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SEVERN TRENT STL

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ANALYTICAL REPORT

PROJECT NO. 100.58.15

EMD RCRA V.A.

Lot #: A4H170141

Angela Hurley

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

SEVERN TRENT LABORATORIES, INC.

Roger K. Toth
Project Manager

September 8, 2004

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE

A4H170141

The following report contains the analytical results for fourteen water samples and one quality control sample submitted to STL North Canton by The Payne Firm, Inc. from the EMD RCRA V.A. Site, project number 100.58.15. The samples were received August 17, 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 August 30, 2004. 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 1.1°C.

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 MW505A/081604 had RPD's and 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) 4240553 and 4237295 had RPD's and 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 pH of the sample(s) MW011A/081604, DW001/081604, and DW002/081604 was greater than 2. The sample(s) was analyzed within the normal 14 day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably Benzene, Toluene, and Ethylbenzene are susceptible to biological degradation if samples are not preserved to a pH of 2.

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 (non-detected) 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) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed 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, ICPMS or GFAA only*

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

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 do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

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 is 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 surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

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 criterion is that one of two surrogate compounds must meet acceptance criteria.

STL North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#100439), Kansas (#E10336), Louisiana (#04112), Maryland (#272), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Ohio (#6090), OhioVAP (#CL0024), Rhode Island (#237), South Carolina (#92007001, #92007002, #92007003), Tennessee (#02903), Utah (#QUAN9), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)

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SEVERN TRENT STL

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A4H170141

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW008/081604 08/16/04 10:18 001				
Benzene	16 J,B	17	ug/L	SW846 8260B
Chlorobenzene	3.9 J	17	ug/L	SW846 8260B
cis-1,2-Dichloroethene	400	17	ug/L	SW846 8260B
1,2-Dichloroethene (total)	400	33	ug/L	SW846 8260B
Methylene chloride	29 B	17	ug/L	SW846 8260B
Styrene	5.2 J,B	17	ug/L	SW846 8260B
Vinyl chloride	180	17	ug/L	SW846 8260B
MW011C/081604 08/16/04 11:25 002				
Benzene	0.46 J,B	1.0	ug/L	SW846 8260B
Chloromethane	0.32 J	1.0	ug/L	SW846 8260B
Styrene	0.34 J,B	1.0	ug/L	SW846 8260B
MW011A/081604 08/16/04 13:05 003				
Acetone	5.9 J	10	ug/L	SW846 8260B
2-Butanone	1.7 J	10	ug/L	SW846 8260B
Xylenes (total)	1.5 J	2.0	ug/L	SW846 8260B
MW015/081604 08/16/04 14:15 004				
Benzene	14 B	10	ug/L	SW846 8260B
1,1-Dichloroethane	71	10	ug/L	SW846 8260B
1,2-Dichloroethane	16	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	320	10	ug/L	SW846 8260B
trans-1,2-Dichloroethene	5.0 J	10	ug/L	SW846 8260B
1,2-Dichloroethene (total)	320	20	ug/L	SW846 8260B
Methylene chloride	17 B	10	ug/L	SW846 8260B
Styrene	3.1 J,B	10	ug/L	SW846 8260B
Trichloroethene	21	10	ug/L	SW846 8260B
Vinyl chloride	48	10	ug/L	SW846 8260B
MW017/081604 08/16/04 15:36 005				
Acetone	1.3 J	10	ug/L	SW846 8260B
Benzene	0.48 J,B	1.0	ug/L	SW846 8260B
Styrene	0.27 J,B	1.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4H170141

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
OUTFALL/081604 08/16/04 10:10 006				
Acetone	400	250	ug/L	SW846 8260B
Benzene	170 B	25	ug/L	SW846 8260B
Chlorobenzene	37	25	ug/L	SW846 8260B
Chloroform	22 J	25	ug/L	SW846 8260B
cis-1,2-Dichloroethene	670	25	ug/L	SW846 8260B
1,2-Dichloroethene (total)	670	50	ug/L	SW846 8260B
1,4-Dioxane	2000	1200	ug/L	SW846 8260B
Ethylbenzene	140	25	ug/L	SW846 8260B
Methylene chloride	69 B	25	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	19 J	25	ug/L	SW846 8260B
Tetrachloroethene	19 J	25	ug/L	SW846 8260B
Toluene	580	25	ug/L	SW846 8260B
Trichloroethene	30	25	ug/L	SW846 8260B
Vinyl chloride	18 J	25	ug/L	SW846 8260B
Xylenes (total)	680	50	ug/L	SW846 8260B
DUP02/081604 08/16/04 007				
Benzene	11 J,B	12	ug/L	SW846 8260B
1,1-Dichloroethane	7.0 J	12	ug/L	SW846 8260B
1,2-Dichloroethane	130	12	ug/L	SW846 8260B
cis-1,2-Dichloroethene	300	12	ug/L	SW846 8260B
trans-1,2-Dichloroethene	47	12	ug/L	SW846 8260B
1,2-Dichloroethene (total)	340	25	ug/L	SW846 8260B
1,4-Dioxane	6100	620	ug/L	SW846 8260B
Methylene chloride	30 B	12	ug/L	SW846 8260B
Styrene	3.5 J,B	12	ug/L	SW846 8260B
Vinyl chloride	97	12	ug/L	SW846 8260B
TB01/081604 08/16/04 008				
Benzene	0.39 J,B	1.0	ug/L	SW846 8260B
Styrene	0.26 J,B	1.0	ug/L	SW846 8260B
MW505A/081604 08/16/04 14:03 009				
Benzene	11 J,B	12	ug/L	SW846 8260B
1,1-Dichloroethane	6.9 J	12	ug/L	SW846 8260B
1,2-Dichloroethane	140	12	ug/L	SW846 8260B
cis-1,2-Dichloroethene	300	12	ug/L	SW846 8260B
trans-1,2-Dichloroethene	52	12	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4H170141

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW505A/081604 08/16/04 14:03 009				
1,2-Dichloroethene (total)	350	25	ug/L	SW846 8260B
1,4-Dioxane	5600	620	ug/L	SW846 8260B
Methylene chloride	25 B	12	ug/L	SW846 8260B
Styrene	3.3 J,B	12	ug/L	SW846 8260B
Vinyl chloride	110	12	ug/L	SW846 8260B
DW001/081604 08/16/04 10:46 010				
Acetone	2.3 J	10	ug/L	SW846 8260B
Benzene	0.61 J,B	1.0	ug/L	SW846 8260B
Carbon disulfide	0.33 J	1.0	ug/L	SW846 8260B
Chloromethane	0.28 J	1.0	ug/L	SW846 8260B
Styrene	1.3 B	1.0	ug/L	SW846 8260B
Toluene	0.47 J	1.0	ug/L	SW846 8260B
DW002/081604 08/16/04 11:18 011				
Acetone	5.0 J	10	ug/L	SW846 8260B
2-Butanone	1.1 J	10	ug/L	SW846 8260B
1,2-Dichloroethane	0.21 J	1.0	ug/L	SW846 8260B
Xylenes (total)	2.3	2.0	ug/L	SW846 8260B
DW003/081604 08/16/04 12:01 012				
Acetone	2.3 J	10	ug/L	SW846 8260B
Benzene	0.40 J,B	1.0	ug/L	SW846 8260B
Carbon disulfide	0.33 J	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	0.40 J	1.0	ug/L	SW846 8260B
Methylene chloride	0.35 J,B	1.0	ug/L	SW846 8260B
Styrene	0.63 J,B	1.0	ug/L	SW846 8260B
Toluene	0.19 J	1.0	ug/L	SW846 8260B
DW004/081604 08/16/04 11:48 013				
Benzene	0.40 J,B	1.0	ug/L	SW846 8260B
Carbon disulfide	1.1	1.0	ug/L	SW846 8260B
Styrene	0.78 J,B	1.0	ug/L	SW846 8260B
Toluene	0.21 J	1.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4H170141

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW504/081604 08/16/04 13:28 014				
Benzene	0.49 J,B	1.0	ug/L	SW846 8260B
Chloroform	2.6	1.0	ug/L	SW846 8260B
Styrene	0.19 J,B	1.0	ug/L	SW846 8260B
Tetrachloroethene	0.83 J	1.0	ug/L	SW846 8260B
Trichloroethene	1.6	1.0	ug/L	SW846 8260B
MW505B/081604 08/16/04 14:32 015				
Benzene	2.7 J,B	8.3	ug/L	SW846 8260B
cis-1,2-Dichloroethene	18	8.3	ug/L	SW846 8260B
trans-1,2-Dichloroethene	5.1 J	8.3	ug/L	SW846 8260B
1,2-Dichloroethene (total)	23	17	ug/L	SW846 8260B
1,4-Dioxane	11000	420	ug/L	SW846 8260B

SEVERN TRENT STL

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A4H170141

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.

SEVERN TRENT STL

SAMPLE SUMMARY

SAMPLE SUMMARY

A4H170141

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GM9VX	001	MW008/081604	08/16/04	10:18
GM9V7	002	MW011C/081604	08/16/04	11:25
GM9WC	003	MW011A/081604	08/16/04	13:05
GM9WF	004	MW015/081604	08/16/04	14:15
GM9WH	005	MW017/081604	08/16/04	15:36
GM9WJ	006	OUTFALL/081604	08/16/04	10:10
GM9W4	007	DUP02/081604	08/16/04	
GM9W9	008	TB01/081604	08/16/04	
GM9XA	009	MW505A/081604	08/16/04	14:03
GM9XE	010	DW001/081604	08/16/04	10:46
GM9XK	011	DW002/081604	08/16/04	11:18
GM9XM	012	DW003/081604	08/16/04	12:01
GM9XN	013	DW004/081604	08/16/04	11:48
GM9XT	014	MW504/081604	08/16/04	13:28
GM9XV	015	MW505B/081604	08/16/04	14:32

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: KEVIN KELLINI	Date: 8/16/04	Chain of Custody Number: 153786
Address: 11231 CORNELL PARK DR.	Telephone Number (Area Code)/Fax Number: 513-489-2255 / 2533	Lab Number:	Page 1 of 2
City: CINCINNATI; State: OH; Zip Code: 45242	Site Contact: M. BACKHERM	Lab Contact: R. TOTH	
Project Name and Location (State): RCRA V.A. EMD ~~CHEMICAL~~, OHIO	Carrier/Waybill Number: STL - CIN		
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	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260	Special Instructions/ Conditions of Receipt
MW 008 / 081604	8/16/04	1018		X						3			X	Results To
MW 011C / 081604	8/16/04	1125		X						3			X	Kevin Kellini
MW 011A / 081604	8/16/04	1305		X						3			X	
MW 015 / 081604	8/16/04	1415		X						3			X	
MW 017 / 081604	8/16/04	1536		X						3			X	
OUTFALL / 081604	8/16/04	1010		X						3			X	
~~FB01 / 081604~~	8/16/04	—		X						3			X	CAC 8/16/04

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): LEVEL IV APPENDIX IX LIST

1. Relinquished By: [signature]	Date: 8/16/04	Time: 1650	1. Received By: [signature]	Date: 8/16/04	Time: 1650
2. Relinquished By: [signature]	Date: 8-16-04	Time: 1700	2. Received By: [signature]	Date: 8-17-04	Time: 0725
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

STL North Canton

Chain of Custody Record

SEVERN TRENT SERVICES **Severn Trent Laboratories, Inc.**

STL-4124 (0901)

Client: The Payne Firm	Project Manager: Kevin Kallini	Date: 8/16/04	Chain of Custody Number: 153654
Address: 4231 Cornell Park Drive	Telephone Number (Area Code)/Fax Number: 513-489-2255/513-489-2533	Lab Number:	Page 2 of 2
City: Cincinnati; State: OH; Zip Code: 45242	Site Contact: M. Backheam; Lab Contact: R. Toth		
Project Name and Location (State): RCRA V.A. OHIO EMD ~~Sub Quarter Monitoring~~ csc 8/16/04	Carrier/Waybill Number: STC. CIN		
Contract Purchase Order/Quote No.: [illegible] 58.15			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC-8260*	Special Instructions/ Conditions of Receipt
DUP02/081604	8/16/04	—		X						3			X	
FB01/081604		—		X						2			X	
MW505A/081604/MS/MSD		1403		X						3			X	*MS/MSD
DW001/081604		1046		X						3			X	*VOC Region IX
DW002/081604		1118		X						3			X	
DW003/081604		1201		X						3			X	
DW004/081604		1148		X						3			X	
MW504/081604		1328		X						3			X	
MW505A/081604		1403		X						3			X	
MW505B/081604		1432		X						3			X	

Mark Hanson 8/16/04

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_____

QC Requirements (Specify): Level 4, Appendix IX List

	Date	Time		Date	Time
1. Relinquished By: Mark Hanson	8/16/04	1650	1. Received By: [signature]	8/16/04	1650
2. Relinquished By: [signature]	8/16/04	1700	2. Received By: [signature]	8-17-04	0725
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

RSR280

Severn Trent Laboratories, Inc.
Sample Control Record

Client: 5670

Lot #: A4H170141

Case Number/SDG: 100.58.15

Storage Location: MS

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
GM9VX	EZZOL	8/17/04	Yes		Storage	
GM9V7	EZZOL	8/17/04	Yes		Storage	
GM9WC	EZZOL	8/17/04	Yes		Storage	
GM9WF	EZZOL	8/17/04	Yes		Storage	
GM9WH	EZZOL	8/17/04	Yes		Storage	
GM9WJ	EZZOL	8/17/04	Yes		Storage	
GM9W4	EZZOL	8/17/04	Yes		Storage	
GM9W9	EZZOL	8/17/04	Yes		Storage	
GM9XA	EZZOL	8/17/04	Yes		Storage	
GM9XE	EZZOL	8/17/04	Yes		Storage	
GM9XK	EZZOL	8/17/04	Yes		Storage	
GM9XM	EZZOL	8/17/04	Yes		Storage	
GM9XN	EZZOL	8/17/04	Yes		Storage	
GM9XT	EZZOL	8/17/04	Yes		Storage	
GM9XV	EZZOL	8/17/04	Yes		Storage	

STL Cooler Receipt Form/Narrative **Lot Number:** A4H170141
North Canton Facility

Client: Payne Firm Project: _____ Quote#: _____
Cooler Received on: 8-17-04 Opened on: 8-17-04 by: _____ (Signature)

Fedx ☐ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ Other: DS Cargo
STL Cooler No# 400 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 1.1 °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 _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐
Concerning:

√

1. CHAIN OF CUSTODY

The following discrepancies occurred:

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 #052804-HNO3; Sulfuric Acid Lot # 011-504-H2SO4; Sodium Hydroxide Lot # -031804-NaOH; Hydrochloric Acid Lot # 100902-HCl; Sodium Hydroxide and Zinc Acetate Lot # 112801-CH3COO2ZN/NaOH*
Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

MWSOSA all logged together in MS/MSD

Client ID	pH	Date	Initials

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp	Method	Coolant

Discrepancies Cont.

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: 4H17141

Lot #: A4H170141

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	MW008/081604	101	99	97	90	00
02	MW011C/081604	103	101	100	92	00
03	MW011A/081604	95	92	93	85	00
04	MW015/081604	100	102	101	95	00
05	MW017/081604	102	100	99	92	00
06	OUTFALL/081604	103	101	97	92	00
07	DUP02/081604	104	106	98	92	00
08	TB01/081604	98	97	96	88	00
09	MW505A/081604	105	108	98	91	00
10	DW001/081604	107	104	103	96	00
11	DW002/081604	91	88	91	86	00
12	DW003/081604	104	103	94	81	00
13	DW004/081604	102	98	97	90	00
14	MW504/081604	104	100	99	90	00
15	MW505B/081604	108	105	103	91	00
16	INTRA-LAB QC	108	101	104	92	00
17	INTRA-LAB QC	93	89	96	94	00
18	METHOD BLK. GNRMV1AA	93	88	92	88	00
19	METHOD BLK. GNXQQ1AA	102	102	101	94	00
20	METHOD BLK. GN5NR1AA	107	104	104	94	00
21	LCS GNRMV1AC	88	90	95	100	00
22	LCS GNXQQ1AC	103	105	100	100	00
23	LCS GN5NR1AC	105	97	104	101	00
24	MW505A/081604 D	102	98	96	93	00
25	LAB MS/MSD D	111	109	101	97	00
26	LAB MS/MSD D	92	93	98	98	00
27	LCSD GNRMV1AD	90	90	96	99	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: 4H17141

Lot #: A4H170141

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	LCSD GNXQQ1AD	103	102	99	96	00
02	LCSD GN5NR1AD	109	107	103	97	00
03	MW505A/081604 S	104	112	95	93	00
04	LAB MS/MSD S	107	106	102	98	00
05	LAB MS/MSD S	92	93	98	101	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 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H17141

Matrix Spike ID: MW505A/081604

Lot #: A4H170141 WO #: GM9XA1AC
BATCH: 4238597

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	120	ND	160	124	62 - 130	
Chloromethane	120	ND	120	93	40 - 137	
Bromomethane	120	ND	110	86	55 - 145	
Vinyl chloride	120	110	230	98	88 - 126	
Chloroethane	120	ND	140	109	59 - 142	
Methylene chloride	120	25	180	121*	82 - 115	a
Acetone	120	ND	56	45	45 - 128	
Carbon disulfide	120	ND	150	118	69 - 138	
1,1-Dichloroethane	120	6.9	150	116	88 - 127	
1,2-Dichloroethene (total	250	350	620	107	86 - 115	
Chloroform	120	ND	130	105	83 - 141	
1,2-Dichloroethane	120	140	270	100	71 - 160	
2-Butanone	120	ND	67	53*	71 - 123	a
1,1,1-Trichloroethane	120	ND	120	93	71 - 162	
Carbon tetrachloride	120	ND	130	101	63 - 176	
Bromodichloromethane	120	ND	120	98	80 - 146	
1,2-Dichloropropane	120	ND	120	97	87 - 114	
cis-1,3-Dichloropropene	120	ND	130	100	82 - 130	
Trichloroethene	120	ND	130	105	62 - 130	
Dibromochloromethane	120	ND	100	83	71 - 158	
1,1,2-Trichloroethane	120	ND	110	89	86 - 129	
Benzene	120	11	130	94	78 - 118	
trans-1,3-Dichloropropene	120	ND	100	84	73 - 147	
Bromoform	120	ND	84	67	58 - 176	
4-Methyl-2-pentanone	120	ND	87	69*	82 - 135	a
2-Hexanone	120	ND	65	52*	81 - 128	a
Tetrachloroethene	120	ND	110	89	85 - 121	
1,1,2,2-Tetrachloroethane	120	ND	110	89	88 - 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: 4H17141

Lot #: A4H240000 WO #: GNRMV1AC
BATCH: 4237295

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	7.6	76	48- 123	
Bromomethane	10	6.8	68	64- 129	
Vinyl chloride	10	7.4	74	61- 120	
Chloroethane	10	7.0	70	66- 126	
Methylene chloride	10	9.1	91	78- 118	
Acetone	10	5.6	56	22- 200	
Carbon disulfide	10	8.1	81	73- 139	
1,1-Dichloroethene	10	9.0	90	63- 130	
1,1-Dichloroethane	10	8.6	86	86- 123	
1,2-Dichloroethene (total	20	18	91	82- 116	
Chloroform	10	8.5	85	84- 128	
1,2-Dichloroethane	10	8.5	85	79- 136	
2-Butanone	10	7.3	73	28- 237	
1,1,1-Trichloroethane	10	8.6	86	78- 140	
Carbon tetrachloride	10	8.1	81	75- 149	
Bromodichloromethane	10	8.8	88	87- 130	
1,2-Dichloropropane	10	8.8	88	82- 115	
cis-1,3-Dichloropropene	10	8.7	87	84- 130	
Trichloroethene	10	8.9	89	75- 122	
Dibromochloromethane	10	9.6	96	81- 138	
1,1,2-Trichloroethane	10	8.7	87	83- 122	
Benzene	10	8.7	87	80- 116	
trans-1,3-Dichloropropene	10	8.3	83*	84- 130	a
Bromoform	10	10	102	76- 150	
4-Methyl-2-pentanone	10	9.4	94	78- 141	
2-Hexanone	10	7.8	78	35- 200	
Tetrachloroethene	10	8.8	88	88- 113	
1,1,2,2-Tetrachloroethane	10	9.2	92	85- 118	
Toluene	10	9.0	90	74- 119	
Chlorobenzene	10	8.8	88	76- 117	
Ethylbenzene	10	8.5	85*	86- 116	a

(Continued on next page)

SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4H17141

Lot #: A4H240000 WO #: GNRMV1AC
BATCH: 4237295

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	8.1	81*	85- 117	a
Xylenes (total)	30	25	83*	87- 116	a
cis-1,2-Dichloroethene	10	9.2	92	85- 113	
trans-1,2-Dichloroethene	10	9.0	90	79- 120	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 4 out of 35 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: 4H17141

Lot #: A4H240000 WO #: GNRMV1AD
BATCH: 4237295

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	8.7	87	48 - 123	
Bromomethane	10	7.4	74	64 - 129	
Vinyl chloride	10	8.6	86	61 - 120	
Chloroethane	10	7.5	75	66 - 126	
Methylene chloride	10	9.8	98	78 - 118	
Acetone	10	5.3	53	22 - 200	
Carbon disulfide	10	9.2	92	73 - 139	
1,1-Dichloroethene	10	10	104	63 - 130	
1,1-Dichloroethane	10	9.6	96	86 - 123	
1,2-Dichloroethene (total	20	20	100	82 - 116	
Chloroform	10	9.3	93	84 - 128	
1,2-Dichloroethane	10	9.6	96	79 - 136	
2-Butanone	10	6.9	69	28 - 237	
1,1,1-Trichloroethane	10	9.7	97	78 - 140	
Carbon tetrachloride	10	9.3	93	75 - 149	
Bromodichloromethane	10	9.6	96	87 - 130	
1,2-Dichloropropane	10	9.9	99	82 - 115	
cis-1,3-Dichloropropene	10	9.9	99	84 - 130	
Trichloroethene	10	10	101	75 - 122	
Dibromochloromethane	10	11	106	81 - 138	
1,1,2-Trichloroethane	10	9.5	95	83 - 122	
Benzene	10	9.6	96	80 - 116	
trans-1,3-Dichloropropene	10	9.1	91	84 - 130	
Bromoform	10	11	114	76 - 150	
4-Methyl-2-pentanone	10	9.4	94	78 - 141	
2-Hexanone	10	7.4	74	35 - 200	
Tetrachloroethene	10	9.5	95	88 - 113	
1,1,2,2-Tetrachloroethane	10	9.8	98	85 - 118	
Toluene	10	9.9	99	74 - 119	
Chlorobenzene	10	9.7	97	76 - 117	
Ethylbenzene	10	9.3	93	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: 4H17141

Lot #: A4H240000 WO #: GNRMV1AD

BATCH: 4237295

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.0	90	85- 117	
Xylenes (total)	30	27	90	87- 116	
cis-1,2-Dichloroethene	10	10	100	85- 113	
trans-1,2-Dichloroethene	10	10	100	79- 120	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 35 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: 4H17141

Lot #: A4H250000 WO #: GNXQQ1AC
BATCH: 4238597

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	8.7	87	48 - 123	
Bromomethane	10	8.0	80	64 - 129	
Vinyl chloride	10	9.1	91	61 - 120	
Chloroethane	10	10	102	66 - 126	
Methylene chloride	10	14	136*	78 - 118	a
Acetone	10	3.5	35	22 - 200	
Carbon disulfide	10	12	116	73 - 139	
1,1-Dichloroethene	10	12	121	63 - 130	
1,1-Dichloroethane	10	11	111	86 - 123	
1,2-Dichloroethene (total	20	22	109	82 - 116	
Chloroform	10	10	104	84 - 128	
1,2-Dichloroethane	10	9.7	97	79 - 136	
2-Butanone	10	5.1	51	28 - 237	
1,1,1-Trichloroethane	10	9.5	95	78 - 140	
Carbon tetrachloride	10	10	104	75 - 149	
Bromodichloromethane	10	9.7	97	87 - 130	
1,2-Dichloropropane	10	9.7	97	82 - 115	
cis-1,3-Dichloropropene	10	10	100	84 - 130	
Trichloroethene	10	10	104	75 - 122	
Dibromochloromethane	10	8.5	85	81 - 138	
1,1,2-Trichloroethane	10	9.1	91	83 - 122	
Benzene	10	9.8	98	80 - 116	
trans-1,3-Dichloropropene	10	9.0	90	84 - 130	
Bromoform	10	7.0	70*	76 - 150	a
4-Methyl-2-pentanone	10	7.1	71*	78 - 141	a
2-Hexanone	10	5.2	52	35 - 200	
Tetrachloroethene	10	9.8	98	88 - 113	
1,1,2,2-Tetrachloroethane	10	8.8	88	85 - 118	
Toluene	10	9.5	95	74 - 119	
Chlorobenzene	10	9.9	99	76 - 117	
Ethylbenzene	10	9.9	99	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: 4H17141

Lot #: A4H250000 WO #: GNXQQ1AC
BATCH: 4238597

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.5	95	85- 117	
Xylenes (total)	30	29	97	87- 116	
cis-1,2-Dichloroethene	10	10	100	85- 113	
trans-1,2-Dichloroethene	10	12	119	79- 120	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 3 out of 35 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: 4H17141

Lot #: A4H250000 WO #: GNXQQ1AD
BATCH: 4238597

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	8.6	86	48- 123	
Bromomethane	10	7.9	79	64- 129	
Vinyl chloride	10	9.3	93	61- 120	
Chloroethane	10	10	101	66- 126	
Methylene chloride	10	14	137*	78- 118	a
Acetone	10	4.1	41	22- 200	
Carbon disulfide	10	11	114	73- 139	
1,1-Dichloroethene	10	12	124	63- 130	
1,1-Dichloroethane	10	11	109	86- 123	
1,2-Dichloroethene (total	20	22	109	82- 116	
Chloroform	10	10	104	84- 128	
1,2-Dichloroethane	10	9.9	99	79- 136	
2-Butanone	10	5.1	51	28- 237	
1,1,1-Trichloroethane	10	9.8	98	78- 140	
Carbon tetrachloride	10	11	105	75- 149	
Bromodichloromethane	10	9.9	99	87- 130	
1,2-Dichloropropane	10	9.5	95	82- 115	
cis-1,3-Dichloropropene	10	10	100	84- 130	
Trichloroethene	10	11	106	75- 122	
Dibromochloromethane	10	8.6	86	81- 138	
1,1,2-Trichloroethane	10	9.1	91	83- 122	
Benzene	10	9.7	97	80- 116	
trans-1,3-Dichloropropene	10	8.9	89	84- 130	
Bromoform	10	6.8	68*	76- 150	a
4-Methyl-2-pentanone	10	7.0	70*	78- 141	a
2-Hexanone	10	5.2	52	35- 200	
Tetrachloroethene	10	10	100	88- 113	
1,1,2,2-Tetrachloroethane	10	8.9	89	85- 118	
Toluene	10	9.5	95	74- 119	
Chlorobenzene	10	9.8	98	76- 117	
Ethylbenzene	10	9.7	97	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: 4H17141

Lot #: A4H250000 WO #: GNXQQ1AD
BATCH: 4238597

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.2	92	85- 117	
Xylenes (total)	30	28	95	87- 116	
cis-1,2-Dichloroethene	10	10	100	85- 113	
trans-1,2-Dichloroethene	10	12	118	79- 120	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 3 out of 35 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: 4H17141

Lot #: A4H270000 WO #: GN5NR1AC
BATCH: 4240553

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	9.4	94	48 - 123	
Bromomethane	10	8.6	86	64 - 129	
Vinyl chloride	10	9.0	90	61 - 120	
Chloroethane	10	11	110	66 - 126	
Methylene chloride	10	13	128*	78 - 118	a
Acetone	10	6.4	64	22 - 200	
Carbon disulfide	10	13	126	73 - 139	
1,1-Dichloroethene	10	12	123	63 - 130	
1,1-Dichloroethane	10	12	117	86 - 123	
1,2-Dichloroethene (total	20	22	112	82 - 116	
Chloroform	10	10	105	84 - 128	
1,2-Dichloroethane	10	10	101	79 - 136	
2-Butanone	10	5.3	53	28 - 237	
1,1,1-Trichloroethane	10	9.6	96	78 - 140	
Carbon tetrachloride	10	11	110	75 - 149	
Bromodichloromethane	10	10	103	87 - 130	
1,2-Dichloropropane	10	10	101	82 - 115	
cis-1,3-Dichloropropene	10	9.8	98	84 - 130	
Trichloroethene	10	11	107	75 - 122	
Dibromochloromethane	10	9.9	99	81 - 138	
1,1,2-Trichloroethane	10	9.3	93	83 - 122	
Benzene	10	9.7	97	80 - 116	
trans-1,3-Dichloropropene	10	8.7	87	84 - 130	
Bromoform	10	8.8	88	76 - 150	
4-Methyl-2-pentanone	10	7.1	71*	78 - 141	a
2-Hexanone	10	5.4	54	35 - 200	
Tetrachloroethene	10	9.9	99	88 - 113	
1,1,2,2-Tetrachloroethane	10	9.6	96	85 - 118	
Toluene	10	9.6	96	74 - 119	
Chlorobenzene	10	10	101	76 - 117	
Ethylbenzene	10	10	100	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: 4H17141

Lot #: A4H270000 WO #: GN5NR1AC
BATCH: 4240553

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.7	97	85- 117	
Xylenes (total)	30	30	99	87- 116	
cis-1,2-Dichloroethene	10	10	102	85- 113	
trans-1,2-Dichloroethene	10	12	122*	79- 120	a

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 3 out of 35 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: 4H17141

Lot #: A4H270000 WO #: GN5NR1AD
BATCH: 4240553

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	9.3	93	48- 123	
Bromomethane	10	8.5	85	64- 129	
Vinyl chloride	10	9.2	92	61- 120	
Chloroethane	10	11	110	66- 126	
Methylene chloride	10	13	132*	78- 118	a
Acetone	10	6.8	68	22- 200	
Carbon disulfide	10	12	124	73- 139	
1,1-Dichloroethene	10	13	125	63- 130	
1,1-Dichloroethane	10	12	118	86- 123	
1,2-Dichloroethene (total	20	22	112	82- 116	
Chloroform	10	10	104	84- 128	
1,2-Dichloroethane	10	10	102	79- 136	
2-Butanone	10	5.5	55	28- 237	
1,1,1-Trichloroethane	10	9.7	97	78- 140	
Carbon tetrachloride	10	11	110	75- 149	
Bromodichloromethane	10	11	105	87- 130	
1,2-Dichloropropane	10	9.9	99	82- 115	
cis-1,3-Dichloropropene	10	10	100	84- 130	
Trichloroethene	10	11	106	75- 122	
Dibromochloromethane	10	9.8	98	81- 138	
1,1,2-Trichloroethane	10	9.4	94	83- 122	
Benzene	10	9.9	99	80- 116	
trans-1,3-Dichloropropene	10	8.4	84	84- 130	
Bromoform	10	8.7	87	76- 150	
4-Methyl-2-pentanone	10	7.5	75*	78- 141	a
2-Hexanone	10	5.4	54	35- 200	
Tetrachloroethene	10	9.8	98	88- 113	
1,1,2,2-Tetrachloroethane	10	9.3	93	85- 118	
Toluene	10	9.4	94	74- 119	
Chlorobenzene	10	9.9	99	76- 117	
Ethylbenzene	10	9.7	97	86- 116	

(Continued on next page)

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H17141

Lot #: A4H270000 WO #: GN5NR1AD
BATCH: 4240553

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.3	93	85- 117	
Xylenes (total)	30	29	96	87- 116	
cis-1,2-Dichloroethene	10	10	100	85- 113	
trans-1,2-Dichloroethene	10	12	124*	79- 120	a

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 3 out of 35 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: 4H17141

Matrix Spike ID: MW505A/081604

Lot #: A4H170141 WO #: GM9XA1AC
BATCH: 4238597

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Toluene	120	ND	110	91	70- 119	
Chlorobenzene	120	ND	120	96	76- 117	
Ethylbenzene	120	ND	120	93	86- 132	
Styrene	120	3.3	110	89	83- 120	
Xylenes (total)	380	ND	340	92	89- 121	
cis-1,2-Dichloroethene	120	300	430	104	87- 114	
trans-1,2-Dichloroethene	120	52	190	111	85- 116	

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: 4 out of 35 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: 4H17141

Matrix Spike ID: MW505A/081604

Lot #: A4H170141 WO #: GM9XA1AD
BATCH: 4238597

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	120	150	119	4.5		20	62 - 130	
Chloromethane	120	120	92	1.0		39	40 - 137	
Bromomethane	120	100	81	6.3		30	55 - 145	
Vinyl chloride	120	230	100	1.1		30	88 - 126	
Chloroethane	120	130	103	5.4		30	59 - 142	
Methylene chloride	120	170	119*	1.1		30	82 - 115	a
Acetone	120	600	480*	166	*	30	45 - 128	a p
Carbon disulfide	120	140	115	3.3		41	69 - 138	
1,1-Dichloroethane	120	150	114	1.2		30	88 - 127	
1,2-Dichloroethene (total	250	660	124*	6.6		30	86 - 115	a
Chloroform	120	130	105	0.28		30	83 - 141	
1,2-Dichloroethane	120	310	130	13		30	71 - 160	
2-Butanone	120	66	53*	1.2		30	71 - 123	a
1,1,1-Trichloroethane	120	110	90	3.3		30	71 - 162	
Carbon tetrachloride	120	130	101	0.40		30	63 - 176	
Bromodichloromethane	120	120	99	0.96		30	80 - 146	
1,2-Dichloropropane	120	120	96	0.19		30	87 - 114	
cis-1,3-Dichloropropene	120	120	97	3.1		30	82 - 130	
Trichloroethene	120	130	102	2.3		20	62 - 130	
Dibromochloromethane	120	110	85	3.1		30	71 - 158	
1,1,2-Trichloroethane	120	110	91	2.6		30	86 - 129	
Benzene	120	130	92	1.5		20	78 - 118	
trans-1,3-Dichloropropene	120	110	85	1.5		30	73 - 147	
Bromoform	120	88	70	4.4		30	58 - 176	
4-Methyl-2-pentanone	120	85	68*	2.2		30	82 - 135	a
2-Hexanone	120	64	51*	1.2		30	81 - 128	a
Tetrachloroethene	120	110	91	2.0		30	85 - 121	
1,1,2,2-Tetrachloroethane	120	110	87*	1.6		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: 4H17141

Matrix Spike ID: MW505A/081604

Lot #: A4H170141 WO #: GM9XA1AD
BATCH: 4238597

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Toluene	120	120	93	2.0	20	70 - 119	
Chlorobenzene	120	120	96	0.32	20	76 - 117	
Ethylbenzene	120	120	94	1.2	30	86 - 132	
Styrene	120	110	88	0.21	30	83 - 120	
Xylenes (total)	380	350	93	0.97	30	89 - 121	
cis-1,2-Dichloroethene	120	450	121*	4.8	30	87 - 114	a
trans-1,2-Dichloroethene	120	210	128*	11	30	85 - 116	a

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

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

RPD: 1 out of 35 outside limits
Spike Recovery: 9 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.

GNRMV1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4H17141

Lab File ID: UX79101.D

Lot Number: A4H170141

Date Analyzed: 08/23/04

Time Analyzed: 10:22

Matrix: WATER

Date Extracted:08/23/04

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	MW011A/081604	GM9WC1AA	UX79115.D	08/23/04	15:54
02	DW002/081604	GM9XK1AA	UX79116.D	08/23/04	16:17
03	INTRA-LAB QC	GNFC91AA	UX79106.D	08/23/04	12:24
04	LAB MS/MSD	GNFC91AC S	UX79107.D	08/23/04	12:47
05	LAB MS/MSD	GNFC91AD D	UX79108.D	08/23/04	13:11
06	CHECK SAMPLE	GNRMV1AC C	UX79099.D	08/23/04	09:35
07	DUPLICATE CHECK	GNRMV1AD L	UX79100.D	08/23/04	09:59
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COMMENTS:

FORM IV

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.

GNXQQ1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4H17141

Lab File ID: UX128960.

Lot Number: A4H170141

Date Analyzed: 08/24/04

Time Analyzed: 23:12

Matrix: WATER

Date Extracted:08/24/04

GC Column: DB-624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX12

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	MW008/081604	GM9VX1AA	UX128964.	08/25/04	00:49
02	MW011C/081604	GM9V71AA	UX128965.	08/25/04	01:14
03	MW015/081604	GM9WF1AA	UX128966.	08/25/04	01:38
04	MW017/081604	GM9WH1AA	UX128967.	08/25/04	02:02
05	OUTFALL/081604	GM9WJ1AA	UX128968.	08/25/04	02:26
06	DUP02/081604	GM9W41AA	UX128969.	08/25/04	02:51
07	TB01/081604	GM9W91AA	UX128970.	08/25/04	03:15
08	MW505A/081604	GM9XA1AA	UX128971.	08/25/04	03:39
09	MW505A/081604	GM9XA1AC S	UX128972.	08/25/04	04:02
10	MW505A/081604	GM9XA1AD D	UX128973.	08/25/04	04:27
11	DW001/081604	GM9XE1AA	UX128974.	08/25/04	04:51
12	DW003/081604	GM9XM1AA	UX128975.	08/25/04	05:15
13	DW004/081604	GM9XN1AA	UX128976.	08/25/04	05:39
14	MW504/081604	GM9XT1AA	UX128977.	08/25/04	06:04
15	CHECK SAMPLE	GNXQQ1AC C	UX128958.	08/24/04	22:23
16	DUPLICATE CHECK	GNXQQ1AD L	UX128959.	08/24/04	22:48
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COMMENTS:

FORM IV

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.

GN5NR1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4H17141

Lab File ID: UX128987.

Lot Number: A4H170141

Date Analyzed: 08/25/04

Time Analyzed: 17:58

Matrix: WATER

Date Extracted:08/25/04

GC Column: DB-624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX12

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	MW505B/081604	GM9XV1AA	UX129000.	08/25/04	23:16
02	INTRA-LAB QC	GNAWJ1AA	UX128998.	08/25/04	22:27
03	LAB MS/MSD	GNAWJ1AC S	UX129003.	08/26/04	00:28
04	LAB MS/MSD	GNAWJ1AD D	UX129004.	08/26/04	00:53
05	CHECK SAMPLE	GN5NR1AC C	UX128985.	08/25/04	17:09
06	DUPLICATE CHECK	GN5NR1AD L	UX128986.	08/25/04	17:34
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COMMENTS:

FORM IV

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.: A4H170141

Lab File ID: BFB380 BFB Injection Date: 08/21/04

Instrument ID: A3UX7 BFB Injection Time: 0756

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	23.9
75	30.0 - 60.0% of mass 95	53.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.3 (0.5)1
174	50.0 - 100.0% of mass 95	61.6
175	5.0 - 9.0% of mass 174	4.8 (7.9)1
176	Greater than 95.0%, but less than 101.0% of mass 174	58.9 (95.6)1
177	5.0 - 9.0% of mass 176	3.8 (6.4)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	VSTD001	5NG8260CAL	UX79038	08/21/04	0818
02	VSTD002	10NG8260CAL	UX79039	08/21/04	0841
03	VSTD005	25NG8260CAL	UX79040	08/21/04	0904
04	VSTD010	50NG8260CAL	UX79041	08/21/04	0927
05	VSTD020	100NG8260CAL	UX79042	08/21/04	0950
06	VSTD040	200NG8260CAL	UX79043	08/21/04	1014
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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.: A4H170141

Lab File ID: BFB382 BFB Injection Date: 08/23/04

Instrument ID: A3UX7 BFB Injection Time: 0813

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	25.7
75	30.0 - 60.0% of mass 95	55.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.4 (0.7)1
174	50.0 - 100.0% of mass 95	51.8
175	5.0 - 9.0% of mass 174	3.5 (6.8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	49.8 (96.2)1
177	5.0 - 9.0% of mass 176	3.2 (6.4)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	UX79098	08/23/04	0911
02	GNRMV-CHK	GNRMV1AC	UX79099	08/23/04	0935
03	GNRMV-CKDUP	GNRMV1AD	UX79100	08/23/04	0959
04	GNRMV-BLK	GNRMV1AA	UX79101	08/23/04	1022
05	MW011A/08160	GM9WC1AA	UX79115	08/23/04	1554
06	DW002/081604	GM9XK1AA	UX79116	08/23/04	1617
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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.: A4H170141

Lab File ID: BFB677 BFB Injection Date: 05/27/04

Instrument ID: A3UX12 BFB Injection Time: 2107

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	17.2
75	30.0 - 60.0% of mass 95	45.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.2 (0.3)1
174	50.0 - 100.0% of mass 95	87.1
175	5.0 - 9.0% of mass 174	6.6 (7.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	84.9 (97.4)1
177	5.0 - 9.0% of mass 176	5.6 (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	VSTD0.5	2.5NG-IC	UX126992	05/27/04	2205
02	VSTD001	5NG-IC	UX126993	05/27/04	2228
03	VSTD005	25NG-IC	UX126994	05/27/04	2251
04	VSTD010	50NG-IC	UX126995	05/27/04	2315
05	VSTD020	100NG-IC	UX126996	05/27/04	2338
06	VSTD050	250NG-IC	UX126997	05/28/04	0002
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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.: A4H170141

Lab File ID: BFB757 BFB Injection Date: 08/24/04

Instrument ID: A3UX12 BFB Injection Time: 2106

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	16.7
75	30.0 - 60.0% of mass 95	45.5
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	0.7 (0.8)1
174	50.0 - 100.0% of mass 95	84.4
175	5.0 - 9.0% of mass 174	7.2 (8.5)1
176	Greater than 95.0%, but less than 101.0% of mass 174	81.4 (96.4)1
177	5.0 - 9.0% of mass 176	6.1 (7.5)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	UX128956	08/24/04	2132
02	GNXQQ-CHK	GNXQQ1AC	UX128958	08/24/04	2223
03	GNXQQ-CKDUP	GNXQQ1AD	UX128959	08/24/04	2248
04	GNXQQ-BLK	GNXQQ1AA	UX128960	08/24/04	2312
05	MW008/081604	GM9VX1AA	UX128964	08/25/04	0049
06	MW011C/08160	GM9V71AA	UX128965	08/25/04	0114
07	MW015/081604	GM9WF1AA	UX128966	08/25/04	0138
08	MW017/081604	GM9WH1AA	UX128967	08/25/04	0202
09	OUTFALL/0816	GM9WJ1AA	UX128968	08/25/04	0226
10	DUP02L/08160	GM9W41AA	UX128969	08/25/04	0251
11	TB01/081604	GM9W91AA	UX128970	08/25/04	0315
12	MW505A/08160	GM9XA1AA	UX128971	08/25/04	0339
13	MW505A/08160	GM9XA1AC	UX128972	08/25/04	0402
14	MW505A/08160	GM9XA1AD	UX128973	08/25/04	0427
15	DW001/081604	GM9XE1AA	UX128974	08/25/04	0451
16	DW003/081604	GM9XM1AA	UX128975	08/25/04	0515
17	DW004/081604	GM9XN1AA	UX128976	08/25/04	0539
18	MW504/081604	GM9XT1AA	UX128977	08/25/04	0604
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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.: A4H170141

Lab File ID: BFB758 BFB Injection Date: 08/25/04

Instrument ID: A3UX12 BFB Injection Time: 1550

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	18.8
75	30.0 - 60.0% of mass 95	48.0
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	0.5 (0.6)1
174	50.0 - 100.0% of mass 95	85.9
175	5.0 - 9.0% of mass 174	6.5 (7.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	83.1 (96.7)1
177	5.0 - 9.0% of mass 176	5.5 (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	UX128983	08/25/04	1618
02	GN5NR-CHK	GN5NR1AC	UX128985	08/25/04	1709
03	GN5NR-CKDUP	GN5NR1AD	UX128986	08/25/04	1734
04	GN5NR-BLK	GN5NR1AA	UX128987	08/25/04	1758
05	MW505A/08160	GM9XV1AA	UX129000	08/25/04	2316
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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.: A4H170141

Lab File ID (Standard): UX79098 Date Analyzed: 08/23/04

Instrument ID: A3UX7 Time Analyzed: 0911

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	874202	7.57	1264311	4.95	395460	9.79
	UPPER LIMIT	1748404	8.07	2528622	5.45	790920	10.29
	LOWER LIMIT	437101	7.07	632156	4.45	197730	9.29
	EPA SAMPLE NO.						
01	GNRMV-CHK	854889	7.57	1259026	4.95	354571	9.79
02	GNRMV-CKDUP	864087	7.57	1239665	4.95	361557	9.79
03	GNRMV-BLK	825304	7.57	1186387	4.95	345924	9.79
04	MW011A/08160	752090	7.58	1060575	4.95	303384	9.79
05	DW002/081604	747307	7.57	1076515	4.96	304998	9.79
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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.

FORM VIII VOA 1/87 Rev.

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A4H170141

Lab File ID (Standard): UX128956 Date Analyzed: 08/24/04

Instrument ID: A3UX12 Time Analyzed: 2132

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	499760	6.82	529301	4.24	230558	9.01
	UPPER LIMIT	999520	7.32	1058602	4.74	461116	9.51
	LOWER LIMIT	249880	6.32	264651	3.74	115279	8.51
	EPA SAMPLE NO.						
01	GNXQQ-CHK	488423	6.82	528158	4.24	222504	9.01
02	GNXQQ-CKDUP	494175	6.82	530404	4.24	220421	9.01
03	GNXQQ-BLK	476935	6.82	517148	4.24	208445	9.01
04	MW008/081604	450866	6.82	484109	4.24	195936	9.01
05	MW011C/08160	437106	6.82	467115	4.24	190112	9.01
06	MW015/081604	435979	6.82	463596	4.24	189163	9.01
07	MW017/081604	426018	6.82	463109	4.24	188858	9.01
08	OUTFALL/0816	434590	6.82	455343	4.24	193540	9.01
09	DUP02L/08160	425657	6.82	451275	4.24	186434	9.01
10	TB01/081604	421213	6.82	446964	4.24	182506	9.01
11	MW505A/08160	418746	6.82	436655	4.24	181653	9.01
12	MW505A/08160	428572	6.82	439794	4.24	193054	9.01
13	MW505A/08160	422225	6.82	448281	4.24	195686	9.01
14	DW001/081604	422332	6.82	439241	4.24	187350	9.01
15	DW003/081604	418533	6.82	434604	4.24	179557	9.01
16	DW004/081604	419845	6.82	438410	4.24	184721	9.01
17	MW504/081604	402070	6.82	424852	4.24	175309	9.01
18							
19							
20							
21							
22							

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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.

FORM VIII VOA 1/87 Rev.

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A4H170141

Lab File ID (Standard): UX128983 Date Analyzed: 08/25/04

Instrument ID: A3UX12 Time Analyzed: 1618

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	402097	6.82	409597	4.24	194398	9.01
	UPPER LIMIT	804194	7.32	819194	4.74	388796	9.51
	LOWER LIMIT	201049	6.32	204799	3.74	97199	8.51
	EPA SAMPLE NO.						
01	GN5NR-CHK	399733	6.82	427400	4.24	183299	9.01
02	GN5NR-CKDUP	408258	6.82	423256	4.24	189278	9.01
03	GN5NR-BLK	395825	6.82	419304	4.24	176518	9.01
04	MW505A/08160	376429	6.82	393203	4.24	162066	9.01
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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: MW008/081604

GC/MS Volatiles

Lot-Sample #...:	A4H170141-001	**Work Order #...:**	GM9VX1AA	**Matrix.....:**	WG
Date Sampled...:	08/16/04 10:18	**Date Received..:**	08/17/04		
Prep Date.....:	08/25/04	**Analysis Date..:**	08/25/04		
Prep Batch #...:	4238597				
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	**16 J,B**	**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	**3.9 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	**400**	**17**	**ug/L**
trans-1,2-Dichloroethene	ND	17	ug/L
1,1-Dichloroethene	ND	17	ug/L
1,2-Dichloroethene (total)	**400**	**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: MW008/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-001 **Work Order #...:** GM9VX1AA **Matrix.....:** WG

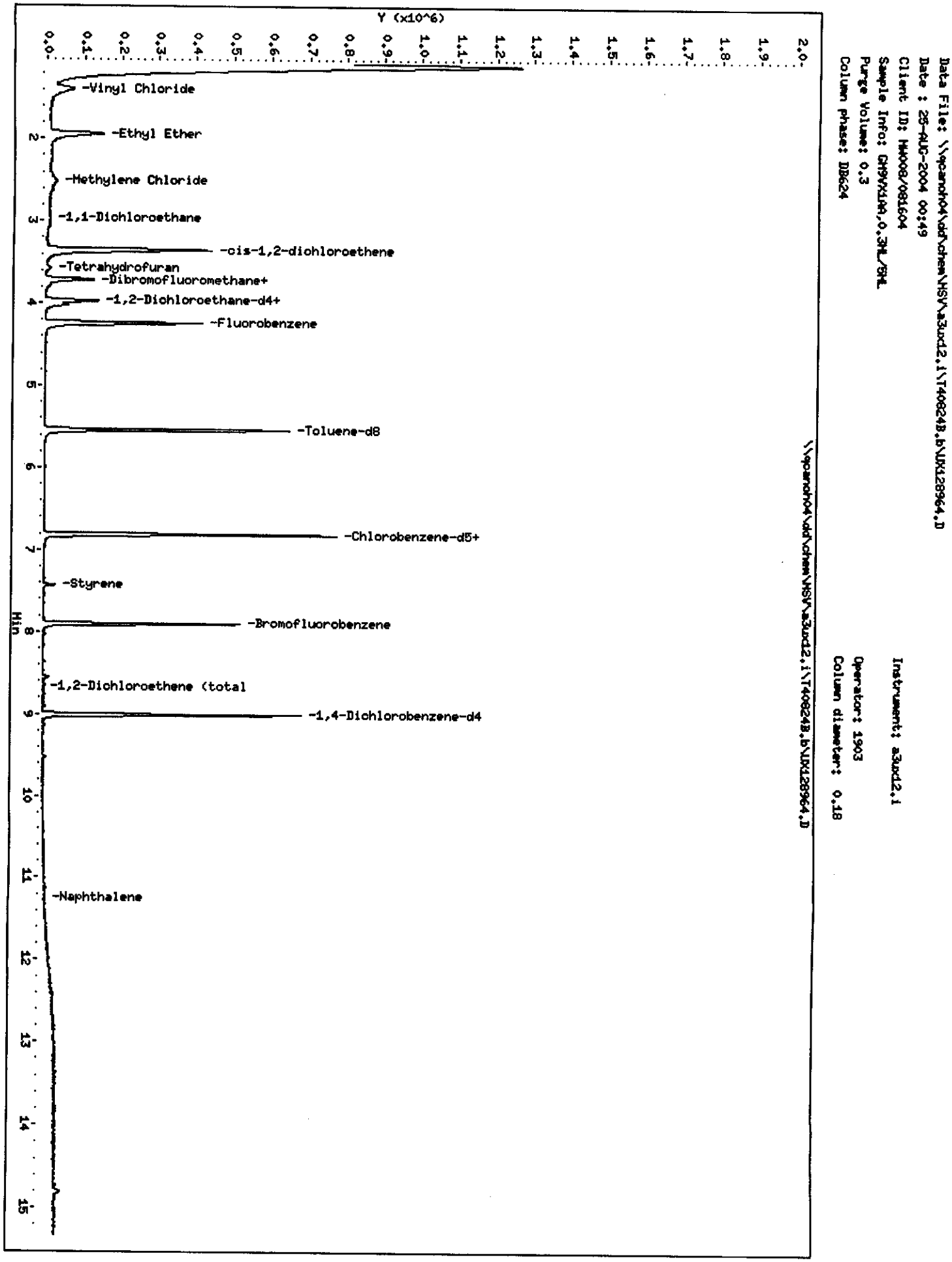
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	170	ug/L
Iodomethane	ND	17	ug/L
Isobutanol	ND	830	ug/L
Methacrylonitrile	ND	33	ug/L
Methylene chloride	**29 B**	**17**	**ug/L**
Methyl methacrylate	ND	33	ug/L
4-Methyl-2-pentanone	ND	170	ug/L
Propionitrile	ND	67	ug/L
Styrene	**5.2 J,B**	**17**	**ug/L**
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	**180**	**17**	**ug/L**
Xylenes (total)	ND	33	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	97	(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.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Date : 25-AUG-2004 00:49
Client ID: MW008/081604
Sample Info: GM9VX1AA,0.3ML/5ML
Purge Volume: 0.3
Column phase: DB624
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
\\qcanoh04\dd\chem\HSV\a3ux12.i\T40824B.b\UX128964.D
Y (x10^6)
Min
-Vinyl Chloride
-Ethyl Ether
-Methylene Chloride
-1,1-Dichloroethane
-cis-1,2-dichloroethene
-Tetrahydrofuran
-Dibromofluoromethane+
-1,2-Dichloroethane-d4+
-Fluorobenzene
-Toluene-d8
-Chlorobenzene-d5+
-Styrene
-Bromofluorobenzene
-1,2-Dichloroethene (total
-1,4-Dichlorobenzene-d4
-Naphthalene

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128964.D
Report Date: 25-Aug-2004 18:27

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128964.D
Lab Smp Id: GM9VX1AA Client Smp ID: MW008/081604
Inj Date : 25-AUG-2004 00:49
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GM9VX1AA,0.3ML/5ML
Misc Info : T40824B,8260LLUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 25-Aug-2004 18:24 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

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	4.242	4.242	(1.000)	484109	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	450866	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.012	9.011	(1.000)	195936	50.0000	
$ 4 Dibromofluoromethane	113	3.713	3.713	(0.875)	102361	50.2646	167.55
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	126516	49.3400	164.47
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	452823	48.7427	162.48
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	174303	44.7897	149.30
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.395	1.395	(0.329)	186030	54.4746	181.58
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\a3ux12.i\T40824B.b\UX128964.D
Report Date: 25-Aug-2004 18:27

	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	2.520	2.526	(0.594)	23618	8.55380	28.513
	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	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	2.928	2.922	(0.690)	3567	0.89132	2.971
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				312958	121.304	404.34
	32 cis-1,2-dichloroethene	96	3.354	3.354	(0.791)	312958	121.304	404.34
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	3.573	3.567	(0.842)	8757	8.76672	29.222
	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	4.023	4.023	(0.948)	53011	4.93399	16.447
	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	6.840	6.840	(1.004)	9920	1.17413	3.914
	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	7.430	7.436	(1.090)	14775	1.56675	5.222
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128964.D
Report Date: 25-Aug-2004 18:27

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
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	11.196	11.195	(1.242)	1827	4.38877	14.629
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	1.942	1.942	(0.458)	164790	81.5700	271.90
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	3.786	3.786	(0.892)	4752	1.45766	4.859
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\a3ux12.i\T40824B.b\UX128964.D

Date : 25-AUG-2004 00:49

Client ID: MW008/081604

Instrument: a3ux12.i

Sample Info: GM9VX1AA,0.3ML/5ML

Purge Volume: 0.3

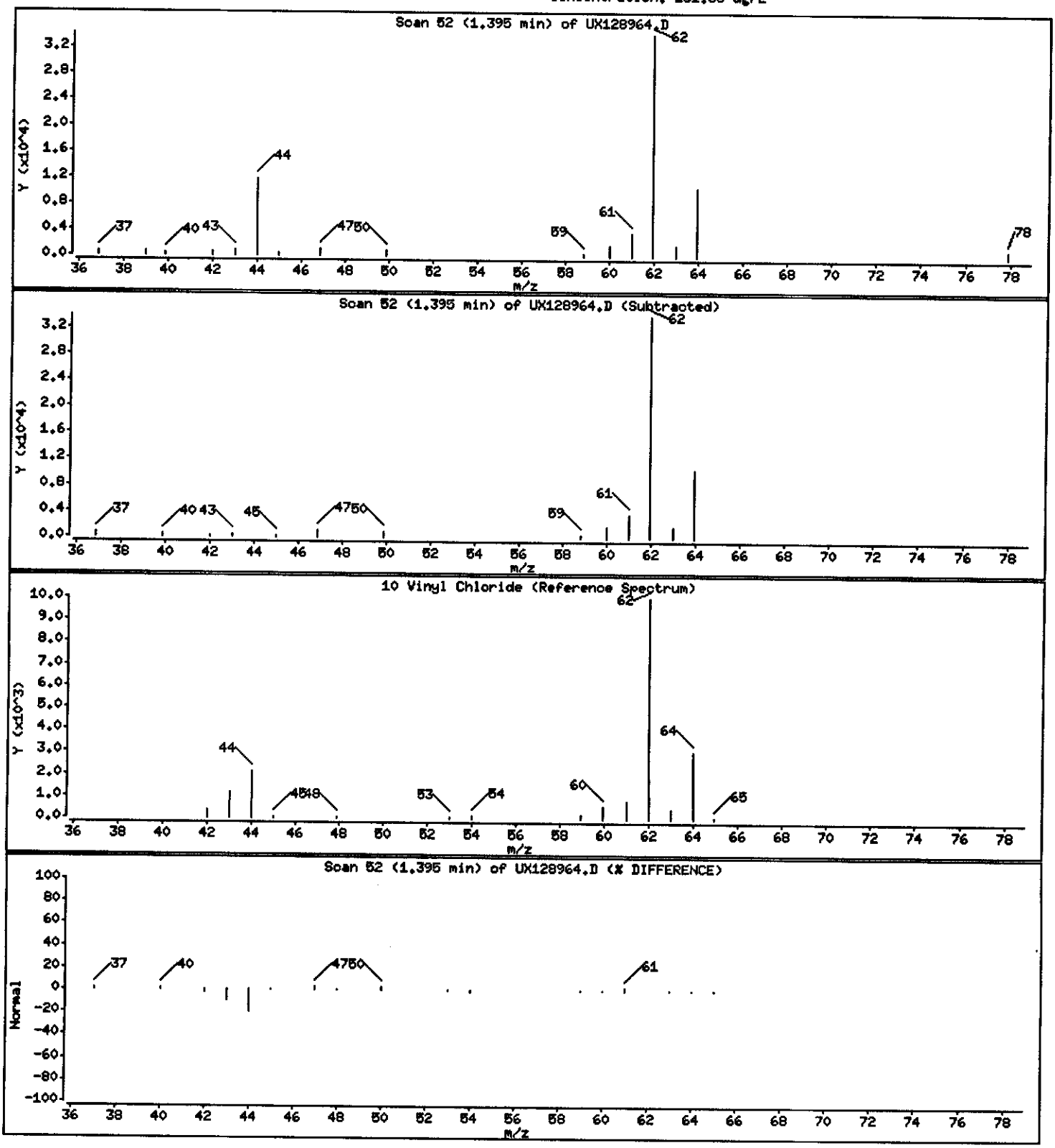
Operator: 1903

Column phase: DB624

Column diameter: 0.18

10 Vinyl Chloride

Concentration: 181.58 ug/L



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Date : 25-AUG-2004 00:49

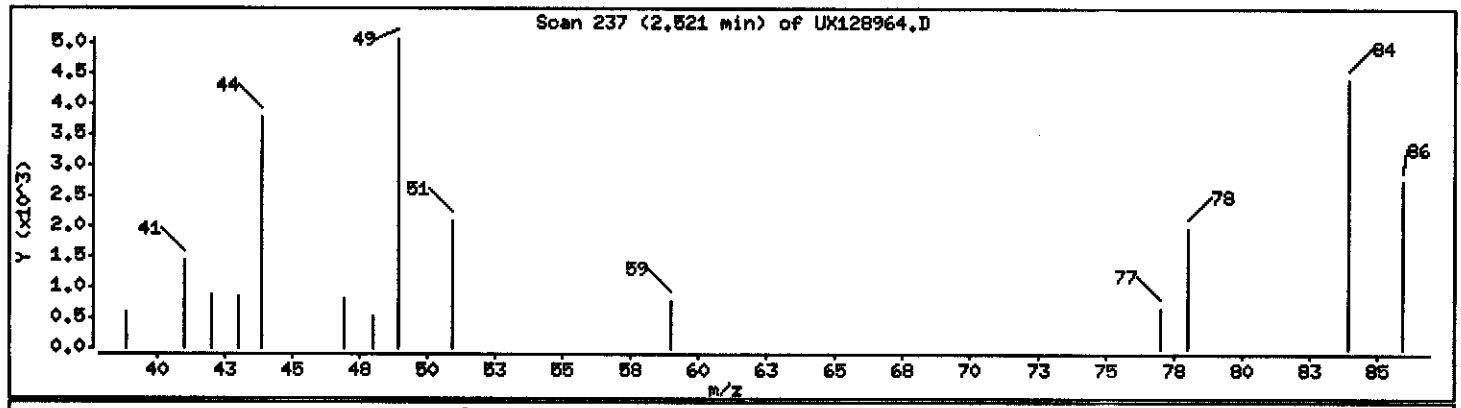
Client ID: MW008/081604 Instrument: a3ux12.i

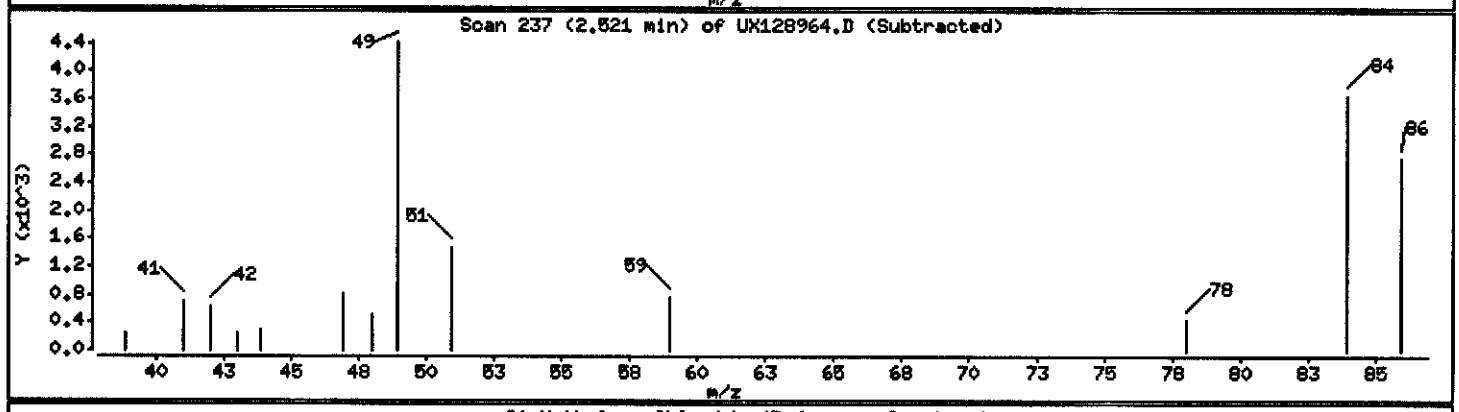
Sample Info: GM9VX1AA,0.3ML/5ML

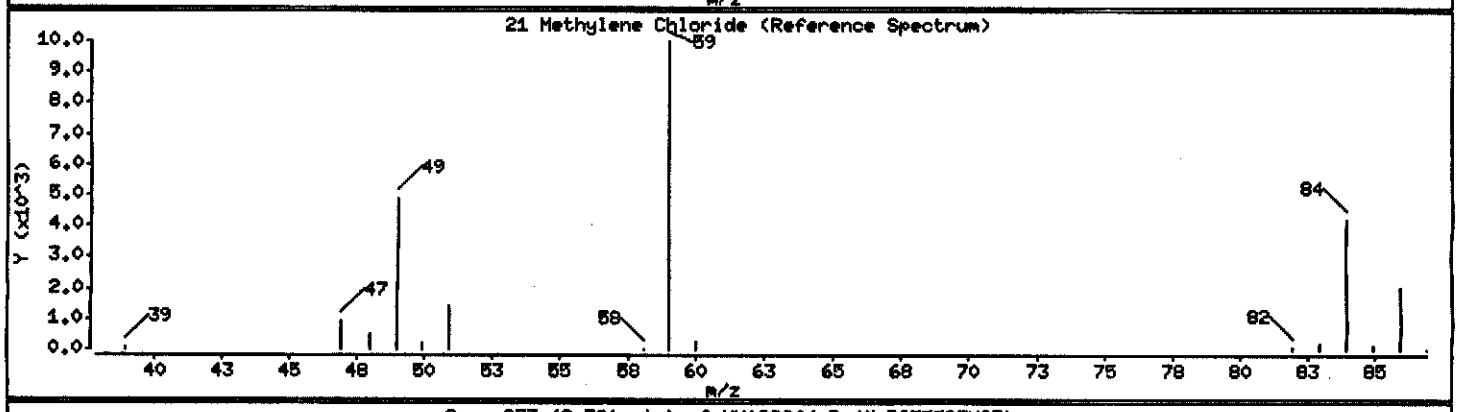
Purge Volume: 0.3 Operator: 1903

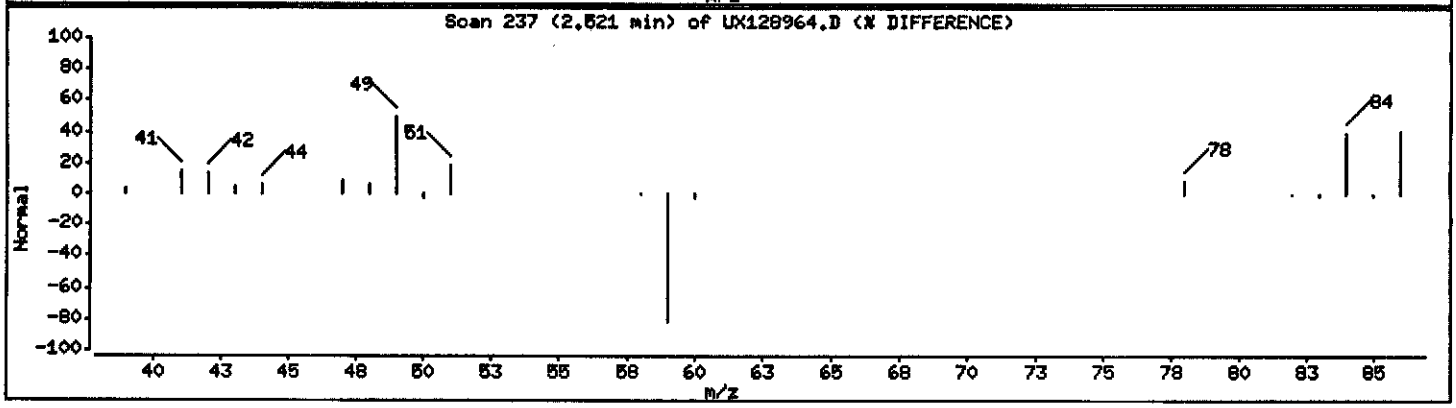
Column phase: DB624 Column diameter: 0.18

21 Methylene Chloride Concentration: 28.513 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128964.D

Date : 25-AUG-2004 00:49

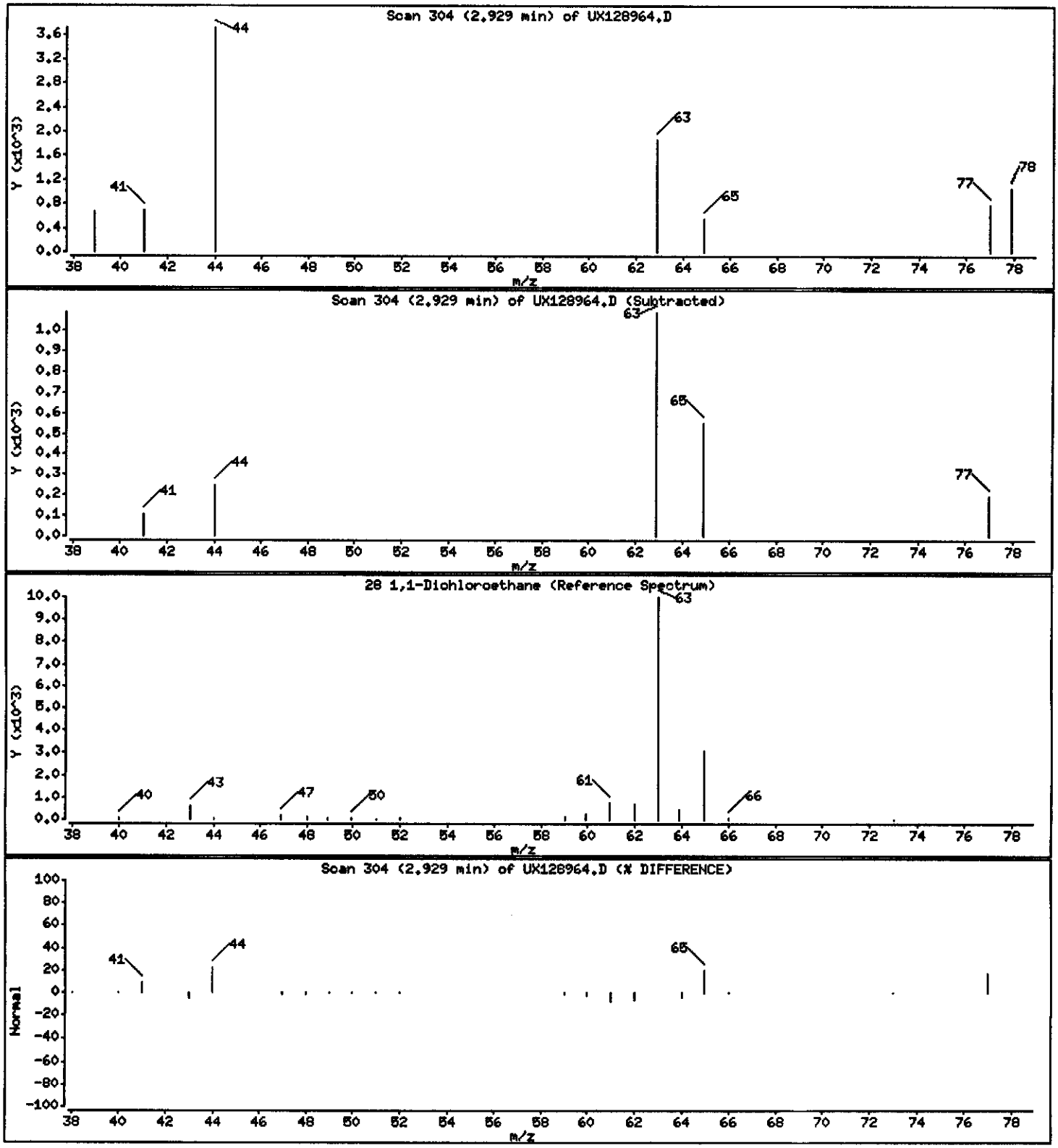
Client ID: MW008/081604 Instrument: a3ux12.i

Sample Info: GM9VX1AA,0.3ML/5ML

Purge Volume: 0.3 Operator: 1903

Column phase: DB624 Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 2.971 ug/L



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Date : 25-AUG-2004 00:49

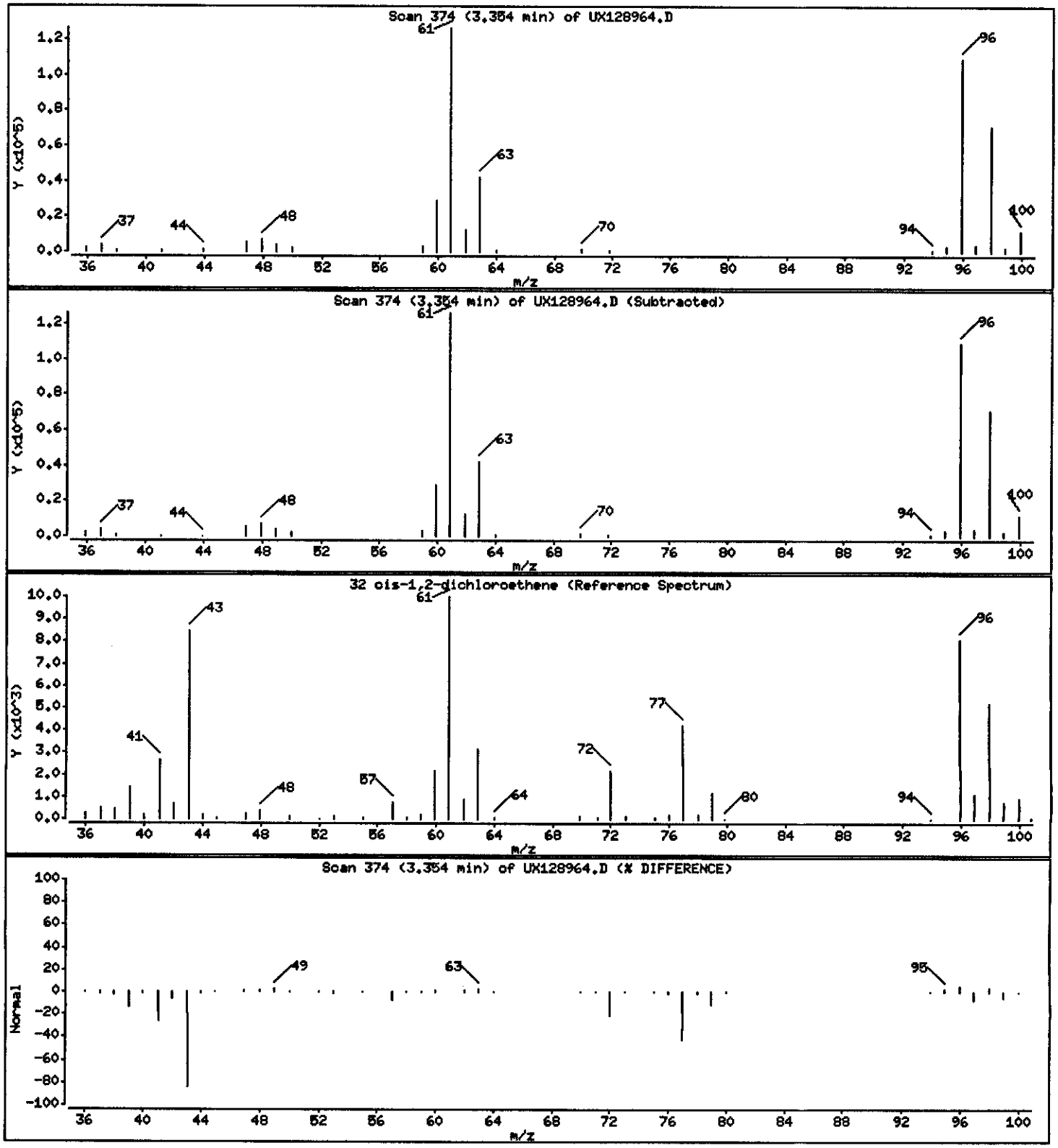
Client ID: MW008/081604 Instrument: a3ux12.i

Sample Info: GM9VX1AA,0.3ML/5ML

Purge Volume: 0.3 Operator: 1903

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 404.34 ug/L



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Date : 25-AUG-2004 00:49

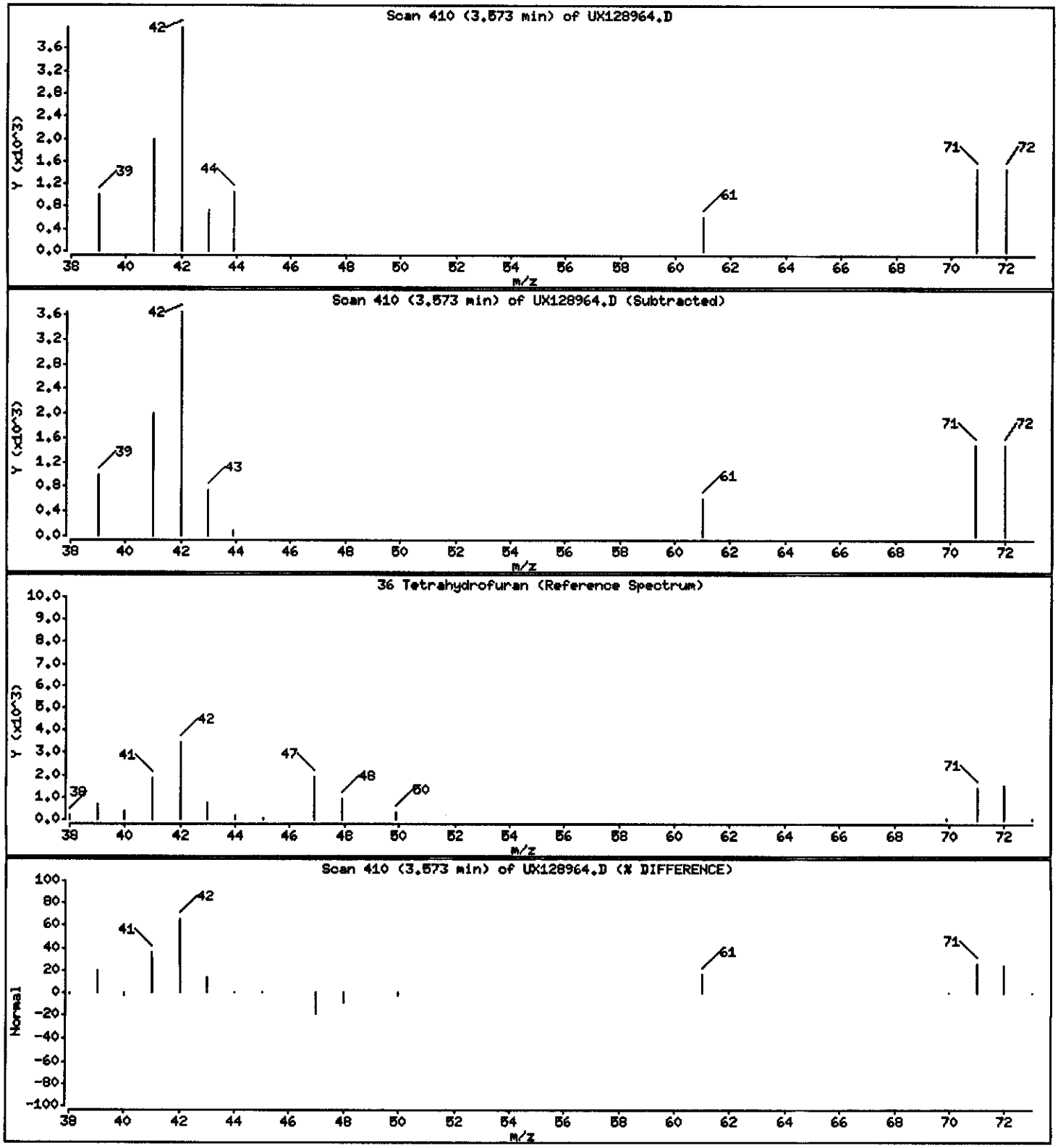
Client ID: MW008/081604 Instrument: a3ux12.i

Sample Info: GM9VX1AA,0.3ML/5ML

Purge Volume: 0.3 Operator: 1903

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 29.222 ug/L



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Date : 25-AUG-2004 00:49

Client ID: MW008/081604

Instrument: a3ux12.i

Sample Info: GM9VX1AA,0.3ML/5ML

Purge Volume: 0.3

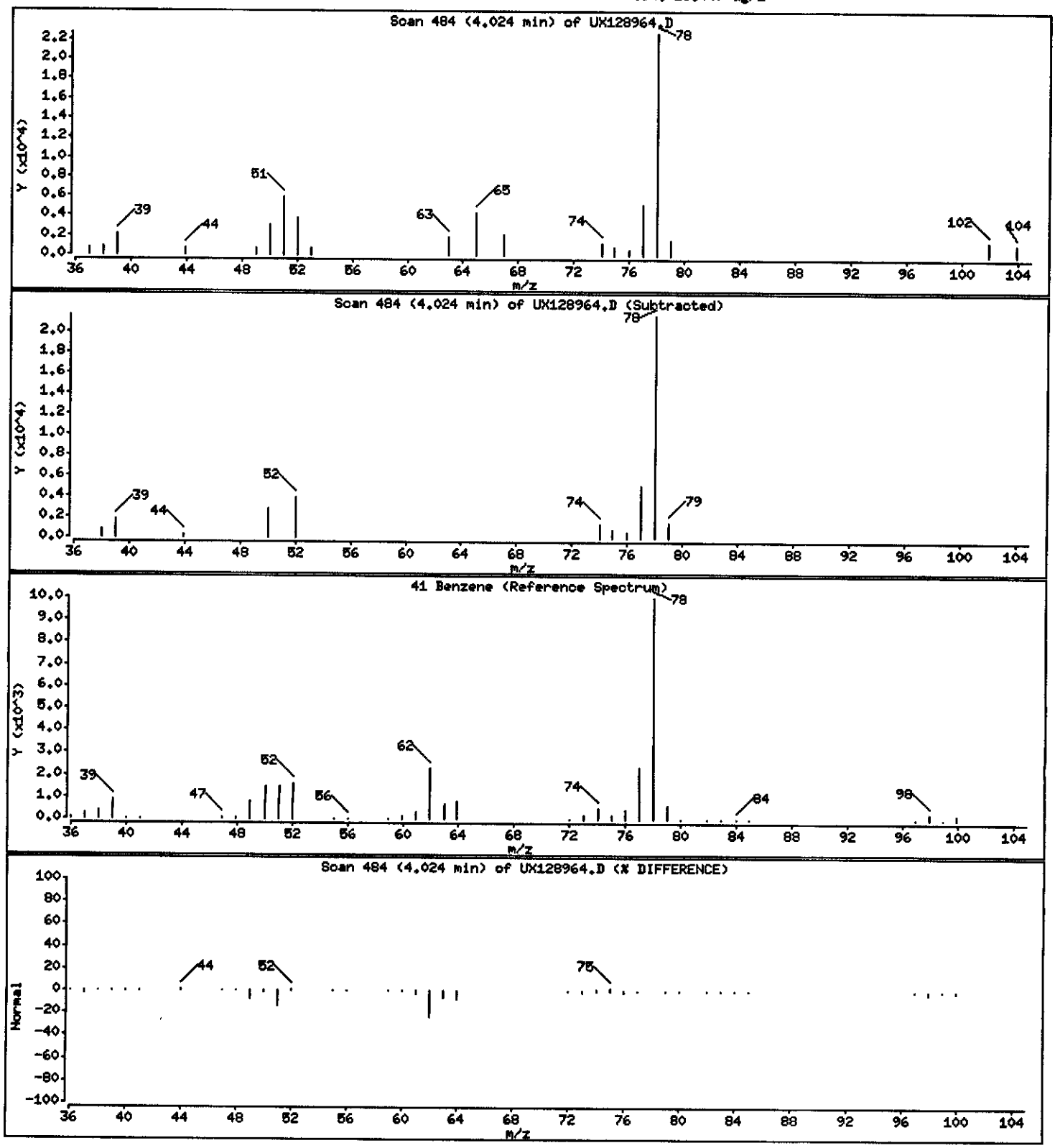
Operator: 1903

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 16.447 ug/L



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Date : 25-AUG-2004 00:49

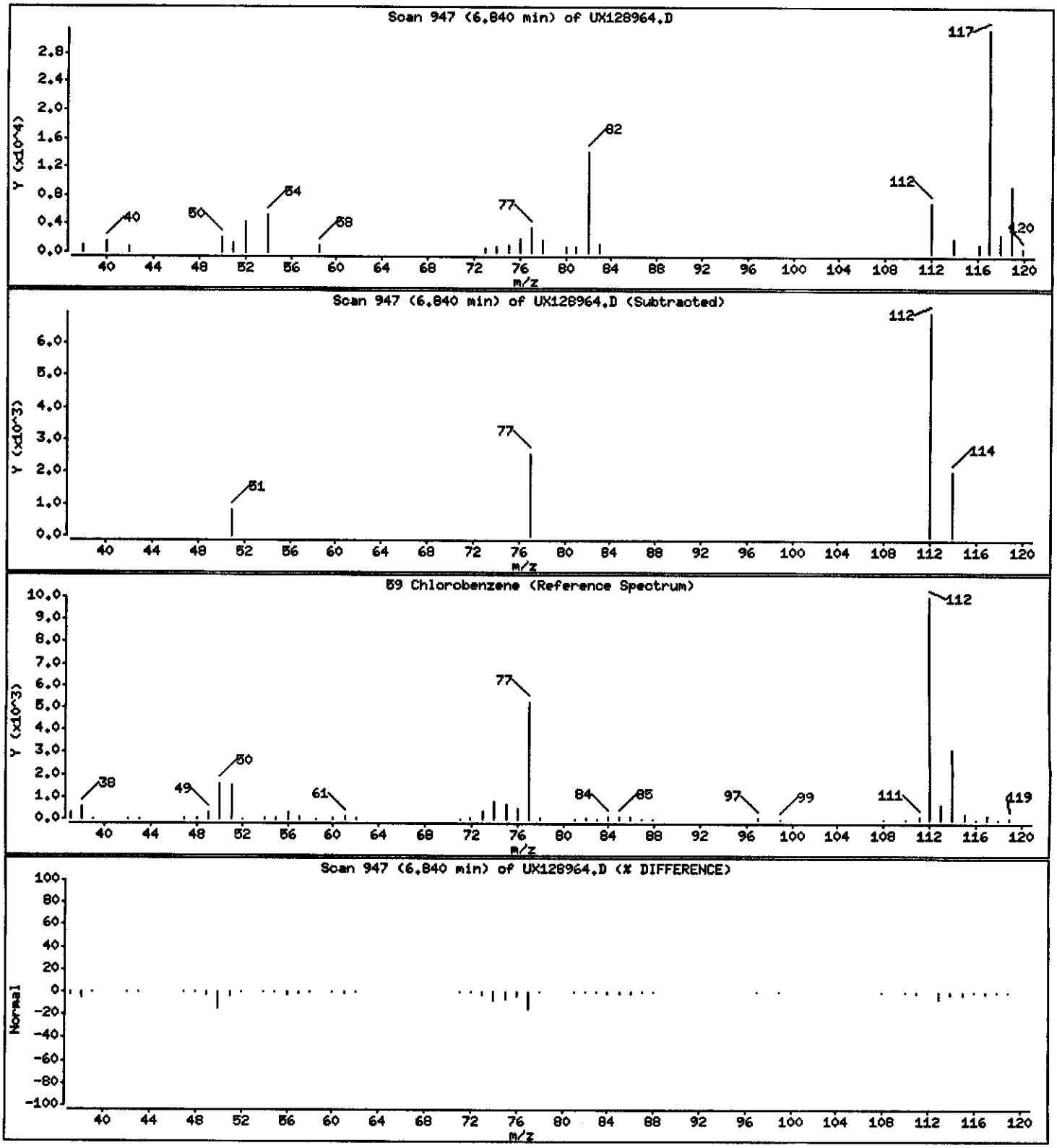
Client ID: MW008/081604 Instrument: a3ux12.i

Sample Info: GM9VX1AA,0.3ML/5ML

Purge Volume: 0.3 Operator: 1903

Column phase: DB624 Column diameter: 0.18

59 Chlorobenzene Concentration: 3.914 ug/L



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Date : 25-AUG-2004 00:49

Client ID: MW008/081604

Instrument: a3ux12.i

Sample Info: GM9VX1AA,0.3ML/5ML

Purge Volume: 0.3

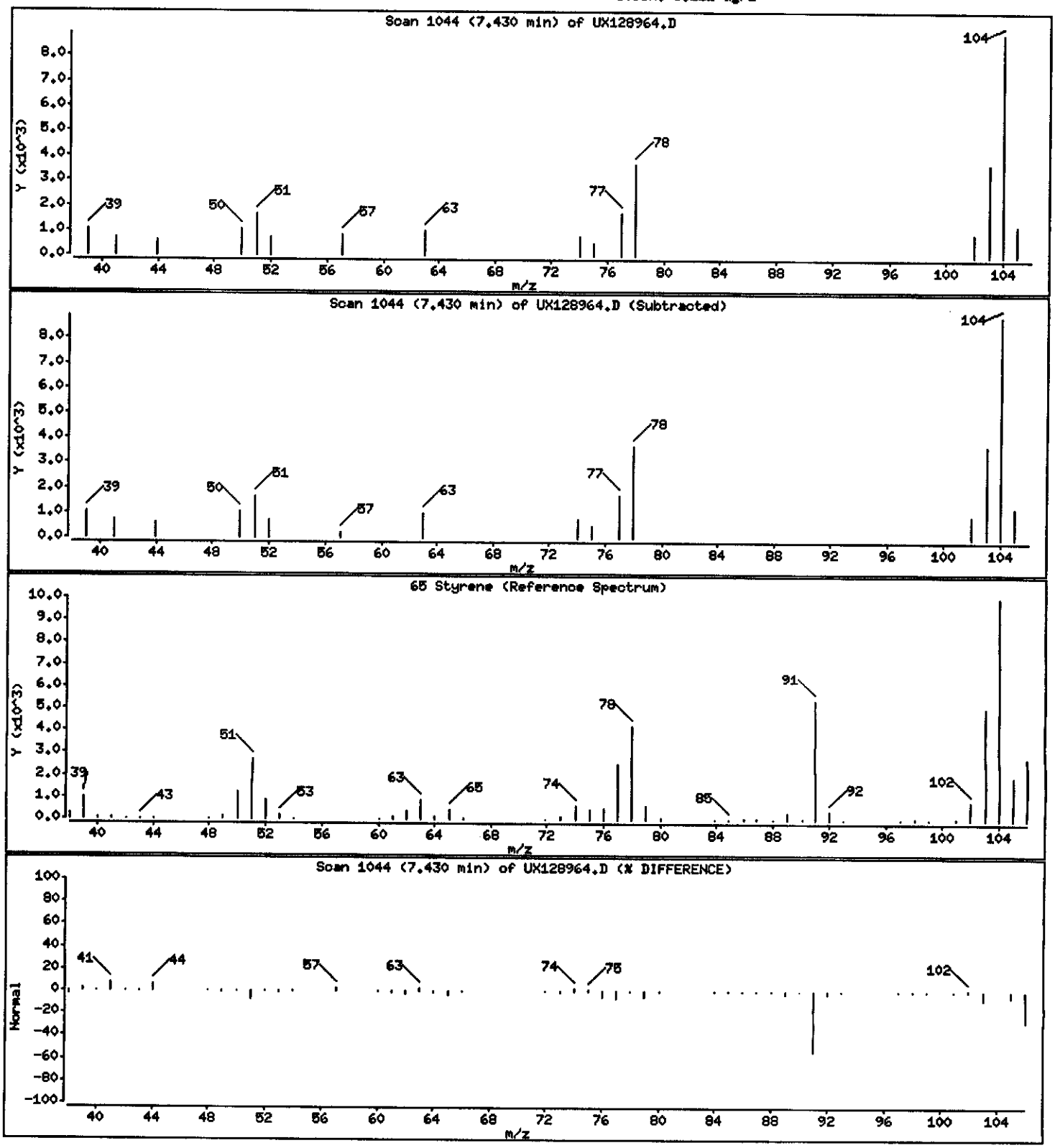
Operator: 1903

Column phase: DB624

Column diameter: 0.18

65 Styrene

Concentration: 5.222 ug/L



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Date : 25-AUG-2004 00:49

Client ID: MW008/081604

Instrument: a3ux12.i

Sample Info: GM9VX1AA,0.3ML/5ML

Purge Volume: 0.3

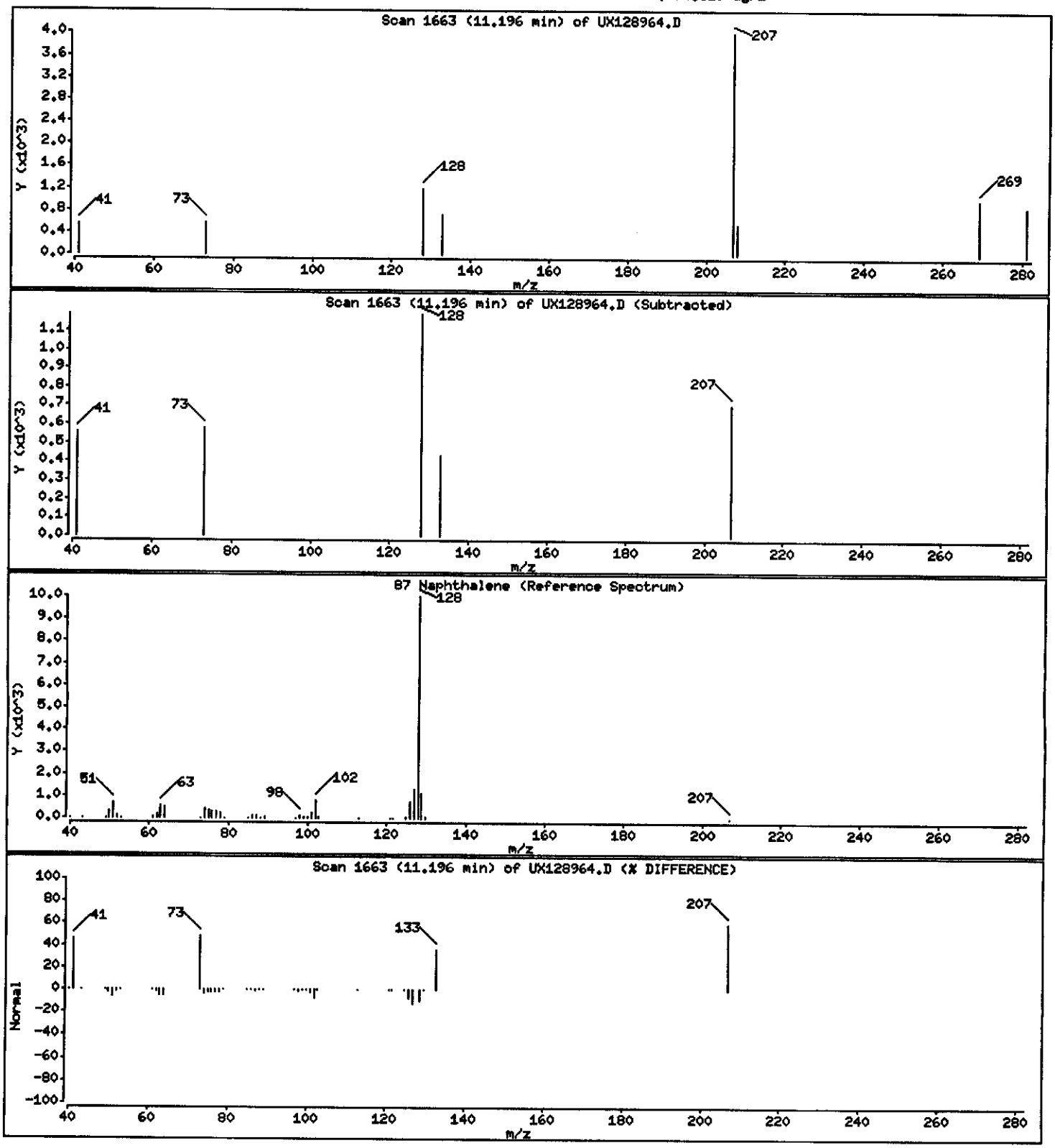
Operator: 1903

Column phase: DB624

Column diameter: 0.18

87 Naphthalene

Concentration: 14.629 ug/L



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Date : 25-AUG-2004 00:49

Client ID: MW008/081604

Instrument: a3ux12.i

Sample Info: GM9VX1AA,0.3ML/5ML

Purge Volume: 0.3

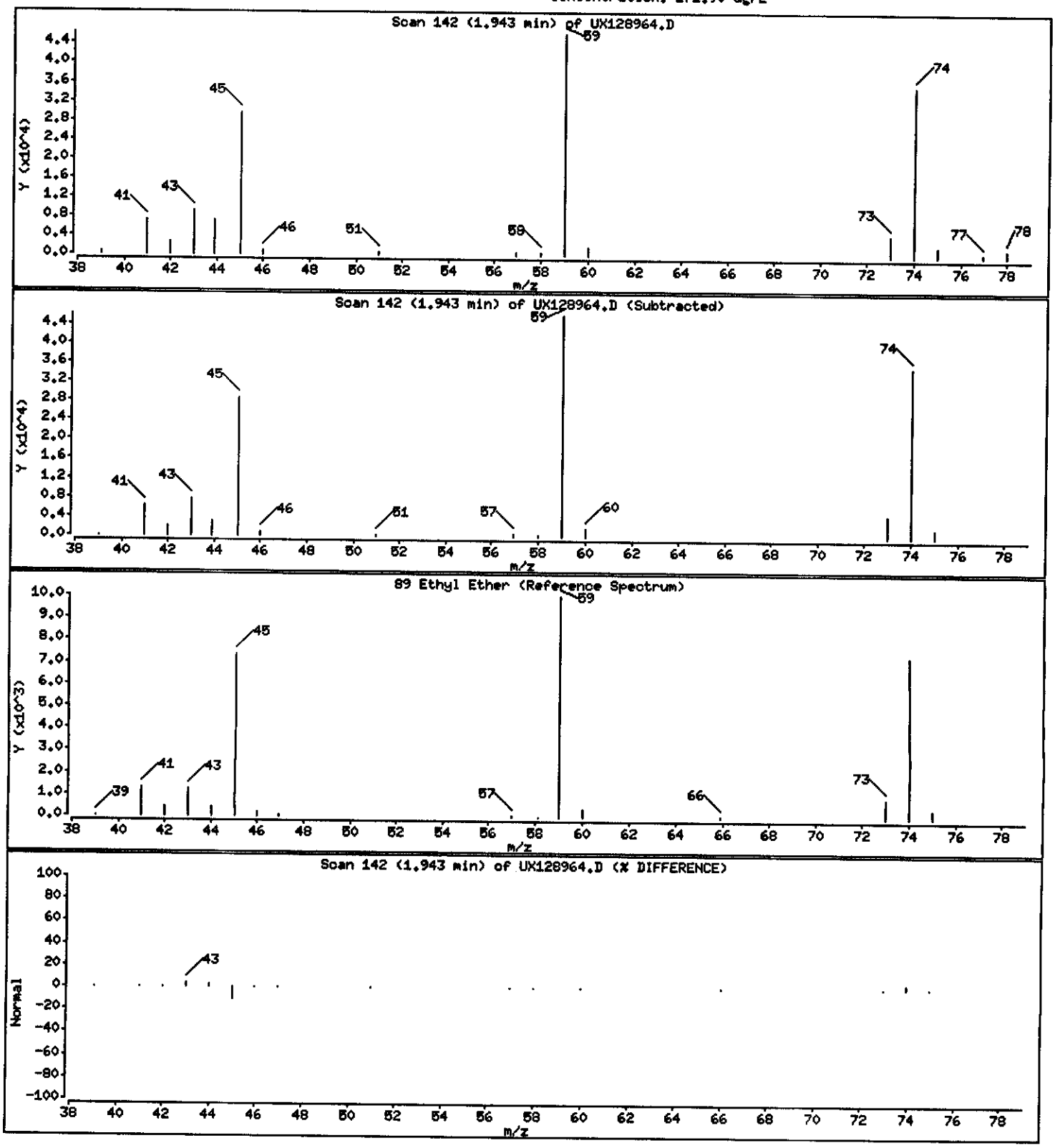
Operator: 1903

Column phase: DB624

Column diameter: 0.18

89 Ethyl Ether

Concentration: 271.90 ug/L



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Date : 25-AUG-2004 00:49

Client ID: HW008/081604

Instrument: a3ux12.i

Sample Info: GM9VX1AA,0.3ML/5ML

Purge Volume: 0.3

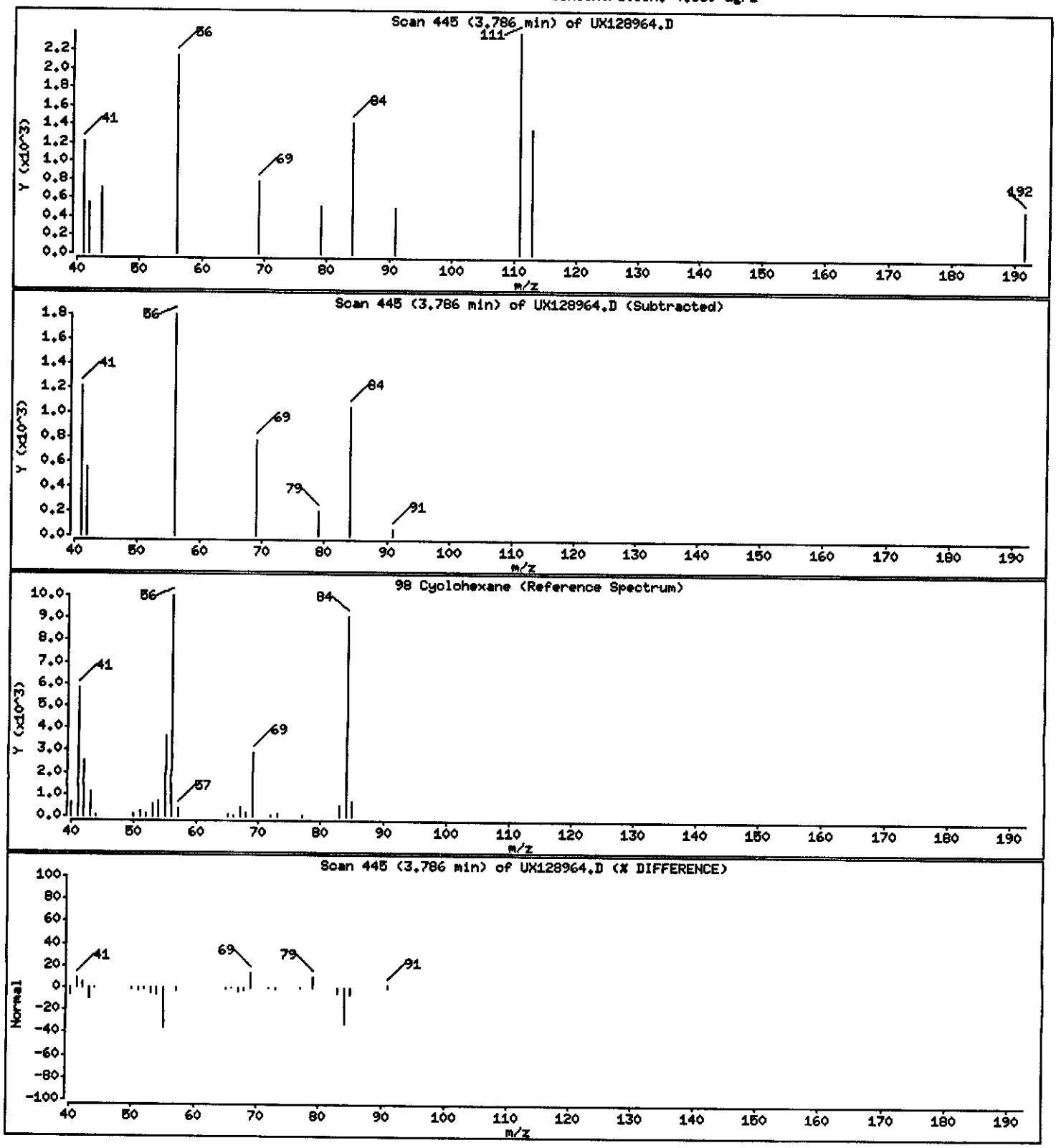
Operator: 1903

Column phase: DB624

Column diameter: 0.18

98 Cyclohexane

Concentration: 4.859 ug/L



PAYNE FIRM INC.

