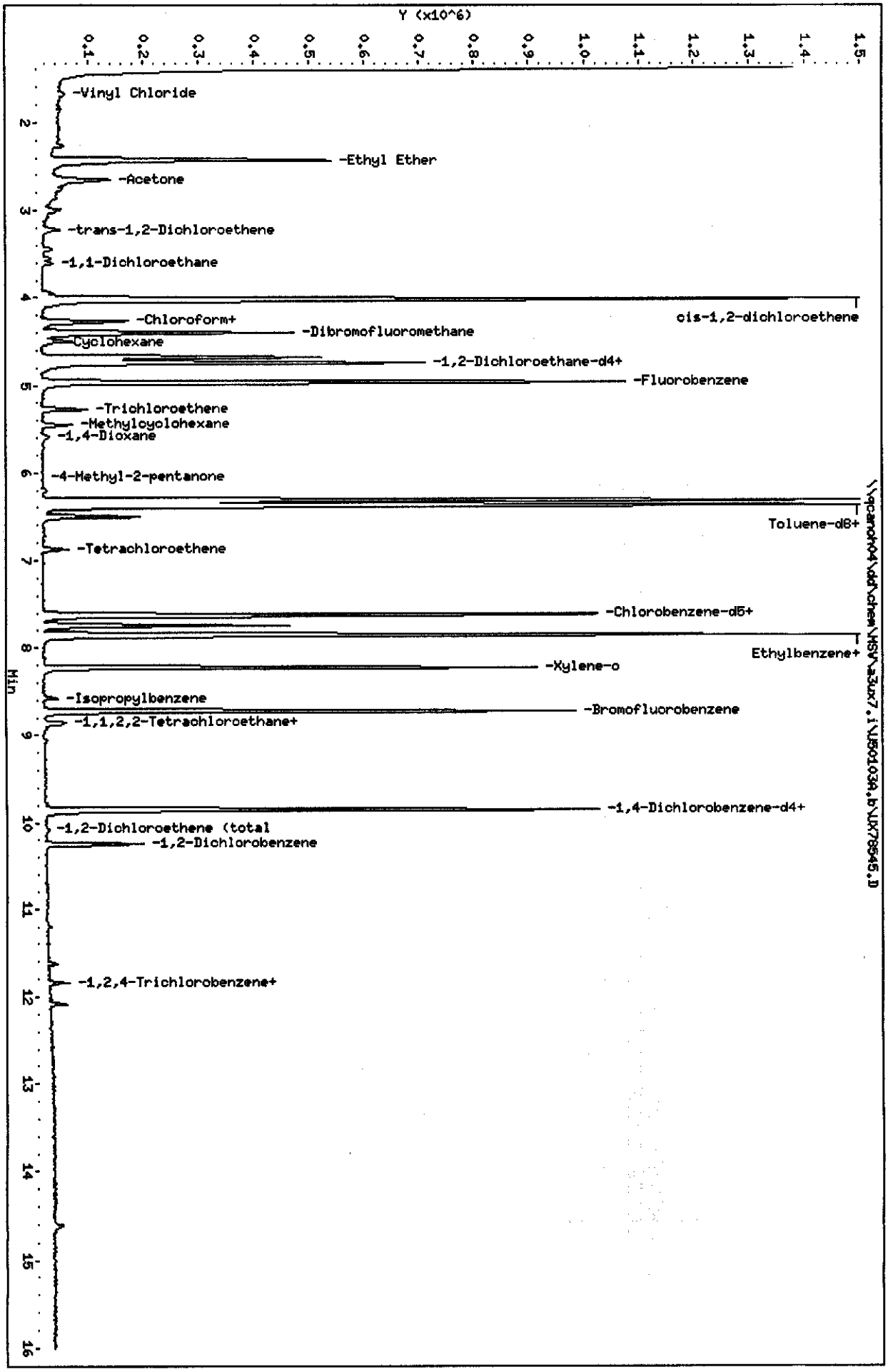
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	3.223	3.222	(0.650)	6637	0.93148	3.105
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.554	3.553	(0.716)	19821	1.68825	5.627
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				862905	116.903	389.68
	32 cis-1,2-dichloroethene	96	4.016	4.015	(0.809)	856268	115.972	386.57
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.264	4.263	(0.859)	32180	2.87930	9.598
	36 Tetrahydrofuran	42	4.264	4.263	(0.859)	104161	56.9141	189.71
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	4.737	4.737	(0.955)	52356	6.18086	20.603
	41 Benzene	78	4.737	4.737	(0.955)	650008	22.9053	76.351
	42 Trichloroethene	130	5.270	5.269	(1.062)	32916	4.23173	14.106
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.589	5.577	(1.126)	18257	353.629	1178.8(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	6.205	6.192	(1.250)	7764	1.43244	4.775
	50 Toluene	91	6.370	6.370	(0.836)	2121435	74.8518	249.50
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.879	6.878	(0.902)	16312	2.76299	9.210
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	7.648	7.647	(1.003)	103518	5.82251	19.408
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.743	7.742	(1.016)	106716	11.5393	38.464
	62 m + p-Xylene	106	7.849	7.860	(1.029)	718613	62.3602	207.87
M	63 Xylenes (total)	106				995560	87.8205	292.74
	64 Xylene-o	106	8.228	8.227	(1.079)	276947	25.4603	84.868
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78545.D
Report Date: 05-Jan-2005 12:47

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	8.583	8.582	(1.126)	22714	0.90017	3.000
68 1,1,2,2-Tetrachloroethane	83	8.855	8.854	(0.899)	22166	3.83118	12.770
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	8.879	8.878	(0.901)	11046	1.64858	5.495
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	9.873	9.872	(1.002)	43571	3.41626	11.388
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.240	10.239	(1.040)	90977	7.65612	25.520
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.837	11.848	(1.202)	16032	1.85042	6.168
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.086	12.085	(1.227)	31860	1.42745	4.758
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.430	2.420	(0.490)	414906	88.3902	294.63
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.501	4.500	(0.907)	31222	2.79924	9.331(a)
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.447	5.447	(1.098)	18911	1.76657	5.888
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	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.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Date : 03-JAN-2005 12:28
Client ID: WEST RAVINE OUTFALL
Sample Info: C10HL1AA,0.3ML/5ML
Purge Volume: 0.3
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Vinyl Chloride
-Ethyl Ether
-Acetone
-trans-1,2-Dichloroethene
-1,1-Dichloroethane
cis-1,2-dichloroethene
-Chloroform+
-Dibromofluoromethane
-Cyclohexane
-1,2-Dichloroethane-d4+
-Fluorobenzene
-Trichloroethene
-Methylcyclohexane
-1,4-Dioxane
-4-Methyl-2-pentanone
Toluene-d8+
-Tetrachloroethene
-Chlorobenzene-d5+
Ethylbenzene+
-Xylene-o
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-1,4-Dichlorobenzene-d4+
-1,2-Dichloroethene (total
-1,2-Dichlorobenzene
-1,2,4-Trichlorobenzene+

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U50103A.b\UX78545.D

Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

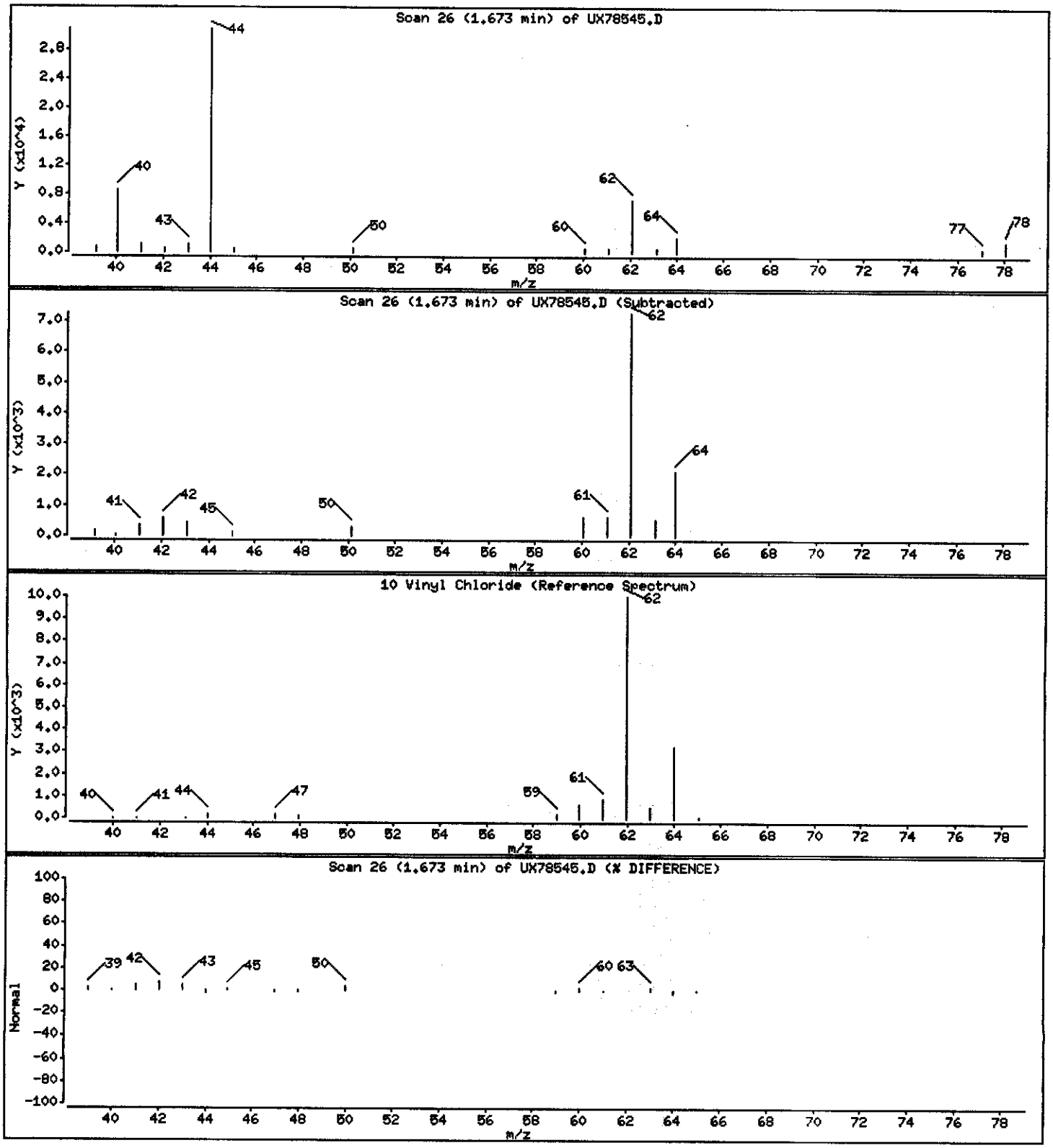
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

10 Vinyl Chloride

Concentration: 12.177 ug/L



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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

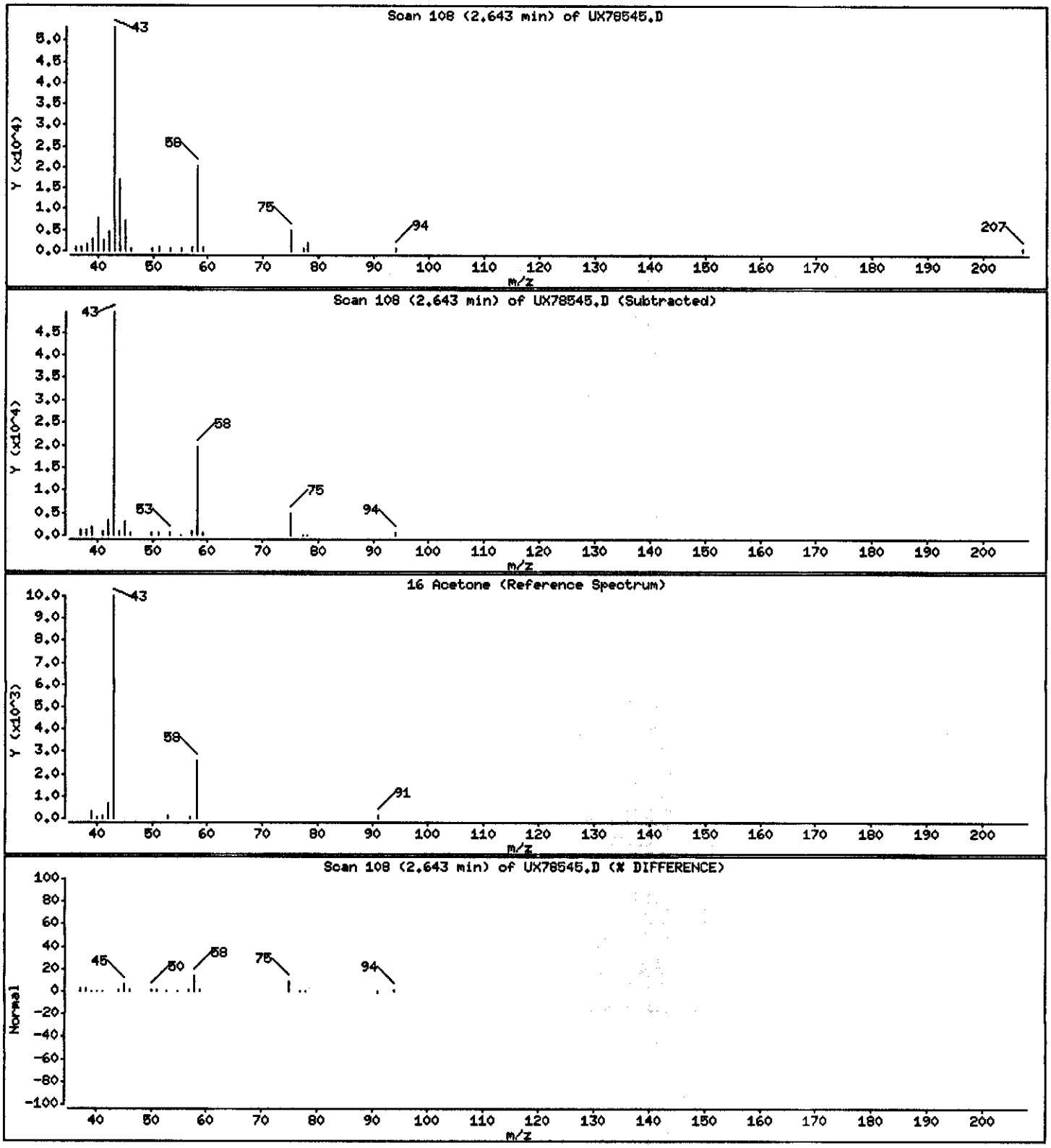
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

16 Acetone

Concentration: 173.80 ug/L



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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

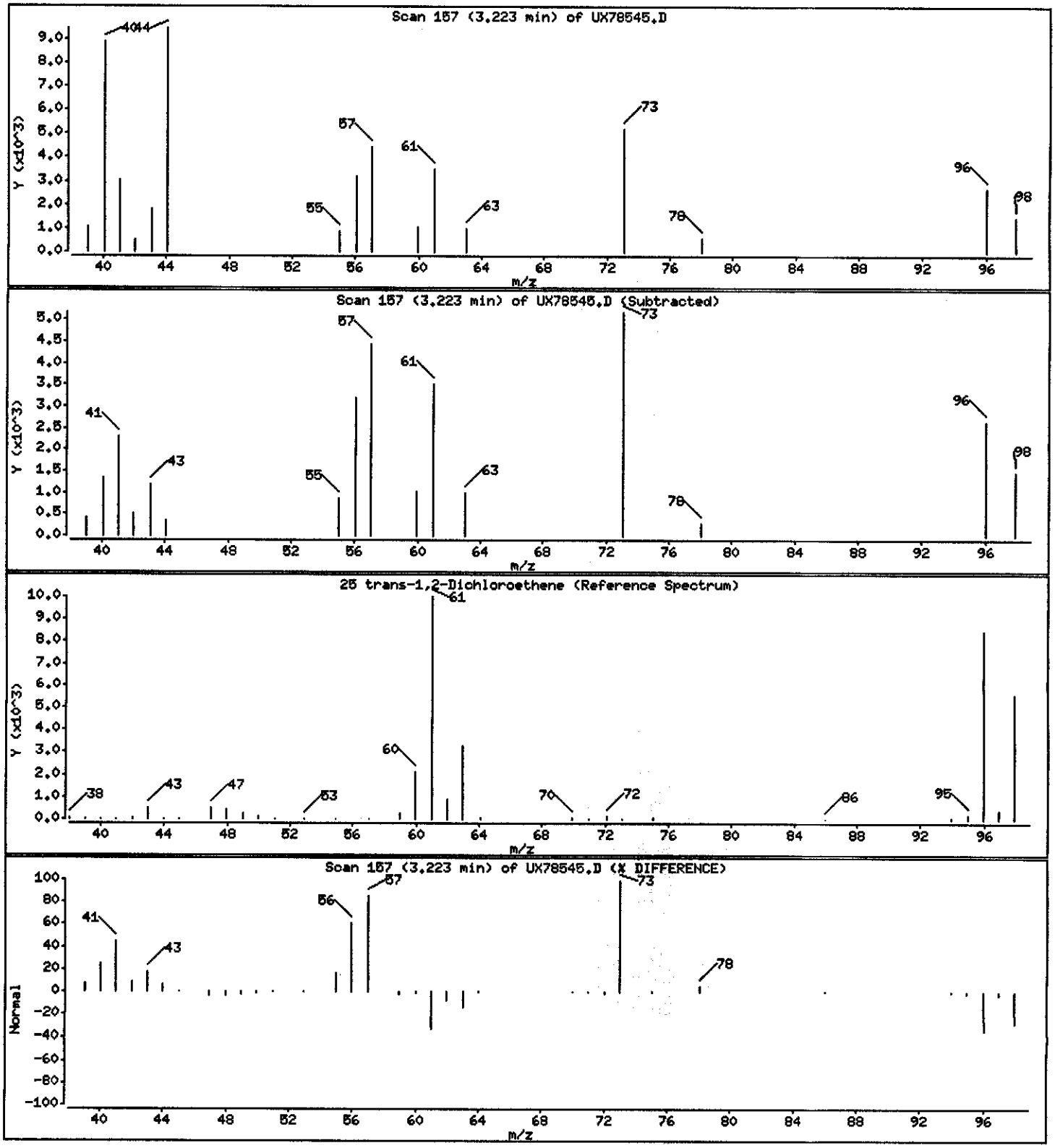
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

25 trans-1,2-Dichloroethene

Concentration: 3.105 ug/L



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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QHL1AA,0.3ML/5ML

Purge Volume: 0.3

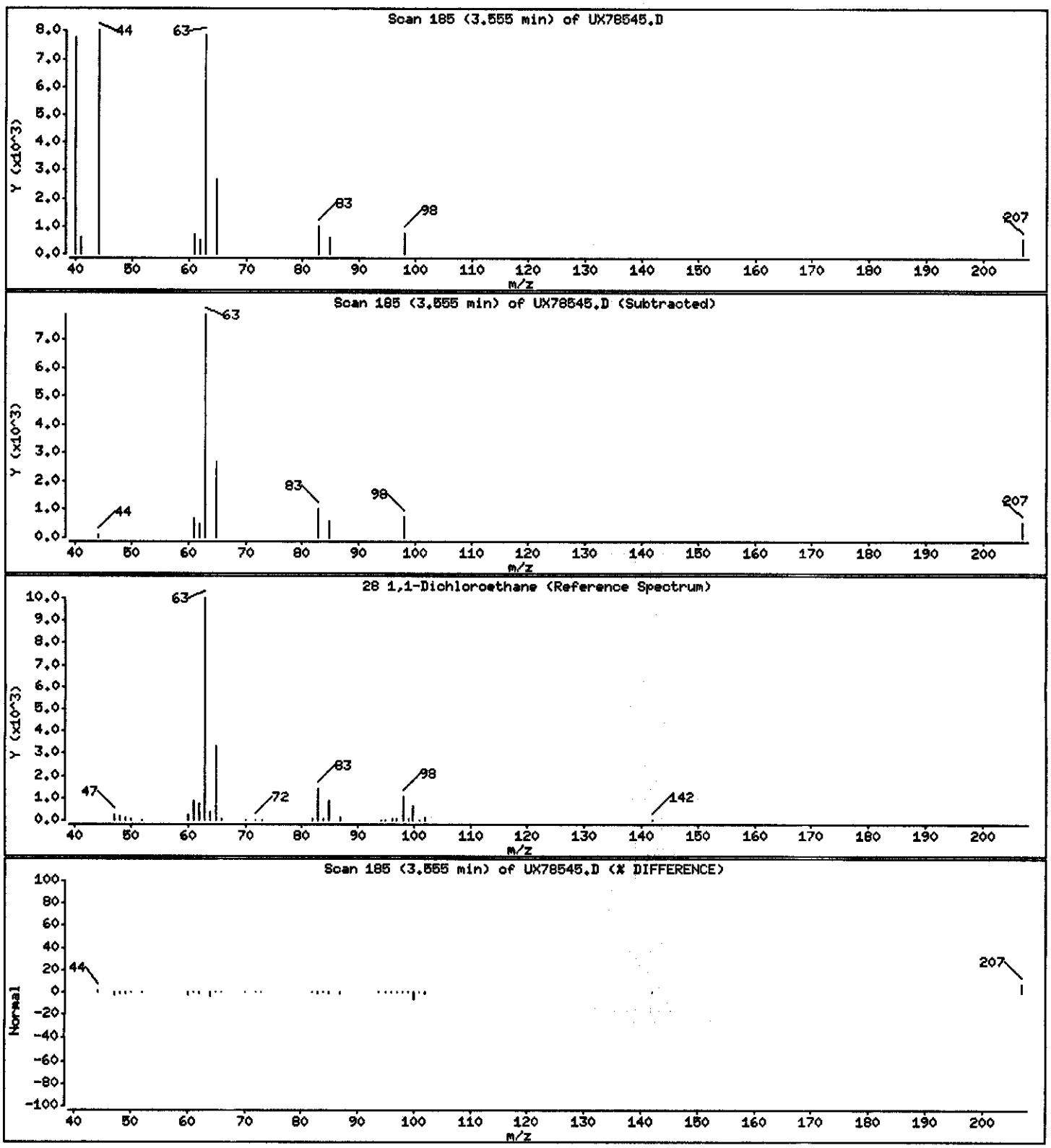
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

28 1,1-Dichloroethane

Concentration: 5.627 ug/L



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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

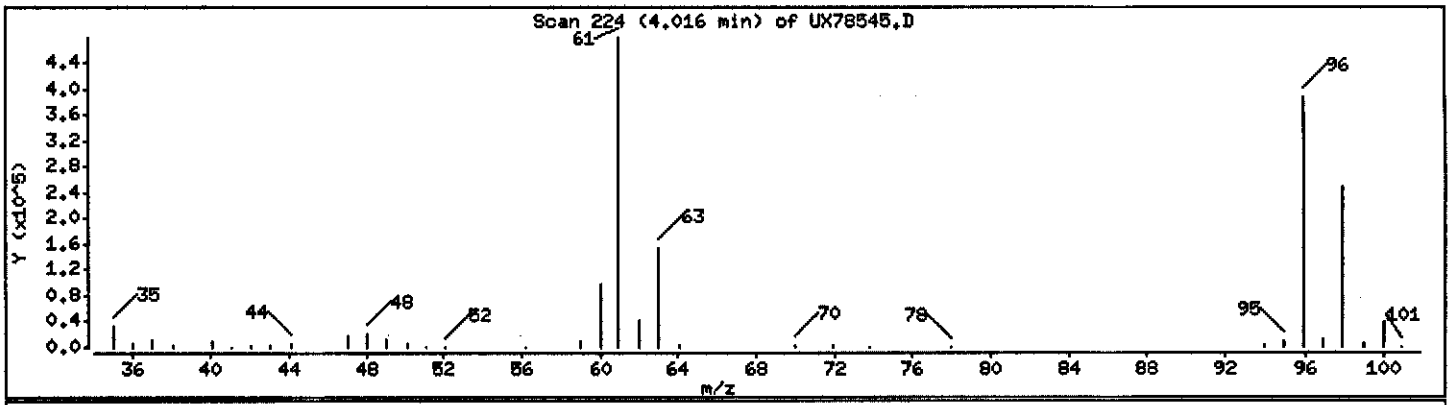
Operator: 1904

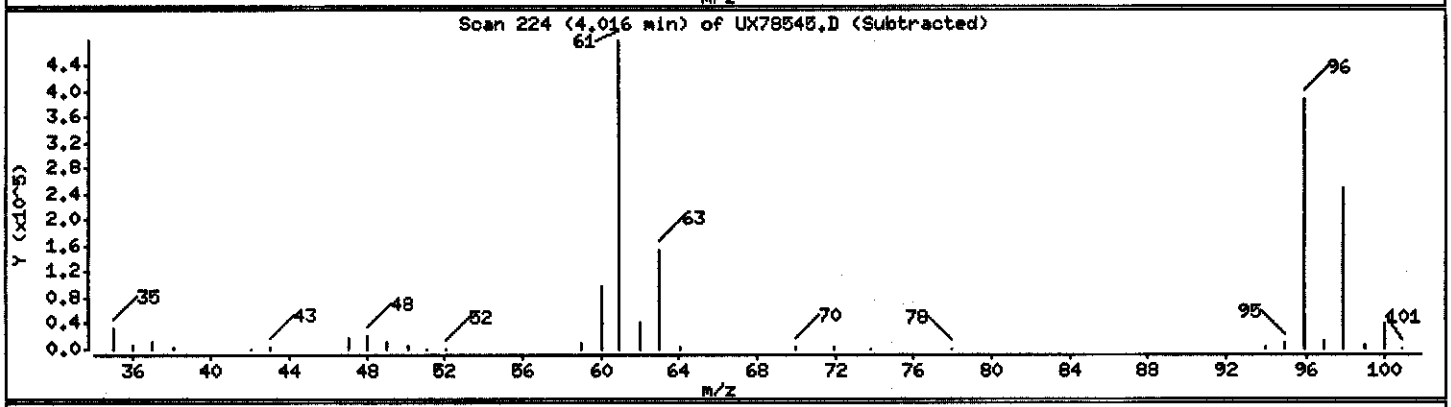
Column phase: DB624 20m

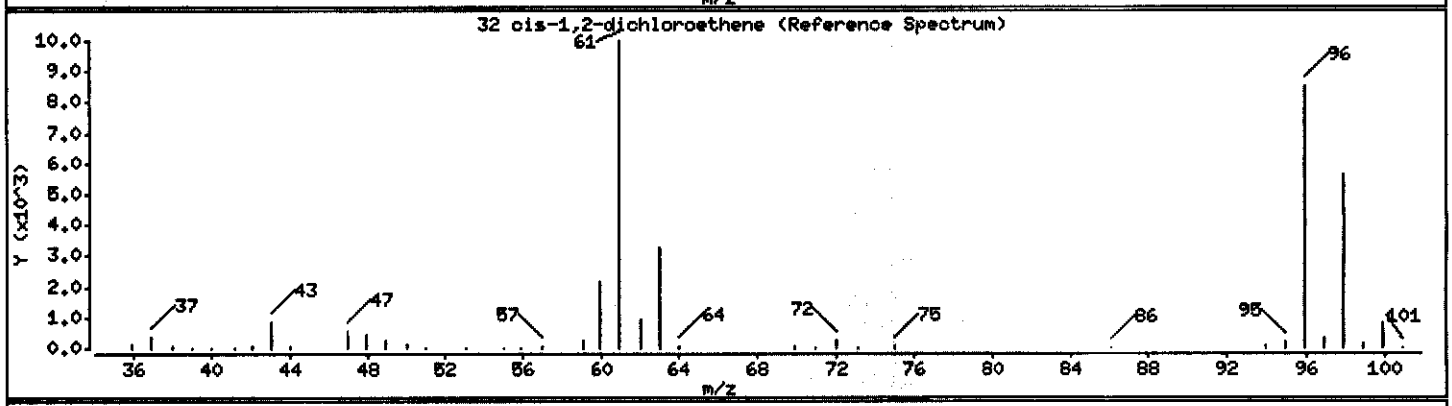
Column diameter: 0.18

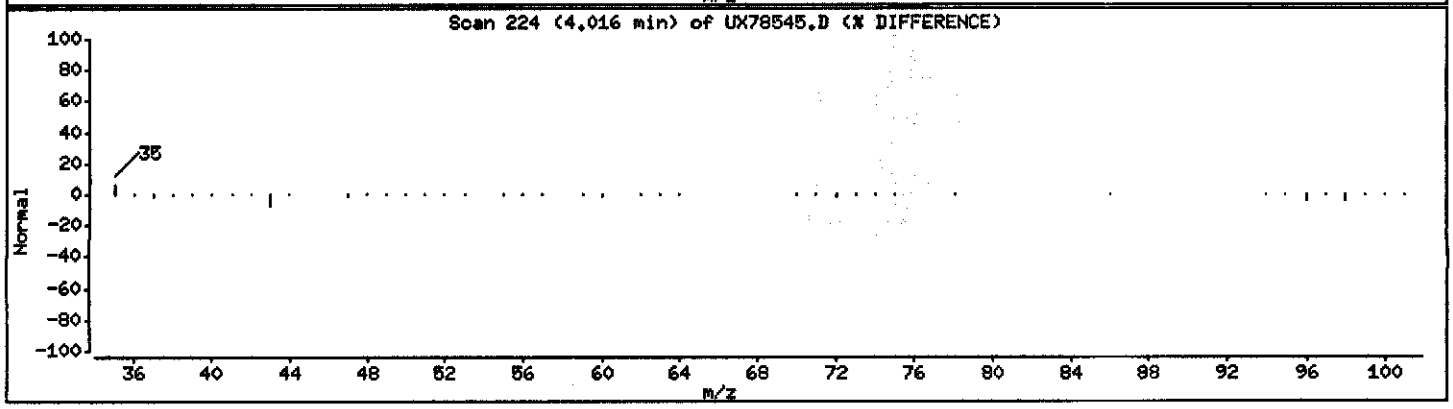
32 cis-1,2-dichloroethene

Concentration: 386.57 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78545.D

Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

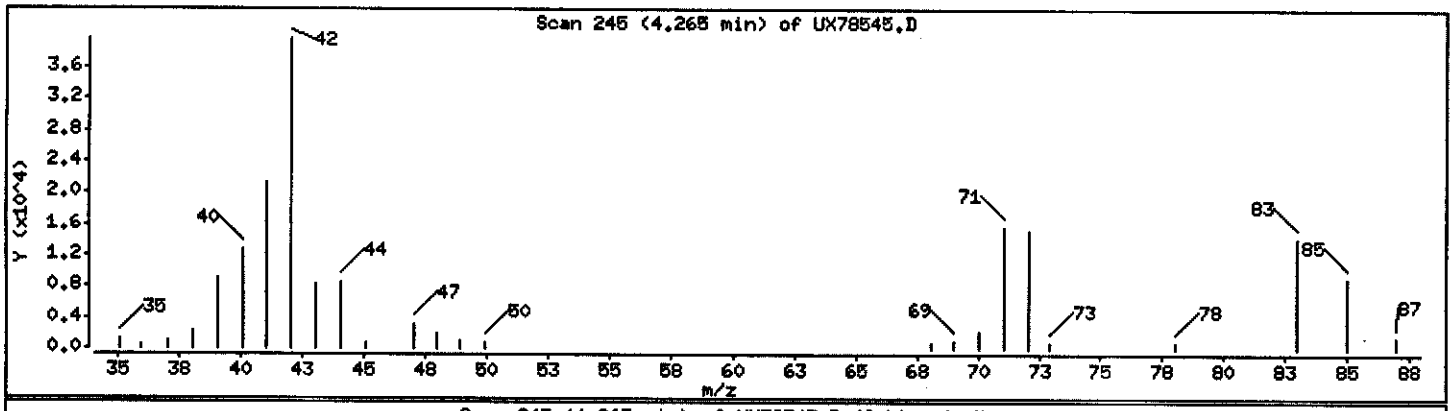
Operator: 1904

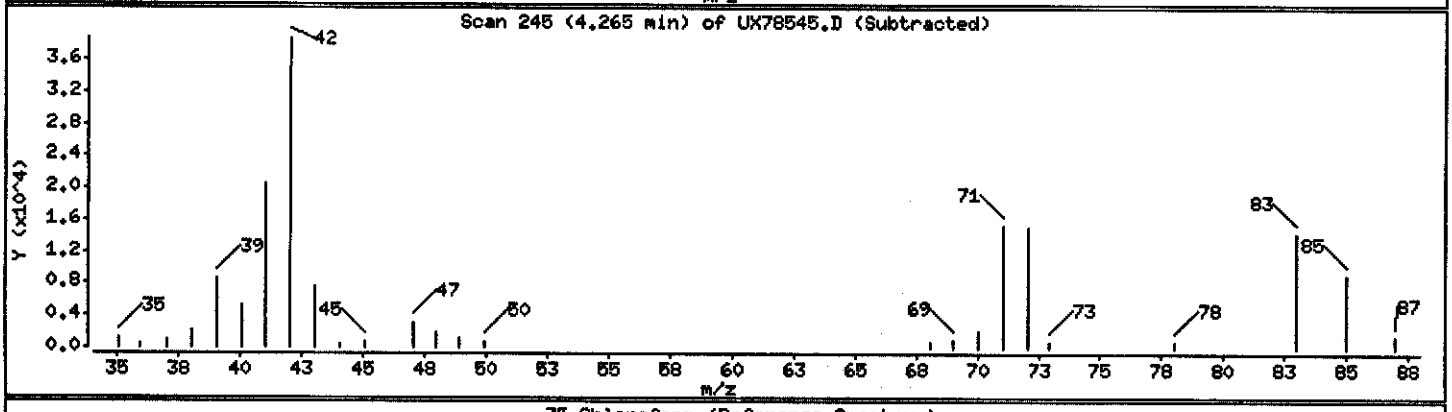
Column phase: DB624 20m

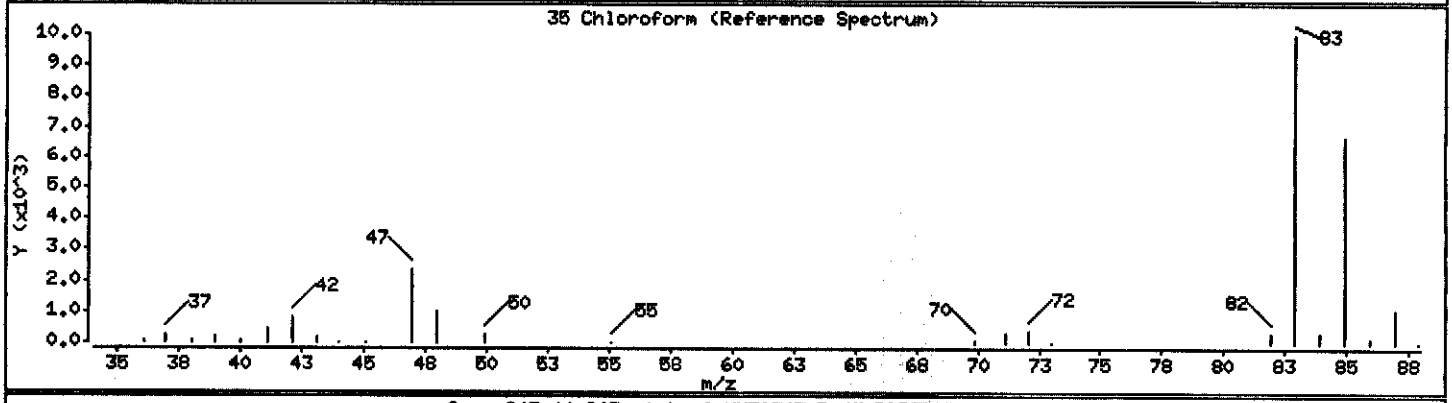
Column diameter: 0.18

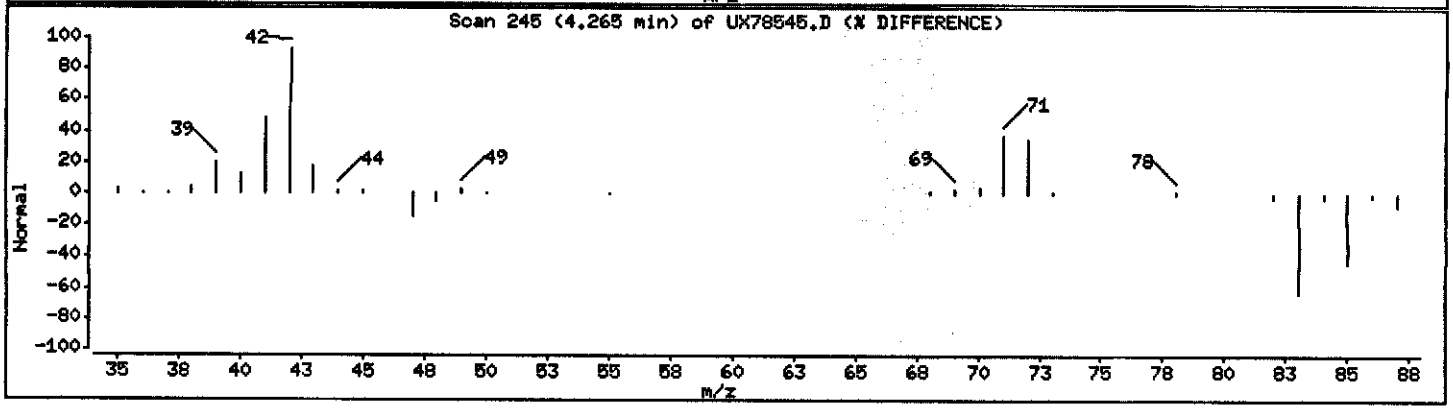
35 Chloroform

Concentration: 9.598 ug/L









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Date : 03-JAN-2005 12:28

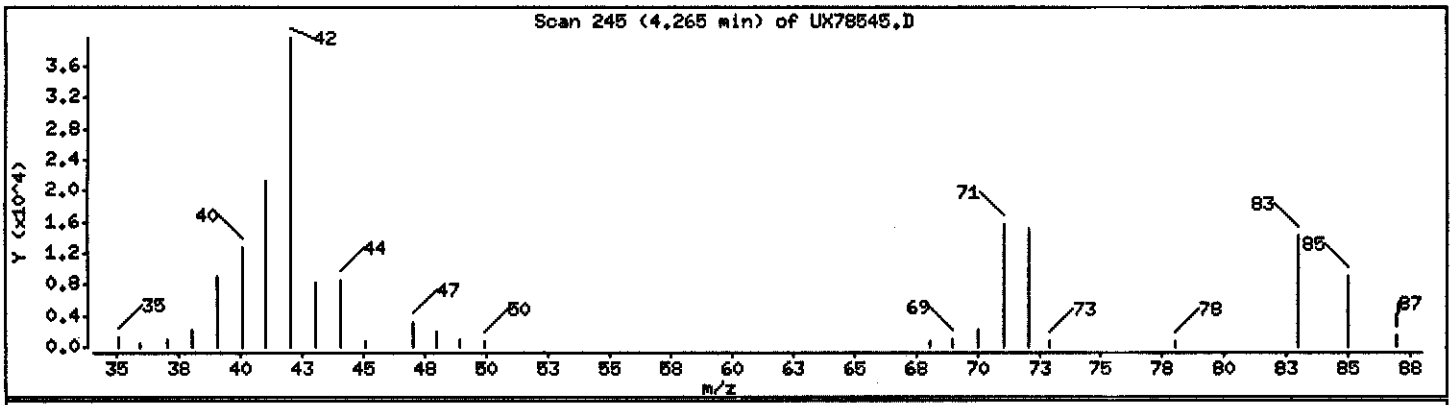
Client ID: WEST RAVINE OUTFALL | Instrument: a3ux7.i

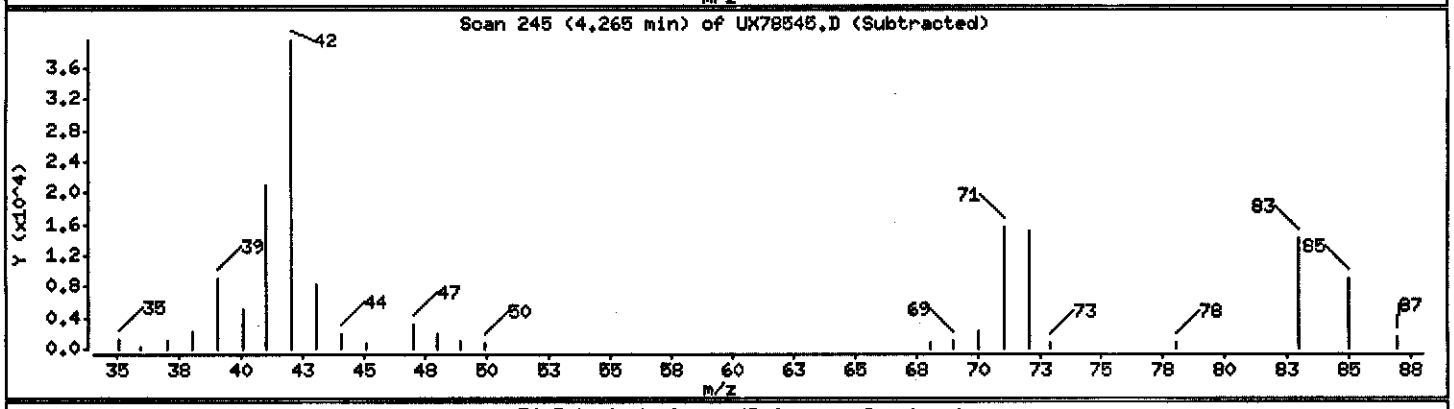
Sample Info: G1QML1AA,0.3ML/5ML

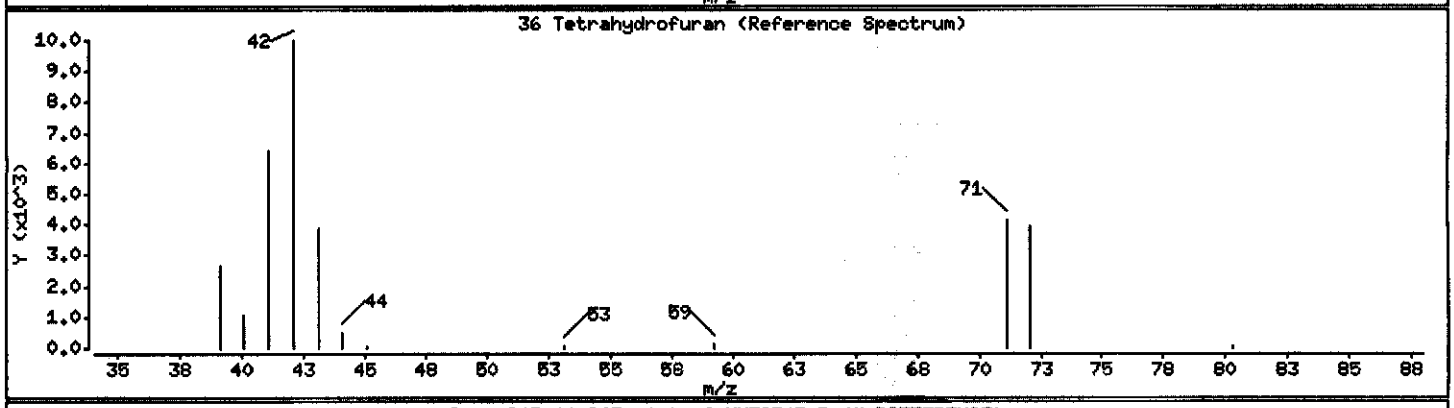
Purge Volume: 0.3 | Operator: 1904

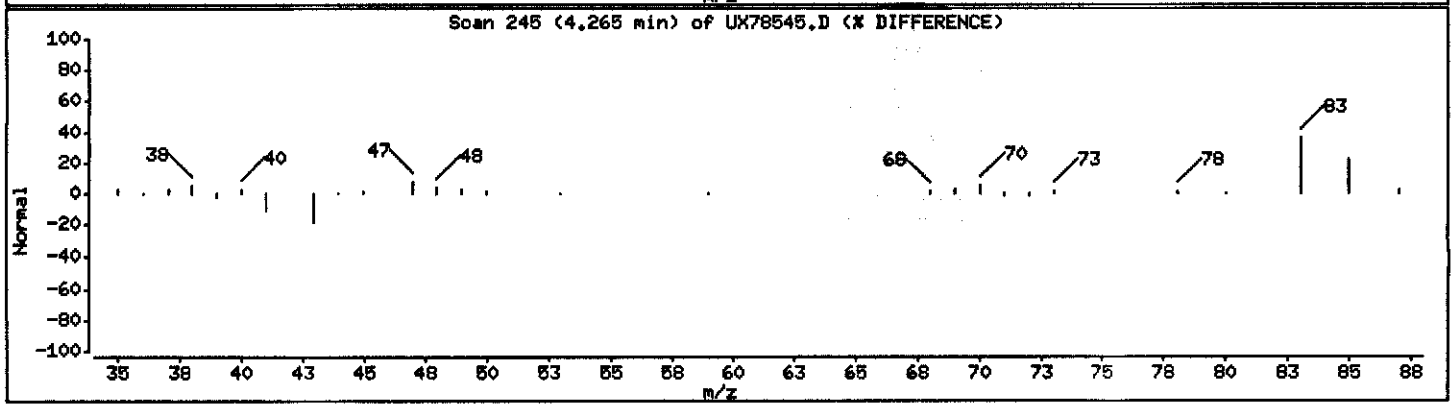
Column phase: DB624 20m | Column diameter: 0.18

36 Tetrahydrofuran | Concentration: 189.71 ug/L









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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

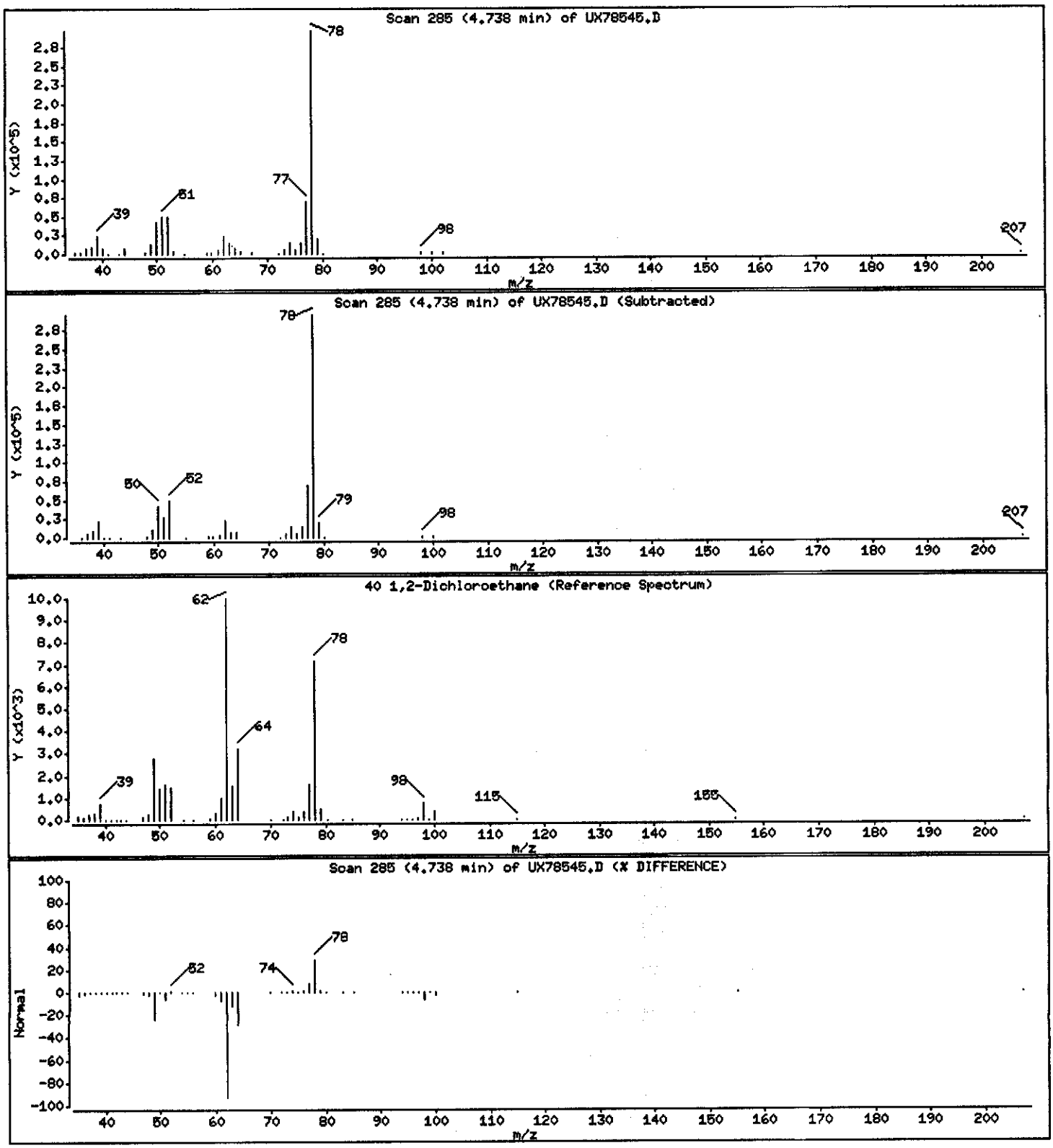
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

40 1,2-Dichloroethane

Concentration: 20.603 ug/L



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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

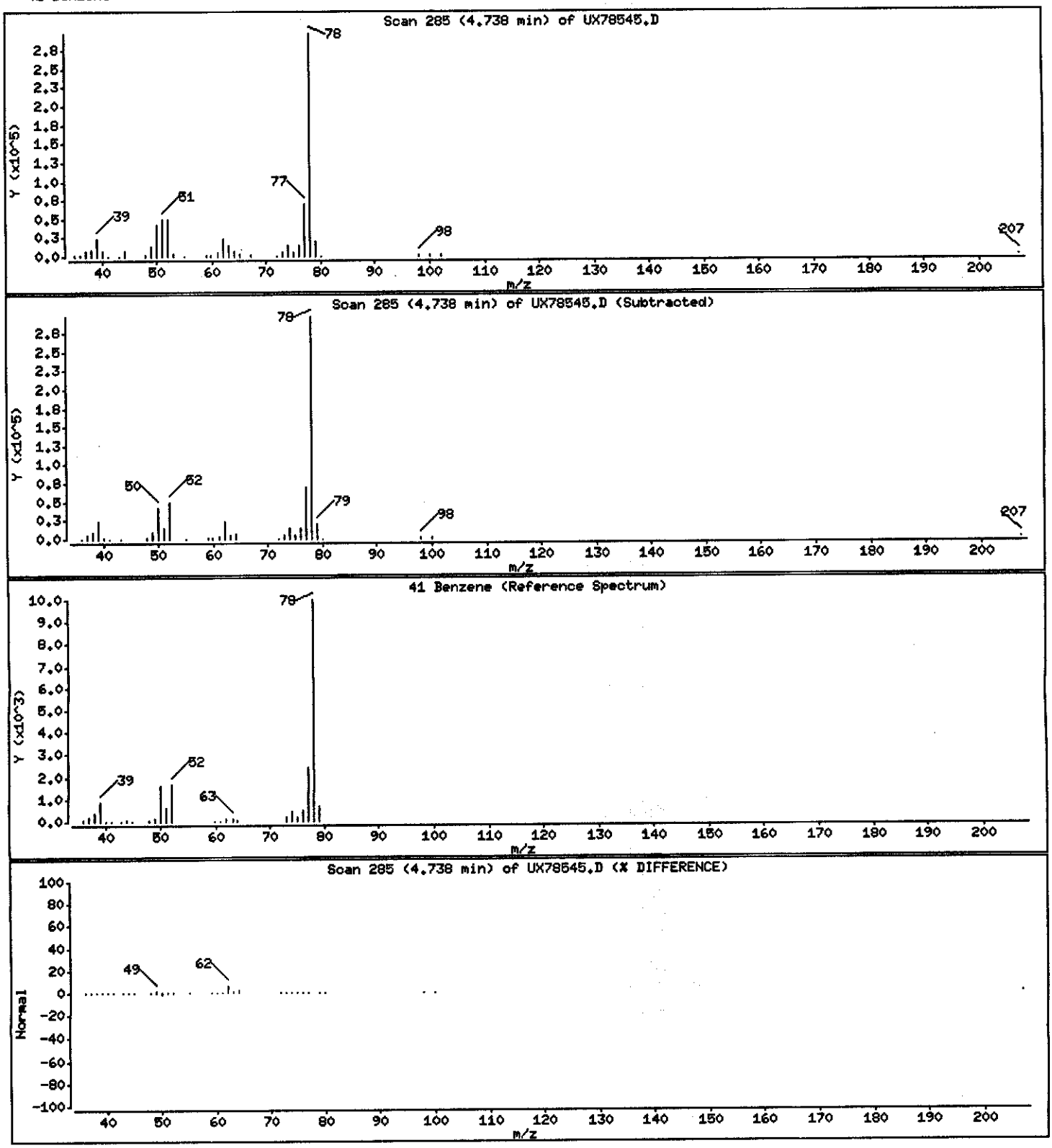
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

41 Benzene

Concentration: 76.351 ug/L



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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

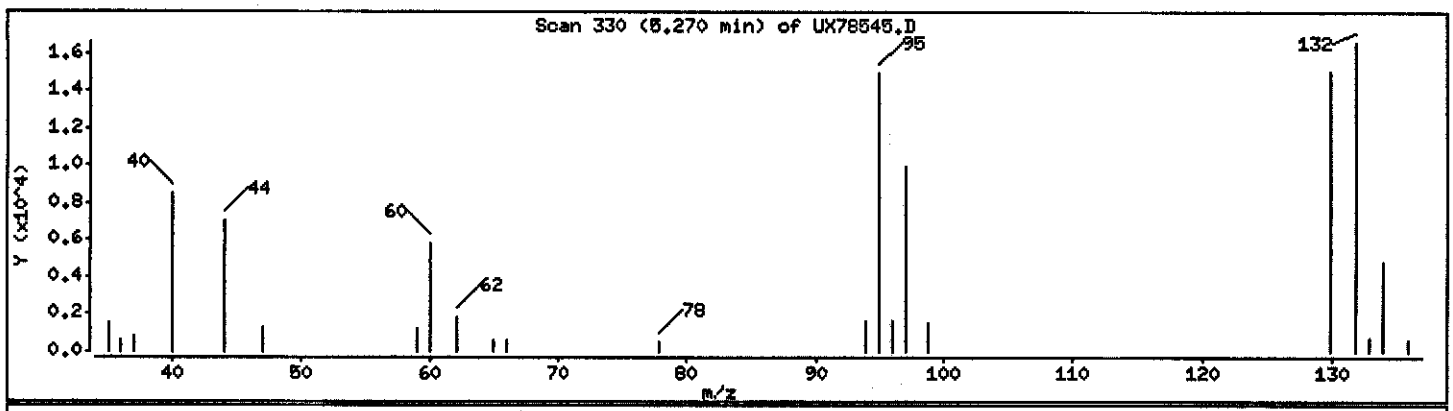
Operator: 1904

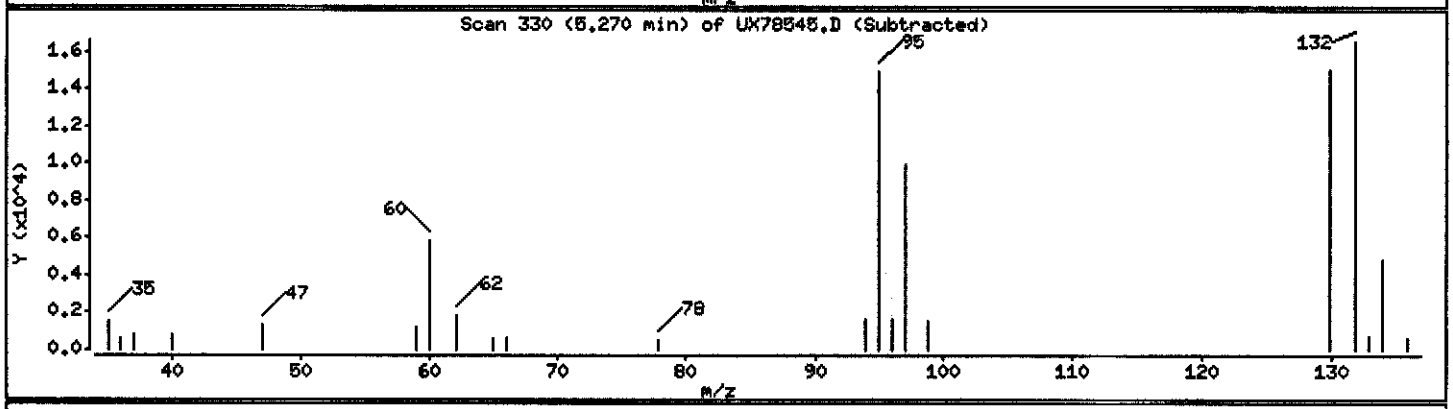
Column phase: DB624 20m

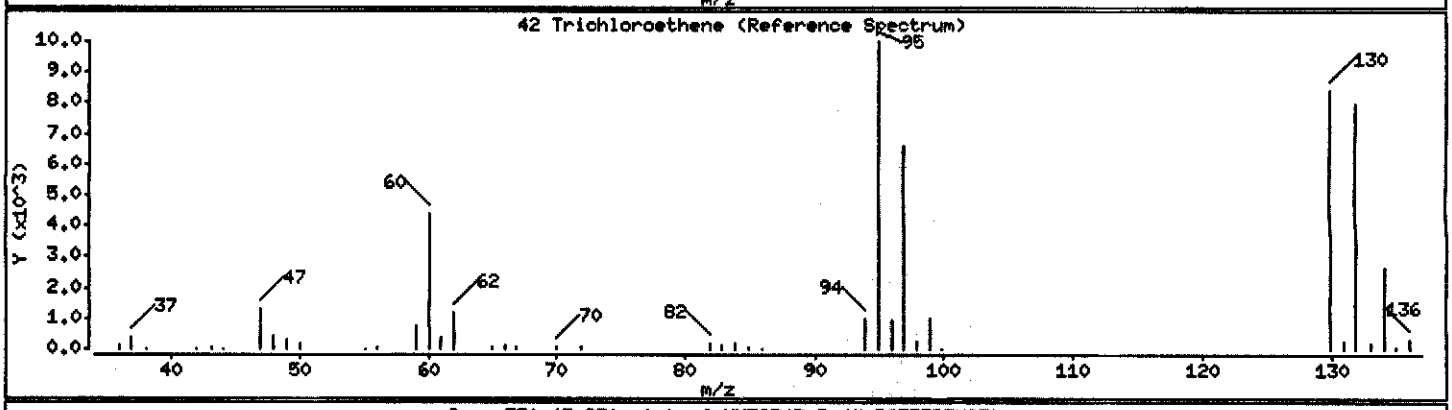
Column diameter: 0.18

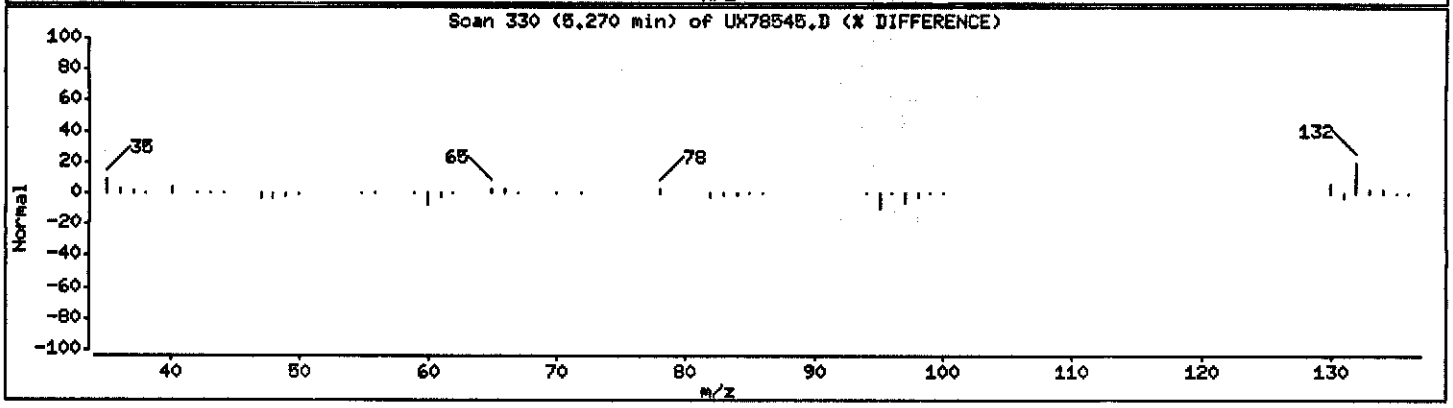
42 Trichloroethene

Concentration: 14.106 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78545.D

Date : 03-JAN-2005 12:28

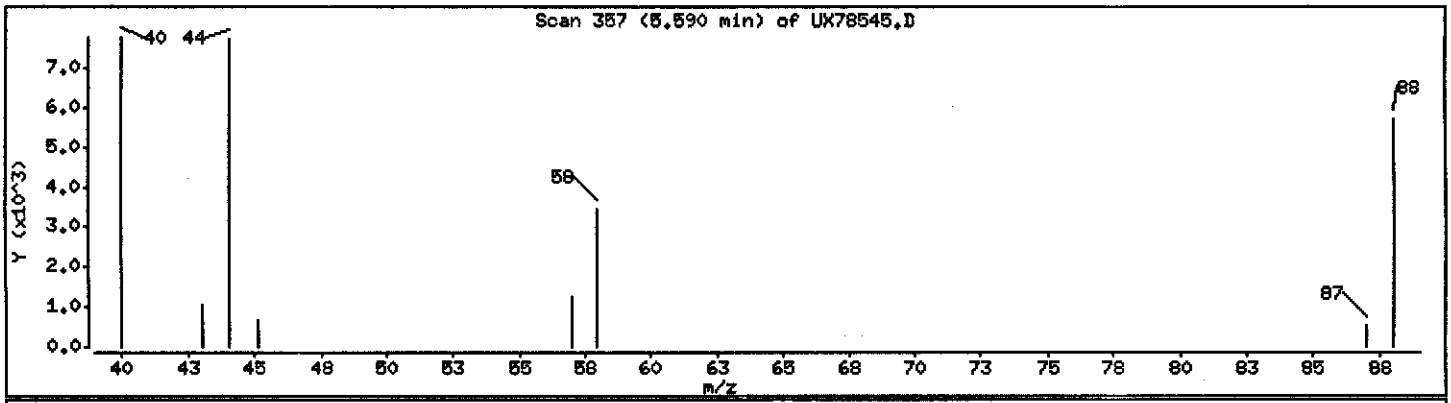
Client ID: WEST RAVINE OUTFALL | Instrument: a3ux7.i

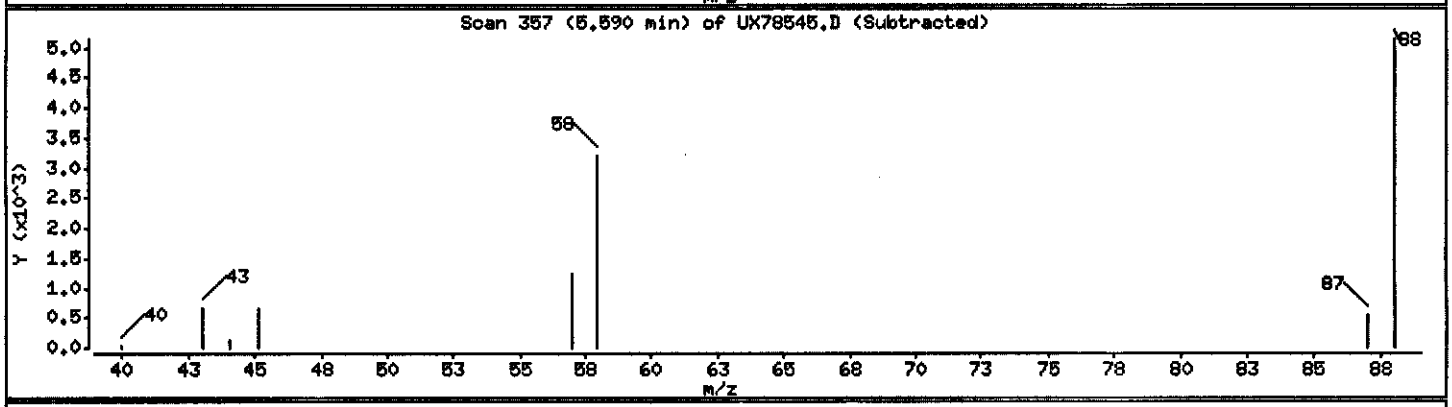
Sample Info: G1QML1AA,0.3ML/5ML

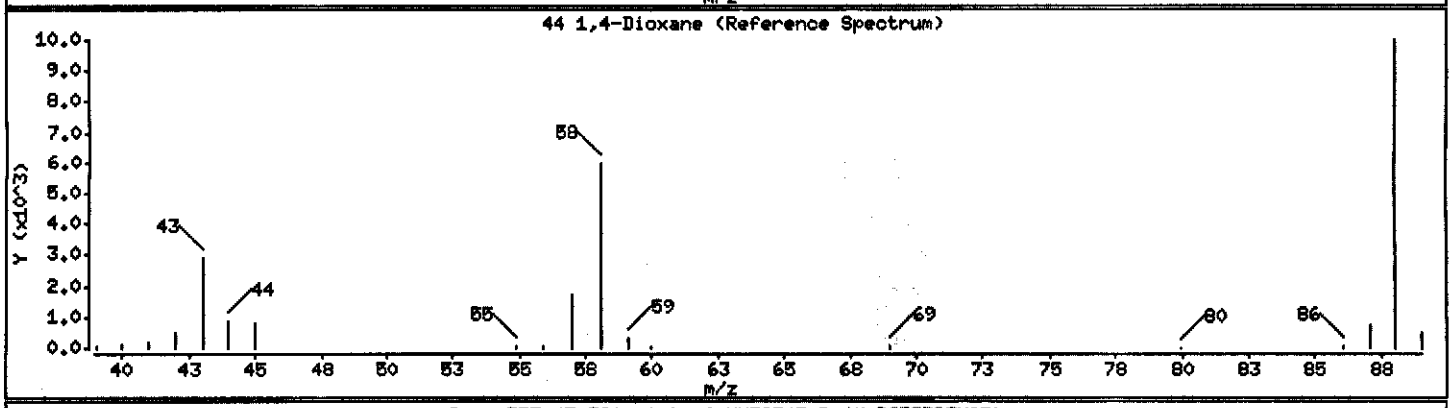
Purge Volume: 0.3 | Operator: 1904

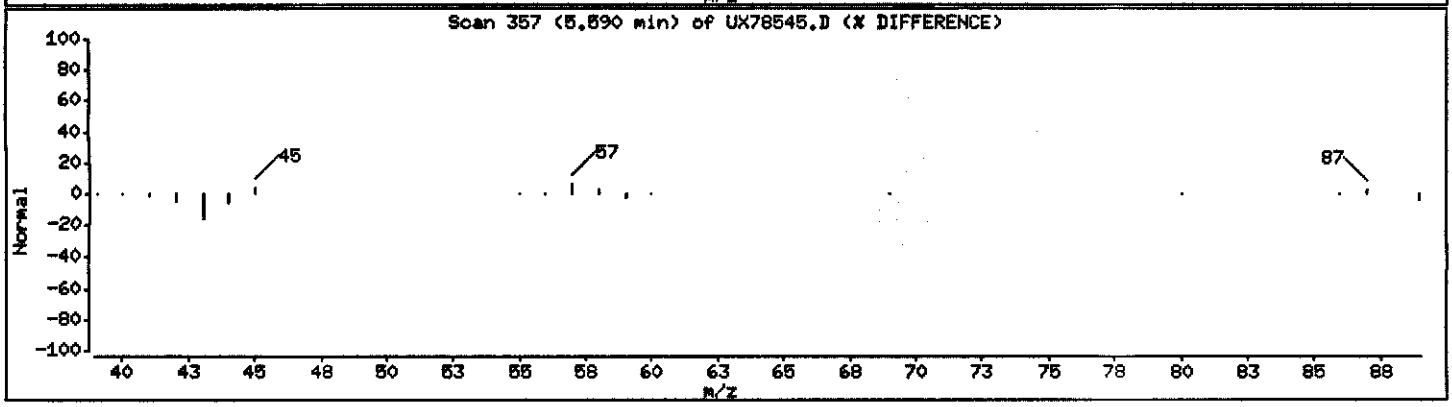
Column phase: DB624 20m | Column diameter: 0.18

44 1,4-Dioxane | Concentration: 1178.8 ug/L









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Date : 03-JAN-2005 12:28

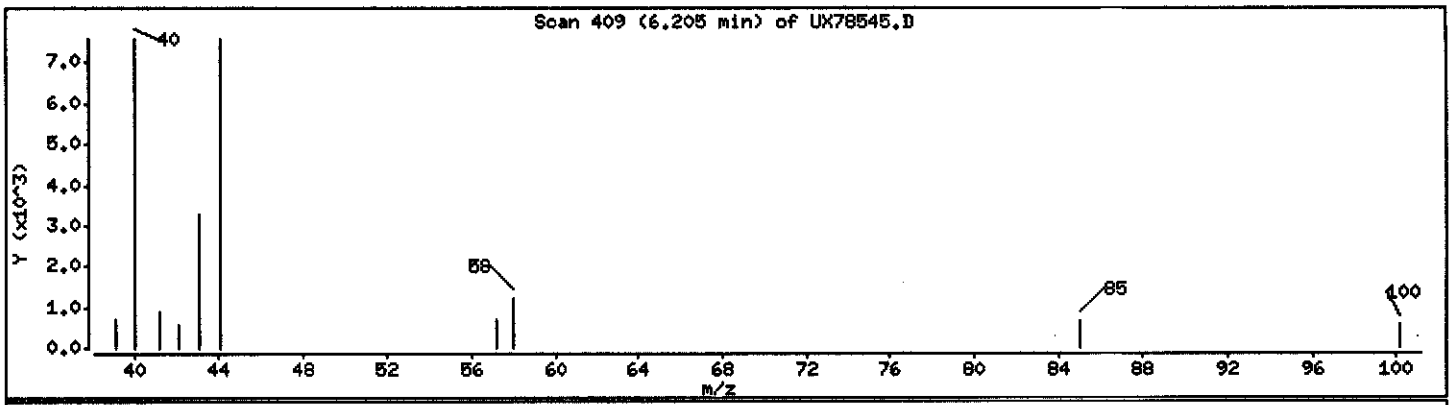
Client ID: WEST RAVINE OUTFALL | Instrument: a3ux7.i

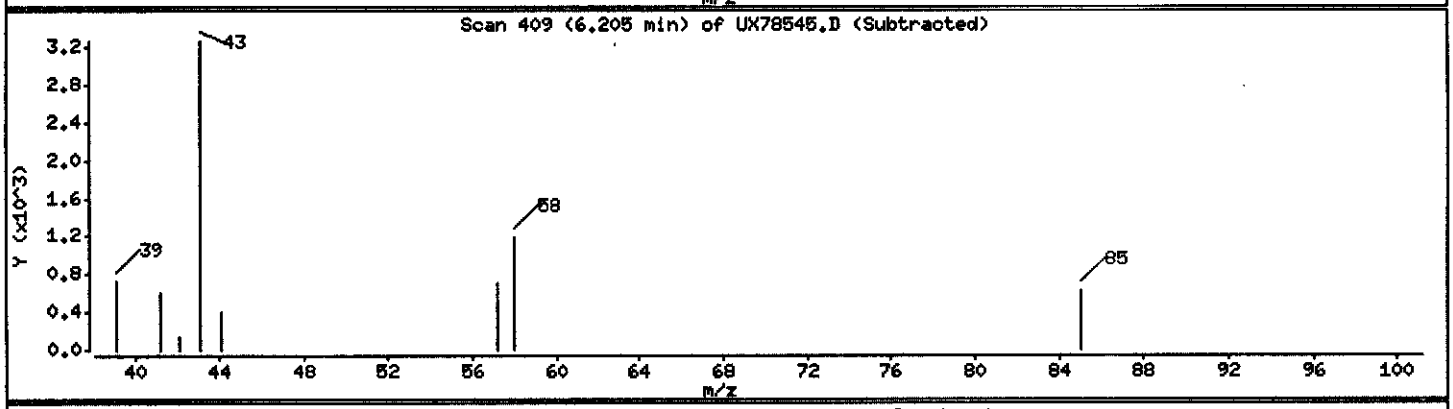
Sample Info: G1QML1AA,0.3ML/5ML

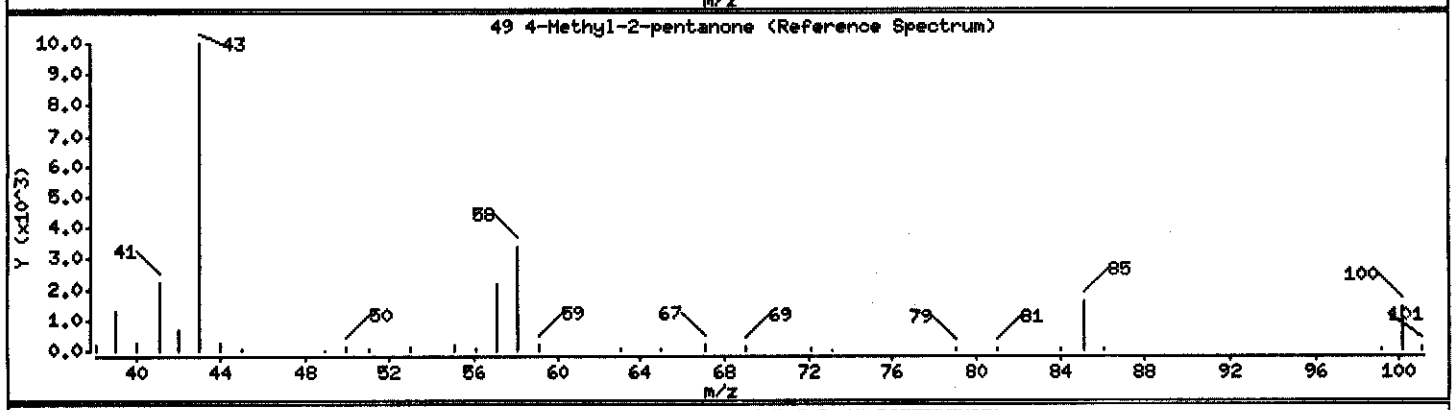
Purge Volume: 0.3 | Operator: 1904

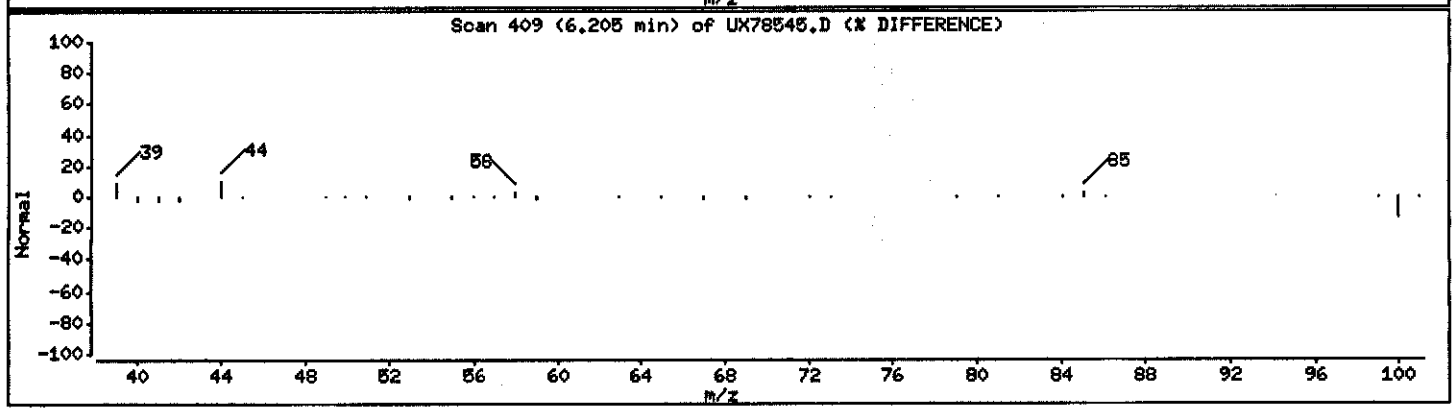
Column phase: DB624 20m | Column diameter: 0.18

49 4-Methyl-2-pentanone | Concentration: 4.775 ug/L









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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

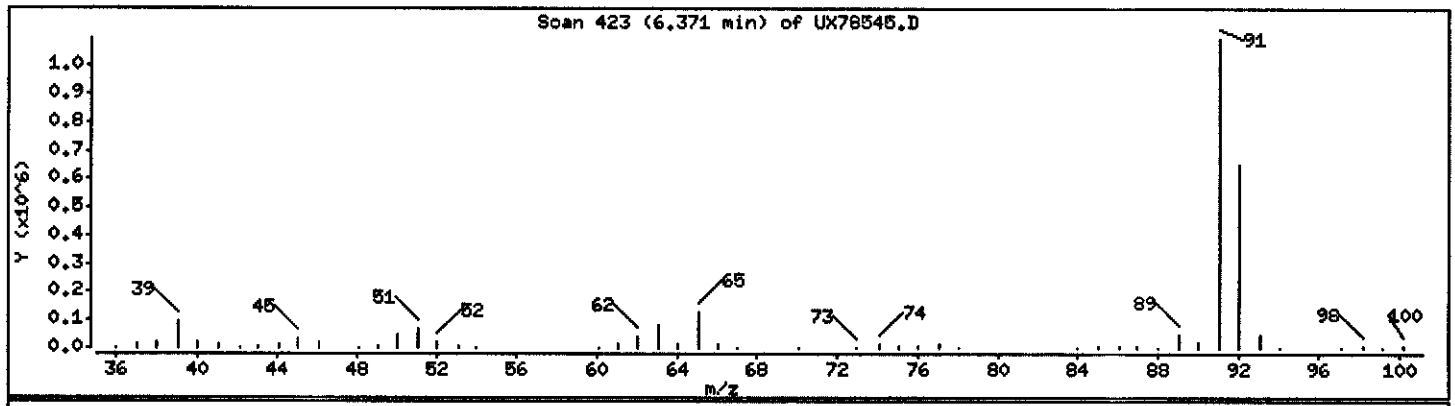
Operator: 1904

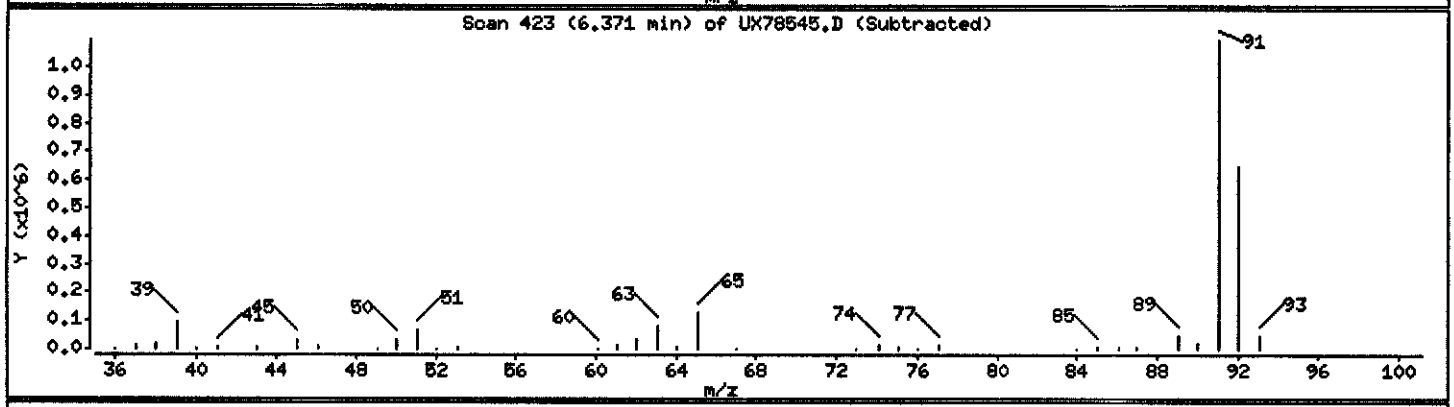
Column phase: DB624 20m

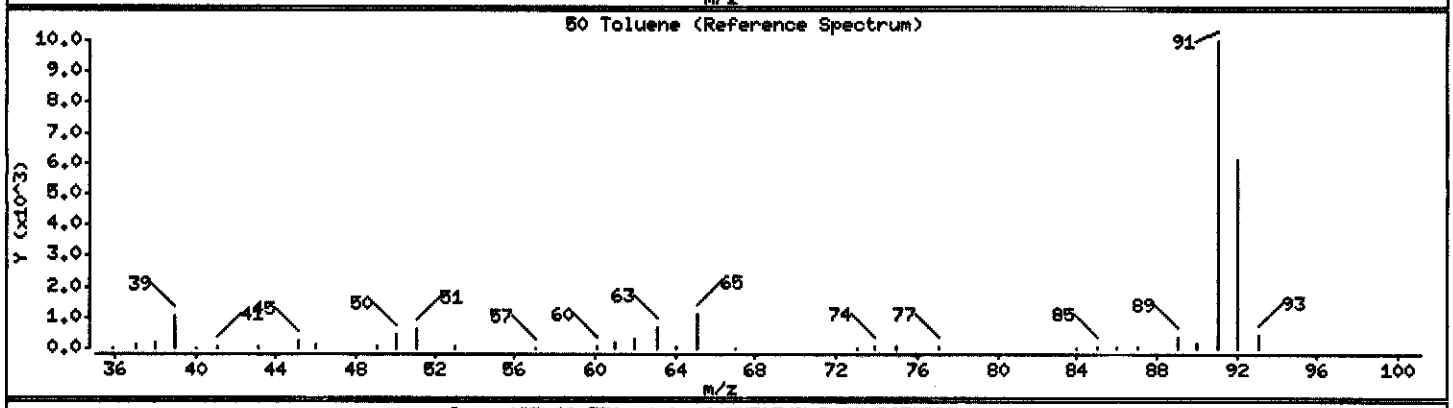
Column diameter: 0.18

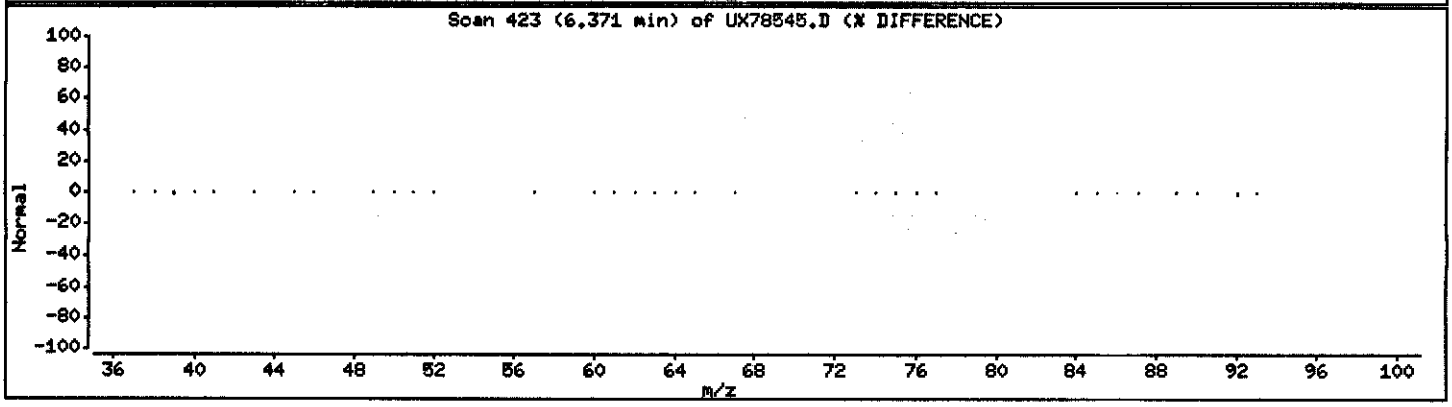
50 Toluene

Concentration: 249.50 ug/L









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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

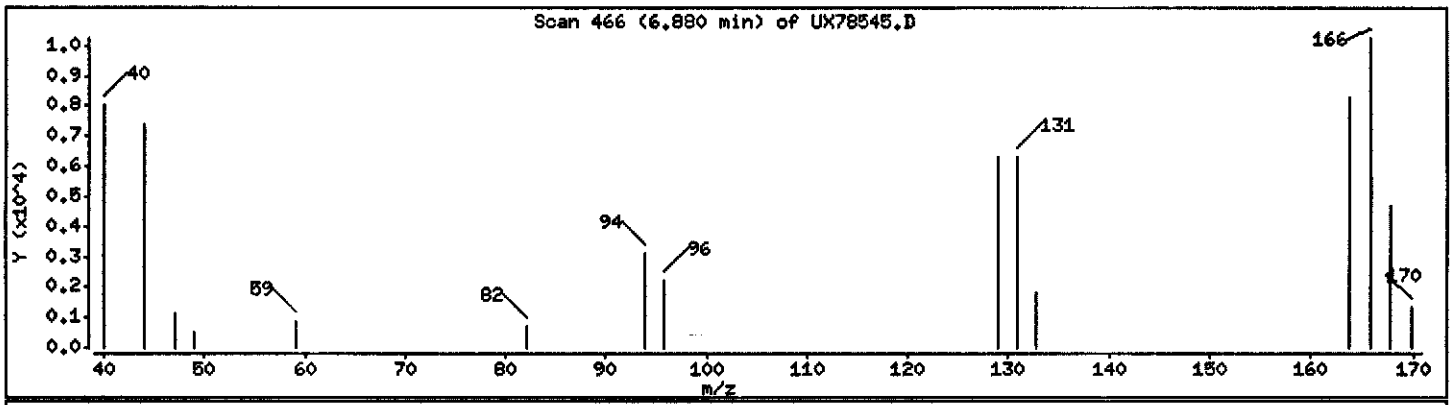
Operator: 1904

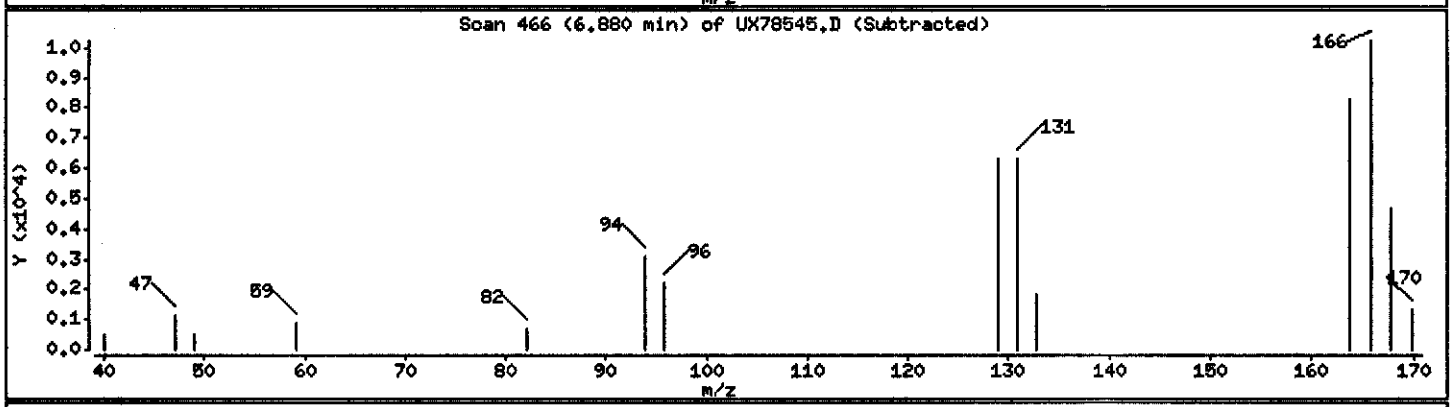
Column phase: DB624 20m

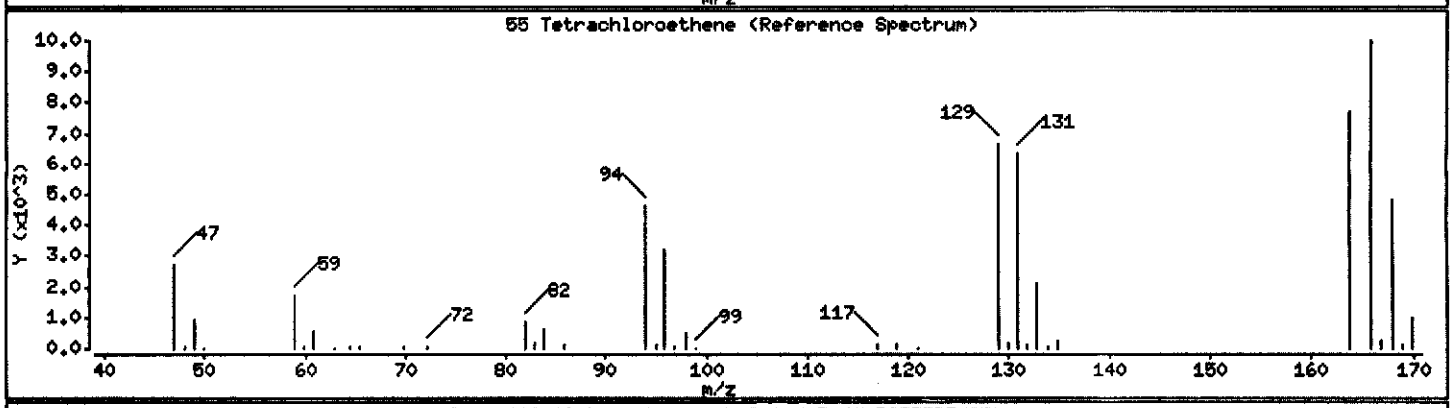
Column diameter: 0.18

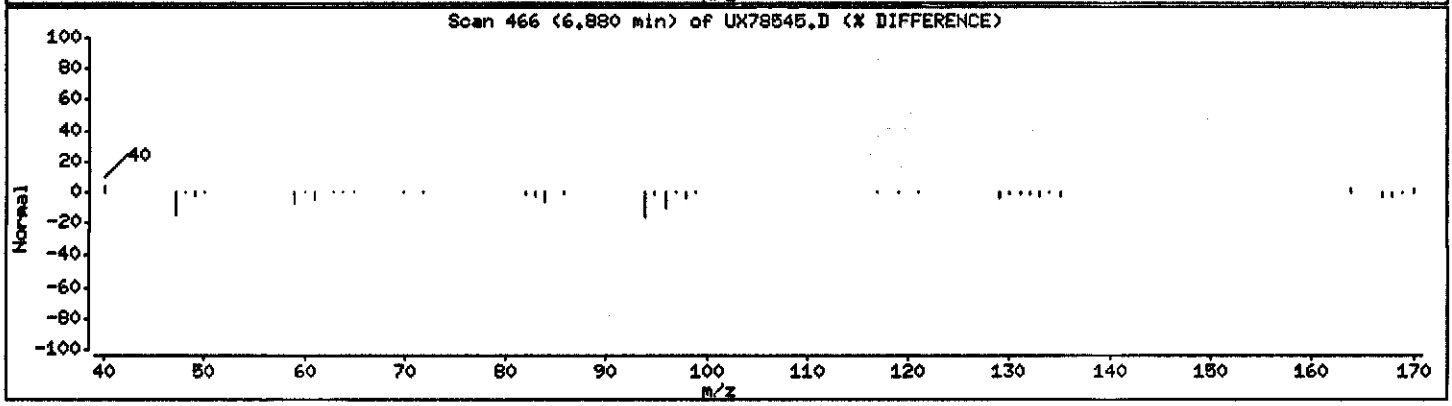
55 Tetrachloroethene

Concentration: 9.210 ug/L









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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

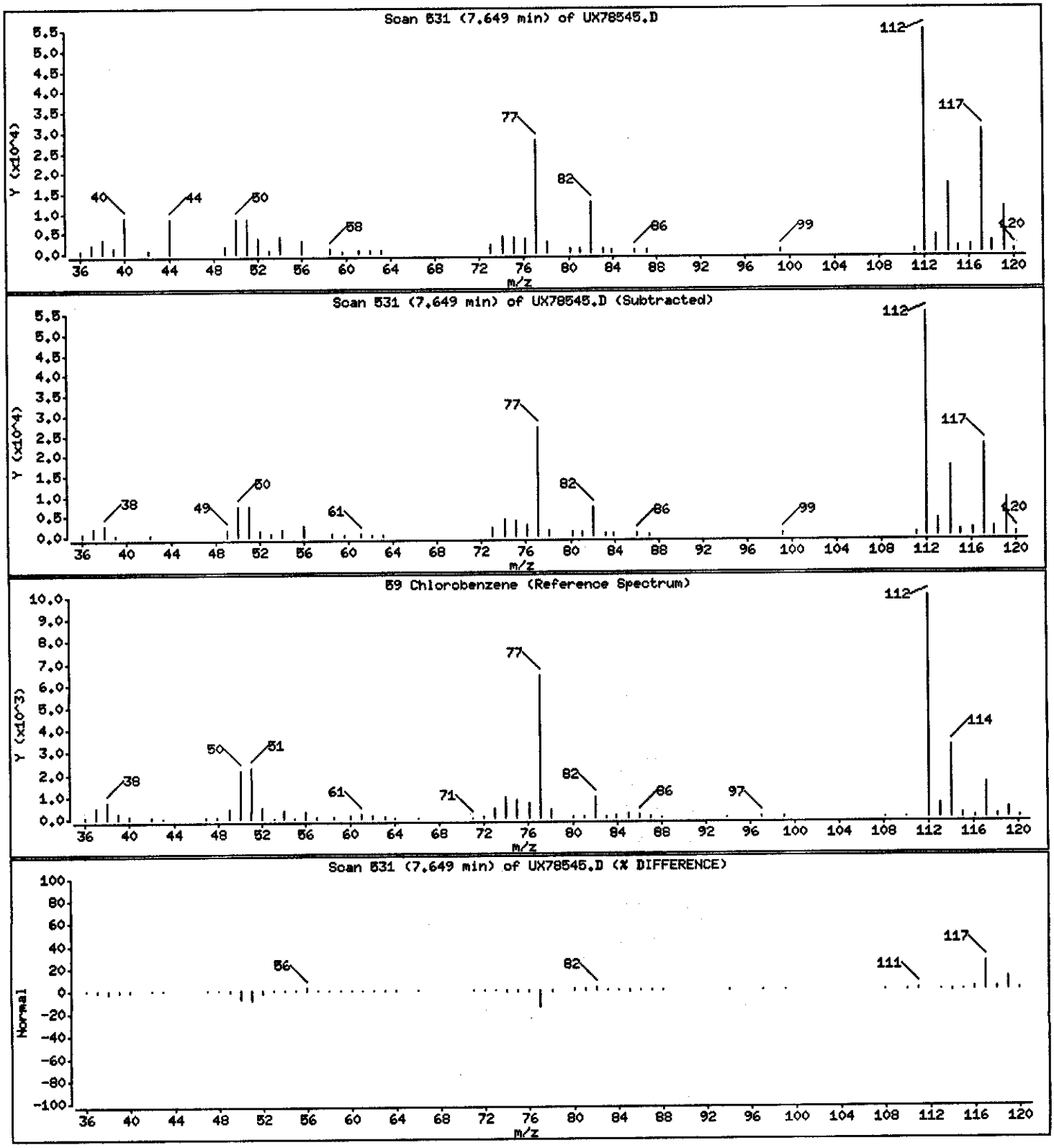
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

59 Chlorobenzene

Concentration: 19.408 ug/L



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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

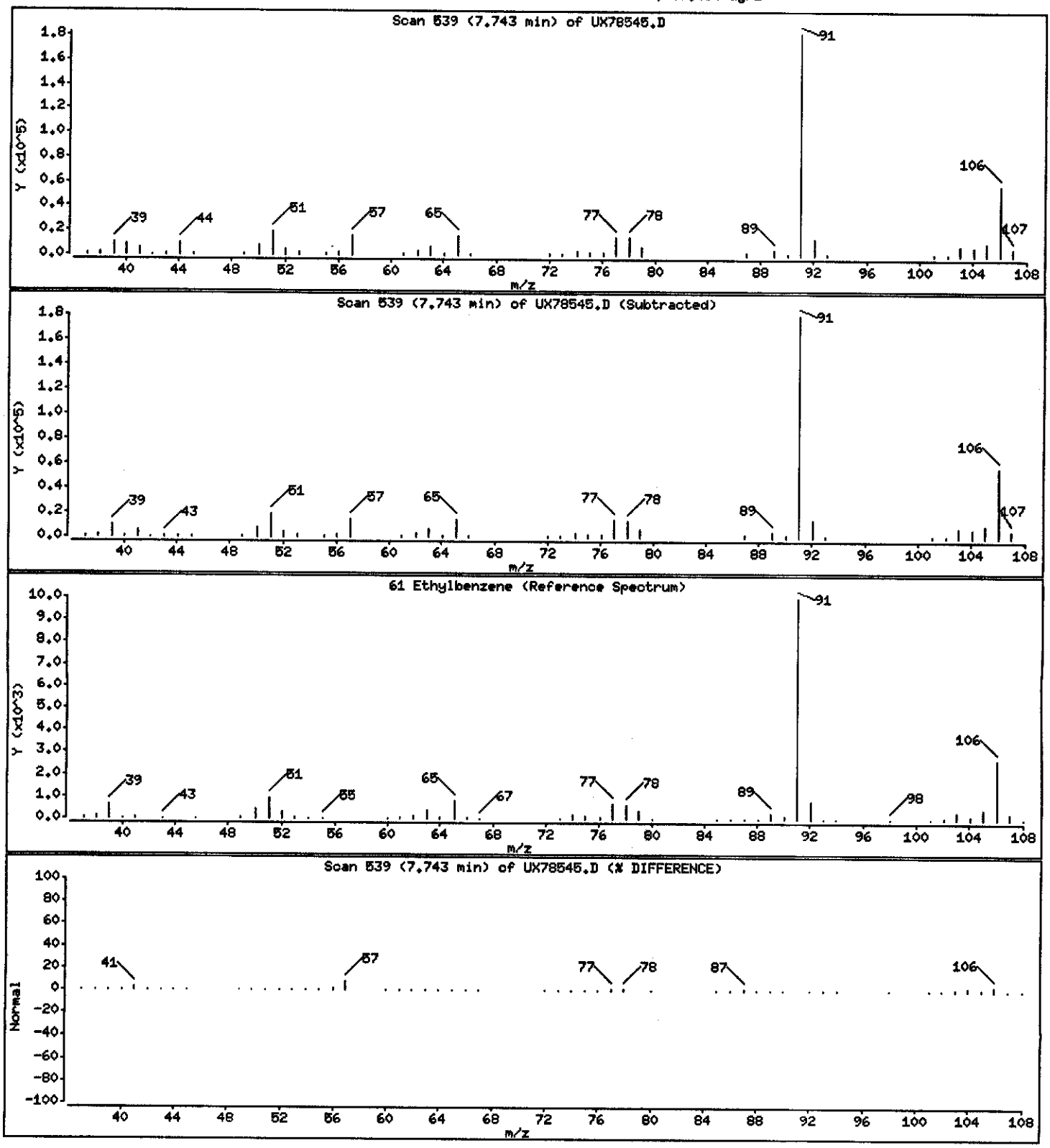
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

61 Ethylbenzene

Concentration: 38.464 ug/L



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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

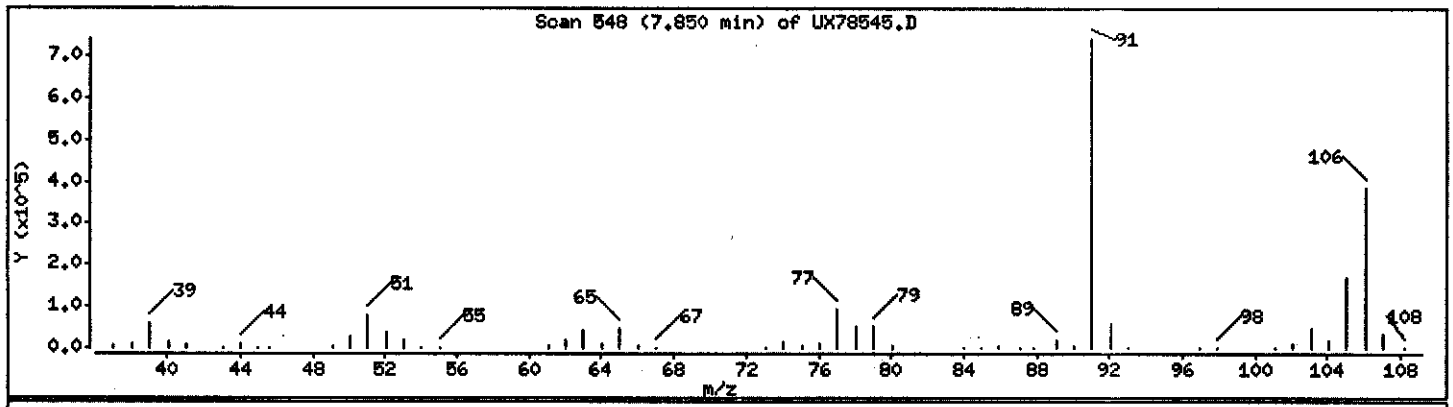
Operator: 1904

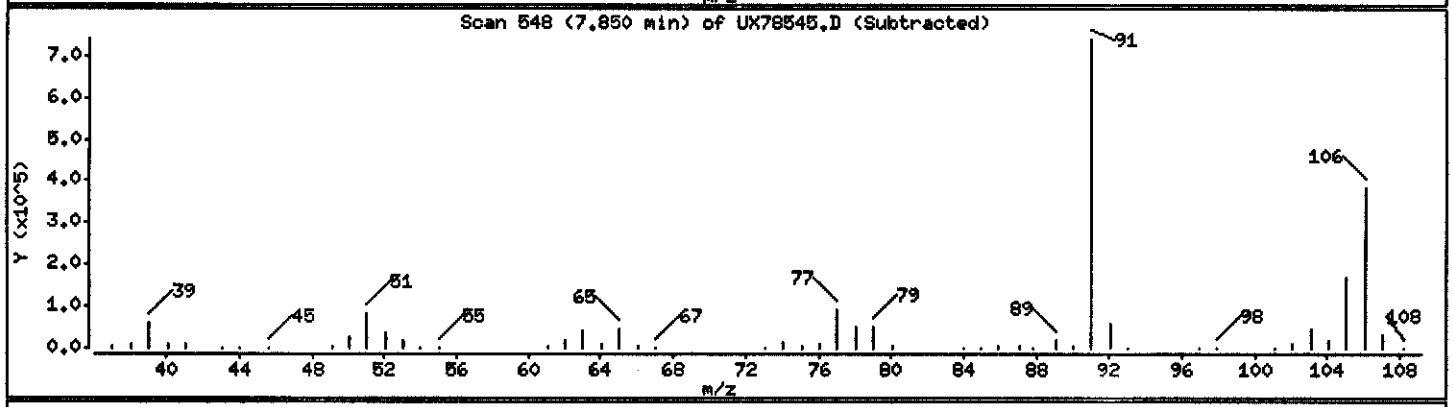
Column phase: DB624 20m

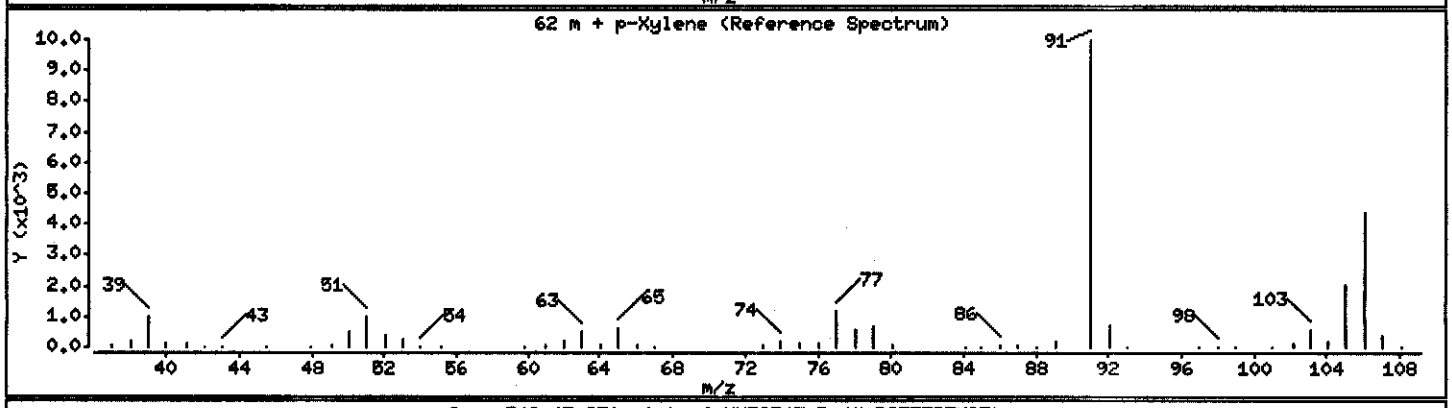
Column diameter: 0.18

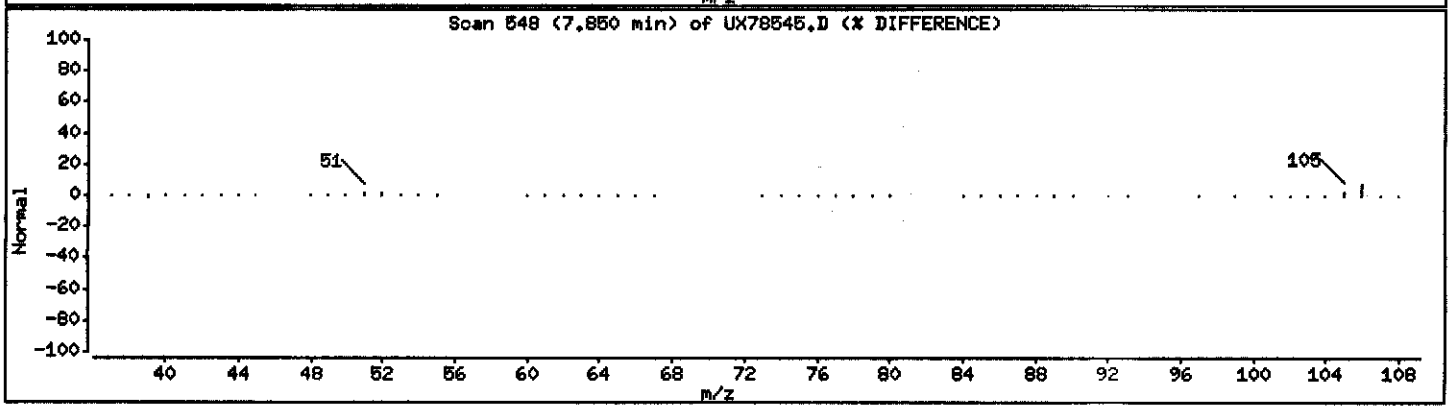
62 m + p-Xylene

Concentration: 207.87 ug/L









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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

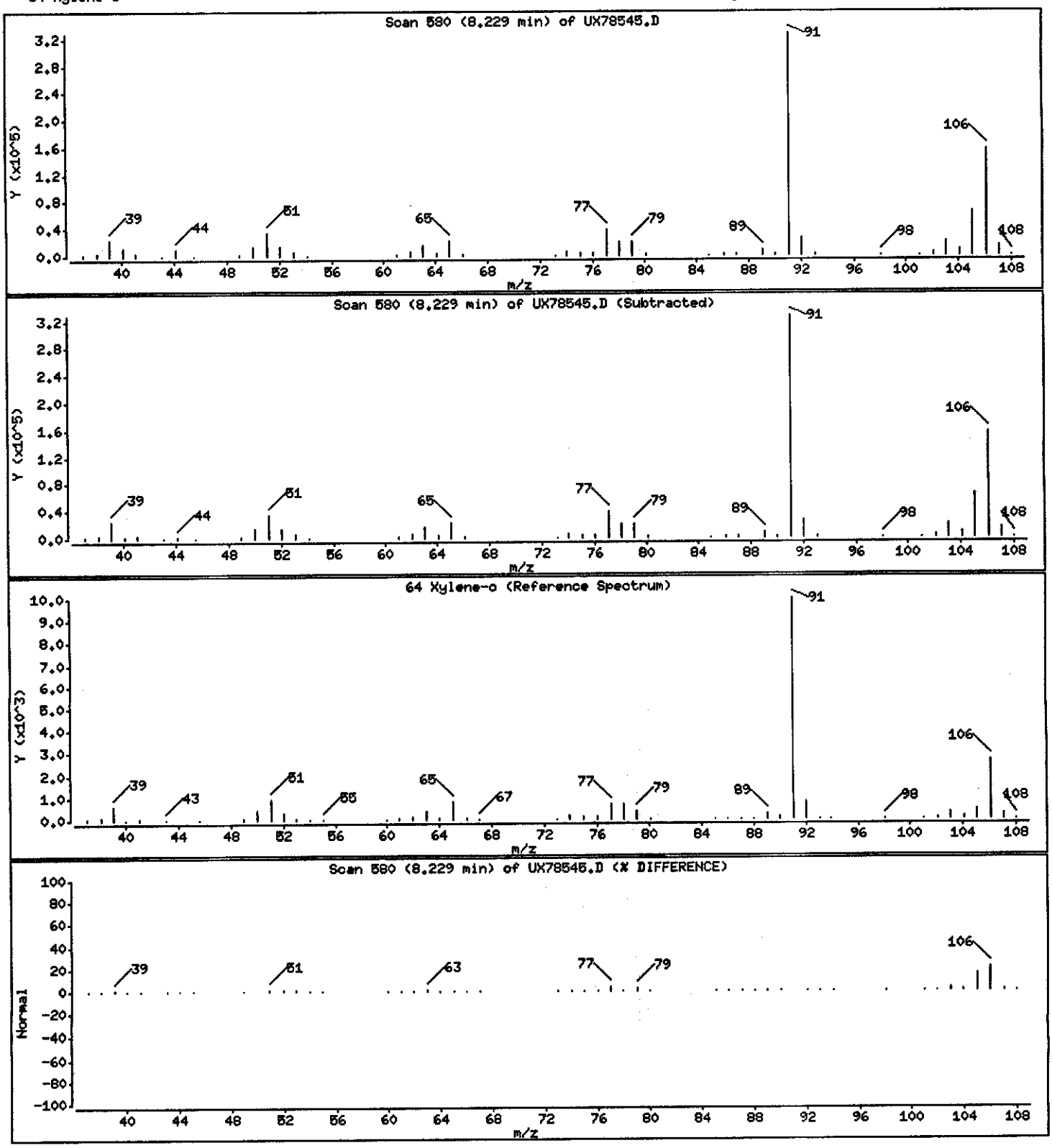
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

64 Xylene-o

Concentration: 84.868 ug/L



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Date : 03-JAN-2005 12:28

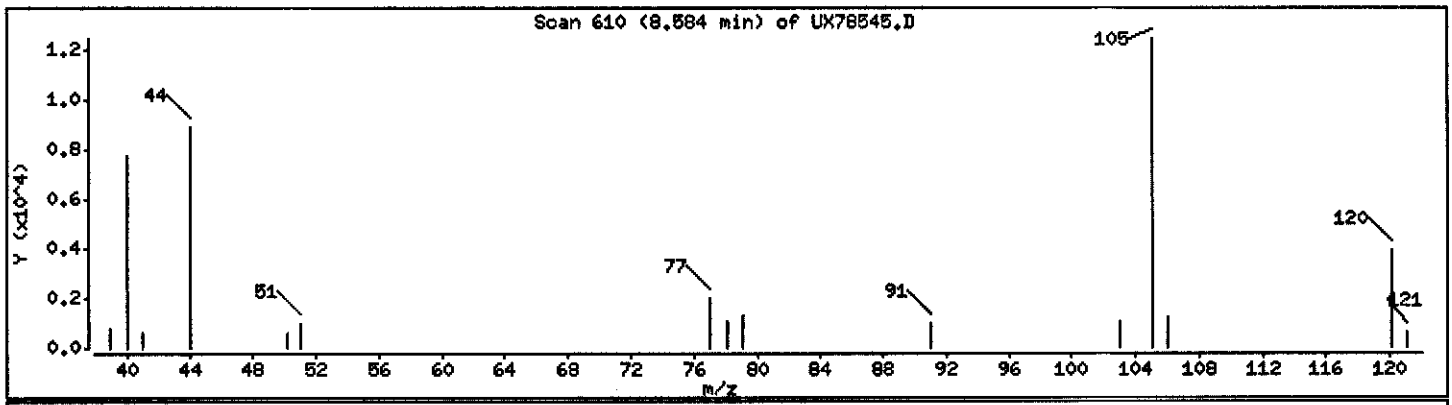
Client ID: WEST RAVINE OUTFALL | Instrument: a3ux7.i

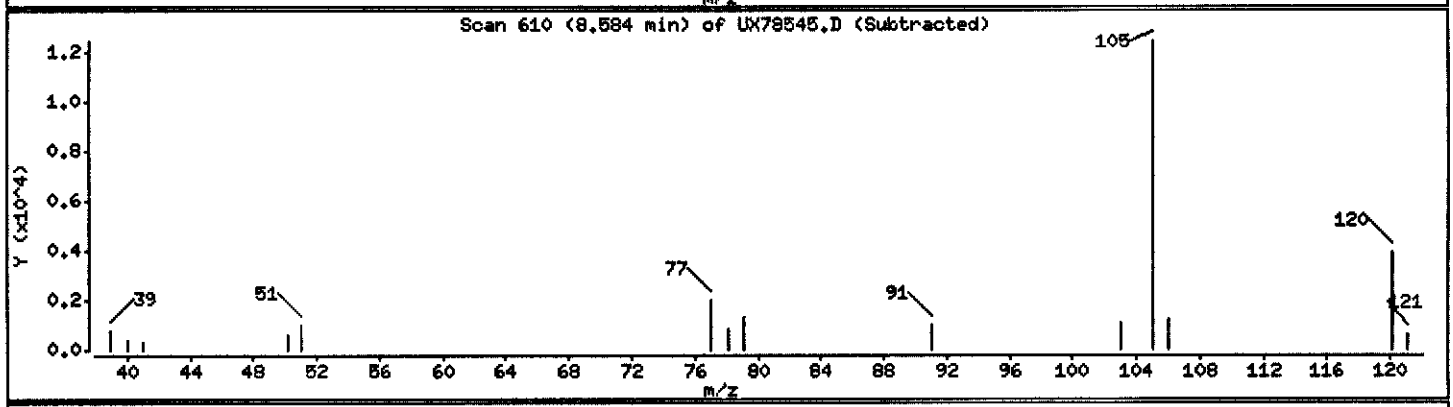
Sample Info: G1QML1AA,0.3ML/5ML

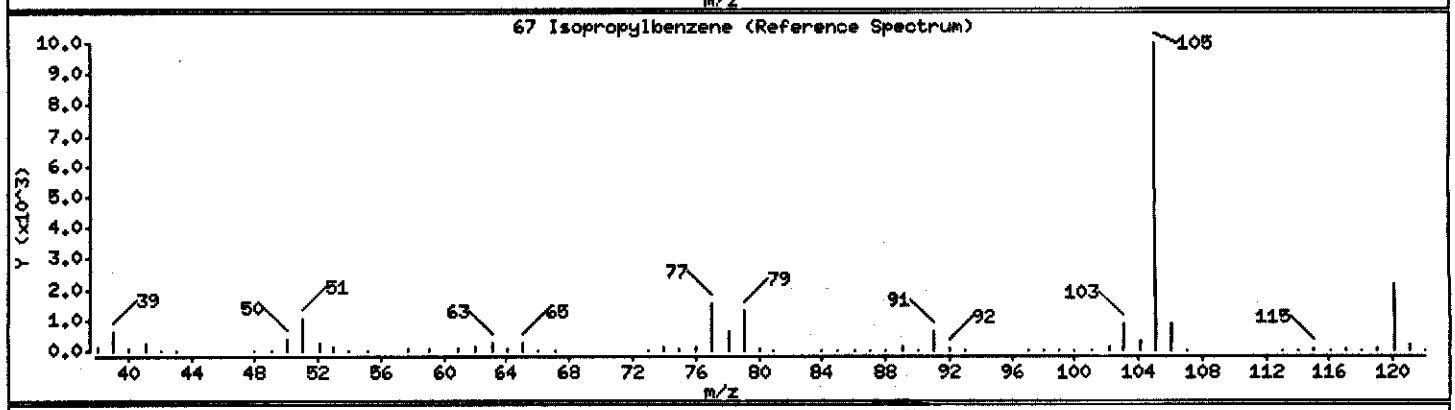
Purge Volume: 0.3 | Operator: 1904

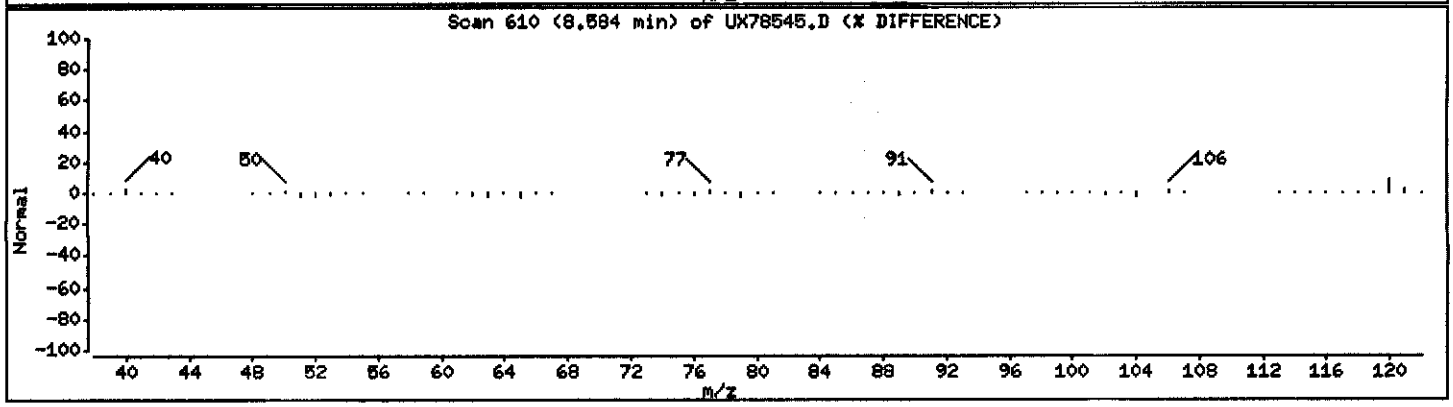
Column phase: DB624 20m | Column diameter: 0.18

67 Isopropylbenzene | Concentration: 3.000 ug/L









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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

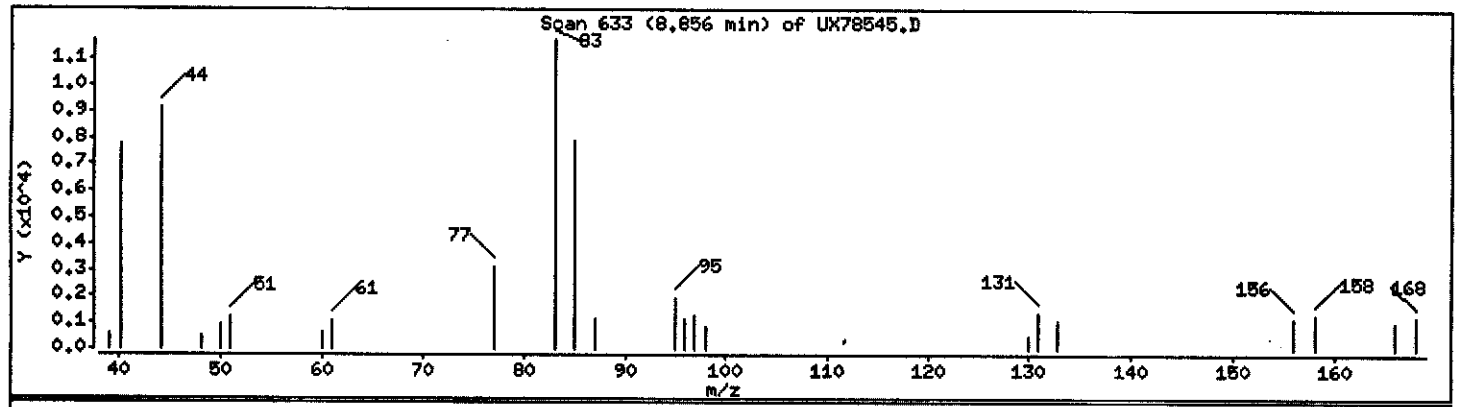
Operator: 1904

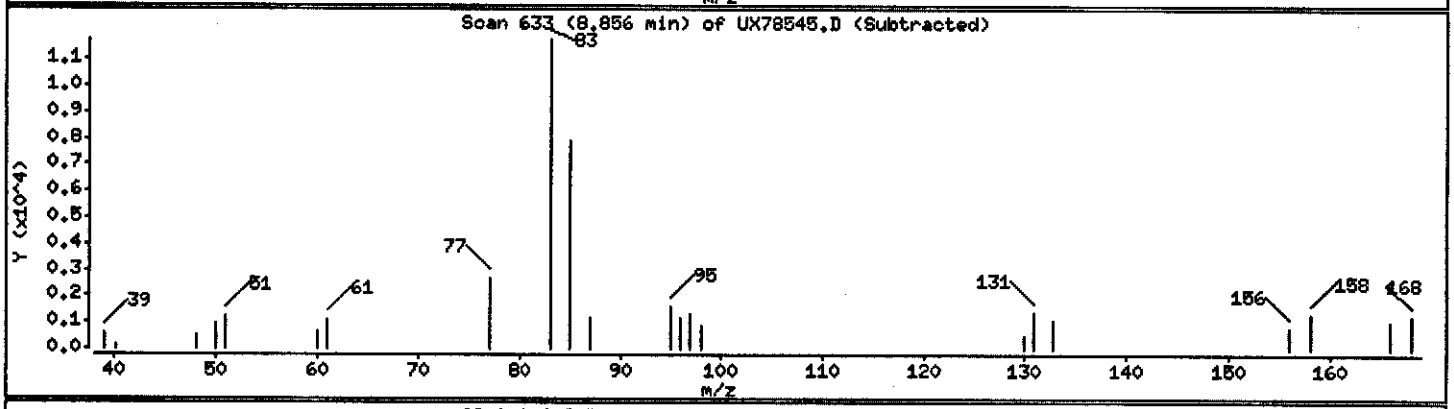
Column phase: DB624 20m

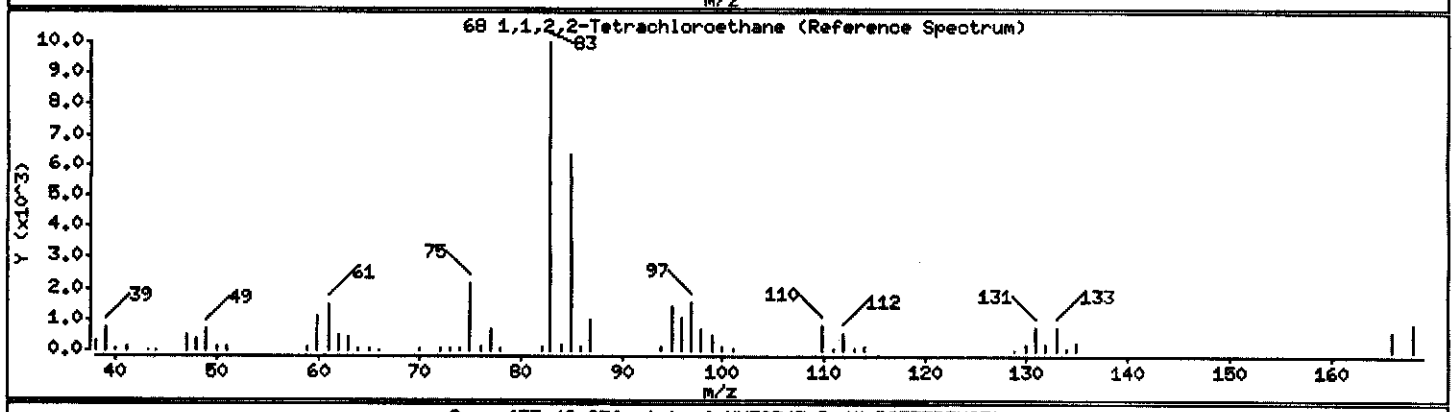
Column diameter: 0.18

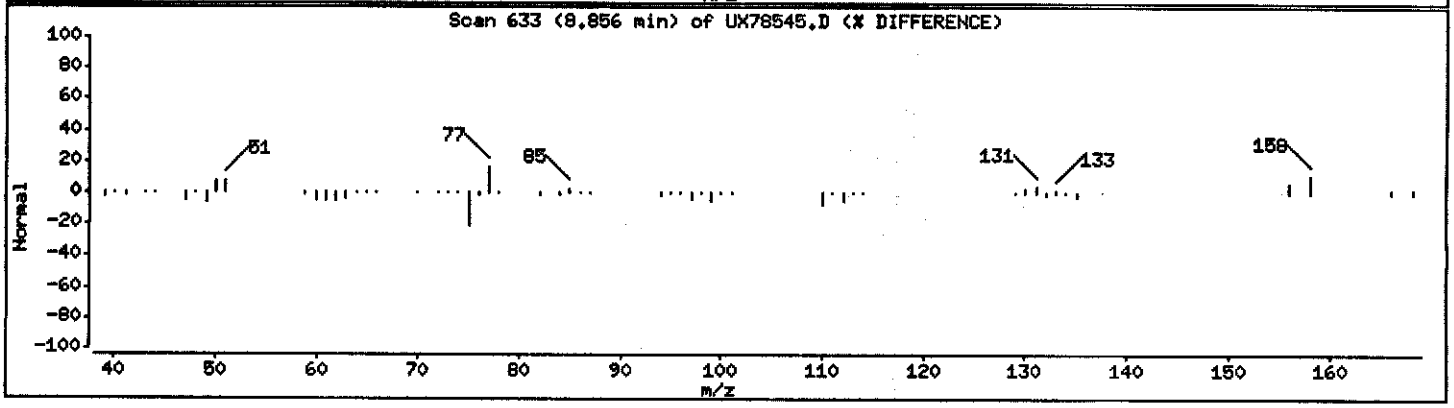
68 1,1,2,2-Tetrachloroethane

Concentration: 12.770 ug/L









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Date : 03-JAN-2005 12:28

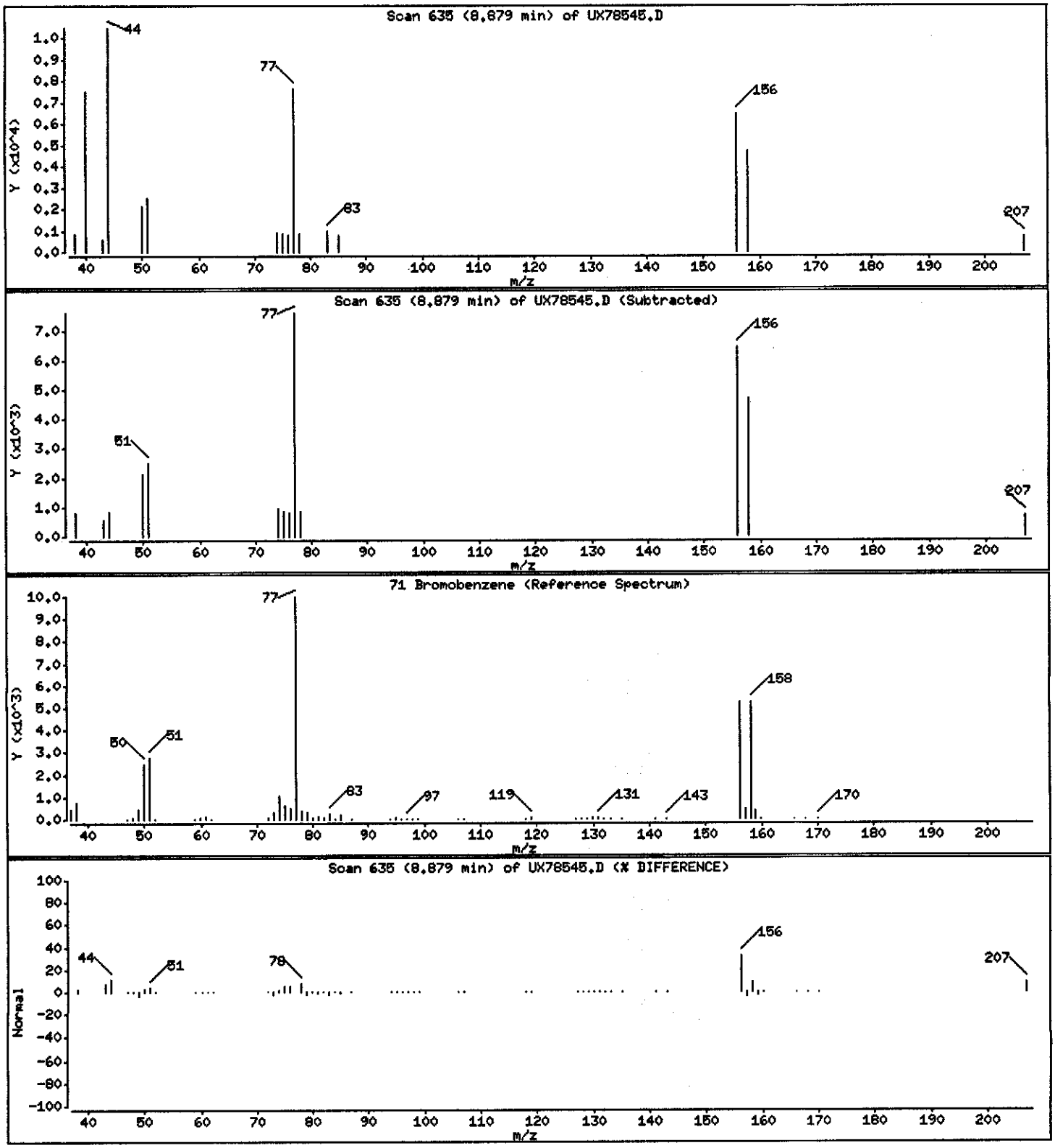
Client ID: WEST RAVINE OUTFALL | Instrument: a3ux7.i

Sample Info: C1QML1AA,0.3ML/5ML

Purge Volume: 0.3 | Operator: 1904

Column phase: DB624 20m | Column diameter: 0.18

71 Bromobenzene | Concentration: 5.495 ug/L



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Date : 03-JAN-2005 12:28

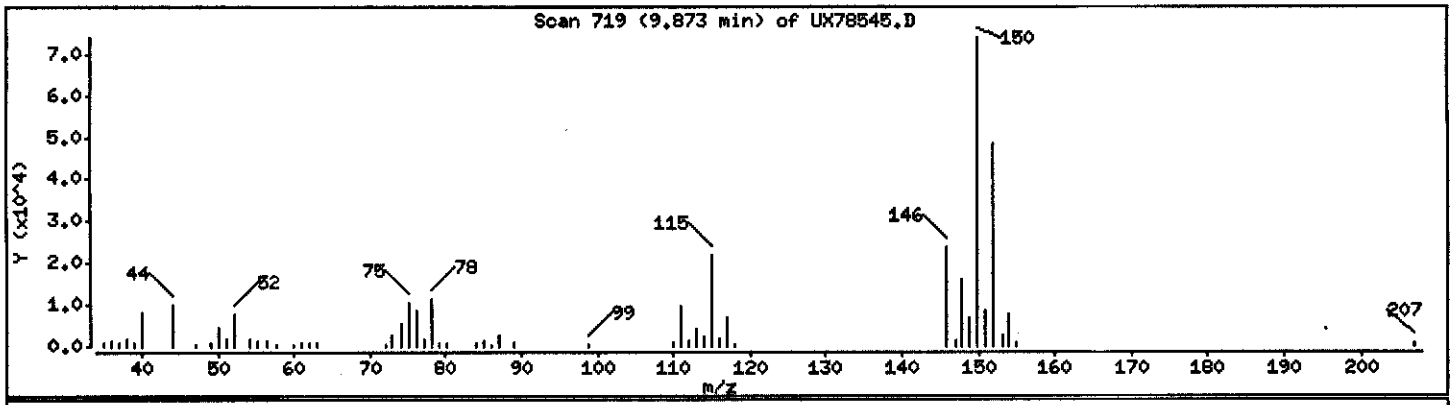
Client ID: WEST RAVINE OUTFALL | Instrument: a3ux7.i

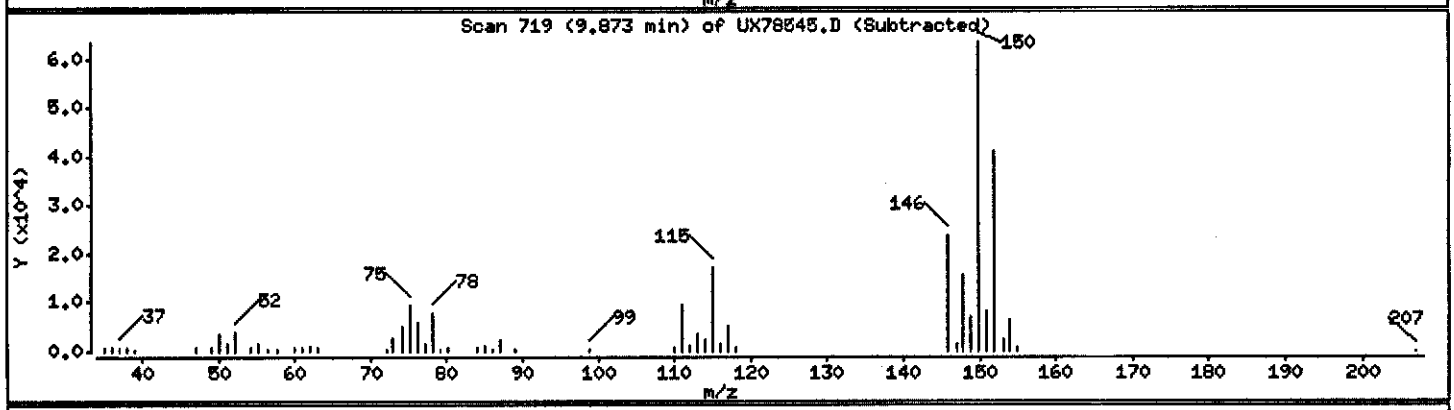
Sample Info: G1QML1AA,0.3ML/5ML

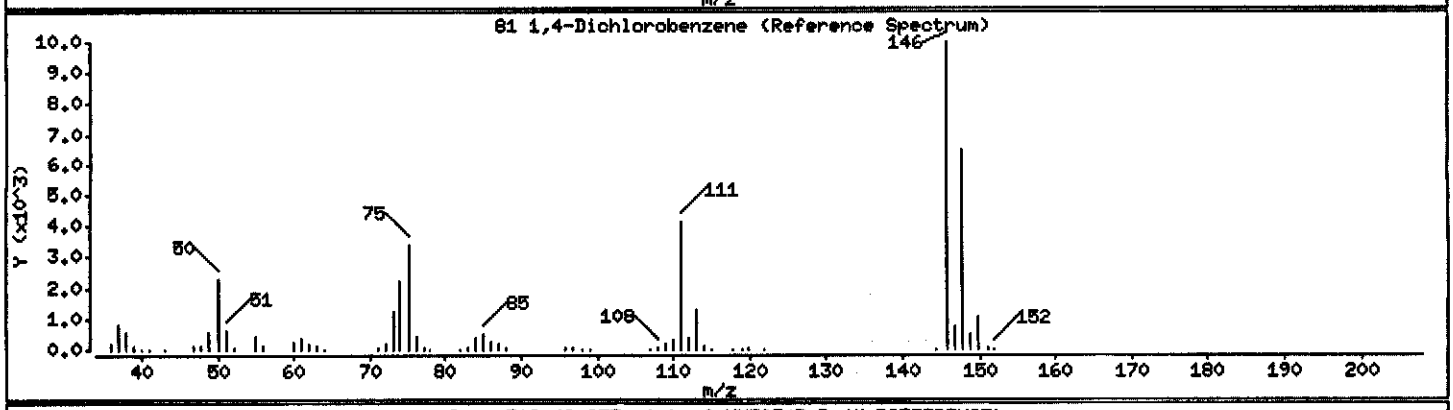
Purge Volume: 0.3 | Operator: 1904

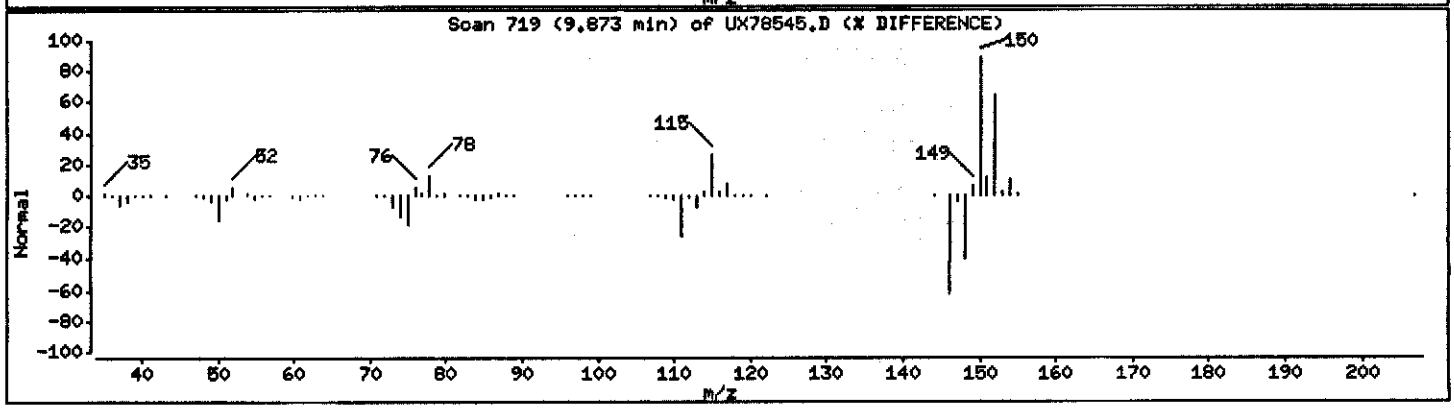
Column phase: DB624 20m | Column diameter: 0.18

81 1,4-Dichlorobenzene | Concentration: 11.388 ug/L









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Date : 03-JAN-2005 12:28

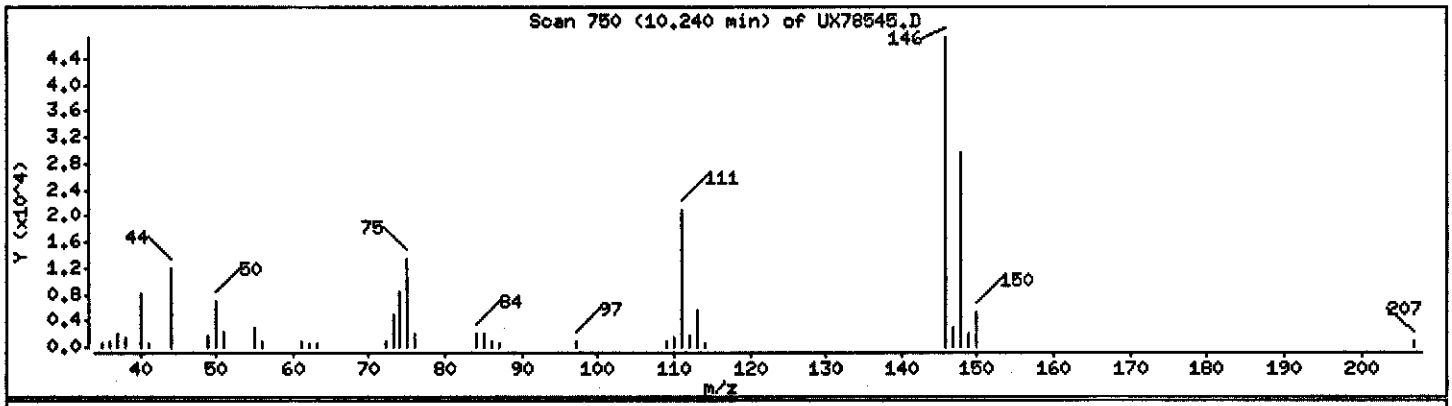
Client ID: WEST RAVINE OUTFALL | Instrument: a3ux7.i

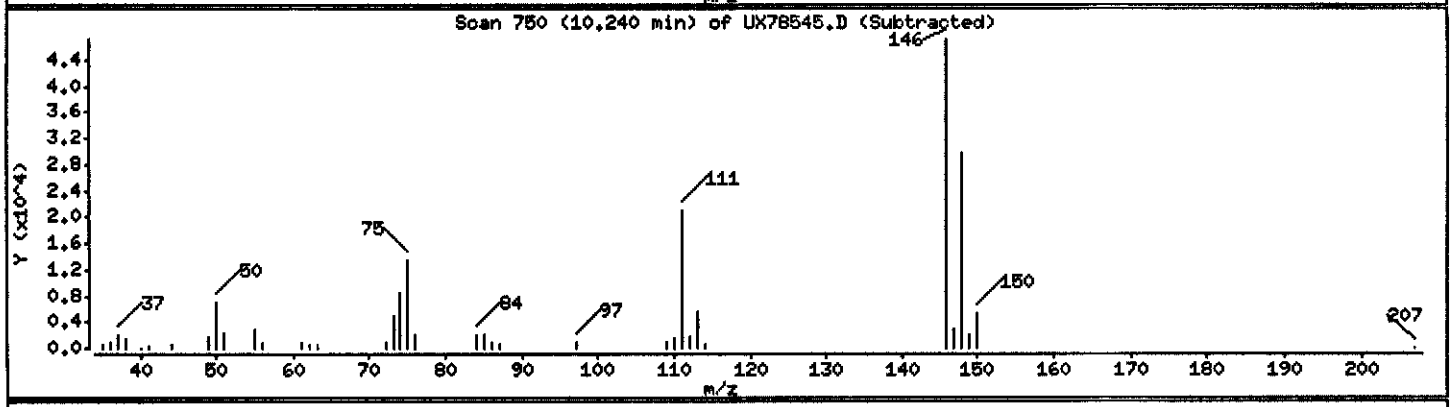
Sample Info: G1QML1AA,0.3ML/5ML

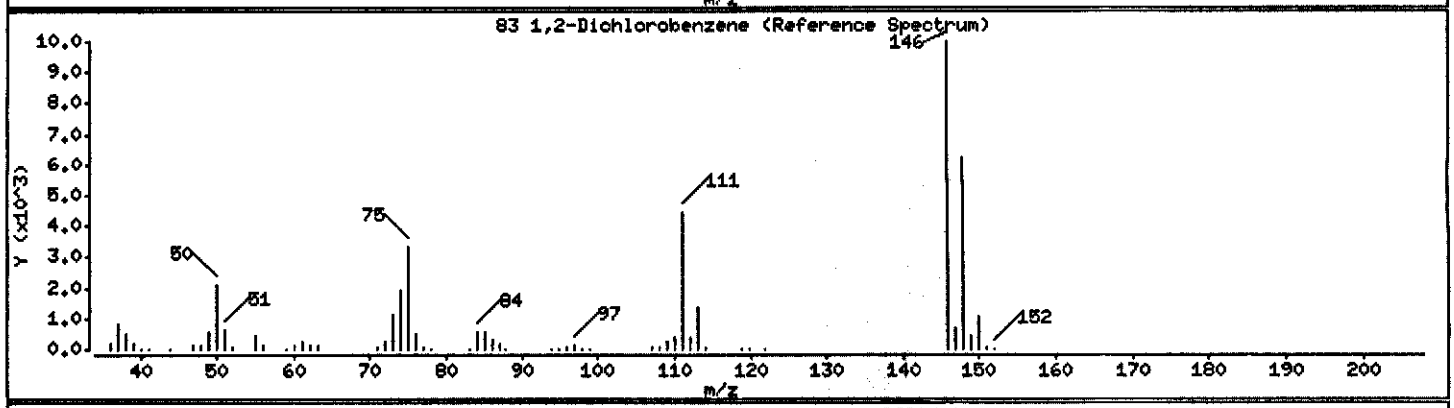
Purge Volume: 0.3 | Operator: 1904

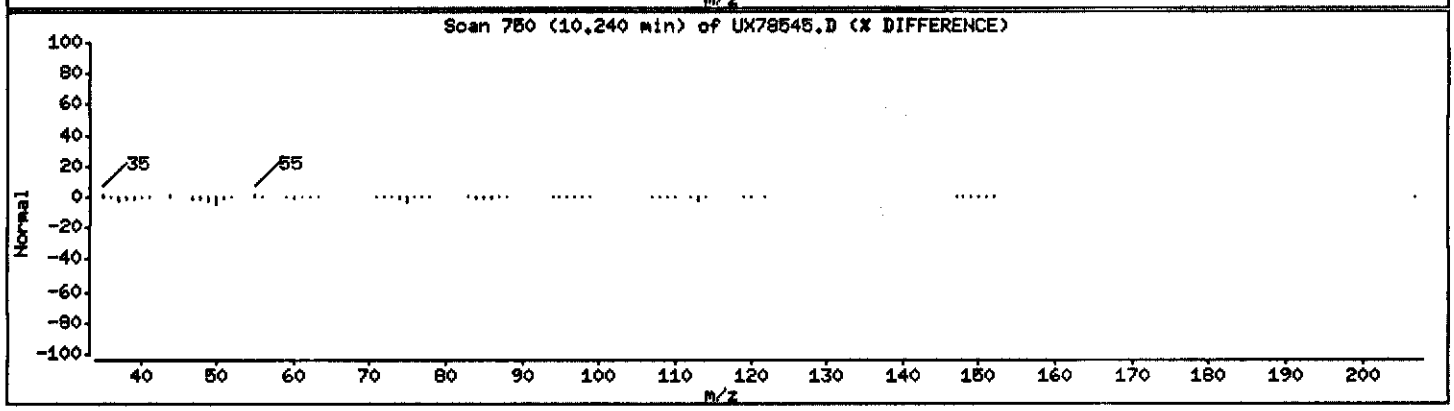
Column phase: DB624 20m | Column diameter: 0.18

83 1,2-Dichlorobenzene | Concentration: 25.520 ug/L









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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

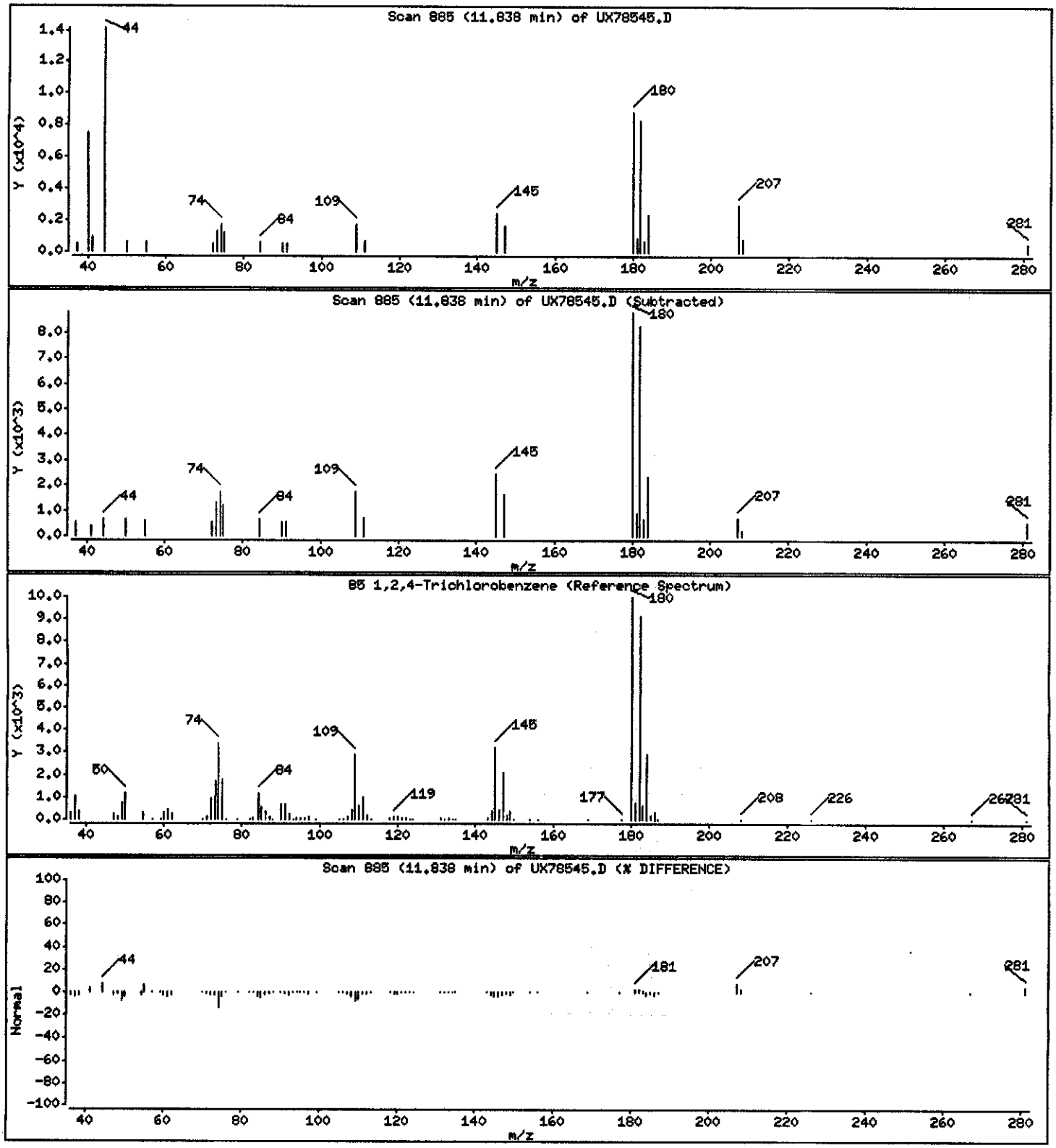
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

85 1,2,4-Trichlorobenzene

Concentration: 6.168 ug/L



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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

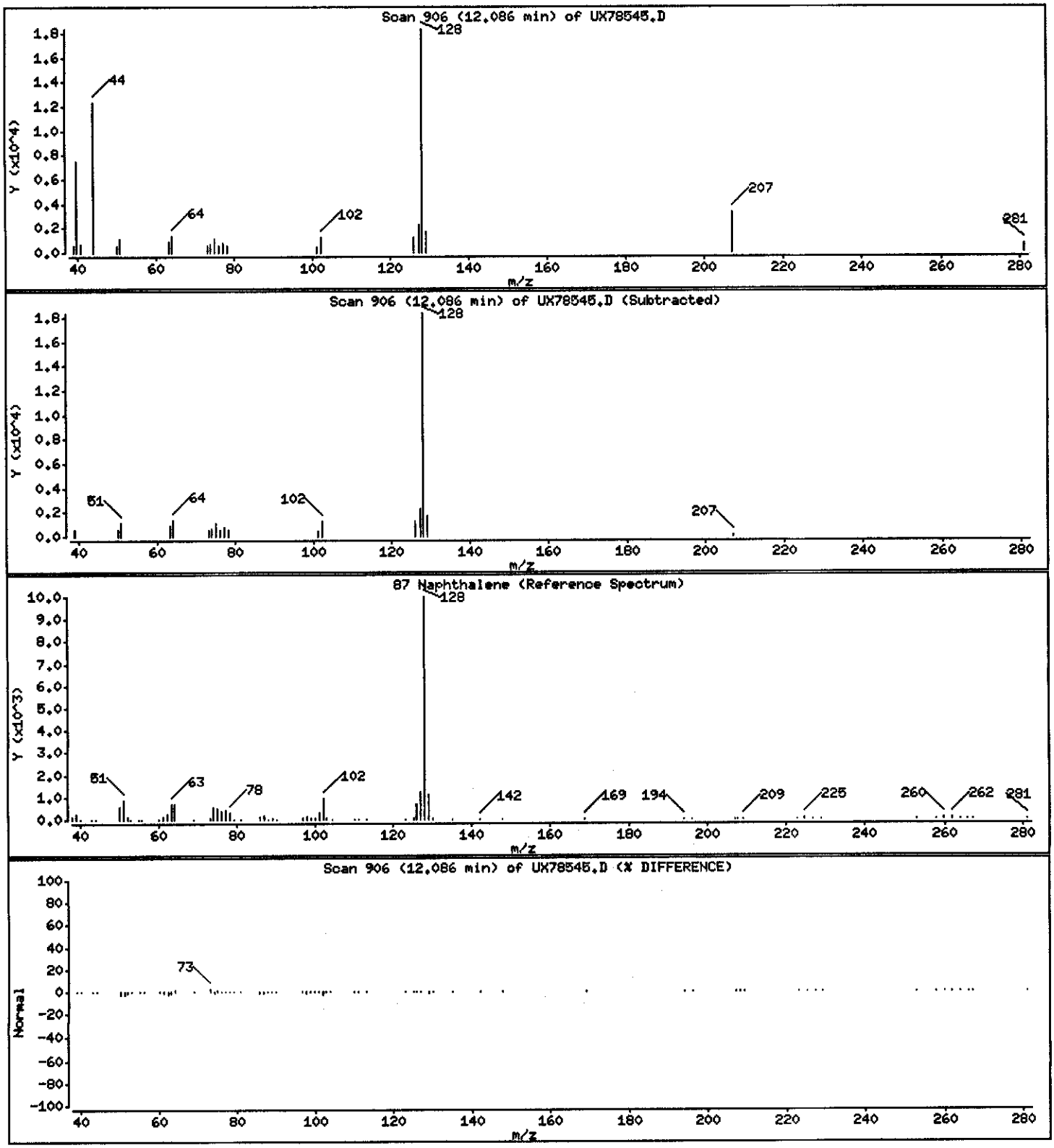
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

87 Naphthalene

Concentration: 4.758 ug/L



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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

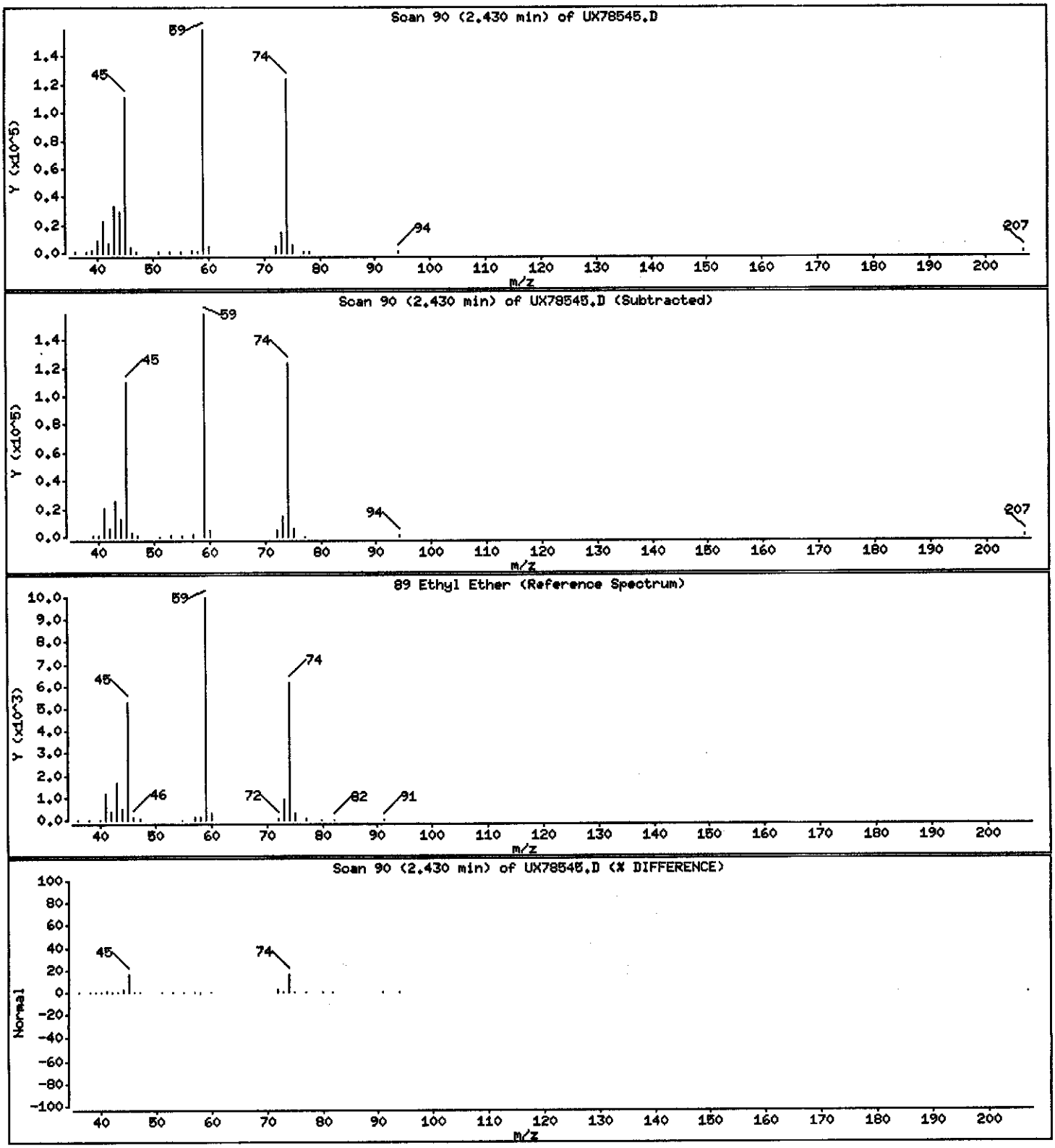
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

89 Ethyl Ether

Concentration: 294.63 ug/L



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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

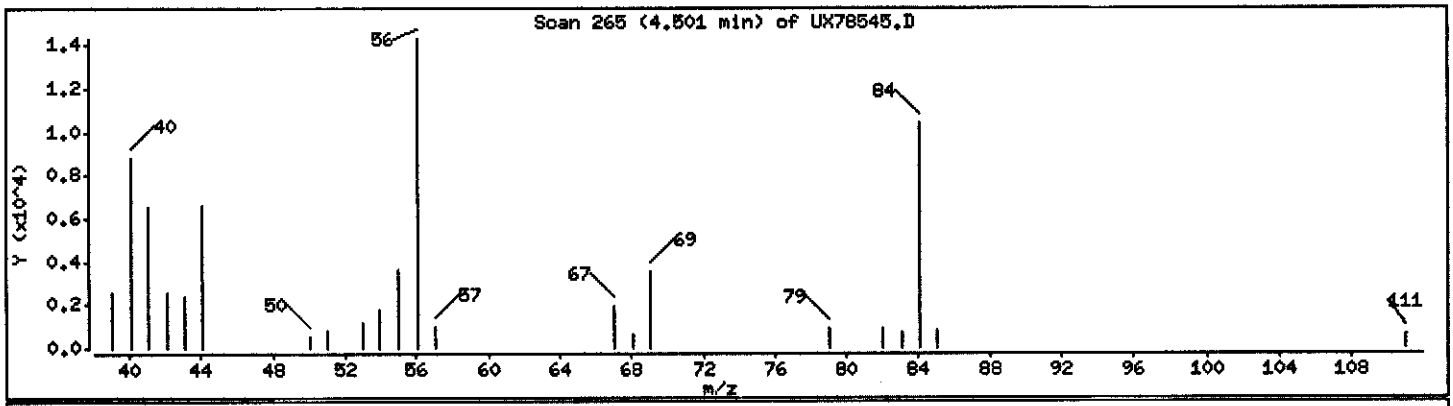
Operator: 1904

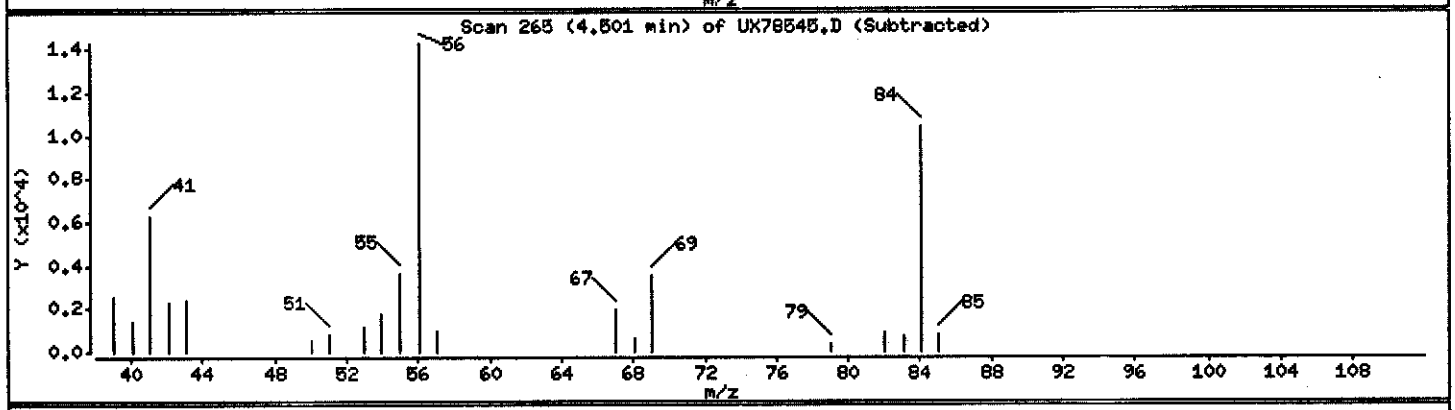
Column phase: DB624 20m

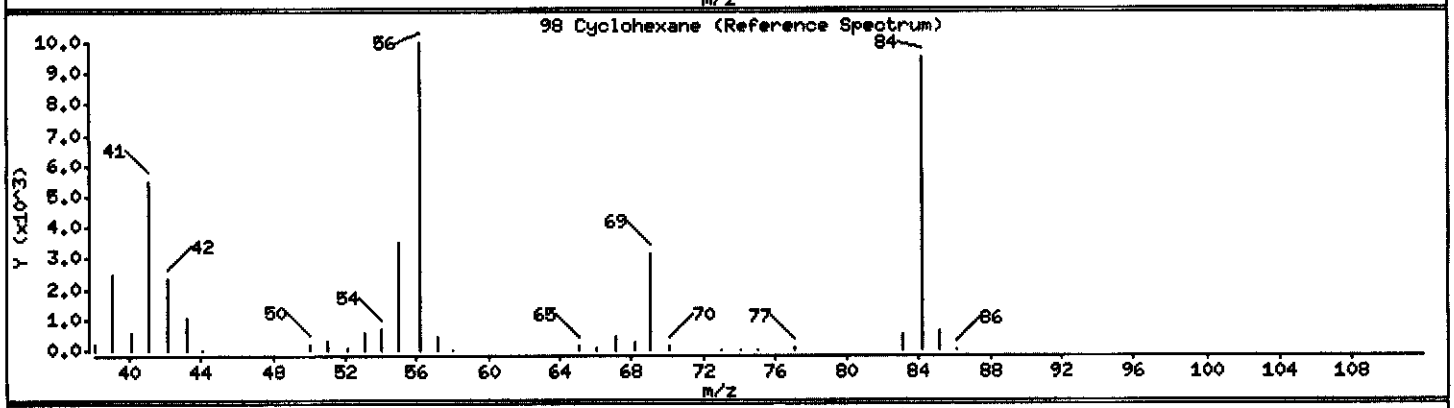
Column diameter: 0.18

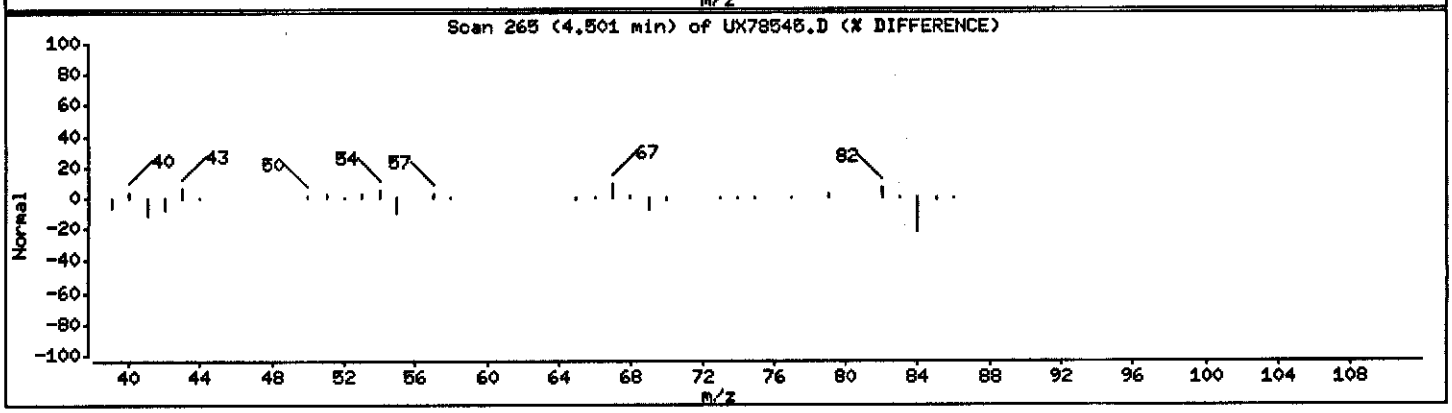
98 Cyclohexane

Concentration: 9.331 ug/L









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Date : 03-JAN-2005 12:28

Client ID: WEST RAVINE OUTFALL

Instrument: a3ux7.i

Sample Info: G1QML1AA,0.3ML/5ML

Purge Volume: 0.3

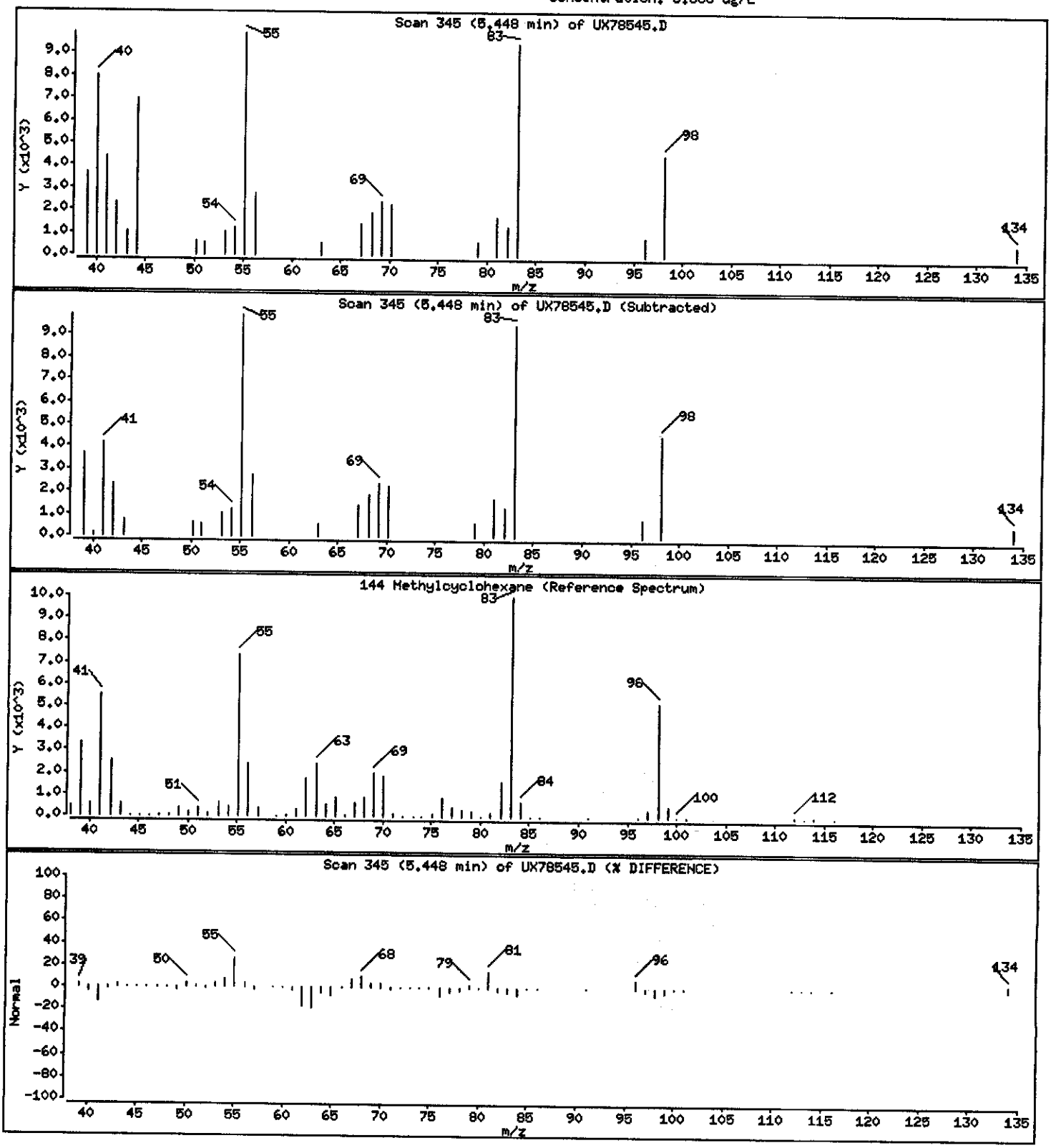
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

144 Methylcyclohexane

Concentration: 5.888 ug/L



PAYNE FIRM INC.

Client Sample ID: INFLOW/122004

GC/MS Volatiles

Lot-Sample #...: A4L230115-009 **Work Order #...:** G1QMM1AA **Matrix.....:** WG
Date Sampled...: 12/20/04 14:50 **Date Received..:** 12/23/04
Prep Date.....: 12/30/04 **Analysis Date..:** 12/30/04
Prep Batch #...: 5003269
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: INFLOW/122004

GC/MS Volatiles

Lot-Sample #...: A4L230115-009 **Work Order #...:** G1QMM1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(73 - 122)
1,2-Dichloroethane-d4	118	(61 - 128)
Toluene-d8	105	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78528.D
Report Date: 03-Jan-2005 15:52

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78528.D
Lab Smp Id: G1QMM1AA Client Smp ID: INFLOW/122004
Inj Date : 30-DEC-2004 18:27
Operator : 1904 Inst ID: a3ux7.i
Smp Info : G1QMM1AA,5ML/5ML
Misc Info : U41230A,N8260UX7-3,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m
Meth Date : 03-Jan-2005 15:41 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

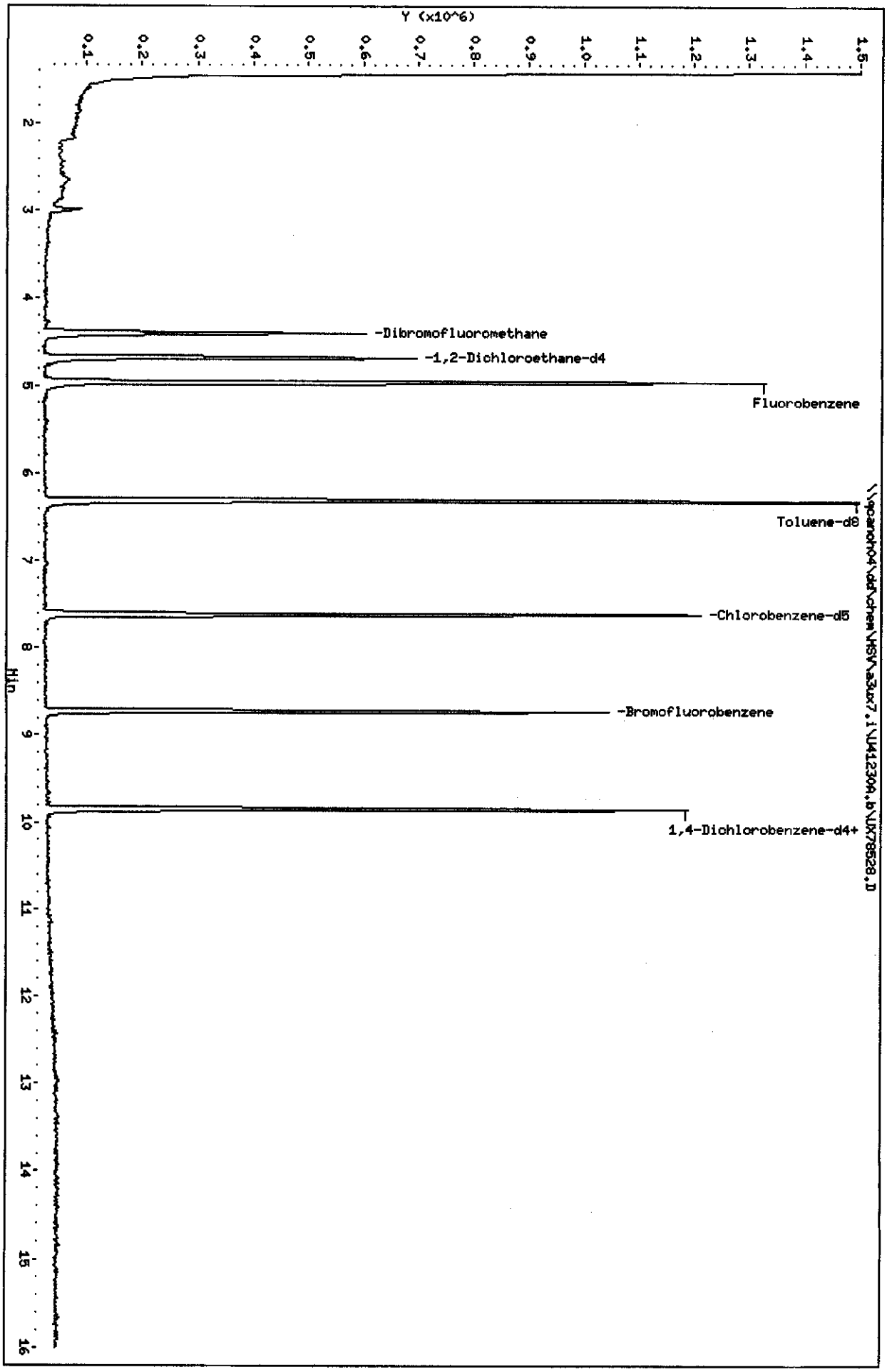
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.962	4.961	(1.000)	1248394	50.0000	
* 2 Chlorobenzene-d5	117	7.624	7.623	(1.000)	836489	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.849	9.848	(1.000)	345586	50.0000	
$ 4 Dibromofluoromethane	113	4.394	4.393	(0.886)	413840	57.6984	11.540
$ 5 1,2-Dichloroethane-d4	65	4.678	4.677	(0.943)	497529	58.7681	11.754
$ 6 Toluene-d8	98	6.311	6.310	(0.828)	1421077	52.5466	10.509
$ 7 Bromofluorobenzene	95	8.725	8.724	(1.144)	422413	45.5291	9.106
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78528.D
Report Date: 03-Jan-2005 15:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78528.D
Report Date: 03-Jan-2005 15:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	9.872	9.872	(1.002)	31741	2.36747	0.4735
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					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Date : 30-DEC-2004 18:27
Client ID: INFLOW/122004
Sample Info: G10HH1A0,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
Toluene-d8
-Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4+
\\qcanon04\dd\chem\HSV\a3ux7.i\U412304.b\UX78528.D
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78528.D

Date : 30-DEC-2004 18:27

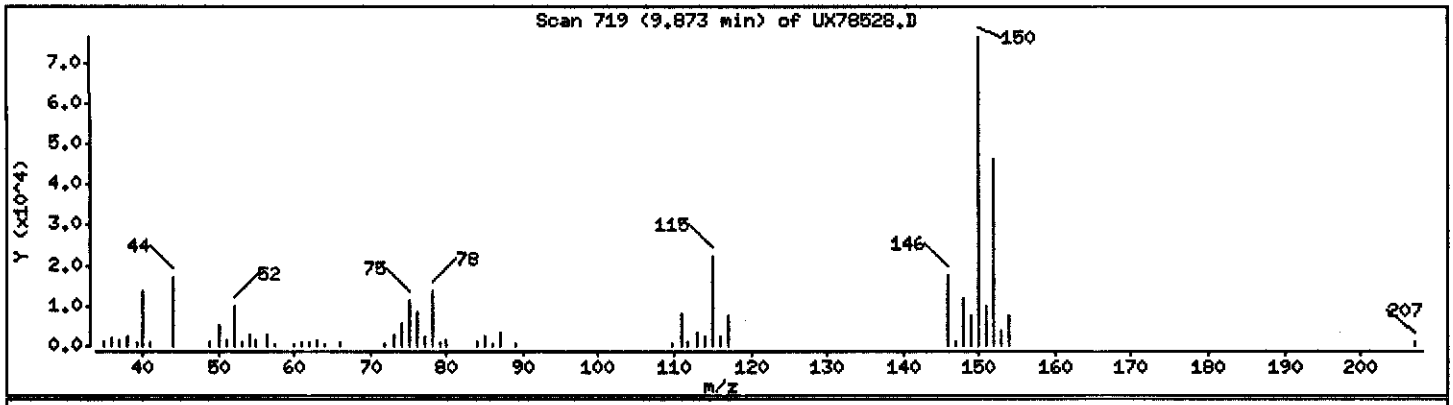
Client ID: INFLOW/122004 Instrument: a3ux7.i

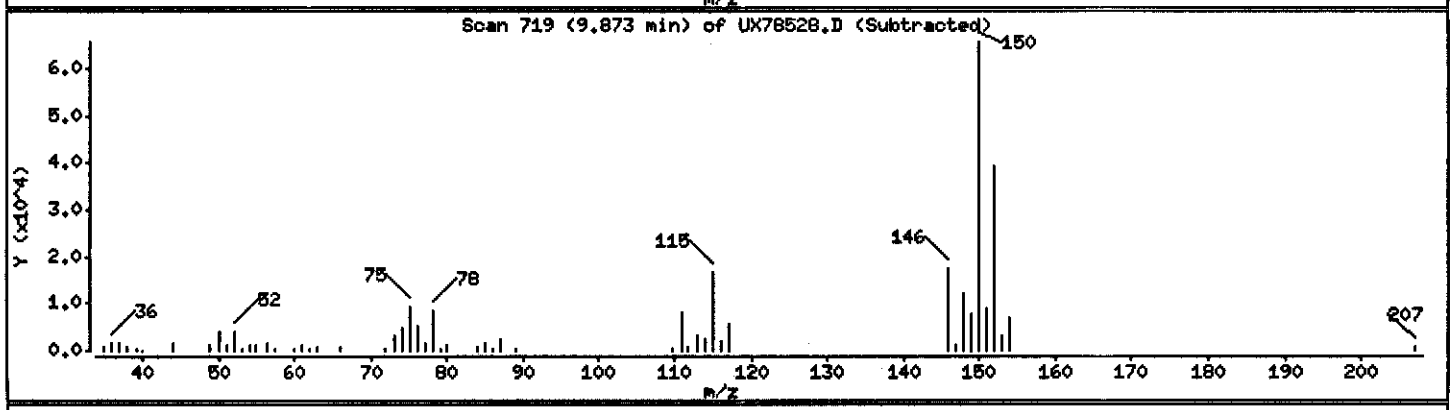
Sample Info: G1QMM1AA,5ML/5ML

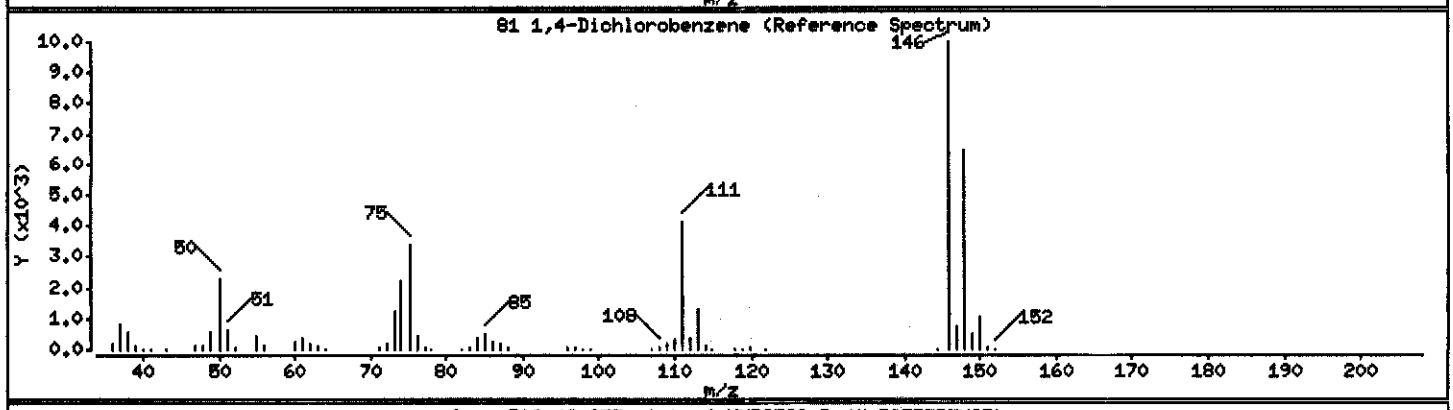
Purge Volume: 5.0 Operator: 1904

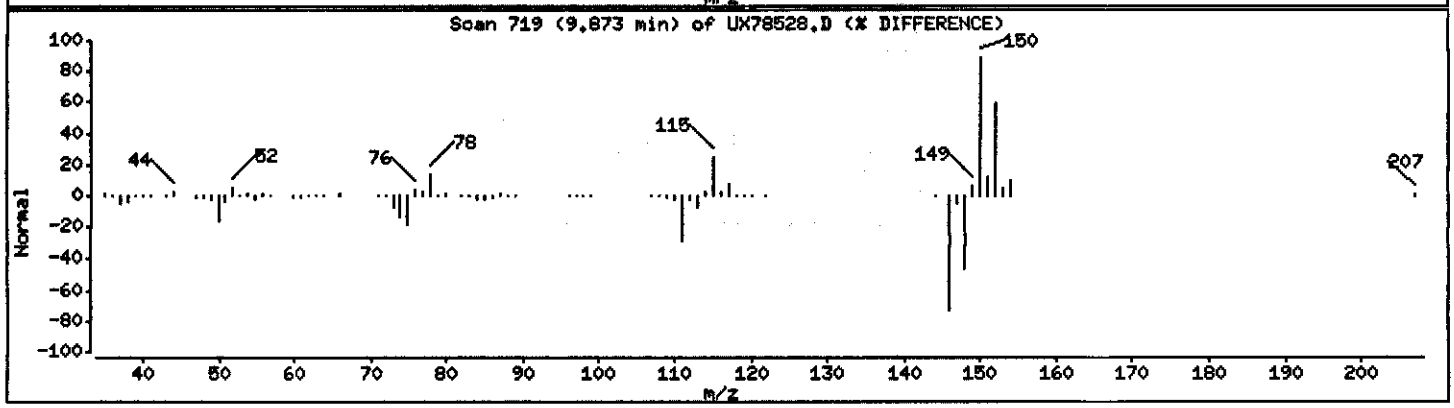
Column phase: DB624 20m Column diameter: 0.18

81 1,4-Dichlorobenzene Concentration: 0.4735 ug/L









PAYNE FIRM INC.

Client Sample ID: OUTFLOW/122004

GC/MS Volatiles

Lot-Sample #...: A4L230115-010 **Work Order #...:** G1QMN1AA **Matrix.....:** WG
Date Sampled...: 12/20/04 15:10 **Date Received..:** 12/23/04
Prep Date.....: 12/30/04 **Analysis Date..:** 12/30/04
Prep Batch #...: 5003269
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**0.83 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**0.22 J**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: OUTFLOW/122004

GC/MS Volatiles

Lot-Sample #...: A4L230115-010 **Work Order #...:** G1QMN1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.36 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	116	(73 - 122)
1,2-Dichloroethane-d4	116	(61 - 128)
Toluene-d8	105	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78529.D
Report Date: 03-Jan-2005 15:53

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78529.D
Lab Smp Id: G1QMN1AA Client Smp ID: OUTFLOW/122004
Inj Date : 30-DEC-2004 18:49
Operator : 1904 Inst ID: a3ux7.i
Smp Info : G1QMN1AA,5ML/5ML
Misc Info : U41230A,N8260UX7-3,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m
Meth Date : 03-Jan-2005 15:41 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

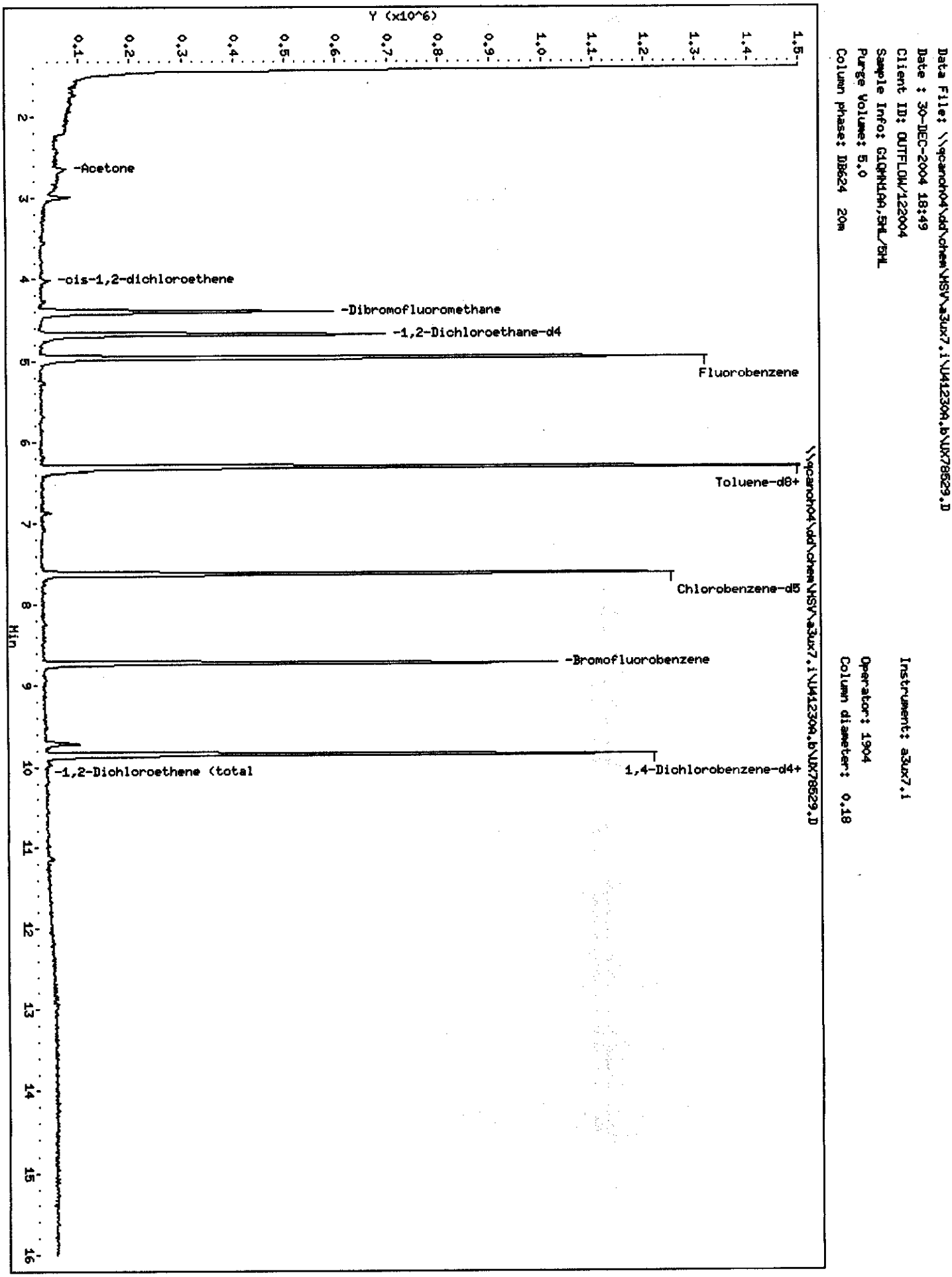
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.961	4.961	(1.000)	1252767	50.0000	
* 2 Chlorobenzene-d5	117	7.623	7.623	(1.000)	824165	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.848	9.848	(1.000)	362166	50.0000	
$ 4 Dibromofluoromethane	113	4.393	4.393	(0.886)	416966	57.9313	11.586
$ 5 1,2-Dichloroethane-d4	65	4.677	4.677	(0.943)	491719	57.8791	11.576
$ 6 Toluene-d8	98	6.310	6.310	(0.828)	1395178	52.3603	10.472
$ 7 Bromofluorobenzene	95	8.724	8.724	(1.144)	411708	45.0388	9.008
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.642	2.642	(0.533)	45731	4.13148	0.8263
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78529.D
Report Date: 03-Jan-2005 15:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				9678	1.10578	0.2212
	32 cis-1,2-dichloroethene	96	4.014	4.014	(0.809)	9678	1.10578	0.2212
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.369	6.369	(0.835)	58180	1.80258	0.3605
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78529.D
Report Date: 03-Jan-2005 15:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	9.872	9.872	(1.002)	24470	1.74159	0.3483
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					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Date : 30-DEC-2004 18:49
Client ID: OUTFLOW/122004
Sample Info: G1QMN1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Acetone
-cis-1,2-dichloroethene
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
Toluene-d8+
Chlorobenzene-d5
-Bromofluorobenzene
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
\\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78529.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78529.D

Date : 30-DEC-2004 18:49

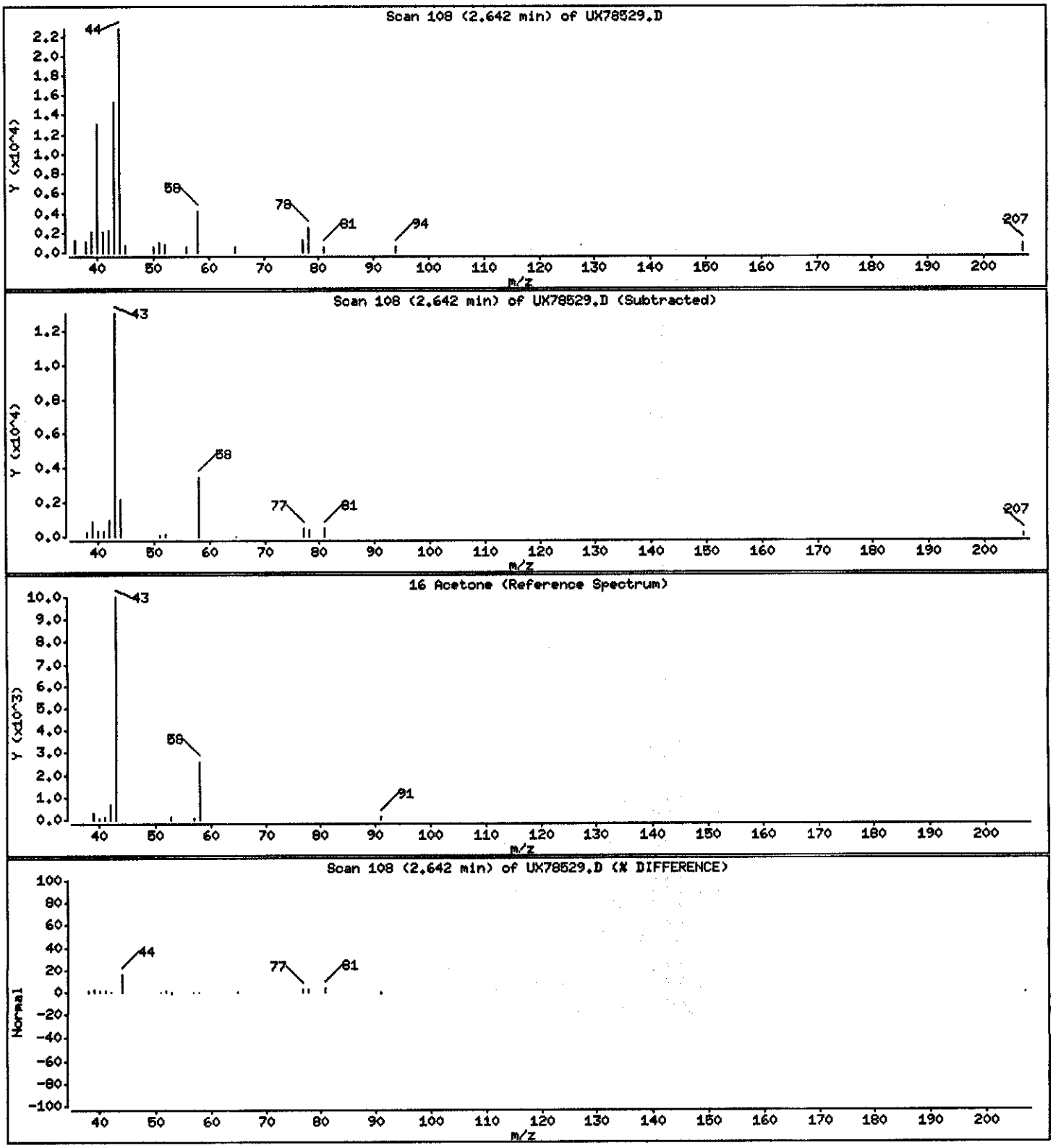
Client ID: OUTFLOW/122004 Instrument: a3ux7.i

Sample Info: G1QMN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 0.8263 ug/L



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Date : 30-DEC-2004 18:49

Client ID: OUTFLOW/122004

Instrument: a3ux7.i

Sample Info: G1QMN1AA,5ML/5ML

Purge Volume: 5.0

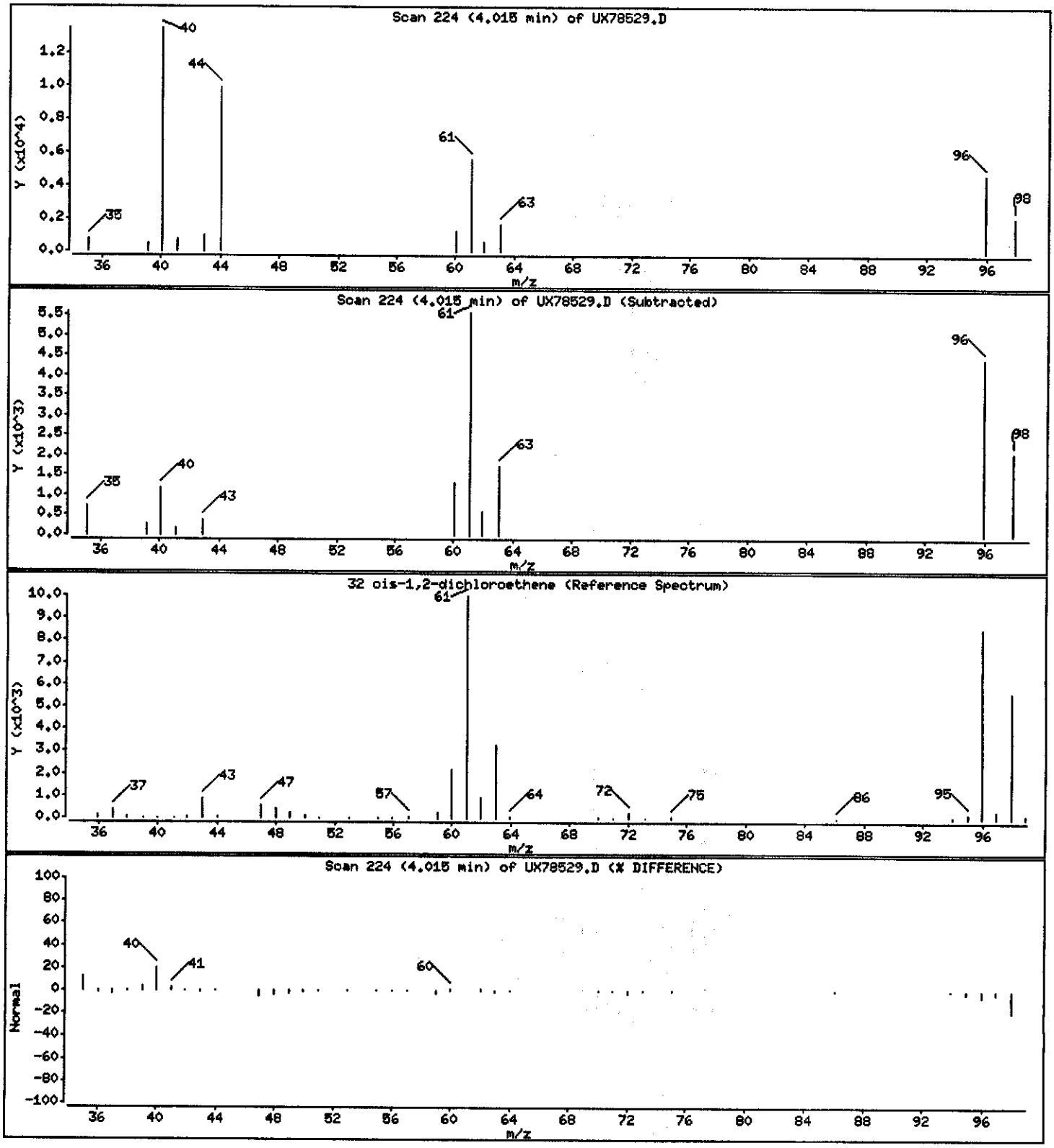
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

32 cis-1,2-dichloroethene

Concentration: 0.2212 ug/L



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Date : 30-DEC-2004 18:49

Client ID: OUTFLOW/122004

Instrument: a3ux7.i

Sample Info: G1QMN1AA,5ML/5ML

Purge Volume: 5.0

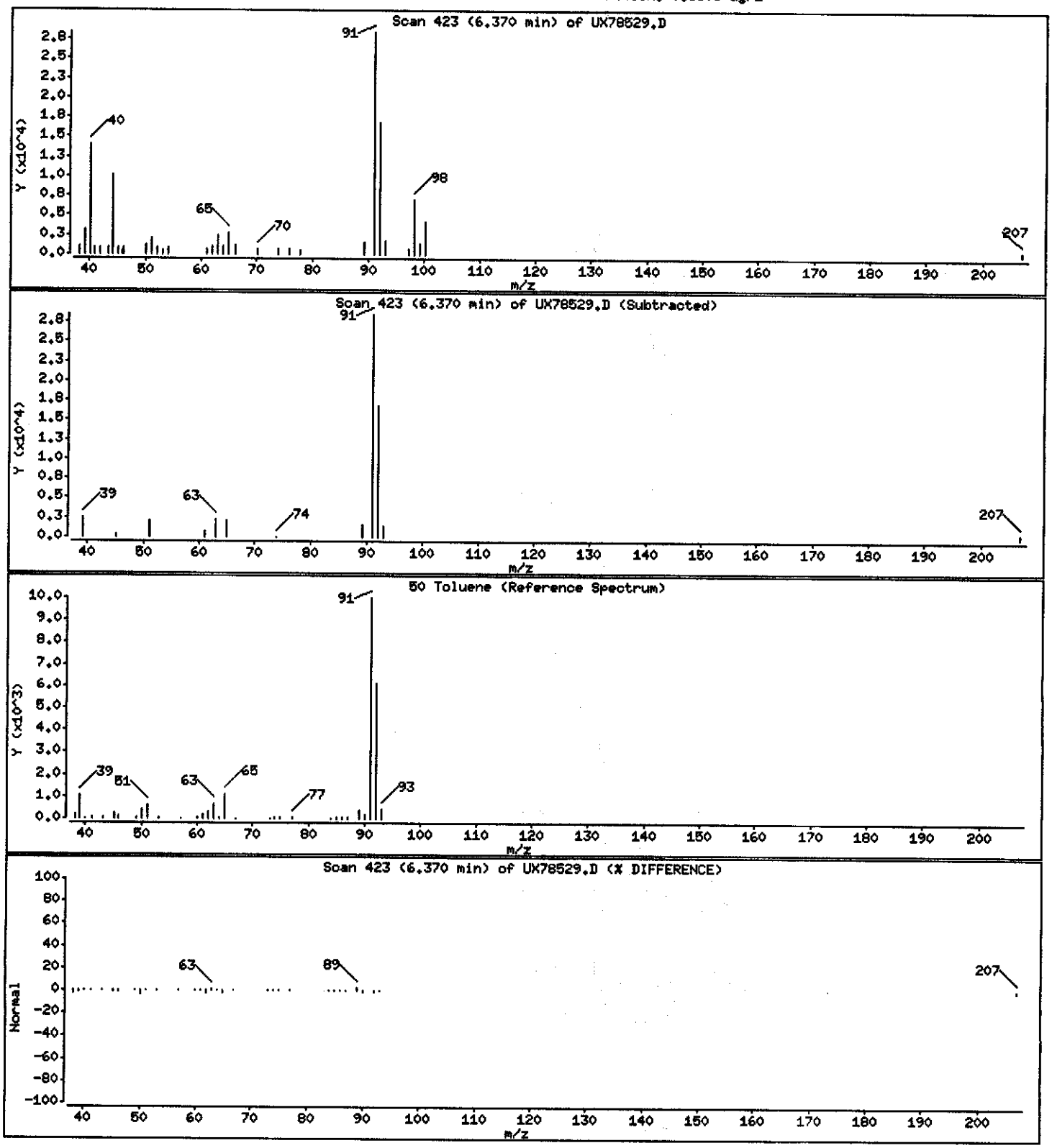
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

50 Toluene

Concentration: 0.3605 ug/L



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Date : 30-DEC-2004 18:49

Client ID: OUTFLOW/122004

Instrument: a3ux7.i

Sample Info: G1QMN1AA,5ML/5ML

Purge Volume: 5.0

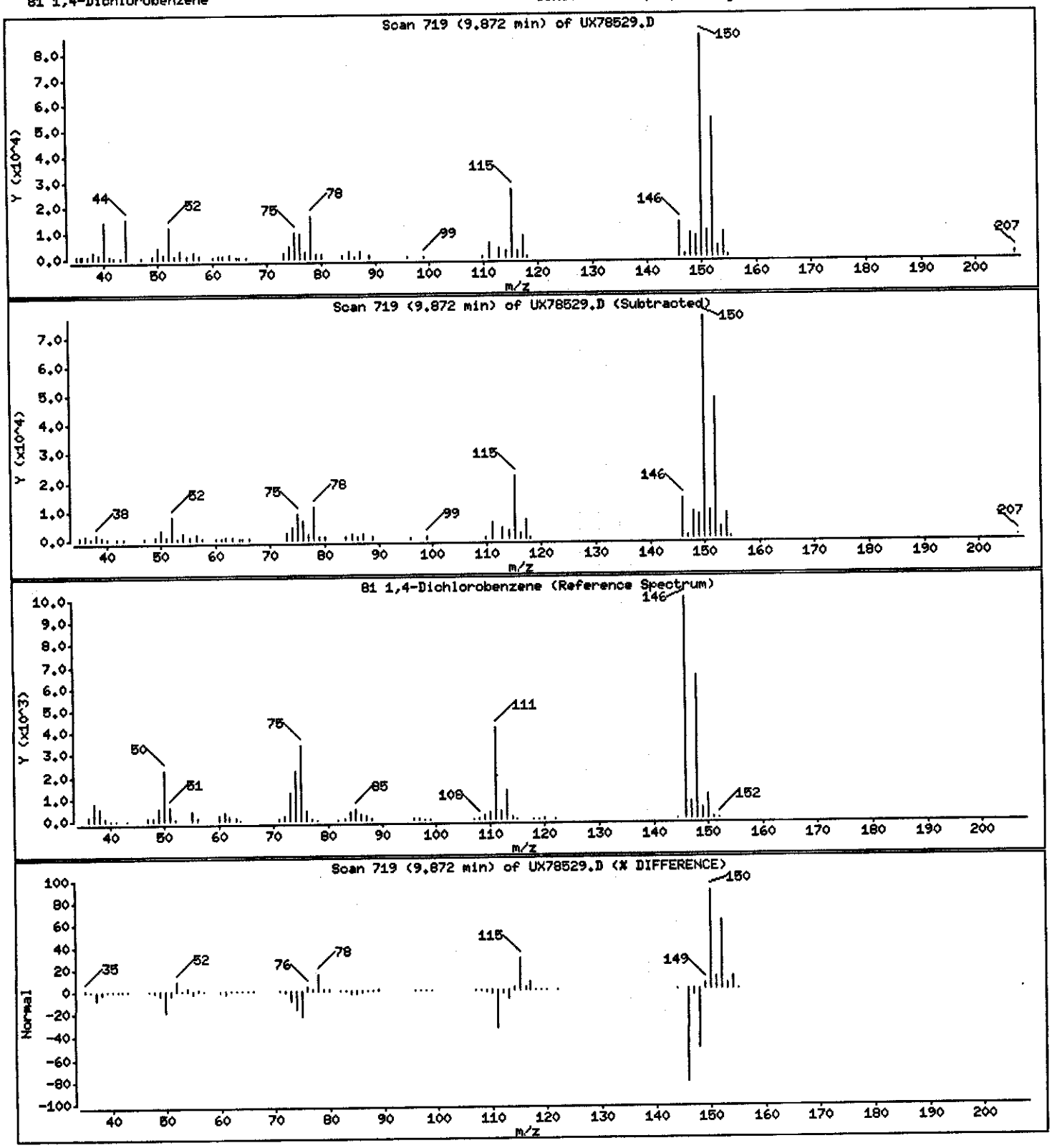
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

81 1,4-Dichlorobenzene

Concentration: 0.3483 ug/L



PAYNE FIRM INC.