Client Sample ID: MW011C/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-002 **Work Order #...:** GM9V71AA **Matrix.....:** WG
Date Sampled...: 08/16/04 11:25 **Date Received..:** 08/17/04
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4238597
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	**0.46 J,B**	**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	**0.32 J**	**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: MW011C/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-002 **Work Order #...:** GM9V71AA **Matrix.....:** WG

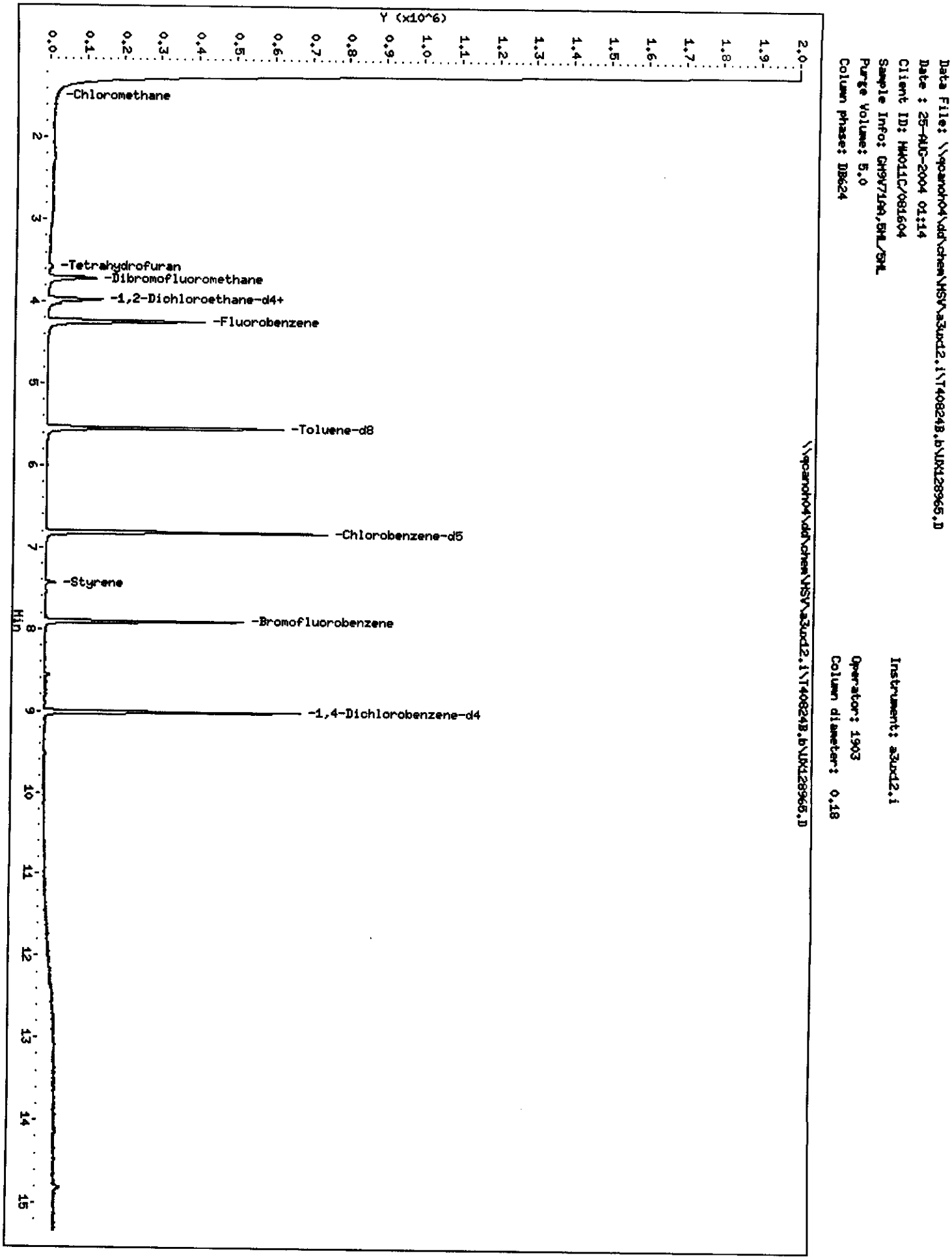
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	**0.34 J,B**	**1.0**	**ug/L**
1,1,1,2-Tetrachloroethane	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	103	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	100	(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.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Date : 25-AUG-2004 01:14
Client ID: HW011C/081604
Sample Info: GH9V71AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
\\qcanoh04\dd\chem\HSV\a3ux12.i\T40824B.b\UX128965.D
Y (x10^6)
Min
-Chloromethane
-Tetrahydrofuran
-Dibromofluoromethane
-1,2-Dichloroethane-d4+
-Fluorobenzene
-Toluene-d8
-Chlorobenzene-d5
-Styrene
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128965.D
Report Date: 25-Aug-2004 18:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128965.D
Lab Smp Id: GM9V71AA
Client Smp ID: MW011C/081604
Inj Date : 25-AUG-2004 01:14
Operator : 1903
Inst ID: a3ux12.i
Smp Info : GM9V71AA,5ML/5ML
Misc Info : T40824B,8260LLUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 25-Aug-2004 18:24 laveyt
Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19
Cal File: UX127155.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

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	4.242	4.242	(1.000)	467115	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	437106	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.011	9.011	(1.000)	190112	50.0000	
$ 4 Dibromofluoromethane	113	3.713	3.713	(0.875)	100864	51.3314	10.266
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	125465	50.7102	10.142
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	449993	49.9629	9.992
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	173963	46.1095	9.222
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.310	1.328	(0.309)	6205	1.61208	0.3224
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\a3ux12.i\T40824B.b\UX128965.D
Report Date: 25-Aug-2004 18:28

	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	57	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	3.567	3.567	(0.841)	7885	8.04606	1.609
	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	4.023	4.023	(0.948)	23672	2.28342	0.4567
	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	7.430	7.436	(1.090)	15334	1.67721	0.3354
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128965.D
Report Date: 25-Aug-2004 18:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
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\a3ux12.i\T40824B.b\UX128965.D

Date : 25-AUG-2004 01:14

Client ID: MW011C/081604

Instrument: a3ux12.i

Sample Info: GM9V71AA,5ML/5ML

Purge Volume: 5.0

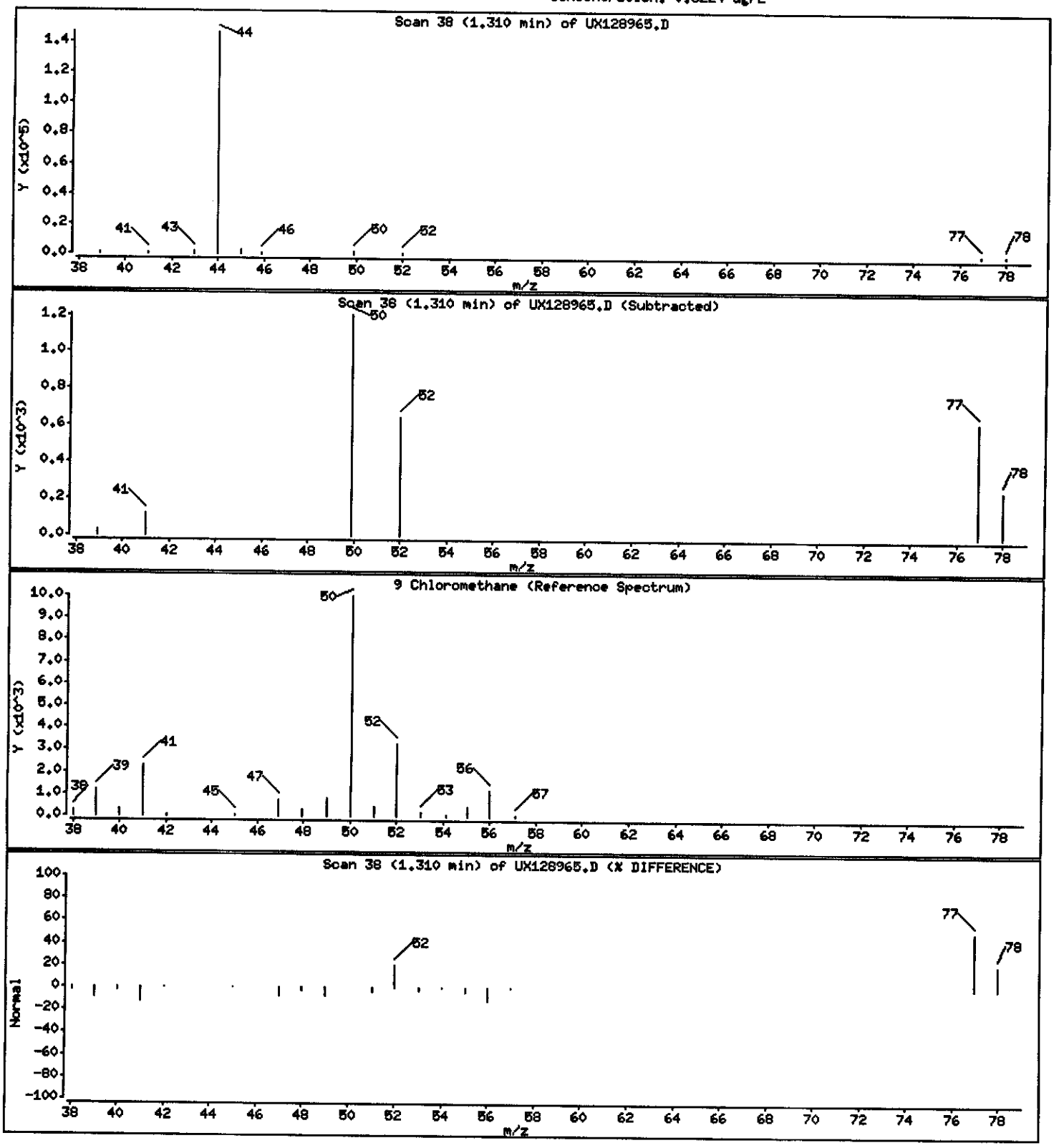
Operator: 1903

Column phase: DB624

Column diameter: 0.18

9 Chloromethane

Concentration: 0.3224 ug/L



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Date : 25-AUG-2004 01:14

Client ID: MW011C/081604

Instrument: a3ux12.i

Sample Info: GM9V71AA,5ML/5ML

Purge Volume: 5.0

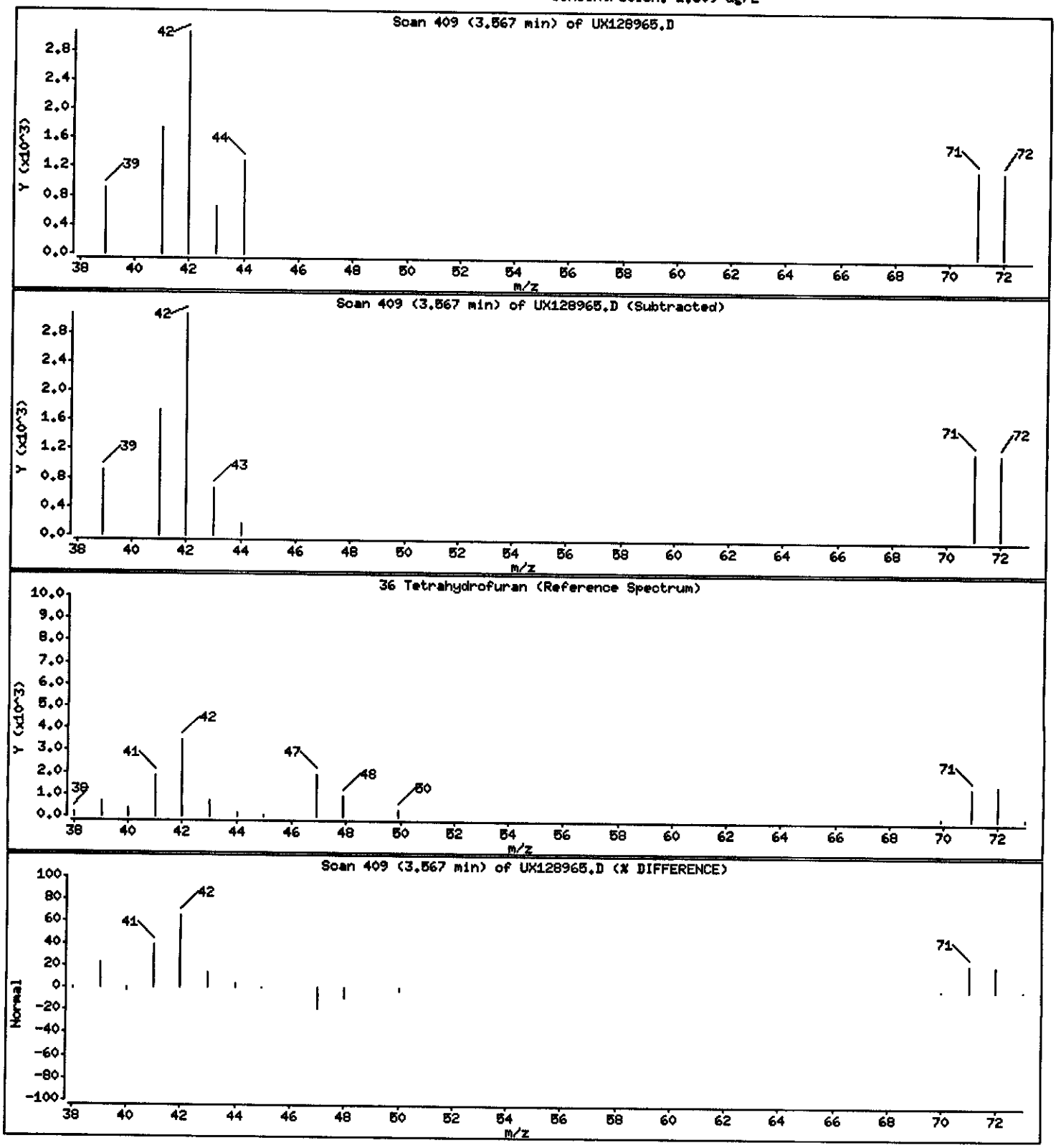
Operator: 1903

Column phase: DB624

Column diameter: 0.18

36 Tetrahydrofuran

Concentration: 1.609 ug/L



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Date : 25-AUG-2004 01:14

Client ID: MW011C/081604

Instrument: a3ux12.i

Sample Info: GM9V71AA,5ML/5ML

Purge Volume: 5.0

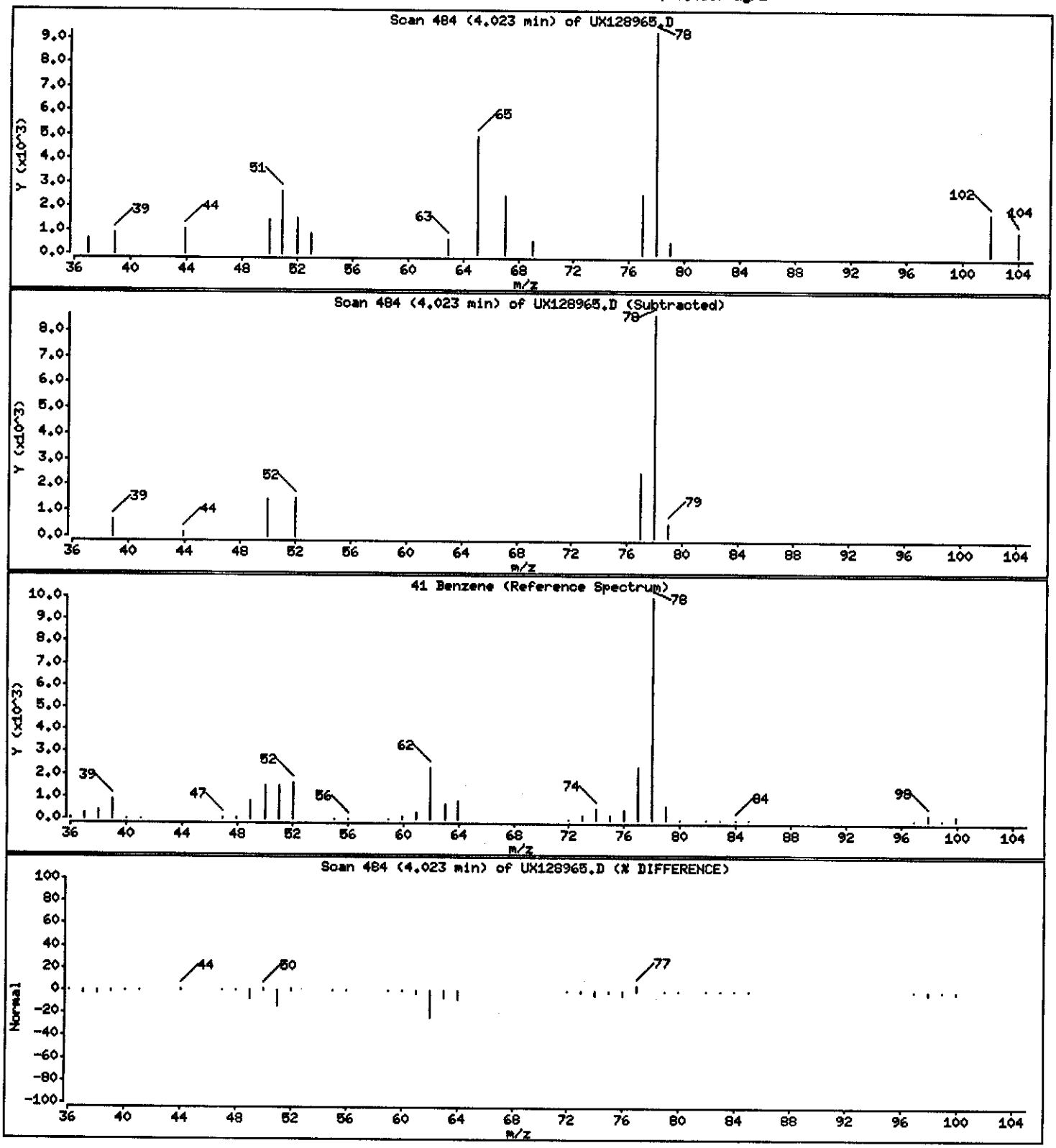
Operator: 1903

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 0.4567 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128965.D

Date : 25-AUG-2004 01:14

Client ID: MW011C/081604

Instrument: a3ux12.i

Sample Info: GM9V71AA,5ML/5ML

Purge Volume: 5.0

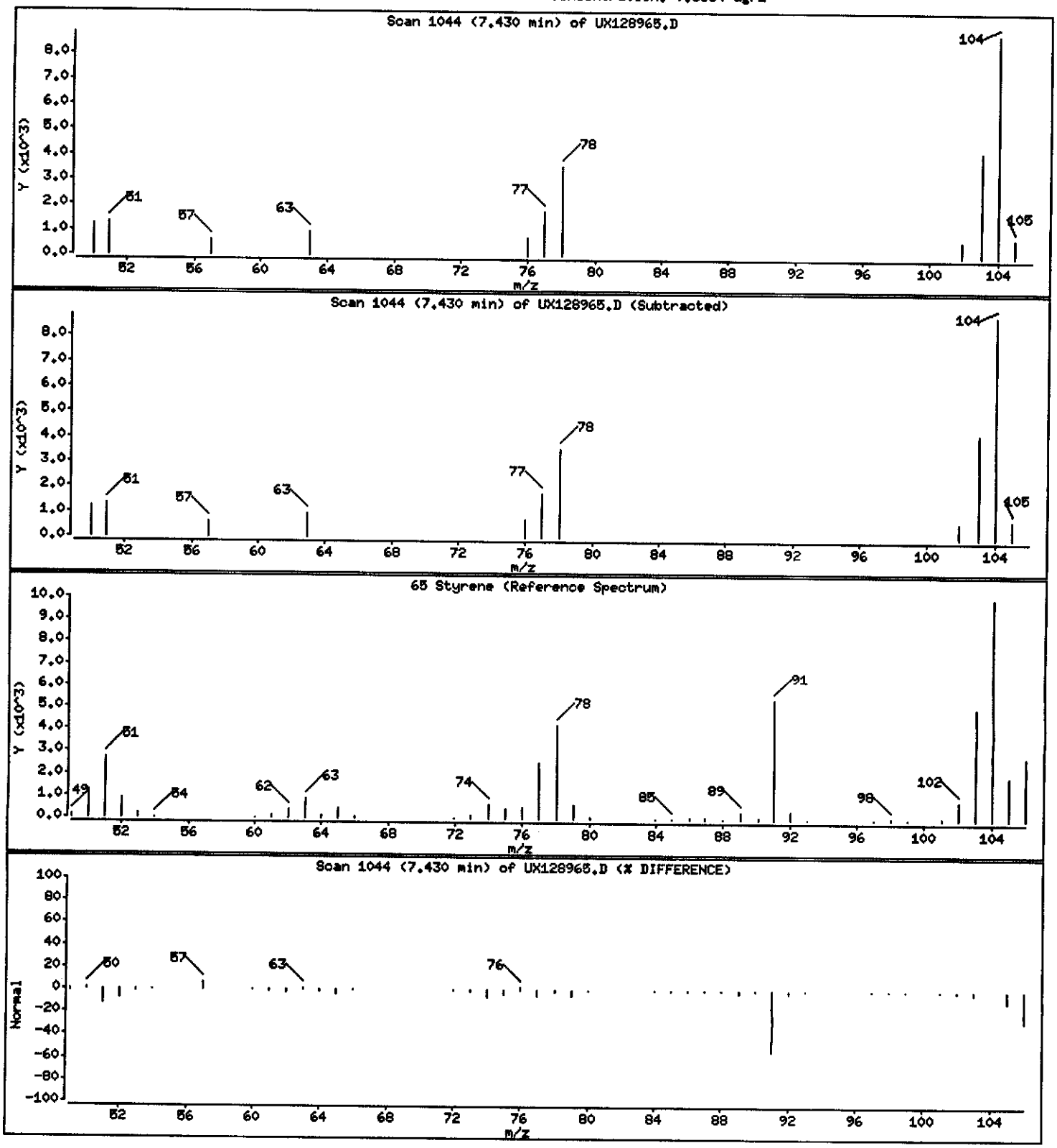
Operator: 1903

Column phase: DB624

Column diameter: 0.18

65 Styrene

Concentration: 0.3354 ug/L



PAYNE FIRM INC.

Client Sample ID: MW011A/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-003 **Work Order #...:** GM9WC1AA **Matrix.....:** WG
Date Sampled...: 08/16/04 13:05 **Date Received..:** 08/17/04
Prep Date.....: 08/23/04 **Analysis Date..:** 08/23/04
Prep Batch #...: 4237295
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**5.9 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	**1.7 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: MW011A/081604

GC/MS Volatiles

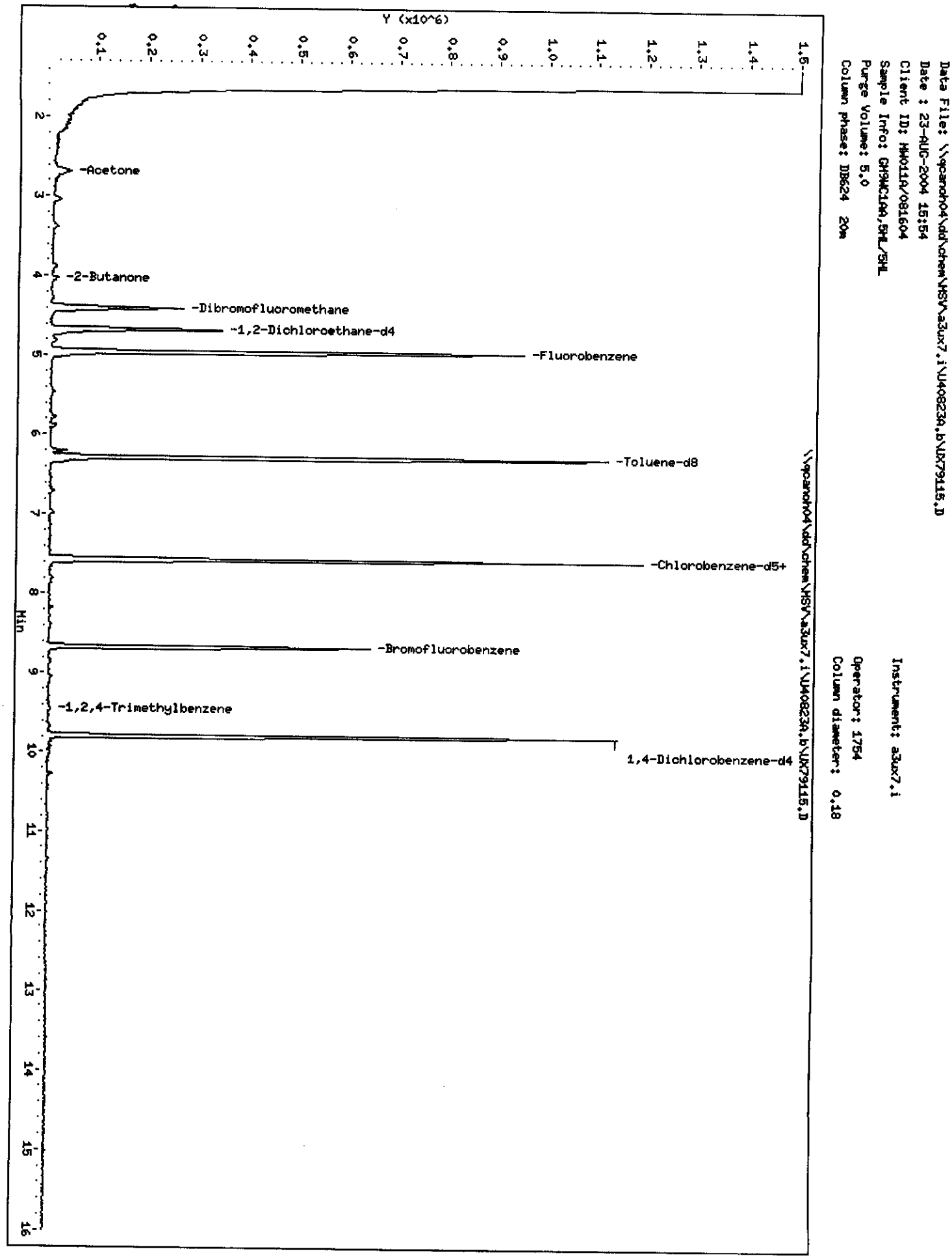
Lot-Sample #...: A4H170141-003 **Work Order #...:** GM9WC1AA **Matrix.....:** WG

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)	**1.5 J**	**2.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
1,2-Dichloroethane-d4	92	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	85	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 23-AUG-2004 15:54
Client ID: MW011A/081604
Sample Info: GM9WC1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Acetone
-2-Butanone
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-Toluene-d8
-Chlorobenzene-d5+
-Bromofluorobenzene
-1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79115.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79115.D
Report Date: 24-Aug-2004 08:37

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79115.D
Lab Smp Id: GM9WC1AA Client Smp ID: MW011A/081604
Inj Date : 23-AUG-2004 15:54
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GM9WC1AA,5ML/5ML
Misc Info : U40823A,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\N8260UX7-3.m
Meth Date : 24-Aug-2004 08:18 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV03

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	4.952	4.954	(1.000)	1060575	50.0000	
* 2 Chlorobenzene-d5	117	7.578	7.569	(1.000)	752090	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.794	(1.000)	303384	50.0000	
$ 4 Dibromofluoromethane	113	4.407	4.398	(0.890)	224297	47.5109	9.502
$ 5 1,2-Dichloroethane-d4	65	4.668	4.670	(0.943)	323833	45.8195	9.164
$ 6 Toluene-d8	98	6.277	6.279	(0.828)	901758	46.5174	9.303
$ 7 Bromofluorobenzene	95	8.667	8.669	(1.144)	262736	42.5054	8.501
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	2.692	2.670	(0.544)	102756	29.4794	5.896
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79115.D
Report Date: 24-Aug-2004 08:37

	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	4.029	4.019	(0.814)	28268	8.74673	1.749
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	7.803	7.806	(1.030)	2731	7.57982	1.516
M	63 Xylenes (total)	106				2731	7.57982	1.516
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79115.D
Report Date: 24-Aug-2004 08:37

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	9.448	9.450	(0.965)	4507	3.87054	0.7741
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\U40823A.b\UX79115.D

Date : 23-AUG-2004 15:54

Client ID: MW011A/081604

Instrument: a3ux7.i

Sample Info: GM9WC1AA,5ML/5ML

Purge Volume: 5.0

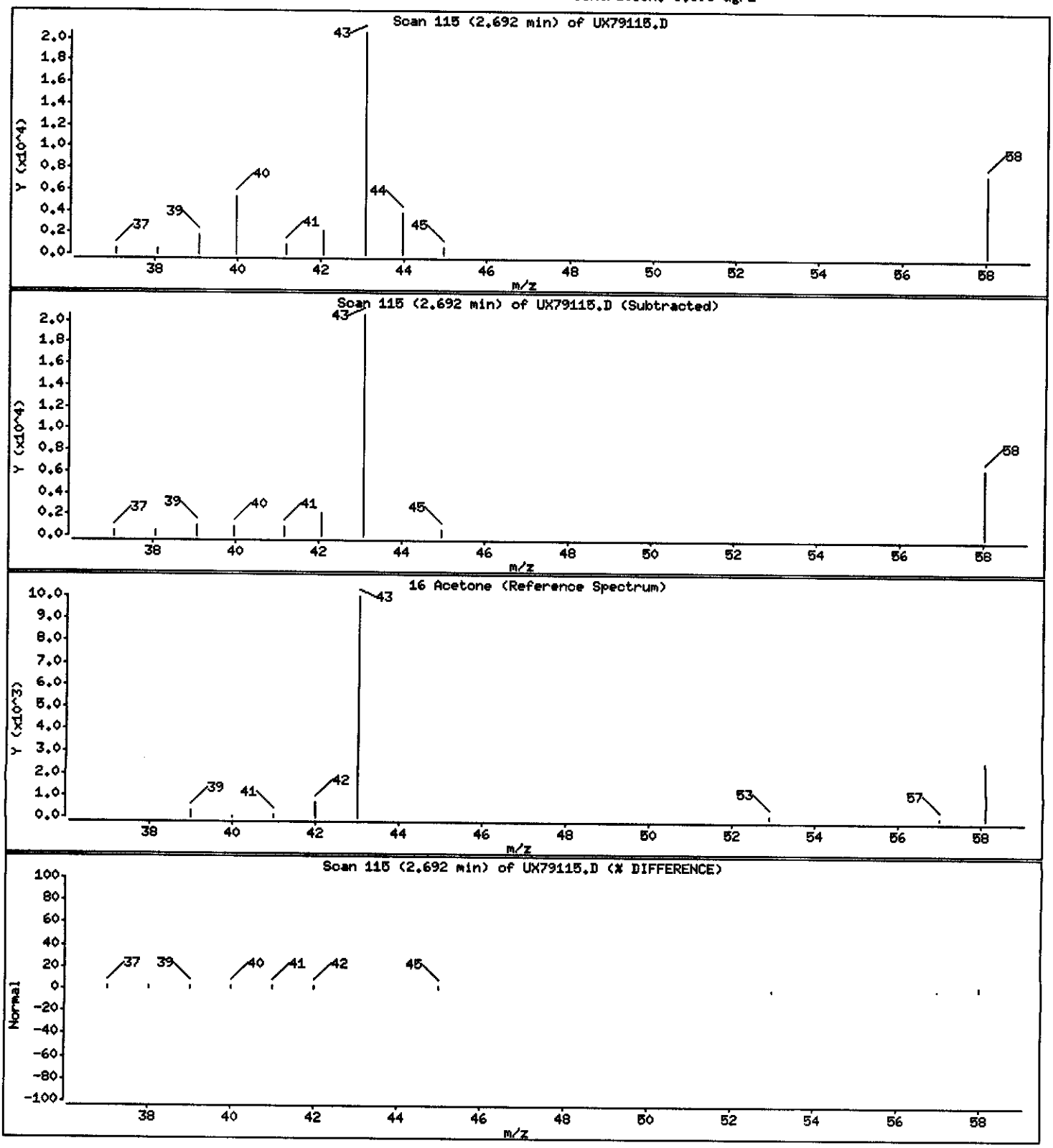
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

16 Acetone

Concentration: 5.896 ug/L



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Date : 23-AUG-2004 15:54

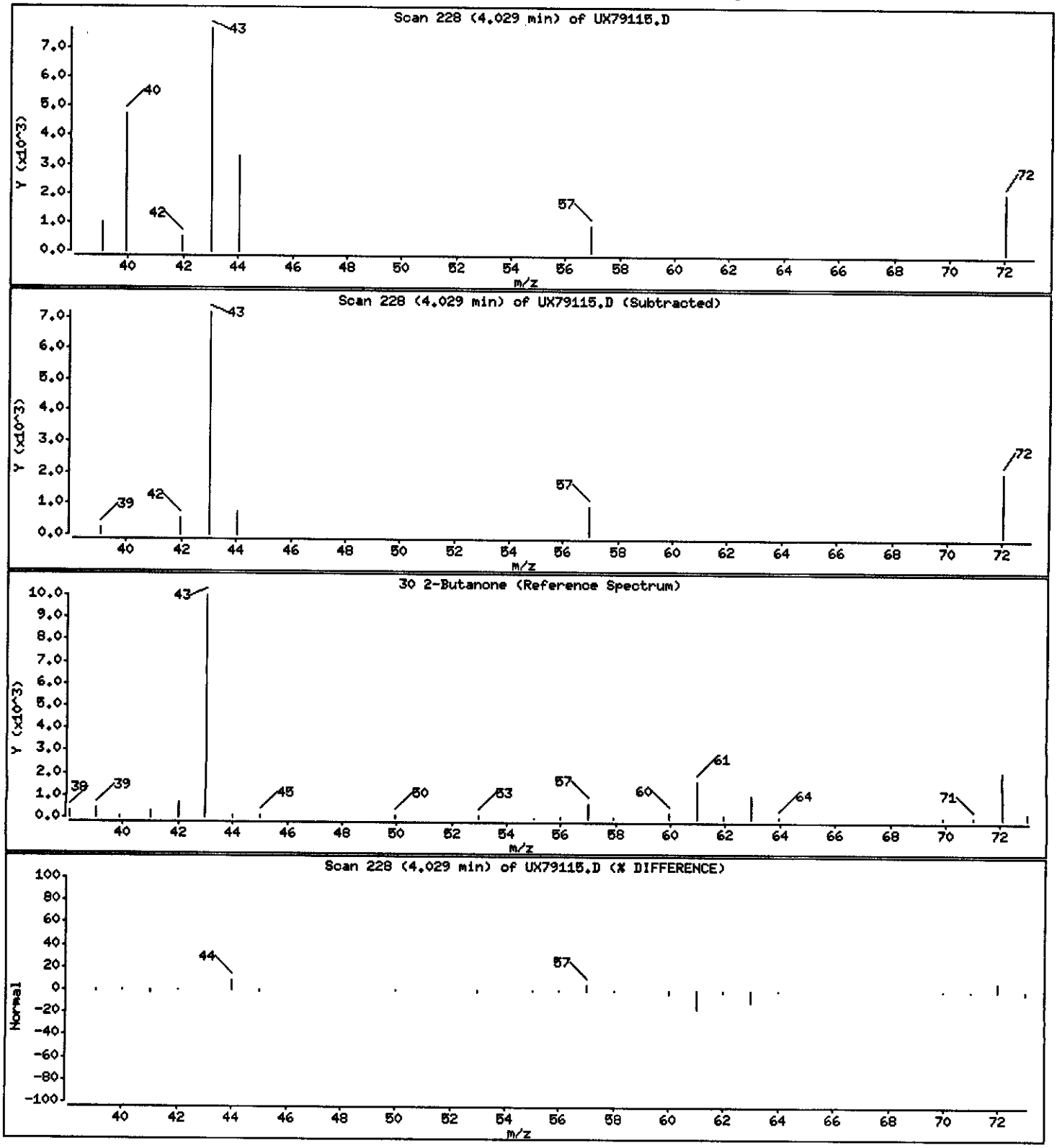
Client ID: MW011A/081604 Instrument: a3ux7.i

Sample Info: GM9WC1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

30 2-Butanone Concentration: 1.749 ug/L



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Date : 23-AUG-2004 15:54

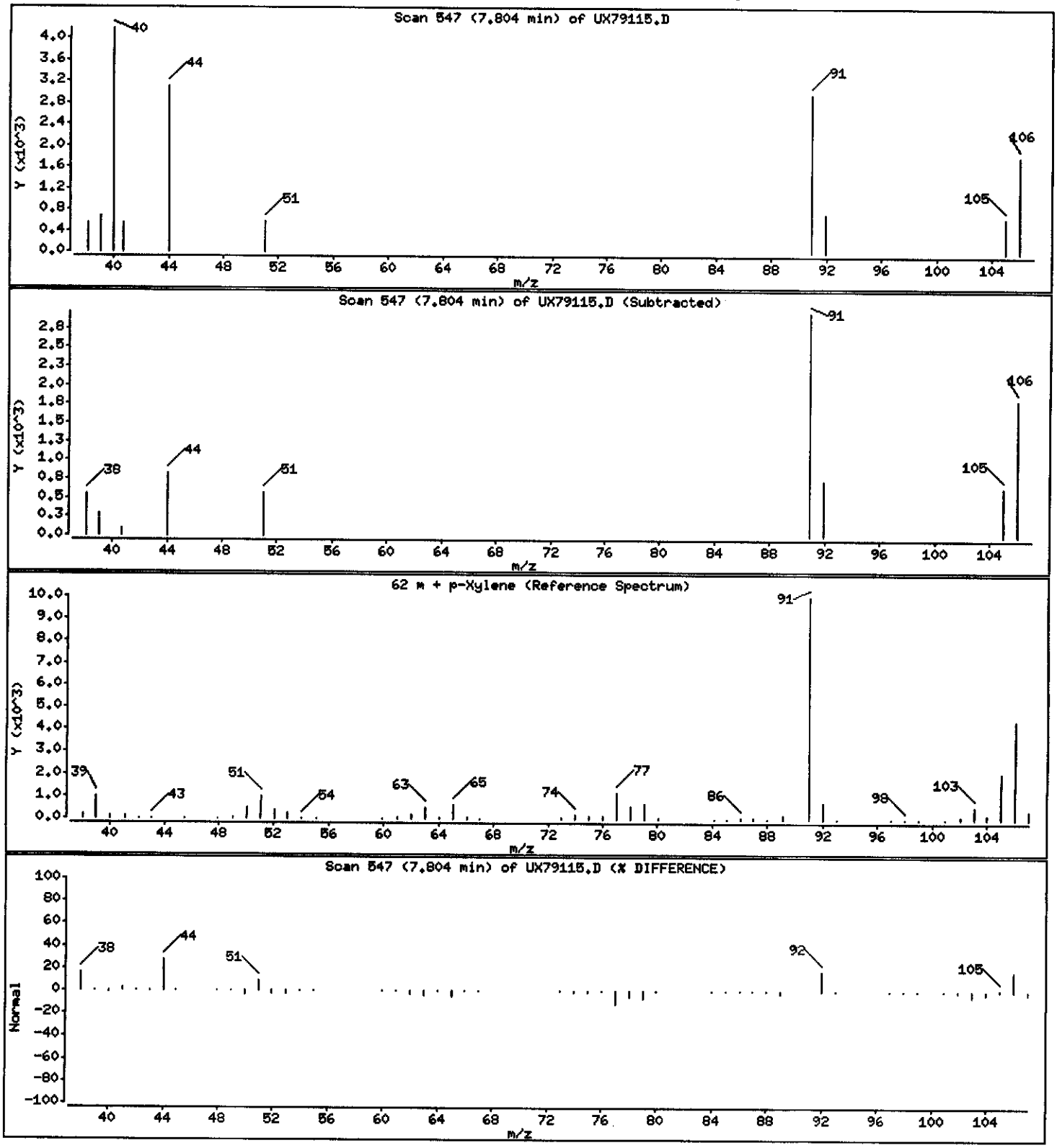
Client ID: MW011A/081604 Instrument: a3ux7.i

Sample Info: GM9WC1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

62 m + p-Xylene Concentration: 1.516 ug/L



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Date : 23-AUG-2004 15:54

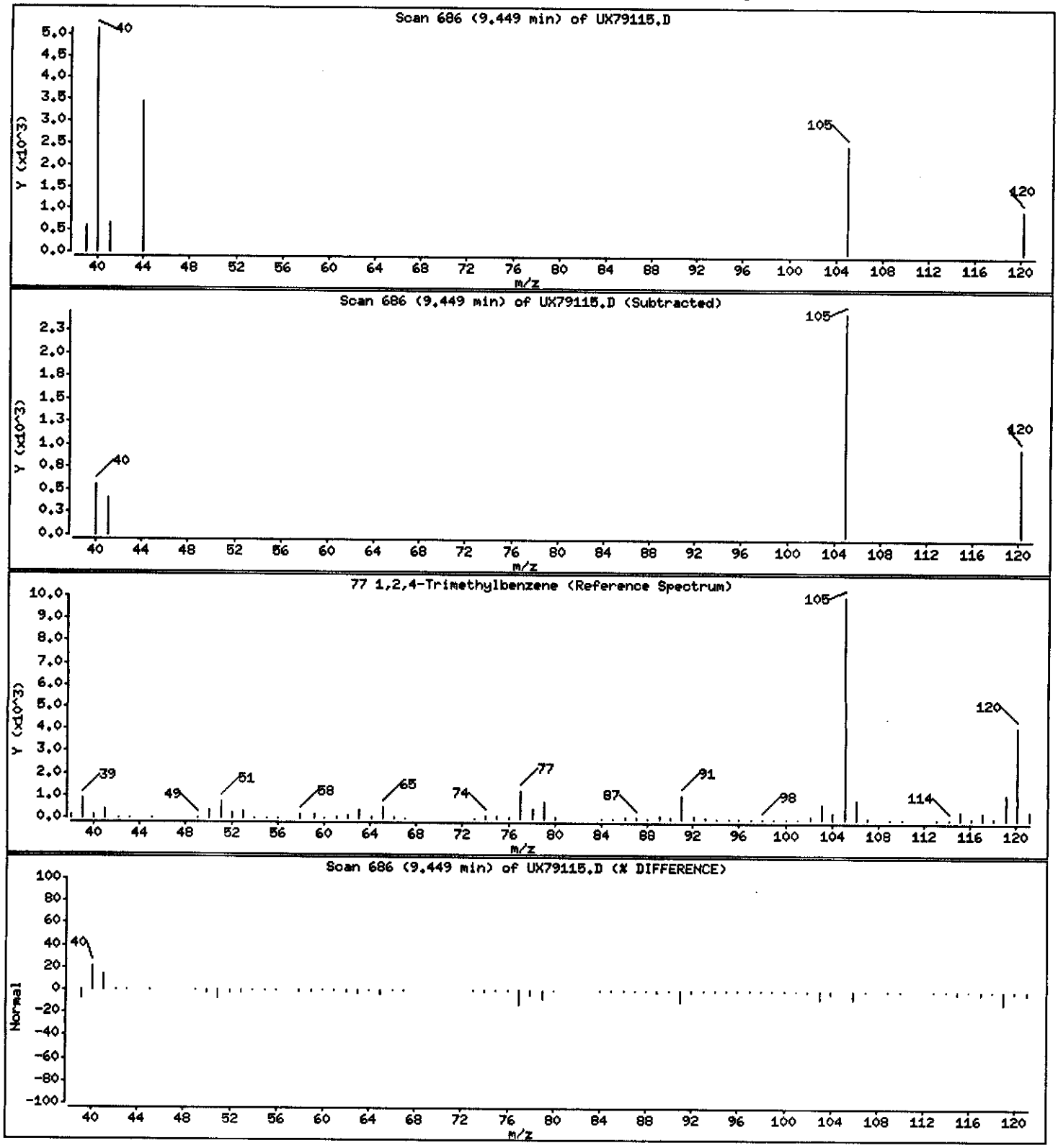
Client ID: MW011A/081604 Instrument: a3ux7.i

Sample Info: GM9WC1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

77 1,2,4-Trimethylbenzene Concentration: 0.7741 ug/L



PAYNE FIRM INC.

Client Sample ID: MW015/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-004 **Work Order #...:** GM9WF1AA **Matrix.....:** WG
Date Sampled...: 08/16/04 14:15 **Date Received..:** 08/17/04
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4238597
Dilution Factor: 10 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	100	ug/L
Acetonitrile	ND	200	ug/L
Acrolein	ND	200	ug/L
Acrylonitrile	ND	200	ug/L
Benzene	**14 B**	**10**	**ug/L**
Bromodichloromethane	ND	10	ug/L
Bromoform	ND	10	ug/L
Bromomethane	ND	10	ug/L
2-Butanone	ND	100	ug/L
Carbon disulfide	ND	10	ug/L
Carbon tetrachloride	ND	10	ug/L
Chlorobenzene	ND	10	ug/L
Chloroprene	ND	20	ug/L
Dibromochloromethane	ND	10	ug/L
Chloroethane	ND	10	ug/L
Chloroform	ND	10	ug/L
Chloromethane	ND	10	ug/L
3-Chloropropene	ND	20	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	ug/L
1,2-Dibromoethane	ND	10	ug/L
Dibromomethane	ND	10	ug/L
trans-1,4-Dichloro-2-butene	ND	10	ug/L
1,1-Dichloroethane	**71**	**10**	**ug/L**
1,2-Dichloroethane	**16**	**10**	**ug/L**
cis-1,2-Dichloroethene	**320**	**10**	**ug/L**
trans-1,2-Dichloroethene	**5.0 J**	**10**	**ug/L**
1,1-Dichloroethene	ND	10	ug/L
1,2-Dichloroethene (total)	**320**	**20**	**ug/L**
Dichlorofluoromethane	ND	20	ug/L
1,2-Dichloropropane	ND	10	ug/L
cis-1,3-Dichloropropene	ND	10	ug/L
trans-1,3-Dichloropropene	ND	10	ug/L
1,4-Dioxane	ND	500	ug/L
Ethylbenzene	ND	10	ug/L
Ethyl methacrylate	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW015/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-004 **Work Order #...:** GM9WF1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	100	ug/L
Iodomethane	ND	10	ug/L
Isobutanol	ND	500	ug/L
Methacrylonitrile	ND	20	ug/L
Methylene chloride	**17 B**	**10**	**ug/L**
Methyl methacrylate	ND	20	ug/L
4-Methyl-2-pentanone	ND	100	ug/L
Propionitrile	ND	40	ug/L
Styrene	**3.1 J,B**	**10**	**ug/L**
1,1,1,2-Tetrachloroethane	ND	10	ug/L
1,1,2,2-Tetrachloroethane	ND	10	ug/L
Tetrachloroethene	ND	10	ug/L
Toluene	ND	10	ug/L
1,1,1-Trichloroethane	ND	10	ug/L
1,1,2-Trichloroethane	ND	10	ug/L
Trichloroethene	**21**	**10**	**ug/L**
Trichlorofluoromethane	ND	10	ug/L
1,2,3-Trichloropropane	ND	10	ug/L
Vinyl acetate	ND	20	ug/L
Vinyl chloride	**48**	**10**	**ug/L**
Xylenes (total)	ND	20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

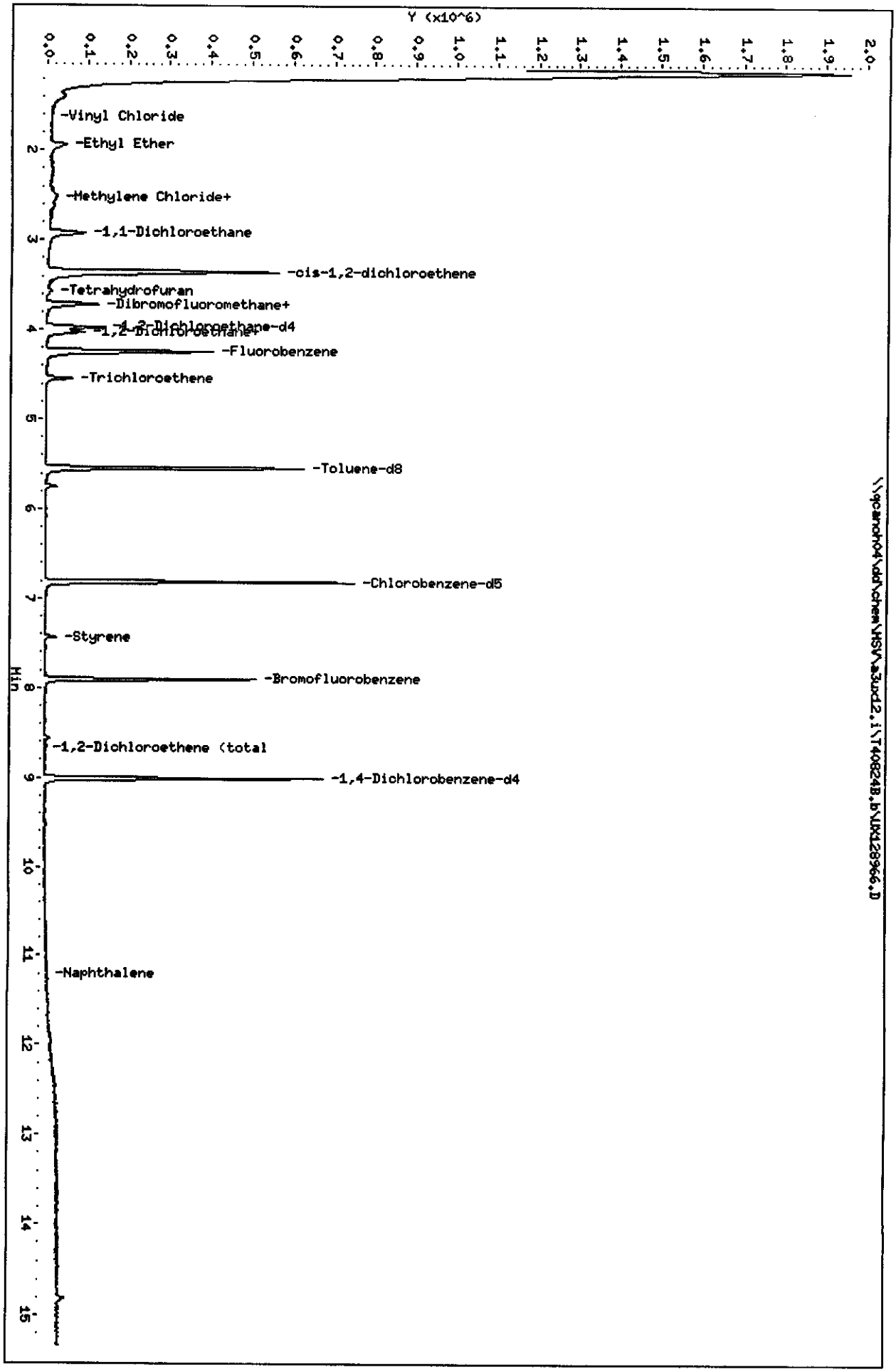
NOTE(S):

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\HSV\a3ux12.i\T40824B.b\UR128966.D
Date : 25-AUG-2004 01:38
Client ID: MW015/081604
Sample Info: CH9WF1AA,0.5ML/5ML
Purge Volume: 0.5
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128966.D
Report Date: 25-Aug-2004 18:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128966.D
Lab Smp Id: GM9WF1AA Client Smp ID: MW015/081604
Inj Date : 25-AUG-2004 01:38
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GM9WF1AA,0.5ML/5ML
Misc Info : T40824B,8260LLUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 25-Aug-2004 18:24 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.500	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.242	4.242	(1.000)	463596	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	435979	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.011	9.011	(1.000)	189163	50.0000	
$ 4 Dibromofluoromethane	113	3.713	3.713	(0.875)	97339	49.9135	99.827
$ 5 1,2-Dichloroethane-d4	65	3.980	3.974	(0.938)	125816	51.2381	102.48
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	451573	50.2679	100.54
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	179424	47.6799	95.360
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.395	1.395	(0.329)	79034	24.1673	48.335
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\a3ux12.i\T40824B.b\UX128966.D
Report Date: 25-Aug-2004 18:28

	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	2.539	2.526	(0.598)	22749	8.60363	17.207
	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	2.624	2.624	(0.619)	5879	2.51346	5.027
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	2.922	2.922	(0.689)	135912	35.4641	70.928
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				396815	160.746	321.49
	32 cis-1,2-dichloroethene	96	3.354	3.354	(0.791)	390936	158.233	316.46
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	3.567	3.567	(0.841)	8089	8.38482	16.770
	37 1,1,1-Trichloroethane	97	3.737	3.737	(0.881)	3127	1.01605	2.032
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	4.035	4.035	(0.951)	24274	7.79286	15.586
	41 Benzene	78	4.029	4.023	(0.950)	72293	7.02639	14.053
	42 Trichloroethene	130	4.540	4.540	(1.070)	27408	10.2818	20.564
	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	7.436	7.436	(1.091)	14016	1.53701	3.074
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128966.D
Report Date: 25-Aug-2004 18:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
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	11.195	11.195	(1.242)	1020	4.25801	8.516
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	1.936	1.942	(0.457)	41440	21.4202	42.840
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\a3ux12.i\T40824B.b\UX128966.D

Date : 25-AUG-2004 01:38

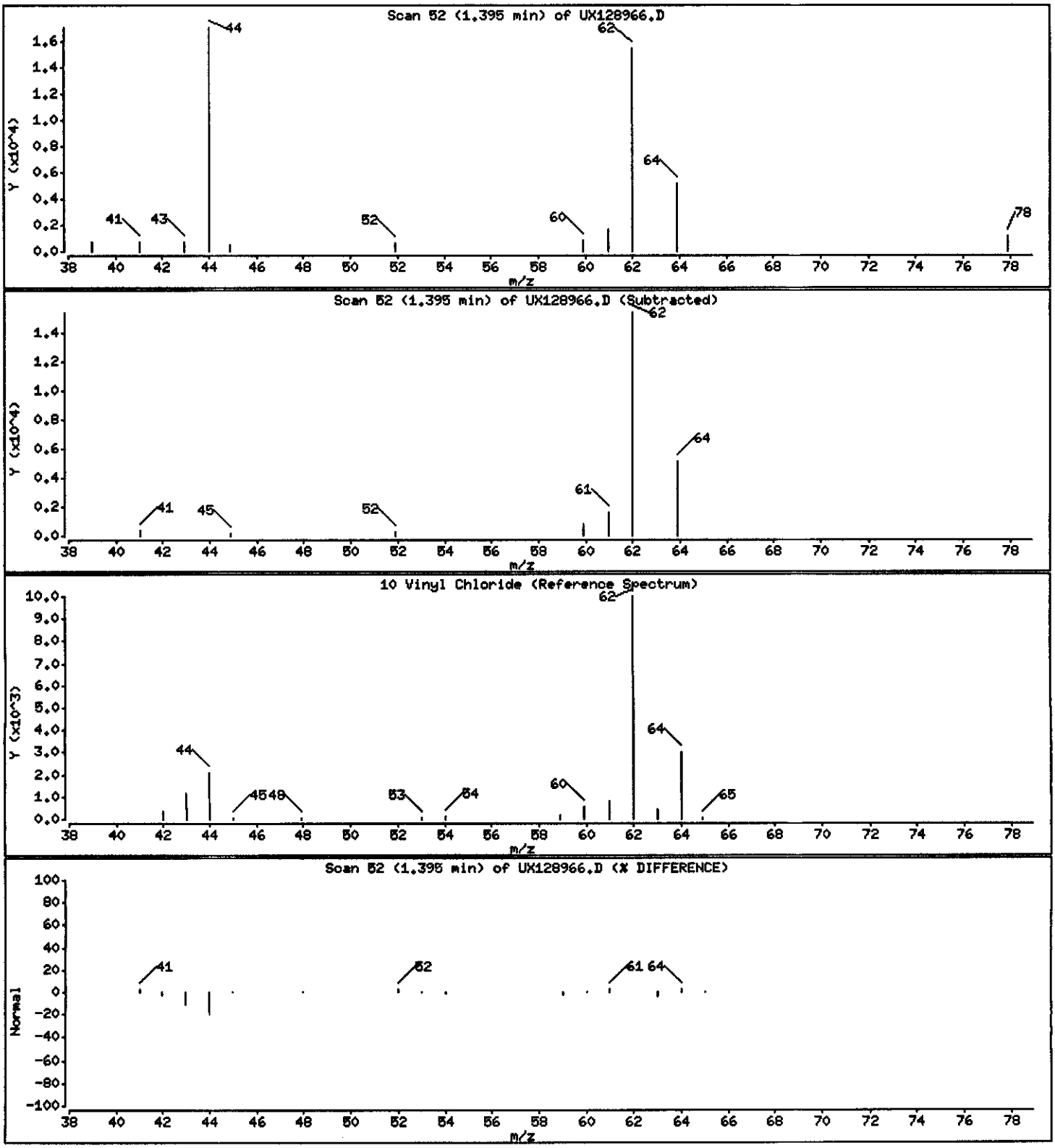
Client ID: MW015/081604 Instrument: a3ux12.i

Sample Info: GM9WF1AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 1903

Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 48.335 ug/L



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Date : 25-AUG-2004 01:38

Client ID: MW015/081604

Instrument: a3ux12.i

Sample Info: GM9WF1AA,0.5ML/5ML

Purge Volume: 0.5

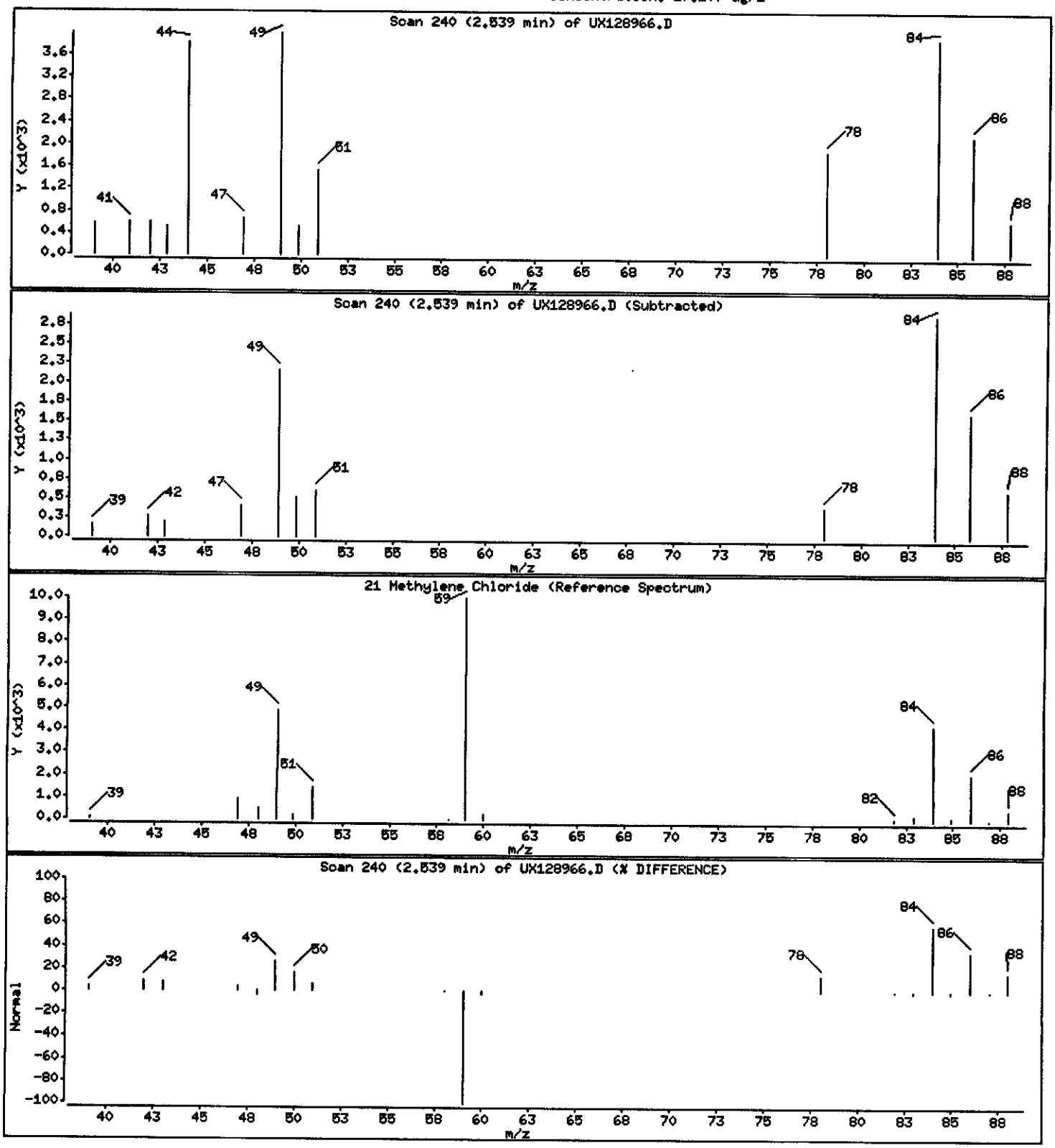
Operator: 1903

Column phase: DB624

Column diameter: 0.18

21 Methylene Chloride

Concentration: 17.207 ug/L



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Date : 25-AUG-2004 01:38

Client ID: MW015/081604

Instrument: a3ux12.i

Sample Info: GM9WF1AA,0.5ML/5ML

Purge Volume: 0.5

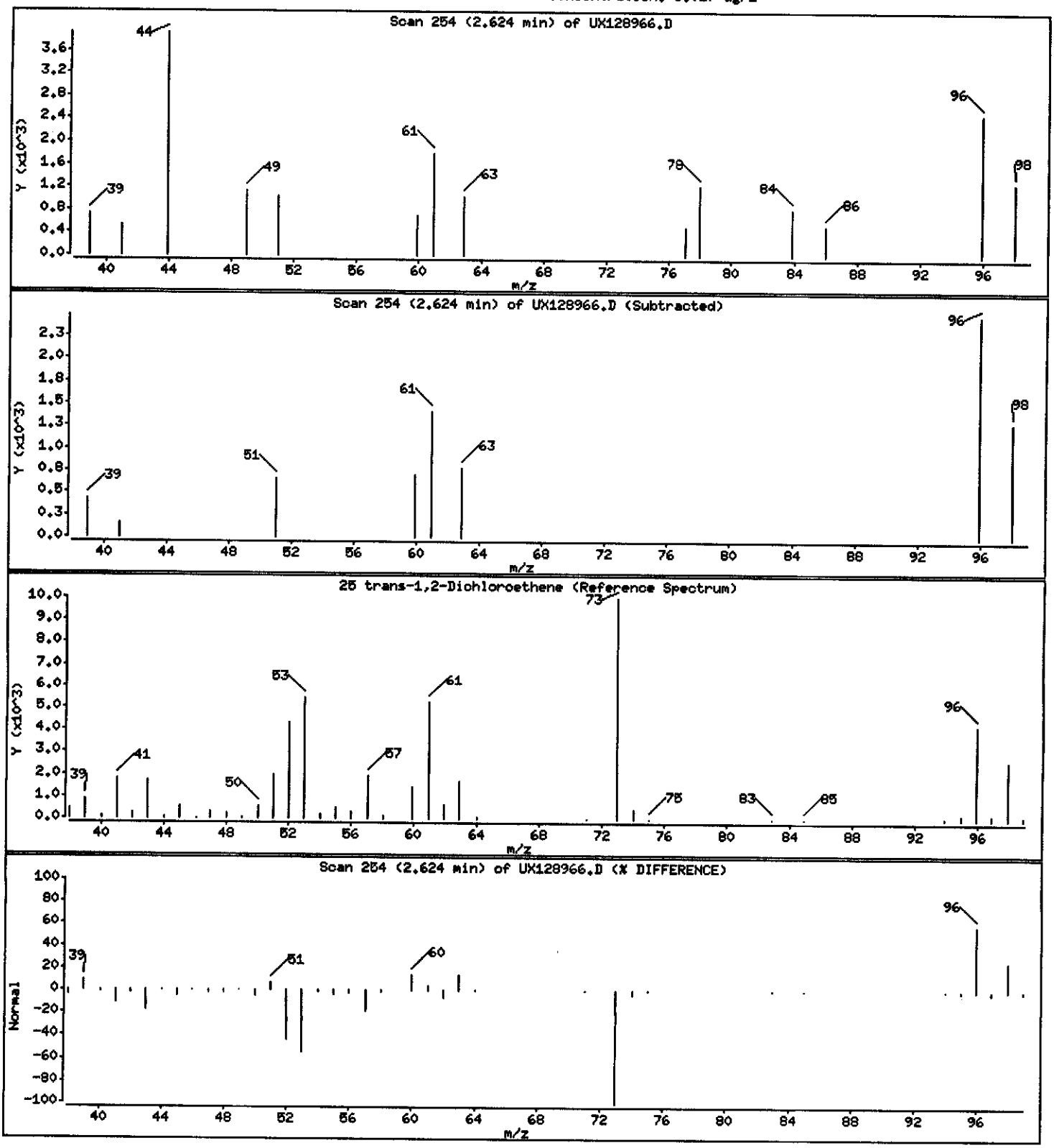
Operator: 1903

Column phase: DB624

Column diameter: 0.18

25 trans-1,2-Dichloroethene

Concentration: 5.027 ug/L



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Date : 25-AUG-2004 01:38

Client ID: MW015/081604

Instrument: a3ux12.i

Sample Info: GM9WF1AA,0.5ML/5ML

Purge Volume: 0.5

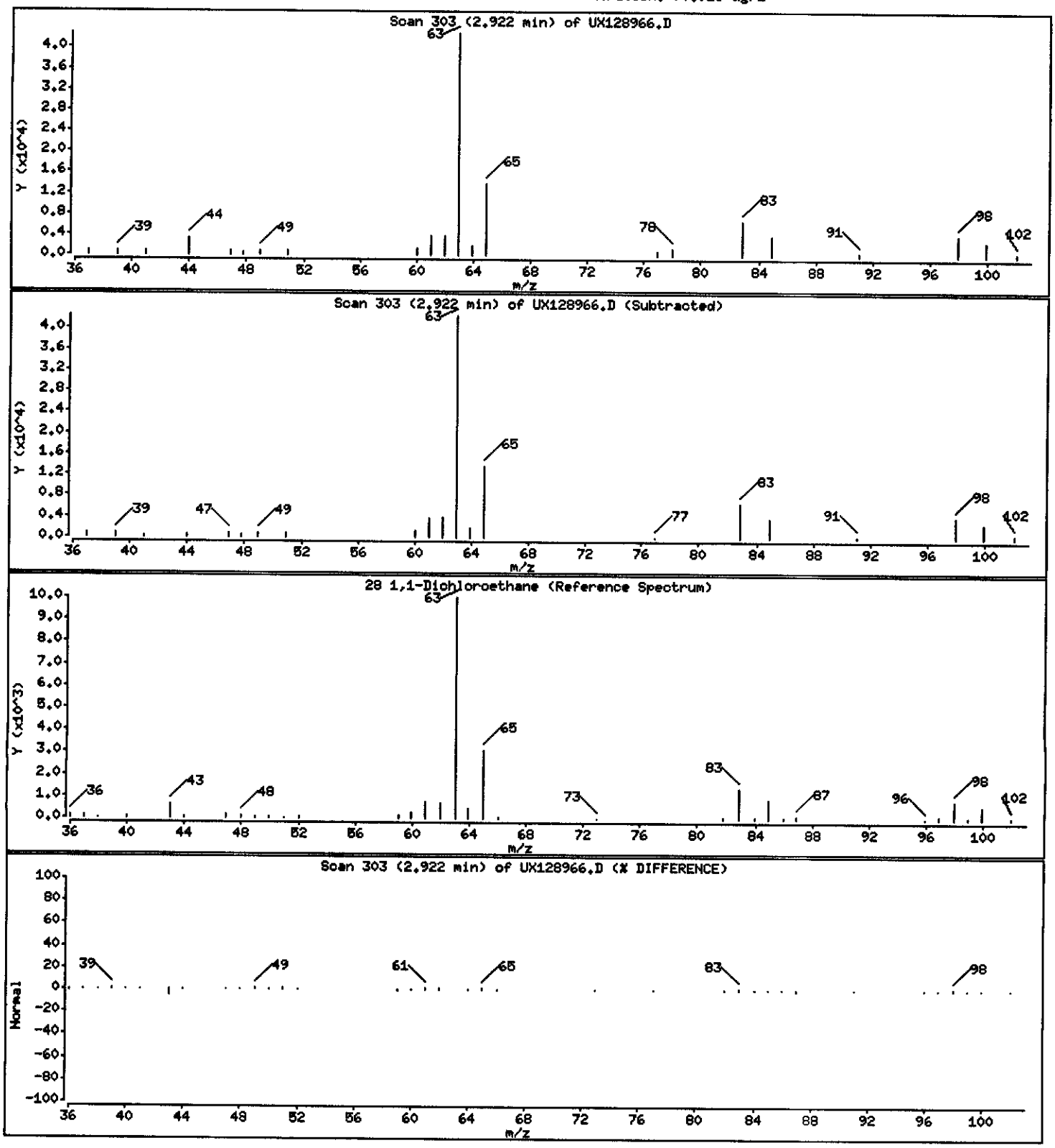
Operator: 1903

Column phase: DB624

Column diameter: 0.18

28 1,1-Dichloroethane

Concentration: 70.928 ug/L



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Date : 26-AUG-2004 01:38

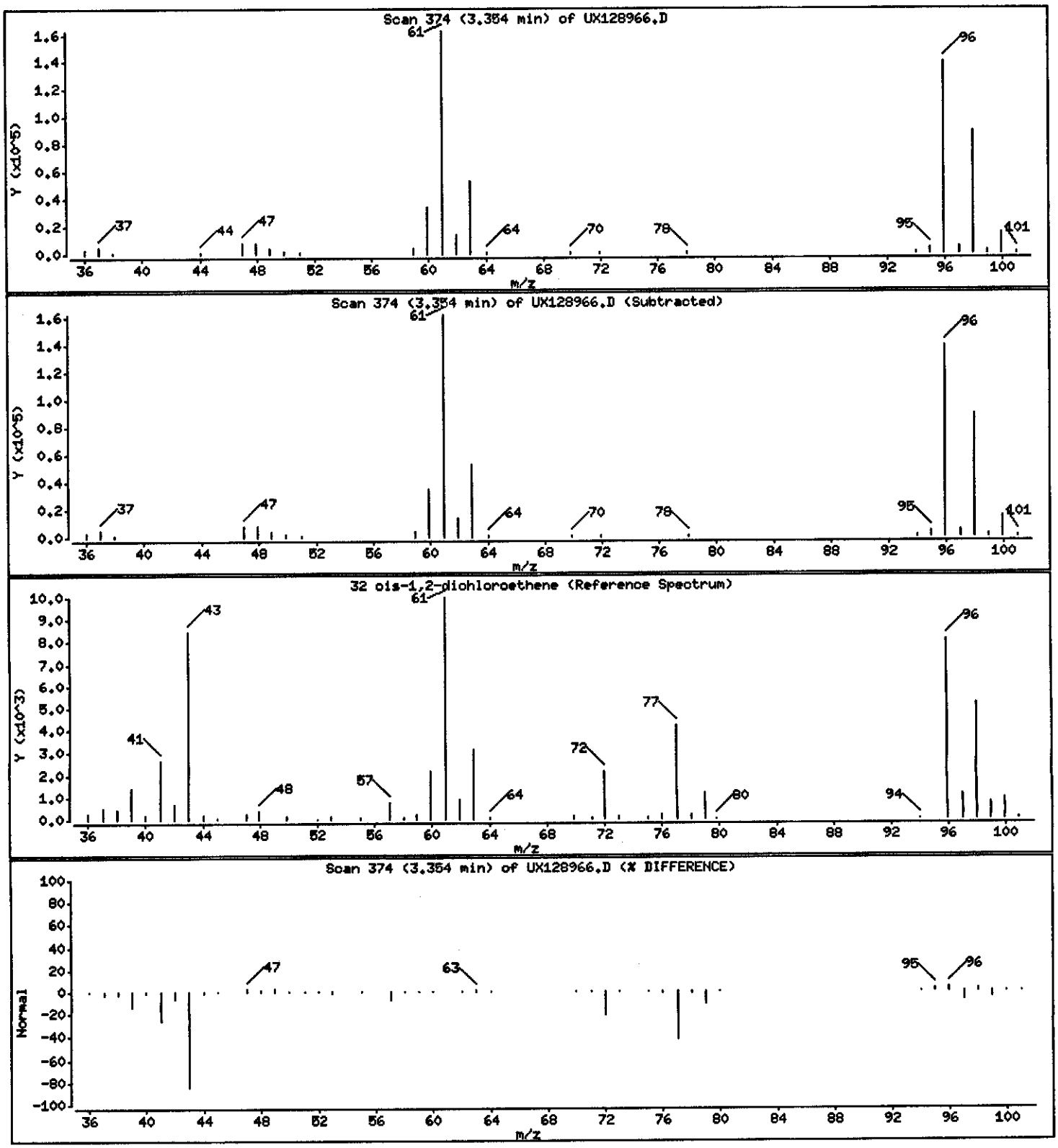
Client ID: MW015/081604 Instrument: a3ux12.i

Sample Info: GM9WF1AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 1903

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 316.46 ug/L



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Date : 25-AUG-2004 01:38

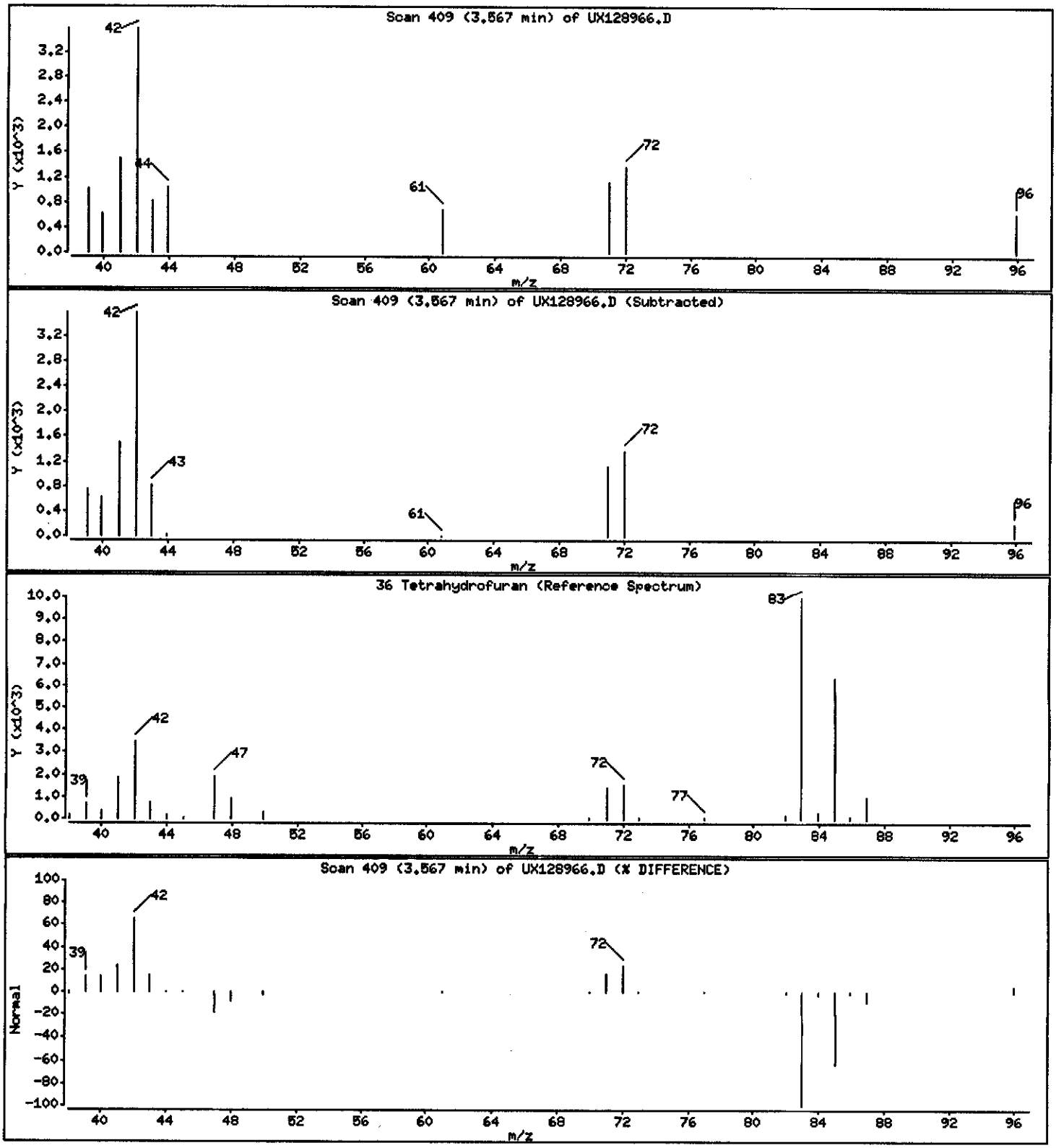
Client ID: MW015/081604 Instrument: a3ux12.i

Sample Info: GM9WF1AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 1903

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 16.770 ug/L



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Date : 25-AUG-2004 01:38

Client ID: MW015/081604

Instrument: a3ux12.i

Sample Info: GM9WF1AA,0.5ML/5ML

Purge Volume: 0.5

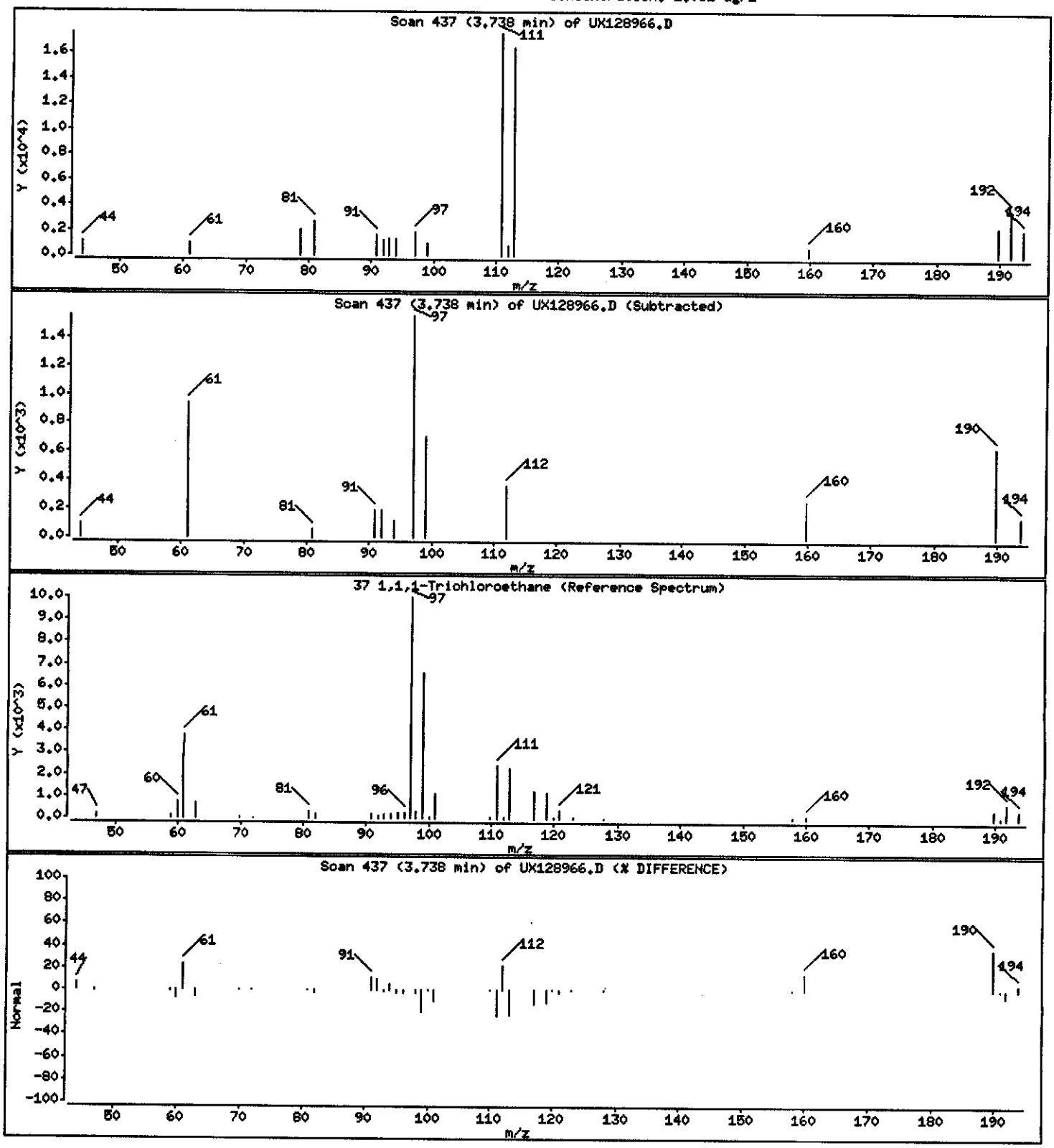
Operator: 1903

Column phase: DB624

Column diameter: 0.18

37 1,1,1-Trichloroethane

Concentration: 2.032 ug/L



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Date : 25-AUG-2004 01:38

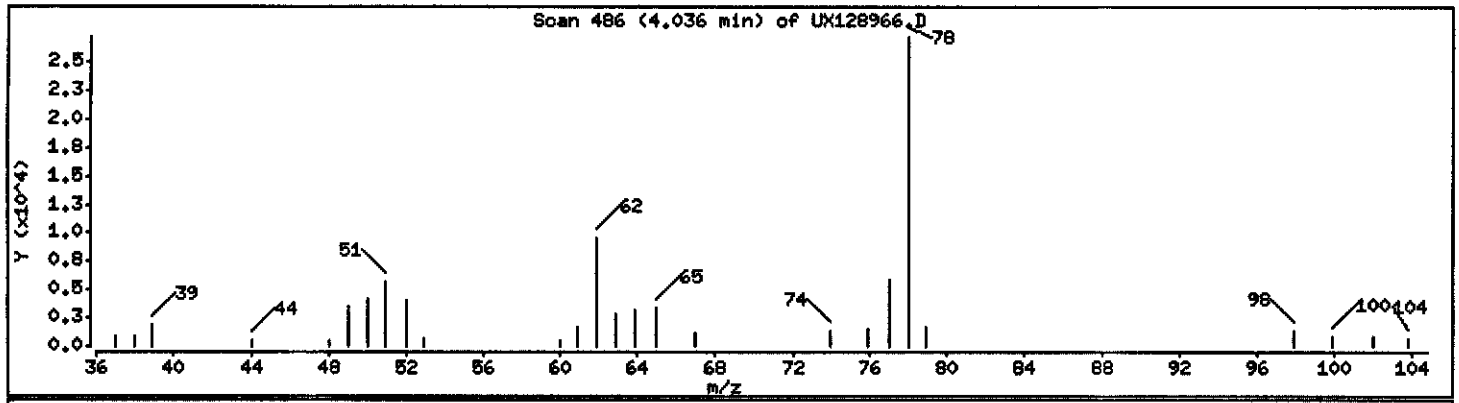
Client ID: MW015/081604 Instrument: a3ux12.i

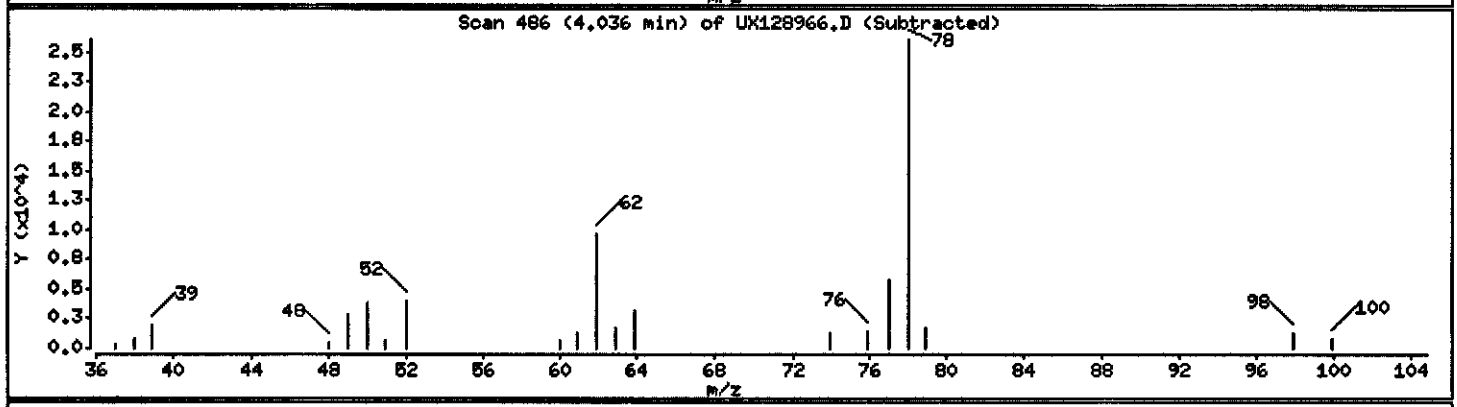
Sample Info: GM9WF1AA,0.5ML/5ML

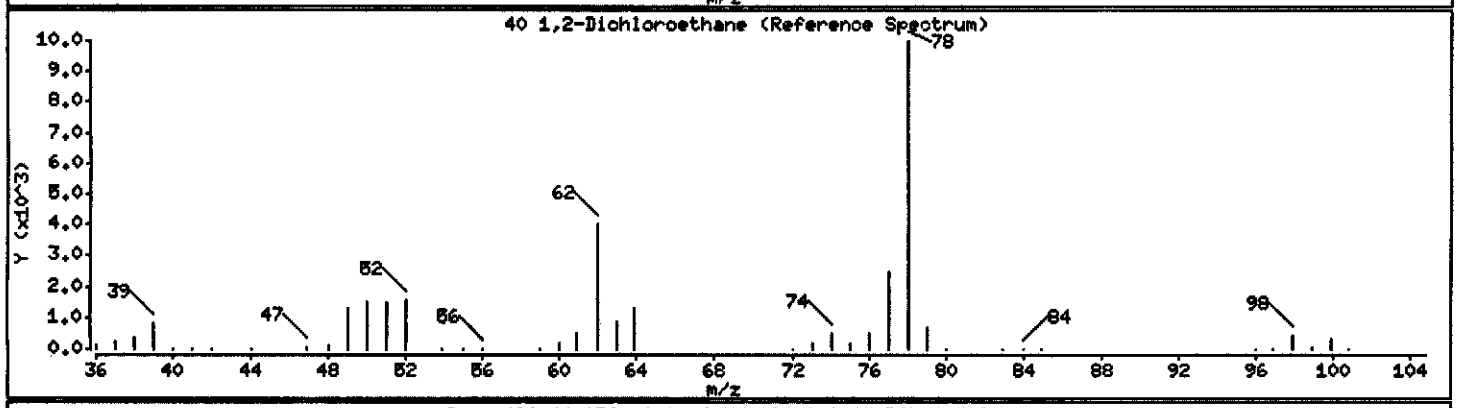
Purge Volume: 0.5 Operator: 1903

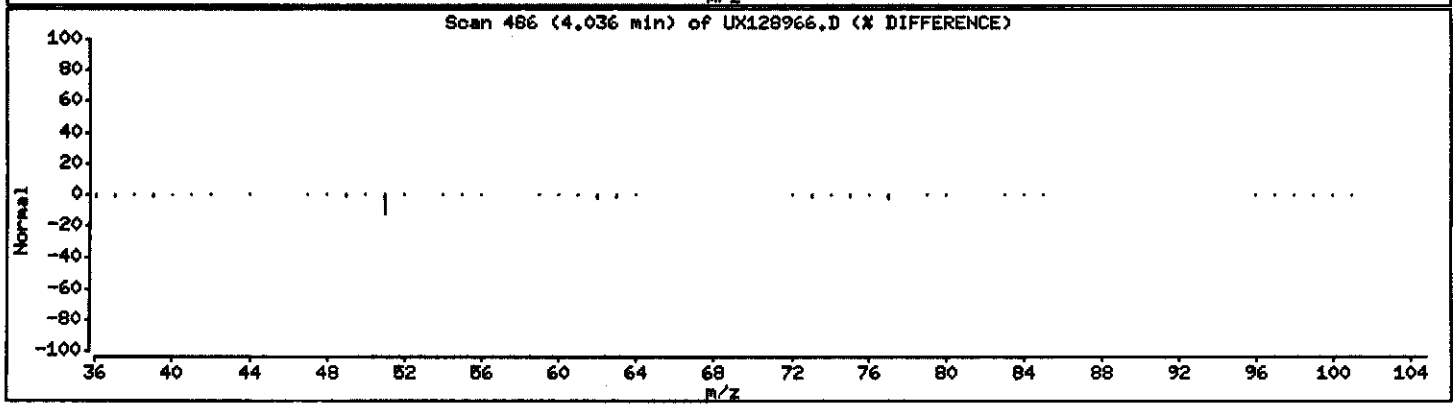
Column phase: DB624 Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 15.586 ug/L