Client Sample ID: DUP 01/122204

GC/MS Volatiles

Lot-Sample #...: A4L230115-011 **Work Order #...:** G1QMP1AA **Matrix.....:** WG
Date Sampled...: 12/22/04 **Date Received..:** 12/23/04
Prep Date.....: 12/30/04 **Analysis Date..:** 12/30/04
Prep Batch #...: 5003269
Dilution Factor: 6.67 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	67	ug/L
Acetonitrile	ND	130	ug/L
Acrolein	ND	130	ug/L
Acrylonitrile	ND	130	ug/L
Benzene	**9.1**	**6.7**	**ug/L**
Bromodichloromethane	ND	6.7	ug/L
Bromoform	ND	6.7	ug/L
Bromomethane	ND	6.7	ug/L
2-Butanone	ND	67	ug/L
Carbon disulfide	ND	6.7	ug/L
Carbon tetrachloride	ND	6.7	ug/L
Chlorobenzene	ND	6.7	ug/L
Chloroprene	ND	13	ug/L
Dibromochloromethane	ND	6.7	ug/L
Chloroethane	ND	6.7	ug/L
Chloroform	ND	6.7	ug/L
Chloromethane	ND	6.7	ug/L
3-Chloropropene	ND	13	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	13	ug/L
1,2-Dibromoethane	ND	6.7	ug/L
Dibromomethane	ND	6.7	ug/L
trans-1,4-Dichloro-2-butene	ND	6.7	ug/L
1,1-Dichloroethane	**2.2 J**	**6.7**	**ug/L**
1,2-Dichloroethane	**21**	**6.7**	**ug/L**
cis-1,2-Dichloroethene	**170**	**6.7**	**ug/L**
trans-1,2-Dichloroethene	**5.5 J**	**6.7**	**ug/L**
1,1-Dichloroethene	ND	6.7	ug/L
1,2-Dichloroethene (total)	**180**	**13**	**ug/L**
Dichlorofluoromethane	ND	13	ug/L
1,2-Dichloropropane	ND	6.7	ug/L
cis-1,3-Dichloropropene	ND	6.7	ug/L
trans-1,3-Dichloropropene	ND	6.7	ug/L
1,4-Dioxane	**4600**	**330**	**ug/L**
Ethylbenzene	ND	6.7	ug/L
Ethyl methacrylate	ND	6.7	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DUP 01/122204

GC/MS Volatiles

Lot-Sample #...: A4L230115-011 **Work Order #...:** G1QMP1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	67	ug/L
Iodomethane	ND	6.7	ug/L
Isobutanol	ND	330	ug/L
Methacrylonitrile	ND	13	ug/L
Methylene chloride	**2.8 J,B**	**6.7**	**ug/L**
Methyl methacrylate	ND	13	ug/L
4-Methyl-2-pentanone	ND	67	ug/L
Propionitrile	ND	27	ug/L
Styrene	ND	6.7	ug/L
1,1,1,2-Tetrachloroethane	ND	6.7	ug/L
1,1,2,2-Tetrachloroethane	ND	6.7	ug/L
Tetrachloroethene	ND	6.7	ug/L
Toluene	ND	6.7	ug/L
1,1,1-Trichloroethane	ND	6.7	ug/L
1,1,2-Trichloroethane	ND	6.7	ug/L
Trichloroethene	**31**	**6.7**	**ug/L**
Trichlorofluoromethane	ND	6.7	ug/L
1,2,3-Trichloropropane	ND	6.7	ug/L
Vinyl acetate	ND	13	ug/L
Vinyl chloride	**43**	**6.7**	**ug/L**
Xylenes (total)	ND	13	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(73 - 122)
1,2-Dichloroethane-d4	114	(61 - 128)
Toluene-d8	106	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78517.D
Report Date: 03-Jan-2005 15:44

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78517.D
Lab Smp Id: G1QMP1AA Client Smp ID: DUP 01/122204
Inj Date : 30-DEC-2004 14:17
Operator : 1904 Inst ID: a3ux7.i
Smp Info : G1QMP1AA,0.75ML/5ML
Misc Info : U41230A,N8260UX7-3,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m
Meth Date : 03-Jan-2005 15:41 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.750	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.962	4.961	(1.000)	1414332	50.0000	
* 2 Chlorobenzene-d5	117	7.625	7.623	(1.000)	912068	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.849	9.848	(1.000)	388865	50.0000	
$ 4 Dibromofluoromethane	113	4.394	4.393	(0.886)	447739	55.1006	73.468
$ 5 1,2-Dichloroethane-d4	65	4.678	4.677	(0.943)	548683	57.2065	76.275
$ 6 Toluene-d8	98	6.311	6.310	(0.828)	1567898	53.1713	70.895
$ 7 Bromofluorobenzene	95	8.725	8.724	(1.144)	463228	45.7909	61.054
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.673	1.672	(0.337)	280991	32.5664	43.422
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78517.D
Report Date: 03-Jan-2005 15:44

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	2.986	2.985	(0.602)	45112	2.13412	2.845
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	3.223	3.222	(0.650)	354070	14.6959	19.594
	25 trans-1,2-Dichloroethene	96	3.211	3.222	(0.647)	39124	4.10302	5.471
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.542	3.553	(0.714)	26336	1.67618	2.235
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				1316240	133.354	177.80
	32 cis-1,2-dichloroethene	96	4.016	4.014	(0.809)	1277116	129.251	172.33
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.264	4.263	(0.859)	23097	7.66213	10.216
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	4.738	4.736	(0.955)	181542	16.0147	21.353
	41 Benzene	78	4.738	4.736	(0.955)	259674	6.83764	9.117
	42 Trichloroethene	130	5.270	5.269	(1.062)	240814	23.1341	30.845
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.578	5.576	(1.124)	239658	3468.73	4625.0(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78517.D
Report Date: 03-Jan-2005 15:44

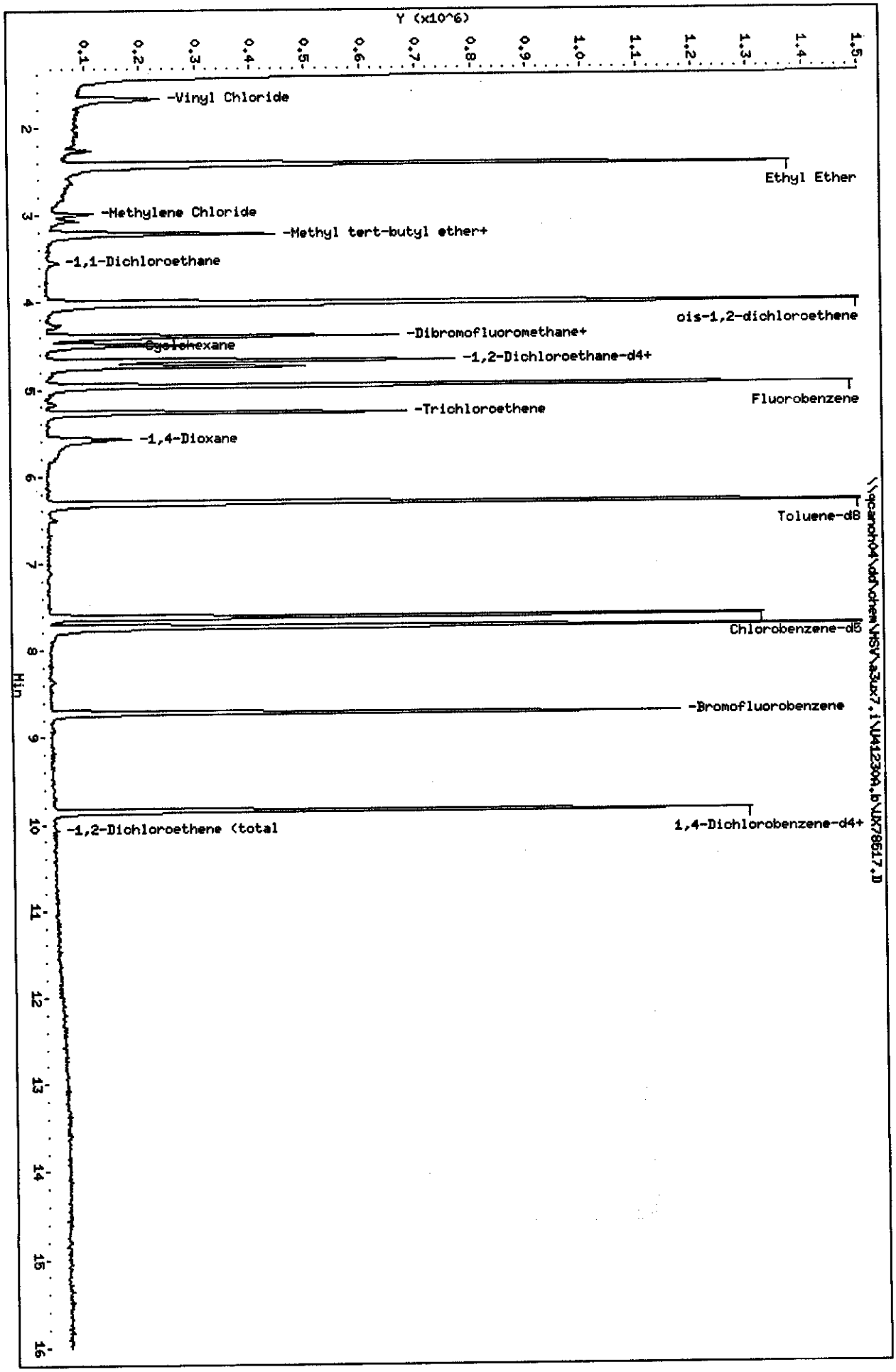
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	9.873	9.872	(1.002)	22457	1.48858	1.985
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.418	2.417	(0.487)	1015656	161.682	215.58
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.501	4.500	(0.907)	149410	10.0096	13.346
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\UA41230A.b\UX78617.D
Date : 30-DEC-2004 14:17
Client ID: DUP 01/122204
Sample Info: G1QHP1AA,0.75ML/5ML
Purge Volume: 0.8
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18



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Date : 30-DEC-2004 14:17

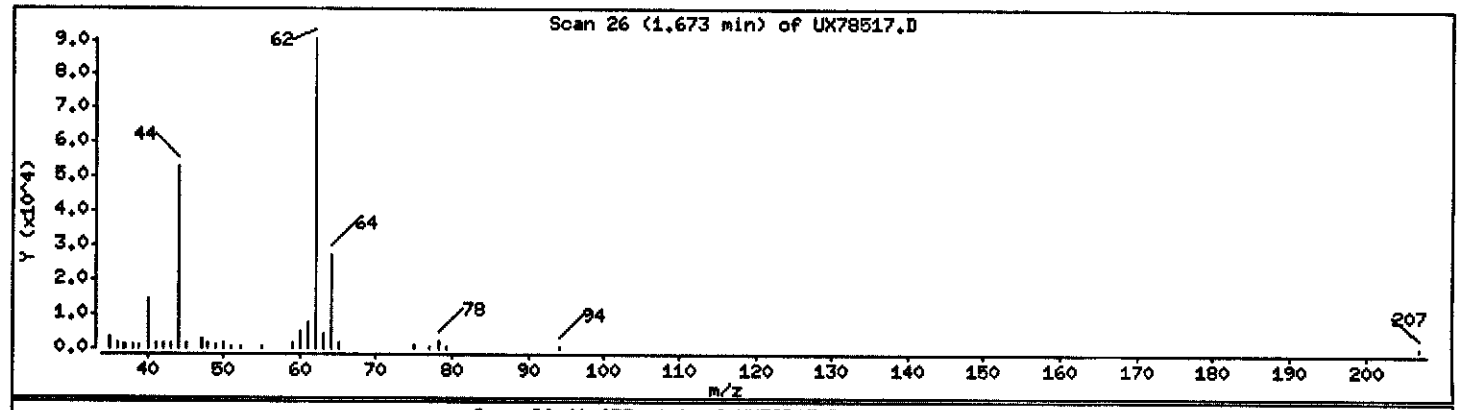
Client ID: DUP 01/122204 Instrument: a3ux7.i

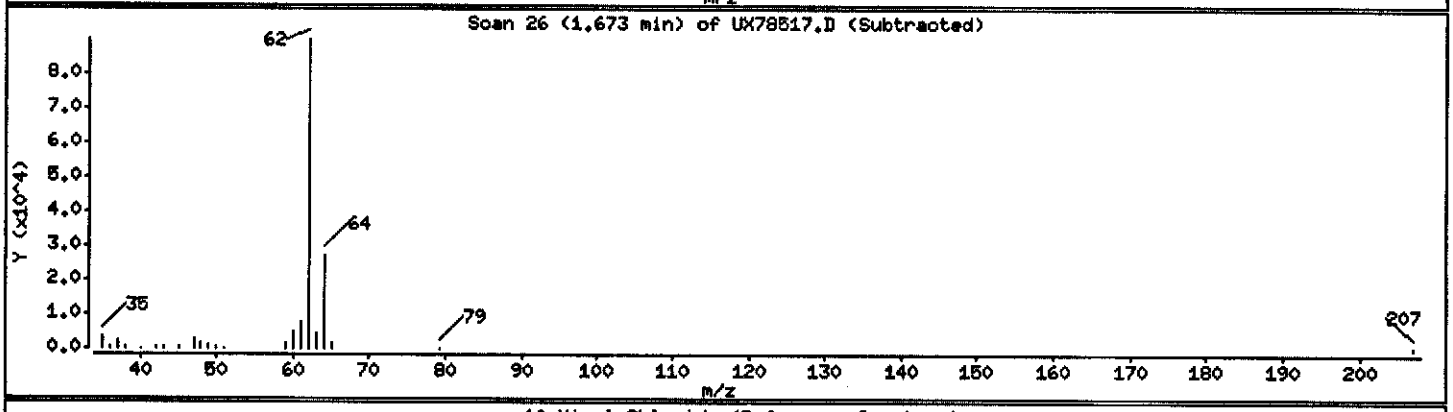
Sample Info: G1QMP1AA,0.75ML/5ML

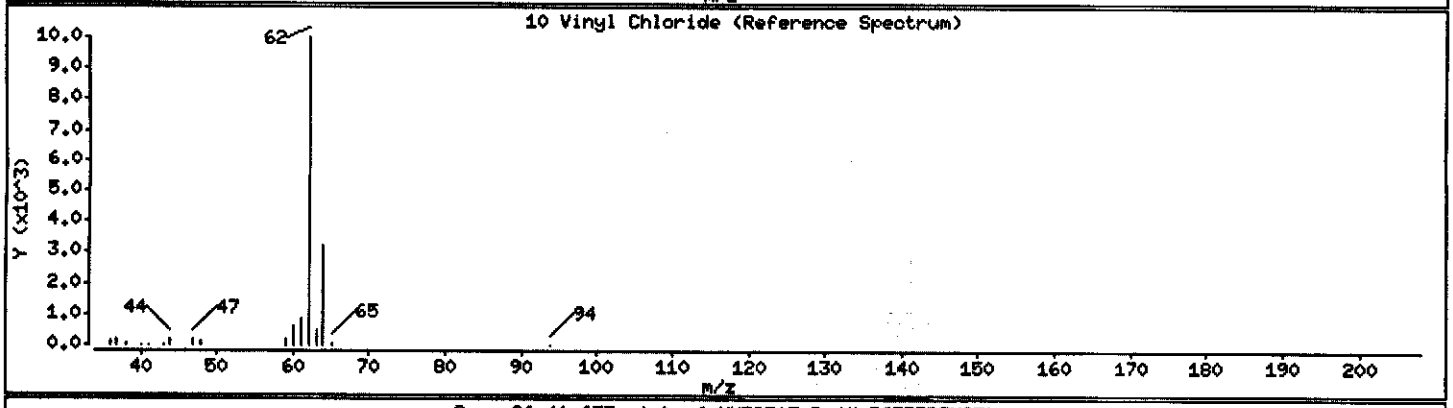
Purge Volume: 0.8 Operator: 1904

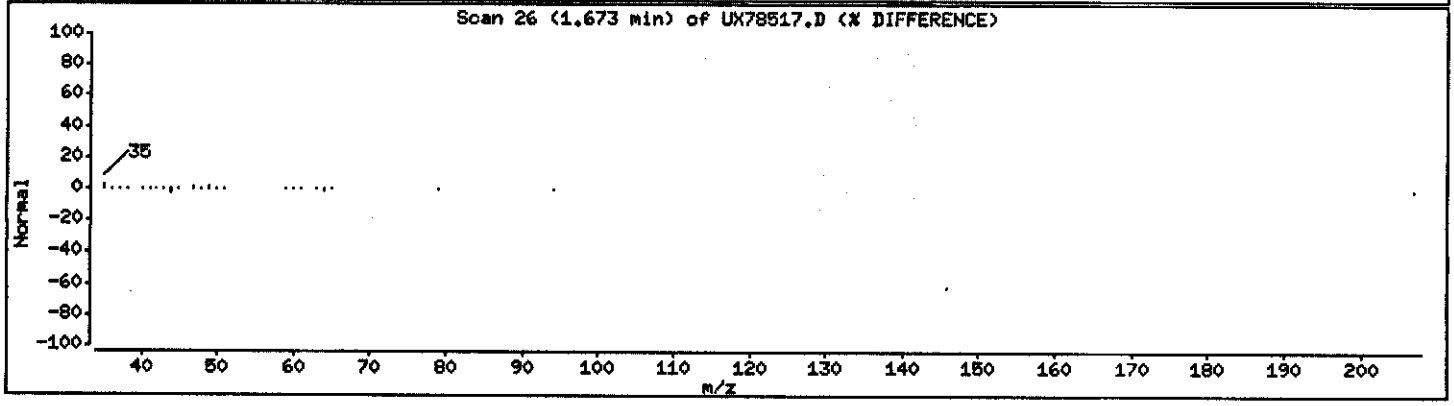
Column phase: DB624 20m Column diameter: 0.18

10 Vinyl Chloride Concentration: 43.422 ug/L









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Date : 30-DEC-2004 14:17

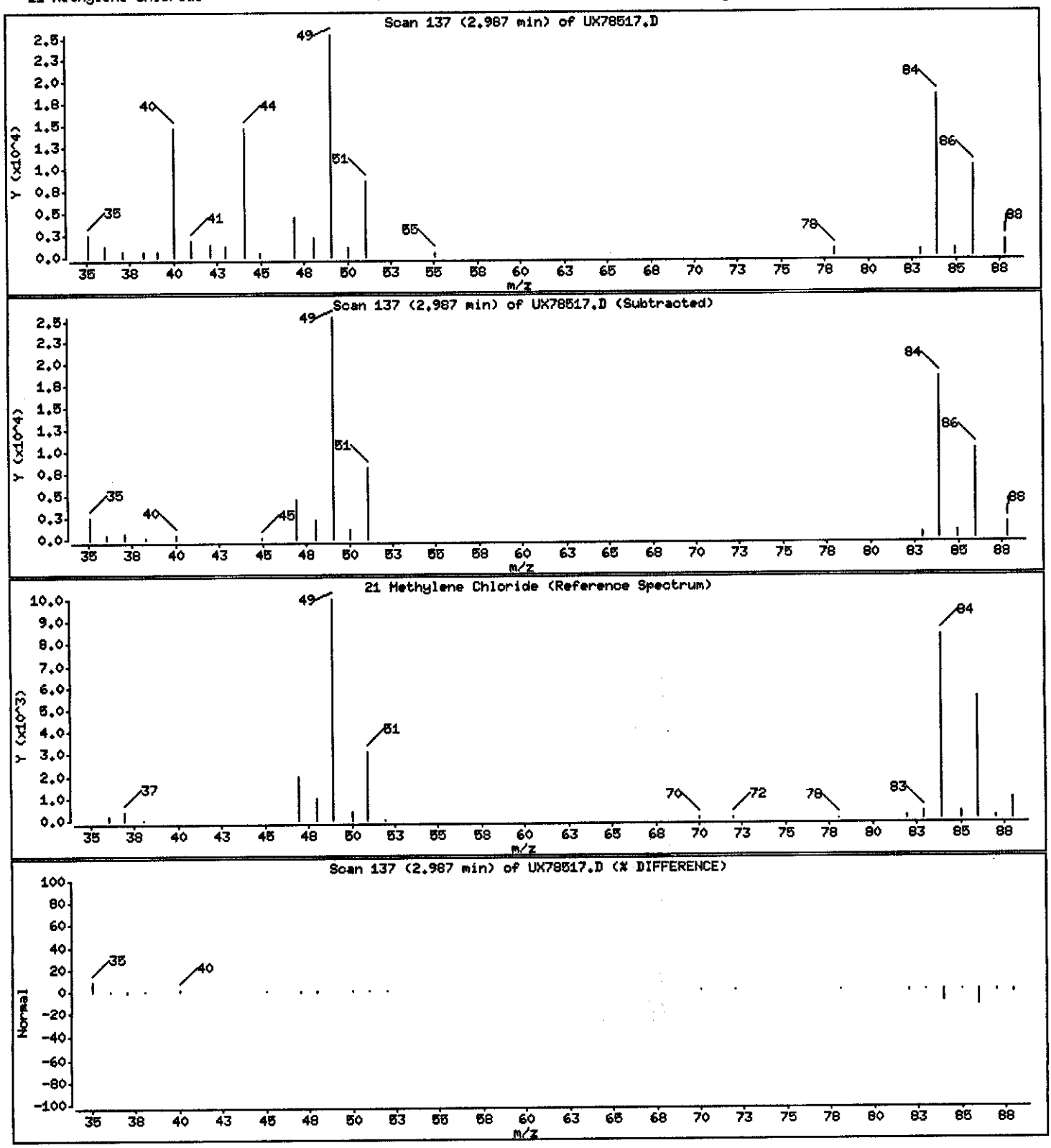
Client ID: DUP 01/122204 Instrument: a3ux7.i

Sample Info: G1QMP1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

21 Methylene Chloride Concentration: 2.845 ug/L



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Date : 30-DEC-2004 14:17

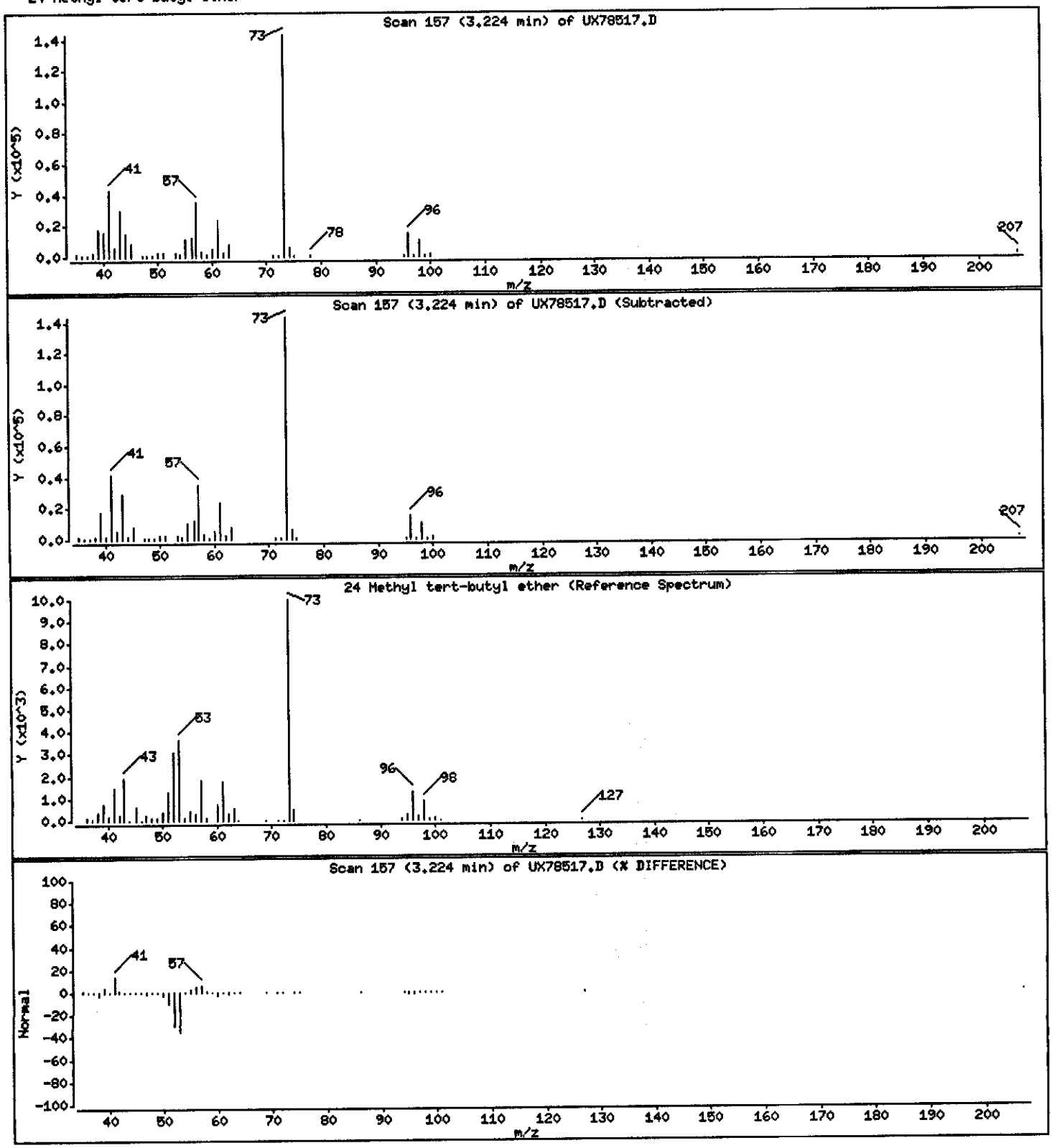
Client ID: DUP 01/122204 Instrument: a3ux7.i

Sample Info: G1QMP1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

24 Methyl tert-butyl ether Concentration: 19.594 ug/L



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Date : 30-DEC-2004 14:17

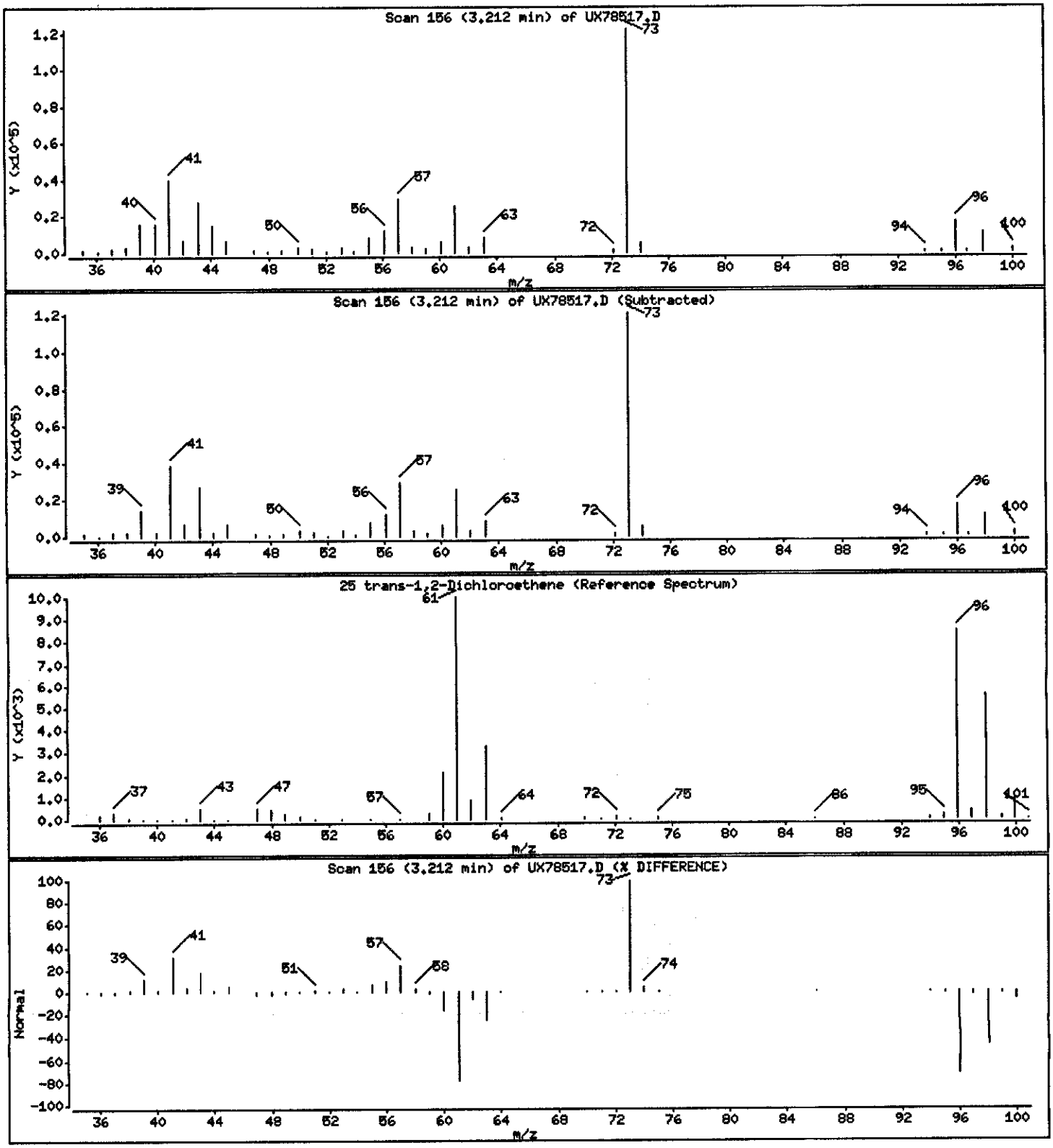
Client ID: DUP 01/122204 Instrument: a3ux7.i

Sample Info: G1QMP1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

25 trans-1,2-Dichloroethene Concentration: 5.471 ug/L



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Date : 30-DEC-2004 14:17

Client ID: DUP 01/122204

Instrument: a3ux7.i

Sample Info: G1QMP1AA,0.75ML/5ML

Purge Volume: 0.8

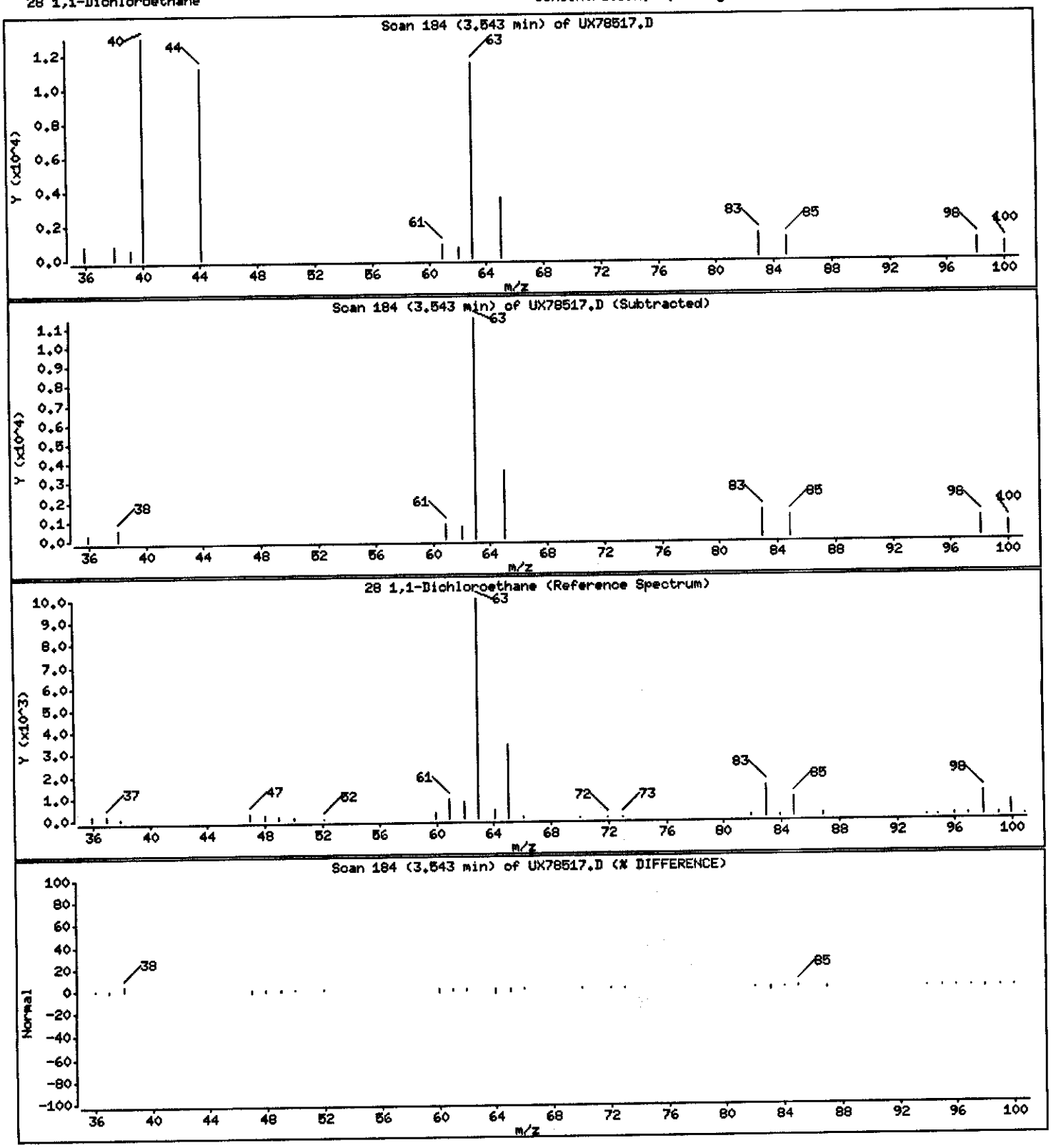
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

28 1,1-Dichloroethane

Concentration: 2.235 ug/L



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Date : 30-DEC-2004 14:17

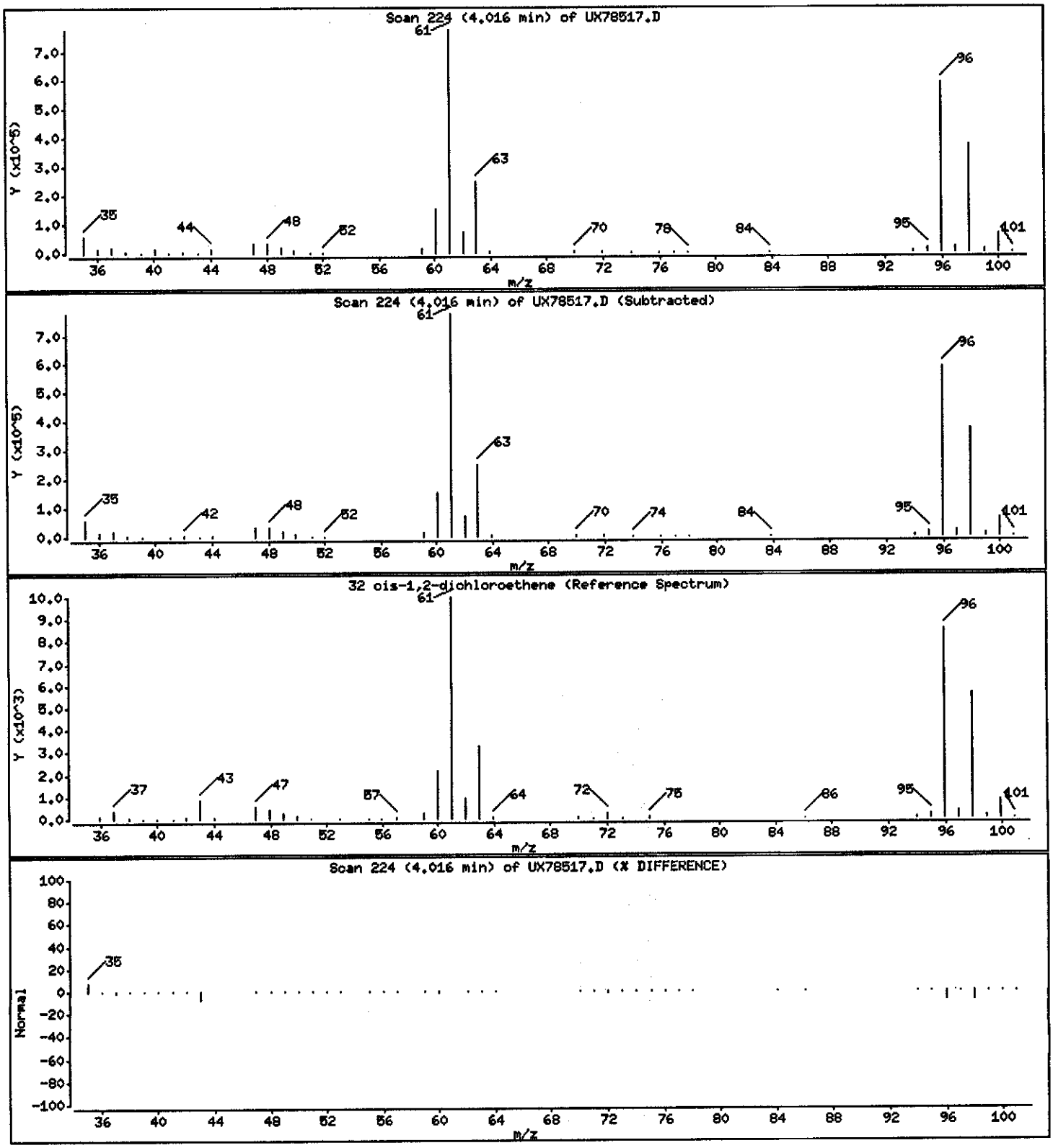
Client ID: DUP 01/122204 Instrument: a3ux7.i

Sample Info: G1QMP1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 172.33 ug/L



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Date : 30-DEC-2004 14:17

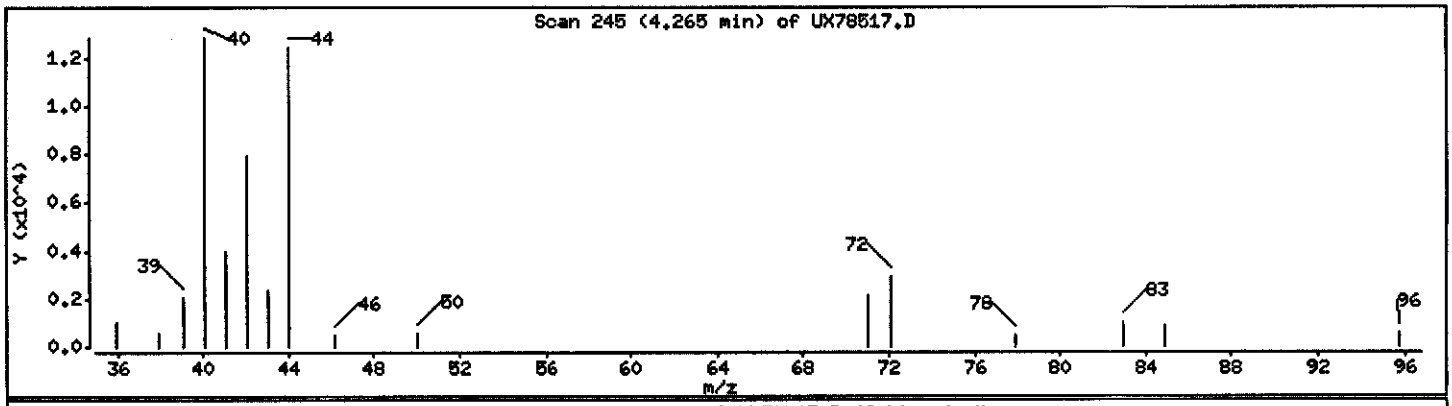
Client ID: DUP 01/122204 Instrument: a3ux7.i

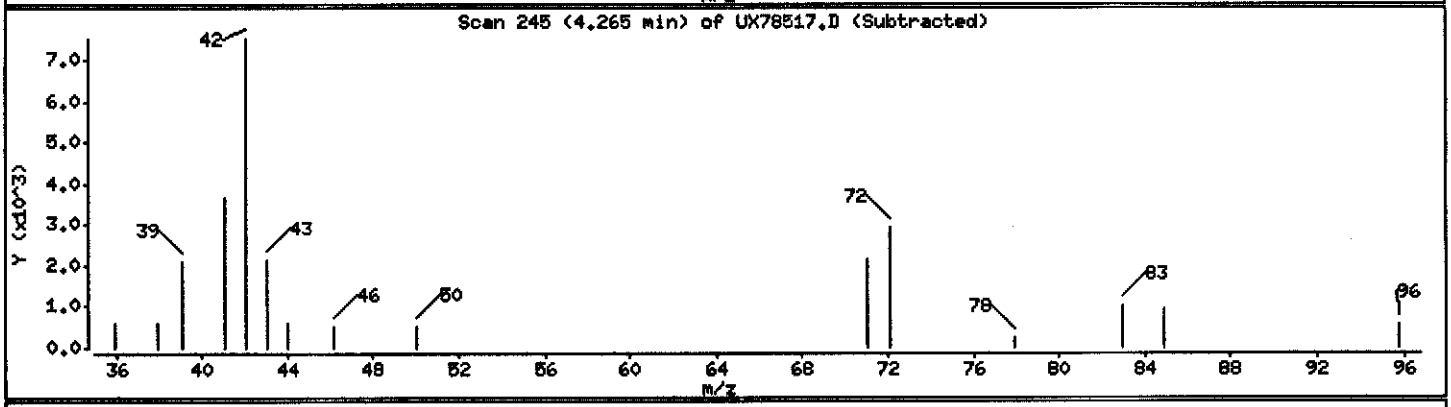
Sample Info: G1QMP1AA,0.75ML/5ML

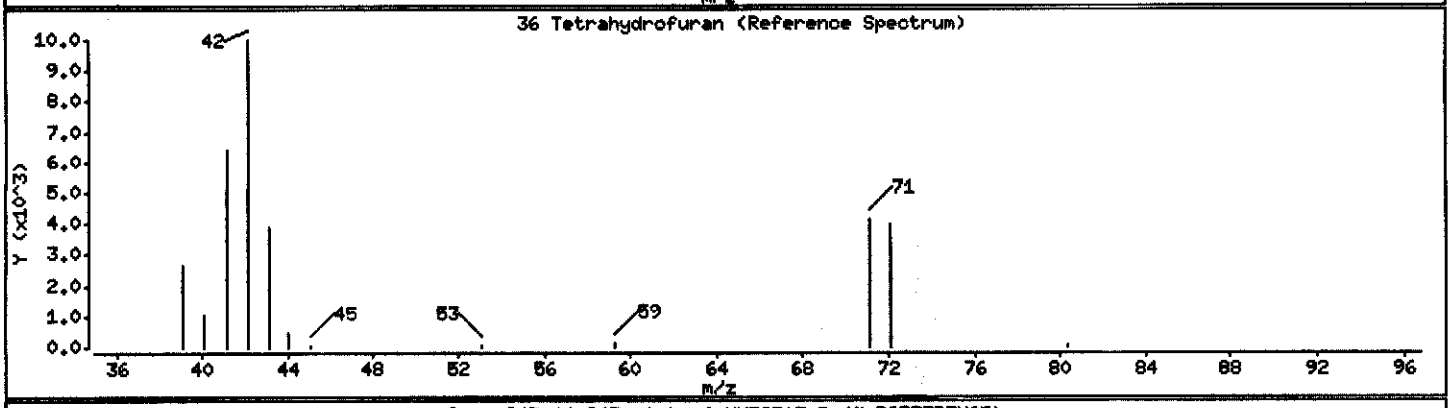
Purge Volume: 0.8 Operator: 1904

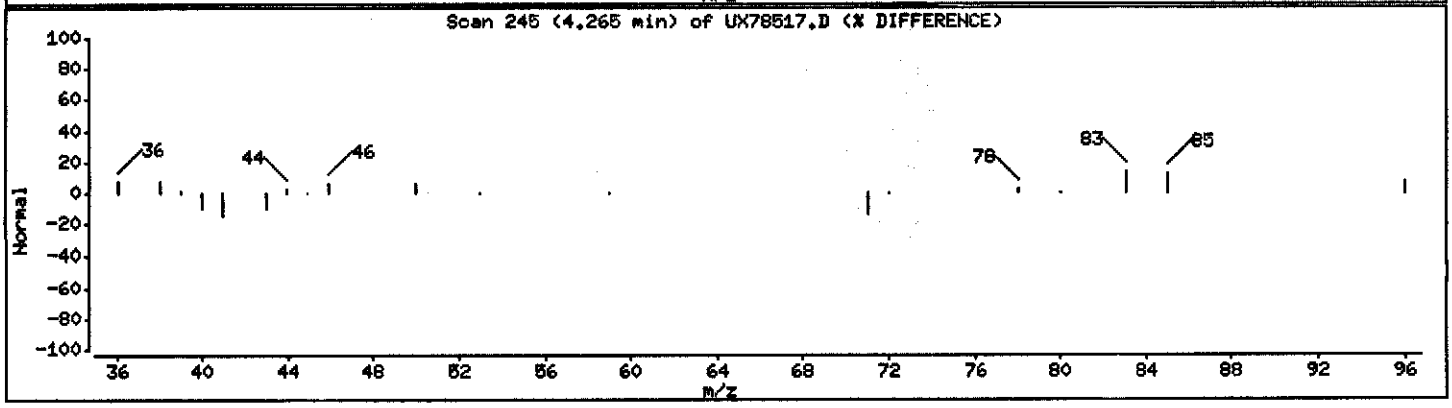
Column phase: DB624 20m Column diameter: 0.18

36 Tetrahydrofuran Concentration: 10.216 ug/L









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Date : 30-DEC-2004 14:17

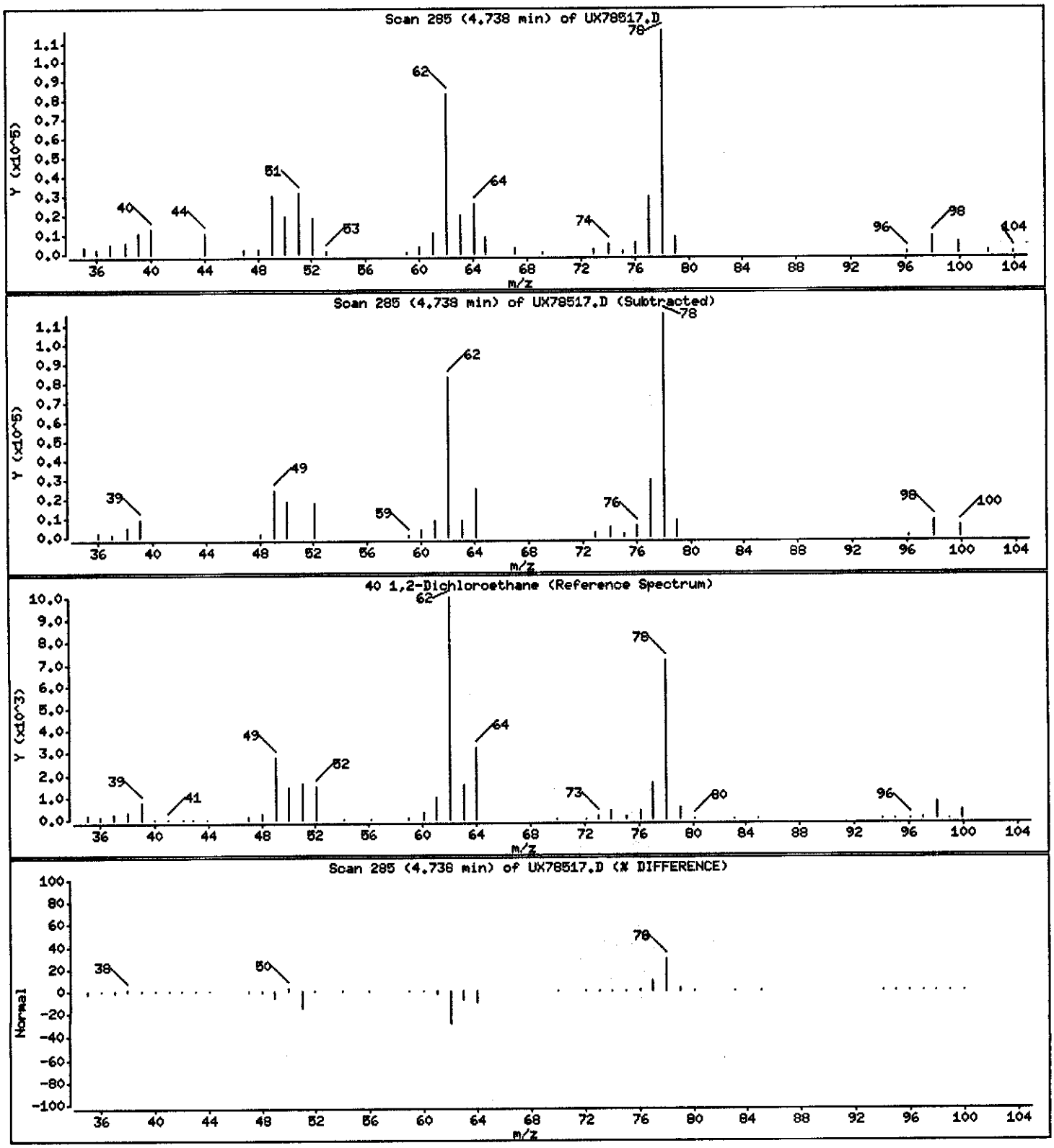
Client ID: DUP 01/122204 Instrument: a3ux7.i

Sample Info: G1QMP1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 21.353 ug/L



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Date : 30-DEC-2004 14:17

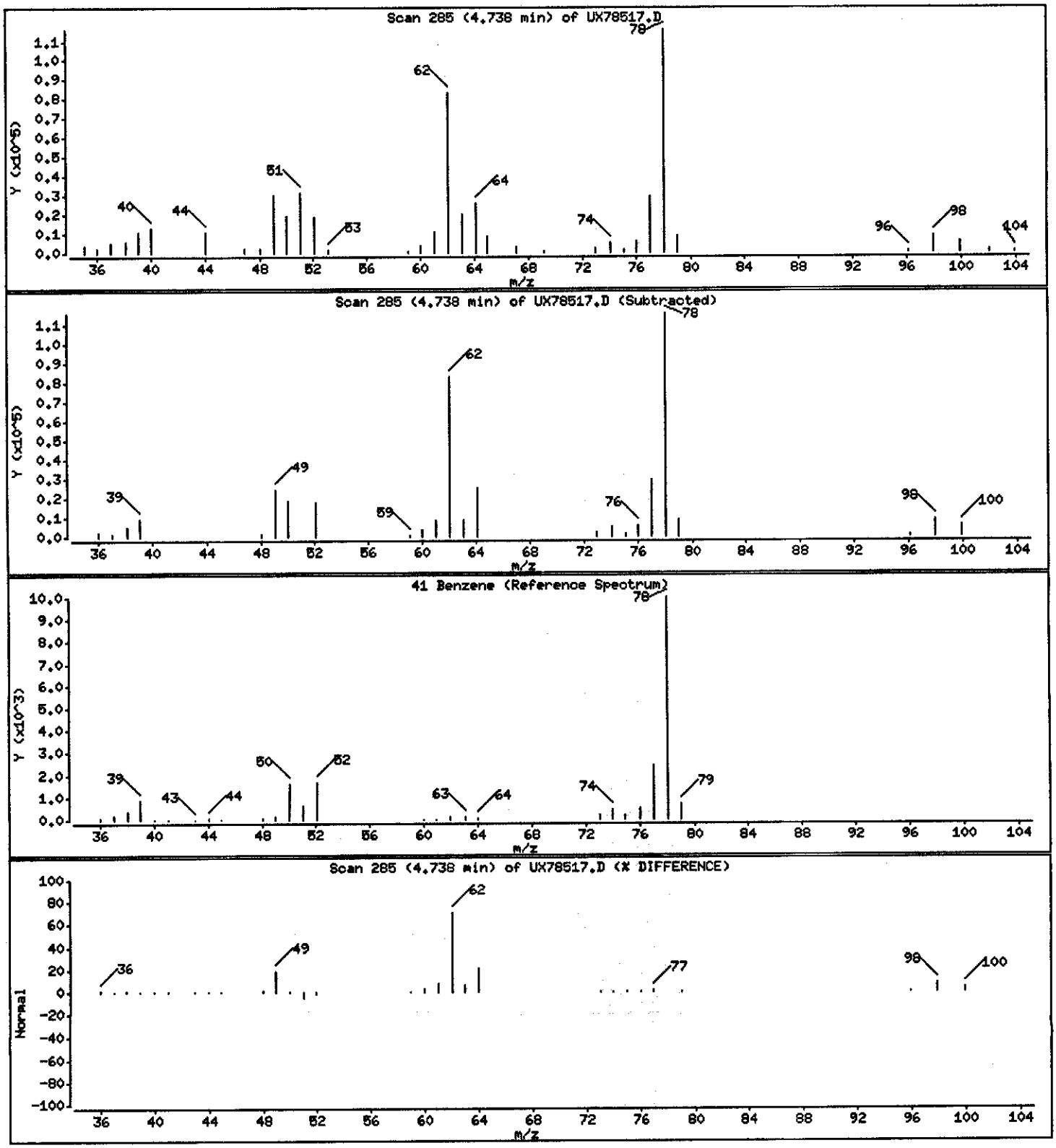
Client ID: DUP 01/122204 Instrument: a3ux7.i

Sample Info: G1QMP1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

41 Benzene Concentration: 9.117 ug/L



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Date : 30-DEC-2004 14:17

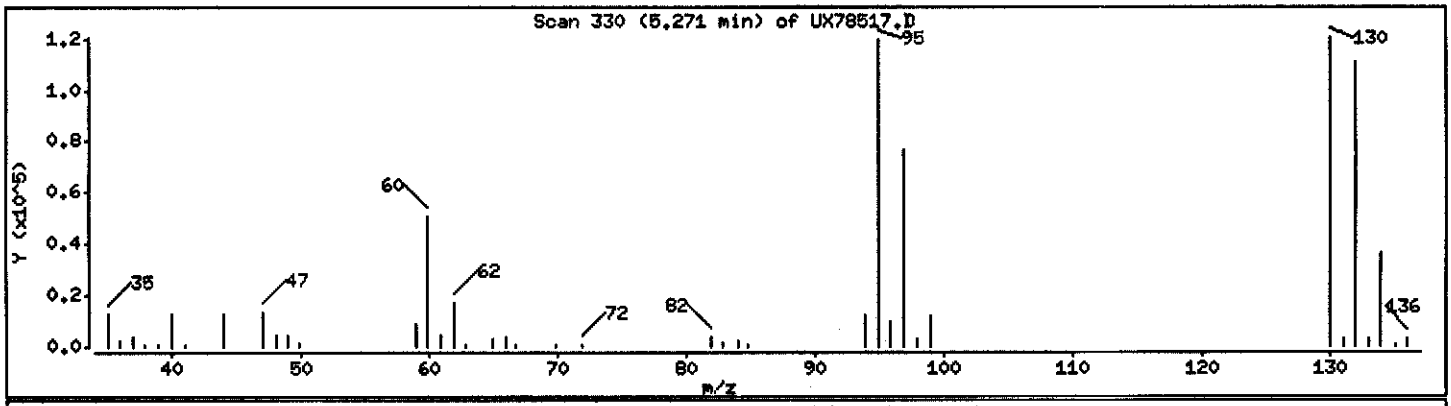
Client ID: DUP 01/122204 Instrument: a3ux7.i

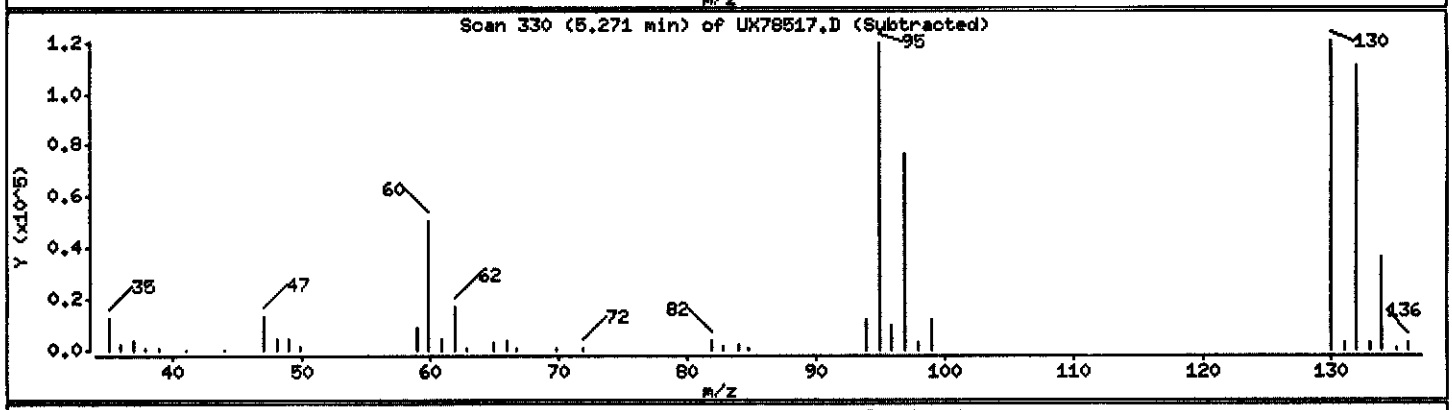
Sample Info: G1QMP1AA,0.75ML/5ML

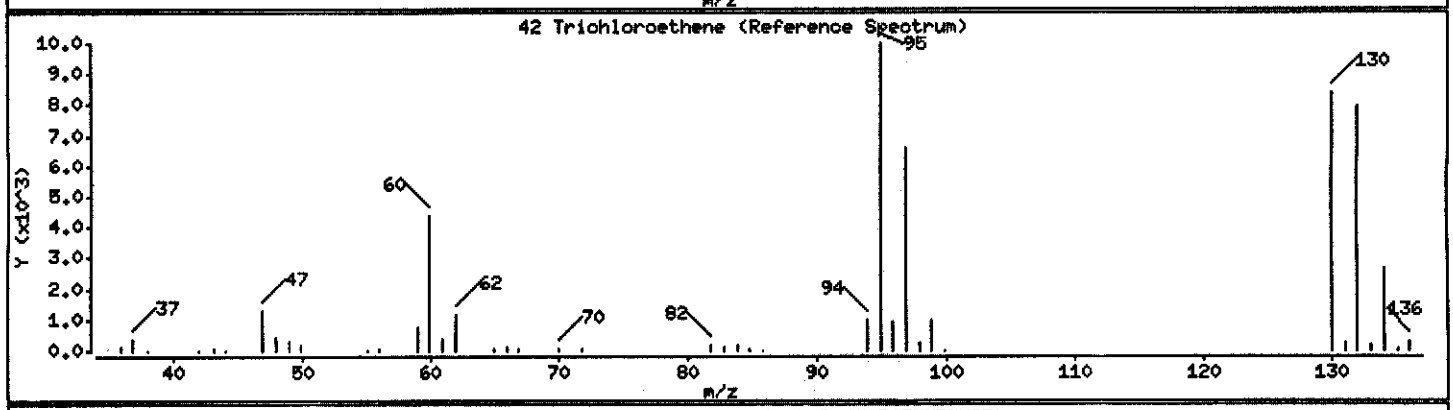
Purge Volume: 0.8 Operator: 1904

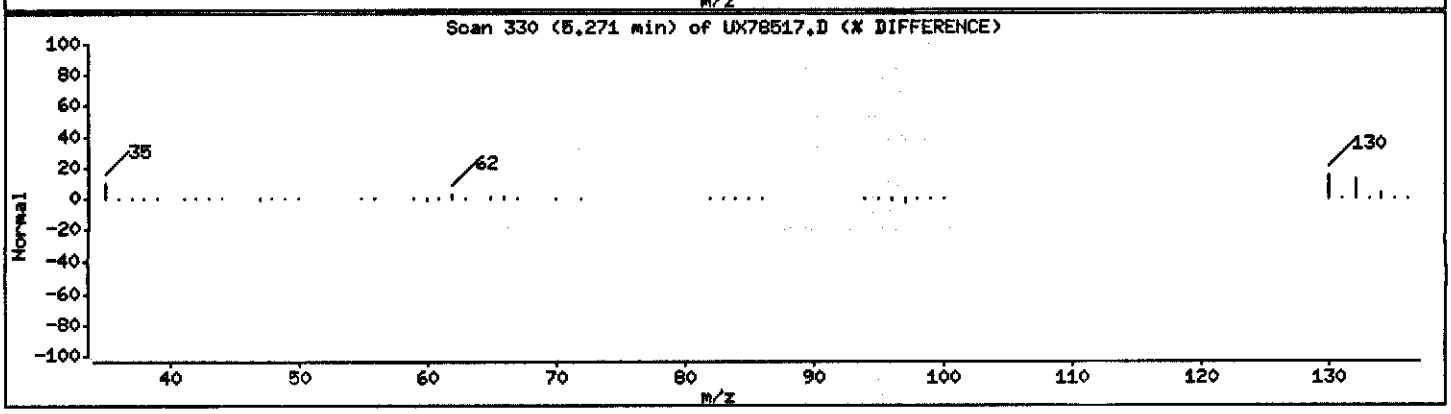
Column phase: DB624 20m Column diameter: 0.18

42 Trichloroethene Concentration: 30.845 ug/L









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Date : 30-DEC-2004 14:17

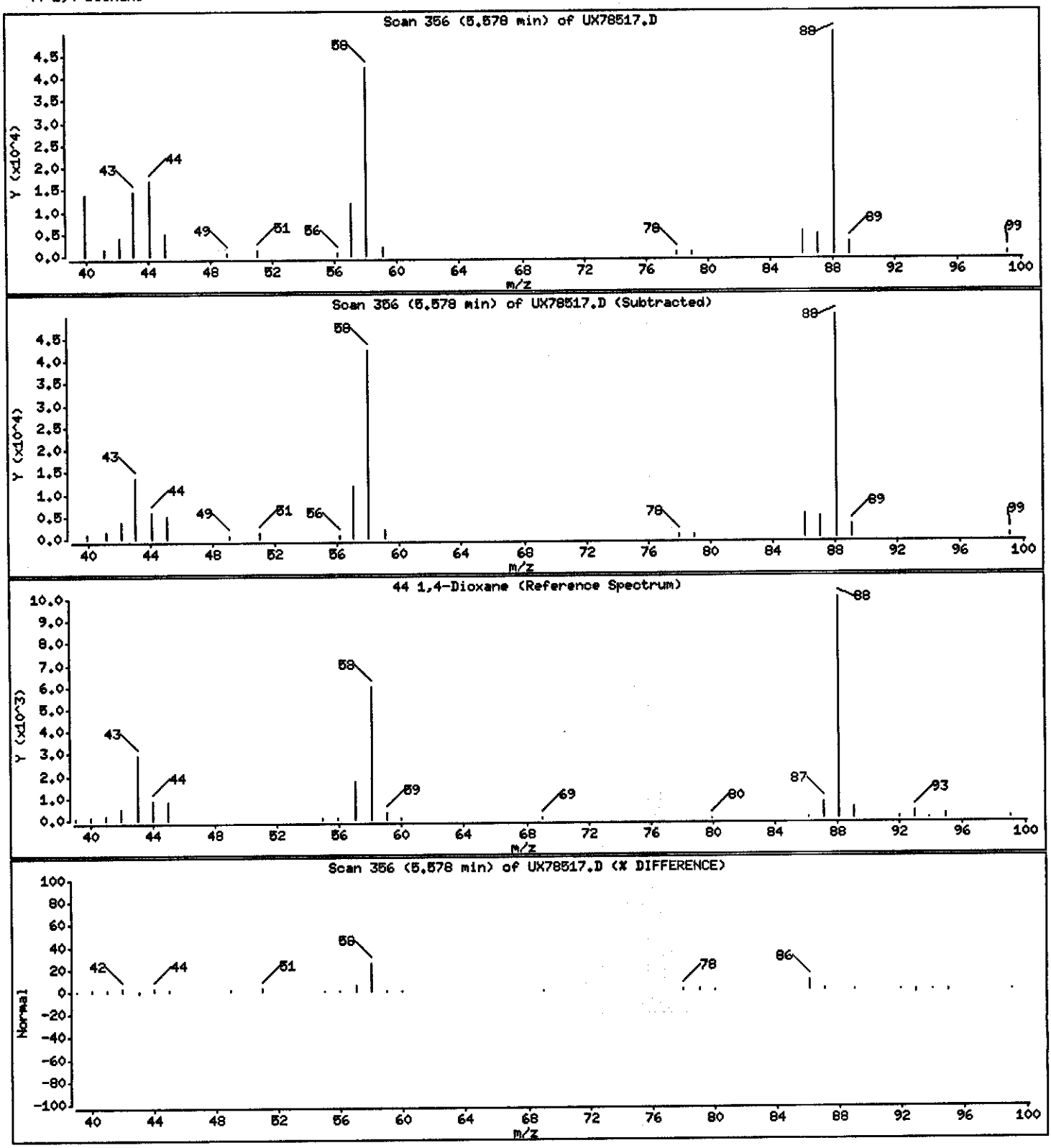
Client ID: DUP 01/122204 Instrument: a3ux7.i

Sample Info: G1QMP1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 4625.0 ug/L



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Date : 30-DEC-2004 14:17

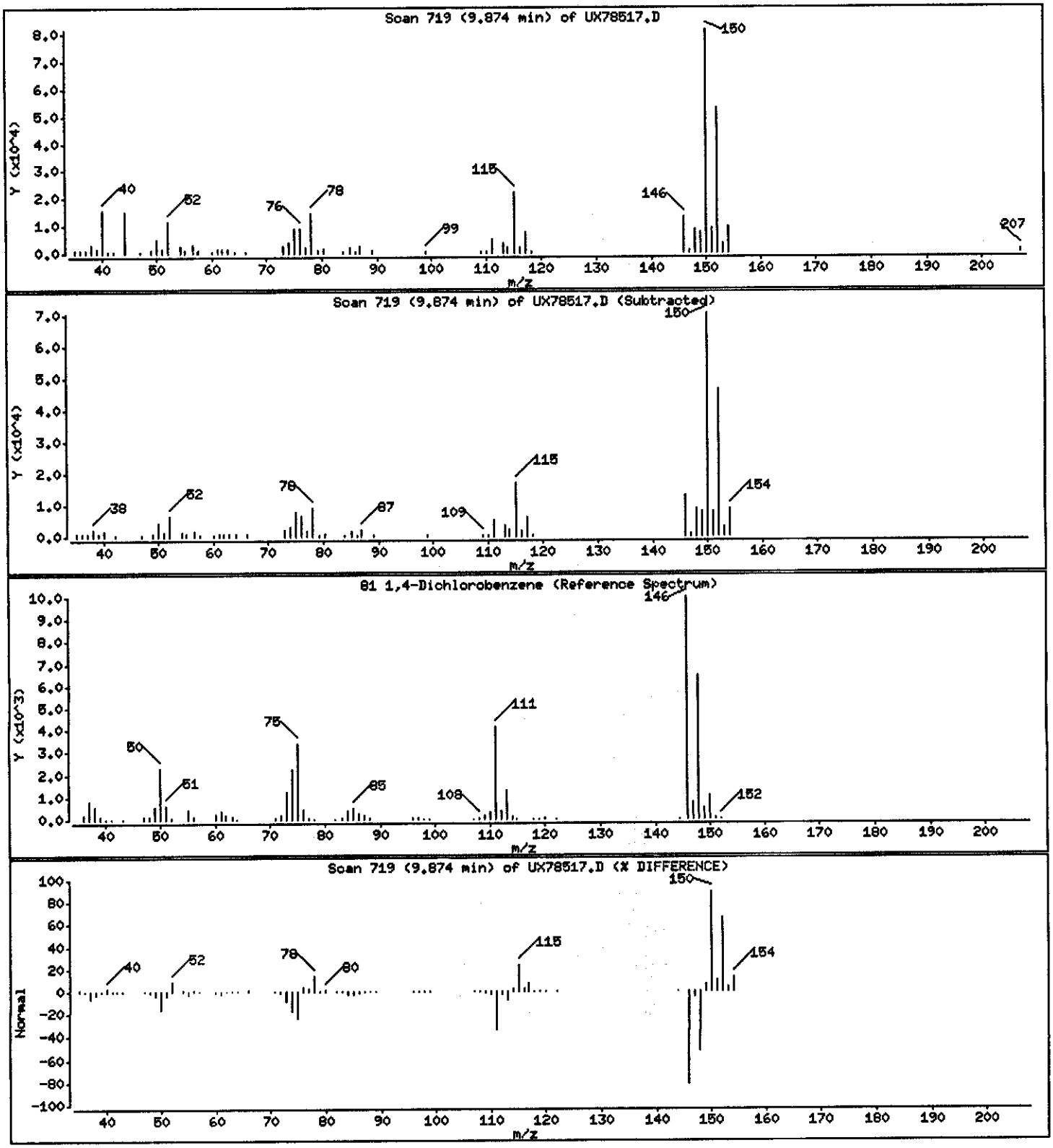
Client ID: DUP 01/122204 Instrument: a3ux7.i

Sample Info: G1QMP1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

81 1,4-Dichlorobenzene Concentration: 1.985 ug/L



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Date : 30-DEC-2004 14:17

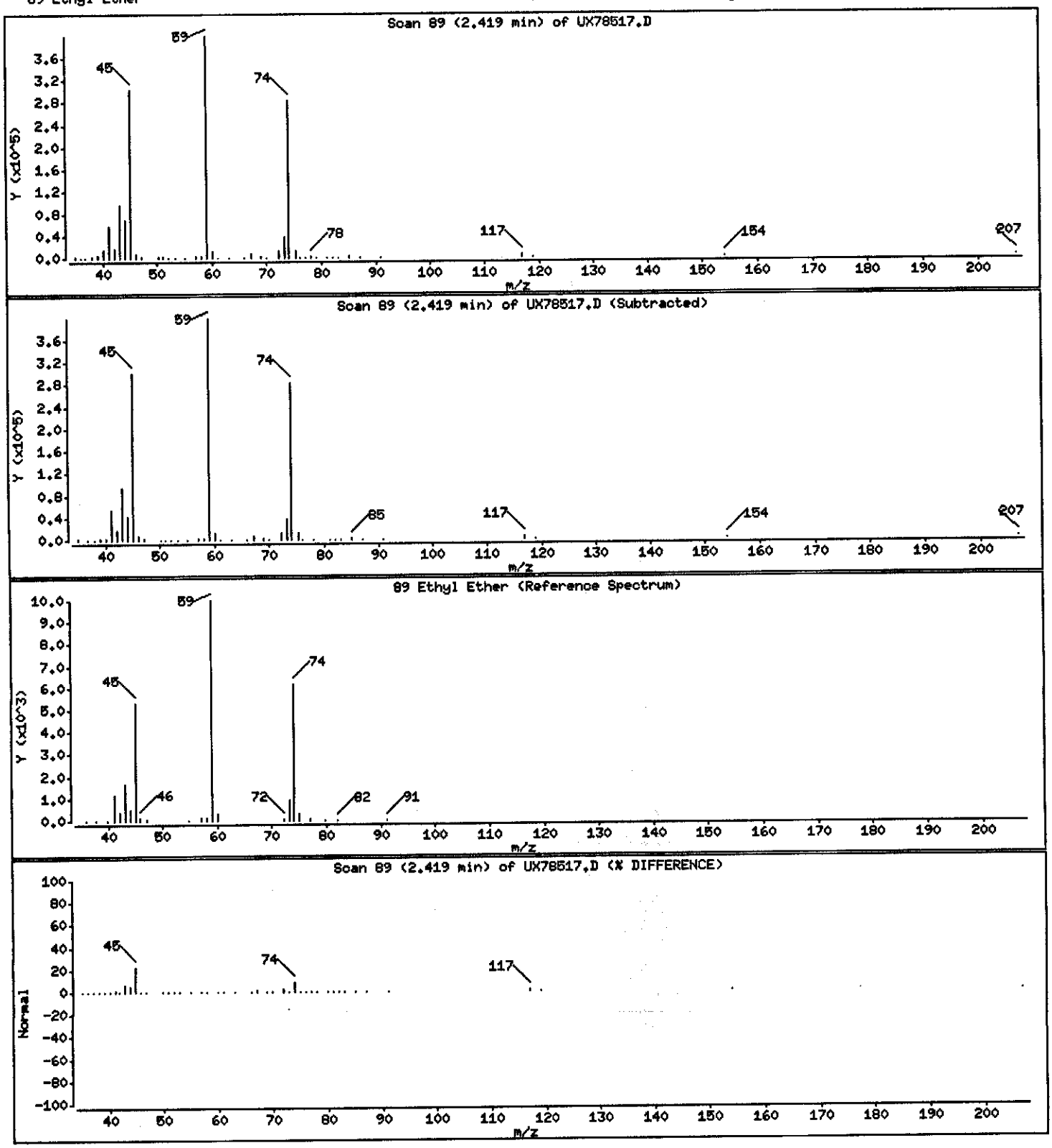
Client ID: DUP 01/122204 Instrument: a3ux7.i

Sample Info: G1QMP1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

89 Ethyl Ether Concentration: 215.58 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78517.D

Date : 30-DEC-2004 14:17

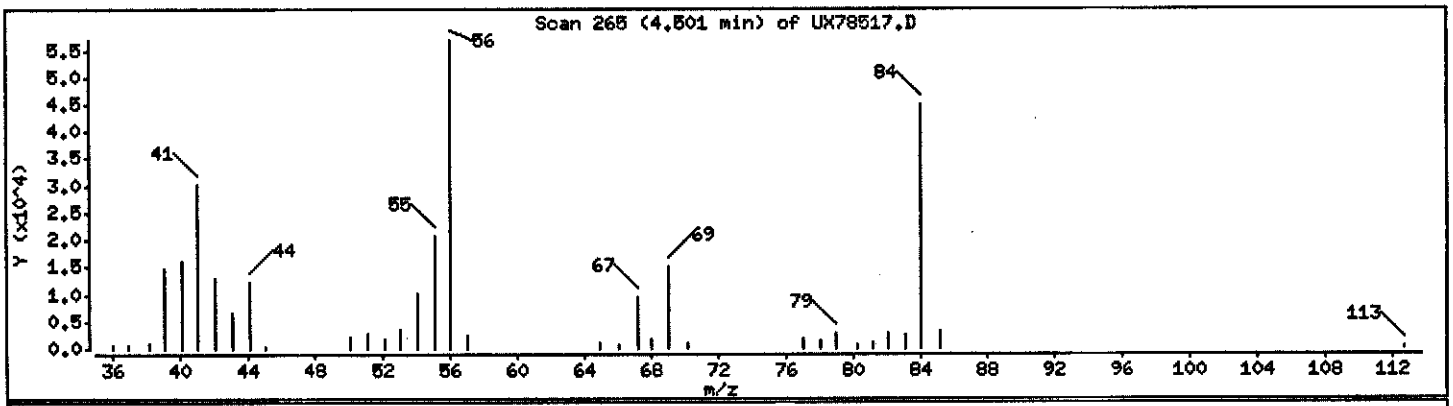
Client ID: DUP 01/122204 Instrument: a3ux7.i

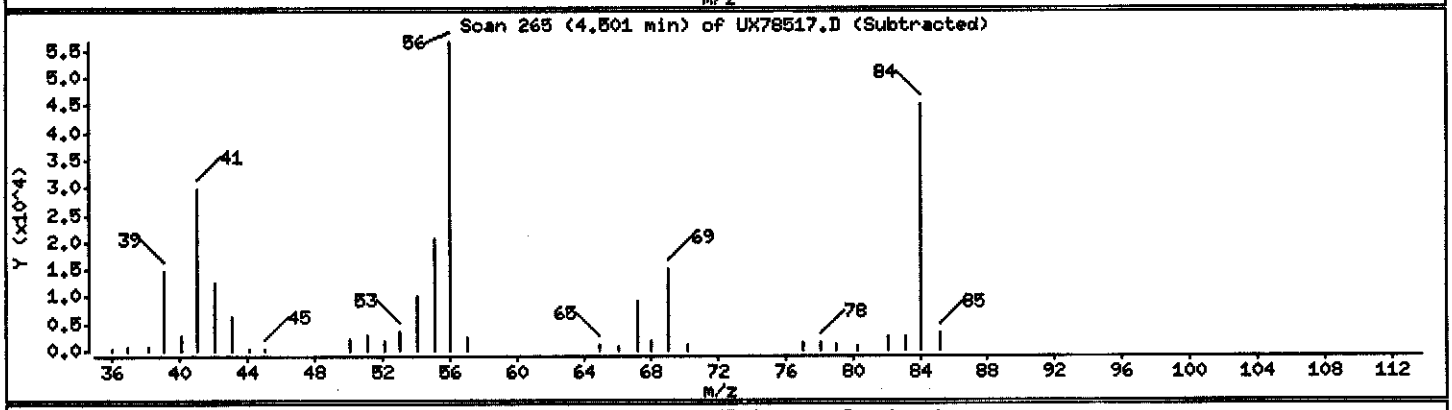
Sample Info: G1QMP1AA,0.75ML/5ML

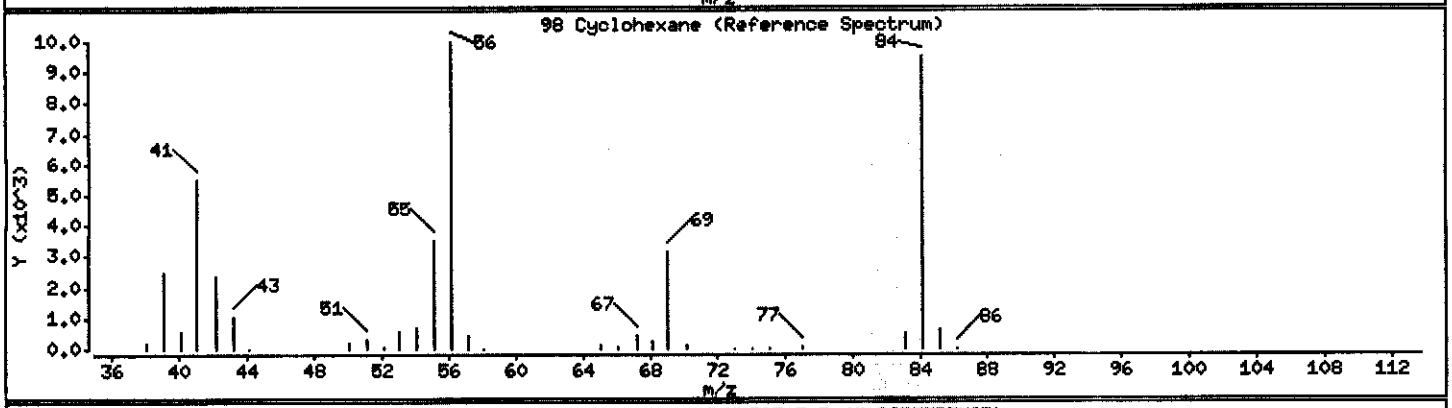
Purge Volume: 0.8 Operator: 1904

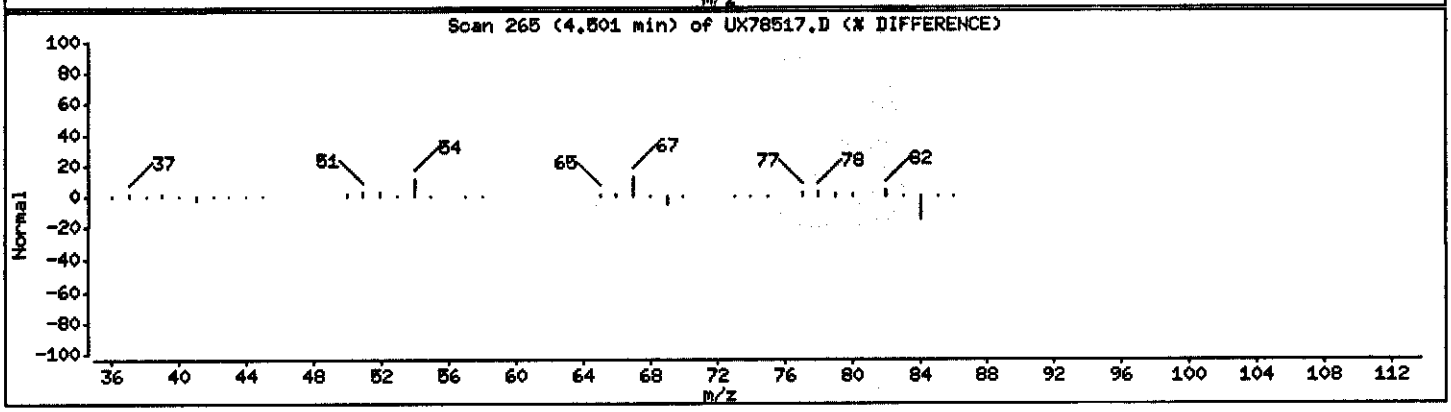
Column phase: DB624 20m Column diameter: 0.18

98 Cyclohexane Concentration: 13.346 ug/L









PAYNE FIRM INC.

Client Sample ID: DUP 02/122004

GC/MS Volatiles

Lot-Sample #...: A4L230115-012 **Work Order #...:** G1QMQ1AA **Matrix.....:** WG
Date Sampled...: 12/20/04 **Date Received..:** 12/23/04
Prep Date.....: 12/30/04 **Analysis Date..:** 12/30/04
Prep Batch #...: 5003269
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**1.4**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	**1.4 J**	**2.0**	**ug/L**
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	**1000**	**50**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DUP 02/122004

GC/MS Volatiles

Lot-Sample #...: A4L230115-012 **Work Order #...:** G1QMQ1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	117	(73 - 122)
1,2-Dichloroethane-d4	119	(61 - 128)
Toluene-d8	108	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78530.D
Report Date: 03-Jan-2005 15:53

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78530.D
Lab Smp Id: G1QMQ1AA Client Smp ID: DUP 02/122004
Inj Date : 30-DEC-2004 19:11
Operator : 1904 Inst ID: a3ux7.i
Smp Info : G1QMQ1AA,5ML/5ML
Misc Info : U41230A,N8260UX7-3,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m
Meth Date : 03-Jan-2005 15:41 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.962	4.961	(1.000)	1242319	50.0000	
* 2 Chlorobenzene-d5	117	7.625	7.623	(1.000)	815509	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.849	9.848	(1.000)	348382	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.393	(0.886)	418513	58.6353	11.727
$ 5 1,2-Dichloroethane-d4	65	4.679	4.677	(0.943)	500109	59.3617	11.872
$ 6 Toluene-d8	98	6.311	6.310	(0.828)	1422773	53.9627	10.792
$ 7 Bromofluorobenzene	95	8.725	8.724	(1.144)	408768	45.1918	9.038
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78530.D
Report Date: 03-Jan-2005 15:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				59840	6.89465	1.379
	32 cis-1,2-dichloroethene	96	4.016	4.014	(0.809)	59840	6.89465	1.379
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.578	5.576	(1.124)	317368	5229.50	1045.9(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78530.D
Report Date: 03-Jan-2005 15:53

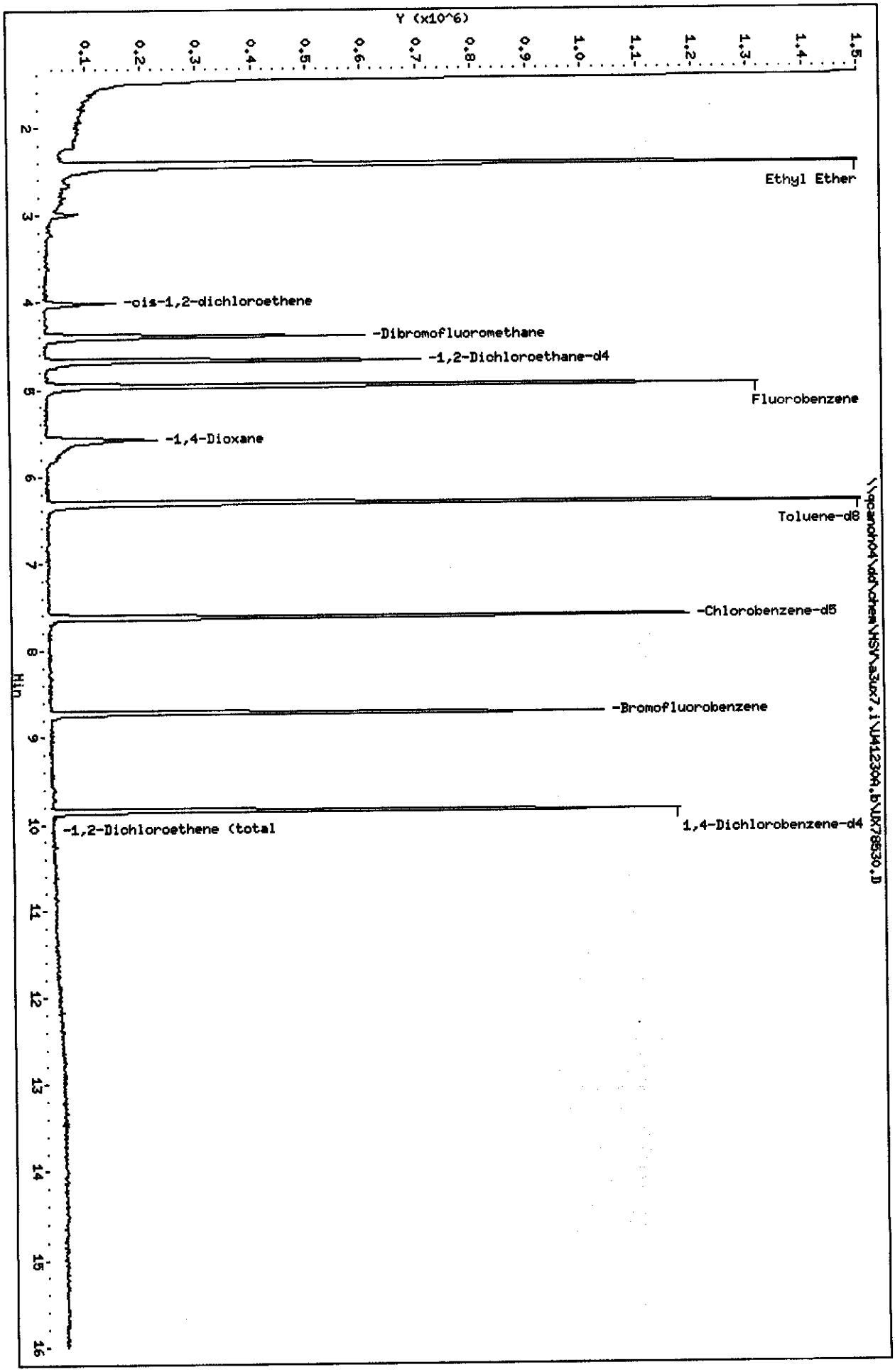
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.430	2.417	(0.490)	1461276	264.829	52.966(A)
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U412300.b\UX78530.D
Date : 30-DEC-2004 19:11
Client ID: DUP 02/122004
Sample Info: G1QHQ100,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18



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Date : 30-DEC-2004 19:11

Client ID: DUP 02/122004

Instrument: a3ux7.i

Sample Info: G1QMQ1AA,5ML/5ML

Purge Volume: 5.0

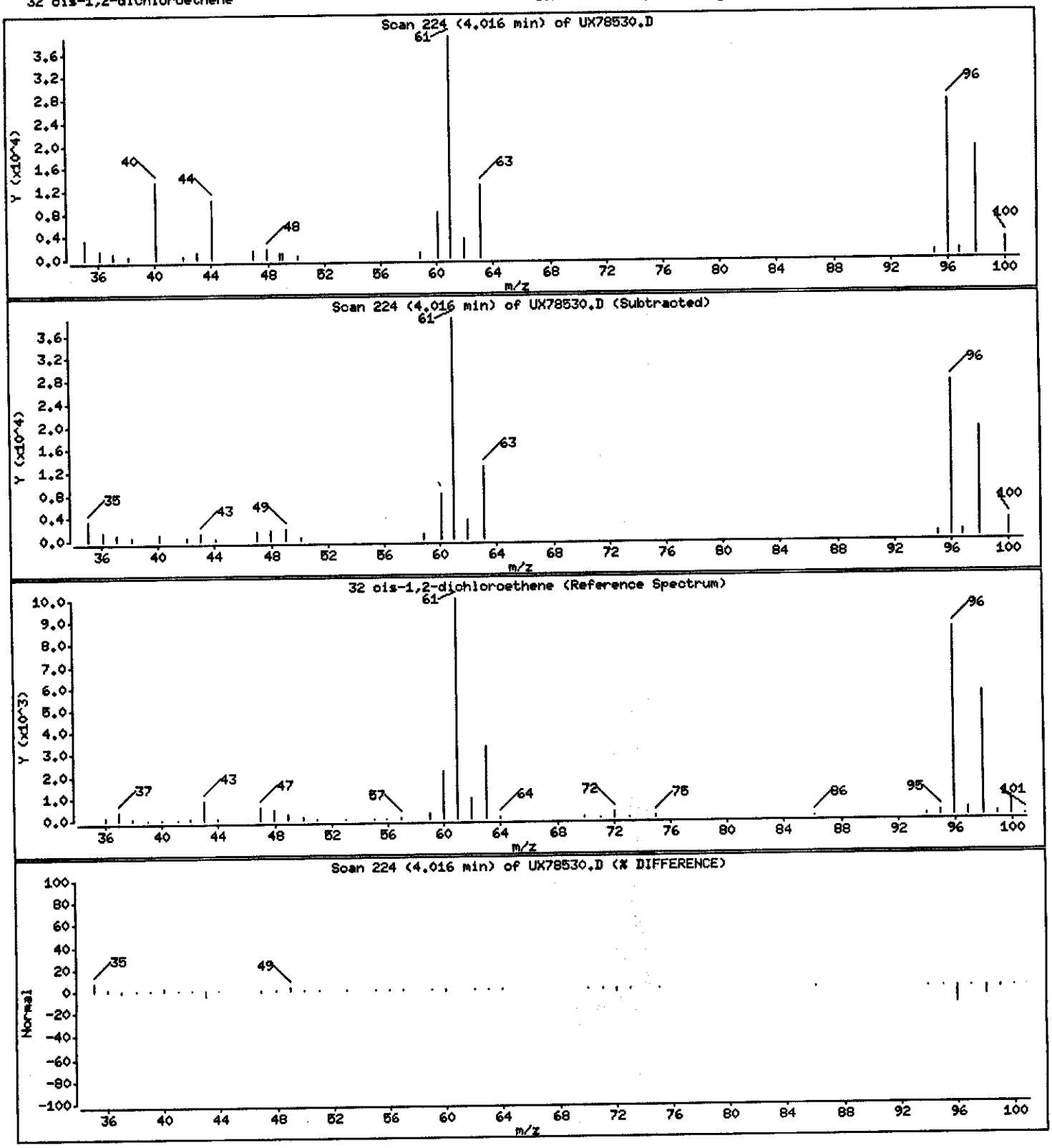
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

32 cis-1,2-dichloroethene

Concentration: 1.379 ug/L



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Date : 30-DEC-2004 19:11

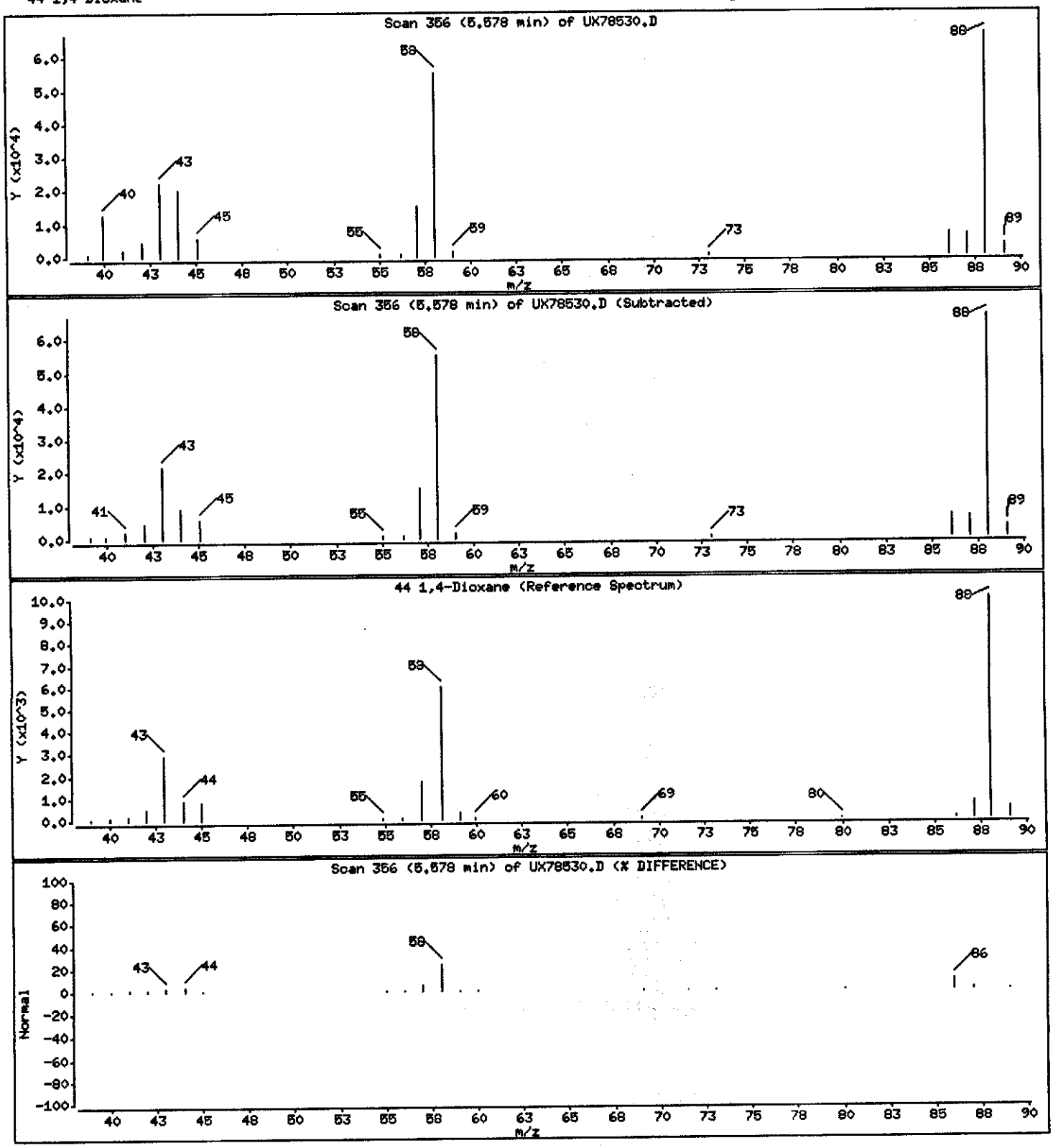
Client ID: DUP 02/122004 Instrument: a3ux7.i

Sample Info: G1QMQ1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 1045.9 ug/L



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Date : 30-DEC-2004 19:11

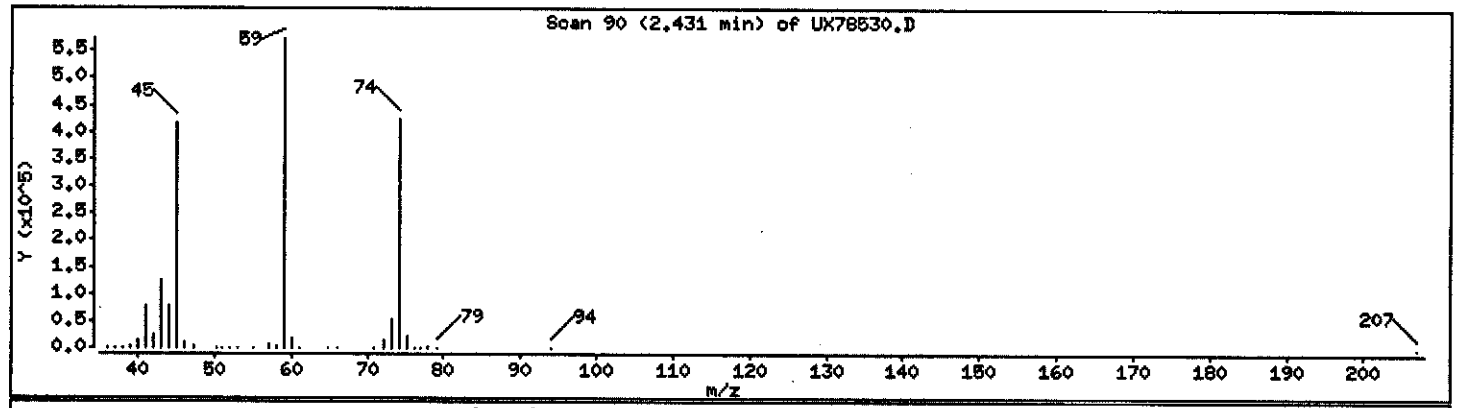
Client ID: DUP 02/122004 Instrument: a3ux7.i

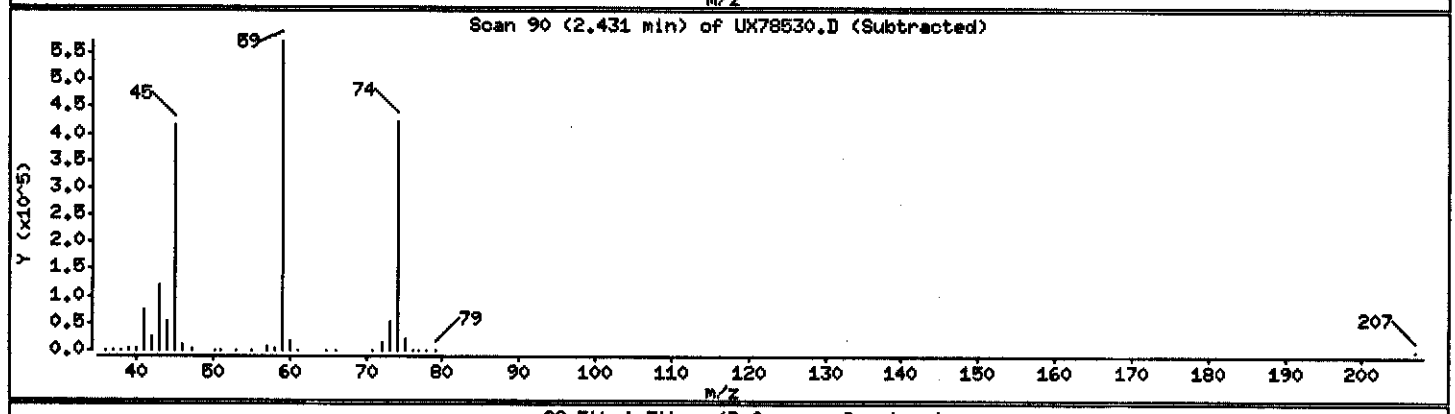
Sample Info: G1QMQ1AA,5ML/5ML

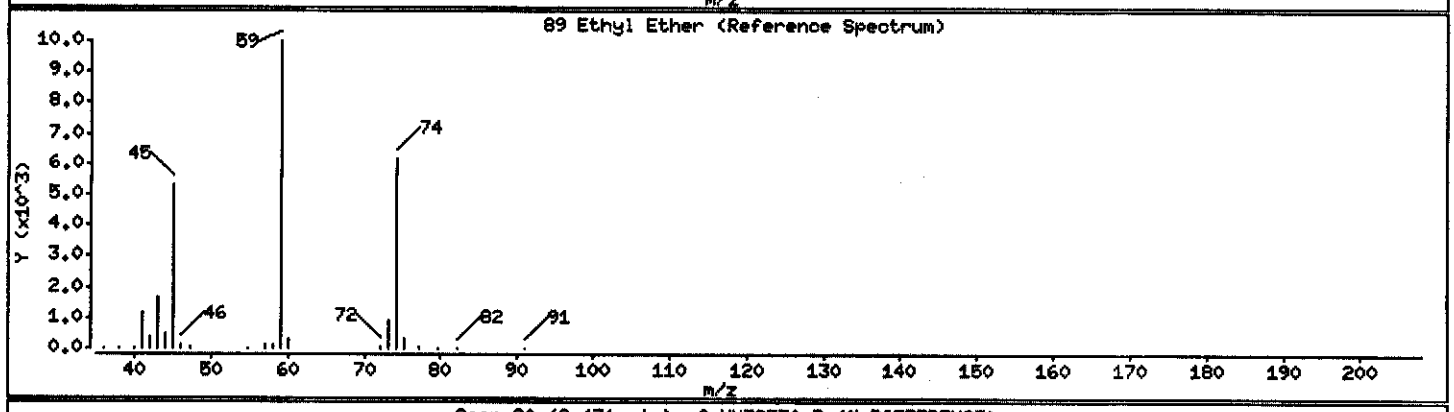
Purge Volume: 5.0 Operator: 1904

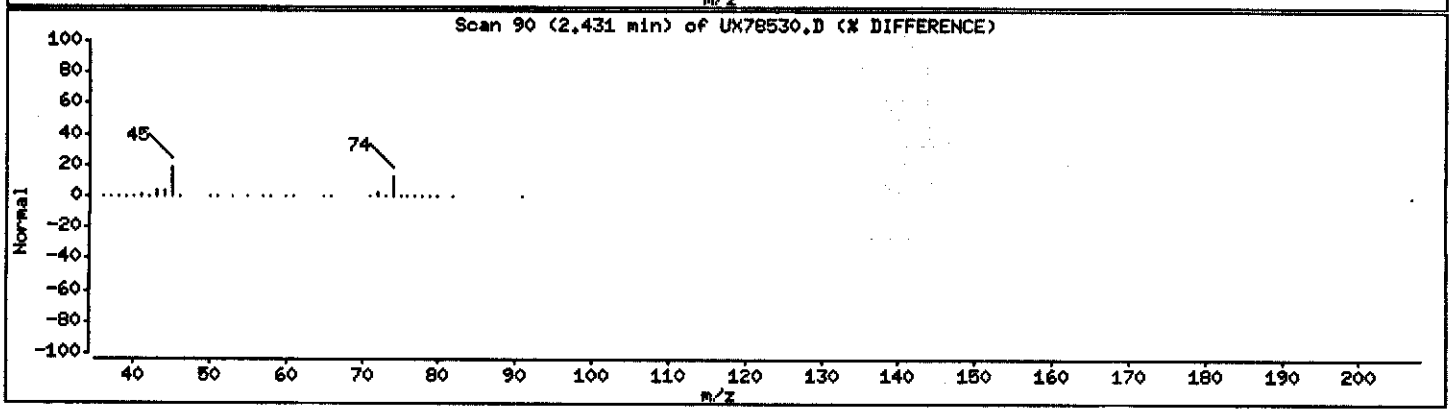
Column phase: DB624 20m Column diameter: 0.18

89 Ethyl Ether Concentration: 52.966 ug/L









PAYNE FIRM INC.

Client Sample ID: FB01/122104

GC/MS Volatiles

Lot-Sample #...: A4L230115-013 **Work Order #...:** G1QMT1AA **Matrix.....:** WG
Date Sampled...: 12/21/04 14:00 **Date Received..:** 12/23/04
Prep Date.....: 12/30/04 **Analysis Date..:** 12/30/04
Prep Batch #...: 5003269
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**2.4**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	**18 J**	**50**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: FB01/122104

GC/MS Volatiles

Lot-Sample #...: A4L230115-013 **Work Order #...:** G1QMT1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	117	(73 - 122)
1,2-Dichloroethane-d4	117	(61 - 128)
Toluene-d8	105	(76 - 110)
4-Bromofluorobenzene	87	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78531.D
Report Date: 03-Jan-2005 15:54

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78531.D
Lab Smp Id: G1QMT1AA Client Smp ID: FB01/122104
Inj Date : 30-DEC-2004 19:34
Operator : 1904 Inst ID: a3ux7.i
Smp Info : G1QMT1AA,5ML/5ML
Misc Info : U41230A,N8260UX7-3,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m
Meth Date : 03-Jan-2005 15:41 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.962	4.961	(1.000)	1245273	50.0000	
* 2 Chlorobenzene-d5	117	7.624	7.623	(1.000)	827413	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.849	9.848	(1.000)	335475	50.0000	
$ 4 Dibromofluoromethane	113	4.405	4.393	(0.888)	419838	58.6814	11.736
$ 5 1,2-Dichloroethane-d4	65	4.678	4.677	(0.943)	493717	58.4640	11.693
$ 6 Toluene-d8	98	6.311	6.310	(0.828)	1398405	52.2754	10.455
$ 7 Bromofluorobenzene	95	8.724	8.724	(1.144)	397072	43.2672	8.653
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78531.D
Report Date: 03-Jan-2005 15:54

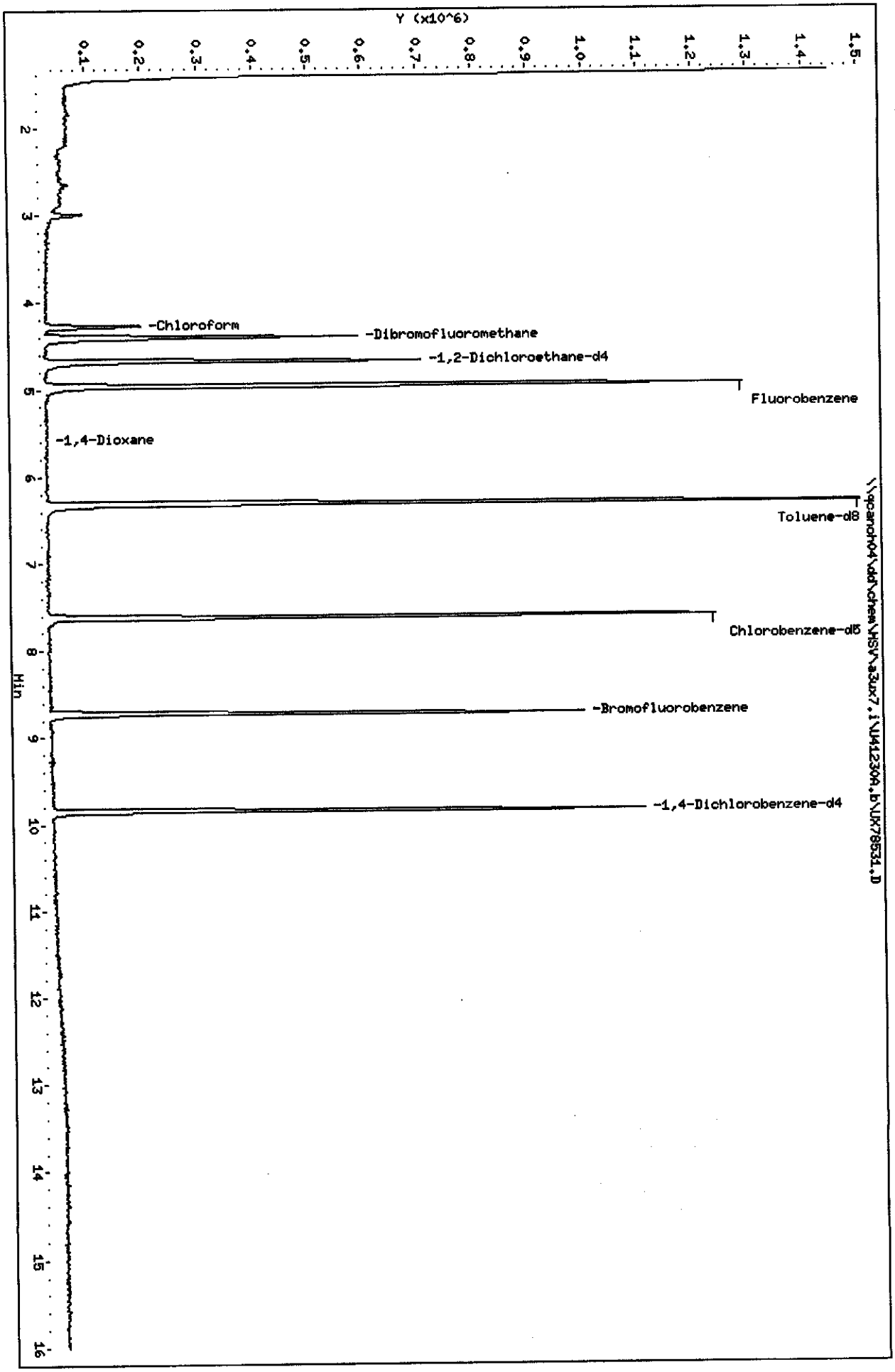
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.275	4.263	(0.862)	155610	11.8164	2.363
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.601	5.576	(1.129)	5603	92.1056	18.421
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78531.D
Report Date: 03-Jan-2005 15:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U41230A.b\UX78531.D
Date : 30-DEC-2004 19:34
Client ID: FB01/122104
Sample Info: C10MT100,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78531.D

Date : 30-DEC-2004 19:34

Client ID: FB01/122104

Instrument: a3ux7.i

Sample Info: G1QMT1AA,5ML/5ML

Purge Volume: 5.0

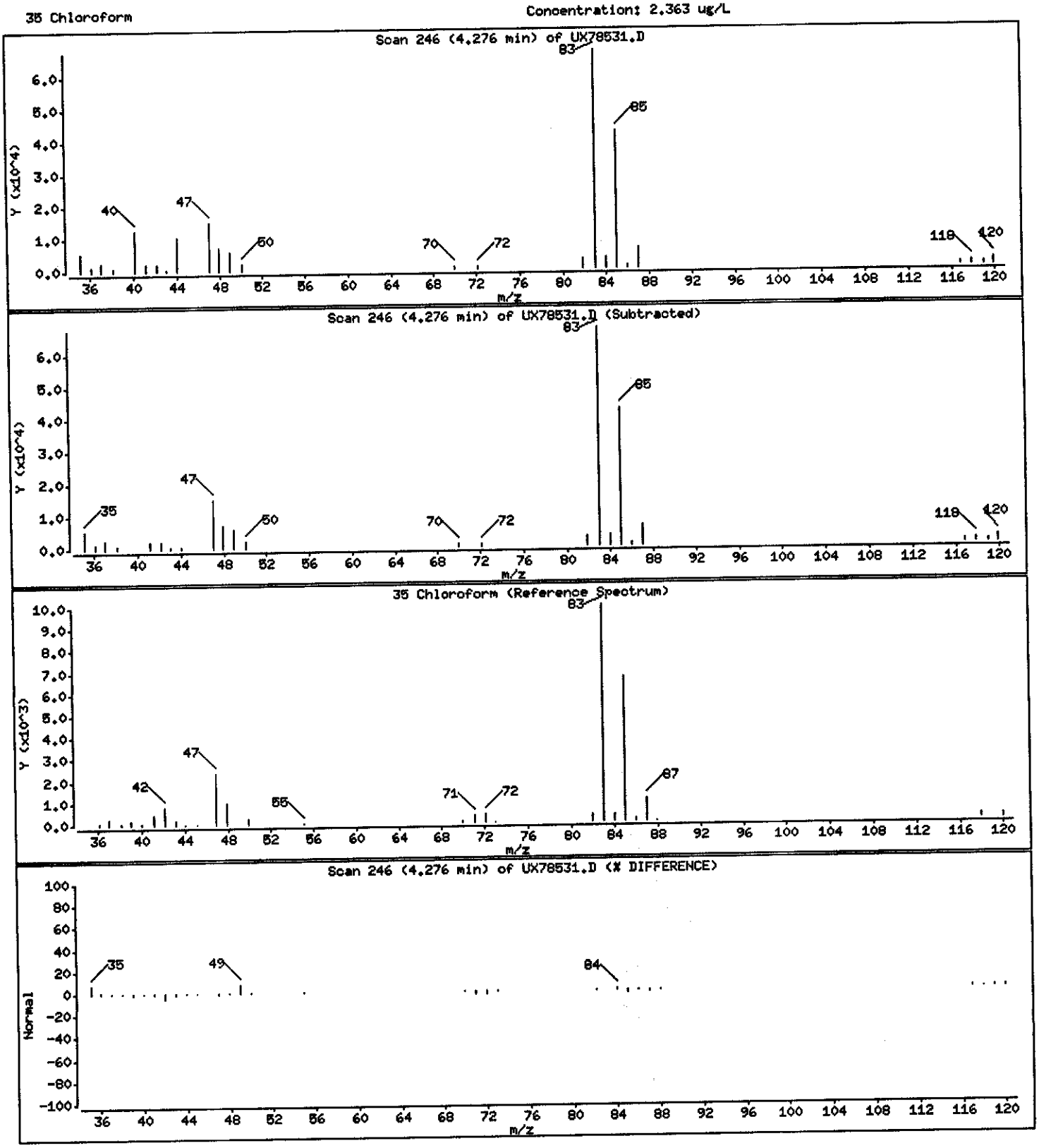
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

35 Chloroform

Concentration: 2.363 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78531.D

Date : 30-DEC-2004 19:34

Client ID: FB01/122104

Instrument: a3ux7.i

Sample Info: G1QMT1AA,5ML/5ML

Purge Volume: 5.0

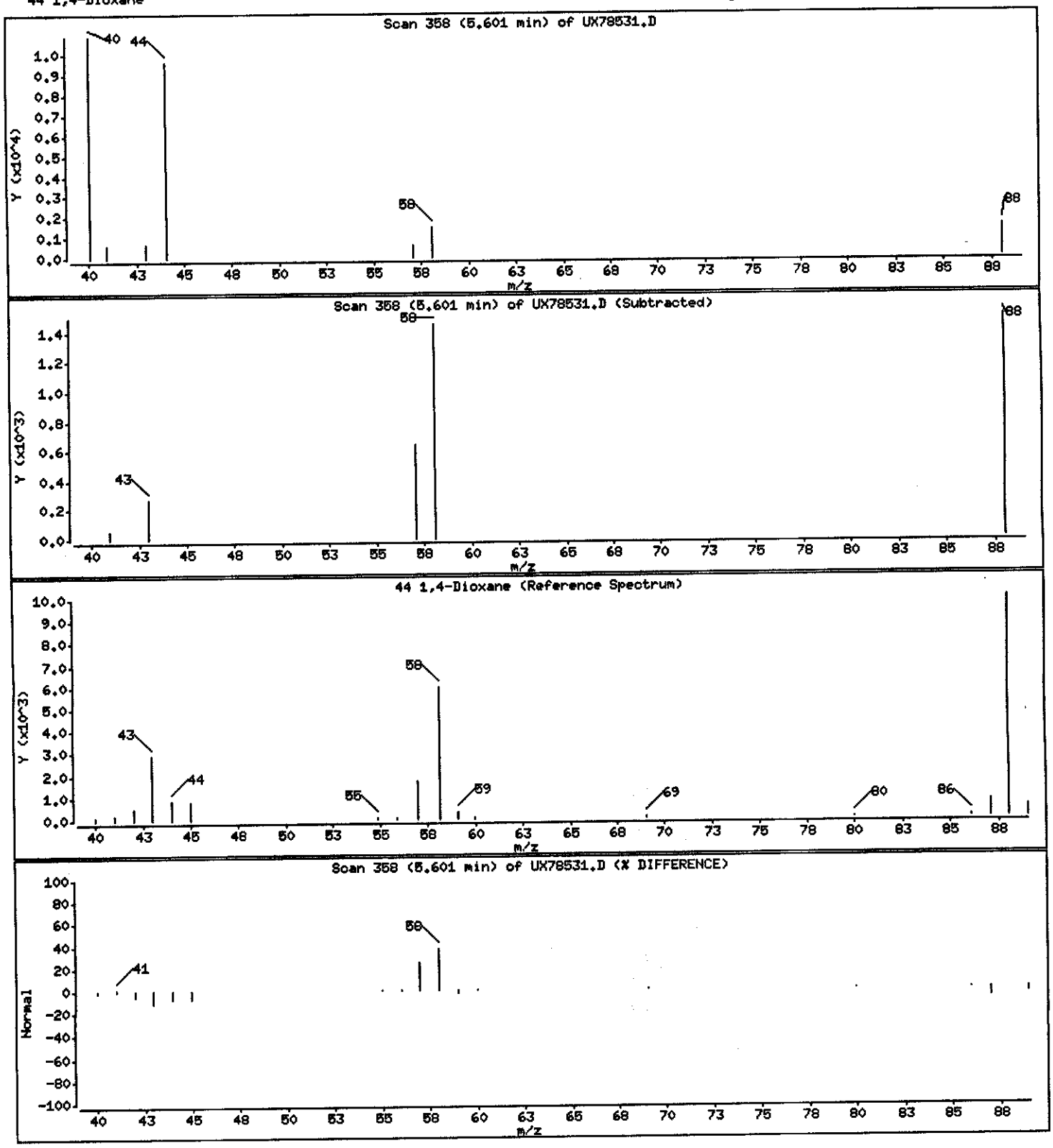
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

44 1,4-Dioxane

Concentration: 18.421 ug/L



PAYNE FIRM INC.

Client Sample ID: FB02/122004

GC/MS Volatiles

Lot-Sample #...: A4L230115-014 **Work Order #...:** G1QMV1AA **Matrix.....:** WG
Date Sampled...: 12/20/04 13:20 **Date Received..:** 12/23/04
Prep Date.....: 12/30/04 **Analysis Date..:** 12/30/04
Prep Batch #...: 5003269
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**1.8**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: FB02/122004

GC/MS Volatiles

Lot-Sample #...: A4L230115-014 **Work Order #...:** G1QMV1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	**0.45 J,B**	**1.0**	**ug/L**
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	117	(73 - 122)
1,2-Dichloroethane-d4	117	(61 - 128)
Toluene-d8	106	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78532.D
Report Date: 03-Jan-2005 15:55

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78532.D
Lab Smp Id: G1QMV1AA
Client Smp ID: FB02/122004
Inj Date : 30-DEC-2004 19:56
Operator : 1904
Inst ID: a3ux7.i
Smp Info : G1QMV1AA,5ML/5ML
Misc Info : U41230A,N8260UX7-3,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m
Meth Date : 03-Jan-2005 15:41 quayler
Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43
Cal File: UX78168.D
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

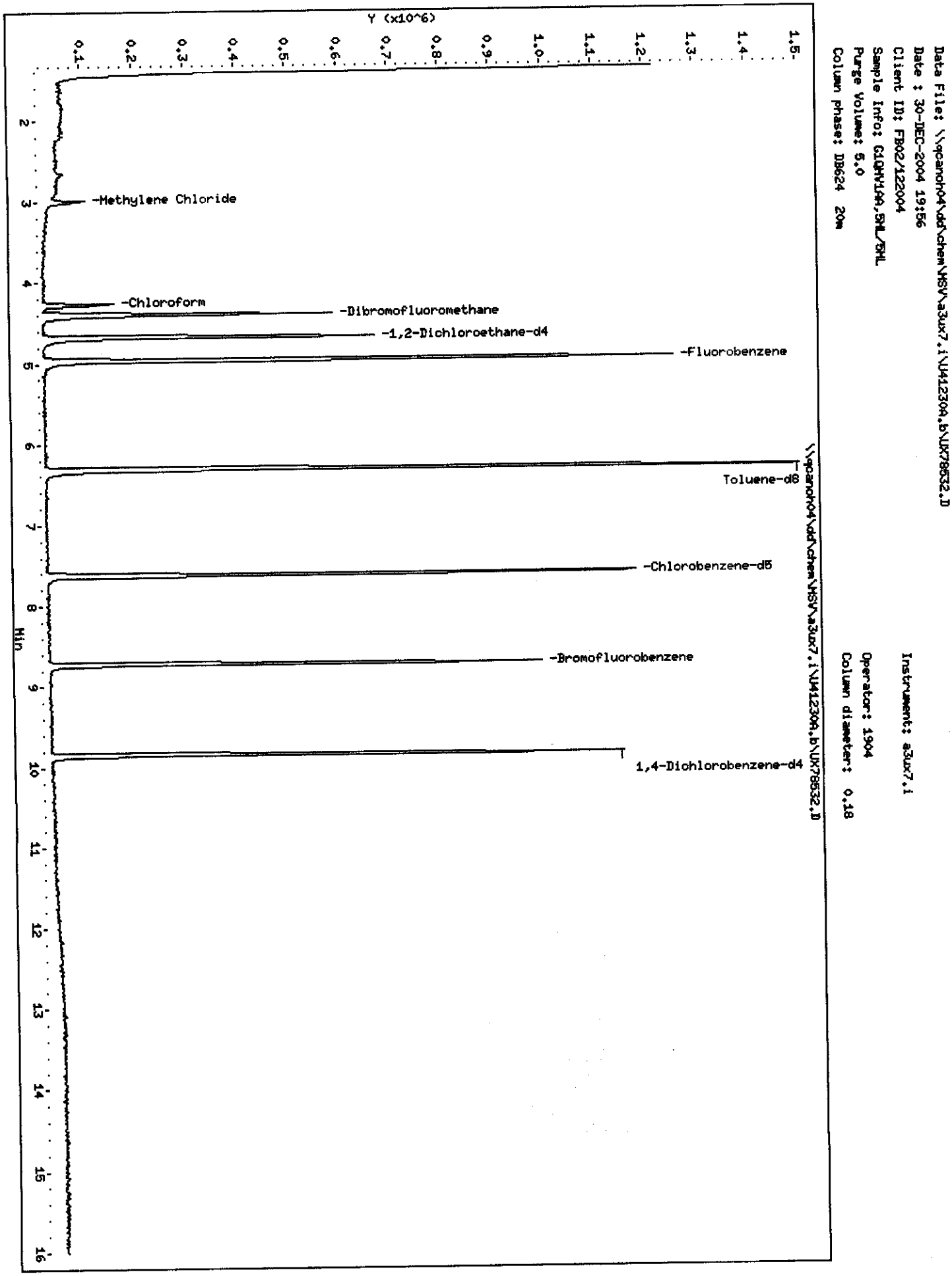
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.963	4.961	(1.000)	1204250	50.0000	
* 2 Chlorobenzene-d5	117	7.625	7.623	(1.000)	793583	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.849	9.848	(1.000)	334223	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.393	(0.886)	405072	58.5462	11.709
$ 5 1,2-Dichloroethane-d4	65	4.679	4.677	(0.943)	478974	58.6503	11.730
$ 6 Toluene-d8	98	6.311	6.310	(0.828)	1354989	52.8117	10.562
$ 7 Bromofluorobenzene	95	8.725	8.724	(1.144)	394267	44.7930	8.958
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78532.D
Report Date: 03-Jan-2005 15:55

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	2.986	2.985	(0.602)	39247	2.23901	0.4478
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.264	4.263	(0.859)	117278	9.20900	1.842
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78532.D
Report Date: 03-Jan-2005 15:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					


Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U412304.b\UX78532.D
Date : 30-DEC-2004 19:56
Client ID: FB02/122004
Sample Info: G10HV140,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Methylene Chloride
-Chloroform
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
Toluene-d8
-Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
Min
\\qcanoh04\dd\chem\MSV\a3ux7.i\U412304.b\UX78532.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78532.D

Date : 30-DEC-2004 19:56

Client ID: FB02/122004

Instrument: a3ux7.i

Sample Info: G1QMV1AA,5ML/5ML

Purge Volume: 5.0

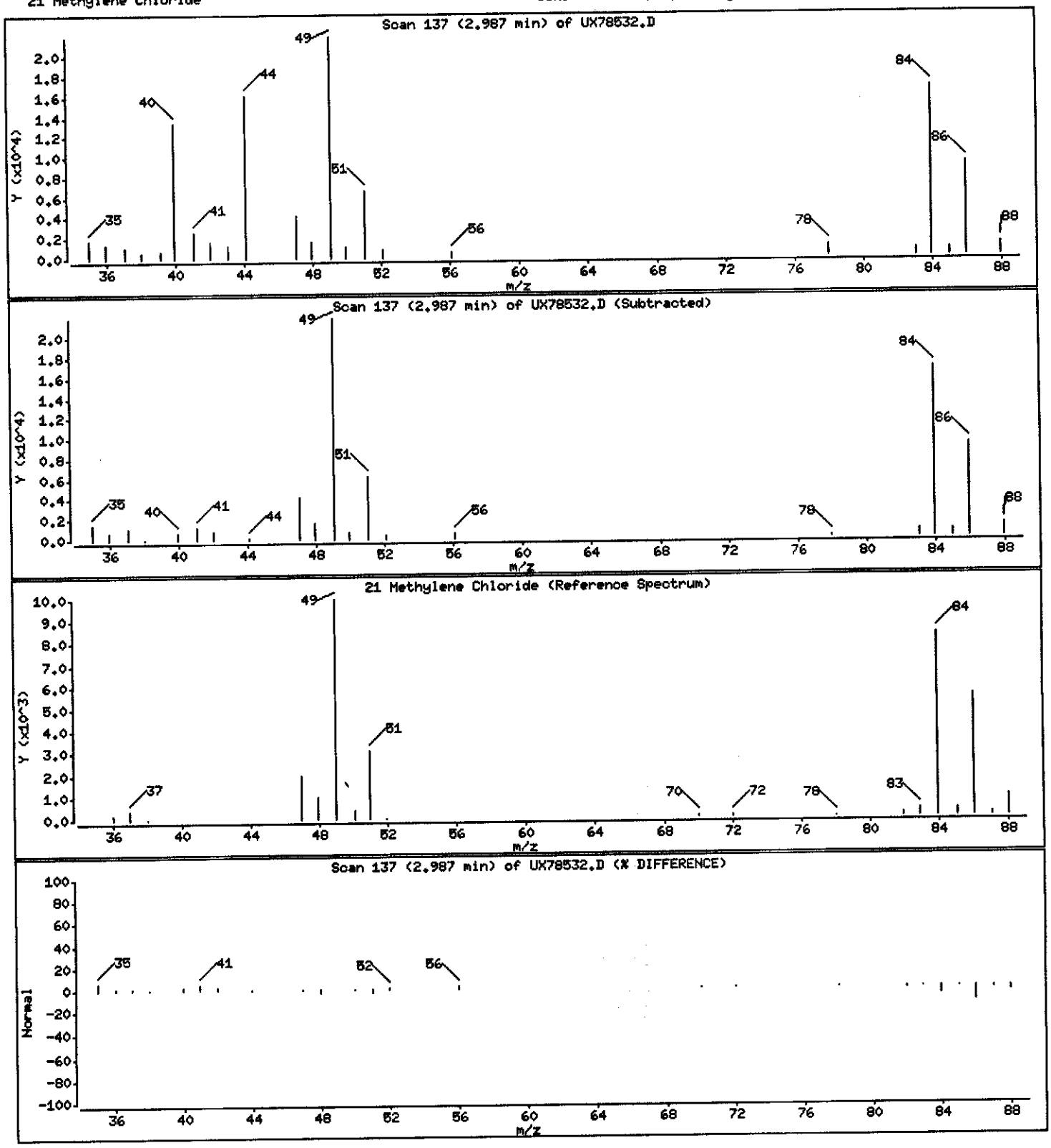
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

21 Methylene Chloride

Concentration: 0.4478 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78532.D

Date : 30-DEC-2004 19:56

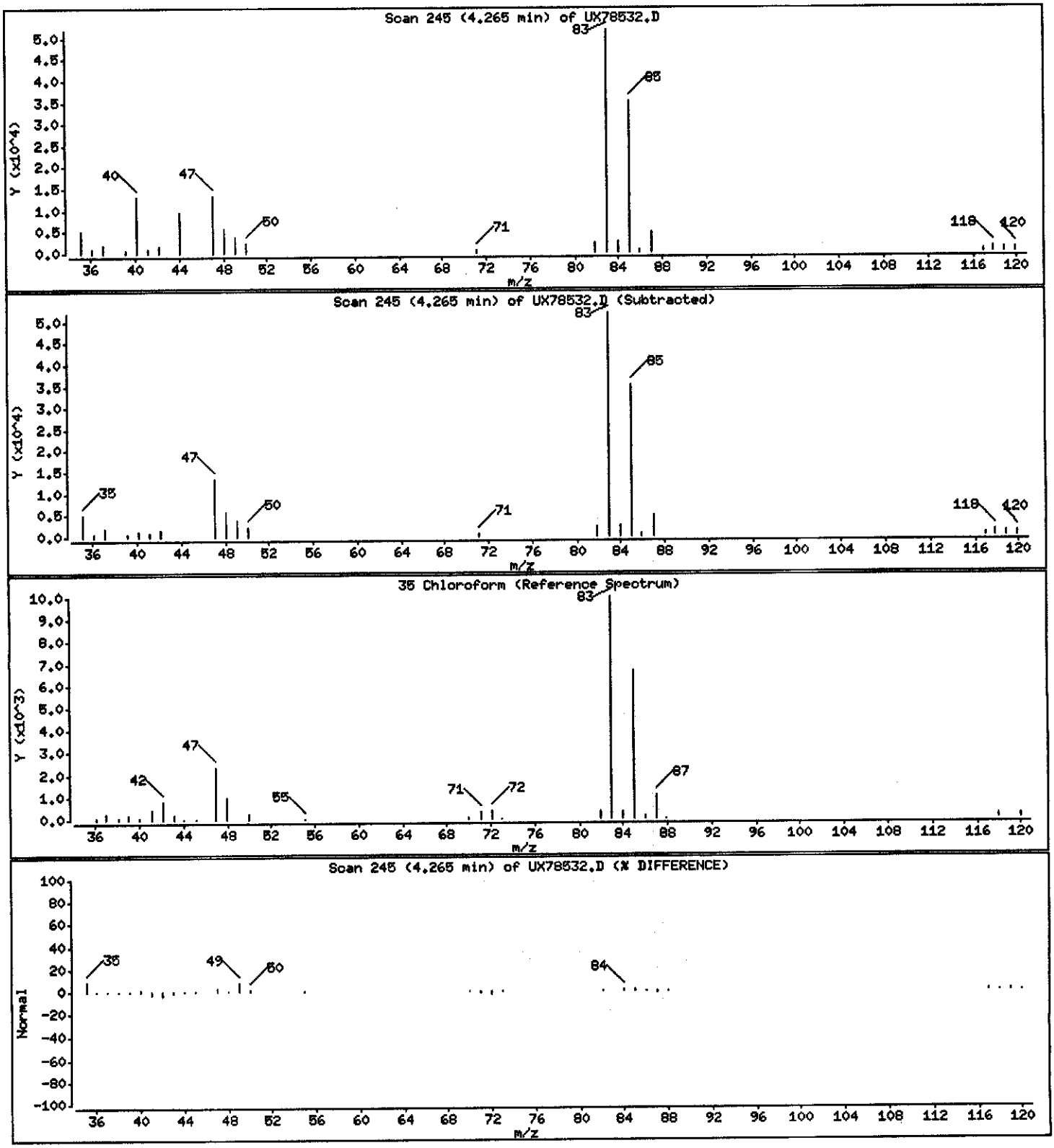
Client ID: FB02/122004 Instrument: a3ux7.i

Sample Info: G1QHV1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

35 Chloroform Concentration: 1.842 ug/L



PAYNE FIRM INC.

Client Sample ID: RW01/122104

GC/MS Volatiles

Lot-Sample #...: A4L230115-015 **Work Order #...:** G1QMW1AA **Matrix.....:** WG
Date Sampled...: 12/21/04 13:45 **Date Received..:** 12/23/04
Prep Date.....: 12/30/04 **Analysis Date..:** 12/30/04
Prep Batch #...: 5003269
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.5 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	**0.47 J**	**1.0**	**ug/L**
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**2.2**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: RW01/122104

GC/MS Volatiles

Lot-Sample #...: A4L230115-015 Work Order #...: G1QMW1AA Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	117	(73 - 122)
1,2-Dichloroethane-d4	117	(61 - 128)
Toluene-d8	105	(76 - 110)
4-Bromofluorobenzene	88	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78533.D
Report Date: 03-Jan-2005 15:56

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78533.D
Lab Smp Id: G1QMW1AA Client Smp ID: RW01/122104
Inj Date : 30-DEC-2004 20:19
Operator : 1904 Inst ID: a3ux7.i
Smp Info : G1QMW1AA,5ML/5ML
Misc Info : U41230A,N8260UX7-3,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m
Meth Date : 03-Jan-2005 15:41 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

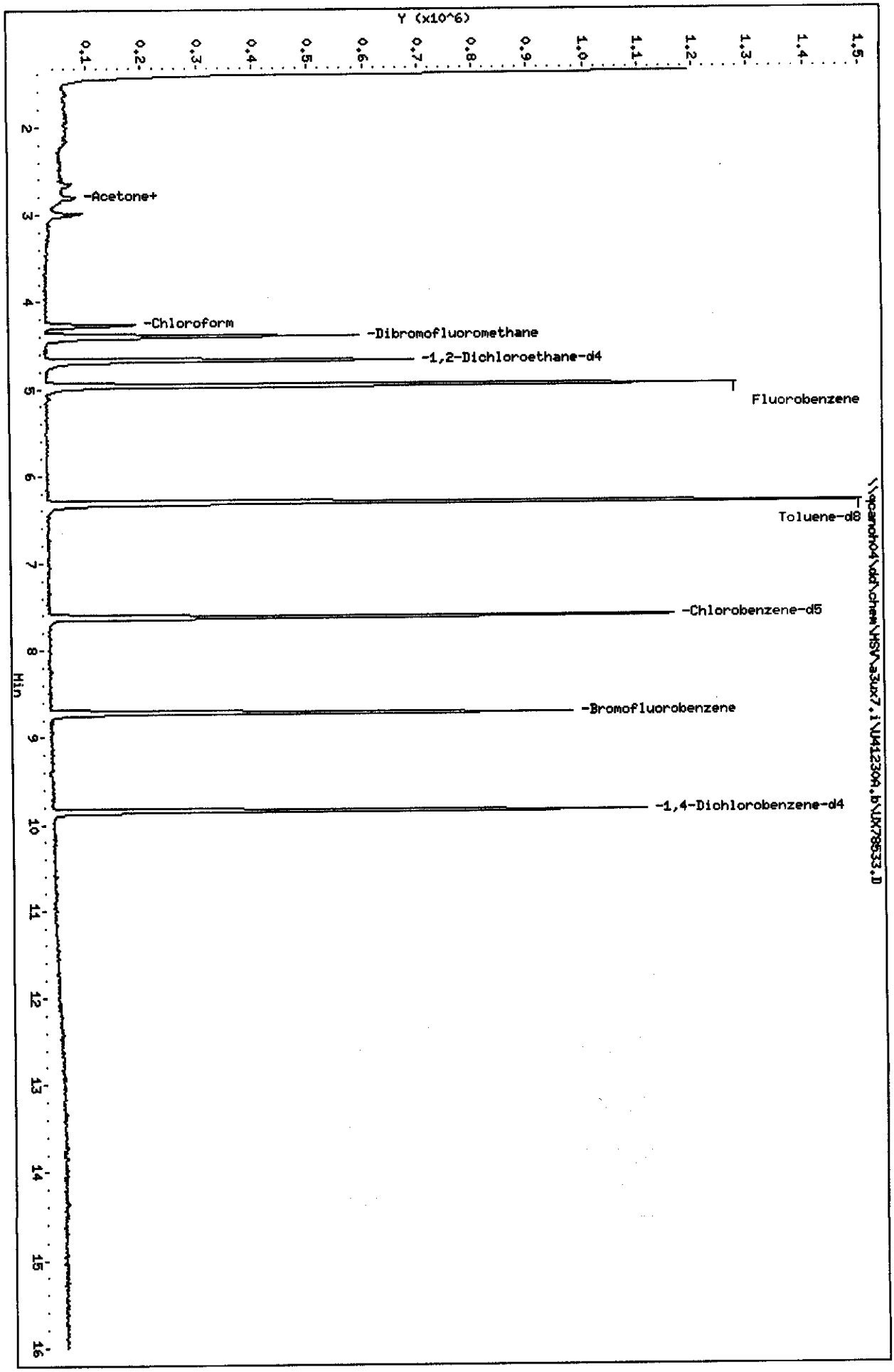
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.963	4.961	(1.000)	1219114	50.0000	
* 2 Chlorobenzene-d5	117	7.625	7.623	(1.000)	796668	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.850	9.848	(1.000)	326678	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.393	(0.886)	411013	58.6806	11.736
$ 5 1,2-Dichloroethane-d4	65	4.679	4.677	(0.943)	483959	58.5382	11.708
$ 6 Toluene-d8	98	6.312	6.310	(0.828)	1353668	52.5559	10.511
$ 7 Bromofluorobenzene	95	8.725	8.724	(1.144)	386664	43.7591	8.752
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.643	2.642	(0.533)	55410	7.65929	1.532
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78533.D
Report Date: 03-Jan-2005 15:56

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	2.809	2.796	(0.566)	59412	2.34527	0.4690
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.265	4.263	(0.859)	140607	10.9062	2.181
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78533.D
Report Date: 03-Jan-2005 15:56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					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Date : 30-DEC-2004 20:19
Client ID: RW01/122104
Sample Info: G10H4100,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Acetone+
-Chloroform
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
Toluene-d8
-Chlorobenzene-d5
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\HSV\a3ux7.i\U412309.b\UX78533.D
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78533.D

Date : 30-DEC-2004 20:19

Client ID: RW01/122104

Instrument: a3ux7.i

Sample Info: C1QMW1AA,5ML/5ML

Purge Volume: 5.0

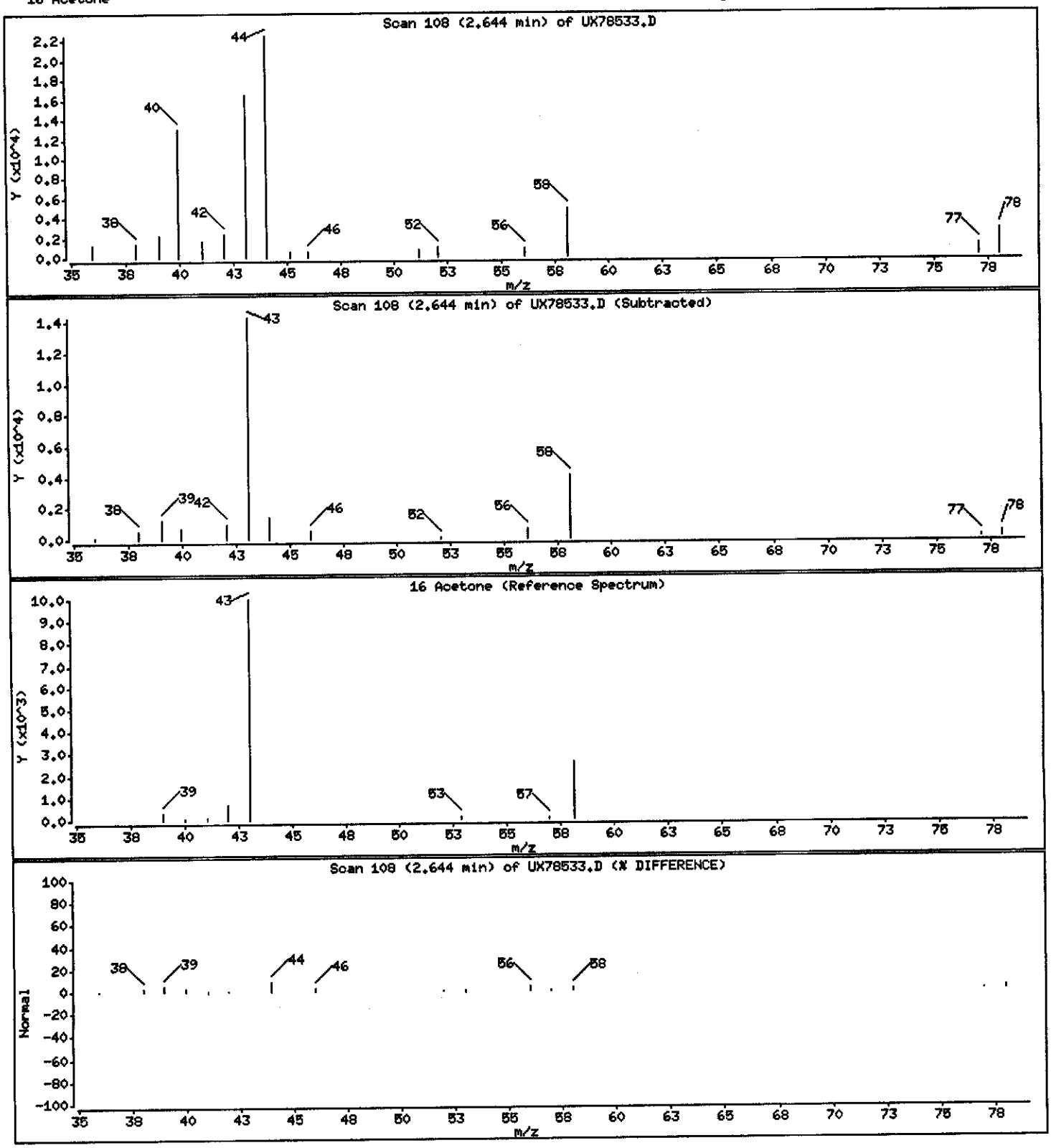
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

16 Acetone

Concentration: 1.532 ug/L



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Date : 30-DEC-2004 20:19

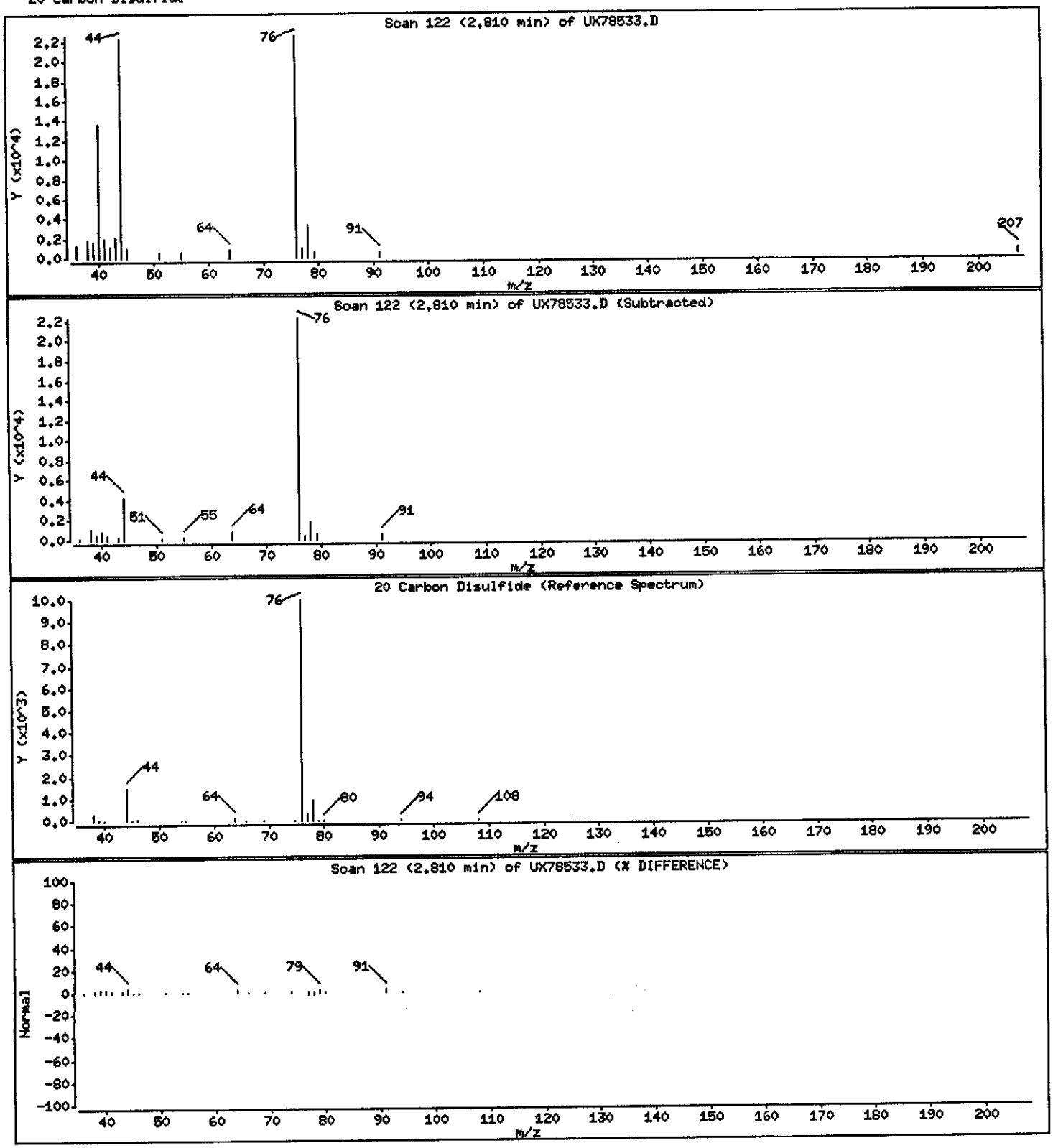
Client ID: RW01/122104 Instrument: a3ux7.i

Sample Info: G1QMW1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.4690 ug/L



Data File: \\qcanch04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78533.D

Date : 30-DEC-2004 20:19

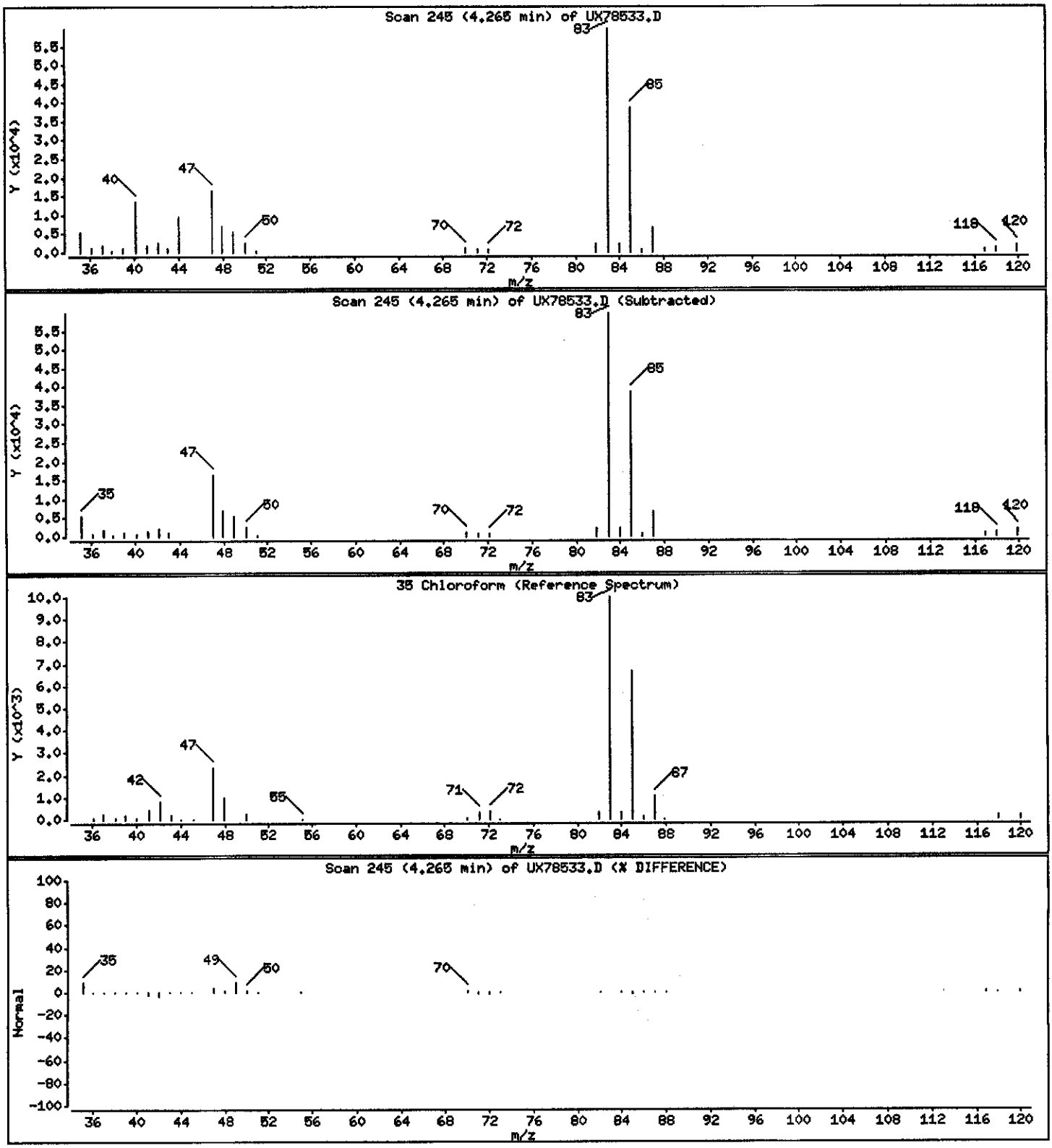
Client ID: RW01/122104 Instrument: a3ux7.i

Sample Info: G1QMW1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

35 Chloroform Concentration: 2.181 ug/L



PAYNE FIRM INC.

Client Sample ID: RW02/122104

GC/MS Volatiles

Lot-Sample #...: A4L230115-016 **Work Order #...:** G1QMX1AA **Matrix.....:** WG
Date Sampled...: 12/21/04 16:20 **Date Received..:** 12/23/04
Prep Date.....: 01/03/05 **Analysis Date..:** 01/03/05
Prep Batch #...: 5005223
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**1.9**	**1.0**	**ug/L**
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: RW02/122104

GC/MS Volatiles

Lot-Sample #...: A4L230115-016 **Work Order #...:** G1QMX1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	107	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	88	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78551.D
Report Date: 05-Jan-2005 12:52

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78551.D
Lab Smp Id: G1QMX1AA Client Smp ID: RW02/122104
Inj Date : 03-JAN-2005 14:46
Operator : 1904 Inst ID: a3ux7.i
Smp Info : G1QMX1AA,5ML/5ML
Misc Info : U50103A,N8260UX7-3,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m
Meth Date : 05-Jan-2005 12:43 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.964	4.961	(1.000)	932528	50.0000	
* 2 Chlorobenzene-d5	117	7.615	7.624	(1.000)	651945	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.851	9.848	(1.000)	288205	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.393	(0.886)	301673	56.3064	11.261
$ 5 1,2-Dichloroethane-d4	65	4.680	4.677	(0.943)	336937	53.2797	10.656
$ 6 Toluene-d8	98	6.313	6.310	(0.829)	1074561	50.9808	10.196
$ 7 Bromofluorobenzene	95	8.727	8.724	(1.146)	318676	44.0707	8.814
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78551.D
Report Date: 05-Jan-2005 12:52

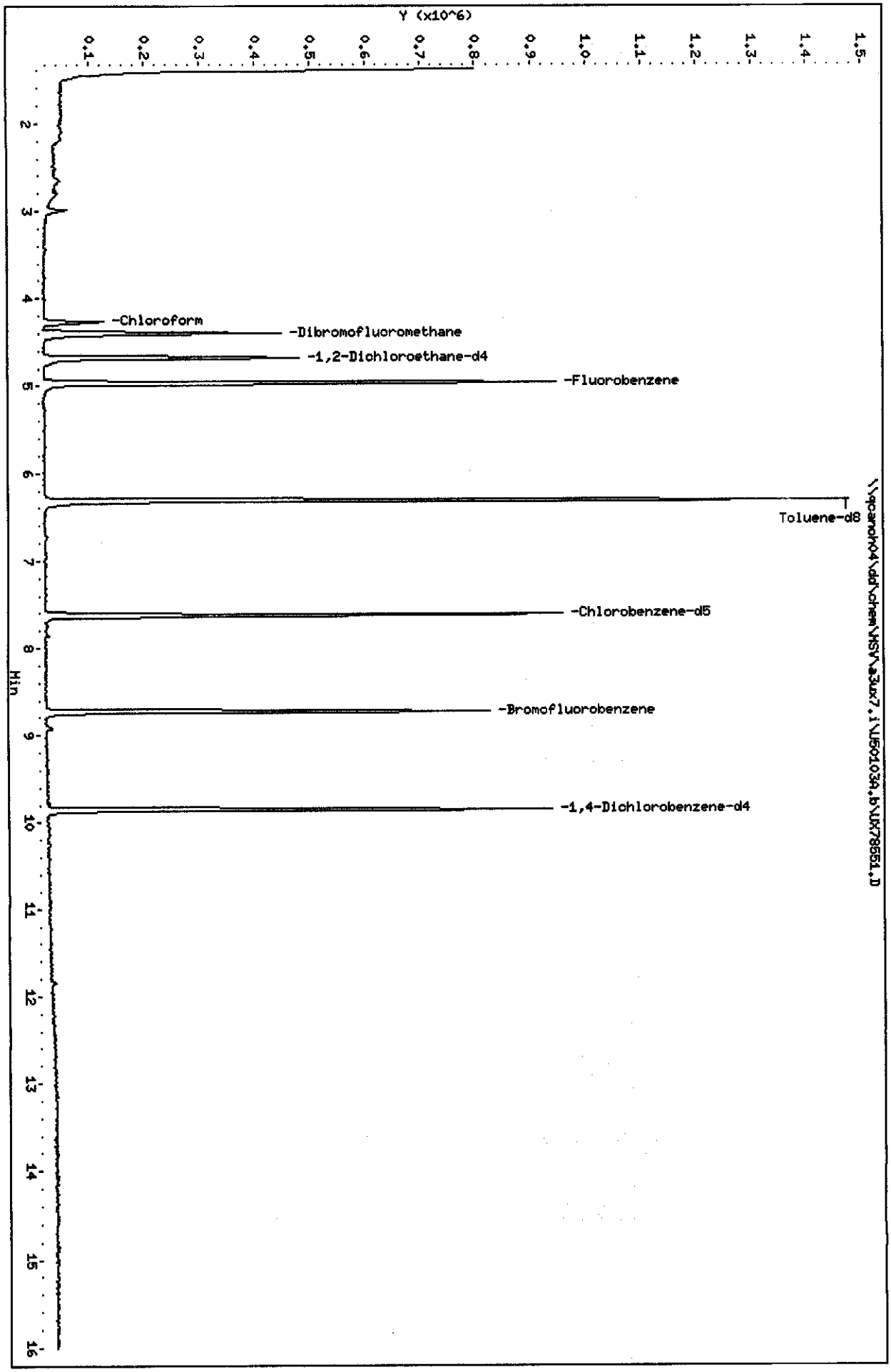
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					
22 Acetonitrile	41	Compound Not Detected.					
23 Acrylonitrile	53	Compound Not Detected.					
24 Methyl tert-butyl ether	73	Compound Not Detected.					
25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
26 Hexane	86	Compound Not Detected.					
27 Vinyl acetate	43	Compound Not Detected.					
28 1,1-Dichloroethane	63	Compound Not Detected.					
29 tert-Butyl Alcohol	59	Compound Not Detected.					
30 2-Butanone	43	Compound Not Detected.					
M 31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
32 cis-1,2-dichloroethene	96	Compound Not Detected.					
33 2,2-Dichloropropane	77	Compound Not Detected.					
34 Bromochloromethane	128	Compound Not Detected.					
35 Chloroform	83	4.266	4.263	(0.859)	93327	9.46363	1.893
36 Tetrahydrofuran	42	Compound Not Detected.					
37 1,1,1-Trichloroethane	97	Compound Not Detected.					
38 1,1-Dichloropropene	75	Compound Not Detected.					
39 Carbon Tetrachloride	117	Compound Not Detected.					
40 1,2-Dichloroethane	62	Compound Not Detected.					
41 Benzene	78	Compound Not Detected.					
42 Trichloroethene	130	Compound Not Detected.					
43 1,2-Dichloropropane	63	Compound Not Detected.					
44 1,4-Dioxane	88	Compound Not Detected.					
45 Dibromomethane	93	Compound Not Detected.					
46 Bromodichloromethane	83	Compound Not Detected.					
47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
49 4-Methyl-2-pentanone	43	Compound Not Detected.					
50 Toluene	91	Compound Not Detected.					
51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
52 Ethyl Methacrylate	69	Compound Not Detected.					
53 1,1,2-Trichloroethane	97	Compound Not Detected.					
54 1,3-Dichloropropane	76	Compound Not Detected.					
55 Tetrachloroethene	164	Compound Not Detected.					
56 2-Hexanone	43	Compound Not Detected.					
57 Dibromochloromethane	129	Compound Not Detected.					
58 1,2-Dibromoethane	107	Compound Not Detected.					
59 Chlorobenzene	112	Compound Not Detected.					
60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
61 Ethylbenzene	106	Compound Not Detected.					
62 m + p-Xylene	106	Compound Not Detected.					
M 63 Xylenes (total)	106	Compound Not Detected.					
64 Xylene-o	106	Compound Not Detected.					
65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78551.D
Report Date: 05-Jan-2005 12:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U501034.b\UX78551.D
Date : 03-JAN-2006 14:46
Client ID: RW02/122104
Sample Info: C1QHX1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78551.D

Date : 03-JAN-2005 14:46

Client ID: RW02/122104

Instrument: a3ux7.i

Sample Info: G1QMX1AA,5ML/5ML

Purge Volume: 5.0

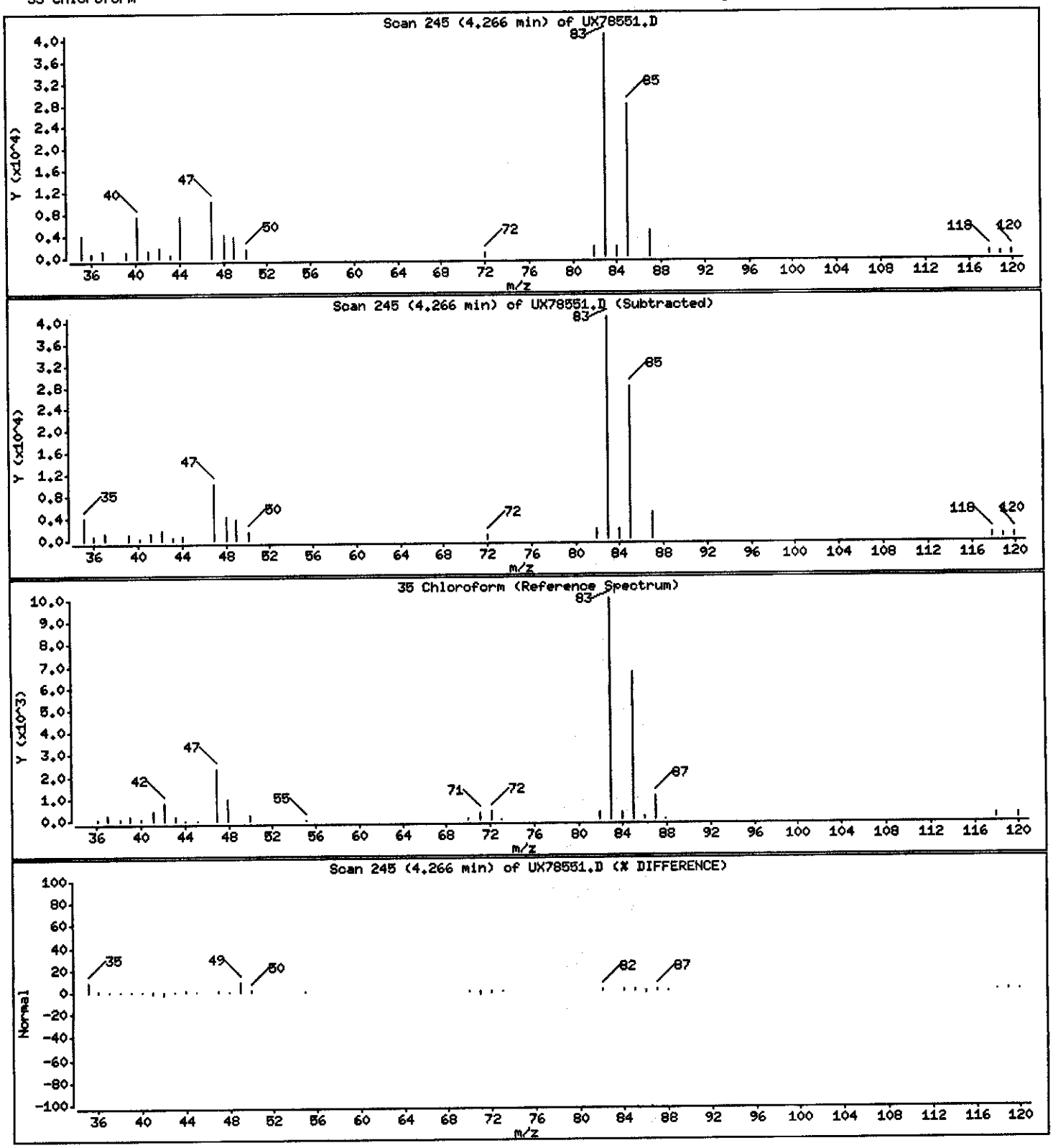
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

35 Chloroform

Concentration: 1.893 ug/L



PAYNE FIRM INC.

Client Sample ID: TB01/122004

GC/MS Volatiles

Lot-Sample #...: A4L230115-017
Date Sampled...: 12/20/04
Prep Date.....: 12/30/04
Prep Batch #...: 5003269
Dilution Factor: 1

Work Order #...: G1QM01AA
Date Received..: 12/23/04
Analysis Date..: 12/30/04

Initial Wgt/Vol: 5 mL
Method.....: SW846 8260B

Matrix.....: WG

Final Wgt/Vol..: 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**9.8 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	**3.5 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: TB01/122004

GC/MS Volatiles

Lot-Sample #...: A4L230115-017 **Work Order #...:** G1QM01AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	**0.55 J**	**10**	**ug/L**
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	**4.1 B**	**1.0**	**ug/L**
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.28 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	117	(73 - 122)
1,2-Dichloroethane-d4	117	(61 - 128)
Toluene-d8	104	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78534.D
Report Date: 03-Jan-2005 15:57

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78534.D
Lab Smp Id: G1QM01AA Client Smp ID: TB01/122004
Inj Date : 30-DEC-2004 20:42
Operator : 1904 Inst ID: a3ux7.i
Smp Info : G1QM01AA,5ML/5ML
Misc Info : U41230A,N8260UX7-3,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m
Meth Date : 03-Jan-2005 15:41 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

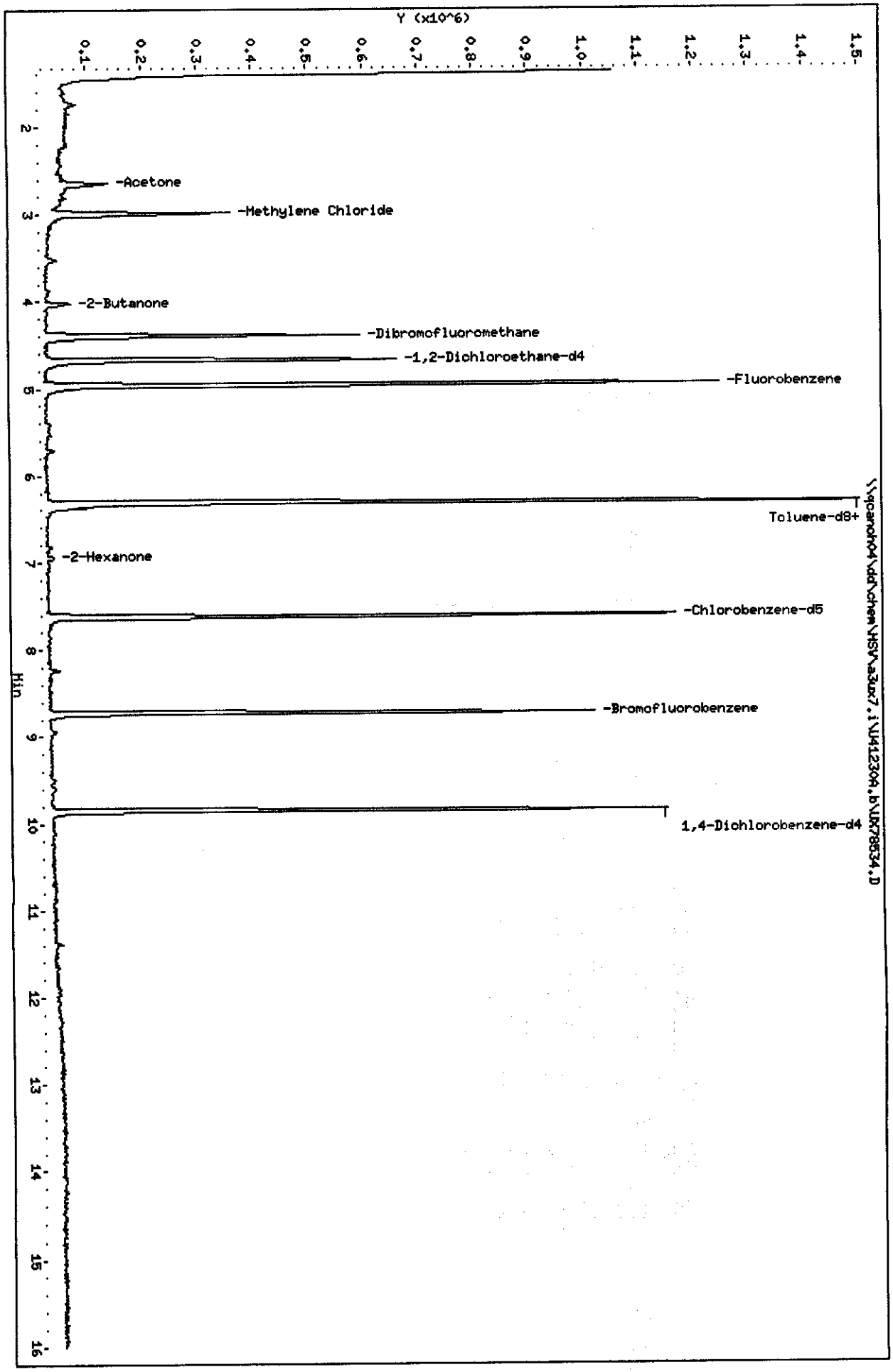
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.962	4.961	(1.000)	1207036	50.0000	
* 2 Chlorobenzene-d5	117	7.624	7.623	(1.000)	792423	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.849	9.848	(1.000)	336459	50.0000	
$ 4 Dibromofluoromethane	113	4.394	4.393	(0.886)	406155	58.5672	11.713
$ 5 1,2-Dichloroethane-d4	65	4.678	4.677	(0.943)	477990	58.3947	11.679
$ 6 Toluene-d8	98	6.311	6.310	(0.828)	1332639	52.0166	10.403
$ 7 Bromofluorobenzene	95	8.725	8.724	(1.144)	398546	45.3454	9.069
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.643	2.642	(0.533)	181212	48.9340	9.787
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78534.D
Report Date: 03-Jan-2005 15:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	2.986	2.985	(0.602)	184002	20.3504	4.070
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.027	4.014	(0.812)	74633	17.6031	3.521
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.370	6.369	(0.835)	44118	1.42165	0.2843
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	6.938	6.937	(0.910)	14552	2.76664	0.5533
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78534.D
Report Date: 03-Jan-2005 15:57

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					


Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U412309.b\UX78534.D
Date : 30-DEC-2004 20:42
Client ID: TB01/122004
Sample Info: G1QH01AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
-Acetone
-Methylene Chloride
-2-Butanone
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
Toluene-d8+
-2-Hexanone
-Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
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Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78534.D

Date : 30-DEC-2004 20:42

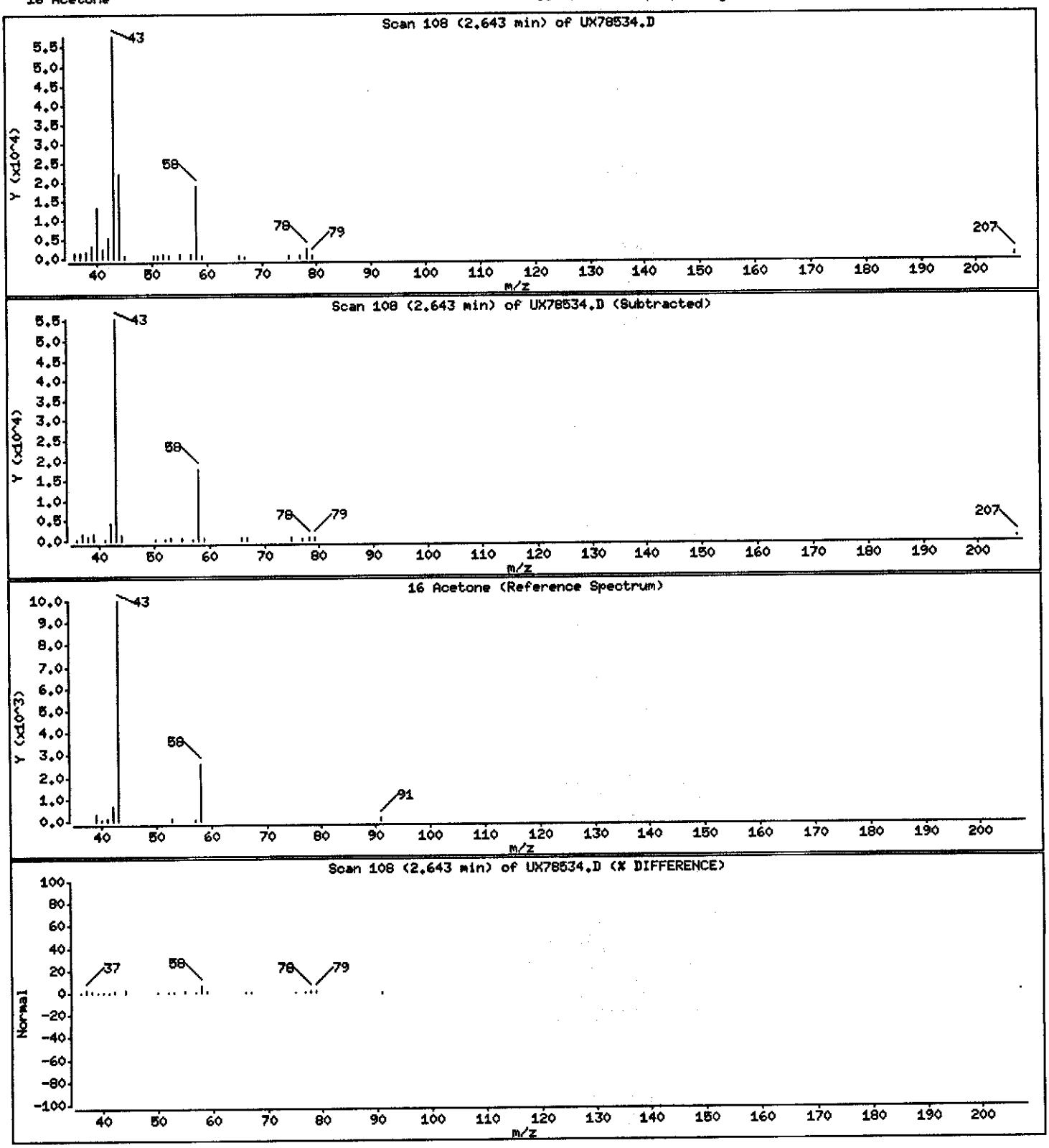
Client ID: TB01/122004 Instrument: a3ux7.i

Sample Info: G1QM01AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 9.787 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78534.D

Date : 30-DEC-2004 20:42

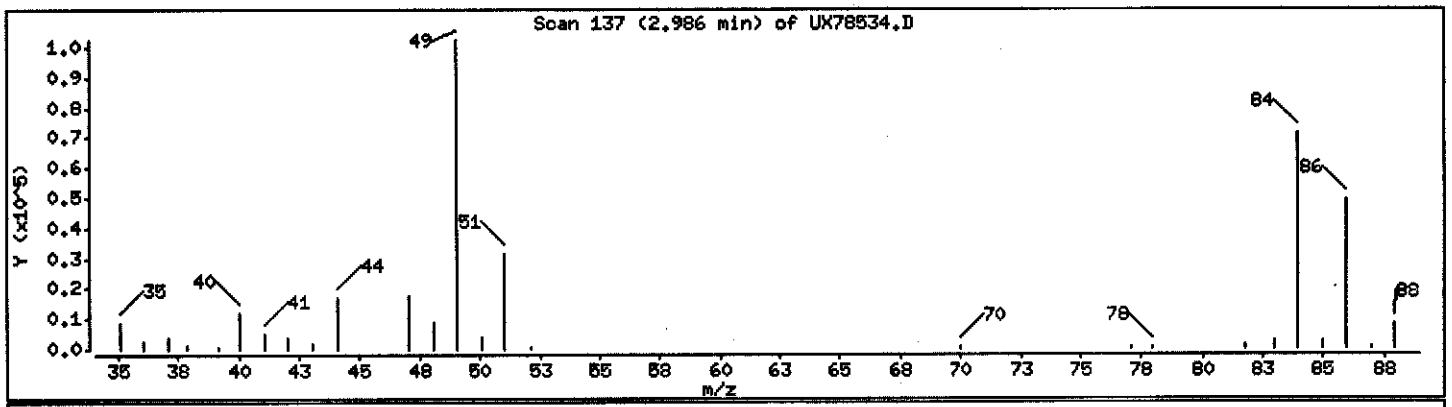
Client ID: TB01/122004 Instrument: a3ux7.i

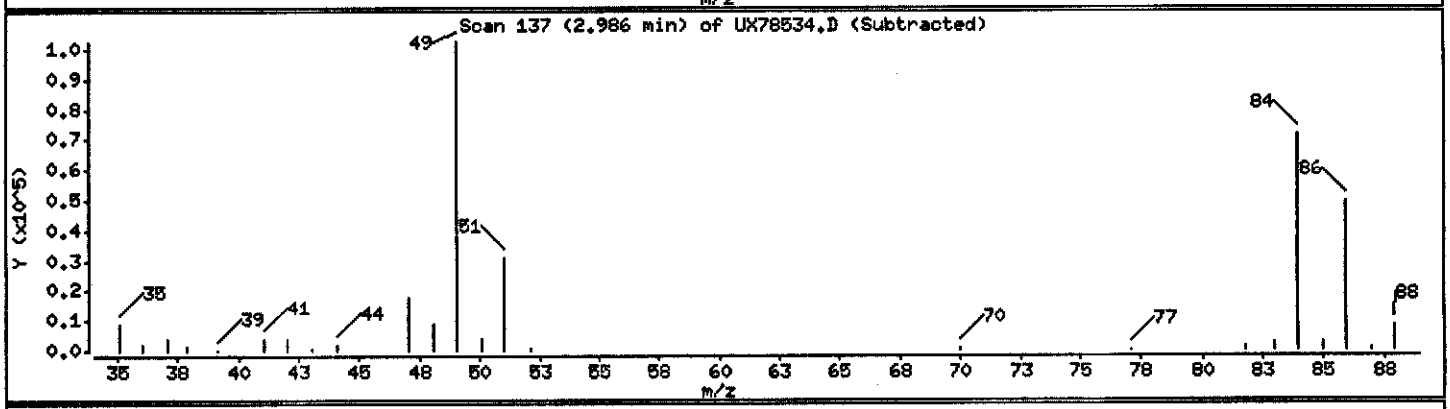
Sample Info: G1QM01AA,5ML/5ML

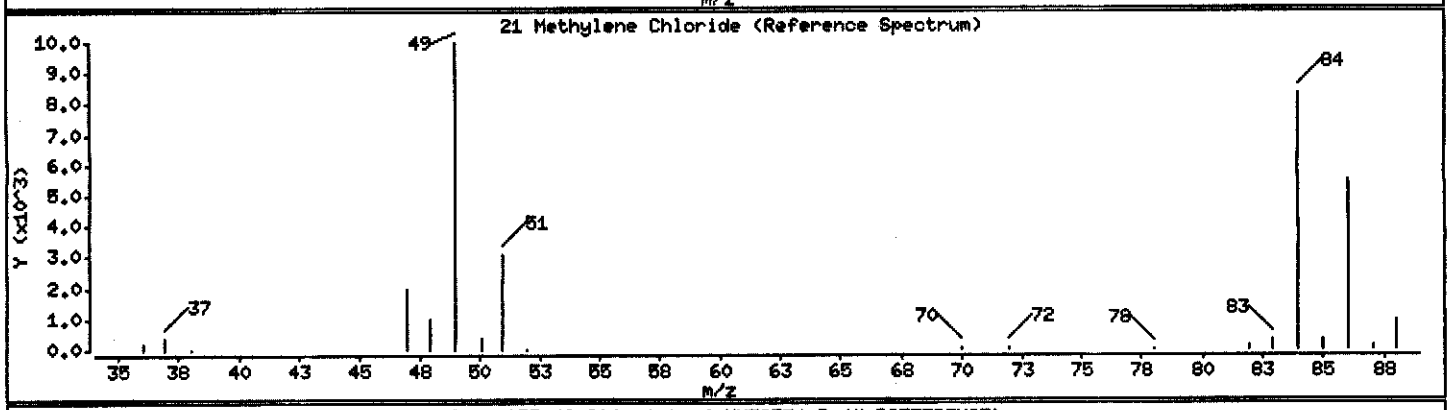
Purge Volume: 5.0 Operator: 1904

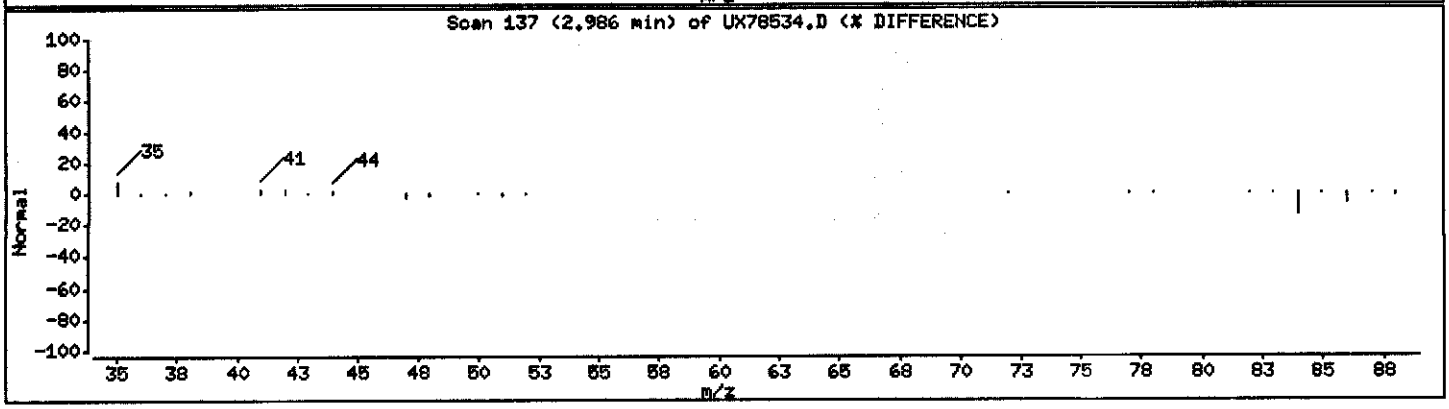
Column phase: DB624 20m Column diameter: 0.18

21 Methylene Chloride Concentration: 4.070 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78534.D

Date : 30-DEC-2004 20:42

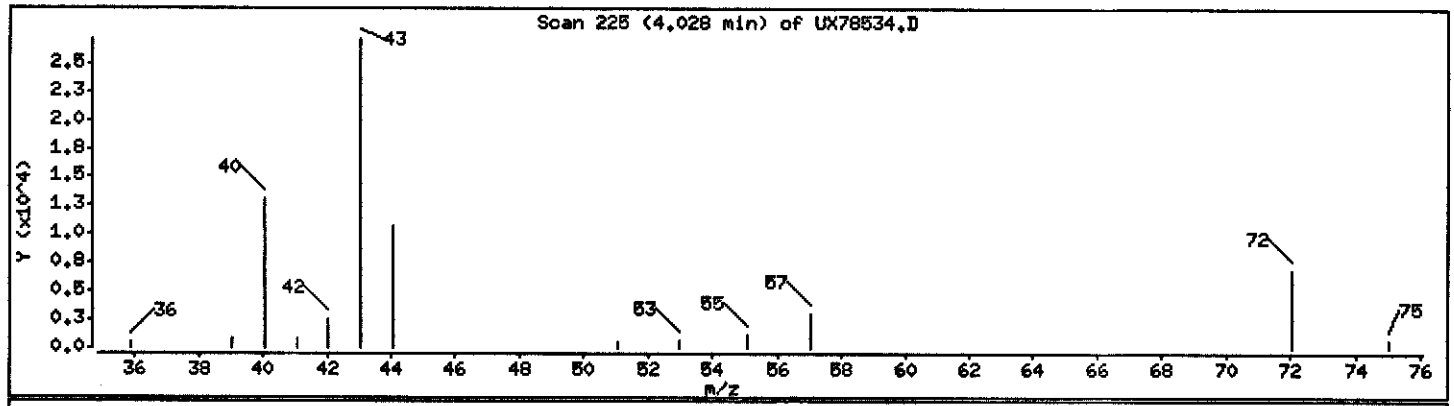
Client ID: TB01/122004 Instrument: a3ux7.i

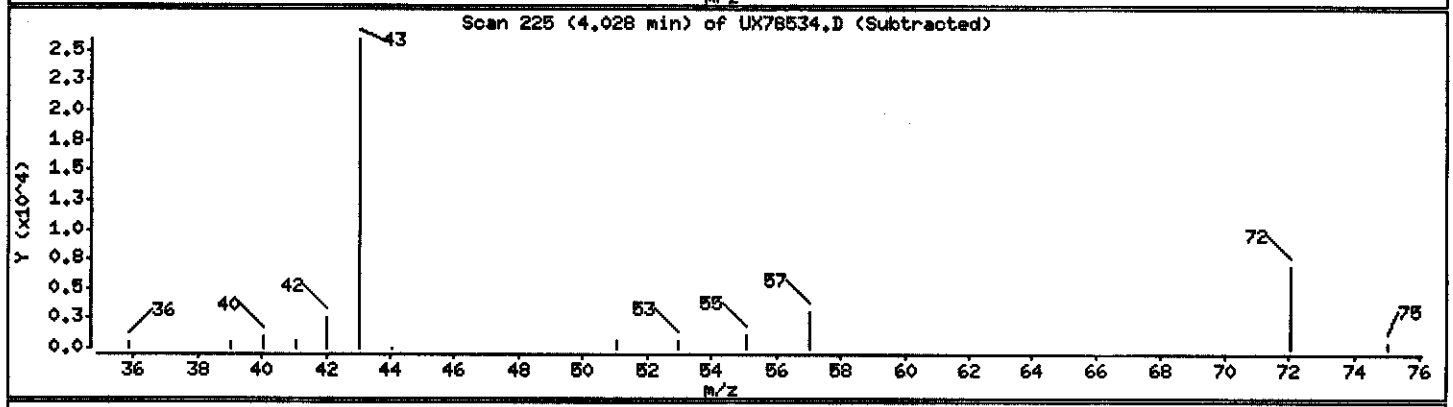
Sample Info: G1QM01AA,5ML/5ML

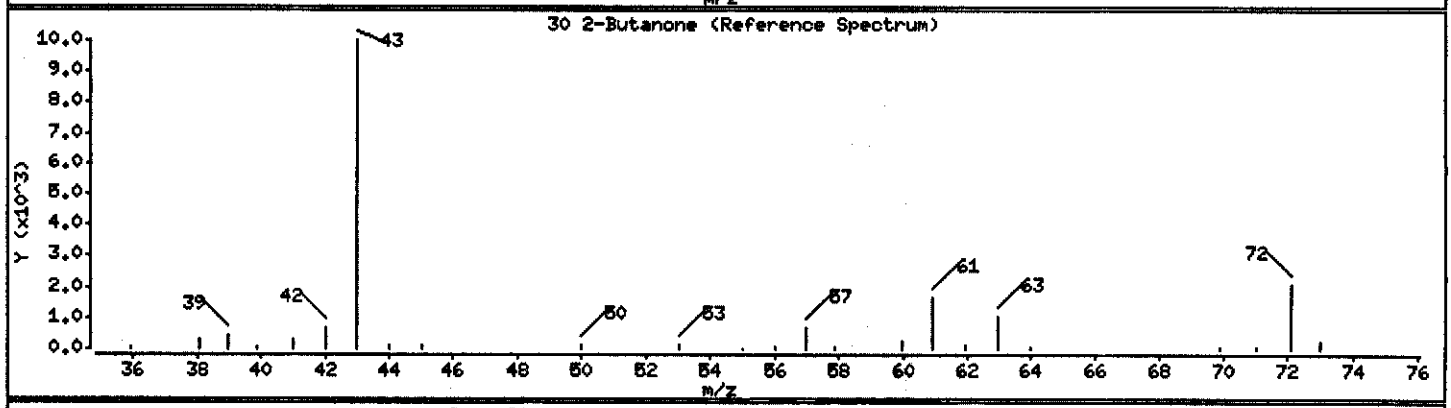
Purge Volume: 5.0 Operator: 1904

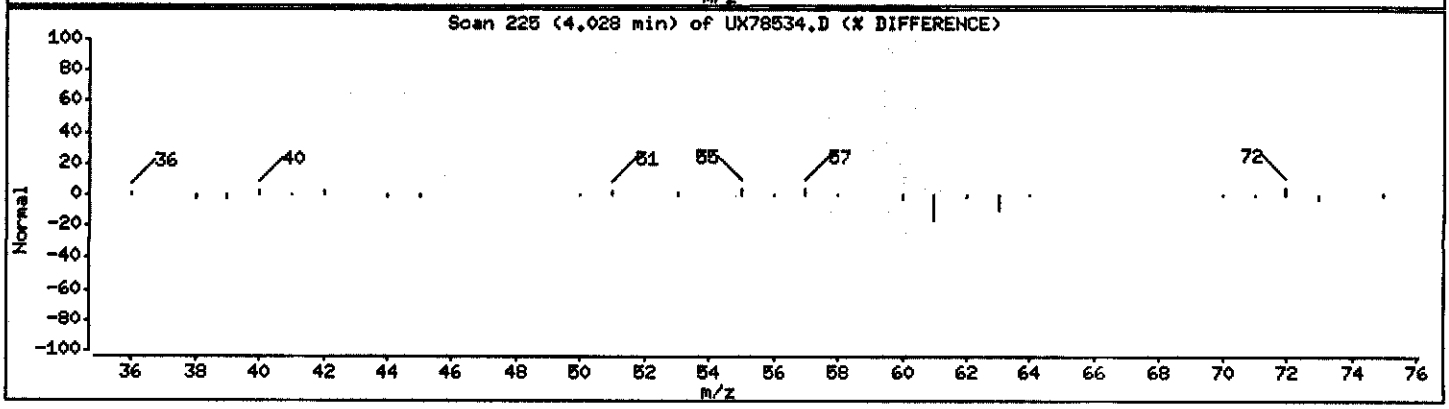
Column phase: DB624 20m Column diameter: 0.18

30 2-Butanone Concentration: 3.521 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78534.D

Date : 30-DEC-2004 20:42

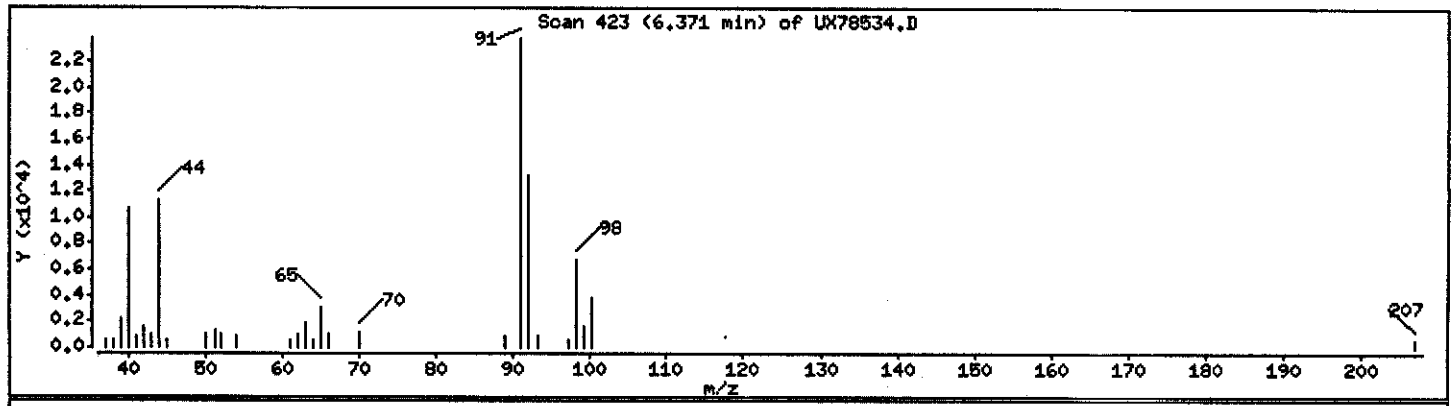
Client ID: TB01/122004 Instrument: a3ux7.i

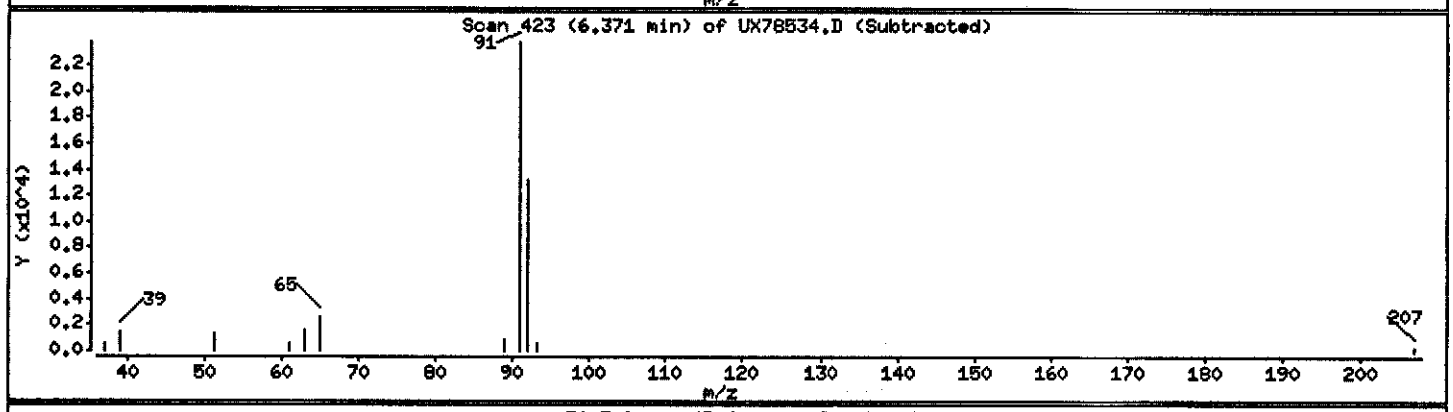
Sample Info: G1QM01AA,5ML/5ML

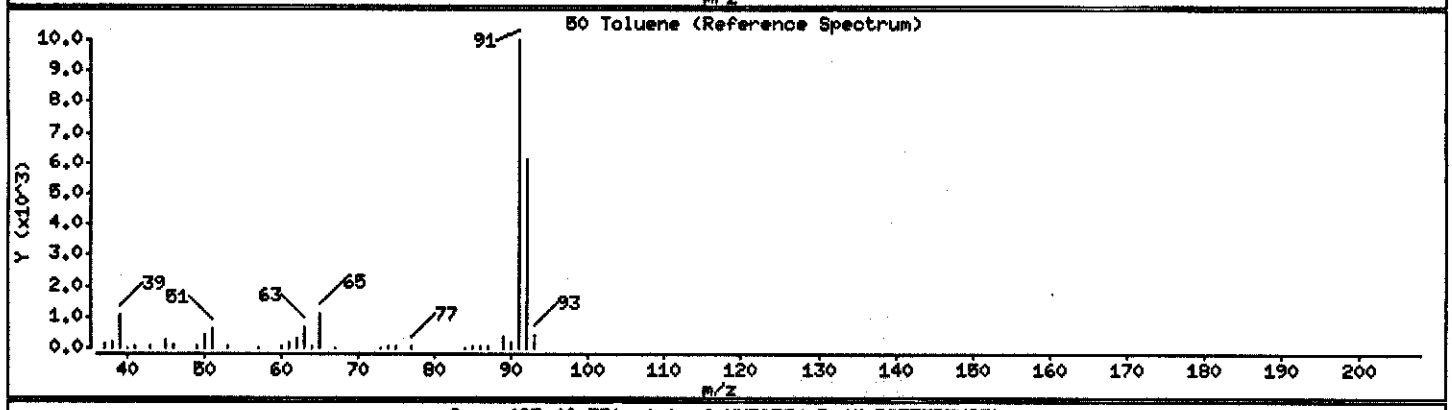
Purge Volume: 5.0 Operator: 1904

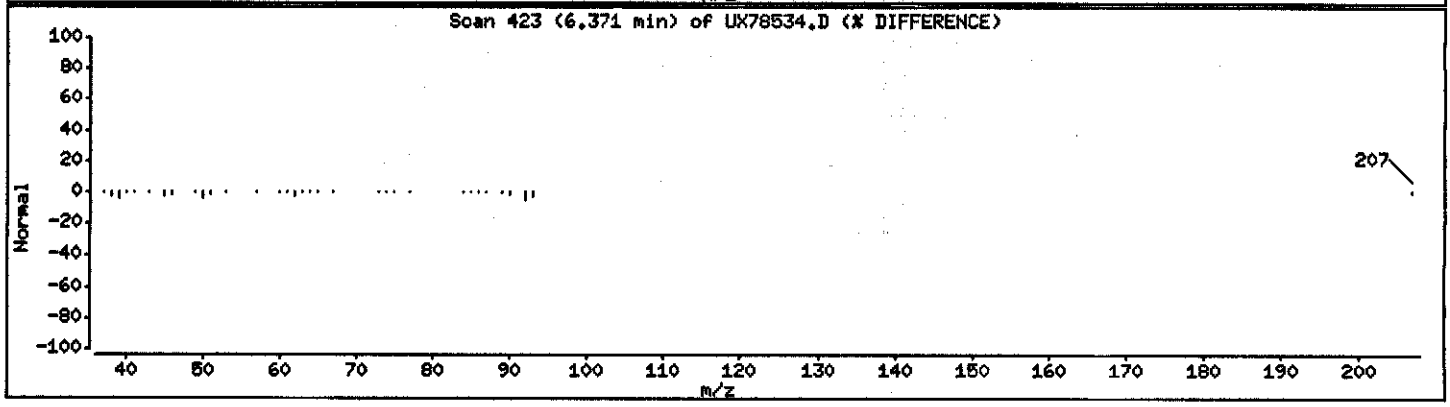
Column phase: DB624 20m Column diameter: 0.18

50 Toluene Concentration: 0.2843 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78534.D

Date : 30-DEC-2004 20:42

Client ID: TB01/122004

Instrument: a3ux7.i

Sample Info: G1QM01AA,5ML/5ML

Purge Volume: 5.0

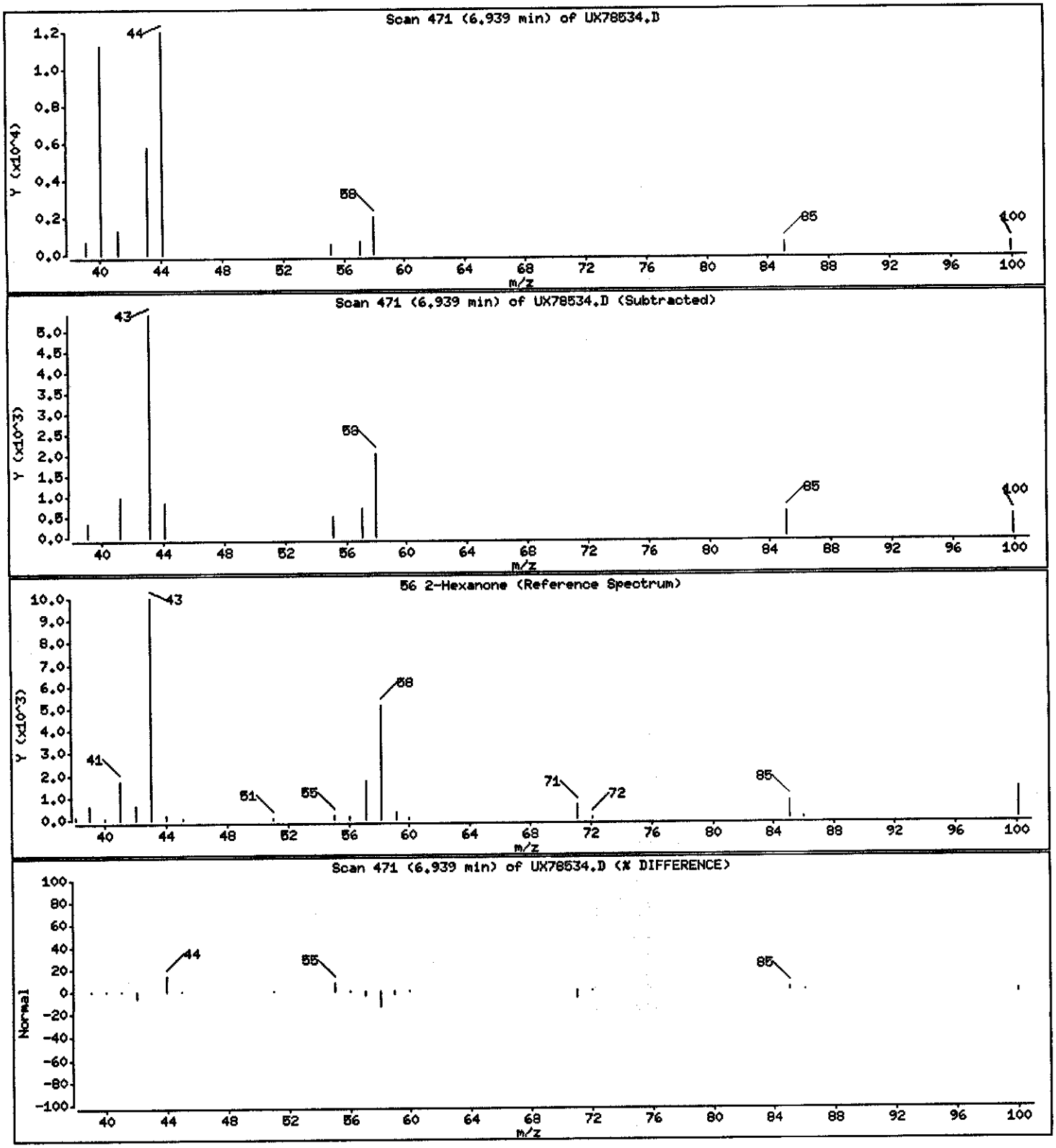
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

56 2-Hexanone

Concentration: 0.5533 ug/L



SEVERN TRENT STL

STANDARD DATA

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
Start Cal Date: 17-DEC-2004 16:52
End Cal Date : 17-DEC-2004 18:46
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
17-DEC-2004 18:46	1-8260	UX78149.D
Cal Level: 2 , Cal Amount: 10.000		
17-DEC-2004 18:23	1-8260	UX78148.D
Cal Level: 3 , Cal Amount: 25.000		
17-DEC-2004 18:00	1-8260	UX78147.D
Cal Level: 4 , Cal Amount: 50.000		
17-DEC-2004 17:37	1-8260	UX78146.D
Cal Level: 5 , Cal Amount: 100.00		
17-DEC-2004 17:15	1-8260	UX78145.D
Cal Level: 6 , Cal Amount: 200.00		
17-DEC-2004 16:52	1-8260	UX78144.D

Continuing Calibration

17-DEC-2004 17:37	1-8260	UX78146.D

Report Date : 18-Dec-2004 11:07

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 17-DEC-2004 16:52
End Cal Date : 17-DEC-2004 18:46
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
Cal Date : 18-Dec-2004 11:05 quayler
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78149.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78148.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78147.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78146.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78145.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78144.D

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
8 Dichlorodifluoromethane	0.19761	0.20679	0.21031	0.21186	0.18857	0.19738	0.20209	4.482
9 Chloromethane	0.35642	0.32742	0.31690	0.30165	0.31796	0.30932	0.32161	5.949
10 Vinyl Chloride	0.30608	0.31700	0.30555	0.29862	0.30761	0.29532	0.30503	2.482
11 Bromomethane	0.19783	0.18079	0.16821	0.16985	0.15707	0.14109	0.16914	11.504
12 Chloroethane	0.19784	0.19925	0.19826	0.19269	0.19706	0.18534	0.19507	2.710
13 Trichlorofluoromethane	0.29529	0.31393	0.31314	0.30505	0.29022	0.28594	0.30060	3.952
14 Dichlorofluoromethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
15 Acrolein	0.04104	0.03931	0.03978	0.03857	0.04244	0.04019	0.04022	3.394
16 Acetone	0.28627	0.16988	0.14659	0.13220	0.14195	0.12796	0.16747	35.839
17 1,1-Dichloroethene	0.31477	0.30356	0.29156	0.27547	0.27906	0.28236	0.29113	5.280
18 Freon-113	0.16186	0.19073	0.19117	0.18541	0.16072	0.17253	0.17707	7.884
19 Iodomethane	0.47606	0.47868	0.47090	0.45105	0.47743	0.47590	0.47167	2.214
20 Carbon Disulfide	1.05036	1.08346	1.03029	0.99820	1.02558	1.04599	1.03898	2.748
21 Methylene Chloride	0.53106	0.42323	0.35748	0.32610	0.33990	0.34072	0.38642	20.379
22 Acetonitrile	0.04304	0.03907	0.03423	0.02822	0.03258	0.03337	0.03509	14.876
23 Acrylonitrile	0.11340	0.11094	0.11269	0.10463	0.11772	0.11338	0.11213	3.834
24 Methyl tert-butyl ether	0.83001	0.84199	0.85148	0.80882	0.89886	0.87932	0.85175	3.855
25 trans-1,2-Dichloroethene	0.33817	0.34452	0.33279	0.31907	0.34246	0.34559	0.33710	2.969
26 Hexane	0.07573	0.08474	0.08223	0.08153	0.07040	0.07736	0.07866	6.643
27 Vinyl acetate	0.46789	0.41576	0.43440	0.43537	0.52889	0.56646	0.47480	12.654
28 1,1-Dichloroethane	0.56737	0.55433	0.54958	0.52186	0.56574	0.57385	0.55545	3.368
29 tert-Butyl Alcohol	0.01813	0.02191	0.02166	0.01659	0.01864	0.01795	0.01915	11.265
30 2-Butanone	0.18124	0.15736	0.16628	0.17115	0.19847	0.17927	0.17563	8.084
M 31 1,2-Dichloroethene (total)	0.34325	0.34481	0.33919	0.32758	0.35020	0.35421	0.34321	2.711
32 cis-1,2-dichloroethene	0.34834	0.34510	0.34560	0.33608	0.35794	0.36283	0.34931	2.760

Report Date : 18-Dec-2004 11:07

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 17-DEC-2004 16:52
End Cal Date : 17-DEC-2004 18:46
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
Cal Date : 18-Dec-2004 11:05 quayler
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	33 2,2-Dichloropropane	0.38215	0.37114	0.36604	0.35217	0.36824	0.36206	0.36696	2.707	
	34 Bromochloromethane	0.17198	0.17811	0.17247	0.16724	0.17740	0.17992	0.17452	2.737	
	35 Chloroform	0.53751	0.53007	0.52354	0.50097	0.53888	0.54158	0.52876	2.861	
	36 Tetrahydrofuran	0.12622	0.09734	0.08786	0.08372	0.08807	0.08400	0.09453	17.227	
	37 1,1,1-Trichloroethane	0.45700	0.43365	0.41706	0.40399	0.41122	0.42017	0.42385	4.487	
	38 1,1-Dichloropropene	0.43816	0.42669	0.42431	0.41426	0.43390	0.44532	0.43044	2.558	
	39 Carbon Tetrachloride	0.31239	0.32927	0.33358	0.32813	0.34140	0.35410	0.33315	4.199	
	40 1,2-Dichloroethane	0.40074	0.39345	0.40156	0.38134	0.41420	0.41322	0.40075	3.091	
	41 Benzene	1.43190	1.32071	1.29054	1.24437	1.36920	1.39878	1.34258	5.233	
	42 Trichloroethene	0.37610	0.35520	0.36981	0.35385	0.38079	0.37225	0.36800	3.012	
	43 1,2-Dichloropropane	0.29379	0.29426	0.30396	0.29042	0.32413	0.33551	0.30701	6.054	
	44 1,4-Dioxane	0.00224	0.00220	0.00263	0.00234	0.00269	0.00256	0.00244	8.578	<-
	45 Dibromomethane	0.18117	0.18128	0.18634	0.17778	0.19305	0.19028	0.18498	3.200	
	46 Bromodichloromethane	0.37615	0.37376	0.37035	0.36675	0.40317	0.40998	0.38336	4.797	
	47 2-Chloroethyl vinyl ether	0.15564	0.15482	0.16739	0.16289	0.19588	0.19896	0.17259	11.477	
	48 cis-1,3-Dichloropropene	0.45685	0.46842	0.48305	0.47554	0.53790	0.55234	0.49568	7.973	
	49 4-Methyl-2-pentanone	0.25024	0.25074	0.24225	0.23930	0.28911	0.26694	0.25643	7.282	
	50 Toluene	1.94672	1.86592	1.93832	1.86159	2.02710	2.10894	1.95810	4.890	
	51 trans-1,3-Dichloropropene	0.57228	0.56256	0.60644	0.60283	0.68687	0.69506	0.62101	9.153	
	52 Ethyl Methacrylate	0.49469	0.47804	0.50785	0.50617	0.56265	0.57226	0.52028	7.339	
	53 1,1,2-Trichloroethane	0.37603	0.36706	0.38218	0.36382	0.39726	0.40035	0.38112	3.987	
	54 1,3-Dichloropropane	0.66583	0.66685	0.67692	0.66111	0.73198	0.73577	0.68974	5.015	
	55 Tetrachloroethene	0.41105	0.39429	0.41478	0.39353	0.41169	0.42195	0.40788	2.818	
	56 2-Hexanone	0.35495	0.30237	0.30360	0.32320	0.37582	0.33135	0.33188	8.742	
	57 Dibromochloromethane	0.39810	0.38425	0.40085	0.38916	0.43228	0.43806	0.40711	5.554	
	58 1,2-Dibromoethane	0.37619	0.36723	0.38992	0.37356	0.41072	0.39986	0.38625	4.366	
	59 Chlorobenzene	1.20841	1.19498	1.21038	1.16379	1.28753	1.30484	1.22832	4.512	
	60 1,1,1,2-Tetrachloroethane	0.37644	0.36777	0.39275	0.37717	0.40967	0.41844	0.39037	5.181	
	61 Ethylbenzene	0.62039	0.60937	0.63219	0.60879	0.67074	0.69215	0.63894	5.429	
	62 m + p-Xylene	0.77025	0.74852	0.79934	0.75935	0.83464	0.86481	0.79615	5.756	
M	63 Xylenes (total)	0.75693	0.73883	0.77958	0.74791	0.81954	0.84485	0.78127	5.435	
	64 Xylene-o	0.73029	0.71945	0.74006	0.72504	0.78934	0.80494	0.75152	4.833	
	65 Styrene	1.20159	1.22694	1.26226	1.23891	1.38994	1.43400	1.29227	7.411	

Report Date : 18-Dec-2004 11:07

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 17-DEC-2004 16:52
End Cal Date : 17-DEC-2004 18:46
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
Cal Date : 18-Dec-2004 11:05 quayler
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
66 Bromoform	0.25012	0.24950	0.26610	0.26057	0.28675	0.28870	0.26696	6.475	
67 Isopropylbenzene	1.68566	1.70821	1.73369	1.68761	1.78530	1.85949	1.74333	3.891	
68 1,1,2,2-Tetrachloroethane	0.86842	0.86430	0.87028	0.85444	0.91119	0.91107	0.87995	2.815	
69 1,4-Dichloro-2-butene	0.23723	0.23616	0.24816	0.24633	0.26981	0.26717	0.25081	5.792	
70 1,2,3-Trichloropropane	0.28931	0.28056	0.29753	0.29401	0.30351	0.29035	0.29254	2.675	
71 Bromobenzene	1.00223	1.01120	0.99790	0.97025	1.06880	1.06396	1.01906	3.842	
72 n-Propylbenzene	0.97674	0.99804	1.02809	1.02454	1.08655	1.10698	1.03682	4.868	
73 2-Chlorotoluene	0.87074	0.89436	0.91589	0.88654	0.96254	0.97268	0.91713	4.563	
74 1,3,5-Trimethylbenzene	2.87271	2.94443	3.02068	2.95512	3.19128	3.27290	3.04285	5.129	
75 4-Chlorotoluene	0.89875	0.90684	0.92943	0.92244	0.99198	1.01567	0.94419	5.089	
76 tert-Butylbenzene	2.53462	2.56406	2.57421	2.54055	2.67923	2.73791	2.60510	3.207	
77 1,2,4-Trimethylbenzene	2.97755	3.05556	3.08915	3.02538	3.26177	3.33979	3.12487	4.584	
78 sec-Butylbenzene	3.51744	3.62401	3.67725	3.62527	3.79168	3.92494	3.69343	3.904	
79 4-Isopropyltoluene	2.96877	3.08184	3.07924	3.02198	3.22232	3.34696	3.12018	4.477	
80 1,3-Dichlorobenzene	1.93229	1.84433	1.84472	1.78459	1.94472	1.96083	1.88525	3.744	
81 1,4-Dichlorobenzene	1.93514	1.93167	1.90322	1.84513	2.00382	2.01964	1.93977	3.330	
82 n-Butylbenzene	2.68231	2.73332	2.74281	2.65674	2.81297	2.95336	2.76358	3.891	
83 1,2-Dichlorobenzene	1.80516	1.78495	1.79995	1.72476	1.86272	1.86614	1.80728	2.918	
84 1,2-Dibromo-3-chloropropane	0.18960	0.18400	0.20460	0.20413	0.21898	0.20008	0.20023	6.168	
85 1,2,4-Trichlorobenzene	1.37715	1.28551	1.28747	1.24276	1.36364	1.34972	1.31771	4.050	
86 Hexachlorobutadiene	0.53137	0.53950	0.52243	0.49773	0.51050	0.53208	0.52227	2.987	
87 Naphthalene	3.61837	3.55873	3.35830	3.17699	3.49206	3.16315	3.39460	5.724	
88 1,2,3-Trichlorobenzene	1.20993	1.25099	1.21087	1.16251	1.25082	1.21062	1.21596	2.700	
89 Ethyl Ether	*****	*****	*****	*****	*****	*****	*****	*****	<-
90 Ethanol	*****	*****	*****	*****	*****	*****	*****	*****	<-
91 3-Chloropropene	*****	*****	*****	*****	*****	*****	*****	*****	<-
92 Isopropyl Ether	*****	*****	*****	*****	*****	*****	*****	*****	<-
93 2-Chloro-1,3-butadiene	*****	*****	*****	*****	*****	*****	*****	*****	<-
94 Propionitrile	*****	*****	*****	*****	*****	*****	*****	*****	<-
95 Ethyl Acetate	*****	*****	*****	*****	*****	*****	*****	*****	<-
96 Methacrylonitrile	*****	*****	*****	*****	*****	*****	*****	*****	<-
97 Isobutanol	*****	*****	*****	*****	*****	*****	*****	*****	<-
98 Cyclohexane	0.53709	0.56214	0.54755	0.52384	0.47730	0.51823	0.52769	5.566	

Report Date : 18-Dec-2004 11:07

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 17-DEC-2004 16:52
End Cal Date : 17-DEC-2004 18:46
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
Cal Date : 18-Dec-2004 11:05 quayler
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
99 n-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
100 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
101 2-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M 137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 1,3,5-Trichlorobenzene	1.40665	1.36904	1.37368	1.32219	1.43285	1.45959	1.39400	3.538	
143 Methyl Acetate	0.29369	0.25002	0.23584	0.22426	0.24542	0.23081	0.24667	10.085	
144 Methylcyclohexane	0.49785	0.51904	0.53198	0.51617	0.46294	0.51076	0.50646	4.748	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 4 Dibromofluoromethane	0.29279	0.28569	0.28016	0.26319	0.30150	0.30027	0.28727	5.008	
$ 5 1,2-Dichloroethane-d4	0.34282	0.33685	0.31441	0.32202	0.36196	0.35639	0.33907	5.505	
$ 6 Toluene-d8	1.62815	1.51522	1.58466	1.50420	1.72312	1.74381	1.61653	6.284	
$ 7 Bromofluorobenzene	0.57017	0.52593	0.54562	0.51681	0.58436	0.58455	0.55457	5.322	

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tart Cal Date : 17-DEC-2004 16:52
nd Cal Date : 17-DEC-2004 18:46
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
al Date : 18-Dec-2004 11:05 quayler

alibration File Names:
evel 1: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78149.D
evel 2: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78148.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78147.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78146.D
evel 5: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78145.D
evel 6: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78144.D

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
8 Dichlorodifluoromethane	0.19761	0.20679	0.21031	0.21186	0.18857	0.19738	AVRG		0.20209		4.48175	
9 Chloromethane	0.35642	0.32742	0.31690	0.30165	0.31796	0.30932	AVRG		0.32161		5.94881	
10 Vinyl Chloride	0.30608	0.31700	0.30555	0.29862	0.30761	0.29532	AVRG		0.30503		2.48193	
11 Bromomethane	0.19783	0.18079	0.16821	0.16985	0.15707	0.14109	AVRG		0.16914		11.50388	
12 Chloroethane	0.19784	0.19925	0.19826	0.19269	0.19706	0.18534	AVRG		0.19507		2.70973	
13 Trichlorofluoromethane	0.29529	0.31393	0.31314	0.30505	0.29022	0.28594	AVRG		0.30060		3.95190	
14 Dichlorofluoromethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
15 Acrolein	0.04104	0.03931	0.03978	0.03857	0.04244	0.04019	AVRG		0.04022		3.39387	
16 Acetone	59744	71255	158724	292367	642048	1177814	WLINR	-0.20524	0.12681		0.99548	

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Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
Cal Date : 18-Dec-2004 11:05 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
17 1,1-Dichloroethene	0.31477	0.30356	0.29156	0.27547	0.27906	0.28236	AVRG		0.29113		5.27952
18 Freon-113	0.16186	0.19073	0.19117	0.18541	0.16072	0.17253	AVRG		0.17707		7.88444
19 Iodomethane	0.47606	0.47868	0.47090	0.45105	0.47743	0.47590	AVRG		0.47167		2.21378
20 Carbon Disulfide	1.05036	1.08346	1.03029	0.99820	1.02558	1.04599	AVRG		1.03898		2.74795
21 Methylene Chloride	55416	88761	193533	360602	768712	1568153	WLINR	-0.05372	0.33087		0.99888
22 Acetonitrile	0.04304	0.03907	0.03423	0.02822	0.03258	0.03337	AVRG		0.03509		14.87558
23 Acrylonitrile	0.11340	0.11094	0.11269	0.10463	0.11772	0.11338	AVRG		0.11213		3.83357
24 Methyl tert-butyl ether	0.83001	0.84199	0.85148	0.80882	0.89886	0.87932	AVRG		0.85175		3.85490
25 trans-1,2-Dichloroethene	0.33817	0.34452	0.33279	0.31907	0.34246	0.34559	AVRG		0.33710		2.96852
26 Hexane	0.07573	0.08474	0.08223	0.08153	0.07040	0.07736	AVRG		0.07866		6.64295
27 Vinyl acetate	0.46789	0.41576	0.43440	0.43537	0.52889	0.56646	AVRG		0.47480		12.65358
28 1,1-Dichloroethane	0.56737	0.55433	0.54958	0.52186	0.56574	0.57385	AVRG		0.55545		3.36829
29 tert-Butyl Alcohol	0.01813	0.02191	0.02166	0.01659	0.01864	0.01795	AVRG		0.01915		11.26522
30 2-Butanone	0.18124	0.15736	0.16628	0.17115	0.19847	0.17927	AVRG		0.17563		8.08377
M 31 1,2-Dichloroethene (total)	0.34325	0.34481	0.33919	0.32758	0.35020	0.35421	AVRG		0.34321		2.71136
32 cis-1,2-dichloroethene	0.34834	0.34510	0.34560	0.33608	0.35794	0.36283	AVRG		0.34931		2.75965
33 2,2-Dichloropropane	0.38215	0.37114	0.36604	0.35217	0.36824	0.36206	AVRG		0.36696		2.70721

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Target Version : 4.04
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Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
Cal Date : 18-Dec-2004 11:05 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
34 Bromochloromethane	0.17198	0.17811	0.17247	0.16724	0.17740	0.17992	AVRG		0.17452		2.73651	
35 Chloroform	0.53751	0.53007	0.52354	0.50097	0.53888	0.54158	AVRG		0.52876		2.86145	
36 Tetrahydrofuran	13171	20414	47566	92576	199177	386607	WLINR	-0.04239	0.08348		0.99904	
37 1,1,1-Trichloroethane	0.45700	0.43365	0.41706	0.40399	0.41122	0.42017	AVRG		0.42385		4.48710	
38 1,1-Dichloropropene	0.43816	0.42669	0.42431	0.41426	0.43390	0.44532	AVRG		0.43044		2.55829	
39 Carbon Tetrachloride	0.31239	0.32927	0.33358	0.32813	0.34140	0.35410	AVRG		0.33315		4.19855	
40 1,2-Dichloroethane	0.40074	0.39345	0.40156	0.38134	0.41420	0.41322	AVRG		0.40075		3.09083	
41 Benzene	1.43190	1.32071	1.29054	1.24437	1.36920	1.39878	AVRG		1.34258		5.23254	
42 Trichloroethene	0.37610	0.35520	0.36981	0.35385	0.38079	0.37225	AVRG		0.36800		3.01229	
43 1,2-Dichloropropane	0.29379	0.29426	0.30396	0.29042	0.32413	0.33551	AVRG		0.30701		6.05420	
44 1,4-Dioxane	0.00224	0.00220	0.00263	0.00234	0.00269	0.00256	AVRG		0.00244		8.57827	<-
45 Dibromomethane	0.18117	0.18128	0.18634	0.17778	0.19305	0.19028	AVRG		0.18498		3.20037	
46 Bromodichloromethane	0.37615	0.37376	0.37035	0.36675	0.40317	0.40998	AVRG		0.38336		4.79650	
47 2-Chloroethyl vinyl ether	0.15564	0.15482	0.16739	0.16289	0.19588	0.19896	AVRG		0.17259		11.47704	
48 cis-1,3-Dichloropropene	0.45685	0.46842	0.48305	0.47554	0.53790	0.55234	AVRG		0.49568		7.97252	
49 4-Methyl-2-pentanone	0.25024	0.25074	0.24225	0.23930	0.28911	0.26694	AVRG		0.25643		7.28202	
50 Toluene	1.94672	1.86592	1.93832	1.86159	2.02710	2.10894	AVRG		1.95810		4.89030	

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:ntegrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
:al Date : 18-Dec-2004 11:05 quayler

	Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	51 trans-1,3-Dichloropropene	0.57228	0.56256	0.60644	0.60283	0.68687	0.69506	AVRG		0.62101		9.15347
	52 Ethyl Methacrylate	0.49469	0.47804	0.50785	0.50617	0.56265	0.57226	AVRG		0.52028		7.33881
	53 1,1,2-Trichloroethane	0.37603	0.36706	0.38218	0.36382	0.39726	0.40035	AVRG		0.38112		3.98707
	54 1,3-Dichloropropane	0.66583	0.66685	0.67692	0.66111	0.73198	0.73577	AVRG		0.68974		5.01476
	55 Tetrachloroethene	0.41105	0.39429	0.41478	0.39353	0.41169	0.42195	AVRG		0.40788		2.81785
	56 2-Hexanone	0.35495	0.30237	0.30360	0.32320	0.37582	0.33135	AVRG		0.33188		8.74206
	57 Dibromochloromethane	0.39810	0.38425	0.40085	0.38916	0.43228	0.43806	AVRG		0.40711		5.55407
	58 1,2-Dibromoethane	0.37619	0.36723	0.38992	0.37356	0.41072	0.39986	AVRG		0.38625		4.36556
	59 Chlorobenzene	1.20841	1.19498	1.21038	1.16379	1.28753	1.30484	AVRG		1.22832		4.51171
	60 1,1,1,2-Tetrachloroethane	0.37644	0.36777	0.39275	0.37717	0.40967	0.41844	AVRG		0.39037		5.18069
	61 Ethylbenzene	0.62039	0.60937	0.63219	0.60879	0.67074	0.69215	AVRG		0.63894		5.42883
	62 m + p-Xylene	0.77025	0.74852	0.79934	0.75935	0.83464	0.86481	AVRG		0.79615		5.75578
M	63 Xylenes (total)	0.75693	0.73883	0.77958	0.74791	0.81954	0.84485	AVRG		0.78127		5.43539
	64 Xylene-o	0.73029	0.71945	0.74006	0.72504	0.78934	0.80494	AVRG		0.75152		4.83288
	65 Styrene	1.20159	1.22694	1.26226	1.23891	1.38994	1.43400	AVRG		1.29227		7.41147
	66 Bromoform	0.25012	0.24950	0.26610	0.26057	0.28675	0.28870	AVRG		0.26696		6.47528
	67 Isopropylbenzene	1.68566	1.70821	1.73369	1.68761	1.78530	1.85949	AVRG		1.74333		3.89138

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'al Date : 18-Dec-2004 11:05 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
68 1,1,2,2-Tetrachloroethane	0.86842	0.86430	0.87028	0.85444	0.91119	0.91107	AVRG		0.87995		2.81469
69 1,4-Dichloro-2-butene	0.23723	0.23616	0.24816	0.24633	0.26981	0.26717	AVRG		0.25081		5.79213
70 1,2,3-Trichloropropane	0.28931	0.28056	0.29753	0.29401	0.30351	0.29035	AVRG		0.29254		2.67504
71 Bromobenzene	1.00223	1.01120	0.99790	0.97025	1.06880	1.06396	AVRG		1.01906		3.84214
72 n-Propylbenzene	0.97674	0.99804	1.02809	1.02454	1.08655	1.10698	AVRG		1.03682		4.86788
73 2-Chlorotoluene	0.87074	0.89436	0.91589	0.88654	0.96254	0.97268	AVRG		0.91713		4.56272
74 1,3,5-Trimethylbenzene	2.87271	2.94443	3.02068	2.95512	3.19128	3.27290	AVRG		3.04285		5.12877
75 4-Chlorotoluene	0.89875	0.90684	0.92943	0.92244	0.99198	1.01567	AVRG		0.94419		5.08871
76 tert-Butylbenzene	2.53462	2.56406	2.57421	2.54055	2.67923	2.73791	AVRG		2.60510		3.20738
77 1,2,4-Trimethylbenzene	2.97755	3.05556	3.08915	3.02538	3.26177	3.33979	AVRG		3.12487		4.58436
78 sec-Butylbenzene	3.51744	3.62401	3.67725	3.62527	3.79168	3.92494	AVRG		3.69343		3.90390
79 4-Isopropyltoluene	2.96877	3.08184	3.07924	3.02198	3.22232	3.34696	AVRG		3.12018		4.47722
80 1,3-Dichlorobenzene	1.93229	1.84433	1.84472	1.78459	1.94472	1.96083	AVRG		1.88525		3.74399
81 1,4-Dichlorobenzene	1.93514	1.93167	1.90322	1.84513	2.00382	2.01964	AVRG		1.93977		3.32985
82 n-Butylbenzene	2.68231	2.73332	2.74281	2.65674	2.81297	2.95336	AVRG		2.76358		3.89124
83 1,2-Dichlorobenzene	1.80516	1.78495	1.79995	1.72476	1.86272	1.86614	AVRG		1.80728		2.91793
84 1,2-Dibromo-3-chloropropane	0.18960	0.18400	0.20460	0.20413	0.21898	0.20008	AVRG		0.20023		6.16786

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al Date : 18-Dec-2004 11:05 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
85 1,2,4-Trichlorobenzene	1.37715	1.28551	1.28747	1.24276	1.36364	1.34972	AVRG		1.31771		4.04953	
86 Hexachlorobutadiene	0.53137	0.53950	0.52243	0.49773	0.51050	0.53208	AVRG		0.52227		2.98739	
87 Naphthalene	3.61837	3.55873	3.35830	3.17699	3.49206	3.16315	AVRG		3.39460		5.72357	
88 1,2,3-Trichlorobenzene	1.20993	1.25099	1.21087	1.16251	1.25082	1.21062	AVRG		1.21596		2.70019	
89 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
92 Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
93 2-Chloro-1,3-butadiene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
94 Propionitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
95 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
96 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
97 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
98 Cyclohexane	0.53709	0.56214	0.54755	0.52384	0.47730	0.51823	AVRG		0.52769		5.56559	
99 n-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
100 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
101 2-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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Cal Date : 18-Dec-2004 11:05 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
102 Chloropicrin	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
104 Pentachloroethane	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
M 137 Total Crotononitrile	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
138 Paraldehyde	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	*****	*****	*****	*****	*****	*****	AVRG		1.39400		3.53835	
141 1,3,5-Trichlorobenzene	1.40665	1.36904	1.37368	1.32219	1.43285	1.45959	AVRG		0.24667		10.08518	
143 Methyl Acetate	0.29369	0.25002	0.23584	0.22426	0.24542	0.23081	AVRG		0.50646		4.74757	
144 Methylcyclohexane	0.49785	0.51904	0.53198	0.51617	0.46294	0.51076	AVRG		0.000e+000		0.000e+000	<-
145 Dimethoxymethane	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene												

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tart Cal Date : 17-DEC-2004 16:52
nd Cal Date : 17-DEC-2004 18:46
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
al Date : 18-Dec-2004 11:05 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 4 Dibromofluoromethane	0.29279	0.28569	0.28016	0.26319	0.30150	0.30027	AVRG		0.28727		5.00827
$ 5 1,2-Dichloroethane-d4	0.34282	0.33685	0.31441	0.32202	0.36196	0.35639	AVRG		0.33907		5.50459
$ 6 Toluene-d8	1.62815	1.51522	1.58466	1.50420	1.72312	1.74381	AVRG		1.61653		6.28397
$ 7 Bromofluorobenzene	0.57017	0.52593	0.54562	0.51681	0.58436	0.58455	AVRG		0.55457		5.32205

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78144.D
Lab Smp Id: 200NG-IC
Inj Date : 17-DEC-2004 16:52
Operator : 1904 Inst ID: a3ux7.i
Smp Info : 200NG-IC
Misc Info : U41217A-IC,N8260UX7-3,1-8260.SUB,1904,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
Meth Date : 18-Dec-2004 11:03 quayler Quant Type: ISTD
Cal Date : 17-DEC-2004 16:52 Cal File: UX78144.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.964	4.964	(1.000)	1150610	50.0000	
* 2 Chlorobenzene-d5	117	7.626	7.626	(1.000)	794964	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.851	9.851	(1.000)	390104	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.886)	1381990	200.000	213.16(A)
$ 5 1,2-Dichloroethane-d4	65	4.680	4.680	(0.943)	1640283	200.000	210.13(A)
$ 6 Toluene-d8	98	6.313	6.313	(0.828)	5545073	200.000	214.75(A)
$ 7 Bromofluorobenzene	95	8.727	8.727	(1.144)	1858789	200.000	212.30(A)
8 Dichlorodifluoromethane	85	1.450	1.450	(0.292)	908431	200.000	192.92
9 Chloromethane	50	1.580	1.580	(0.318)	1423619	200.000	202.51(A)
10 Vinyl Chloride	62	1.674	1.674	(0.337)	1359182	200.000	198.89
11 Bromomethane	94	1.935	1.935	(0.390)	649350	200.000	181.50
12 Chloroethane	64	2.018	2.018	(0.407)	852998	200.000	196.11
13 Trichlorofluoromethane	101	2.219	2.219	(0.447)	1316037	200.000	193.54
15 Acrolein	56	2.515	2.515	(0.507)	1849740	2000.00	2041.1(A)
16 Acetone	43	2.645	2.645	(0.533)	1177814	400.000	393.48(A)
17 1,1-Dichloroethene	96	2.609	2.609	(0.526)	1299559	200.000	202.47(A)
18 Freon-113	151	2.633	2.633	(0.530)	794055	200.000	192.80

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78144.D
Report Date: 18-Dec-2004 11:03

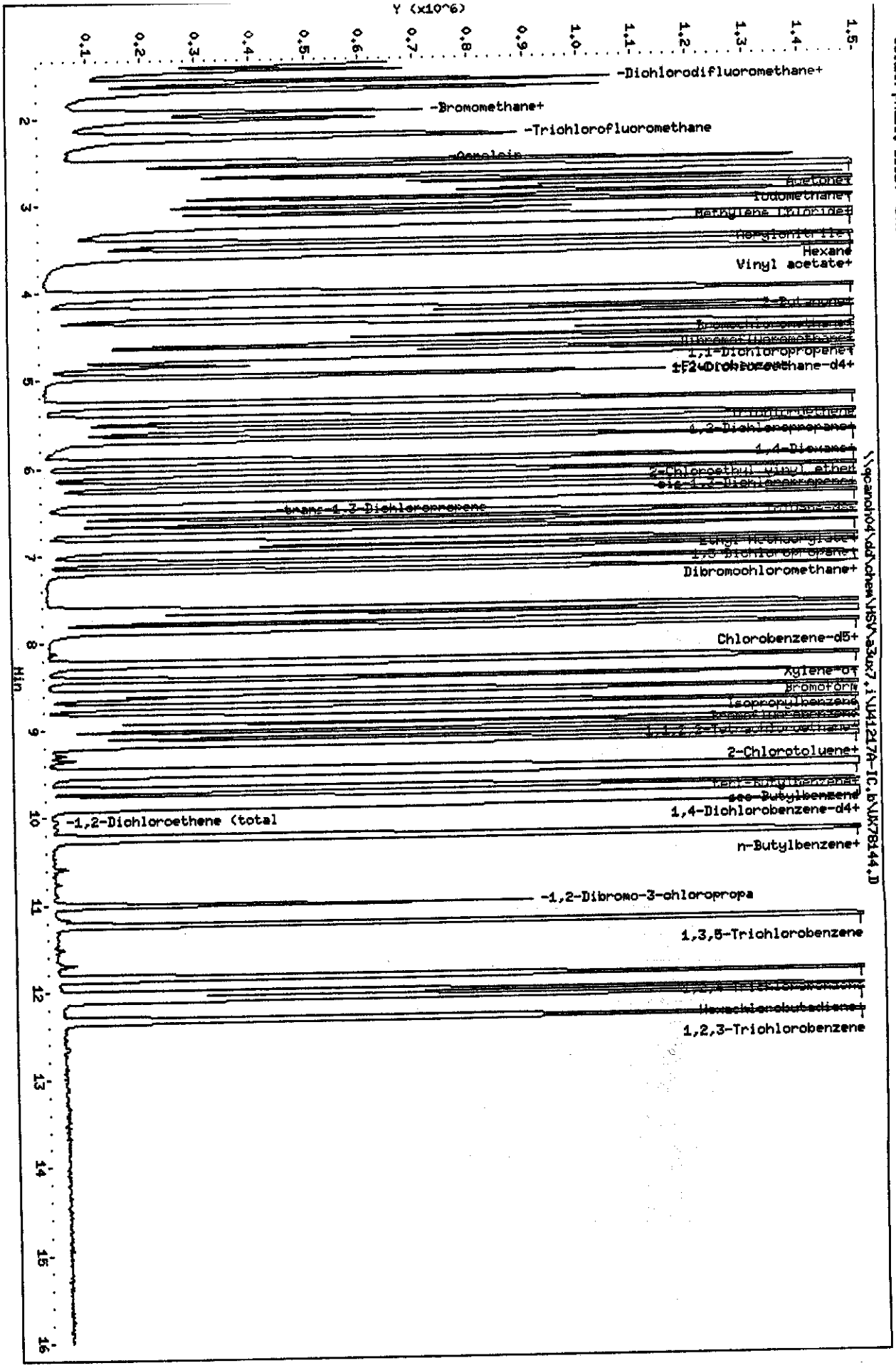
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.739	2.739	(0.552)	2190308	200.000	205.36(A)
	20 Carbon Disulfide	76	2.799	2.799	(0.564)	4814084	200.000	204.68(A)
	21 Methylene Chloride	84	2.988	2.988	(0.602)	1568153	200.000	204.38(A)
	22 Acetonitrile	41	2.858	2.858	(0.576)	1535796	2000.00	2167.1(A)
	23 Acrylonitrile	53	3.177	3.177	(0.640)	5218127	2000.00	2080.2(A)
	24 Methyl tert-butyl ether	73	3.224	3.224	(0.650)	4047029	200.000	208.35(A)
	25 trans-1,2-Dichloroethene	96	3.213	3.213	(0.647)	1590574	200.000	207.98(A)
	26 Hexane	86	3.437	3.437	(0.693)	356052	200.000	194.75
	27 Vinyl acetate	43	3.579	3.579	(0.721)	2607096	200.000	226.17(A)
	28 1,1-Dichloroethane	63	3.556	3.556	(0.716)	2641093	200.000	209.49(A)
	29 tert-Butyl Alcohol	59	3.082	3.082	(0.621)	1652023	4000.00	4157.6(A)
	30 2-Butanone	43	4.017	4.017	(0.809)	1650143	400.000	409.27(A)
M	31 1,2-Dichloroethene (total)	96				3260464	400.000	415.63
	32 cis-1,2-dichloroethene	96	4.017	4.017	(0.809)	1669890	200.000	207.65(A)
	33 2,2-Dichloropropane	77	4.029	4.029	(0.812)	1666353	200.000	202.77(A)
	34 Bromochloromethane	128	4.218	4.218	(0.850)	828077	200.000	207.31(A)
	35 Chloroform	83	4.266	4.266	(0.859)	2492578	200.000	207.79(A)
	36 Tetrahydrofuran	42	4.266	4.266	(0.859)	386607	200.000	200.34(A)
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.895)	1933795	200.000	203.92(A)
	38 1,1-Dichloropropene	75	4.573	4.573	(0.921)	2049542	200.000	207.22(A)
	39 Carbon Tetrachloride	117	4.585	4.585	(0.924)	1629724	200.000	207.61(A)
	40 1,2-Dichloroethane	62	4.739	4.739	(0.955)	1901814	200.000	208.02(A)
	41 Benzene	78	4.739	4.739	(0.955)	6437784	200.000	211.68(A)
	42 Trichloroethene	130	5.272	5.272	(1.062)	1713254	200.000	205.07(A)
	43 1,2-Dichloropropane	63	5.461	5.461	(1.100)	1544187	200.000	214.41(A)
	44 1,4-Dioxane	88	5.579	5.579	(1.124)	588014	10000.0	10436(A)
	45 Dibromomethane	93	5.556	5.556	(1.119)	875772	200.000	206.80(A)
	46 Bromodichloromethane	83	5.686	5.686	(1.145)	1886920	200.000	211.13(A)
	47 2-Chloroethyl vinyl ether	63	5.934	5.934	(1.195)	1831380	400.000	439.87(A)
	48 cis-1,3-Dichloropropene	75	6.064	6.064	(1.222)	2542095	200.000	214.94(A)
	49 4-Methyl-2-pentanone	43	6.195	6.195	(1.248)	2457121	400.000	421.83(A)
	50 Toluene	91	6.372	6.372	(0.836)	6706140	200.000	212.46(A)
	51 trans-1,3-Dichloropropene	75	6.550	6.550	(0.859)	2210206	200.000	214.21(A)
	52 Ethyl Methacrylate	69	6.632	6.632	(0.870)	1819690	200.000	212.26(A)
	53 1,1,2-Trichloroethane	97	6.715	6.715	(0.881)	1273060	200.000	209.56(A)
	54 1,3-Dichloropropane	76	6.869	6.869	(0.901)	2339633	200.000	210.69(A)
	55 Tetrachloroethene	164	6.869	6.869	(0.901)	1341729	200.000	206.97(A)
	56 2-Hexanone	43	6.940	6.940	(0.910)	2107268	400.000	404.98(A)
	57 Dibromochloromethane	129	7.082	7.082	(0.929)	1392957	200.000	211.82(A)
	58 1,2-Dibromoethane	107	7.188	7.188	(0.943)	1271494	200.000	206.80(A)
	59 Chlorobenzene	112	7.650	7.650	(1.003)	4149219	200.000	211.43(A)
	60 1,1,1,2-Tetrachloroethane	131	7.721	7.721	(1.012)	1330569	200.000	210.37(A)
	61 Ethylbenzene	106	7.745	7.745	(1.016)	2200933	200.000	212.82(A)
	62 m + p-Xylene	106	7.851	7.851	(1.029)	5499922	400.000	425.97(A)
M	63 Xylenes (total)	106				8059505	600.000	636.42
	64 Xylene-o	106	8.230	8.230	(1.079)	2559583	200.000	210.44(A)
	65 Styrene	104	8.242	8.242	(1.081)	4559906	200.000	214.60(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78144.D
Report Date: 18-Dec-2004 11:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.419	8.419	(1.104)	918018	200.000	210.24(A)
67 Isopropylbenzene	105	8.585	8.585	(1.126)	5912906	200.000	209.69(A)
68 1,1,2,2-Tetrachloroethane	83	8.857	8.857	(0.899)	1421656	200.000	206.42(A)
69 1,4-Dichloro-2-butene	53	8.904	8.904	(0.904)	416902	200.000	208.12(A)
70 1,2,3-Trichloropropane	110	8.904	8.904	(0.904)	453063	200.000	198.75
71 Bromobenzene	156	8.881	8.881	(0.902)	1660219	200.000	209.21(A)
72 n-Propylbenzene	120	8.975	8.975	(0.911)	1727353	200.000	207.74(A)
73 2-Chlorotoluene	126	9.070	9.070	(0.921)	1517779	200.000	209.26(A)
74 1,3,5-Trimethylbenzene	105	9.153	9.153	(0.929)	5107080	200.000	210.20(A)
75 4-Chlorotoluene	126	9.165	9.165	(0.930)	1584864	200.000	209.62(A)
76 tert-Butylbenzene	119	9.472	9.472	(0.962)	4272284	200.000	207.48(A)
77 1,2,4-Trimethylbenzene	105	9.520	9.520	(0.966)	5211463	200.000	209.88(A)
78 sec-Butylbenzene	105	9.685	9.685	(0.983)	6124542	200.000	207.94(A)
79 4-Isopropyltoluene	119	9.827	9.827	(0.998)	5222654	200.000	210.20(A)
80 1,3-Dichlorobenzene	146	9.792	9.792	(0.994)	3059708	200.000	209.41(A)
81 1,4-Dichlorobenzene	146	9.875	9.875	(1.002)	3151471	200.000	209.03(A)
82 n-Butylbenzene	91	10.230	10.230	(1.038)	4608467	200.000	210.57(A)
83 1,2-Dichlorobenzene	146	10.241	10.241	(1.040)	2911958	200.000	207.87(A)
84 1,2-Dibromo-3-chloropropane	157	11.010	11.010	(1.118)	312211	200.000	198.00
85 1,2,4-Trichlorobenzene	180	11.851	11.851	(1.203)	2106131	200.000	208.25(A)
86 Hexachlorobutadiene	225	12.028	12.028	(1.221)	830266	200.000	206.67(A)
87 Naphthalene	128	12.087	12.087	(1.227)	4935828	200.000	199.56
88 1,2,3-Trichlorobenzene	180	12.336	12.336	(1.252)	1889078	200.000	204.06(A)
98 Cyclohexane	56	4.502	4.502	(0.907)	2385101	200.000	198.92
143 Methyl Acetate	43	2.905	2.905	(0.585)	2124537	400.000	405.75
144 Methylcyclohexane	83	5.449	5.449	(1.098)	2350761	200.000	198.95
141 1,3,5-Trichlorobenzene	180	11.235	11.235	(1.141)	2277571	200.000	209.88