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Date : 25-AUG-2004 01:38

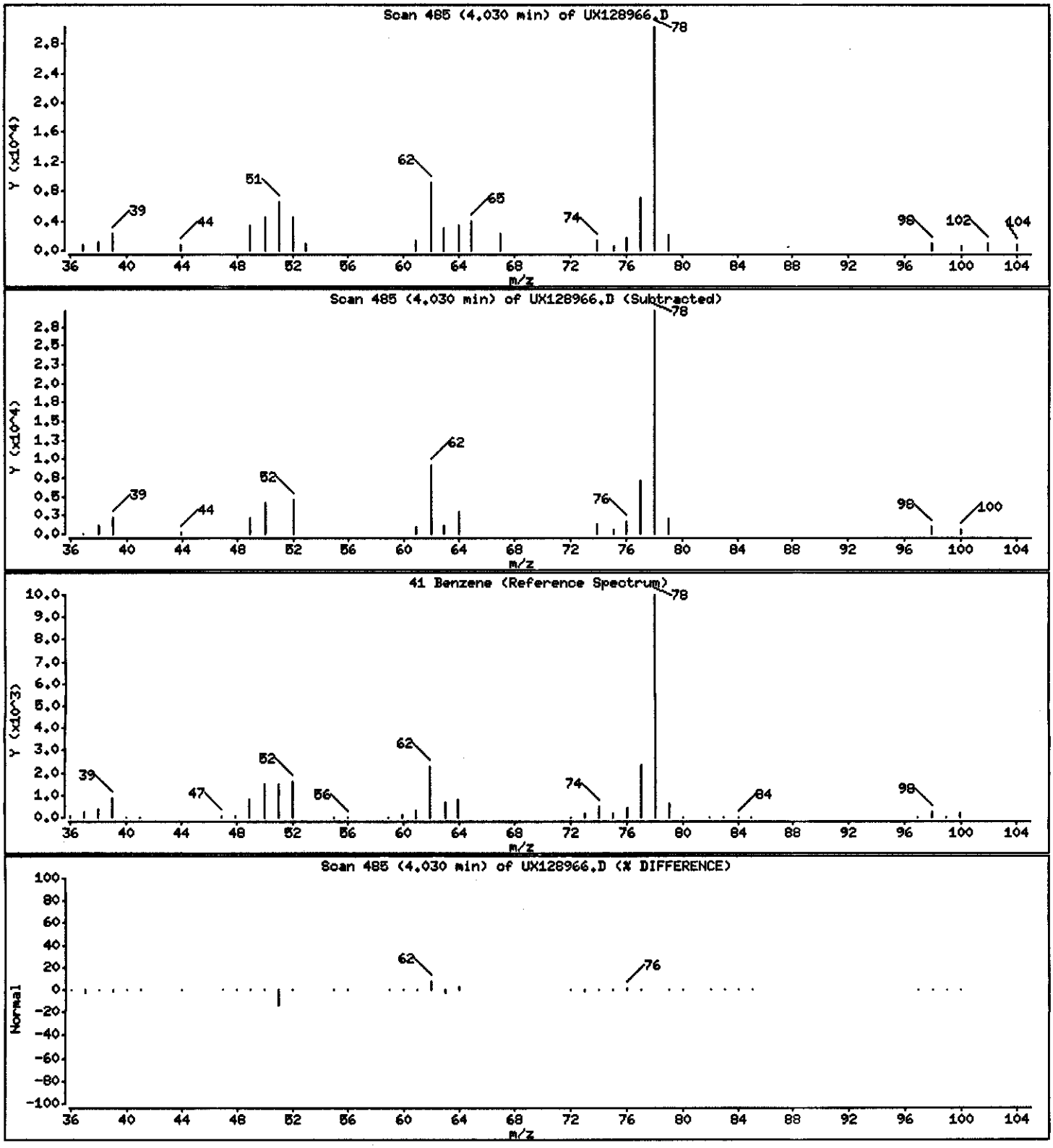
Client ID: MW015/081604 Instrument: a3ux12.i

Sample Info: GM9WF1AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 1903

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 14.053 ug/L



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Date : 25-AUG-2004 01:38

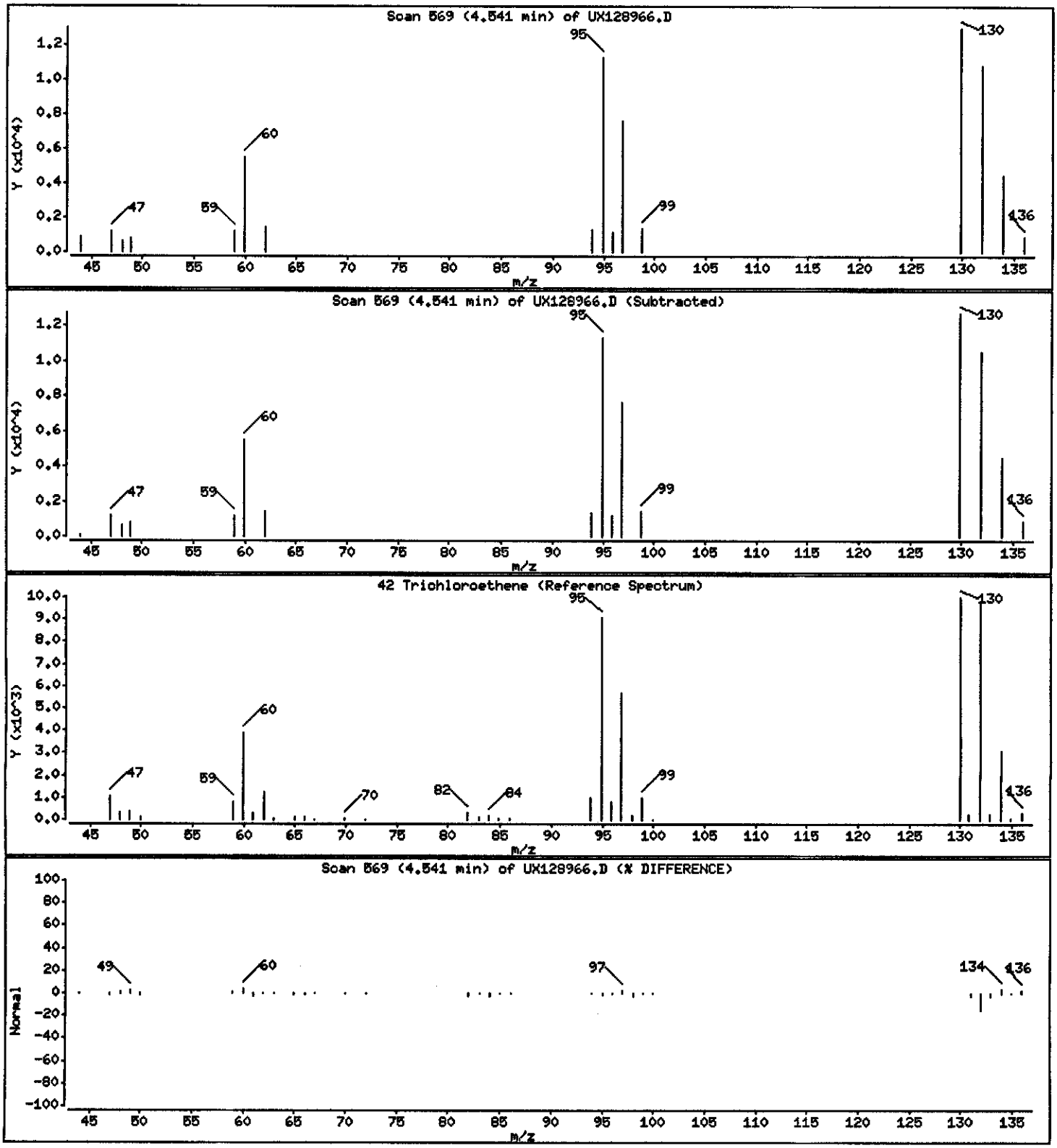
Client ID: MW015/081604 Instrument: a3ux12.i

Sample Info: GM9WF1AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 1903

Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 20.564 ug/L



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Date : 25-AUG-2004 01:38

Client ID: MW015/081604

Instrument: a3ux12.i

Sample Info: GM9WF1AA,0.5ML/5ML

Purge Volume: 0.5

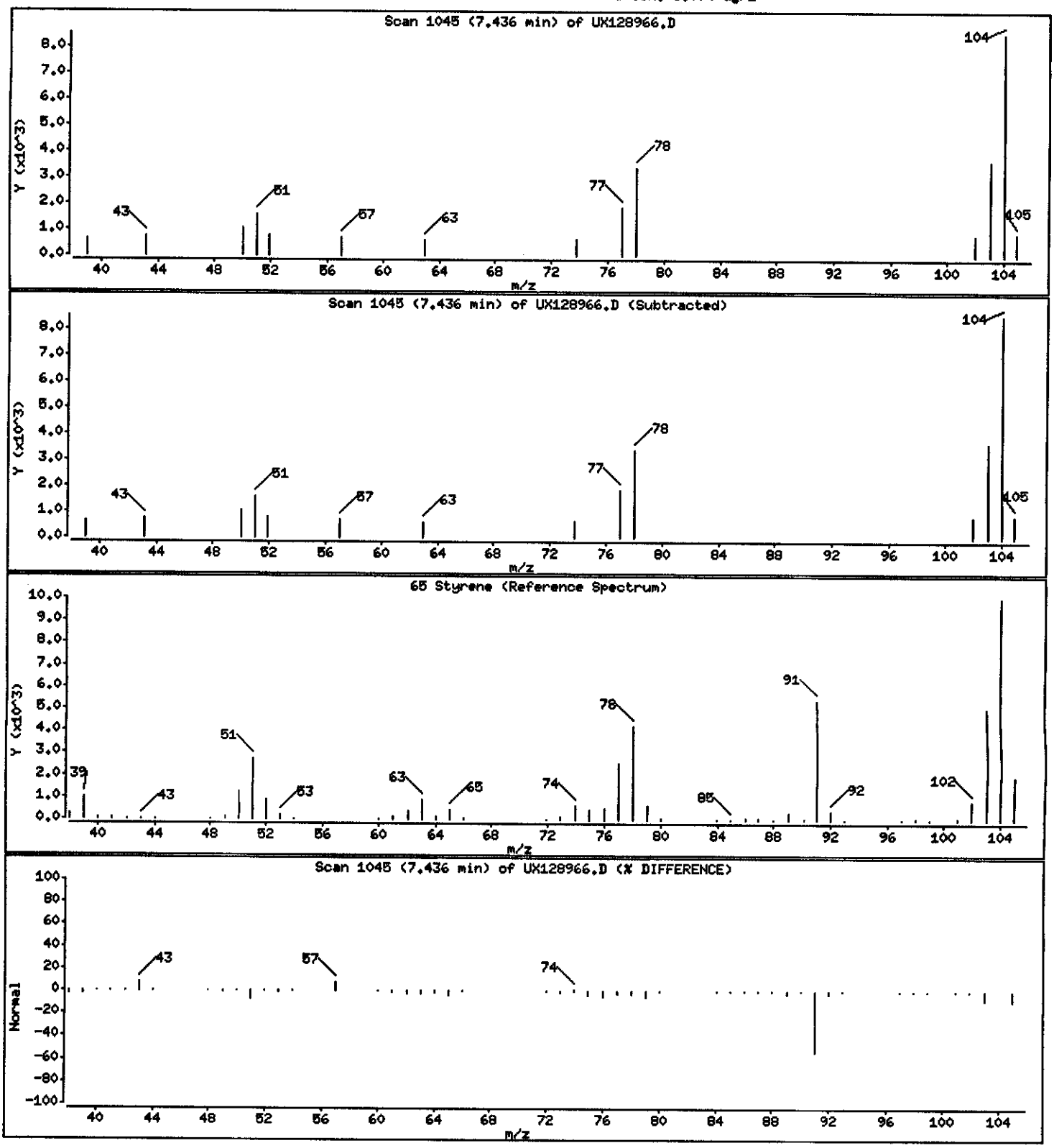
Operator: 1903

Column phase: DB624

Column diameter: 0.18

65 Styrene

Concentration: 3.074 ug/L



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Date : 25-AUG-2004 01:38

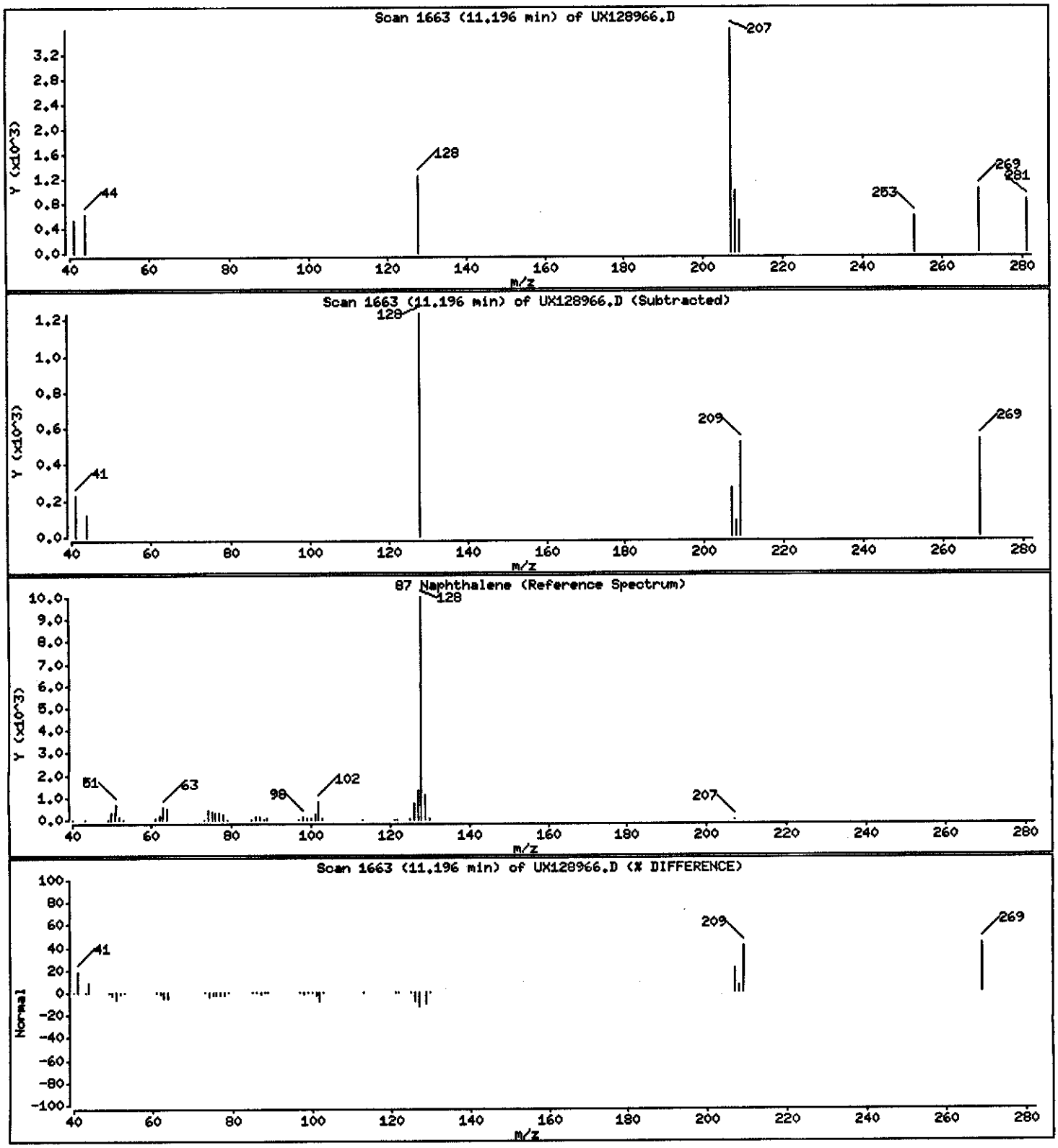
Client ID: MW015/081604 Instrument: a3ux12.i

Sample Info: GM9WF1AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 1903

Column phase: DB624 Column diameter: 0.18

87 Naphthalene Concentration: 8.516 ug/L



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Date : 25-AUG-2004 01:38

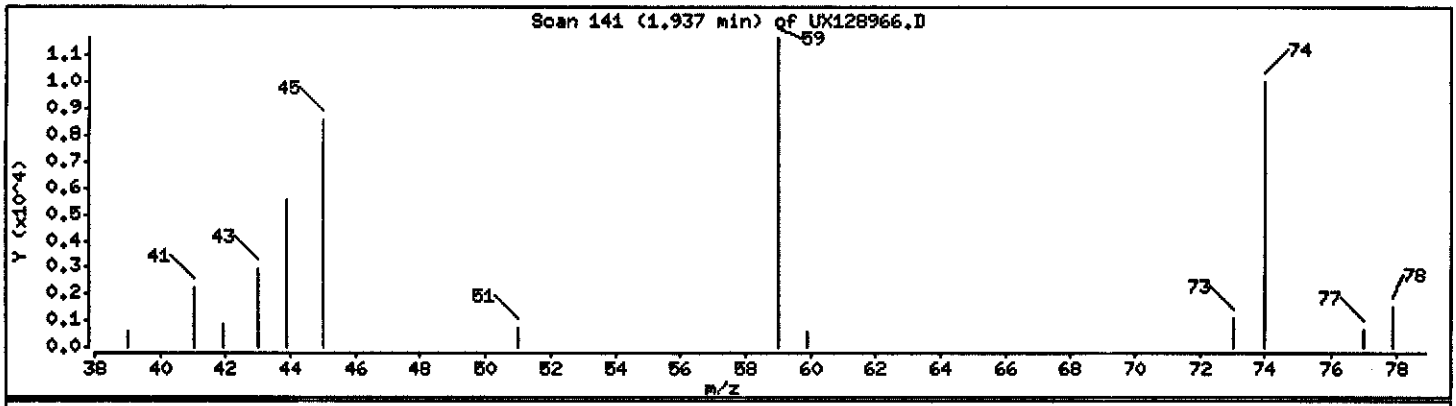
Client ID: MW015/081604 Instrument: a3ux12.i

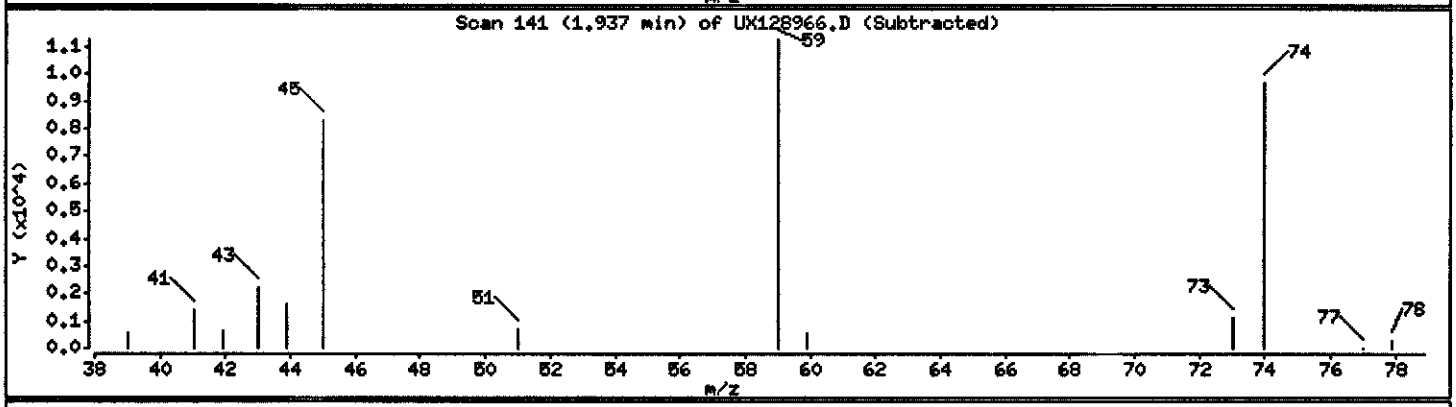
Sample Info: CM9WF1AA,0.5ML/5ML

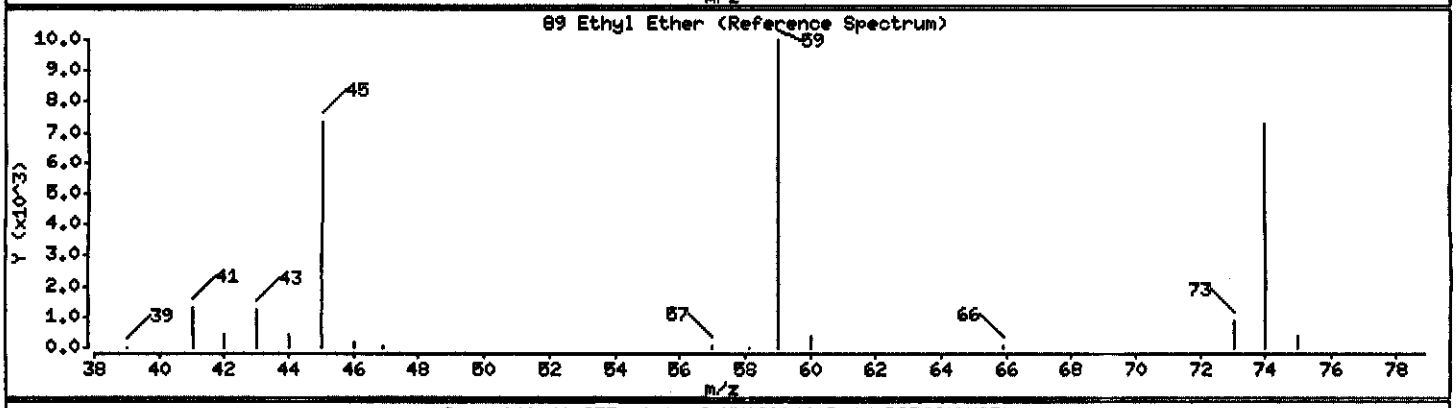
Purge Volume: 0.5 Operator: 1903

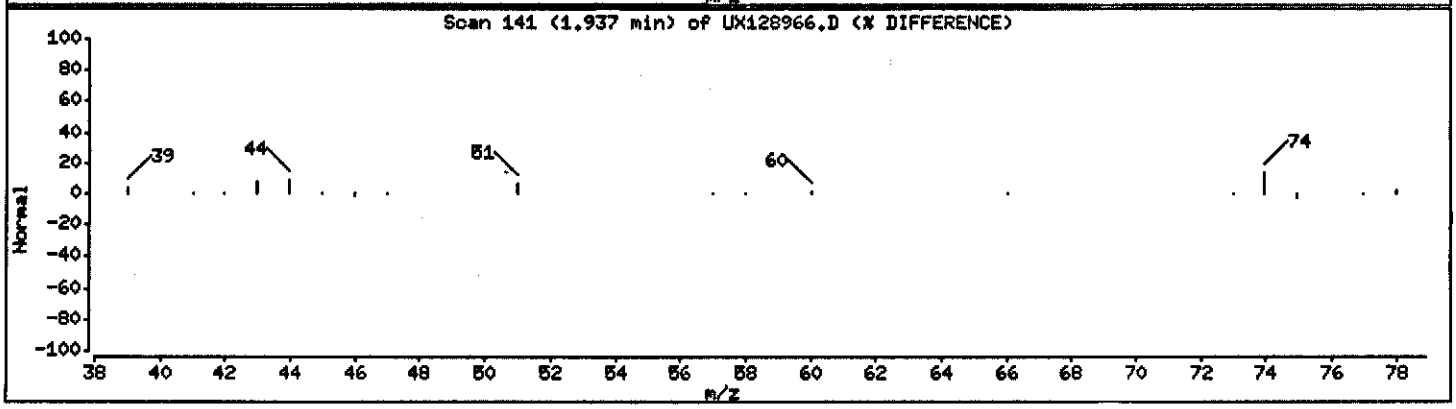
Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 42.840 ug/L









PAYNE FIRM INC.

Client Sample ID: MW017/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-005 **Work Order #...:** GM9WH1AA **Matrix.....:** WG
Date Sampled...: 08/16/04 15:36 **Date Received..:** 08/17/04
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4238597
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.3 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	**0.48 J,B**	**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: MW017/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-005 **Work Order #...:** GM9WH1AA **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	**0.27 J,B**	**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	102	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

NOTE(S):

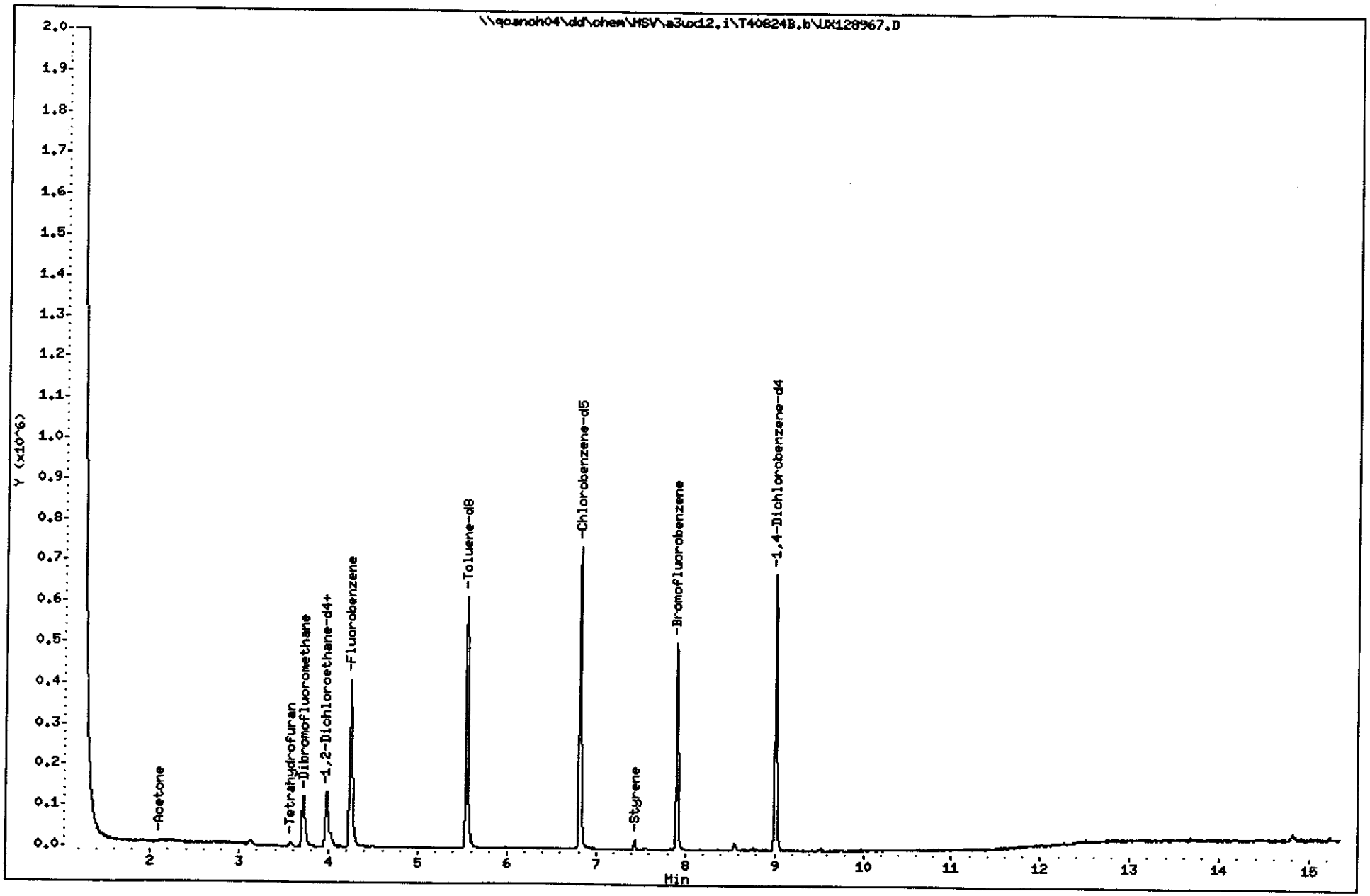
J Estimated result. Result is less than RL.

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128967.D
Date : 25-AUG-2004 02:02
Client ID: MW017/081604
Sample Info: GH9WH1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i

Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128967.D
Report Date: 25-Aug-2004 18:29

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128967.D
Lab Smp Id: GM9WH1AA Client Smp ID: MW017/081604
Inj Date : 25-AUG-2004 02:02
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GM9WH1AA,5ML/5ML
Misc Info : T40824B,8260LLUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 25-Aug-2004 18:24 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

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	4.242	4.242	(1.000)	463109	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	426018	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.012	9.011	(1.000)	188858	50.0000	
$ 4 Dibromofluoromethane	113	3.713	3.713	(0.875)	99163	50.9023	10.180
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	122912	50.1081	10.022
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	434103	49.4531	9.891
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	169815	46.1816	9.236
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	2.131	2.119	(0.502)	20280	6.52459	1.305
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128967.D
Report Date: 25-Aug-2004 18:29

	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	57	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	3.567	3.567	(0.841)	6695	6.60105	1.320
	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	4.029	4.023	(0.950)	24751	2.40816	0.4816
	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	7.430	7.436	(1.090)	12003	1.34704	0.2694
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128967.D
Report Date: 25-Aug-2004 18:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
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\a3ux12.i\T40824B.b\UX128967.D

Date : 25-AUG-2004 02:02

Client ID: MW017/081604

Instrument: a3ux12.i

Sample Info: GH9WH1AA,5ML/5ML

Purge Volume: 5.0

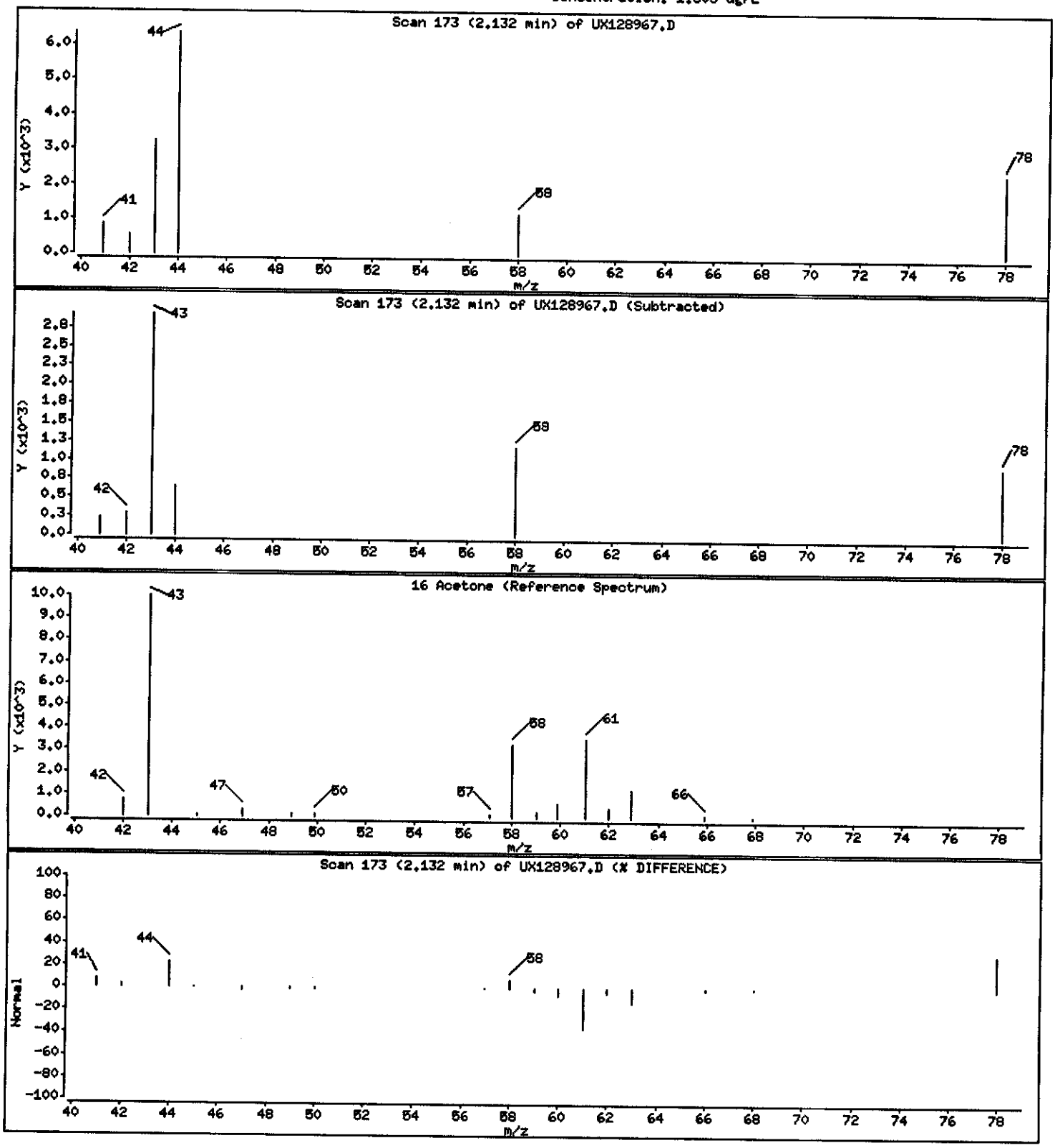
Operator: 1903

Column phase: DB624

Column diameter: 0.18

16 Acetone

Concentration: 1.305 ug/L



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Date : 25-AUG-2004 02:02

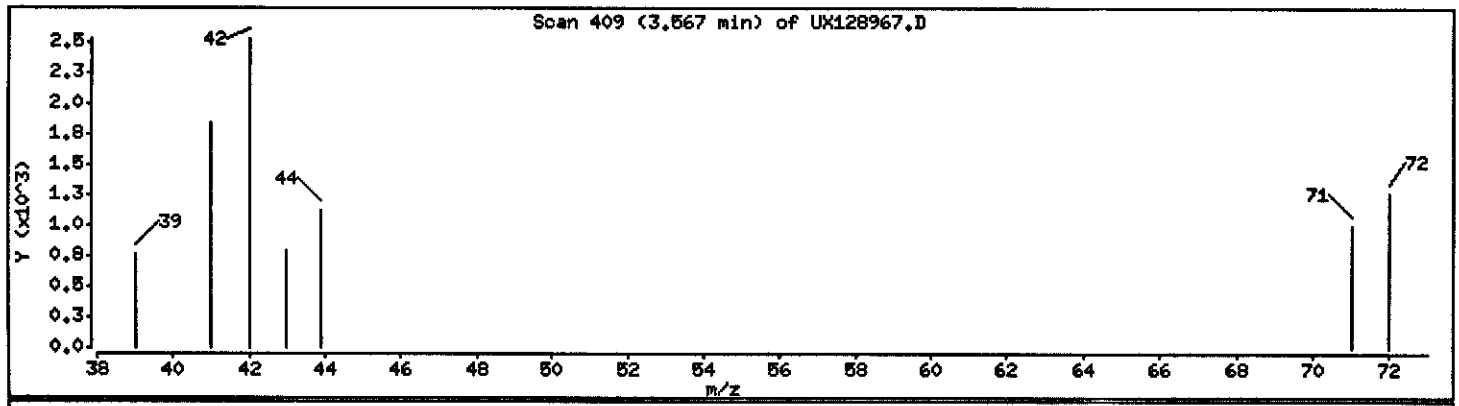
Client ID: MW017/081604 Instrument: a3ux12.i

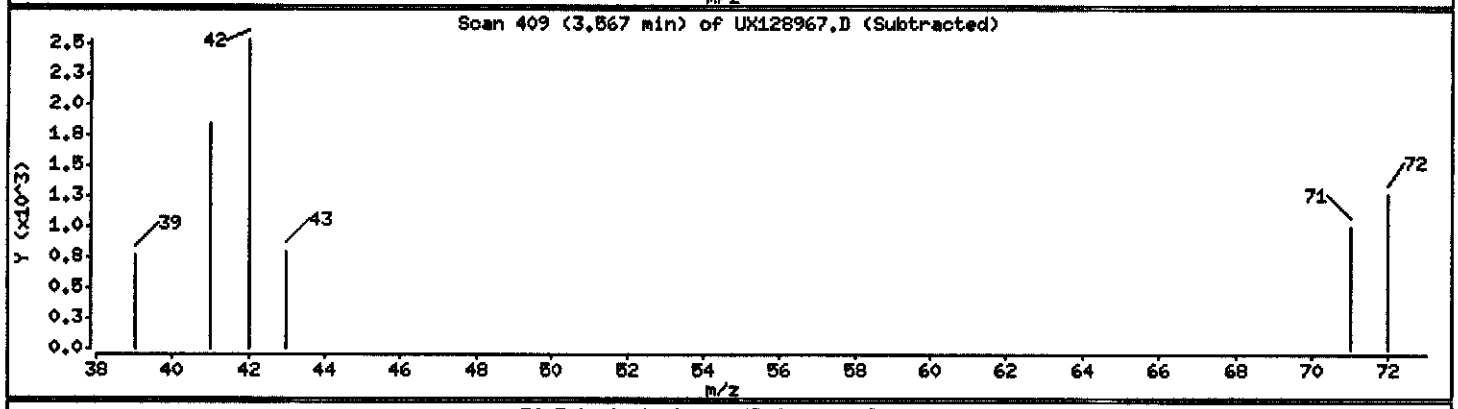
Sample Info: GM9WH1AA,5ML/5ML

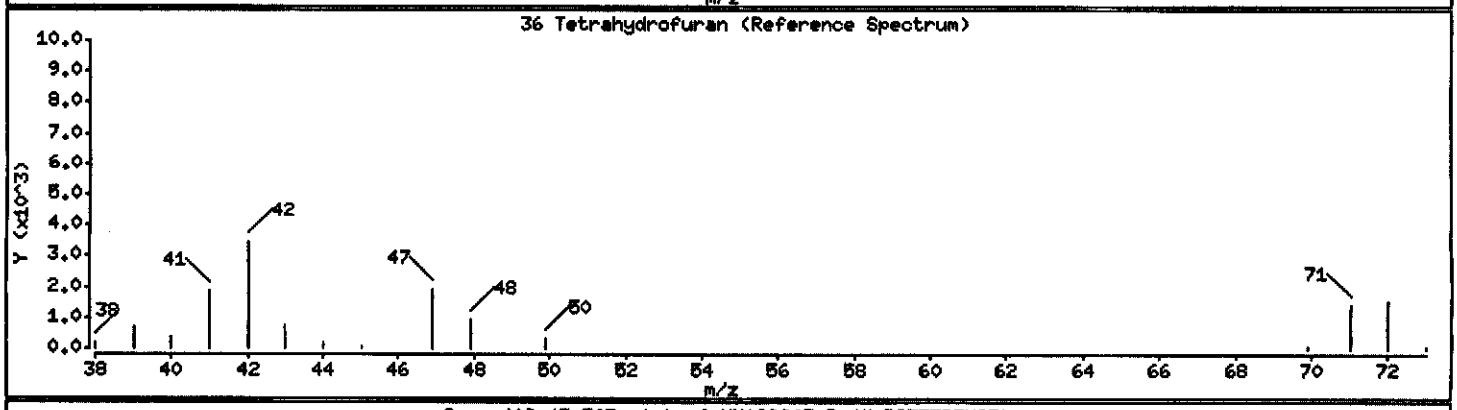
Purge Volume: 5.0 Operator: 1903

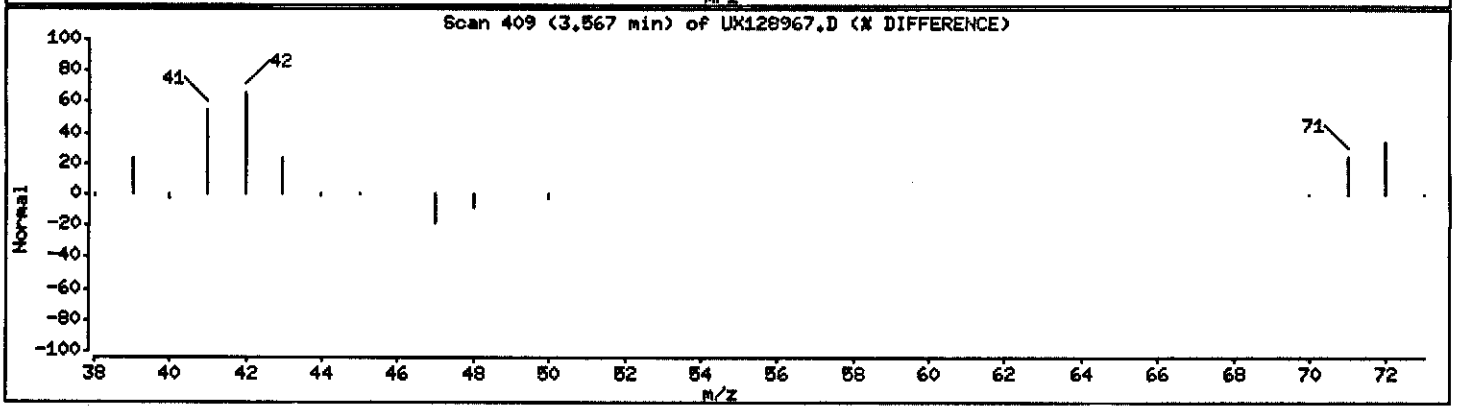
Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 1.320 ug/L









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Date : 25-AUG-2004 02:02

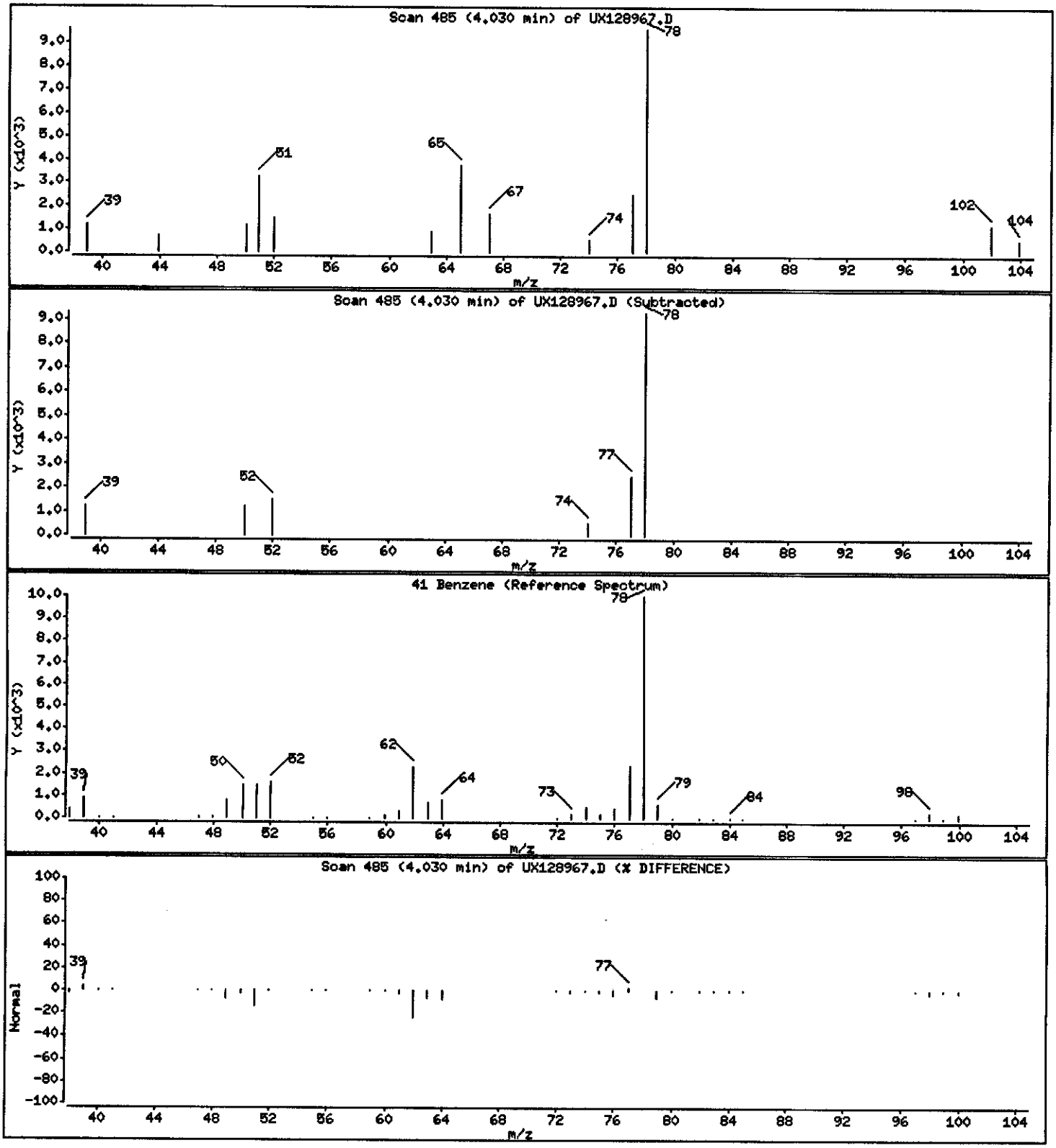
Client ID: MW017/081604 Instrument: a3ux12.i

Sample Info: GM9WH1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.4816 ug/L



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Date : 25-AUG-2004 02:02

Client ID: MW017/081604

Instrument: a3ux12.i

Sample Info: GM9WH1AA,5ML/5ML

Purge Volume: 5.0

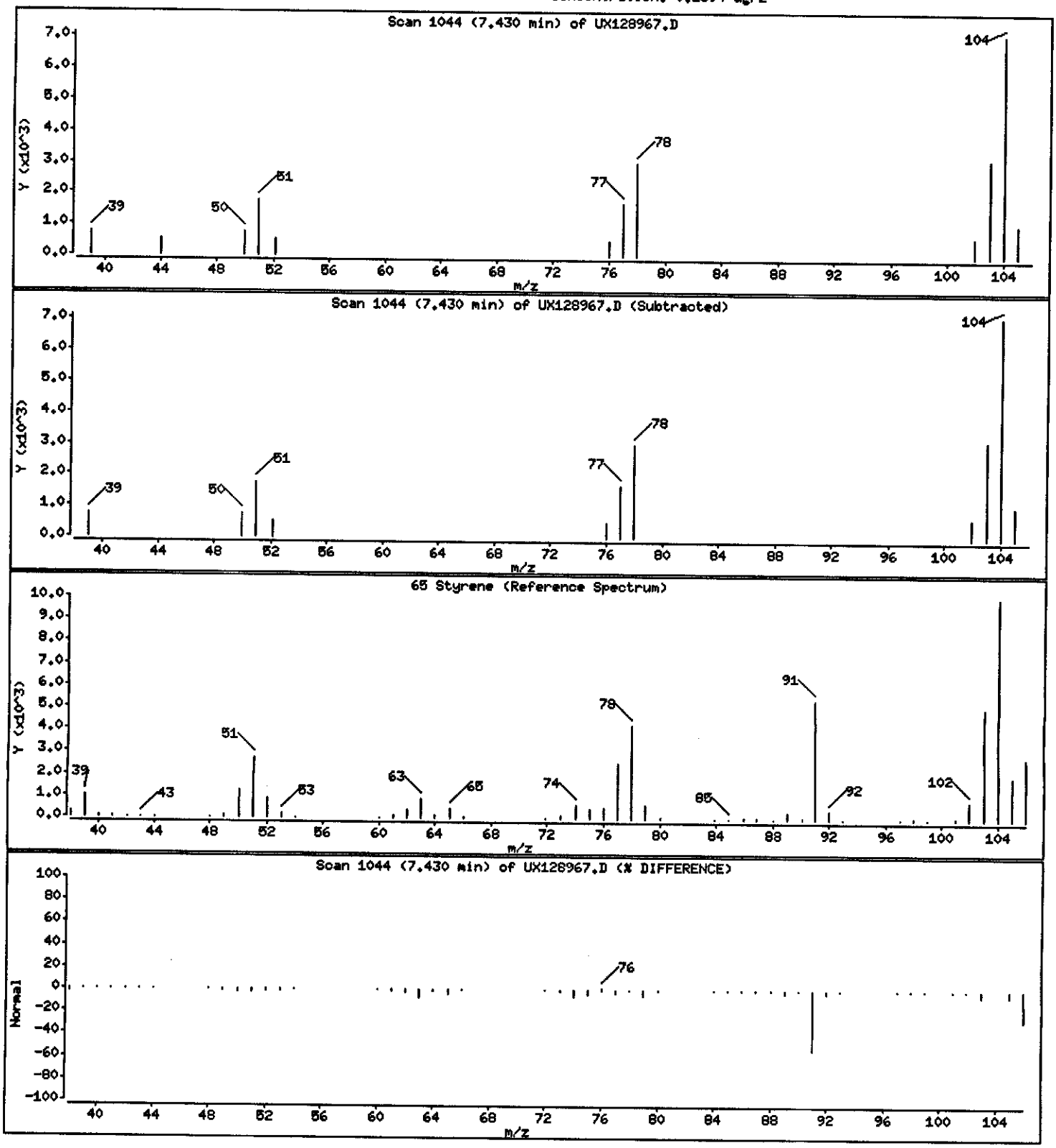
Operator: 1903

Column phase: DB624

Column diameter: 0.18

65 Styrene

Concentration: 0.2694 ug/L



PAYNE FIRM INC.

Client Sample ID: OUTFALL/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-006 **Work Order #...:** GM9WJ1AA **Matrix.....:** WG
Date Sampled...: 08/16/04 10:10 **Date Received..:** 08/17/04
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4238597
Dilution Factor: 25 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**400**	**250**	**ug/L**
Acetonitrile	ND	500	ug/L
Acrolein	ND	500	ug/L
Acrylonitrile	ND	500	ug/L
Benzene	**170 B**	**25**	**ug/L**
Bromodichloromethane	ND	25	ug/L
Bromoform	ND	25	ug/L
Bromomethane	ND	25	ug/L
2-Butanone	ND	250	ug/L
Carbon disulfide	ND	25	ug/L
Carbon tetrachloride	ND	25	ug/L
Chlorobenzene	**37**	**25**	**ug/L**
Chloroprene	ND	50	ug/L
Dibromochloromethane	ND	25	ug/L
Chloroethane	ND	25	ug/L
Chloroform	**22 J**	**25**	**ug/L**
Chloromethane	ND	25	ug/L
3-Chloropropene	ND	50	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	ug/L
1,2-Dibromoethane	ND	25	ug/L
Dibromomethane	ND	25	ug/L
trans-1,4-Dichloro-2-butene	ND	25	ug/L
1,1-Dichloroethane	ND	25	ug/L
1,2-Dichloroethane	ND	25	ug/L
cis-1,2-Dichloroethene	**670**	**25**	**ug/L**
trans-1,2-Dichloroethene	ND	25	ug/L
1,1-Dichloroethene	ND	25	ug/L
1,2-Dichloroethene (total)	**670**	**50**	**ug/L**
Dichlorofluoromethane	ND	50	ug/L
1,2-Dichloropropane	ND	25	ug/L
cis-1,3-Dichloropropene	ND	25	ug/L
trans-1,3-Dichloropropene	ND	25	ug/L
1,4-Dioxane	**2000**	**1200**	**ug/L**
Ethylbenzene	**140**	**25**	**ug/L**
Ethyl methacrylate	ND	25	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: OUTFALL/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-006 **Work Order #...:** GM9WJ1AA **Matrix.....:** WG

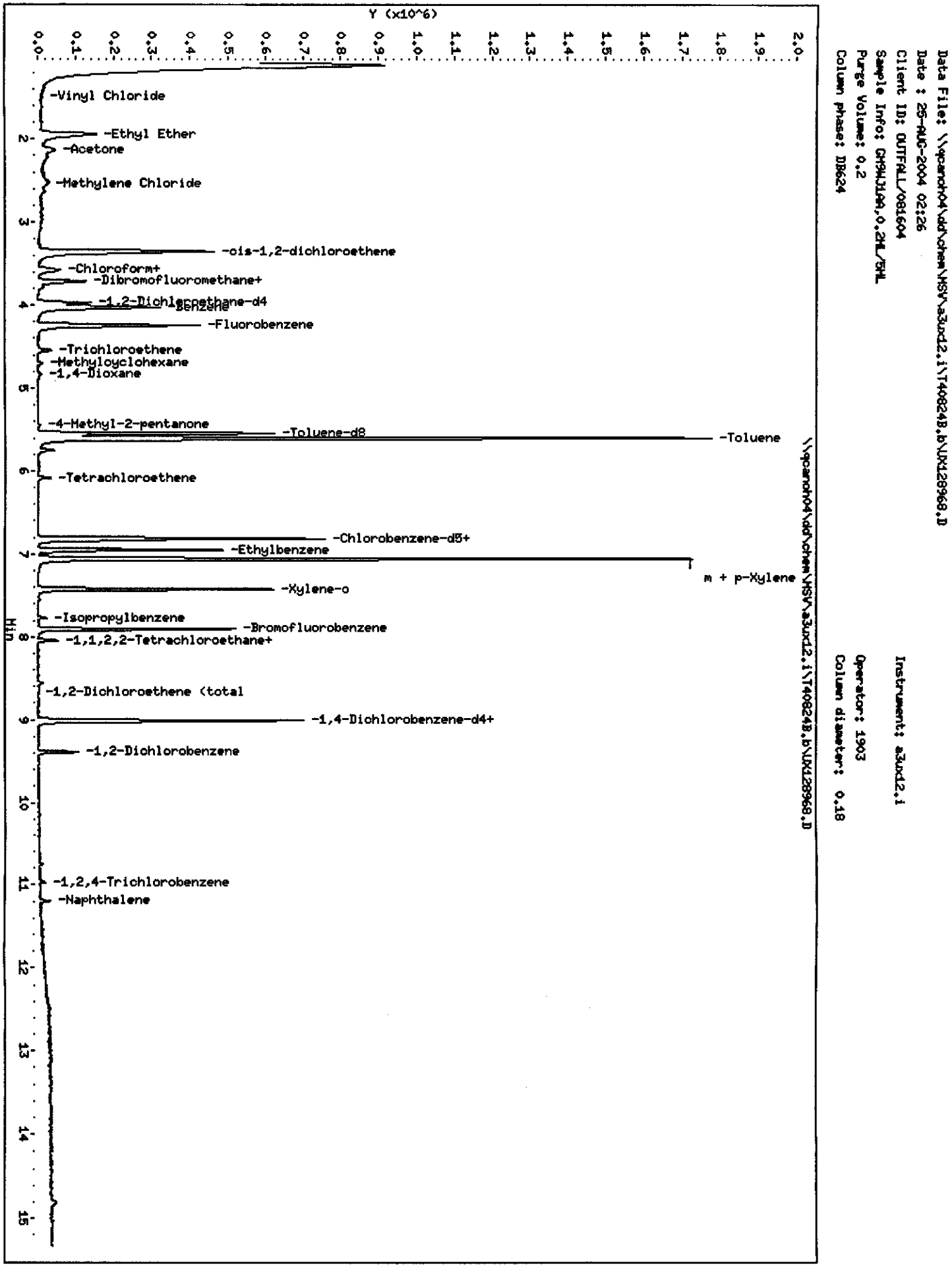
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	250	ug/L
Iodomethane	ND	25	ug/L
Isobutanol	ND	1200	ug/L
Methacrylonitrile	ND	50	ug/L
Methylene chloride	**69 B**	**25**	**ug/L**
Methyl methacrylate	ND	50	ug/L
4-Methyl-2-pentanone	ND	250	ug/L
Propionitrile	ND	100	ug/L
Styrene	ND	25	ug/L
1,1,1,2-Tetrachloroethane	ND	25	ug/L
1,1,2,2-Tetrachloroethane	**19 J**	**25**	**ug/L**
Tetrachloroethene	**19 J**	**25**	**ug/L**
Toluene	**580**	**25**	**ug/L**
1,1,1-Trichloroethane	ND	25	ug/L
1,1,2-Trichloroethane	ND	25	ug/L
Trichloroethene	**30**	**25**	**ug/L**
Trichlorofluoromethane	ND	25	ug/L
1,2,3-Trichloropropane	ND	25	ug/L
Vinyl acetate	ND	50	ug/L
Vinyl chloride	**18 J**	**25**	**ug/L**
Xylenes (total)	**680**	**50**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	92	(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\a3ux12.i\T40824B.b\UX128968.D
Date : 25-AUG-2004 02:26
Client ID: OUTFALL/081604
Sample Info: GM9WJ1AA,0.2ML/5ML
Purge Volume: 0.2
Column phase: DB624
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
Y (x10^6)
Min
\\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128968.D
-Vinyl Chloride
-Ethyl Ether
-Acetone
-Methylene Chloride
-cis-1,2-dichloroethene
-Chloroform+
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
-Benzene
-Fluorobenzene
-Trichloroethene
-Methylcyclohexane
-1,4-Dioxane
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-Tetrachloroethene
-Chlorobenzene-d5+
-Ethylbenzene
m + p-Xylene
-Xylene-o
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-1,2-Dichloroethene (total
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2,4-Trichlorobenzene
-Naphthalene

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128968.D
Report Date: 25-Aug-2004 18:29

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128968.D
Lab Smp Id: GM9WJ1AA Client Smp ID: OUTFALL/081604
Inj Date : 25-AUG-2004 02:26
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GM9WJ1AA,0.2ML/5ML
Misc Info : T40824B,8260LLUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 25-Aug-2004 18:24 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.200	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.242	4.242	(1.000)	455343	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	434590	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.011	9.011	(1.000)	193540	50.0000	
$ 4 Dibromofluoromethane	113	3.719	3.713	(0.877)	98745	51.5522	257.76
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	121348	50.3142	251.57
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	432637	48.3139	241.57
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	173228	46.1806	230.90
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.401	1.395	(0.330)	11331	3.52763	17.638
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	2.125	2.119	(0.501)	102813	79.3999	397.00
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128968.D
Report Date: 25-Aug-2004 18:29

	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	2.538	2.526	(0.598)	35754	13.7672	68.836
	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	57	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				325903	134.301	671.51
	32 cis-1,2-dichloroethene	96	3.354	3.354	(0.791)	325903	134.301	671.51
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	3.591	3.591	(0.847)	16722	4.42453	22.123
	36 Tetrahydrofuran	42	3.573	3.567	(0.842)	47980	60.8070	304.04
	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	4.029	4.023	(0.950)	344565	34.0964	170.48
	42 Trichloroethene	130	4.540	4.540	(1.070)	15934	6.08581	30.429
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	4.826	4.826	(1.138)	11455	399.995	2000.0(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	5.440	5.440	(1.283)	3464	1.26445	6.322
	50 Toluene	91	5.605	5.605	(0.822)	1363960	115.774	578.87
	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	6.085	6.079	(0.893)	8639	3.84029	19.201
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	6.840	6.840	(1.004)	59843	7.34830	36.741
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	6.949	6.949	(1.020)	116283	28.2413	141.21
	62 m + p-Xylene	106	7.059	7.059	(1.036)	531217	101.827	509.14
M	63 Xylenes (total)	106				709413	136.650	683.25
	64 Xylene-o	106	7.424	7.417	(1.089)	178196	34.8224	174.11
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128968.D
Report Date: 25-Aug-2004 18:29

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	7.770	7.770	(1.140)	18085	1.66278	8.314
68 1,1,2,2-Tetrachloroethane	83	8.050	8.050	(0.893)	10868	3.86942	19.347
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	8.044	8.044	(0.893)	9667	3.05408	15.270
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	9.036	9.030	(1.003)	22980	4.17312	20.866
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	9.389	9.389	(1.042)	48331	9.53423	47.671
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	10.970	10.970	(1.217)	5053	2.43316	12.166
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	11.195	11.195	(1.242)	21616	7.79263	38.963
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	1.942	1.942	(0.458)	171570	90.2912	451.46
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	3.786	3.786	(0.892)	8171	2.66252	13.313
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	4.698	4.698	(1.108)	5923	2.47272	12.364
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\MSV\a3ux12.i\T40824B.b\UX128968.D

Date : 25-AUG-2004 02:26

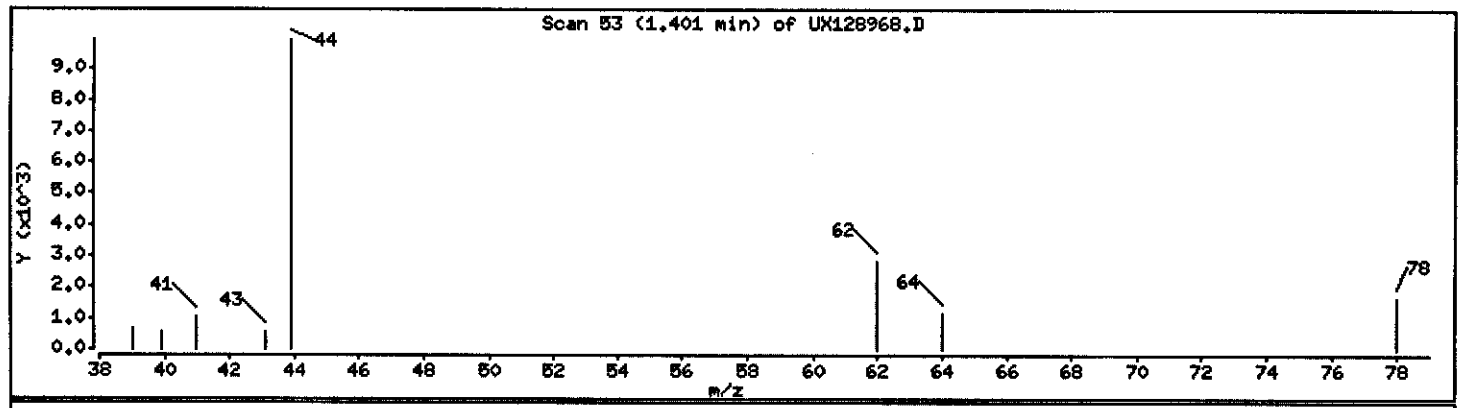
Client ID: OUTFALL/081604 Instrument: a3ux12.i

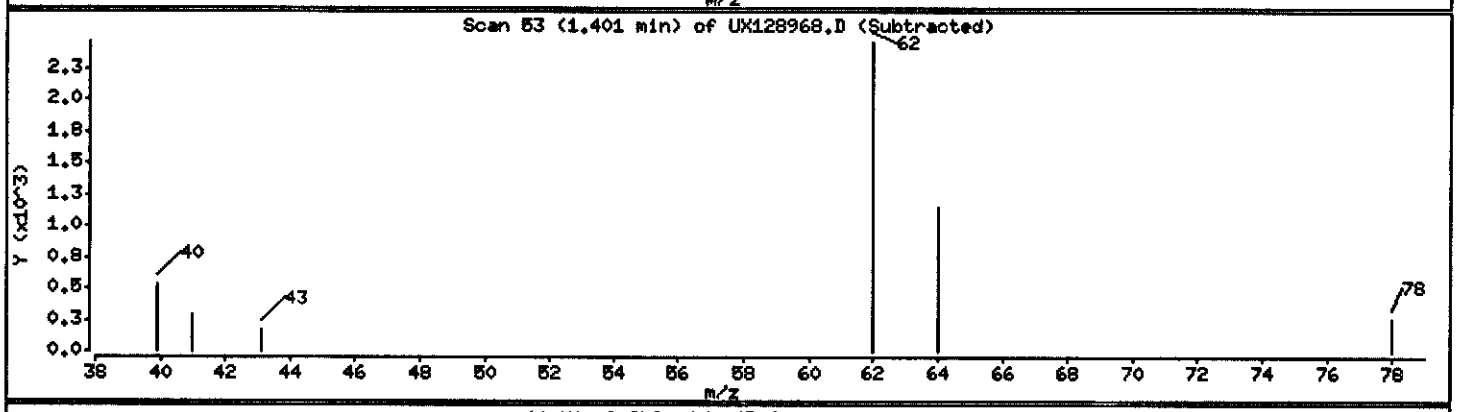
Sample Info: GM9WJ1AA,0.2ML/5ML

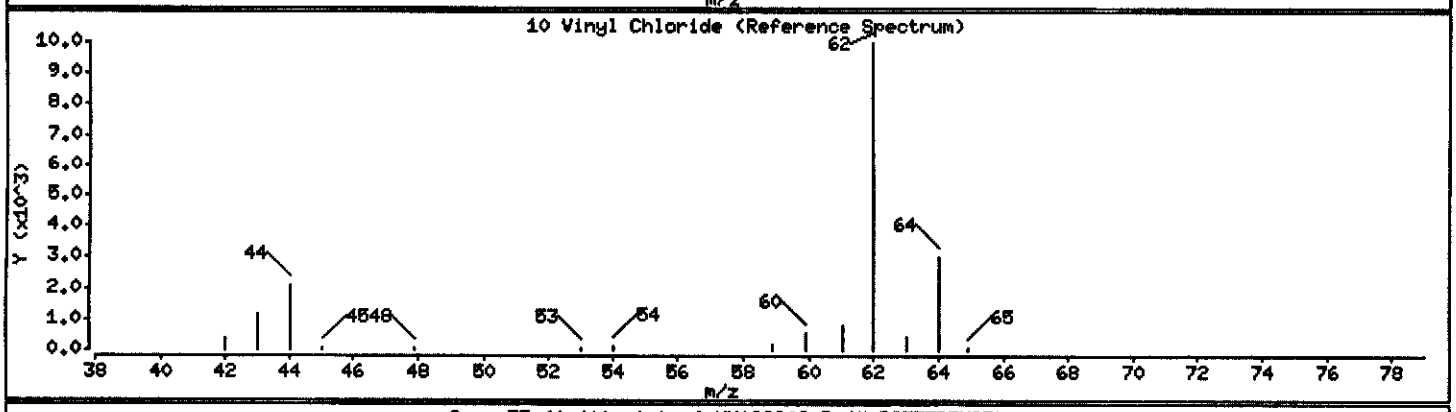
Purge Volume: 0.2 Operator: 1903

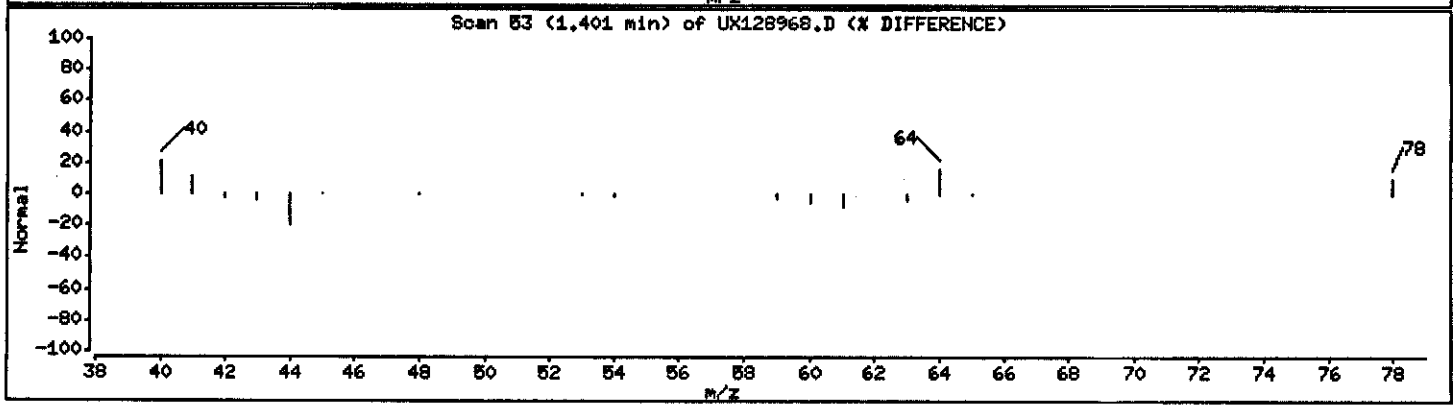
Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 17.638 ug/L









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Date : 25-AUG-2004 02:26

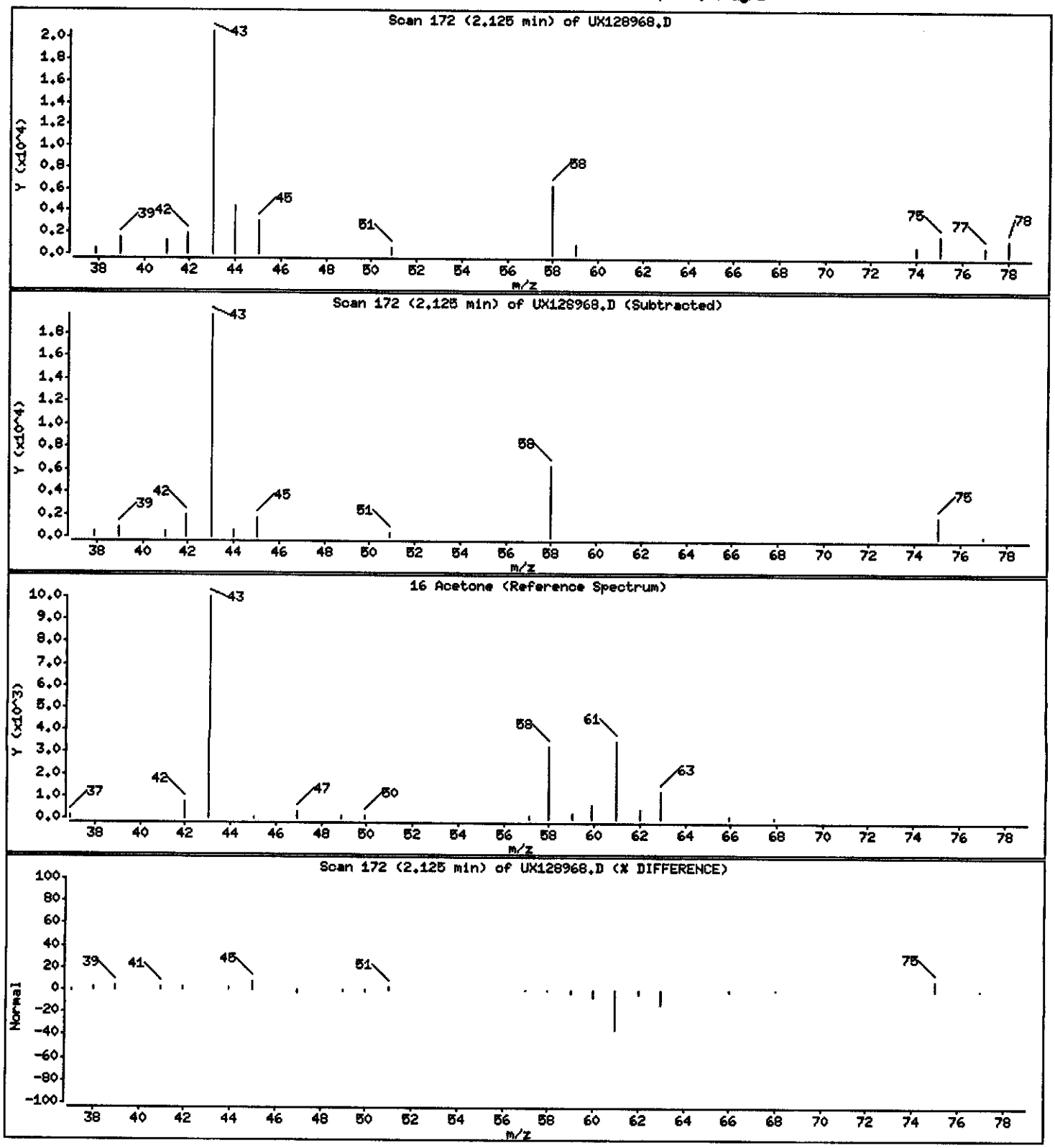
Client ID: OUTFALL/081604 Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1903

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 397.00 ug/L



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Date : 25-AUG-2004 02:26

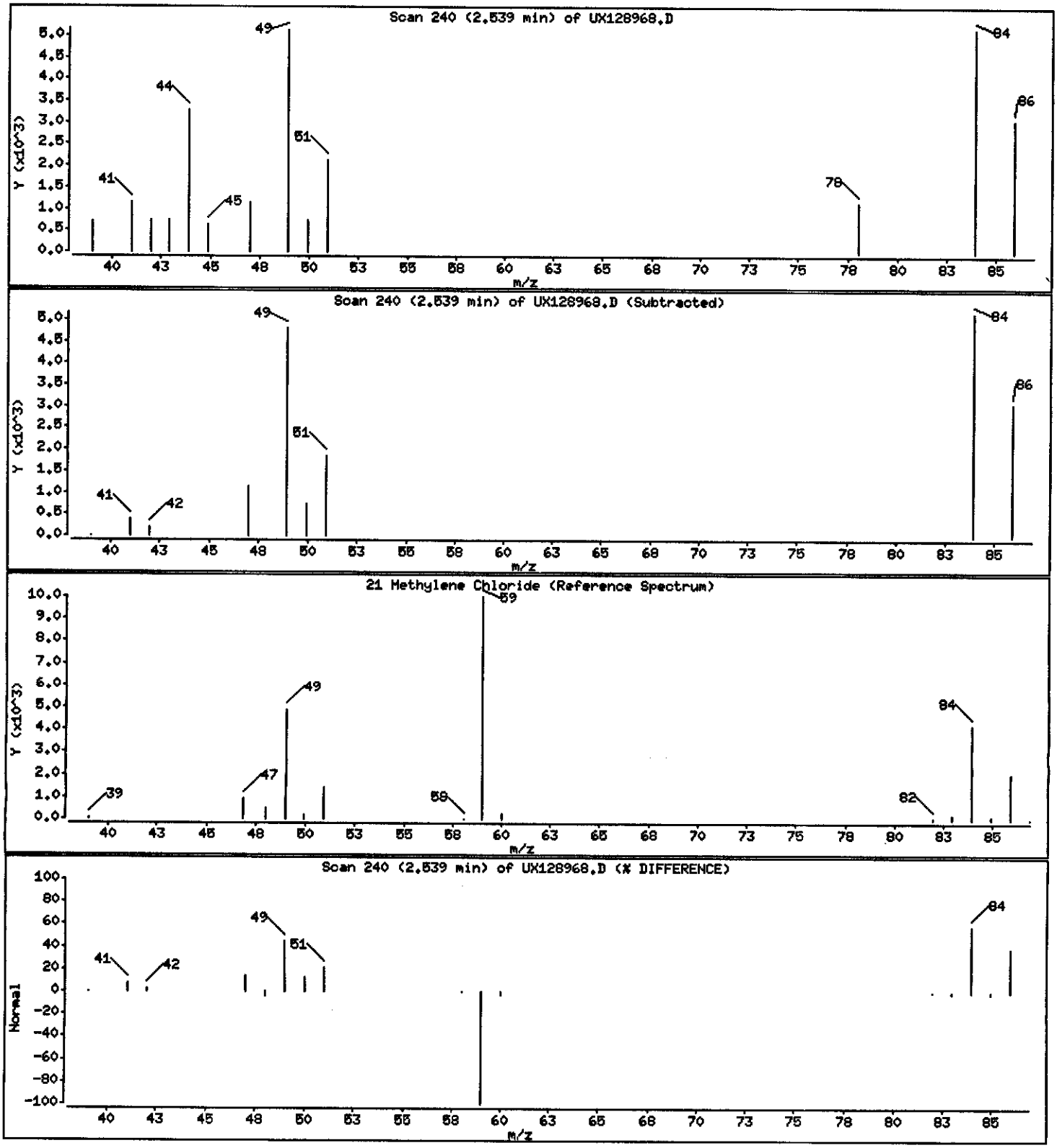
Client ID: OUTFALL/081604 Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1903

Column phase: DB624 Column diameter: 0.18

21 Methylene Chloride Concentration: 68.836 ug/L



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Date : 25-AUG-2004 02:26

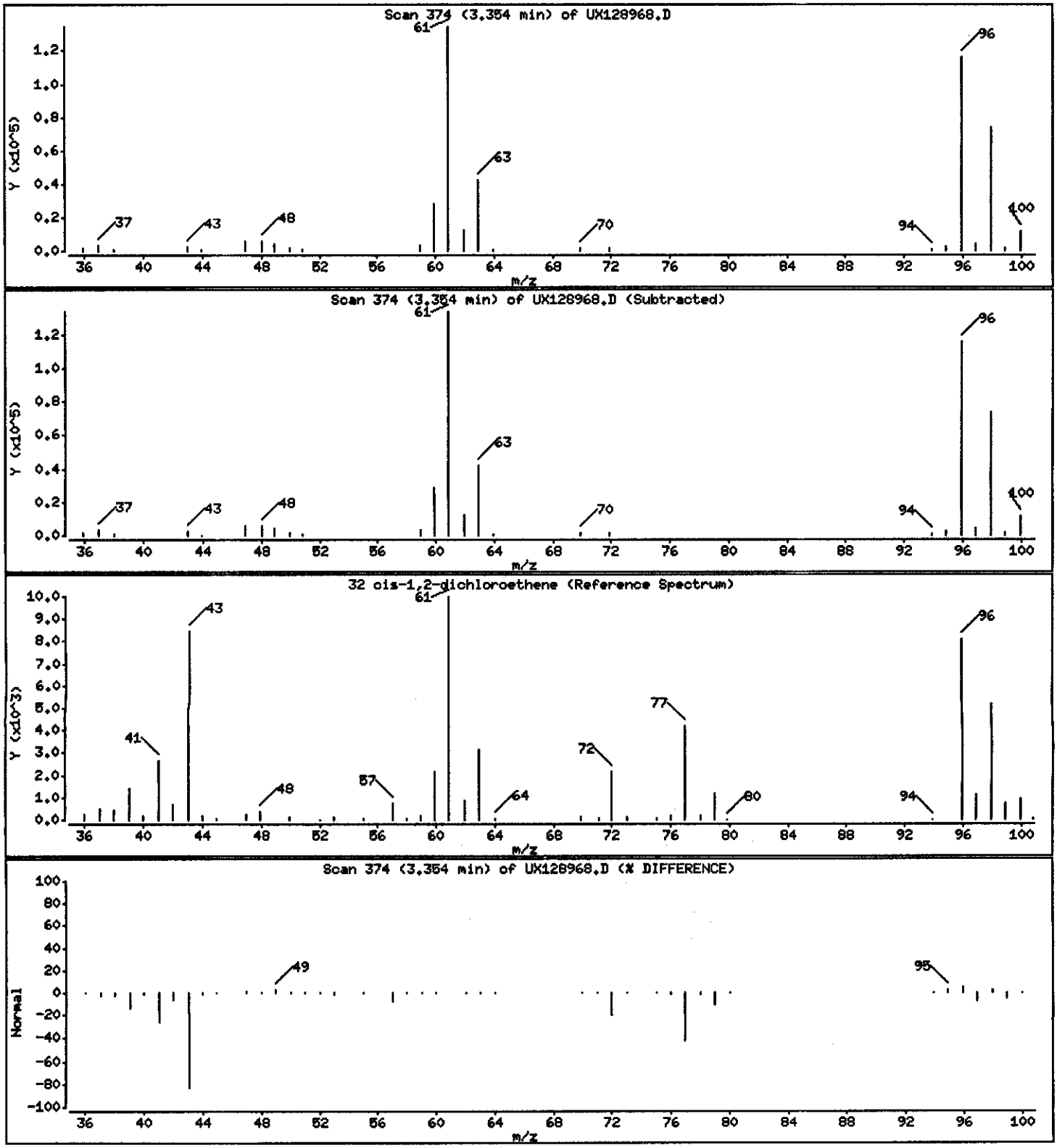
Client ID: OUTFALL/081604 Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1903

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 671.51 ug/L



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Date : 25-AUG-2004 02:26

Client ID: OUTFALL/081604

Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2

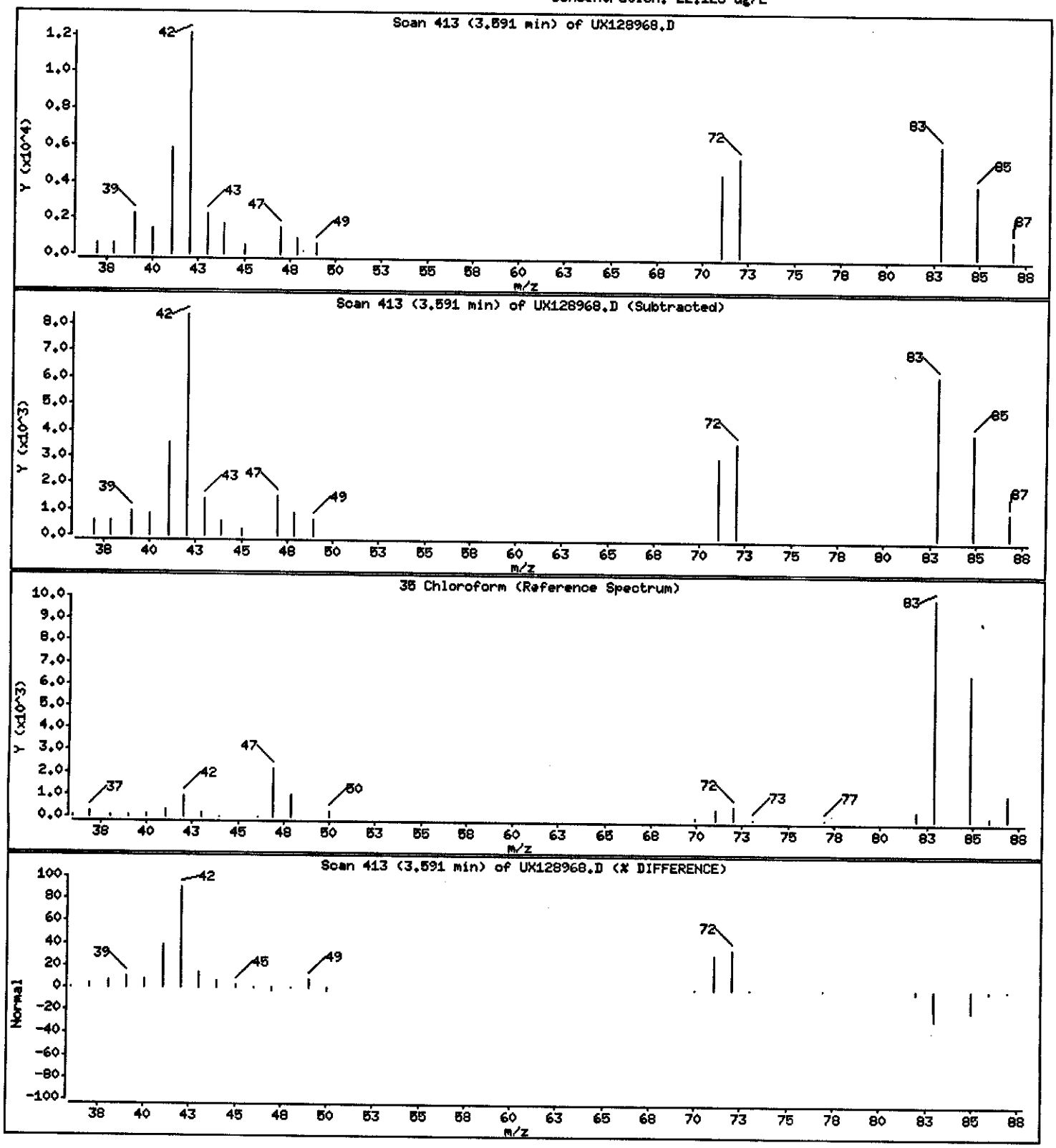
Operator: 1903

Column phase: DB624

Column diameter: 0.18

35 Chloroform

Concentration: 22.123 ug/L



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Date : 25-AUG-2004 02:26

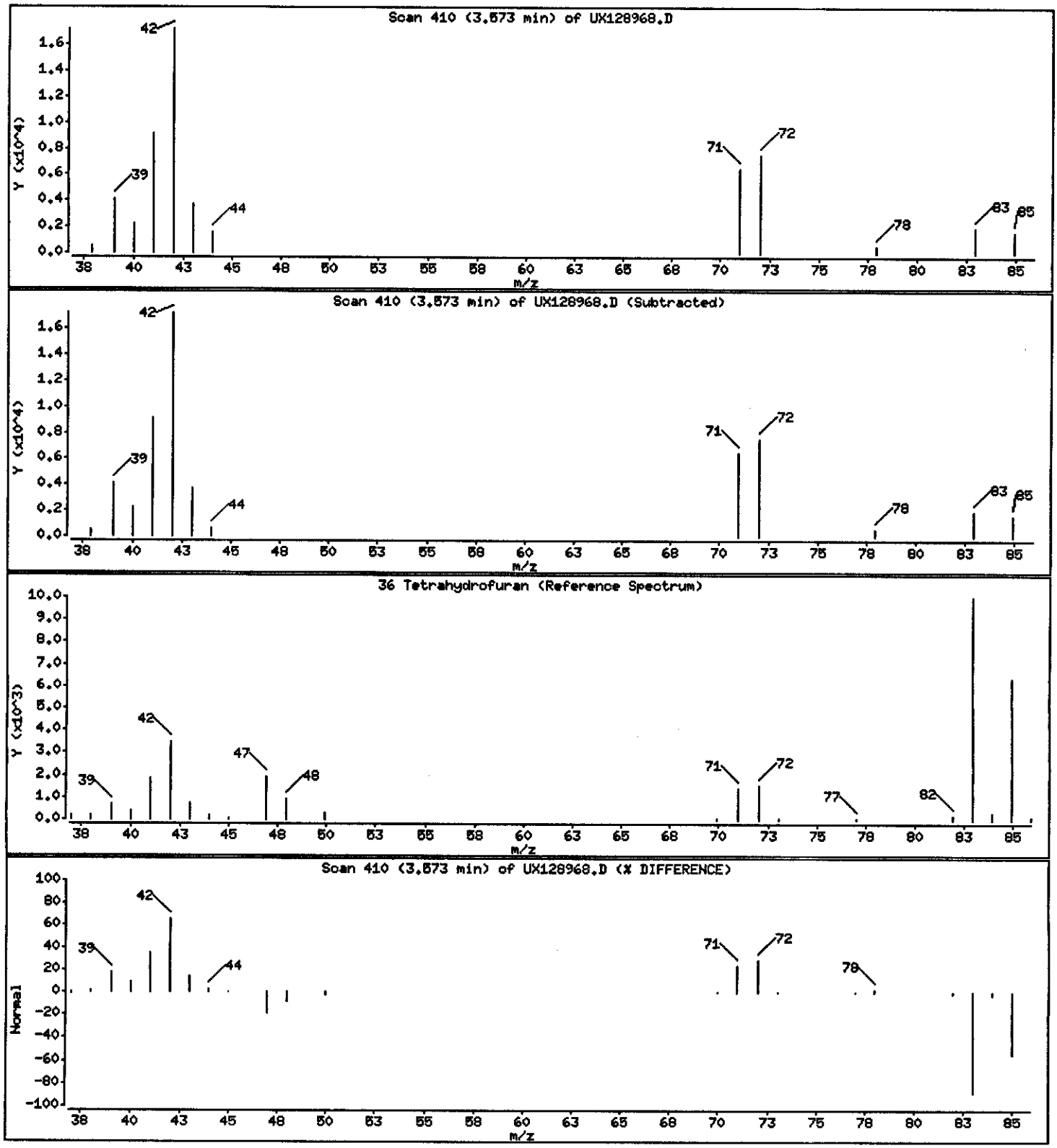
Client ID: OUTFALL/081604 Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1903

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 304.04 ug/L



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Date : 25-AUG-2004 02:26

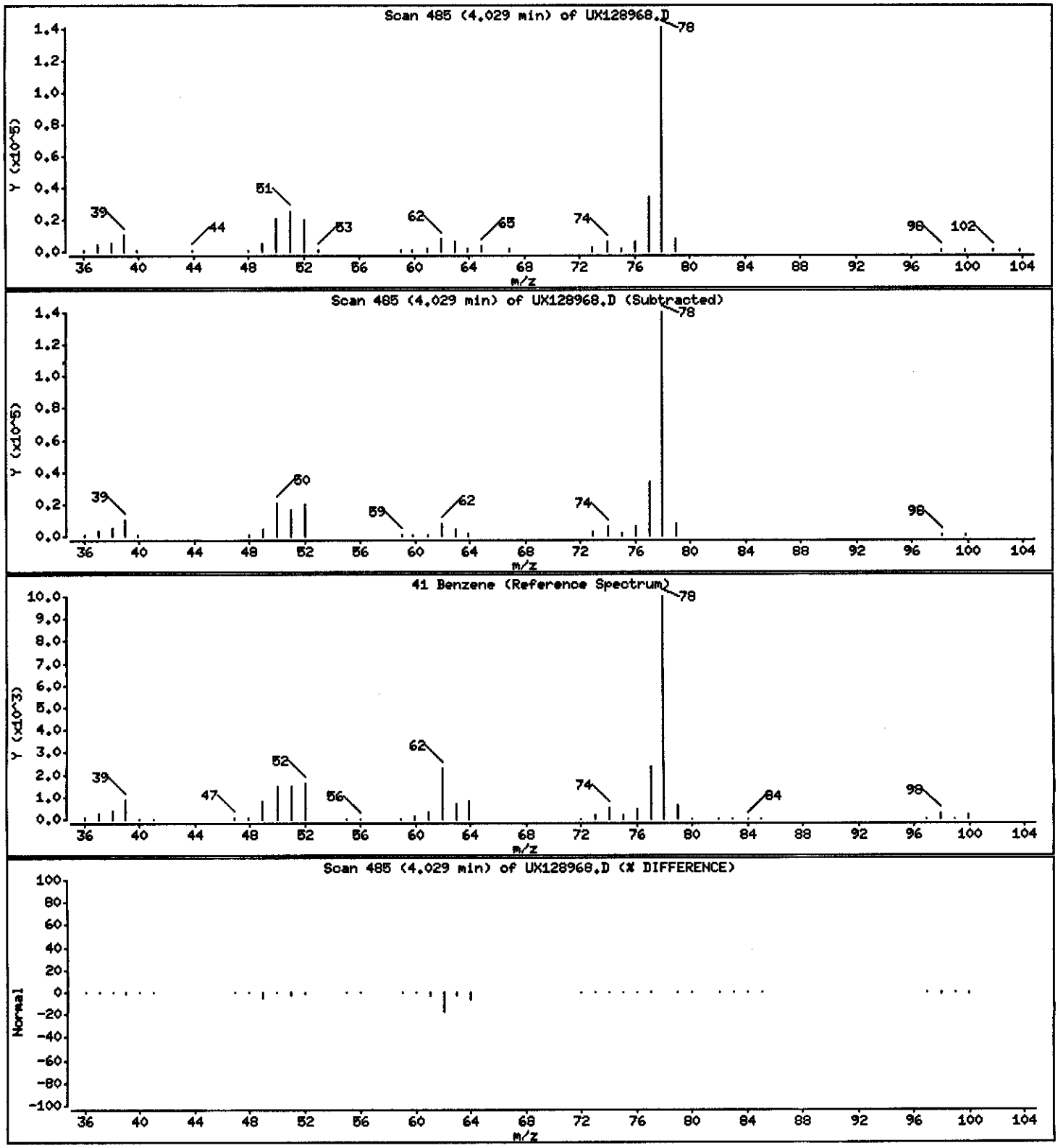
Client ID: OUTFALL/081604 Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1903

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 170.48 ug/L



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Date : 25-AUG-2004 02:26

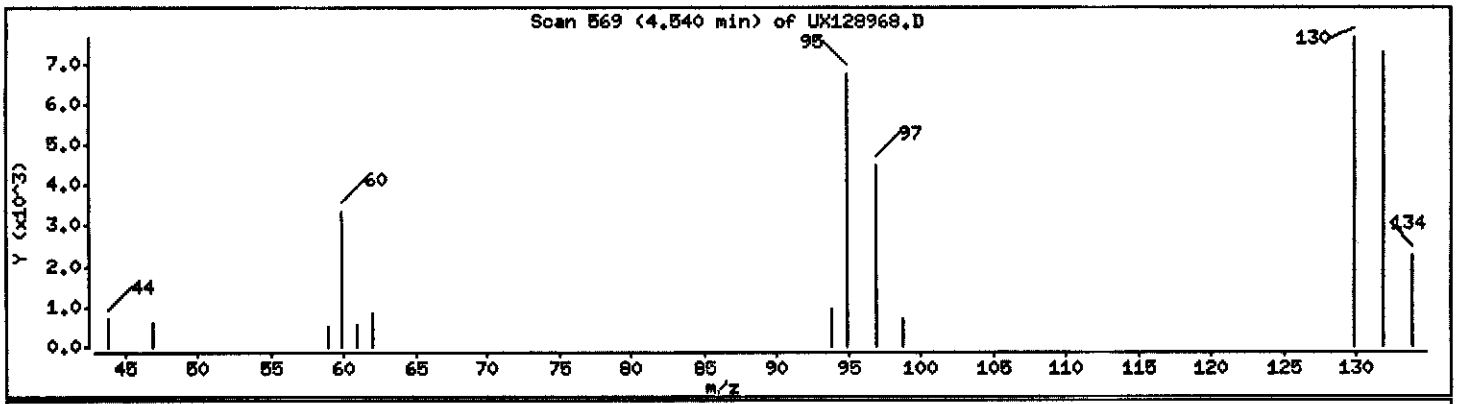
Client ID: OUTFALL/081604 Instrument: a3ux12.i

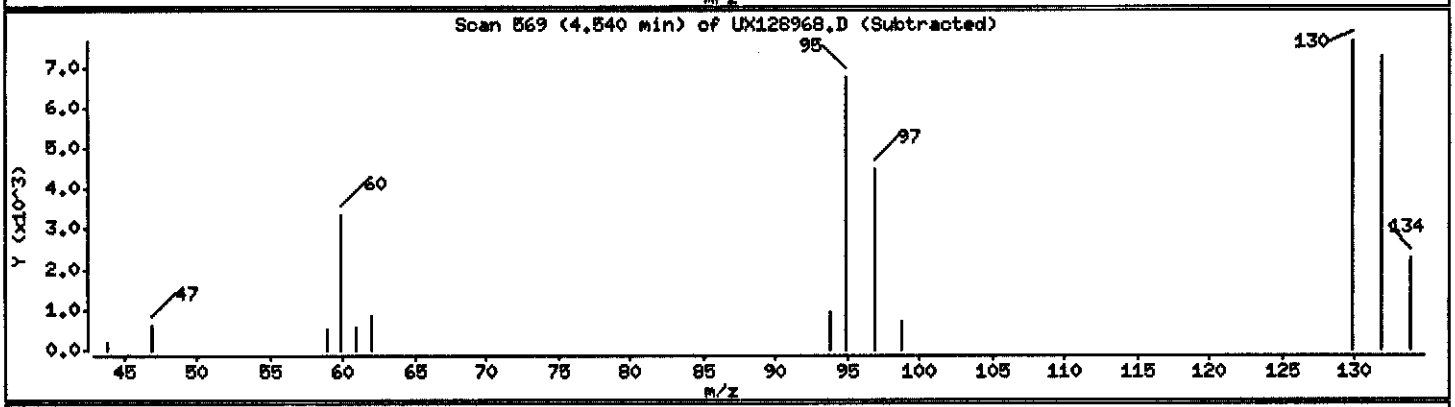
Sample Info: GM9WJ1AA,0.2ML/5ML

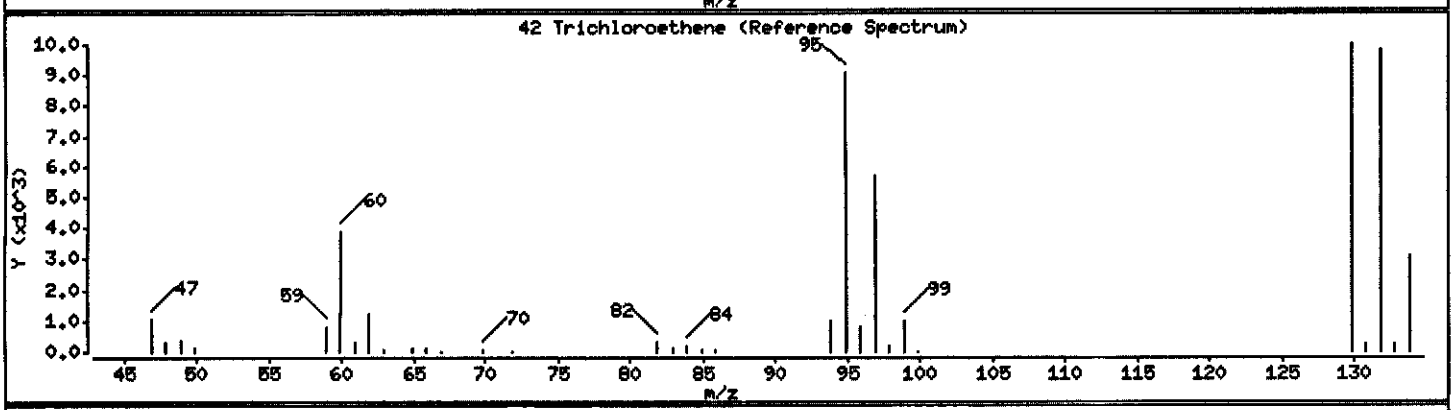
Purge Volume: 0.2 Operator: 1903

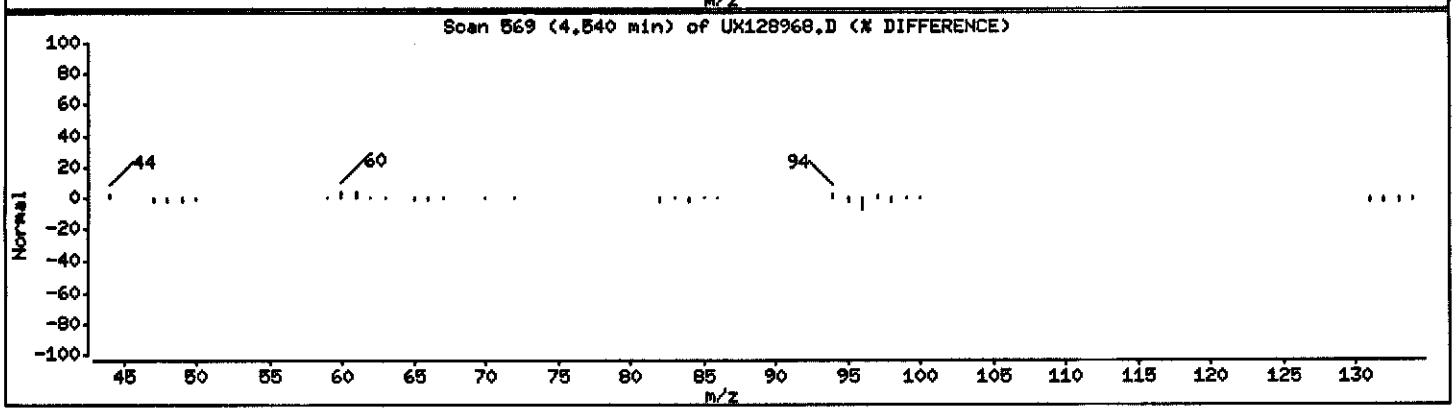
Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 30.429 ug/L