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U41217A-IC.b\UK78144.D
Date : 17-DEC-2004 16:52
Client ID:
Sample Info: 200NG-IC
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
Acetone
Iodomethane
Methylene Chloride
Acrylonitrile
Hexane
Vinyl acetate+
2-Butanone
Bromochloromethane
Dibromofluoromethane
1,1-Dichloropropene+
1,2-Dichloroethane-d4+
Trichloroethene
1,2-Dichloropropane+
1,4-Dioxane+
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Ethyl Methacrylate
1,3-Dichloropropane+
Dibromochloromethane+
Chlorobenzene-d5+
Xylene-o+
Bromoform
Isopropylbenzene
Bromobenzene
1,1,2,2-Tetrachloroethane
2-Chlorotoluene+
tert-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichloroethene (total
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene+
1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78145.D
Report Date: 18-Dec-2004 11:04

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78145.D
Lab Smp Id: 100NG-IC
Inj Date : 17-DEC-2004 17:15
Operator : 1904 Inst ID: a3ux7.i
Smp Info : 100NG-IC
Misc Info : U41217A-IC,N8260UX7-3,1-8260.SUB,1904,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
Meth Date : 18-Dec-2004 11:03 quayler Quant Type: ISTD
Cal Date : 17-DEC-2004 16:52 Cal File: UX78144.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.963	4.963	(1.000)	1130804	50.0000	
* 2 Chlorobenzene-d5	117	7.625	7.625	(1.000)	774606	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.849	9.849	(1.000)	376077	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.395	(0.886)	681867	100.000	104.57
$ 5 1,2-Dichloroethane-d4	65	4.679	4.679	(0.943)	818603	100.000	104.37
$ 6 Toluene-d8	98	6.311	6.311	(0.828)	2669478	100.000	103.99
$ 7 Bromofluorobenzene	95	8.725	8.725	(1.144)	905293	100.000	104.00
8 Dichlorodifluoromethane	85	1.448	1.448	(0.292)	426461	100.000	94.629
9 Chloromethane	50	1.578	1.578	(0.318)	719107	100.000	102.69
10 Vinyl Chloride	62	1.673	1.673	(0.337)	695690	100.000	102.36
11 Bromomethane	94	1.933	1.933	(0.390)	355230	100.000	100.68
12 Chloroethane	64	2.016	2.016	(0.406)	445675	100.000	102.80
13 Trichlorofluoromethane	101	2.217	2.217	(0.447)	656366	100.000	98.803
15 Acrolein	56	2.525	2.525	(0.509)	959719	1000.00	1050.4
16 Acetone	43	2.643	2.643	(0.533)	642048	200.000	211.81(A)
17 1,1-Dichloroethene	96	2.608	2.608	(0.526)	631123	100.000	100.03
18 Freon-113	151	2.631	2.631	(0.530)	363479	100.000	92.961

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78145.D
Report Date: 18-Dec-2004 11:04

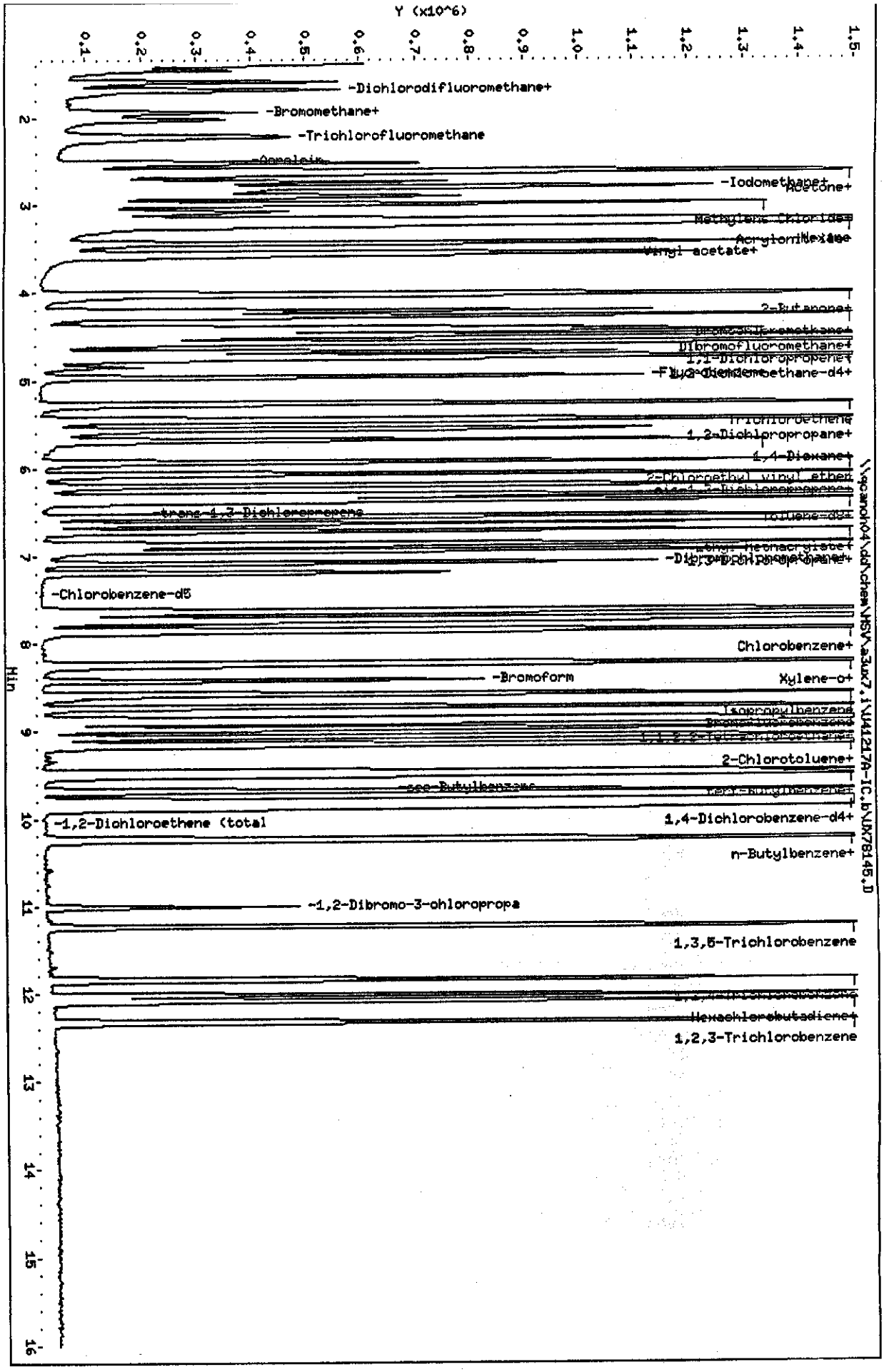
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 Iodomethane	142	2.738	2.738	(0.552)	1079757	100.000	101.99
20 Carbon Disulfide	76	2.797	2.797	(0.564)	2319452	100.000	100.23
21 Methylene Chloride	84	2.986	2.986	(0.602)	768712	100.000	101.29
22 Acetonitrile	41	2.856	2.856	(0.576)	736856	1000.00	1037.9
23 Acrylonitrile	53	3.176	3.176	(0.640)	2662436	1000.00	1051.9
24 Methyl tert-butyl ether	73	3.223	3.223	(0.650)	2032873	100.000	104.24
25 trans-1,2-Dichloroethene	96	3.211	3.211	(0.647)	774501	100.000	102.01
26 Hexane	86	3.436	3.436	(0.692)	159210	100.000	92.106
27 Vinyl acetate	43	3.578	3.578	(0.721)	1196143	100.000	103.66
28 1,1-Dichloroethane	63	3.543	3.543	(0.714)	1279473	100.000	102.15
29 tert-Butyl Alcohol	59	3.081	3.081	(0.621)	843096	2000.00	2103.2(A)
30 2-Butanone	43	4.016	4.016	(0.809)	897725	200.000	216.95(A)
M 31 1,2-Dichloroethene (total)	96				1584021	200.000	203.62
32 cis-1,2-dichloroethene	96	4.016	4.016	(0.809)	809520	100.000	101.60
33 2,2-Dichloropropane	77	4.016	4.016	(0.809)	832808	100.000	102.06
34 Bromochloromethane	128	4.205	4.205	(0.847)	401213	100.000	101.46
35 Chloroform	83	4.264	4.264	(0.859)	1218741	100.000	102.23
36 Tetrahydrofuran	42	4.264	4.264	(0.859)	199177	100.000	103.29
37 1,1,1-Trichloroethane	97	4.442	4.442	(0.895)	930019	100.000	99.861
38 1,1-Dichloropropene	75	4.572	4.572	(0.921)	981317	100.000	100.64
39 Carbon Tetrachloride	117	4.584	4.584	(0.924)	772112	100.000	100.06
40 1,2-Dichloroethane	62	4.738	4.738	(0.955)	936758	100.000	102.80
41 Benzene	78	4.738	4.738	(0.955)	3096585	100.000	102.37
42 Trichloroethene	130	5.270	5.270	(1.062)	861191	100.000	103.20
43 1,2-Dichloropropane	63	5.459	5.459	(1.100)	733052	100.000	102.35
44 1,4-Dioxane	88	5.578	5.578	(1.124)	303955	5000.00	5315.8(A)
45 Dibromomethane	93	5.554	5.554	(1.119)	436611	100.000	103.22
46 Bromodichloromethane	83	5.684	5.684	(1.145)	911806	100.000	102.51
47 2-Chloroethyl vinyl ether	63	5.933	5.933	(1.196)	885999	200.000	210.72(A)
48 cis-1,3-Dichloropropene	75	6.063	6.063	(1.222)	1216521	100.000	103.06
49 4-Methyl-2-pentanone	43	6.193	6.193	(1.248)	1307699	200.000	218.10(A)
50 Toluene	91	6.371	6.371	(0.836)	3140408	100.000	101.39
51 trans-1,3-Dichloropropene	75	6.548	6.548	(0.859)	1064111	100.000	103.82
52 Ethyl Methacrylate	69	6.631	6.631	(0.870)	871660	100.000	102.86
53 1,1,2-Trichloroethane	97	6.714	6.714	(0.881)	615434	100.000	102.61
54 1,3-Dichloropropane	76	6.868	6.868	(0.901)	1133985	100.000	103.15
55 Tetrachloroethene	164	6.868	6.868	(0.901)	637795	100.000	100.64
56 2-Hexanone	43	6.939	6.939	(0.910)	1164455	200.000	218.85(A)
57 Dibromochloromethane	129	7.081	7.081	(0.929)	669686	100.000	102.96
58 1,2-Dibromoethane	107	7.187	7.187	(0.943)	636299	100.000	104.06
59 Chlorobenzene	112	7.649	7.649	(1.003)	1994659	100.000	102.83
60 1,1,1,2-Tetrachloroethane	131	7.720	7.720	(1.012)	634670	100.000	101.97
61 Ethylbenzene	106	7.743	7.743	(1.016)	1039121	100.000	102.06
62 m + p-Xylene	106	7.850	7.850	(1.029)	2586063	200.000	203.67(A)
M 63 Xylenes (total)	106				3808923	300.000	305.77
64 Xylene-o	106	8.228	8.228	(1.079)	1222860	100.000	102.10
65 Styrene	104	8.240	8.240	(1.081)	2153315	100.000	102.63

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78145.D
Report Date: 18-Dec-2004 11:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.418	8.418	(1.104)	444230	100.000	102.90
67 Isopropylbenzene	105	8.583	8.583	(1.126)	2765801	100.000	100.44
68 1,1,2,2-Tetrachloroethane	83	8.856	8.856	(0.899)	685357	100.000	102.12
69 1,4-Dichloro-2-butene	53	8.903	8.903	(0.904)	202942	100.000	103.34
70 1,2,3-Trichloropropane	110	8.903	8.903	(0.904)	228284	100.000	102.55
71 Bromobenzene	156	8.879	8.879	(0.901)	803905	100.000	103.33
72 n-Propylbenzene	120	8.974	8.974	(0.911)	817256	100.000	101.29
73 2-Chlorotoluene	126	9.069	9.069	(0.921)	723982	100.000	102.33
74 1,3,5-Trimethylbenzene	105	9.151	9.151	(0.929)	2400333	100.000	101.64
75 4-Chlorotoluene	126	9.163	9.163	(0.930)	746119	100.000	101.56
76 tert-Butylbenzene	119	9.471	9.471	(0.962)	2015193	100.000	101.00
77 1,2,4-Trimethylbenzene	105	9.506	9.506	(0.965)	2453350	100.000	101.64
78 sec-Butylbenzene	105	9.684	9.684	(0.983)	2851928	100.000	100.29
79 4-Isopropyltoluene	119	9.826	9.826	(0.998)	2423678	100.000	100.79
80 1,3-Dichlorobenzene	146	9.790	9.790	(0.994)	1462730	100.000	102.53
81 1,4-Dichlorobenzene	146	9.873	9.873	(1.002)	1507179	100.000	102.43
82 n-Butylbenzene	91	10.228	10.228	(1.038)	2115785	100.000	100.19
83 1,2-Dichlorobenzene	146	10.240	10.240	(1.040)	1401053	100.000	102.47
84 1,2-Dibromo-3-chloropropane	157	11.009	11.009	(1.118)	164708	100.000	105.42
85 1,2,4-Trichlorobenzene	180	11.849	11.849	(1.203)	1025669	100.000	103.41
86 Hexachlorobutadiene	225	12.027	12.027	(1.221)	383973	100.000	99.428
87 Naphthalene	128	12.086	12.086	(1.227)	2626564	100.000	106.55
88 1,2,3-Trichlorobenzene	180	12.334	12.334	(1.252)	940810	100.000	103.55
98 Cyclohexane	56	4.489	4.489	(0.905)	1079474	100.000	94.244
143 Methyl Acetate	43	2.904	2.904	(0.585)	1110100	200.000	210.22
144 Methylcyclohexane	83	5.448	5.448	(1.098)	1046981	100.000	93.217
141 1,3,5-Trichlorobenzene	180	11.234	11.234	(1.141)	1077722	100.000	101.99

QC Flag Legend

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


Data File: \\qcanch04\dd\chem\HSV\a3ux7.i\U41217A-IC.b\UX78145.D
Date : 17-DEC-2004 17:15
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Iodomethane+
Acetone+
Methylene Chloride
Acrylonitrile
Vinyl acetate+
2-Butanone+
Dibromofluoromethane+
1,1-Dichloropropene+
-Fluorobenzene-d4+
Trichloroethene
1,2-Dichloropropane+
1,4-Dioxane+
2-Chloroethyl vinyl ether
-trans-1,3-Dichloropropene
Toluene-d8
Ethyl Methacrylate+
-Dibromochloromethane+
-Chlorobenzene-d5
Chlorobenzene+
-Bromoform
Xylene-o+
Isopropylbenzene
2-Chlorotoluene+
-sec-Butylbenzene
tert-Butylbenzene+
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
Hexachlorobutadiene+
1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78146.D
Report Date: 18-Dec-2004 11:05

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78146.D
Lab Smp Id: 50NG-IC
Inj Date : 17-DEC-2004 17:37
Operator : 1904 Inst ID: a3ux7.i
Smp Info : 50NG-IC
Misc Info : U41217A-IC,N8260UX7-3,1-8260.SUB,1904,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
Meth Date : 18-Dec-2004 11:05 quayler Quant Type: ISTD
Cal Date : 17-DEC-2004 18:46 Cal File: UX78149.D
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.962	4.962	(1.000)	1105802	50.0000	
* 2 Chlorobenzene-d5	117	7.625	7.625	(1.000)	746935	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.849	9.849	(1.000)	366401	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.395	(0.886)	291034	50.0000	45.809
$ 5 1,2-Dichloroethane-d4	65	4.678	4.678	(0.943)	356089	50.0000	47.485
$ 6 Toluene-d8	98	6.311	6.311	(0.828)	1123537	50.0000	46.526
$ 7 Bromofluorobenzene	95	8.725	8.725	(1.144)	386025	50.0000	46.596
8 Dichlorodifluoromethane	85	1.448	1.448	(0.292)	234272	50.0000	52.418
9 Chloromethane	50	1.578	1.578	(0.318)	333567	50.0000	46.897
10 Vinyl Chloride	62	1.673	1.673	(0.337)	330218	50.0000	48.950
11 Bromomethane	94	1.933	1.933	(0.390)	187824	50.0000	50.211
12 Chloroethane	64	2.016	2.016	(0.406)	213075	50.0000	49.389
13 Trichlorofluoromethane	101	2.217	2.217	(0.447)	337321	50.0000	50.740
15 Acrolein	56	2.525	2.525	(0.509)	426528	500.000	479.51
16 Acetone	43	2.643	2.643	(0.533)	292367	100.000	78.936
17 1,1-Dichloroethene	96	2.620	2.620	(0.528)	304616	50.0000	47.311
18 Freon-113	151	2.631	2.631	(0.530)	205029	50.0000	52.355

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.1\041217A-1C.D\UX78146.D
Report Date: 18-Dec-2004 11:05

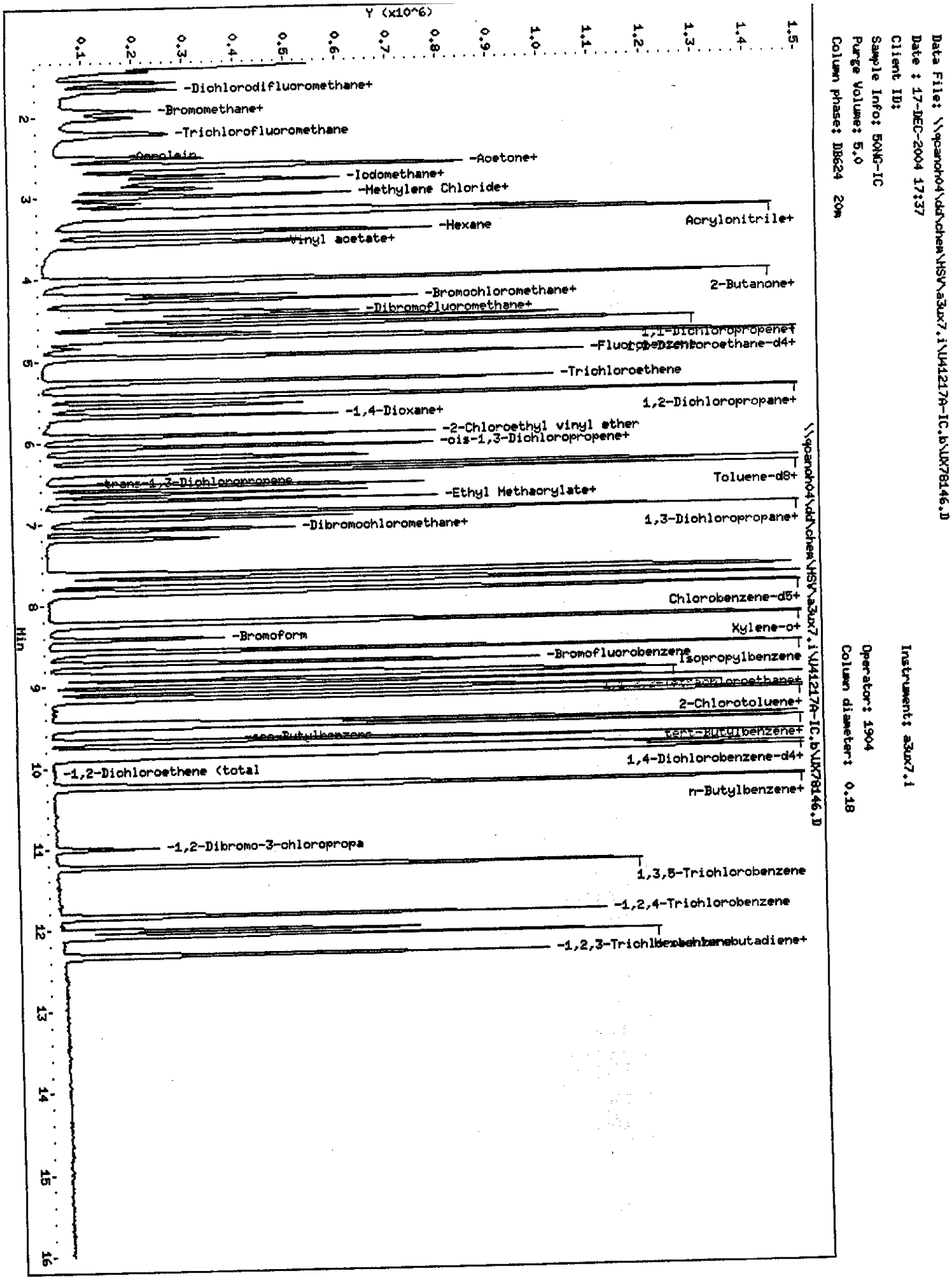
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 Iodomethane	142	2.738	2.738	(0.552)	498774	50.0000	47.814
20 Carbon Disulfide	76	2.797	2.797	(0.564)	1103808	50.0000	48.037
21 Methylene Chloride	84	2.986	2.986	(0.602)	360602	50.0000	42.196
22 Acetonitrile	41	2.856	2.856	(0.576)	312102	500.000	402.21
23 Acrylonitrile	53	3.176	3.176	(0.640)	1157032	500.000	466.58
24 Methyl tert-butyl ether	73	3.223	3.223	(0.650)	894399	50.0000	47.480
25 trans-1,2-Dichloroethene	96	3.211	3.211	(0.647)	352827	50.0000	47.326
26 Hexane	86	3.436	3.436	(0.692)	90159	50.0000	51.823
27 Vinyl acetate	43	3.578	3.578	(0.721)	481436	50.0000	45.848
28 1,1-Dichloroethane	63	3.543	3.543	(0.714)	577077	50.0000	46.976
29 tert-Butyl Alcohol	59	3.081	3.081	(0.621)	366820	1000.00	866.32
30 2-Butanone	43	4.016	4.016	(0.809)	378509	100.000	97.449
M 31 1,2-Dichloroethene (total)	96				724467	100.000	95.432
32 cis-1,2-dichloroethene	96	4.016	4.016	(0.809)	371640	50.0000	48.106
33 2,2-Dichloropropane	77	4.016	4.016	(0.809)	389427	50.0000	47.984
34 Bromochloromethane	128	4.205	4.205	(0.847)	184930	50.0000	47.913
35 Chloroform	83	4.264	4.264	(0.859)	553973	50.0000	47.372
36 Tetrahydrofuran	42	4.264	4.264	(0.859)	92576	50.0000	44.279
37 1,1,1-Trichloroethane	97	4.442	4.442	(0.895)	446734	50.0000	47.657
38 1,1-Dichloropropene	75	4.572	4.572	(0.921)	458092	50.0000	48.121
39 Carbon Tetrachloride	117	4.584	4.584	(0.924)	362850	50.0000	49.248
40 1,2-Dichloroethane	62	4.738	4.738	(0.955)	421683	50.0000	47.578
41 Benzene	78	4.738	4.738	(0.955)	1376023	50.0000	46.342
42 Trichloroethene	130	5.270	5.270	(1.062)	391289	50.0000	48.078
43 1,2-Dichloropropane	63	5.459	5.459	(1.100)	321147	50.0000	47.298
44 1,4-Dioxane	88	5.578	5.578	(1.124)	129467	2500.00	2396.7(A)
45 Dibromomethane	93	5.554	5.554	(1.119)	196585	50.0000	48.052
46 Bromodichloromethane	83	5.684	5.684	(1.145)	405548	50.0000	47.833
47 2-Chloroethyl vinyl ether	63	5.933	5.933	(1.196)	360249	100.000	94.377
48 cis-1,3-Dichloropropene	75	6.063	6.063	(1.222)	525853	50.0000	47.968
49 4-Methyl-2-pentanone	43	6.205	6.205	(1.250)	529246	100.000	93.322
50 Toluene	91	6.371	6.371	(0.836)	1390488	50.0000	47.536
51 trans-1,3-Dichloropropene	75	6.548	6.548	(0.859)	450278	50.0000	48.537
52 Ethyl Methacrylate	69	6.631	6.631	(0.870)	378079	50.0000	48.645
53 1,1,2-Trichloroethane	97	6.714	6.714	(0.881)	271747	50.0000	47.730
54 1,3-Dichloropropane	76	6.868	6.868	(0.901)	493805	50.0000	47.924
55 Tetrachloroethene	164	6.868	6.868	(0.901)	293944	50.0000	48.241
56 2-Hexanone	43	6.939	6.939	(0.910)	482814	100.000	97.383
57 Dibromochloromethane	129	7.081	7.081	(0.929)	290674	50.0000	47.794
58 1,2-Dibromoethane	107	7.187	7.187	(0.943)	279022	50.0000	48.357
59 Chlorobenzene	112	7.649	7.649	(1.003)	869275	50.0000	47.373
60 1,1,1,2-Tetrachloroethane	131	7.720	7.720	(1.012)	281718	50.0000	48.308
61 Ethylbenzene	106	7.743	7.743	(1.016)	454725	50.0000	47.641
62 m + p-Xylene	106	7.850	7.850	(1.029)	1134365	100.000	95.377
M 63 Xylenes (total)	106				1675923	150.000	143.62
64 Xylene-o	106	8.228	8.228	(1.079)	541558	50.0000	48.238
65 Styrene	104	8.240	8.240	(1.081)	925382	50.0000	47.935

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78146.D
Report Date: 18-Dec-2004 11:05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.418	8.418	(1.104)	194630	50.0000	48.804
67 Isopropylbenzene	105	8.583	8.583	(1.126)	1260537	50.0000	48.402
68 1,1,2,2-Tetrachloroethane	83	8.855	8.855	(0.899)	313066	50.0000	48.550
69 1,4-Dichloro-2-butene	53	8.903	8.903	(0.904)	90256	50.0000	49.107
70 1,2,3-Trichloropropane	110	8.903	8.903	(0.904)	107724	50.0000	50.250
71 Bromobenzene	156	8.879	8.879	(0.901)	355502	50.0000	47.605
72 n-Propylbenzene	120	8.974	8.974	(0.911)	375393	50.0000	49.408
73 2-Chlorotoluene	126	9.068	9.068	(0.921)	324830	50.0000	48.333
74 1,3,5-Trimethylbenzene	105	9.151	9.151	(0.929)	1082759	50.0000	48.558
75 4-Chlorotoluene	126	9.163	9.163	(0.930)	337984	50.0000	48.848
76 tert-Butylbenzene	119	9.471	9.471	(0.962)	930861	50.0000	48.761
77 1,2,4-Trimethylbenzene	105	9.506	9.506	(0.965)	1108504	50.0000	48.408
78 sec-Butylbenzene	105	9.684	9.684	(0.983)	1328302	50.0000	49.077
79 4-Isopropyltoluene	119	9.826	9.826	(0.998)	1107255	50.0000	48.426
80 1,3-Dichlorobenzene	146	9.790	9.790	(0.994)	653877	50.0000	47.330
81 1,4-Dichlorobenzene	146	9.873	9.873	(1.002)	676057	50.0000	47.560
82 n-Butylbenzene	91	10.228	10.228	(1.038)	973432	50.0000	48.067
83 1,2-Dichlorobenzene	146	10.240	10.240	(1.040)	631953	50.0000	47.717
84 1,2-Dibromo-3-chloropropane	157	11.009	11.009	(1.118)	74793	50.0000	50.973
85 1,2,4-Trichlorobenzene	180	11.849	11.849	(1.203)	455349	50.0000	47.156
86 Hexachlorobutadiene	225	12.027	12.027	(1.221)	182367	50.0000	47.650
87 Naphthalene	128	12.086	12.086	(1.227)	1164053	50.0000	46.795
88 1,2,3-Trichlorobenzene	180	12.334	12.334	(1.252)	425944	50.0000	47.802
98 Cyclohexane	56	4.489	4.489	(0.905)	579260	50.0000	49.635
143 Methyl Acetate	43	2.904	2.904	(0.585)	495976	100.000	90.914
144 Methylcyclohexane	83	5.448	5.448	(1.098)	570777	50.0000	50.959
141 1,3,5-Trichlorobenzene	180	11.234	11.234	(1.141)	484451	50.0000	47.424

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 17-DEC-2004 17:37
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
Acrylonitrile+
-Hexane
-Vinyl acetate+
2-Butanone+
-Bromochloromethane+
-Dibromofluoromethane+
1,1-Dichloropropene+
-Fluorobenzene
-1,2-Dichloroethane-d4+
-Trichloroethene
1,2-Dichloropropane+
-1,4-Dioxane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene+
Toluene-d8+
-trans-1,3-Dichloropropene
-Ethyl Methacrylate+
1,3-Dichloropropane+
-Dibromochloromethane+
Chlorobenzene-d5+
Xylene-o+
-Bromoform
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane+
2-Chlorotoluene+
-sec-Butylbenzene
tert-Butylbenzene+
1,4-Dichlorobenzene-d4+
-1,2-Dichloroethene (total
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-1,2,3-Trichlorobenzene
Hexachlorobutadiene+
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Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78147.D
Report Date: 18-Dec-2004 11:04

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78147.D
Lab Smp Id: 25NG-IC
Inj Date : 17-DEC-2004 18:00
Operator : 1904 Inst ID: a3ux7.i
Smp Info : 25NG-IC
Misc Info : U41217A-IC,N8260UX7-3,1-8260.SUB,1904,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
Meth Date : 18-Dec-2004 11:04 quayler Quant Type: ISTD
Cal Date : 17-DEC-2004 18:00 Cal File: UX78147.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.961	4.961	(1.000)	1082759	50.0000	
* 2 Chlorobenzene-d5	117	7.623	7.623	(1.000)	718521	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.848	9.848	(1.000)	355664	50.0000	
$ 4 Dibromofluoromethane	113	4.393	4.393	(0.886)	151674	25.0000	24.466
$ 5 1,2-Dichloroethane-d4	65	4.677	4.677	(0.943)	170214	25.0000	23.207
$ 6 Toluene-d8	98	6.310	6.310	(0.828)	569306	25.0000	24.172
$ 7 Bromofluorobenzene	95	8.724	8.724	(1.144)	196019	25.0000	24.452
8 Dichlorodifluoromethane	85	1.447	1.447	(0.292)	113857	25.0000	26.025
9 Chloromethane	50	1.577	1.577	(0.318)	171564	25.0000	25.437
10 Vinyl Chloride	62	1.671	1.671	(0.337)	165420	25.0000	25.313
11 Bromomethane	94	1.932	1.932	(0.389)	91066	25.0000	26.439
12 Chloroethane	64	2.015	2.015	(0.406)	107332	25.0000	25.636
13 Trichlorofluoromethane	101	2.216	2.216	(0.447)	169527	25.0000	26.218
15 Acrolein	56	2.523	2.523	(0.509)	215379	250.000	247.13
16 Acetone	43	2.642	2.642	(0.533)	158724	50.0000	53.434
17 1,1-Dichloroethene	96	2.618	2.618	(0.528)	157842	25.0000	25.837
18 Freon-113	151	2.630	2.630	(0.530)	103497	25.0000	26.932

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78147.D
Report Date: 18-Dec-2004 11:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.736	2.736	(0.552)	254938	25.0000	25.111
	20 Carbon Disulfide	76	2.807	2.807	(0.566)	557779	25.0000	25.129
	21 Methylene Chloride	84	2.985	2.985	(0.602)	193533	25.0000	26.204
	22 Acetonitrile	41	2.867	2.867	(0.578)	185313	250.000	266.58
	23 Acrylonitrile	53	3.174	3.174	(0.640)	610077	250.000	251.30
	24 Methyl tert-butyl ether	73	3.222	3.222	(0.649)	460976	25.0000	24.763
	25 trans-1,2-Dichloroethene	96	3.222	3.222	(0.649)	180166	25.0000	24.837
	26 Hexane	86	3.434	3.434	(0.692)	44517	25.0000	26.396
	27 Vinyl acetate	43	3.576	3.576	(0.721)	235177	25.0000	22.106
	28 1,1-Dichloroethane	63	3.553	3.553	(0.716)	297530	25.0000	24.856
	29 tert-Butyl Alcohol	59	3.091	3.091	(0.623)	234570	500.000	578.97
	30 2-Butanone	43	4.026	4.026	(0.812)	180040	50.0000	46.501
M	31 1,2-Dichloroethene (total)	96				367265	50.0000	49.479
	32 cis-1,2-dichloroethene	96	4.014	4.014	(0.809)	187099	25.0000	24.642
	33 2,2-Dichloropropane	77	4.026	4.026	(0.812)	198166	25.0000	25.270
	34 Bromochloromethane	128	4.215	4.215	(0.850)	93374	25.0000	24.744
	35 Chloroform	83	4.263	4.263	(0.859)	283434	25.0000	24.872
	36 Tetrahydrofuran	42	4.275	4.275	(0.862)	47566	25.0000	25.567
	37 1,1,1-Trichloroethane	97	4.440	4.440	(0.895)	225790	25.0000	25.239
	38 1,1-Dichloropropene	75	4.570	4.570	(0.921)	229712	25.0000	24.701
	39 Carbon Tetrachloride	117	4.582	4.582	(0.924)	180594	25.0000	24.578
	40 1,2-Dichloroethane	62	4.736	4.736	(0.955)	217398	25.0000	24.937
	41 Benzene	78	4.736	4.736	(0.955)	698673	25.0000	24.337
	42 Trichloroethene	130	5.269	5.269	(1.062)	200206	25.0000	25.043
	43 1,2-Dichloropropane	63	5.458	5.458	(1.100)	164556	25.0000	24.238
	44 1,4-Dioxane	88	5.588	5.588	(1.126)	71243	1250.00	1288.0(A)
	45 Dibromomethane	93	5.553	5.553	(1.119)	100879	25.0000	24.930
	46 Bromodichloromethane	83	5.683	5.683	(1.145)	200499	25.0000	23.890
	47 2-Chloroethyl vinyl ether	63	5.931	5.931	(1.196)	181238	50.0000	46.168
	48 cis-1,3-Dichloropropene	75	6.073	6.073	(1.224)	261511	25.0000	23.577
	49 4-Methyl-2-pentanone	43	6.203	6.203	(1.250)	262295	50.0000	46.694
	50 Toluene	91	6.369	6.369	(0.835)	696363	25.0000	24.424
	51 trans-1,3-Dichloropropene	75	6.547	6.547	(0.859)	217869	25.0000	23.404
	52 Ethyl Methacrylate	69	6.629	6.629	(0.870)	182449	25.0000	23.632
	53 1,1,2-Trichloroethane	97	6.712	6.712	(0.880)	137303	25.0000	24.759
	54 1,3-Dichloropropane	76	6.866	6.866	(0.901)	243192	25.0000	24.126
	55 Tetrachloroethene	164	6.866	6.866	(0.901)	149014	25.0000	25.261
	56 2-Hexanone	43	6.937	6.937	(0.910)	218144	50.0000	45.519
	57 Dibromochloromethane	129	7.079	7.079	(0.929)	144011	25.0000	24.143
	58 1,2-Dibromoethane	107	7.197	7.197	(0.944)	140082	25.0000	24.772
	59 Chlorobenzene	112	7.647	7.647	(1.003)	434842	25.0000	24.371
	60 1,1,1,2-Tetrachloroethane	131	7.718	7.718	(1.012)	141099	25.0000	24.577
	61 Ethylbenzene	106	7.742	7.742	(1.016)	227121	25.0000	24.279
	62 m + p-Xylene	106	7.860	7.860	(1.031)	574341	50.0000	49.067
M	63 Xylenes (total)	106				840216	75.0000	73.257
	64 Xylene-o	106	8.227	8.227	(1.079)	265875	25.0000	24.190
	65 Styrene	104	8.239	8.239	(1.081)	453479	25.0000	23.704

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.D\UX78147.D
Report Date: 18-Dec-2004 11:04

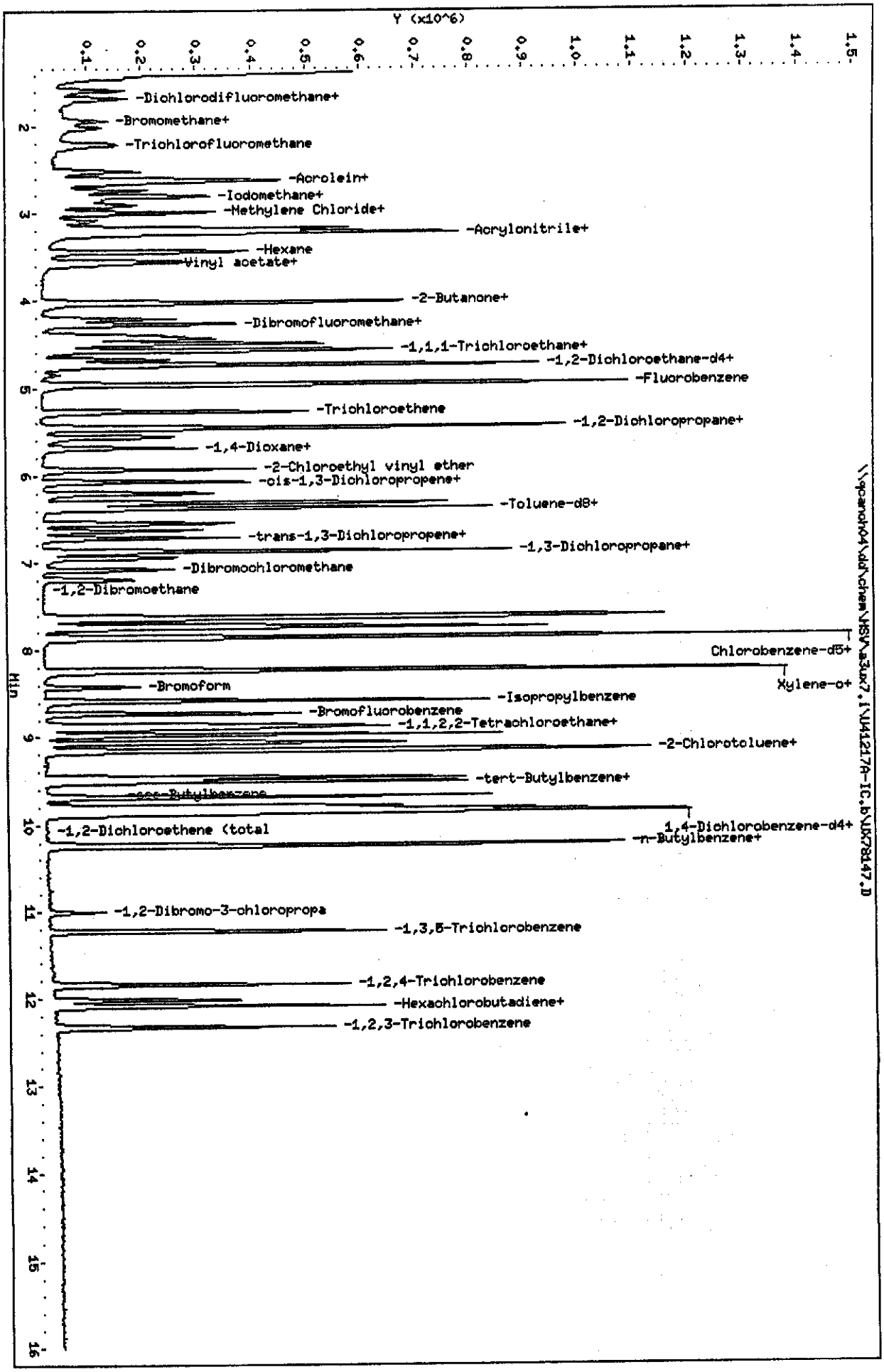
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.416	8.416	(1.104)	95600	25.0000	24.145
67 Isopropylbenzene	105	8.582	8.582	(1.126)	622847	25.0000	24.535
68 1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.899)	154763	25.0000	24.536
69 1,4-Dichloro-2-butene	53	8.901	8.901	(0.904)	44131	25.0000	24.059
70 1,2,3-Trichloropropane	110	8.901	8.901	(0.904)	52910	25.0000	25.100
71 Bromobenzene	156	8.878	8.878	(0.901)	177459	25.0000	24.334
72 n-Propylbenzene	120	8.972	8.972	(0.911)	182827	25.0000	24.212
73 2-Chlorotoluene	126	9.067	9.067	(0.921)	162875	25.0000	24.504
74 1,3,5-Trimethylbenzene	105	9.150	9.150	(0.929)	537174	25.0000	24.282
75 4-Chlorotoluene	126	9.162	9.162	(0.930)	165283	25.0000	24.082
76 tert-Butylbenzene	119	9.469	9.469	(0.962)	457777	25.0000	24.442
77 1,2,4-Trimethylbenzene	105	9.517	9.517	(0.966)	549349	25.0000	24.293
78 sec-Butylbenzene	105	9.682	9.682	(0.983)	653933	25.0000	24.484
79 4-Isopropyltoluene	119	9.824	9.824	(0.998)	547588	25.0000	24.302
80 1,3-Dichlorobenzene	146	9.789	9.789	(0.994)	328051	25.0000	24.482
81 1,4-Dichlorobenzene	146	9.872	9.872	(1.002)	338454	25.0000	24.489
82 n-Butylbenzene	91	10.227	10.227	(1.038)	487759	25.0000	24.564
83 1,2-Dichlorobenzene	146	10.238	10.238	(1.040)	320089	25.0000	24.815
84 1,2-Dibromo-3-chloropropane	157	11.007	11.007	(1.118)	36385	25.0000	24.717
85 1,2,4-Trichlorobenzene	180	11.848	11.848	(1.203)	228953	25.0000	24.553
86 Hexachlorobutadiene	225	12.025	12.025	(1.221)	92905	25.0000	25.327
87 Naphthalene	128	12.084	12.084	(1.227)	597214	25.0000	25.460
88 1,2,3-Trichlorobenzene	180	12.333	12.333	(1.252)	215331	25.0000	25.045
98 Cyclohexane	56	4.499	4.499	(0.907)	296433	25.0000	26.491
143 Methyl Acetate	43	2.902	2.902	(0.585)	255358	50.0000	50.375
144 Methylcyclohexane	83	5.446	5.446	(1.098)	288001	25.0000	26.311
141 1,3,5-Trichlorobenzene	180	11.232	11.232	(1.141)	244284	25.0000	24.581

QC Flag Legend

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

Data File: \\qcanch04\dd\chem\HSV\a3ux7.i\U412170-IC.b\UX78147.D
Date : 17-DEC-2004 18:00
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78148.D
Report Date: 18-Dec-2004 11:04

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78148.D
Lab Smp Id: 10NG-IC
Inj Date : 17-DEC-2004 18:23 Inst ID: a3ux7.i
Operator : 1904
Smp Info : 10NG-IC
Misc Info : U41217A-IC,N8260UX7-3,1-8260.SUB,1904,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
Meth Date : 18-Dec-2004 11:04 quayler Quant Type: ISTD
Cal Date : 17-DEC-2004 18:23 Cal File: UX78148.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.961	4.961	(1.000)	1048611	50.0000	
* 2 Chlorobenzene-d5	117	7.623	7.623	(1.000)	702919	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.848	9.848	(1.000)	345743	50.0000	
$ 4 Dibromofluoromethane	113	4.393	4.393	(0.886)	59916	10.0000	9.984
$ 5 1,2-Dichloroethane-d4	65	4.677	4.677	(0.943)	70645	10.0000	9.956
$ 6 Toluene-d8	98	6.310	6.310	(0.828)	213016	10.0000	9.387
$ 7 Bromofluorobenzene	95	8.724	8.724	(1.144)	73937	10.0000	9.537
8 Dichlorodifluoromethane	85	1.447	1.447	(0.292)	43368	10.0000	10.188
9 Chloromethane	50	1.577	1.577	(0.318)	68667	10.0000	10.406
10 Vinyl Chloride	62	1.672	1.672	(0.337)	66481	10.0000	10.399
11 Bromomethane	94	1.932	1.932	(0.389)	37915	10.0000	11.064
12 Chloroethane	64	2.015	2.015	(0.406)	41787	10.0000	10.243
13 Trichlorofluoromethane	101	2.216	2.216	(0.447)	65839	10.0000	10.407
15 Acrolein	56	2.524	2.524	(0.509)	82432	100.000	98.123
16 Acetone	43	2.642	2.642	(0.533)	71255	20.0000	23.641
17 1,1-Dichloroethene	96	2.618	2.618	(0.528)	63663	10.0000	10.599
18 Freon-113	151	2.642	2.642	(0.533)	40001	10.0000	10.590

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78148.D
Report Date: 18-Dec-2004 11:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 Iodomethane	142	2.737	2.737	(0.552)	100389	10.0000	10.167
20 Carbon Disulfide	76	2.808	2.808	(0.566)	227226	10.0000	10.451
21 Methylene Chloride	84	2.985	2.985	(0.602)	88761	10.0000	11.839
22 Acetonitrile	41	2.855	2.855	(0.575)	81945	100.000	116.65
23 Acrylonitrile	53	3.174	3.174	(0.640)	232665	100.000	99.166
24 Methyl tert-butyl ether	73	3.222	3.222	(0.649)	176585	10.0000	9.835
25 trans-1,2-Dichloroethene	96	3.222	3.222	(0.649)	72253	10.0000	10.226
26 Hexane	86	3.446	3.446	(0.695)	17772	10.0000	10.692
27 Vinyl acetate	43	3.577	3.577	(0.721)	87194	10.0000	8.731
28 1,1-Dichloroethane	63	3.553	3.553	(0.716)	116255	10.0000	10.023
29 tert-Butyl Alcohol	59	3.080	3.080	(0.621)	91895	200.000	226.46
30 2-Butanone	43	4.026	4.026	(0.812)	66003	20.0000	18.035
M 31 1,2-Dichloroethene (total)	96				144628	20.0000	20.100
32 cis-1,2-dichloroethene	96	4.014	4.014	(0.809)	72375	10.0000	9.874
33 2,2-Dichloropropane	77	4.026	4.026	(0.812)	77836	10.0000	10.198
34 Bromochloromethane	128	4.204	4.204	(0.847)	37353	10.0000	10.176
35 Chloroform	83	4.263	4.263	(0.859)	111168	10.0000	10.058
36 Tetrahydrofuran	42	4.275	4.275	(0.862)	20414	10.0000	11.036
37 1,1,1-Trichloroethane	97	4.440	4.440	(0.895)	90945	10.0000	10.394
38 1,1-Dichloropropene	75	4.571	4.571	(0.921)	89486	10.0000	9.948
39 Carbon Tetrachloride	117	4.582	4.582	(0.924)	69056	10.0000	9.762
40 1,2-Dichloroethane	62	4.736	4.736	(0.955)	82516	10.0000	9.818
41 Benzene	78	4.736	4.736	(0.955)	276983	10.0000	9.970
42 Trichloroethene	130	5.269	5.269	(1.062)	74494	10.0000	9.695
43 1,2-Dichloropropane	63	5.458	5.458	(1.100)	61713	10.0000	9.503
44 1,4-Dioxane	88	5.588	5.588	(1.126)	23060	500.000	442.80(A)
45 Dibromomethane	93	5.553	5.553	(1.119)	38019	10.0000	9.760
46 Bromodichloromethane	83	5.683	5.683	(1.145)	78386	10.0000	9.713
47 2-Chloroethyl vinyl ether	63	5.931	5.931	(1.196)	64937	20.0000	17.594
48 cis-1,3-Dichloropropene	75	6.073	6.073	(1.224)	98239	10.0000	9.304
49 4-Methyl-2-pentanone	43	6.204	6.204	(1.250)	105170	20.0000	19.462
50 Toluene	91	6.369	6.369	(0.835)	262318	10.0000	9.518
51 trans-1,3-Dichloropropene	75	6.547	6.547	(0.859)	79087	10.0000	8.919
52 Ethyl Methacrylate	69	6.629	6.629	(0.870)	67204	10.0000	9.099
53 1,1,2-Trichloroethane	97	6.712	6.712	(0.880)	51602	10.0000	9.605
54 1,3-Dichloropropane	76	6.866	6.866	(0.901)	93748	10.0000	9.602
55 Tetrachloroethene	164	6.878	6.878	(0.902)	55431	10.0000	9.682
56 2-Hexanone	43	6.937	6.937	(0.910)	85018	20.0000	18.479
57 Dibromochloromethane	129	7.079	7.079	(0.929)	54019	10.0000	9.397
58 1,2-Dibromoethane	107	7.197	7.197	(0.944)	51627	10.0000	9.458
59 Chlorobenzene	112	7.647	7.647	(1.003)	167995	10.0000	9.697
60 1,1,1,2-Tetrachloroethane	131	7.718	7.718	(1.012)	51703	10.0000	9.354
61 Ethylbenzene	106	7.742	7.742	(1.016)	85667	10.0000	9.482
62 m + p-Xylene	106	7.860	7.860	(1.031)	210459	20.0000	18.682
M 63 Xylenes (total)	106				311602	30.0000	28.201
64 Xylene-o	106	8.227	8.227	(1.079)	101143	10.0000	9.519
65 Styrene	104	8.239	8.239	(1.081)	172488	10.0000	9.363

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78148.D
Report Date: 18-Dec-2004 11:04

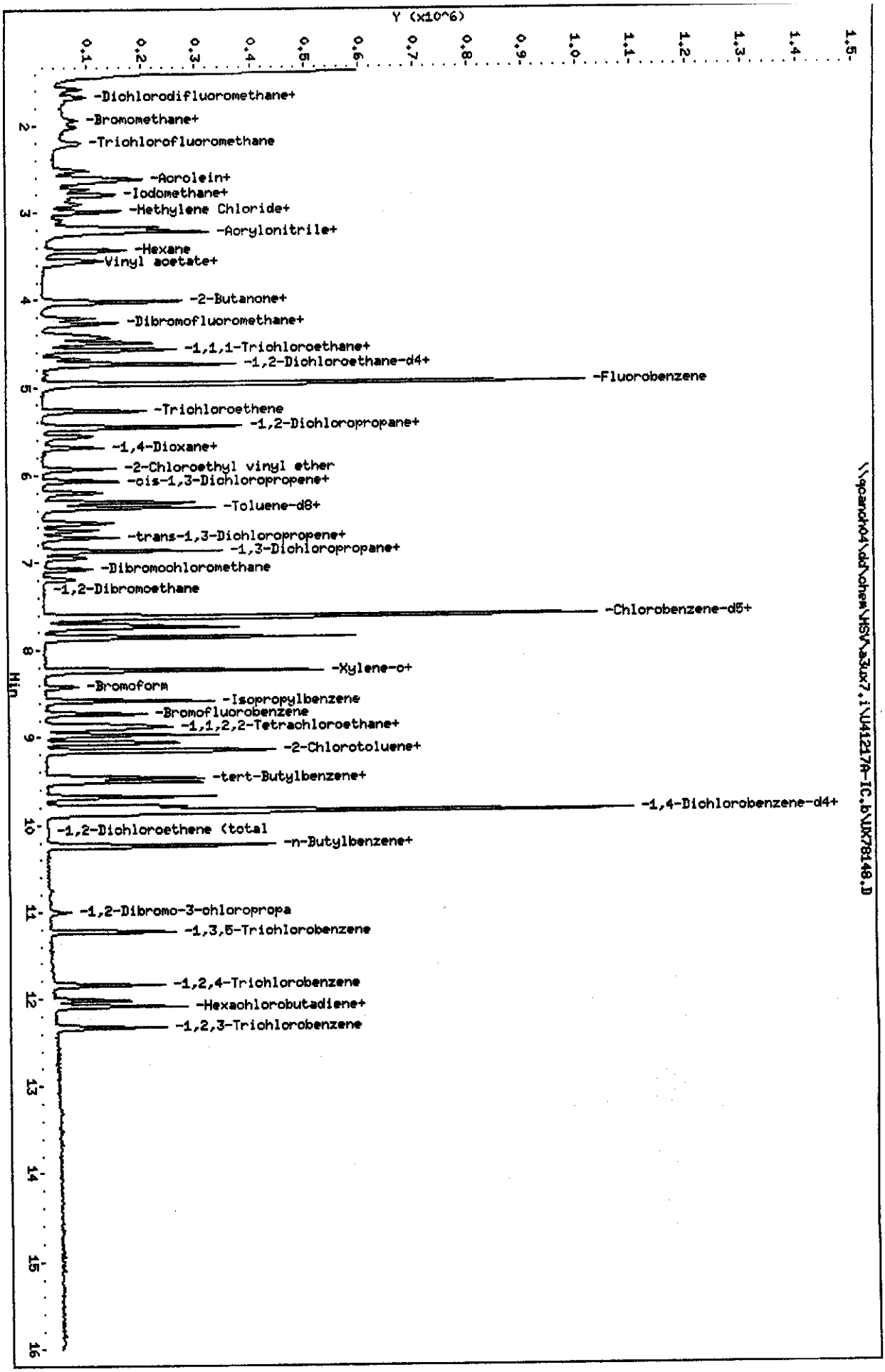
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.416	8.416	(1.104)	35076	10.0000	9.230
67 Isopropylbenzene	105	8.582	8.582	(1.126)	240146	10.0000	9.734
68 1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.899)	59765	10.0000	9.796
69 1,4-Dichloro-2-butene	53	8.901	8.901	(0.904)	16330	10.0000	9.315
70 1,2,3-Trichloropropane	110	8.901	8.901	(0.904)	19400	10.0000	9.569
71 Bromobenzene	156	8.878	8.878	(0.901)	69923	10.0000	9.890
72 n-Propylbenzene	120	8.972	8.972	(0.911)	69013	10.0000	9.516
73 2-Chlorotoluene	126	9.067	9.067	(0.921)	61844	10.0000	9.654
74 1,3,5-Trimethylbenzene	105	9.150	9.150	(0.929)	203603	10.0000	9.570
75 4-Chlorotoluene	126	9.162	9.162	(0.930)	62707	10.0000	9.513
76 tert-Butylbenzene	119	9.469	9.469	(0.962)	177301	10.0000	9.789
77 1,2,4-Trimethylbenzene	105	9.517	9.517	(0.966)	211288	10.0000	9.687
78 sec-Butylbenzene	105	9.682	9.682	(0.983)	250595	10.0000	9.719
79 4-Isopropyltoluene	119	9.824	9.824	(0.998)	213105	10.0000	9.782
80 1,3-Dichlorobenzene	146	9.789	9.789	(0.994)	127533	10.0000	9.832
81 1,4-Dichlorobenzene	146	9.872	9.872	(1.002)	133572	10.0000	9.953
82 n-Butylbenzene	91	10.227	10.227	(1.038)	189005	10.0000	9.833
83 1,2-Dichlorobenzene	146	10.239	10.239	(1.040)	123427	10.0000	9.874
84 1,2-Dibromo-3-chloropropane	157	11.008	11.008	(1.118)	12723	10.0000	9.092
85 1,2,4-Trichlorobenzene	180	11.848	11.848	(1.203)	88891	10.0000	9.844
86 Hexachlorobutadiene	225	12.025	12.025	(1.221)	37306	10.0000	10.366
87 Naphthalene	128	12.084	12.084	(1.227)	246081	10.0000	10.624
88 1,2,3-Trichlorobenzene	180	12.333	12.333	(1.252)	86504	10.0000	10.278
98 Cyclohexane	56	4.488	4.488	(0.905)	117893	10.0000	10.691
143 Methyl Acetate	43	2.902	2.902	(0.585)	104871	20.0000	21.075
144 Methylcyclohexane	83	5.446	5.446	(1.098)	108855	10.0000	10.214
141 1,3,5-Trichlorobenzene	180	11.232	11.232	(1.141)	94667	10.0000	9.839

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U41217A-IC.b\UX78148.D
Date : 17-DEC-2004 18:23
Client ID:
Sample Info: 10NG-IC
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78149.D
Report Date: 18-Dec-2004 11:05

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78149.D
Lab Smp Id: 5NG-IC
Inj Date : 17-DEC-2004 18:46
Operator : 1904 Inst ID: a3ux7.i
Smp Info : 5NG-IC
Misc Info : U41217A-IC,N8260UX7-3,1-8260.SUB,1904,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
Meth Date : 18-Dec-2004 11:04 quayler Quant Type: ISTD
Cal Date : 17-DEC-2004 18:46 Cal File: UX78149.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.965	4.965	(1.000)	1043496	50.0000	
* 2 Chlorobenzene-d5	117	7.616	7.616	(1.000)	687921	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.852	9.852	(1.000)	336978	50.0000	
$ 4 Dibromofluoromethane	113	4.397	4.397	(0.886)	30553	5.00000	5.096
$ 5 1,2-Dichloroethane-d4	65	4.681	4.681	(0.943)	35773	5.00000	5.055
$ 6 Toluene-d8	98	6.314	6.314	(0.829)	112004	5.00000	5.036
$ 7 Bromofluorobenzene	95	8.728	8.728	(1.146)	39223	5.00000	5.141
8 Dichlorodifluoromethane	85	1.451	1.451	(0.292)	20621	5.00000	4.889
9 Chloromethane	50	1.581	1.581	(0.318)	37192	5.00000	5.541
10 Vinyl Chloride	62	1.676	1.676	(0.338)	31939	5.00000	5.017
11 Bromomethane	94	1.936	1.936	(0.390)	20644	5.00000	5.848
12 Chloroethane	64	2.019	2.019	(0.407)	20645	5.00000	5.071
13 Trichlorofluoromethane	101	2.220	2.220	(0.447)	30813	5.00000	4.912
15 Acrolein	56	2.528	2.528	(0.509)	42820	50.0000	51.013
16 Acetone	43	2.646	2.646	(0.533)	59744	10.0000	17.093
17 1,1-Dichloroethene	96	2.622	2.622	(0.528)	32846	5.00000	5.406
18 Freon-113	151	2.646	2.646	(0.533)	16890	5.00000	4.570

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78149.D
Report Date: 18-Dec-2004 11:05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 Iodomethane	142	2.741	2.741	(0.552)	49677	5.00000	5.046
20 Carbon Disulfide	76	2.800	2.800	(0.564)	109605	5.00000	5.055
21 Methylene Chloride	84	2.989	2.989	(0.602)	55416	5.00000	6.872
22 Acetonitrile	41	2.859	2.859	(0.576)	44912	50.0000	61.334
23 Acrylonitrile	53	3.178	3.178	(0.640)	118330	50.0000	50.567
24 Methyl tert-butyl ether	73	3.226	3.226	(0.650)	86611	5.00000	4.872
25 trans-1,2-Dichloroethene	96	3.214	3.214	(0.647)	35288	5.00000	5.016
26 Hexane	86	3.439	3.439	(0.693)	7902	5.00000	4.813
27 Vinyl acetate	43	3.581	3.581	(0.721)	48824	5.00000	4.927
28 1,1-Dichloroethane	63	3.545	3.545	(0.714)	59205	5.00000	5.107
29 tert-Butyl Alcohol	59	3.084	3.084	(0.621)	37831	100.000	94.681
30 2-Butanone	43	4.030	4.030	(0.812)	37825	10.0000	10.320
M 31 1,2-Dichloroethene (total)	96				71637	10.0000	10.002
32 cis-1,2-dichloroethene	96	4.018	4.018	(0.809)	36349	5.00000	4.986
33 2,2-Dichloropropane	77	4.018	4.018	(0.809)	39877	5.00000	5.207
34 Bromochloromethane	128	4.208	4.208	(0.847)	17946	5.00000	4.927
35 Chloroform	83	4.267	4.267	(0.859)	56089	5.00000	5.083
36 Tetrahydrofuran	42	4.279	4.279	(0.862)	13171	5.00000	6.676
37 1,1,1-Trichloroethane	97	4.433	4.433	(0.893)	47688	5.00000	5.391
38 1,1-Dichloropropene	75	4.563	4.563	(0.919)	45722	5.00000	5.090
39 Carbon Tetrachloride	117	4.575	4.575	(0.921)	32598	5.00000	4.688
40 1,2-Dichloroethane	62	4.740	4.740	(0.955)	41817	5.00000	5.000
41 Benzene	78	4.740	4.740	(0.955)	149418	5.00000	5.333
42 Trichloroethene	130	5.273	5.273	(1.062)	39246	5.00000	5.110
43 1,2-Dichloropropane	63	5.462	5.462	(1.100)	30657	5.00000	4.785
44 1,4-Dioxane	88	5.592	5.592	(1.126)	11684	250.000	229.21(A)
45 Dibromomethane	93	5.557	5.557	(1.119)	18905	5.00000	4.897
46 Bromodichloromethane	83	5.687	5.687	(1.145)	39251	5.00000	4.906
47 2-Chloroethyl vinyl ether	63	5.935	5.935	(1.195)	32482	10.0000	9.018
48 cis-1,3-Dichloropropene	75	6.066	6.066	(1.222)	47672	5.00000	4.608
49 4-Methyl-2-pentanone	43	6.208	6.208	(1.250)	52225	10.0000	9.759
50 Toluene	91	6.373	6.373	(0.837)	133919	5.00000	4.971
51 trans-1,3-Dichloropropene	75	6.551	6.551	(0.860)	39368	5.00000	4.608
52 Ethyl Methacrylate	69	6.634	6.634	(0.871)	34031	5.00000	4.754
53 1,1,2-Trichloroethane	97	6.716	6.716	(0.882)	25868	5.00000	4.933
54 1,3-Dichloropropane	76	6.870	6.870	(0.902)	45804	5.00000	4.827
55 Tetrachloroethene	164	6.870	6.870	(0.902)	28277	5.00000	5.039
56 2-Hexanone	43	6.941	6.941	(0.911)	48835	10.0000	10.695
57 Dibromochloromethane	129	7.083	7.083	(0.930)	27386	5.00000	4.889
58 1,2-Dibromoethane	107	7.190	7.190	(0.944)	25879	5.00000	4.870
59 Chlorobenzene	112	7.651	7.651	(1.005)	83129	5.00000	4.919
60 1,1,1,2-Tetrachloroethane	131	7.722	7.722	(1.014)	25896	5.00000	4.822
61 Ethylbenzene	106	7.746	7.746	(1.017)	42678	5.00000	4.855
62 m + p-Xylene	106	7.852	7.852	(1.031)	105974	10.0000	9.675
M 63 Xylenes (total)	106				156212	15.0000	14.533
64 Xylene-o	106	8.231	8.231	(1.081)	50238	5.00000	4.859
65 Styrene	104	8.243	8.243	(1.082)	82660	5.00000	4.649

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78149.D
Report Date: 18-Dec-2004 11:05

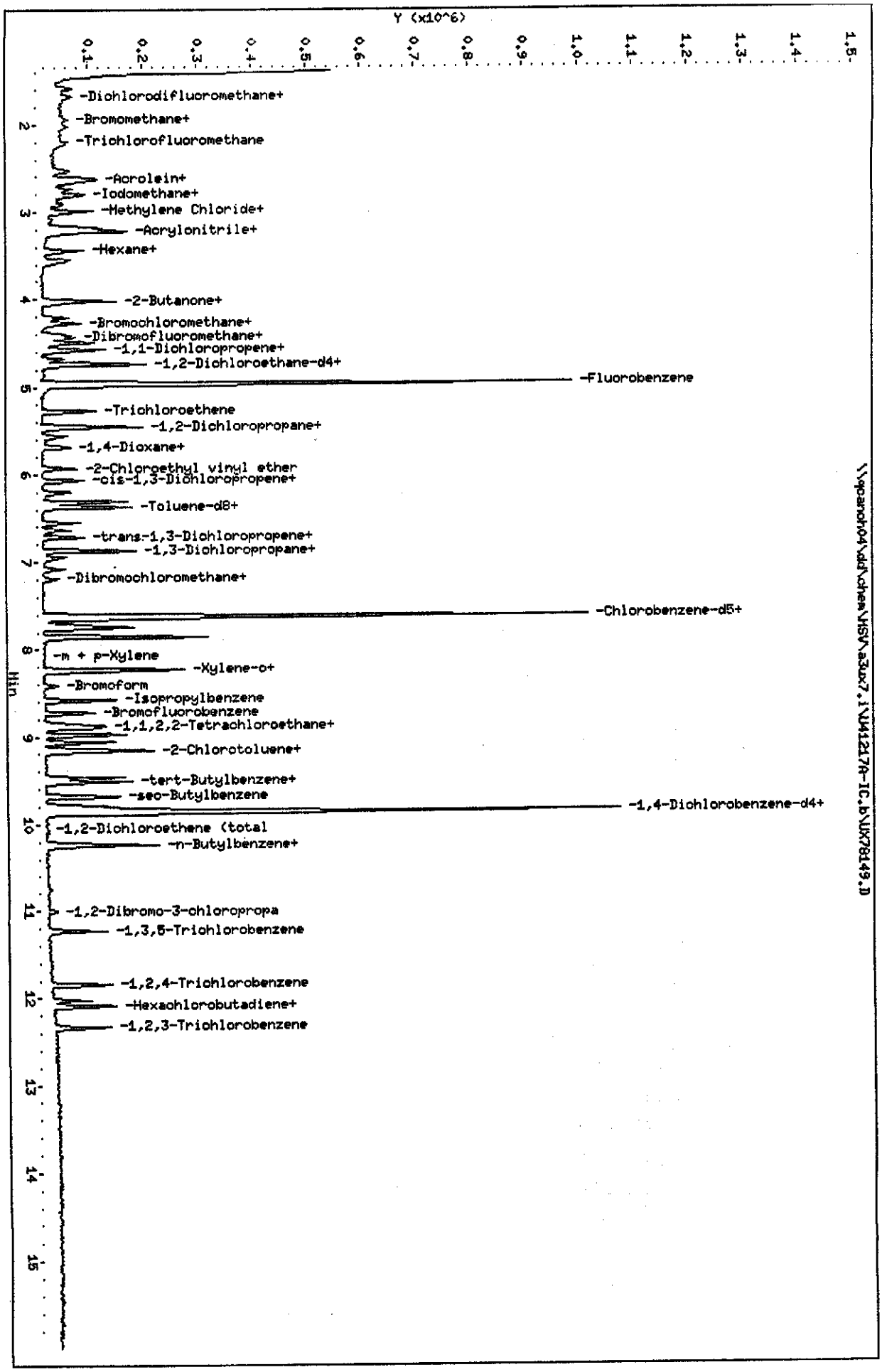
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.420	8.420	(1.106)	17206	5.00000	4.684
67 Isopropylbenzene	105	8.586	8.586	(1.127)	115960	5.00000	4.835
68 1,1,2,2-Tetrachloroethane	83	8.846	8.846	(0.898)	29264	5.00000	4.934
69 1,4-Dichloro-2-butene	53	8.905	8.905	(0.904)	7994	5.00000	4.729
70 1,2,3-Trichloropropane	110	8.905	8.905	(0.904)	9749	5.00000	4.945
71 Bromobenzene	156	8.882	8.882	(0.902)	33773	5.00000	4.917
72 n-Propylbenzene	120	8.976	8.976	(0.911)	32914	5.00000	4.710
73 2-Chlorotoluene	126	9.059	9.059	(0.920)	29342	5.00000	4.747
74 1,3,5-Trimethylbenzene	105	9.142	9.142	(0.928)	96804	5.00000	4.720
75 4-Chlorotoluene	126	9.166	9.166	(0.930)	30286	5.00000	4.759
76 tert-Butylbenzene	119	9.462	9.462	(0.960)	85411	5.00000	4.865
77 1,2,4-Trimethylbenzene	105	9.509	9.509	(0.965)	100337	5.00000	4.764
78 sec-Butylbenzene	105	9.675	9.675	(0.982)	118530	5.00000	4.762
79 4-Isopropyltoluene	119	9.817	9.817	(0.996)	100041	5.00000	4.757
80 1,3-Dichlorobenzene	146	9.793	9.793	(0.994)	65114	5.00000	5.125
81 1,4-Dichlorobenzene	146	9.876	9.876	(1.002)	65210	5.00000	4.988
82 n-Butylbenzene	91	10.231	10.231	(1.038)	90388	5.00000	4.853
83 1,2-Dichlorobenzene	146	10.243	10.243	(1.040)	60830	5.00000	4.994
84 1,2-Dibromo-3-chloropropane	157	11.012	11.012	(1.118)	6389	5.00000	4.734
85 1,2,4-Trichlorobenzene	180	11.840	11.840	(1.202)	46407	5.00000	5.226
86 Hexachlorobutadiene	225	12.017	12.017	(1.220)	17906	5.00000	5.087
87 Naphthalene	128	12.088	12.088	(1.227)	121931	5.00000	5.330
88 1,2,3-Trichlorobenzene	180	12.325	12.325	(1.251)	40772	5.00000	4.975
98 Cyclohexane	56	4.492	4.492	(0.905)	56045	5.00000	5.089
143 Methyl Acetate	43	2.906	2.906	(0.585)	61292	10.0000	11.906
144 Methylcyclohexane	83	5.450	5.450	(1.098)	51950	5.00000	4.915(a)
141 1,3,5-Trichlorobenzene	180	11.236	11.236	(1.141)	47401	5.00000	5.045

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.

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U412170-IC.b\UX78149.D
Date : 17-DEC-2004 18:46
Client ID:
Sample Info: 5NG-IC
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18



Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
Start Cal Date: 17-DEC-2004 16:52
End Cal Date : 18-DEC-2004 02:43
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
18-DEC-2004 02:43	3-IX	UX78168.D
17-DEC-2004 18:46	1-8260	UX78149.D
Cal Level: 2 , Cal Amount: 10.000		
18-DEC-2004 02:20	3-IX	UX78167.D
17-DEC-2004 18:23	1-8260	UX78148.D
Cal Level: 3 , Cal Amount: 25.000		
18-DEC-2004 01:57	3-IX	UX78166.D
17-DEC-2004 18:00	1-8260	UX78147.D
Cal Level: 4 , Cal Amount: 50.000		
18-DEC-2004 01:35	3-IX	UX78165.D
17-DEC-2004 17:37	1-8260	UX78146.D
Cal Level: 5 , Cal Amount: 100.00		
18-DEC-2004 01:12	3-IX	UX78164.D
17-DEC-2004 17:15	1-8260	UX78145.D
Cal Level: 6 , Cal Amount: 200.00		
18-DEC-2004 00:50	3-IX	UX78163.D
17-DEC-2004 16:52	1-8260	UX78144.D

Continuing Calibration

18-DEC-2004 01:35	3-IX	UX78165.D

Report Date : 18-Dec-2004 11:20

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 17-DEC-2004 16:52
End Cal Date : 18-DEC-2004 02:43
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
Cal Date : 18-Dec-2004 11:17 quayler
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78168.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78167.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78166.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78165.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78164.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78163.D

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
8 Dichlorodifluoromethane	0.19761	0.20679	0.21031	0.21186	0.18857	0.19738	0.20209	4.482
9 Chloromethane	0.35642	0.32742	0.31690	0.30165	0.31796	0.30932	0.32161	5.949
10 Vinyl Chloride	0.30608	0.31700	0.30555	0.29862	0.30761	0.29532	0.30503	2.482
11 Bromomethane	0.19783	0.18079	0.16821	0.16985	0.15707	0.14109	0.16914	11.504
12 Chloroethane	0.19784	0.19925	0.19826	0.19269	0.19706	0.18534	0.19507	2.710
13 Trichlorofluoromethane	0.29529	0.31393	0.31314	0.30505	0.29022	0.28594	0.30060	3.952
14 Dichlorofluoromethane	0.40446	0.34968	0.38084	0.37608	0.36870	0.35178	0.37192	5.466
15 Acrolein	0.04104	0.03931	0.03978	0.03857	0.04244	0.04019	0.04022	3.394
16 Acetone	0.28627	0.16988	0.14659	0.13220	0.14195	0.12796	0.16747	35.839
17 1,1-Dichloroethene	0.31477	0.30356	0.29156	0.27547	0.27906	0.28236	0.29113	5.280
18 Freon-113	0.16186	0.19073	0.19117	0.18541	0.16072	0.17253	0.17707	7.884
19 Iodomethane	0.47606	0.47868	0.47090	0.45105	0.47743	0.47590	0.47167	2.214
20 Carbon Disulfide	1.05036	1.08346	1.03029	0.99820	1.02558	1.04599	1.03898	2.748
21 Methylene Chloride	0.53106	0.42323	0.35748	0.32610	0.33990	0.34072	0.38642	20.379
22 Acetonitrile	0.04304	0.03907	0.03423	0.02822	0.03258	0.03337	0.03509	14.876
23 Acrylonitrile	0.11340	0.11094	0.11269	0.10463	0.11772	0.11338	0.11213	3.834
24 Methyl tert-butyl ether	0.83001	0.84199	0.85148	0.80882	0.89886	0.87932	0.85175	3.855
25 trans-1,2-Dichloroethene	0.33817	0.34452	0.33279	0.31907	0.34246	0.34559	0.33710	2.969
26 Hexane	0.07573	0.08474	0.08223	0.08153	0.07040	0.07736	0.07866	6.643
27 Vinyl acetate	0.46789	0.41576	0.43440	0.43537	0.52889	0.56646	0.47480	12.654
28 1,1-Dichloroethane	0.56737	0.55433	0.54958	0.52186	0.56574	0.57385	0.55545	3.368
29 tert-Butyl Alcohol	0.01813	0.02191	0.02166	0.01659	0.01864	0.01795	0.01915	11.265
30 2-Butanone	0.18124	0.15736	0.16628	0.17115	0.19847	0.17927	0.17563	8.084
M 31 1,2-Dichloroethene (total)	0.34325	0.34481	0.33919	0.32758	0.35020	0.35421	0.34321	2.711
32 cis-1,2-dichloroethene	0.34834	0.34510	0.34560	0.33608	0.35794	0.36283	0.34931	2.760

Report Date : 18-Dec-2004 11:20

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 17-DEC-2004 16:52
End Cal Date : 18-DEC-2004 02:43
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
Cal Date : 18-Dec-2004 11:17 quayler
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD	
	33 2,2-Dichloropropane	0.38215	0.37114	0.36604	0.35217	0.36824	0.36206	0.36696	2.707	
	34 Bromochloromethane	0.17198	0.17811	0.17247	0.16724	0.17740	0.17992	0.17452	2.737	
	35 Chloroform	0.53751	0.53007	0.52354	0.50097	0.53888	0.54158	0.52876	2.861	
	36 Tetrahydrofuran	0.12622	0.09734	0.08786	0.08372	0.08807	0.08400	0.09453	17.227	
	37 1,1,1-Trichloroethane	0.45700	0.43365	0.41706	0.40399	0.41122	0.42017	0.42385	4.487	
	38 1,1-Dichloropropene	0.43816	0.42669	0.42431	0.41426	0.43390	0.44532	0.43044	2.558	
	39 Carbon Tetrachloride	0.31239	0.32927	0.33358	0.32813	0.34140	0.35410	0.33315	4.199	
	40 1,2-Dichloroethane	0.40074	0.39345	0.40156	0.38134	0.41420	0.41322	0.40075	3.091	
	41 Benzene	1.43190	1.32071	1.29054	1.24437	1.36920	1.39878	1.34258	5.233	
	42 Trichloroethene	0.37610	0.35520	0.36981	0.35385	0.38079	0.37225	0.36800	3.012	
	43 1,2-Dichloropropane	0.29379	0.29426	0.30396	0.29042	0.32413	0.33551	0.30701	6.054	
	44 1,4-Dioxane	0.00224	0.00220	0.00263	0.00234	0.00269	0.00256	0.00244	8.578	<-
	45 Dibromomethane	0.18117	0.18128	0.18634	0.17778	0.19305	0.19028	0.18498	3.200	
	46 Bromodichloromethane	0.37615	0.37376	0.37035	0.36675	0.40317	0.40998	0.38336	4.797	
	47 2-Chloroethyl vinyl ether	0.15564	0.15482	0.16739	0.16289	0.19588	0.19896	0.17259	11.477	
	48 cis-1,3-Dichloropropene	0.45685	0.46842	0.48305	0.47554	0.53790	0.55234	0.49568	7.973	
	49 4-Methyl-2-pentanone	0.25024	0.25074	0.24225	0.23930	0.28911	0.26694	0.25643	7.282	
	50 Toluene	1.94672	1.86592	1.93832	1.86159	2.02710	2.10894	1.95810	4.890	
	51 trans-1,3-Dichloropropene	0.57228	0.56256	0.60644	0.60283	0.68687	0.69506	0.62101	9.153	
	52 Ethyl Methacrylate	0.49469	0.47804	0.50785	0.50617	0.56265	0.57226	0.52028	7.339	
	53 1,1,2-Trichloroethane	0.37603	0.36706	0.38218	0.36382	0.39726	0.40035	0.38112	3.987	
	54 1,3-Dichloropropane	0.66583	0.66685	0.67692	0.66111	0.73198	0.73577	0.68974	5.015	
	55 Tetrachloroethene	0.41105	0.39429	0.41478	0.39353	0.41169	0.42195	0.40788	2.818	
	56 2-Hexanone	0.35495	0.30237	0.30360	0.32320	0.37582	0.33135	0.33188	8.742	
	57 Dibromochloromethane	0.39810	0.38425	0.40085	0.38916	0.43228	0.43806	0.40711	5.554	
	58 1,2-Dibromoethane	0.37619	0.36723	0.38992	0.37356	0.41072	0.39986	0.38625	4.366	
	59 Chlorobenzene	1.20841	1.19498	1.21038	1.16379	1.28753	1.30484	1.22832	4.512	
	60 1,1,1,2-Tetrachloroethane	0.37644	0.36777	0.39275	0.37717	0.40967	0.41844	0.39037	5.181	
	61 Ethylbenzene	0.62039	0.60937	0.63219	0.60879	0.67074	0.69215	0.63894	5.429	
	62 m + p-Xylene	0.77025	0.74852	0.79934	0.75935	0.83464	0.86481	0.79615	5.756	
M	63 Xylenes (total)	0.75693	0.73883	0.77958	0.74791	0.81954	0.84485	0.78127	5.435	
	64 Xylene-o	0.73029	0.71945	0.74006	0.72504	0.78934	0.80494	0.75152	4.833	
	65 Styrene	1.20159	1.22694	1.26226	1.23891	1.38994	1.43400	1.29227	7.411	

Report Date : 18-Dec-2004 11:20

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 17-DEC-2004 16:52
End Cal Date : 18-DEC-2004 02:43
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
Cal Date : 18-Dec-2004 11:17 quayler
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD
66 Bromoform	0.25012	0.24950	0.26610	0.26057	0.28675	0.28870	0.26696	6.475
67 Isopropylbenzene	1.68566	1.70821	1.73369	1.68761	1.78530	1.85949	1.74333	3.891
68 1,1,2,2-Tetrachloroethane	0.86842	0.86430	0.87028	0.85444	0.91119	0.91107	0.87995	2.815
69 1,4-Dichloro-2-butene	0.23723	0.23616	0.24816	0.24633	0.26981	0.26717	0.25081	5.792
70 1,2,3-Trichloropropane	0.28931	0.28056	0.29753	0.29401	0.30351	0.29035	0.29254	2.675
71 Bromobenzene	1.00223	1.01120	0.99790	0.97025	1.06880	1.06396	1.01906	3.842
72 n-Propylbenzene	0.97674	0.99804	1.02809	1.02454	1.08655	1.10698	1.03682	4.868
73 2-Chlorotoluene	0.87074	0.89436	0.91589	0.88654	0.96254	0.97268	0.91713	4.563
74 1,3,5-Trimethylbenzene	2.87271	2.94443	3.02068	2.95512	3.19128	3.27290	3.04285	5.129
75 4-Chlorotoluene	0.89875	0.90684	0.92943	0.92244	0.99198	1.01567	0.94419	5.089
76 tert-Butylbenzene	2.53462	2.56406	2.57421	2.54055	2.67923	2.73791	2.60510	3.207
77 1,2,4-Trimethylbenzene	2.97755	3.05556	3.08915	3.02538	3.26177	3.33979	3.12487	4.584
78 sec-Butylbenzene	3.51744	3.62401	3.67725	3.62527	3.79168	3.92494	3.69343	3.904
79 4-Isopropyltoluene	2.96877	3.08184	3.07924	3.02198	3.22232	3.34696	3.12018	4.477
80 1,3-Dichlorobenzene	1.93229	1.84433	1.84472	1.78459	1.94472	1.96083	1.88525	3.744
81 1,4-Dichlorobenzene	1.93514	1.93167	1.90322	1.84513	2.00382	2.01964	1.93977	3.330
82 n-Butylbenzene	2.68231	2.73332	2.74281	2.65674	2.81297	2.95336	2.76358	3.891
83 1,2-Dichlorobenzene	1.80516	1.78495	1.79995	1.72476	1.86272	1.86614	1.80728	2.918
84 1,2-Dibromo-3-chloropropane	0.18960	0.18400	0.20460	0.20413	0.21898	0.20008	0.20023	6.168
85 1,2,4-Trichlorobenzene	1.37715	1.28551	1.28747	1.24276	1.36364	1.34972	1.31771	4.050
86 Hexachlorobutadiene	0.53137	0.53950	0.52243	0.49773	0.51050	0.53208	0.52227	2.987
87 Naphthalene	3.61837	3.55873	3.35830	3.17699	3.49206	3.16315	3.39460	5.724
88 1,2,3-Trichlorobenzene	1.20993	1.25099	1.21087	1.16251	1.25082	1.21062	1.21596	2.700
89 Ethyl Ether	0.22953	0.21011	0.22076	0.22784	0.22898	0.21523	0.22208	3.648
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
91 3-Chloropropene	0.16551	0.15300	0.16154	0.16507	0.16566	0.15667	0.16124	3.296
92 Isopropyl Ether	0.26190	0.25406	0.26739	0.27683	0.28632	0.27421	0.27012	4.244
93 2-Chloro-1,3-butadiene	0.38035	0.35644	0.38290	0.39305	0.40474	0.38432	0.38363	4.179
94 Propionitrile	0.03596	0.03442	0.03177	0.03339	0.03562	0.03394	0.03419	4.486
95 Ethyl Acetate	0.19770	0.20940	0.18980	0.19051	0.20833	0.20078	0.19942	4.230
96 Methacrylonitrile	0.14702	0.15600	0.12522	0.13711	0.14589	0.14035	0.14193	7.351
97 Isobutanol	0.00650	0.00699	0.00640	0.00810	0.00903	0.00788	0.00748	13.772 <-
98 Cyclohexane	0.53709	0.56214	0.54755	0.52384	0.47730	0.51823	0.52769	5.566

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STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 17-DEC-2004 16:52
End Cal Date : 18-DEC-2004 02:43
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
Cal Date : 18-Dec-2004 11:17 quayler
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
99 n-Butanol	0.00820	0.00874	0.00724	0.00736	0.00757	0.00677	0.00765	9.294	<-
100 Methyl Methacrylate	0.18657	0.16893	0.16249	0.16941	0.18775	0.17525	0.17507	5.831	
101 2-Nitropropane	0.04493	0.03306	0.04192	0.03475	0.04183	0.03805	0.03909	11.775	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	0.03613	0.03576	0.02797	0.02818	0.02855	0.02508	0.03028	15.068	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M 137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 1,3,5-Trichlorobenzene	1.40665	1.36904	1.37368	1.32219	1.43285	1.45959	1.39400	3.538	
143 Methyl Acetate	0.29369	0.25002	0.23584	0.22426	0.24542	0.23081	0.24667	10.085	
144 Methylcyclohexane	0.49785	0.51904	0.53198	0.51617	0.46294	0.51076	0.50646	4.748	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	2.90747	2.74944	2.06855	2.03906	2.12060	+++++	2.37702	17.538	
$ 4 Dibromofluoromethane	0.29279	0.28569	0.28016	0.26319	0.30150	0.30027	0.28727	5.008	
$ 5 1,2-Dichloroethane-d4	0.34282	0.33685	0.31441	0.32202	0.36196	0.35639	0.33907	5.505	
$ 6 Toluene-d8	1.62815	1.51522	1.58466	1.50420	1.72312	1.74381	1.61653	6.284	
$ 7 Bromofluorobenzene	0.57017	0.52593	0.54562	0.51681	0.58436	0.58455	0.55457	5.322	

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INITIAL CALIBRATION DATA

tart Cal Date : 17-DEC-2004 16:52
nd Cal Date : 18-DEC-2004 02:43
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
al Date : 18-Dec-2004 11:17 quayler

alibration File Names:
evel 1: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78168.D
evel 2: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78167.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78166.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78165.D
evel 5: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78164.D
evel 6: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78163.D

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
8 Dichlorodifluoromethane	0.19761	0.20679	0.21031	0.21186	0.18857	0.19738	AVRG		0.20209		4.48175
9 Chloromethane	0.35642	0.32742	0.31690	0.30165	0.31796	0.30932	AVRG		0.32161		5.94881
10 Vinyl Chloride	0.30608	0.31700	0.30555	0.29862	0.30761	0.29532	AVRG		0.30503		2.48193
11 Bromomethane	0.19783	0.18079	0.16821	0.16985	0.15707	0.14109	AVRG		0.16914		11.50388
12 Chloroethane	0.19784	0.19925	0.19826	0.19269	0.19706	0.18534	AVRG		0.19507		2.70973
13 Trichlorofluoromethane	0.29529	0.31393	0.31314	0.30505	0.29022	0.28594	AVRG		0.30060		3.95190
14 Dichlorofluoromethane	0.40446	0.34968	0.38084	0.37608	0.36870	0.35178	AVRG		0.37192		5.46573
15 Acrolein	0.04104	0.03931	0.03978	0.03857	0.04244	0.04019	AVRG		0.04022		3.39387
16 Acetone	59744	71255	158724	292367	642048	1177814	WLINR	-0.20524	0.12681		0.99548

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STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 17-DEC-2004 16:52
End Cal Date : 18-DEC-2004 02:43
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
Cal Date : 18-Dec-2004 11:17 quayler

	Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	17 1,1-Dichloroethene	0.31477	0.30356	0.29156	0.27547	0.27906	0.28236	AVRG		0.29113		5.27952
	18 Freon-113	0.16186	0.19073	0.19117	0.18541	0.16072	0.17253	AVRG		0.17707		7.88444
	19 Iodomethane	0.47606	0.47868	0.47090	0.45105	0.47743	0.47590	AVRG		0.47167		2.21378
	20 Carbon Disulfide	1.05036	1.08346	1.03029	0.99820	1.02558	1.04599	AVRG		1.03898		2.74795
	21 Methylene Chloride	55416	88761	193533	360602	768712	1568153	WLINR	-0.05372	0.33087		0.99888
	22 Acetonitrile	0.04304	0.03907	0.03423	0.02822	0.03258	0.03337	AVRG		0.03509		14.87558
	23 Acrylonitrile	0.11340	0.11094	0.11269	0.10463	0.11772	0.11338	AVRG		0.11213		3.83357
	24 Methyl tert-butyl ether	0.83001	0.84199	0.85148	0.80882	0.89886	0.87932	AVRG		0.85175		3.85490
	25 trans-1,2-Dichloroethene	0.33817	0.34452	0.33279	0.31907	0.34246	0.34559	AVRG		0.33710		2.96852
	26 Hexane	0.07573	0.08474	0.08223	0.08153	0.07040	0.07736	AVRG		0.07866		6.64295
	27 Vinyl acetate	0.46789	0.41576	0.43440	0.43537	0.52889	0.56646	AVRG		0.47480		12.65358
	28 1,1-Dichloroethane	0.56737	0.55433	0.54958	0.52186	0.56574	0.57385	AVRG		0.55545		3.36829
	29 tert-Butyl Alcohol	0.01813	0.02191	0.02166	0.01659	0.01864	0.01795	AVRG		0.01915		11.26522
	30 2-Butanone	0.18124	0.15736	0.16628	0.17115	0.19847	0.17927	AVRG		0.17563		8.08377
M	31 1,2-Dichloroethene (total)	0.34325	0.34481	0.33919	0.32758	0.35020	0.35421	AVRG		0.34321		2.71136
	32 cis-1,2-dichloroethene	0.34834	0.34510	0.34560	0.33608	0.35794	0.36283	AVRG		0.34931		2.75965
	33 2,2-Dichloropropane	0.38215	0.37114	0.36604	0.35217	0.36824	0.36206	AVRG		0.36696		2.70721

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INITIAL CALIBRATION DATA

tart Cal Date : 17-DEC-2004 16:52
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uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
lethod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
al Date : 18-Dec-2004 11:17 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
34 Bromochloromethane	0.17198	0.17811	0.17247	0.16724	0.17740	0.17992	AVRG		0.17452		2.73651	
35 Chloroform	0.53751	0.53007	0.52354	0.50097	0.53888	0.54158	AVRG		0.52876		2.86145	
36 Tetrahydrofuran	13171	20414	47566	92576	199177	386607	WLINR	-0.04239	0.08348		0.99904	
37 1,1,1-Trichloroethane	0.45700	0.43365	0.41706	0.40399	0.41122	0.42017	AVRG		0.42385		4.48710	
38 1,1-Dichloropropene	0.43816	0.42669	0.42431	0.41426	0.43390	0.44532	AVRG		0.43044		2.55829	
39 Carbon Tetrachloride	0.31239	0.32927	0.33358	0.32813	0.34140	0.35410	AVRG		0.33315		4.19855	
40 1,2-Dichloroethane	0.40074	0.39345	0.40156	0.38134	0.41420	0.41322	AVRG		0.40075		3.09083	
41 Benzene	1.43190	1.32071	1.29054	1.24437	1.36920	1.39878	AVRG		1.34258		5.23254	
42 Trichloroethene	0.37610	0.35520	0.36981	0.35385	0.38079	0.37225	AVRG		0.36800		3.01229	
43 1,2-Dichloropropane	0.29379	0.29426	0.30396	0.29042	0.32413	0.33551	AVRG		0.30701		6.05420	
44 1,4-Dioxane	0.00224	0.00220	0.00263	0.00234	0.00269	0.00256	AVRG		0.00244		8.57827	<-
45 Dibromomethane	0.18117	0.18128	0.18634	0.17778	0.19305	0.19028	AVRG		0.18498		3.20037	
46 Bromodichloromethane	0.37615	0.37376	0.37035	0.36675	0.40317	0.40998	AVRG		0.38336		4.79650	
47 2-Chloroethyl vinyl ether	0.15564	0.15482	0.16739	0.16289	0.19588	0.19896	AVRG		0.17259		11.47704	
48 cis-1,3-Dichloropropene	0.45685	0.46842	0.48305	0.47554	0.53790	0.55234	AVRG		0.49568		7.97252	
49 4-Methyl-2-pentanone	0.25024	0.25074	0.24225	0.23930	0.28911	0.26694	AVRG		0.25643		7.28202	
50 Toluene	1.94672	1.86592	1.93832	1.86159	2.02710	2.10894	AVRG		1.95810		4.89030	

eport Date : 18-Dec-2004 11:22

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 17-DEC-2004 16:52
nd Cal Date : 18-DEC-2004 02:43
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
al Date : 18-Dec-2004 11:17 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
51 trans-1,3-Dichloropropene	0.57228	0.56256	0.60644	0.60283	0.68687	0.69506	AVRG		0.62101		9.15347
52 Ethyl Methacrylate	0.49469	0.47804	0.50785	0.50617	0.56265	0.57226	AVRG		0.52028		7.33881
53 1,1,2-Trichloroethane	0.37603	0.36706	0.38218	0.36382	0.39726	0.40035	AVRG		0.38112		3.98707
54 1,3-Dichloropropane	0.66583	0.66685	0.67692	0.66111	0.73198	0.73577	AVRG		0.68974		5.01476
55 Tetrachloroethene	0.41105	0.39429	0.41478	0.39353	0.41169	0.42195	AVRG		0.40788		2.81785
56 2-Hexanone	0.35495	0.30237	0.30360	0.32320	0.37582	0.33135	AVRG		0.33188		8.74206
57 Dibromochloromethane	0.39810	0.38425	0.40085	0.38916	0.43228	0.43806	AVRG		0.40711		5.55407
58 1,2-Dibromoethane	0.37619	0.36723	0.38992	0.37356	0.41072	0.39986	AVRG		0.38625		4.36556
59 Chlorobenzene	1.20841	1.19498	1.21038	1.16379	1.28753	1.30484	AVRG		1.22832		4.51171
60 1,1,1,2-Tetrachloroethane	0.37644	0.36777	0.39275	0.37717	0.40967	0.41844	AVRG		0.39037		5.18069
61 Ethylbenzene	0.62039	0.60937	0.63219	0.60879	0.67074	0.69215	AVRG		0.63894		5.42883
62 m + p-Xylene	0.77025	0.74852	0.79934	0.75935	0.83464	0.86481	AVRG		0.79615		5.75578
M 63 Xylenes (total)	0.75693	0.73883	0.77958	0.74791	0.81954	0.84485	AVRG		0.78127		5.43539
64 Xylene-o	0.73029	0.71945	0.74006	0.72504	0.78934	0.80494	AVRG		0.75152		4.83288
65 Styrene	1.20159	1.22694	1.26226	1.23891	1.38994	1.43400	AVRG		1.29227		7.41147
66 Bromoform	0.25012	0.24950	0.26610	0.26057	0.28675	0.28870	AVRG		0.26696		6.47528
67 Isopropylbenzene	1.68566	1.70821	1.73369	1.68761	1.78530	1.85949	AVRG		1.74333		3.89138

eport Date : 18-Dec-2004 11:22

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 17-DEC-2004 16:52
nd Cal Date : 18-DEC-2004 02:43
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
lethod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
al Date : 18-Dec-2004 11:17 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
68 1,1,2,2-Tetrachloroethane	0.86842	0.86430	0.87028	0.85444	0.91119	0.91107	AVRG		0.87995		2.81469
69 1,4-Dichloro-2-butene	0.23723	0.23616	0.24816	0.24633	0.26981	0.26717	AVRG		0.25081		5.79213
70 1,2,3-Trichloropropane	0.28931	0.28056	0.29753	0.29401	0.30351	0.29035	AVRG		0.29254		2.67504
71 Bromobenzene	1.00223	1.01120	0.99790	0.97025	1.06880	1.06396	AVRG		1.01906		3.84214
72 n-Propylbenzene	0.97674	0.99804	1.02809	1.02454	1.08655	1.10698	AVRG		1.03682		4.86788
73 2-Chlorotoluene	0.87074	0.89436	0.91589	0.88654	0.96254	0.97268	AVRG		0.91713		4.56272
74 1,3,5-Trimethylbenzene	2.87271	2.94443	3.02068	2.95512	3.19128	3.27290	AVRG		3.04285		5.12877
75 4-Chlorotoluene	0.89875	0.90684	0.92943	0.92244	0.99198	1.01567	AVRG		0.94419		5.08871
76 tert-Butylbenzene	2.53462	2.56406	2.57421	2.54055	2.67923	2.73791	AVRG		2.60510		3.20738
77 1,2,4-Trimethylbenzene	2.97755	3.05556	3.08915	3.02538	3.26177	3.33979	AVRG		3.12487		4.58436
78 sec-Butylbenzene	3.51744	3.62401	3.67725	3.62527	3.79168	3.92494	AVRG		3.69343		3.90390
79 4-Isopropyltoluene	2.96877	3.08184	3.07924	3.02198	3.22232	3.34696	AVRG		3.12018		4.47722
80 1,3-Dichlorobenzene	1.93229	1.84433	1.84472	1.78459	1.94472	1.96083	AVRG		1.88525		3.74399
81 1,4-Dichlorobenzene	1.93514	1.93167	1.90322	1.84513	2.00382	2.01964	AVRG		1.93977		3.32985
82 n-Butylbenzene	2.68231	2.73332	2.74281	2.65674	2.81297	2.95336	AVRG		2.76358		3.89124
83 1,2-Dichlorobenzene	1.80516	1.78495	1.79995	1.72476	1.86272	1.86614	AVRG		1.80728		2.91793
84 1,2-Dibromo-3-chloropropane	0.18960	0.18400	0.20460	0.20413	0.21898	0.20008	AVRG		0.20023		6.16786

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STL North Canton

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ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
al Date : 18-Dec-2004 11:17 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
85 1,2,4-Trichlorobenzene	1.37715	1.28551	1.28747	1.24276	1.36364	1.34972	AVRG		1.31771		4.04953	
86 Hexachlorobutadiene	0.53137	0.53950	0.52243	0.49773	0.51050	0.53208	AVRG		0.52227		2.98739	
87 Naphthalene	3.61837	3.55873	3.35830	3.17699	3.49206	3.16315	AVRG		3.39460		5.72357	
88 1,2,3-Trichlorobenzene	1.20993	1.25099	1.21087	1.16251	1.25082	1.21062	AVRG		1.21596		2.70019	
89 Ethyl Ether	0.22953	0.21011	0.22076	0.22784	0.22898	0.21523	AVRG		0.22208		3.64772	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.16551	0.15300	0.16154	0.16507	0.16566	0.15667	AVRG		0.16124		3.29614	
92 Isopropyl Ether	0.26190	0.25406	0.26739	0.27683	0.28632	0.27421	AVRG		0.27012		4.24440	
93 2-Chloro-1,3-butadiene	0.38035	0.35644	0.38290	0.39305	0.40474	0.38432	AVRG		0.38363		4.17912	
94 Propionitrile	0.03596	0.03442	0.03177	0.03339	0.03562	0.03394	AVRG		0.03419		4.48636	
95 Ethyl Acetate	0.19770	0.20940	0.18980	0.19051	0.20833	0.20078	AVRG		0.19942		4.23047	
96 Methacrylonitrile	0.14702	0.15600	0.12522	0.13711	0.14589	0.14035	AVRG		0.14193		7.35120	
97 Isobutanol	0.00650	0.00699	0.00640	0.00810	0.00903	0.00788	AVRG		0.00748		13.77170	<-
98 Cyclohexane	0.53709	0.56214	0.54755	0.52384	0.47730	0.51823	AVRG		0.52769		5.56559	
99 n-Butanol	0.00820	0.00874	0.00724	0.00736	0.00757	0.00677	AVRG		0.00765		9.29394	<-
100 Methyl Methacrylate	0.18657	0.16893	0.16249	0.16941	0.18775	0.17525	AVRG		0.17507		5.83116	
101 2-Nitropropane	0.04493	0.03306	0.04192	0.03475	0.04183	0.03805	AVRG		0.03909		11.77466	

eport Date : 18-Dec-2004 11:22

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 17-DEC-2004 16:52
End Cal Date : 18-DEC-2004 02:43
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
Cal Date : 18-Dec-2004 11:17 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
102 Chloropicrin	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	21570	43994	86174	175131	366356	654664	WLINR	-0.52677	0.02600		0.99564	
104 Pentachloroethane	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
M 137 Total Crotononitrile	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
138 Paraldehyde	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	*****	*****	*****	*****	*****	*****	AVRG		1.39400		3.53835	
141 1,3,5-Trichlorobenzene	1.40665	1.36904	1.37368	1.32219	1.43285	1.45959	AVRG		0.24667		10.08518	
143 Methyl Acetate	0.29369	0.25002	0.23584	0.22426	0.24542	0.23081	AVRG		0.50646		4.74757	
144 Methylcyclohexane	0.49785	0.51904	0.53198	0.51617	0.46294	0.51076	AVRG		0.000e+000		0.000e+000	<-
145 Dimethoxymethane	*****	*****	*****	*****	*****	*****	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	347160	676460	1274693	2534093	5441705	*****	WLINR	-0.09376	2.02567		0.99653	

Report Date : 18-Dec-2004 11:22

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 17-DEC-2004 16:52
End Cal Date : 18-DEC-2004 02:43
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
Cal Date : 18-Dec-2004 11:17 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 4 Dibromofluoromethane	0.29279	0.28569	0.28016	0.26319	0.30150	0.30027	AVRG		0.28727		5.00827
$ 5 1,2-Dichloroethane-d4	0.34282	0.33685	0.31441	0.32202	0.36196	0.35639	AVRG		0.33907		5.50459
$ 6 Toluene-d8	1.62815	1.51522	1.58466	1.50420	1.72312	1.74381	AVRG		1.61653		6.28397
$ 7 Bromofluorobenzene	0.57017	0.52593	0.54562	0.51681	0.58436	0.58455	AVRG		0.55457		5.32205

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78163.D
Lab Smp Id: 200NG-A9IC
Inj Date : 18-DEC-2004 00:50
Operator : 1904 Inst ID: a3ux7.i
Smp Info : 200NG-A9IC
Misc Info : U41218A-IC,N8260UX7-3,3-IX.SUB,1904,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
Meth Date : 18-Dec-2004 11:13 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 00:50 Cal File: UX78163.D
Als bottle: 22 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

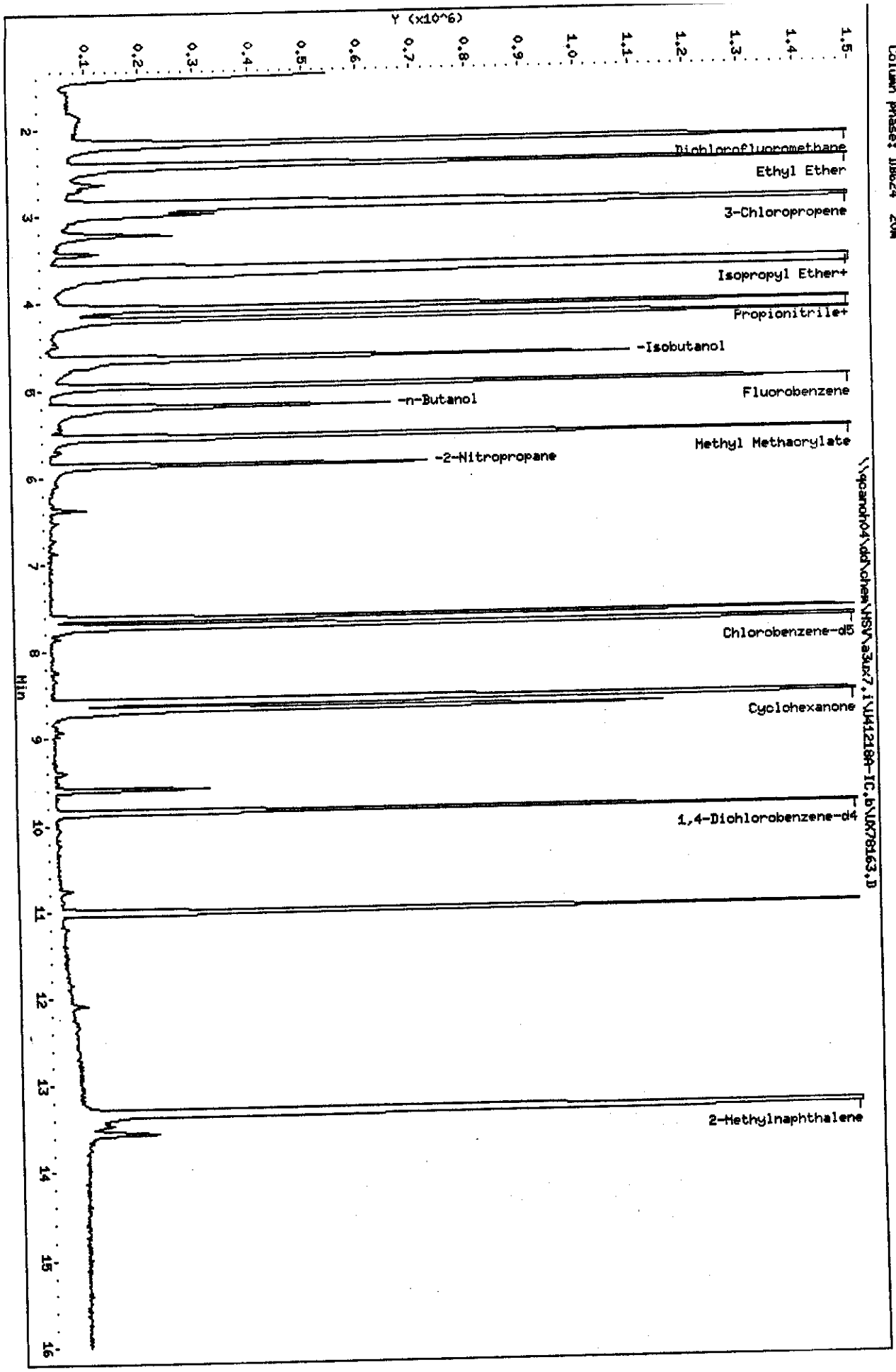
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.961	4.961	(1.000)	1773848	50.0000	
* 2 Chlorobenzene-d5	117	7.623	7.623	(1.000)	1241889	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	652685	50.0000	
14 Dichlorofluoromethane	67	2.157	2.157	(0.435)	2496015	200.000	200.00
89 Ethyl Ether	59	2.417	2.417	(0.487)	1527167	200.000	200.00
91 3-Chloropropene	76	2.890	2.890	(0.583)	1111624	200.000	200.00
92 Isopropyl Ether	87	3.600	3.600	(0.726)	9728064	1000.00	1000.0(A)
93 2-Chloro-1,3-butadiene	53	3.624	3.624	(0.731)	2726928	200.000	200.00
94 Propionitrile	54	4.062	4.062	(0.819)	481685	400.000	400.00(A)
95 Ethyl Acetate	43	4.062	4.062	(0.819)	2849229	400.000	400.00(A)
96 Methacrylonitrile	41	4.180	4.180	(0.843)	995864	200.000	200.00
97 Isobutanol	41	4.642	4.642	(0.609)	782943	4000.00	4000.0(A)
99 n-Butanol	56	5.186	5.186	(0.680)	672775	4000.00	4000.0(A)
100 Methyl Methacrylate	41	5.541	5.541	(1.117)	1243443	200.000	200.00
101 2-Nitropropane	41	5.860	5.860	(1.181)	539981	400.000	400.00(A)
103 Cyclohexanone	55	8.665	8.665	(0.879)	654664	2000.00	2000.0(A)
146 2-Methylnaphthalene	142	13.315	13.315	(1.350)	8308692	400.000	400.00

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78163.D
Report Date: 18-Dec-2004 11:14

QC Flag Legend

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


Data File: \\qcanch04\dd\chem\HSV\a3ux7.i\U412180-IC.b\UX78163.D
Date : 18-DEC-2004 00:50
Client ID:
Sample Info: 200NG-A91C
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Dichlorofluoromethane
Ethyl Ether
3-Chloropropene
Isopropyl Ether+
Propionitrile+
-Isobutanol
Fluorobenzene
-n-Butanol
Methyl Methacrylate
-2-Nitropropane
\\qcanch04\dd\chem\HSV\a3ux7.i\U412180-IC.b\UX78163.D
Chlorobenzene-d5
Cyclohexanone
1,4-Dichlorobenzene-d4
2-Methylnaphthalene
Min

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78164.D
Lab Smp Id: 100NG-A9IC
Inj Date : 18-DEC-2004 01:12
Operator : 1904 Inst ID: a3ux7.i
Smp Info : 100NG-A9IC
Misc Info : U41218A-IC,N8260UX7-3,3-IX.SUB,1904,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
Meth Date : 18-Dec-2004 11:14 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 01:12 Cal File: UX78164.D
Als bottle: 23 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