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Date : 25-AUG-2004 02:26

Client ID: OUTFALL/081604

Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2

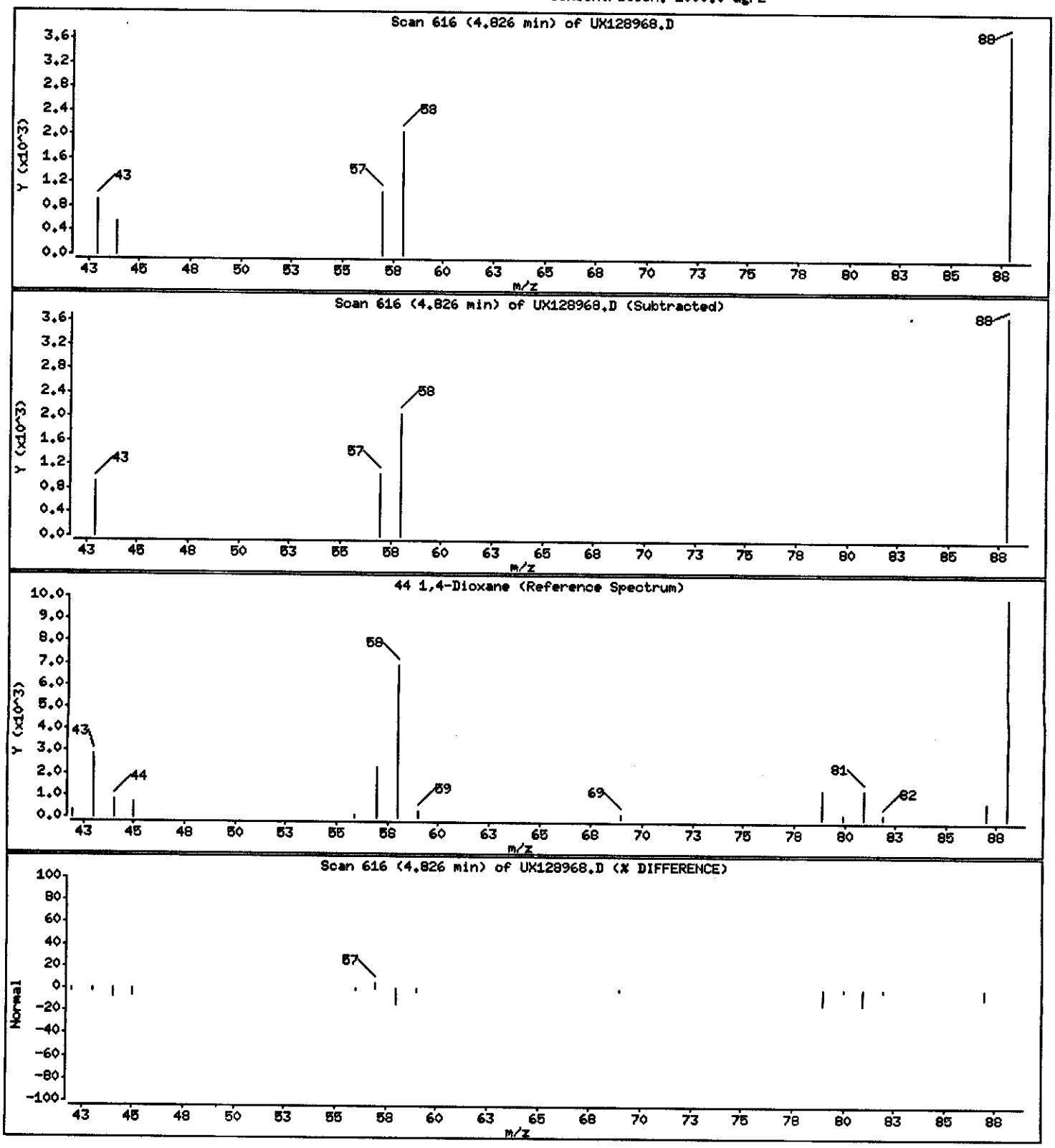
Operator: 1903

Column phase: DB624

Column diameter: 0.18

44 1,4-Dioxane

Concentration: 2000.0 ug/L



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Date : 25-AUG-2004 02:26

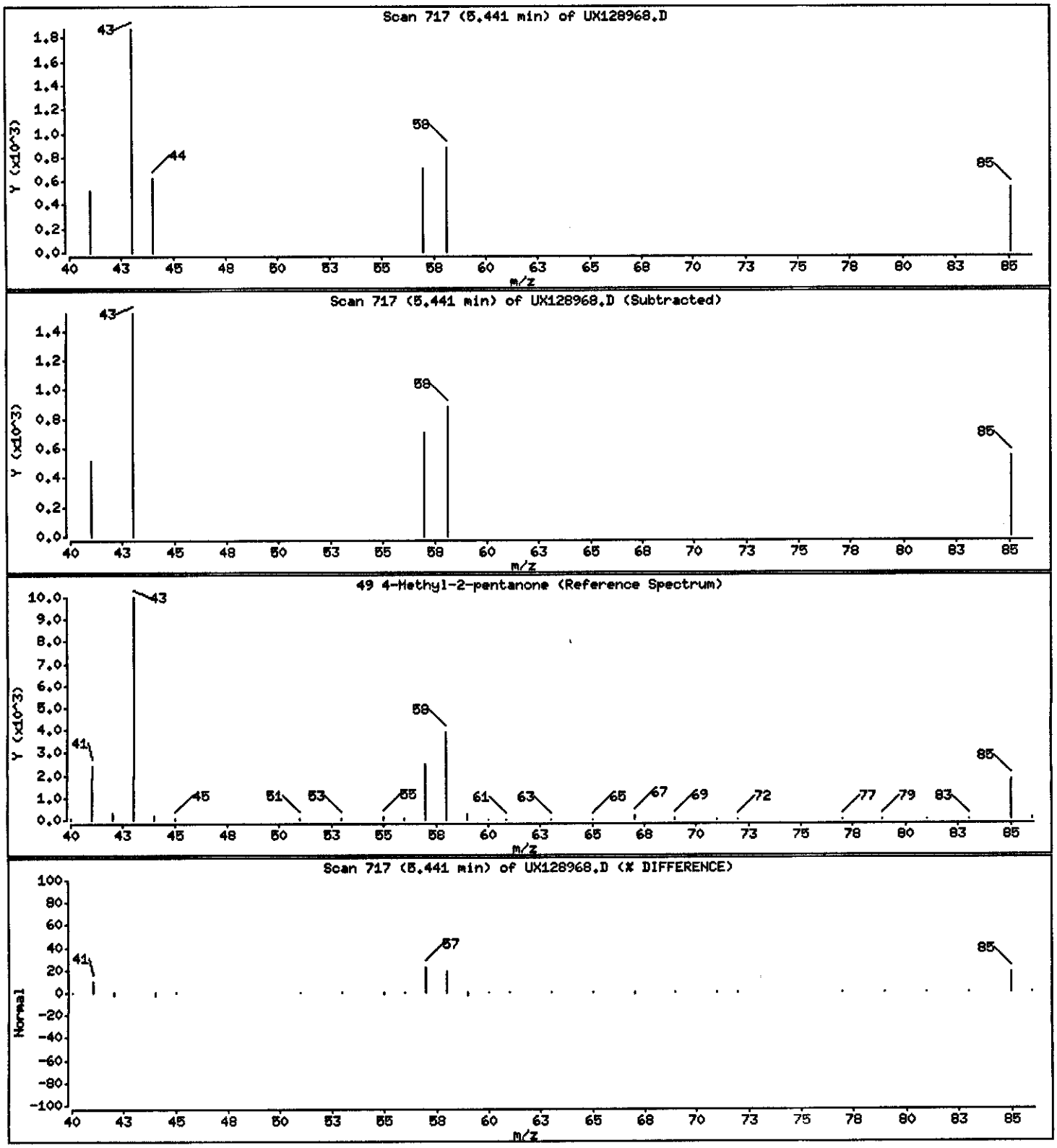
Client ID: OUTFALL/081604 Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1903

Column phase: DB624 Column diameter: 0.18

49 4-Methyl-2-pentanone Concentration: 6.322 ug/L



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Date : 25-AUG-2004 02:26

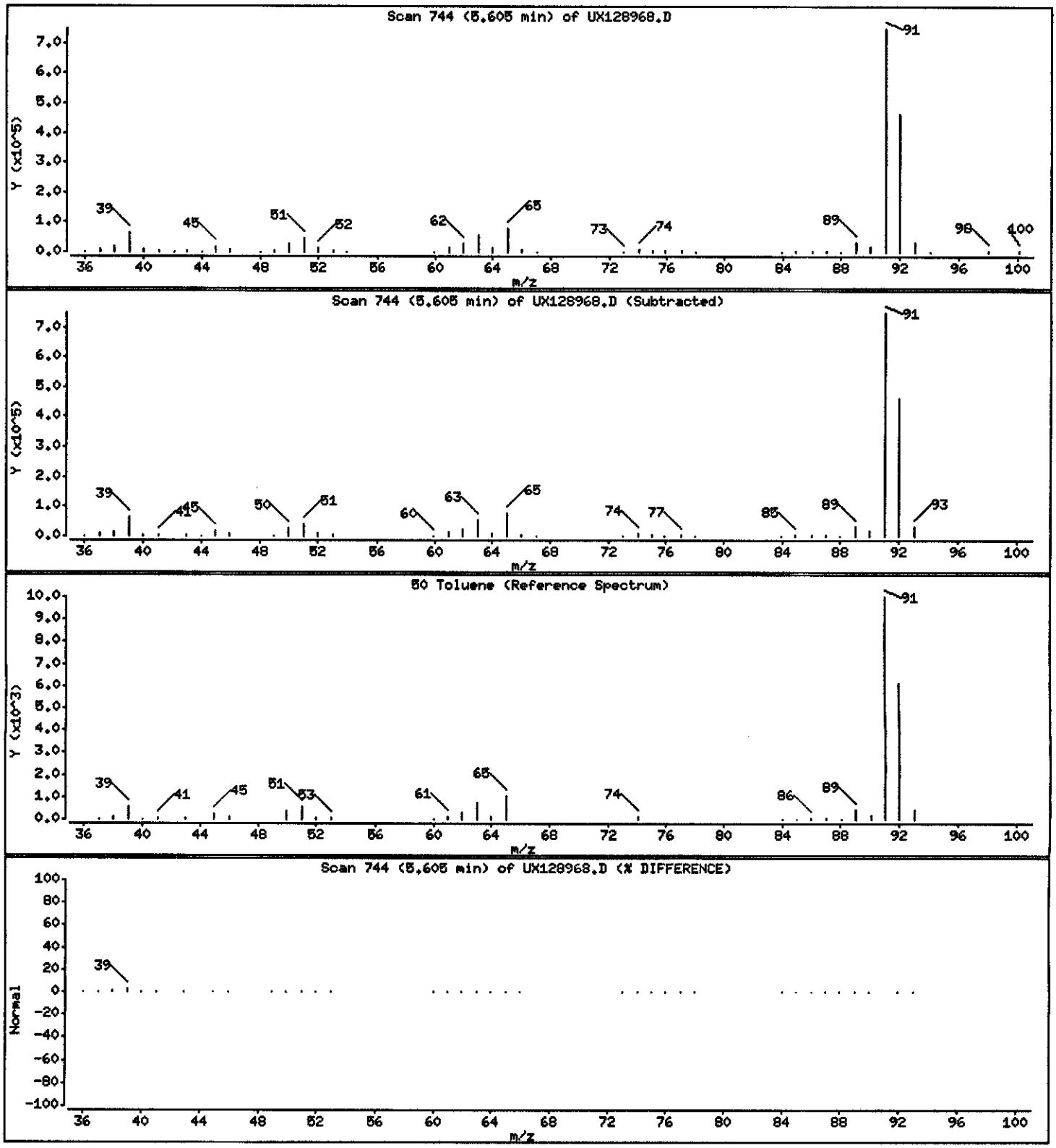
Client ID: OUTFALL/081604 Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1903

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 578.87 ug/L



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Date : 25-AUG-2004 02:26

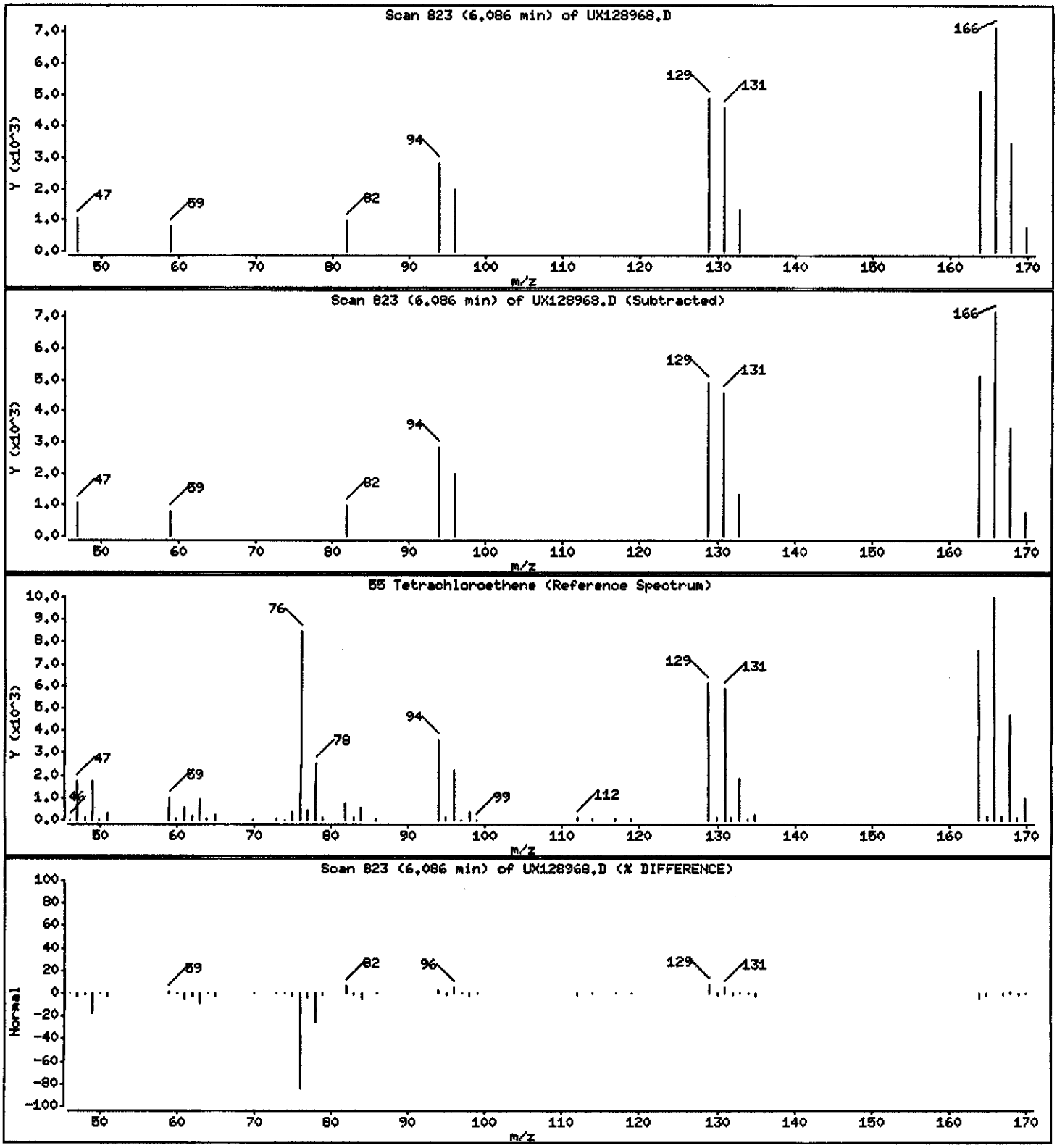
Client ID: OUTFALL/081604 Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1903

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 19.201 ug/L



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Date : 25-AUG-2004 02:26

Client ID: OUTFALL/081604

Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2

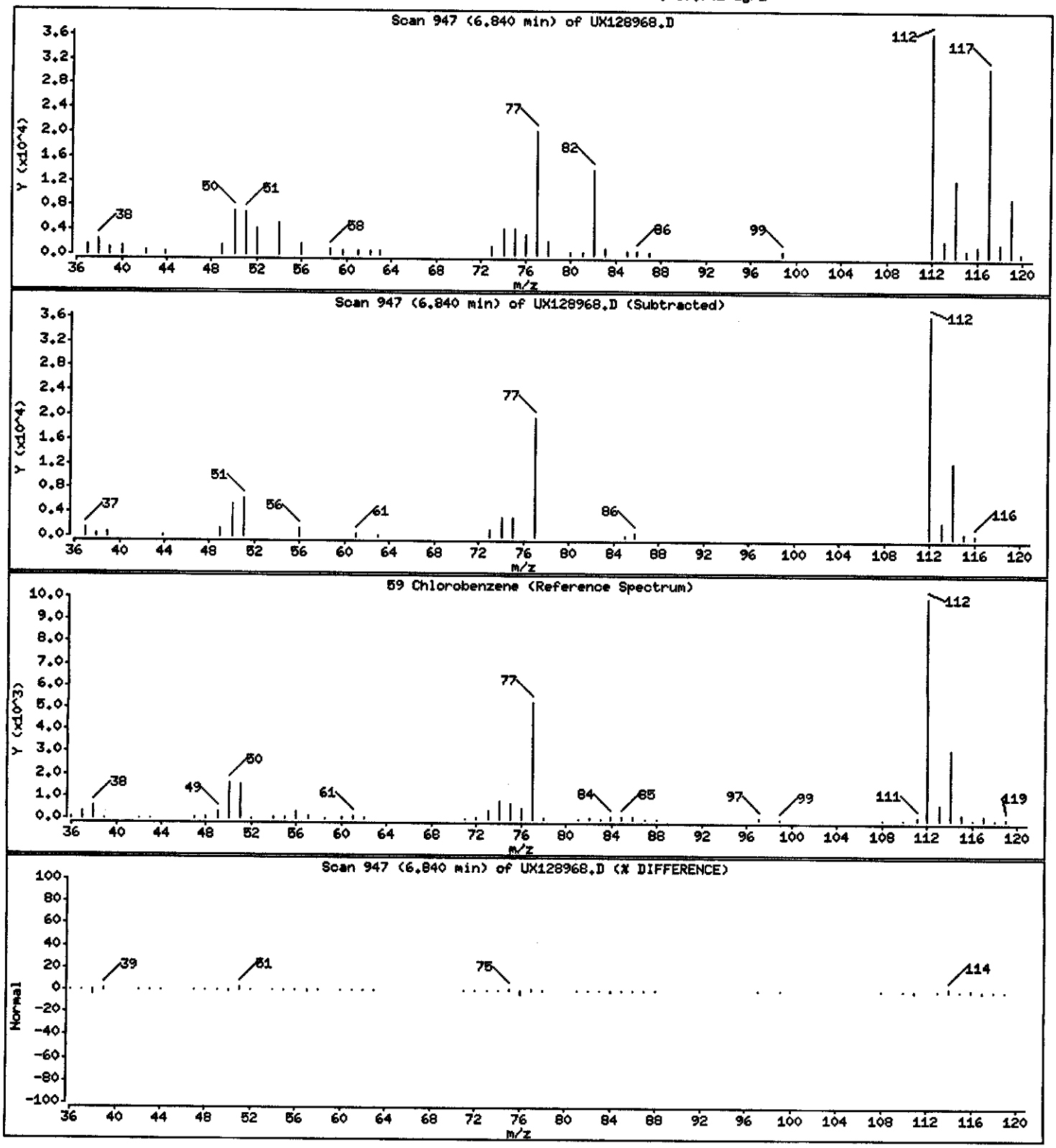
Operator: 1903

Column phase: DB624

Column diameter: 0.18

59 Chlorobenzene

Concentration: 36.741 ug/L



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Date : 25-AUG-2004 02:26

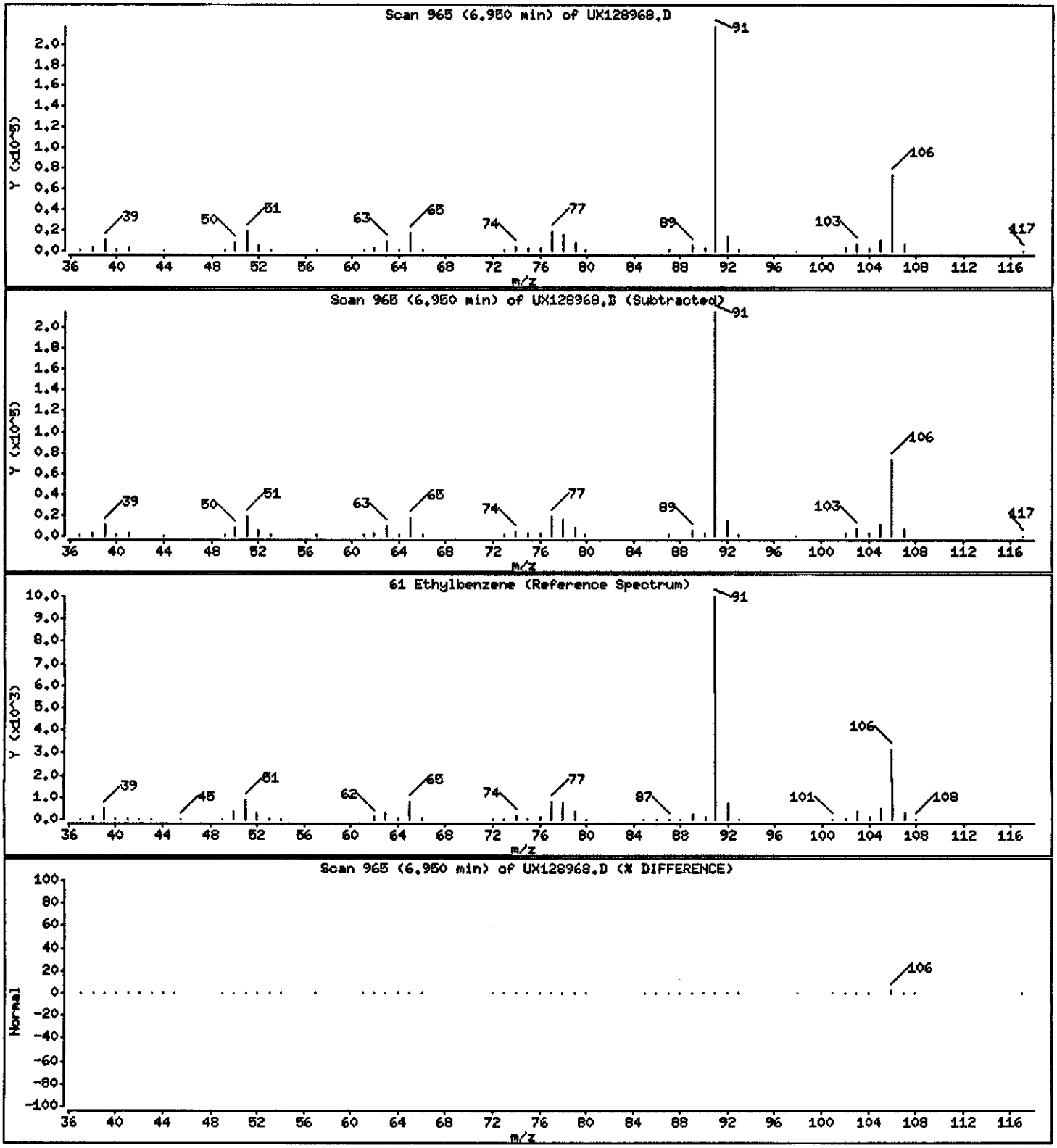
Client ID: OUTFALL/081604 Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1903

Column phase: DB624 Column diameter: 0.18

61 Ethylbenzene Concentration: 141.21 ug/L



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Date : 25-AUG-2004 02:26

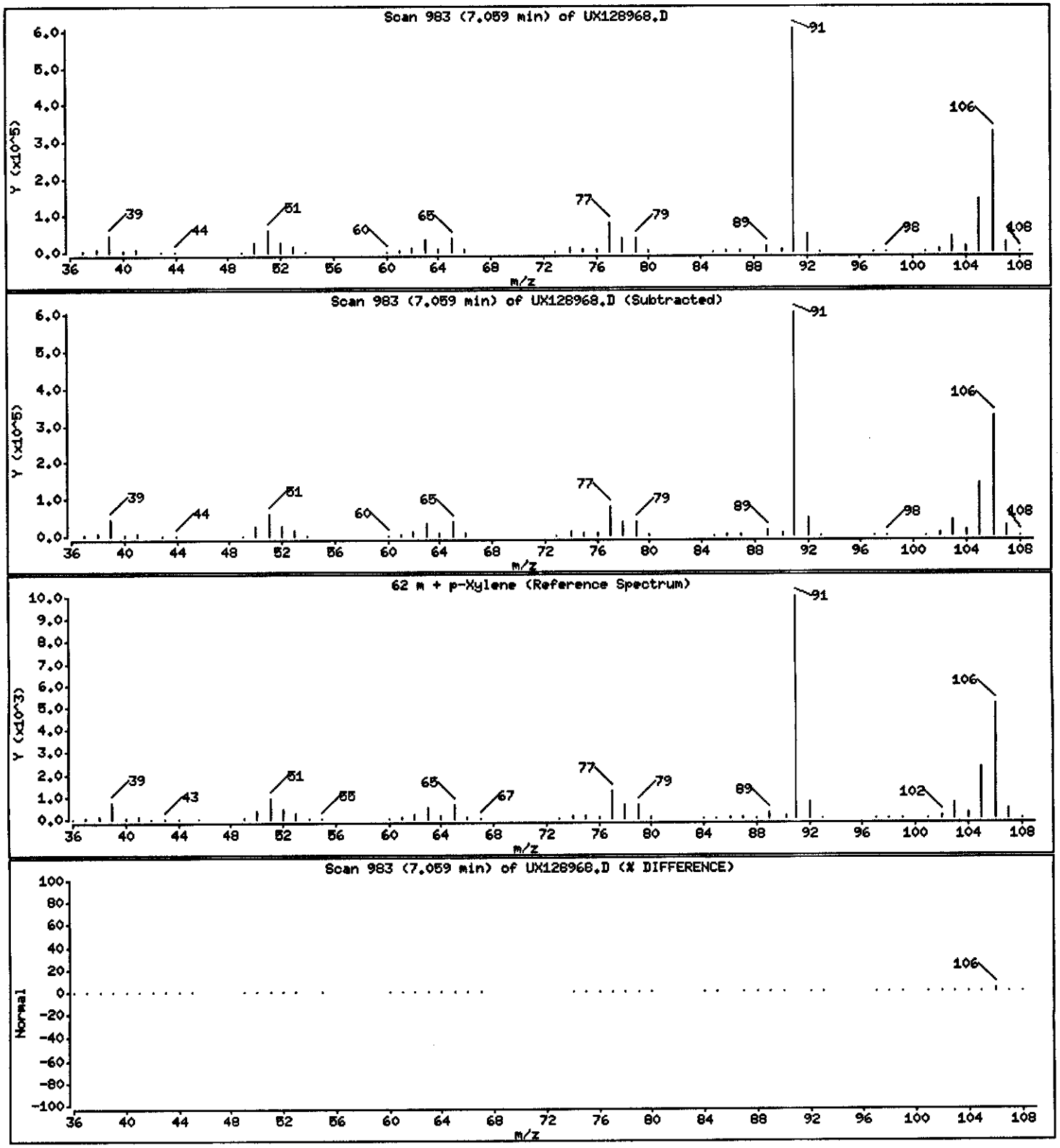
Client ID: OUTFALL/081604 Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1903

Column phase: DB624 Column diameter: 0.18

62 m + p-Xylene Concentration: 509.14 ug/L



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Date : 25-AUG-2004 02:26

Client ID: OUTFALL/081604

Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2

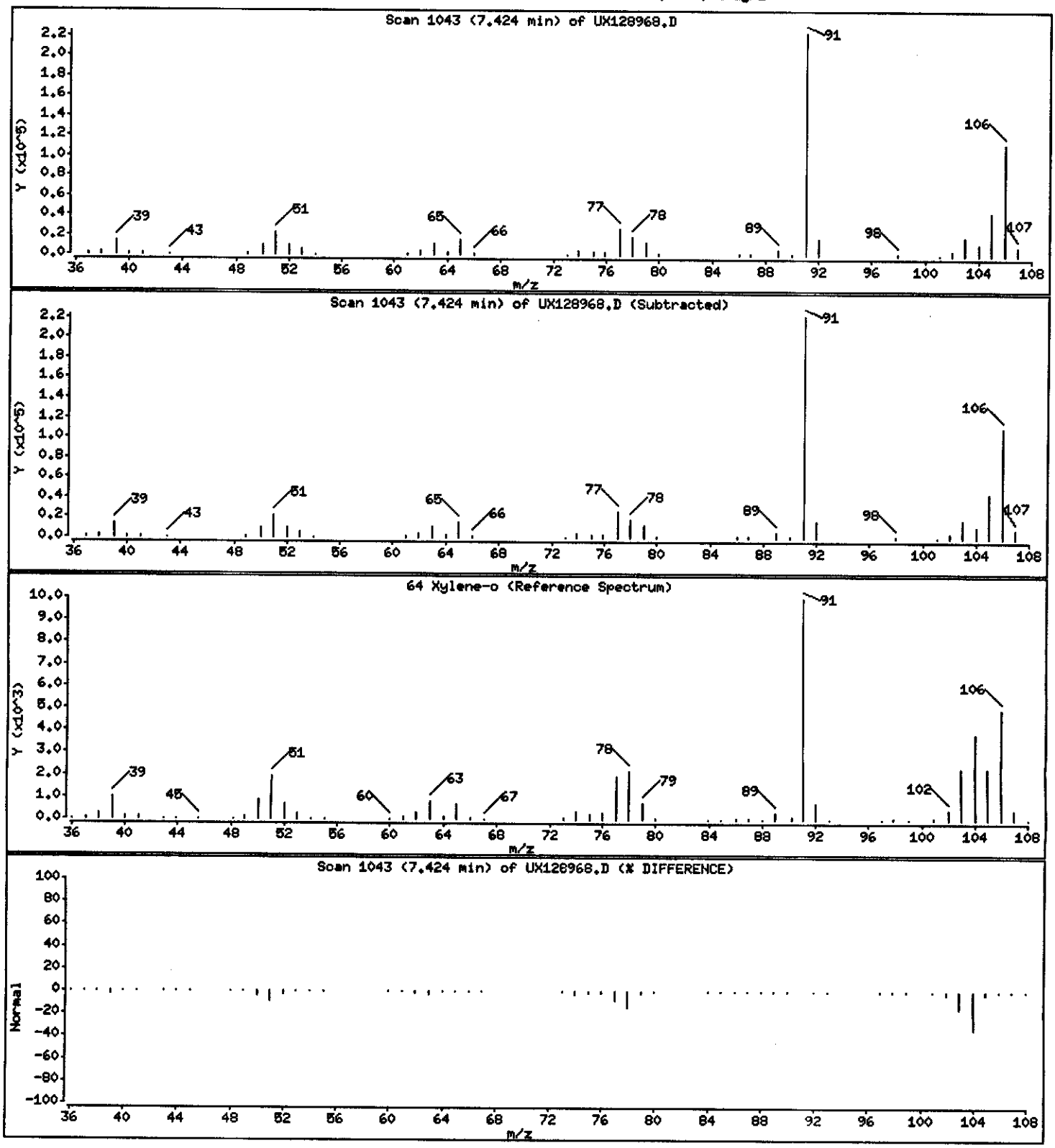
Operator: 1903

Column phase: DB624

Column diameter: 0.18

64 Xylene-o

Concentration: 174.11 ug/L



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Date : 25-AUG-2004 02:26

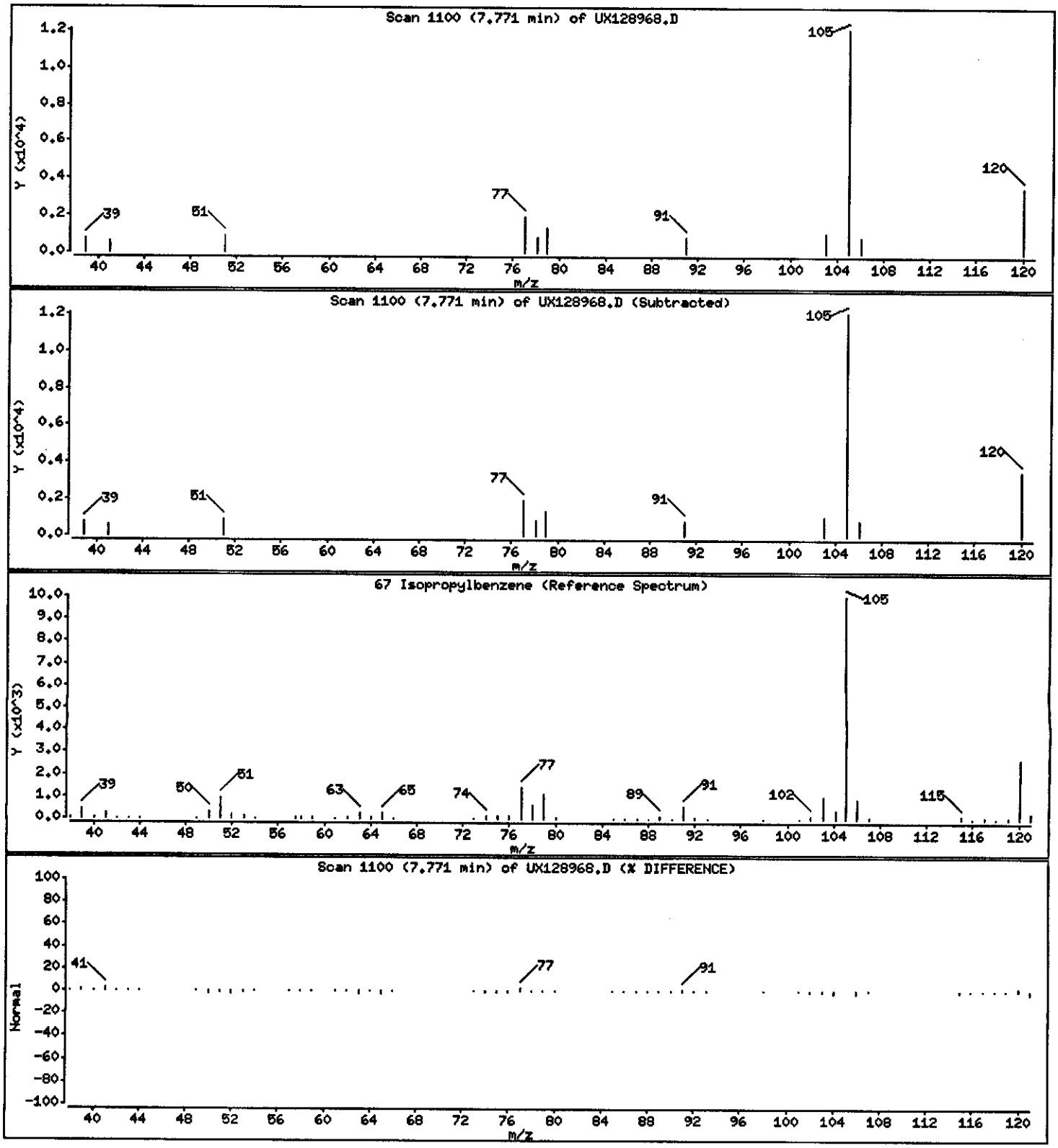
Client ID: OUTFALL/081604 Instrument: a3ux12.i

Sample Info: GH9WJ1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1903

Column phase: DB624 Column diameter: 0.18

67 Isopropylbenzene Concentration: 8.314 ug/L



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Date : 25-AUG-2004 02:26

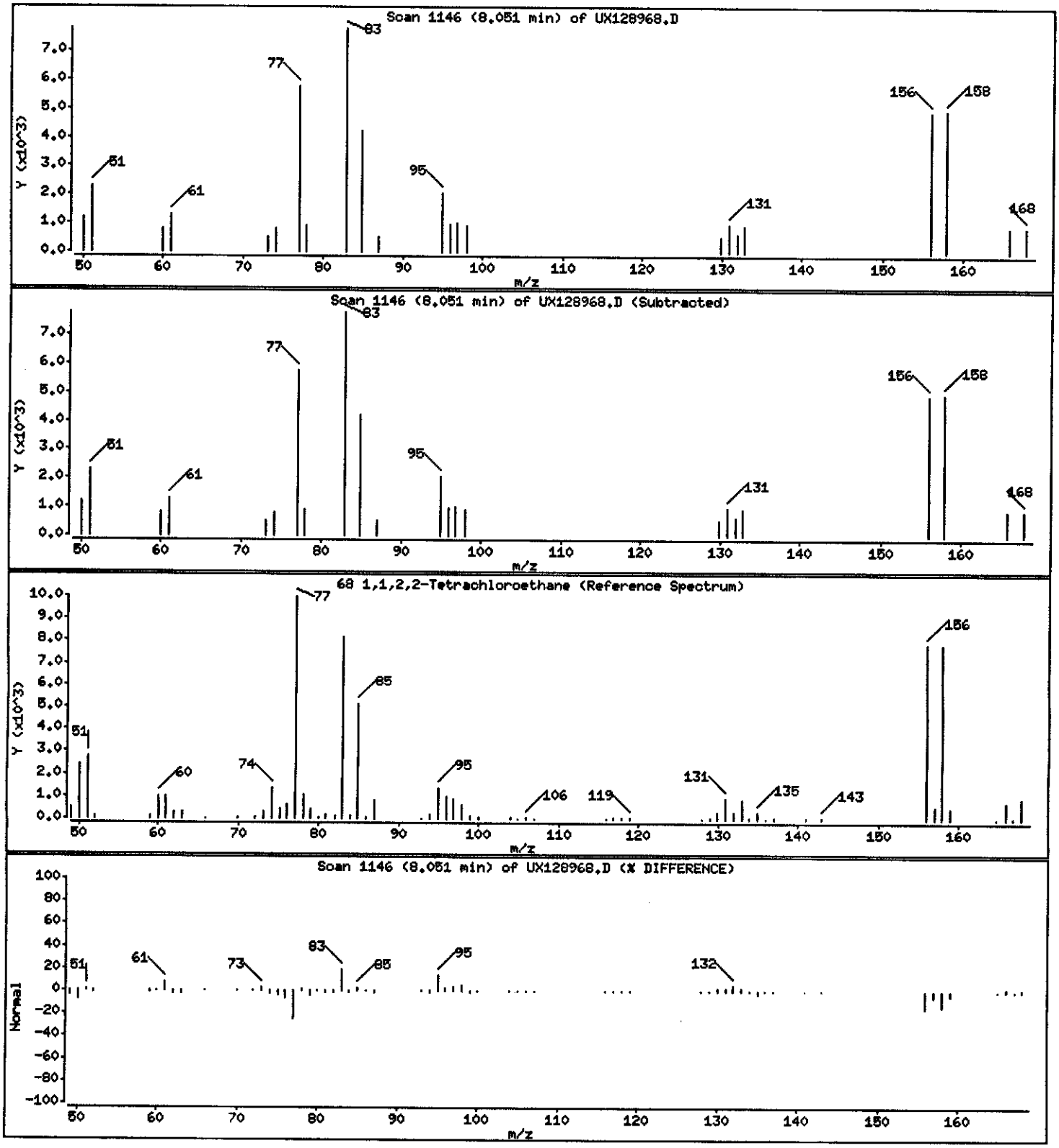
Client ID: OUTFALL/081604 Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1903

Column phase: DB624 Column diameter: 0.18

68 1,1,2,2-Tetrachloroethane Concentration: 19.347 ug/L



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Date : 25-AUG-2004 02:26

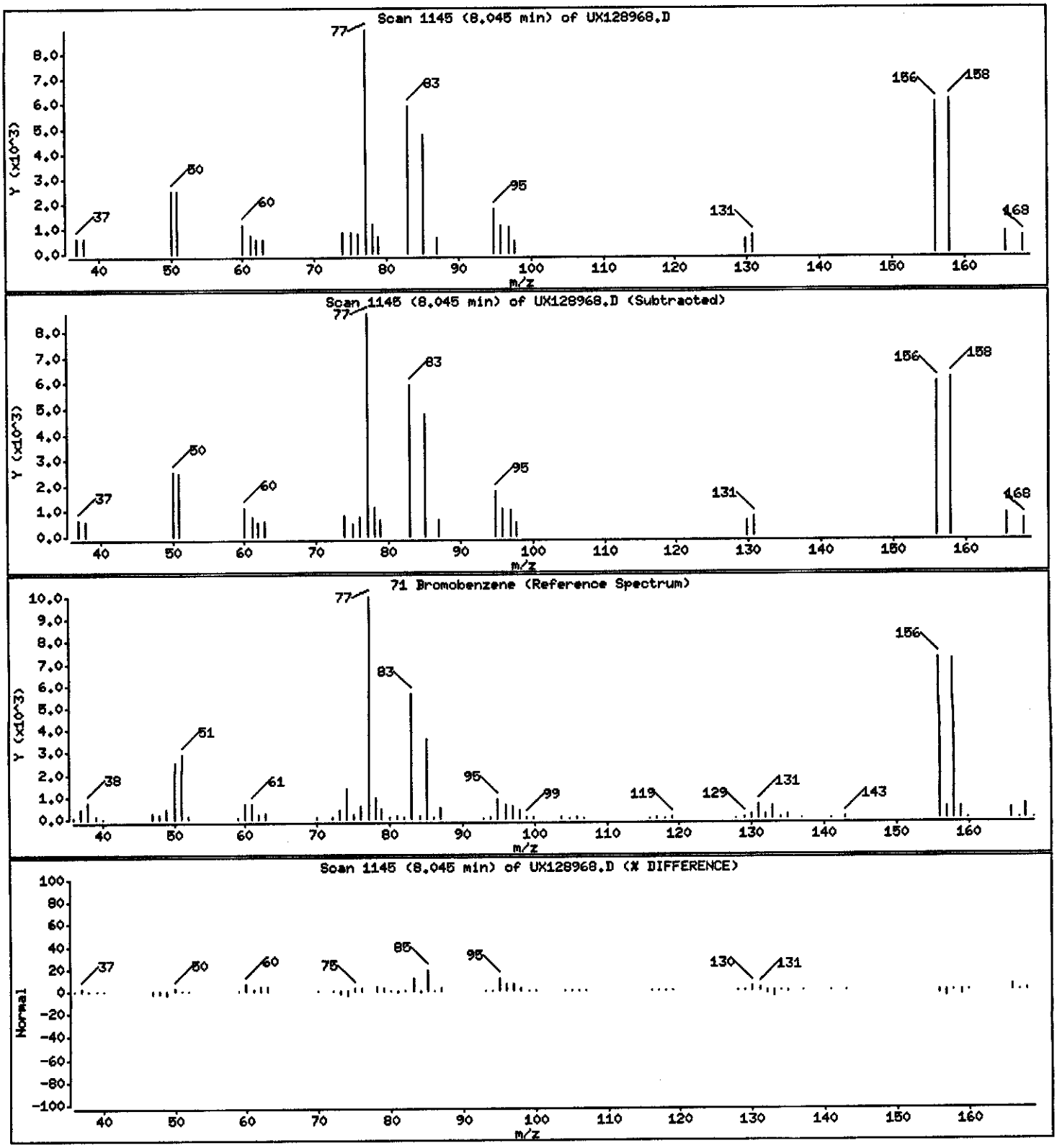
Client ID: OUTFALL/081604 Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1903

Column phase: DB624 Column diameter: 0.18

71 Bromobenzene Concentration: 15.270 ug/L



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Date : 25-AUG-2004 02:26

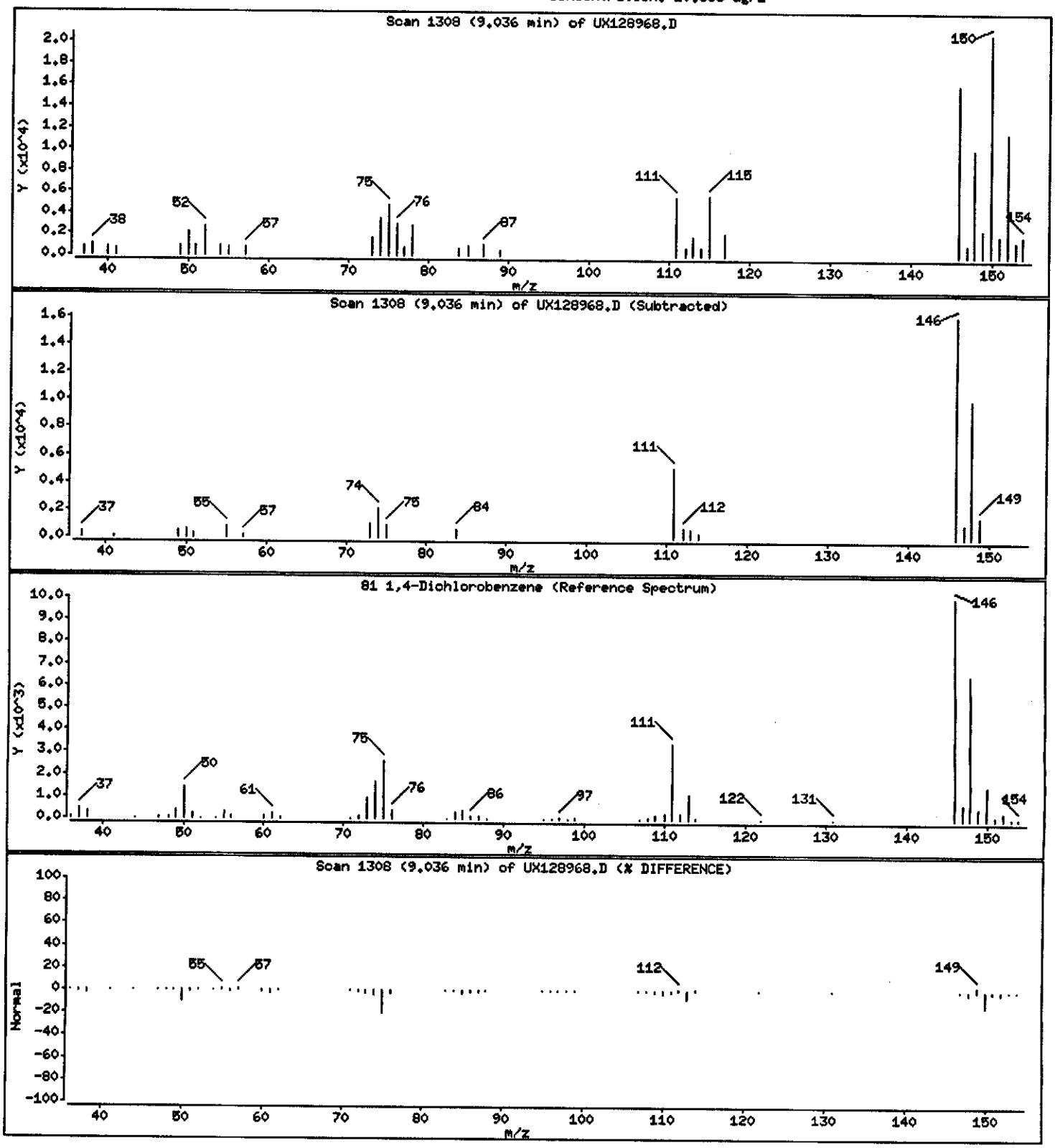
Client ID: OUTFALL/081604 Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1903

Column phase: DB624 Column diameter: 0.18

81 1,4-Dichlorobenzene Concentration: 20.866 ug/L



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Date : 25-AUG-2004 02:26

Client ID: OUTFALL/081604

Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2

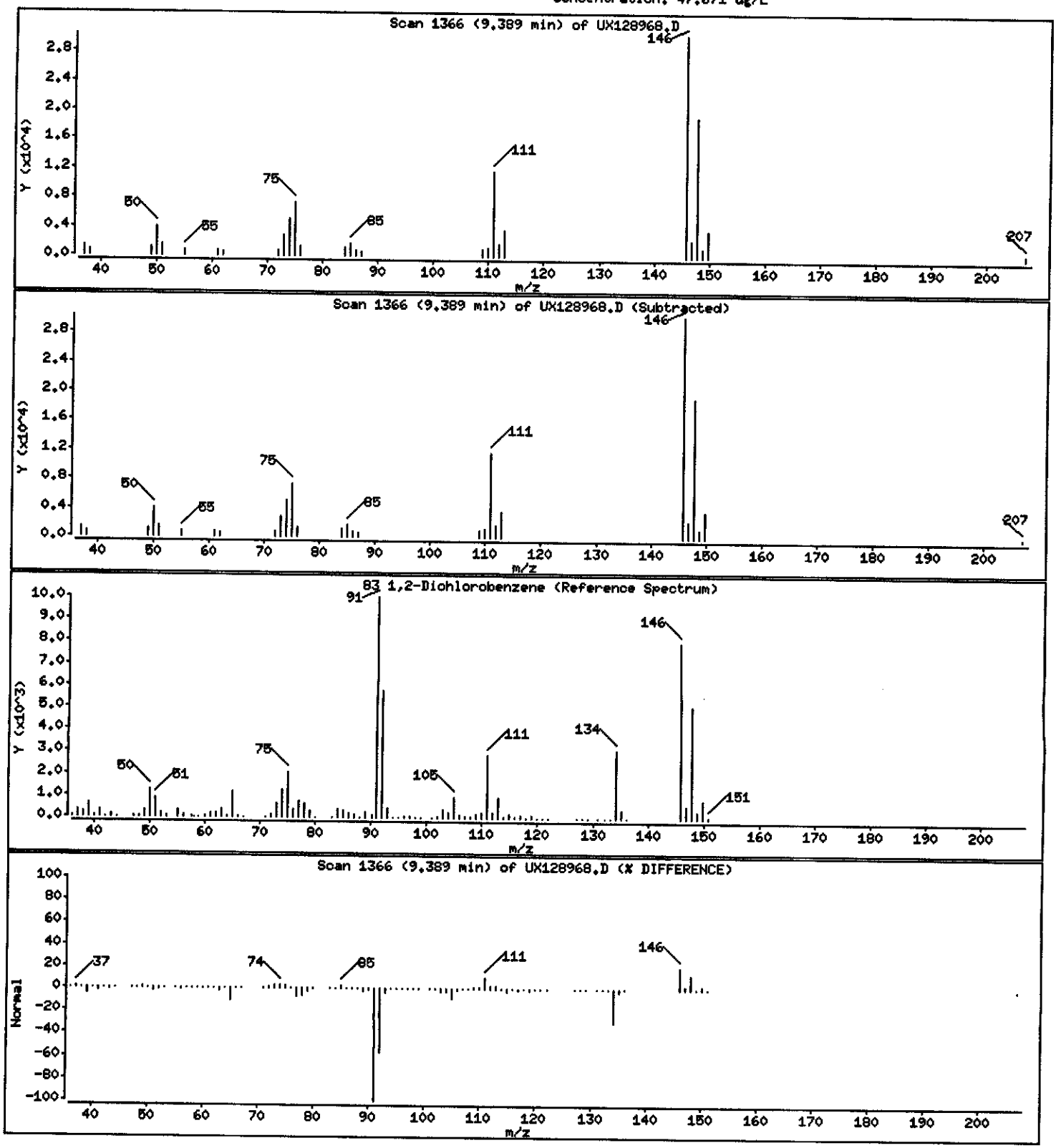
Operator: 1903

Column phase: DB624

Column diameter: 0.18

83 1,2-Dichlorobenzene

Concentration: 47.671 ug/L



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Date : 25-AUG-2004 02:26

Client ID: OUTFALL/081604

Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2

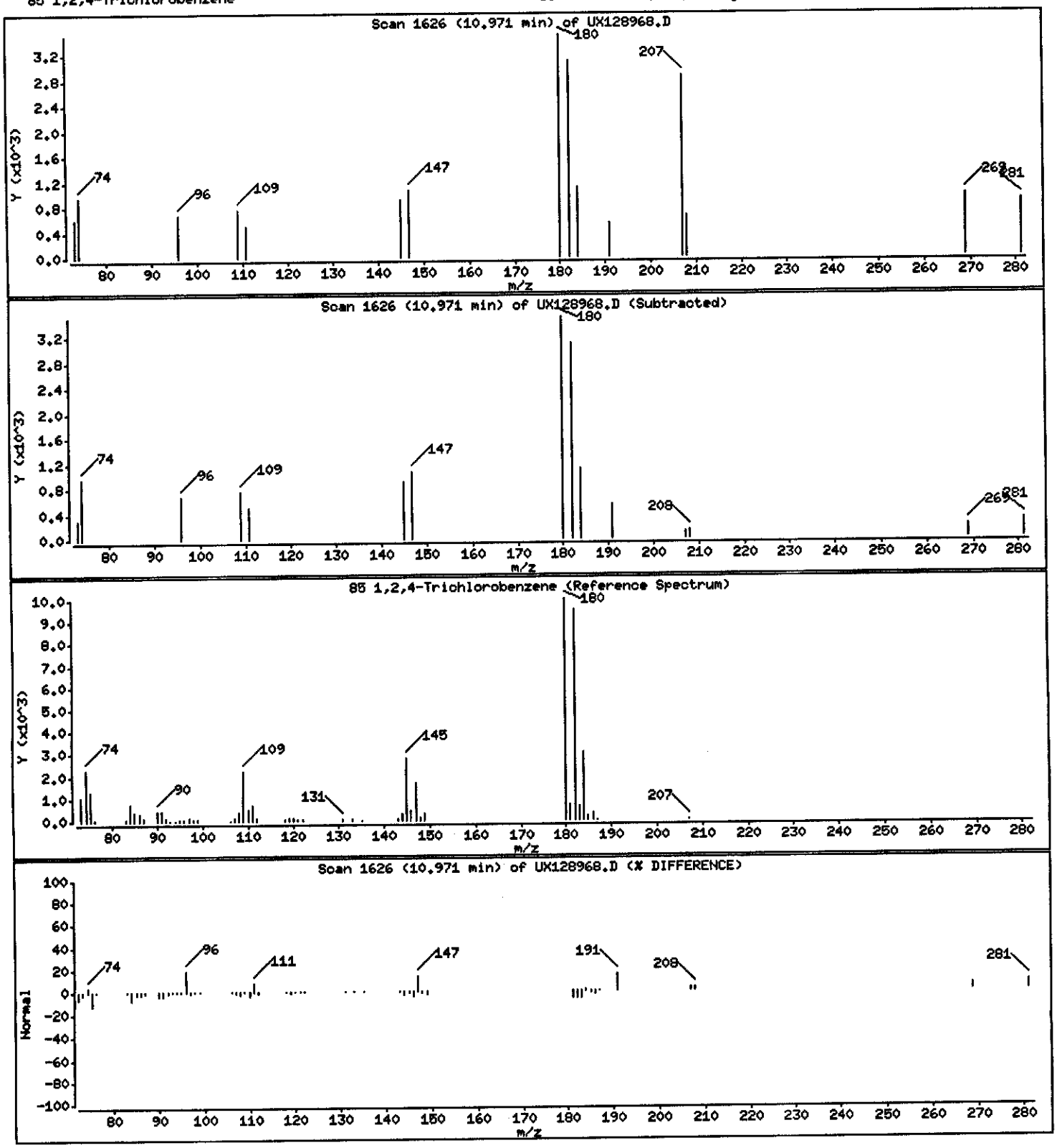
Operator: 1903

Column phase: DB624

Column diameter: 0.18

85 1,2,4-Trichlorobenzene

Concentration: 12.166 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128968.D

Date : 25-AUG-2004 02:26

Client ID: OUTFALL/081604

Instrument: a3ux12.i

Sample Info: GH9WJ1AA,0.2ML/5ML

Purge Volume: 0.2

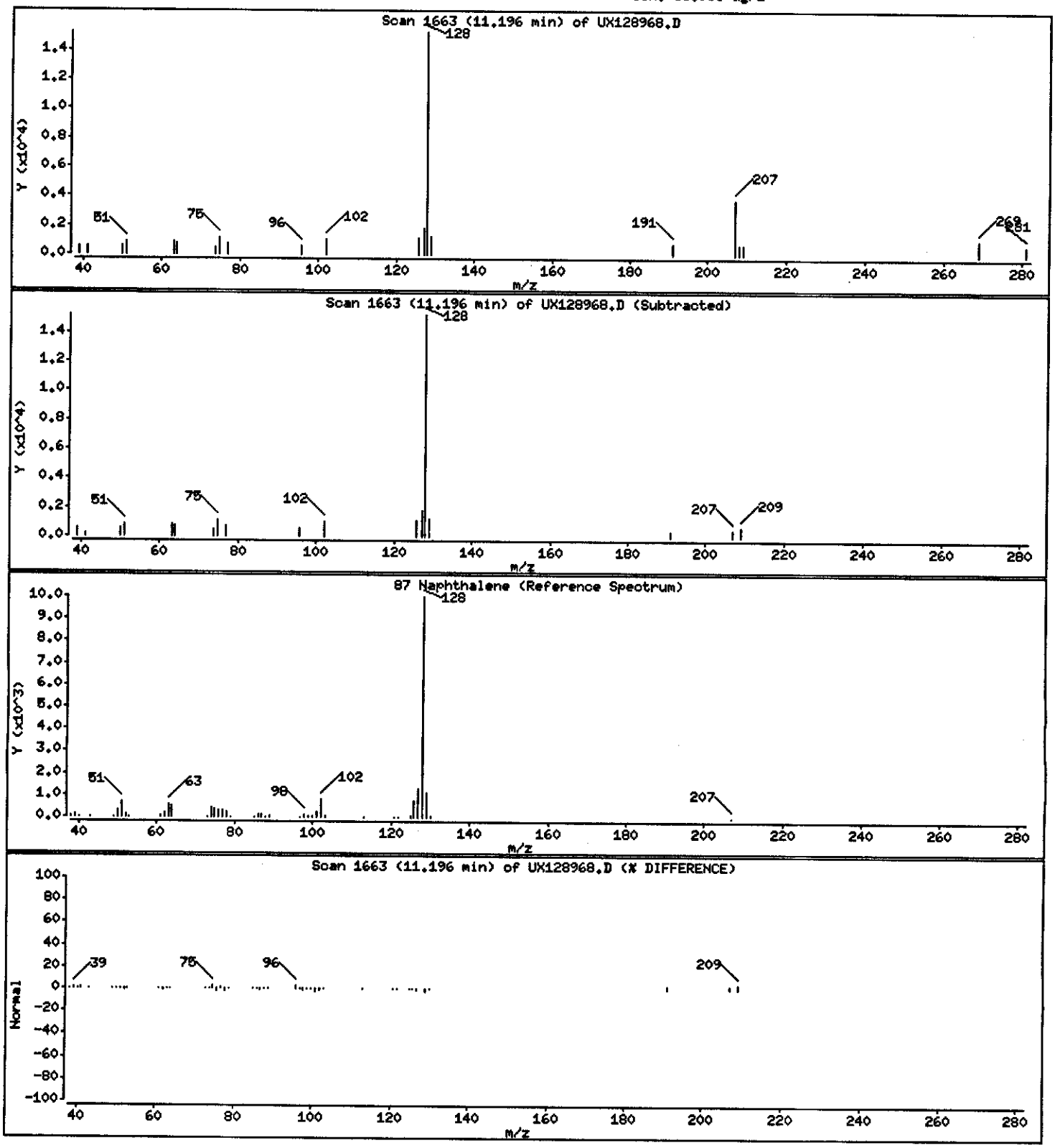
Operator: 1903

Column phase: DB624

Column diameter: 0.18

87 Naphthalene

Concentration: 38.963 ug/L



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Date : 25-AUG-2004 02:26

Client ID: OUTFALL/081604

Instrument: a3ux12.i

Sample Info: CM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2

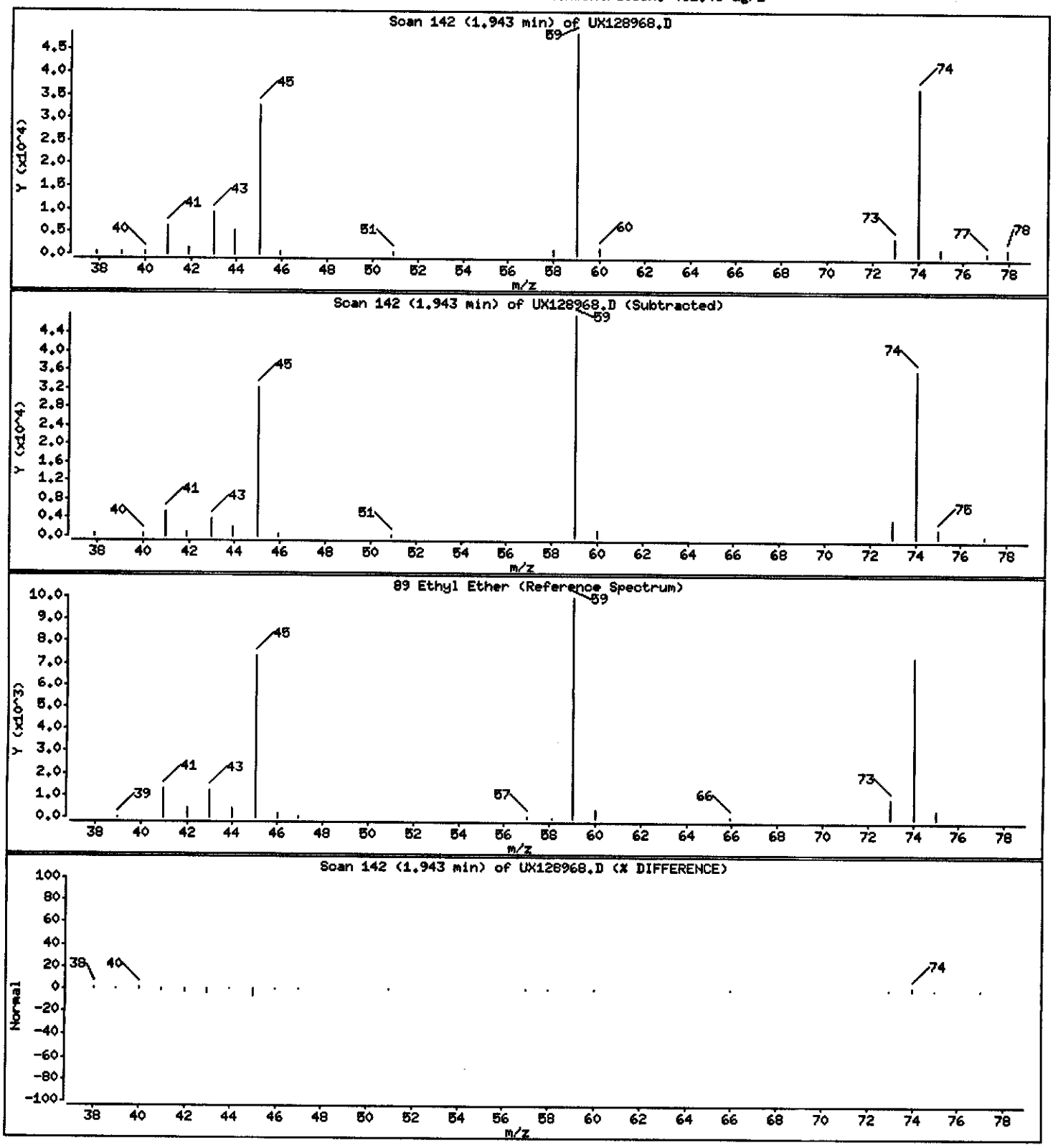
Operator: 1903

Column phase: DB624

Column diameter: 0.18

89 Ethyl Ether

Concentration: 451.46 ug/L



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Date : 25-AUG-2004 02:26

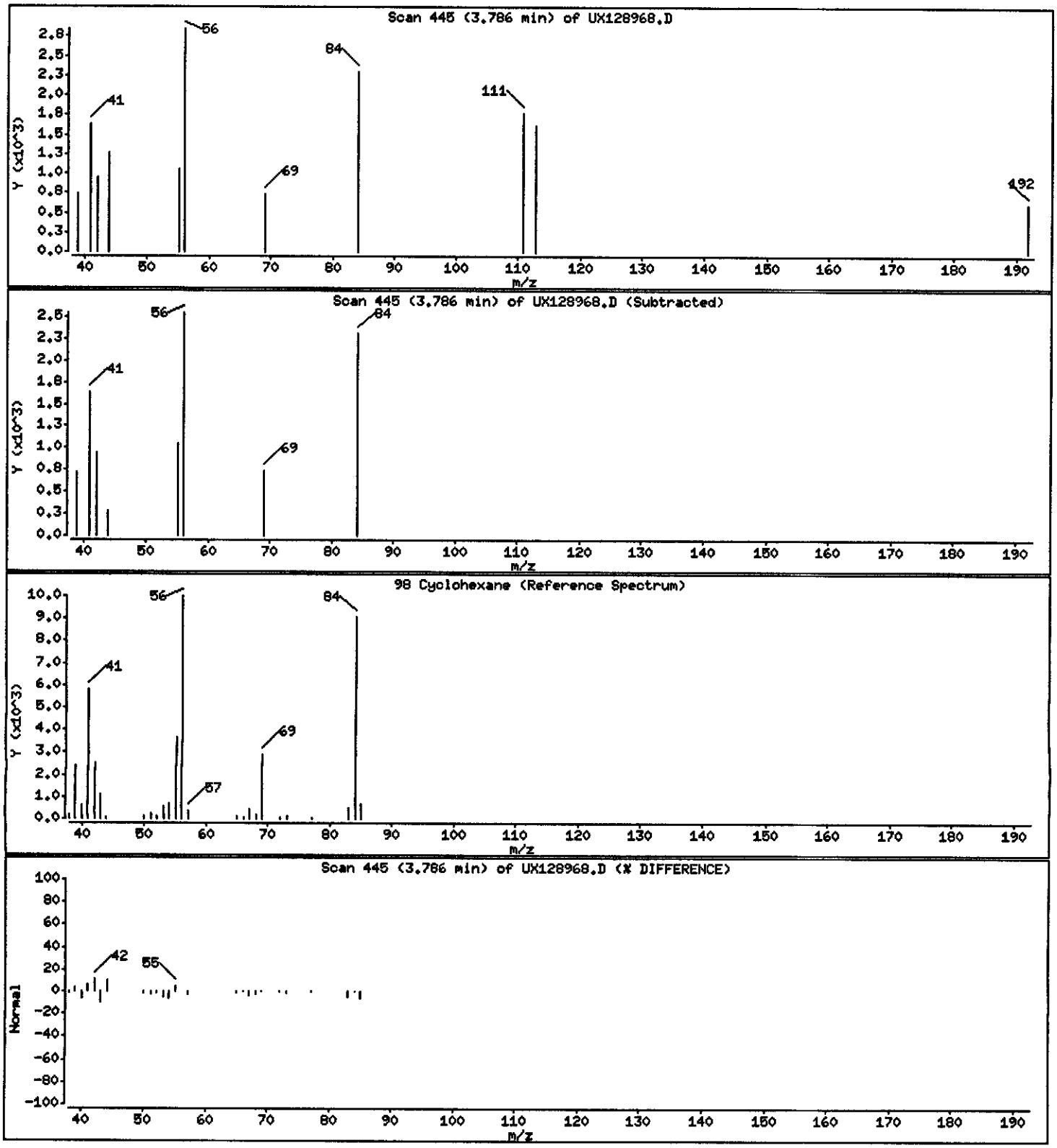
Client ID: OUTFALL/081604 Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1903

Column phase: DB624 Column diameter: 0.18

98 Cyclohexane Concentration: 13.313 ug/L



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Date : 25-AUG-2004 02:26

Client ID: OUTFALL/081604

Instrument: a3ux12.i

Sample Info: GM9WJ1AA,0.2ML/5ML

Purge Volume: 0.2

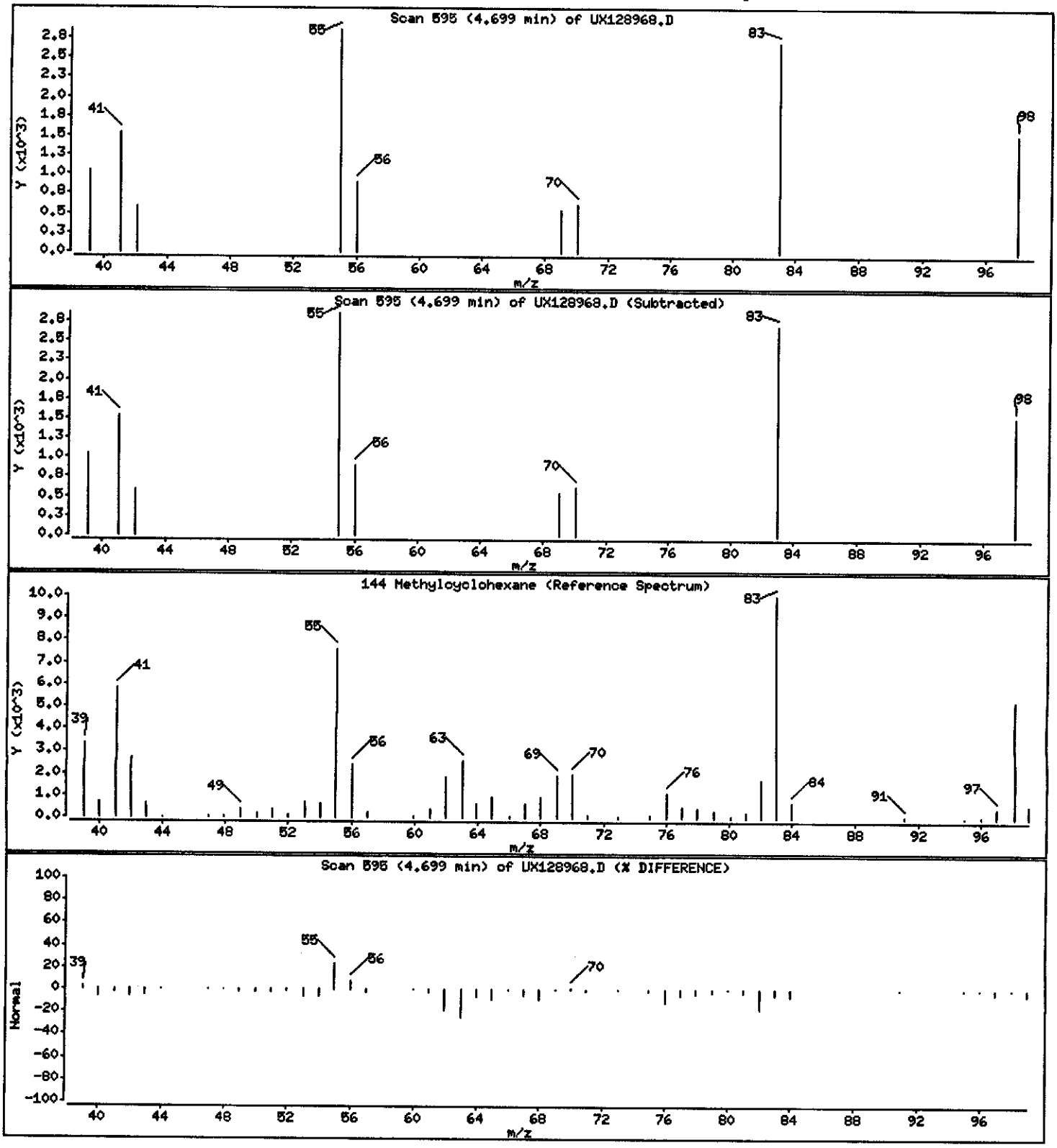
Operator: 1903

Column phase: DB624

Column diameter: 0.18

144 Methylcyclohexane

Concentration: 12.364 ug/L



PAYNE FIRM INC.

Client Sample ID: DUP02/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-007 **Work Order #...:** GM9W41AA **Matrix.....:** WQ
Date Sampled...: 08/16/04 **Date Received..:** 08/17/04
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4238597
Dilution Factor: 12.5 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	120	ug/L
Acetonitrile	ND	250	ug/L
Acrolein	ND	250	ug/L
Acrylonitrile	ND	250	ug/L
Benzene	**11 J,B**	**12**	**ug/L**
Bromodichloromethane	ND	12	ug/L
Bromoform	ND	12	ug/L
Bromomethane	ND	12	ug/L
2-Butanone	ND	120	ug/L
Carbon disulfide	ND	12	ug/L
Carbon tetrachloride	ND	12	ug/L
Chlorobenzene	ND	12	ug/L
Chloroprene	ND	25	ug/L
Dibromochloromethane	ND	12	ug/L
Chloroethane	ND	12	ug/L
Chloroform	ND	12	ug/L
Chloromethane	ND	12	ug/L
3-Chloropropene	ND	25	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	ug/L
1,2-Dibromoethane	ND	12	ug/L
Dibromomethane	ND	12	ug/L
trans-1,4-Dichloro-2-butene	ND	12	ug/L
1,1-Dichloroethane	**7.0 J**	**12**	**ug/L**
1,2-Dichloroethane	**130**	**12**	**ug/L**
cis-1,2-Dichloroethene	**300**	**12**	**ug/L**
trans-1,2-Dichloroethene	**47**	**12**	**ug/L**
1,1-Dichloroethene	ND	12	ug/L
1,2-Dichloroethene (total)	**340**	**25**	**ug/L**
Dichlorofluoromethane	ND	25	ug/L
1,2-Dichloropropane	ND	12	ug/L
cis-1,3-Dichloropropene	ND	12	ug/L
trans-1,3-Dichloropropene	ND	12	ug/L
1,4-Dioxane	**6100**	**620**	**ug/L**
Ethylbenzene	ND	12	ug/L
Ethyl methacrylate	ND	12	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DUP02/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-007 **Work Order #...:** GM9W41AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	120	ug/L
Iodomethane	ND	12	ug/L
Isobutanol	ND	620	ug/L
Methacrylonitrile	ND	25	ug/L
Methylene chloride	**30 B**	**12**	**ug/L**
Methyl methacrylate	ND	25	ug/L
4-Methyl-2-pentanone	ND	120	ug/L
Propionitrile	ND	50	ug/L
Styrene	**3.5 J,B**	**12**	**ug/L**
1,1,1,2-Tetrachloroethane	ND	12	ug/L
1,1,2,2-Tetrachloroethane	ND	12	ug/L
Tetrachloroethene	ND	12	ug/L
Toluene	ND	12	ug/L
1,1,1-Trichloroethane	ND	12	ug/L
1,1,2-Trichloroethane	ND	12	ug/L
Trichloroethene	ND	12	ug/L
Trichlorofluoromethane	ND	12	ug/L
1,2,3-Trichloropropane	ND	12	ug/L
Vinyl acetate	ND	25	ug/L
Vinyl chloride	**97**	**12**	**ug/L**
Xylenes (total)	ND	25	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

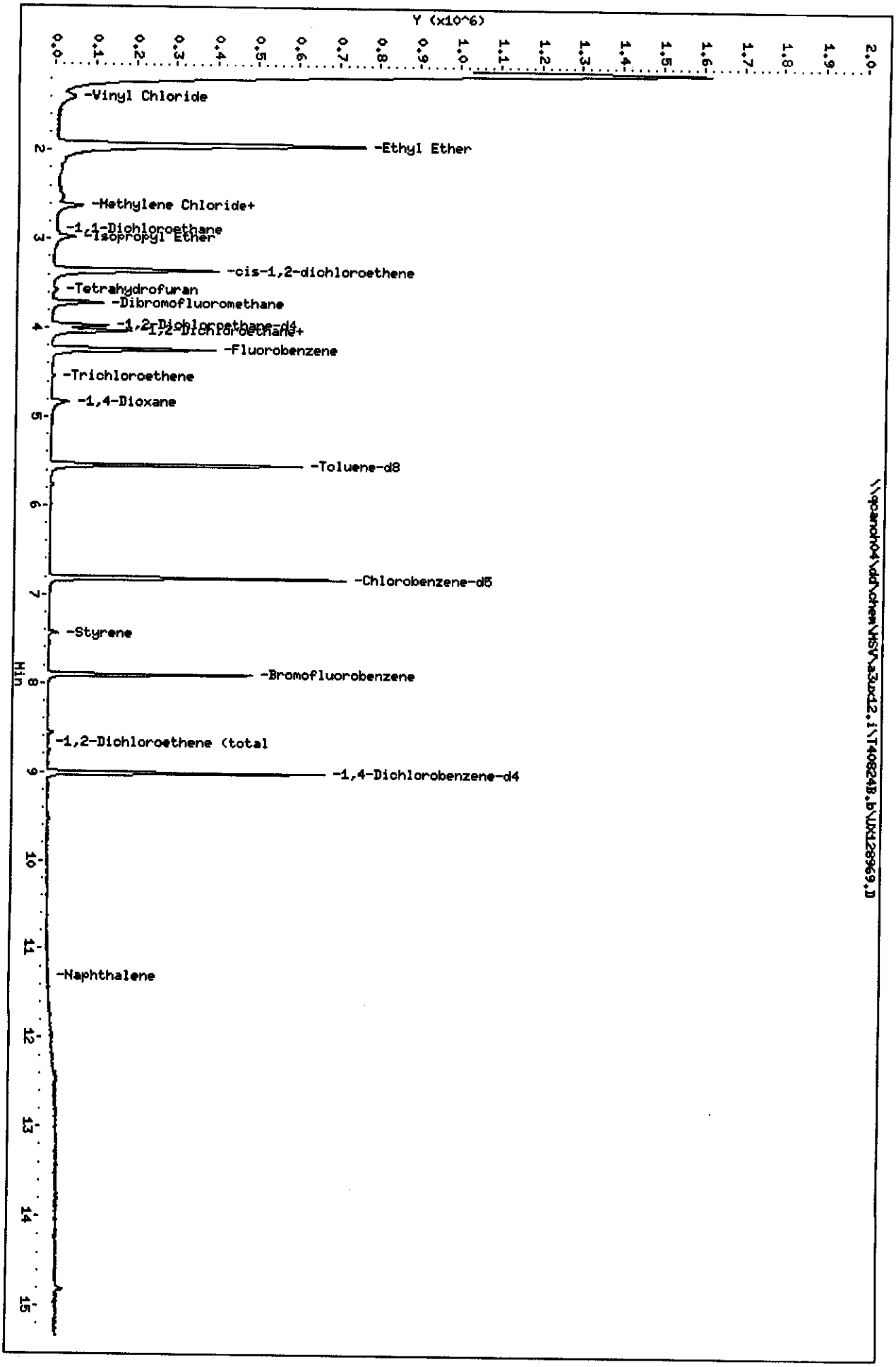
NOTE(S):

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\HSV\a3ux12.i\T408248.b\UX128969.D
Date : 25-AUG-2004 02:51
Client ID: DUP02L/081604
Sample Info: CH9441A0,0.4ML/5ML
Purge Volume: 0.4
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



\\qcanoh04\dd\chem\HSV\a3ux12.i\T408248.b\UX128969.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128969.D
Report Date: 25-Aug-2004 18:30

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128969.D
Lab Smp Id: GM9W41AA Client Smp ID: DUP02L/081604
Inj Date : 25-AUG-2004 02:51
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GM9W41AA,0.4ML/5ML
Misc Info : T40824B,8260LLUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 25-Aug-2004 18:24 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.400	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.242	4.242	(1.000)	451275	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	425657	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.011	9.011	(1.000)	186434	50.0000	
$ 4 Dibromofluoromethane	113	3.719	3.713	(0.877)	99182	52.2471	130.62
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	127125	53.1847	132.96
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	429463	48.9660	122.41
$ 7 Bromofluorobenzene	95	7.910	7.904	(1.161)	169142	46.0376	115.09
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.407	1.395	(0.332)	122944	38.6207	96.552
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\a3ux12.i\T40824B.b\UX128969.D
Report Date: 25-Aug-2004 18:30

	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	2.532	2.526	(0.597)	31194	12.1196	30.299
	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	2.624	2.624	(0.619)	43088	18.9244	47.311
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	2.928	2.922	(0.690)	10455	2.80255	7.006
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				327676	137.257	343.14
	32 cis-1,2-dichloroethene	96	3.354	3.354	(0.791)	284588	118.333	295.83
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	3.579	3.567	(0.844)	9266	10.2239	25.560
	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	4.035	4.035	(0.951)	155873	51.4073	128.52
	41 Benzene	78	4.029	4.023	(0.950)	44078	4.40105	11.003
	42 Trichloroethene	130	4.546	4.540	(1.072)	2704	1.04207	2.605
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	4.826	4.826	(1.138)	62011	2427.78	6069.4(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	7.436	7.436	(1.091)	12325	1.38435	3.461
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128969.D
Report Date: 25-Aug-2004 18:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
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	11.202	11.195	(1.243)	1121	4.27865	10.697
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	1.942	1.942	(0.458)	909973	483.203	1208.0(A)
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	2.977	2.977	(0.702)	15058	7.62169	19.054
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\MSV\a3ux12.i\T40824B.b\UX128969.D

Date : 25-AUG-2004 02:51

Client ID: DUP02L/081604

Instrument: a3ux12.i

Sample Info: GM9W41AA,0.4ML/5ML

Purge Volume: 0.4

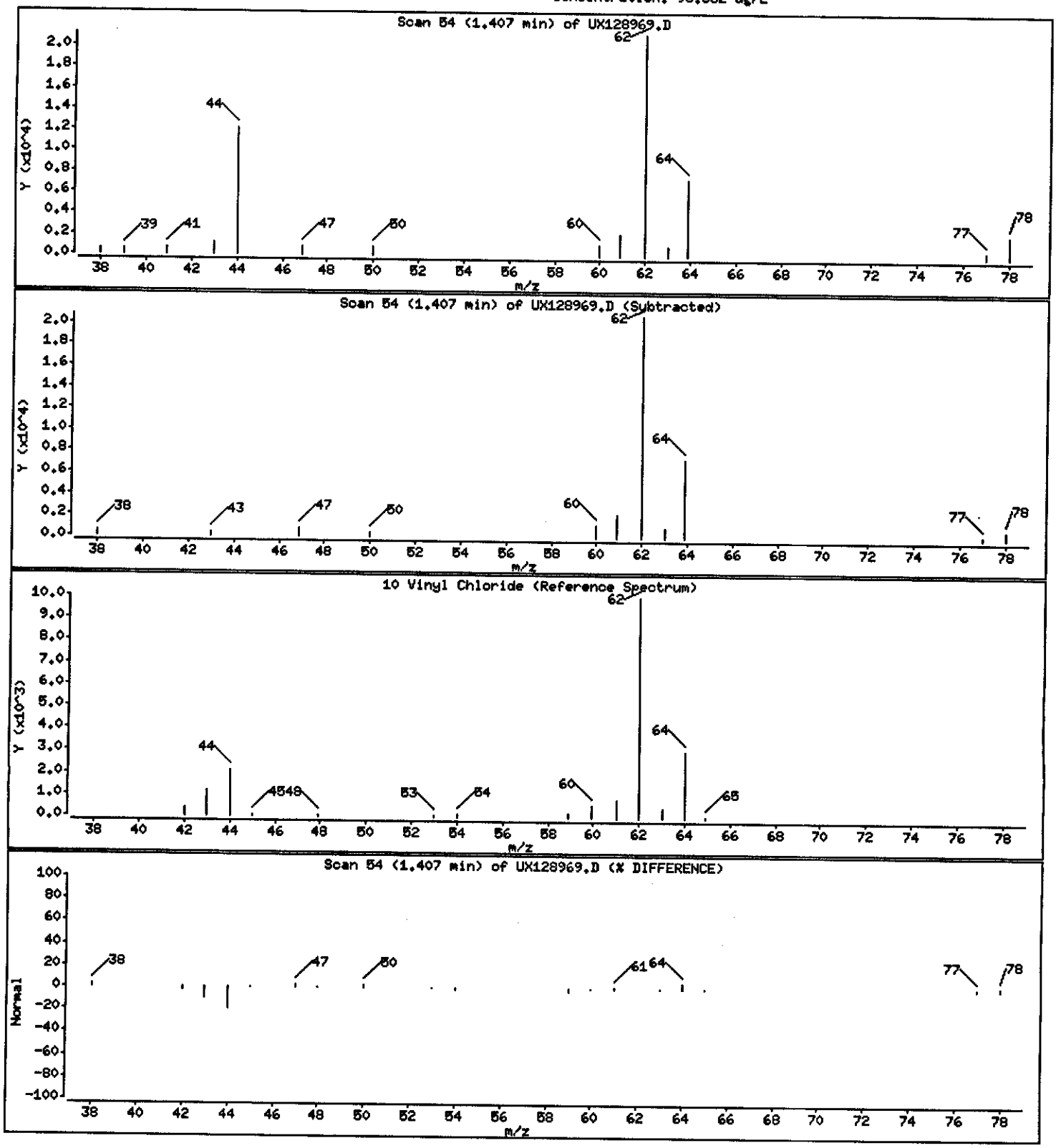
Operator: 1903

Column phase: DB624

Column diameter: 0.18

10 Vinyl Chloride

Concentration: 96.552 ug/L



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Date : 25-AUG-2004 02:51

Client ID: DUP02L/081604

Instrument: a3ux12.i

Sample Info: GM9W41AA,0.4ML/5ML

Purge Volume: 0.4

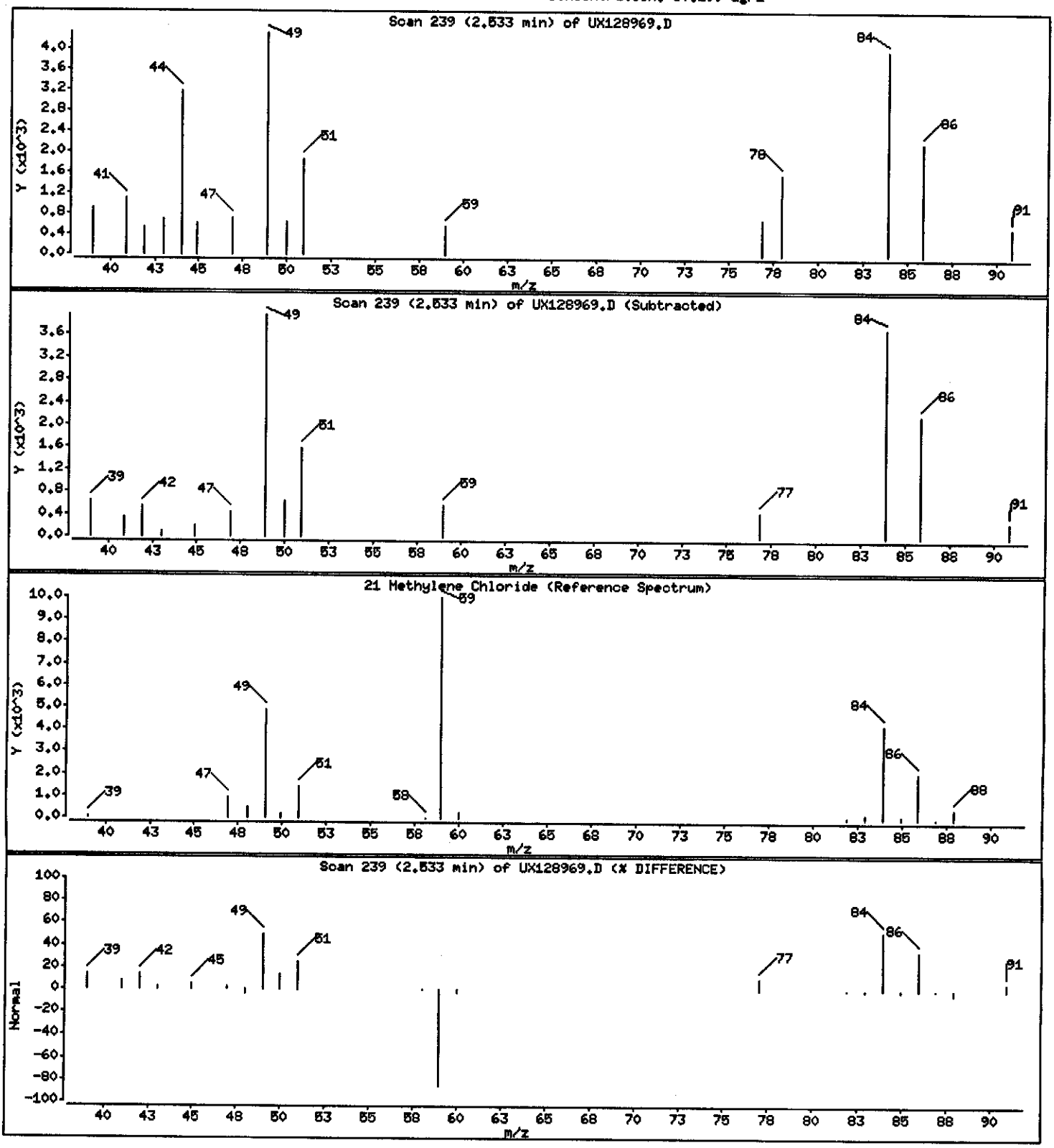
Operator: 1903

Column phase: DB624

Column diameter: 0.18

21 Methylene Chloride

Concentration: 30.299 ug/L



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Date : 25-AUG-2004 02:51

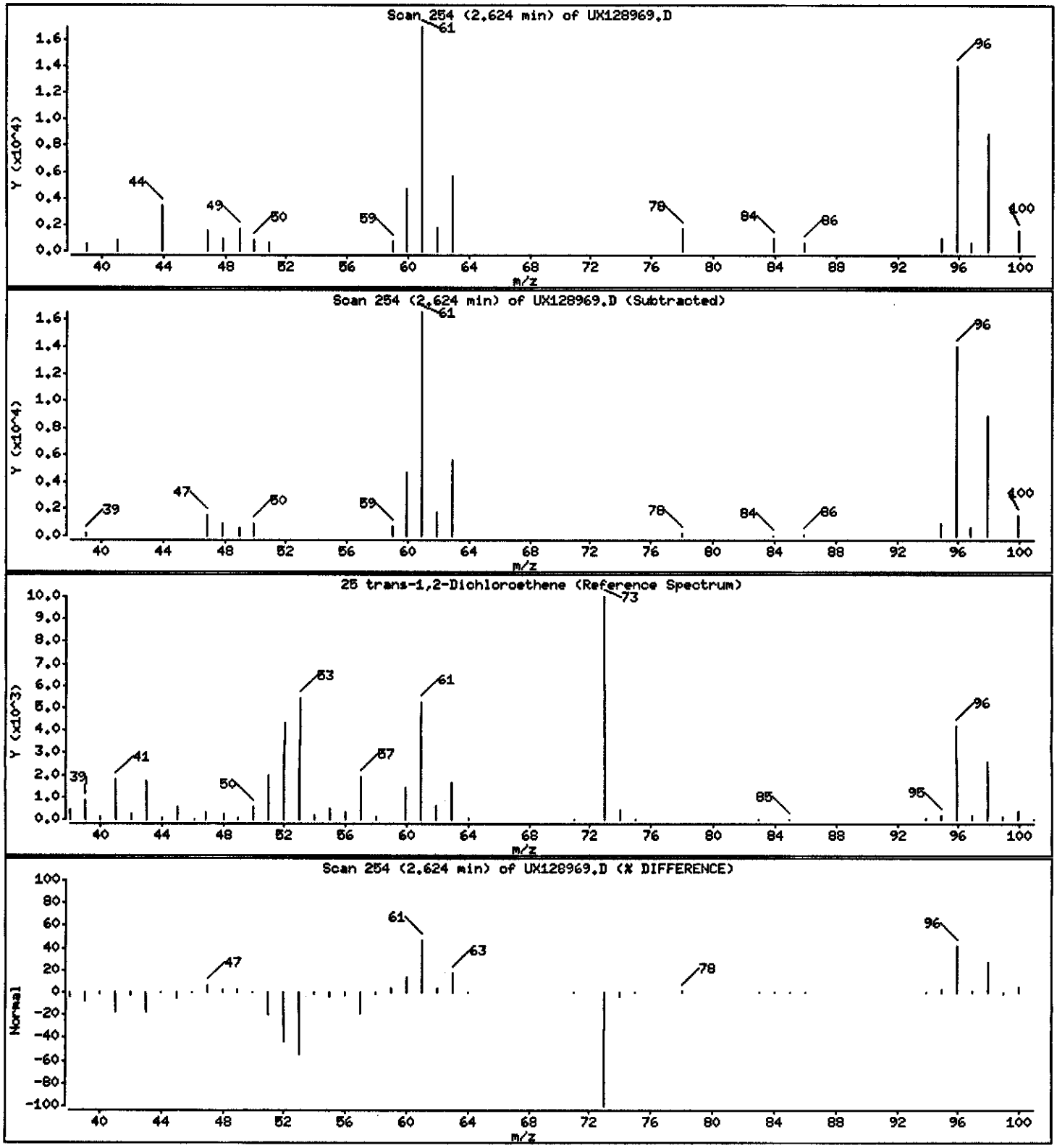
Client ID: DUP02L/081604 Instrument: a3ux12.i

Sample Info: GM9W41AA,0.4ML/5ML

Purge Volume: 0.4 Operator: 1903

Column phase: DB624 Column diameter: 0.18

25 trans-1,2-Dichloroethene Concentration: 47.311 ug/L



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Date : 25-AUG-2004 02:51

Client ID: DUP02L/081604

Instrument: a3ux12.i

Sample Info: GM9W41AA,0.4ML/5ML

Purge Volume: 0.4

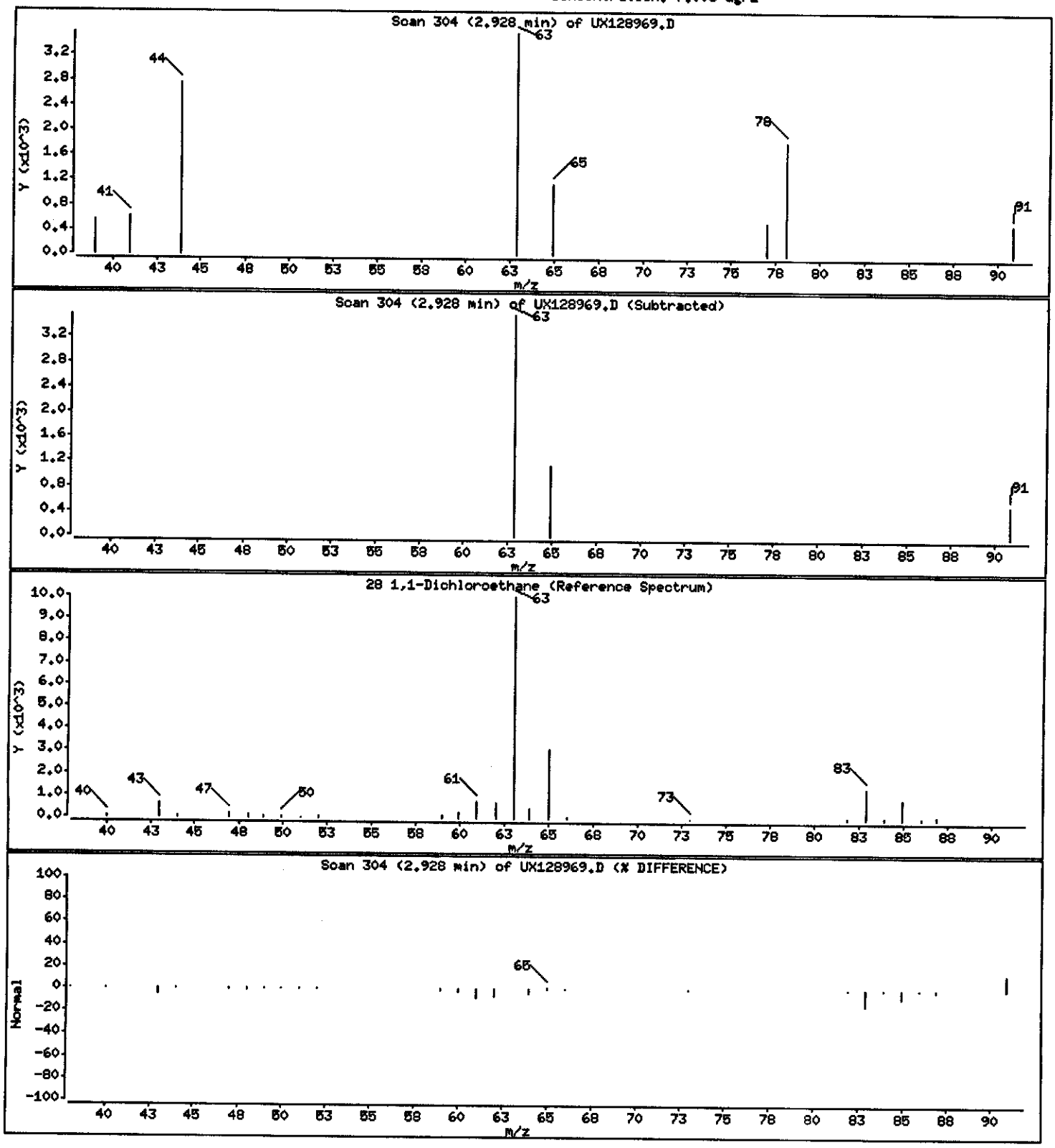
Operator: 1903

Column phase: DB624

Column diameter: 0.18

28 1,1-Dichloroethane

Concentration: 7.006 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128969.D