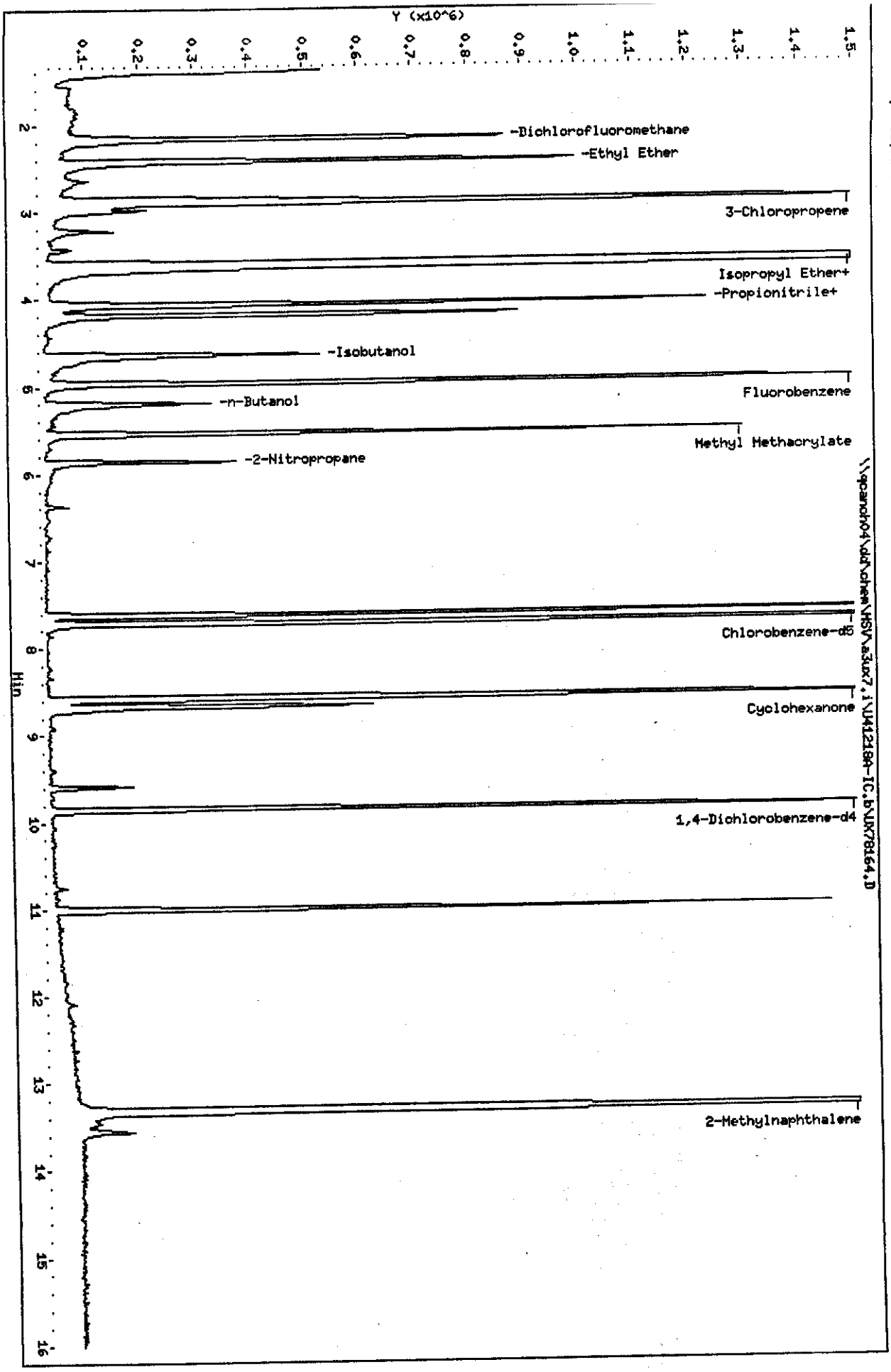
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.962	4.962	(1.000)	1738792	50.0000	
* 2 Chlorobenzene-d5	117	7.625	7.625	(1.000)	1206072	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.849	9.849	(1.000)	641530	50.0000	
14 Dichlorofluoromethane	67	2.158	2.158	(0.435)	1282187	100.000	102.35
89 Ethyl Ether	59	2.418	2.418	(0.487)	796302	100.000	103.09
91 3-Chloropropene	76	2.892	2.892	(0.583)	576086	100.000	102.79
92 Isopropyl Ether	87	3.601	3.601	(0.726)	4978566	500.000	510.81(A)
93 2-Chloro-1,3-butadiene	53	3.625	3.625	(0.731)	1407511	100.000	102.59
94 Propionitrile	54	4.063	4.063	(0.819)	247721	200.000	204.81(A)
95 Ethyl Acetate	43	4.063	4.063	(0.819)	1448994	200.000	203.69(A)
96 Methacrylonitrile	41	4.181	4.181	(0.843)	507335	100.000	101.93
97 Isobutanol	41	4.643	4.643	(0.609)	435672	2000.00	2136.0(A)
99 n-Butanol	56	5.187	5.187	(0.680)	365044	2000.00	2110.9(A)
100 Methyl Methacrylate	41	5.542	5.542	(1.117)	652912	100.000	103.44
101 2-Nitropropane	41	5.862	5.862	(1.181)	290967	200.000	209.47(A)
103 Cyclohexanone	55	8.666	8.666	(0.880)	366356	1000.00	1064.8(A)
146 2-Methylnaphthalene	142	13.316	13.316	(1.352)	5441705	200.000	228.52

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78164.D
Report Date: 18-Dec-2004 11:14

QC Flag Legend

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


Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\U412180-IC.b\UX78164.D
Date : 18-DEC-2004 01:12
Client ID:
Sample Info: 100NG-A9IC
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Dichlorofluoromethane
-Ethyl Ether
3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Isobutanol
Fluorobenzene
-n-Butanol
Methyl Methacrylate
-2-Nitropropane
\\qcandh04\dd\chem\HSV\a3ux7.i\U412180-IC.b\UX78164.D
Chlorobenzene-d5
Cyclohexanone
1,4-Dichlorobenzene-d4
2-Methylnaphthalene
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78165.D
Report Date: 18-Dec-2004 11:17

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78165.D
Lab Smp Id: 50NG-A9IC
Inj Date : 18-DEC-2004 01:35
Operator : 1904 Inst ID: a3ux7.i
Smp Info : 50NG-A9IC
Misc Info : U41218A-IC,N8260UX7-3,3-IX.SUB,1904,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
Meth Date : 18-Dec-2004 11:17 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 24 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

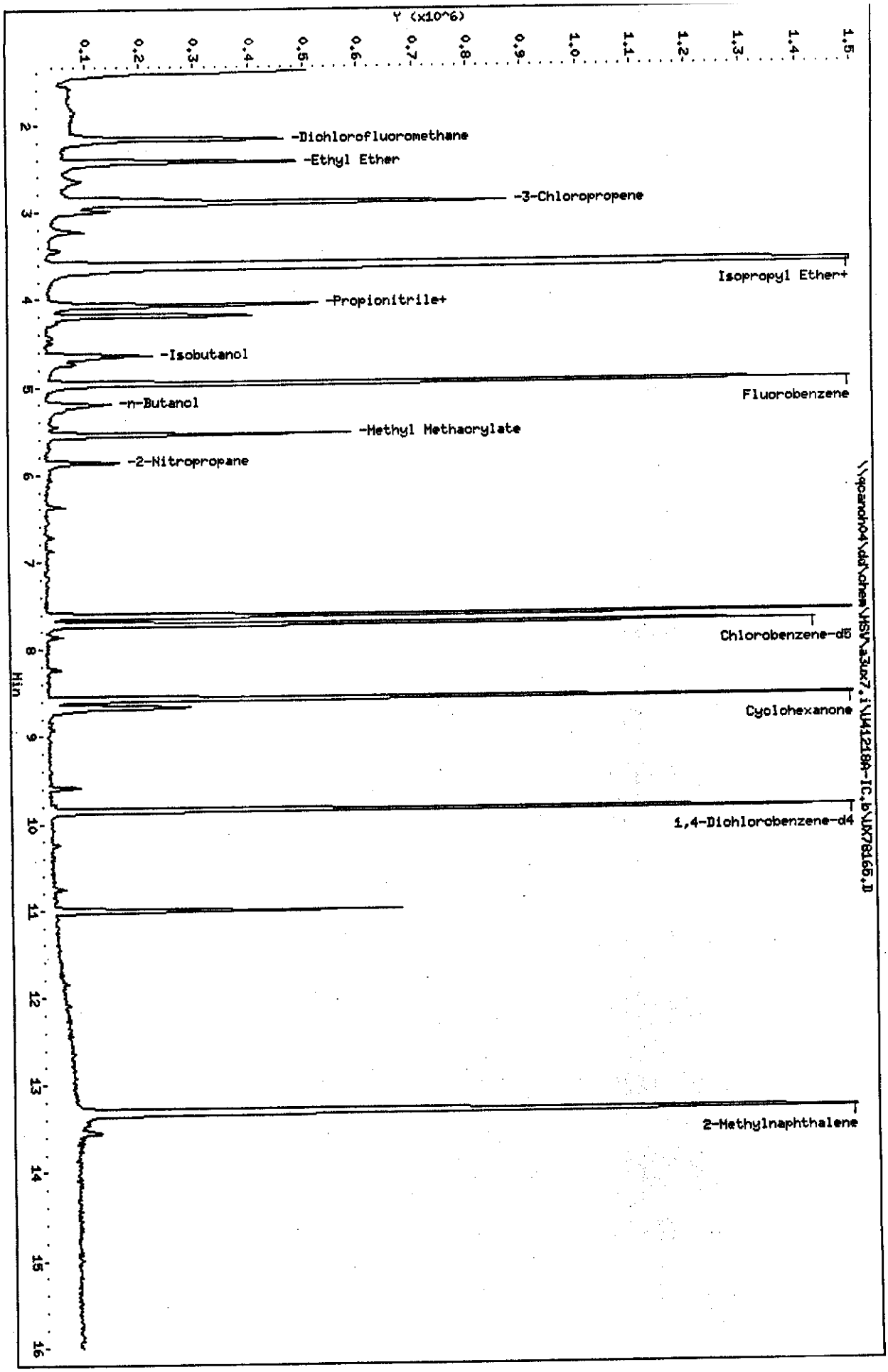
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.962	4.962	(1.000)	1690909	50.0000	
* 2 Chlorobenzene-d5	117	7.625	7.625	(1.000)	1189377	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.849	9.849	(1.000)	621387	50.0000	
14 Dichlorofluoromethane	67	2.170	2.170	(0.437)	635911	50.0000	50.559
89 Ethyl Ether	59	2.430	2.430	(0.490)	385262	50.0000	51.298
91 3-Chloropropene	76	2.892	2.892	(0.583)	279122	50.0000	51.188
92 Isopropyl Ether	87	3.602	3.602	(0.726)	2340495	250.000	256.21(A)
93 2-Chloro-1,3-butadiene	53	3.625	3.625	(0.731)	664615	50.0000	51.227
94 Propionitrile	54	4.063	4.063	(0.819)	112926	100.000	97.680
95 Ethyl Acetate	43	4.063	4.063	(0.819)	644279	100.000	95.532
96 Methacrylonitrile	41	4.193	4.193	(0.845)	231835	50.0000	48.300
97 Isobutanol	41	4.643	4.643	(0.609)	192769	1000.00	1082.7(A)
99 n-Butanol	56	5.199	5.199	(0.682)	175002	1000.00	962.22(A)
100 Methyl Methacrylate	41	5.542	5.542	(1.117)	286460	50.0000	48.385
101 2-Nitropropane	41	5.862	5.862	(1.181)	117507	100.000	88.891
103 Cyclohexanone	55	8.666	8.666	(0.880)	175131	500.000	465.40(A)
146 2-Methylnaphthalene	142	13.316	13.316	(1.352)	2534093	100.000	90.784

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78165.D
Report Date: 18-Dec-2004 11:17

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U412189-IC.b\UX78165.D
Date : 18-DEC-2004 01:35
Client ID:
Sample Info: 50NC-A9IC
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Isobutanol
Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
Cyclohexanone
1,4-Dichlorobenzene-d4
2-Methylnaphthalene
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78166.D
Report Date: 18-Dec-2004 11:15

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78166.D
Lab Smp Id: 25NG-A9IC
Inj Date : 18-DEC-2004 01:57
Operator : 1904 Inst ID: a3ux7.i
Smp Info : 25NG-A9IC
Misc Info : U41218A-IC,N8260UX7-3,3-IX.SUB,1904,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
Meth Date : 18-Dec-2004 11:15 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 01:57 Cal File: UX78166.D
Als bottle: 25 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

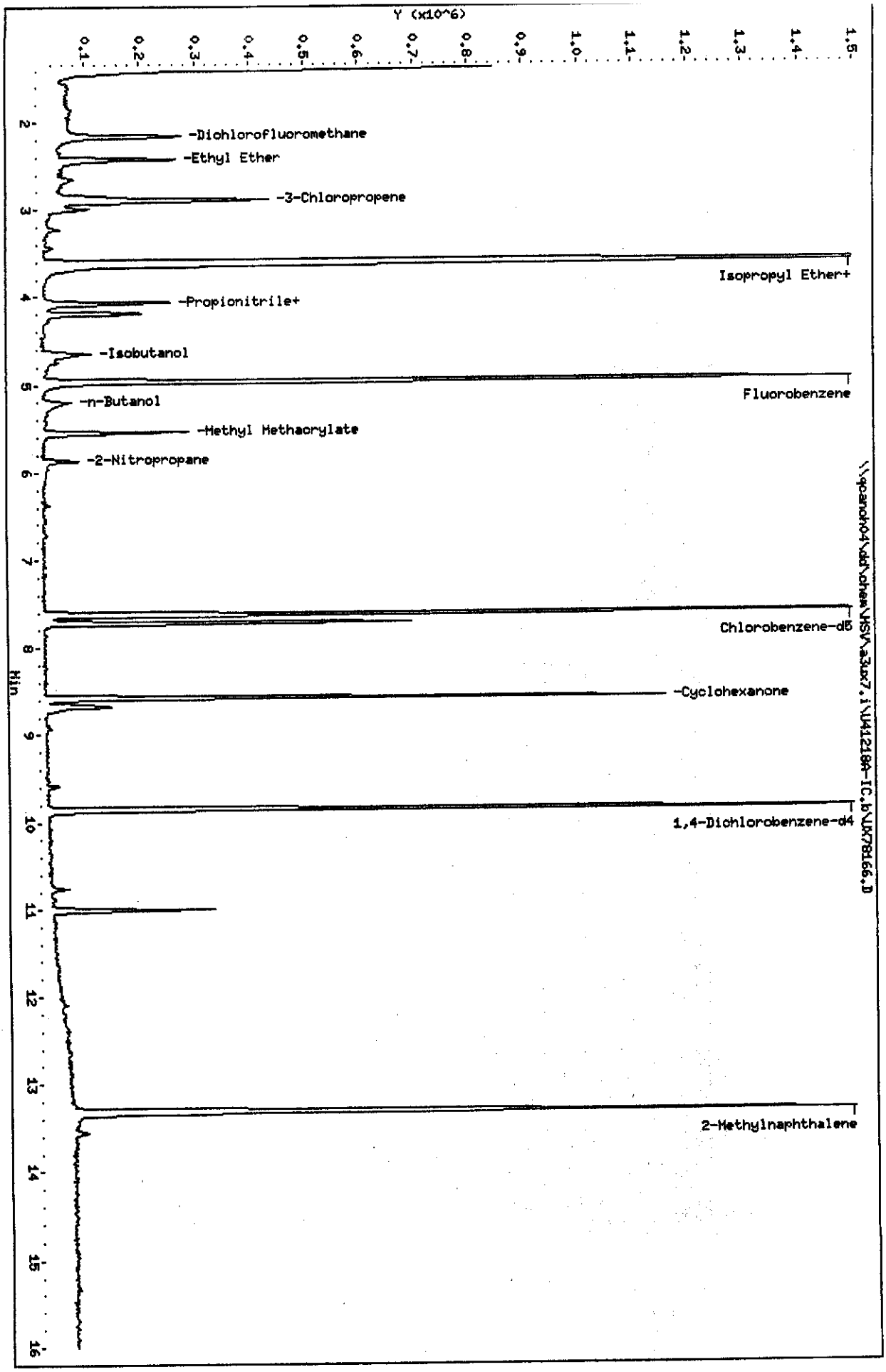
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.961	4.961	(1.000)	1666146	50.0000	
* 2 Chlorobenzene-d5	117	7.624	7.624	(1.000)	1169708	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.848	9.848	(1.000)	616226	50.0000	
14 Dichlorofluoromethane	67	2.157	2.157	(0.435)	317266	25.0000	25.935
89 Ethyl Ether	59	2.417	2.417	(0.487)	183911	25.0000	24.899
91 3-Chloropropene	76	2.891	2.891	(0.583)	134577	25.0000	25.039
92 Isopropyl Ether	87	3.601	3.601	(0.726)	1113775	125.000	121.11
93 2-Chloro-1,3-butadiene	53	3.624	3.624	(0.731)	318980	25.0000	24.504
94 Propionitrile	54	4.062	4.062	(0.819)	52941	50.0000	47.034
95 Ethyl Acetate	43	4.074	4.074	(0.821)	316231	50.0000	47.536
96 Methacrylonitrile	41	4.192	4.192	(0.845)	104320	25.0000	22.825
97 Isobutanol	41	4.642	4.642	(0.609)	74880	500.000	411.89(A)
99 n-Butanol	56	5.198	5.198	(0.682)	84690	500.000	503.29(A)
100 Methyl Methacrylate	41	5.541	5.541	(1.117)	135366	25.0000	23.191
101 2-Nitropropane	41	5.861	5.861	(1.181)	69839	50.0000	51.620
103 Cyclohexanone	55	8.677	8.677	(0.881)	86174	250.000	257.07(A)
146 2-Methylnaphthalene	142	13.315	13.315	(1.352)	1274693	50.0000	53.678

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.D\UX78166.D
Report Date: 18-Dec-2004 11:15

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U412184-IC.b\UX78166.D
Date : 18-DEC-2004 01:57
Client ID:
Sample Info: 25NG-A9IC
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Isobutanol
Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
2-Methylnaphthalene
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78167.D
Report Date: 18-Dec-2004 11:16

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78167.D
Lab Smp Id: 10NG-A9IC
Inj Date : 18-DEC-2004 02:20
Operator : 1904 Inst ID: a3ux7.i
Smp Info : 10NG-A9IC
Misc Info : U41218A-IC,N8260UX7-3,3-IX.SUB,1904,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
Meth Date : 18-Dec-2004 11:15 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:20 Cal File: UX78167.D
Als bottle: 26 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

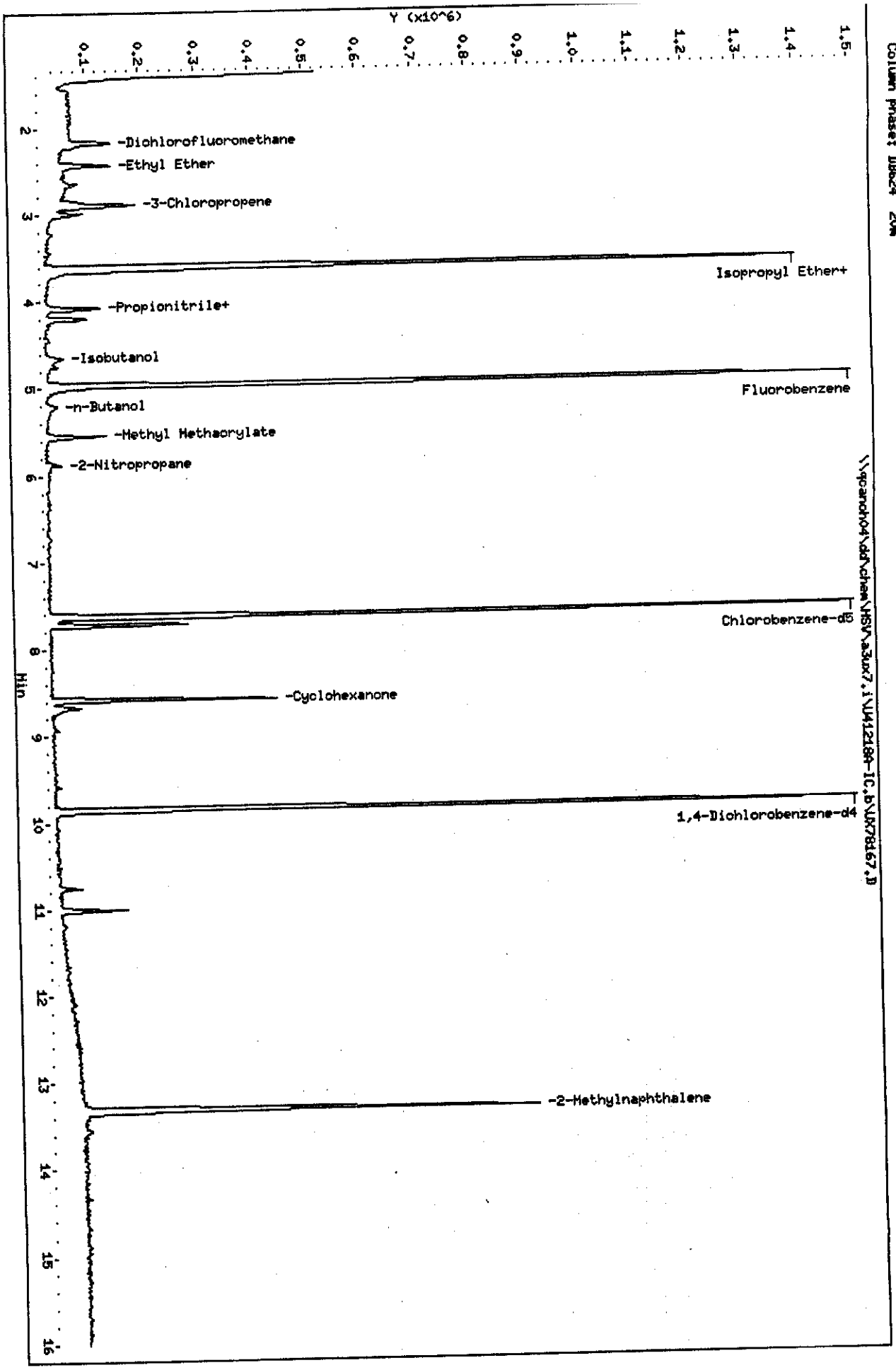
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.964	4.964	(1.000)	1694602	50.0000	
* 2 Chlorobenzene-d5	117	7.614	7.614	(1.000)	1189109	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.851	9.851	(1.000)	615090	50.0000	
14 Dichlorofluoromethane	67	2.159	2.159	(0.435)	118512	10.0000	9.640
89 Ethyl Ether	59	2.431	2.431	(0.490)	71212	10.0000	9.604
91 3-Chloropropene	76	2.905	2.905	(0.585)	51856	10.0000	9.610
92 Isopropyl Ether	87	3.603	3.603	(0.726)	430534	50.0000	46.962
93 2-Chloro-1,3-butadiene	53	3.626	3.626	(0.731)	120806	10.0000	9.328
94 Propionitrile	54	4.064	4.064	(0.819)	23333	20.0000	20.285
95 Ethyl Acetate	43	4.076	4.076	(0.821)	141943	20.0000	20.725
96 Methacrylonitrile	41	4.194	4.194	(0.845)	52870	10.0000	10.996
97 Isobutanol	41	4.644	4.644	(0.610)	33248	200.000	184.54
99 n-Butanol	56	5.200	5.200	(0.683)	41586	200.000	230.67(A)
100 Methyl Methacrylate	41	5.543	5.543	(1.117)	57253	10.0000	9.731
101 2-Nitropropane	41	5.875	5.875	(1.184)	22408	20.0000	17.078
103 Cyclohexanone	55	8.679	8.679	(0.881)	43994	100.000	121.89
146 2-Methylnaphthalene	142	13.318	13.318	(1.352)	676460	20.0000	25.786

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78167.D
Report Date: 18-Dec-2004 11:16

QC Flag Legend

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


Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\U412180-IC.b\UX78167.D
Date : 18-DEC-2004 02:20
Client ID:
Sample Info: 10NG-A91C
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Isobutanol
Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
\\qcandh04\dd\chem\HSV\a3ux7.i\U412180-IC.b\UX78167.D
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
-2-Methylnaphthalene
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78168.D
Report Date: 18-Dec-2004 11:16

STL North Canton

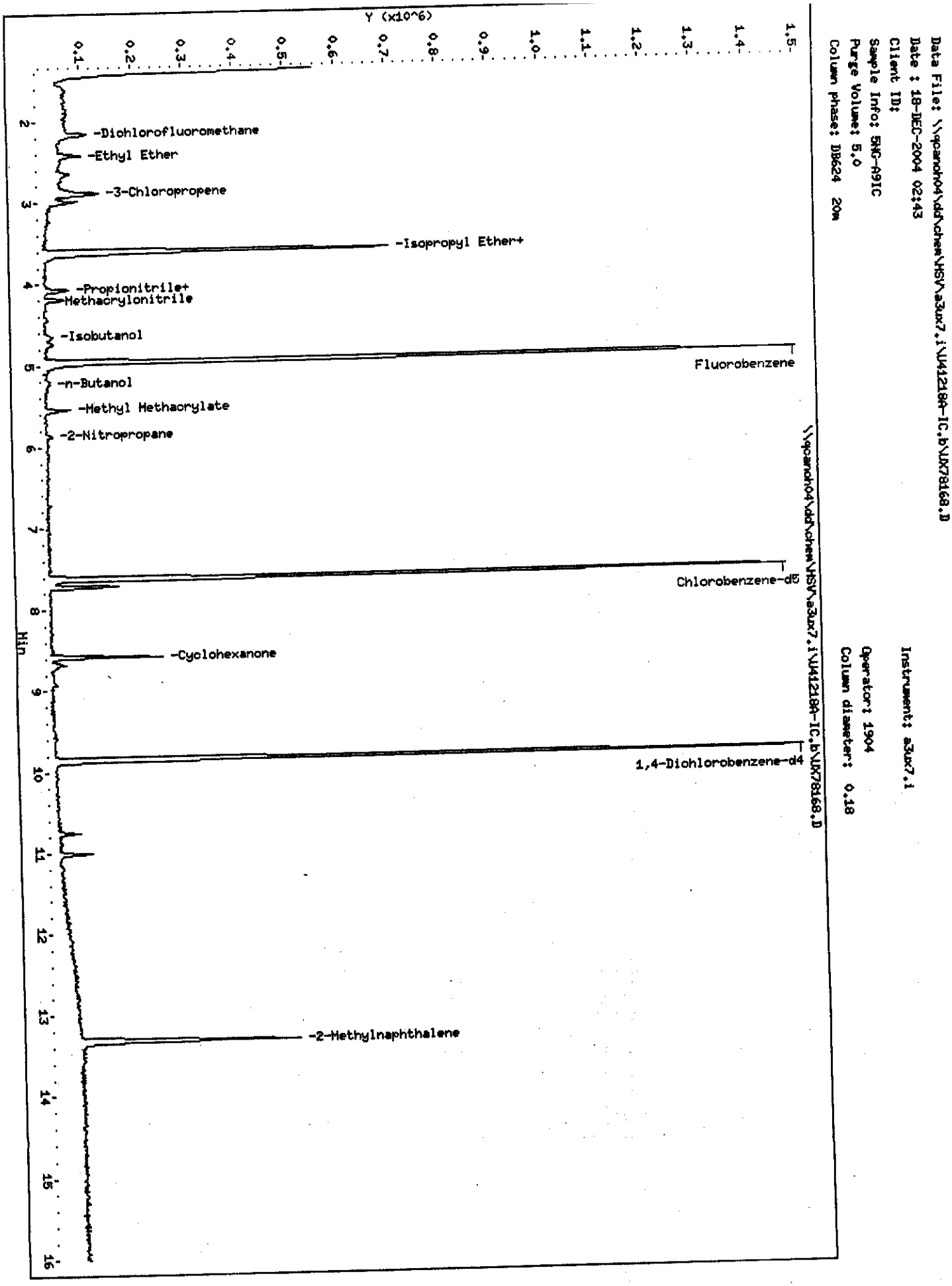
VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\UX78168.D
Lab Smp Id: 5NG-A9IC
Inj Date : 18-DEC-2004 02:43
Operator : 1904 Inst ID: a3ux7.i
Smp Info : 5NG-A9IC
Misc Info : U41218A-IC,N8260UX7-3,3-IX.SUB,1904,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\N8260UX7-3.m
Meth Date : 18-Dec-2004 11:16 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 27 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.962	4.962	(1.000)	1627424	50.0000	
* 2 Chlorobenzene-d5	117	7.624	7.624	(1.000)	1128093	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.849	9.849	(1.000)	597013	50.0000	
14 Dichlorofluoromethane	67	2.157	2.157	(0.435)	65822	5.00000	5.450
89 Ethyl Ether	59	2.430	2.430	(0.490)	37354	5.00000	5.195
91 3-Chloropropene	76	2.891	2.891	(0.583)	26935	5.00000	5.157
92 Isopropyl Ether	87	3.601	3.601	(0.726)	213110	25.0000	24.360
93 2-Chloro-1,3-butadiene	53	3.625	3.625	(0.731)	61899	5.00000	4.982
94 Propionitrile	54	4.074	4.074	(0.821)	11705	10.0000	10.471
95 Ethyl Acetate	43	4.074	4.074	(0.821)	64349	10.0000	9.826
96 Methacrylonitrile	41	4.193	4.193	(0.845)	23927	5.00000	5.144
97 Isobutanol	41	4.654	4.654	(0.610)	14671	100.000	88.336
99 n-Butanol	56	5.210	5.210	(0.683)	18491	100.000	106.39
100 Methyl Methacrylate	41	5.542	5.542	(1.117)	30363	5.00000	5.294
101 2-Nitropropane	41	5.873	5.873	(1.184)	14623	10.0000	11.244
103 Cyclohexanone	55	8.677	8.677	(0.881)	21570	50.0000	58.847
146 2-Methylnaphthalene	142	13.316	13.316	(1.352)	347160	10.0000	12.710


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U412186-IC.b\UX78168.D
Date : 18-DEC-2004 02:43
Client ID:
Sample Info: 5NG-A91C
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
-Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
-2-Methylnaphthalene
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78150.D
Report Date: 18-Dec-2004 11:11

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78150.D
Lab Smp Id: ICV
Inj Date : 17-DEC-2004 19:09
Operator : 1904 Inst ID: a3ux7.i
Smp Info : ICV
Misc Info : U41217A-IC,N8260UX7-3,1-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
Meth Date : 18-Dec-2004 11:08 quayler Quant Type: ISTD
Cal Date : 17-DEC-2004 18:46 Cal File: UX78149.D
Als bottle: 7 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.962	4.963	(1.000)	1058985	50.0000	
* 2 Chlorobenzene-d5	117	7.625	7.625	(1.000)	716811	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.849	9.849	(1.000)	339667	50.0000	
$ 4 Dibromofluoromethane	113	4.394	4.395	(0.886)	285569	46.9358	9.387
$ 5 1,2-Dichloroethane-d4	65	4.678	4.679	(0.943)	322780	44.9461	8.989
$ 6 Toluene-d8	98	6.311	6.311	(0.828)	1085618	46.8446	9.369
$ 7 Bromofluorobenzene	95	8.725	8.725	(1.144)	366531	46.1018	9.220
8 Dichlorodifluoromethane	85	1.448	1.449	(0.292)	168676	39.4092	7.882
9 Chloromethane	50	1.578	1.579	(0.318)	304060	44.6383	8.928
10 Vinyl Chloride	62	1.673	1.673	(0.337)	298922	46.2697	9.254
11 Bromomethane	94	1.933	1.934	(0.390)	150852	42.1098	8.422
12 Chloroethane	64	2.016	2.017	(0.406)	190040	45.9969	9.199
13 Trichlorofluoromethane	101	2.217	2.218	(0.447)	309624	48.6332	9.727
15 Acrolein	56	2.525	2.525	(0.509)	508982	597.500	119.50
16 Acetone	43	2.643	2.644	(0.533)	105566	29.0441	5.809
17 1,1-Dichloroethene	96	2.608	2.620	(0.526)	293980	47.6773	9.535
18 Freon-113	151	2.631	2.632	(0.530)	191428	51.0433	10.209
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78150.D
Report Date: 18-Dec-2004 11:11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.797	2.798	(0.564)	1035689	47.0655	9.413
	21 Methylene Chloride	84	2.986	2.987	(0.602)	348219	47.0045	9.401
	22 Acetonitrile	41	2.856	2.857	(0.576)	355693	478.651	95.730
	23 Acrylonitrile	53	3.176	3.176	(0.640)	1126344	474.288	94.858
	24 Methyl tert-butyl ether	73	3.223	3.224	(0.650)	850386	47.1395	9.428
	25 trans-1,2-Dichloroethene	96	3.211	3.212	(0.647)	336832	47.1775	9.436
	26 Hexane	86	3.436	3.437	(0.692)	78920	47.3684	9.474
	27 Vinyl acetate	43	3.436	3.579	(0.692)	262706	26.1242	5.225
	28 1,1-Dichloroethane	63	3.542	3.543	(0.714)	565732	48.0887	9.618
	29 tert-Butyl Alcohol	59	3.211	3.082	(0.647)	16065	39.6183	7.924
	30 2-Butanone	43	4.028	4.016	(0.812)	121356	32.6249	6.525
M	31 1,2-Dichloroethene (total)	96				683605	94.0491	18.810
	32 cis-1,2-dichloroethene	96	4.016	4.016	(0.809)	346773	46.8716	9.374
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.264	4.264	(0.859)	519360	46.3758	9.275
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.442	4.442	(0.895)	415823	46.3210	9.264
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.584	4.584	(0.924)	337166	47.7847	9.557
	40 1,2-Dichloroethane	62	4.738	4.738	(0.955)	400416	47.1754	9.435
	41 Benzene	78	4.738	4.738	(0.955)	1324387	46.5751	9.315
	42 Trichloroethene	130	5.270	5.271	(1.062)	364998	46.8299	9.366
	43 1,2-Dichloropropane	63	5.459	5.460	(1.100)	303870	46.7318	9.346
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.684	5.685	(1.145)	380114	46.8154	9.363
	47 2-Chloroethyl vinyl ether	63	5.933	5.933	(1.196)	169610	46.3985	9.280
	48 cis-1,3-Dichloropropene	75	6.063	6.063	(1.222)	485877	46.2810	9.256
	49 4-Methyl-2-pentanone	43	6.205	6.205	(1.250)	225962	41.6053	8.321
	50 Toluene	91	6.370	6.371	(0.836)	1299368	46.2874	9.257
	51 trans-1,3-Dichloropropene	75	6.548	6.549	(0.859)	407639	45.7872	9.157
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.714	6.714	(0.881)	250472	45.8425	9.168
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.867	6.868	(0.901)	266851	45.6352	9.127
	56 2-Hexanone	43	6.938	6.939	(0.910)	152953	32.1470	6.429
	57 Dibromochloromethane	129	7.080	7.081	(0.929)	272969	46.7694	9.354
	58 1,2-Dibromoethane	107	7.187	7.188	(0.943)	255669	46.1720	9.234
	59 Chlorobenzene	112	7.648	7.649	(1.003)	808990	45.9405	9.188
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.743	7.744	(1.016)	423766	46.2629	9.252
	62 m + p-Xylene	106	7.850	7.850	(1.029)	1043971	91.4659	18.293
M	63 Xylenes (total)	106				1535663	137.103	27.421
	64 Xylene-o	106	8.228	8.228	(1.079)	491692	45.6371	9.127
	65 Styrene	104	8.240	8.241	(1.081)	818774	44.1952	8.839
	66 Bromoform	173	8.418	8.417	(1.104)	171802	44.8904	8.978

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78150.D
Report Date: 18-Dec-2004 11:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
67 Isopropylbenzene	105	8.583	8.584	(1.126)	1200950	48.0520	9.610
68 1,1,2,2-Tetrachloroethane	83	8.855	8.856	(0.899)	277650	46.4468	9.289
69 1,4-Dichloro-2-butene	53	8.678	8.903	(0.881)	5360	3.14583	0.6292
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.790	9.791	(0.994)	591548	46.1889	9.238
81 1,4-Dichlorobenzene	146	9.873	9.874	(1.002)	615080	46.6765	9.335
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.240	10.240	(1.040)	561818	45.7601	9.152
84 1,2-Dibromo-3-chloropropane	157	11.009	11.010	(1.118)	62262	45.7728	9.154
85 1,2,4-Trichlorobenzene	180	11.849	11.850	(1.203)	390867	43.6643	8.733
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.489	4.490	(0.905)	470861	42.1302	8.426
143 Methyl Acetate	43	2.903	2.904	(0.585)	226593	43.3715	8.674
144 Methylcyclohexane	83	5.448	5.448	(1.098)	460403	42.9217	8.584
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78150.D
Report Date: 18-Dec-2004 11:11

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78150.D
Lab Smp Id: ICV
Inj Date : 17-DEC-2004 19:09
Operator : 1904 Inst ID: a3ux7.i
Smp Info : ICV
Misc Info : U41217A-IC,N8260UX7-3,1-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
Meth Date : 18-Dec-2004 11:08 quayler Quant Type: ISTD
Cal Date : 17-DEC-2004 18:46 Cal File: UX78149.D
Als bottle: 7 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78150.D
Report Date: 18-Dec-2004 11:11

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk
Sublist File: 1-8260.SUB

Client SDG: SDGa00755
Fraction: VOA

Operator: 1904
SampleType: METHSPIKE
Quant Type: ISTD

Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\N8260UX7-3.m
Misc Info: U41217A-IC,N8260UX7-3,1-8260.SUB,1904,3

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	9.535	95.35	45-155
	42 Trichloroethene	10.000	9.366	93.66	45-155
	59 Chlorobenzene	10.000	9.188	91.88	45-155
	50 Toluene	10.000	9.257	92.57	45-155
	41 Benzene	10.000	9.315	93.15	45-155
	16 Acetone	10.000	5.809	58.09	45-155
	20 Carbon Disulfide	10.000	9.413	94.13	45-155
	9 Chloromethane	10.000	8.928	89.28	45-155
	11 Bromomethane	10.000	8.422	84.22	45-155
	10 Vinyl Chloride	10.000	9.254	92.54	45-155
	12 Chloroethane	10.000	9.199	91.99	45-155
	21 Methylene Chloride	10.000	9.401	94.01	45-155
	28 1,1-Dichloroethane	10.000	9.618	96.18	45-155
M	31 1,2-Dichloroethene	20.000	18.810	94.05	45-155
	35 Chloroform	10.000	9.275	92.75	45-155
	40 1,2-Dichloroethane	10.000	9.435	94.35	45-155
	30 2-Butanone	10.000	6.525	65.25	45-155
	37 1,1,1-Trichloroeth	10.000	9.264	92.64	45-155
	39 Carbon Tetrachlori	10.000	9.557	95.57	45-155
	46 Bromodichlorometha	10.000	9.363	93.63	45-155
	43 1,2-Dichloropropan	10.000	9.346	93.46	45-155
	48 cis-1,3-Dichloropr	10.000	9.256	92.56	45-155
	57 Dibromochlorometha	10.000	9.354	93.54	45-155
	53 1,1,2-Trichloroeth	10.000	9.168	91.68	45-155
	51 trans-1,3-Dichloro	10.000	9.157	91.57	45-155
	66 Bromoform	10.000	8.978	89.78	45-155
	49 4-Methyl-2-pentano	10.000	8.321	83.21	45-155
	56 2-Hexanone	10.000	6.429	64.29	45-155
	55 Tetrachloroethene	10.000	9.127	91.27	45-155
	68 1,1,2,2-Tetrachlor	10.000	9.289	92.89	45-155
	61 Ethylbenzene	10.000	9.252	92.52	45-155
	65 Styrene	10.000	8.839	88.39	45-155
	62 m + p-Xylene	20.000	18.293	91.47	45-155

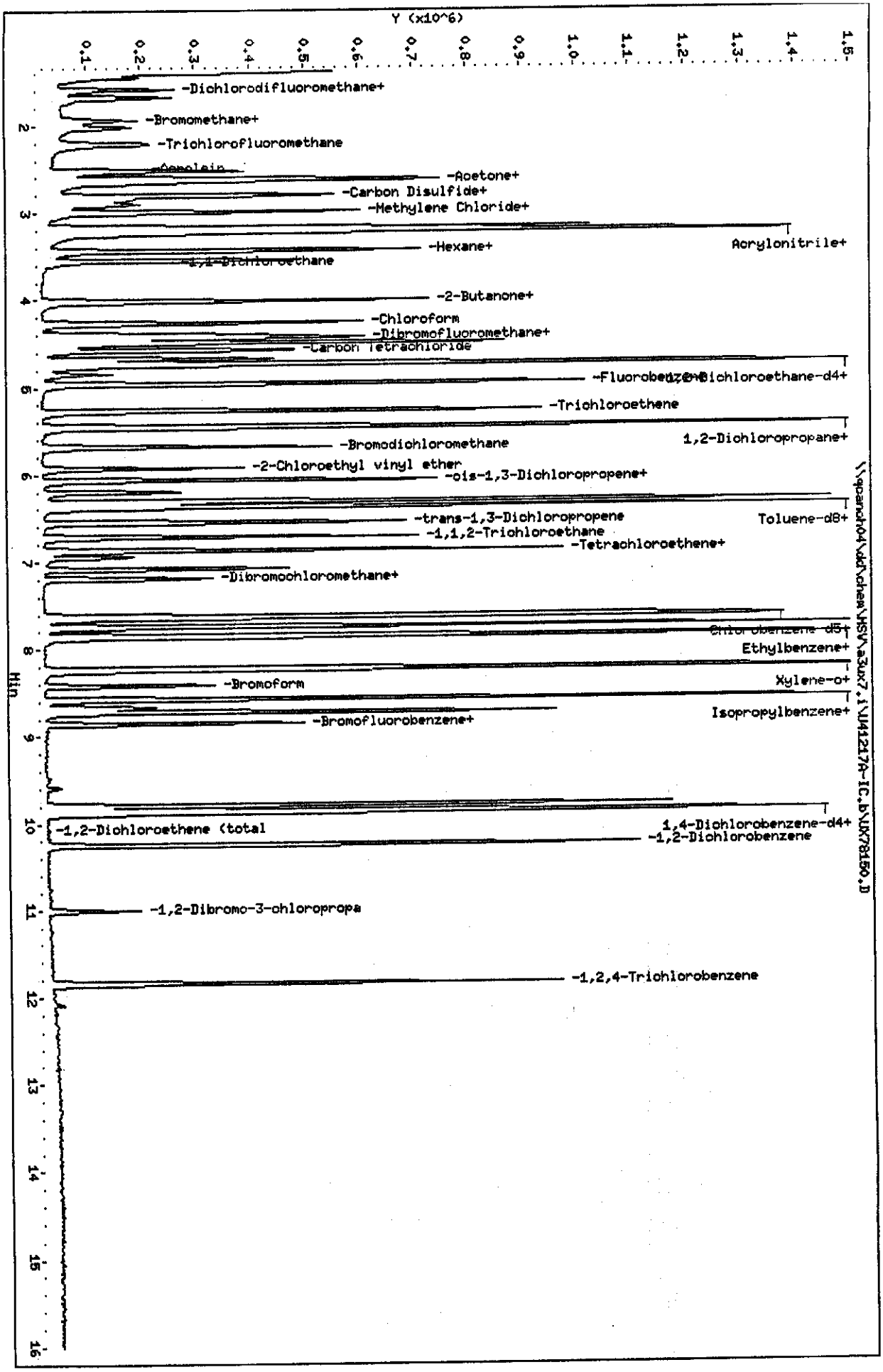
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\UX78150.D
Report Date: 18-Dec-2004 11:11

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
M 63 Xylenes (total)	30.000	27.421	91.40	45-155
64 Xylene-o	10.000	9.127	91.27	45-155
32 cis-1,2-dichloroet	10.000	9.374	93.74	45-155
25 trans-1,2-Dichloro	10.000	9.436	94.36	45-155
8 Dichlorodifluorome	10.000	7.882	78.82	45-155
13 Trichlorofluoromet	10.000	9.727	97.27	45-155
18 Freon-113	10.000	10.209	102.09	45-155
24 Methyl tert-butyl	10.000	9.428	94.28	45-155
58 1,2-Dibromoethane	10.000	9.234	92.34	45-155
67 Isopropylbenzene	10.000	9.610	96.10	45-155
80 1,3-Dichlorobenzen	10.000	9.238	92.38	45-155
81 1,4-Dichlorobenzen	10.000	9.335	93.35	45-155
83 1,2-Dichlorobenzen	10.000	9.152	91.52	45-155
84 1,2-Dibromo-3-chlo	10.000	9.154	91.54	45-155
85 1,2,4-Trichloroben	10.000	8.733	87.33	45-155
98 Cyclohexane	10.000	8.426	84.26	45-155
143 Methyl Acetate	10.000	8.674	86.74	45-155
144 Methylcyclohexane	10.000	8.584	85.84	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.387	93.87	73-122
$ 5 1,2-Dichloroethane	10.000	8.989	89.89	61-128
$ 6 Toluene-d8	10.000	9.369	93.69	76-110
$ 7 Bromofluorobenzene	10.000	9.220	92.20	74-116

Data File: \\qcanch04\dd\chem\HSV\a3ux7.i\U41217A-IC.b\UX78150.D
Date : 17-DEC-2004 19:09
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18



Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m
Start Cal Date: 17-DEC-2004 16:52
End Cal Date : 18-DEC-2004 02:43
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
18-DEC-2004 02:43	3-IX	UX78168.D
17-DEC-2004 18:46	1-8260	UX78149.D
Cal Level: 2 , Cal Amount: 10.000		
18-DEC-2004 02:20	3-IX	UX78167.D
17-DEC-2004 18:23	1-8260	UX78148.D
Cal Level: 3 , Cal Amount: 25.000		
18-DEC-2004 01:57	3-IX	UX78166.D
17-DEC-2004 18:00	1-8260	UX78147.D
Cal Level: 4 , Cal Amount: 50.000		
18-DEC-2004 01:35	3-IX	UX78165.D
17-DEC-2004 17:37	1-8260	UX78146.D
Cal Level: 5 , Cal Amount: 100.00		
18-DEC-2004 01:12	3-IX	UX78164.D
17-DEC-2004 17:15	1-8260	UX78145.D
Cal Level: 6 , Cal Amount: 200.00		
18-DEC-2004 00:50	3-IX	UX78163.D
17-DEC-2004 16:52	1-8260	UX78144.D

Continuing Calibration

30-DEC-2004 10:52	1-8260	UX78508.D
30-DEC-2004 11:15	3-IX	UX78509.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.D/UX78508.D
Report Date: 01/03/2005

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX78508.D
Analysis Type: WATER

Injection Date: 30-DEC-2004 10:52
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	47.1746	5.7	50.0
0 Bromodichloromethane	50.0000	51.3981	2.8	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	54.0944	8.2	50.0
0 Bromoform	50.0000	49.4424	1.1	50.0
0 Styrene	50.0000	47.2854	5.4	50.0
0 Xylene-o	50.0000	46.8842	6.2	50.0
0 Xylenes (total)	150.0000	143.0776	4.6	50.0
0 2-Hexanone	100.0000	89.6461	10.4	50.0
0 Chloromethane	50.0000	53.4005	6.8	50.0
0 Vinyl Chloride	50.0000	50.7092	1.4	20.0
0 Bromomethane	50.0000	54.8820	9.8	50.0
0 Chloroethane	50.0000	57.2921	14.6	50.0
0 1,1-Dichloroethane	50.0000	52.9137	5.8	50.0
0 Tetrachloroethene	50.0000	43.7221	12.6	50.0
0 Acetone	100.0000	100.3608	0.4	50.0
0 1,1-Dichloroethene	50.0000	45.9870	8.0	20.0
0 m + p-Xylene	100.0000	96.1934	3.8	50.0
0 Ethylbenzene	50.0000	46.4904	7.0	20.0
0 Carbon Disulfide	50.0000	51.7388	3.5	50.0
0 Methylene Chloride	50.0000	54.0983	8.2	50.0
0 1,2-Dichloropropane	50.0000	55.9465	11.9	20.0
0 1,1,2-Trichloroethane	50.0000	52.8287	5.7	50.0
0 Dibromochloromethane	50.0000	48.9985	2.0	50.0
0 trans-1,2-Dichloroethene	50.0000	49.0145	2.0	50.0
0 trans-1,3-Dichloropropene	50.0000	49.4515	1.1	50.0
0 cis-1,3-Dichloropropene	50.0000	48.2799	3.4	50.0
0 Chloroform	50.0000	50.0023	0.0	20.0
0 Toluene	50.0000	50.3970	0.8	20.0
0 2-Butanone	100.0000	99.5718	0.4	50.0
0 1,2-Dichloroethene (total)	100.0000	96.0003	4.0	50.0
0 cis-1,2-dichloroethene	50.0000	46.9858	6.0	50.0
0 4-Methyl-2-pentanone	100.0000	95.8297	4.2	50.0
0 1,2-Dichloroethane	50.0000	52.0303	4.1	50.0
0 Trichloroethene	50.0000	42.9782	14.0	50.0
0 1,1,1-Trichloroethane	50.0000	44.9339	10.1	50.0
0 Carbon Tetrachloride	50.0000	46.4196	7.2	50.0
0 Benzene	50.0000	50.8254	1.7	50.0
38 Dichlorodifluoromethane	50.0000	51.7955	3.6	50.0
39 Trichlorofluoromethane	50.0000	53.6880	7.4	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\041230A.D/UX78508.D
Report Date: 01/03/2005

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX78508.D
Analysis Type: WATER

Injection Date: 30-DEC-2004 10:52
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
40 Acrolein	500.0000	575.6707	15.1	50.0
41 Acrylonitrile	500.0000	608.2240	21.6	50.0
42 Vinyl acetate	50.0000	52.6316	5.3	50.0
43 2-Chloroethyl vinyl ether	100.0000	103.0065	3.0	50.0
47 Freon-113	50.0000	41.5284	16.9	50.0
48 1,3-Dichlorobenzene	50.0000	43.5241	13.0	50.0
49 1,4-Dichlorobenzene	50.0000	45.2897	9.4	50.0
50 1,2-Dichlorobenzene	50.0000	45.4590	9.1	50.0
51 Acetonitrile	500.0000	658.9721	31.8	50.0
52 Iodomethane	50.0000	44.8418	10.3	50.0
59 1,4-Dioxane	2500.0000	2328.2731	6.9	50.0
60 Dibromomethane	50.0000	51.5039	3.0	50.0
62 Ethyl Methacrylate	50.0000	45.7059	8.6	50.0
63 1,2-Dibromoethane	50.0000	49.4935	1.0	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	49.5018	1.0	50.0
65 1,2,3-Trichloropropane	50.0000	48.2579	3.5	50.0
66 1,4-Dichloro-2-butene	50.0000	39.7638	20.5	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	42.4845	15.0	50.0
82 Methyl tert-butyl ether	50.0000	46.2229	7.6	50.0
84 Tetrahydrofuran	50.0000	53.1140	6.2	50.0
98 2,2-Dichloropropane	50.0000	45.0171	10.0	50.0
99 1,1-Dichloropropene	50.0000	46.4205	7.2	50.0
100 1,3-Dichloropropane	50.0000	53.4538	6.9	50.0
102 Bromobenzene	50.0000	41.5821	16.8	50.0
103 2-Chlorotoluene	50.0000	42.4997	15.0	50.0
104 n-Propylbenzene	50.0000	40.9745	18.1	50.0
105 4-Chlorotoluene	50.0000	45.5656	8.9	50.0
106 1,3,5-Trimethylbenzene	50.0000	43.9099	12.2	50.0
107 tert-Butylbenzene	50.0000	38.8205	22.4	50.0
108 1,2,4-Trimethylbenzene	50.0000	45.0673	9.9	50.0
109 sec-Butylbenzene	50.0000	41.7168	16.6	50.0
110 4-Isopropyltoluene	50.0000	41.0937	17.8	50.0
111 n-Butylbenzene	50.0000	41.8992	16.2	50.0
112 1,2,4-Trichlorobenzene	50.0000	35.8404	28.3	50.0
113 Naphthalene	50.0000	34.1227	31.8	50.0
114 Hexachlorobutadiene	50.0000	37.2983	25.4	50.0
115 1,2,3-Trichlorobenzene	50.0000	38.3360	23.3	50.0
124 tert-Butyl Alcohol	1000.0000	872.6220	12.7	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\041230A.D\...
Report Date: 01/03/2005

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX78508.D
Analysis Type: WATER

Injection Date: 30-DEC-2004 10:52
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
125 Hexane	50.0000	39.3031	21.4	20.0	<-
127 Cyclohexane	50.0000	44.7449	10.5	50.0	
128 Isopropylbenzene	50.0000	42.9463	14.1	50.0	
130 Fluorobenzene	50.0000	50.0000	0.0	50.0	
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
133 Bromochloromethane	50.0000	47.7599	4.5	50.0	
141 1,3,5-Trichlorobenzene	50.0000	39.0803	21.8	50.0	
143 Methyl Acetate	100.0000	115.2450	15.2	50.0	
144 Methylcyclohexane	50.0000	41.7792	16.4	50.0	
22 Toluene-d8	50.0000	55.3683	10.7	50.0	
32 Bromofluorobenzene	50.0000	51.4510	2.9	50.0	
47 1,2-Dichloroethane-d4	50.0000	56.3745	12.7	50.0	
131 Dibromofluoromethane	50.0000	53.0015	6.0	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78508.D
Report Date: 03-Jan-2005 14:59

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX78508.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m

Injection Date: 30-DEC-2004 10:52
Init. Cal. Date(s): 17-DEC-2004 18-DEC-2004
Init. Cal. Times: 16:52 02:43
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	4 Dibromofluoromethane	0.28727	0.30451	0.010	6.0	50.0	
$	5 1,2-Dichloroethane-d4	0.33907	0.38230	0.010	12.7	50.0	
$	6 Toluene-d8	1.61653	1.79009	0.010	10.7	50.0	
$	7 Bromofluorobenzene	0.55457	0.57067	0.010	2.9	50.0	
	8 Dichlorodifluoromethane	0.20209	0.20934	0.010	3.6	50.0	
	9 Chloromethane	0.32161	0.34348	0.100	6.8	50.0	
	10 Vinyl Chloride	0.30503	0.30936	0.010	1.4	20.0	
	11 Bromomethane	0.16914	0.18566	0.010	9.8	50.0	
	12 Chloroethane	0.19507	0.22352	0.010	14.6	50.0	
	13 Trichlorofluoromethane	0.30060	0.32277	0.010	7.4	50.0	
	15 Acrolein	0.04022	0.04631	0.010	15.1	50.0	
	16 Acetone	100	100	0.010	-0.4	50.0	
	17 1,1-Dichloroethene	0.29113	0.26776	0.010	-8.0	20.0	
	18 Freon-113	0.17707	0.14707	0.010	-16.9	50.0	
	19 Iodomethane	0.47167	0.42301	0.010	-10.3	50.0	
	20 Carbon Disulfide	1.03898	1.07511	0.010	3.5	50.0	
	21 Methylene Chloride	50.00000	54.09826	0.010	-8.2	50.0	
	22 Acetonitrile	0.03509	0.04624	0.010	31.8	50.0	
	23 Acrylonitrile	0.11213	0.13640	0.010	21.6	50.0	
	24 Methyl tert-butyl ether	0.85175	0.78741	0.010	-7.6	50.0	
	25 trans-1,2-Dichloroethene	0.33710	0.33046	0.010	-2.0	50.0	
	26 Hexane	0.07866	0.06184	0.010	-21.4	20.0	<-
	27 Vinyl acetate	0.47480	0.49978	0.010	5.3	50.0	
	28 1,1-Dichloroethane	0.55545	0.58782	0.100	5.8	50.0	
	29 tert-Butyl Alcohol	0.01915	0.01671	0.010	-12.7	50.0	
	30 2-Butanone	0.17563	0.17488	0.010	-0.4	50.0	
M	31 1,2-Dichloroethene (total)	0.34321	0.32936	0.010	-4.0	50.0	
	32 cis-1,2-dichloroethene	0.34931	0.32826	0.010	-6.0	50.0	
	33 2,2-Dichloropropane	0.36696	0.33039	0.010	-10.0	50.0	
	34 Bromochloromethane	0.17452	0.16670	0.010	-4.5	50.0	
	35 Chloroform	0.52876	0.52878	0.010	0.0	20.0	
	36 Tetrahydrofuran	50.00000	53.11396	0.010	-6.2	50.0	
	37 1,1,1-Trichloroethane	0.42385	0.38090	0.010	-10.1	50.0	
	38 1,1-Dichloropropene	0.43044	0.39962	0.010	-7.2	50.0	
	39 Carbon Tetrachloride	0.33315	0.30929	0.010	-7.2	50.0	
	40 1,2-Dichloroethane	0.40075	0.41703	0.010	4.1	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78508.D
Report Date: 03-Jan-2005 14:59

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX78508.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m

Injection Date: 30-DEC-2004 10:52
Init. Cal. Date(s): 17-DEC-2004 18-DEC-2004
Init. Cal. Times: 16:52 02:43
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	1.34258	1.36475	0.010	1.7	50.0	
	42 Trichloroethene	0.36800	0.31632	0.010	-14.0	50.0	
	43 1,2-Dichloropropane	0.30701	0.34352	0.010	11.9	20.0	
	44 1,4-Dioxane	0.00244	0.00227	0.010	-6.9	50.0	<-
	45 Dibromomethane	0.18498	0.19055	0.010	3.0	50.0	
	46 Bromodichloromethane	0.38336	0.39408	0.010	2.8	50.0	
	47 2-Chloroethyl vinyl ether	0.17259	0.17778	0.010	3.0	50.0	
	48 cis-1,3-Dichloropropene	0.49568	0.47863	0.010	-3.4	50.0	
	49 4-Methyl-2-pentanone	0.25643	0.24573	0.010	-4.2	50.0	
	50 Toluene	1.95810	1.97365	0.010	0.8	20.0	
	51 trans-1,3-Dichloropropene	0.62101	0.61420	0.010	-1.1	50.0	
	52 Ethyl Methacrylate	0.52028	0.47559	0.010	-8.6	50.0	
	53 1,1,2-Trichloroethane	0.38112	0.40268	0.010	5.7	50.0	
	54 1,3-Dichloropropane	0.68974	0.73739	0.010	6.9	50.0	
	55 Tetrachloroethene	0.40788	0.35667	0.010	-12.6	50.0	
	56 2-Hexanone	0.33188	0.29752	0.010	-10.4	50.0	
	57 Dibromochloromethane	0.40711	0.39896	0.010	-2.0	50.0	
	58 1,2-Dibromoethane	0.38625	0.38233	0.010	-1.0	50.0	
	59 Chlorobenzene	1.22832	1.15891	0.300	-5.7	50.0	
	60 1,1,1,2-Tetrachloroethane	0.39037	0.38648	0.010	-1.0	50.0	
	61 Ethylbenzene	0.63894	0.59409	0.010	-7.0	20.0	
	62 m + p-Xylene	0.79615	0.76584	0.010	-3.8	50.0	
M	63 Xylenes (total)	0.78127	0.74546	0.010	-4.6	50.0	
	64 Xylene-o	0.75152	0.70469	0.010	-6.2	50.0	
	65 Styrene	1.29227	1.22211	0.010	-5.4	50.0	
	66 Bromoform	0.26696	0.26398	0.100	-1.1	50.0	
	67 Isopropylbenzene	1.74333	1.49739	0.010	-14.1	50.0	
	68 1,1,2,2-Tetrachloroethane	0.87995	0.95201	0.300	8.2	50.0	
	69 1,4-Dichloro-2-butene	0.25081	0.19946	0.010	-20.5	50.0	
	70 1,2,3-Trichloropropane	0.29254	0.28235	0.010	-3.5	50.0	
	71 Bromobenzene	1.01906	0.84749	0.010	-16.8	50.0	
	72 n-Propylbenzene	1.03682	0.84967	0.010	-18.1	50.0	
	73 2-Chlorotoluene	0.91713	0.77955	0.010	-15.0	50.0	
	74 1,3,5-Trimethylbenzene	3.04285	2.67223	0.010	-12.2	50.0	
	75 4-Chlorotoluene	0.94419	0.86045	0.010	-8.9	50.0	
	76 tert-Butylbenzene	2.60510	2.02262	0.010	-22.4	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78508.D
Report Date: 03-Jan-2005 14:59

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX78508.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Injection Date: 30-DEC-2004 10:52
Init. Cal. Date(s): 17-DEC-2004 18-DEC-2004
Init. Cal. Times: 16:52 02:43
Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	3.12487	2.81658	0.010	-9.9	50.0
78 sec-Butylbenzene	3.69343	3.08156	0.010	-16.6	50.0
79 4-Isopropyltoluene	3.12018	2.56440	0.010	-17.8	50.0
80 1,3-Dichlorobenzene	1.88525	1.64108	0.010	-13.0	50.0
81 1,4-Dichlorobenzene	1.93977	1.75703	0.010	-9.4	50.0
82 n-Butylbenzene	2.76358	2.31584	0.010	-16.2	50.0
83 1,2-Dichlorobenzene	1.80728	1.64314	0.010	-9.1	50.0
84 1,2-Dibromo-3-chloropropane	0.20023	0.17013	0.010	-15.0	50.0
85 1,2,4-Trichlorobenzene	1.31771	0.94454	0.010	-28.3	50.0
86 Hexachlorobutadiene	0.52227	0.38959	0.010	-25.4	50.0
87 Naphthalene	3.39460	2.31666	0.010	-31.8	50.0
88 1,2,3-Trichlorobenzene	1.21596	0.93230	0.010	-23.3	50.0
98 Cyclohexane	0.52769	0.47223	0.010	-10.5	50.0
143 Methyl Acetate	0.24667	0.28428	0.010	15.2	50.0
144 Methylcyclohexane	0.50646	0.42319	0.010	-16.4	50.0
141 1,3,5-Trichlorobenzene	1.39400	1.08956	0.010	-21.8	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78508.D
Report Date: 03-Jan-2005 14:59

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78508.D
Lab Smp Id: 50NG-CC
Inj Date : 30-DEC-2004 10:52
Operator : 1904 Inst ID: a3ux7.i
Smp Info : 50NG-CC
Misc Info : U41230A,N8260UX7-3,1-8260.SUB,1904,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m
Meth Date : 03-Jan-2005 14:59 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.961	4.961	(1.000)	1599736	50.0000	
* 2 Chlorobenzene-d5	117	7.623	7.623	(1.000)	1054161	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.848	9.848	(1.000)	547408	50.0000	
$ 4 Dibromofluoromethane	113	4.393	4.393	(0.886)	487140	50.0000	53.002
$ 5 1,2-Dichloroethane-d4	65	4.677	4.677	(0.943)	611584	50.0000	56.374
$ 6 Toluene-d8	98	6.310	6.310	(0.828)	1887041	50.0000	55.368
$ 7 Bromofluorobenzene	95	8.724	8.724	(1.144)	601574	50.0000	51.451
8 Dichlorodifluoromethane	85	1.447	1.447	(0.292)	334893	50.0000	51.796
9 Chloromethane	50	1.577	1.577	(0.318)	549485	50.0000	53.400
10 Vinyl Chloride	62	1.672	1.672	(0.337)	494887	50.0000	50.709
11 Bromomethane	94	1.944	1.944	(0.392)	297000	50.0000	54.882
12 Chloroethane	64	2.015	2.015	(0.406)	357577	50.0000	57.292
13 Trichlorofluoromethane	101	2.204	2.204	(0.444)	516342	50.0000	53.688
15 Acrolein	56	2.523	2.523	(0.509)	740793	500.000	575.67
16 Acetone	43	2.642	2.642	(0.533)	448815	100.000	100.36
17 1,1-Dichloroethene	96	2.618	2.618	(0.528)	428351	50.0000	45.987
18 Freon-113	151	2.642	2.642	(0.533)	235272	50.0000	41.528

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78508.D
Report Date: 03-Jan-2005 14:59

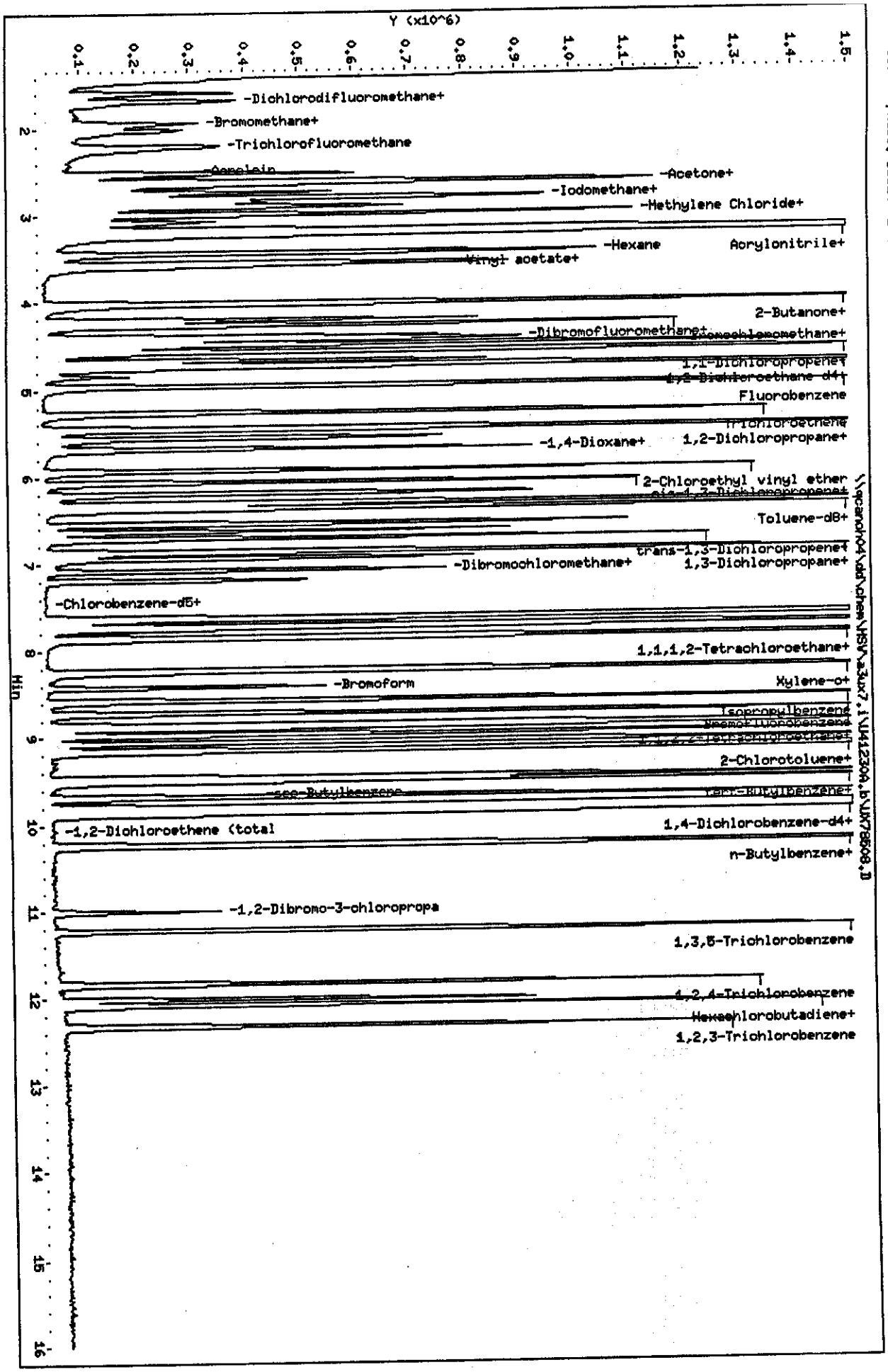
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.736	2.736	(0.552)	676706	50.0000	44.842
	20 Carbon Disulfide	76	2.796	2.796	(0.564)	1719895	50.0000	51.739
	21 Methylene Chloride	84	2.985	2.985	(0.602)	601126	50.0000	54.098
	22 Acetonitrile	41	2.855	2.855	(0.575)	739744	500.000	658.97
	23 Acrylonitrile	53	3.174	3.174	(0.640)	2181980	500.000	608.22
	24 Methyl tert-butyl ether	73	3.222	3.222	(0.649)	1259643	50.0000	46.223
	25 trans-1,2-Dichloroethene	96	3.222	3.222	(0.649)	528641	50.0000	49.014
	26 Hexane	86	3.446	3.446	(0.695)	98920	50.0000	39.303
	27 Vinyl acetate	43	3.577	3.577	(0.721)	799524	50.0000	52.632
	28 1,1-Dichloroethane	63	3.553	3.553	(0.716)	940360	50.0000	52.914
	29 tert-Butyl Alcohol	59	3.080	3.080	(0.621)	534527	1000.00	872.62
	30 2-Butanone	43	4.014	4.014	(0.809)	559509	100.000	99.572
M	31 1,2-Dichloroethene (total)	96				1053764	100.000	96.000
	32 cis-1,2-dichloroethene	96	4.014	4.014	(0.809)	525123	50.0000	46.986
	33 2,2-Dichloropropane	77	4.026	4.026	(0.812)	528543	50.0000	45.017
	34 Bromochloromethane	128	4.216	4.216	(0.850)	266678	50.0000	47.760
	35 Chloroform	83	4.263	4.263	(0.859)	845913	50.0000	50.002
	36 Tetrahydrofuran	42	4.263	4.263	(0.859)	147518	50.0000	53.114
	37 1,1,1-Trichloroethane	97	4.440	4.440	(0.895)	609344	50.0000	44.934
	38 1,1-Dichloropropene	75	4.571	4.571	(0.921)	639294	50.0000	46.420
	39 Carbon Tetrachloride	117	4.582	4.582	(0.924)	494783	50.0000	46.420
	40 1,2-Dichloroethane	62	4.736	4.736	(0.955)	667130	50.0000	52.030
	41 Benzene	78	4.736	4.736	(0.955)	2183233	50.0000	50.825
	42 Trichloroethene	130	5.269	5.269	(1.062)	506027	50.0000	42.978
	43 1,2-Dichloropropane	63	5.458	5.458	(1.100)	549549	50.0000	55.946
	44 1,4-Dioxane	88	5.576	5.576	(1.124)	181950	2500.00	2328.3(A)
	45 Dibromomethane	93	5.553	5.553	(1.119)	304826	50.0000	51.504
	46 Bromodichloromethane	83	5.683	5.683	(1.145)	630421	50.0000	51.398
	47 2-Chloroethyl vinyl ether	63	5.931	5.931	(1.196)	568814	100.000	103.01
	48 cis-1,3-Dichloropropene	75	6.073	6.073	(1.224)	765682	50.0000	48.280
	49 4-Methyl-2-pentanone	43	6.192	6.192	(1.248)	786222	100.000	95.830
	50 Toluene	91	6.369	6.369	(0.835)	2080541	50.0000	50.397
	51 trans-1,3-Dichloropropene	75	6.547	6.547	(0.859)	647461	50.0000	49.452
	52 Ethyl Methacrylate	69	6.629	6.629	(0.870)	501352	50.0000	45.706
	53 1,1,2-Trichloroethane	97	6.712	6.712	(0.880)	424486	50.0000	52.829
	54 1,3-Dichloropropane	76	6.866	6.866	(0.901)	777324	50.0000	53.454
	55 Tetrachloroethene	164	6.878	6.878	(0.902)	375987	50.0000	43.722
	56 2-Hexanone	43	6.937	6.937	(0.910)	627265	100.000	89.646
	57 Dibromochloromethane	129	7.079	7.079	(0.929)	420568	50.0000	48.998
	58 1,2-Dibromoethane	107	7.186	7.186	(0.943)	403042	50.0000	49.494
	59 Chlorobenzene	112	7.647	7.647	(1.003)	1221680	50.0000	47.174
	60 1,1,1,2-Tetrachloroethane	131	7.718	7.718	(1.012)	407415	50.0000	49.502
	61 Ethylbenzene	106	7.742	7.742	(1.016)	626266	50.0000	46.490
	62 m + p-Xylene	106	7.860	7.860	(1.031)	1614644	100.000	96.193
M	63 Xylenes (total)	106				2357499	150.000	143.08
	64 Xylene-o	106	8.227	8.227	(1.079)	742855	50.0000	46.884
	65 Styrene	104	8.239	8.239	(1.081)	1288303	50.0000	47.285

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78508.D
Report Date: 03-Jan-2005 14:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.416	8.416	(1.104)	278276	50.0000	49.442
67 Isopropylbenzene	105	8.582	8.582	(1.126)	1578488	50.0000	42.946
68 1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.899)	521137	50.0000	54.094
69 1,4-Dichloro-2-butene	53	8.901	8.901	(0.904)	109188	50.0000	39.764
70 1,2,3-Trichloropropane	110	8.901	8.901	(0.904)	154560	50.0000	48.258
71 Bromobenzene	156	8.878	8.878	(0.901)	463924	50.0000	41.582
72 n-Propylbenzene	120	8.972	8.972	(0.911)	465115	50.0000	40.974
73 2-Chlorotoluene	126	9.067	9.067	(0.921)	426733	50.0000	42.500
74 1,3,5-Trimethylbenzene	105	9.150	9.150	(0.929)	1462799	50.0000	43.910
75 4-Chlorotoluene	126	9.162	9.162	(0.930)	471016	50.0000	45.566
76 tert-Butylbenzene	119	9.469	9.469	(0.962)	1107201	50.0000	38.820
77 1,2,4-Trimethylbenzene	105	9.517	9.517	(0.966)	1541821	50.0000	45.067
78 sec-Butylbenzene	105	9.682	9.682	(0.983)	1686871	50.0000	41.717
79 4-Isopropyltoluene	119	9.824	9.824	(0.998)	1403774	50.0000	41.094
80 1,3-Dichlorobenzene	146	9.789	9.789	(0.994)	898338	50.0000	43.524
81 1,4-Dichlorobenzene	146	9.872	9.872	(1.002)	961812	50.0000	45.290
82 n-Butylbenzene	91	10.227	10.227	(1.038)	1267709	50.0000	41.899
83 1,2-Dichlorobenzene	146	10.238	10.238	(1.040)	899470	50.0000	45.459
84 1,2-Dibromo-3-chloropropane	157	11.008	11.008	(1.118)	93133	50.0000	42.484
85 1,2,4-Trichlorobenzene	180	11.848	11.848	(1.203)	517051	50.0000	35.840
86 Hexachlorobutadiene	225	12.025	12.025	(1.221)	213267	50.0000	37.298
87 Naphthalene	128	12.084	12.084	(1.227)	1268156	50.0000	34.123
88 1,2,3-Trichlorobenzene	180	12.333	12.333	(1.252)	510347	50.0000	38.336
98 Cyclohexane	56	4.500	4.500	(0.907)	755442	50.0000	44.745
143 Methyl Acetate	43	2.902	2.902	(0.585)	909541	100.000	115.24
144 Methylcyclohexane	83	5.446	5.446	(1.098)	676986	50.0000	41.779
141 1,3,5-Trichlorobenzene	180	11.232	11.232	(1.141)	596433	50.0000	39.080

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U412304.b\UX78508.D
Date : 30-DEC-2004 10:52
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Hexane
Acrylonitrile+
Vinyl acetate+
2-Butanone+
-Dibromofluoromethane+
Bromochloromethane+
1,1-Dichloropropene+
1,2-Dichloroethane-d4+
Fluorobenzene
Trichloroethene
-1,4-Dioxane+
1,2-Dichloropropane+
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene+
Toluene-d8+
trans-1,3-Dichloropropene+
-Dibromochloromethane+
1,3-Dichloropropane+
-Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
2-Chlorotoluene+
-sec-Butylbenzene
tert-Butylbenzene+
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene+
1,2,3-Trichlorobenzene
Min
2
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14
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16
\\qcanoh04\dd\chem\HSV\a3ux7.i\U412304.b\UX78508.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.D/UX78509.D
Report Date: 01/03/2005

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX78509.D
Analysis Type: WATER

Injection Date: 30-DEC-2004 11:15
Lab Sample ID: 50NG-A9CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
53 3-Chloropropene	50.0000	48.5956	2.8	50.0	
54 2-Chloro-1,3-butadiene	50.0000	55.3883	10.8	50.0	
55 Propionitrile	100.0000	125.1859	25.2	50.0	
56 Methacrylonitrile	50.0000	62.5097	25.0	50.0	
57 Isobutanol	1000.0000	1544.5976	54.5	50.0	<-
58 Methyl Methacrylate	50.0000	56.1789	12.4	50.0	
73 n-Butanol	1000.0000	963.5098	3.6	50.0	
74 Ethyl Acetate	100.0000	130.8703	30.9	50.0	
75 Cyclohexanone	500.0000	764.4258	52.9	50.0	<-
76 Ethyl Ether	50.0000	61.5077	23.0	50.0	
85 Dichlorofluoromethane	50.0000	60.0841	20.2	50.0	
86 2-Nitropropane	100.0000	134.4742	34.5	50.0	
126 Isopropyl Ether	250.0000	239.0260	4.4	50.0	
130 Fluorobenzene	50.0000	50.0000	0.0	50.0	
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
146 2-Methylnaphthalene	100.0000	57.1707	42.8	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78509.D
Report Date: 03-Jan-2005 14:59

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX78509.D
Analysis Type: WATER
Lab Sample ID: 50NG-A9CC
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m

Injection Date: 30-DEC-2004 11:15
Init. Cal. Date(s): 17-DEC-2004 18-DEC-2004
Init. Cal. Times: 16:52 02:43
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
14 Dichlorofluoromethane	0.37192	0.44693	0.010	20.2	50.0	
89 Ethyl Ether	0.22208	0.27319	0.010	23.0	50.0	
91 3-Chloropropene	0.16124	0.15671	0.010	-2.8	50.0	
92 Isopropyl Ether	0.27012	0.25826	0.010	-4.4	50.0	
93 2-Chloro-1,3-butadiene	0.38363	0.42498	0.010	10.8	50.0	
94 Propionitrile	0.03419	0.04280	0.010	25.2	50.0	
95 Ethyl Acetate	0.19942	0.26098	0.010	30.9	50.0	
96 Methacrylonitrile	0.14193	0.17744	0.010	25.0	50.0	
97 Isobutanol	0.00748	0.01156	0.010	54.5	50.0	<-
99 n-Butanol	0.00765	0.00737	0.010	-3.6	50.0	<-
100 Methyl Methacrylate	0.17507	0.19670	0.010	12.4	50.0	
101 2-Nitropropane	0.03909	0.05256	0.010	34.5	50.0	
103 Cyclohexanone	500	764	0.010	-52.9	50.0	<-
146 2-Methylnaphthalene	100	57.17070	0.010	42.8	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78509.D
Report Date: 03-Jan-2005 14:59

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78509.D
Lab Smp Id: 50NG-A9CC
Inj Date : 30-DEC-2004 11:15
Operator : 1904 Inst ID: a3ux7.i
Smp Info : 50NG-A9CC
Misc Info : U41230A,N8260UX7-3,3-IX.SUB,1904,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m
Meth Date : 03-Jan-2005 14:59 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.961	4.961	(1.000)	1528004	50.0000	
* 2 Chlorobenzene-d5	117	7.623	7.623	(1.000)	999363	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.848	9.848	(1.000)	435549	50.0000	
14 Dichlorofluoromethane	67	2.169	2.169	(0.437)	682912	50.0000	60.084
89 Ethyl Ether	59	2.417	2.417	(0.487)	417434	50.0000	61.508
91 3-Chloropropene	76	2.890	2.890	(0.583)	239458	50.0000	48.596
92 Isopropyl Ether	87	3.600	3.600	(0.726)	1973126	250.000	239.03(A)
93 2-Chloro-1,3-butadiene	53	3.624	3.624	(0.731)	649366	50.0000	55.388
94 Propionitrile	54	4.062	4.062	(0.819)	130782	100.000	125.18
95 Ethyl Acetate	43	4.062	4.062	(0.819)	797569	100.000	130.87
96 Methacrylonitrile	41	4.180	4.180	(0.843)	271132	50.0000	62.510
97 Isobutanol	41	4.642	4.642	(0.609)	231076	1000.00	1544.6(A)
99 n-Butanol	56	5.186	5.186	(0.680)	147241	1000.00	963.51(A)
100 Methyl Methacrylate	41	5.541	5.541	(1.117)	300559	50.0000	56.179
101 2-Nitropropane	41	5.860	5.860	(1.181)	160638	100.000	134.47
103 Cyclohexanone	55	8.665	8.665	(0.880)	179090	500.000	764.42(A)
146 2-Methylnaphthalene	142	13.315	13.315	(1.352)	1091530	100.000	57.171

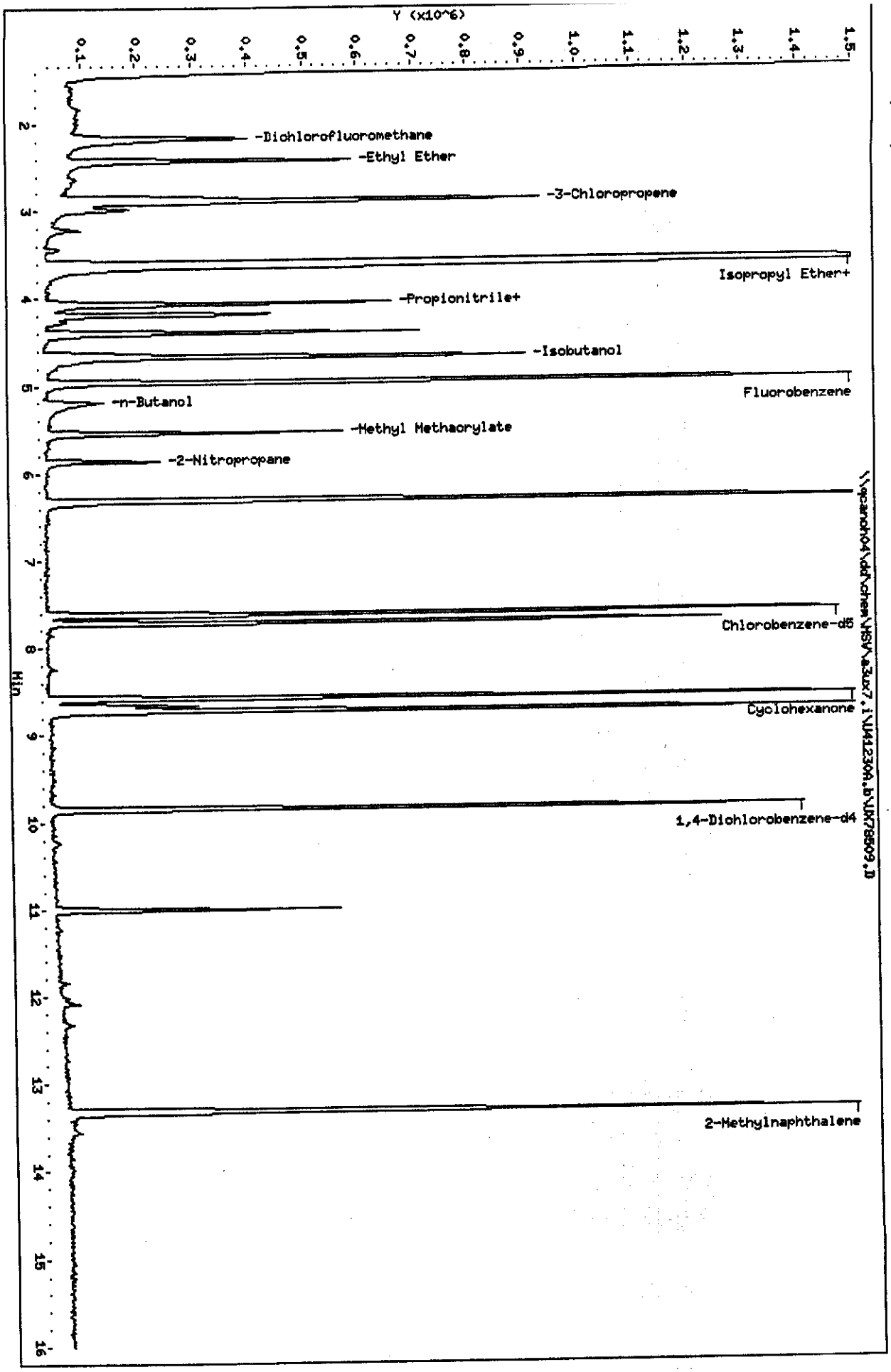
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78509.D
Report Date: 03-Jan-2005 14:59

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\UH1230A.b\UX78609.D
Date : 30-DEC-2004 11:15
Client ID:
Sample Info: 50NG-A90C
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18



Report Date: 04-Jan-2005 09:50

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m
Start Cal Date: 17-DEC-2004 16:52
End Cal Date : 18-DEC-2004 02:43
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
18-DEC-2004 02:43	3-IX	UX78168.D
17-DEC-2004 18:46	1-8260	UX78149.D
Cal Level: 2 , Cal Amount: 10.000		
18-DEC-2004 02:20	3-IX	UX78167.D
17-DEC-2004 18:23	1-8260	UX78148.D
Cal Level: 3 , Cal Amount: 25.000		
18-DEC-2004 01:57	3-IX	UX78166.D
17-DEC-2004 18:00	1-8260	UX78147.D
Cal Level: 4 , Cal Amount: 50.000		
18-DEC-2004 01:35	3-IX	UX78165.D
17-DEC-2004 17:37	1-8260	UX78146.D
Cal Level: 5 , Cal Amount: 100.00		
18-DEC-2004 01:12	3-IX	UX78164.D
17-DEC-2004 17:15	1-8260	UX78145.D
Cal Level: 6 , Cal Amount: 200.00		
18-DEC-2004 00:50	3-IX	UX78163.D
17-DEC-2004 16:52	1-8260	UX78144.D

Continuing Calibration

03-JAN-2005 09:13	1-8260	UX78537.D
03-JAN-2005 09:36	3-IX	UX78538.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b/UX78537.D
Report Date: 01/04/2005

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX78537.D
Analysis Type: WATER

Injection Date: 03-JAN-2005 09:13
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	47.5539	4.9	50.0
0 Bromodichloromethane	50.0000	49.8462	0.3	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	50.7443	1.5	50.0
0 Bromoform	50.0000	52.3888	4.8	50.0
0 Styrene	50.0000	46.7661	6.5	50.0
0 Xylene-o	50.0000	45.9635	8.1	50.0
0 Xylenes (total)	150.0000	140.8926	6.1	50.0
0 2-Hexanone	100.0000	85.3917	14.6	50.0
0 Chloromethane	50.0000	45.7099	8.6	50.0
0 Vinyl Chloride	50.0000	42.8609	14.3	20.0
0 Bromomethane	50.0000	50.9239	1.8	50.0
0 Chloroethane	50.0000	48.5719	2.9	50.0
0 1,1-Dichloroethane	50.0000	49.3550	1.3	50.0
0 Tetrachloroethene	50.0000	46.2734	7.5	50.0
0 Acetone	100.0000	100.8406	0.8	50.0
0 1,1-Dichloroethene	50.0000	46.6997	6.6	20.0
0 m + p-Xylene	100.0000	94.9291	5.1	50.0
0 Ethylbenzene	50.0000	46.3913	7.2	20.0
0 Carbon Disulfide	50.0000	50.3828	0.8	50.0
0 Methylene Chloride	50.0000	51.4445	2.9	50.0
0 1,2-Dichloropropane	50.0000	53.1597	6.3	20.0
0 1,1,2-Trichloroethane	50.0000	50.8290	1.7	50.0
0 Dibromochloromethane	50.0000	50.2442	0.5	50.0
0 trans-1,2-Dichloroethene	50.0000	49.1071	1.8	50.0
0 trans-1,3-Dichloropropene	50.0000	46.8920	6.2	50.0
0 cis-1,3-Dichloropropene	50.0000	48.3329	3.3	50.0
0 Chloroform	50.0000	48.2729	3.5	20.0
0 Toluene	50.0000	48.1988	3.6	20.0
0 2-Butanone	100.0000	103.4538	3.5	50.0
0 1,2-Dichloroethene (total)	100.0000	97.4071	2.6	50.0
0 cis-1,2-dichloroethene	50.0000	48.3000	3.4	50.0
0 4-Methyl-2-pentanone	100.0000	98.4728	1.5	50.0
0 1,2-Dichloroethane	50.0000	47.0349	5.9	50.0
0 Trichloroethene	50.0000	46.2379	7.5	50.0
0 1,1,1-Trichloroethane	50.0000	45.4007	9.2	50.0
0 Carbon Tetrachloride	50.0000	48.8628	2.3	50.0
0 Benzene	50.0000	51.0836	2.2	50.0
38 Dichlorodifluoromethane	50.0000	54.2367	8.5	50.0
39 Trichlorofluoromethane	50.0000	50.2058	0.4	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b/UX78537.D
Report Date: 01/04/2005

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX78537.D
Analysis Type: WATER

Injection Date: 03-JAN-2005 09:13
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
40 Acrolein	500.0000	830.4518	66.1	50.0	<-
41 Acrylonitrile	500.0000	606.4824	21.3	50.0	
42 Vinyl acetate	50.0000	62.8100	25.6	50.0	
43 2-Chloroethyl vinyl ether	100.0000	109.3063	9.3	50.0	
47 Freon-113	50.0000	43.5291	12.9	50.0	
48 1,3-Dichlorobenzene	50.0000	44.3707	11.3	50.0	
49 1,4-Dichlorobenzene	50.0000	45.5345	8.9	50.0	
50 1,2-Dichlorobenzene	50.0000	45.2545	9.5	50.0	
51 Acetonitrile	500.0000	671.2507	34.3	50.0	
52 Iodomethane	50.0000	46.5830	6.8	50.0	
59 1,4-Dioxane	2500.0000	2919.8394	16.8	50.0	
60 Dibromomethane	50.0000	50.7758	1.6	50.0	
62 Ethyl Methacrylate	50.0000	45.0740	9.9	50.0	
63 1,2-Dibromoethane	50.0000	47.9285	4.1	50.0	
64 1,1,1,2-Tetrachloroethane	50.0000	50.4710	0.9	50.0	
65 1,2,3-Trichloropropane	50.0000	48.0010	4.0	50.0	
66 1,4-Dichloro-2-butene	50.0000	38.6224	22.8	50.0	
69 1,2-Dibromo-3-chloropropane	50.0000	49.9740	0.1	50.0	
82 Methyl tert-butyl ether	50.0000	47.6093	4.8	50.0	
84 Tetrahydrofuran	50.0000	67.7582	35.5	50.0	
98 2,2-Dichloropropane	50.0000	43.4646	13.1	50.0	
99 1,1-Dichloropropene	50.0000	46.1264	7.7	50.0	
100 1,3-Dichloropropane	50.0000	49.2497	1.5	50.0	
102 Bromobenzene	50.0000	43.9741	12.1	50.0	
103 2-Chlorotoluene	50.0000	43.1038	13.8	50.0	
104 n-Propylbenzene	50.0000	42.7883	14.4	50.0	
105 4-Chlorotoluene	50.0000	45.3591	9.3	50.0	
106 1,3,5-Trimethylbenzene	50.0000	42.6727	14.7	50.0	
107 tert-Butylbenzene	50.0000	39.7723	20.5	50.0	
108 1,2,4-Trimethylbenzene	50.0000	42.2834	15.4	50.0	
109 sec-Butylbenzene	50.0000	40.7181	18.6	50.0	
110 4-Isopropyltoluene	50.0000	41.5250	17.0	50.0	
111 n-Butylbenzene	50.0000	39.6728	20.7	50.0	
112 1,2,4-Trichlorobenzene	50.0000	39.2345	21.5	50.0	
113 Naphthalene	50.0000	36.7410	26.5	50.0	
114 Hexachlorobutadiene	50.0000	41.6465	16.7	50.0	
115 1,2,3-Trichlorobenzene	50.0000	40.4981	19.0	50.0	
124 tert-Butyl Alcohol	1000.0000	1018.9752	1.9	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b/UX78537.D
Report Date: 01/04/2005

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX78537.D
Analysis Type: WATER

Injection Date: 03-JAN-2005 09:13
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
125 Hexane	50.0000	42.9411	14.1	20.0
127 Cyclohexane	50.0000	43.4450	13.1	50.0
128 Isopropylbenzene	50.0000	44.2944	11.4	50.0
130 Fluorobenzene	50.0000	50.0000	0.0	50.0
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0
133 Bromochloromethane	50.0000	48.8027	2.4	50.0
141 1,3,5-Trichlorobenzene	50.0000	40.7846	18.4	50.0
143 Methyl Acetate	100.0000	105.5642	5.6	50.0
144 Methylcyclohexane	50.0000	44.4183	11.2	50.0
22 Toluene-d8	50.0000	52.6204	5.2	50.0
32 Bromofluorobenzene	50.0000	49.4407	1.1	50.0
47 1,2-Dichloroethane-d4	50.0000	51.0087	2.0	50.0
131 Dibromofluoromethane	50.0000	52.3946	4.8	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78537.D
Report Date: 04-Jan-2005 09:50

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX78537.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m

Injection Date: 03-JAN-2005 09:13
Init. Cal. Date(s): 17-DEC-2004 18-DEC-2004
Init. Cal. Times: 16:52 02:43
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	4 Dibromofluoromethane	0.28727	0.30103	0.010	4.8	50.0	
$	5 1,2-Dichloroethane-d4	0.33907	0.34592	0.010	2.0	50.0	
$	6 Toluene-d8	1.61653	1.70125	0.010	5.2	50.0	
$	7 Bromofluorobenzene	0.55457	0.54837	0.010	-1.1	50.0	
	8 Dichlorodifluoromethane	0.20209	0.21921	0.010	8.5	50.0	
	9 Chloromethane	0.32161	0.29402	0.100	-8.6	50.0	
	10 Vinyl Chloride	0.30503	0.26148	0.010	-14.3	20.0	
	11 Bromomethane	0.16914	0.17227	0.010	1.8	50.0	
	12 Chloroethane	0.19507	0.18950	0.010	-2.9	50.0	
	13 Trichlorofluoromethane	0.30060	0.30183	0.010	0.4	50.0	
	15 Acrolein	0.04022	0.06680	0.010	66.1	50.0	<-
	16 Acetone	100	101	0.010	-0.8	50.0	
	17 1,1-Dichloroethene	0.29113	0.27191	0.010	-6.6	20.0	
	18 Freon-113	0.17707	0.15415	0.010	-12.9	50.0	
	19 Iodomethane	0.47167	0.43944	0.010	-6.8	50.0	
	20 Carbon Disulfide	1.03898	1.04693	0.010	0.8	50.0	
	21 Methylene Chloride	50.00000	51.44450	0.010	-2.9	50.0	
	22 Acetonitrile	0.03509	0.04710	0.010	34.3	50.0	
	23 Acrylonitrile	0.11213	0.13601	0.010	21.3	50.0	
	24 Methyl tert-butyl ether	0.85175	0.81102	0.010	-4.8	50.0	
	25 trans-1,2-Dichloroethene	0.33710	0.33108	0.010	-1.8	50.0	
	26 Hexane	0.07866	0.06756	0.010	-14.1	20.0	
	27 Vinyl acetate	0.47480	0.59644	0.010	25.6	50.0	
	28 1,1-Dichloroethane	0.55545	0.54829	0.100	-1.3	50.0	
	29 tert-Butyl Alcohol	0.01915	0.01951	0.010	1.9	50.0	
	30 2-Butanone	0.17563	0.18169	0.010	3.5	50.0	
M	31 1,2-Dichloroethene (total)	0.34321	0.33426	0.010	-2.6	50.0	
	32 cis-1,2-dichloroethene	0.34931	0.33744	0.010	-3.4	50.0	
	33 2,2-Dichloropropane	0.36696	0.31900	0.010	-13.1	50.0	
	34 Bromochloromethane	0.17452	0.17034	0.010	-2.4	50.0	
	35 Chloroform	0.52876	0.51049	0.010	-3.5	20.0	
	36 Tetrahydrofuran	50.00000	67.75822	0.010	-35.5	50.0	
	37 1,1,1-Trichloroethane	0.42385	0.38486	0.010	-9.2	50.0	
	38 1,1-Dichloropropene	0.43044	0.39709	0.010	-7.7	50.0	
	39 Carbon Tetrachloride	0.33315	0.32557	0.010	-2.3	50.0	
	40 1,2-Dichloroethane	0.40075	0.37699	0.010	-5.9	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78537.D
Report Date: 04-Jan-2005 09:50

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX78537.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC

Injection Date: 03-JAN-2005 09:13
Init. Cal. Date(s): 17-DEC-2004 18-DEC-2004
Init. Cal. Times: 16:52 02:43
Quant Type: ISTD

Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	1.34258	1.37168	0.010	2.2	50.0	
	42 Trichloroethene	0.36800	0.34031	0.010	-7.5	50.0	
	43 1,2-Dichloropropane	0.30701	0.32641	0.010	6.3	20.0	
	44 1,4-Dioxane	0.00244	0.00285	0.010	16.8	50.0	<-
	45 Dibromomethane	0.18498	0.18785	0.010	1.6	50.0	
	46 Bromodichloromethane	0.38336	0.38218	0.010	-0.3	50.0	
	47 2-Chloroethyl vinyl ether	0.17259	0.18866	0.010	9.3	50.0	
	48 cis-1,3-Dichloropropene	0.49568	0.47916	0.010	-3.3	50.0	
	49 4-Methyl-2-pentanone	0.25643	0.25251	0.010	-1.5	50.0	
	50 Toluene	1.95810	1.88756	0.010	-3.6	20.0	
	51 trans-1,3-Dichloropropene	0.62101	0.58241	0.010	-6.2	50.0	
	52 Ethyl Methacrylate	0.52028	0.46902	0.010	-9.9	50.0	
	53 1,1,2-Trichloroethane	0.38112	0.38743	0.010	1.7	50.0	
	54 1,3-Dichloropropane	0.68974	0.67939	0.010	-1.5	50.0	
	55 Tetrachloroethene	0.40788	0.37748	0.010	-7.5	50.0	
	56 2-Hexanone	0.33188	0.28340	0.010	-14.6	50.0	
	57 Dibromochloromethane	0.40711	0.40910	0.010	0.5	50.0	
	58 1,2-Dibromoethane	0.38625	0.37024	0.010	-4.1	50.0	
	59 Chlorobenzene	1.22832	1.16823	0.300	-4.9	50.0	
	60 1,1,1,2-Tetrachloroethane	0.39037	0.39405	0.010	0.9	50.0	
	61 Ethylbenzene	0.63894	0.59282	0.010	-7.2	20.0	
	62 m + p-Xylene	0.79615	0.75578	0.010	-5.1	50.0	
M	63 Xylenes (total)	0.78127	0.73413	0.010	-6.0	50.0	
	64 Xylene-o	0.75152	0.69085	0.010	-8.1	50.0	
	65 Styrene	1.29227	1.20869	0.010	-6.5	50.0	
	66 Bromoform	0.26696	0.27971	0.100	4.8	50.0	
	67 Isopropylbenzene	1.74333	1.54439	0.010	-11.4	50.0	
	68 1,1,2,2-Tetrachloroethane	0.87995	0.89305	0.300	1.5	50.0	
	69 1,4-Dichloro-2-butene	0.25081	0.19374	0.010	-22.8	50.0	
	70 1,2,3-Trichloropropane	0.29254	0.28085	0.010	-4.0	50.0	
	71 Bromobenzene	1.01906	0.89624	0.010	-12.1	50.0	
	72 n-Propylbenzene	1.03682	0.88728	0.010	-14.4	50.0	
	73 2-Chlorotoluene	0.91713	0.79063	0.010	-13.8	50.0	
	74 1,3,5-Trimethylbenzene	3.04285	2.59694	0.010	-14.7	50.0	
	75 4-Chlorotoluene	0.94419	0.85655	0.010	-9.3	50.0	
	76 tert-Butylbenzene	2.60510	2.07222	0.010	-20.5	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78537.D
Report Date: 04-Jan-2005 09:50

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 03-JAN-2005 09:13
Lab File ID: UX78537.D Init. Cal. Date(s): 17-DEC-2004 18-DEC-2004
Analysis Type: WATER Init. Cal. Times: 16:52 02:43
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	3.12487	2.64260	0.010	-15.4	50.0
78 sec-Butylbenzene	3.69343	3.00779	0.010	-18.6	50.0
79 4-Isopropyltoluene	3.12018	2.59131	0.010	-17.0	50.0
80 1,3-Dichlorobenzene	1.88525	1.67300	0.010	-11.3	50.0
81 1,4-Dichlorobenzene	1.93977	1.76653	0.010	-8.9	50.0
82 n-Butylbenzene	2.76358	2.19278	0.010	-20.7	50.0
83 1,2-Dichlorobenzene	1.80728	1.63575	0.010	-9.5	50.0
84 1,2-Dibromo-3-chloropropane	0.20023	0.20013	0.010	-0.1	50.0
85 1,2,4-Trichlorobenzene	1.31771	1.03399	0.010	-21.5	50.0
86 Hexachlorobutadiene	0.52227	0.43501	0.010	-16.7	50.0
87 Naphthalene	3.39460	2.49442	0.010	-26.5	50.0
88 1,2,3-Trichlorobenzene	1.21596	0.98488	0.010	-19.0	50.0
98 Cyclohexane	0.52769	0.45851	0.010	-13.1	50.0
143 Methyl Acetate	0.24667	0.26040	0.010	5.6	50.0
144 Methylcyclohexane	0.50646	0.44992	0.010	-11.2	50.0
141 1,3,5-Trichlorobenzene	1.39400	1.13707	0.010	-18.4	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78537.D
Report Date: 04-Jan-2005 09:50

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78537.D
Lab Smp Id: 50NG-CC
Inj Date : 03-JAN-2005 09:13
Operator : 1904 Inst ID: a3ux7.i
Smp Info : 50NG-CC
Misc Info : U50103A,N8260UX7-3,1-8260.SUB,1904,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m
Meth Date : 04-Jan-2005 09:50 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.961	4.961	(1.000)	1315181	50.0000	
* 2 Chlorobenzene-d5	117	7.624	7.624	(1.000)	939612	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.848	9.848	(1.000)	493491	50.0000	
$ 4 Dibromofluoromethane	113	4.393	4.393	(0.886)	395903	50.0000	52.394
$ 5 1,2-Dichloroethane-d4	65	4.677	4.677	(0.943)	454941	50.0000	51.009
$ 6 Toluene-d8	98	6.310	6.310	(0.828)	1598511	50.0000	52.620
$ 7 Bromofluorobenzene	95	8.724	8.724	(1.144)	515254	50.0000	49.441
8 Dichlorodifluoromethane	85	1.447	1.447	(0.292)	288300	50.0000	54.237
9 Chloromethane	50	1.589	1.589	(0.320)	386685	50.0000	45.710
10 Vinyl Chloride	62	1.684	1.684	(0.339)	343889	50.0000	42.861
11 Bromomethane	94	1.944	1.944	(0.392)	226561	50.0000	50.924
12 Chloroethane	64	2.027	2.027	(0.409)	249228	50.0000	48.572
13 Trichlorofluoromethane	101	2.204	2.204	(0.444)	396964	50.0000	50.206
15 Acrolein	56	2.524	2.524	(0.509)	878566	500.000	830.45
16 Acetone	43	2.642	2.642	(0.533)	370582	100.000	100.84
17 1,1-Dichloroethene	96	2.619	2.619	(0.528)	357615	50.0000	46.700
18 Freon-113	151	2.642	2.642	(0.533)	202741	50.0000	43.529

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78537.D
Report Date: 04-Jan-2005 09:50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 Iodomethane	142	2.737	2.737	(0.552)	577939	50.0000	46.583
20 Carbon Disulfide	76	2.808	2.808	(0.566)	1376907	50.0000	50.383
21 Methylene Chloride	84	2.985	2.985	(0.602)	471104	50.0000	51.444
22 Acetonitrile	41	2.855	2.855	(0.576)	619493	500.000	671.25
23 Acrylonitrile	53	3.175	3.175	(0.640)	1788721	500.000	606.48
24 Methyl tert-butyl ether	73	3.222	3.222	(0.649)	1066643	50.0000	47.609
25 trans-1,2-Dichloroethene	96	3.222	3.222	(0.649)	435430	50.0000	49.107
26 Hexane	86	3.447	3.447	(0.695)	88852	50.0000	42.941
27 Vinyl acetate	43	3.577	3.577	(0.721)	784425	50.0000	62.810
28 1,1-Dichloroethane	63	3.553	3.553	(0.716)	721099	50.0000	49.355
29 tert-Butyl Alcohol	59	3.080	3.080	(0.621)	513150	1000.00	1019.0(A)
30 2-Butanone	43	4.015	4.015	(0.809)	477919	100.000	103.45
M 31 1,2-Dichloroethene (total)	96				879221	100.000	97.407
32 cis-1,2-dichloroethene	96	4.015	4.015	(0.809)	443791	50.0000	48.300
33 2,2-Dichloropropane	77	4.027	4.027	(0.812)	419542	50.0000	43.464
34 Bromochloromethane	128	4.216	4.216	(0.850)	224029	50.0000	48.803
35 Chloroform	83	4.263	4.263	(0.859)	671393	50.0000	48.273
36 Tetrahydrofuran	42	4.263	4.263	(0.859)	153433	50.0000	67.758
37 1,1,1-Trichloroethane	97	4.441	4.441	(0.895)	506161	50.0000	45.401
38 1,1-Dichloropropene	75	4.571	4.571	(0.921)	522249	50.0000	46.126
39 Carbon Tetrachloride	117	4.583	4.583	(0.924)	428183	50.0000	48.863
40 1,2-Dichloroethane	62	4.737	4.737	(0.955)	495806	50.0000	47.035
41 Benzene	78	4.737	4.737	(0.955)	1804004	50.0000	51.084
42 Trichloroethene	130	5.269	5.269	(1.062)	447570	50.0000	46.238
43 1,2-Dichloropropane	63	5.458	5.458	(1.100)	429293	50.0000	53.160
44 1,4-Dioxane	88	5.577	5.577	(1.124)	187592	2500.00	2919.8(A)
45 Dibromomethane	93	5.553	5.553	(1.119)	247062	50.0000	50.776
46 Bromodichloromethane	83	5.683	5.683	(1.145)	502636	50.0000	49.846
47 2-Chloroethyl vinyl ether	63	5.932	5.932	(1.196)	496236	100.000	109.31
48 cis-1,3-Dichloropropene	75	6.074	6.074	(1.224)	630177	50.0000	48.333
49 4-Methyl-2-pentanone	43	6.192	6.192	(1.248)	664200	100.000	98.473
50 Toluene	91	6.370	6.370	(0.835)	1773577	50.0000	48.199
51 trans-1,3-Dichloropropene	75	6.547	6.547	(0.859)	547235	50.0000	46.892
52 Ethyl Methacrylate	69	6.630	6.630	(0.870)	440695	50.0000	45.074
53 1,1,2-Trichloroethane	97	6.713	6.713	(0.880)	364038	50.0000	50.829
54 1,3-Dichloropropane	76	6.866	6.866	(0.901)	638365	50.0000	49.250
55 Tetrachloroethene	164	6.878	6.878	(0.902)	354686	50.0000	46.273
56 2-Hexanone	43	6.937	6.937	(0.910)	532570	100.000	85.392
57 Dibromochloromethane	129	7.079	7.079	(0.929)	384398	50.0000	50.244
58 1,2-Dibromoethane	107	7.198	7.198	(0.944)	347886	50.0000	47.928
59 Chlorobenzene	112	7.647	7.647	(1.003)	1097684	50.0000	47.554
60 1,1,1,2-Tetrachloroethane	131	7.718	7.718	(1.012)	370254	50.0000	50.471
61 Ethylbenzene	106	7.742	7.742	(1.016)	557024	50.0000	46.391
62 m + p-Xylene	106	7.860	7.860	(1.031)	1420275	100.000	94.929
M 63 Xylenes (total)	106				2069405	150.000	140.89
64 Xylene-o	106	8.227	8.227	(1.079)	649130	50.0000	45.963
65 Styrene	104	8.239	8.239	(1.081)	1135701	50.0000	46.766

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78537.D
Report Date: 04-Jan-2005 09:50

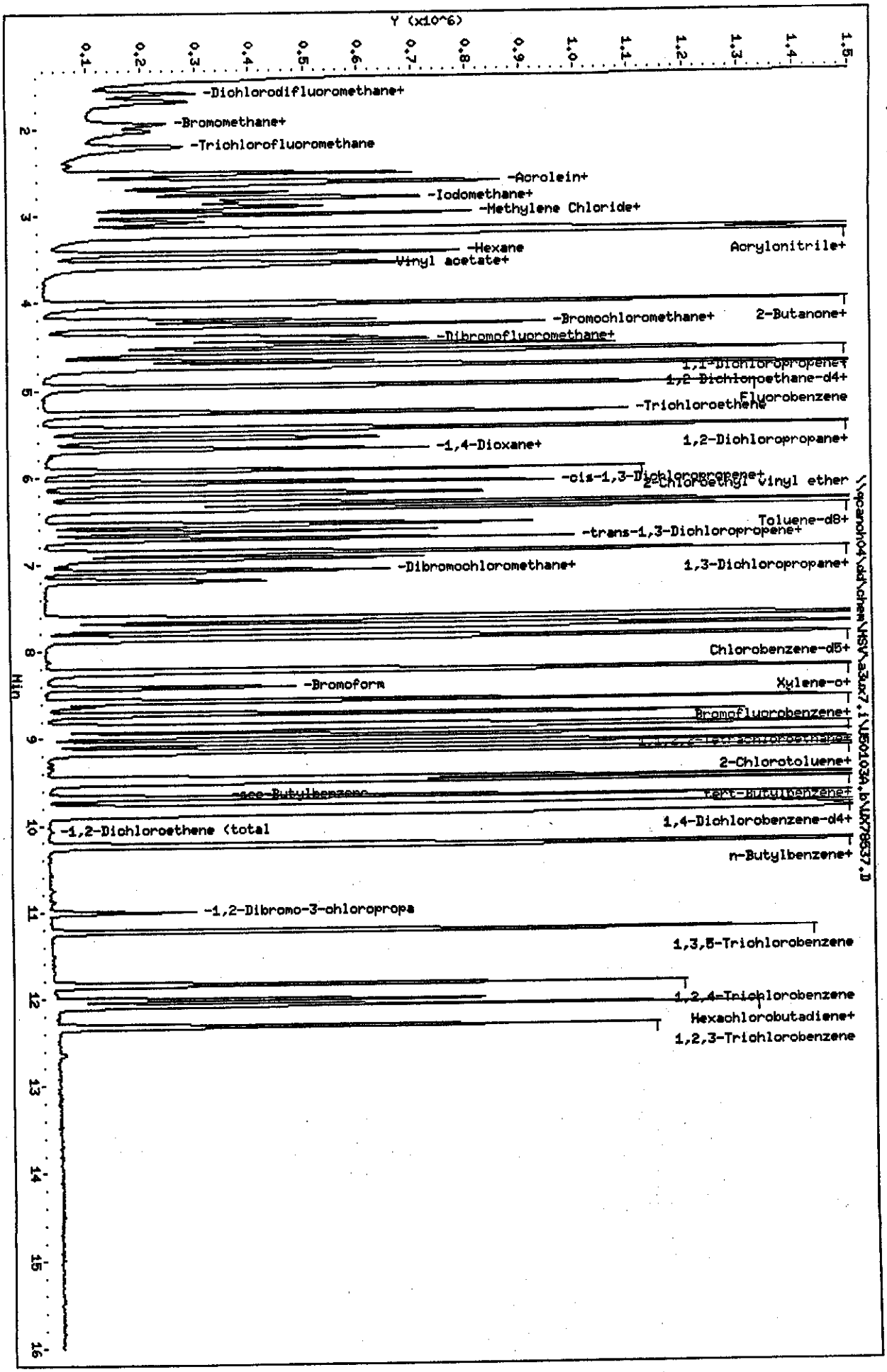
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.417	8.417	(1.104)	262819	50.0000	52.389
67 Isopropylbenzene	105	8.582	8.582	(1.126)	1451127	50.0000	44.294
68 1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.899)	440712	50.0000	50.744
69 1,4-Dichloro-2-butene	53	8.902	8.902	(0.904)	95608	50.0000	38.622
70 1,2,3-Trichloropropane	110	8.902	8.902	(0.904)	138595	50.0000	48.001
71 Bromobenzene	156	8.878	8.878	(0.901)	442288	50.0000	43.974
72 n-Propylbenzene	120	8.973	8.973	(0.911)	437864	50.0000	42.788
73 2-Chlorotoluene	126	9.067	9.067	(0.921)	390170	50.0000	43.104
74 1,3,5-Trimethylbenzene	105	9.150	9.150	(0.929)	1281565	50.0000	42.673
75 4-Chlorotoluene	126	9.162	9.162	(0.930)	422699	50.0000	45.359
76 tert-Butylbenzene	119	9.470	9.470	(0.962)	1022620	50.0000	39.772
77 1,2,4-Trimethylbenzene	105	9.517	9.517	(0.966)	1304101	50.0000	42.283
78 sec-Butylbenzene	105	9.683	9.683	(0.983)	1484316	50.0000	40.718
79 4-Isopropyltoluene	119	9.825	9.825	(0.998)	1278789	50.0000	41.525
80 1,3-Dichlorobenzene	146	9.789	9.789	(0.994)	825609	50.0000	44.371
81 1,4-Dichlorobenzene	146	9.872	9.872	(1.002)	871766	50.0000	45.534
82 n-Butylbenzene	91	10.227	10.227	(1.038)	1082118	50.0000	39.673
83 1,2-Dichlorobenzene	146	10.239	10.239	(1.040)	807229	50.0000	45.254
84 1,2-Dibromo-3-chloropropane	157	11.008	11.008	(1.118)	98761	50.0000	49.974
85 1,2,4-Trichlorobenzene	180	11.848	11.848	(1.203)	510266	50.0000	39.234
86 Hexachlorobutadiene	225	12.026	12.026	(1.221)	214675	50.0000	41.646
87 Naphthalene	128	12.085	12.085	(1.227)	1230974	50.0000	36.741
88 1,2,3-Trichlorobenzene	180	12.333	12.333	(1.252)	486029	50.0000	40.498
98 Cyclohexane	56	4.500	4.500	(0.907)	603025	50.0000	43.445
143 Methyl Acetate	43	2.902	2.902	(0.585)	684942	100.000	105.56
144 Methylcyclohexane	83	5.447	5.447	(1.098)	591723	50.0000	44.418
141 1,3,5-Trichlorobenzene	180	11.233	11.233	(1.141)	561136	50.0000	40.785