Date : 25-AUG-2004 02:51

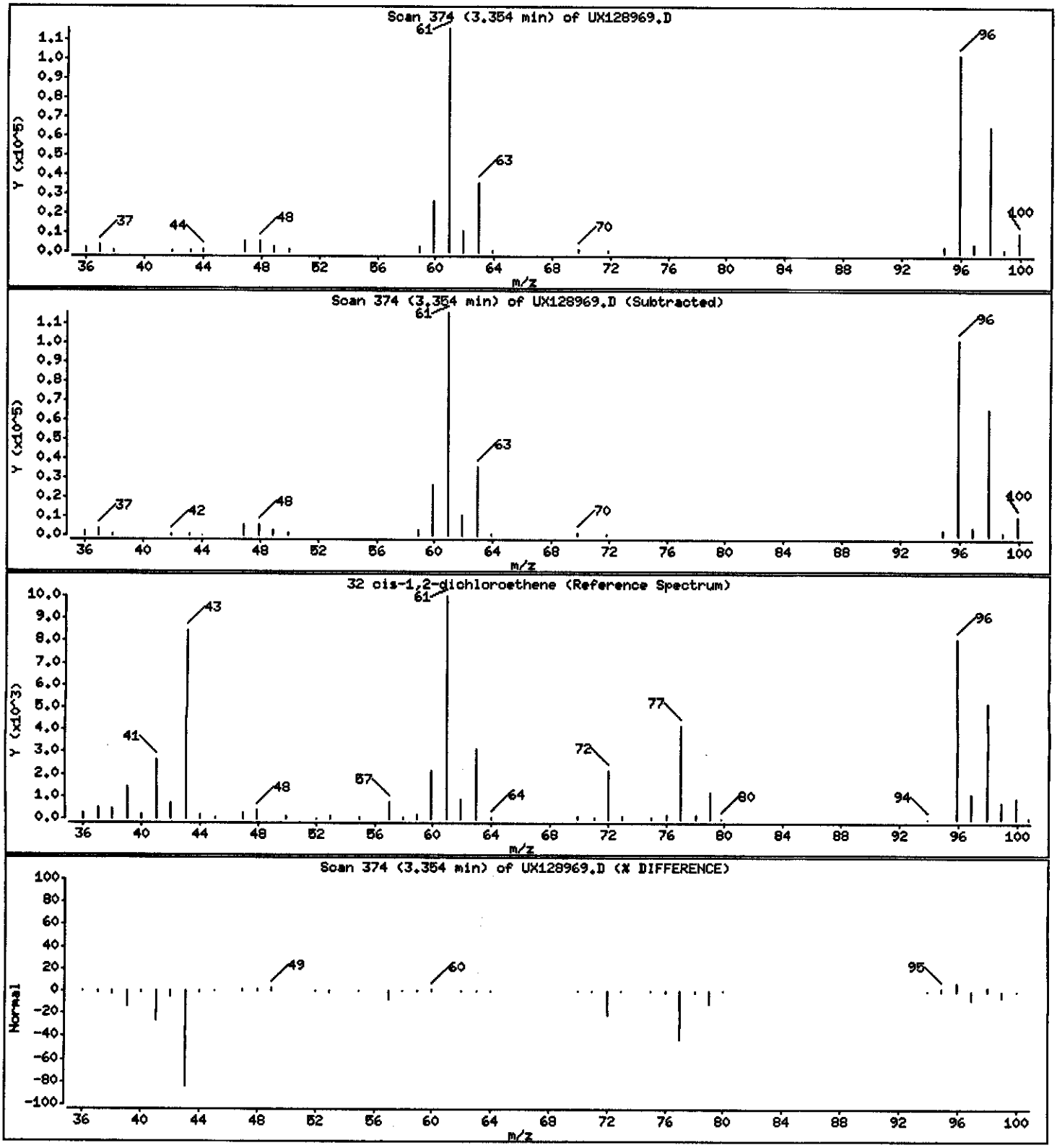
Client ID: DUP02L/081604 Instrument: a3ux12.i

Sample Info: GM9W41AA,0.4ML/5ML

Purge Volume: 0.4 Operator: 1903

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 295.83 ug/L



Data File: \\qcanoh04\dd\chem\HSV\a3ux12.i\T40824B.b\UX128969.D

Date : 25-AUG-2004 02:51

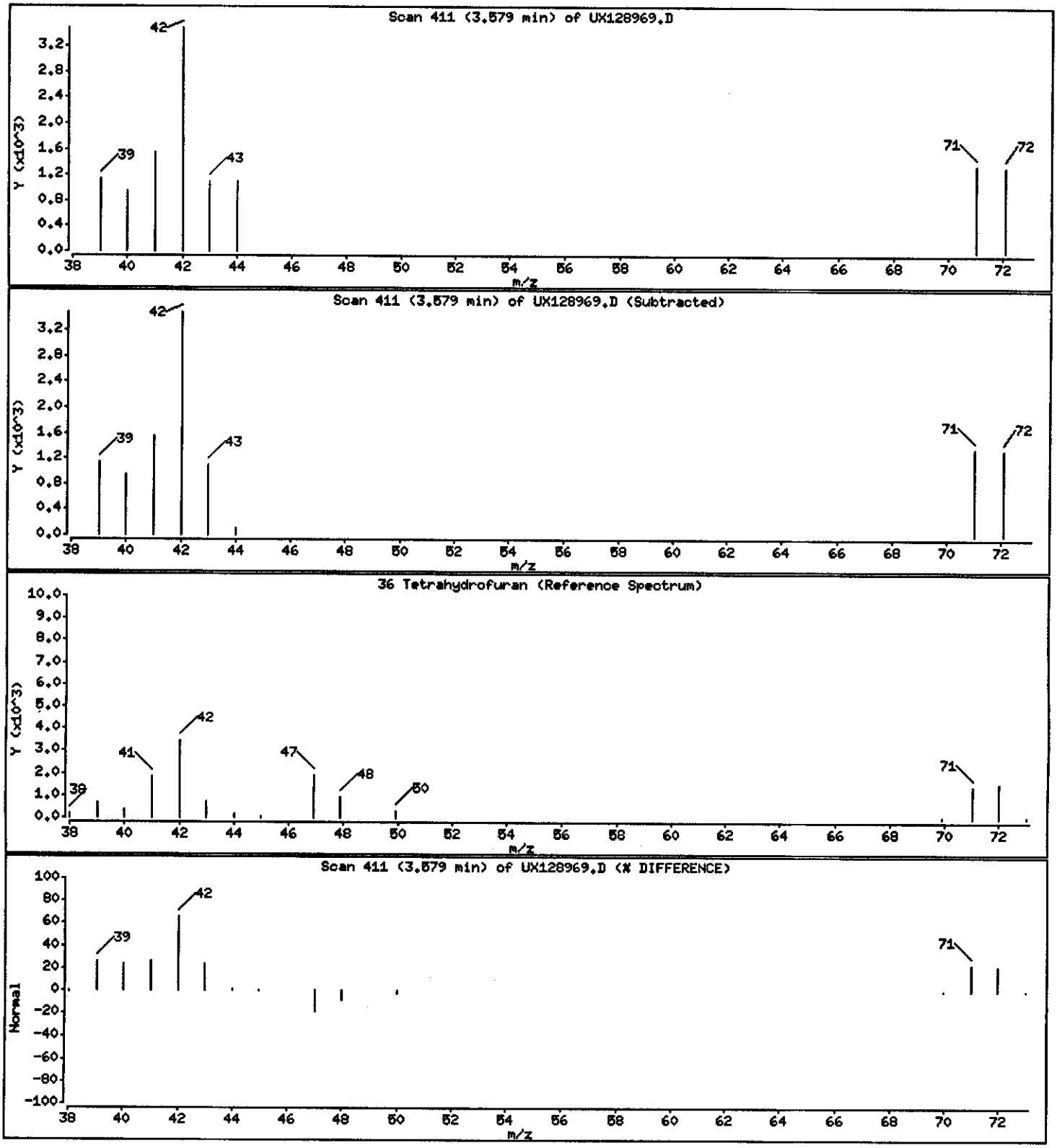
Client ID: DUP02L/081604 Instrument: a3ux12.i

Sample Info: GM9W41AA,0.4ML/5ML

Purge Volume: 0.4 Operator: 1903

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 25.560 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128969.D

Date : 25-AUG-2004 02:51

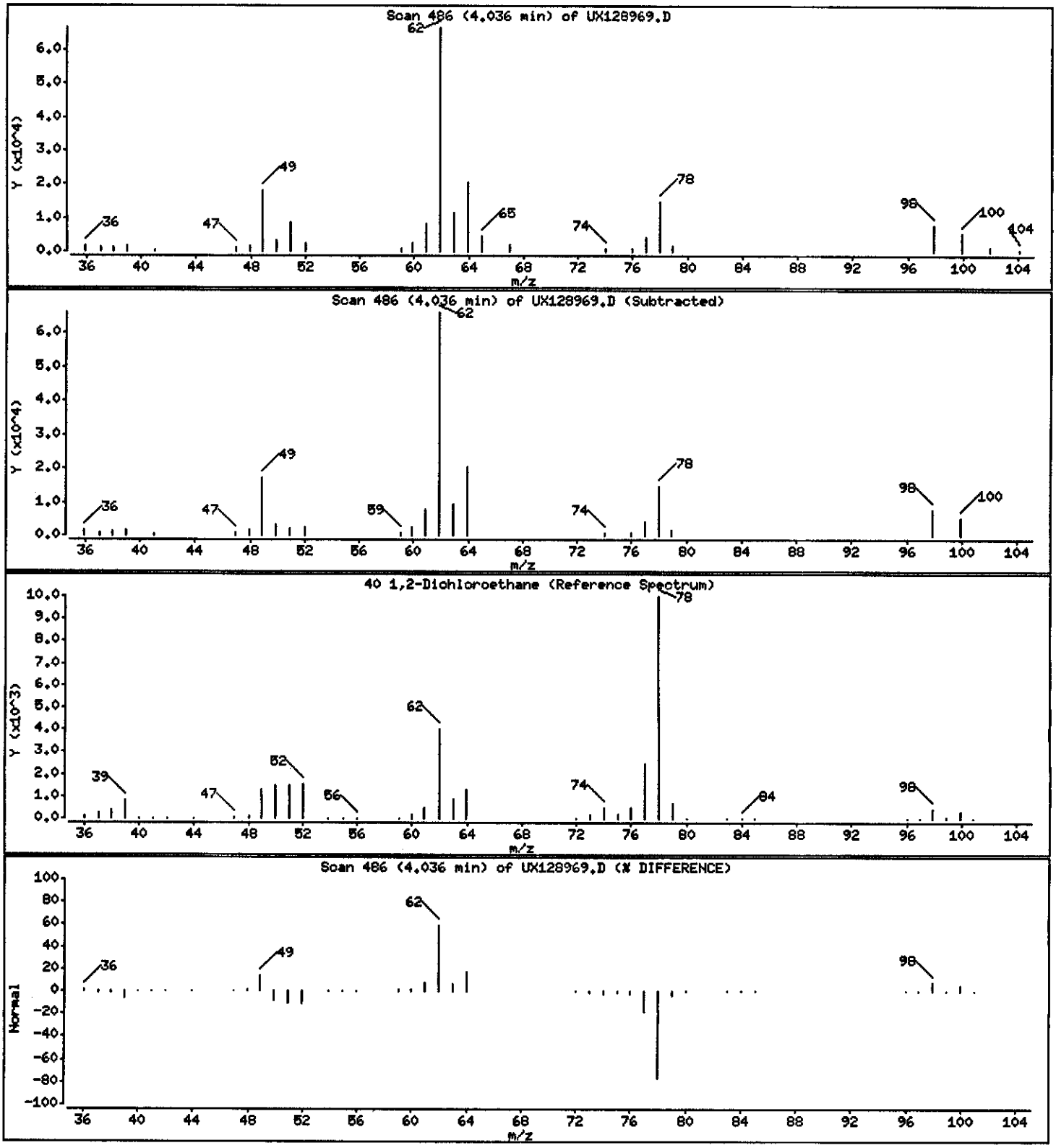
Client ID: DUP02L/081604 Instrument: a3ux12.i

Sample Info: GM9W41AA,0.4ML/5ML

Purge Volume: 0.4 Operator: 1903

Column phase: DB624 Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 128.52 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128969.D

Date : 25-AUG-2004 02:51

Client ID: DUP02L/081604

Instrument: a3ux12.i

Sample Info: GM9W41AA,0.4ML/5ML

Purge Volume: 0.4

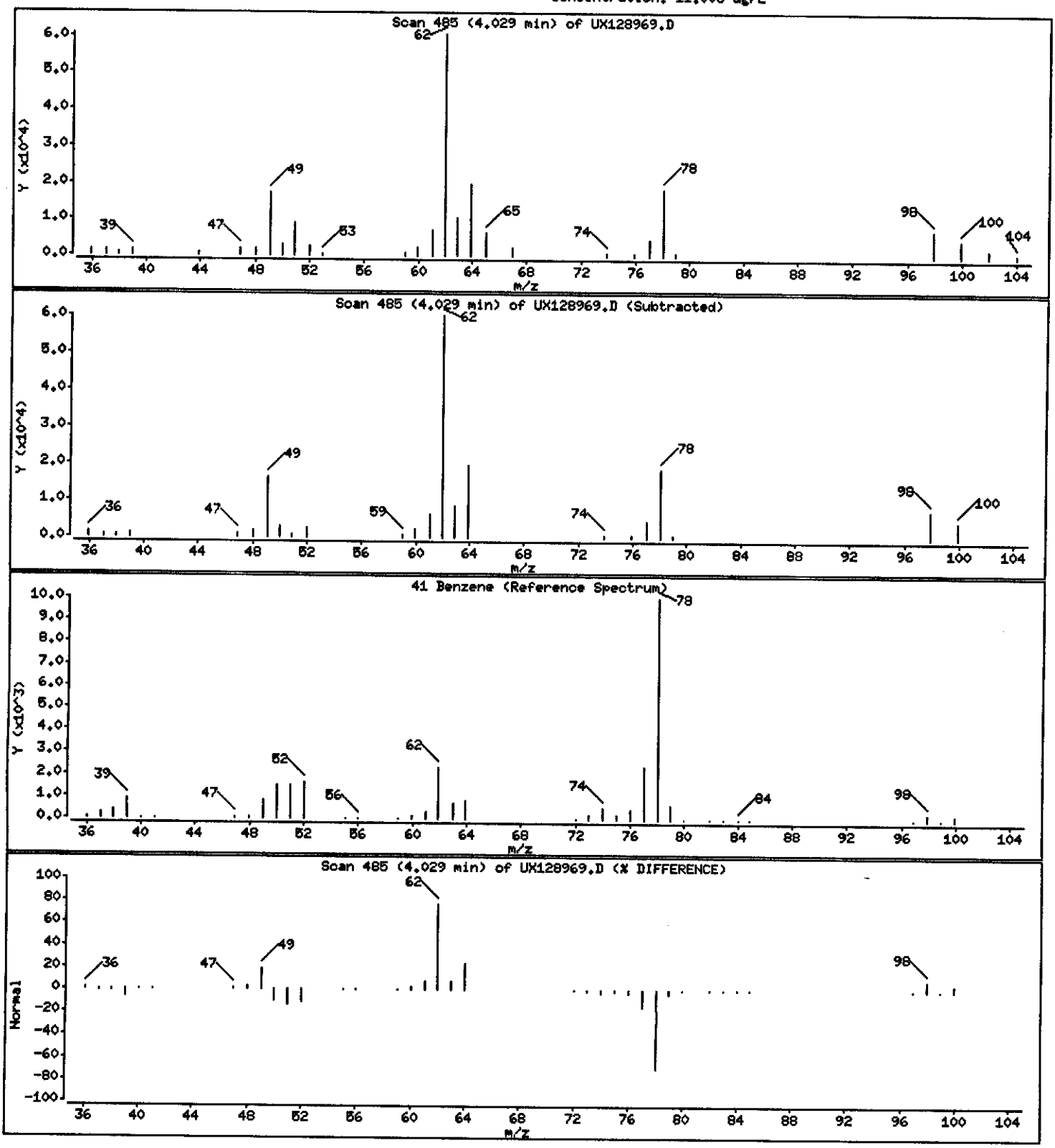
Operator: 1903

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 11.003 ug/L



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Date : 25-AUG-2004 02:51

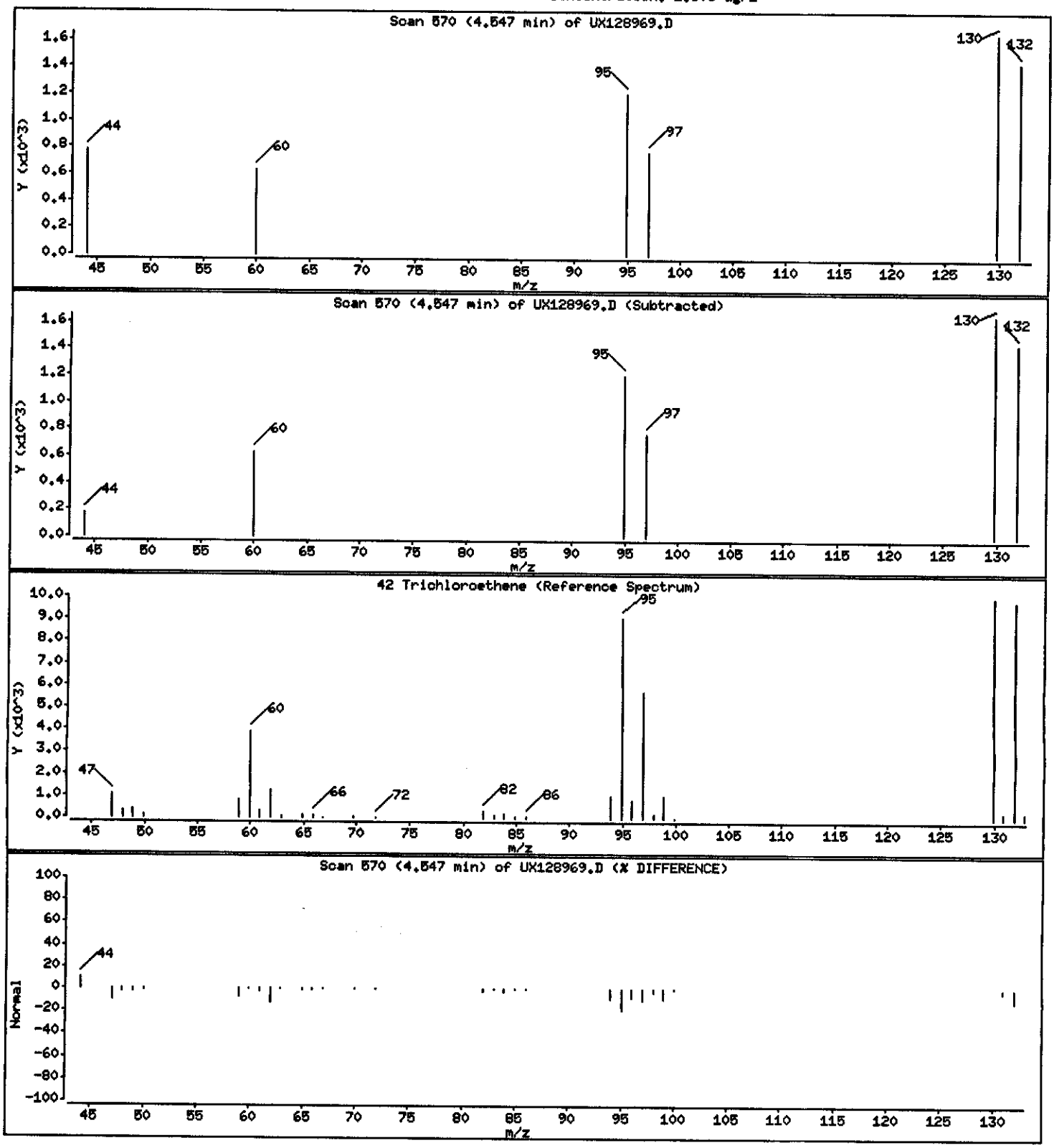
Client ID: DUP02L/081604 Instrument: a3ux12.i

Sample Info: GM9W41AA,0.4ML/5ML

Purge Volume: 0.4 Operator: 1903

Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 2.605 ug/L



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Date : 25-AUG-2004 02:51

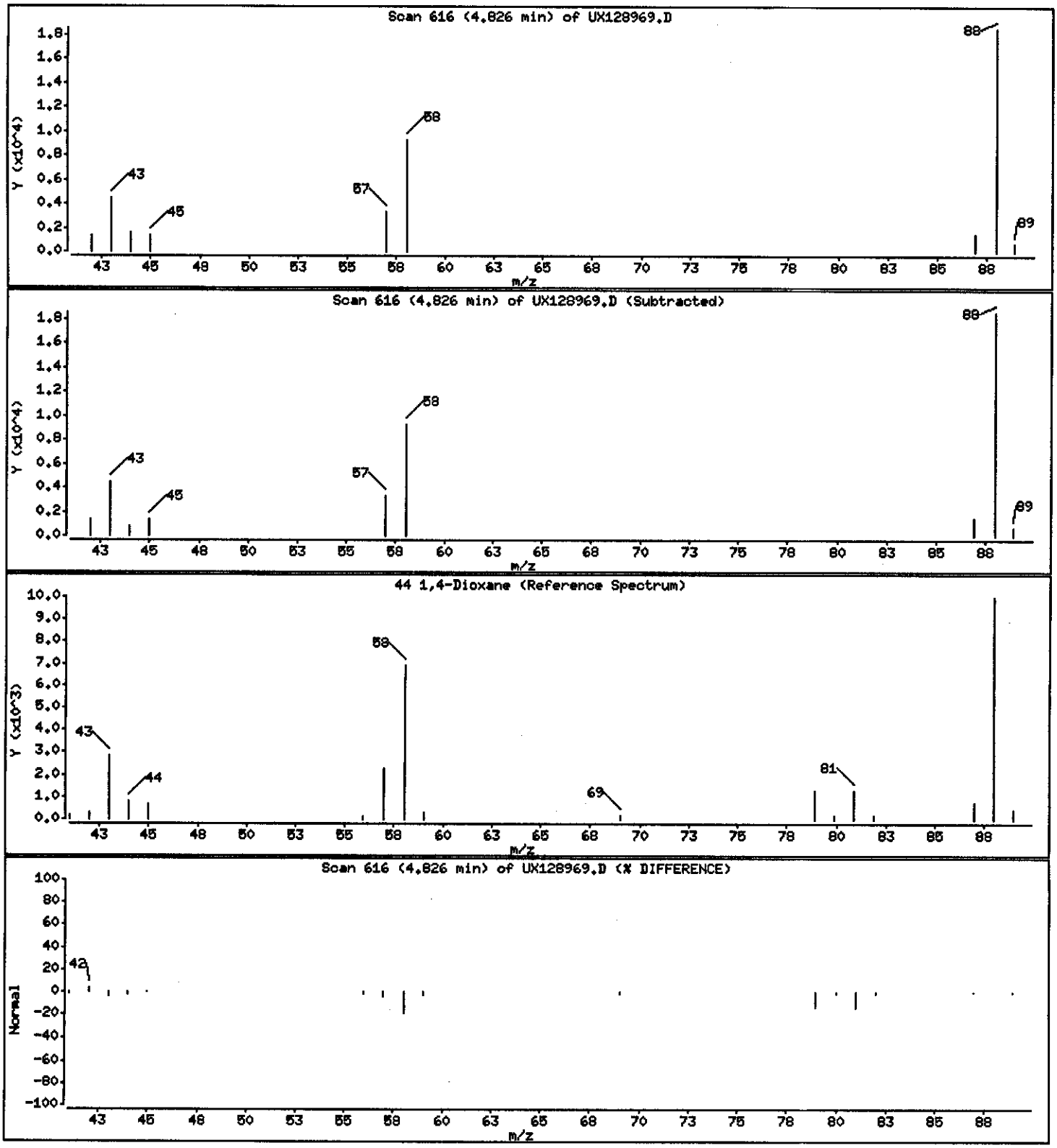
Client ID: DUP02L/081604 Instrument: a3ux12.i

Sample Info: GM9W41AA,0.4ML/5ML

Purge Volume: 0.4 Operator: 1903

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 6069.4 ug/L



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Date : 25-AUG-2004 02:51

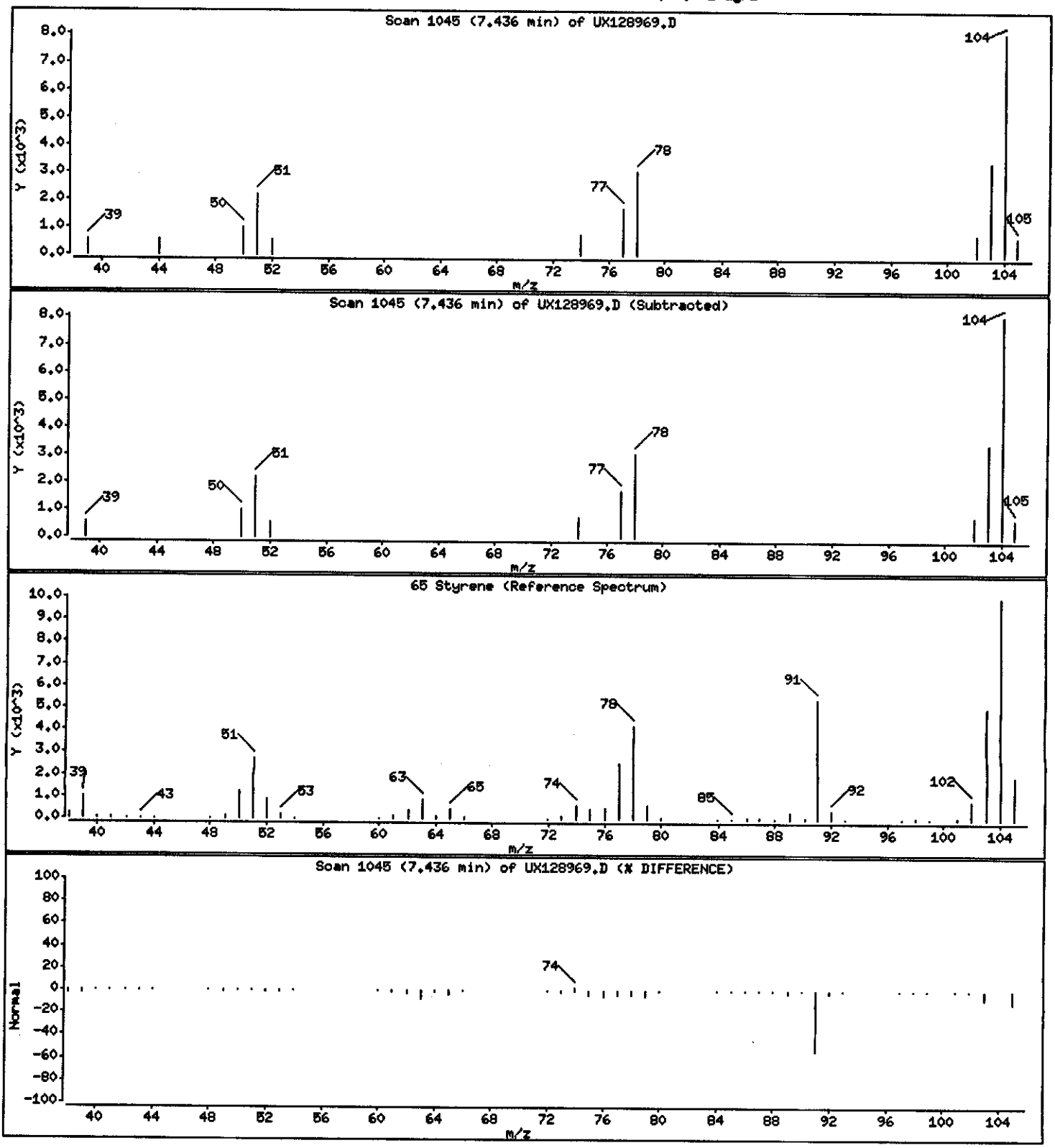
Client ID: DUP02L/081604 Instrument: a3ux12.i

Sample Info: GM9W41AA,0.4ML/5ML

Purge Volume: 0.4 Operator: 1903

Column phase: DB624 Column diameter: 0.18

65 Styrene Concentration: 3.461 ug/L



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Date : 25-AUG-2004 02:51

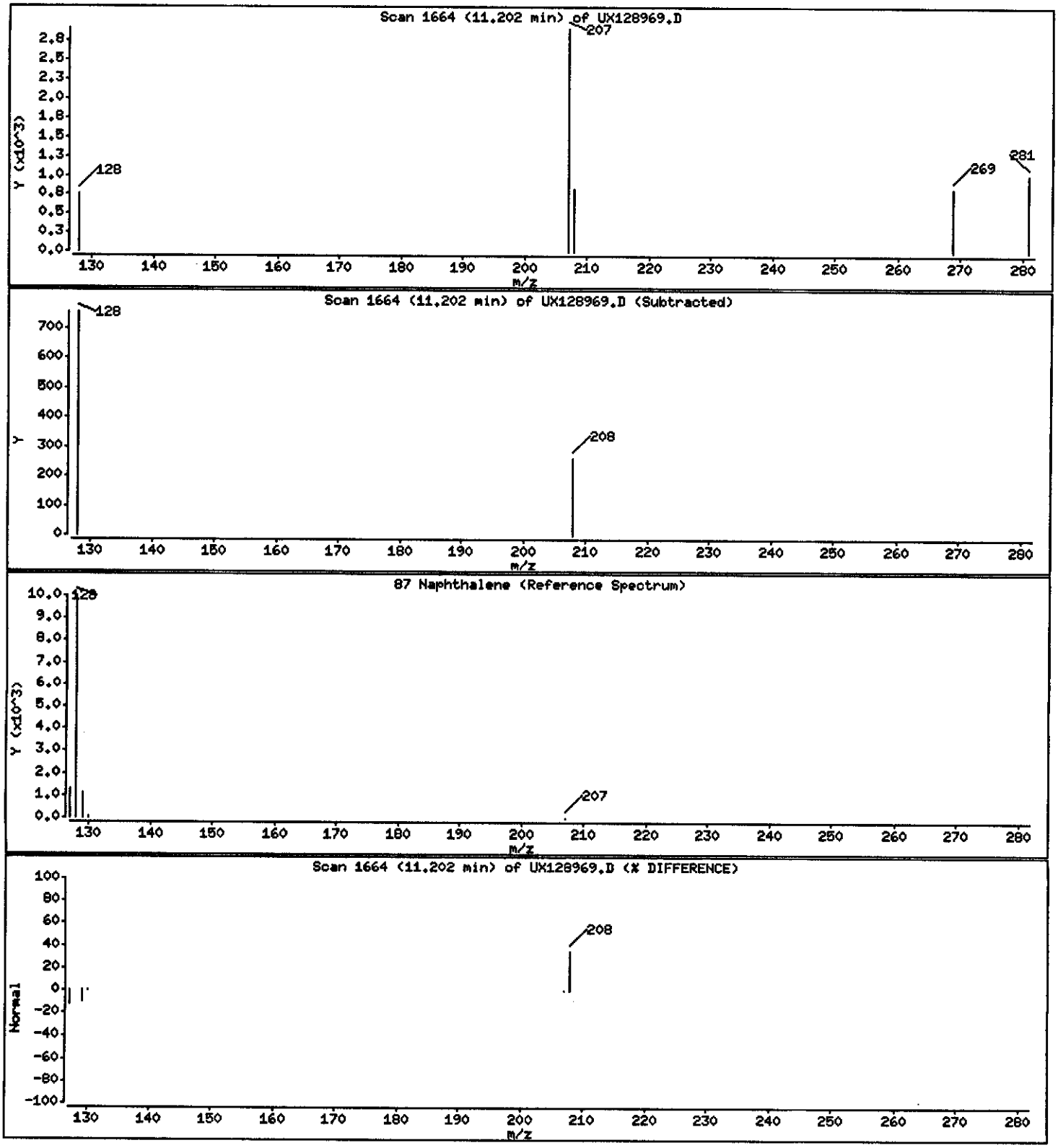
Client ID: DUP02L/081604 Instrument: a3ux12.i

Sample Info: CM9W41AA,0.4ML/5ML

Purge Volume: 0.4 Operator: 1903

Column phase: DB624 Column diameter: 0.18

87 Naphthalene Concentration: 10.697 ug/L



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Date : 25-AUG-2004 02:51

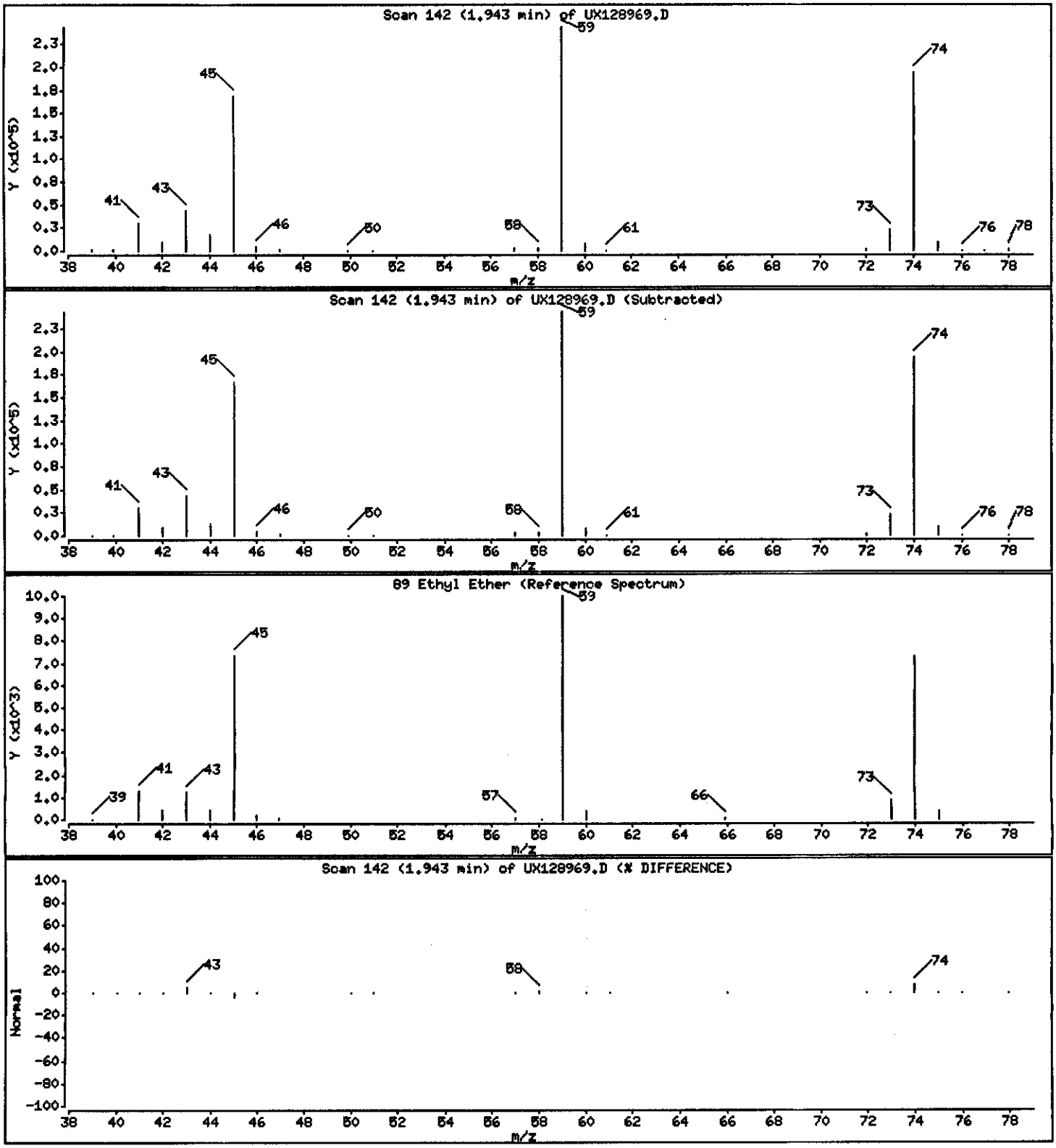
Client ID: DUP02L/081604 Instrument: a3ux12.i

Sample Info: GM9W41AA,0.4ML/5ML

Purge Volume: 0.4 Operator: 1903

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 1208.0 ug/L



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Date : 25-AUG-2004 02:51

Client ID: DUP02L/081604

Instrument: a3ux12.i

Sample Info: GM9W41AA,0.4ML/5ML

Purge Volume: 0.4

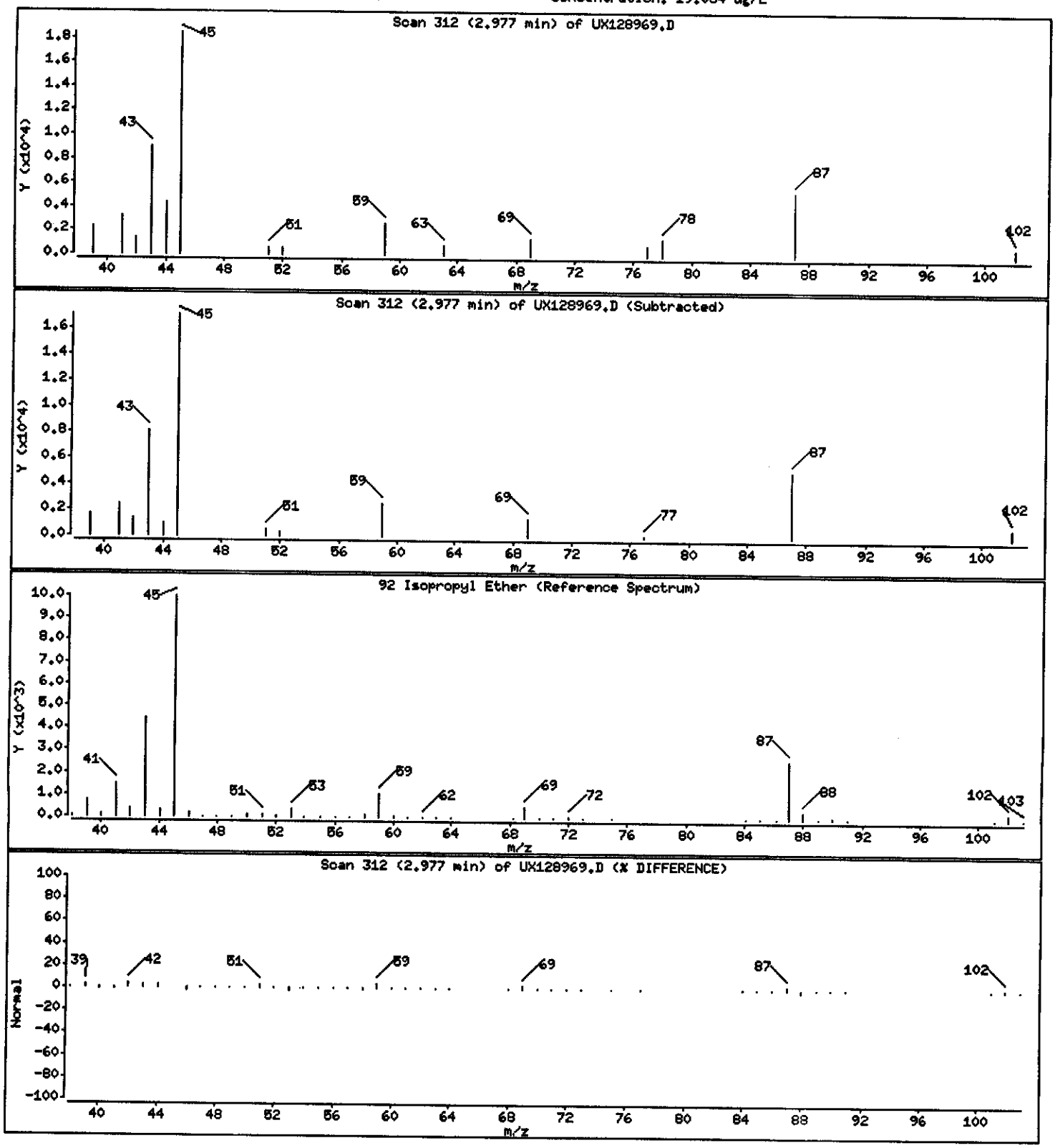
Operator: 1903

Column phase: DB624

Column diameter: 0.18

92 Isopropyl Ether

Concentration: 19.054 ug/L



PAYNE FIRM INC.

Client Sample ID: TB01/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-008 **Work Order #...:** GM9W91AA **Matrix.....:** WQ
Date Sampled...: 08/16/04 **Date Received..:** 08/17/04
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4238597
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	**0.39 J,B**	**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: TB01/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-008 **Work Order #...:** GM9W91AA **Matrix.....:** WQ

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	**0.26 J,B**	**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	98	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	88	(74 - 116)

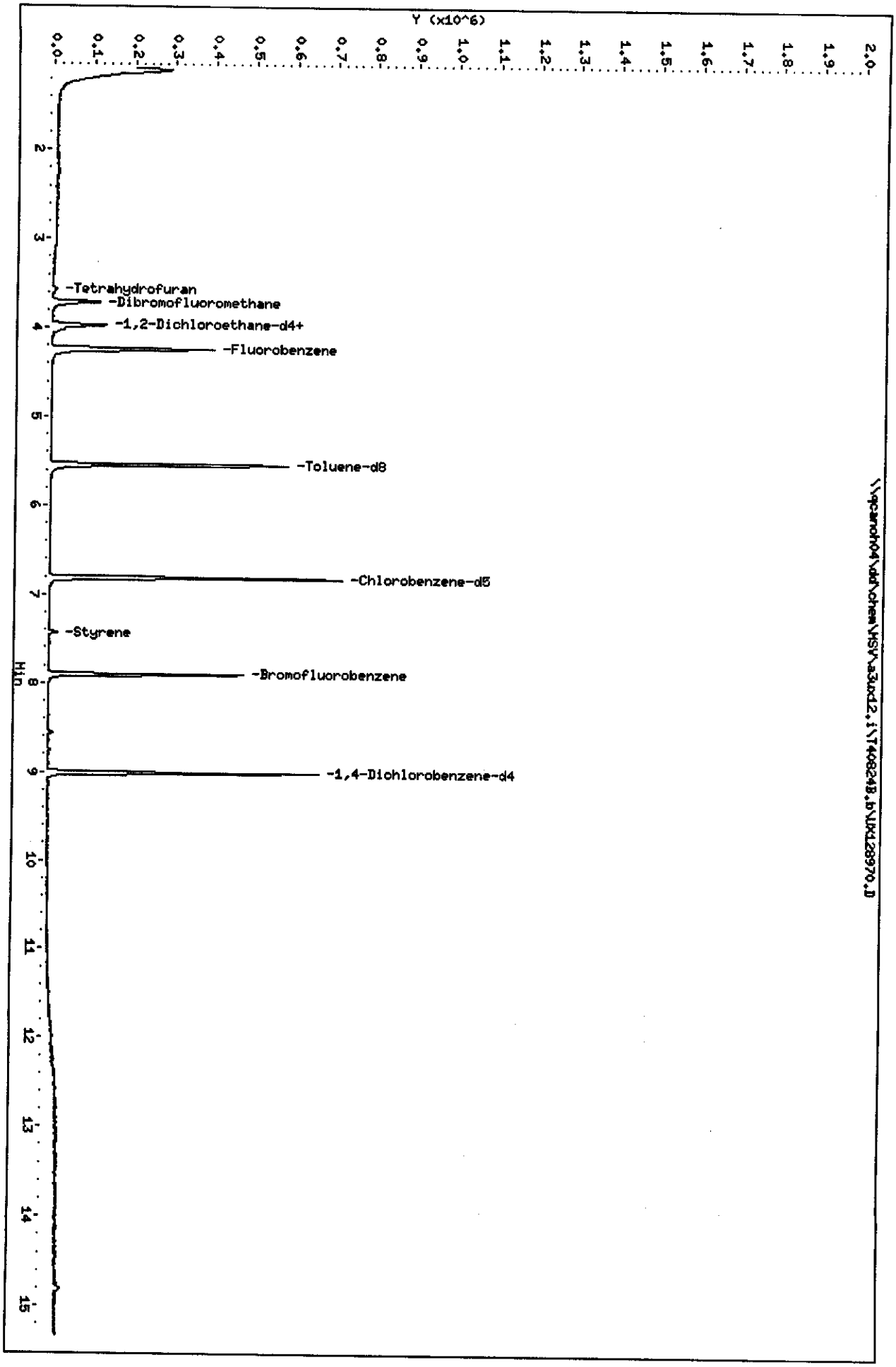
NOTE(S):

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\HSV\a3ux12.i\T408248.b\UX128970.D
Date : 25-AUG-2004 03:15
Client ID: TB01/081604
Sample Info: GH9491AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128970.D
Report Date: 25-Aug-2004 18:31

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128970.D
Lab Smp Id: GM9W91AA Client Smp ID: TB01/081604
Inj Date : 25-AUG-2004 03:15
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GM9W91AA,5ML/5ML
Misc Info : T40824B,8260LLUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 25-Aug-2004 18:24 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

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	4.242	4.242	(1.000)	446964	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	421213	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.012	9.011	(1.000)	182506	50.0000	
$ 4 Dibromofluoromethane	113	3.713	3.713	(0.875)	92365	49.1253	9.825
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	115100	48.6183	9.724
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	417643	48.1207	9.624
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	160488	44.1430	8.828
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\a3ux12.i\T40824B.b\UX128970.D
Report Date: 25-Aug-2004 18:31

	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	57	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	3.567	3.567	(0.841)	7624	8.15165	1.630
	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	4.029	4.023	(0.950)	19516	1.96740	0.3935
	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	7.430	7.436	(1.090)	11619	1.31882	0.2638
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128970.D
Report Date: 25-Aug-2004 18:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
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: \\qoanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128970.D

Date : 25-AUG-2004 03:15

Client ID: TB01/081604

Instrument: a3ux12.i

Sample Info: GM9W91AA,5ML/5ML

Purge Volume: 5.0

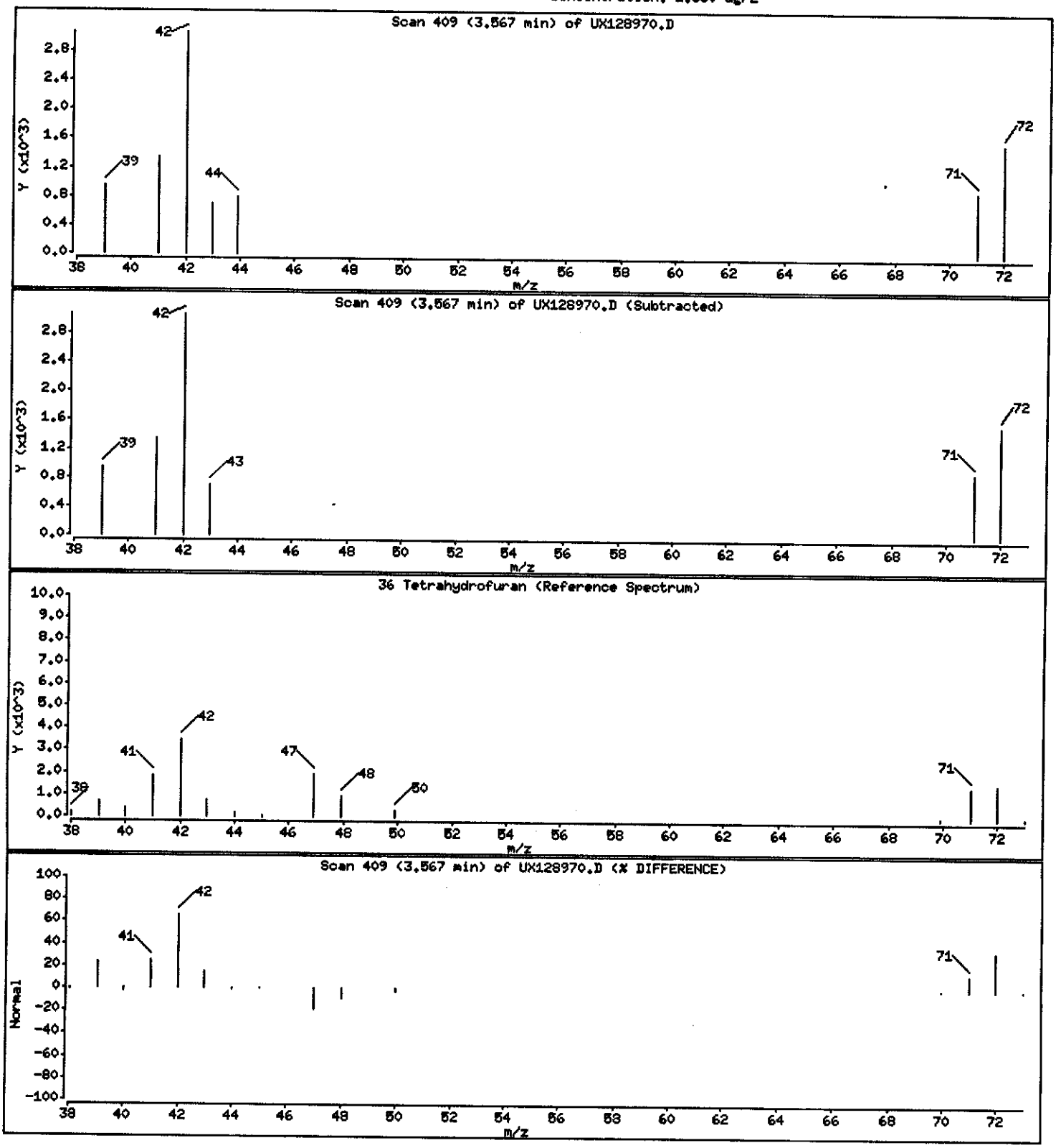
Operator: 1903

Column phase: DB624

Column diameter: 0.18

36 Tetrahydrofuran

Concentration: 1.630 ug/L



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Date : 25-AUG-2004 03:15

Client ID: TB01/081604

Instrument: a3ux12.i

Sample Info: GM9W91AA,5ML/5ML

Purge Volume: 5.0

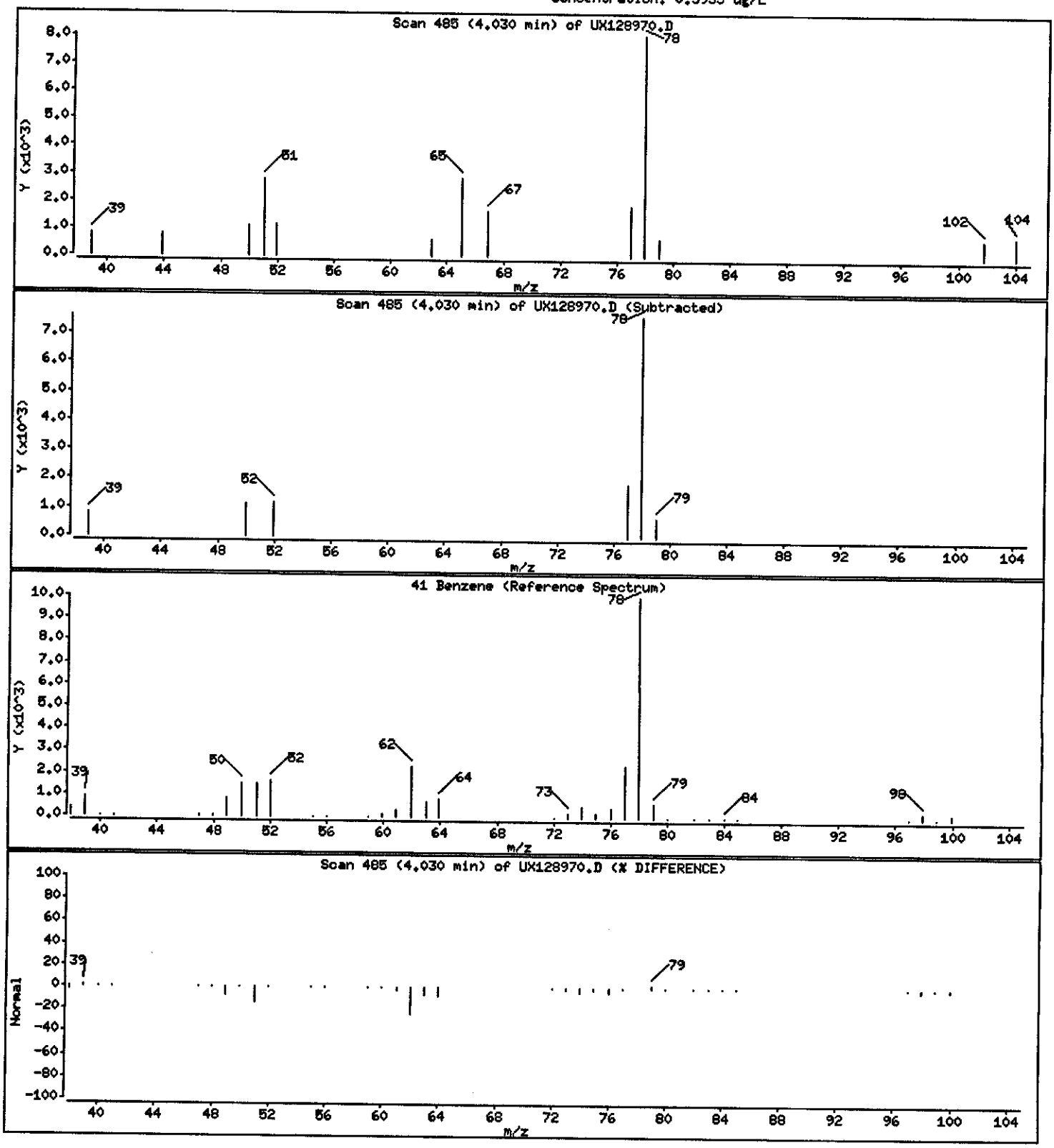
Operator: 1903

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 0.3935 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128970.D

Date : 25-AUG-2004 03:15

Client ID: TB01/081604

Instrument: a3ux12.i

Sample Info: GM9W91AA,5ML/5ML

Purge Volume: 5.0

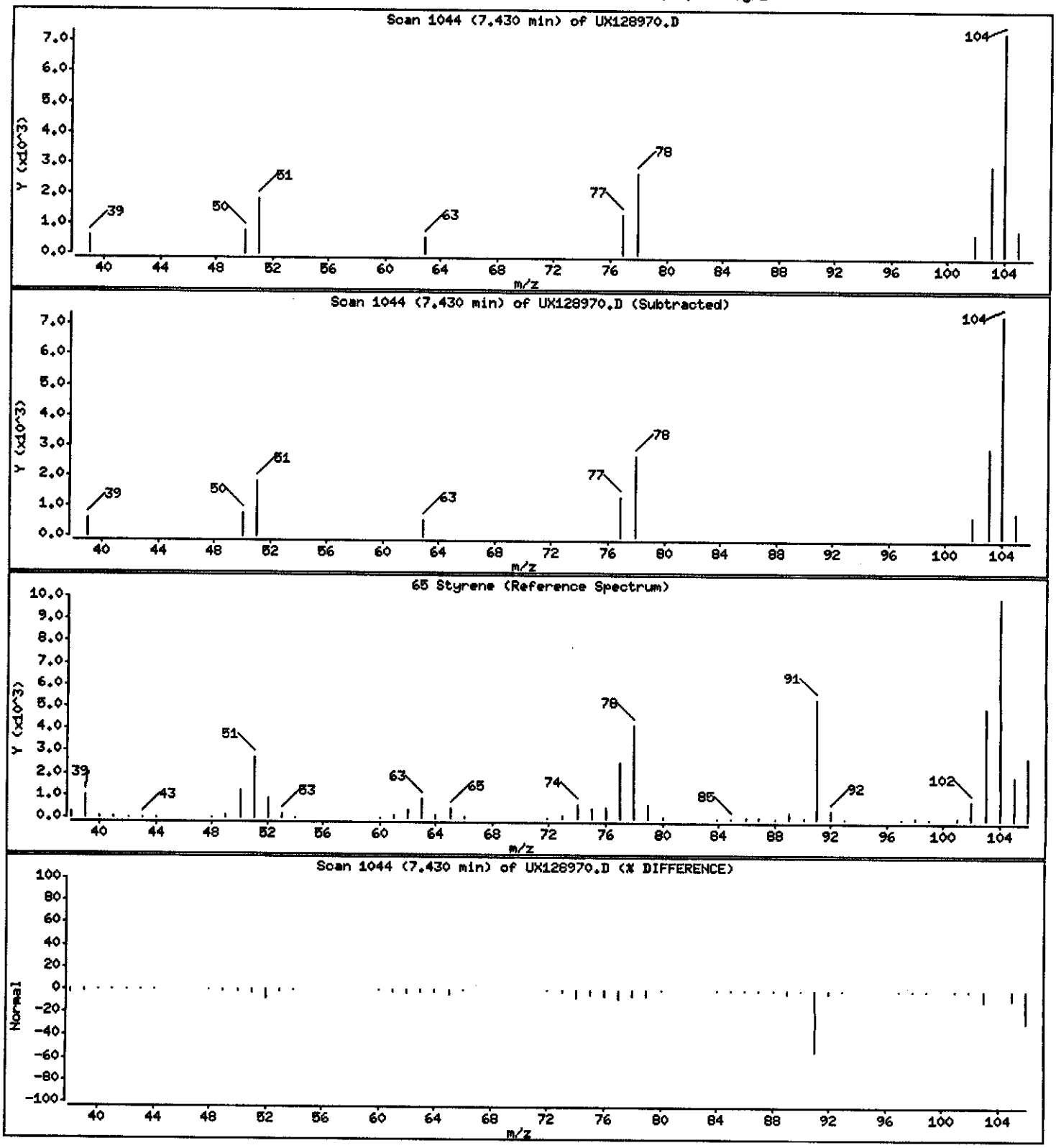
Operator: 1903

Column phase: DB624

Column diameter: 0.18

65 Styrene

Concentration: 0.2638 ug/L



PAYNE FIRM INC.

Client Sample ID: MW505A/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-009 **Work Order #...:** GM9XA1AA **Matrix.....:** WG
Date Sampled...: 08/16/04 14:03 **Date Received..:** 08/17/04
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4238597
Dilution Factor: 12.5 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	120	ug/L
Acetonitrile	ND	250	ug/L
Acrolein	ND	250	ug/L
Acrylonitrile	ND	250	ug/L
Benzene	**11 J,B**	**12**	**ug/L**
Bromodichloromethane	ND	12	ug/L
Bromoform	ND	12	ug/L
Bromomethane	ND	12	ug/L
2-Butanone	ND	120	ug/L
Carbon disulfide	ND	12	ug/L
Carbon tetrachloride	ND	12	ug/L
Chlorobenzene	ND	12	ug/L
Chloroprene	ND	25	ug/L
Dibromochloromethane	ND	12	ug/L
Chloroethane	ND	12	ug/L
Chloroform	ND	12	ug/L
Chloromethane	ND	12	ug/L
3-Chloropropene	ND	25	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	ug/L
1,2-Dibromoethane	ND	12	ug/L
Dibromomethane	ND	12	ug/L
trans-1,4-Dichloro-2-butene	ND	12	ug/L
1,1-Dichloroethane	**6.9 J**	**12**	**ug/L**
1,2-Dichloroethane	**140**	**12**	**ug/L**
cis-1,2-Dichloroethene	**300**	**12**	**ug/L**
trans-1,2-Dichloroethene	**52**	**12**	**ug/L**
1,1-Dichloroethene	ND	12	ug/L
1,2-Dichloroethene (total)	**350**	**25**	**ug/L**
Dichlorofluoromethane	ND	25	ug/L
1,2-Dichloropropane	ND	12	ug/L
cis-1,3-Dichloropropene	ND	12	ug/L
trans-1,3-Dichloropropene	ND	12	ug/L
1,4-Dioxane	**5600**	**620**	**ug/L**
Ethylbenzene	ND	12	ug/L
Ethyl methacrylate	ND	12	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW505A/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-009 Work Order #...: GM9XA1AA Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	120	ug/L
Iodomethane	ND	12	ug/L
Isobutanol	ND	620	ug/L
Methacrylonitrile	ND	25	ug/L
Methylene chloride	**25 B**	**12**	**ug/L**
Methyl methacrylate	ND	25	ug/L
4-Methyl-2-pentanone	ND	120	ug/L
Propionitrile	ND	50	ug/L
Styrene	**3.3 J,B**	**12**	**ug/L**
1,1,1,2-Tetrachloroethane	ND	12	ug/L
1,1,2,2-Tetrachloroethane	ND	12	ug/L
Tetrachloroethene	ND	12	ug/L
Toluene	ND	12	ug/L
1,1,1-Trichloroethane	ND	12	ug/L
1,1,2-Trichloroethane	ND	12	ug/L
Trichloroethene	ND	12	ug/L
Trichlorofluoromethane	ND	12	ug/L
1,2,3-Trichloropropane	ND	12	ug/L
Vinyl acetate	ND	25	ug/L
Vinyl chloride	**110**	**12**	**ug/L**
Xylenes (total)	ND	25	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

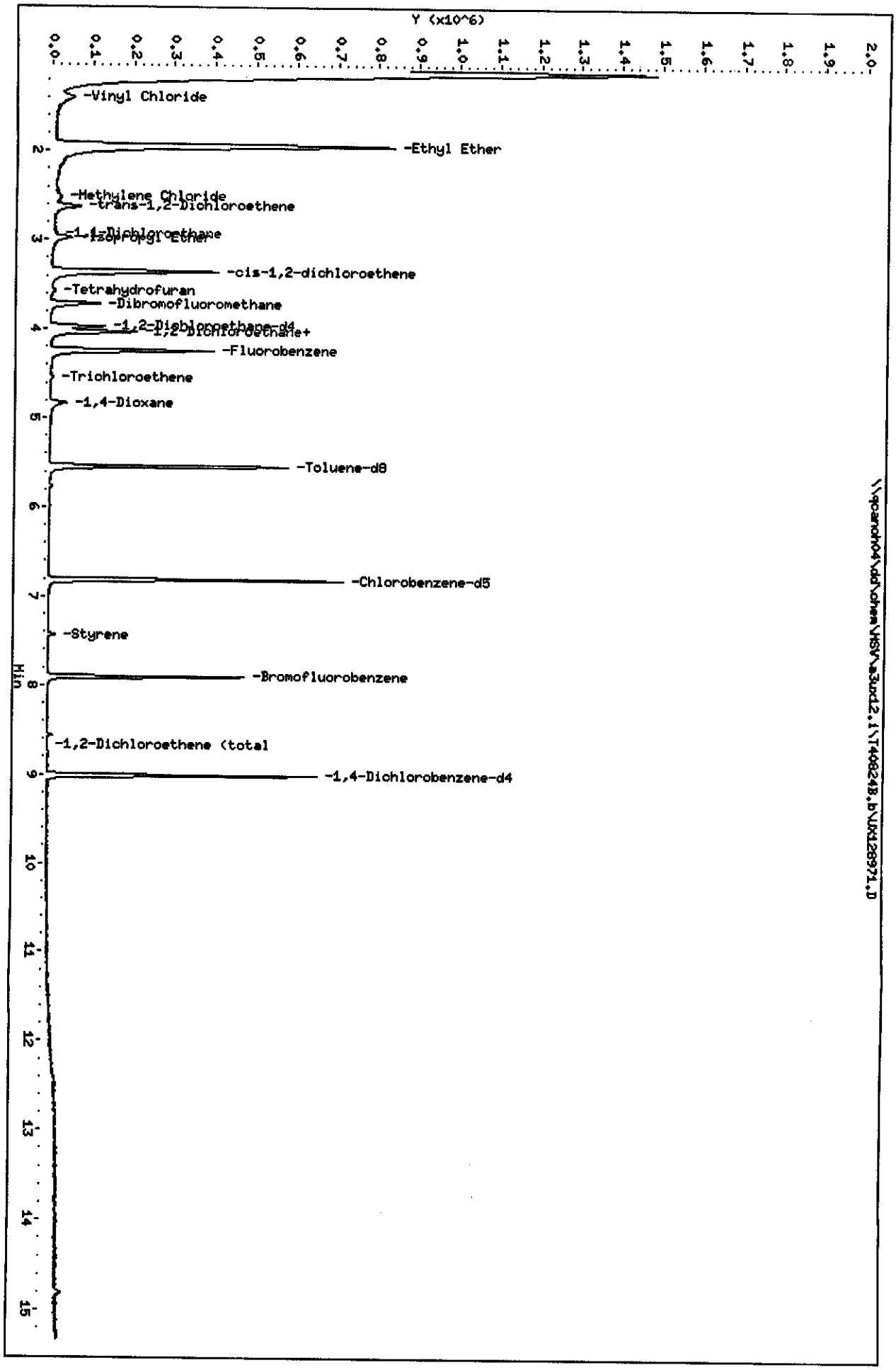
NOTE(S):

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: \\qcanon04\dd\chem\MSV\a3ux12.i\T408248.b\UX128971.D
Date : 25-AUG-2004 03:39
Client ID: MW505A/081604
Sample Info: GM9XX16A0,0.4ML/5ML
Purge Volume: 0.4
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128971.D
Report Date: 25-Aug-2004 18:31

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128971.D
Lab Smp Id: GM9XA1AA Client Smp ID: MW505A/081604
Inj Date : 25-AUG-2004 03:39
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GM9XA1AA,0.4ML/5ML
Misc Info : T40824B,8260LLUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 25-Aug-2004 18:24 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.400	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.242	4.242	(1.000)	436655	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	418746	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.011	9.011	(1.000)	181653	50.0000	
$ 4 Dibromofluoromethane	113	3.719	3.713	(0.877)	96614	52.5984	131.50
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	125298	54.1755	135.44
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	421932	48.9013	122.25
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	164241	45.4414	113.60
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.407	1.395	(0.332)	130518	42.3727	105.93
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\a3ux12.i\T40824B.b\UX128971.D
Report Date: 25-Aug-2004 18:31

	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	2.514	2.526	(0.593)	25331	10.1712	25.428
	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	2.630	2.624	(0.620)	45405	20.6098	51.524
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	2.922	2.922	(0.689)	10025	2.77726	6.943
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				322640	139.745	349.36
	32 cis-1,2-dichloroethene	96	3.354	3.354	(0.791)	277235	119.135	297.84
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	3.579	3.567	(0.844)	8757	9.93881	24.847
	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	4.035	4.035	(0.951)	167928	57.2374	143.09
	41 Benzene	78	4.029	4.023	(0.950)	43151	4.45275	11.132
	42 Trichloroethene	130	4.540	4.540	(1.070)	2982	1.18769	2.969
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	4.826	4.826	(1.138)	55802	2254.03	5635.1(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	7.436	7.436	(1.091)	11654	1.33059	3.326
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128971.D
Report Date: 25-Aug-2004 18:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
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	1.942	1.942	(0.458)	986304	541.271	1353.2(A)
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	2.970	2.977	(0.700)	15277	7.99144	19.978
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\MSV\a3ux12.i\T40824B.b\UX128971.D

Date : 25-AUG-2004 03:39

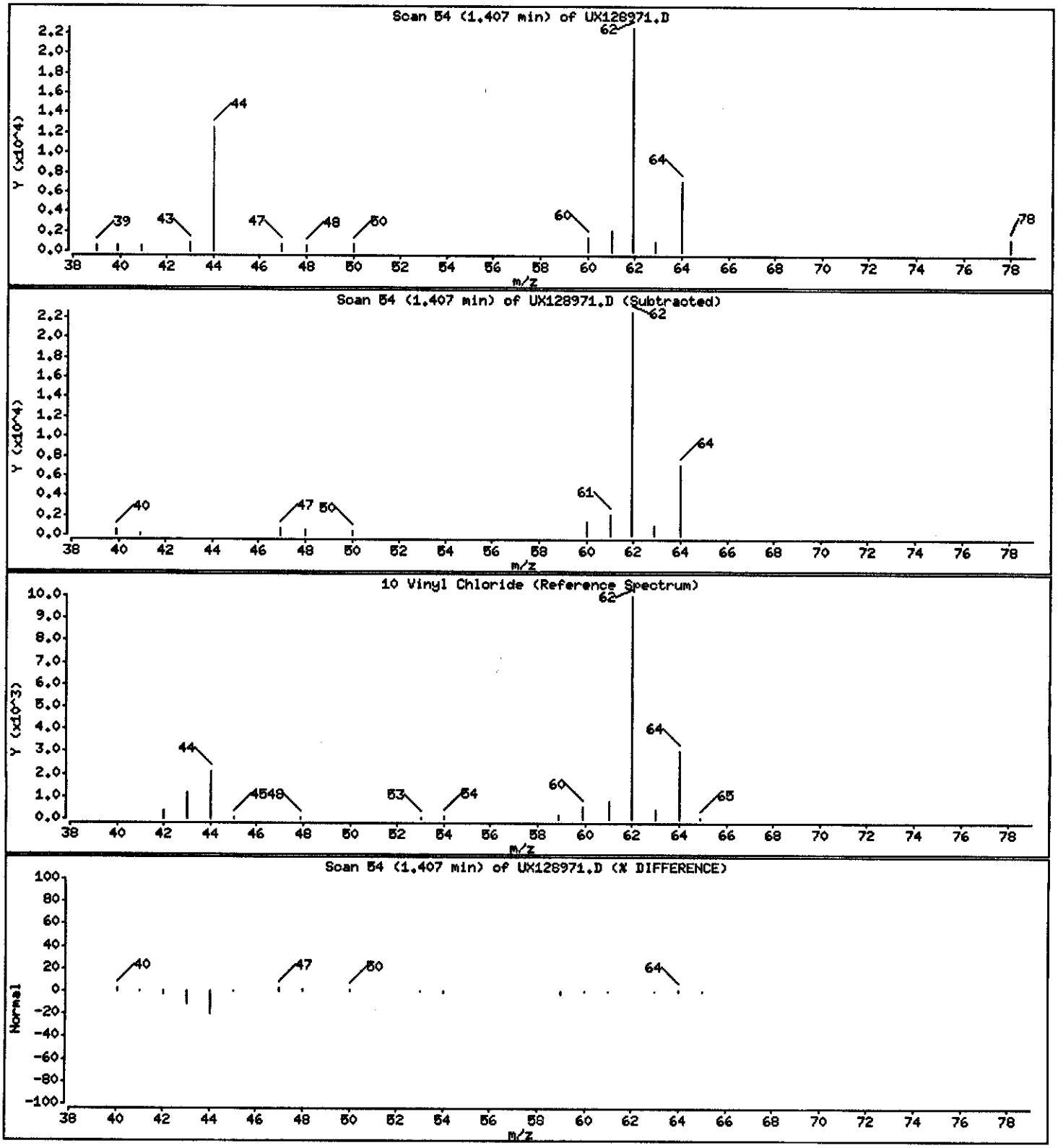
Client ID: MW505A/081604 Instrument: a3ux12.i

Sample Info: GM9XA1AA,0.4ML/5ML

Purge Volume: 0.4 Operator: 1903

Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 105.93 ug/L



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Date : 25-AUG-2004 03:39

Client ID: MW505A/081604

Instrument: a3ux12.i

Sample Info: GM9XA1AA,0.4ML/5ML

Purge Volume: 0.4

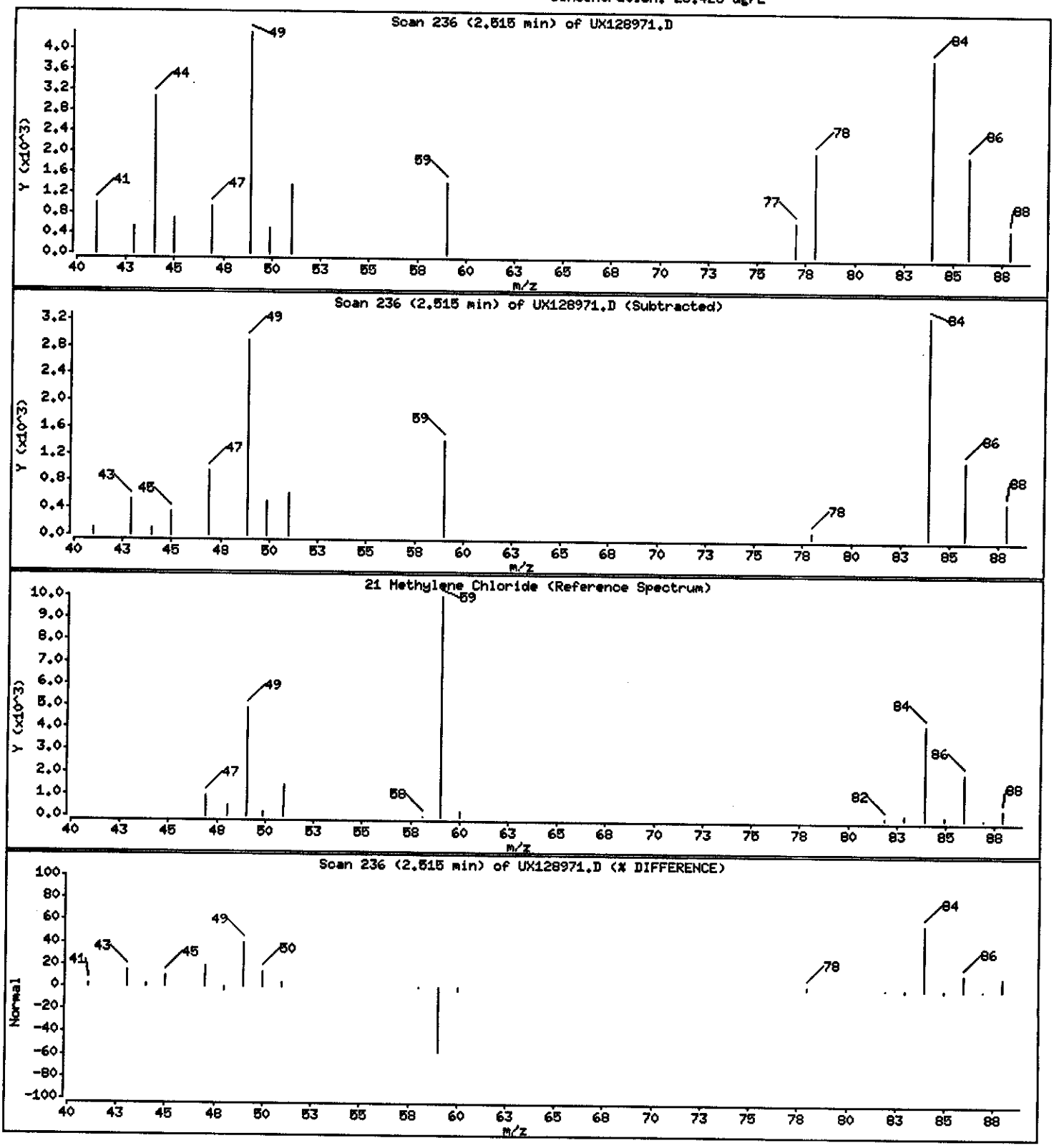
Operator: 1903

Column phase: DB624

Column diameter: 0.18

21 Methylene Chloride

Concentration: 25.428 ug/L



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Date : 25-AUG-2004 03:39

Client ID: MW505A/081604

Instrument: a3ux12.i

Sample Info: GM9XA1AA,0.4ML/5ML

Purge Volume: 0.4

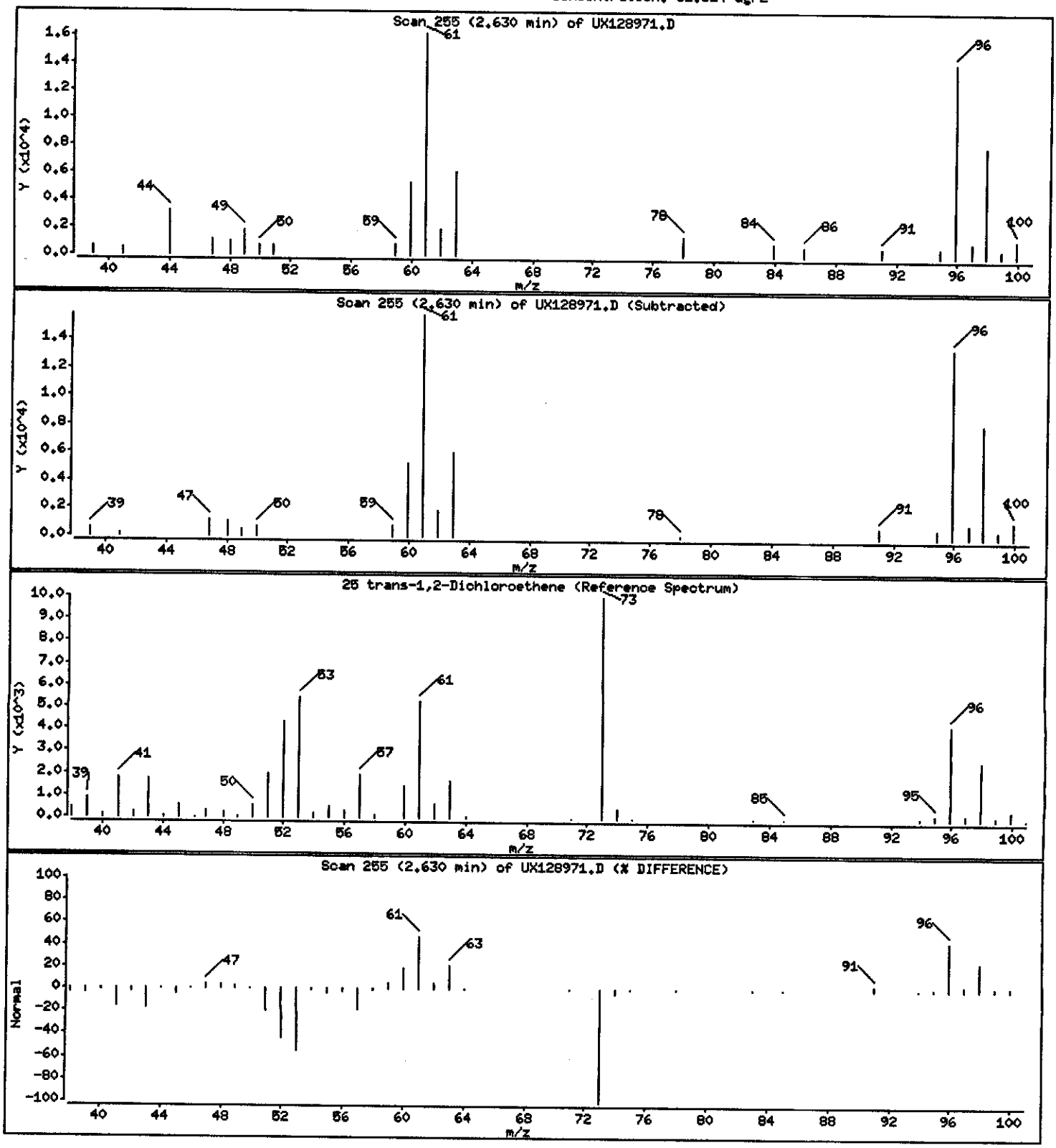
Operator: 1903

Column phase: DB624

Column diameter: 0.18

25 trans-1,2-Dichloroethene

Concentration: 51.524 ug/L



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Date : 25-AUG-2004 03:39

Client ID: MW505A/081604

Instrument: a3ux12.i

Sample Info: GM9XA1AA,0.4ML/5ML

Purge Volume: 0.4

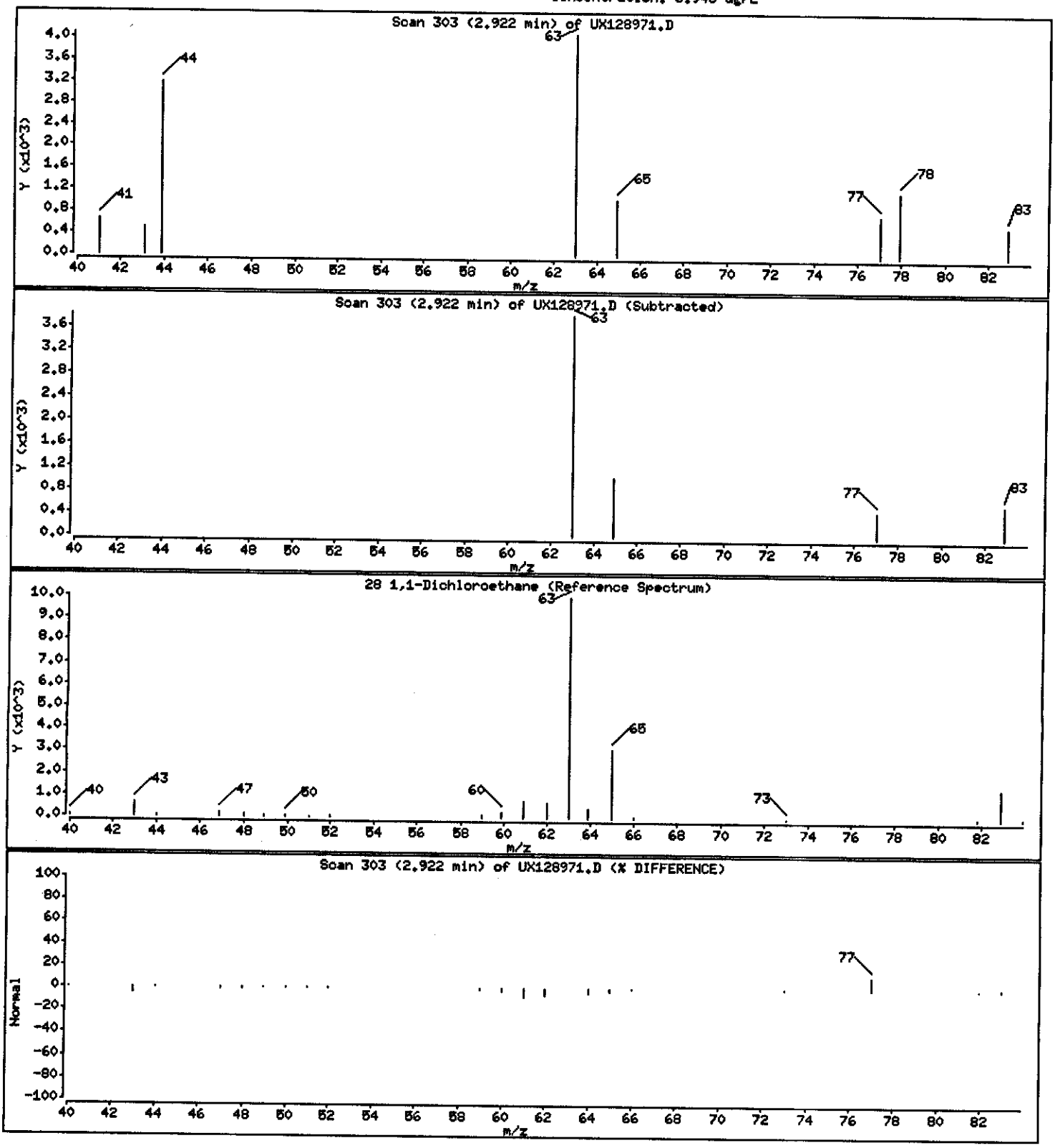
Operator: 1903

Column phase: DB624

Column diameter: 0.18

28 1,1-Dichloroethane

Concentration: 6.943 ug/L



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Date : 25-AUG-2004 03:39

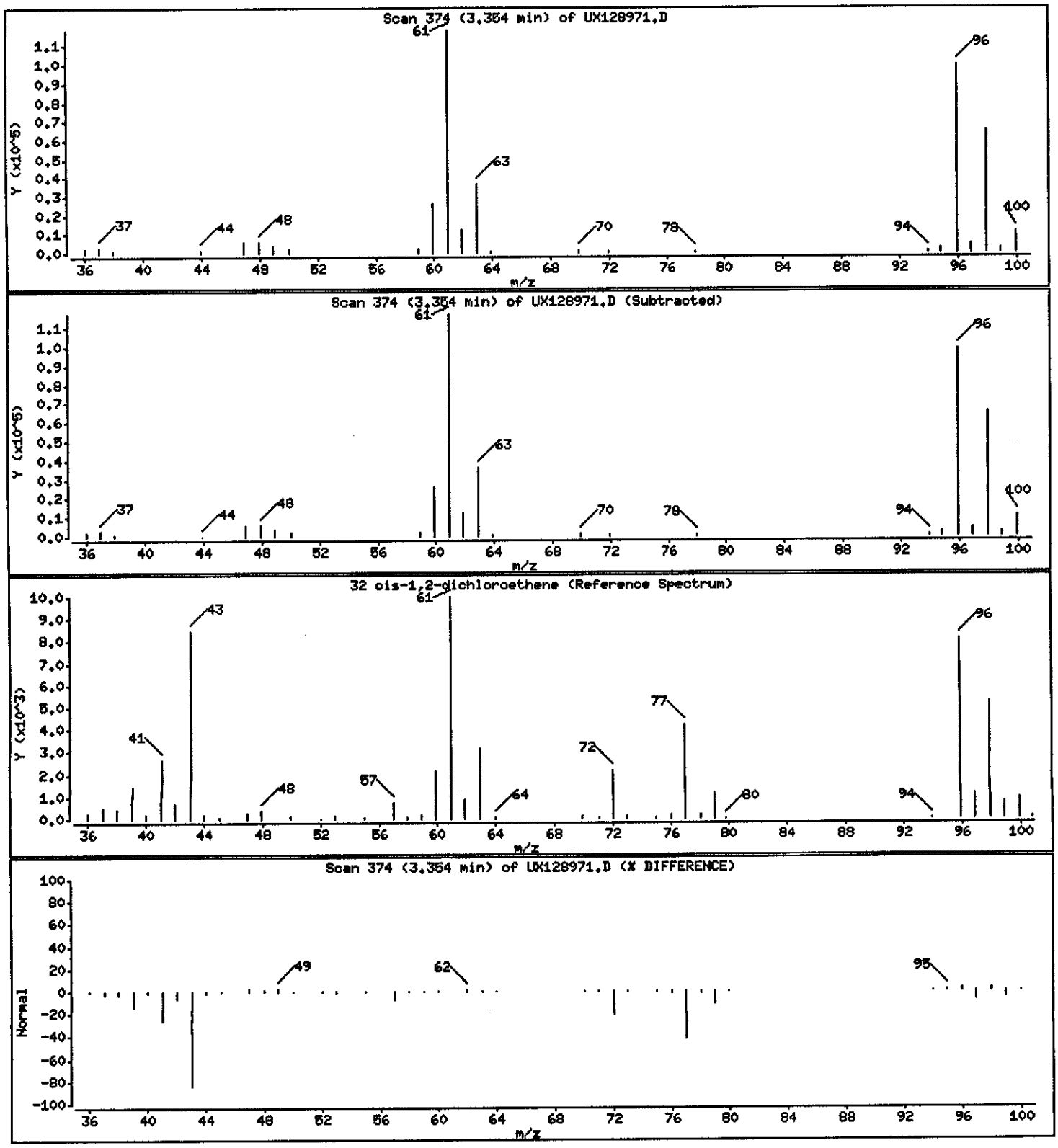
Client ID: MW505A/081604 Instrument: a3ux12.i

Sample Info: GM9XA1AA,0.4ML/5ML

Purge Volume: 0.4 Operator: 1903

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 297.84 ug/L



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Date : 25-AUG-2004 03:39

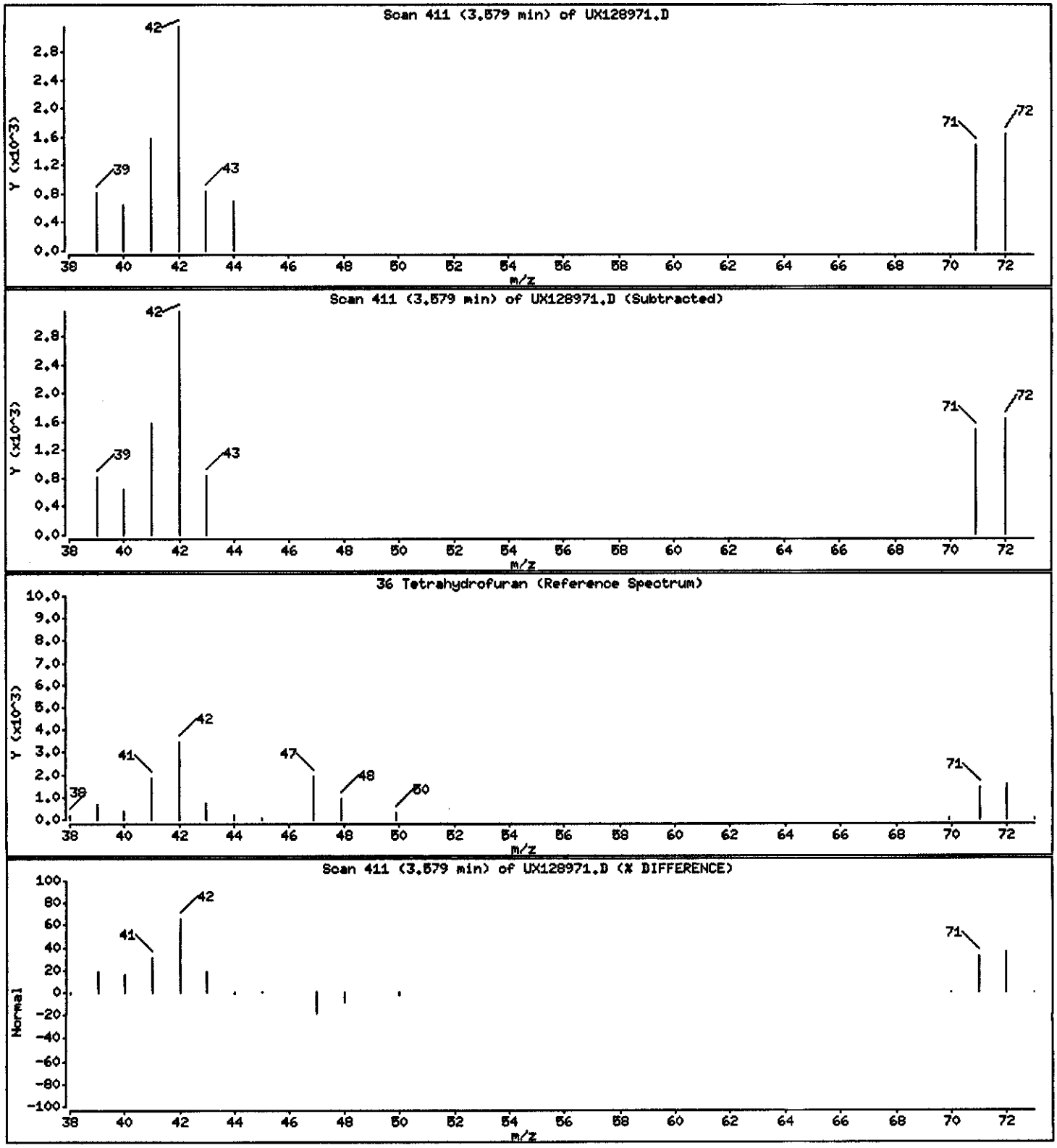
Client ID: MW505A/081604 Instrument: a3ux12.i

Sample Info: GM9XA1AA,0.4ML/5ML

Purge Volume: 0.4 Operator: 1903

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 24.847 ug/L



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Date : 25-AUG-2004 03:39

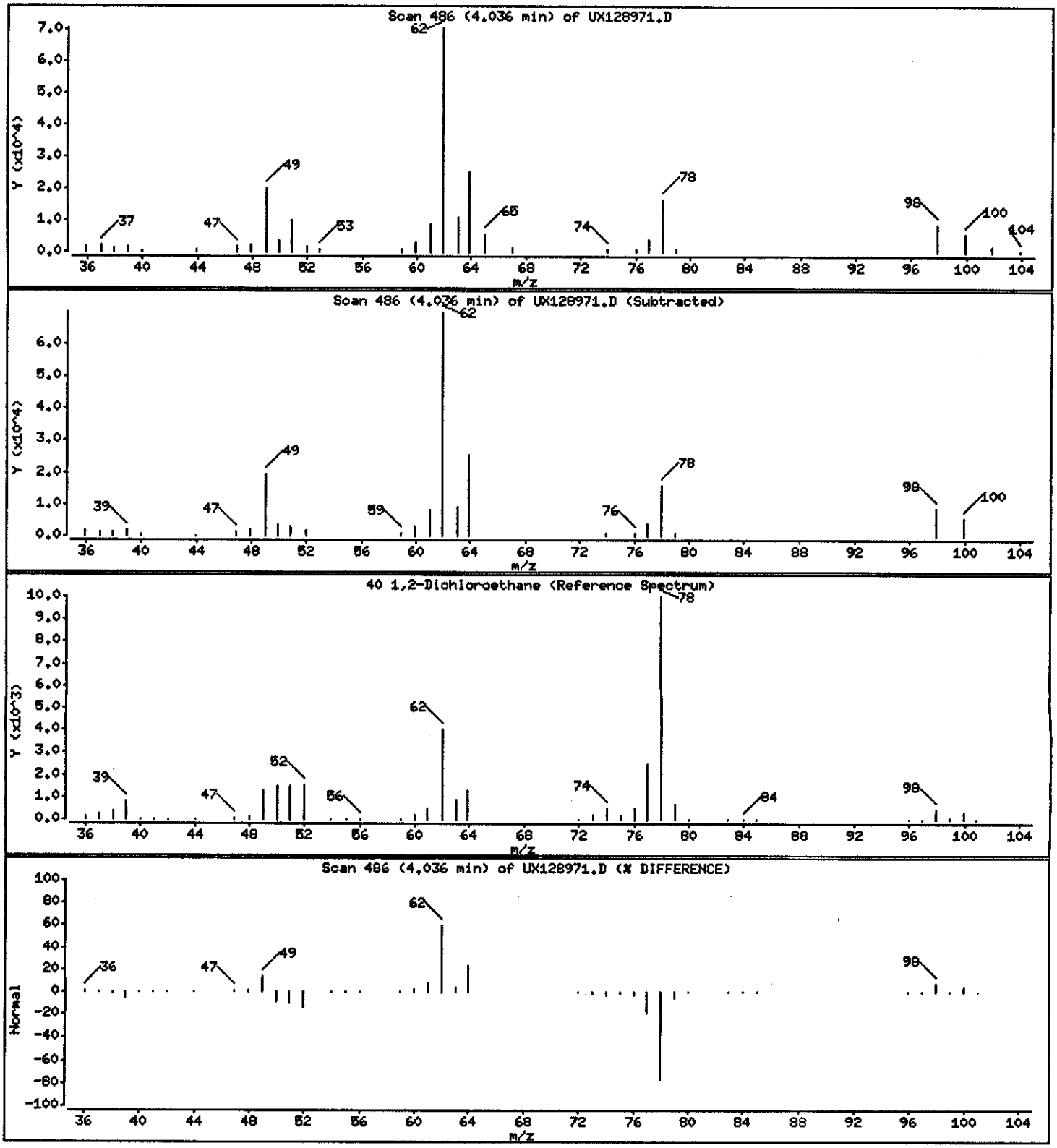
Client ID: MW505A/081604 Instrument: a3ux12.i

Sample Info: GM9XA1AA,0.4ML/5ML

Purge Volume: 0.4 Operator: 1903

Column phase: DB624 Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 143.09 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128971.D

Date : 26-AUG-2004 03:39

Client ID: MW505A/081604

Instrument: a3ux12.i

Sample Info: GM9XA1AA,0.4ML/5ML

Purge Volume: 0.4

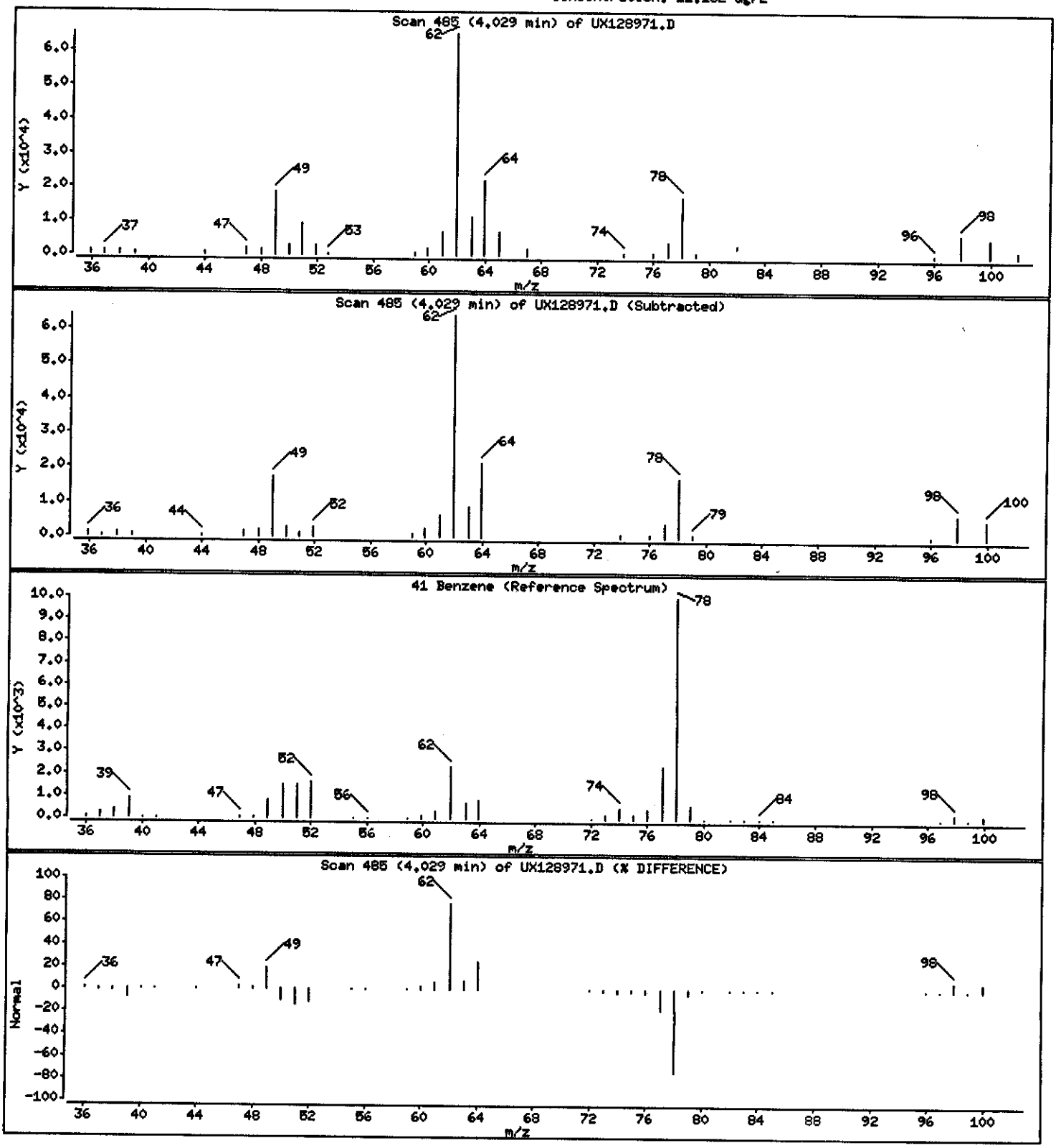
Operator: 1903

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 11.132 ug/L



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Date : 25-AUG-2004 03:39

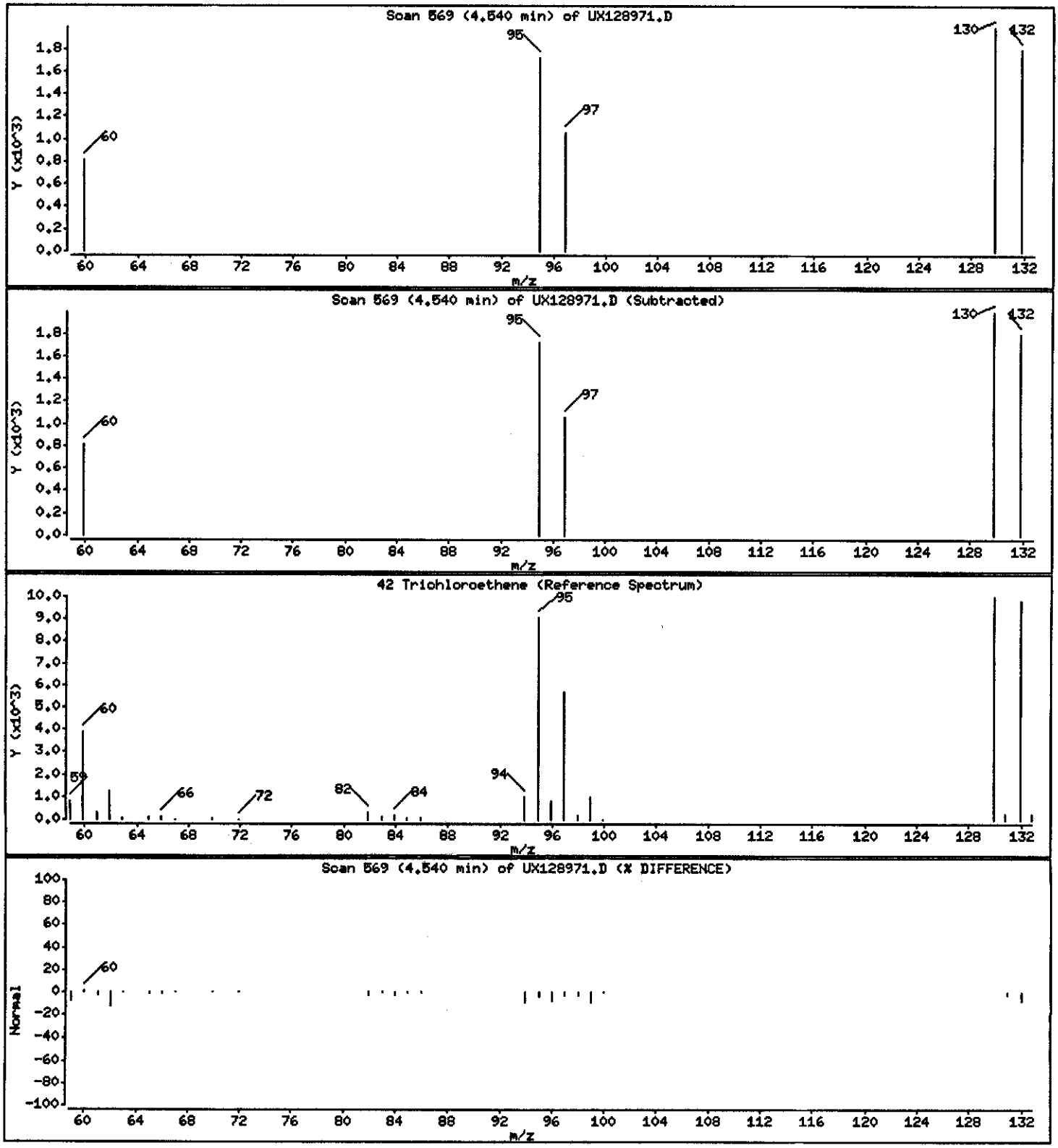
Client ID: MW505A/081604 Instrument: a3ux12.i

Sample Info: GM9XA1AA,0.4ML/5ML

Purge Volume: 0.4 Operator: 1903

Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 2.969 ug/L



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Date : 25-AUG-2004 03:39

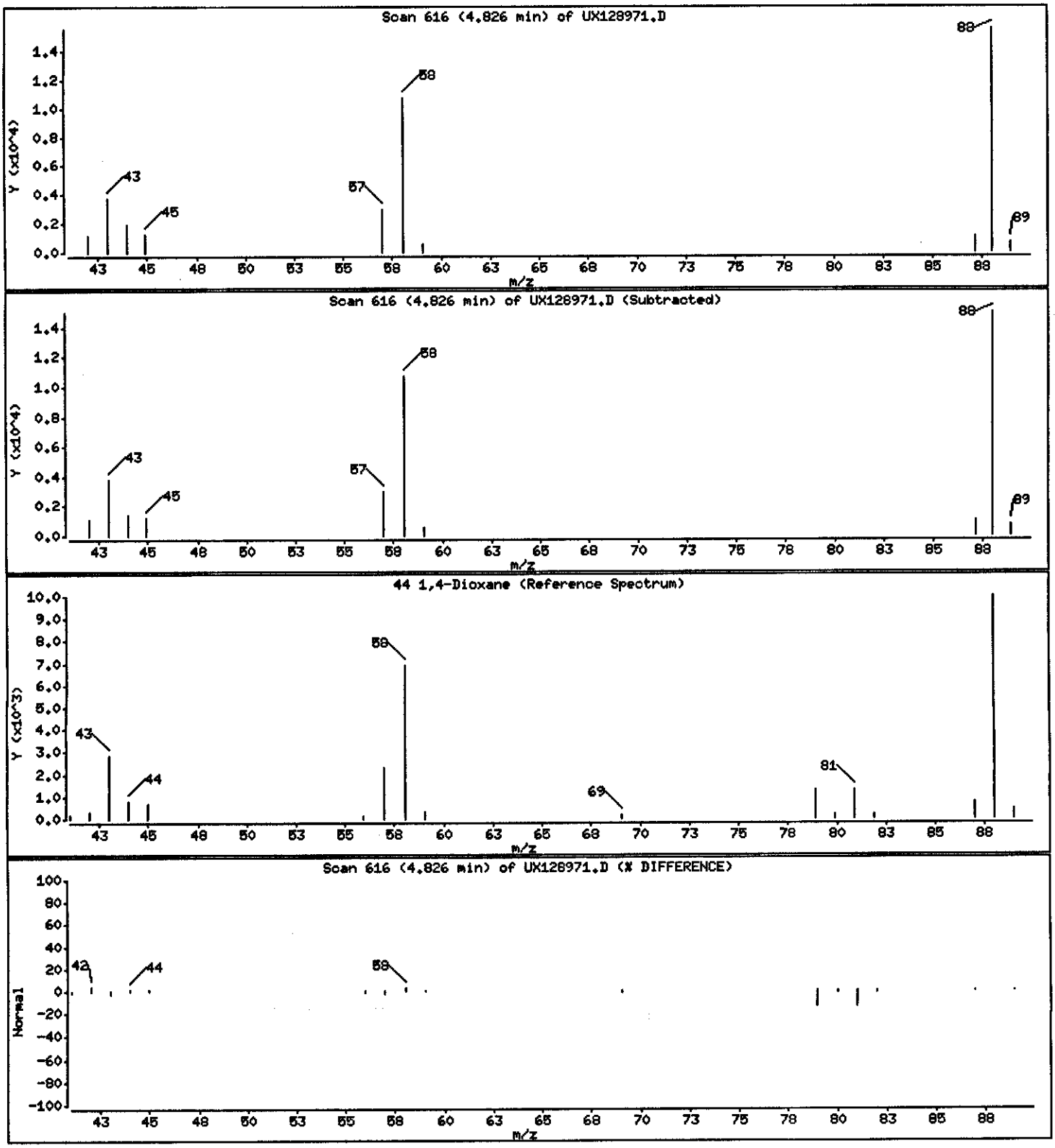
Client ID: MW505A/081604 Instrument: a3ux12.i

Sample Info: GM9XA1AA,0.4ML/5ML

Purge Volume: 0.4 Operator: 1903

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 5635.1 ug/L



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Date : 25-AUG-2004 03:39

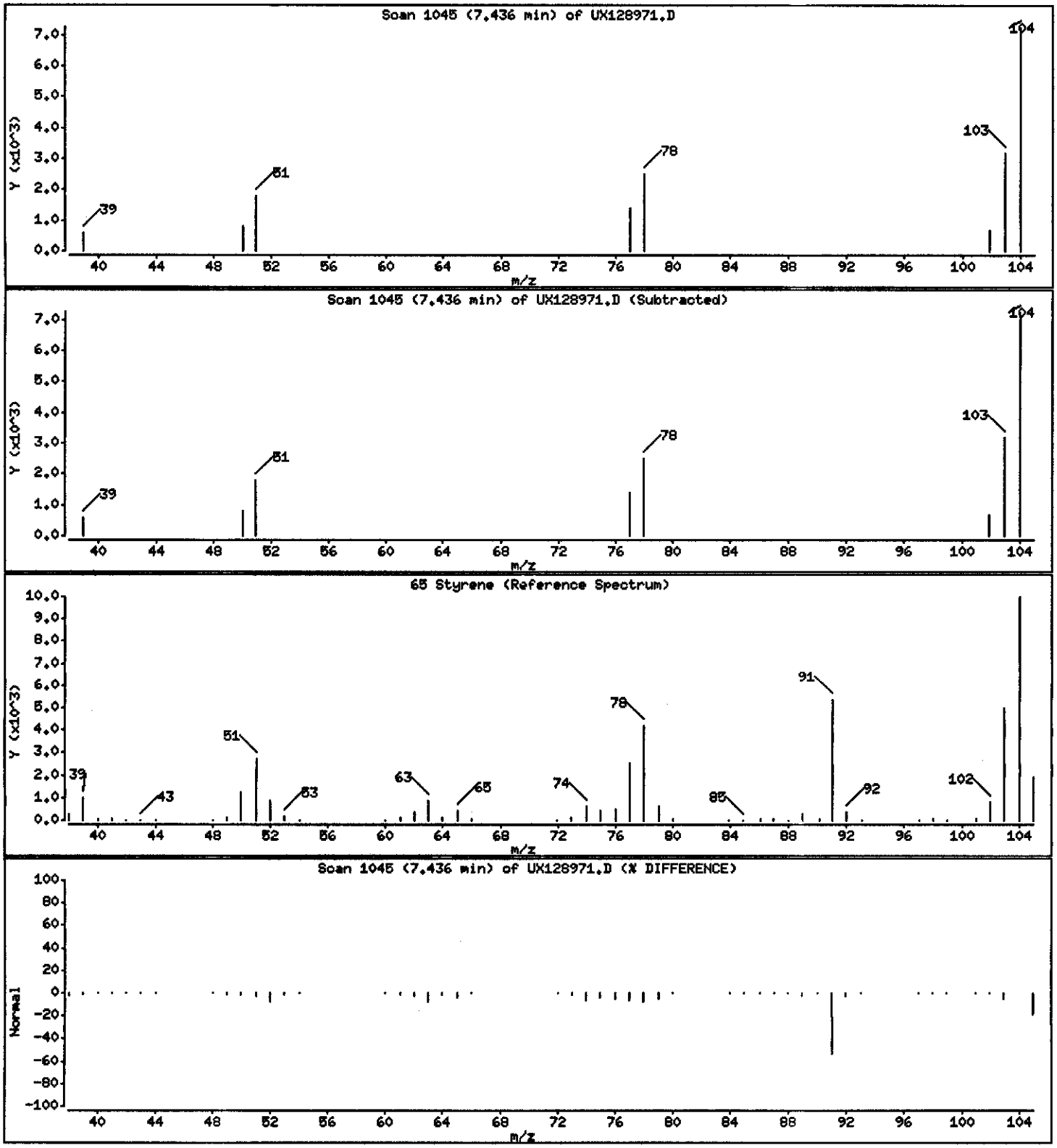
Client ID: MW505A/081604 Instrument: a3ux12.i

Sample Info: CM9XA1AA,0.4ML/5ML

Purge Volume: 0.4 Operator: 1903

Column phase: DB624 Column diameter: 0.18

65 Styrene Concentration: 3.326 ug/L



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Date : 25-AUG-2004 03:39

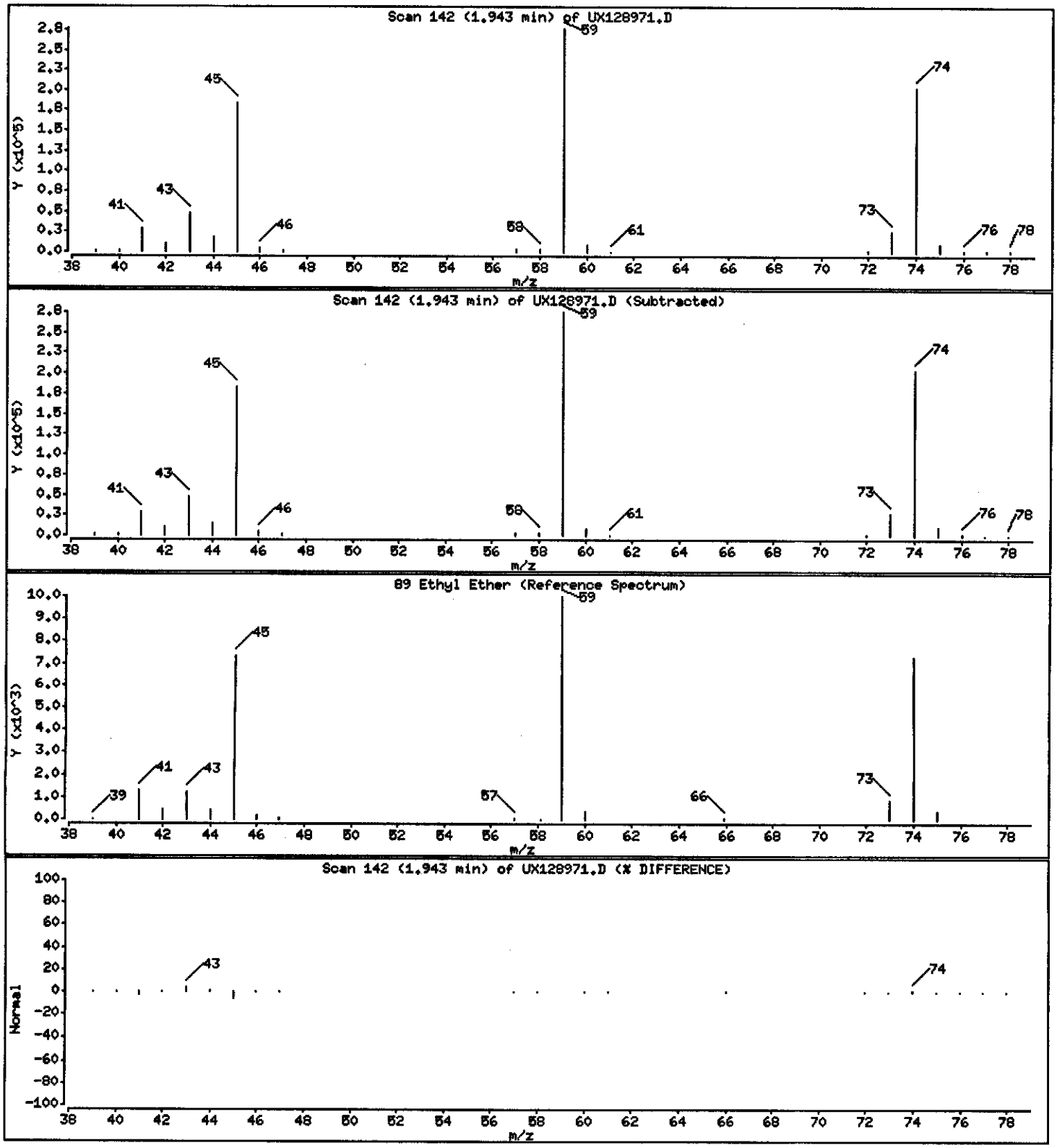
Client ID: MW505A/081604 Instrument: a3ux12.i

Sample Info: GM9XA1AA,0.4ML/5ML

Purge Volume: 0.4 Operator: 1903

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 1353.2 ug/L



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Date : 26-AUG-2004 03:39

Client ID: MW505A/081604

Instrument: a3ux12.i

Sample Info: GM9XA1AA,0.4ML/5ML

Purge Volume: 0.4

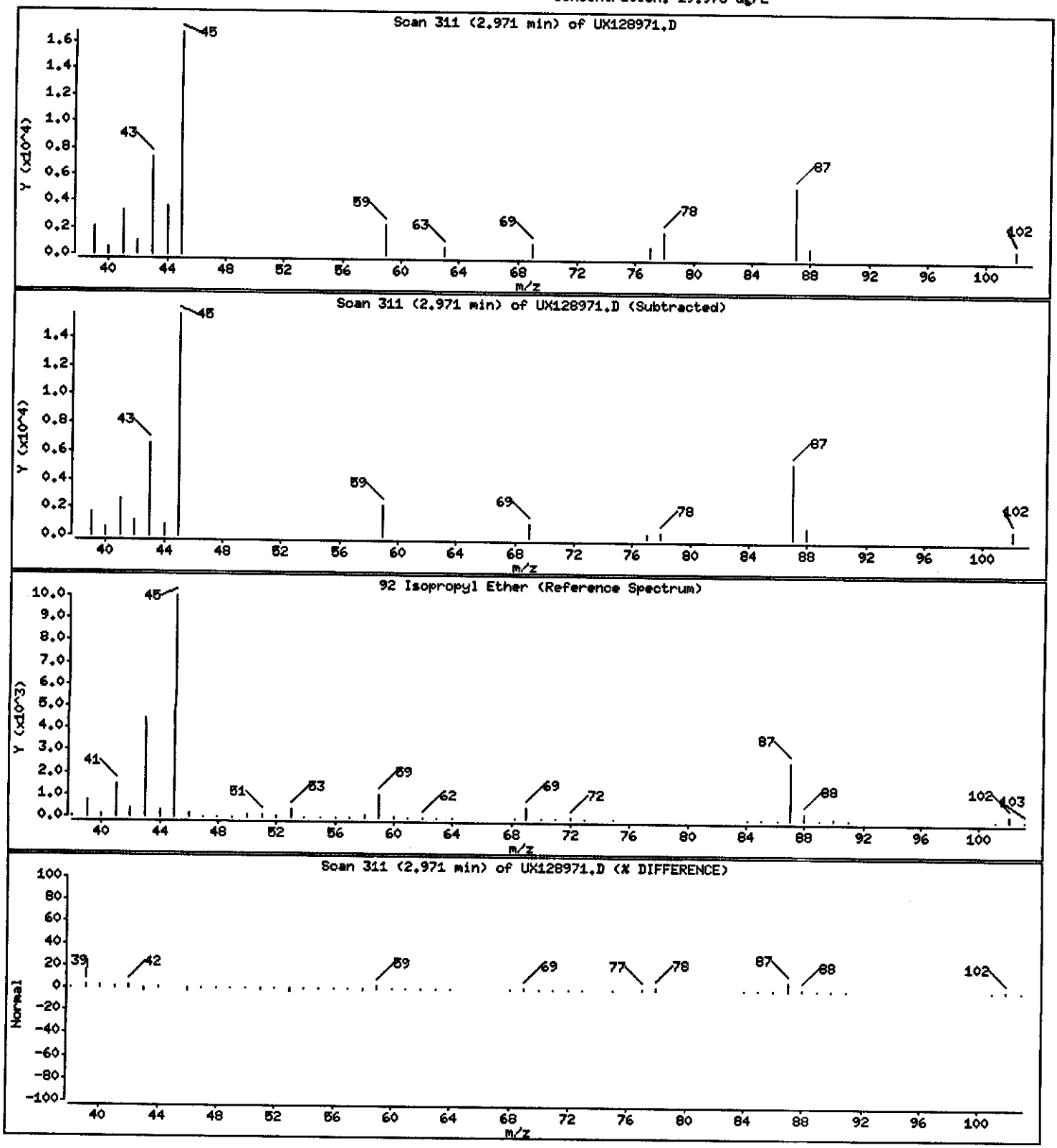
Operator: 1903

Column phase: DB624

Column diameter: 0.18

92 Isopropyl Ether

Concentration: 19.978 ug/L



PAYNE FIRM INC.

Client Sample ID: DW001/081604

GC/MS Volatiles

Lot-Sample #...:	A4H170141-010	**Work Order #...:**	GM9XE1AA	**Matrix.....:**	WG
Date Sampled...:	08/16/04 10:46	**Date Received..:**	08/17/04		
Prep Date.....:	08/25/04	**Analysis Date..:**	08/25/04		
Prep Batch #...:	4238597				
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**2.3 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	**0.61 J,B**	**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	**0.33 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	ND	1.0	ug/L
Chloromethane	**0.28 J**	**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: DW001/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-010 **Work Order #...:** GM9XE1AA **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	**1.3 B**	**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	**0.47 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	107	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	103	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

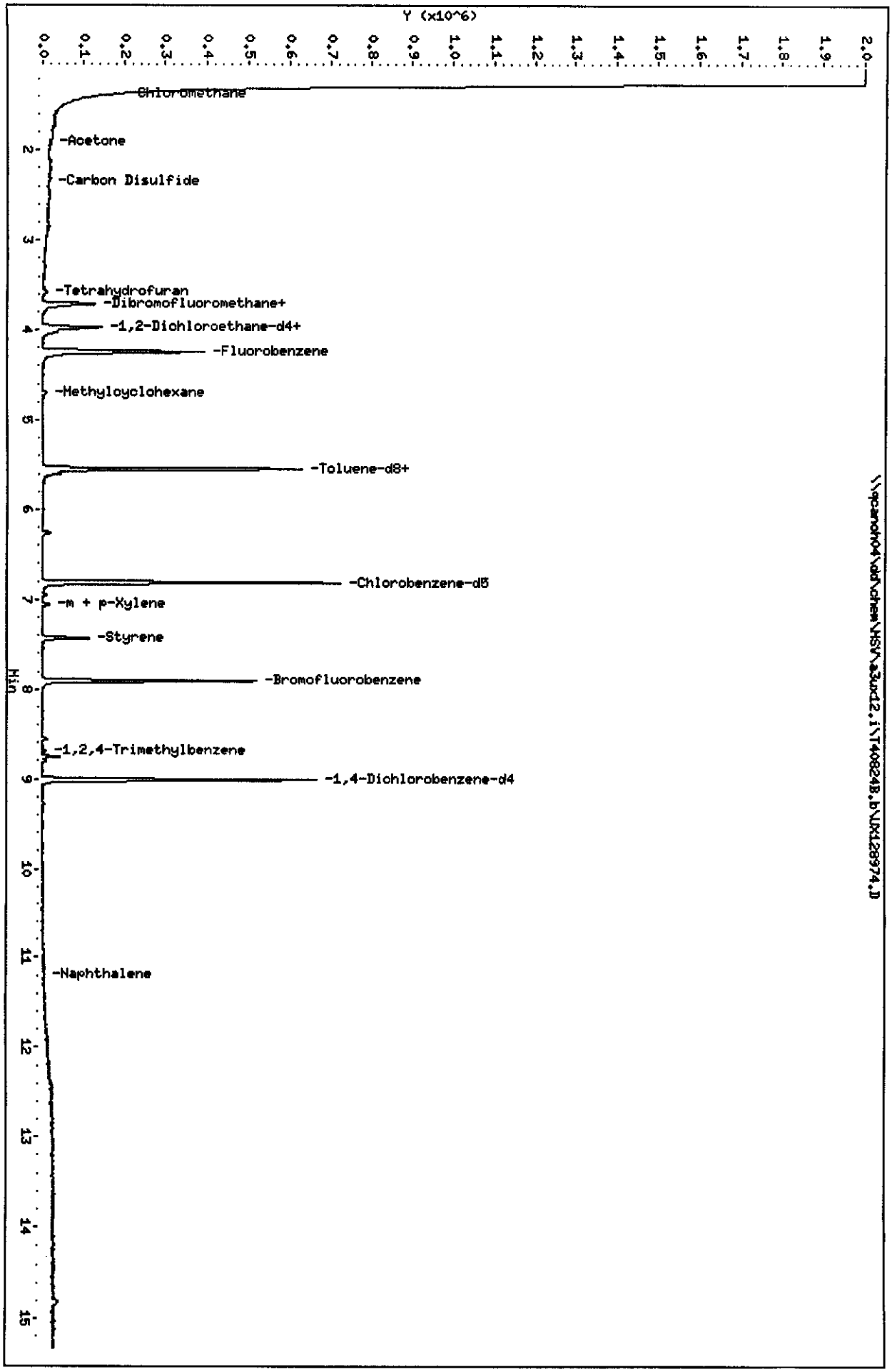
NOTE(S):

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\HSV\a3ux12.i\T40824B.b\UX128974.D
Date : 25-AUG-2004 04:51
Client ID: DW001/081604
Sample Info: CH9XE1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128974.D
Report Date: 25-Aug-2004 18:32

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128974.D
Lab Smp Id: GM9XE1AA Client Smp ID: DW001/081604
Inj Date : 25-AUG-2004 04:51
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GM9XE1AA,5ML/5ML
Misc Info : T40824B,8260LLUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 25-Aug-2004 18:24 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

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	4.242	4.242	(1.000)	439241	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	422332	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.012	9.011	(1.000)	187350	50.0000	
$ 4 Dibromofluoromethane	113	3.713	3.713	(0.875)	98981	53.5698	10.714
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	120465	51.7791	10.356
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	448386	51.5260	10.305
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	175634	48.1809	9.636
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.371	1.328	(0.323)	5057	1.39720	0.2794
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	2.119	2.119	(0.500)	24835	11.6297	2.326
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128974.D
Report Date: 25-Aug-2004 18:32

	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	2.338	2.307	(0.551)	12306	1.63860	0.3277
	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	57	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	3.579	3.567	(0.844)	6619	6.96627	1.393
	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	4.029	4.023	(0.950)	29908	3.06803	0.6136
	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	5.605	5.605	(0.822)	26728	2.33453	0.4669
	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	7.053	7.059	(1.035)	6015	1.18646	0.2373
M	63 Xylenes (total)	106				6015	1.18646	0.2373
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	7.436	7.436	(1.091)	59487	6.73422	1.347
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128974.D
Report Date: 25-Aug-2004 18:32

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
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	8.689	8.689	(0.964)	5588	0.74714	0.1494
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	11.202	11.195	(1.243)	1028	4.26117	0.8522
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	3.792	3.786	(0.894)	2859	0.96749	0.1935
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	4.704	4.698	(1.109)	4432	1.91809	0.3836
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128974.D

Date : 25-AUG-2004 04:51

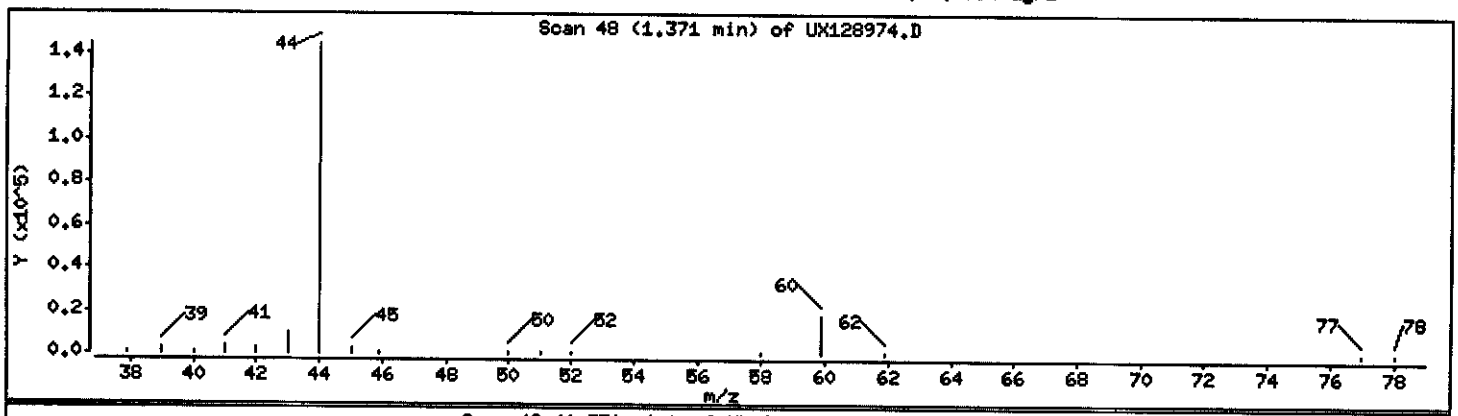
Client ID: DW001/081604 Instrument: a3ux12.i

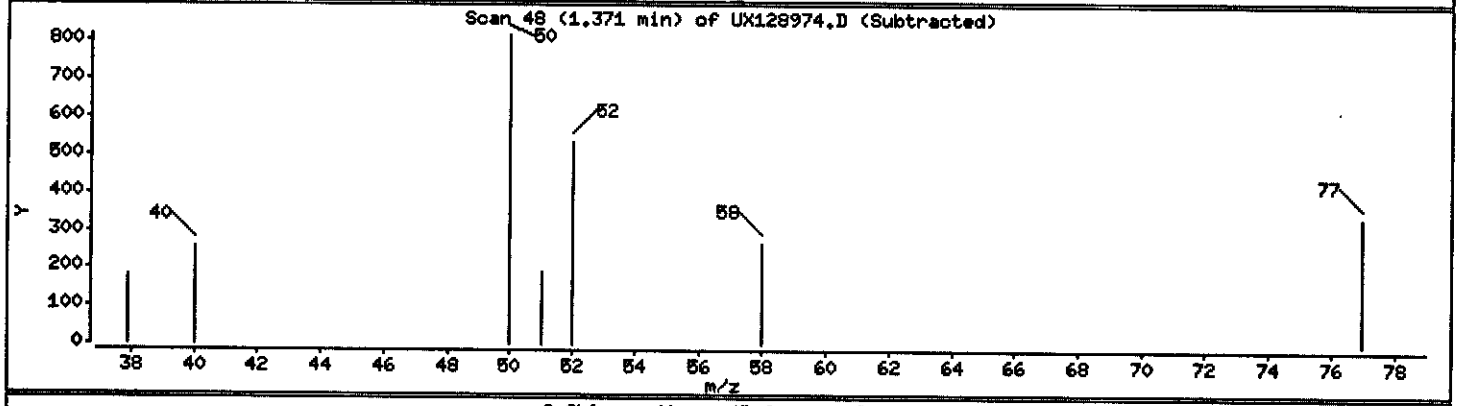
Sample Info: GM9XE1AA,5ML/5ML

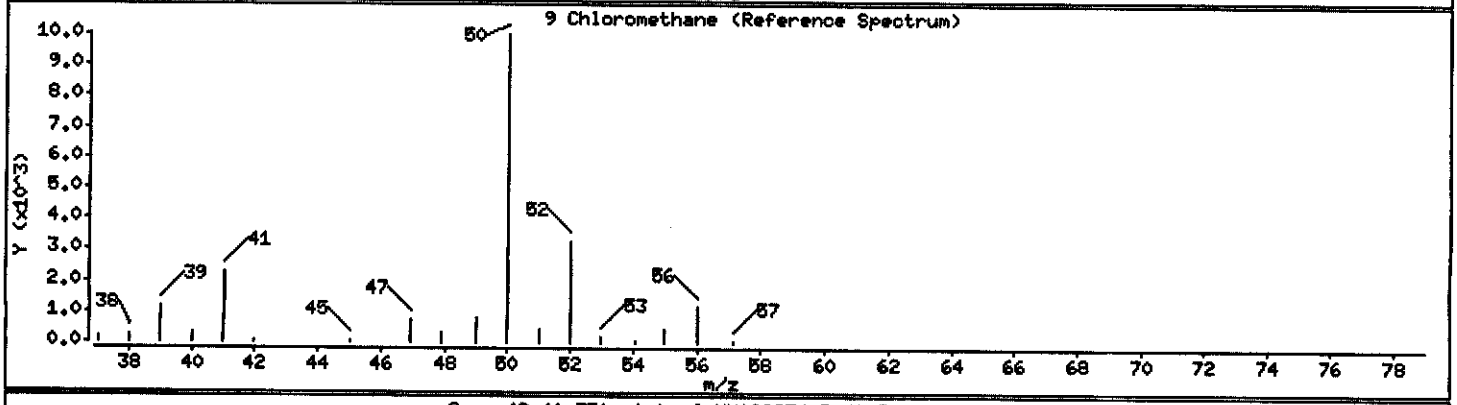
Purge Volume: 5.0 Operator: 1903

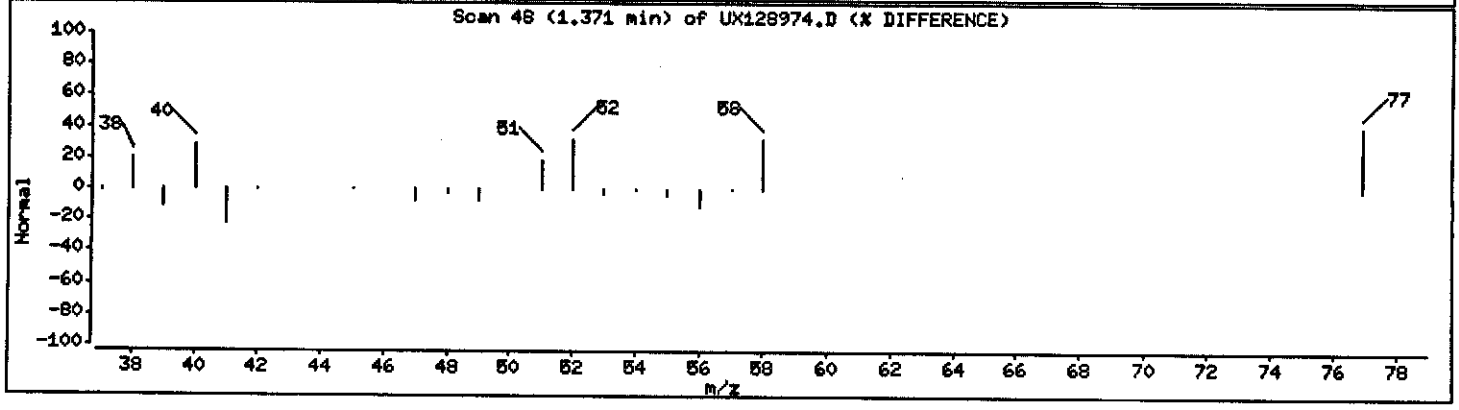
Column phase: DB624 Column diameter: 0.18

9 Chloromethane Concentration: 0.2794 ug/L









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Date : 25-AUG-2004 04:51

Client ID: DW001/081604

Instrument: a3ux12.i

Sample Info: GM9XE1AA,5ML/5ML

Purge Volume: 5.0

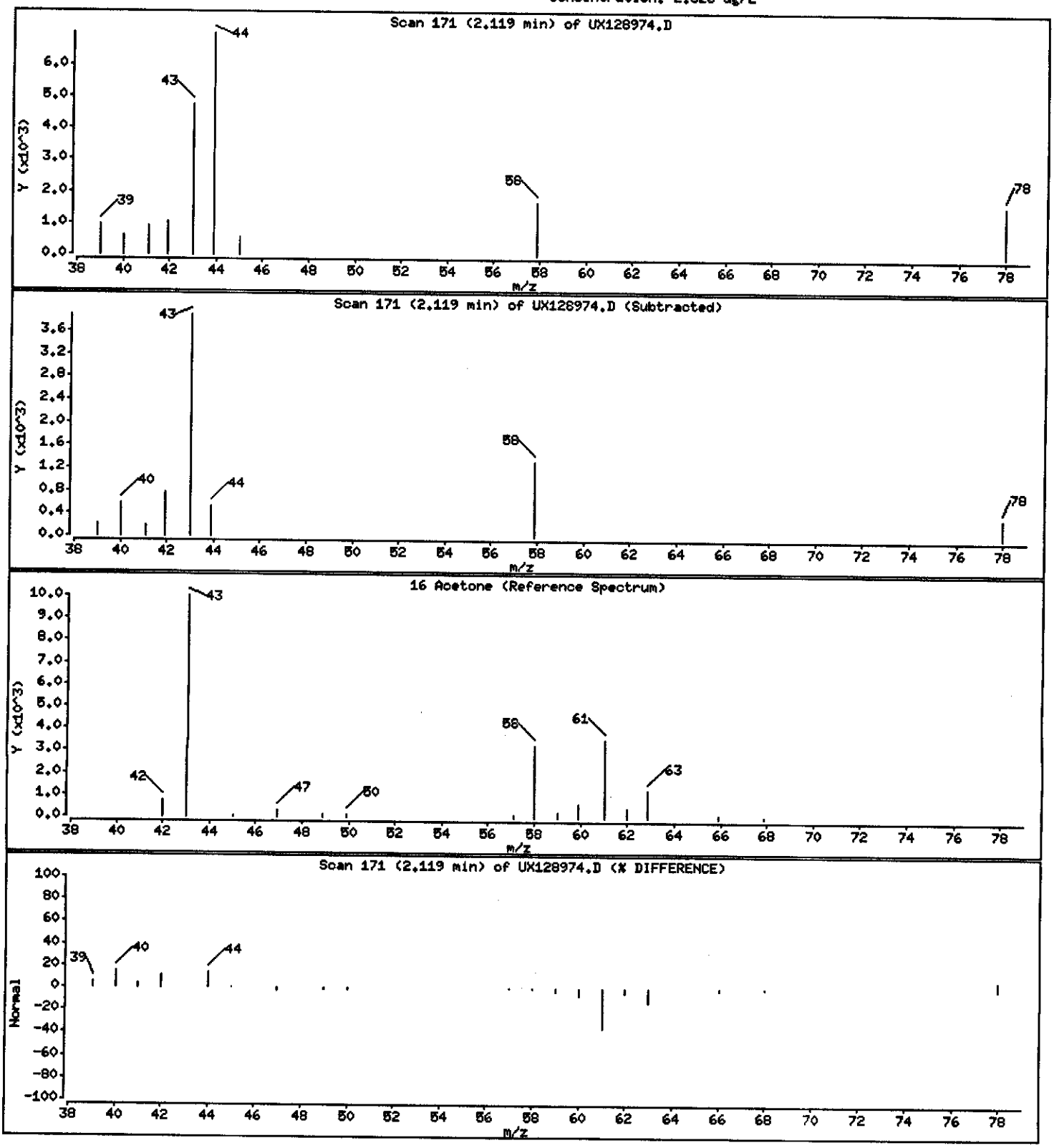
Operator: 1903

Column phase: DB624

Column diameter: 0.18

16 Acetone

Concentration: 2.326 ug/L



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Date : 25-AUG-2004 04:51

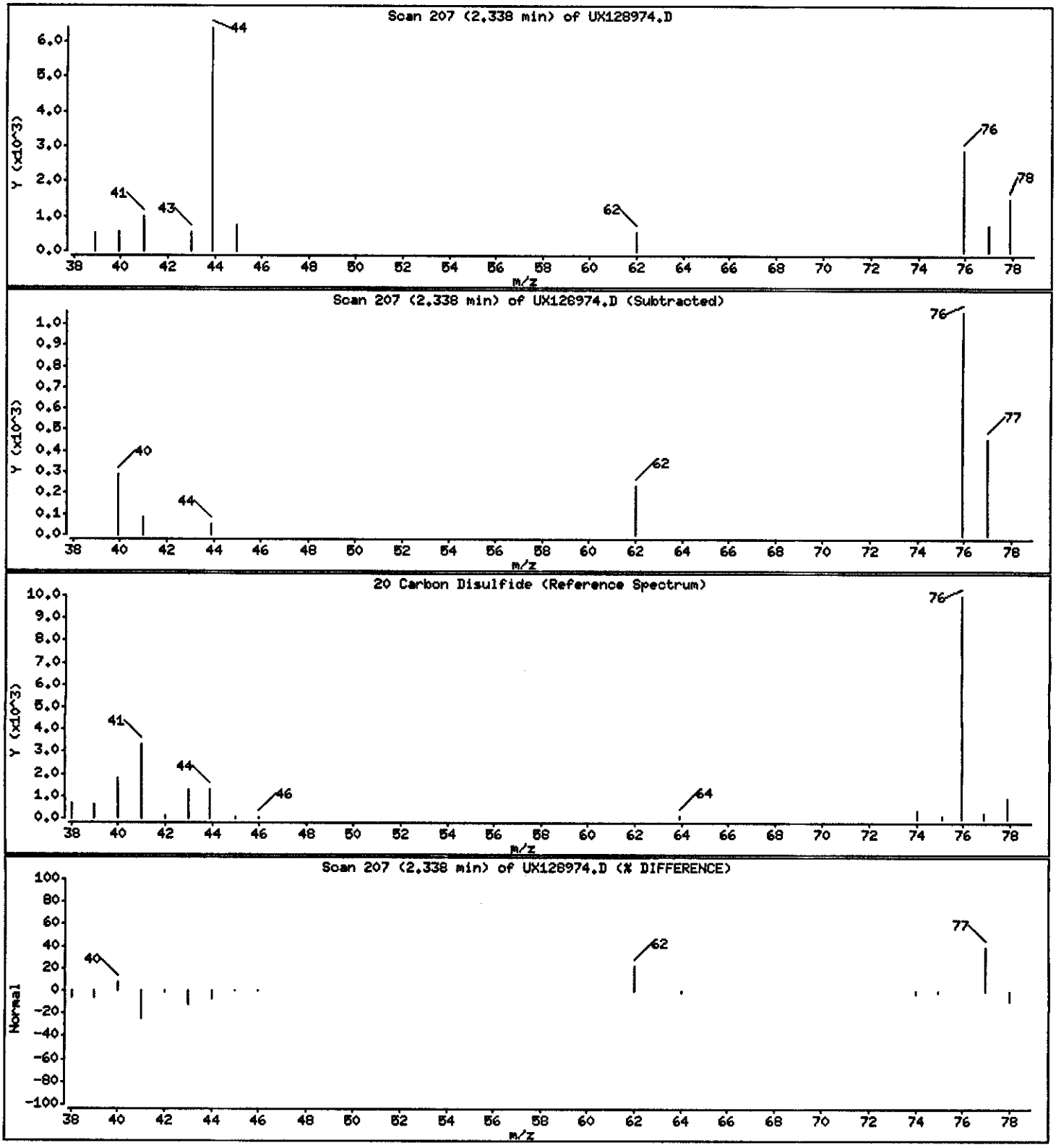
Client ID: DW001/081604 Instrument: a3ux12.i

Sample Info: GM9XE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.3277 ug/L



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Date : 25-AUG-2004 04:51

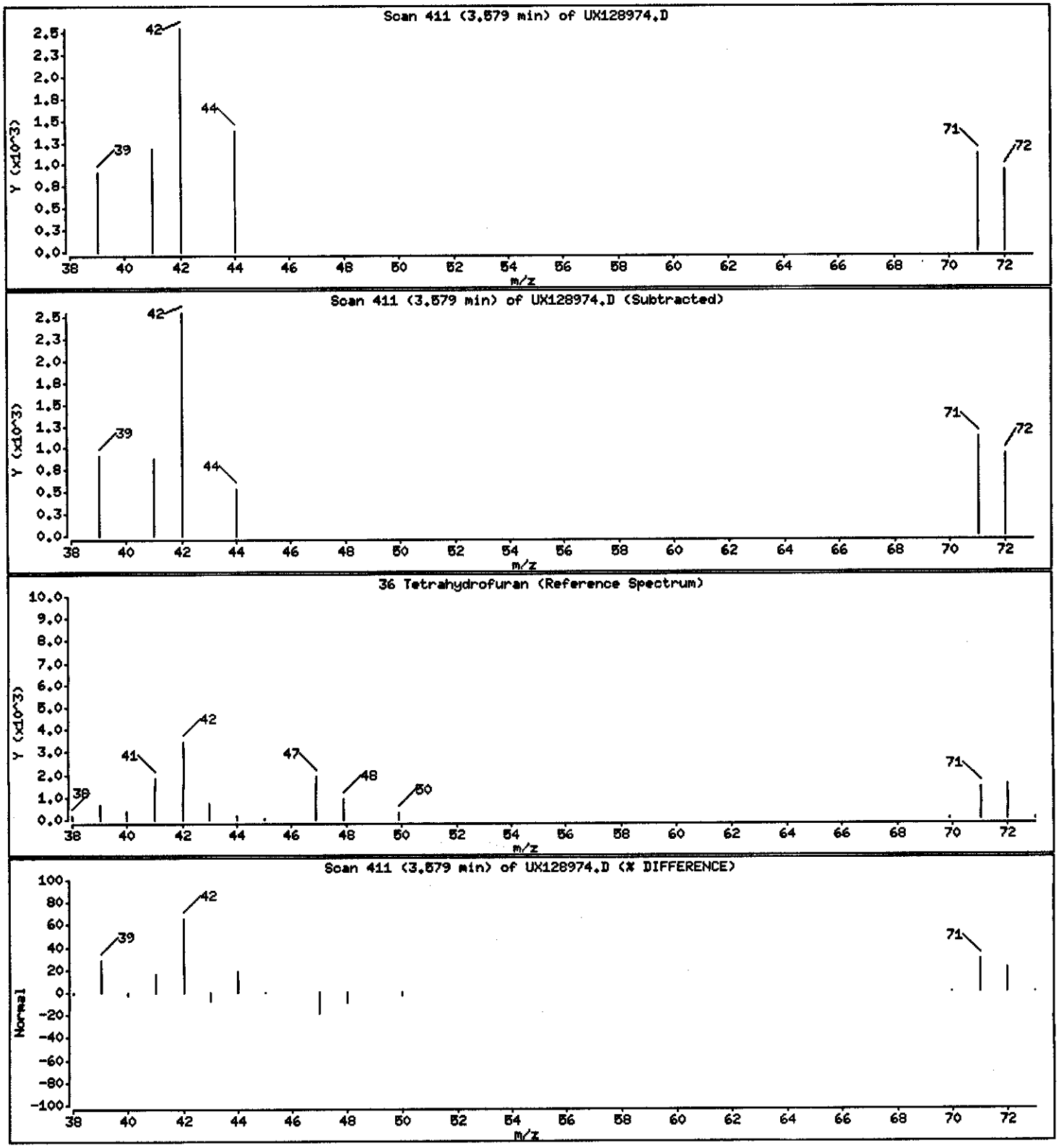
Client ID: DW001/081604 Instrument: a3ux12.i

Sample Info: GM9XE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 1.393 ug/L



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Date : 25-AUG-2004 04:51

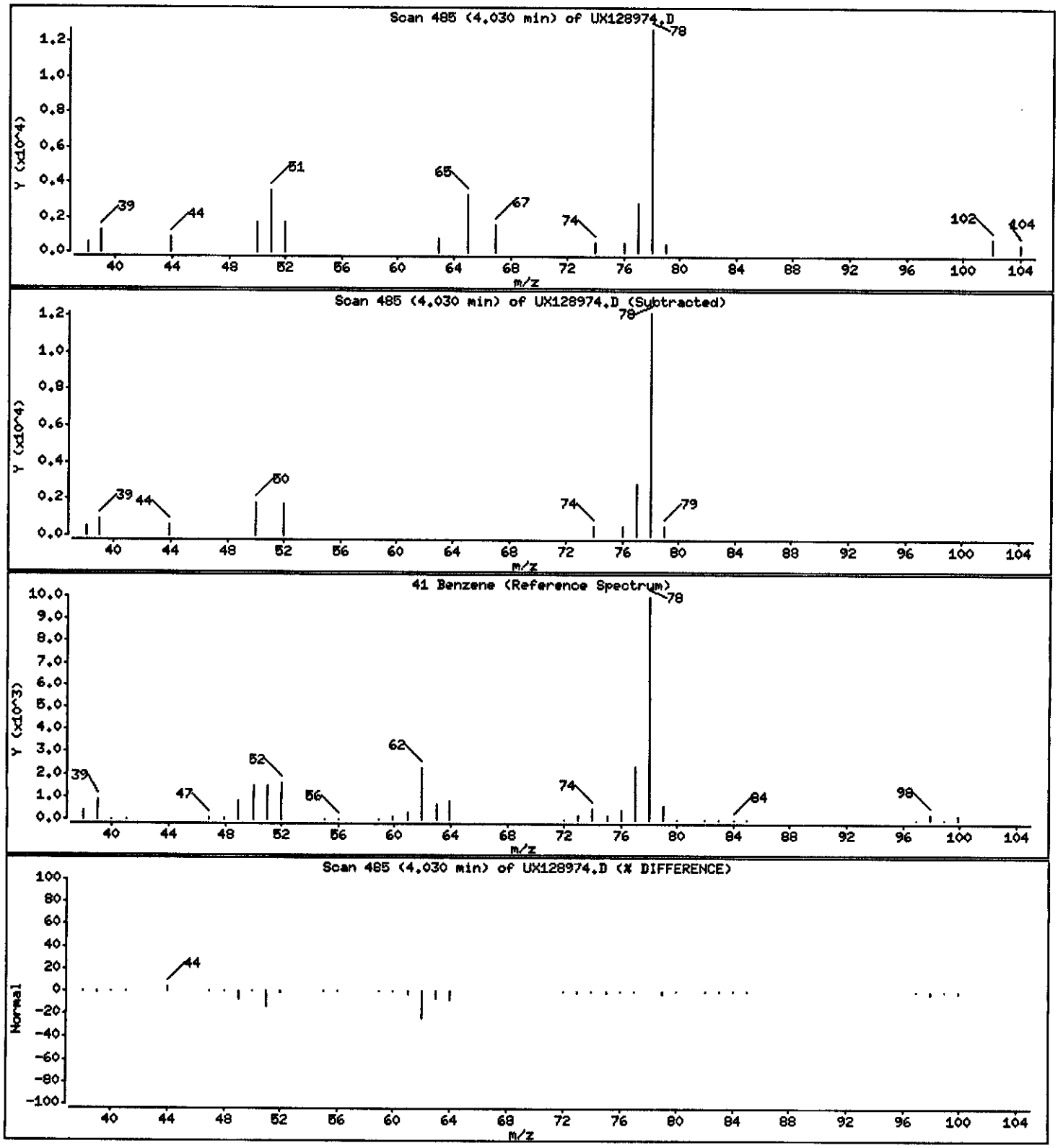
Client ID: DW001/081604 Instrument: a3ux12.i

Sample Info: GM9XE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.6136 ug/L



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Date : 25-AUG-2004 04:51

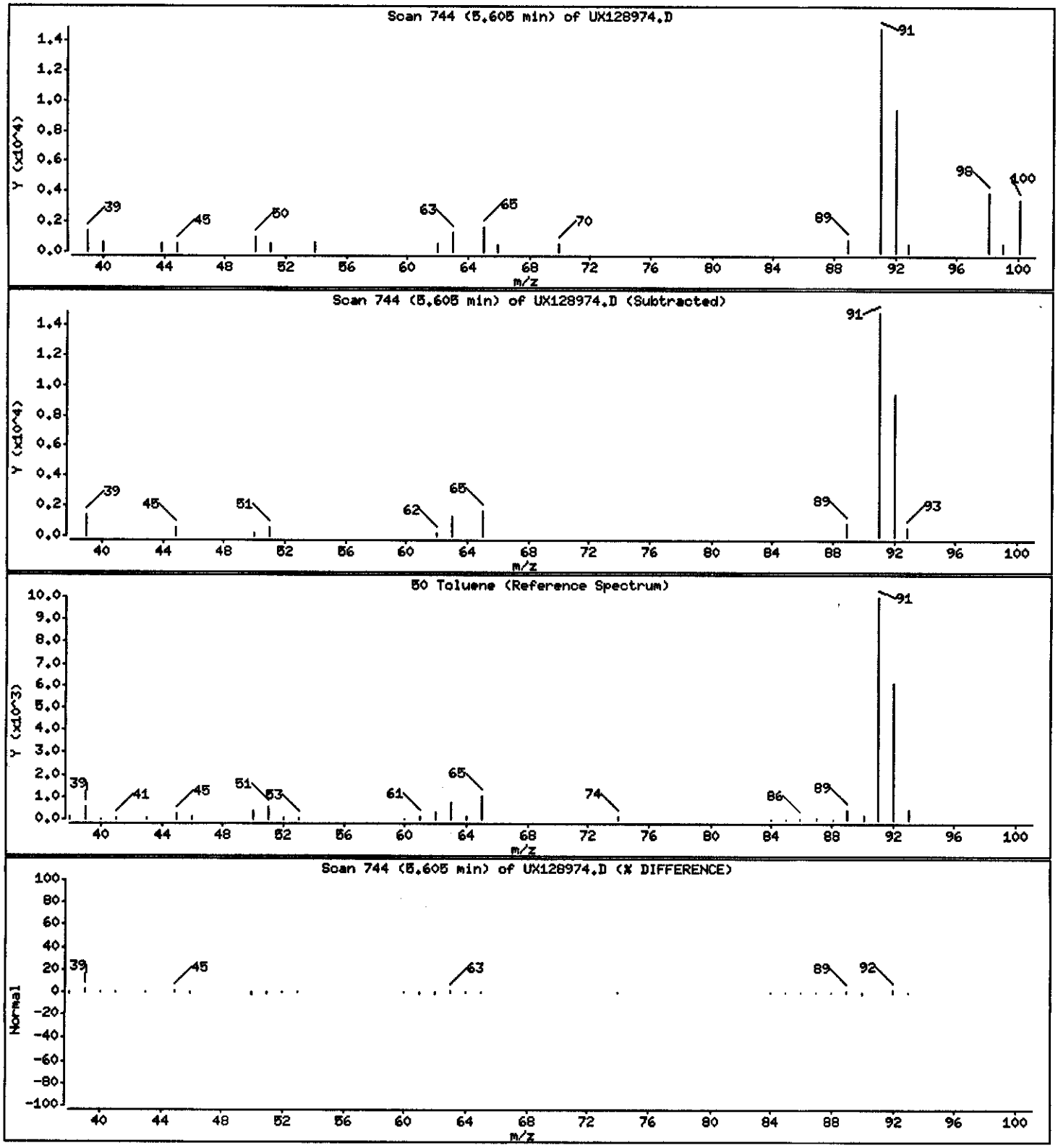
Client ID: DW001/081604 Instrument: a3ux12.i

Sample Info: GM9XE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.4669 ug/L



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Date : 25-AUG-2004 04:51

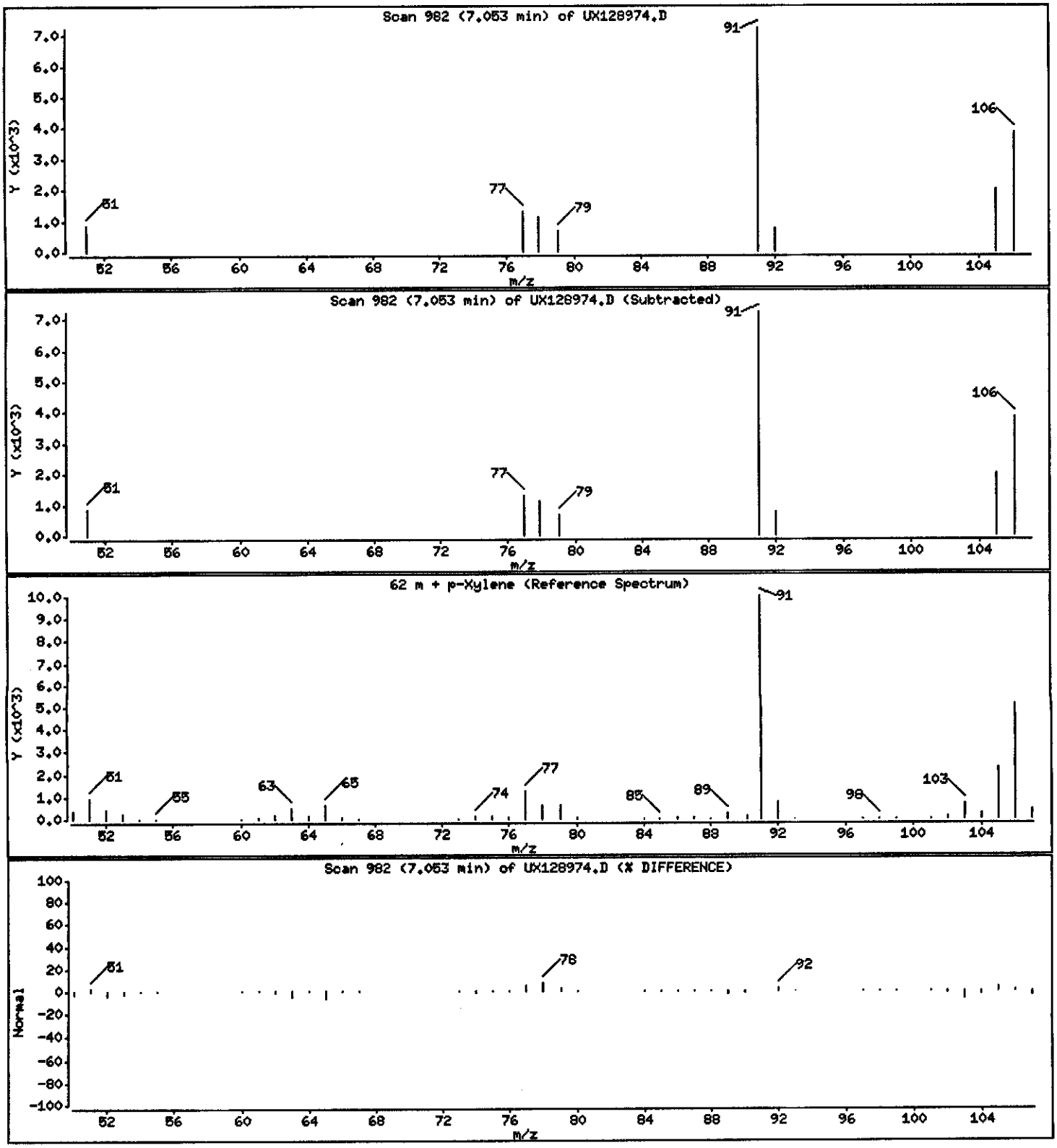
Client ID: DW001/081604 Instrument: a3ux12.i

Sample Info: GM9XE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

62 m + p-Xylene Concentration: 0.2373 ug/L



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Date : 25-AUG-2004 04:51

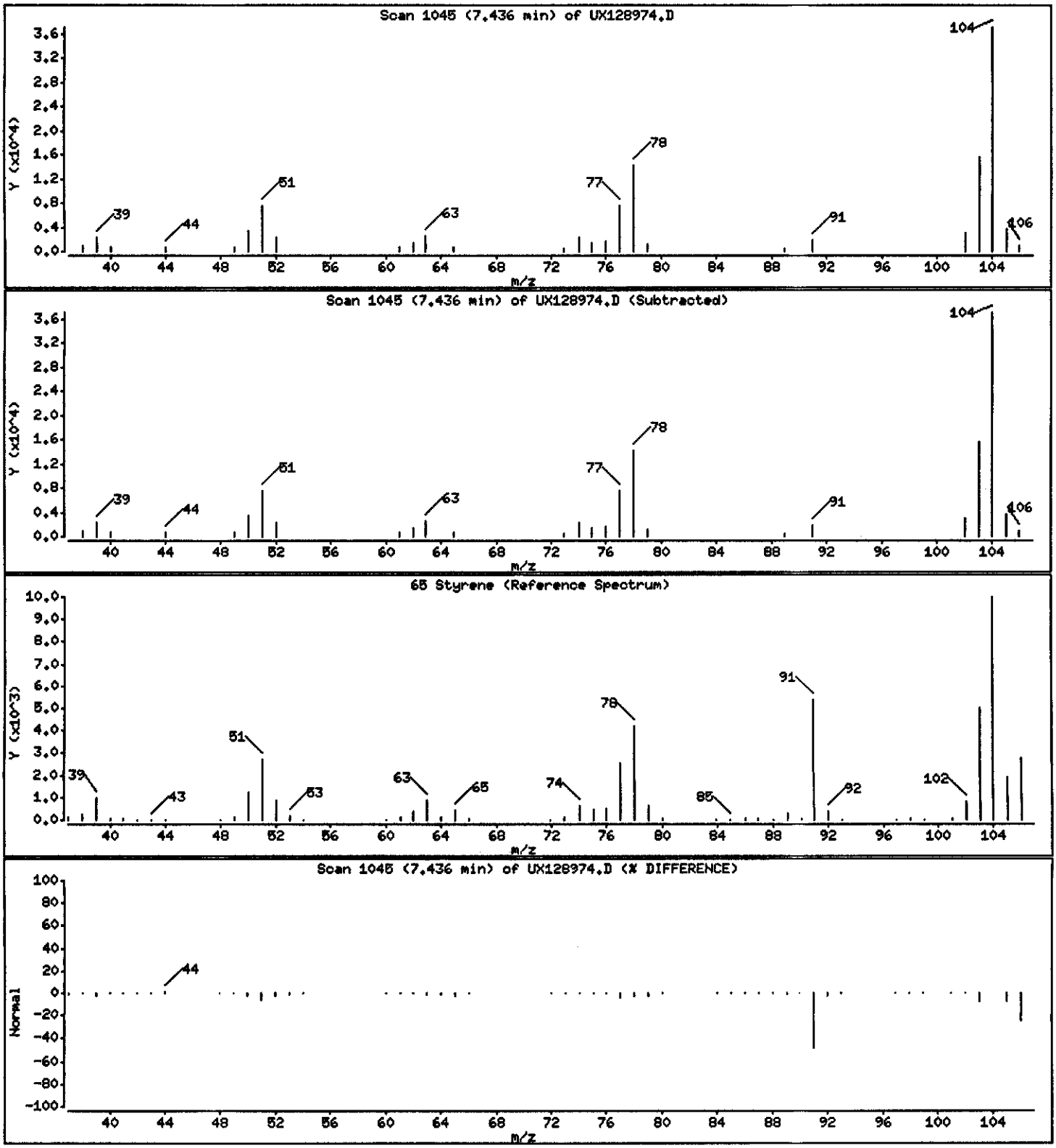
Client ID: DW001/081604 Instrument: a3ux12.i

Sample Info: GM9XE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

65 Styrene Concentration: 1.347 ug/L



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Date : 25-AUG-2004 04:51

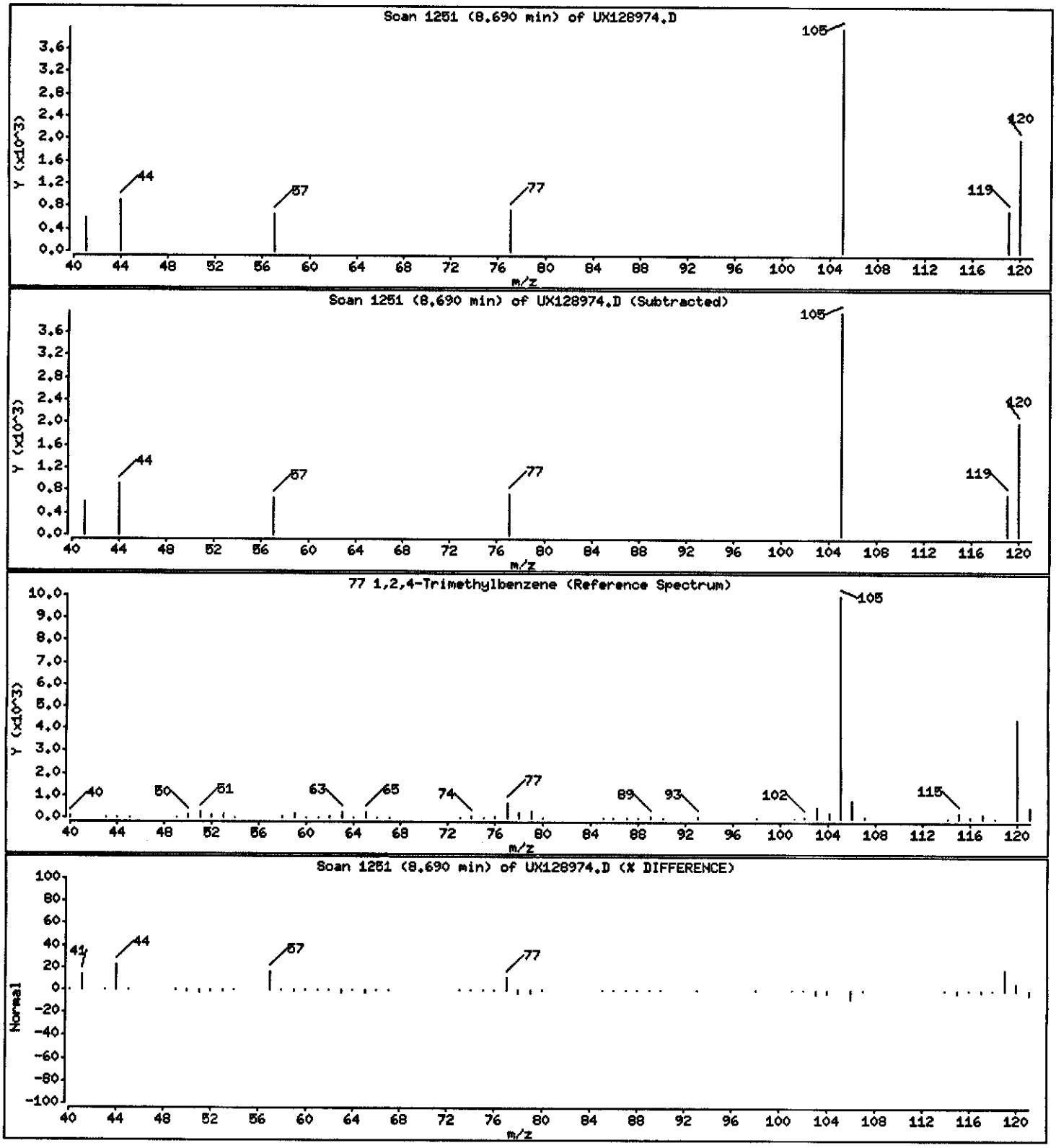
Client ID: DW001/081604 Instrument: a3ux12.i

Sample Info: GM9XE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

77 1,2,4-Trimethylbenzene Concentration: 0.1494 ug/L



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Date : 25-AUG-2004 04:51

Client ID: DW001/081604

Instrument: a3ux12.i

Sample Info: GM9XE1AA,5ML/5ML

Purge Volume: 5.0

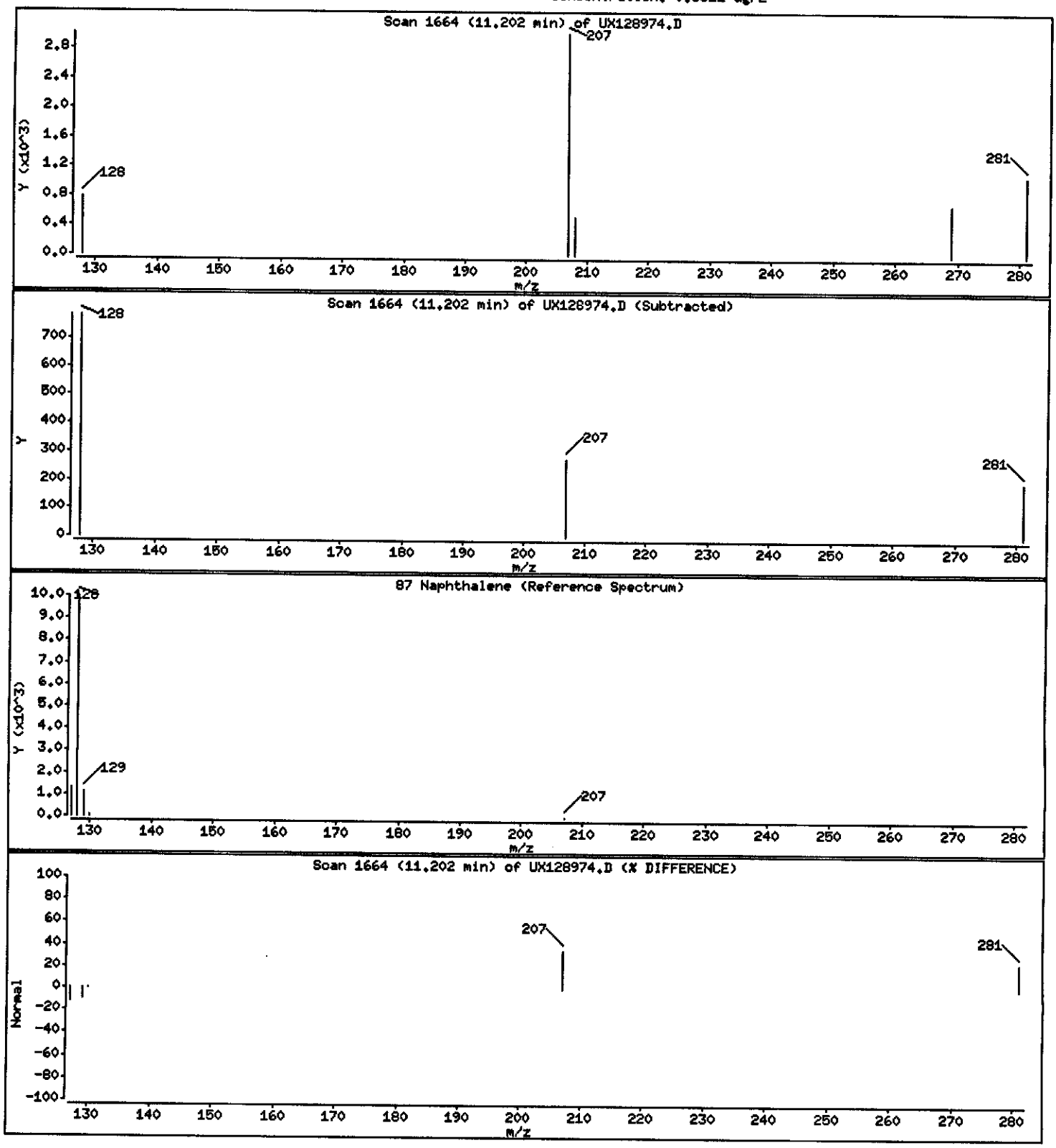
Operator: 1903

Column phase: DB624

Column diameter: 0.18

87 Naphthalene

Concentration: 0.8522 ug/L



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Date : 25-AUG-2004 04:51

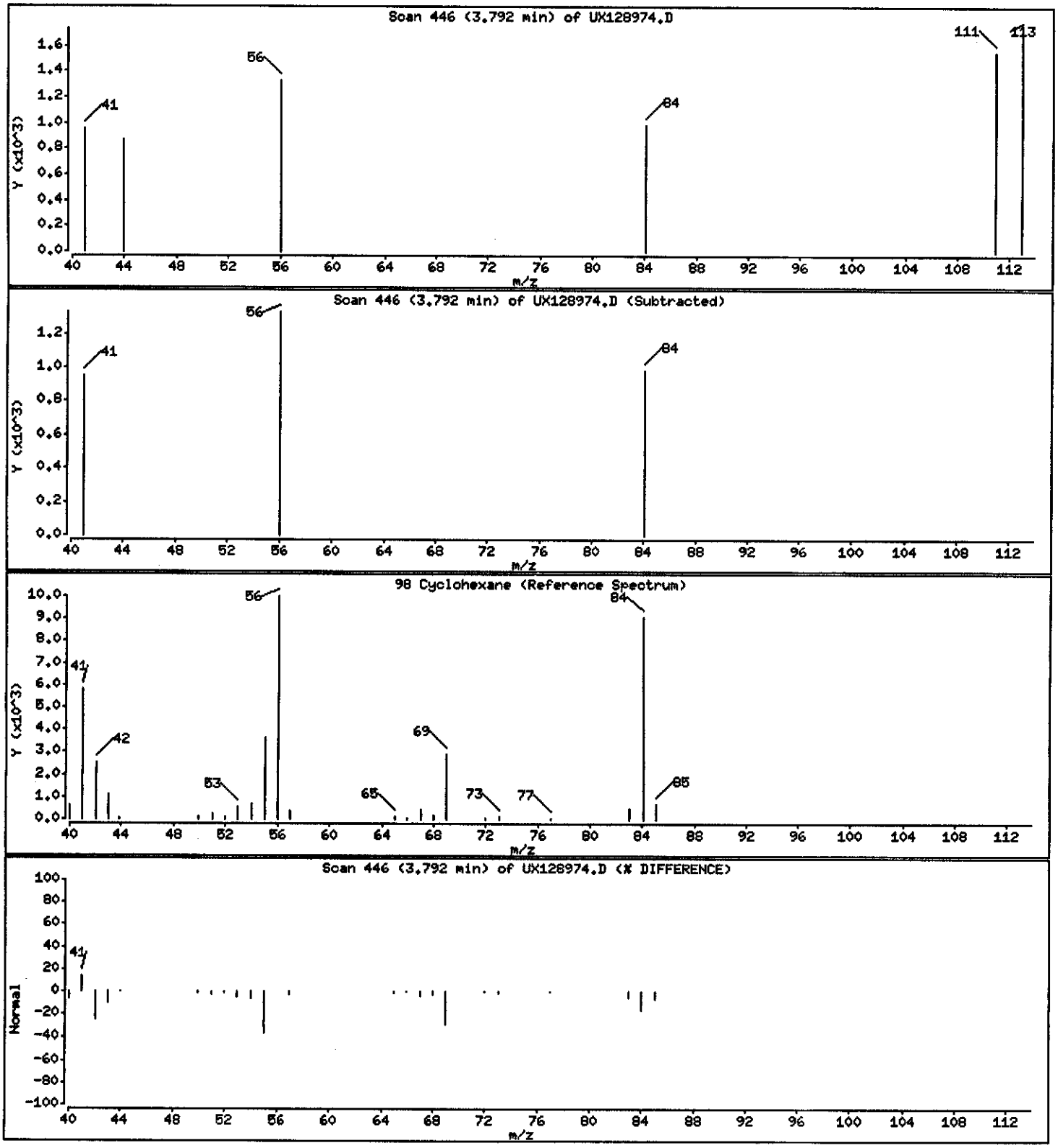
Client ID: DW001/081604 Instrument: a3ux12.i

Sample Info: GM9XE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

98 Cyclohexane Concentration: 0.1935 ug/L



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Date : 25-AUG-2004 04:51

Client ID: DW001/081604

Instrument: a3ux12.i

Sample Info: GM9XE1AA,5ML/5ML

Purge Volume: 5.0

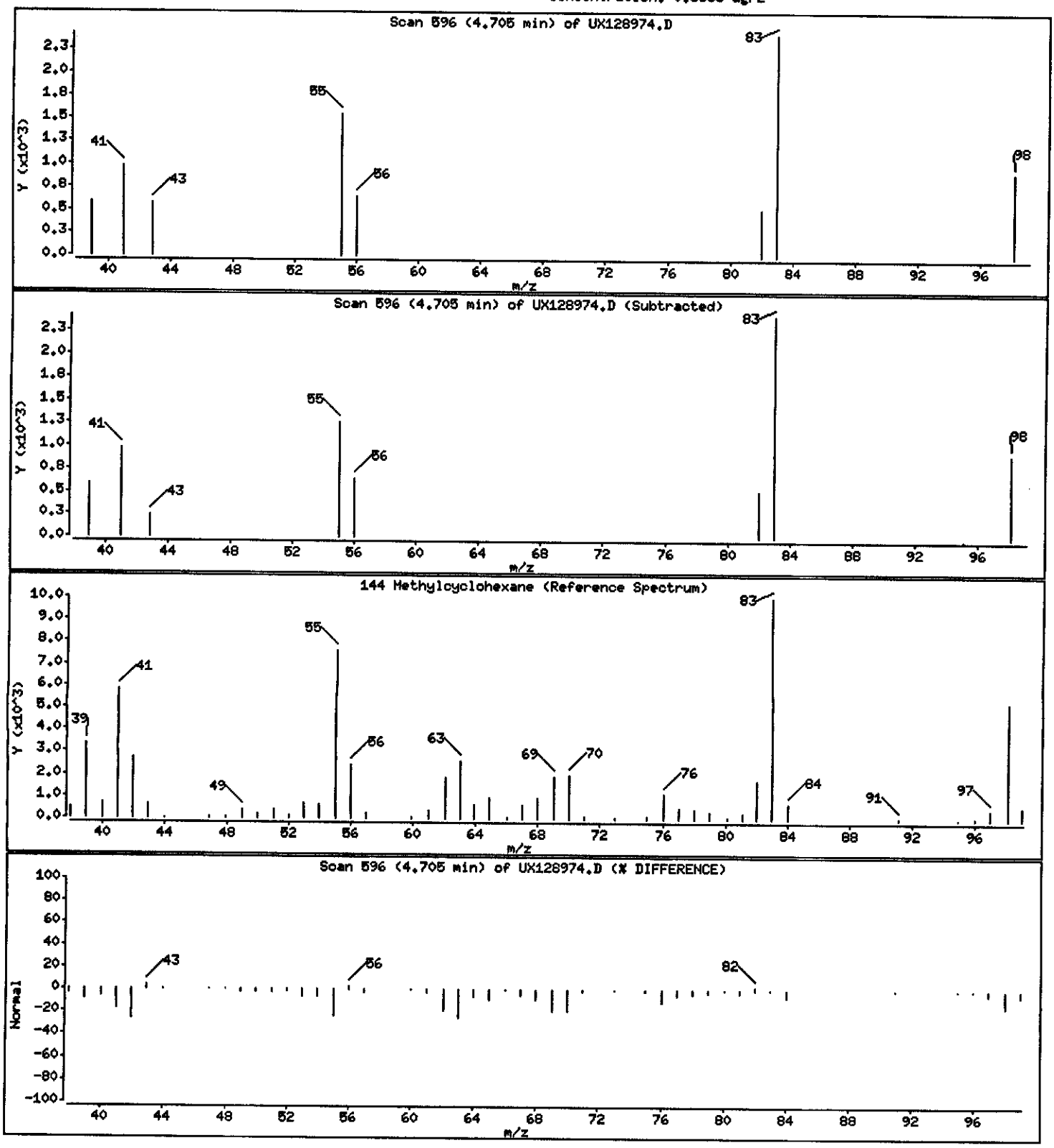
Operator: 1903

Column phase: DB624

Column diameter: 0.18

144 Methylcyclohexane

Concentration: 0.3836 ug/L



PAYNE FIRM INC.

Client Sample ID: DW002/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-011 **Work Order #...:** GM9XK1AA **Matrix.....:** WG
Date Sampled...: 08/16/04 11:18 **Date Received..:** 08/17/04
Prep Date.....: 08/23/04 **Analysis Date..:** 08/23/04
Prep Batch #...: 4237295
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**5.0 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	**1.1 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	**0.21 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: DW002/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-011 **Work Order #...:** GM9XK1AA **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)	**2.3**	**2.0**	**ug/L**

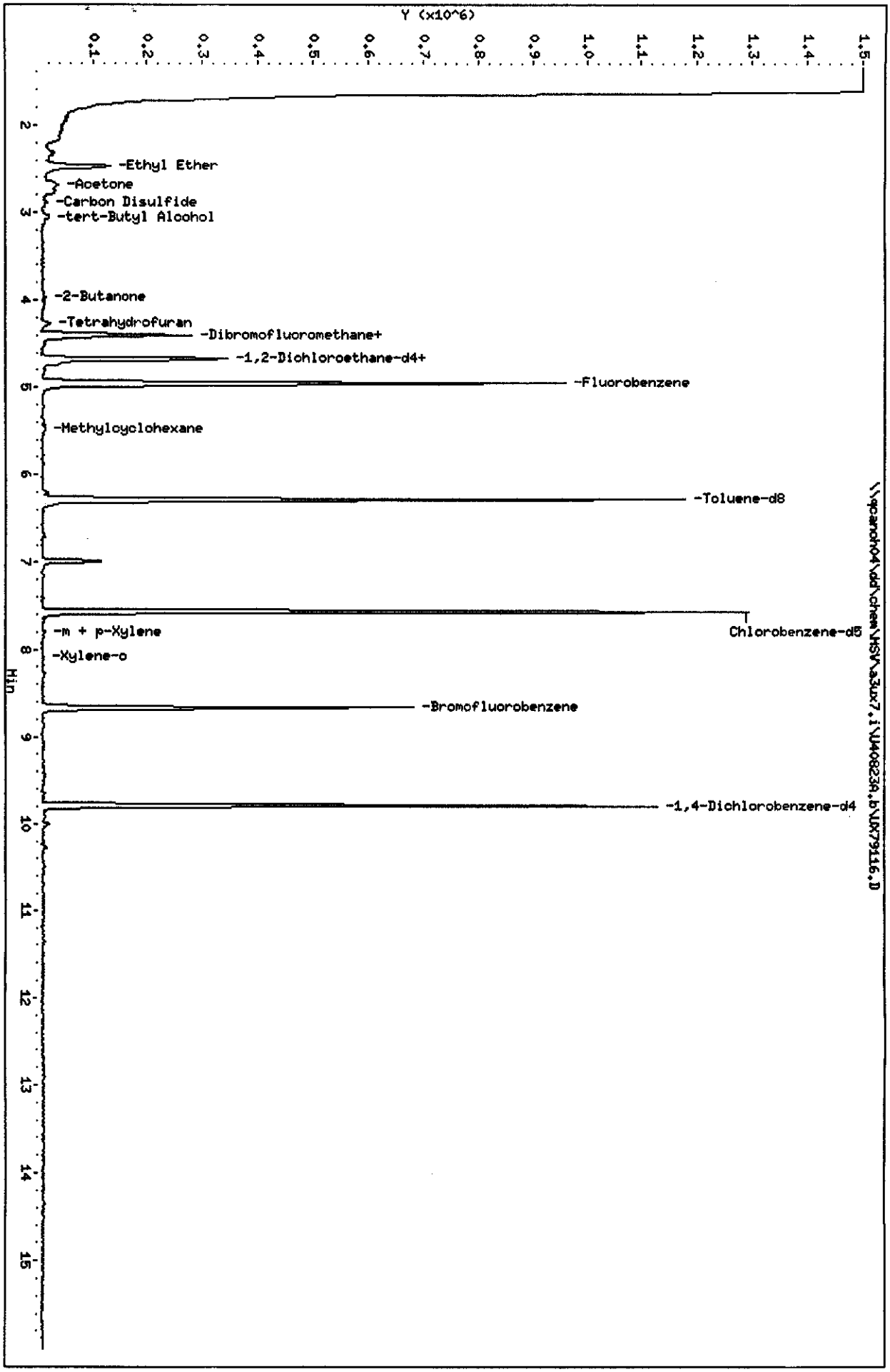
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(73 - 122)
1,2-Dichloroethane-d4	88	(61 - 128)
Toluene-d8	91	(76 - 110)
4-Bromofluorobenzene	86	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U408230.b\UX79116.D
Date : 23-AUG-2004 16:17
Client ID: DW002/081604
Sample Info: GH9XX1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18



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Report Date: 24-Aug-2004 08:38

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79116.D
Lab Smp Id: GM9XK1AA
Client Smp ID: DW002/081604
Inj Date : 23-AUG-2004 16:17
Operator : 1754
Inst ID: a3ux7.i
Smp Info : GM9XK1AA,5ML/5ML
Misc Info : U40823A,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\N8260UX7-3.m
Meth Date : 24-Aug-2004 08:18 roachc
Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56
Cal File: UX77665.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV03

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	4.955	4.954	(1.000)	1076515	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.569	(1.000)	747307	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.794	(1.000)	304998	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.398	(0.888)	218969	45.6955	9.139
$ 5 1,2-Dichloroethane-d4	65	4.671	4.670	(0.943)	316803	44.1611	8.832
$ 6 Toluene-d8	98	6.280	6.279	(0.830)	875183	45.4355	9.087
$ 7 Bromofluorobenzene	95	8.670	8.669	(1.145)	264834	43.1191	8.624
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	2.695	2.670	(0.544)	90920	24.8638	4.973
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79116.D
Report Date: 24-Aug-2004 08:38

	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	2.896	2.871	(0.585)	23635	1.11582	0.2232
	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	3.121	3.108	(0.630)	1557	37.3093	7.462
	30 2-Butanone	43	4.032	4.019	(0.814)	18019	5.49291	1.098
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	4.269	4.256	(0.862)	15497	10.4150	2.083
	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	4.742	4.729	(0.957)	9819	1.06584	0.2132
	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	7.807	7.806	(1.031)	2014	7.51967	1.504
M	63 Xylenes (total)	106				2876	11.4093	2.282
	64 Xylene-o	106	8.173	8.172	(1.080)	862	3.88967	0.7779
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79116.D
Report Date: 24-Aug-2004 08:38

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	2.470	2.467	(0.499)	133034	25.7341	5.147
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	4.505	4.504	(0.909)	2516	3.93231	0.7865(a)
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.452	5.439	(1.100)	1452	4.41528	0.8830
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\MSV\a3ux7.i\U40823A.b\UX79116.D

Date : 23-AUG-2004 16:17

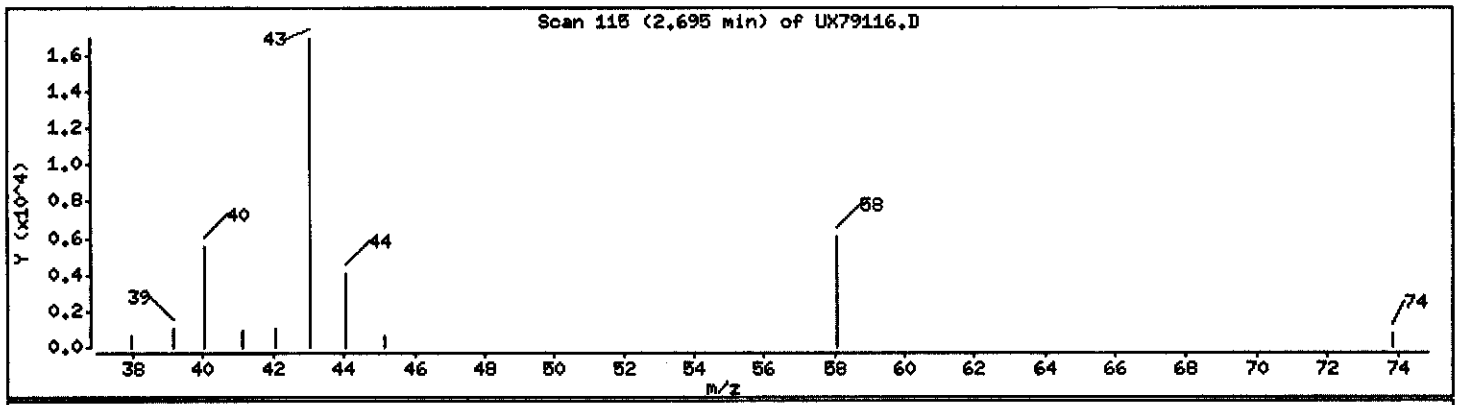
Client ID: DW002/081604 Instrument: a3ux7.i

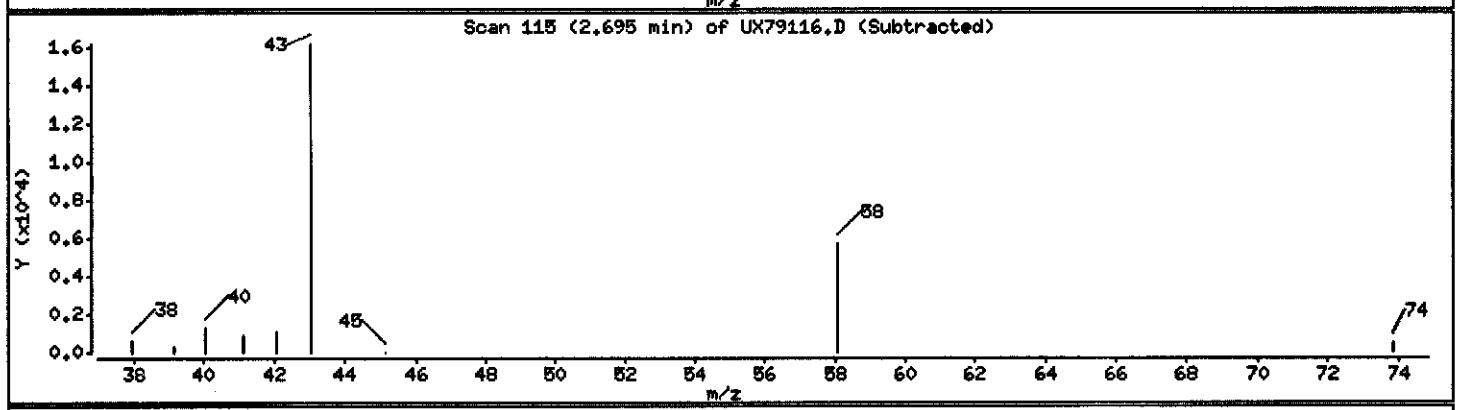
Sample Info: GM9XK1AA,5ML/5ML

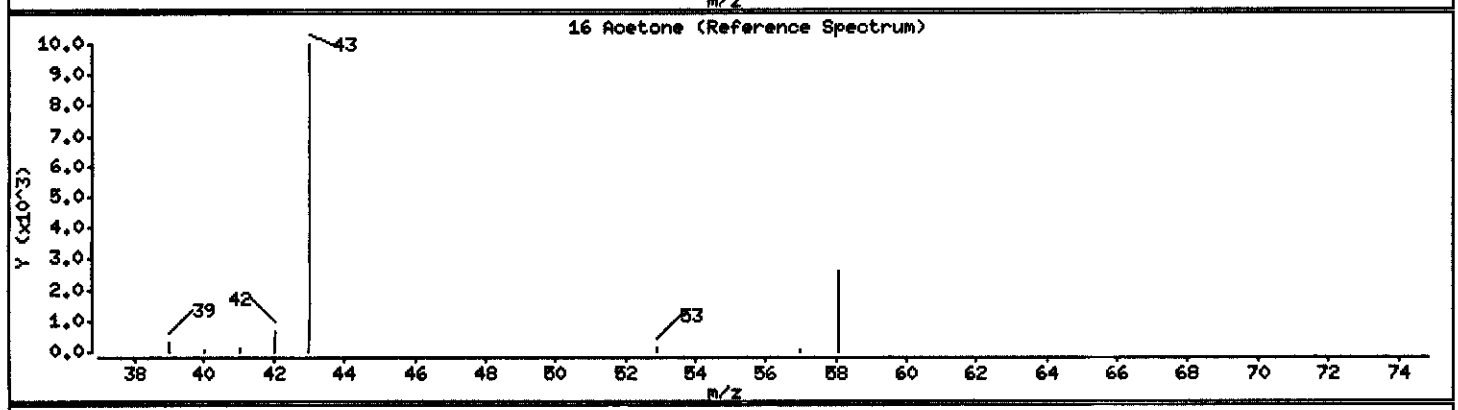
Purge Volume: 5.0 Operator: 1754

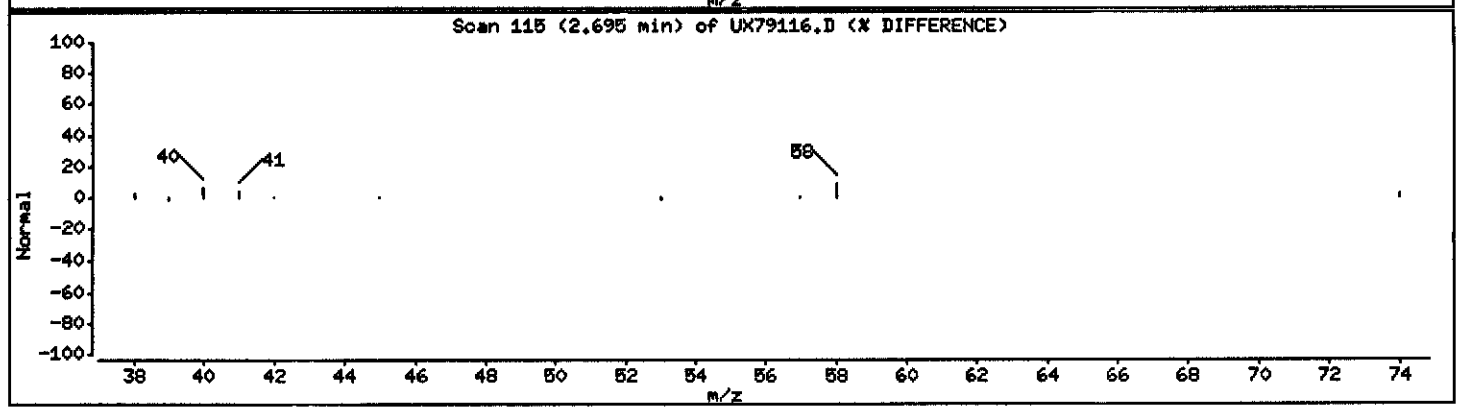
Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 4.973 ug/L