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U501030.b\UX78537.D
Date : 03-JAN-2005 09:13
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b/UX78538.D
Report Date: 01/04/2005

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX78538.D
Analysis Type: WATER

Injection Date: 03-JAN-2005 09:36
Lab Sample ID: 50NG-A9CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
53 3-Chloropropene	50.0000	52.3789	4.8	50.0	
54 2-Chloro-1,3-butadiene	50.0000	55.5213	11.0	50.0	
55 Propionitrile	100.0000	134.1758	34.2	50.0	
56 Methacrylonitrile	50.0000	61.5396	23.1	50.0	
57 Isobutanol	1000.0000	1525.6567	52.6	50.0	<-
58 Methyl Methacrylate	50.0000	60.1026	20.2	50.0	
73 n-Butanol	1000.0000	1115.8394	11.6	50.0	
74 Ethyl Acetate	100.0000	136.6214	36.6	50.0	
75 Cyclohexanone	500.0000	685.9190	37.2	50.0	
76 Ethyl Ether	50.0000	60.7476	21.5	50.0	
85 Dichlorofluoromethane	50.0000	60.9703	21.9	50.0	
86 2-Nitropropane	100.0000	146.1620	46.2	50.0	
126 Isopropyl Ether	250.0000	265.8927	6.4	50.0	
130 Fluorobenzene	50.0000	50.0000	0.0	50.0	
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
146 2-Methylnaphthalene	100.0000	65.5597	34.4	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78538.D
Report Date: 04-Jan-2005 09:58

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX78538.D
Analysis Type: WATER
Lab Sample ID: 50NG-A9CC
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m

Injection Date: 03-JAN-2005 09:36
Init. Cal. Date(s): 17-DEC-2004 18-DEC-2004
Init. Cal. Times: 16:52 02:43
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
14 Dichlorofluoromethane	0.37192	0.45352	0.010	21.9	50.0	
89 Ethyl Ether	0.22208	0.26981	0.010	21.5	50.0	
91 3-Chloropropene	0.16124	0.16891	0.010	4.8	50.0	
92 Isopropyl Ether	0.27012	0.28729	0.010	6.4	50.0	
93 2-Chloro-1,3-butadiene	0.38363	0.42600	0.010	11.0	50.0	
94 Propionitrile	0.03419	0.04587	0.010	34.2	50.0	
95 Ethyl Acetate	0.19942	0.27245	0.010	36.6	50.0	
96 Methacrylonitrile	0.14193	0.17469	0.010	23.1	50.0	
97 Isobutanol	0.00748	0.01142	0.010	52.6	50.0	<-
99 n-Butanol	0.00765	0.00853	0.010	11.6	50.0	<-
100 Methyl Methacrylate	0.17507	0.21044	0.010	20.2	50.0	
101 2-Nitropropane	0.03909	0.05713	0.010	46.2	50.0	
103 Cyclohexanone	500	686	0.010	-37.2	50.0	
146 2-Methylnaphthalene	100	65.55972	0.010	34.4	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78538.D
Report Date: 04-Jan-2005 09:58

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78538.D
Lab Smp Id: 50NG-A9CC
Inj Date : 03-JAN-2005 09:36
Operator : 1904 Inst ID: a3ux7.i
Smp Info : 50NG-A9CC
Misc Info : U50103A,N8260UX7-3,3-IX.SUB,1904,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m
Meth Date : 04-Jan-2005 09:58 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

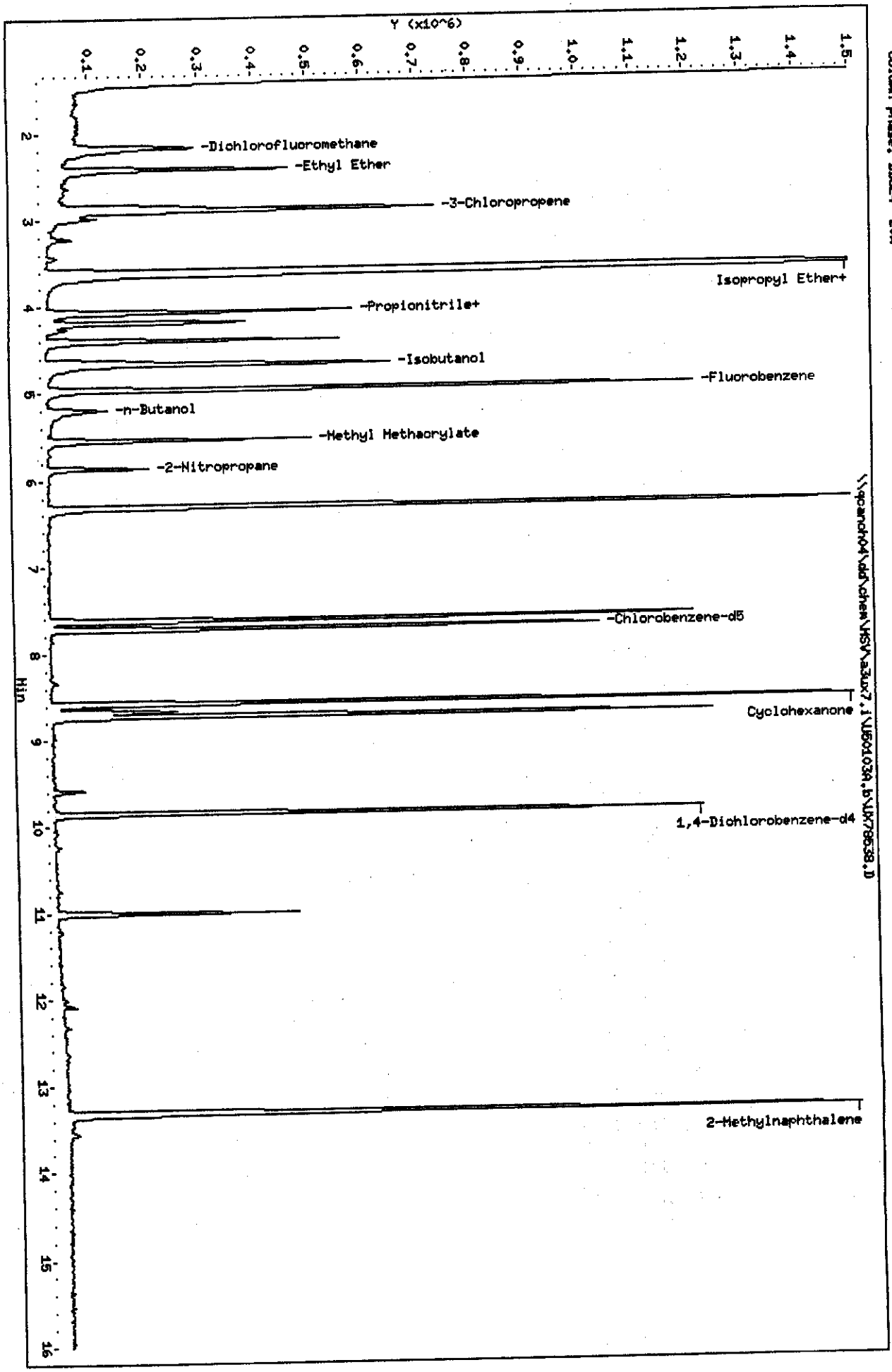
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.964	4.964	(1.000)	1229292	50.0000	
* 2 Chlorobenzene-d5	117	7.615	7.615	(1.000)	854196	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.851	9.851	(1.000)	392877	50.0000	
14 Dichlorofluoromethane	67	2.172	2.172	(0.438)	557512	50.0000	60.970
89 Ethyl Ether	59	2.420	2.420	(0.488)	331679	50.0000	60.748
91 3-Chloropropene	76	2.893	2.893	(0.583)	207644	50.0000	52.379
92 Isopropyl Ether	87	3.603	3.603	(0.726)	1765821	250.000	265.89(A)
93 2-Chloro-1,3-butadiene	53	3.627	3.627	(0.731)	523675	50.0000	55.521
94 Propionitrile	54	4.065	4.065	(0.819)	112771	100.000	134.18
95 Ethyl Acetate	43	4.065	4.065	(0.819)	669848	100.000	136.62
96 Methacrylonitrile	41	4.183	4.183	(0.843)	214743	50.0000	61.540
97 Isobutanol	41	4.645	4.645	(0.610)	195088	1000.00	1525.6(A)
99 n-Butanol	56	5.189	5.189	(0.681)	145750	1000.00	1115.8(A)
100 Methyl Methacrylate	41	5.544	5.544	(1.117)	258690	50.0000	60.102
101 2-Nitropropane	41	5.863	5.863	(1.181)	140467	100.000	146.16
103 Cyclohexanone	55	8.668	8.668	(0.880)	145506	500.000	685.92(A)
146 2-Methylnaphthalene	142	13.318	13.318	(1.352)	1118116	100.000	65.560

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78538.D
Report Date: 04-Jan-2005 09:58

QC Flag Legend

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


Data File: \\qcanch04\dd\chem\HSV\a3ux7.i\U501036.b\UX78538.D
Date : 03-JAN-2006 09:36
Client ID:
Sample Info: 50NG-A90C
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Isobutanol
-Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
\\qcanch04\dd\chem\HSV\a3ux7.i\U501036.b\UX78538.D
-Chlorobenzene-d5
Cyclohexanone
1,4-Dichlorobenzene-d4
2-Methylnaphthalene
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

SEVERN TRENT STL

RAW QC DATA

Data File: \\qoanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\BFB473.D

Date : 17-DEC-2004 16:27

Client ID: BONGBFB

Instrument: a3ux7.i

Sample Info:

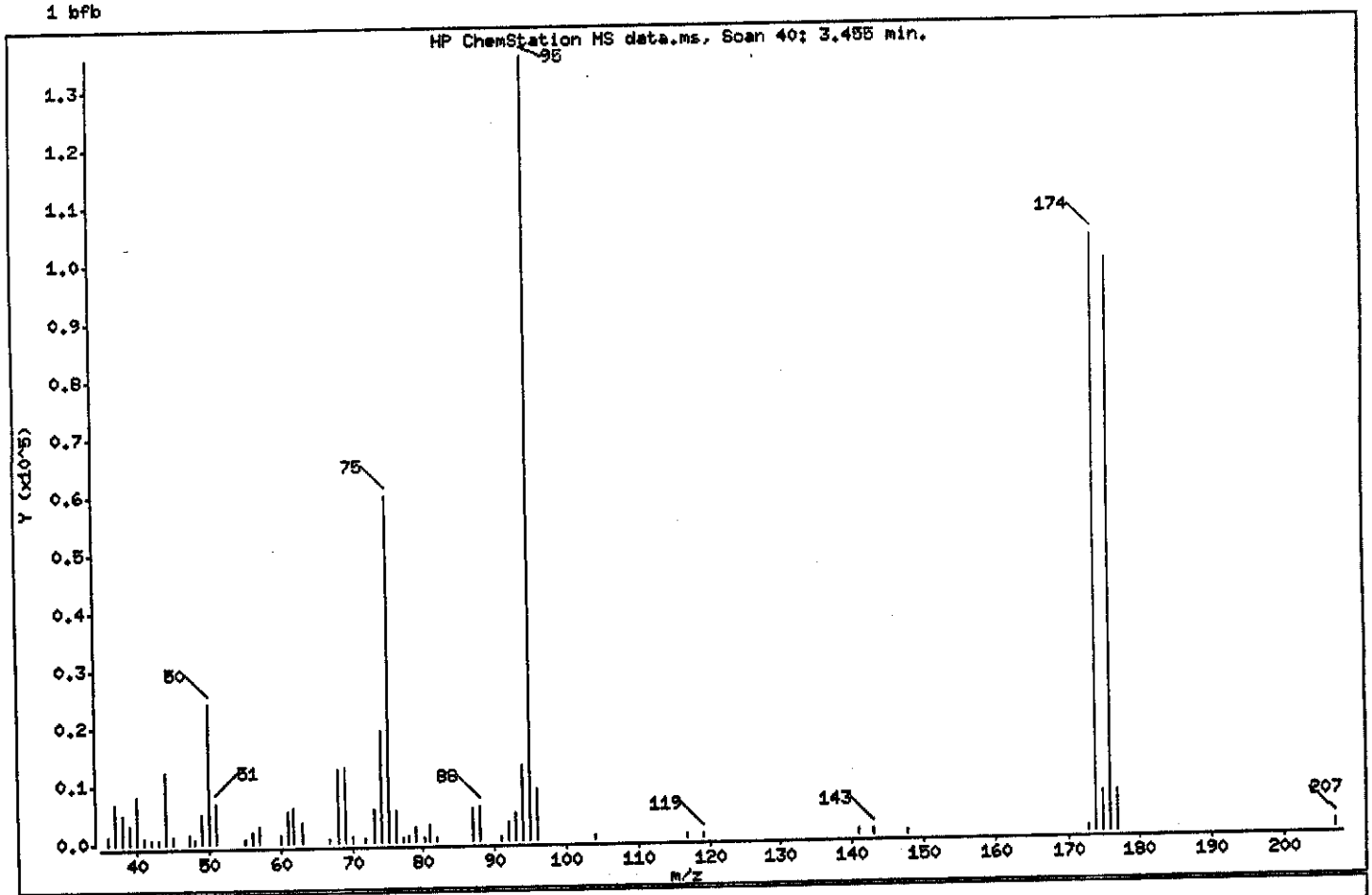
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

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	17.69
75	30.00 - 60.00% of mass 95	43.97
96	5.00 - 9.00% of mass 95	6.47
173	Less than 2.00% of mass 174	0.60 (0.79)
174	50.00 - 100.00% of mass 95	76.13
175	5.00 - 9.00% of mass 174	5.03 (6.61)
176	95.00 - 101.00% of mass 174	73.08 (95.99)
177	5.00 - 9.00% of mass 176	5.11 (7.00)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41217A-IC.b\BFB473.D

Date : 17-DEC-2004 16:27

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20m

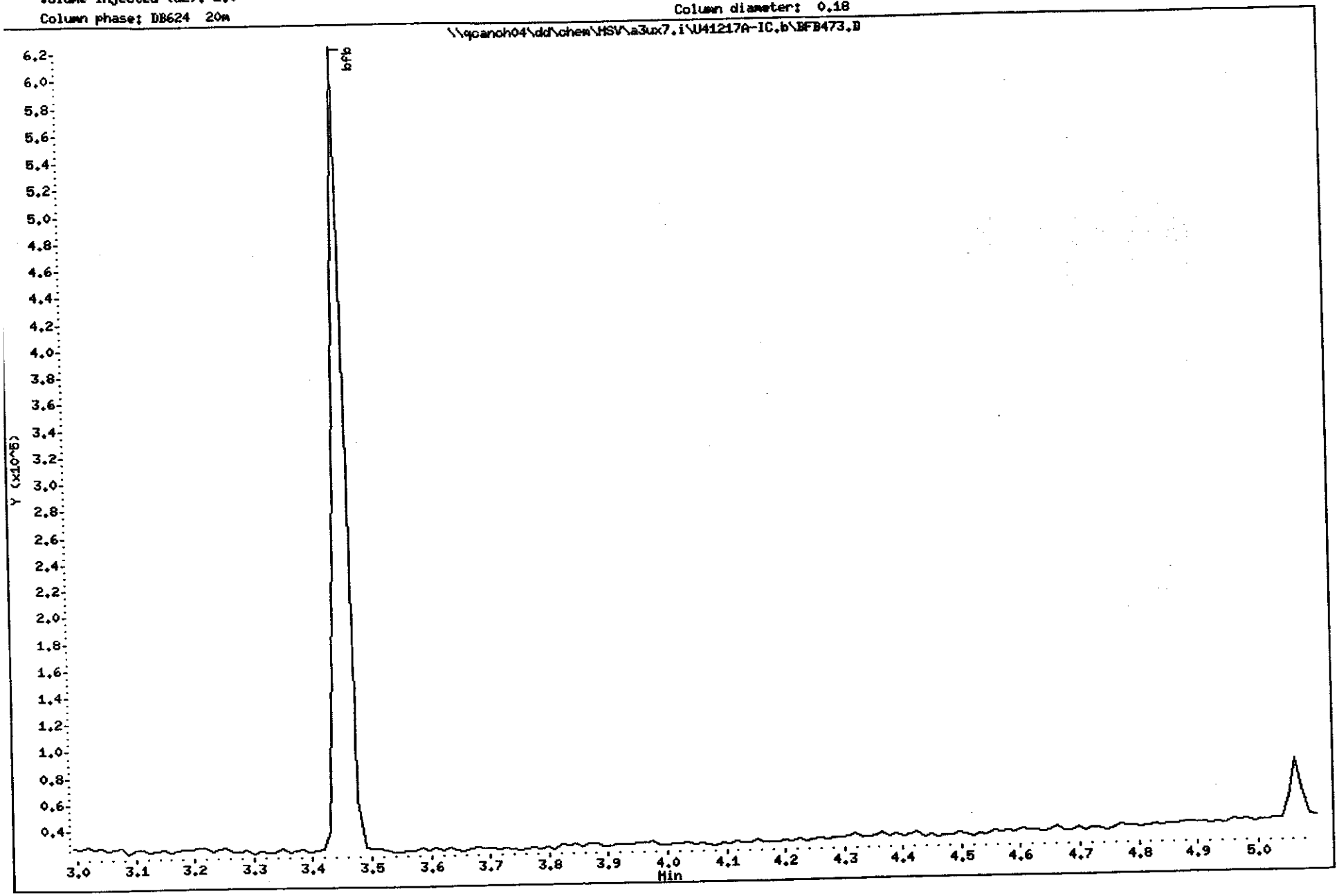
Column diameter: 0.18

Data File: BFB473.D
Spectrum: HP ChemStation MS data.ms, Scan 40: 3.455 min.
Location of Maximum: 95.05
Number of points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.95	1387	54.95	604	76.05	5355	103.95	562
37.05	6905	55.05	1952	77.05	697	116.95	652
38.05	5121	57.05	2958	77.95	909	119.05	688
39.05	3046	60.05	1133	78.95	2438	140.95	857
40.05	8163	61.05	5172	80.05	763	142.95	1044
41.05	931	61.95	6061	80.95	2736	147.85	515
41.95	574	63.05	3586	81.95	697	172.95	813
43.05	634	66.85	528	87.05	5684	173.95	103248
44.05	12151	68.05	12412	87.95	5859	174.85	6821
45.05	1186	69.05	12783	90.95	585	175.95	99112
47.15	1457	70.05	855	92.05	3003	176.95	6934
48.05	705	71.95	547	92.95	4704	207.05	1152
49.05	5055	73.05	5473	94.05	12902		
50.05	23992	74.05	19064	95.05	135616		
50.95	6867	75.05	59632	96.05	8771		

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U41217A-IC.b\BFB473.D
Date : 17-DEC-2004 16:27
Client ID: 50NGBFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\BFB474.D

Date : 18-DEC-2004 00:27

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

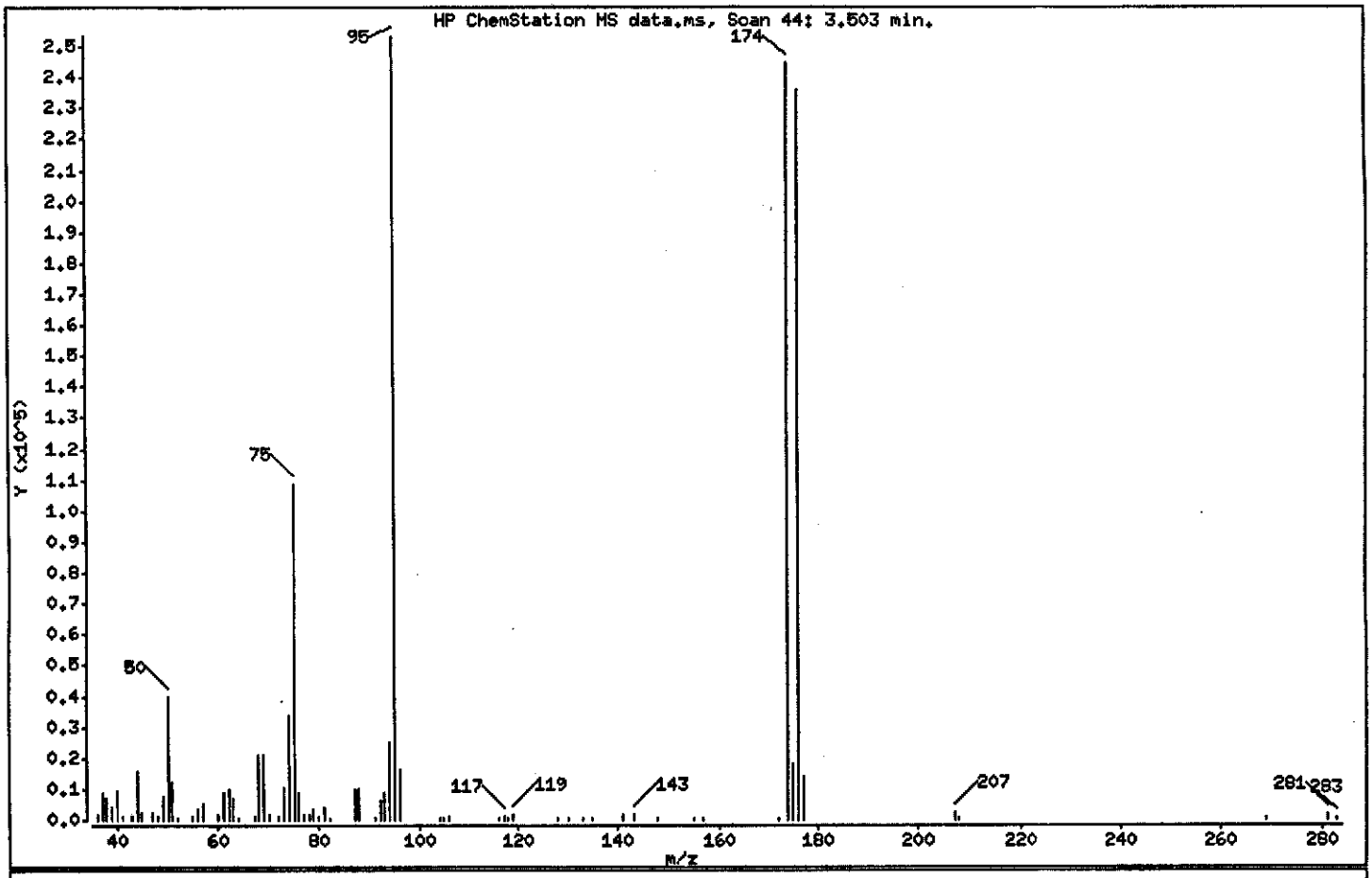
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

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	15.57
75	30.00 - 60.00% of mass 95	42.92
96	5.00 - 9.00% of mass 95	6.37
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	96.44
175	5.00 - 9.00% of mass 174	7.10 (7.37)
176	95.00 - 101.00% of mass 174	93.16 (96.60)
177	5.00 - 9.00% of mass 176	5.51 (5.91)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\BFB474.D

Date : 18-DEC-2004 00:27

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20m

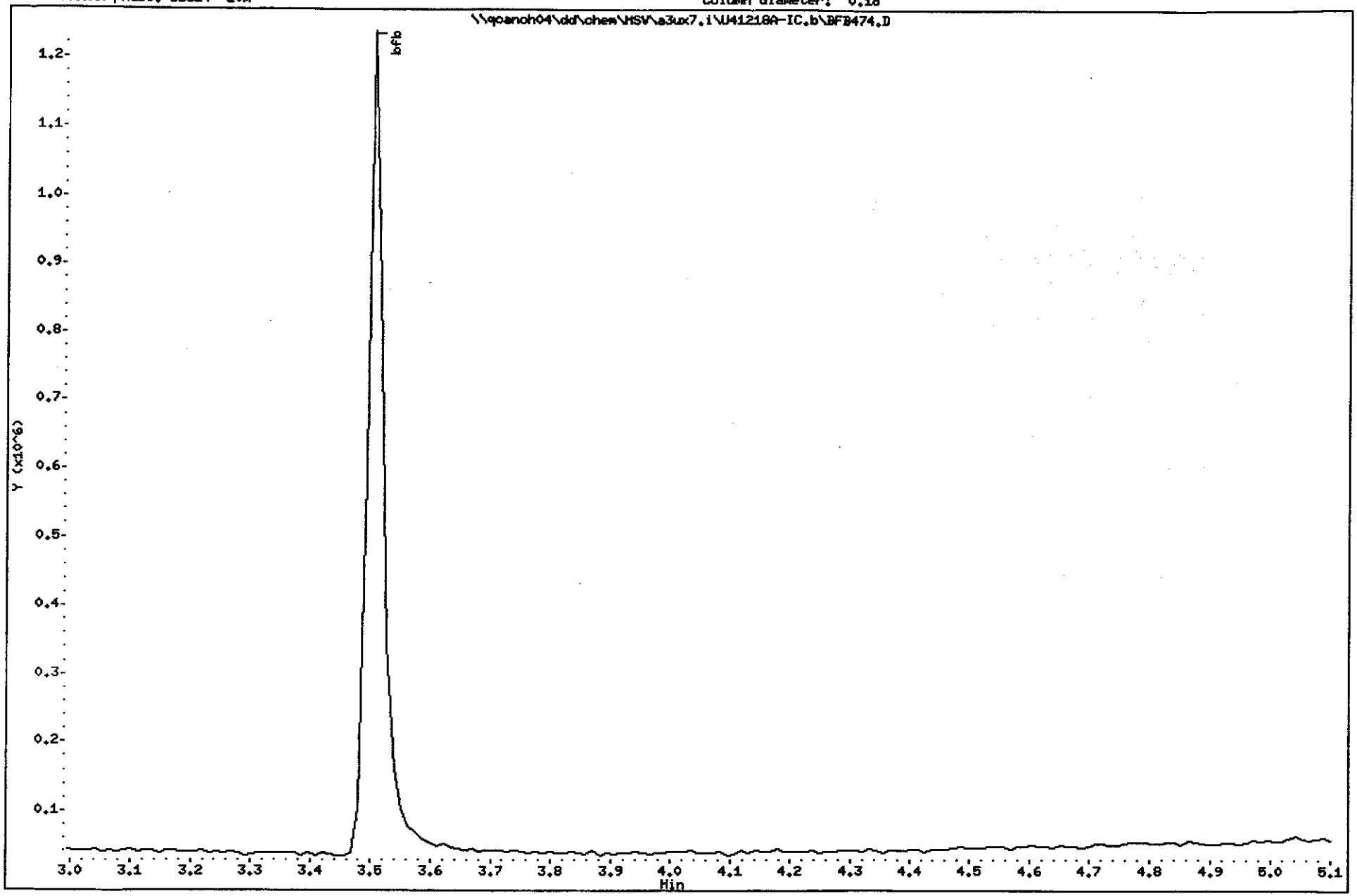
Column diameter: 0.18

Data File: BFB474.D
Spectrum: HP ChemStation MS data.ms, Scan 44: 3.503 min.
Location of Maximum: 95.05
Number of points: 72

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.05	1705	61.05	9019	86.95	9834	140.85	1697
37.05	8862	62.05	9898	87.95	10210	142.95	2016
38.05	7166	63.05	6998	91.05	768	147.85	546
39.05	4348	63.95	783	92.05	6427	154.95	573
39.95	9325	67.05	886	93.05	8800	156.85	623
41.15	1234	68.05	20856	94.05	25160	171.95	786
43.05	983	69.05	20856	95.05	253568	173.95	244544
44.05	15504	70.05	1722	96.05	16163	174.95	18016
44.95	2088	72.05	1124	103.95	786	175.95	236224
47.05	2084	73.05	10649	104.95	579	176.95	13969
47.95	1236	74.05	33744	105.95	1122	207.05	2167
49.05	7886	75.05	108824	115.85	707	207.95	536
50.05	39488	76.05	8884	116.95	1413	269.05	622
51.05	12395	77.05	1469	117.85	762	281.05	1874
51.95	792	78.05	1608	118.95	1672	283.05	616
55.05	965	78.95	3775	127.75	853		
56.05	3467	79.95	1234	130.05	652		
57.05	4998	80.95	3817	132.95	608		
60.05	1722	81.95	840	134.85	613		

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41218A-IC.b\BFB474.D
Date : 18-DEC-2004 00:27
Client ID: 50NGBFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18



Data File: \\qoanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\BFB489.D

Date : 30-DEC-2004 10:30

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

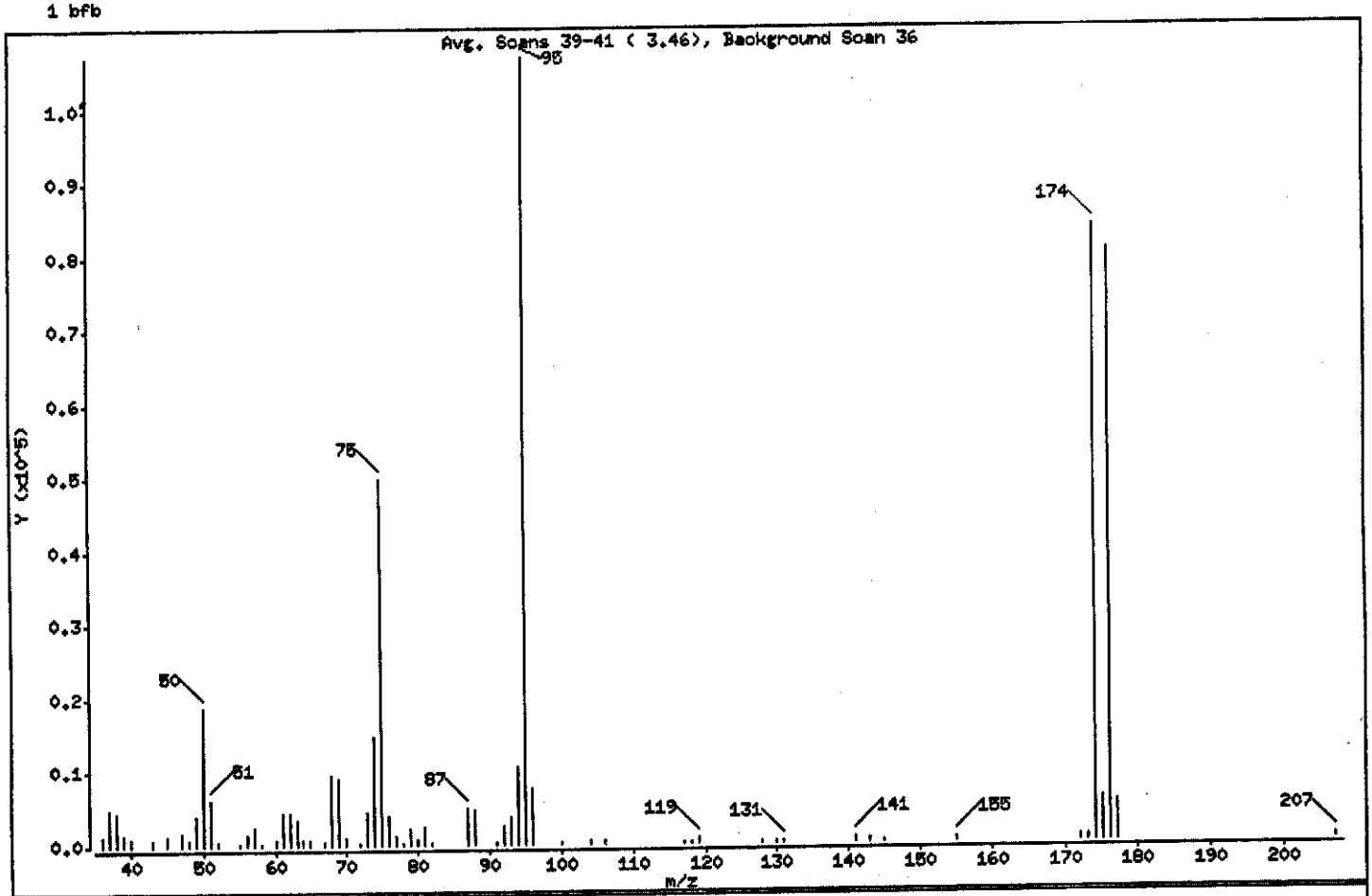
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

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	17.59
75	30.00 - 60.00% of mass 95	46.53
96	5.00 - 9.00% of mass 95	7.09
173	Less than 2.00% of mass 174	0.67 (0.85)
174	50.00 - 100.00% of mass 95	78.25
175	5.00 - 9.00% of mass 174	5.58 (7.13)
176	95.00 - 101.00% of mass 174	75.27 (96.20)
177	5.00 - 9.00% of mass 176	4.96 (6.59)

Data File: \\qcanch04\dd\chem\MSV\a3ux7.i\U41230A.b\BFB489.D

Date : 30-DEC-2004 10:30

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

Data File: BFB489.D

Spectrum: Avg. Scans 39-41 (3.46), Background Scan 36

Location of Maximum: 95.00

Number of points: 66

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1138	60.00	725	79.00	2248	119.00	767
37.00	4989	61.00	4417	80.00	693	128.00	181
38.00	4500	62.00	4335	81.00	2363	130.00	210
39.00	1392	63.00	3481	82.00	301	131.00	278
40.00	995	64.00	733	87.00	4977	141.00	697
43.00	636	65.00	622	88.00	4705	143.00	579
45.00	1199	67.00	410	91.00	169	145.00	193
47.00	1664	68.00	9714	92.00	2556	155.00	395
48.00	680	69.00	9118	93.00	3780	172.00	683
49.00	3846	70.00	992	94.00	10727	173.00	715
50.00	18824	72.00	196	95.00	107056	174.00	83768
51.00	6247	73.00	4391	96.00	7589	175.00	5976
52.00	454	74.00	14810	100.00	350	176.00	80584
55.00	370	75.00	49808	104.00	384	177.00	5311
56.00	1495	76.00	3983	106.00	405	207.00	518
57.00	2573	77.00	1169	117.00	278		
58.00	194	78.00	330	118.00	193		

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U41230A.b\BFB489.D

Page 1

Date : 30-DEC-2004 10:30

Client ID: 50NGBFB

Instrument: a3ux7.i

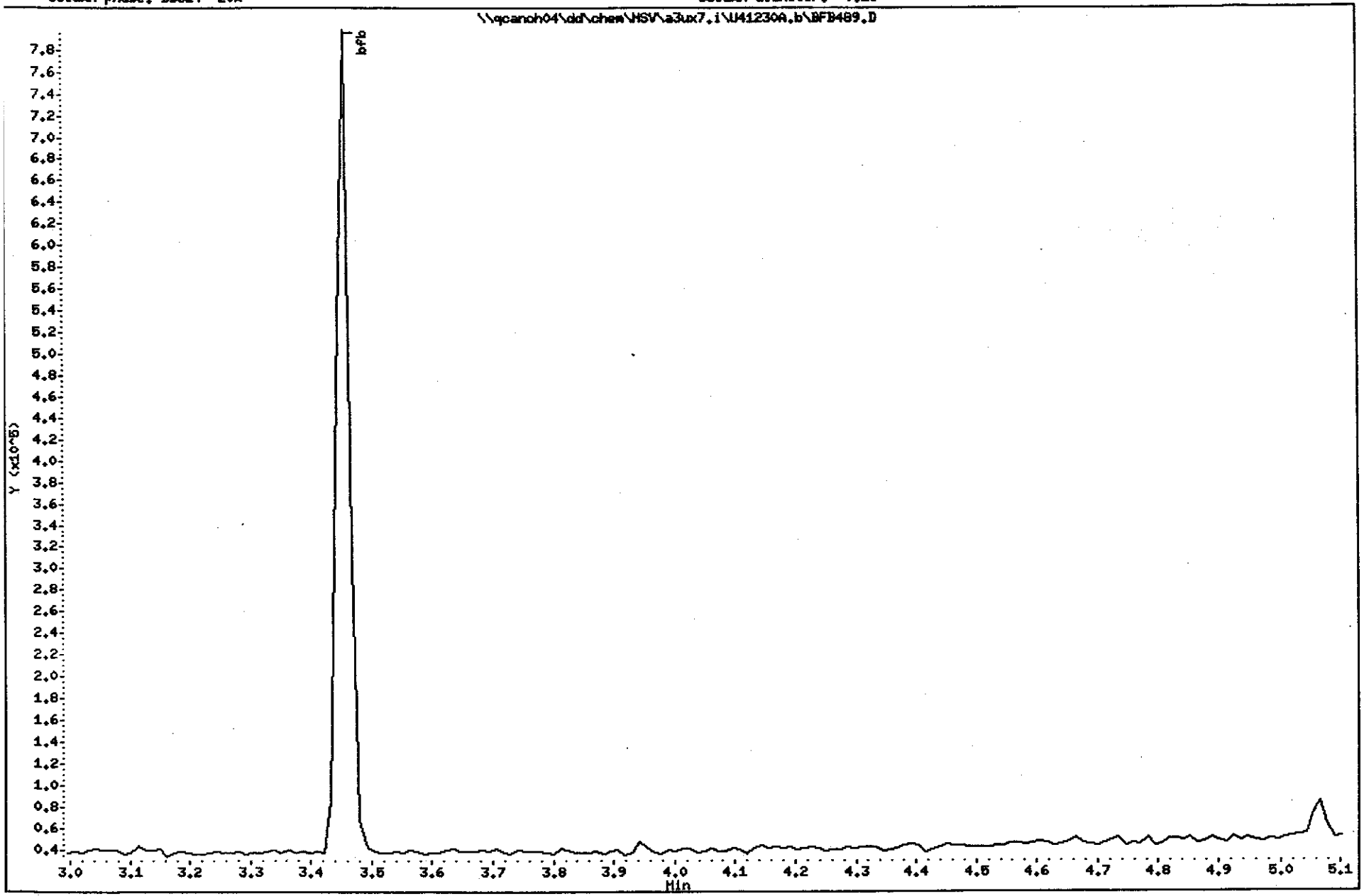
Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\BFB490.D

Date : 03-JAN-2005 08:53

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

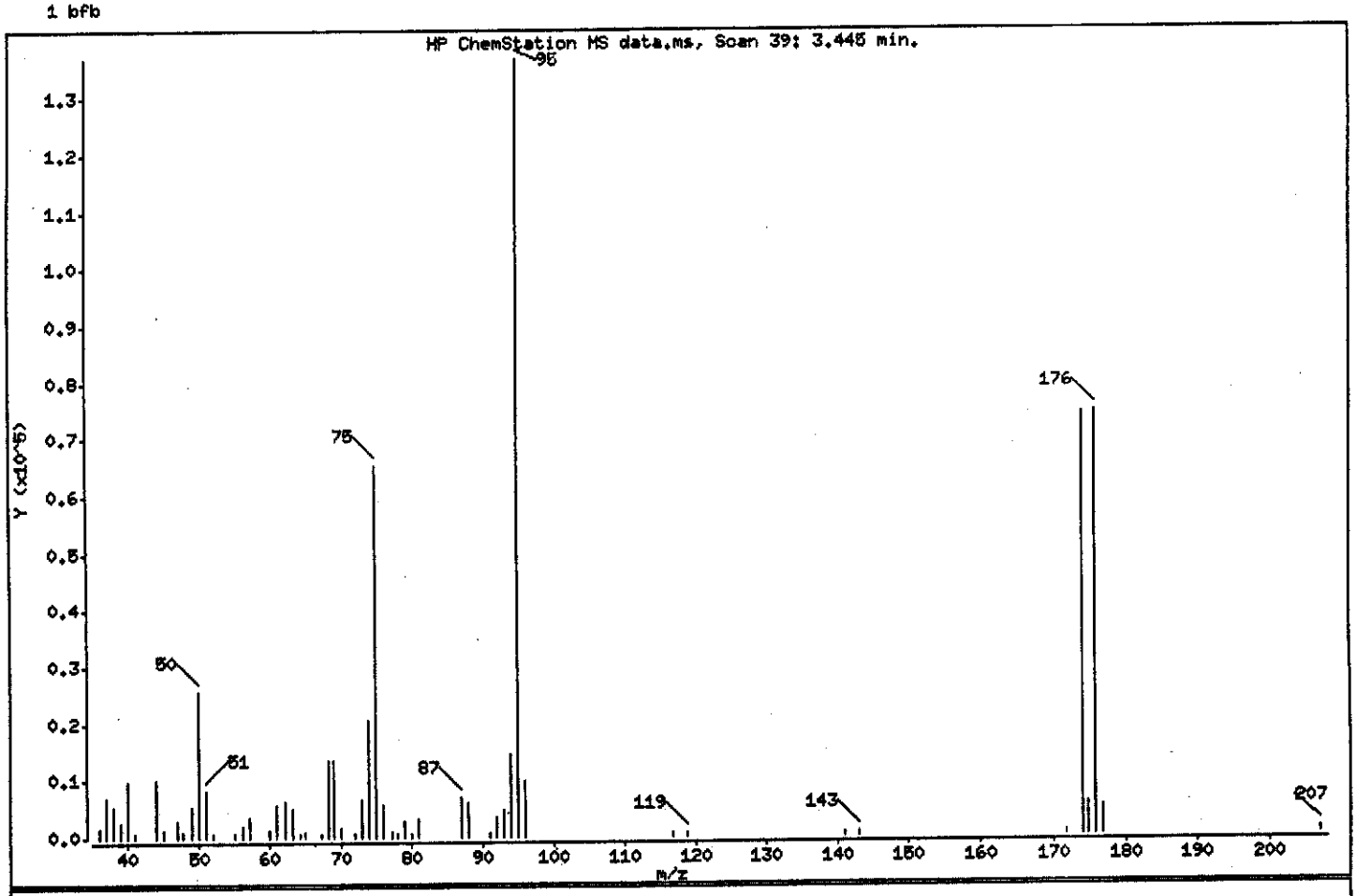
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

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	18.74
75	30.00 - 60.00% of mass 95	47.76
96	5.00 - 9.00% of mass 95	7.23
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	54.25
175	5.00 - 9.00% of mass 174	4.20 (7.75)
176	95.00 - 101.00% of mass 174	54.36 (100.20)
177	5.00 - 9.00% of mass 176	3.71 (6.83)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\BFB490.D

Date : 03-JAN-2005 08:53

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20m

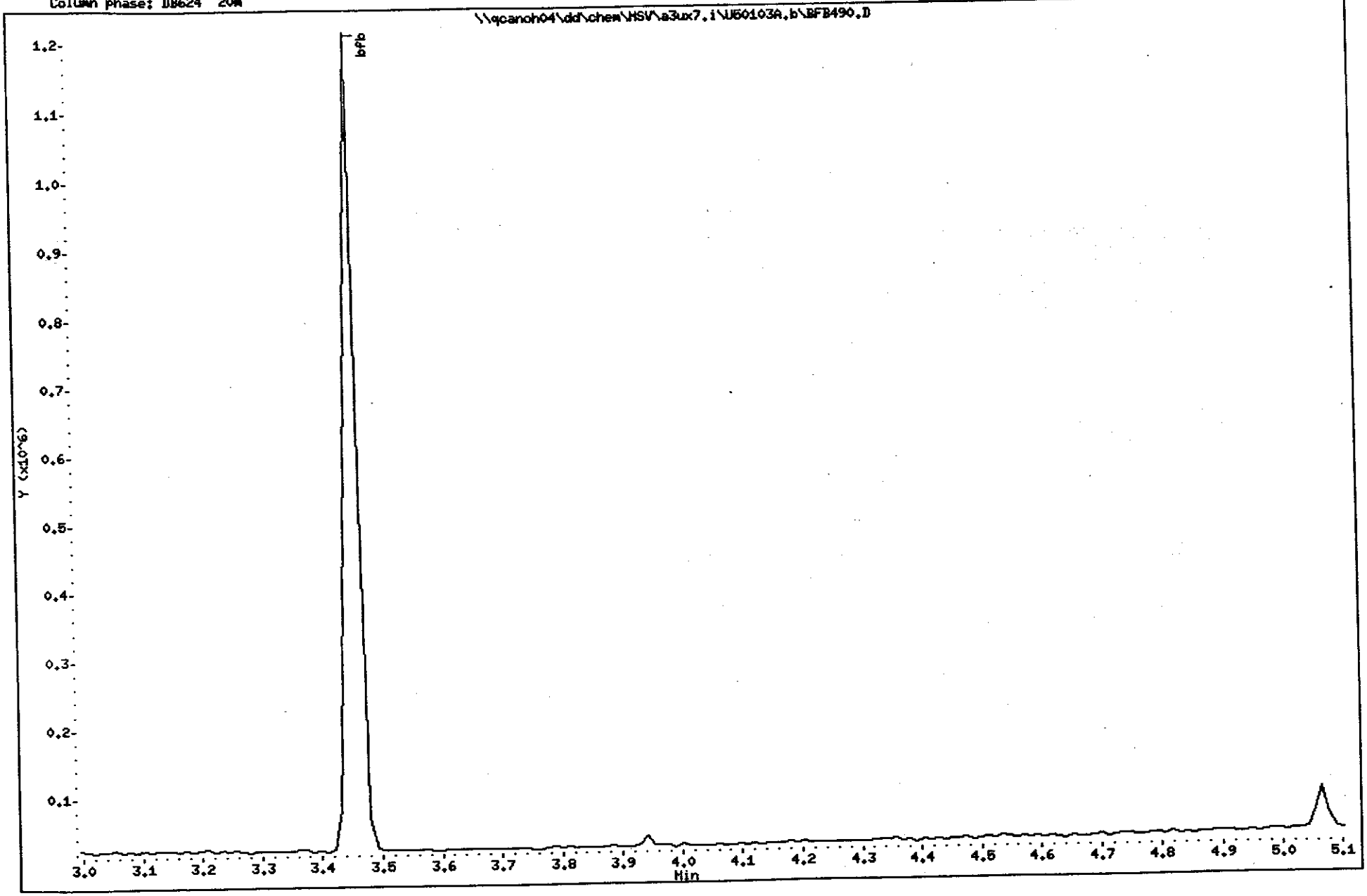
Column diameter: 0.18

Data File: BFB490.D
Spectrum: HP ChemStation MS data.ms, Scan 39: 3.445 min.
Location of Maximum: 95.05
Number of points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.05	1545	55.05	775	72.95	6662	94.05	14598
37.05	6827	56.05	1854	74.05	20680	95.05	137088
38.05	5415	57.05	3553	75.05	65472	96.05	9907
39.05	2455	59.95	1391	76.05	5747	116.95	533
39.95	9893	60.95	5743	77.15	1038	118.95	613
41.05	697	62.05	6169	77.95	626	141.05	669
44.05	10116	63.05	5112	78.95	2725	142.85	743
45.15	1317	64.05	699	79.95	659	171.85	724
47.05	2685	64.95	1021	80.95	3140	173.95	74368
47.95	891	67.05	578	86.95	6894	174.95	5763
49.05	5349	68.05	13649	87.95	6015	175.95	74520
50.05	25688	68.95	13587	90.95	607	176.85	5090
51.05	8250	69.95	1450	91.95	3369	206.95	1078
52.15	519	71.95	614	93.05	4735		

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U60103A.b\BFB490.D
Date : 03-JAN-2005 08:53
Client ID: 50NGBFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G13E21AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5A030000-269 G13E21AD-LCSD
Prep Date.....: 12/30/04 **Analysis Date..:** 12/30/04
Prep Batch #...: 5003269
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	79	(22 - 200)			SW846 8260B
	86	(22 - 200)	8.7	(0-95)	SW846 8260B
Benzene	**110**	**(80 - 116)**			**SW846 8260B**
	103	**(80 - 116)**	**6.3**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	112	(87 - 130)			SW846 8260B
	103	(87 - 130)	8.6	(0-30)	SW846 8260B
Bromoform	102	(76 - 150)			SW846 8260B
	94	(76 - 150)	8.4	(0-30)	SW846 8260B
Bromomethane	107	(64 - 129)			SW846 8260B
	100	(64 - 129)	7.0	(0-30)	SW846 8260B
2-Butanone	85	(28 - 237)			SW846 8260B
	93	(28 - 237)	9.8	(0-65)	SW846 8260B
Carbon disulfide	109	(73 - 139)			SW846 8260B
	102	(73 - 139)	6.2	(0-30)	SW846 8260B
Carbon tetrachloride	98	(75 - 149)			SW846 8260B
	96	(75 - 149)	1.8	(0-30)	SW846 8260B
Chlorobenzene	**103**	**(76 - 117)**			**SW846 8260B**
	95	**(76 - 117)**	**8.0**	**(0-20)**	**SW846 8260B**
Dichlorodifluoromethane	92	(70 - 130)			SW846 8260B
	97	(70 - 130)	5.7	(0-30)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	89	(70 - 130)			SW846 8260B
	86	(70 - 130)	3.7	(0-30)	SW846 8260B
Methyl acetate	113	(70 - 130)			SW846 8260B
	118	(70 - 130)	4.2	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	102	(70 - 130)			SW846 8260B
	98	(70 - 130)	3.4	(0-30)	SW846 8260B
Cyclohexane	85	(70 - 130)			SW846 8260B
	88	(70 - 130)	4.1	(0-30)	SW846 8260B
Methylcyclohexane	78	(70 - 130)			SW846 8260B
	84	(70 - 130)	6.7	(0-30)	SW846 8260B
Dibromochloromethane	108	(81 - 138)			SW846 8260B
	99	(81 - 138)	9.3	(0-30)	SW846 8260B
Isopropylbenzene	98	(70 - 130)			SW846 8260B
	89	(70 - 130)	9.9	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G13E21AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5A030000-269 G13E21AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,3-Dichlorobenzene	96	(70 - 130)			SW846 8260B
	90	(70 - 130)	5.8	(0-30)	SW846 8260B
Chloroethane	117	(66 - 126)			SW846 8260B
	113	(66 - 126)	3.8	(0-30)	SW846 8260B
1,4-Dichlorobenzene	102	(70 - 130)			SW846 8260B
	95	(70 - 130)	7.6	(0-30)	SW846 8260B
1,2-Dichlorobenzene	98	(70 - 130)			SW846 8260B
	92	(70 - 130)	5.8	(0-30)	SW846 8260B
1,2,4-Trichloro-benzene	82	(70 - 130)			SW846 8260B
	77	(70 - 130)	6.7	(0-30)	SW846 8260B
Chloroform	109	(84 - 128)			SW846 8260B
	101	(84 - 128)	7.9	(0-30)	SW846 8260B
Chloromethane	115	(48 - 123)			SW846 8260B
	110	(48 - 123)	5.1	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro-propane	99	(70 - 130)			SW846 8260B
	103	(70 - 130)	3.5	(0-30)	SW846 8260B
1,2-Dibromoethane	107	(70 - 130)			SW846 8260B
	99	(70 - 130)	7.7	(0-30)	SW846 8260B
1,1-Dichloroethane	116	(86 - 123)			SW846 8260B
	110	(86 - 123)	5.4	(0-30)	SW846 8260B
1,2-Dichloroethane	112	(79 - 136)			SW846 8260B
	104	(79 - 136)	7.9	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	100	(85 - 113)			SW846 8260B
	92	(85 - 113)	7.9	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	106	(79 - 120)			SW846 8260B
	100	(79 - 120)	5.6	(0-30)	SW846 8260B
1,1-Dichloroethene	**99**	**(63 - 130)**			**SW846 8260B**
	97	**(63 - 130)**	**2.5**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	103	(82 - 116)			SW846 8260B
	96	(82 - 116)	6.7	(0-30)	SW846 8260B
1,2-Dichloropropane	128 a	(82 - 115)			SW846 8260B
	115	(82 - 115)	11	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	105	(84 - 130)			SW846 8260B
	97	(84 - 130)	7.8	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	104	(84 - 130)			SW846 8260B
	98	(84 - 130)	5.8	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G13E21AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5A030000-269 G13E21AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethylbenzene	99	(86 - 116)			SW846 8260B
	90	(86 - 116)	9.5	(0-30)	SW846 8260B
2-Hexanone	76	(35 - 200)			SW846 8260B
	80	(35 - 200)	5.4	(0-52)	SW846 8260B
Methylene chloride	121 a	(78 - 118)			SW846 8260B
	114	(78 - 118)	5.7	(0-30)	SW846 8260B
4-Methyl-2-pentanone	92	(78 - 141)			SW846 8260B
	99	(78 - 141)	7.3	(0-32)	SW846 8260B
Styrene	100	(85 - 117)			SW846 8260B
	91	(85 - 117)	9.8	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	130 a	(85 - 118)			SW846 8260B
	134 a	(85 - 118)	2.9	(0-30)	SW846 8260B
Tetrachloroethene	91	(88 - 113)			SW846 8260B
	86 a	(88 - 113)	5.6	(0-30)	SW846 8260B
Toluene	**109**	**(74 - 119)**			**SW846 8260B**
	101	**(74 - 119)**	**8.0**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	95	(78 - 140)			SW846 8260B
	91	(78 - 140)	4.0	(0-30)	SW846 8260B
1,1,2-Trichloroethane	116	(83 - 122)			SW846 8260B
	106	(83 - 122)	8.4	(0-30)	SW846 8260B
Trichloroethene	**92**	**(75 - 122)**			**SW846 8260B**
	85	**(75 - 122)**	**7.5**	**(0-20)**	**SW846 8260B**
Trichlorofluoromethane	107	(70 - 130)			SW846 8260B
	109	(70 - 130)	1.1	(0-30)	SW846 8260B
Vinyl chloride	103	(61 - 120)			SW846 8260B
	97	(61 - 120)	5.6	(0-30)	SW846 8260B
Xylenes (total)	102	(87 - 116)			SW846 8260B
	93	(87 - 116)	9.4	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
	105	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
	107	(61 - 128)
Toluene-d8	109	(76 - 110)
	108	(76 - 110)
4-Bromofluorobenzene	109	(74 - 116)
	109	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G13E21AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5A030000-269 G13E21AD-LCSD
Prep Date.....: 12/30/04 **Analysis Date..:** 12/30/04
Prep Batch #...: 5003269
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acetone	10	7.9	ug/L	79		SW846 8260B
	10	8.6	ug/L	86	8.7	SW846 8260B
Benzene	**10**	**11**	**ug/L**	**110**		**SW846 8260B**
	10	**10**	**ug/L**	**103**	**6.3**	**SW846 8260B**
Bromodichloromethane	10	11	ug/L	112		SW846 8260B
	10	10	ug/L	103	8.6	SW846 8260B
Bromoform	10	10	ug/L	102		SW846 8260B
	10	9.4	ug/L	94	8.4	SW846 8260B
Bromomethane	10	11	ug/L	107		SW846 8260B
	10	10	ug/L	100	7.0	SW846 8260B
2-Butanone	10	8.5	ug/L	85		SW846 8260B
	10	9.3	ug/L	93	9.8	SW846 8260B
Carbon disulfide	10	11	ug/L	109		SW846 8260B
	10	10	ug/L	102	6.2	SW846 8260B
Carbon tetrachloride	10	9.8	ug/L	98		SW846 8260B
	10	9.6	ug/L	96	1.8	SW846 8260B
Chlorobenzene	**10**	**10**	**ug/L**	**103**		**SW846 8260B**
	10	**9.5**	**ug/L**	**95**	**8.0**	**SW846 8260B**
Dichlorodifluoromethane	10	9.2	ug/L	92		SW846 8260B
	10	9.7	ug/L	97	5.7	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	10	8.9	ug/L	89		SW846 8260B
	10	8.6	ug/L	86	3.7	SW846 8260B
Methyl acetate	10	11	ug/L	113		SW846 8260B
	10	12	ug/L	118	4.2	SW846 8260B
Methyl tert-butyl ether (MTBE)	10	10	ug/L	102		SW846 8260B
	10	9.8	ug/L	98	3.4	SW846 8260B
Cyclohexane	10	8.5	ug/L	85		SW846 8260B
	10	8.8	ug/L	88	4.1	SW846 8260B
Methylcyclohexane	10	7.8	ug/L	78		SW846 8260B
	10	8.4	ug/L	84	6.7	SW846 8260B
Dibromochloromethane	10	11	ug/L	108		SW846 8260B
	10	9.9	ug/L	99	9.3	SW846 8260B
Isopropylbenzene	10	9.8	ug/L	98		SW846 8260B
	10	8.9	ug/L	89	9.9	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G13E21AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5A030000-269 G13E21AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,3-Dichlorobenzene	10	9.6	ug/L	96		SW846 8260B
	10	9.0	ug/L	90	5.8	SW846 8260B
Chloroethane	10	12	ug/L	117		SW846 8260B
	10	11	ug/L	113	3.8	SW846 8260B
1,4-Dichlorobenzene	10	10	ug/L	102		SW846 8260B
	10	9.5	ug/L	95	7.6	SW846 8260B
1,2-Dichlorobenzene	10	9.8	ug/L	98		SW846 8260B
	10	9.2	ug/L	92	5.8	SW846 8260B
1,2,4-Trichloro-benzene	10	8.2	ug/L	82		SW846 8260B
	10	7.7	ug/L	77	6.7	SW846 8260B
Chloroform	10	11	ug/L	109		SW846 8260B
	10	10	ug/L	101	7.9	SW846 8260B
Chloromethane	10	12	ug/L	115		SW846 8260B
	10	11	ug/L	110	5.1	SW846 8260B
1,2-Dibromo-3-chloro-propane	10	9.9	ug/L	99		SW846 8260B
	10	10	ug/L	103	3.5	SW846 8260B
1,2-Dibromoethane	10	11	ug/L	107		SW846 8260B
	10	9.9	ug/L	99	7.7	SW846 8260B
1,1-Dichloroethane	10	12	ug/L	116		SW846 8260B
	10	11	ug/L	110	5.4	SW846 8260B
1,2-Dichloroethane	10	11	ug/L	112		SW846 8260B
	10	10	ug/L	104	7.9	SW846 8260B
cis-1,2-Dichloroethene	10	10	ug/L	100		SW846 8260B
	10	9.2	ug/L	92	7.9	SW846 8260B
trans-1,2-Dichloroethene	10	11	ug/L	106		SW846 8260B
	10	10	ug/L	100	5.6	SW846 8260B
1,1-Dichloroethene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**9.7**	**ug/L**	**97**	**2.5**	**SW846 8260B**
1,2-Dichloroethene (total)	20	21	ug/L	103		SW846 8260B
	20	19	ug/L	96	6.7	SW846 8260B
1,2-Dichloropropane	10	13 a	ug/L	128		SW846 8260B
	10	12	ug/L	115	11	SW846 8260B
cis-1,3-Dichloropropene	10	11	ug/L	105		SW846 8260B
	10	9.7	ug/L	97	7.8	SW846 8260B
trans-1,3-Dichloropropene	10	10	ug/L	104		SW846 8260B
	10	9.8	ug/L	98	5.8	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G13E21AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5A030000-269 G13E21AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethylbenzene	10	9.9	ug/L	99		SW846 8260B
	10	9.0	ug/L	90	9.5	SW846 8260B
2-Hexanone	10	7.6	ug/L	76		SW846 8260B
	10	8.0	ug/L	80	5.4	SW846 8260B
Methylene chloride	10	12 a	ug/L	121		SW846 8260B
	10	11	ug/L	114	5.7	SW846 8260B
4-Methyl-2-pentanone	10	9.2	ug/L	92		SW846 8260B
	10	9.9	ug/L	99	7.3	SW846 8260B
Styrene	10	10	ug/L	100		SW846 8260B
	10	9.1	ug/L	91	9.8	SW846 8260B
1,1,2,2-Tetrachloroethane	10	13 a	ug/L	130		SW846 8260B
	10	13 a	ug/L	134	2.9	SW846 8260B
Tetrachloroethene	10	9.1	ug/L	91		SW846 8260B
	10	8.6 a	ug/L	86	5.6	SW846 8260B
Toluene	**10**	**11**	**ug/L**	**109**		**SW846 8260B**
	10	**10**	**ug/L**	**101**	**8.0**	**SW846 8260B**
1,1,1-Trichloroethane	10	9.5	ug/L	95		SW846 8260B
	10	9.1	ug/L	91	4.0	SW846 8260B
1,1,2-Trichloroethane	10	12	ug/L	116		SW846 8260B
	10	11	ug/L	106	8.4	SW846 8260B
Trichloroethene	**10**	**9.2**	**ug/L**	**92**		**SW846 8260B**
	10	**8.5**	**ug/L**	**85**	**7.5**	**SW846 8260B**
Trichlorofluoromethane	10	11	ug/L	107		SW846 8260B
	10	11	ug/L	109	1.1	SW846 8260B
Vinyl chloride	10	10	ug/L	103		SW846 8260B
	10	9.7	ug/L	97	5.6	SW846 8260B
Xylenes (total)	30	31	ug/L	102		SW846 8260B
	30	28	ug/L	93	9.4	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
	105	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
	107	(61 - 128)
Toluene-d8	109	(76 - 110)
	108	(76 - 110)
4-Bromofluorobenzene	109	(74 - 116)
	109	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78510.D
Report Date: 03-Jan-2005 15:02

G13E21AC

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78510.D
Lab Smp Id: CHECK
Inj Date : 30-DEC-2004 11:37
Operator : 1904 Inst ID: a3ux7.i
Smp Info : CHECK
Misc Info : U41230A,N8260UX7-3,1-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m
Meth Date : 03-Jan-2005 14:59 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

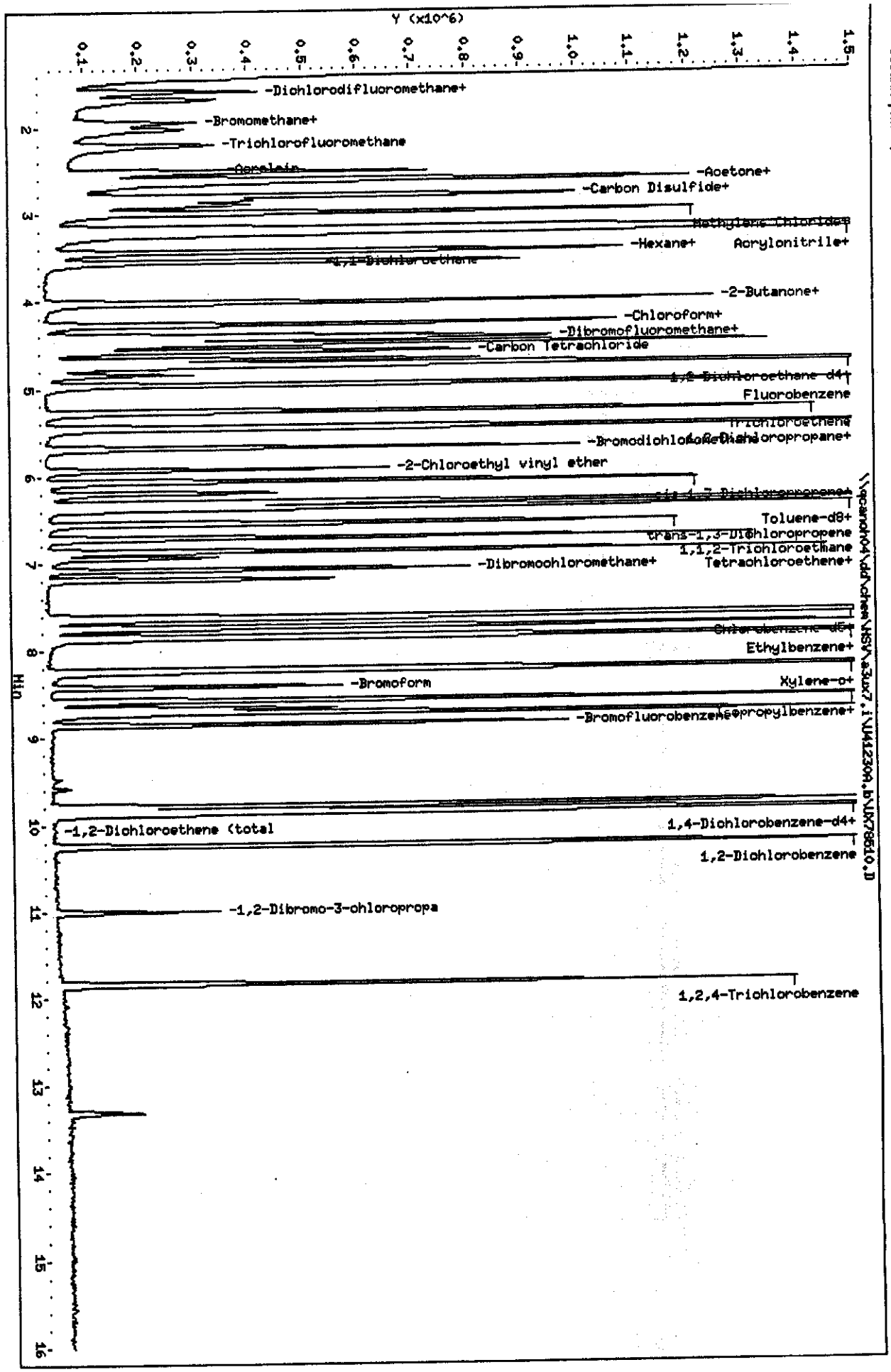
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.961	4.961	(1.000)	1599168	50.0000	
* 2 Chlorobenzene-d5	117	7.624	7.623	(1.000)	1055520	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.848	9.848	(1.000)	491886	50.0000	
$ 4 Dibromofluoromethane	113	4.393	4.393	(0.886)	477268	51.9459	10.389
$ 5 1,2-Dichloroethane-d4	65	4.677	4.677	(0.943)	557354	51.3940	10.279
$ 6 Toluene-d8	98	6.310	6.310	(0.828)	1868157	54.7437	10.949
$ 7 Bromofluorobenzene	95	8.724	8.724	(1.144)	636901	54.4023	10.880
8 Dichlorodifluoromethane	85	1.447	1.447	(0.292)	297492	46.0273	9.205
9 Chloromethane	50	1.589	1.577	(0.320)	593522	57.7007	11.540
10 Vinyl Chloride	62	1.672	1.672	(0.337)	500278	51.2798	10.256
11 Bromomethane	94	1.944	1.944	(0.392)	289845	53.5789	10.716
12 Chloroethane	64	2.015	2.015	(0.406)	366232	58.6997	11.740
13 Trichlorofluoromethane	101	2.204	2.204	(0.444)	516631	53.7371	10.747
15 Acrolein	56	2.524	2.523	(0.509)	930126	723.058	144.61
16 Acetone	43	2.642	2.642	(0.533)	200824	39.2542	7.851
17 1,1-Dichloroethene	96	2.618	2.618	(0.528)	462784	49.7014	9.940
18 Freon-113	151	2.642	2.642	(0.533)	252107	44.5158	8.903
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78510.D
Report Date: 03-Jan-2005 15:02

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.796	2.796	(0.564)	1811321	54.5085	10.902
	21 Methylene Chloride	84	2.985	2.985	(0.602)	666336	60.2805	12.056
	22 Acetonitrile	41	2.855	2.855	(0.575)	847543	755.269	151.05
	23 Acrylonitrile	53	3.174	3.174	(0.640)	2267568	632.306	126.46
	24 Methyl tert-butyl ether	73	3.222	3.222	(0.649)	1388034	50.9524	10.190
	25 trans-1,2-Dichloroethene	96	3.222	3.222	(0.649)	571247	52.9836	10.597
	26 Hexane	86	3.447	3.446	(0.695)	104665	41.6005	8.320
	27 Vinyl acetate	43	3.435	3.577	(0.692)	380655	25.0669	5.013
	28 1,1-Dichloroethane	63	3.553	3.553	(0.716)	1033963	58.2013	11.640
	29 tert-Butyl Alcohol	59	3.210	3.080	(0.647)	28342	46.2851	9.257
	30 2-Butanone	43	4.015	4.014	(0.809)	237521	42.2849	8.457
M	31 1,2-Dichloroethene (total)	96				1128645	102.875	20.575
	32 cis-1,2-dichloroethene	96	4.015	4.014	(0.809)	557398	49.8914	9.978
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.263	4.263	(0.859)	921570	54.4937	10.899
	36 Tetrahydrofuran	42	4.275	4.263	(0.862)	20448	5.53936	1.108
	37 1,1,1-Trichloroethane	97	4.441	4.440	(0.895)	641088	47.2915	9.458
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.582	4.582	(0.924)	519737	48.7780	9.756
	40 1,2-Dichloroethane	62	4.736	4.736	(0.955)	718990	56.0949	11.219
	41 Benzene	78	4.736	4.736	(0.955)	2361024	54.9839	10.997
	42 Trichloroethene	130	5.269	5.269	(1.062)	540975	45.9627	9.192
	43 1,2-Dichloropropane	63	5.458	5.458	(1.100)	630440	64.2043	12.841
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.683	5.683	(1.145)	685148	55.8798	11.176
	47 2-Chloroethyl vinyl ether	63	5.931	5.931	(1.196)	278918	50.5272	10.105
	48 cis-1,3-Dichloropropene	75	6.073	6.073	(1.224)	832549	52.5148	10.503
	49 4-Methyl-2-pentanone	43	6.204	6.192	(1.250)	378253	46.1202	9.224
	50 Toluene	91	6.369	6.369	(0.835)	2256838	54.5970	10.919
	51 trans-1,3-Dichloropropene	75	6.547	6.547	(0.859)	684163	52.1875	10.437
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.712	6.712	(0.880)	465213	57.8228	11.564
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.866	6.878	(0.901)	392137	45.5415	9.108
	56 2-Hexanone	43	6.937	6.937	(0.910)	266826	38.0846	7.617
	57 Dibromochloromethane	129	7.079	7.079	(0.929)	464802	54.0823	10.816
	58 1,2-Dibromoethane	107	7.186	7.186	(0.943)	437732	53.6842	10.737
	59 Chlorobenzene	112	7.647	7.647	(1.003)	1330762	51.3206	10.264
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.742	7.742	(1.016)	666644	49.4241	9.885
	62 m + p-Xylene	106	7.848	7.860	(1.029)	1743000	103.707	20.741
M	63 Xylenes (total)	106				2536525	153.724	30.745
	64 Xylene-o	106	8.227	8.227	(1.079)	793525	50.0177	10.004
	65 Styrene	104	8.239	8.239	(1.081)	1370363	50.2325	10.046
	66 Bromoform	173	8.416	8.416	(1.104)	287922	51.0903	10.218

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78510.D
Report Date: 03-Jan-2005 15:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
67 Isopropylbenzene	105	8.582	8.582	(1.126)	1804984	49.0454	9.809
68 1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.899)	561374	64.8485	12.970
69 1,4-Dichloro-2-butene	53	8.665	8.901	(0.880)	15398	6.24056	1.248
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.789	9.789	(0.994)	889317	47.9505	9.590
81 1,4-Dichlorobenzene	146	9.872	9.872	(1.002)	976516	51.1723	10.234
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.239	10.238	(1.040)	868763	48.8631	9.773
84 1,2-Dibromo-3-chloropropane	157	11.008	11.008	(1.118)	97522	49.5081	9.902
85 1,2,4-Trichlorobenzene	180	11.848	11.848	(1.203)	534275	41.2146	8.243
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.500	4.500	(0.907)	713512	42.2764	8.455
143 Methyl Acetate	43	2.902	2.902	(0.585)	446676	56.6170	11.323
144 Methylcyclohexane	83	5.446	5.446	(1.098)	633014	39.0794	7.816
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U412304.b\UX78510.D
Date : 30-DEC-2004 11:37
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624 20m
Operator: 1904
Column diameter: 0.18
Instrument: a3ux7.i
\\qcanoh04\dd\chem\HSV\a3ux7.i\U412304.b\UX78510.D
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
Acrolein
-Acetone+
-Carbon Disulfide+
Methylene Chloride+
-Hexane+
Acrylonitrile+
1,1-Dichloroethene
-2-Butanone+
-Chloroform+
-Dibromofluoromethane+
-Carbon Tetrachloride
1,2-Dichloroethane-d4+
Fluorobenzene
Trichloroethene
-Bromodichloromethane+
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene+
Toluene-d8+
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
-Dibromochloromethane+
Tetrachloroethene+
Chlorobenzene-d5+
Ethylbenzene+
-Bromoform
Xylene-o+
-Bromofluorobenzene+
Isopropylbenzene+
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
1,2,4-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78511.D
Report Date: 03-Jan-2005 15:03

G13E21AD

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78511.D
Lab Smp Id: CHECK
Inj Date : 30-DEC-2004 12:00
Operator : 1904 Inst ID: a3ux7.i
Smp Info : CHECK
Misc Info : U41230A,N8260UX7-3,1-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m
Meth Date : 03-Jan-2005 14:59 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

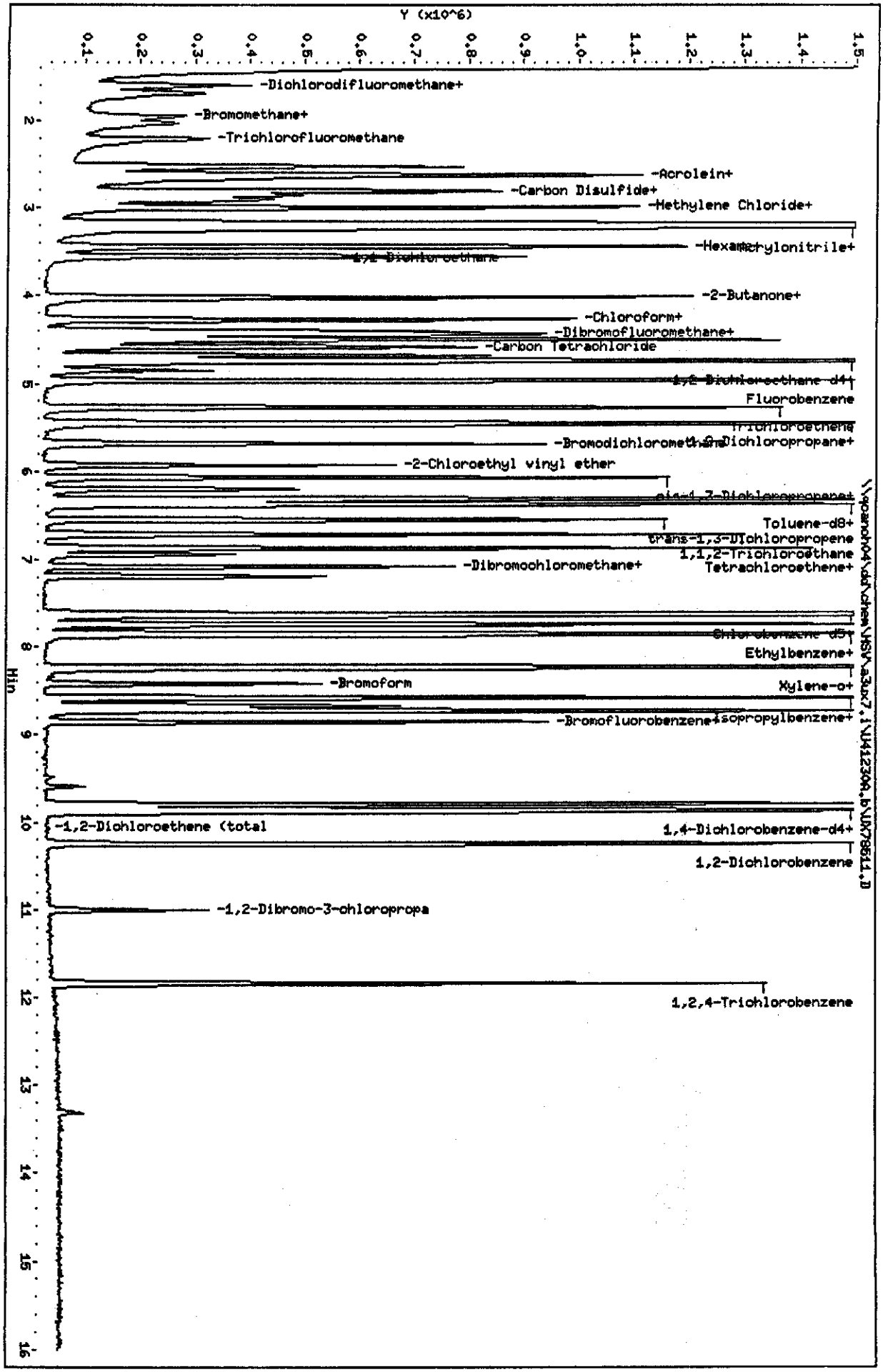
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.963	4.961	(1.000)	1640450	50.0000	
* 2 Chlorobenzene-d5	117	7.625	7.623	(1.000)	1093255	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.850	9.848	(1.000)	485669	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.393	(0.886)	494101	52.4247	10.485
$ 5 1,2-Dichloroethane-d4	65	4.679	4.677	(0.943)	593031	53.3076	10.662
$ 6 Toluene-d8	98	6.312	6.310	(0.828)	1903224	53.8462	10.769
$ 7 Bromofluorobenzene	95	8.725	8.724	(1.144)	661948	54.5901	10.918
8 Dichlorodifluoromethane	85	1.448	1.447	(0.292)	323050	48.7238	9.745
9 Chloromethane	50	1.590	1.577	(0.321)	578555	54.8302	10.966
10 Vinyl Chloride	62	1.685	1.672	(0.340)	485356	48.4983	9.700
11 Bromomethane	94	1.957	1.944	(0.394)	277181	49.9485	9.990
12 Chloroethane	64	2.028	2.015	(0.409)	361788	56.5282	11.306
13 Trichlorofluoromethane	101	2.206	2.204	(0.444)	535986	54.3474	10.869
15 Acrolein	56	2.525	2.523	(0.509)	968559	733.987	146.80
16 Acetone	43	2.643	2.642	(0.533)	220864	42.8249	8.565
17 1,1-Dichloroethene	96	2.620	2.618	(0.528)	462837	48.4562	9.691
18 Freon-113	151	2.632	2.642	(0.530)	249160	42.8883	8.578
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78511.D
Report Date: 03-Jan-2005 15:03

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.809	2.796	(0.566)	1745722	51.2124	10.242
	21 Methylene Chloride	84	2.987	2.985	(0.602)	647288	56.9413	11.388
	22 Acetonitrile	41	2.856	2.855	(0.576)	858001	745.347	149.07
	23 Acrylonitrile	53	3.176	3.174	(0.640)	2365739	643.080	128.62
	24 Methyl tert-butyl ether	73	3.223	3.222	(0.650)	1375855	49.2343	9.847
	25 trans-1,2-Dichloroethene	96	3.223	3.222	(0.650)	554297	50.1177	10.024
	26 Hexane	86	3.448	3.446	(0.695)	119310	46.2280	9.246
	27 Vinyl acetate	43	3.448	3.577	(0.695)	438951	28.1784	5.636
	28 1,1-Dichloroethane	63	3.555	3.553	(0.716)	1004719	55.1320	11.026
	29 tert-Butyl Alcohol	59	3.223	3.080	(0.650)	27237	43.3612	8.672
	30 2-Butanone	43	4.028	4.014	(0.812)	268726	46.6363	9.327
M	31 1,2-Dichloroethene (total)	96				1082620	96.2166	19.243
	32 cis-1,2-dichloroethene	96	4.016	4.014	(0.809)	528323	46.0989	9.220
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.276	4.263	(0.862)	873154	50.3315	10.066
	36 Tetrahydrofuran	42	4.276	4.263	(0.862)	25713	7.26901	1.454
	37 1,1,1-Trichloroethane	97	4.442	4.440	(0.895)	631900	45.4407	9.088
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.584	4.582	(0.924)	523838	47.9257	9.585
	40 1,2-Dichloroethane	62	4.738	4.736	(0.955)	681427	51.8264	10.365
	41 Benzene	78	4.738	4.736	(0.955)	2274575	51.6376	10.328
	42 Trichloroethene	130	5.270	5.269	(1.062)	514595	42.6211	8.524
	43 1,2-Dichloropropane	63	5.460	5.458	(1.100)	581052	57.6855	11.537
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.684	5.683	(1.145)	644704	51.2580	10.252
	47 2-Chloroethyl vinyl ether	63	5.933	5.931	(1.196)	283661	50.0932	10.019
	48 cis-1,3-Dichloropropene	75	6.063	6.073	(1.222)	790073	48.5814	9.716
	49 4-Methyl-2-pentanone	43	6.205	6.192	(1.250)	417583	49.6344	9.927
	50 Toluene	91	6.371	6.369	(0.836)	2158521	50.4162	10.083
	51 trans-1,3-Dichloropropene	75	6.548	6.547	(0.859)	668553	49.2365	9.847
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.714	6.712	(0.881)	443166	53.1812	10.636
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.868	6.878	(0.901)	384215	43.0813	8.616
	56 2-Hexanone	43	6.939	6.937	(0.910)	291743	40.2037	8.041
	57 Dibromochloromethane	129	7.081	7.079	(0.929)	438697	49.2829	9.856
	58 1,2-Dibromoethane	107	7.187	7.186	(0.943)	419871	49.7164	9.943
	59 Chlorobenzene	112	7.649	7.647	(1.003)	1271686	47.3496	9.470
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.743	7.742	(1.016)	627681	44.9292	8.986
	62 m + p-Xylene	106	7.850	7.860	(1.029)	1644136	94.4478	18.890
M	63 Xylenes (total)	106				2391854	139.951	27.990
	64 Xylene-o	106	8.228	8.227	(1.079)	747718	45.5036	9.101
	65 Styrene	104	8.240	8.239	(1.081)	1286263	45.5223	9.104
	66 Bromoform	173	8.418	8.416	(1.104)	274304	46.9939	9.399

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78511.D
Report Date: 03-Jan-2005 15:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.583	8.582	(1.126)	1693016	44.4151	8.883
68 1,1,2,2-Tetrachloroethane	83	8.856	8.854	(0.899)	570769	66.7778	13.356
69 1,4-Dichloro-2-butene	53	8.666	8.901	(0.880)	17981	7.38070	1.476
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.790	9.789	(0.994)	828594	45.2483	9.050
81 1,4-Dichlorobenzene	146	9.873	9.872	(1.002)	893913	47.4433	9.489
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.240	10.238	(1.040)	809178	46.0944	9.219
84 1,2-Dibromo-3-chloropropane	157	11.009	11.008	(1.118)	99736	51.2802	10.256
85 1,2,4-Trichlorobenzene	180	11.837	11.848	(1.202)	493087	38.5242	7.705
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.501	4.500	(0.907)	762763	44.0572	8.811
143 Methyl Acetate	43	2.904	2.902	(0.585)	477735	59.0299	11.806
144 Methylcyclohexane	83	5.448	5.446	(1.098)	694451	41.7934	8.359
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					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Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
0.1
0.2
0.3
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15
16
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Carbon Disulfide+
-Methylene Chloride+
-Hexanenitrylonitrile+
-2-Butanone+
-Chloroform+
-Dibromofluoromethane+
-Carbon Tetrachloride
Fluorobenzene
-Bromodichloromethane
-2-Chloroethyl vinyl ether
Toluene-d8+
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
-Dibromochloromethane+
Tetrachloroethene+
Ethylbenzene+
-Bromoform
Xylene-o+
-Bromofluorobenzene+
Isopropylbenzene+
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
1,2,4-Trichlorobenzene
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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G15071AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5A050000-223 G15071AD-LCSD
Prep Date.....: 01/03/05 **Analysis Date..:** 01/03/05
Prep Batch #...: 5005223
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	82	(22 - 200)			SW846 8260B
	86	(22 - 200)	4.6	(0-95)	SW846 8260B
Benzene	**100**	**(80 - 116)**			**SW846 8260B**
	106	**(80 - 116)**	**5.5**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	99	(87 - 130)			SW846 8260B
	105	(87 - 130)	5.5	(0-30)	SW846 8260B
Bromoform	106	(76 - 150)			SW846 8260B
	111	(76 - 150)	4.8	(0-30)	SW846 8260B
Bromomethane	102	(64 - 129)			SW846 8260B
	103	(64 - 129)	1.5	(0-30)	SW846 8260B
2-Butanone	77	(28 - 237)			SW846 8260B
	79	(28 - 237)	2.9	(0-65)	SW846 8260B
Carbon disulfide	96	(73 - 139)			SW846 8260B
	100	(73 - 139)	4.2	(0-30)	SW846 8260B
Carbon tetrachloride	95	(75 - 149)			SW846 8260B
	97	(75 - 149)	2.5	(0-30)	SW846 8260B
Chlorobenzene	**97**	**(76 - 117)**			**SW846 8260B**
	100	**(76 - 117)**	**4.0**	**(0-20)**	**SW846 8260B**
Dichlorodifluoromethane	87	(70 - 130)			SW846 8260B
	92	(70 - 130)	5.3	(0-30)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	94	(70 - 130)			SW846 8260B
	97	(70 - 130)	3.3	(0-30)	SW846 8260B
Methyl acetate	102	(70 - 130)			SW846 8260B
	105	(70 - 130)	3.8	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	95	(70 - 130)			SW846 8260B
	100	(70 - 130)	5.6	(0-30)	SW846 8260B
Cyclohexane	78	(70 - 130)			SW846 8260B
	80	(70 - 130)	2.2	(0-30)	SW846 8260B
Methylcyclohexane	81	(70 - 130)			SW846 8260B
	82	(70 - 130)	1.3	(0-30)	SW846 8260B
Dibromochloromethane	102	(81 - 138)			SW846 8260B
	106	(81 - 138)	3.4	(0-30)	SW846 8260B
Isopropylbenzene	93	(70 - 130)			SW846 8260B
	99	(70 - 130)	5.7	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G15071AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5A050000-223 G15071AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,3-Dichlorobenzene	91	(70 - 130)			SW846 8260B
	96	(70 - 130)	4.8	(0-30)	SW846 8260B
Chloroethane	101	(66 - 126)			SW846 8260B
	108	(66 - 126)	6.0	(0-30)	SW846 8260B
1,4-Dichlorobenzene	95	(70 - 130)			SW846 8260B
	99	(70 - 130)	4.1	(0-30)	SW846 8260B
1,2-Dichlorobenzene	90	(70 - 130)			SW846 8260B
	94	(70 - 130)	4.7	(0-30)	SW846 8260B
1,2,4-Trichloro-benzene	80	(70 - 130)			SW846 8260B
	84	(70 - 130)	4.9	(0-30)	SW846 8260B
Chloroform	96	(84 - 128)			SW846 8260B
	102	(84 - 128)	5.5	(0-30)	SW846 8260B
Chloromethane	95	(48 - 123)			SW846 8260B
	101	(48 - 123)	6.3	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro-propane	100	(70 - 130)			SW846 8260B
	104	(70 - 130)	3.9	(0-30)	SW846 8260B
1,2-Dibromoethane	98	(70 - 130)			SW846 8260B
	104	(70 - 130)	6.6	(0-30)	SW846 8260B
1,1-Dichloroethane	101	(86 - 123)			SW846 8260B
	106	(86 - 123)	4.7	(0-30)	SW846 8260B
1,2-Dichloroethane	95	(79 - 136)			SW846 8260B
	99	(79 - 136)	4.0	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	93	(85 - 113)			SW846 8260B
	97	(85 - 113)	4.6	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	98	(79 - 120)			SW846 8260B
	104	(79 - 120)	6.1	(0-30)	SW846 8260B
1,1-Dichloroethene	**95**	**(63 - 130)**			**SW846 8260B**
	98	**(63 - 130)**	**3.3**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	95	(82 - 116)			SW846 8260B
	101	(82 - 116)	5.3	(0-30)	SW846 8260B
1,2-Dichloropropane	107	(82 - 115)			SW846 8260B
	112	(82 - 115)	4.2	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	94	(84 - 130)			SW846 8260B
	100	(84 - 130)	5.8	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	93	(84 - 130)			SW846 8260B
	98	(84 - 130)	4.8	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G15071AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5A050000-223 G15071AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethylbenzene	92	(86 - 116)			SW846 8260B
	98	(86 - 116)	5.9	(0-30)	SW846 8260B
2-Hexanone	65	(35 - 200)			SW846 8260B
	70	(35 - 200)	6.8	(0-52)	SW846 8260B
Methylene chloride	100	(78 - 118)			SW846 8260B
	104	(78 - 118)	4.0	(0-30)	SW846 8260B
4-Methyl-2-pentanone	83	(78 - 141)			SW846 8260B
	91	(78 - 141)	9.1	(0-32)	SW846 8260B
Styrene	92	(85 - 117)			SW846 8260B
	98	(85 - 117)	6.3	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	111	(85 - 118)			SW846 8260B
	113	(85 - 118)	1.7	(0-30)	SW846 8260B
Tetrachloroethene	91	(88 - 113)			SW846 8260B
	94	(88 - 113)	4.2	(0-30)	SW846 8260B
Toluene	**99**	**(74 - 119)**			**SW846 8260B**
	104	**(74 - 119)**	**4.8**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	90	(78 - 140)			SW846 8260B
	91	(78 - 140)	2.0	(0-30)	SW846 8260B
1,1,2-Trichloroethane	103	(83 - 122)			SW846 8260B
	109	(83 - 122)	6.0	(0-30)	SW846 8260B
Trichloroethene	**90**	**(75 - 122)**			**SW846 8260B**
	95	**(75 - 122)**	**5.5**	**(0-20)**	**SW846 8260B**
Trichlorofluoromethane	102	(70 - 130)			SW846 8260B
	104	(70 - 130)	2.5	(0-30)	SW846 8260B
Vinyl chloride	88	(61 - 120)			SW846 8260B
	93	(61 - 120)	5.4	(0-30)	SW846 8260B
Xylenes (total)	96	(87 - 116)			SW846 8260B
	101	(87 - 116)	4.5	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
	102	(73 - 122)
1,2-Dichloroethane-d4	92	(61 - 128)
	99	(61 - 128)
Toluene-d8	104	(76 - 110)
	105	(76 - 110)
4-Bromofluorobenzene	105	(74 - 116)
	106	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G15071AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5A050000-223 G15071AD-LCSD
Prep Date.....: 01/03/05 **Analysis Date..:** 01/03/05
Prep Batch #...: 5005223
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acetone	10	8.2	ug/L	82		SW846 8260B
	10	8.6	ug/L	86	4.6	SW846 8260B
Benzene	**10**	**10**	**ug/L**	**100**		**SW846 8260B**
	10	**11**	**ug/L**	**106**	**5.5**	**SW846 8260B**
Bromodichloromethane	10	9.9	ug/L	99		SW846 8260B
	10	10	ug/L	105	5.5	SW846 8260B
Bromoform	10	11	ug/L	106		SW846 8260B
	10	11	ug/L	111	4.8	SW846 8260B
Bromomethane	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	103	1.5	SW846 8260B
2-Butanone	10	7.7	ug/L	77		SW846 8260B
	10	7.9	ug/L	79	2.9	SW846 8260B
Carbon disulfide	10	9.6	ug/L	96		SW846 8260B
	10	10	ug/L	100	4.2	SW846 8260B
Carbon tetrachloride	10	9.5	ug/L	95		SW846 8260B
	10	9.7	ug/L	97	2.5	SW846 8260B
Chlorobenzene	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**4.0**	**SW846 8260B**
Dichlorodifluoromethane	10	8.7	ug/L	87		SW846 8260B
	10	9.2	ug/L	92	5.3	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	10	9.4	ug/L	94		SW846 8260B
	10	9.7	ug/L	97	3.3	SW846 8260B
Methyl acetate	10	10	ug/L	102		SW846 8260B
	10	11	ug/L	105	3.8	SW846 8260B
Methyl tert-butyl ether (MTBE)	10	9.5	ug/L	95		SW846 8260B
	10	10	ug/L	100	5.6	SW846 8260B
Cyclohexane	10	7.8	ug/L	78		SW846 8260B
	10	8.0	ug/L	80	2.2	SW846 8260B
Methylcyclohexane	10	8.1	ug/L	81		SW846 8260B
	10	8.2	ug/L	82	1.3	SW846 8260B
Dibromochloromethane	10	10	ug/L	102		SW846 8260B
	10	11	ug/L	106	3.4	SW846 8260B
Isopropylbenzene	10	9.3	ug/L	93		SW846 8260B
	10	9.9	ug/L	99	5.7	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G15071AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5A050000-223 G15071AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,3-Dichlorobenzene	10	9.1	ug/L	91		SW846 8260B
	10	9.6	ug/L	96	4.8	SW846 8260B
Chloroethane	10	10	ug/L	101		SW846 8260B
	10	11	ug/L	108	6.0	SW846 8260B
1,4-Dichlorobenzene	10	9.5	ug/L	95		SW846 8260B
	10	9.9	ug/L	99	4.1	SW846 8260B
1,2-Dichlorobenzene	10	9.0	ug/L	90		SW846 8260B
	10	9.4	ug/L	94	4.7	SW846 8260B
1,2,4-Trichloro-benzene	10	8.0	ug/L	80		SW846 8260B
	10	8.4	ug/L	84	4.9	SW846 8260B
Chloroform	10	9.6	ug/L	96		SW846 8260B
	10	10	ug/L	102	5.5	SW846 8260B
Chloromethane	10	9.5	ug/L	95		SW846 8260B
	10	10	ug/L	101	6.3	SW846 8260B
1,2-Dibromo-3-chloro-propane	10	10	ug/L	100		SW846 8260B
	10	10	ug/L	104	3.9	SW846 8260B
1,2-Dibromoethane	10	9.8	ug/L	98		SW846 8260B
	10	10	ug/L	104	6.6	SW846 8260B
1,1-Dichloroethane	10	10	ug/L	101		SW846 8260B
	10	11	ug/L	106	4.7	SW846 8260B
1,2-Dichloroethane	10	9.5	ug/L	95		SW846 8260B
	10	9.9	ug/L	99	4.0	SW846 8260B
cis-1,2-Dichloroethene	10	9.3	ug/L	93		SW846 8260B
	10	9.7	ug/L	97	4.6	SW846 8260B
trans-1,2-Dichloroethene	10	9.8	ug/L	98		SW846 8260B
	10	10	ug/L	104	6.1	SW846 8260B
1,1-Dichloroethene	**10**	**9.5**	**ug/L**	**95**		**SW846 8260B**
	10	**9.8**	**ug/L**	**98**	**3.3**	**SW846 8260B**
1,2-Dichloroethene (total)	20	19	ug/L	95		SW846 8260B
	20	20	ug/L	101	5.3	SW846 8260B
1,2-Dichloropropane	10	11	ug/L	107		SW846 8260B
	10	11	ug/L	112	4.2	SW846 8260B
cis-1,3-Dichloropropene	10	9.4	ug/L	94		SW846 8260B
	10	10	ug/L	100	5.8	SW846 8260B
trans-1,3-Dichloropropene	10	9.3	ug/L	93		SW846 8260B
	10	9.8	ug/L	98	4.8	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G15071AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5A050000-223 G15071AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethylbenzene	10	9.2	ug/L	92		SW846 8260B
	10	9.8	ug/L	98	5.9	SW846 8260B
2-Hexanone	10	6.5	ug/L	65		SW846 8260B
	10	7.0	ug/L	70	6.8	SW846 8260B
Methylene chloride	10	10	ug/L	100		SW846 8260B
	10	10	ug/L	104	4.0	SW846 8260B
4-Methyl-2-pentanone	10	8.3	ug/L	83		SW846 8260B
	10	9.1	ug/L	91	9.1	SW846 8260B
Styrene	10	9.2	ug/L	92		SW846 8260B
	10	9.8	ug/L	98	6.3	SW846 8260B
1,1,2,2-Tetrachloroethane	10	11	ug/L	111		SW846 8260B
	10	11	ug/L	113	1.7	SW846 8260B
Tetrachloroethene	10	9.1	ug/L	91		SW846 8260B
	10	9.4	ug/L	94	4.2	SW846 8260B
Toluene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**10**	**ug/L**	**104**	**4.8**	**SW846 8260B**
1,1,1-Trichloroethane	10	9.0	ug/L	90		SW846 8260B
	10	9.1	ug/L	91	2.0	SW846 8260B
1,1,2-Trichloroethane	10	10	ug/L	103		SW846 8260B
	10	11	ug/L	109	6.0	SW846 8260B
Trichloroethene	**10**	**9.0**	**ug/L**	**90**		**SW846 8260B**
	10	**9.5**	**ug/L**	**95**	**5.5**	**SW846 8260B**
Trichlorofluoromethane	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	104	2.5	SW846 8260B
Vinyl chloride	10	8.8	ug/L	88		SW846 8260B
	10	9.3	ug/L	93	5.4	SW846 8260B
Xylenes (total)	30	29	ug/L	96		SW846 8260B
	30	30	ug/L	101	4.5	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
	102	(73 - 122)
1,2-Dichloroethane-d4	92	(61 - 128)
	99	(61 - 128)
Toluene-d8	104	(76 - 110)
	105	(76 - 110)
4-Bromofluorobenzene	105	(74 - 116)
	106	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78539.D
Report Date: 04-Jan-2005 09:51

STL North Canton

G15071AC

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78539.D
Lab Smp Id: CHECK
Inj Date : 03-JAN-2005 09:59
Operator : 1904 Inst ID: a3ux7.i
Smp Info : CHECK
Misc Info : U50103A,N8260UX7-3,1-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m
Meth Date : 04-Jan-2005 09:50 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.962	4.961	(1.000)	1268532	50.0000	
* 2 Chlorobenzene-d5	117	7.624	7.624	(1.000)	869104	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.849	9.848	(1.000)	426874	50.0000	
$ 4 Dibromofluoromethane	113	4.405	4.393	(0.888)	370399	50.8220	10.164
$ 5 1,2-Dichloroethane-d4	65	4.678	4.677	(0.943)	395509	45.9759	9.195
$ 6 Toluene-d8	98	6.310	6.310	(0.828)	1459554	51.9440	10.389
$ 7 Bromofluorobenzene	95	8.724	8.724	(1.144)	507934	52.6923	10.538
8 Dichlorodifluoromethane	85	1.447	1.447	(0.292)	224277	43.7439	8.749
9 Chloromethane	50	1.589	1.589	(0.320)	386275	47.3406	9.468
10 Vinyl Chloride	62	1.684	1.684	(0.339)	339904	43.9222	8.784
11 Bromomethane	94	1.944	1.944	(0.392)	217945	50.7887	10.158
12 Chloroethane	64	2.027	2.027	(0.409)	250707	50.6569	10.131
13 Trichlorofluoromethane	101	2.205	2.204	(0.444)	387849	50.8568	10.171
15 Acrolein	56	2.524	2.524	(0.509)	333511	326.839	65.368
16 Acetone	43	2.642	2.642	(0.533)	165658	41.2296	8.246
17 1,1-Dichloroethene	96	2.619	2.619	(0.528)	349571	47.3280	9.466
18 Freon-113	151	2.642	2.642	(0.533)	211633	47.1092	9.422
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78539.D
Report Date: 04-Jan-2005 09:51

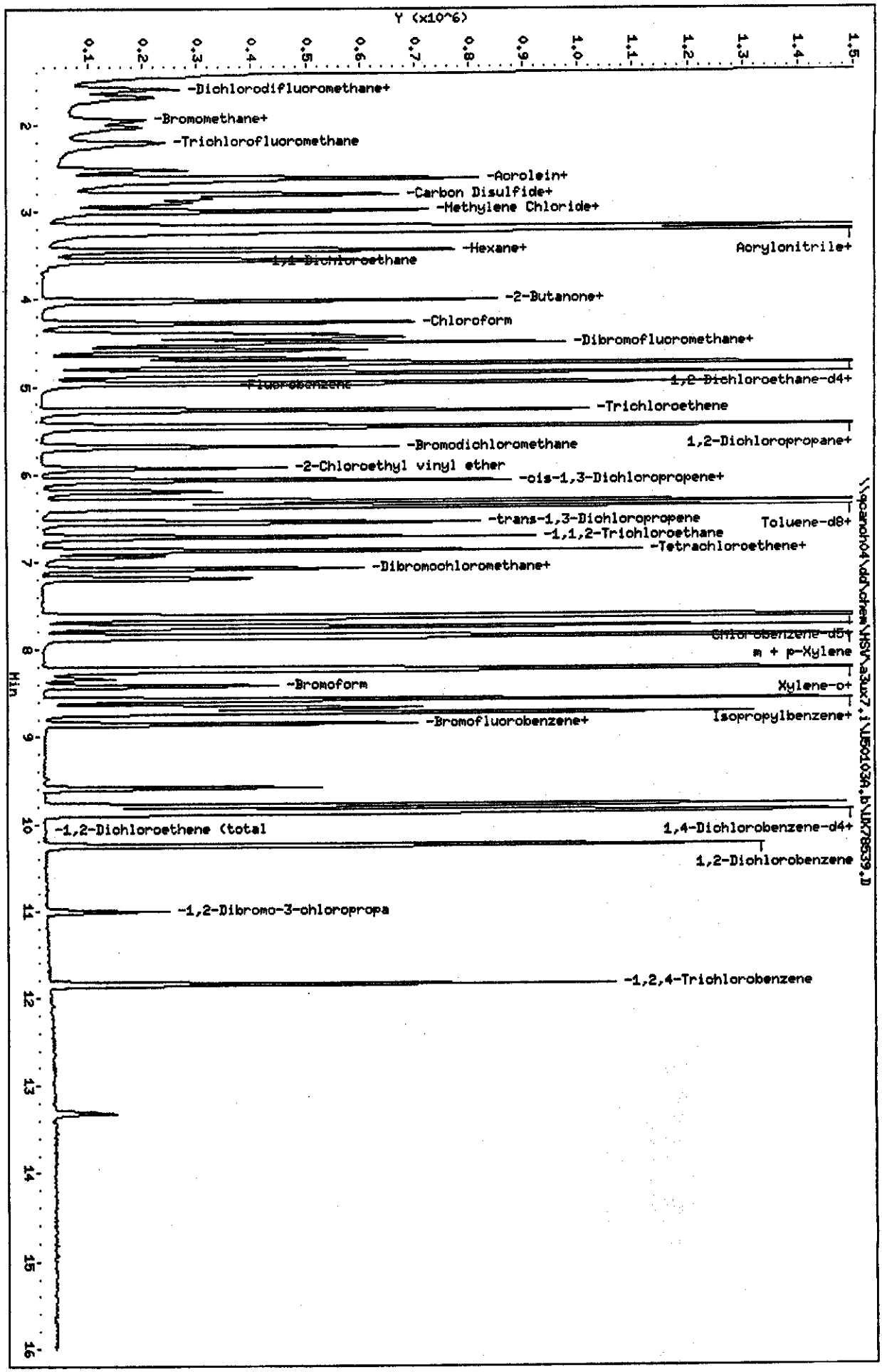
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
20 Carbon Disulfide	76	2.808	2.808	(0.566)	1270376	48.1941	9.639
21 Methylene Chloride	84	2.997	2.985	(0.604)	440219	49.7559	9.951
22 Acetonitrile	41	2.855	2.855	(0.576)	568850	639.043	127.81
23 Acrylonitrile	53	3.175	3.175	(0.640)	1644072	577.937	115.59
24 Methyl tert-butyl ether	73	3.222	3.222	(0.649)	1022061	47.2970	9.459
25 trans-1,2-Dichloroethene	96	3.222	3.222	(0.649)	418595	48.9446	9.789
26 Hexane	86	3.447	3.447	(0.695)	86175	43.1789	8.636
27 Vinyl acetate	43	3.447	3.577	(0.695)	280111	23.2537	4.651
28 1,1-Dichloroethane	63	3.553	3.553	(0.716)	709386	50.3388	10.068
29 tert-Butyl Alcohol	59	3.222	3.080	(0.649)	17027	35.0543	7.011
30 2-Butanone	43	4.027	4.015	(0.812)	171133	38.4070	7.681
M 31 1,2-Dichloroethene (total)	96				830660	95.4409	19.088
32 cis-1,2-dichloroethene	96	4.015	4.015	(0.809)	412065	46.4963	9.299
33 2,2-Dichloropropane	77	Compound Not Detected.					
34 Bromochloromethane	128	Compound Not Detected.					
35 Chloroform	83	4.275	4.263	(0.862)	644995	48.0803	9.616
36 Tetrahydrofuran	42	Compound Not Detected.					
37 1,1,1-Trichloroethane	97	4.441	4.441	(0.895)	481452	44.7725	8.954
38 1,1-Dichloropropene	75	Compound Not Detected.					
39 Carbon Tetrachloride	117	4.583	4.583	(0.924)	401566	47.5106	9.502
40 1,2-Dichloroethane	62	4.737	4.737	(0.955)	484336	47.6365	9.527
41 Benzene	78	4.737	4.737	(0.955)	1710814	50.2262	10.045
42 Trichloroethene	130	5.281	5.269	(1.064)	419330	44.9135	8.983
43 1,2-Dichloropropane	63	5.459	5.458	(1.100)	418644	53.7475	10.749
44 1,4-Dioxane	88	Compound Not Detected.					
45 Dibromomethane	93	Compound Not Detected.					
46 Bromodichloromethane	83	5.683	5.683	(1.145)	482791	49.6389	9.928
47 2-Chloroethyl vinyl ether	63	5.932	5.932	(1.196)	203929	46.5715	9.314
48 cis-1,3-Dichloropropene	75	6.074	6.074	(1.224)	592938	47.1492	9.430
49 4-Methyl-2-pentanone	43	6.204	6.192	(1.250)	271511	41.7339	8.347
50 Toluene	91	6.370	6.370	(0.835)	1681370	49.4000	9.880
51 trans-1,3-Dichloropropene	75	6.547	6.547	(0.859)	502226	46.5265	9.305
52 Ethyl Methacrylate	69	Compound Not Detected.					
53 1,1,2-Trichloroethane	97	6.713	6.713	(0.881)	340932	51.4647	10.293
54 1,3-Dichloropropane	76	Compound Not Detected.					
55 Tetrachloroethene	164	6.878	6.878	(0.902)	321035	45.2810	9.056
56 2-Hexanone	43	6.938	6.937	(0.910)	188913	32.7474	6.549
57 Dibromochloromethane	129	7.080	7.079	(0.929)	362095	51.1687	10.234
58 1,2-Dibromoethane	107	7.186	7.198	(0.943)	327876	48.8363	9.767
59 Chlorobenzene	112	7.648	7.647	(1.003)	1030506	48.2654	9.653
60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
61 Ethylbenzene	106	7.742	7.742	(1.016)	512446	46.1411	9.228
62 m + p-Xylene	106	7.849	7.860	(1.029)	1346301	97.2850	19.457
M 63 Xylenes (total)	106				1961434	144.375	28.875
64 Xylene-o	106	8.227	8.227	(1.079)	615133	47.0898	9.418
65 Styrene	104	8.239	8.239	(1.081)	1034556	46.0573	9.211
66 Bromoform	173	8.417	8.417	(1.104)	245357	52.8758	10.575

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78539.D
Report Date: 04-Jan-2005 09:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.582	8.582	(1.126)	1411184	46.5697	9.314
68 1,1,2,2-Tetrachloroethane	83	8.855	8.854	(0.899)	418026	55.6436	11.129
69 1,4-Dichloro-2-butene	53	8.665	8.902	(0.880)	15858	7.40581	1.481
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.789	9.789	(0.994)	735357	45.6878	9.138
81 1,4-Dichlorobenzene	146	9.872	9.872	(1.002)	783811	47.3295	9.466
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.239	10.239	(1.040)	693847	44.9685	8.994
84 1,2-Dibromo-3-chloropropane	157	11.008	11.008	(1.118)	85608	50.0787	10.016
85 1,2,4-Trichlorobenzene	180	11.848	11.848	(1.203)	452456	40.2186	8.044
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.500	4.500	(0.907)	525431	39.2468	7.849
143 Methyl Acetate	43	2.903	2.902	(0.585)	317793	50.7798	10.156
144 Methylcyclohexane	83	5.447	5.447	(1.098)	518726	40.3706	8.074
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanch04\dd\chem\HSV\a3ux7.i\U501036.b\UX78539.D
Date : 03-JAN-2005 09:59
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78540.D
Report Date: 04-Jan-2005 09:52

STL North Canton

G15071AD

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78540.D
Lab Smp Id: CHECK
Inj Date : 03-JAN-2005 10:22
Operator : 1904 Inst ID: a3ux7.i
Smp Info : CHECK
Misc Info : U50103A,N8260UX7-3,1-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m
Meth Date : 04-Jan-2005 09:50 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.961	4.961	(1.000)	1251896	50.0000	
* 2 Chlorobenzene-d5	117	7.623	7.624	(1.000)	859845	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.848	9.848	(1.000)	429711	50.0000	
$ 4 Dibromofluoromethane	113	4.393	4.393	(0.886)	368107	51.1787	10.236
$ 5 1,2-Dichloroethane-d4	65	4.677	4.677	(0.943)	421157	49.6079	9.922
$ 6 Toluene-d8	98	6.310	6.310	(0.828)	1455197	52.3466	10.469
$ 7 Bromofluorobenzene	95	8.724	8.724	(1.144)	507697	53.2349	10.647
8 Dichlorodifluoromethane	85	1.447	1.447	(0.292)	233437	46.1356	9.227
9 Chloromethane	50	1.589	1.589	(0.320)	405877	50.4039	10.081
10 Vinyl Chloride	62	1.671	1.684	(0.337)	354140	46.3698	9.274
11 Bromomethane	94	1.944	1.944	(0.392)	218302	51.5480	10.310
12 Chloroethane	64	2.026	2.027	(0.409)	262666	53.7786	10.756
13 Trichlorofluoromethane	101	2.204	2.204	(0.444)	392513	52.1524	10.430
15 Acrolein	56	2.523	2.524	(0.509)	340946	338.566	67.713
16 Acetone	43	2.642	2.642	(0.533)	169666	43.1762	8.635
17 1,1-Dichloroethene	96	2.618	2.619	(0.528)	356476	48.9042	9.781
18 Freon-113	151	2.630	2.642	(0.530)	215881	48.6933	9.739
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78540.D
Report Date: 04-Jan-2005 09:52