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Date : 23-AUG-2004 16:17

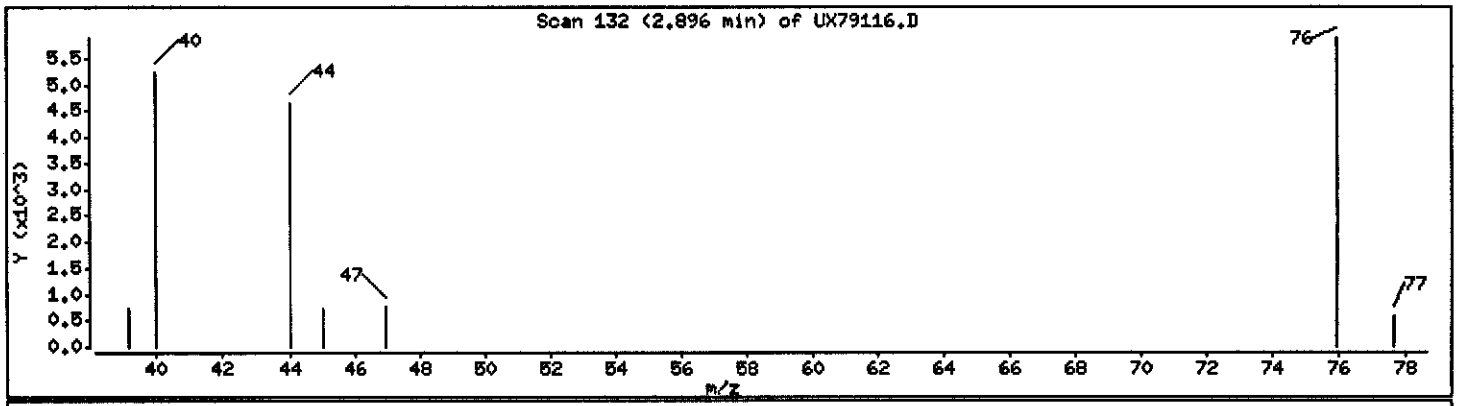
Client ID: DW002/081604 Instrument: a3ux7.i

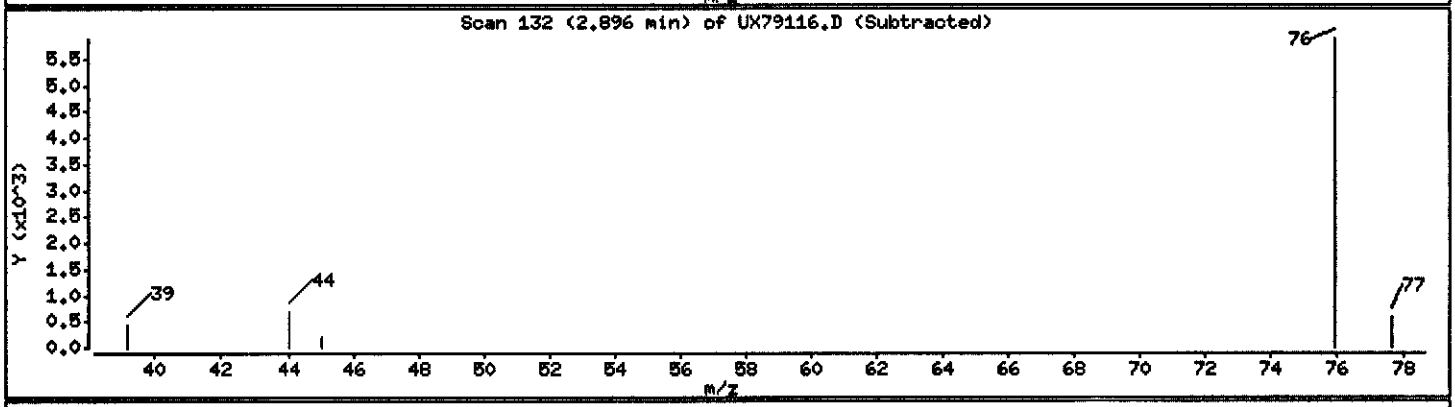
Sample Info: GM9XK1AA,5ML/5ML

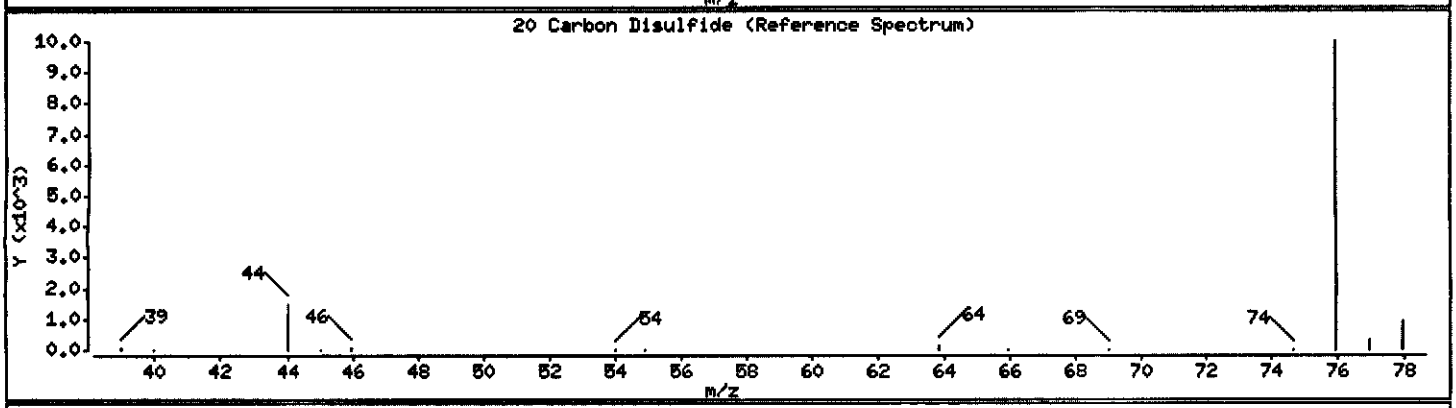
Purge Volume: 5.0 Operator: 1754

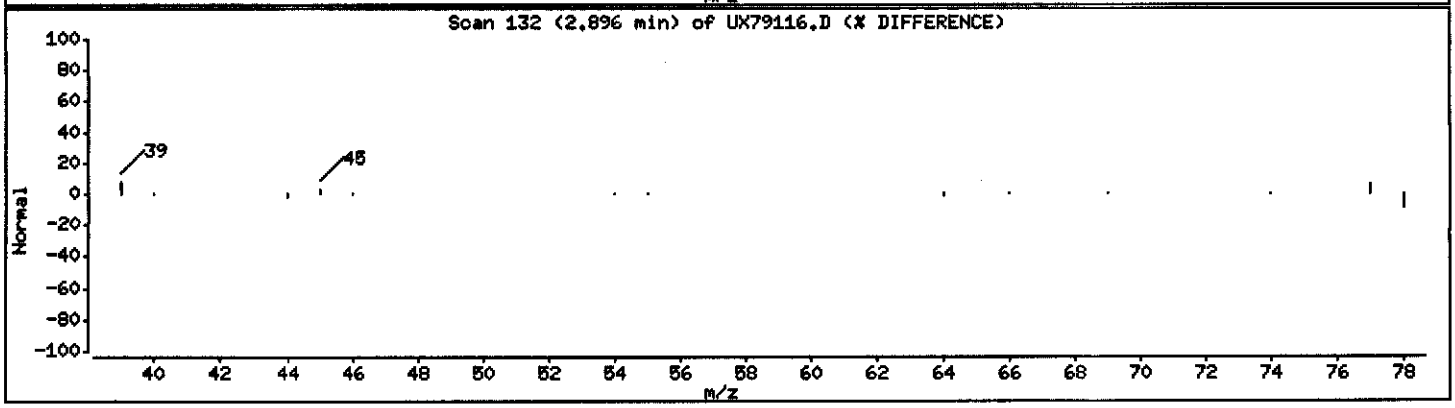
Column phase: DB624 20m Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.2232 ug/L









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Date : 23-AUG-2004 16:17

Client ID: DW002/081604

Instrument: a3ux7.i

Sample Info: GH9XK1AA,5ML/5ML

Purge Volume: 5.0

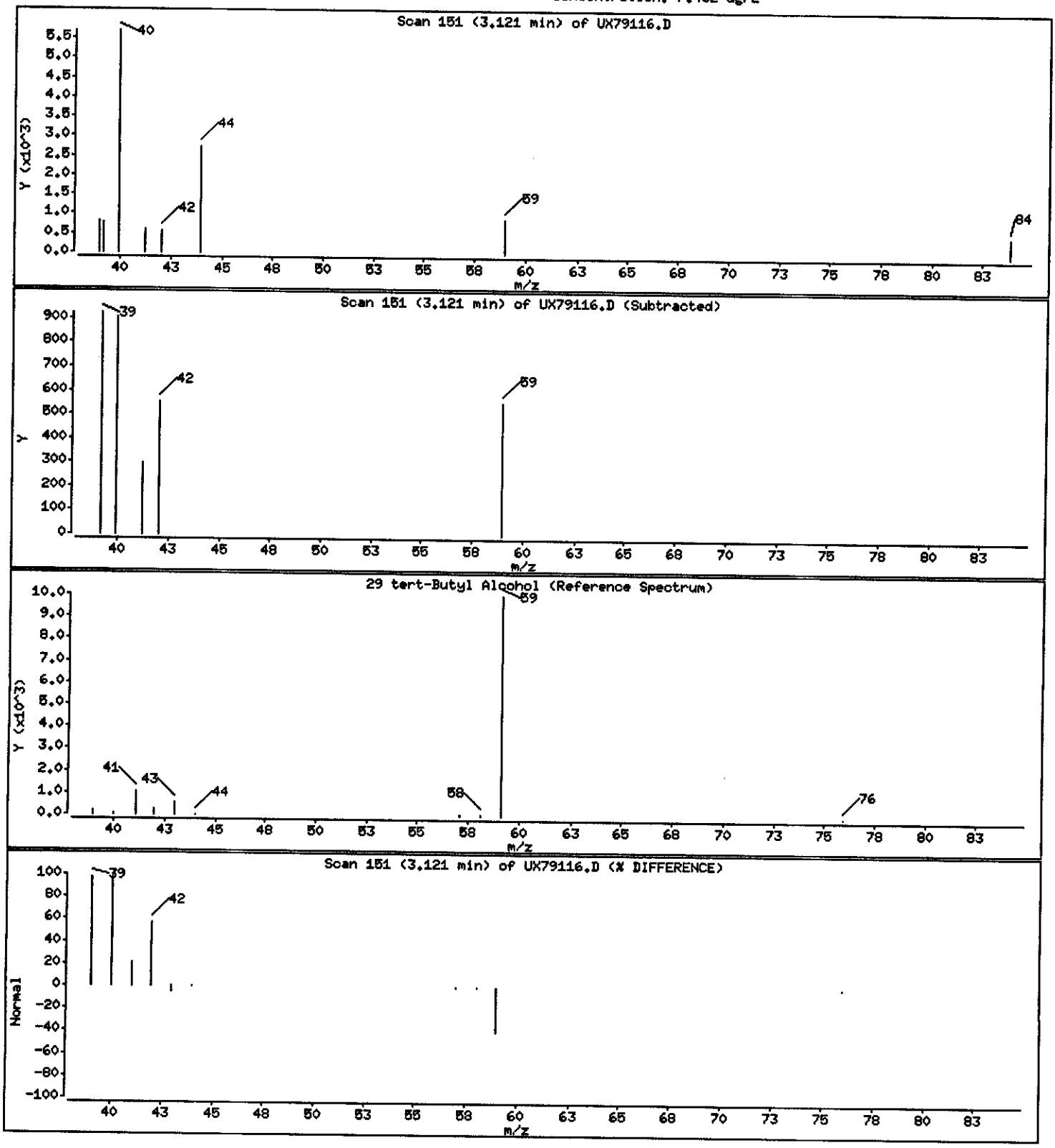
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

29 tert-Butyl Alcohol

Concentration: 7.462 ug/L



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Date : 23-AUG-2004 16:17

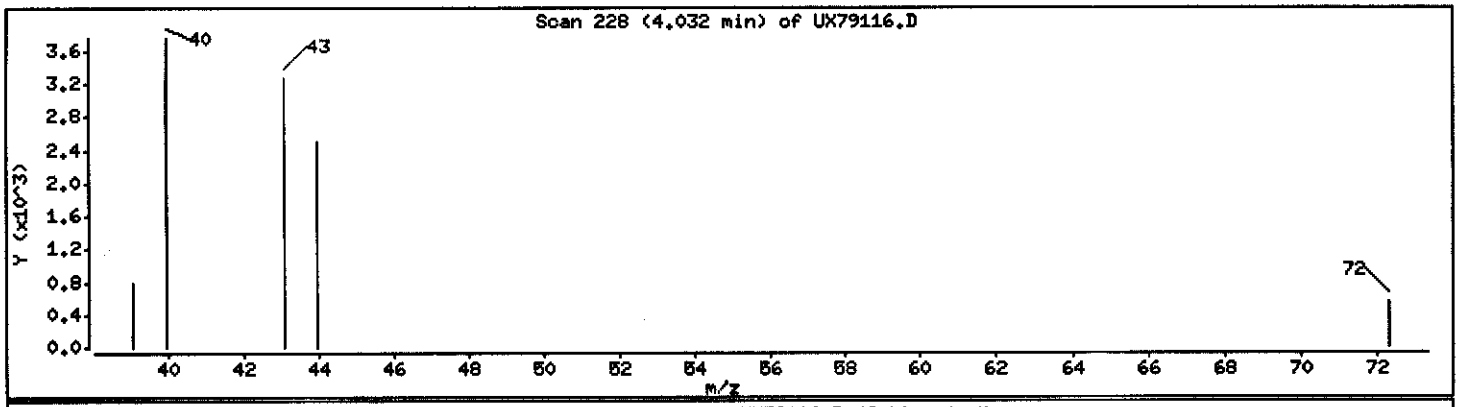
Client ID: DW002/081604 Instrument: a3ux7.i

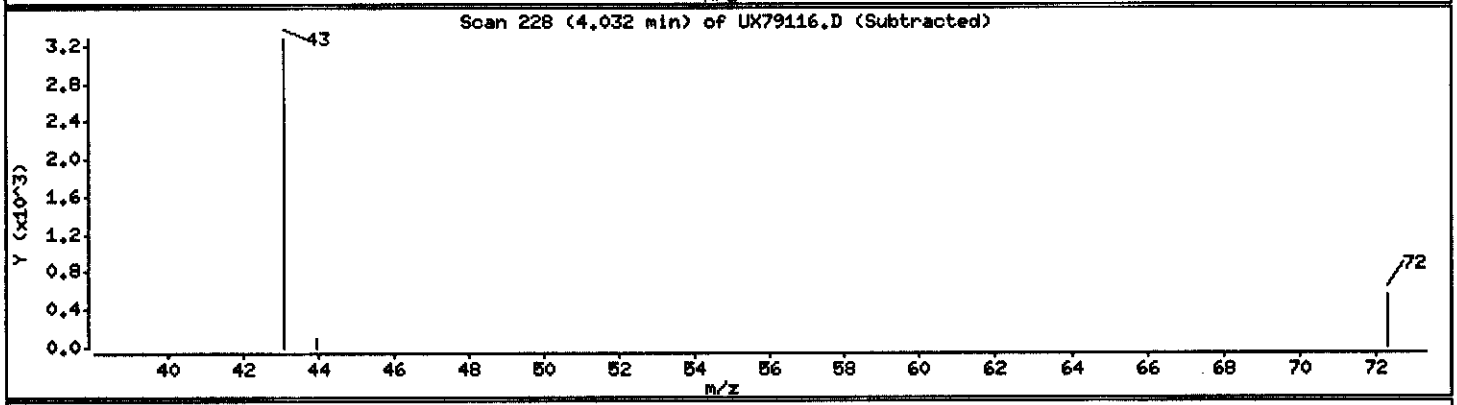
Sample Info: GM9XK1AA,5ML/5ML

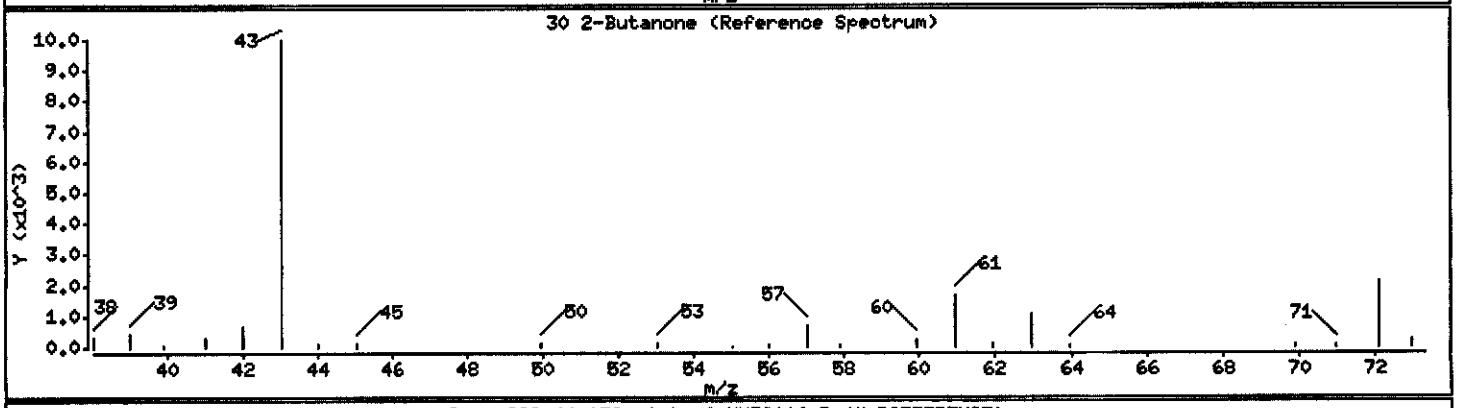
Purge Volume: 5.0 Operator: 1754

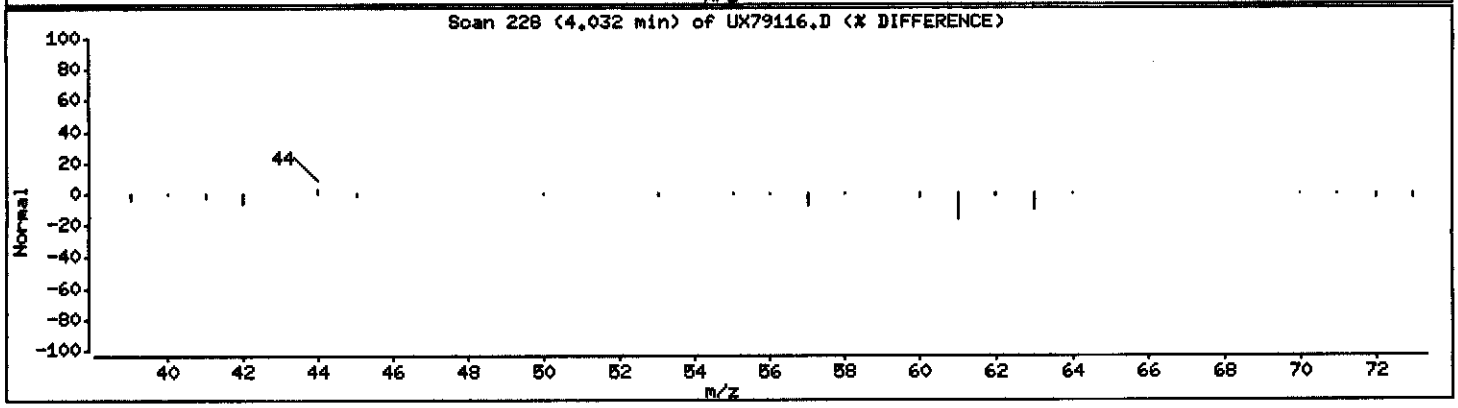
Column phase: DB624 20m Column diameter: 0.18

30 2-Butanone Concentration: 1.098 ug/L









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Date : 23-AUG-2004 16:17

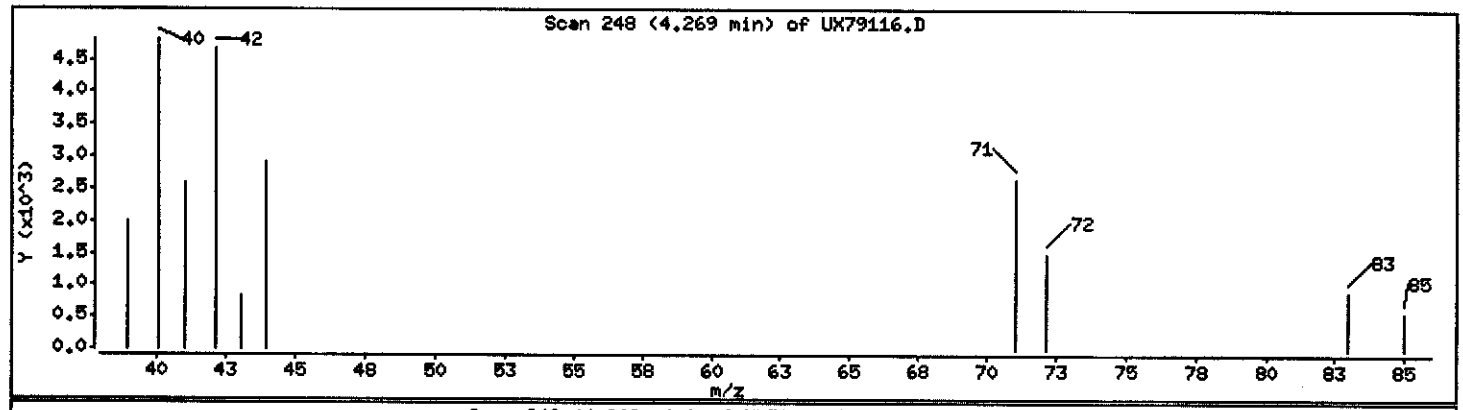
Client ID: DW002/081604 Instrument: a3ux7.i

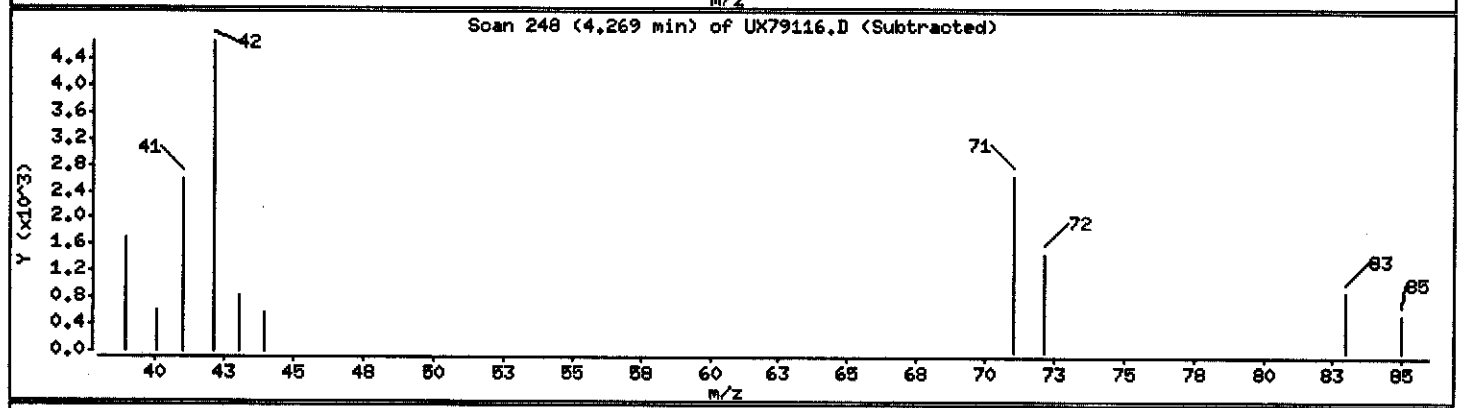
Sample Info: GM9XK1AA,5ML/5ML

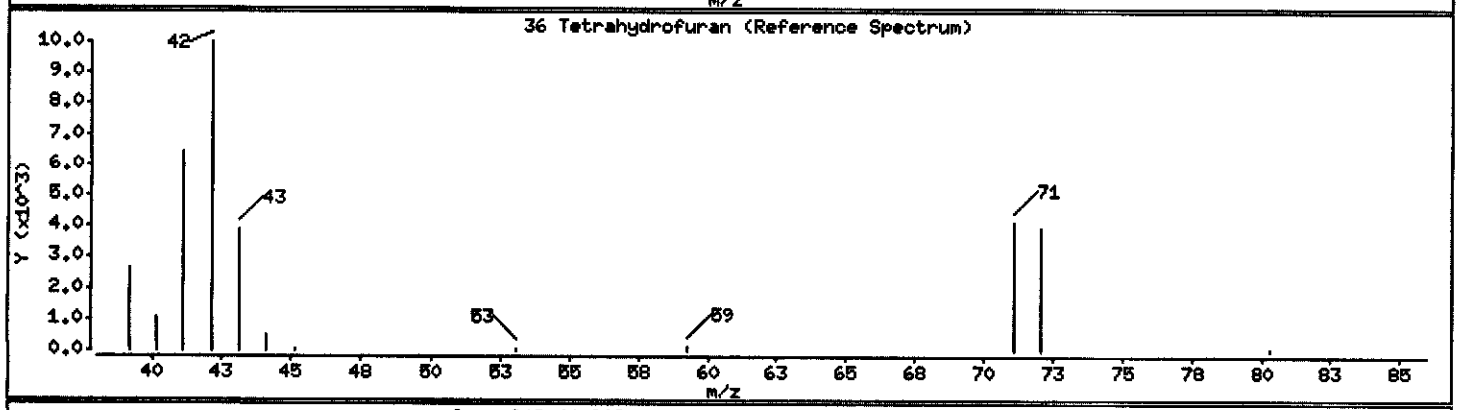
Purge Volume: 5.0 Operator: 1754

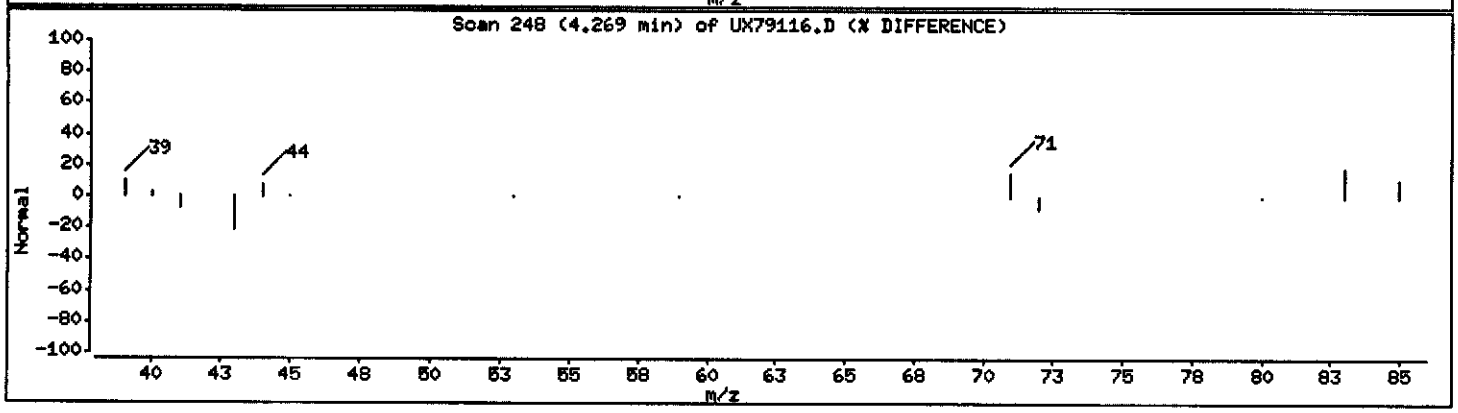
Column phase: DB624 20m Column diameter: 0.18

36 Tetrahydrofuran Concentration: 2.083 ug/L









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Date : 23-AUG-2004 16:17

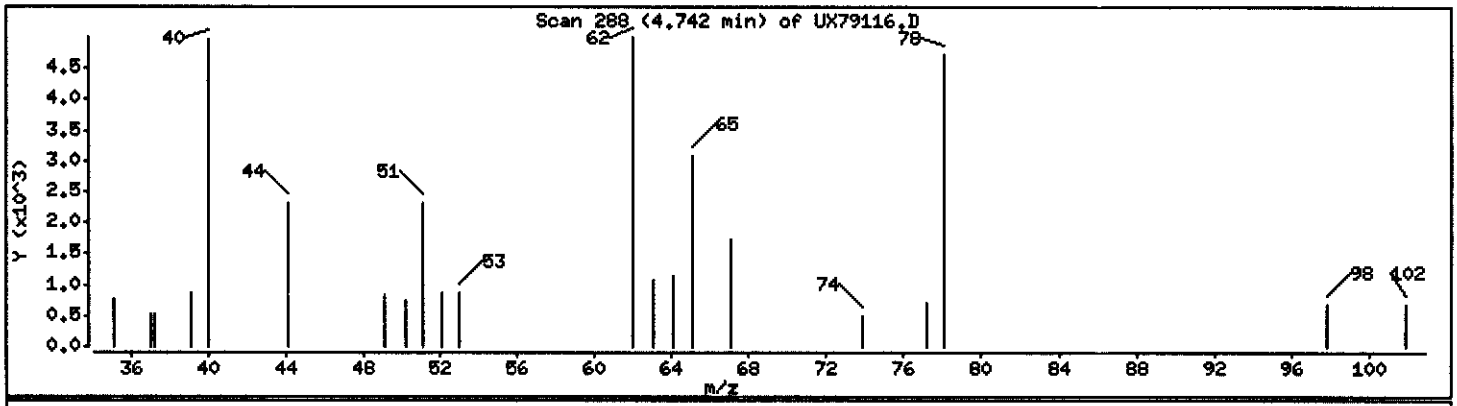
Client ID: DW002/081604 Instrument: a3ux7.i

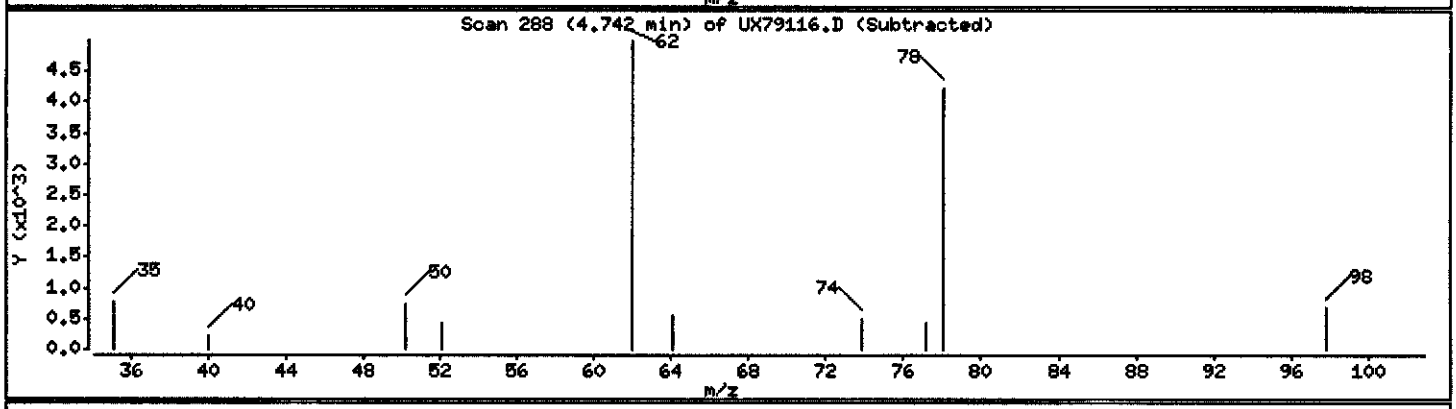
Sample Info: GM9XK1AA,5ML/5ML

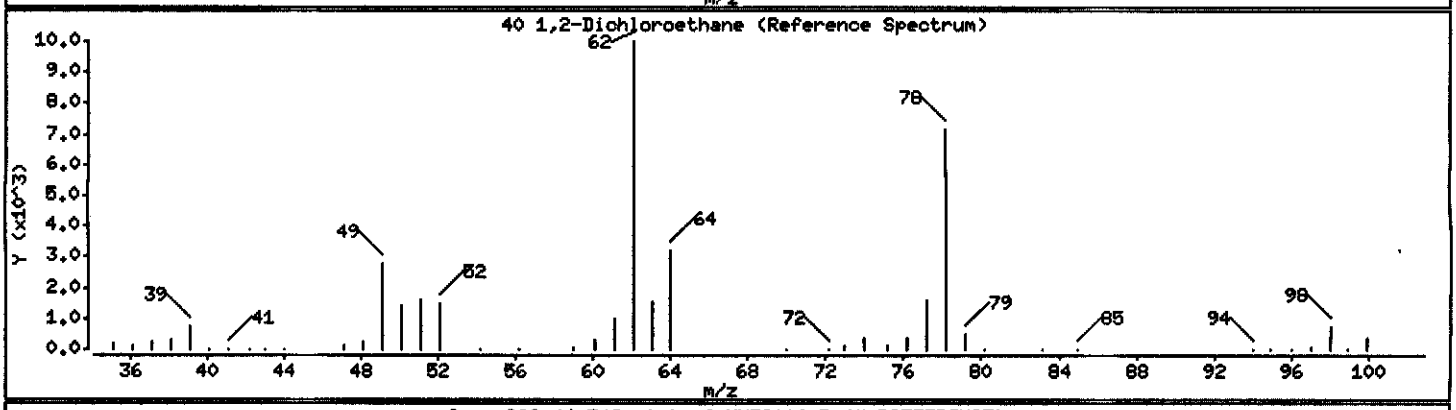
Purge Volume: 5.0 Operator: 1754

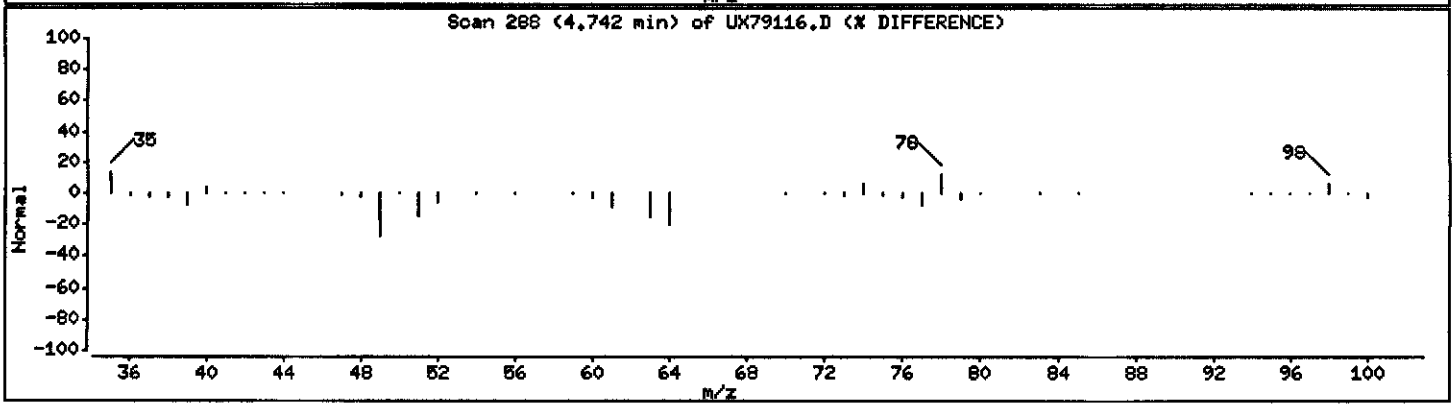
Column phase: DB624 20m Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 0.2132 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79116.D

Date : 23-AUG-2004 16:17

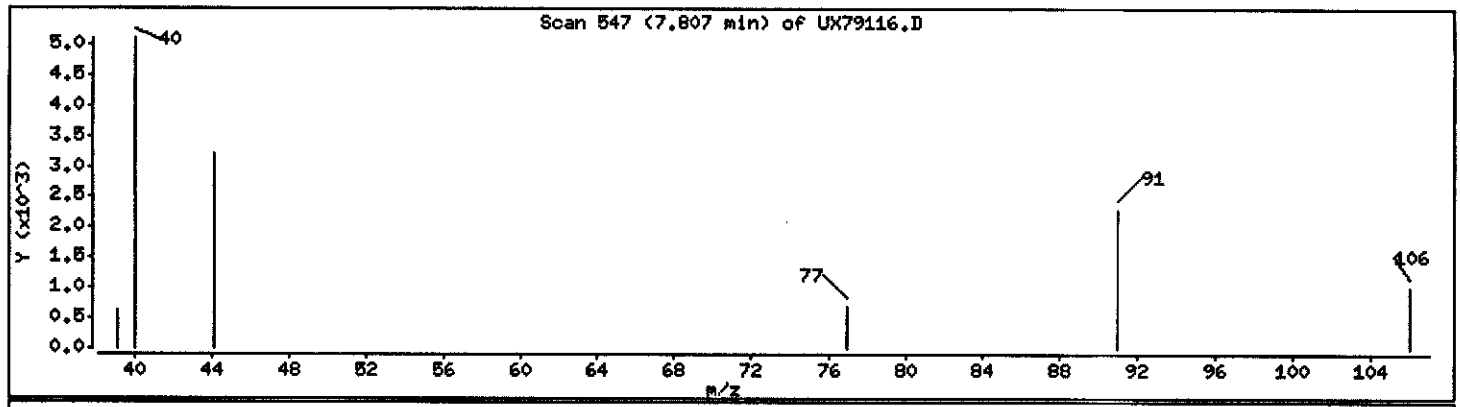
Client ID: DW002/081604 Instrument: a3ux7.i

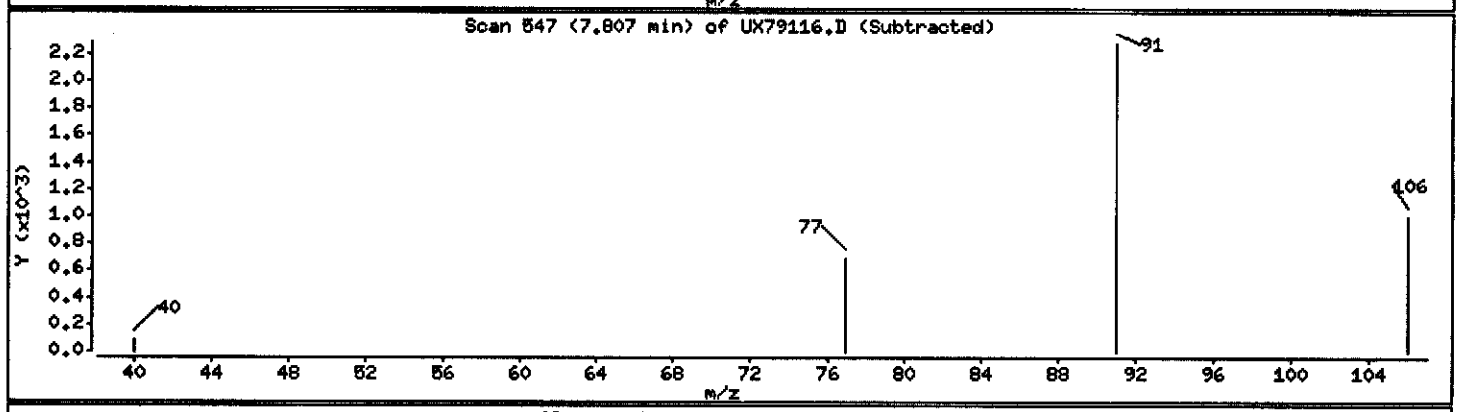
Sample Info: GH9XK1AA,5ML/5ML

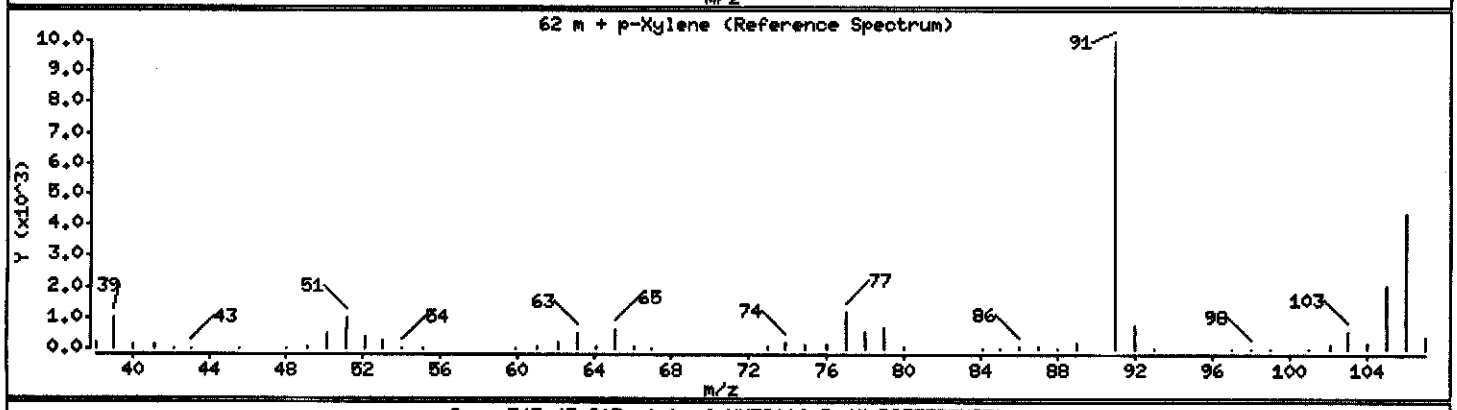
Purge Volume: 5.0 Operator: 1754

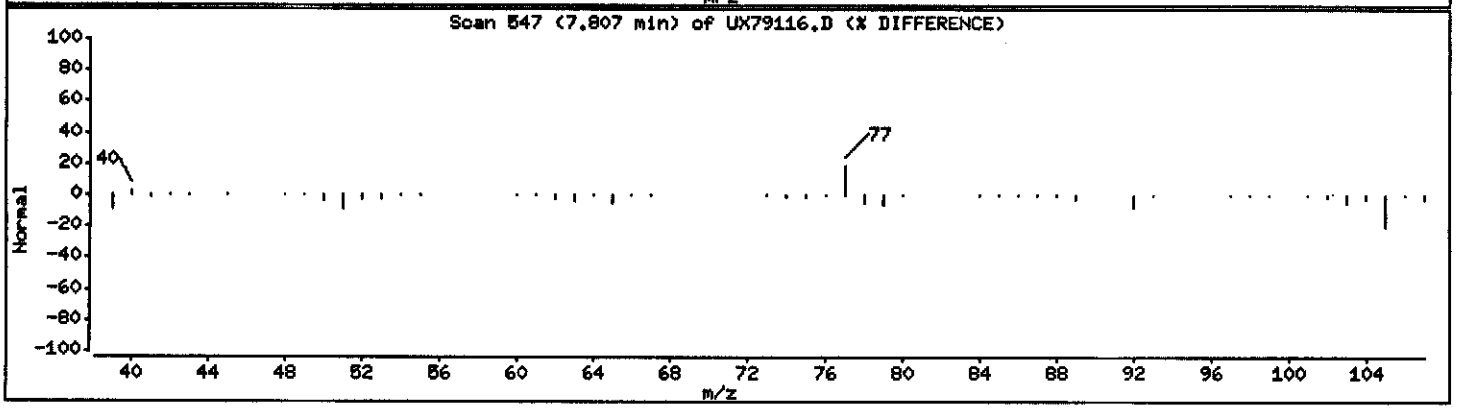
Column phase: DB624 20m Column diameter: 0.18

62 m + p-Xylene Concentration: 1.504 ug/L









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Date : 23-AUG-2004 16:17

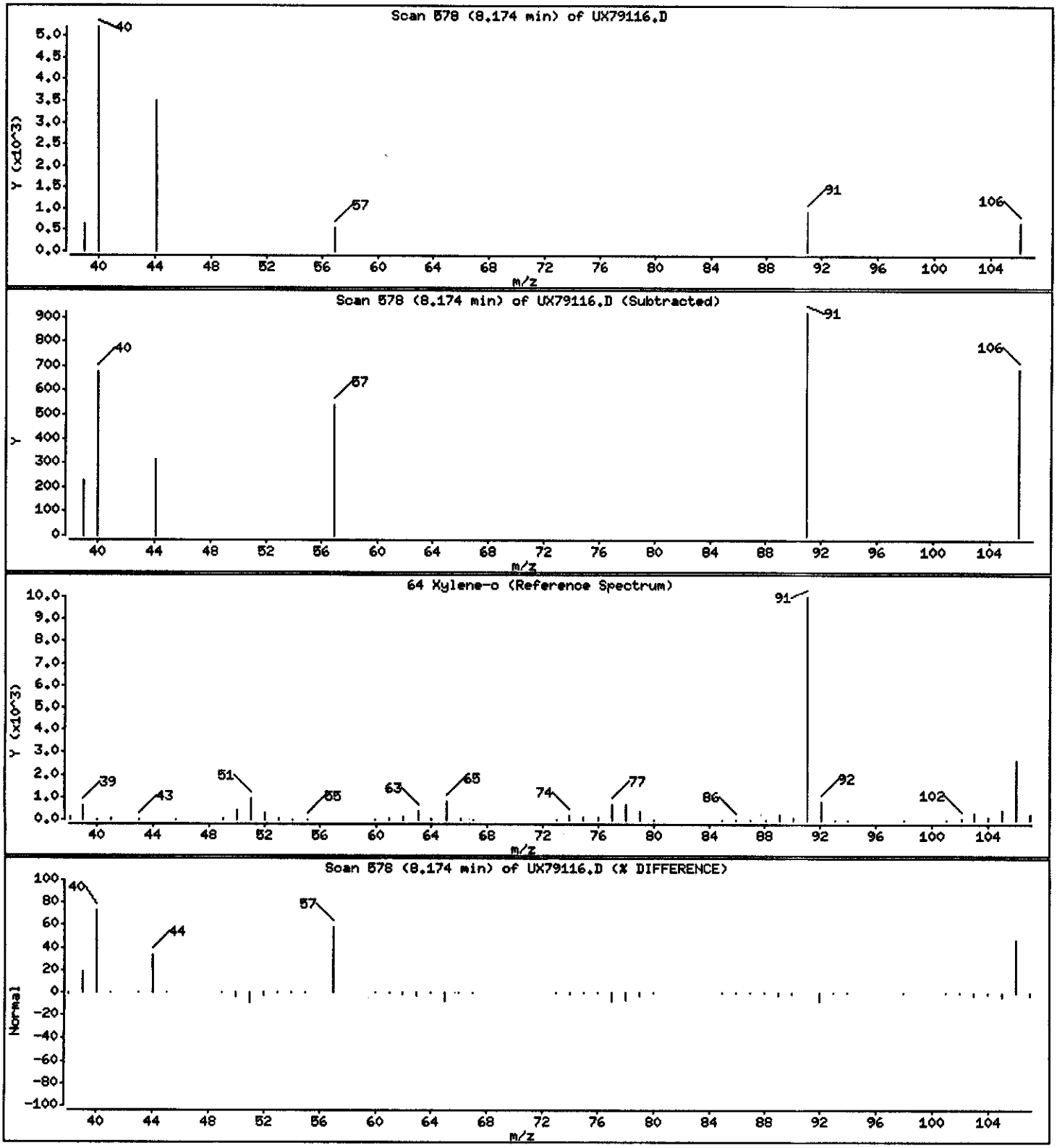
Client ID: DW002/081604 Instrument: a3ux7.i

Sample Info: GM9XK1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

64 Xylene-o Concentration: 0.7779 ug/L



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Date : 23-AUG-2004 16:17

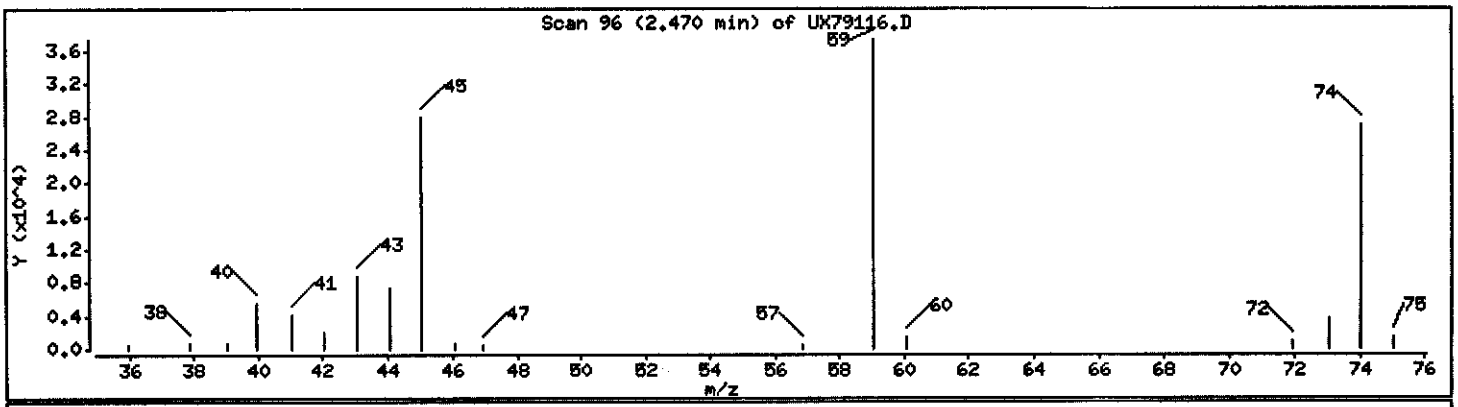
Client ID: DW002/081604 Instrument: a3ux7.i

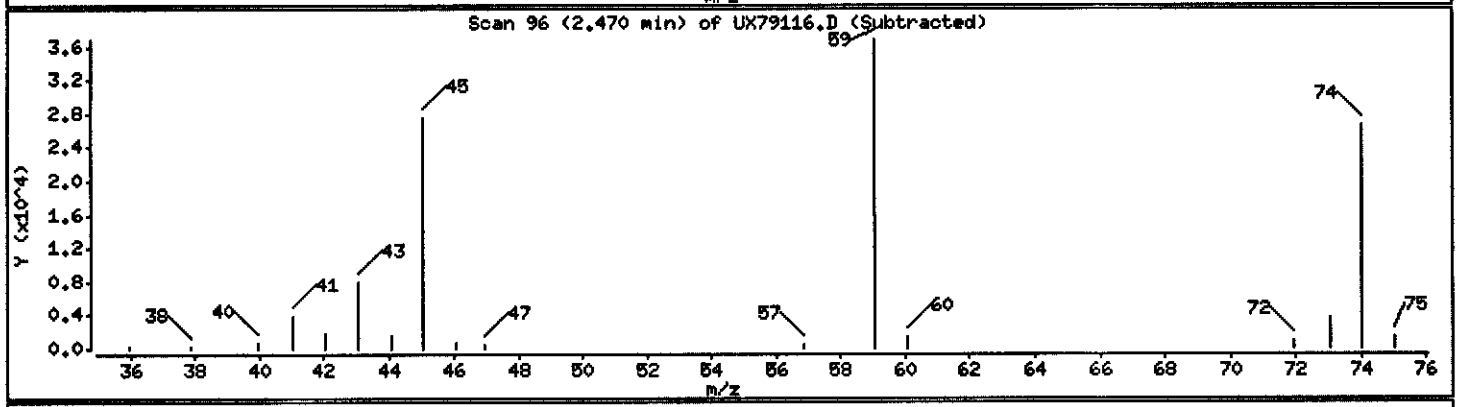
Sample Info: GM9XK1AA,5ML/5ML

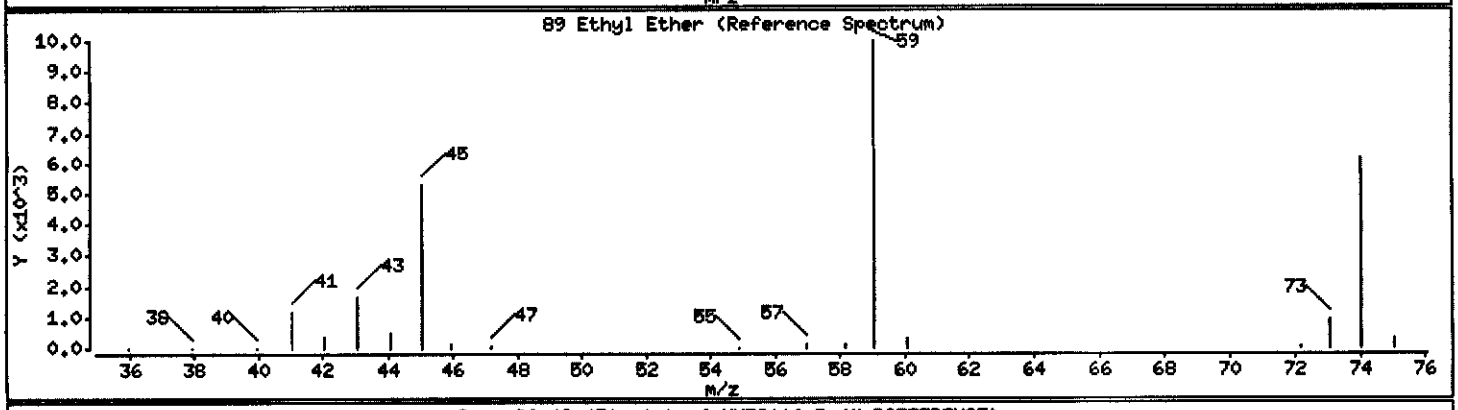
Purge Volume: 5.0 Operator: 1754

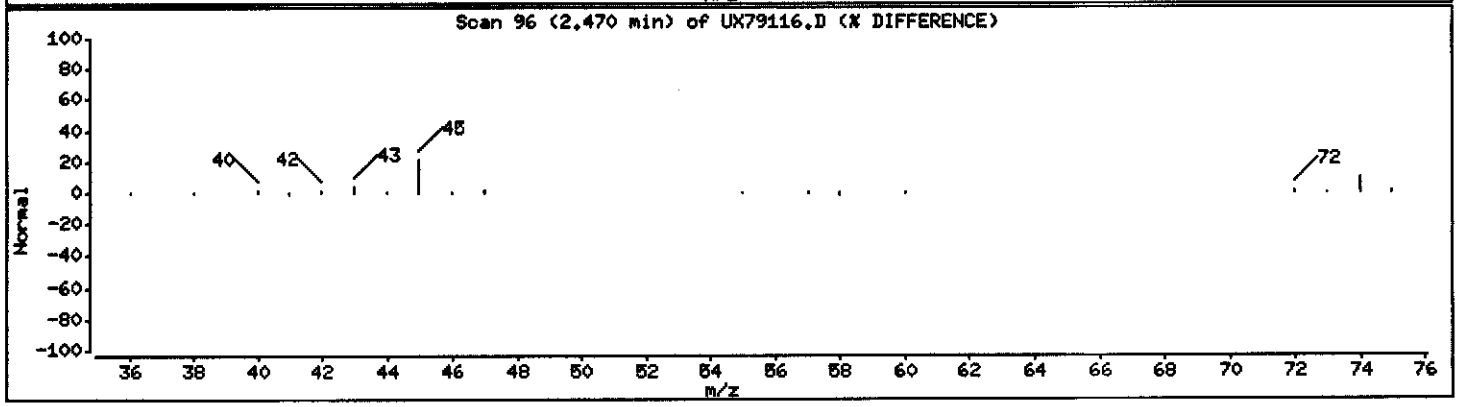
Column phase: DB624 20m Column diameter: 0.18

89 Ethyl Ether Concentration: 5.147 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79116.D

Date : 23-AUG-2004 16:17

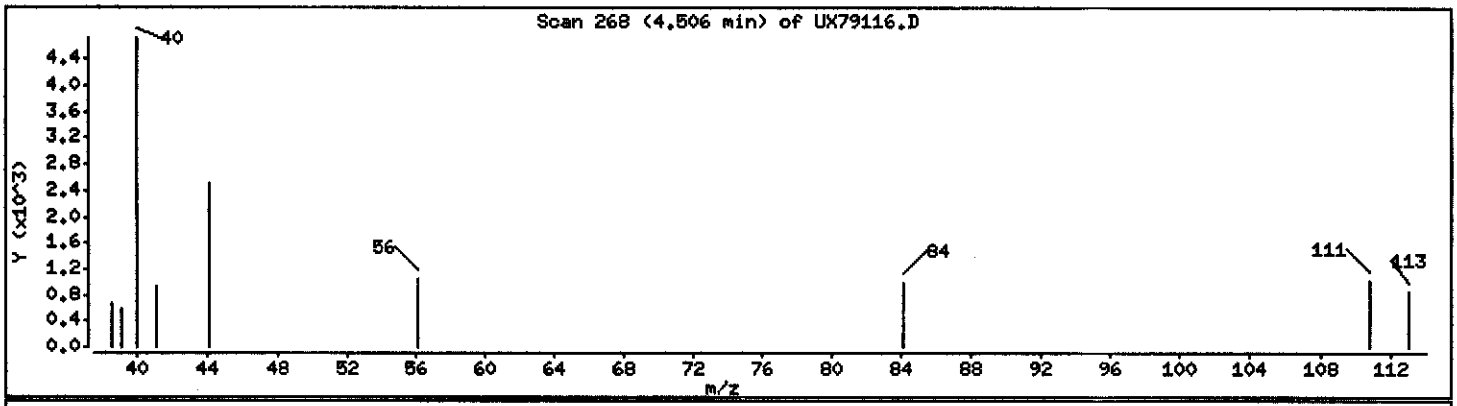
Client ID: DW002/081604 Instrument: a3ux7.i

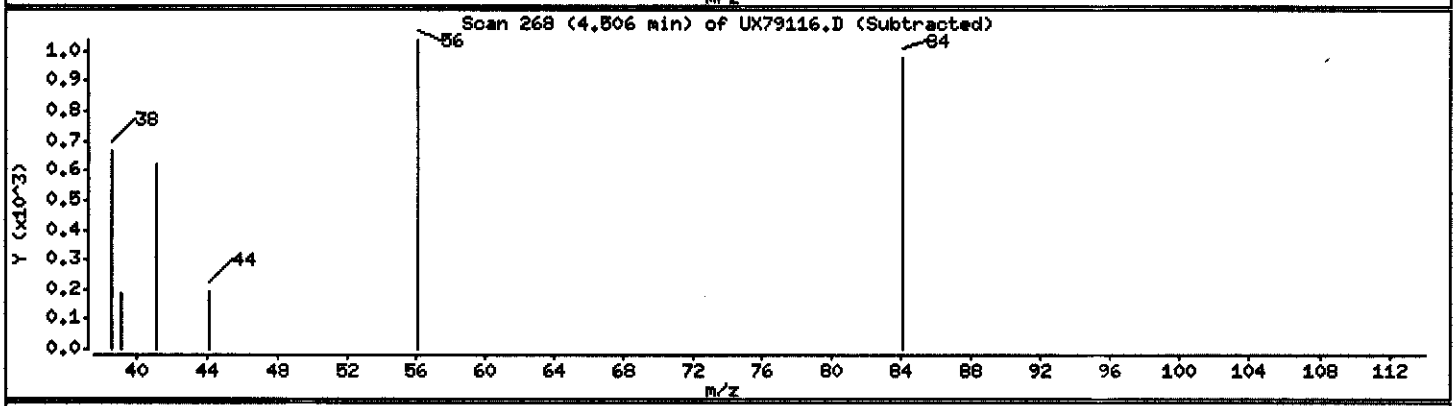
Sample Info: GM9XK1AA,5ML/5ML

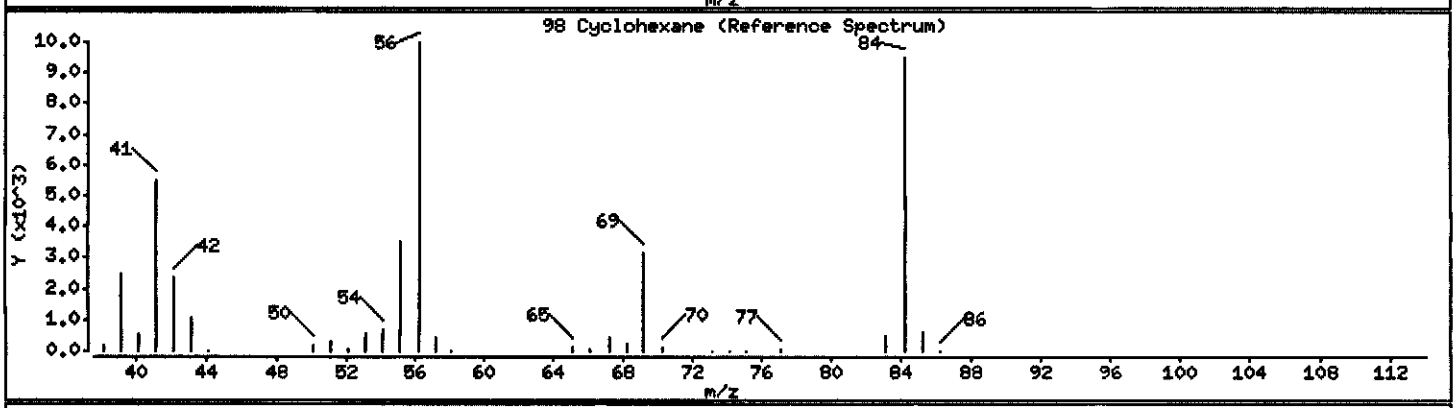
Purge Volume: 5.0 Operator: 1754

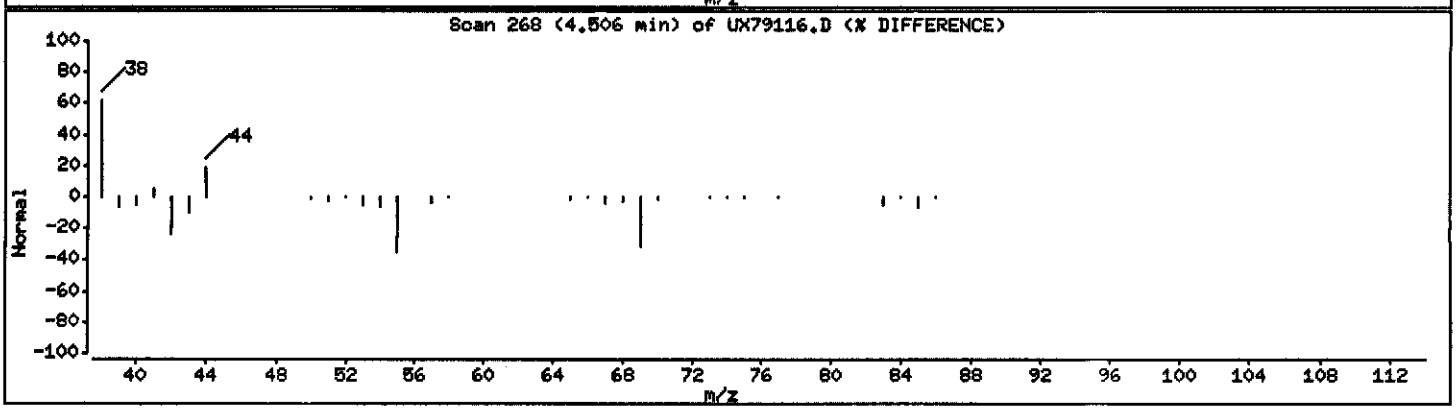
Column phase: DB624 20m Column diameter: 0.18

98 Cyclohexane Concentration: 0.7865 ug/L









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Date : 23-AUG-2004 16:17

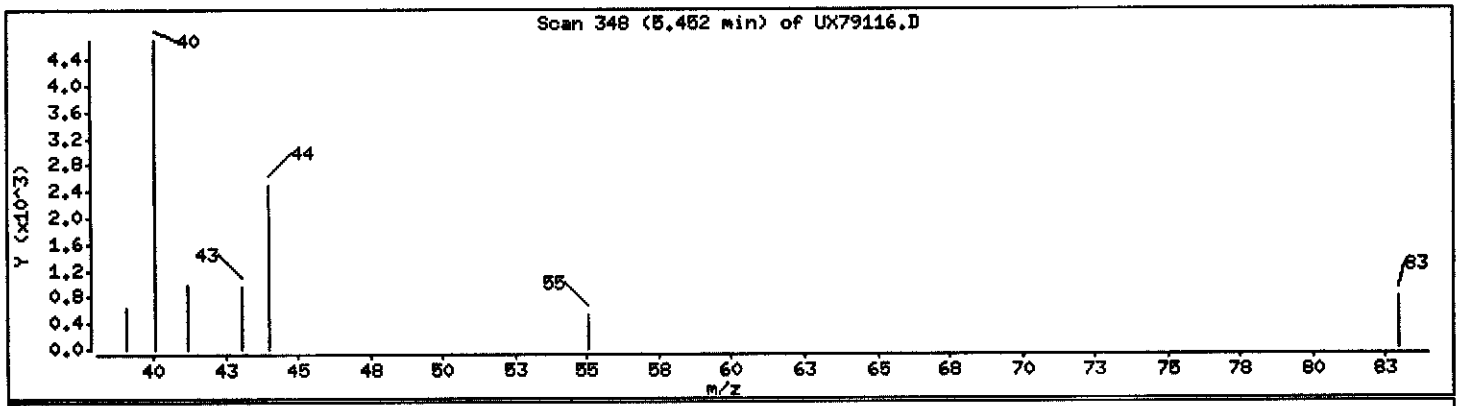
Client ID: DW002/081604 Instrument: a3ux7.i

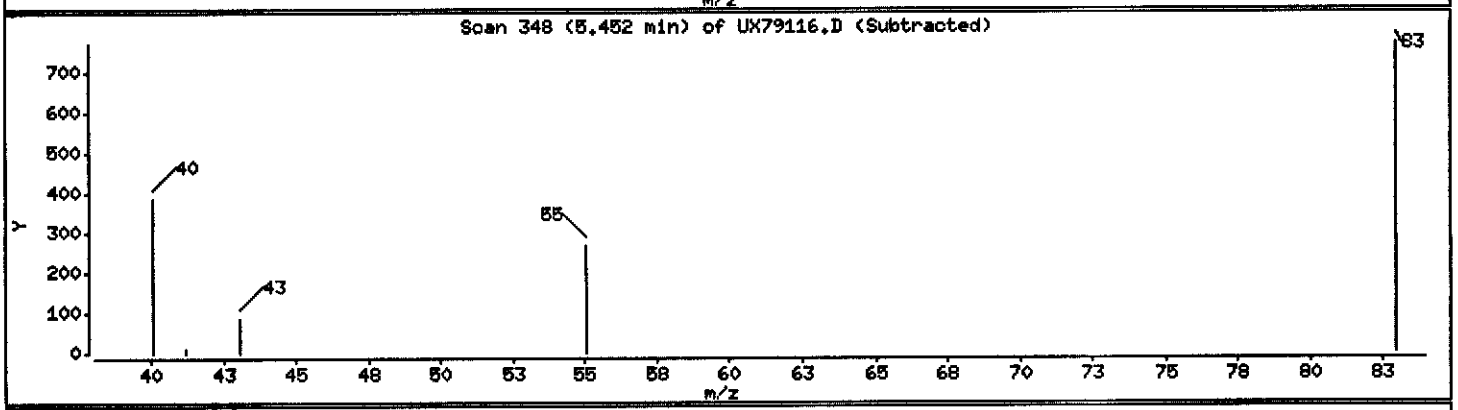
Sample Info: CM9XK1AA,5ML/5ML

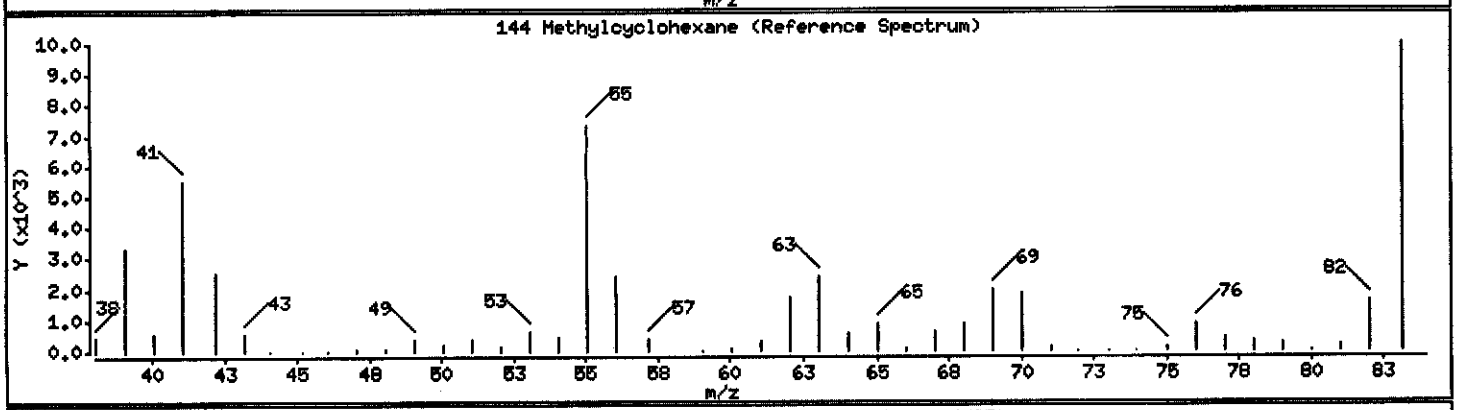
Purge Volume: 5.0 Operator: 1754

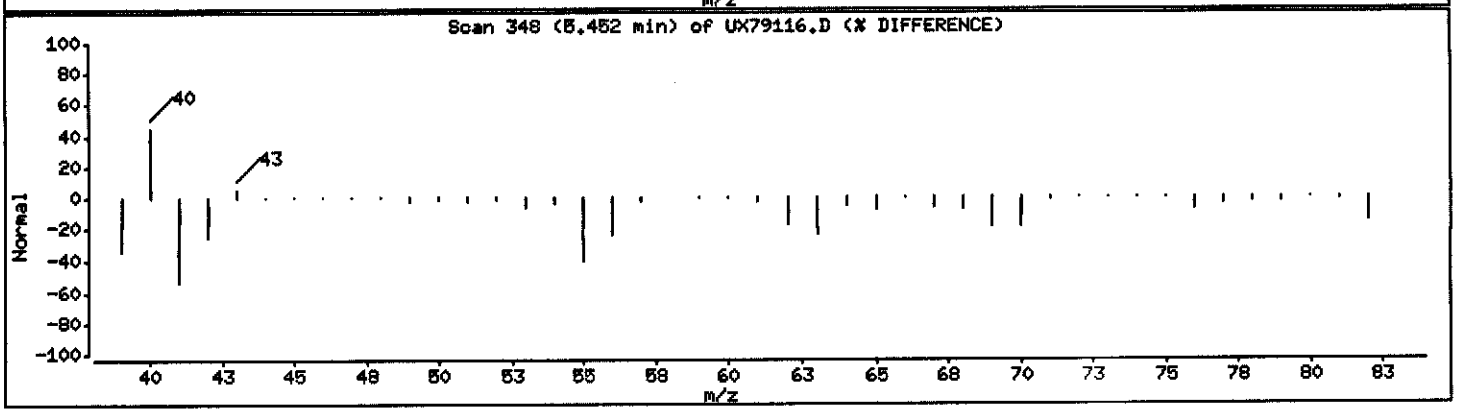
Column phase: DB624 20m Column diameter: 0.18

144 Methylcyclohexane Concentration: 0.8830 ug/L









PAYNE FIRM INC.

Client Sample ID: DW003/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-012 **Work Order #...:** GM9XM1AA **Matrix.....:** WG
Date Sampled...: 08/16/04 12:01 **Date Received..:** 08/17/04
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4238597
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**2.3 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	**0.40 J,B**	**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	**0.33 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	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	**0.40 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: DW003/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-012 **Work Order #...:** GM9XM1AA **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	**0.35 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	**0.63 J,B**	**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	**0.19 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	104	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

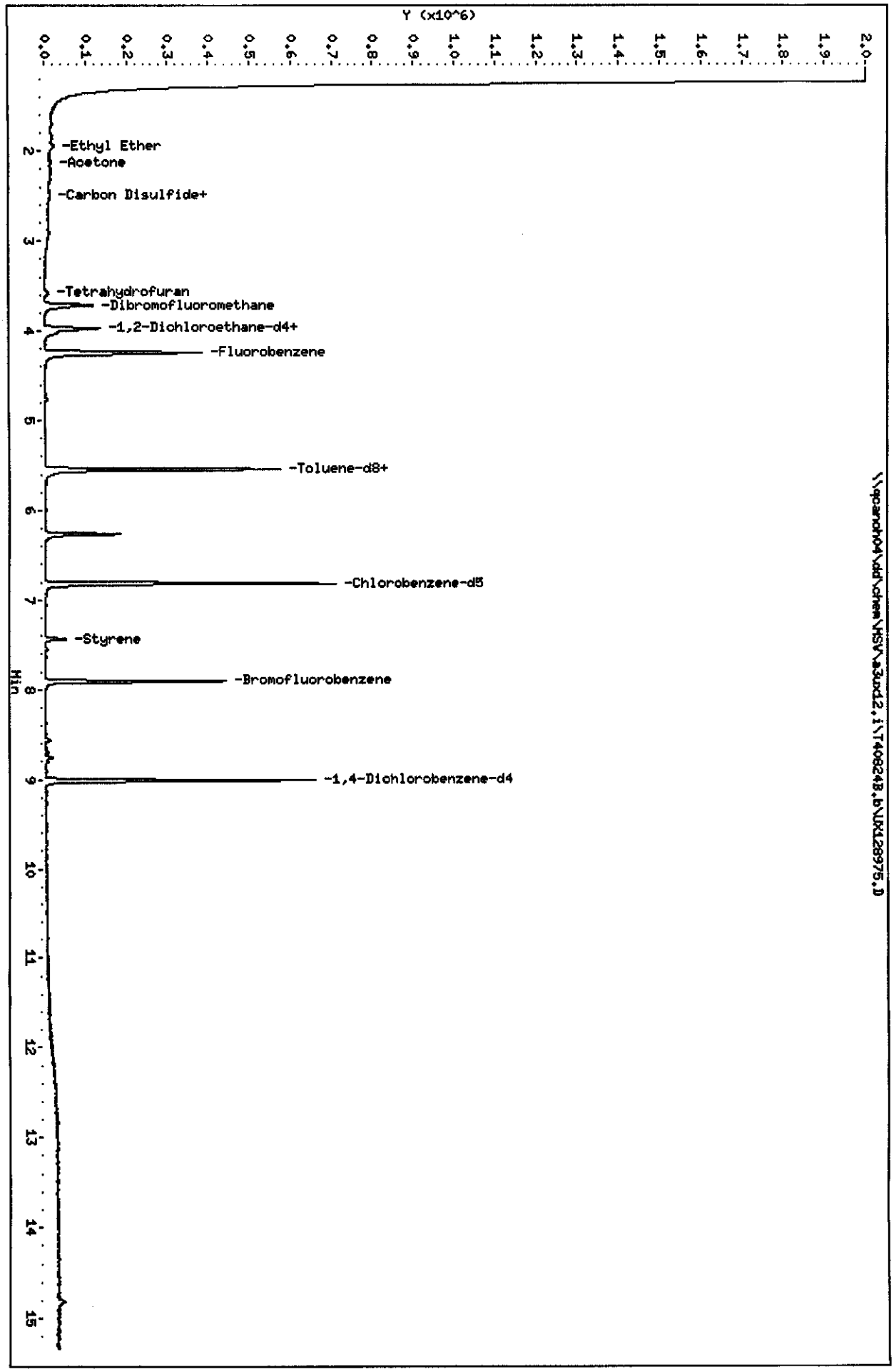
NOTE(S):

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: \\qcandh04\dd\chem\HSV\a3ux12.i\T408248.b\UX128975.D
Date : 25-AUG-2004 05:15
Client ID: DW003/081604
Sample Info: GH900LAA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128975.D
Report Date: 25-Aug-2004 18:32

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128975.D
Lab Smp Id: GM9XM1AA Client Smp ID: DW003/081604
Inj Date : 25-AUG-2004 05:15
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GM9XM1AA,5ML/5ML
Misc Info : T40824B,8260LLUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 25-Aug-2004 18:24 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

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	4.242	4.242	(1.000)	434604	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	418533	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.012	9.011	(1.000)	179557	50.0000	
$ 4 Dibromofluoromethane	113	3.713	3.713	(0.875)	94868	51.8916	10.378
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	118088	51.2990	10.260
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	407357	47.2361	9.447
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	147189	40.7443	8.149
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	2.119	2.119	(0.500)	24253	11.3351	2.267
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128975.D
Report Date: 25-Aug-2004 18:32

	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	2.313	2.307	(0.545)	12359	1.66321	0.3326
	21 Methylene Chloride	84	2.514	2.526	(0.593)	4388	1.77024	0.3540
	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	57	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	3.573	3.567	(0.842)	7122	7.75219	1.550
	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	4.029	4.035	(0.950)	5799	1.98589	0.3972
	41 Benzene	78	4.023	4.023	(0.948)	19292	2.00013	0.4000
	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	5.605	5.605	(0.822)	10607	0.93487	0.1870
	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	7.436	7.436	(1.091)	27772	3.17247	0.6345
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128975.D
Report Date: 25-Aug-2004 18:32

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
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	1.948	1.942	(0.459)	11454	6.31548	1.263
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\a3ux12.i\T40824B.b\UX128975.D

Date : 25-AUG-2004 05:15

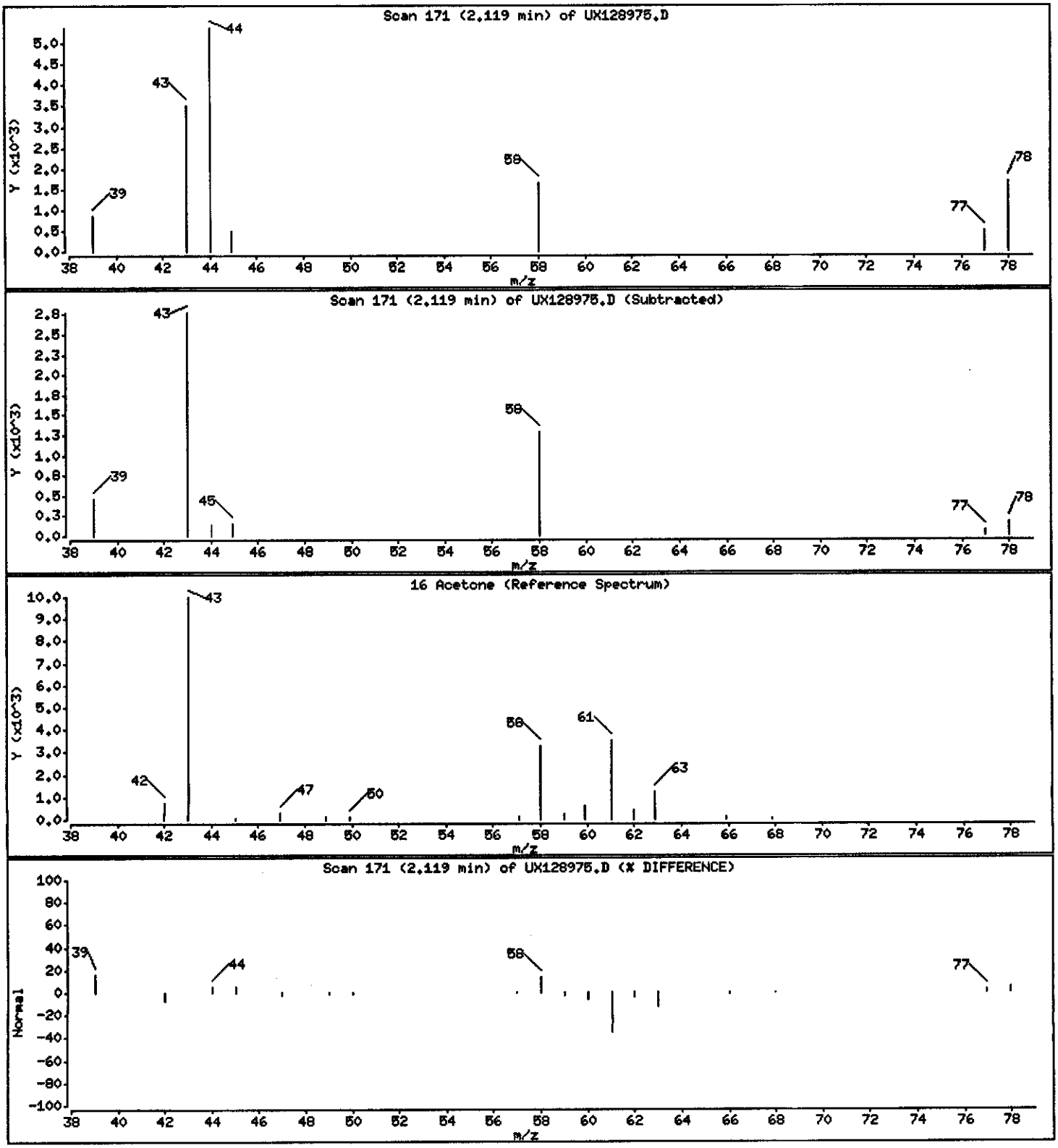
Client ID: DW003/081604 Instrument: a3ux12.i

Sample Info: GM9XM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 2.267 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128975.D

Date : 25-AUG-2004 05:15

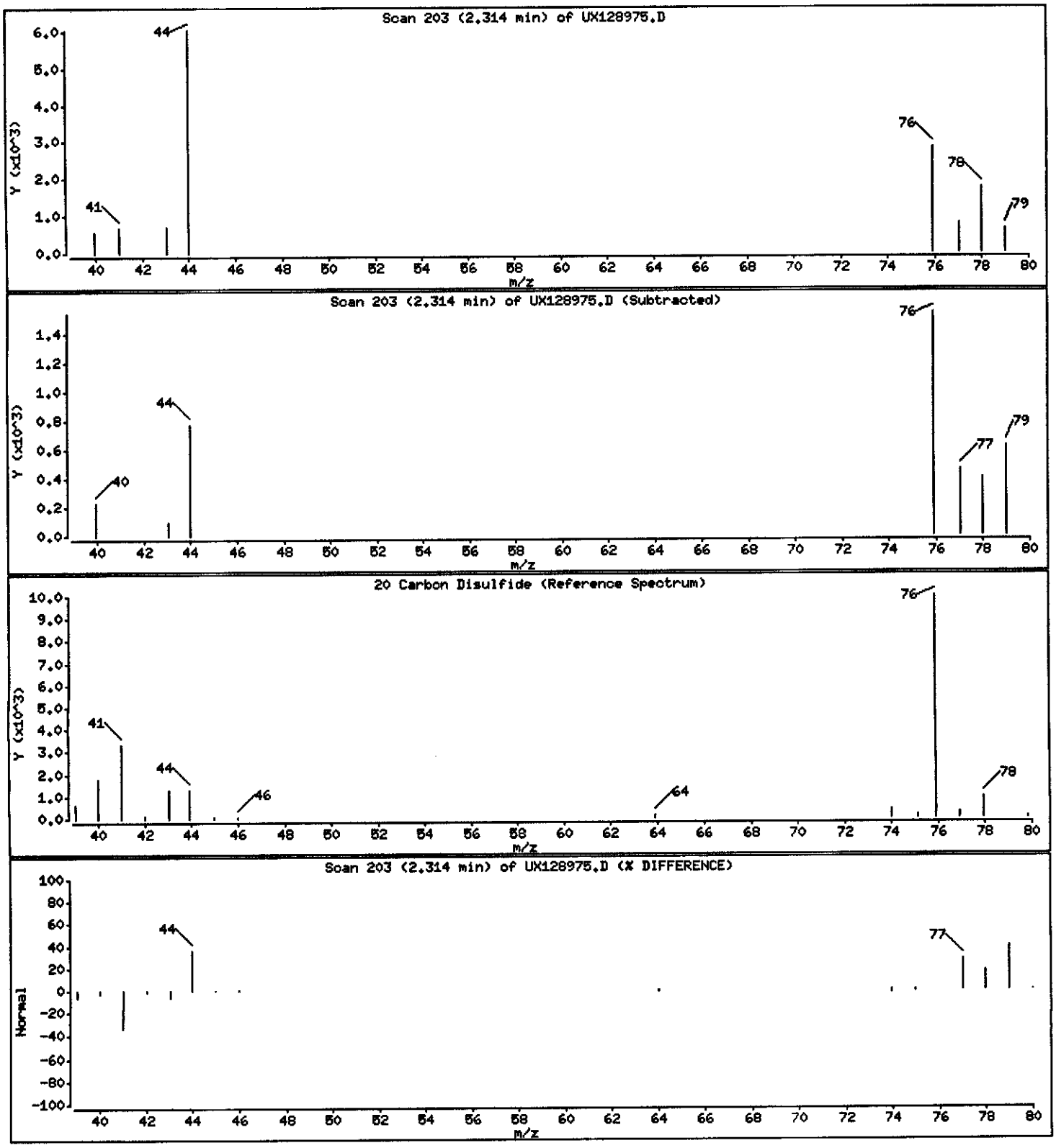
Client ID: DW003/081604 Instrument: a3ux12.i

Sample Info: GM9XM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.3326 ug/L



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Date : 25-AUG-2004 05:15

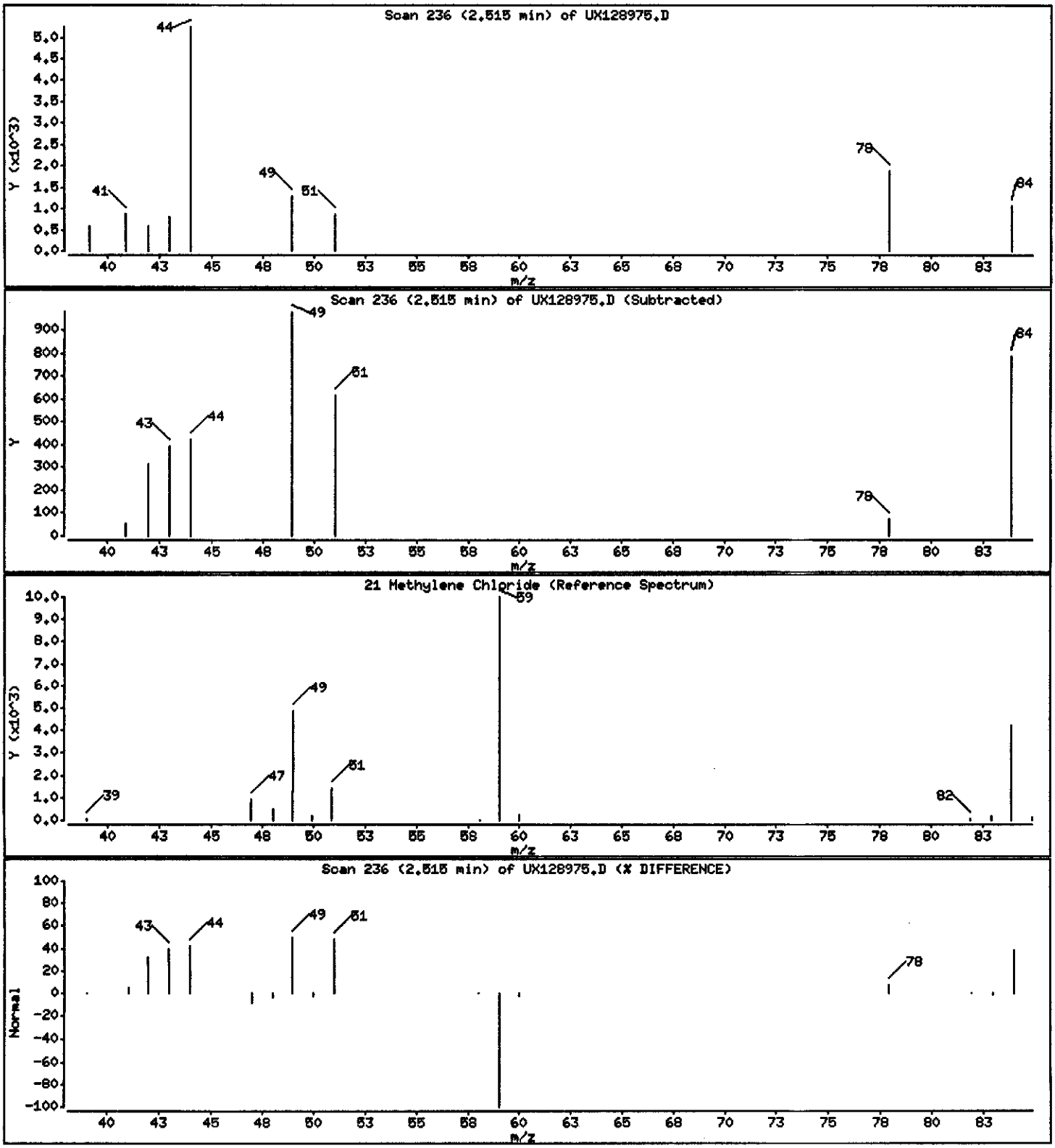
Client ID: DW003/081604 Instrument: a3ux12.i

Sample Info: CM9XM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

21 Methylene Chloride Concentration: 0.3540 ug/L



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Date : 25-AUG-2004 05:15

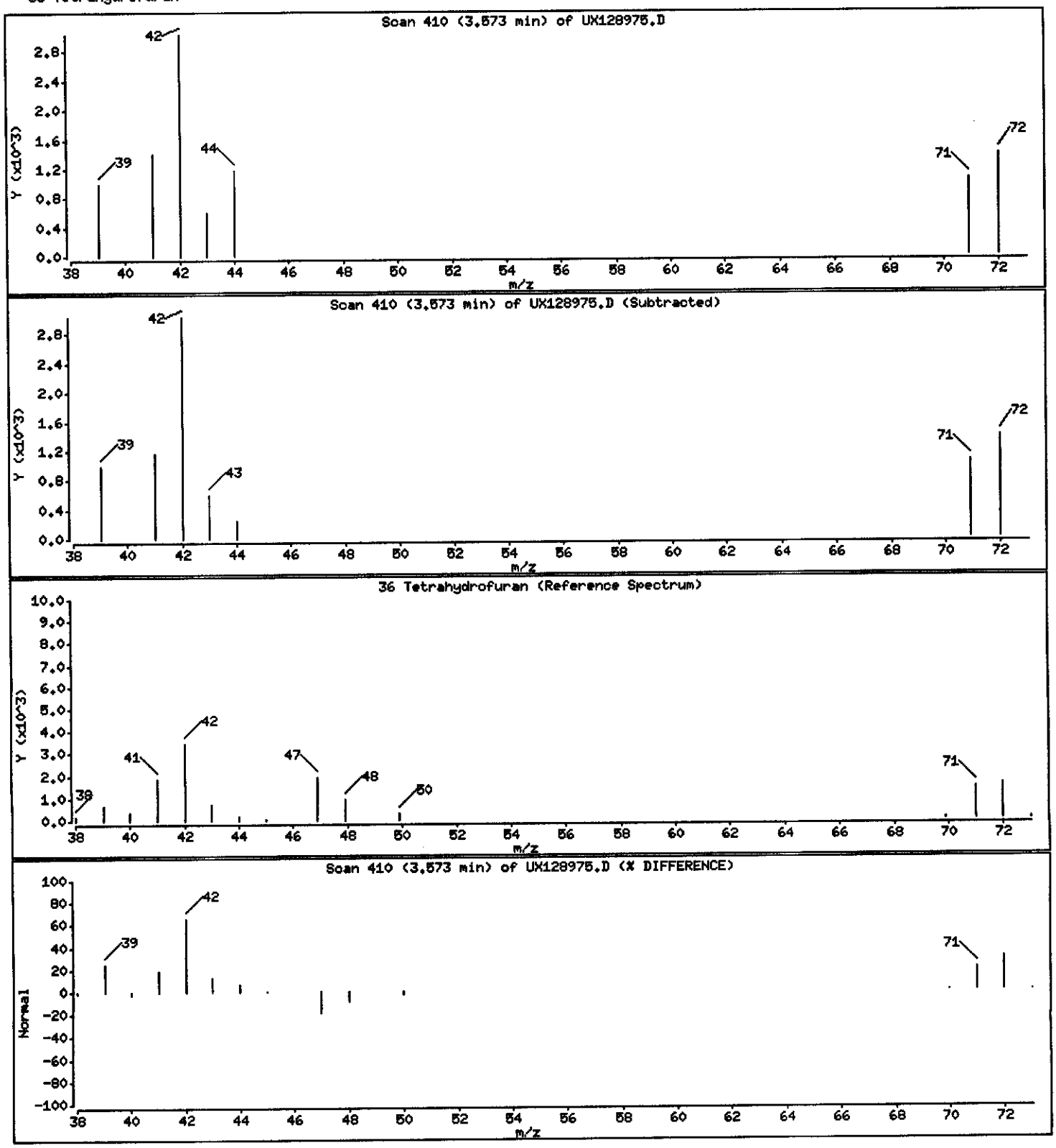
Client ID: DW003/081604 Instrument: a3ux12.i

Sample Info: CM9XM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 1.550 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128975.D

Date : 25-AUG-2004 05:15

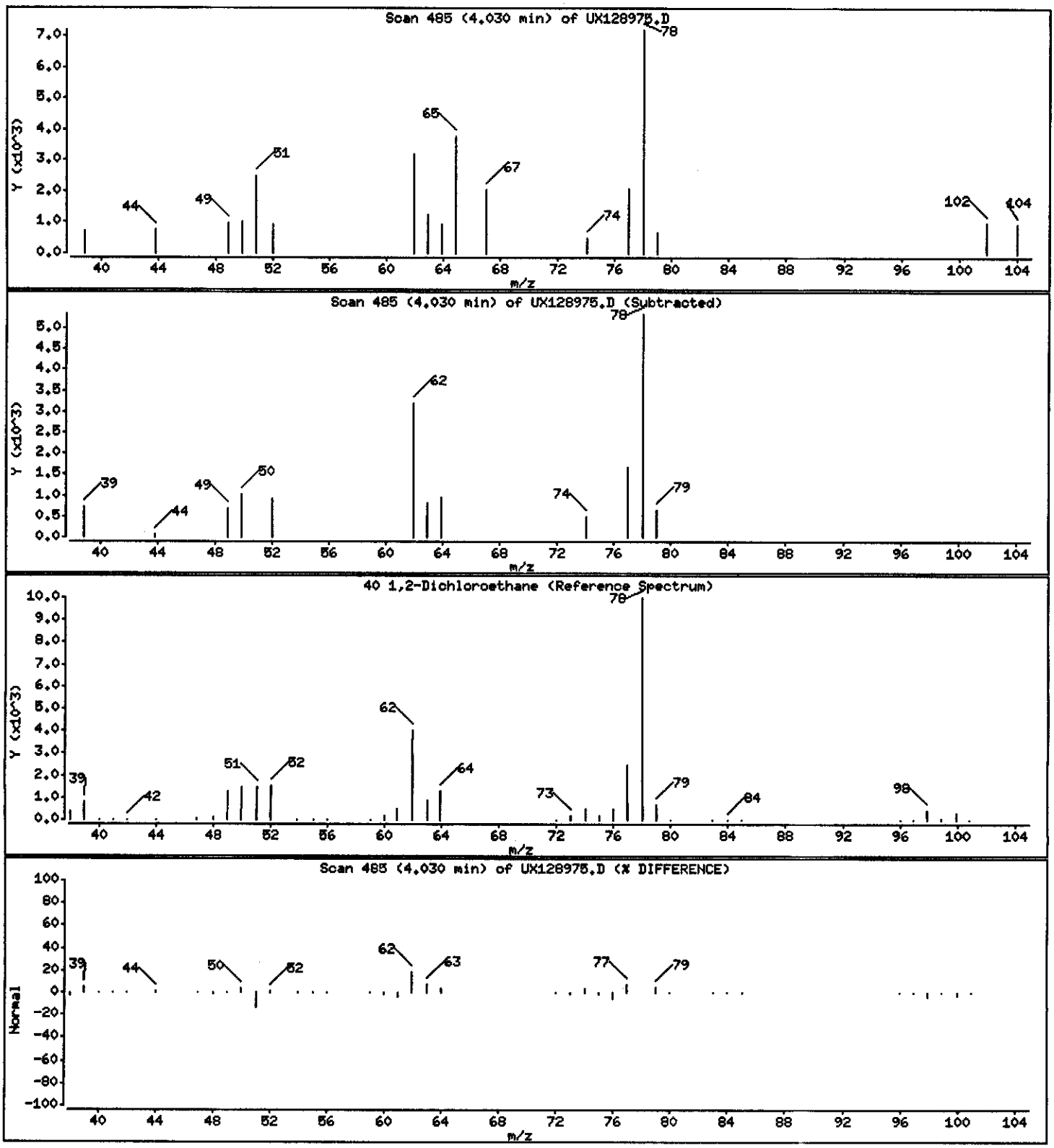
Client ID: DW003/081604 Instrument: a3ux12.i

Sample Info: GM9XM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 0.3972 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128975.D