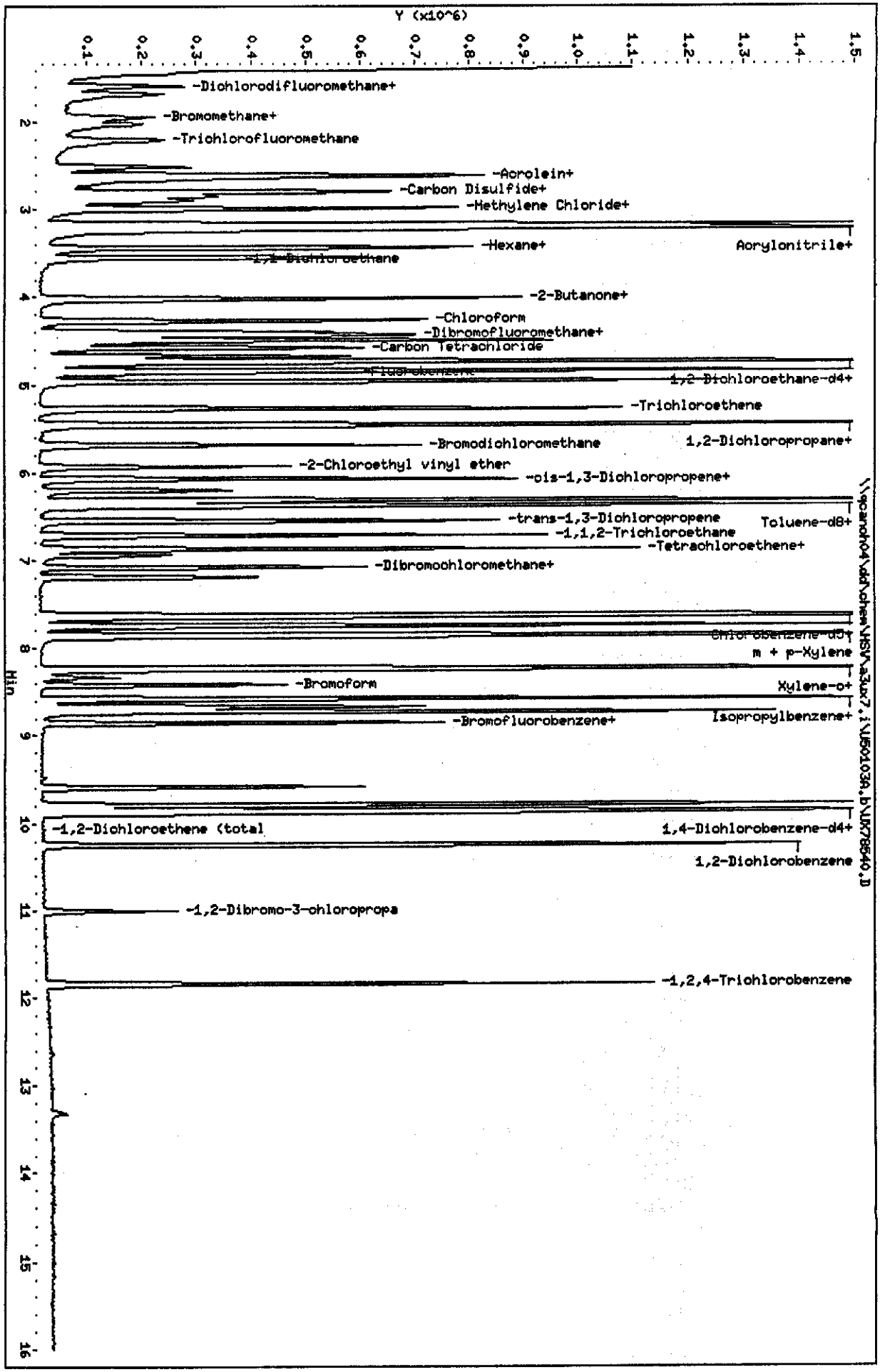
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
20 Carbon Disulfide	76	2.796	2.808	(0.564)	1307046	50.2442	10.049
21 Methylene Chloride	84	2.985	2.985	(0.602)	451041	51.7591	10.352
22 Acetonitrile	41	2.855	2.855	(0.575)	595785	678.196	135.64
23 Acrylonitrile	53	3.174	3.175	(0.640)	1705811	607.608	121.52
24 Methyl tert-butyl ether	73	3.222	3.222	(0.649)	1067049	50.0351	10.007
25 trans-1,2-Dichloroethene	96	3.222	3.222	(0.649)	438944	52.0059	10.401
26 Hexane	86	3.435	3.447	(0.692)	85267	43.2917	8.658
27 Vinyl acetate	43	3.435	3.577	(0.692)	283606	23.8567	4.771
28 1,1-Dichloroethane	63	3.553	3.553	(0.716)	733970	52.7755	10.555
29 tert-Butyl Alcohol	59	3.222	3.080	(0.649)	18280	38.1340	7.627
30 2-Butanone	43	4.026	4.015	(0.812)	173803	39.5245	7.905
M 31 1,2-Dichloroethene (total)	96				864511	100.664	20.133
32 cis-1,2-dichloroethene	96	4.014	4.015	(0.809)	425567	48.6579	9.732
33 2,2-Dichloropropane	77	Compound Not Detected.					
34 Bromochloromethane	128	Compound Not Detected.					
35 Chloroform	83	4.263	4.263	(0.859)	672639	50.8073	10.161
36 Tetrahydrofuran	42	Compound Not Detected.					
37 1,1,1-Trichloroethane	97	4.440	4.441	(0.895)	484661	45.6698	9.134
38 1,1-Dichloropropene	75	Compound Not Detected.					
39 Carbon Tetrachloride	117	4.582	4.583	(0.924)	406191	48.6964	9.739
40 1,2-Dichloroethane	62	4.736	4.737	(0.955)	497752	49.6066	9.921
41 Benzene	78	4.736	4.737	(0.955)	1783630	53.0598	10.612
42 Trichloroethene	130	5.269	5.269	(1.062)	437137	47.4430	9.488
43 1,2-Dichloropropane	63	5.458	5.458	(1.100)	430876	56.0530	11.210
44 1,4-Dioxane	88	Compound Not Detected.					
45 Dibromomethane	93	Compound Not Detected.					
46 Bromodichloromethane	83	5.683	5.683	(1.145)	503459	52.4518	10.490
47 2-Chloroethyl vinyl ether	63	5.931	5.932	(1.196)	207714	48.0662	9.613
48 cis-1,3-Dichloropropene	75	6.073	6.074	(1.224)	619847	49.9439	9.989
49 4-Methyl-2-pentanone	43	6.203	6.192	(1.250)	293637	45.7347	9.147
50 Toluene	91	6.369	6.370	(0.835)	1745534	51.8374	10.367
51 trans-1,3-Dichloropropene	75	6.547	6.547	(0.859)	521255	48.8094	9.762
52 Ethyl Methacrylate	69	Compound Not Detected.					
53 1,1,2-Trichloroethane	97	6.712	6.713	(0.880)	358198	54.6533	10.931
54 1,3-Dichloropropane	76	Compound Not Detected.					
55 Tetrachloroethene	164	6.878	6.878	(0.902)	331418	47.2489	9.450
56 2-Hexanone	43	6.937	6.937	(0.910)	200046	35.0507	7.010
57 Dibromochloromethane	129	7.079	7.079	(0.929)	370694	52.9479	10.590
58 1,2-Dibromoethane	107	7.186	7.198	(0.943)	346591	52.1798	10.436
59 Chlorobenzene	112	7.647	7.647	(1.003)	1060632	50.2114	10.042
60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
61 Ethylbenzene	106	7.742	7.742	(1.016)	537610	48.9281	9.786
62 m + p-Xylene	106	7.860	7.860	(1.031)	1389438	101.483	20.297
M 63 Xylenes (total)	106				2030325	151.073	30.214
64 Xylene-o	106	8.227	8.227	(1.079)	640887	49.5896	9.918
65 Styrene	104	8.239	8.239	(1.081)	1090125	49.0537	9.811
66 Bromoform	173	8.416	8.417	(1.104)	254639	55.4671	11.093

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78540.D
Report Date: 04-Jan-2005 09:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.582	8.582	(1.126)	1478309	49.3102	9.862
68 1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.899)	427988	56.5936	11.319
69 1,4-Dichloro-2-butene	53	8.665	8.902	(0.880)	16848	7.81620	1.563
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.789	9.789	(0.994)	776616	47.9326	9.586
81 1,4-Dichlorobenzene	146	9.872	9.872	(1.002)	822196	49.3195	9.864
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.238	10.239	(1.040)	731896	47.1213	9.424
84 1,2-Dibromo-3-chloropropane	157	11.008	11.008	(1.118)	89584	52.0585	10.412
85 1,2,4-Trichlorobenzene	180	11.848	11.848	(1.203)	478342	42.2389	8.448
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.499	4.500	(0.907)	530095	40.1214	8.024
143 Methyl Acetate	43	2.902	2.902	(0.585)	325675	52.7308	10.546
144 Methylcyclohexane	83	5.446	5.447	(1.098)	518847	40.9166	8.183
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U50103A.b\UX78540.D
Date : 03-JAN-2005 10:22
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18



METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4L230115
MB Lot-Sample #: A5A030000-269
Work Order #...: G13E21AA
Matrix.....: WATER
Prep Date.....: 12/30/04
Final Wgt/Vol..: 5 mL
Analysis Date..: 12/30/04
Prep Batch #...: 5003269
Dilution Factor: 1
Initial Wgt/Vol: 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
3-Chloropropene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	50	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutanol	ND	50	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G13E21AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.45 J**	**1.0**	**ug/L**	**SW846 8260B**
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Propionitrile	ND	4.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	111	(61 - 128)
Toluene-d8	106	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

NOTE(S):

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

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78512.D
Report Date: 03-Jan-2005 15:04

G13E21AA

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78512.D
Lab Smp Id: VBLK
Inj Date : 30-DEC-2004 12:23
Operator : 1904 Inst ID: a3ux7.i
Smp Info : VBLK,5ML/5ML
Misc Info : U41230A,N8260UX7-3,,1904,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m
Meth Date : 03-Jan-2005 14:59 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.965	4.961	(1.000)	1477538	50.0000	
* 2 Chlorobenzene-d5	117	7.615	7.623	(1.000)	972105	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.852	9.848	(1.000)	415922	50.0000	
$ 4 Dibromofluoromethane	113	4.397	4.393	(0.886)	473544	55.7834	11.157
$ 5 1,2-Dichloroethane-d4	65	4.681	4.677	(0.943)	555345	55.4242	11.085
$ 6 Toluene-d8	98	6.314	6.310	(0.829)	1659753	52.8101	10.562
$ 7 Bromofluorobenzene	95	8.727	8.724	(1.146)	494025	45.8192	9.164
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78512.D
Report Date: 03-Jan-2005 15:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	2.989	2.985	(0.602)	48371	2.26125	0.4522
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.266	4.263	(0.859)	12364	2.89271	0.5785
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	5.272	5.269	(1.062)	9917	0.91194	0.1824
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78512.D
Report Date: 03-Jan-2005 15:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78512.D
Report Date: 03-Jan-2005 15:04

STL North Canton

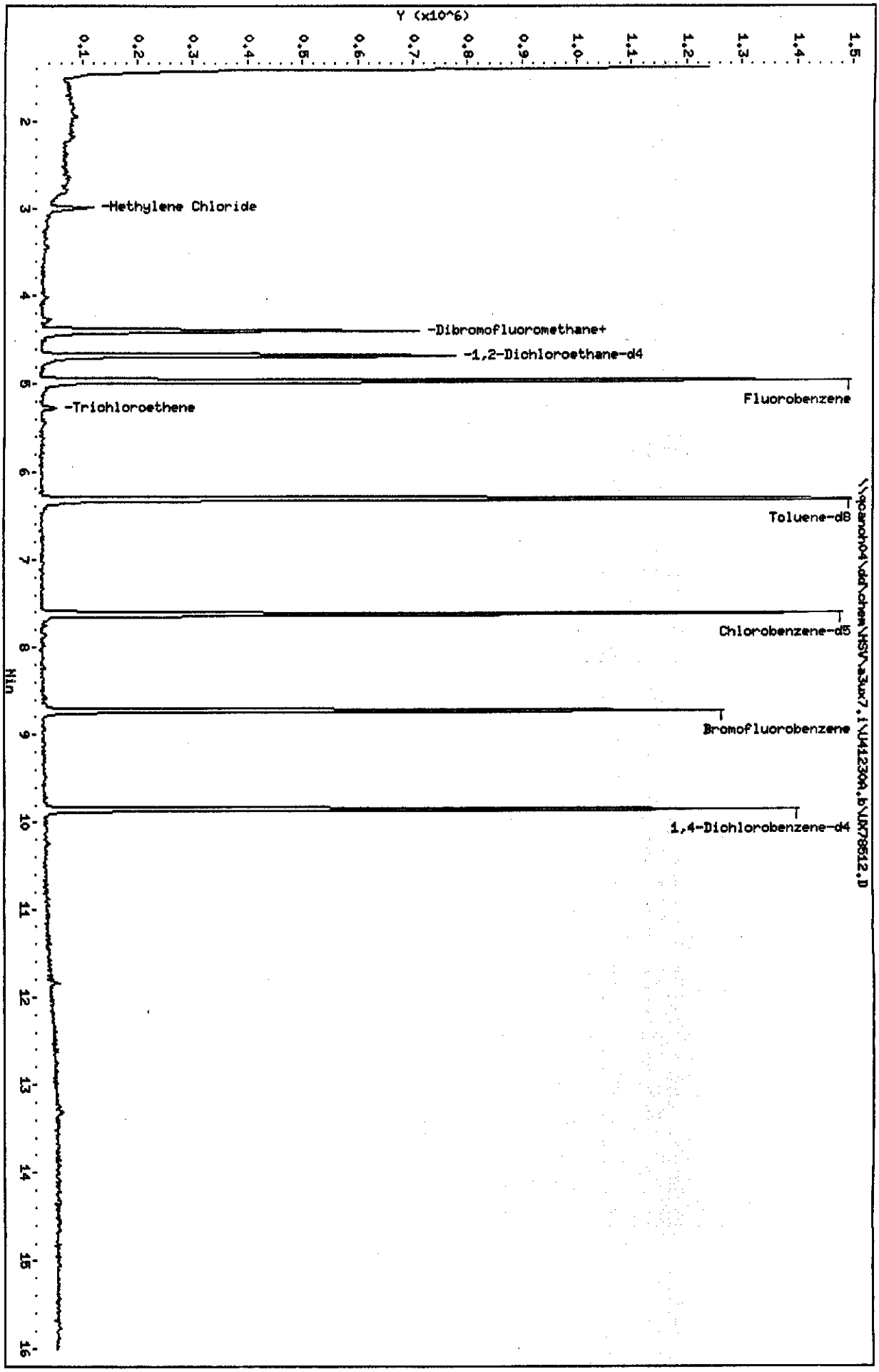
VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78512.D
Lab Smp Id: VBLK
Inj Date : 30-DEC-2004 12:23
Operator : 1904 Inst ID: a3ux7.i
Smp Info : VBLK,5ML/5ML
Misc Info : U41230A,N8260UX7-3,,1904,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\N8260UX7-3.m
Meth Date : 03-Jan-2005 14:59 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U412309.b\UX78612.D
Date : 30-DEC-2004 12:23
Client ID:
Sample Info: VBLK,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18



Data File: \\qoanoh04\dd\chem\HSV\a3ux7.i\U41230A.b\UX78512.D

Date : 30-DEC-2004 12:23

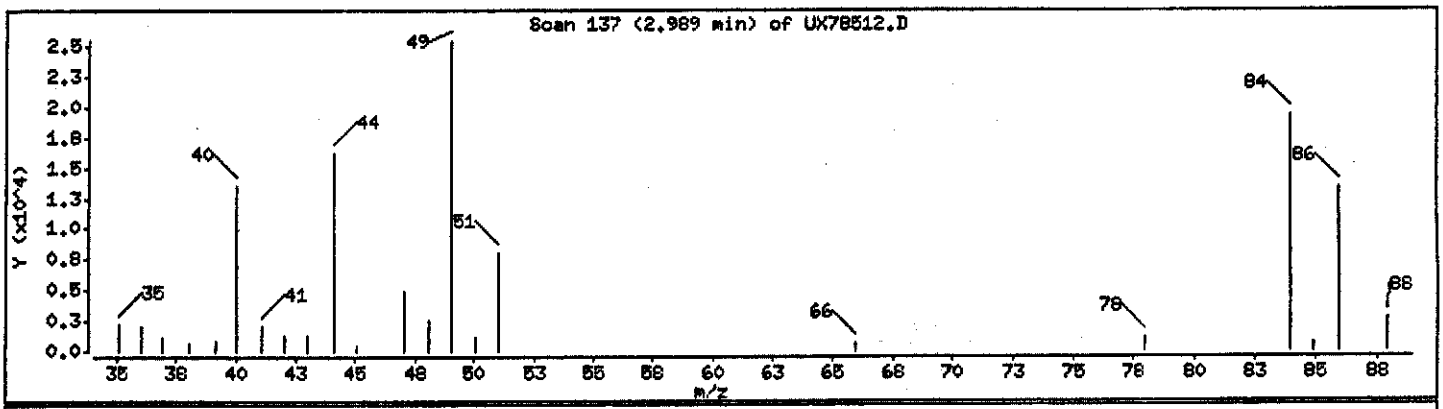
Client ID: | Instrument: a3ux7.i

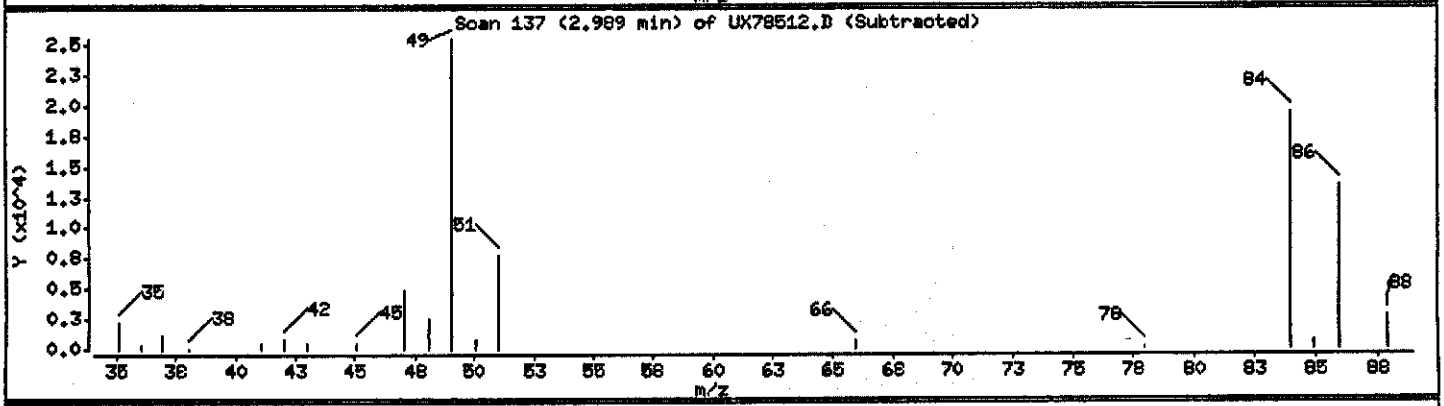
Sample Info: VBLK,5ML/5ML

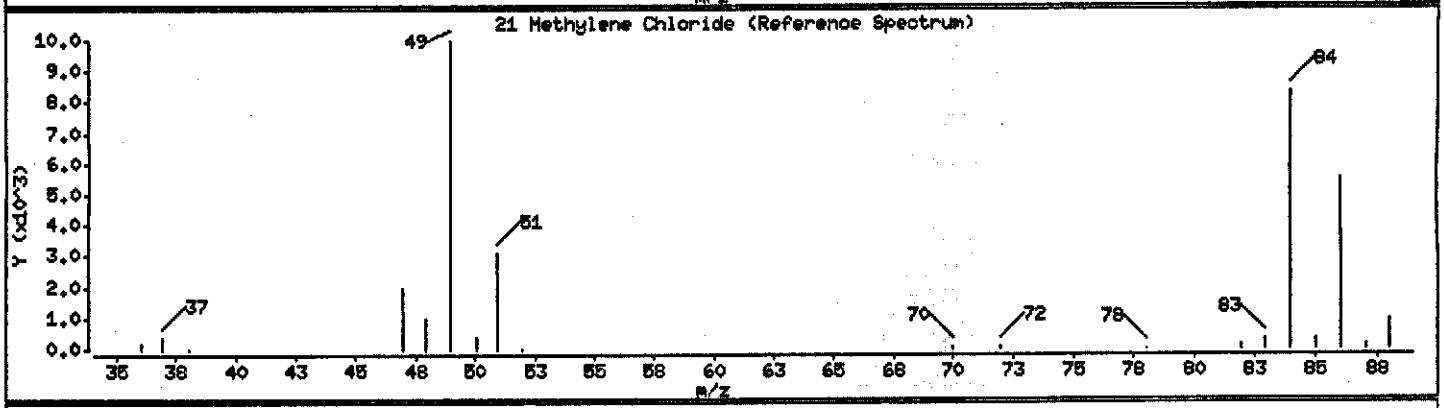
Purge Volume: 5.0 | Operator: 1904

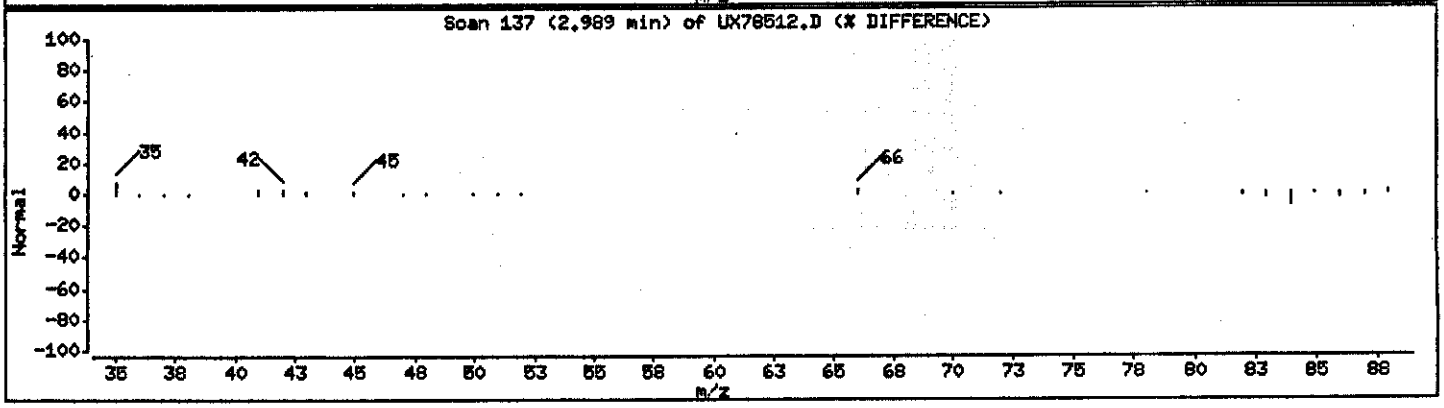
Column phase: DB624 20m | Column diameter: 0.18

21 Methylene Chloride | Concentration: 0.4522 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78512.D

Date : 30-DEC-2004 12:23

Client ID:

Instrument: a3ux7.i

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0

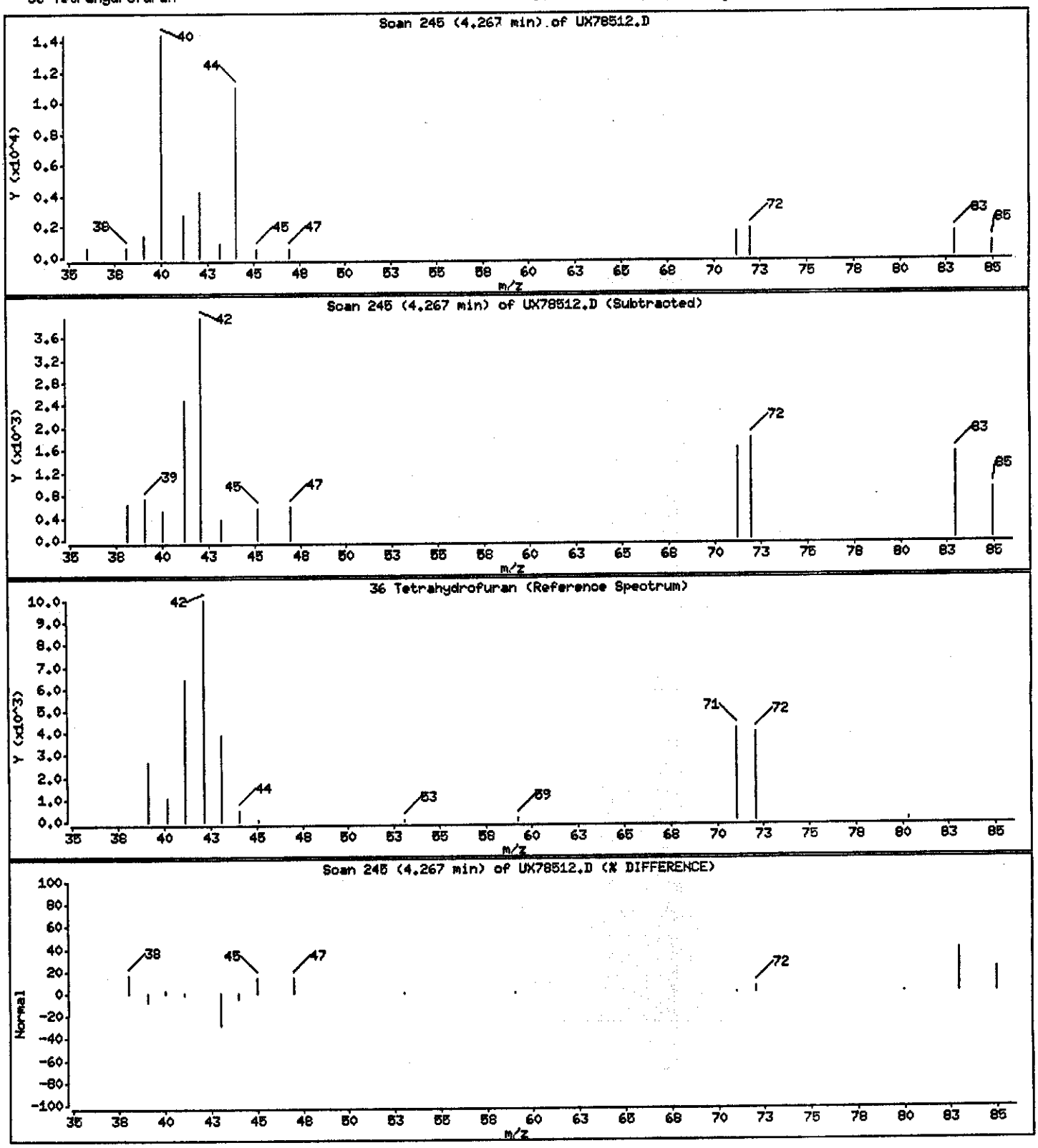
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

36 Tetrahydrofuran

Concentration: 0.5785 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U41230A.b\UX78512.D

Date : 30-DEC-2004 12:23

Client ID:

Instrument: a3ux7.i

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0

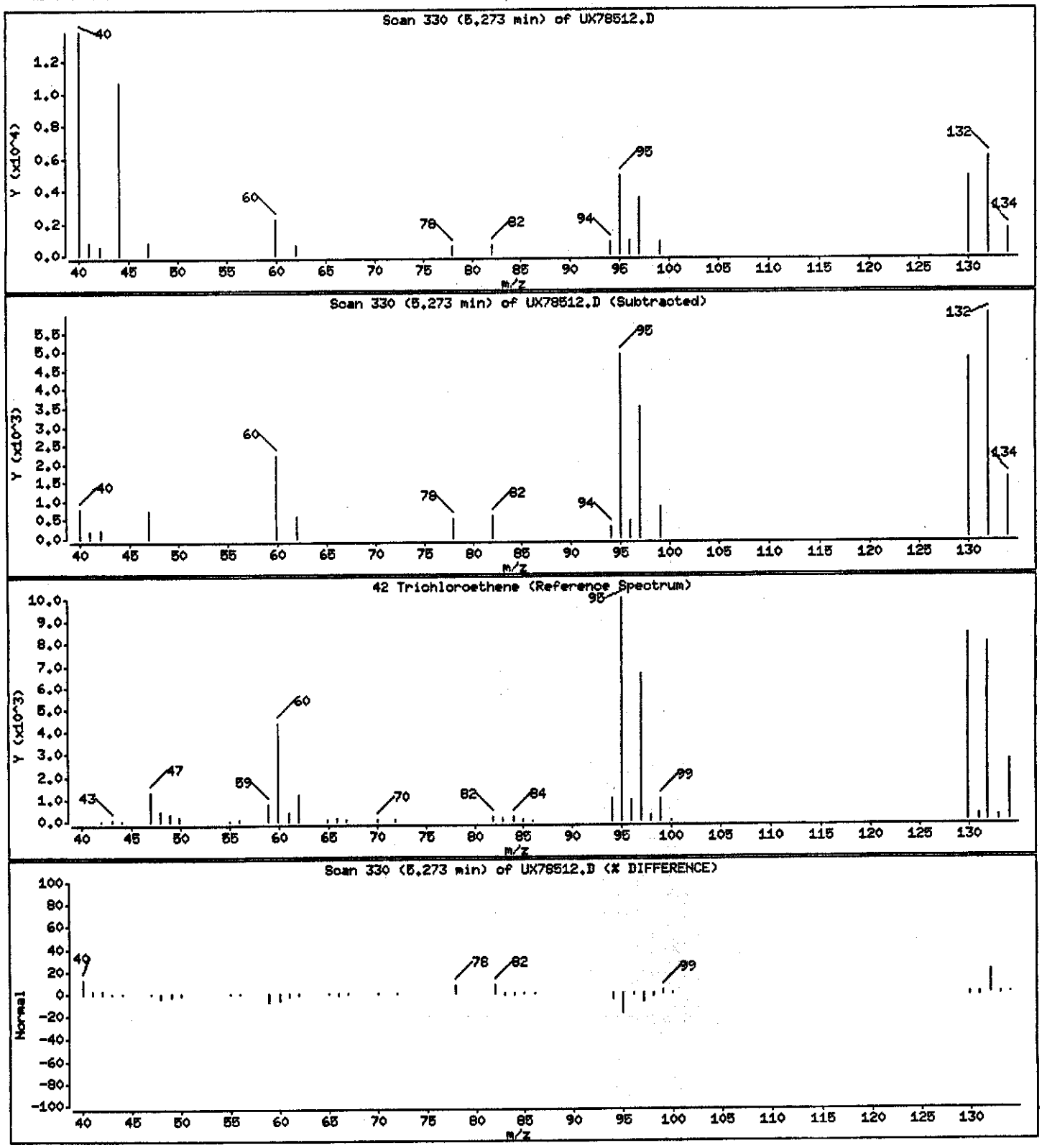
Operator: 1904

Column phase: DB624 20m

Column diameter: 0.18

42 Trichloroethene

Concentration: 0.1824 ug/L



METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G15071AA **Matrix.....:** WATER
MB Lot-Sample #: A5A050000-223

Prep Date.....: 01/03/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 01/03/05 **Prep Batch #...:** 5005223
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	**1.1 J**	**10**	**ug/L**	**SW846 8260B**
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
3-Chloropropene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	50	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutanol	ND	50	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G15071AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Propionitrile	ND	4.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
Toluene-d8	103	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

NOTE(S):

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

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78541.D
Report Date: 04-Jan-2005 09:52

G15071AA

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78541.D
Lab Smp Id: VBLK
Inj Date : 03-JAN-2005 10:45
Operator : 1904 Inst ID: a3ux7.i
Smp Info : VBLK,5ML/5ML
Misc Info : U50103A,N8260UX7-3,,1904,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m
Meth Date : 04-Jan-2005 09:50 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.962	4.961	(1.000)	1111483	50.0000	
* 2 Chlorobenzene-d5	117	7.625	7.624	(1.000)	786625	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.849	9.848	(1.000)	355637	50.0000	
$ 4 Dibromofluoromethane	113	4.394	4.393	(0.886)	359160	56.2430	11.248
$ 5 1,2-Dichloroethane-d4	65	4.678	4.677	(0.943)	388592	51.5544	10.311
$ 6 Toluene-d8	98	6.311	6.310	(0.828)	1304346	51.2875	10.258
$ 7 Bromofluorobenzene	95	8.725	8.724	(1.144)	396497	45.4448	9.089
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.655	2.642	(0.535)	44425	5.49778	1.100
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78541.D
Report Date: 04-Jan-2005 09:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78541.D
Report Date: 04-Jan-2005 09:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78541.D
Report Date: 04-Jan-2005 09:52

STL North Canton

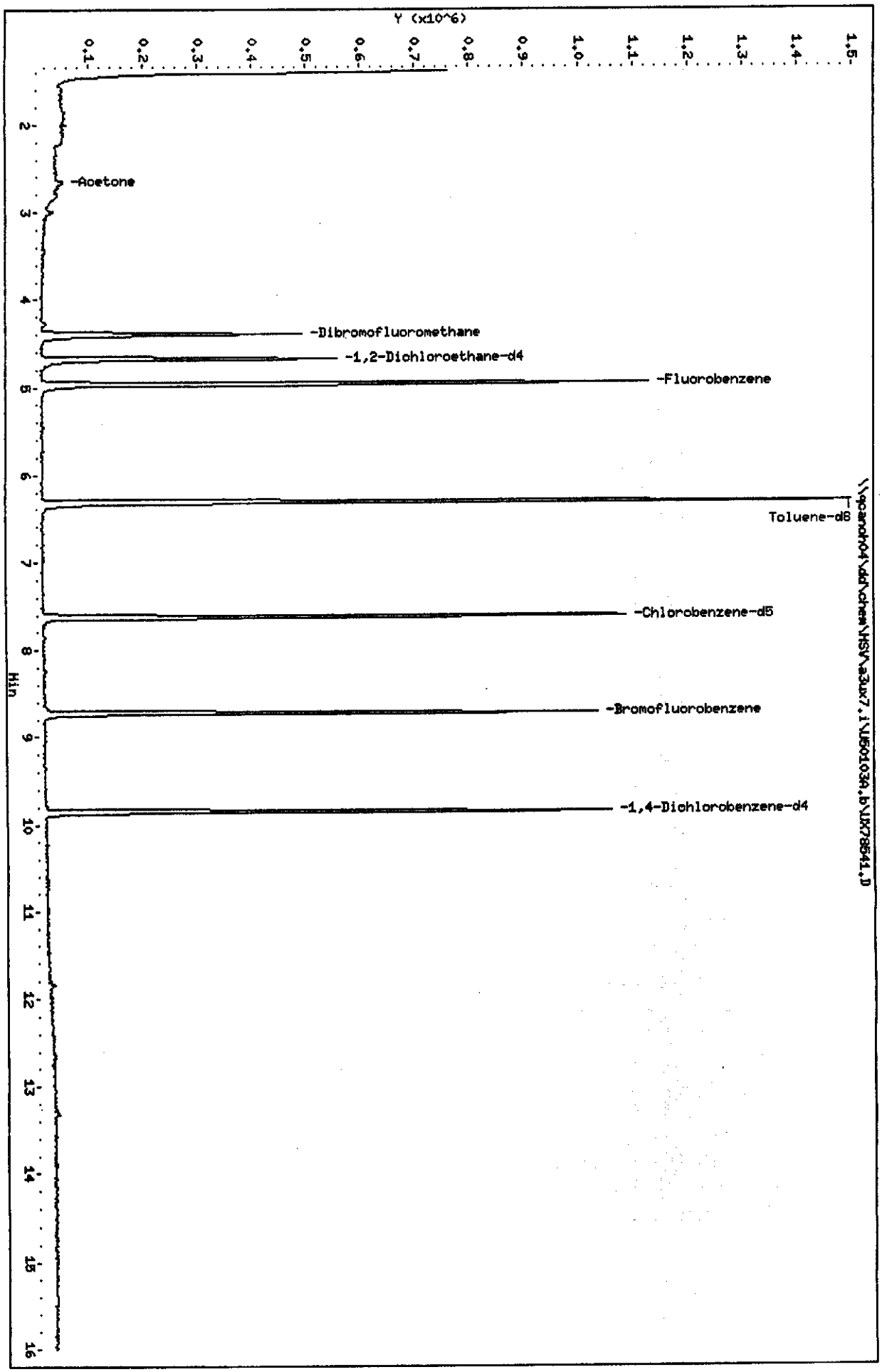
VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78541.D
Lab Smp Id: VBLK
Inj Date : 03-JAN-2005 10:45
Operator : 1904 Inst ID: a3ux7.i
Smp Info : VBLK,5ML/5ML
Misc Info : U50103A,N8260UX7-3,,1904,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m
Meth Date : 04-Jan-2005 09:50 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U501030.b\UX78541.D
Date : 03-JAN-2005 10:45
Client ID:
Sample Info: VBLK,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanch04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78541.D

Date : 03-JAN-2005 10:45

Client ID:

Instrument: a3ux7.i

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0

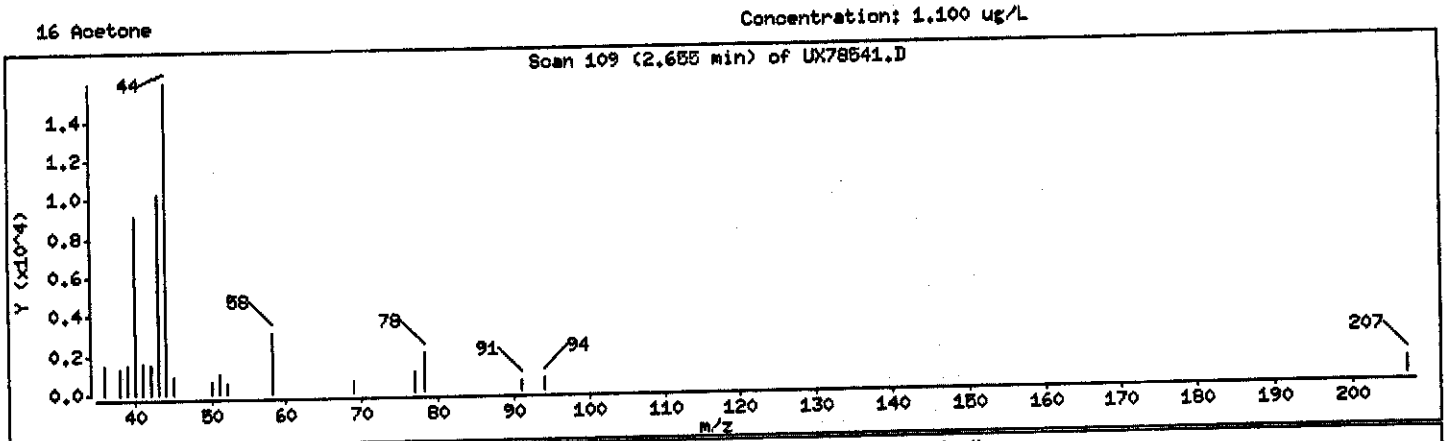
Operator: 1904

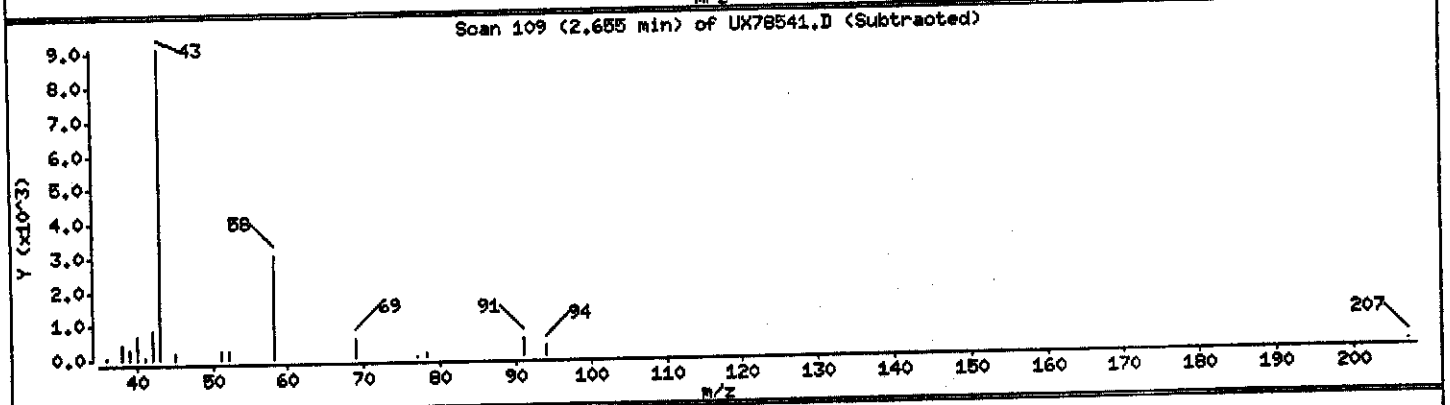
Column phase: DB624 20m

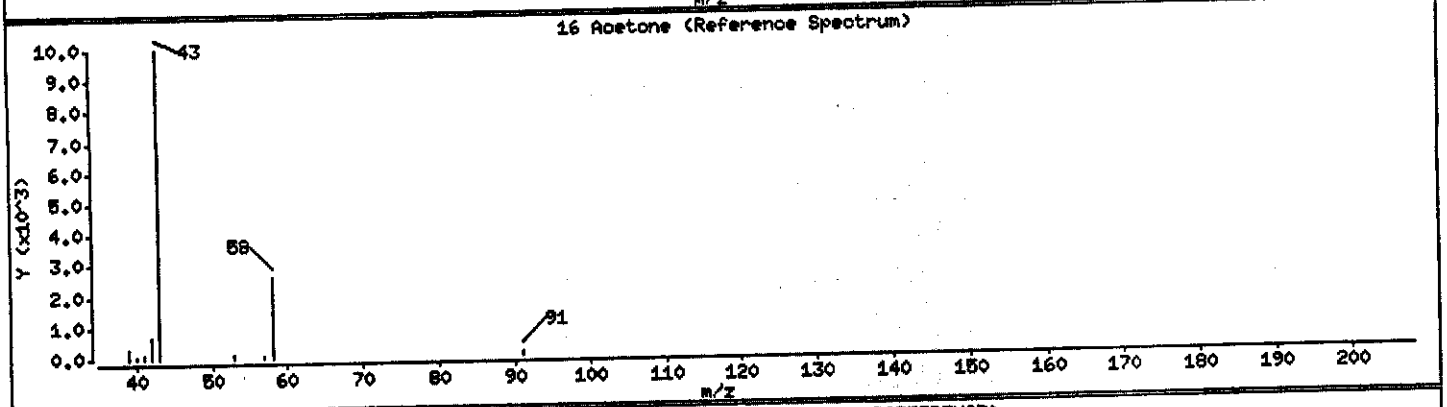
Column diameter: 0.18

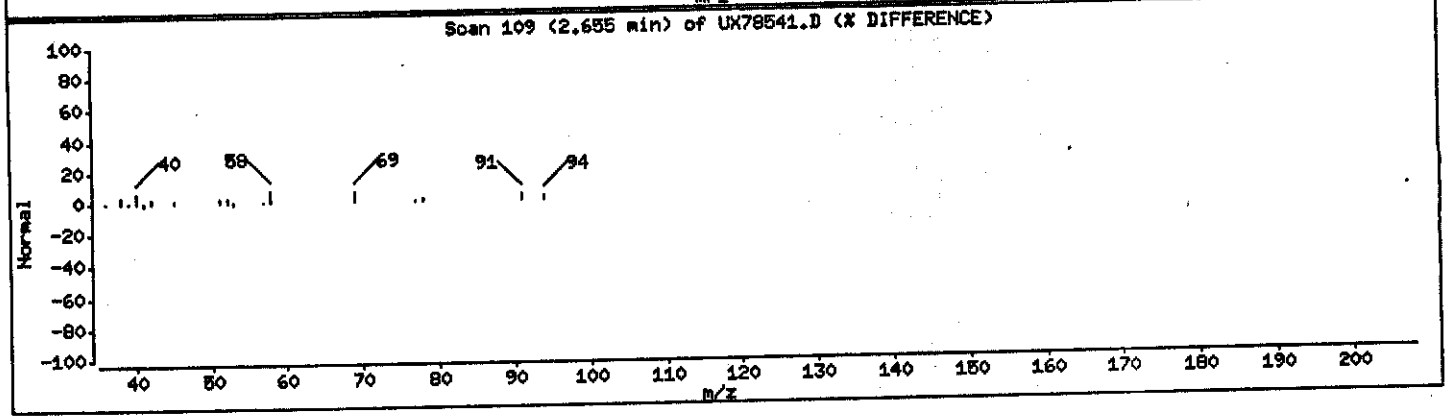
Concentration: 1.100 ug/L

16 Acetone









MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G1QK41AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4L230113-001 G1QK41AD-MSD
Date Sampled...: 12/20/04 10:35 **Date Received..:** 12/23/04
Prep Date.....: 12/30/04 **Analysis Date..:** 12/30/04
Prep Batch #...: 5003269
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	67	(45 - 128)			SW846 8260B
	78	(45 - 128)	15	(0-30)	SW846 8260B
Benzene	**103**	**(78 - 118)**			**SW846 8260B**
	107	**(78 - 118)**	**4.0**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	106	(80 - 146)			SW846 8260B
	110	(80 - 146)	3.9	(0-30)	SW846 8260B
Bromoform	94	(58 - 176)			SW846 8260B
	96	(58 - 176)	2.6	(0-30)	SW846 8260B
Bromomethane	101	(55 - 145)			SW846 8260B
	106	(55 - 145)	4.6	(0-30)	SW846 8260B
2-Butanone	80	(71 - 123)			SW846 8260B
	84	(71 - 123)	5.0	(0-30)	SW846 8260B
Carbon disulfide	106	(69 - 138)			SW846 8260B
	111	(69 - 138)	4.7	(0-41)	SW846 8260B
Carbon tetrachloride	94	(63 - 176)			SW846 8260B
	98	(63 - 176)	3.7	(0-30)	SW846 8260B
Chlorobenzene	**94**	**(76 - 117)**			**SW846 8260B**
	97	**(76 - 117)**	**3.1**	**(0-20)**	**SW846 8260B**
Dichlorodifluoromethane	100	(70 - 130)			SW846 8260B
	107	(70 - 130)	6.5	(0-30)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	92	(70 - 130)			SW846 8260B
	96	(70 - 130)	4.5	(0-30)	SW846 8260B
Methyl acetate	114	(70 - 130)			SW846 8260B
	122	(70 - 130)	7.2	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	97	(70 - 130)			SW846 8260B
	101	(70 - 130)	4.4	(0-30)	SW846 8260B
Cyclohexane	87	(70 - 130)			SW846 8260B
	94	(70 - 130)	7.6	(0-30)	SW846 8260B
Methylcyclohexane	81	(70 - 130)			SW846 8260B
	85	(70 - 130)	5.2	(0-30)	SW846 8260B
Dibromochloromethane	99	(71 - 158)			SW846 8260B
	102	(71 - 158)	3.2	(0-30)	SW846 8260B
Isopropylbenzene	87	(70 - 130)			SW846 8260B
	91	(70 - 130)	4.4	(0-30)	SW846 8260B
1,3-Dichlorobenzene	86	(70 - 130)			SW846 8260B
	90	(70 - 130)	4.8	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G1QK41AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4L230113-001 G1QK41AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Chloroethane	109	(59 - 142)			SW846 8260B
	117	(59 - 142)	7.6	(0-30)	SW846 8260B
1,4-Dichlorobenzene	92	(70 - 130)			SW846 8260B
	97	(70 - 130)	5.2	(0-30)	SW846 8260B
1,2-Dichlorobenzene	89	(70 - 130)			SW846 8260B
	94	(70 - 130)	5.8	(0-30)	SW846 8260B
1,2,4-Trichloro-benzene	72	(70 - 130)			SW846 8260B
	75	(70 - 130)	4.4	(0-30)	SW846 8260B
Chloroform	102	(83 - 141)			SW846 8260B
	107	(83 - 141)	4.2	(0-30)	SW846 8260B
Chloromethane	107	(40 - 137)			SW846 8260B
	111	(40 - 137)	3.2	(0-39)	SW846 8260B
1,2-Dibromo-3-chloro-propane	93	(70 - 130)			SW846 8260B
	100	(70 - 130)	7.4	(0-30)	SW846 8260B
1,2-Dibromoethane	97	(70 - 130)			SW846 8260B
	101	(70 - 130)	3.6	(0-30)	SW846 8260B
1,1-Dichloroethane	110	(88 - 127)			SW846 8260B
	115	(88 - 127)	3.9	(0-30)	SW846 8260B
1,2-Dichloroethane	105	(71 - 160)			SW846 8260B
	110	(71 - 160)	4.4	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	92	(87 - 114)			SW846 8260B
	97	(87 - 114)	4.9	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	101	(85 - 116)			SW846 8260B
	106	(85 - 116)	5.1	(0-30)	SW846 8260B
1,1-Dichloroethene	**97**	**(62 - 130)**			**SW846 8260B**
	102	**(62 - 130)**	**5.0**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	96	(86 - 115)			SW846 8260B
	102	(86 - 115)	5.0	(0-30)	SW846 8260B
1,2-Dichloropropane	117 a	(87 - 114)			SW846 8260B
	120 a	(87 - 114)	2.2	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	92	(82 - 130)			SW846 8260B
	96	(82 - 130)	4.7	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	95	(73 - 147)			SW846 8260B
	100	(73 - 147)	5.0	(0-30)	SW846 8260B
Ethylbenzene	89	(86 - 132)			SW846 8260B
	93	(86 - 132)	4.3	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G1QK41AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4L230113-001 G1QK41AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Hexanone	71 a	(81 - 128)			SW846 8260B
	77 a	(81 - 128)	7.6	(0-30)	SW846 8260B
Methylene chloride	111	(82 - 115)			SW846 8260B
	114	(82 - 115)	2.9	(0-30)	SW846 8260B
4-Methyl-2-pentanone	91	(82 - 135)			SW846 8260B
	99	(82 - 135)	8.5	(0-30)	SW846 8260B
Styrene	91	(83 - 120)			SW846 8260B
	93	(83 - 120)	2.2	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	127 a	(88 - 116)			SW846 8260B
	134 a	(88 - 116)	5.2	(0-30)	SW846 8260B
Tetrachloroethene	85	(85 - 121)			SW846 8260B
	89	(85 - 121)	4.9	(0-30)	SW846 8260B
Toluene	**101**	**(70 - 119)**			**SW846 8260B**
	105	**(70 - 119)**	**4.0**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	91	(71 - 162)			SW846 8260B
	96	(71 - 162)	5.2	(0-30)	SW846 8260B
1,1,2-Trichloroethane	106	(86 - 129)			SW846 8260B
	111	(86 - 129)	4.0	(0-30)	SW846 8260B
Trichloroethene	**83**	**(62 - 130)**			**SW846 8260B**
	87	**(62 - 130)**	**5.4**	**(0-20)**	**SW846 8260B**
Trichlorofluoromethane	110	(70 - 130)			SW846 8260B
	114	(70 - 130)	3.6	(0-30)	SW846 8260B
Vinyl chloride	100	(88 - 126)			SW846 8260B
	104	(88 - 126)	4.5	(0-30)	SW846 8260B
Xylenes (total)	92	(89 - 121)			SW846 8260B
	95	(89 - 121)	3.0	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
	108	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
	116	(61 - 128)
Toluene-d8	110	(76 - 110)
	110	(76 - 110)
4-Bromofluorobenzene	107	(74 - 116)
	107	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G1QK41AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4L230113-001 G1QK41AD-MSD
Date Sampled...: 12/20/04 10:35 **Date Received..:** 12/23/04
Prep Date.....: 12/30/04 **Analysis Date..:** 12/30/04
Prep Batch #...: 5003269
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	ND	10	6.7	ug/L	67		SW846 8260B
	ND	10	7.8	ug/L	78	15	SW846 8260B
Benzene	**ND**	**10**	**10**	**ug/L**	**103**		**SW846 8260B**
	ND	**10**	**11**	**ug/L**	**107**	**4.0**	**SW846 8260B**
Bromodichloromethane	ND	10	11	ug/L	106		SW846 8260B
	ND	10	11	ug/L	110	3.9	SW846 8260B
Bromoform	ND	10	9.4	ug/L	94		SW846 8260B
	ND	10	9.6	ug/L	96	2.6	SW846 8260B
Bromomethane	ND	10	10	ug/L	101		SW846 8260B
	ND	10	11	ug/L	106	4.6	SW846 8260B
2-Butanone	ND	10	8.0	ug/L	80		SW846 8260B
	ND	10	8.4	ug/L	84	5.0	SW846 8260B
Carbon disulfide	ND	10	11	ug/L	106		SW846 8260B
	ND	10	11	ug/L	111	4.7	SW846 8260B
Carbon tetrachloride	ND	10	9.4	ug/L	94		SW846 8260B
	ND	10	9.8	ug/L	98	3.7	SW846 8260B
Chlorobenzene	**ND**	**10**	**9.4**	**ug/L**	**94**		**SW846 8260B**
	ND	**10**	**9.7**	**ug/L**	**97**	**3.1**	**SW846 8260B**
Dichlorodifluoromethane	ND	10	10	ug/L	100		SW846 8260B
	ND	10	11	ug/L	107	6.5	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	10	9.2	ug/L	92		SW846 8260B
	ND	10	9.6	ug/L	96	4.5	SW846 8260B
Methyl acetate	ND	10	11	ug/L	114		SW846 8260B
	ND	10	12	ug/L	122	7.2	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	10	9.7	ug/L	97		SW846 8260B
	ND	10	10	ug/L	101	4.4	SW846 8260B
Cyclohexane	ND	10	8.7	ug/L	87		SW846 8260B
	ND	10	9.4	ug/L	94	7.6	SW846 8260B
Methylcyclohexane	ND	10	8.1	ug/L	81		SW846 8260B
	ND	10	8.5	ug/L	85	5.2	SW846 8260B
Dibromochloromethane	ND	10	9.9	ug/L	99		SW846 8260B
	ND	10	10	ug/L	102	3.2	SW846 8260B
Isopropylbenzene	ND	10	8.7	ug/L	87		SW846 8260B
	ND	10	9.1	ug/L	91	4.4	SW846 8260B
1,3-Dichlorobenzene	ND	10	8.6	ug/L	86		SW846 8260B
	ND	10	9.0	ug/L	90	4.8	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G1QK41AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4L230113-001 G1QK41AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Chloroethane	ND	10	11	ug/L	109		SW846 8260B
	ND	10	12	ug/L	117	7.6	SW846 8260B
1,4-Dichlorobenzene	ND	10	9.2	ug/L	92		SW846 8260B
	ND	10	9.7	ug/L	97	5.2	SW846 8260B
1,2-Dichlorobenzene	ND	10	8.9	ug/L	89		SW846 8260B
	ND	10	9.4	ug/L	94	5.8	SW846 8260B
1,2,4-Trichloro-benzene	ND	10	7.2	ug/L	72		SW846 8260B
	ND	10	7.5	ug/L	75	4.4	SW846 8260B
Chloroform	ND	10	10	ug/L	102		SW846 8260B
	ND	10	11	ug/L	107	4.2	SW846 8260B
Chloromethane	ND	10	11	ug/L	107		SW846 8260B
	ND	10	11	ug/L	111	3.2	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	9.3	ug/L	93		SW846 8260B
	ND	10	10	ug/L	100	7.4	SW846 8260B
1,2-Dibromoethane	ND	10	9.7	ug/L	97		SW846 8260B
	ND	10	10	ug/L	101	3.6	SW846 8260B
1,1-Dichloroethane	ND	10	11	ug/L	110		SW846 8260B
	ND	10	11	ug/L	115	3.9	SW846 8260B
1,2-Dichloroethane	ND	10	11	ug/L	105		SW846 8260B
	ND	10	11	ug/L	110	4.4	SW846 8260B
cis-1,2-Dichloroethene	1.3	10	11	ug/L	92		SW846 8260B
	1.3	10	11	ug/L	97	4.9	SW846 8260B
trans-1,2-Dichloroethene	ND	10	10	ug/L	101		SW846 8260B
	ND	10	11	ug/L	106	5.1	SW846 8260B
1,1-Dichloroethene	**ND**	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	ND	**10**	**10**	**ug/L**	**102**	**5.0**	**SW846 8260B**
1,2-Dichloroethene (total)	1.3	20	21	ug/L	96		SW846 8260B
	1.3	20	22	ug/L	102	5.0	SW846 8260B
1,2-Dichloropropane	ND	10	12	ug/L	117 a		SW846 8260B
	ND	10	12	ug/L	120 a	2.2	SW846 8260B
cis-1,3-Dichloropropene	ND	10	9.2	ug/L	92		SW846 8260B
	ND	10	9.6	ug/L	96	4.7	SW846 8260B
trans-1,3-Dichloropropene	ND	10	9.5	ug/L	95		SW846 8260B
	ND	10	10	ug/L	100	5.0	SW846 8260B
Ethylbenzene	ND	10	8.9	ug/L	89		SW846 8260B
	ND	10	9.3	ug/L	93	4.3	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G1QK41AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4L230113-001 G1QK41AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Hexanone	ND	10	7.1	ug/L	71 a		SW846 8260B
	ND	10	7.7	ug/L	77 a	7.6	SW846 8260B
Methylene chloride	ND	10	11	ug/L	111		SW846 8260B
	ND	10	11	ug/L	114	2.9	SW846 8260B
4-Methyl-2-pentanone	ND	10	9.1	ug/L	91		SW846 8260B
	ND	10	9.9	ug/L	99	8.5	SW846 8260B
Styrene	ND	10	9.1	ug/L	91		SW846 8260B
	ND	10	9.3	ug/L	93	2.2	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10	13	ug/L	127 a		SW846 8260B
	ND	10	13	ug/L	134 a	5.2	SW846 8260B
Tetrachloroethene	ND	10	8.5	ug/L	85		SW846 8260B
	ND	10	8.9	ug/L	89	4.9	SW846 8260B
Toluene	**ND**	**10**	**10**	**ug/L**	**101**		**SW846 8260B**
	ND	**10**	**10**	**ug/L**	**105**	**4.0**	**SW846 8260B**
1,1,1-Trichloroethane	ND	10	9.1	ug/L	91		SW846 8260B
	ND	10	9.6	ug/L	96	5.2	SW846 8260B
1,1,2-Trichloroethane	ND	10	11	ug/L	106		SW846 8260B
	ND	10	11	ug/L	111	4.0	SW846 8260B
Trichloroethene	**ND**	**10**	**8.3**	**ug/L**	**83**		**SW846 8260B**
	ND	**10**	**8.7**	**ug/L**	**87**	**5.4**	**SW846 8260B**
Trichlorofluoromethane	ND	10	11	ug/L	110		SW846 8260B
	ND	10	11	ug/L	114	3.6	SW846 8260B
Vinyl chloride	ND	10	10	ug/L	100		SW846 8260B
	ND	10	10	ug/L	104	4.5	SW846 8260B
Xylenes (total)	ND	30	28	ug/L	92		SW846 8260B
	ND	30	29	ug/L	95	3.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
	108	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
	116	(61 - 128)
Toluene-d8	110	(76 - 110)
	110	(76 - 110)
4-Bromofluorobenzene	107	(74 - 116)
	107	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G1QMK1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4L230115-007 G1QMK1AD-MSD
Date Sampled...: 12/22/04 11:05 **Date Received..:** 12/23/04
Prep Date.....: 01/03/05 **Analysis Date..:** 01/03/05
Prep Batch #...: 5005223
Dilution Factor: 6.67 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	70	(45 - 128)			SW846 8260B
	62	(45 - 128)	12	(0-30)	SW846 8260B
Benzene	**108**	**(78 - 118)**			**SW846 8260B**
	110	**(78 - 118)**	**1.9**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	108	(80 - 146)			SW846 8260B
	109	(80 - 146)	1.3	(0-30)	SW846 8260B
Bromoform	102	(58 - 176)			SW846 8260B
	105	(58 - 176)	2.4	(0-30)	SW846 8260B
Bromomethane	101	(55 - 145)			SW846 8260B
	109	(55 - 145)	7.6	(0-30)	SW846 8260B
2-Butanone	82	(71 - 123)			SW846 8260B
	82	(71 - 123)	0.0	(0-30)	SW846 8260B
Carbon disulfide	108	(69 - 138)			SW846 8260B
	106	(69 - 138)	1.8	(0-41)	SW846 8260B
Carbon tetrachloride	103	(63 - 176)			SW846 8260B
	99	(63 - 176)	4.3	(0-30)	SW846 8260B
Chlorobenzene	**100**	**(76 - 117)**			**SW846 8260B**
	101	**(76 - 117)**	**1.1**	**(0-20)**	**SW846 8260B**
Dichlorodifluoromethane	103	(70 - 130)			SW846 8260B
	90	(70 - 130)	14	(0-30)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	106	(70 - 130)			SW846 8260B
	92	(70 - 130)	14	(0-30)	SW846 8260B
Methyl acetate	113	(70 - 130)			SW846 8260B
	112	(70 - 130)	0.74	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	103	(70 - 130)			SW846 8260B
	106	(70 - 130)	2.0	(0-30)	SW846 8260B
Cyclohexane	94	(70 - 130)			SW846 8260B
	81	(70 - 130)	12	(0-30)	SW846 8260B
Methylcyclohexane	90	(70 - 130)			SW846 8260B
	80	(70 - 130)	12	(0-30)	SW846 8260B
Dibromochloromethane	102	(71 - 158)			SW846 8260B
	106	(71 - 158)	3.4	(0-30)	SW846 8260B
Isopropylbenzene	93	(70 - 130)			SW846 8260B
	94	(70 - 130)	0.86	(0-30)	SW846 8260B
1,3-Dichlorobenzene	92	(70 - 130)			SW846 8260B
	93	(70 - 130)	0.64	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G1QMK1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4L230115-007 G1QMK1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Chloroethane	112	(59 - 142)			SW846 8260B
	112	(59 - 142)	0.17	(0-30)	SW846 8260B
1,4-Dichlorobenzene	96	(70 - 130)			SW846 8260B
	98	(70 - 130)	1.6	(0-30)	SW846 8260B
1,2-Dichlorobenzene	93	(70 - 130)			SW846 8260B
	95	(70 - 130)	1.9	(0-30)	SW846 8260B
1,2,4-Trichloro-benzene	79	(70 - 130)			SW846 8260B
	83	(70 - 130)	4.8	(0-30)	SW846 8260B
Chloroform	105	(83 - 141)			SW846 8260B
	107	(83 - 141)	2.3	(0-30)	SW846 8260B
Chloromethane	108	(40 - 137)			SW846 8260B
	106	(40 - 137)	1.1	(0-39)	SW846 8260B
1,2-Dibromo-3-chloro-propane	103	(70 - 130)			SW846 8260B
	99	(70 - 130)	3.8	(0-30)	SW846 8260B
1,2-Dibromoethane	99	(70 - 130)			SW846 8260B
	102	(70 - 130)	2.8	(0-30)	SW846 8260B
1,1-Dichloroethane	112	(88 - 127)			SW846 8260B
	113	(88 - 127)	0.99	(0-30)	SW846 8260B
1,2-Dichloroethane	105	(71 - 160)			SW846 8260B
	110	(71 - 160)	4.0	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	92	(87 - 114)			SW846 8260B
	101	(87 - 114)	2.6	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	107	(85 - 116)			SW846 8260B
	108	(85 - 116)	0.72	(0-30)	SW846 8260B
1,1-Dichloroethene	**104**	**(62 - 130)**			**SW846 8260B**
	101	**(62 - 130)**	**3.2**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	99	(86 - 115)			SW846 8260B
	104	(86 - 115)	2.2	(0-30)	SW846 8260B
1,2-Dichloropropane	117 a	(87 - 114)			SW846 8260B
	119 a	(87 - 114)	2.3	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	96	(82 - 130)			SW846 8260B
	101	(82 - 130)	4.6	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	95	(73 - 147)			SW846 8260B
	99	(73 - 147)	3.8	(0-30)	SW846 8260B
Ethylbenzene	103	(86 - 132)			SW846 8260B
	103	(86 - 132)	0.25	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G1QMK1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4L230115-007 G1QMK1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Hexanone	66 a	(81 - 128)			SW846 8260B
	65 a	(81 - 128)	0.68	(0-30)	SW846 8260B
Methylene chloride	111	(82 - 115)			SW846 8260B
	113	(82 - 115)	2.4	(0-30)	SW846 8260B
4-Methyl-2-pentanone	90	(82 - 135)			SW846 8260B
	90	(82 - 135)	0.19	(0-30)	SW846 8260B
Styrene	94	(83 - 120)			SW846 8260B
	96	(83 - 120)	1.6	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	119 a	(88 - 116)			SW846 8260B
	120 a	(88 - 116)	0.57	(0-30)	SW846 8260B
Tetrachloroethene	96	(85 - 121)			SW846 8260B
	91	(85 - 121)	4.8	(0-30)	SW846 8260B
Toluene	**104**	**(70 - 119)**			**SW846 8260B**
	103	**(70 - 119)**	**1.1**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	98	(71 - 162)			SW846 8260B
	96	(71 - 162)	1.8	(0-30)	SW846 8260B
1,1,2-Trichloroethane	110	(86 - 129)			SW846 8260B
	109	(86 - 129)	0.51	(0-30)	SW846 8260B
Trichloroethene	**93**	**(62 - 130)**			**SW846 8260B**
	94	**(62 - 130)**	**0.76**	**(0-20)**	**SW846 8260B**
Trichlorofluoromethane	118	(70 - 130)			SW846 8260B
	106	(70 - 130)	10	(0-30)	SW846 8260B
Vinyl chloride	94	(88 - 126)			SW846 8260B
	91	(88 - 126)	1.3	(0-30)	SW846 8260B
Xylenes (total)	97	(89 - 121)			SW846 8260B
	98	(89 - 121)	0.98	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(73 - 122)
	109	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
	111	(61 - 128)
Toluene-d8	108	(76 - 110)
	107	(76 - 110)
4-Bromofluorobenzene	106	(74 - 116)
	104	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G1QMK1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4L230115-007 G1QMK1AD-MSD
Date Sampled...: 12/22/04 11:05 **Date Received..:** 12/23/04
Prep Date.....: 01/03/05 **Analysis Date..:** 01/03/05
Prep Batch #...: 5005223
Dilution Factor: 6.67 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	ND	67	46	ug/L	70		SW846 8260B
	ND	67	41	ug/L	62	12	SW846 8260B
Benzene	**9.4**	**67**	**81**	**ug/L**	**108**		**SW846 8260B**
	9.4	**67**	**83**	**ug/L**	**110**	**1.9**	**SW846 8260B**
Bromodichloromethane	ND	67	72	ug/L	108		SW846 8260B
	ND	67	73	ug/L	109	1.3	SW846 8260B
Bromoform	ND	67	68	ug/L	102		SW846 8260B
	ND	67	70	ug/L	105	2.4	SW846 8260B
Bromomethane	ND	67	67	ug/L	101		SW846 8260B
	ND	67	73	ug/L	109	7.6	SW846 8260B
2-Butanone	ND	67	55	ug/L	82		SW846 8260B
	ND	67	55	ug/L	82	0.0	SW846 8260B
Carbon disulfide	ND	67	72	ug/L	108		SW846 8260B
	ND	67	71	ug/L	106	1.8	SW846 8260B
Carbon tetrachloride	ND	67	69	ug/L	103		SW846 8260B
	ND	67	66	ug/L	99	4.3	SW846 8260B
Chlorobenzene	**ND**	**67**	**67**	**ug/L**	**100**		**SW846 8260B**
	ND	**67**	**67**	**ug/L**	**101**	**1.1**	**SW846 8260B**
Dichlorodifluoromethane	ND	67	69	ug/L	103		SW846 8260B
	ND	67	60	ug/L	90	14	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	67	70	ug/L	106		SW846 8260B
	ND	67	61	ug/L	92	14	SW846 8260B
Methyl acetate	ND	67	75	ug/L	113		SW846 8260B
	ND	67	75	ug/L	112	0.74	SW846 8260B
Methyl tert-butyl ether (MTBE)	19	67	87	ug/L	103		SW846 8260B
	19	67	89	ug/L	106	2.0	SW846 8260B
Cyclohexane	14	67	77	ug/L	94		SW846 8260B
	14	67	68	ug/L	81	12	SW846 8260B
Methylcyclohexane	ND	67	60	ug/L	90		SW846 8260B
	ND	67	53	ug/L	80	12	SW846 8260B
Dibromochloromethane	ND	67	68	ug/L	102		SW846 8260B
	ND	67	70	ug/L	106	3.4	SW846 8260B
Isopropylbenzene	ND	67	62	ug/L	93		SW846 8260B
	ND	67	62	ug/L	94	0.86	SW846 8260B
1,3-Dichlorobenzene	ND	67	62	ug/L	92		SW846 8260B
	ND	67	62	ug/L	93	0.64	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G1QMK1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4L230115-007 G1QMK1AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Chloroethane	ND	67	75	ug/L	112		SW846 8260B
	ND	67	75	ug/L	112	0.17	SW846 8260B
1,4-Dichlorobenzene	2.1	67	66	ug/L	96		SW846 8260B
	2.1	67	67	ug/L	98	1.6	SW846 8260B
1,2-Dichlorobenzene	ND	67	62	ug/L	93		SW846 8260B
	ND	67	63	ug/L	95	1.9	SW846 8260B
1,2,4-Trichloro-benzene	ND	67	53	ug/L	79		SW846 8260B
	ND	67	55	ug/L	83	4.8	SW846 8260B
Chloroform	ND	67	70	ug/L	105		SW846 8260B
	ND	67	71	ug/L	107	2.3	SW846 8260B
Chloromethane	ND	67	72	ug/L	108		SW846 8260B
	ND	67	71	ug/L	106	1.1	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	67	68	ug/L	103		SW846 8260B
	ND	67	66	ug/L	99	3.8	SW846 8260B
1,2-Dibromoethane	ND	67	66	ug/L	99		SW846 8260B
	ND	67	68	ug/L	102	2.8	SW846 8260B
1,1-Dichloroethane	1.9	67	77	ug/L	112		SW846 8260B
	1.9	67	77	ug/L	113	0.99	SW846 8260B
1,2-Dichloroethane	19	67	89	ug/L	105		SW846 8260B
	19	67	92	ug/L	110	4.0	SW846 8260B
cis-1,2-Dichloroethene	170	67	230	ug/L	92		SW846 8260B
	170	67	240	ug/L	101	2.6	SW846 8260B
trans-1,2-Dichloroethene	6.0	67	77	ug/L	107		SW846 8260B
	6.0	67	78	ug/L	108	0.72	SW846 8260B
1,1-Dichloroethene	**ND**	**67**	**69**	**ug/L**	**104**		**SW846 8260B**
	ND	**67**	**67**	**ug/L**	**101**	**3.2**	**SW846 8260B**
1,2-Dichloroethene (total)	180	130	310	ug/L	99		SW846 8260B
	180	130	320	ug/L	104	2.2	SW846 8260B
1,2-Dichloropropane	ND	67	78	ug/L	117 a		SW846 8260B
	ND	67	79	ug/L	119 a	2.3	SW846 8260B
cis-1,3-Dichloropropene	ND	67	64	ug/L	96		SW846 8260B
	ND	67	67	ug/L	101	4.6	SW846 8260B
trans-1,3-Dichloropropene	ND	67	63	ug/L	95		SW846 8260B
	ND	67	66	ug/L	99	3.8	SW846 8260B
Ethylbenzene	ND	67	69	ug/L	103		SW846 8260B
	ND	67	69	ug/L	103	0.25	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4L230115 **Work Order #...:** G1QMK1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4L230115-007 G1QMK1AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Hexanone	ND	67	44	ug/L	66 a		SW846 8260B
	ND	67	44	ug/L	65 a	0.68	SW846 8260B
Methylene chloride	ND	67	74	ug/L	111		SW846 8260B
	ND	67	76	ug/L	113	2.4	SW846 8260B
4-Methyl-2-pentanone	ND	67	60	ug/L	90		SW846 8260B
	ND	67	60	ug/L	90	0.19	SW846 8260B
Styrene	ND	67	63	ug/L	94		SW846 8260B
	ND	67	64	ug/L	96	1.6	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	67	80	ug/L	119 a		SW846 8260B
	ND	67	80	ug/L	120 a	0.57	SW846 8260B
Tetrachloroethene	ND	67	64	ug/L	96		SW846 8260B
	ND	67	61	ug/L	91	4.8	SW846 8260B
Toluene	**ND**	**67**	**70**	**ug/L**	**104**		**SW846 8260B**
	ND	**67**	**69**	**ug/L**	**103**	**1.1**	**SW846 8260B**
1,1,1-Trichloroethane	ND	67	65	ug/L	98		SW846 8260B
	ND	67	64	ug/L	96	1.8	SW846 8260B
1,1,2-Trichloroethane	ND	67	73	ug/L	110		SW846 8260B
	ND	67	73	ug/L	109	0.51	SW846 8260B
Trichloroethene	**32**	**67**	**94**	**ug/L**	**93**		**SW846 8260B**
	32	**67**	**94**	**ug/L**	**94**	**0.76**	**SW846 8260B**
Trichlorofluoromethane	ND	67	78	ug/L	118		SW846 8260B
	ND	67	71	ug/L	106	10	SW846 8260B
Vinyl chloride	41	67	100	ug/L	94		SW846 8260B
	41	67	100	ug/L	91	1.3	SW846 8260B
Xylenes (total)	ND	200	190	ug/L	97		SW846 8260B
	ND	200	200	ug/L	98	0.98	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(73 - 122)
	109	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
	111	(61 - 128)
Toluene-d8	108	(76 - 110)
	107	(76 - 110)
4-Bromofluorobenzene	106	(74 - 116)
	104	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78549.D
Report Date: 05-Jan-2005 12:51

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78549.D
Lab Smp Id: G1QMK1AC Client Smp ID: MW-31D/122204
Inj Date : 03-JAN-2005 14:00
Operator : 1904 Inst ID: a3ux7.i
Smp Info : G1QMK1AC,0.75ML/5ML
Misc Info : U50103A,N8260UX7-3,,1904,3,,MS
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m
Meth Date : 05-Jan-2005 12:43 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 13 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.750	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.965	4.961	(1.000)	1012178	50.0000	
* 2 Chlorobenzene-d5	117	7.615	7.624	(1.000)	703041	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.851	9.848	(1.000)	337391	50.0000	
$ 4 Dibromofluoromethane	113	4.397	4.393	(0.886)	319188	54.8874	73.183
$ 5 1,2-Dichloroethane-d4	65	4.681	4.677	(0.943)	344222	50.1484	66.864
$ 6 Toluene-d8	98	6.313	6.310	(0.829)	1229132	54.0760	72.101
$ 7 Bromofluorobenzene	95	8.727	8.724	(1.146)	411931	52.8270	70.436
8 Dichlorodifluoromethane	85	1.450	1.447	(0.292)	210495	51.4540	68.605
9 Chloromethane	50	1.592	1.589	(0.321)	350252	53.7975	71.730
10 Vinyl Chloride	62	1.675	1.684	(0.337)	476309	77.1366	102.85
11 Bromomethane	94	1.947	1.944	(0.392)	172769	50.4581	67.277
12 Chloroethane	64	2.030	2.027	(0.409)	221568	56.1079	74.810
13 Trichlorofluoromethane	101	2.207	2.204	(0.445)	357765	58.7935	78.391
15 Acrolein	56	2.515	2.524	(0.507)	625070	767.710	1023.6
16 Acetone	43	2.645	2.642	(0.533)	115739	34.8247	46.433
17 1,1-Dichloroethene	96	2.610	2.619	(0.526)	307060	52.1015	69.469
18 Freon-113	151	2.645	2.642	(0.533)	189227	52.7897	70.386
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78549.D
Report Date: 05-Jan-2005 12:51

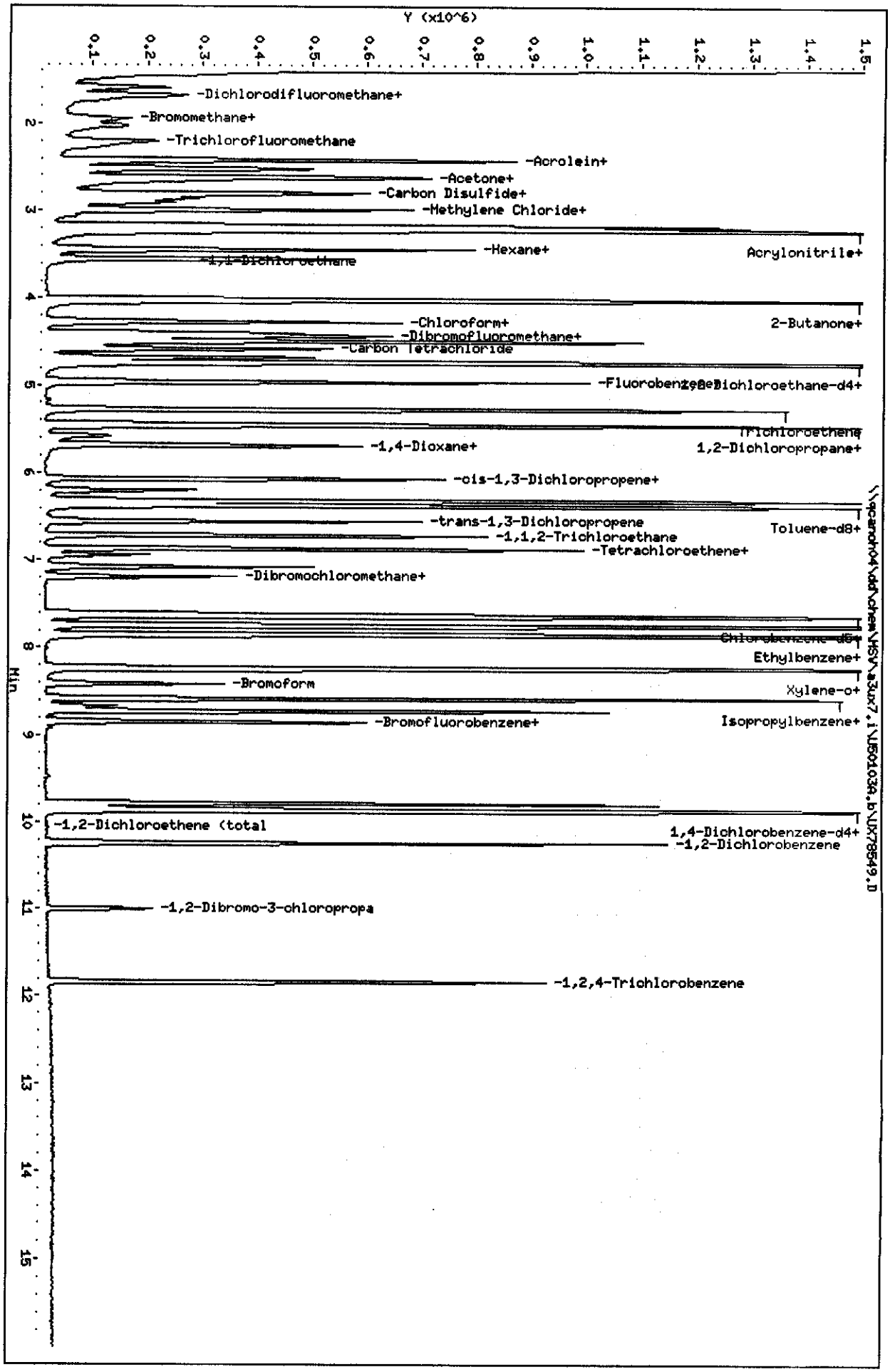
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.799	2.808	(0.564)	1133598	53.8971	71.863
	21 Methylene Chloride	84	2.988	2.985	(0.602)	388638	55.3369	73.782
	22 Acetonitrile	41	2.858	2.855	(0.576)	538614	758.324	1011.1
	23 Acrylonitrile	53	3.178	3.175	(0.640)	1441322	634.988	846.65
	24 Methyl tert-butyl ether	73	3.225	3.222	(0.650)	1131273	65.6098	87.480
	25 trans-1,2-Dichloroethene	96	3.213	3.222	(0.647)	394793	57.8528	77.137
	26 Hexane	86	3.438	3.447	(0.693)	78869	49.5269	66.036
	27 Vinyl acetate	43	3.438	3.577	(0.693)	261715	27.2292	36.306
	28 1,1-Dichloroethane	63	3.545	3.553	(0.714)	645934	57.4451	76.594
	29 tert-Butyl Alcohol	59	3.213	3.080	(0.647)	20678	53.3527	71.137
	30 2-Butanone	43	4.018	4.015	(0.809)	146007	41.0671	54.756
M	31 1,2-Dichloroethene (total)	96				1632636	232.903	310.54
	32 cis-1,2-dichloroethene	96	4.018	4.015	(0.809)	1237843	175.050	233.40
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.266	4.263	(0.859)	560505	52.3643	69.819
	36 Tetrahydrofuran	42	4.266	4.263	(0.859)	11702	4.80536	6.407
	37 1,1,1-Trichloroethane	97	4.432	4.441	(0.893)	418365	48.7594	65.012
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.574	4.583	(0.921)	348318	51.6480	68.864
	40 1,2-Dichloroethane	62	4.740	4.737	(0.955)	540530	66.6281	88.837
	41 Benzene	78	4.740	4.737	(0.955)	1657003	60.9671	81.289(R)
	42 Trichloroethene	130	5.272	5.269	(1.062)	523785	70.3103	93.747(R)
	43 1,2-Dichloropropane	63	5.450	5.458	(1.098)	362125	58.2661	77.688
	44 1,4-Dioxane	88	5.580	5.577	(1.124)	174876	3536.74	4715.6(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.686	5.683	(1.145)	418963	53.9863	71.982
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	6.065	6.074	(1.222)	482220	48.0568	64.076
	49 4-Methyl-2-pentanone	43	6.195	6.192	(1.248)	234551	45.1839	60.245
	50 Toluene	91	6.373	6.370	(0.837)	1435785	52.1488	69.532
	51 trans-1,3-Dichloropropene	75	6.550	6.547	(0.860)	414323	47.4495	63.266
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.716	6.713	(0.882)	293948	54.8534	73.138
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.870	6.878	(0.902)	274096	47.7923	63.723
	56 2-Hexanone	43	6.941	6.937	(0.911)	153675	32.9314	43.908
	57 Dibromochloromethane	129	7.083	7.079	(0.930)	292567	51.1091	68.145
	58 1,2-Dibromoethane	107	7.189	7.198	(0.944)	269101	49.5495	66.066
	59 Chlorobenzene	112	7.651	7.647	(1.005)	861636	49.8885	66.518
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.745	7.742	(1.017)	463719	51.6162	68.822
	62 m + p-Xylene	106	7.852	7.860	(1.031)	1109959	99.1521	132.20
M	63 Xylenes (total)	106				1606063	146.101	194.80
	64 Xylene-o	106	8.230	8.227	(1.081)	496104	46.9485	62.598
	65 Styrene	104	8.242	8.239	(1.082)	855848	47.1012	62.802
	66 Bromoform	173	8.420	8.417	(1.106)	192025	51.1573	68.210

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78549.D
Report Date: 05-Jan-2005 12:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.585	8.582	(1.127)	1138354	46.4396	61.919
68 1,1,2,2-Tetrachloroethane	83	8.846	8.854	(0.898)	354532	59.7082	79.611
69 1,4-Dichloro-2-butene	53	8.656	8.902	(0.879)	3427	2.02490	2.700
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.792	9.789	(0.994)	587684	46.1968	61.596
81 1,4-Dichlorobenzene	146	9.875	9.872	(1.002)	651783	49.7954	66.394
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.242	10.239	(1.040)	569237	46.6771	62.236
84 1,2-Dibromo-3-chloropropane	157	11.011	11.008	(1.118)	69310	51.2980	68.397
85 1,2,4-Trichlorobenzene	180	11.839	11.848	(1.202)	350573	39.4272	52.570
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	2.420	2.172	(0.488)	18819	2.49953	3.333
89 Ethyl Ether	59	2.420	2.420	(0.488)	636593	141.603	188.80
91 3-Chloropropene	76	2.799	2.893	(0.564)	1133598	347.292	463.06(A)
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	4.018	4.065	(0.809)	146007	36.1671	48.223
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	4.752	4.645	(0.624)	2955	28.0776	37.437
99 n-Butanol	56	4.953	5.189	(0.650)	4333	40.3050	53.740
100 Methyl Methacrylate	41	5.580	5.544	(1.124)	7747	2.18597	2.915
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	8.668	8.668	(0.880)	84974	458.018	610.69(A)
98 Cyclohexane	56	4.491	4.500	(0.905)	614020	57.4799	76.640
143 Methyl Acetate	43	2.906	2.902	(0.585)	281383	56.3494	75.132
144 Methylcyclohexane	83	5.450	5.447	(1.098)	462567	45.1177	60.157
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U501030.b\UX78549.D
Date : 03-JAN-2005 14:00
Client ID: MW-31D/122204
Sample Info: G1QHK1AC,0.75HL/5HL
Purge Volume: 0.8
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Hexane+
Acrylonitrile+
-1,1-Dichloroethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane+
-Carbon Tetrachloride
-Fluorobenzene
-1,2-Dichloroethane-d4+
Trichloroethene
-1,4-Dioxane+
1,2-Dichloropropane+
-cis-1,3-Dichloropropene+
-trans-1,3-Dichloropropene
Toluene-d8+
-1,1,2-Trichloroethane
-Tetrachloroethene+
-Dibromochloromethane+
Chlorobenzene-d5+
Ethylbenzene+
-Bromoform
Xylene-o+
Isopropylbenzene+
-Bromofluorobenzene+
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux7.i\U501030.b\UX78549.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78550.D
Report Date: 05-Jan-2005 12:52

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78550.D
Lab Smp Id: G1QMK1AD Client Smp ID: MW-31D/122204
Inj Date : 03-JAN-2005 14:23
Operator : 1904 Inst ID: a3ux7.i
Smp Info : G1QMK1AD,0.75ML/5ML
Misc Info : U50103A,N8260UX7-3,,1904,3,,MSD
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\N8260UX7-3.m
Meth Date : 05-Jan-2005 12:43 quayler Quant Type: ISTD
Cal Date : 18-DEC-2004 02:43 Cal File: UX78168.D
Als bottle: 14 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.750	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.964	4.961	(1.000)	1024448	50.0000	
* 2 Chlorobenzene-d5	117	7.615	7.624	(1.000)	716735	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.851	9.848	(1.000)	342030	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.393	(0.886)	319901	54.3511	72.468
$ 5 1,2-Dichloroethane-d4	65	4.680	4.677	(0.943)	386442	55.6249	74.166
$ 6 Toluene-d8	98	6.313	6.310	(0.829)	1239461	53.4886	71.318
$ 7 Bromofluorobenzene	95	8.727	8.724	(1.146)	415190	52.2276	69.637
8 Dichlorodifluoromethane	85	1.450	1.447	(0.292)	186074	44.9397	59.920
9 Chloromethane	50	1.580	1.589	(0.318)	350707	53.2222	70.963
10 Vinyl Chloride	62	1.675	1.684	(0.337)	475664	76.1095	101.48
11 Bromomethane	94	1.947	1.944	(0.392)	188664	54.4404	72.587
12 Chloroethane	64	2.018	2.027	(0.407)	223850	56.0068	74.676
13 Trichlorofluoromethane	101	2.207	2.204	(0.445)	325979	52.9283	70.571
15 Acrolein	56	2.527	2.524	(0.509)	643815	781.262	1041.7
16 Acetone	43	2.645	2.642	(0.533)	107007	30.9238	41.232
17 1,1-Dichloroethene	96	2.621	2.619	(0.528)	300878	50.4411	67.255
18 Freon-113	151	2.645	2.642	(0.533)	166769	45.9673	61.290
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78550.D
Report Date: 05-Jan-2005 12:52

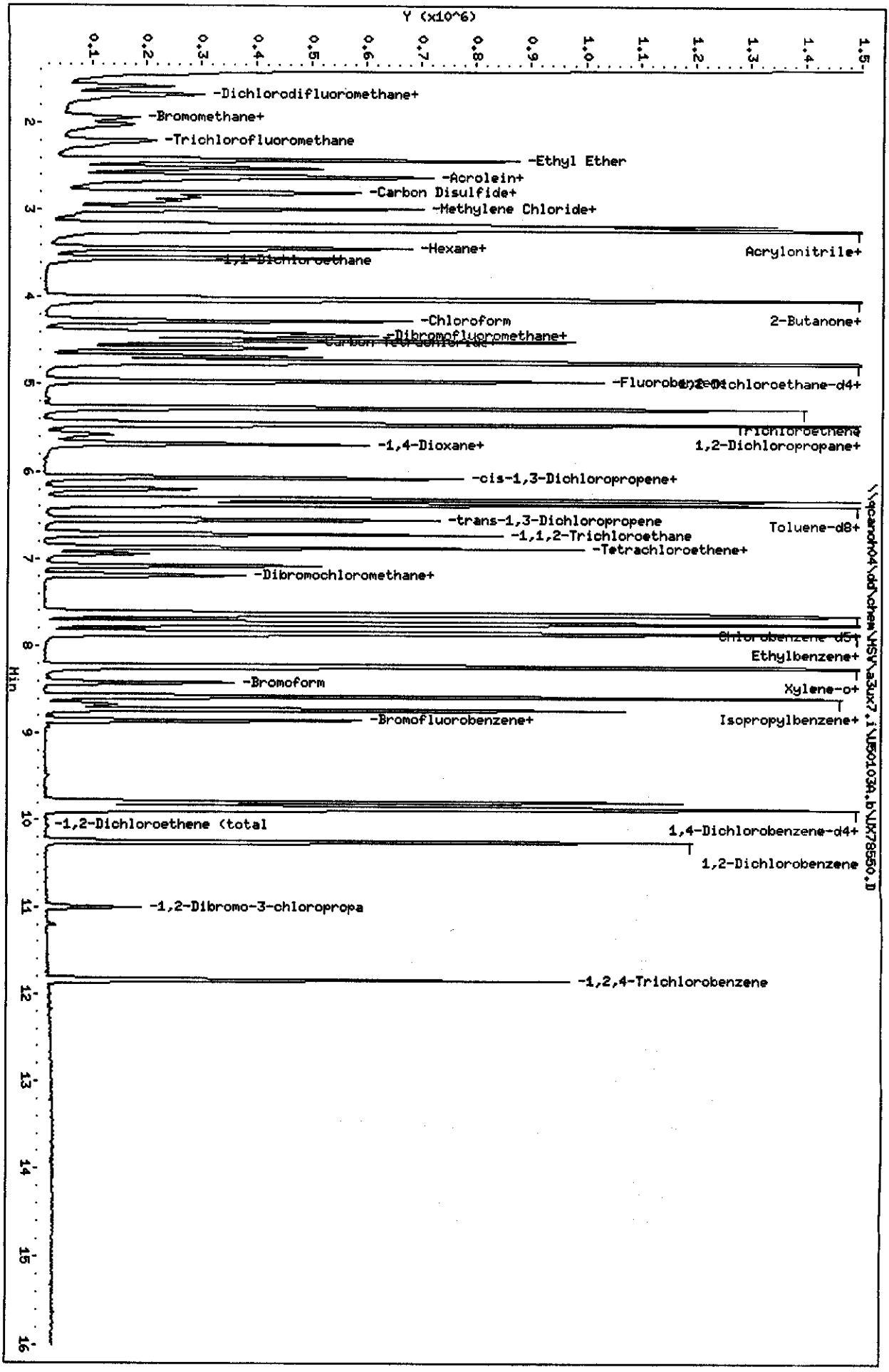
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.799	2.808	(0.564)	1127116	52.9471	70.596
	21 Methylene Chloride	84	2.988	2.985	(0.602)	402506	56.6876	75.583
	22 Acetonitrile	41	2.858	2.855	(0.576)	528458	735.114	980.15
	23 Acrylonitrile	53	3.177	3.175	(0.640)	1459918	635.477	847.30
	24 Methyl tert-butyl ether	73	3.225	3.222	(0.650)	1167551	66.9028	89.204
	25 trans-1,2-Dichloroethene	96	3.225	3.222	(0.650)	402478	58.2725	77.697
	26 Hexane	86	3.438	3.447	(0.693)	68615	42.5717	56.762
	27 Vinyl acetate	43	3.438	3.577	(0.693)	231998	23.8483	31.798
	28 1,1-Dichloroethane	63	3.544	3.553	(0.714)	660329	58.0220	77.363
	29 tert-Butyl Alcohol	59	3.213	3.080	(0.647)	20525	52.3237	69.765
	30 2-Butanone	43	4.018	4.015	(0.809)	147767	41.0644	54.752
M	31 1,2-Dichloroethene (total)	96				1688694	237.985	317.31
	32 cis-1,2-dichloroethene	96	4.018	4.015	(0.809)	1286216	179.712	239.62
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.266	4.263	(0.859)	580571	53.5893	71.452
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.432	4.441	(0.893)	415641	47.8617	63.816
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.586	4.583	(0.924)	337551	49.4520	65.936
	40 1,2-Dichloroethane	62	4.739	4.737	(0.955)	569607	69.3713	92.495
	41 Benzene	78	4.739	4.737	(0.955)	1709653	62.1509	82.868(R)
	42 Trichloroethene	130	5.272	5.269	(1.062)	534223	70.8525	94.470(R)
	43 1,2-Dichloropropane	63	5.449	5.458	(1.098)	374894	59.5982	79.464
	44 1,4-Dioxane	88	5.580	5.577	(1.124)	183858	3673.86	4898.5(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.686	5.683	(1.145)	429539	54.6861	72.915
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	6.065	6.074	(1.222)	510808	50.2961	67.061
	49 4-Methyl-2-pentanone	43	6.195	6.192	(1.248)	236933	45.0961	60.128
	50 Toluene	91	6.372	6.370	(0.837)	1448092	51.5909	68.788
	51 trans-1,3-Dichloropropene	75	6.550	6.547	(0.860)	438684	49.2795	65.706
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.715	6.713	(0.882)	298126	54.5701	72.760
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.869	6.878	(0.902)	266338	45.5523	60.736
	56 2-Hexanone	43	6.940	6.937	(0.911)	155604	32.7077	43.610
	57 Dibromochloromethane	129	7.082	7.079	(0.930)	308477	52.8588	70.478
	58 1,2-Dibromoethane	107	7.189	7.198	(0.944)	282249	50.9775	67.970
	59 Chlorobenzene	112	7.650	7.647	(1.005)	888210	50.4446	67.259
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.745	7.742	(1.017)	471573	51.4875	68.650
	62 m + p-Xylene	106	7.851	7.860	(1.031)	1133478	99.3185	132.42
M	63 Xylenes (total)	106				1653069	147.550	196.73
	64 Xylene-o	106	8.230	8.227	(1.081)	519591	48.2317	64.309
	65 Styrene	104	8.242	8.239	(1.082)	887102	47.8885	63.851
	66 Bromoform	173	8.419	8.417	(1.106)	200593	52.4189	69.892

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U50103A.b\UX78550.D
Report Date: 05-Jan-2005 12:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.585	8.582	(1.127)	1170593	46.8424	62.456
68 1,1,2,2-Tetrachloroethane	83	8.845	8.854	(0.898)	361494	60.0549	80.073
69 1,4-Dichloro-2-butene	53	8.668	8.902	(0.880)	2833	1.65122	2.202
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.792	9.789	(0.994)	599644	46.4976	61.997
81 1,4-Dichlorobenzene	146	9.875	9.872	(1.002)	671409	50.5991	67.466
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.242	10.239	(1.040)	587958	47.5583	63.411
84 1,2-Dibromo-3-chloropropane	157	11.011	11.008	(1.118)	67651	49.3910	65.855
85 1,2,4-Trichlorobenzene	180	11.839	11.848	(1.202)	372898	41.3691	55.159
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.420	2.420	(0.488)	671581	147.596	196.79
91 3-Chloropropene	76	2.799	2.893	(0.564)	1127116	341.170	454.89(A)
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	4.018	4.065	(0.809)	147767	36.1647	48.220
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	4.491	4.645	(0.590)	287540	2679.93	3573.2(A)
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	5.449	5.544	(1.098)	363382	101.308	135.08
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	8.668	8.668	(0.880)	84165	446.900	595.87(A)
98 Cyclohexane	56	4.491	4.500	(0.905)	549966	50.8670	67.823
143 Methyl Acetate	43	2.905	2.902	(0.585)	282680	55.9311	74.575
144 Methylcyclohexane	83	5.449	5.447	(1.098)	413262	39.8258	53.101
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.


Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\U50103A.b\UX78550.D
Date : 03-JAN-2005 14:23
Client ID: MW-31D/122204
Sample Info: C10HK1AD,0.75ML/5ML
Purge Volume: 0.8
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Ethyl Ether
-Acrolein+
-Carbon Disulfide+
-Methylene Chloride+
-Hexane+
-1,1-Dichloroethane
Acrylonitrile+
-Chloroform
-Dibromofluoromethane+
Carbon Tetrachloride
2-Butanone+
-Fluorobenzene
1,2-Dichloroethane-d4+
Trichloroethene
-1,4-Dioxane+
1,2-Dichloropropane+
-cis-1,3-Dichloropropene+
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene+
Toluene-d8+
-Dibromochloromethane+
Chlorobenzene-d5+
Ethylbenzene+
-Bromoform
Xylene-o+
-Bromofluorobenzene+
Isopropylbenzene+
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene

SEVERN TRENT STL

MISCELLANEOUS DATA

UX7
Batch # _____

STL-North Canton
GC/MS VOA Run Log

Date: 12-17-04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold – min	to – C @ – C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V2525 SS # V2589		Heated purge: Yes (No)

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB 473	50ng		1627	ok
	8260 STD		UX78144	200ng	V2574 V2575,81,80		ok
			UX78145	100ng			ok
			UX78146	50ng		V41217	ok
			UX78147	25ng			ok
			UX78148	10ng			ok
			UX78149	5ng			ok
	ICV		UX78150	50ng	V2574,88		ok
	BLANK		UX78151	5ML			–
			52				–
			53				–
			54				–
			55				–
			56				–
			57				–
			58				–
			59				–
			60				–
			61				–
			UX78162				–

RG 12-18-04

Analyst: RG
Level 2 review: SHM

UX7
Batch # _____

STL-North Canton
GC/MS VOA Run Log

Date: 12-18-04

Column
Type: DB624
Length 20 M
I.D. 0.18 mm
Flow Rate 0.4ml/min

BFB
100 C for 0.1 min
to 200 C @ 20 C/min
Hold -- min

Analysis
45 C for 2 min
to 200 C @ 15 C/min
to -- C @ -- C/min
Hold 3 min

Purge & Trap
Trap: #10
Purge: 11
Desorb: 1 min @240 C
Bake: 5 min @ 250 C
Heated purge: Yes (No)

IS # V2525 SS # —

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number/ Sample prep	Comments	Sample status
	BFB		BFB474	50ng		0027	ok
	APL IB STD		UX78163	200ng	V2576,77		ok
			UX78164	100ng			ok
			UX78165	50ng		V41218-A9	ok
			UX78166	25ng			ok
			UX78167	10ng			ok
			UX78168	5ng			ok

RO 12-20-04

Analyst: RO
Level 2 review: SMM

UX7
Batch # 5003269

STL-North Canton
GC/MS VOA Run Log

Date: 12-30-04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold – min	to – C @ – C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V2617 SS # V2618	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

1/3

Auto num	Sample ID Workorder #	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB489	50ng		1030	ok
	8260 STD		UX78508	50ng	V2617,2730	V41217	ok
	All IS STD		09	50ng	V2613,31	V41218	ok
	CHECK	8132Z	10	50ng	V2631		ok
	CHECK		11	50ng			ok
	BLANK		12	5ml			ok
	61NWL1AA		13	5ml			ok
	61QKY1AA		14	5ml			ok
	61QL51AA		15				ok
	61QKL1AA		16				ok
	61QN1AA		17	0.75ml/5ml			ok
	61QK71AA		18	5ml			ok
	61QKY1AC	ms	19	5ml	+5ng		ok
	61QKY1AD	msd	20				ok
	61QK81AA		21	5ml		R- 2ml	
	61QK91AA		22			R- c/o?	ok
	61QLA1AA		23				ok
	61QLC1AA		24				ok
	61QLD1AA		25				ok
	61QLE1AA		26				ok
	61QLF1AA		27				ok
	61QMM1AA		28				ok
	61QMN1AA		29				ok
	61QMQ1AA		30				ok
	61QMT1AA		31				ok
	61QMU1AA		32				ok
	61QMW1AA		33				ok
	61QMD1AA		UX78534				ok
	61QK91AA	12-30-04	UX78535 ~~UX78534~~	5ml			ok
	61QKF1AA	Reprocessed	UX78536 ~~UX78535~~	2ml/5ml			ok
						The 1-5-05	

Analyst: RO
Level 2 review: JM

UX7
Batch # 5005223

STL-North Canton
GC/MS VOA Run Log

Date: 1-3-05

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V2617 SS # V2618	1/12	Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB490	50ng		0853	ok
	8260 STB		UX78537	50ng	V2617, 30, 36	V41217	ok
	APP. IV STB		38	50ng	V2612, 35	V41218	ok
	CHECK	61507	39	50ng	V2631		ok
	CHECK		40	50ng			ok
	BLANK		41	5ML			ok
	61QMK1AA		42	0.75ml/5ml			ok
	61QMF1AA		43				ok
	61QMJ1AA		44	0.3ml/5ml			ok
	61QML1AA		45				ok
	61QLG1AA		46	5ML			ok
	61QMD1AA		47				ok
	61QLG1AA		48	0.01ml/5ml			ok
	61QMK1AC	MS	49	0.75ml/5ml	+50ng		ok
	61QMK1AD	MSD	50				ok
	61QMX1AA		51	5ML			ok
	61QMG1AA		52	5ML			ok
	61QMH1AA		53				ok
	61QLH1AA		54				ok
	61QLJ1AA		55				ok
	61QLK1AA		56				ok
	61QLL1AA		57				ok
	61QLM1AA		58				ok
	61QLP1AA		59				ok
	61QLQ1AA		60				ok
	61QLR1AA		61				ok
	61QLT1AA		62				ok
	61QLV1AA		UX78563				ok
	~~GORAW2AA~~		~~UX78564~~	~~2ml/5ml~~		RQ 1-3-05	
	~~BLANK~~		~~UX78565~~	~~5ml~~		RQ 1-3-05	

Analyst: RQ
Level 2 review: SMM

1

Severn Trent Laboratories, Inc

System Date: 12/23/04 9:39:37
Local Date: 12/23/04 11:39:37

MSVOC Lot Summary - A4L230115

SDG: 4L23115 64/65

Date Received: 12/23/04
Date Analysis Due: 1/12/05 N
Date Report Due: 1/18/05
Turnaround Time: 20

IENT: 5670 PAYNE FIRM INC.
OJECT MANAGER: Roger K. Toth
TE: EMD CHEMICAL/OHIO
T COMMENTS:
PACKAGE: Expanded Deliverables

FC=N

PH=1

AMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
01	G1QL6-1AA	XX I 25 QK 01 MS8260LL		12/21/04 10:07	1/04/05	Y	WRPZ15/122104 Q: CLP MSVOA TCL Standard List EMS REQ. CLT SPEC. SDG# 4L23115 (CLOSED)EXP. DEL. AP9 Compounds
02	G1QMD-1AA	XX I 25 QK 01 MS8260LL		12/21/04 10:03	1/04/05	Y	WRPZ20/122104 Q: CLP MSVOA TCL Standard List EMS REQ. CLT SPEC. SDG# 4L23115 (CLOSED)EXP. DEL. AP9 Compounds
03	G1QMF-1AA	XX I 25 QK 01 MS8260LL		12/21/04 13:27	1/04/05	Y	MW-26/122104 Q: CLP MSVOA TCL Standard List EMS REQ. CLT SPEC. SDG# 4L23115 (CLOSED)EXP. DEL. AP9 Compounds
04	G1QMG-1AA	XX I 25 QK 01 MS8260LL		12/21/04 14:40	1/04/05	Y	MW-1/122104 Q: CLP MSVOA TCL Standard List EMS REQ. CLT SPEC. SDG# 4L23115 (CLOSED)EXP. DEL. AP9 Compounds
05	G1QMH-1AA	XX I 25 QK 01 MS8260LL		12/21/04 15:29	1/04/05	Y	MW-2/122104 Q: CLP MSVOA TCL Standard List EMS REQ. CLT SPEC. SDG# 4L23115 (CLOSED)EXP. DEL. AP9 Compounds
06	G1QMJ-1AA	XX I 25 QK 01 MS8260LL		12/22/04 10:10	1/05/05	Y	MW-8/122204 Q: CLP MSVOA TCL Standard List EMS REQ. CLT SPEC. SDG# 4L23115 (CLOSED)EXP. DEL. AP9 Compounds
07	G1QMK-1AA	XX I 25 QK 01 MS8260LL		12/22/04 11:05	1/05/05	Y	MW-31D/122204 Q: CLP MSVOA TCL Standard List EMS REQ. THIS SAM. SDG# 4L23115 (CLOSED)EXP. DEL. AP9 Compounds
07-D	"	-1AD XX I 25 QK 01 MS8260LL		12/22/04	1/04/05	Y	AP9 Compounds
07-S	"	-1AC XX I 25 QK 01 MS8260LL		12/22/04	1/04/05	Y	AP9 Compounds
08	G1QML-1AA	XX I 25 QK 01 MS8260LL		12/22/04 10:00	1/05/05	Y	WEST RAVINE OUTFALL/122204 Q: CLP MSVOA TCL Standard List EMS REQ. CLT SPEC. SDG# 4L23115 (CLOSED)EXP. DEL. AP9 Compounds
09	G1QMM-1AA	XX I 25 QK 01 MS8260LL		12/20/04 14:50	1/03/05	Y	INFLOW/122004 Q: CLP MSVOA TCL Standard List EMS REQ. CLT SPEC. SDG# 4L23115 (CLOSED)EXP. DEL. AP9 Compounds
010	G1QMN-1AA	XX I 25 QK 01 MS8260LL		12/20/04 15:10	1/03/05	Y	OUTFLOW/122004 Q: CLP MSVOA TCL Standard List EMS REQ. CLT SPEC. SDG# 4L23115 (CLOSED)EXP. DEL. AP9 Compounds
011	G1QMP-1AA	XX I 25 QK 01 MS8260LL		12/22/04	1/05/05	Y	DUP 01/122204 Q: CLP MSVOA TCL Standard List EMS REQ. CLT SPEC. SDG# 4L23115 (CLOSED)EXP. DEL. AP9 Compounds

3

9

3

64/65

Severn Trent Laboratories, Inc

System Date: 12/23/04 9:39:37
Local Date: 12/23/04 11:39:37

MSVOC Lot Summary - A4L230115

SDG: 4L23115

65

Date Received: 12/23/04
Date Analysis Due: 1/12/05 N
Date Report Due: 1/18/05
Turnaround Time: 20

IENT: 5670 PAYNE FIRM INC.
OJECT MANAGER: Roger K. Toth
TE: EMD CHEMICAL/OHIO
T COMMENTS:
PACKAGE: Expanded Deliverables

FC=N

MP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
12-	G1QMQ-1AA	XX I 25 QK 01 MS8260LL		12/20/04	1/03/05	Y	DUP 02/122004 Q: CLP MSVOA TCL Standard List EMS REQ. CLT SPEC. SDG# 4L23115 (CLOSED)EXP. DEL. AP9 Compounds
13-	G1QMT-1AA	XX I 25 QK 01 MS8260LL		12/21/04 14:00	1/04/05	Y	FB01/122104 Q: CLP MSVOA TCL Standard List EMS REQ. CLT SPEC. SDG# 4L23115 (CLOSED)EXP. DEL. AP9 Compounds
14-	G1QMV-1AA	XX I 25 QK 01 MS8260LL		12/20/04 13:20	1/03/05	Y	FB02/122004 Q: CLP MSVOA TCL Standard List EMS REQ. CLT SPEC. SDG# 4L23115 (CLOSED)EXP. DEL. AP9 Compounds
15-	G1QMW-1AA	XX I 25 QK 01 MS8260LL		12/21/04 13:45	1/04/05	Y	RW01/122104 Q: CLP MSVOA TCL Standard List EMS REQ. CLT SPEC. SDG# 4L23115 (CLOSED)EXP. DEL. AP9 Compounds
016-	G1QMX-1AA	XX I 25 QK 01 MS8260LL		12/21/04 16:20	1/04/05	Y	RW02/122104 Q: CLP MSVOA TCL Standard List EMS REQ. CLT SPEC. SDG# 4L23115 (CLOSED)EXP. DEL. AP9 Compounds
017	G1QMO-1AA	XX I 25 QK 01 MS8260LL		12/20/04	1/03/05	Y	TB01/122004 Q: CLP MSVOA TCL Standard List EMS REQ. CLT SPEC. SDG# 4L23115 (CLOSED)EXP. DEL. AP9 Compounds

3

2

Plt=1

01/17/05 12:05:46 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A4L230115	1	G1QL61AA	MS8260LL	1/03/05	Richard Quayle
A4L230115	2	G1QMD1AA	MS8260LL	1/03/05	Richard Quayle
A4L230115	3	G1QMF1AA	MS8260LL	1/03/05	Richard Quayle
A4L230115	4	G1QMG1AA	MS8260LL	1/03/05	Richard Quayle
A4L230115	5	G1QMH1AA	MS8260LL	1/03/05	Richard Quayle
A4L230115	6	G1QMJ1AA	MS8260LL	1/03/05	Richard Quayle
A4L230115	7	G1QMK1AA	MS8260LL	1/03/05	Richard Quayle
A4L230115	8	G1QML1AA	MS8260LL	1/03/05	Richard Quayle
A4L230115	9	G1QMM1AA	MS8260LL	12/30/04	Richard Quayle
A4L230115	10	G1QMN1AA	MS8260LL	12/30/04	Richard Quayle
A4L230115	11	G1QMP1AA	MS8260LL	12/30/04	Richard Quayle
A4L230115	12	G1QMQ1AA	MS8260LL	12/30/04	Richard Quayle
A4L230115	13	G1QMT1AA	MS8260LL	12/30/04	Richard Quayle
A4L230115	14	G1QMV1AA	MS8260LL	12/30/04	Richard Quayle
A4L230115	15	G1QMW1AA	MS8260LL	12/30/04	Richard Quayle
A4L230115	16	G1QMX1AA	MS8260LL	1/03/05	Richard Quayle
A4L230115	17	G1QM01AA	MS8260LL	12/30/04	Richard Quayle

* * * E N D O F R E P O R T * * *

SEVERN TRENT STL

END OF REPORT