Date : 25-AUG-2004 05:15

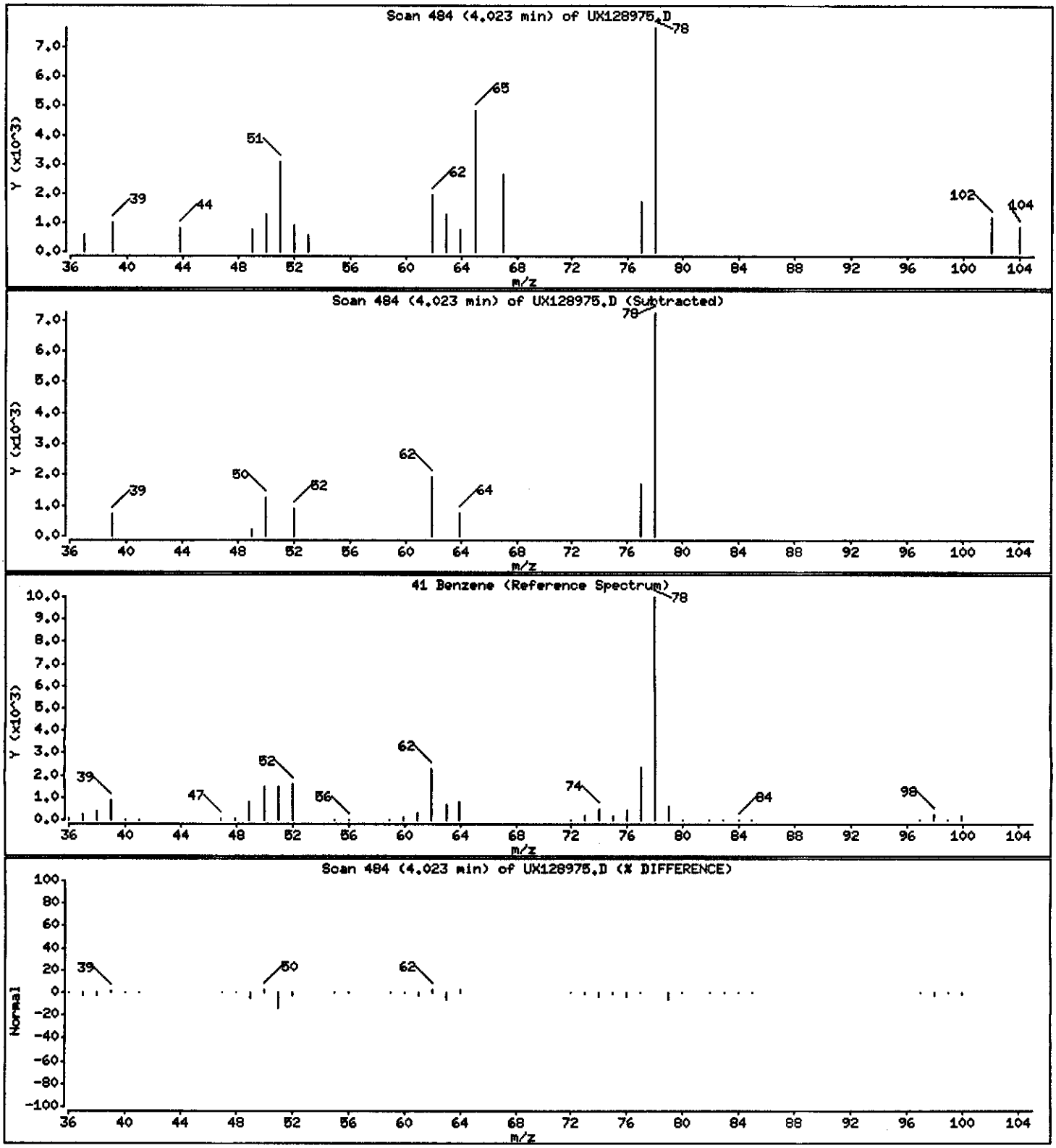
Client ID: DW003/081604 Instrument: a3ux12.i

Sample Info: GM9XM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.4000 ug/L



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Date : 25-AUG-2004 05:15

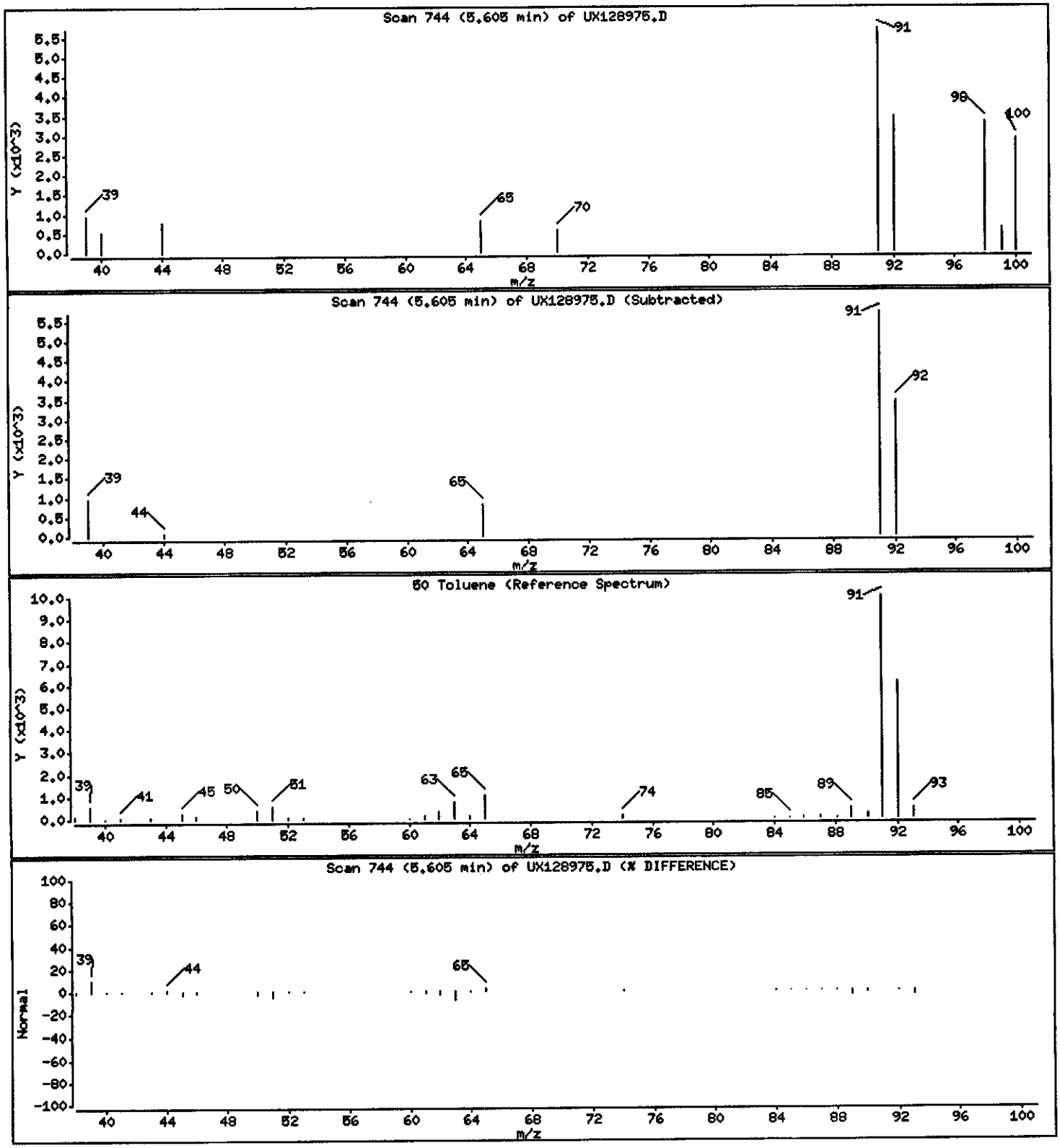
Client ID: DW003/081604 Instrument: a3ux12.i

Sample Info: GM9XM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.1870 ug/L



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Date : 25-AUG-2004 05:15

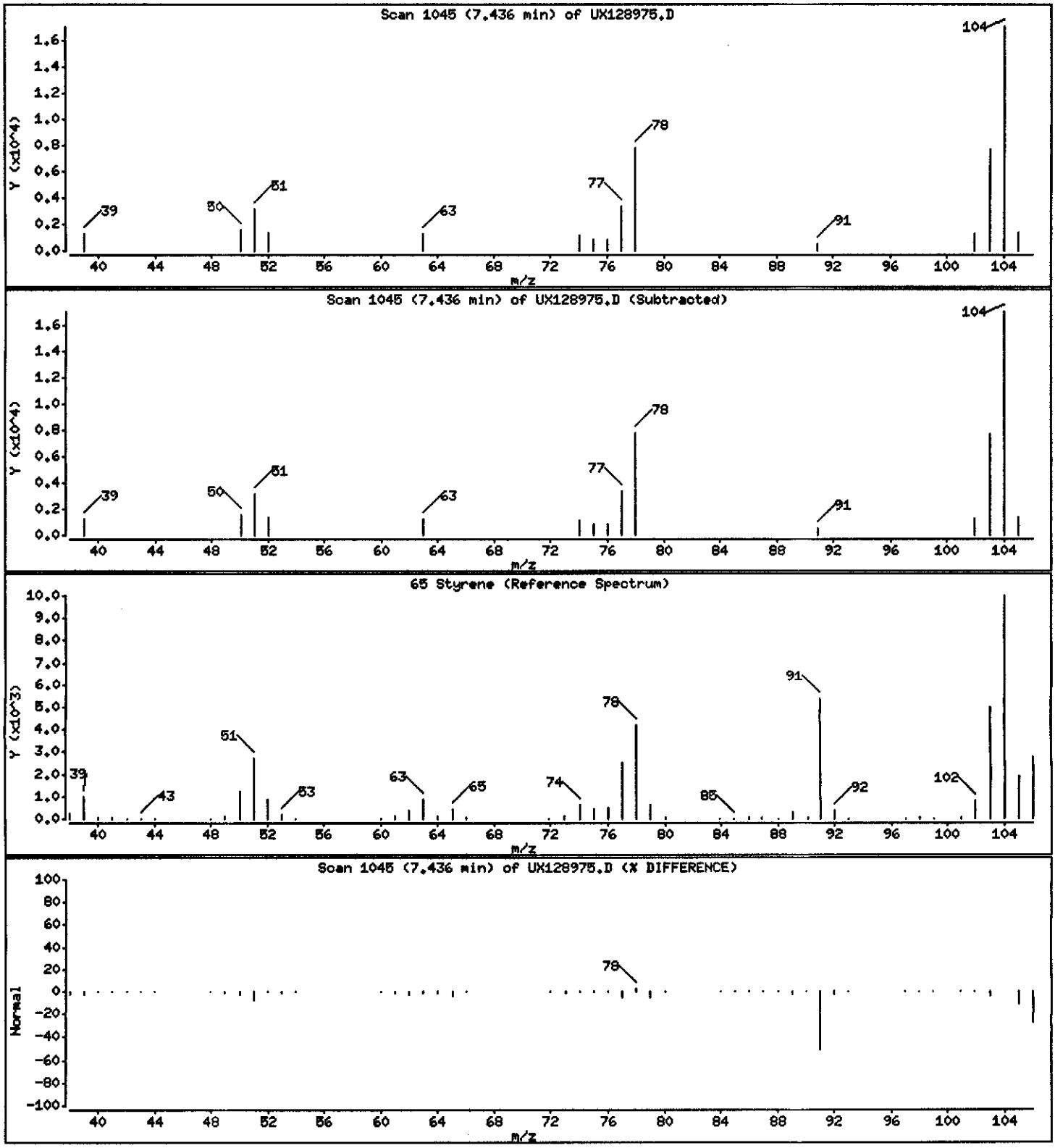
Client ID: DW003/081604 Instrument: a3ux12.i

Sample Info: CM9XM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

65 Styrene Concentration: 0.6345 ug/L



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Date : 25-AUG-2004 05:15

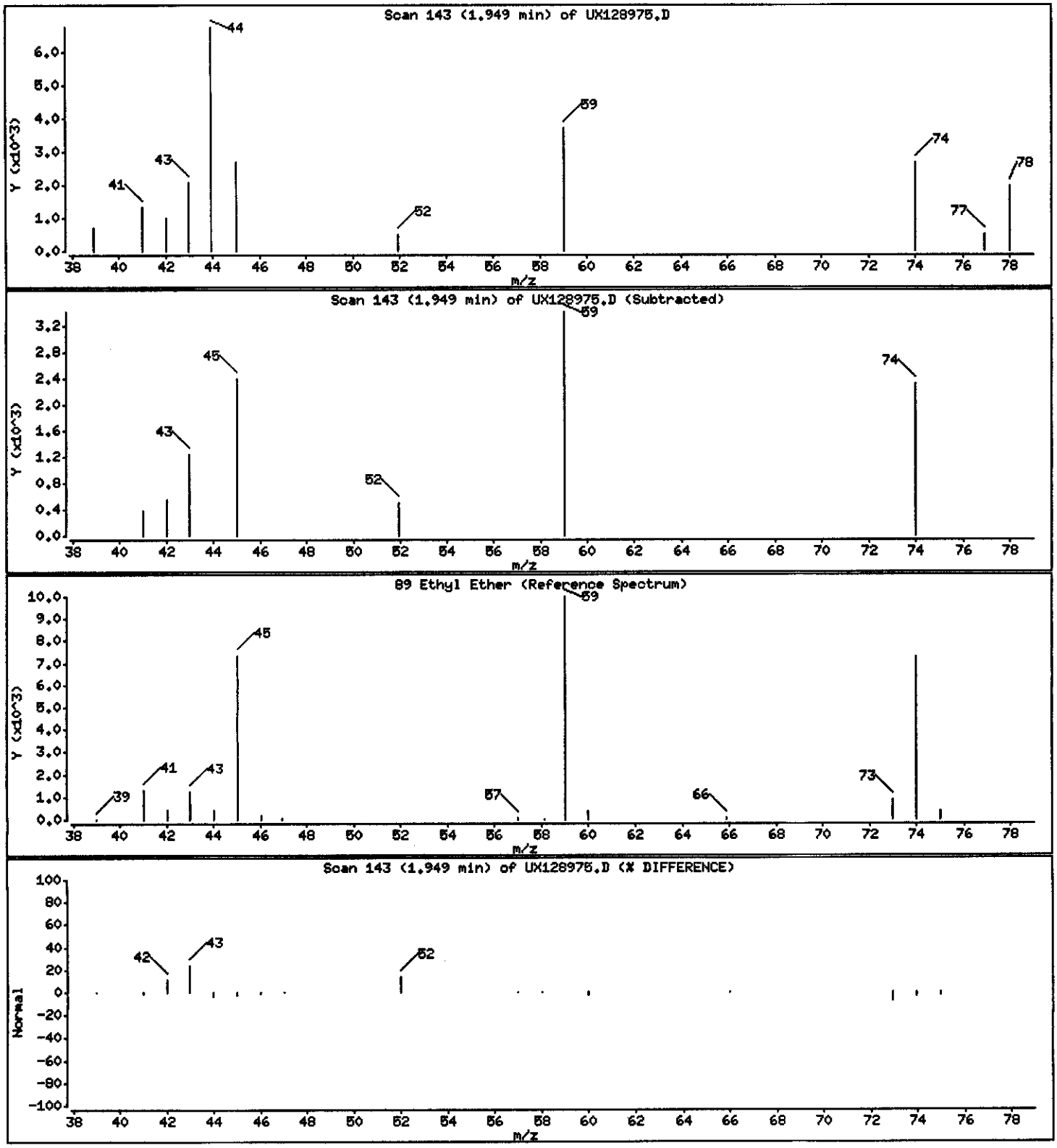
Client ID: DW003/081604 Instrument: a3ux12.i

Sample Info: GM9XM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 1.263 ug/L



PAYNE FIRM INC.

Client Sample ID: DW004/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-013 **Work Order #...:** GM9XN1AA **Matrix.....:** WG
Date Sampled...: 08/16/04 11:48 **Date Received..:** 08/17/04
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4238597
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	**0.40 J,B**	**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	**1.1**	**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: DW004/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-013 **Work Order #...:** GM9XN1AA **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	**0.78 J,B**	**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	**0.21 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	102	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

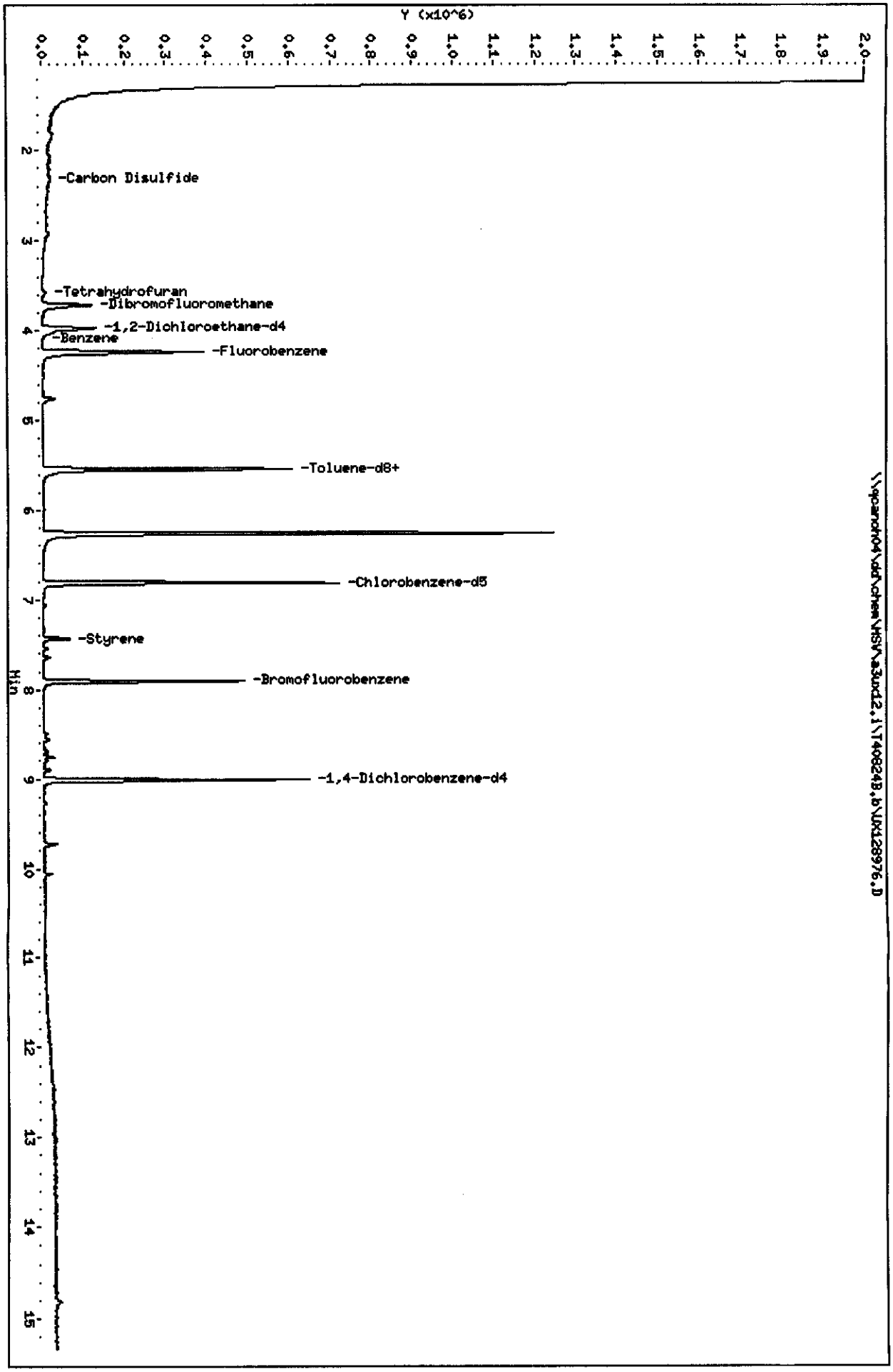
NOTE(S):

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\HSV\a3ud2.i\T408248.b\UX128976.D
Date : 25-AUG-2004 05:39
Client ID: IM004/081604
Sample Info: CHSXN1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ud2.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128976.D
Report Date: 25-Aug-2004 18:33

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128976.D
Lab Smp Id: GM9XN1AA Client Smp ID: DW004/081604
Inj Date : 25-AUG-2004 05:39
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GM9XN1AA,5ML/5ML
Misc Info : T40824B,8260LLUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 25-Aug-2004 18:24 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

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	4.242	4.242	(1.000)	438410	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	419845	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.012	9.011	(1.000)	184721	50.0000	
$ 4 Dibromofluoromethane	113	3.713	3.713	(0.875)	94418	51.1971	10.239
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	114168	49.1655	9.833
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	421327	48.7033	9.741
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	162792	44.9226	8.984
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\a3ux12.i\T40824B.b\UX128976.D
Report Date: 25-Aug-2004 18:33

	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	2.313	2.307	(0.545)	40003	5.33667	1.067
	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	57	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	3.573	3.567	(0.842)	7842	8.64656	1.729
	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	4.029	4.023	(0.950)	19660	2.02059	0.4041
	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	5.605	5.605	(0.822)	12065	1.06005	0.2120
	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	7.436	7.436	(1.091)	34163	3.89033	0.7781
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128976.D
Report Date: 25-Aug-2004 18:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
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\a3ux12.i\T40824B.b\UX128976.D

Date : 25-AUG-2004 05:39

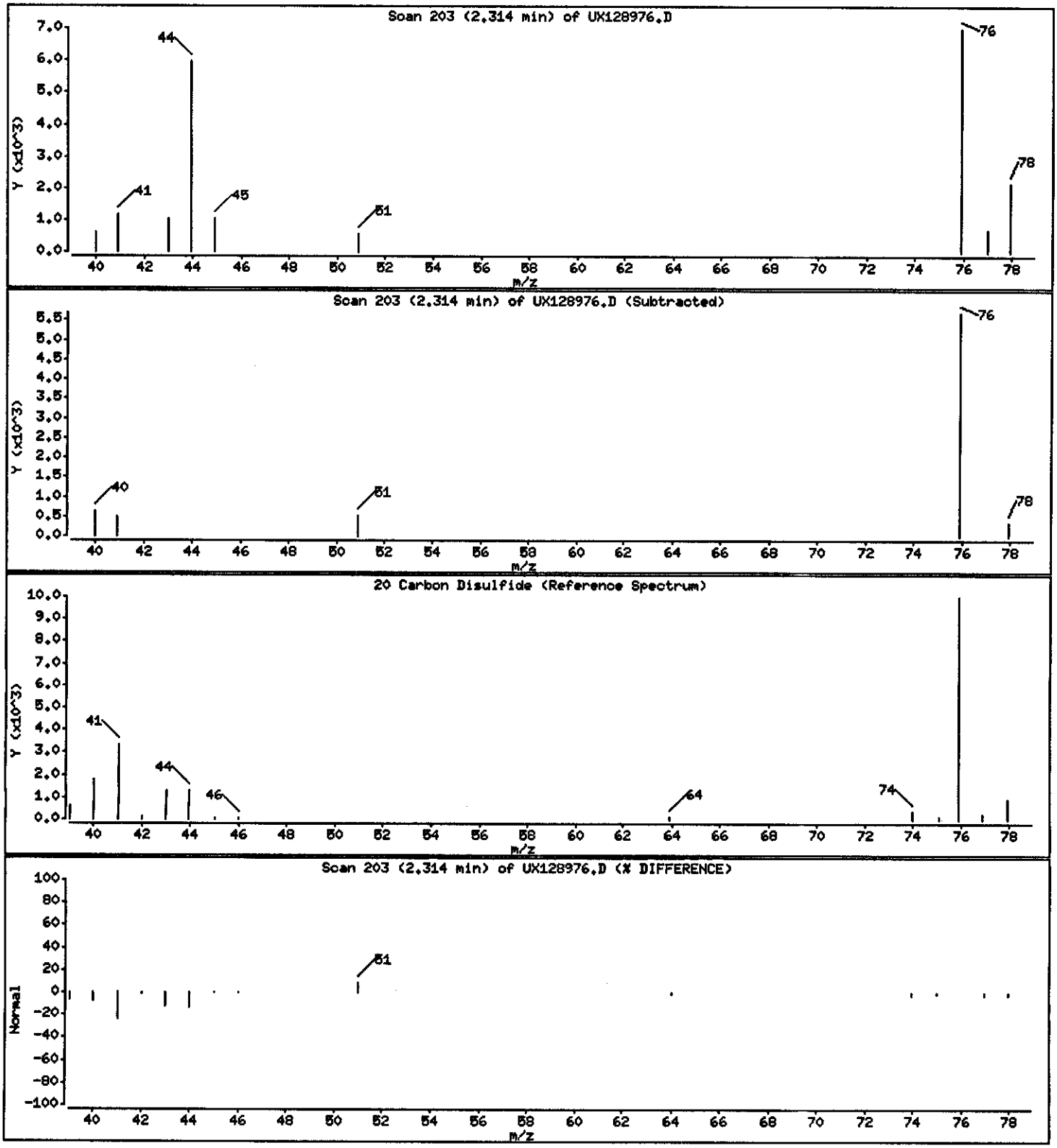
Client ID: DW004/081604 Instrument: a3ux12.i

Sample Info: GM9XN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 1.067 ug/L



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Date : 25-AUG-2004 05:39

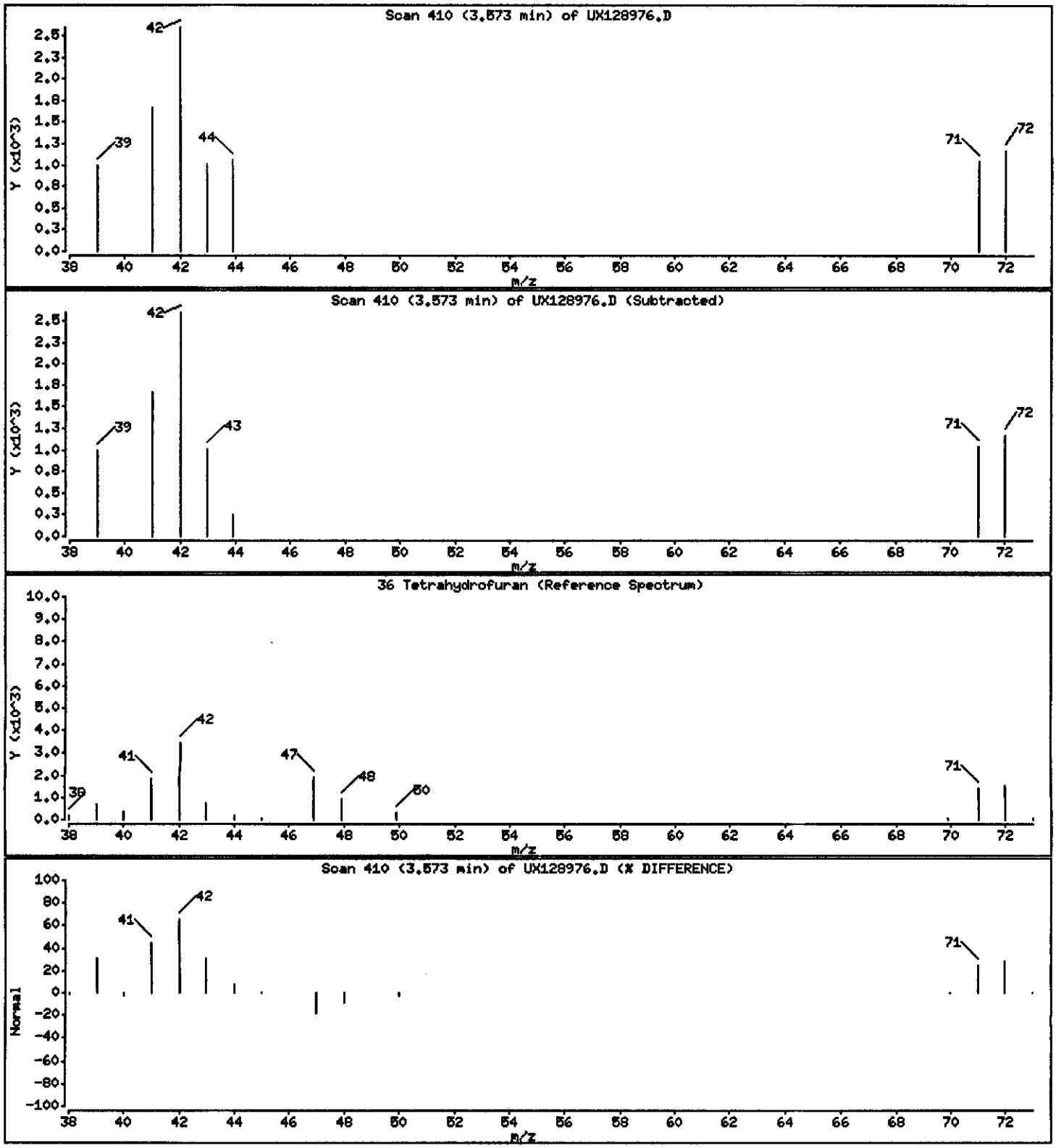
Client ID: DW004/081604 Instrument: a3ux12.i

Sample Info: GM9XN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 1.729 ug/L



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Date : 25-AUG-2004 05:39

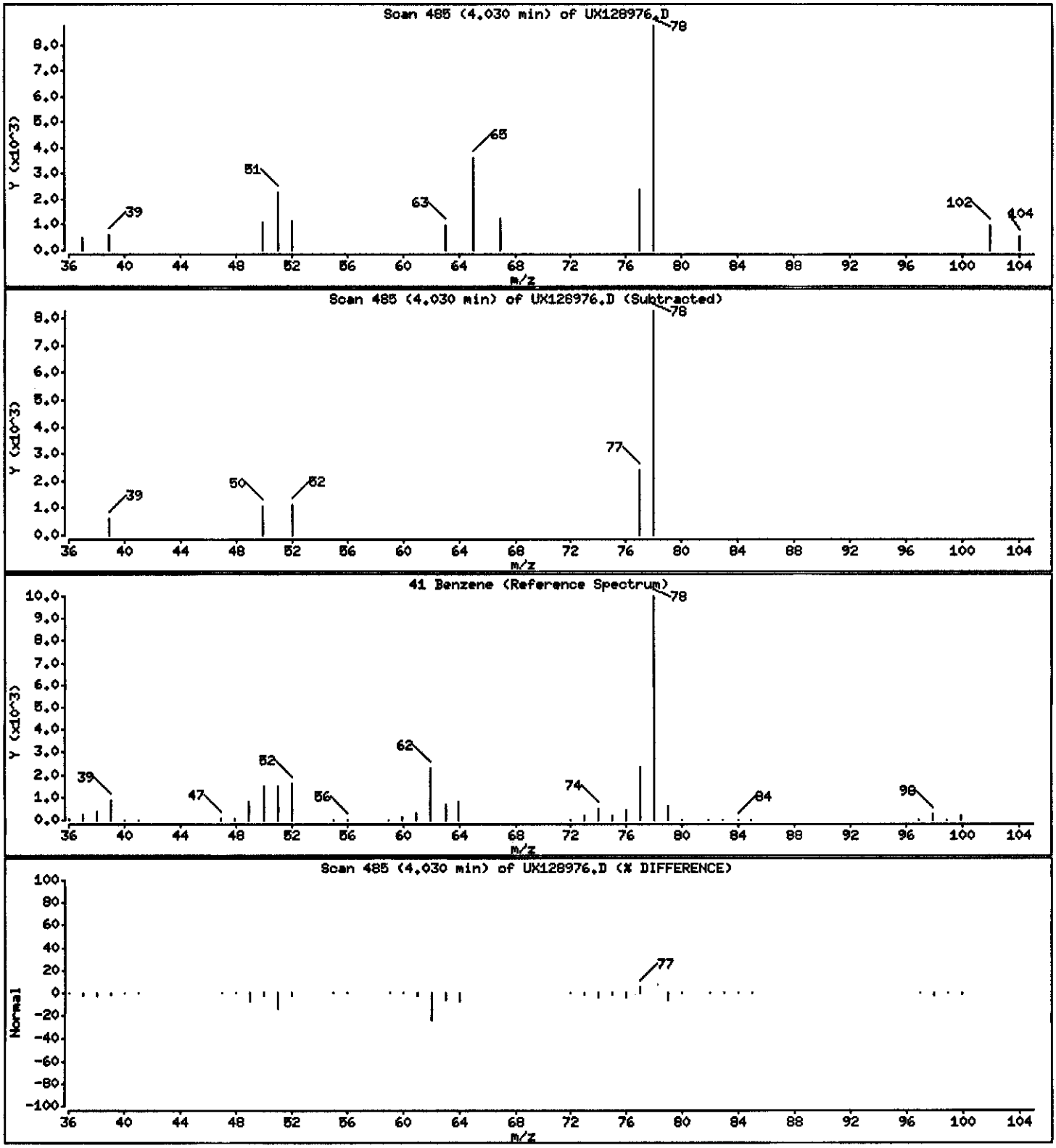
Client ID: DW004/081604 Instrument: a3ux12.i

Sample Info: CM9XN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.4041 ug/L



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Date : 25-AUG-2004 05:39

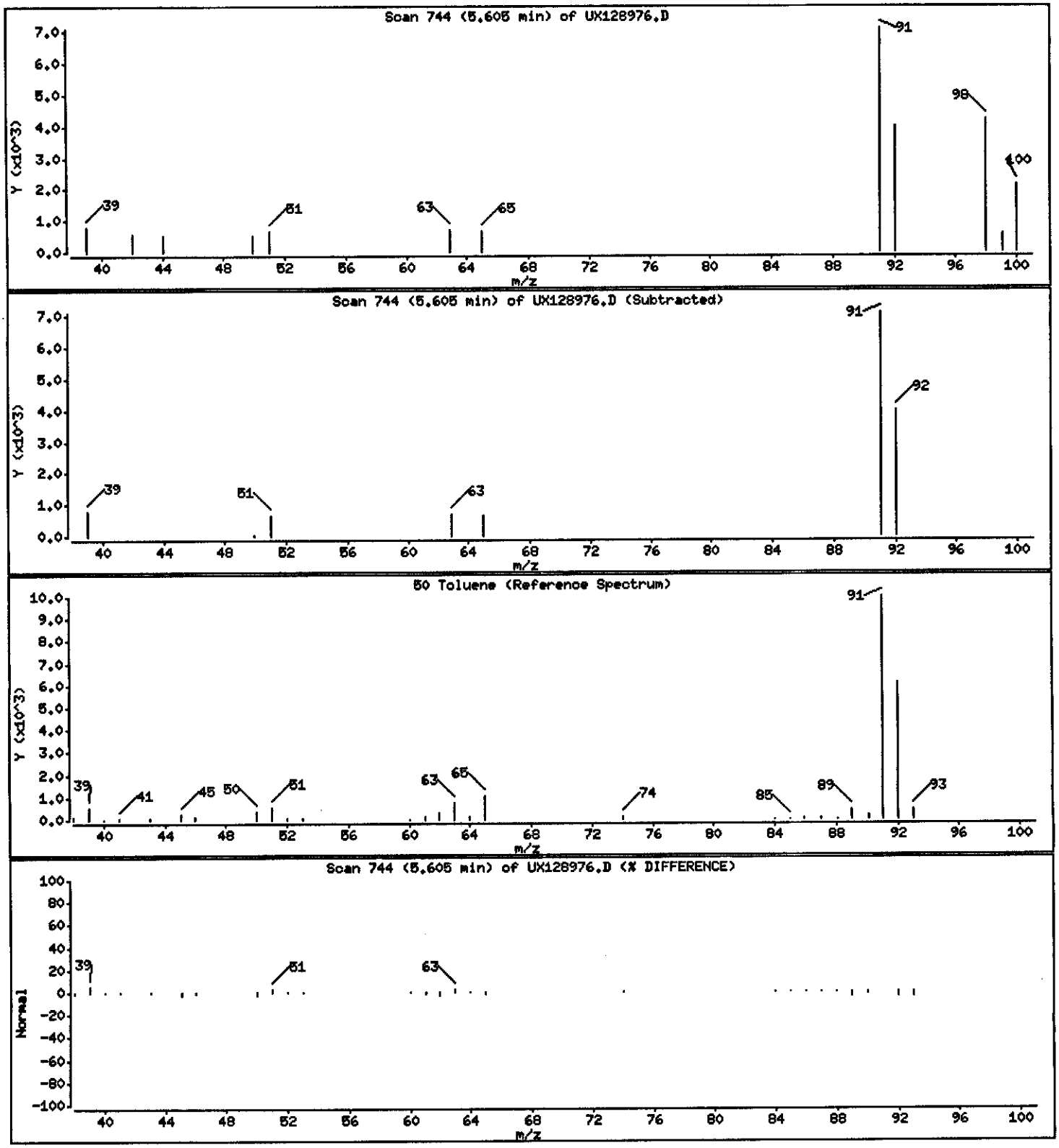
Client ID: DW004/081604 Instrument: a3ux12.i

Sample Info: GM9XN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.2120 ug/L



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Date : 25-AUG-2004 05:39

Client ID: DW004/081604

Instrument: a3ux12.i

Sample Info: GM9XN1AA,5ML/5ML

Purge Volume: 5.0

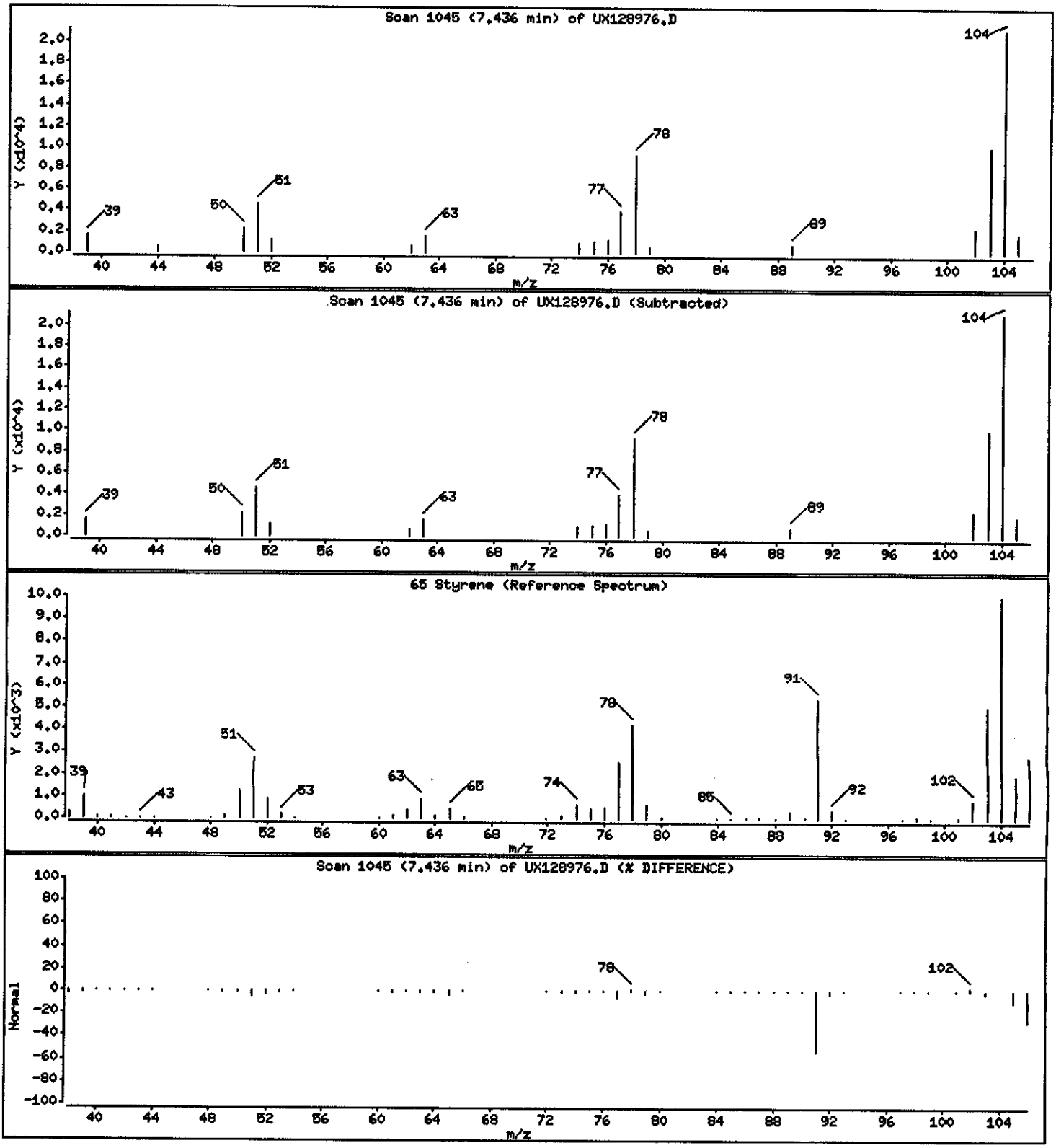
Operator: 1903

Column phase: DB624

Column diameter: 0.18

65 Styrene

Concentration: 0.7781 ug/L



PAYNE FIRM INC.

Client Sample ID: MW504/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-014 Work Order #...: GM9XT1AA Matrix.....: WG
Date Sampled...: 08/16/04 13:28 Date Received..: 08/17/04
Prep Date.....: 08/25/04 Analysis Date..: 08/25/04
Prep Batch #...: 4238597
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	**0.49 J,B**	**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	**2.6**	**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: MW504/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-014 **Work Order #...:** GM9XT1AA **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	**0.19 J,B**	**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	**0.83 J**	**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	**1.6**	**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	104	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

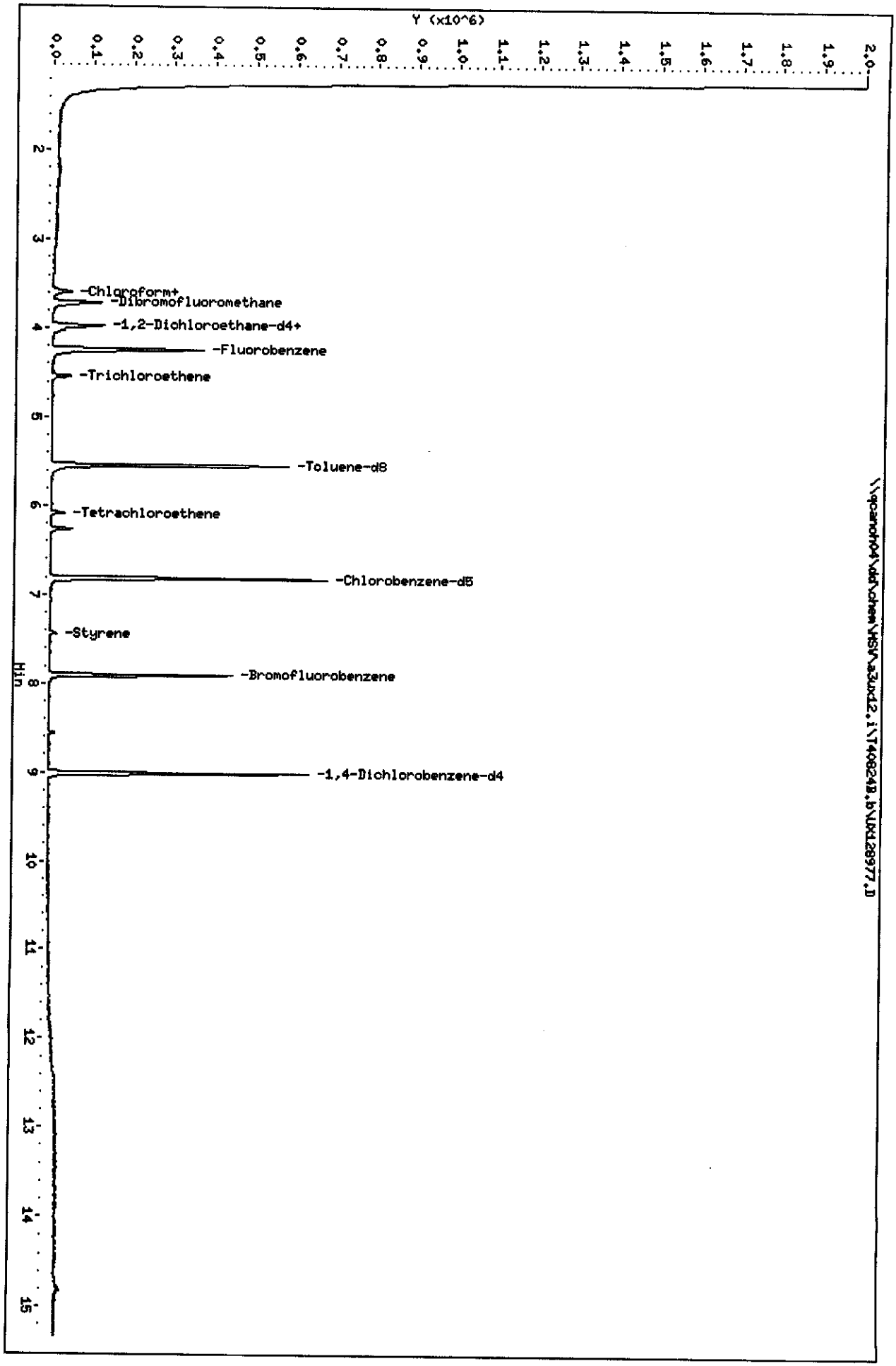
NOTE(S):

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: \\qcanohn04\dd\chem\MSV\a3ux12.i\T408248.b\UX128977.D
Date : 25-AUG-2004 06:04
Client ID: MW504/081604
Sample Info: CMSXT100,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128977.D
Report Date: 25-Aug-2004 18:33

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128977.D
Lab Smp Id: GM9XT1AA Client Smp ID: MW504/081604
Inj Date : 25-AUG-2004 06:04
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GM9XT1AA,5ML/5ML
Misc Info : T40824B,8260LLUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 25-Aug-2004 18:24 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

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	4.242	4.242	(1.000)	424852	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	402070	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.012	9.011	(1.000)	175309	50.0000	
$ 4 Dibromofluoromethane	113	3.713	3.713	(0.875)	93256	52.1807	10.436
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	112393	49.9457	9.989
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	409698	49.4528	9.890
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	155413	44.7823	8.956
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\a3ux12.i\T40824B.b\UX128977.D
Report Date: 25-Aug-2004 18:33

	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	57	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	3.597	3.591	(0.848)	46535	13.1965	2.639
	36 Tetrahydrofuran	42	3.579	3.567	(0.844)	7087	7.92735	1.585
	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	4.023	4.023	(0.948)	23306	2.47176	0.4944
	42 Trichloroethene	130	4.540	4.540	(1.070)	19408	7.94466	1.589
	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	6.085	6.079	(0.893)	8606	4.13504	0.8270
	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	7.436	7.436	(1.091)	8076	0.96032	0.1921
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128977.D
Report Date: 25-Aug-2004 18:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
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\a3ux12.i\T40824B.b\UX128977.D

Date : 25-AUG-2004 06:04

Client ID: MW504/081604

Instrument: a3ux12.i

Sample Info: GM9XT1AA,5ML/5ML

Purge Volume: 5.0

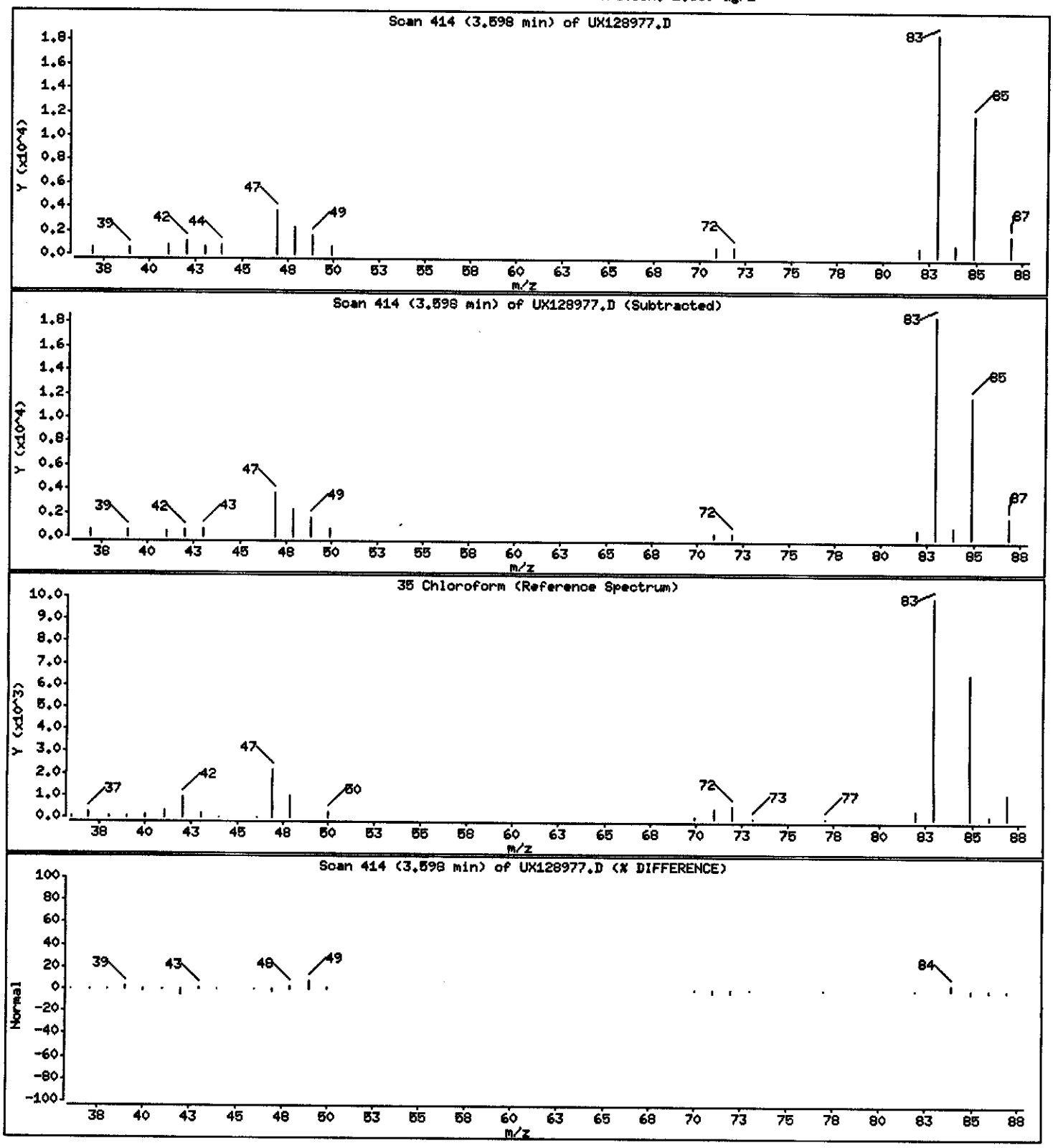
Operator: 1903

Column phase: DB624

Column diameter: 0.18

35 Chloroform

Concentration: 2.639 ug/L



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Date : 25-AUG-2004 06:04

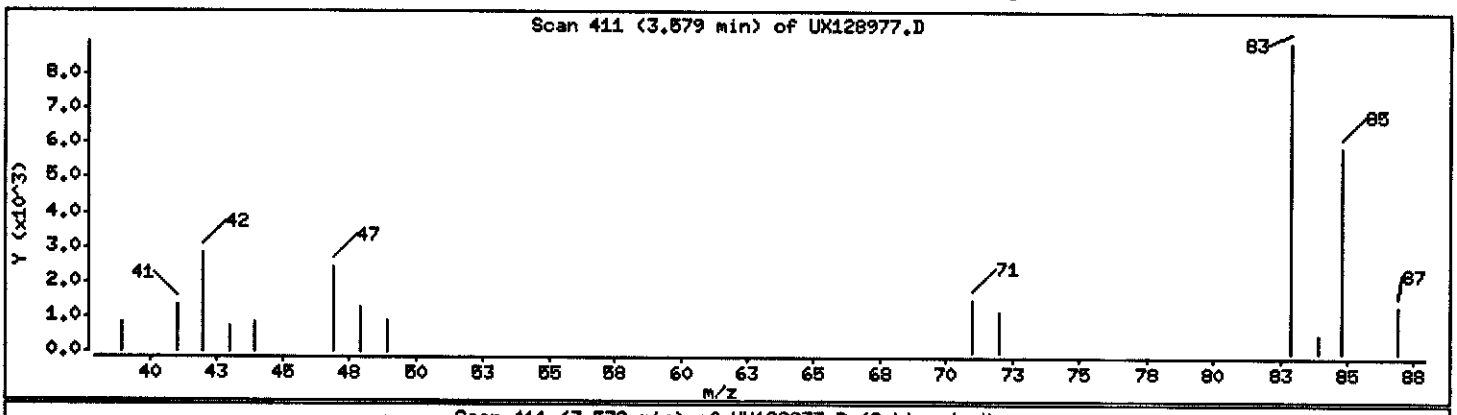
Client ID: MW504/081604 Instrument: a3ux12.i

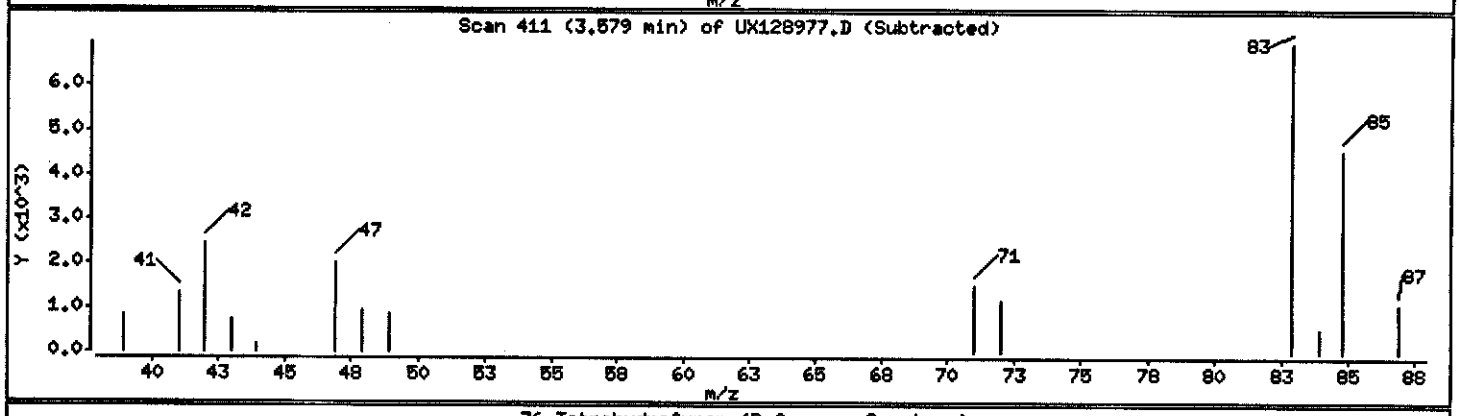
Sample Info: GM9XT1AA,5ML/5ML

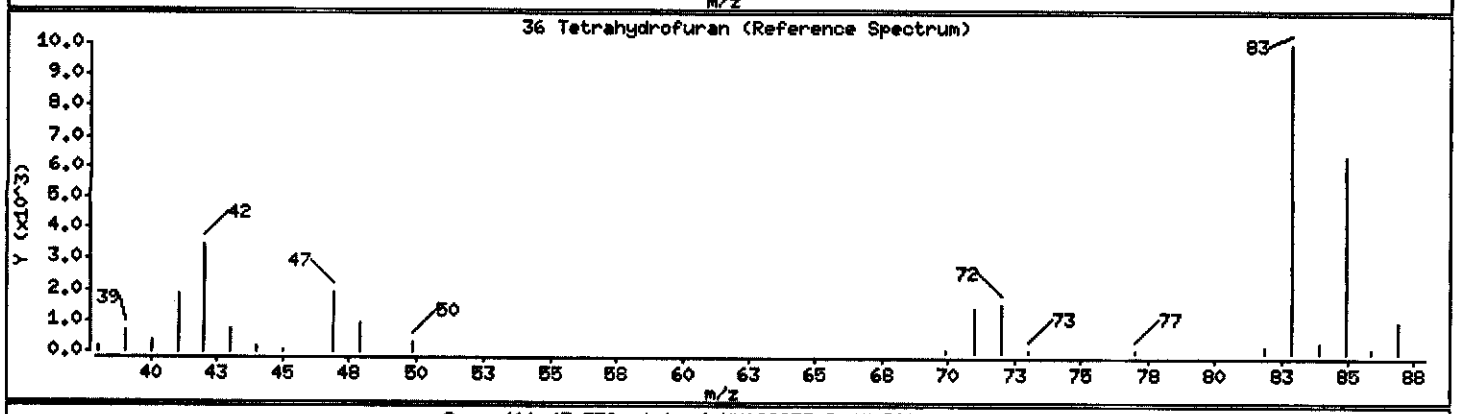
Purge Volume: 5.0 Operator: 1903

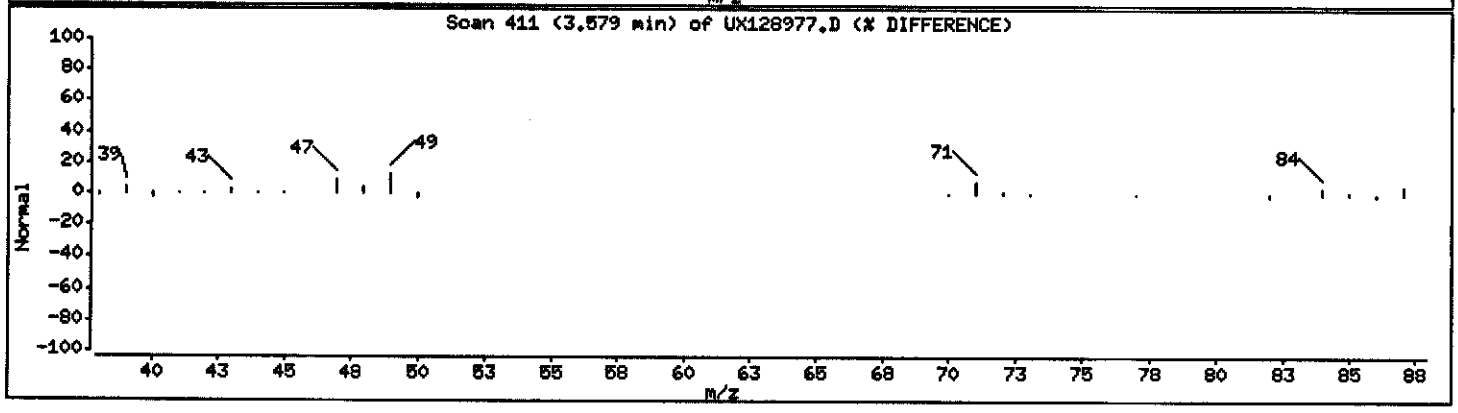
Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 1.585 ug/L









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Date : 25-AUG-2004 06:04

Client ID: MW504/081604

Instrument: a3ux12.i

Sample Info: GM9XT1AA,5ML/5ML

Purge Volume: 5.0

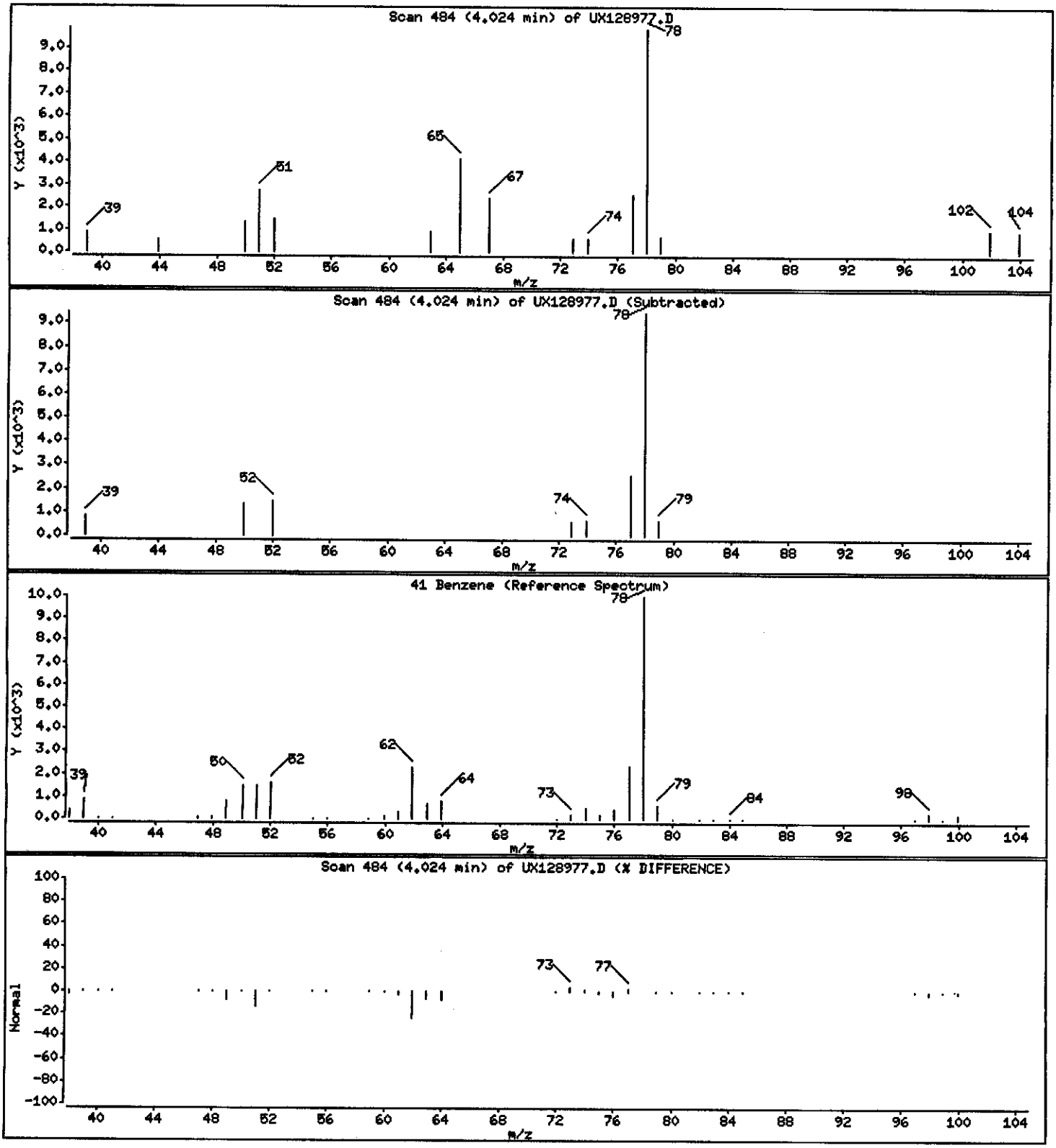
Operator: 1903

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 0.4944 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128977.D

Date : 25-AUG-2004 06:04

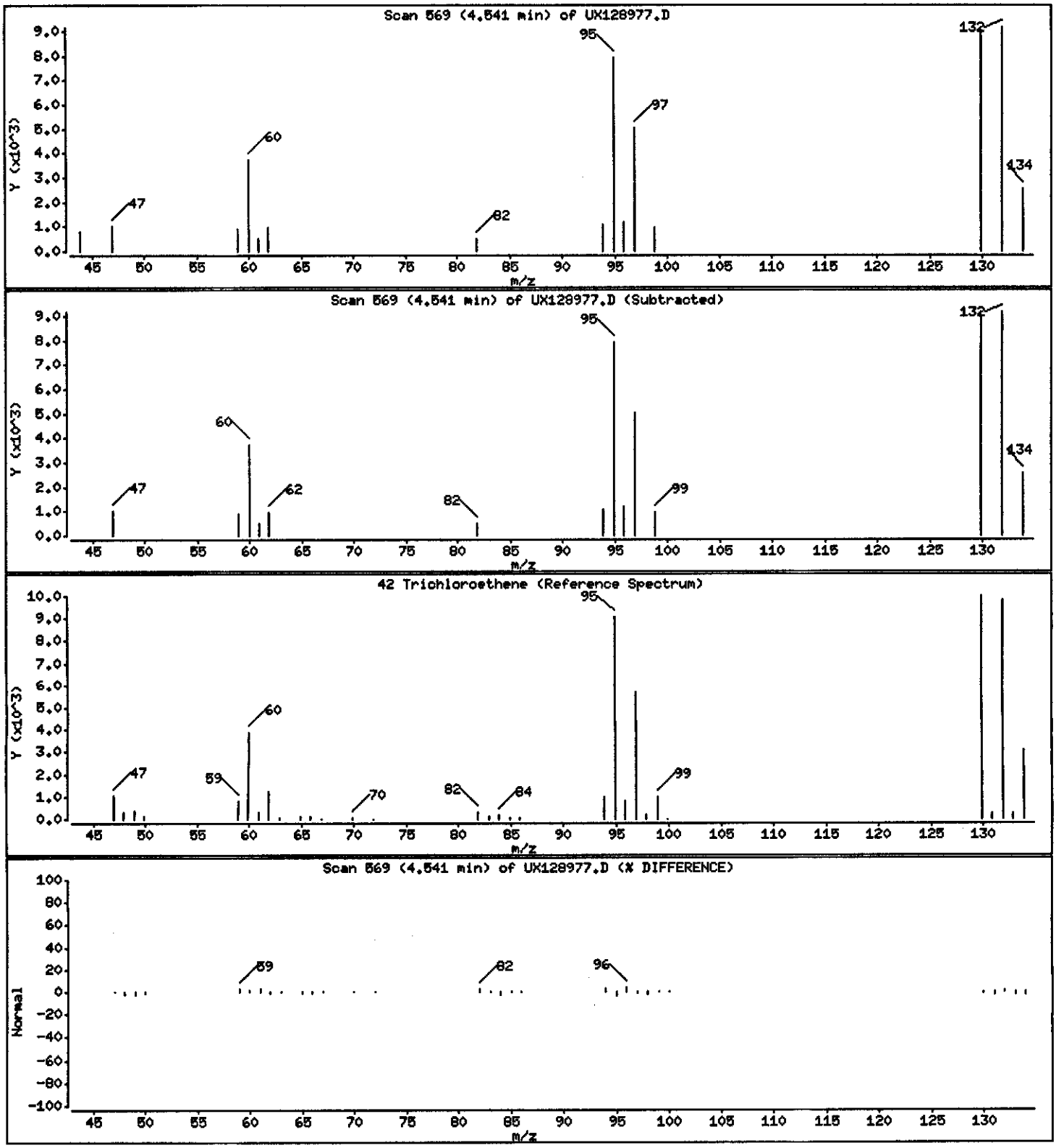
Client ID: MW504/081604 Instrument: a3ux12.i

Sample Info: GM9XT1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 1.589 ug/L



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Date : 25-AUG-2004 06:04

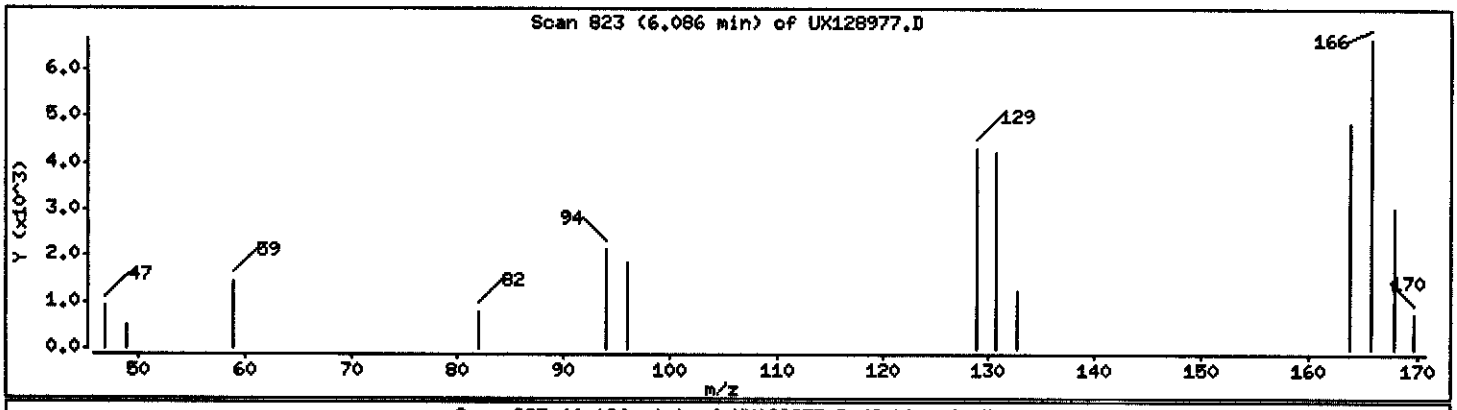
Client ID: MW504/081604 Instrument: a3ux12.i

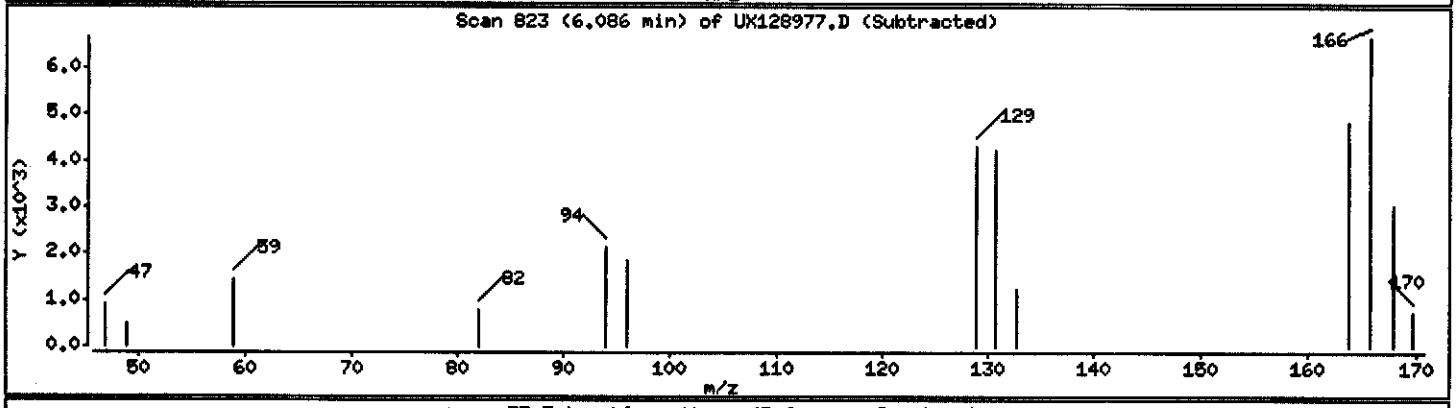
Sample Info: GM9XT1AA,5ML/5ML

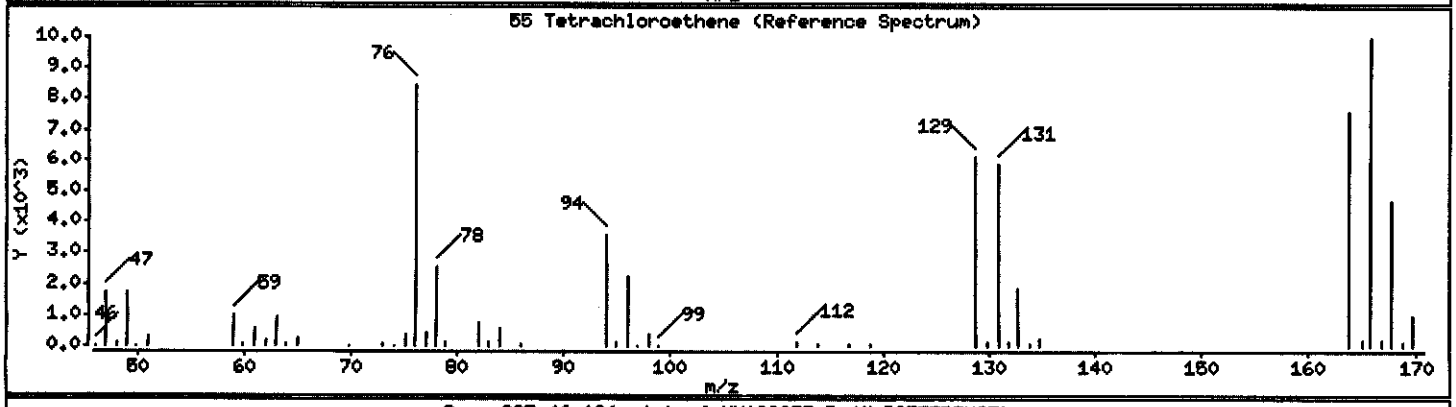
Purge Volume: 5.0 Operator: 1903

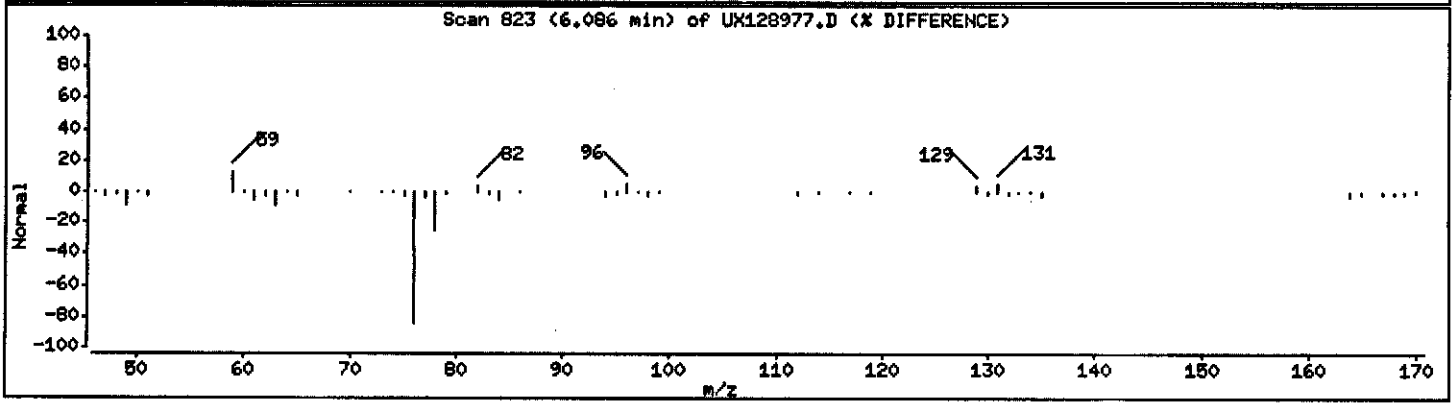
Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.8270 ug/L









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Date : 25-AUG-2004 06:04

Client ID: MW504/081604

Instrument: a3ux12.i

Sample Info: GM9XT1AA,5ML/5ML

Purge Volume: 5.0

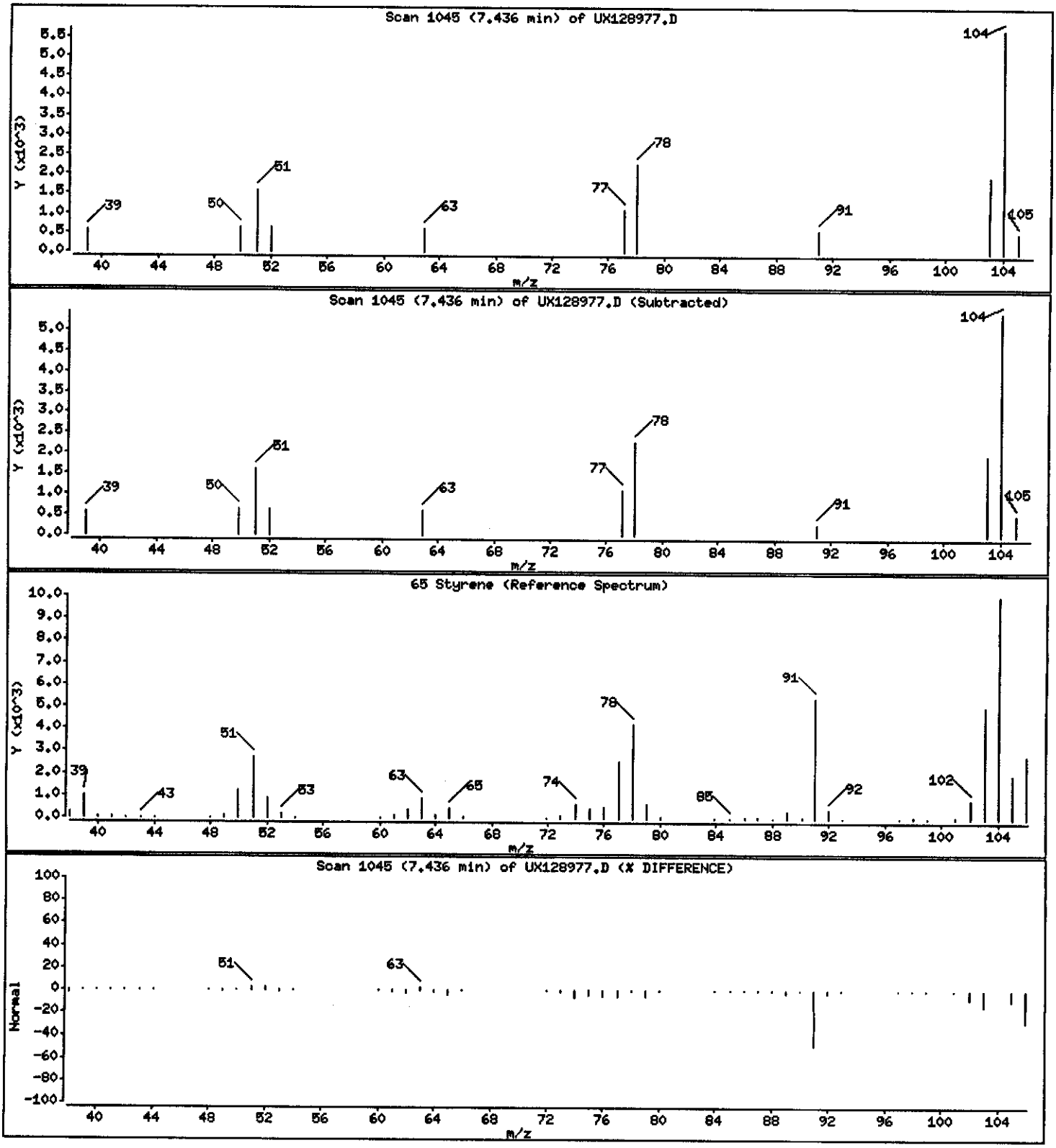
Operator: 1903

Column phase: DB624

Column diameter: 0.18

65 Styrene

Concentration: 0.1921 ug/L



PAYNE FIRM INC.

Client Sample ID: MW505B/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-015 **Work Order #...:** GM9XV1AA **Matrix.....:** WG
Date Sampled...: 08/16/04 14:32 **Date Received..:** 08/17/04
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4240553
Dilution Factor: 8.33 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	83	ug/L
Acetonitrile	ND	170	ug/L
Acrolein	ND	170	ug/L
Acrylonitrile	ND	170	ug/L
Benzene	**2.7 J,B**	**8.3**	**ug/L**
Bromodichloromethane	ND	8.3	ug/L
Bromoform	ND	8.3	ug/L
Bromomethane	ND	8.3	ug/L
2-Butanone	ND	83	ug/L
Carbon disulfide	ND	8.3	ug/L
Carbon tetrachloride	ND	8.3	ug/L
Chlorobenzene	ND	8.3	ug/L
Chloroprene	ND	17	ug/L
Dibromochloromethane	ND	8.3	ug/L
Chloroethane	ND	8.3	ug/L
Chloroform	ND	8.3	ug/L
Chloromethane	ND	8.3	ug/L
3-Chloropropene	ND	17	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	17	ug/L
1,2-Dibromoethane	ND	8.3	ug/L
Dibromomethane	ND	8.3	ug/L
trans-1,4-Dichloro-2-butene	ND	8.3	ug/L
1,1-Dichloroethane	ND	8.3	ug/L
1,2-Dichloroethane	ND	8.3	ug/L
cis-1,2-Dichloroethene	**18**	**8.3**	**ug/L**
trans-1,2-Dichloroethene	**5.1 J**	**8.3**	**ug/L**
1,1-Dichloroethene	ND	8.3	ug/L
1,2-Dichloroethene (total)	**23**	**17**	**ug/L**
Dichlorofluoromethane	ND	17	ug/L
1,2-Dichloropropane	ND	8.3	ug/L
cis-1,3-Dichloropropene	ND	8.3	ug/L
trans-1,3-Dichloropropene	ND	8.3	ug/L
1,4-Dioxane	**11000**	**420**	**ug/L**
Ethylbenzene	ND	8.3	ug/L
Ethyl methacrylate	ND	8.3	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW505B/081604

GC/MS Volatiles

Lot-Sample #...: A4H170141-015 **Work Order #...:** GM9XV1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	83	ug/L
Iodomethane	ND	8.3	ug/L
Isobutanol	ND	420	ug/L
Methacrylonitrile	ND	17	ug/L
Methylene chloride	ND	8.3	ug/L
Methyl methacrylate	ND	17	ug/L
4-Methyl-2-pentanone	ND	83	ug/L
Propionitrile	ND	33	ug/L
Styrene	ND	8.3	ug/L
1,1,1,2-Tetrachloroethane	ND	8.3	ug/L
1,1,2,2-Tetrachloroethane	ND	8.3	ug/L
Tetrachloroethene	ND	8.3	ug/L
Toluene	ND	8.3	ug/L
1,1,1-Trichloroethane	ND	8.3	ug/L
1,1,2-Trichloroethane	ND	8.3	ug/L
Trichloroethene	ND	8.3	ug/L
Trichlorofluoromethane	ND	8.3	ug/L
1,2,3-Trichloropropane	ND	8.3	ug/L
Vinyl acetate	ND	17	ug/L
Vinyl chloride	ND	8.3	ug/L
Xylenes (total)	ND	17	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	103	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

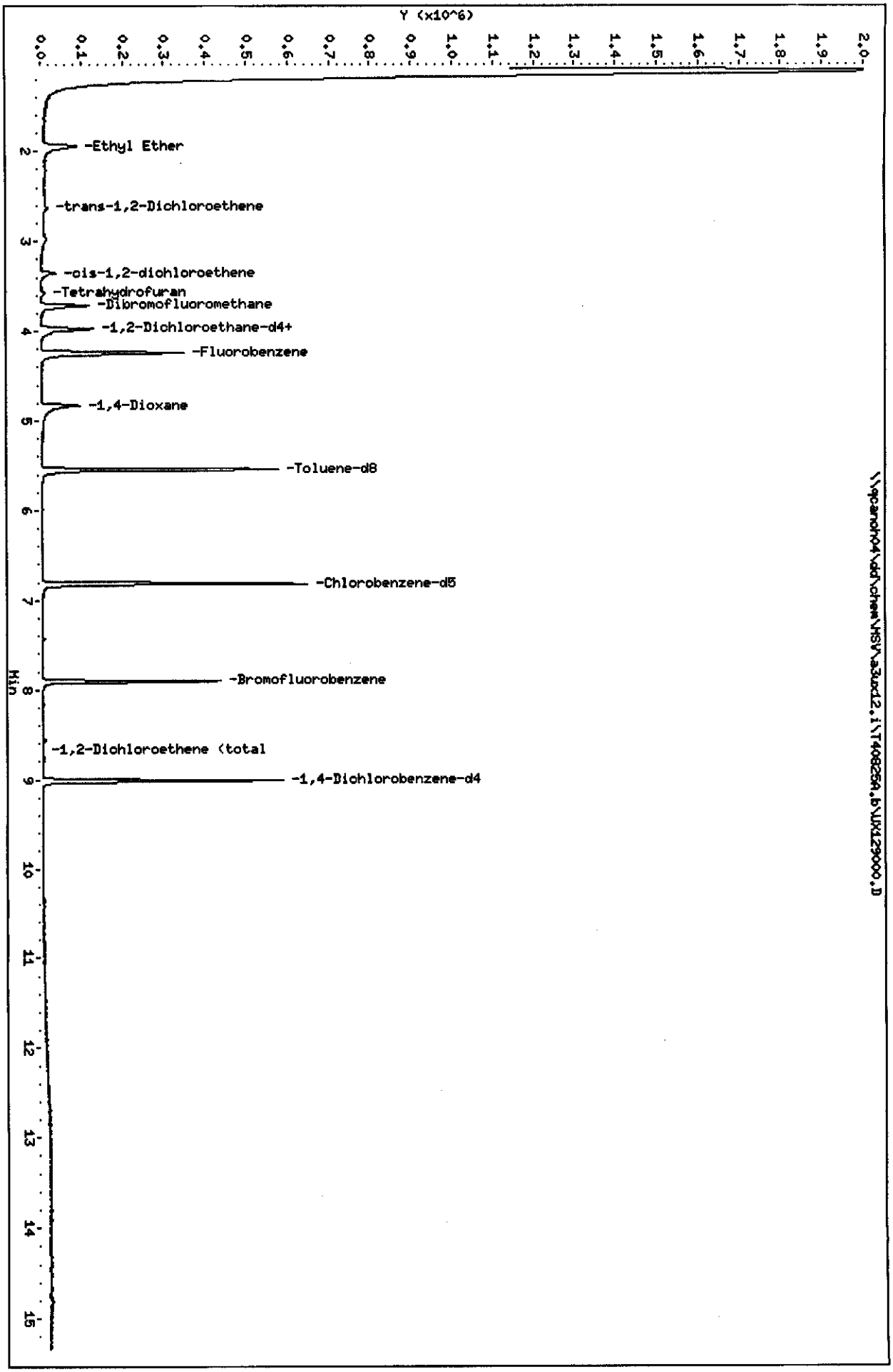
NOTE(S):

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\HSV\a3ud12.i\T408259A.b\UX129000.D
Date : 25-AUG-2004 23:16
Client ID: MW505A/081604
Sample Info: GH9XV190,0.6ML/5ML
Purge Volume: 0.6
Column phase: DB624

Instrument: a3ud12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX129000.D
Report Date: 27-Aug-2004 20:34

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX129000.D
Lab Smp Id: GM9XV1AA Client Smp ID: MW505A/081604
Inj Date : 25-AUG-2004 23:16
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GM9XV1AA,0.6ML/5ML
Misc Info : T40825A,8260LLUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40825A.b\8260LLUX12.m
Meth Date : 25-Aug-2004 17:07 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.600	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.242	4.242	(1.000)	393203	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	376429	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.011	9.012	(1.000)	162066	50.0000	
$ 4 Dibromofluoromethane	113	3.713	3.713	(0.875)	89288	53.9817	89.970
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	109000	52.3367	87.228
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	400365	51.6180	86.030
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	147780	45.4834	75.806
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\a3ux12.i\T40825A.b\UX129000.D
Report Date: 27-Aug-2004 20:34

	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	2.624	2.624	(0.619)	6117	3.08340	5.139
	26 Hexane	57	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				29052	14.0283	23.380
	32 cis-1,2-dichloroethene	96	3.354	3.354	(0.791)	22935	10.9449	18.242
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	3.567	3.573	(0.841)	7396	9.19643	15.327
	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	4.023	4.023	(0.948)	14390	1.64900	2.748
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	4.826	4.826	(1.138)	143483	6537.24	10895(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\a3ux12.i\T40825A.b\UX129000.D
Report Date: 27-Aug-2004 20:34

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	1.942	1.936	(0.458)	92112	56.1361	93.560
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\ohem\MSV\a3ux12.i\T40825A.b\UX129000.D

Date : 25-AUG-2004 23:16

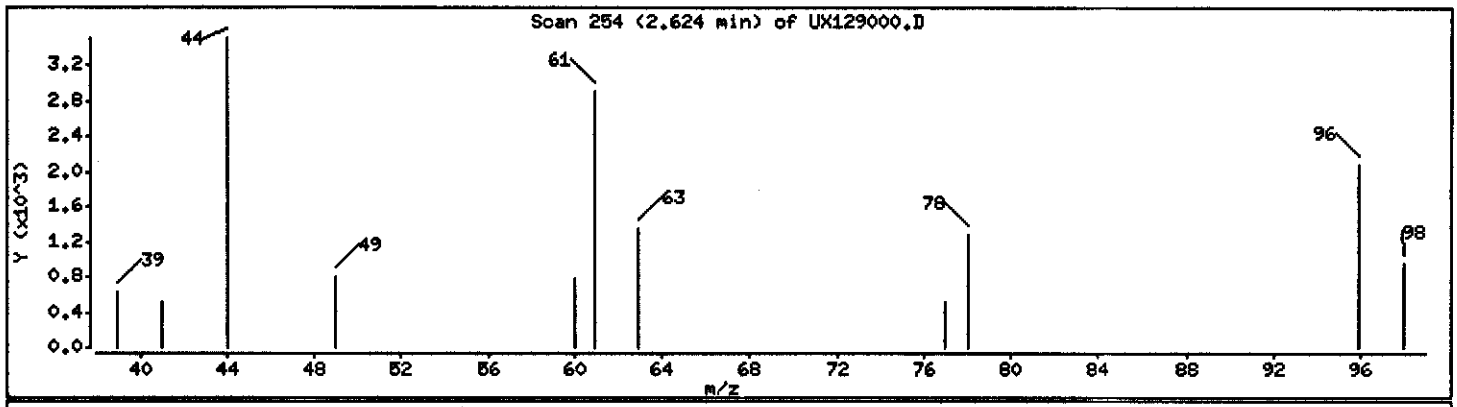
Client ID: MW505A/081604 Instrument: a3ux12.i

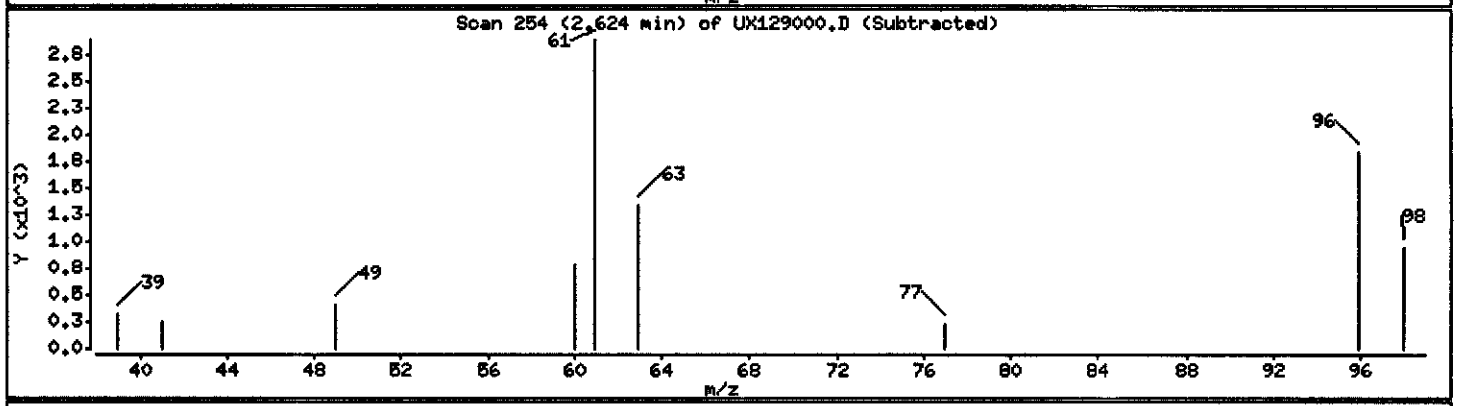
Sample Info: GM9XV1AA,0.6ML/5ML

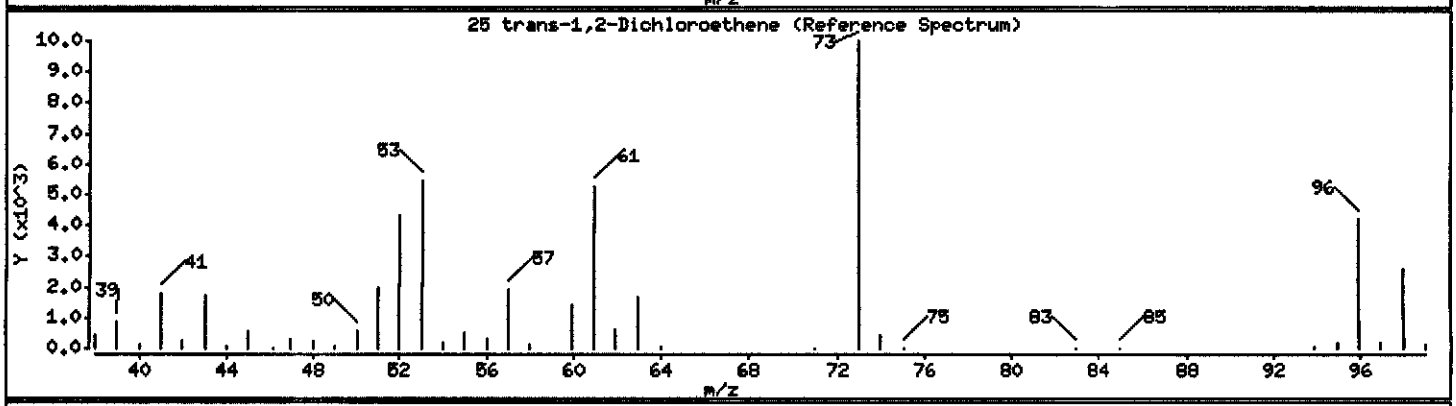
Purge Volume: 0.6 Operator: 1903

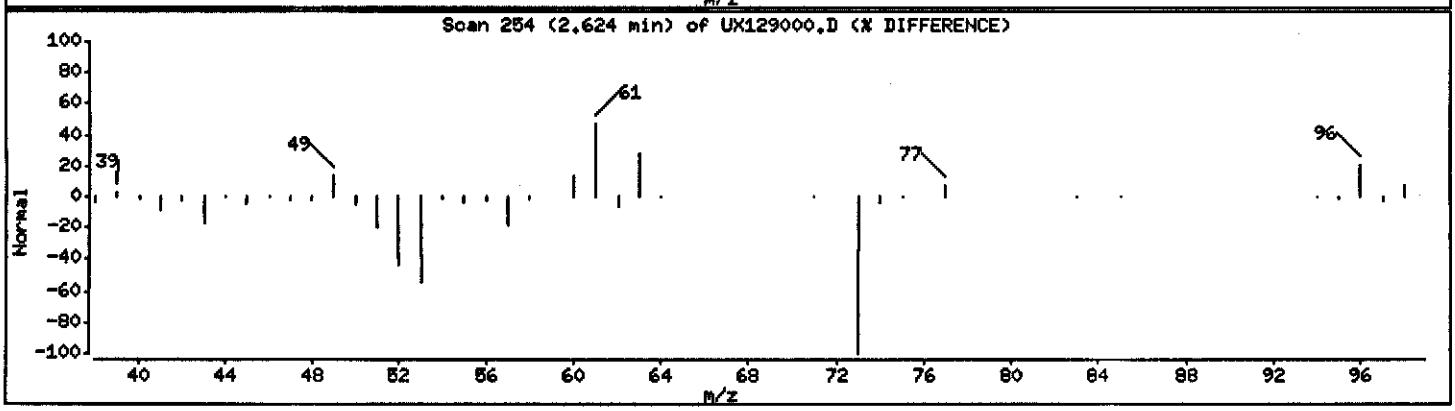
Column phase: DB624 Column diameter: 0.18

25 trans-1,2-Dichloroethene Concentration: 5.139 ug/L









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Date : 25-AUG-2004 23:16

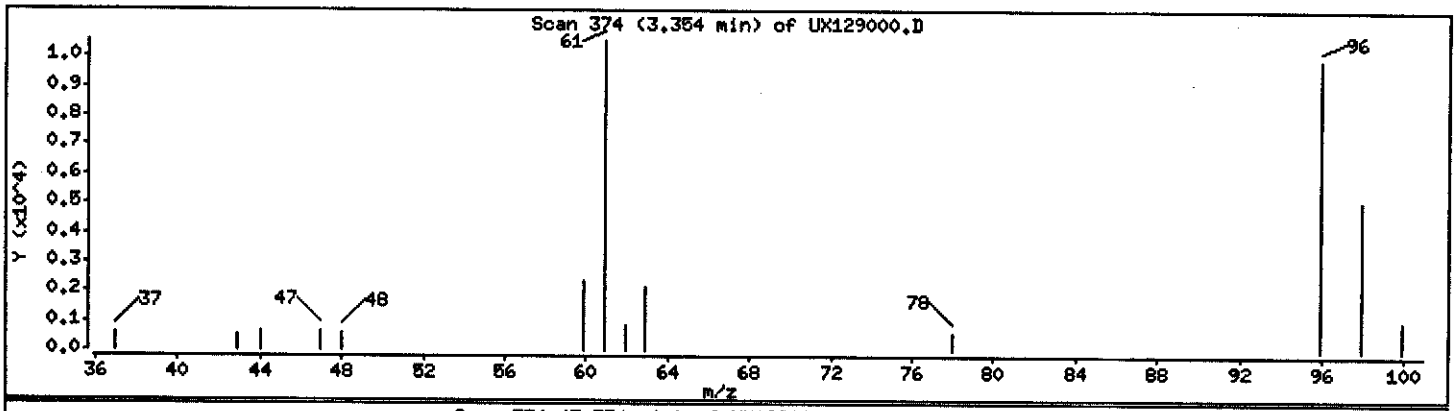
Client ID: MW505A/081604 Instrument: a3ux12.i

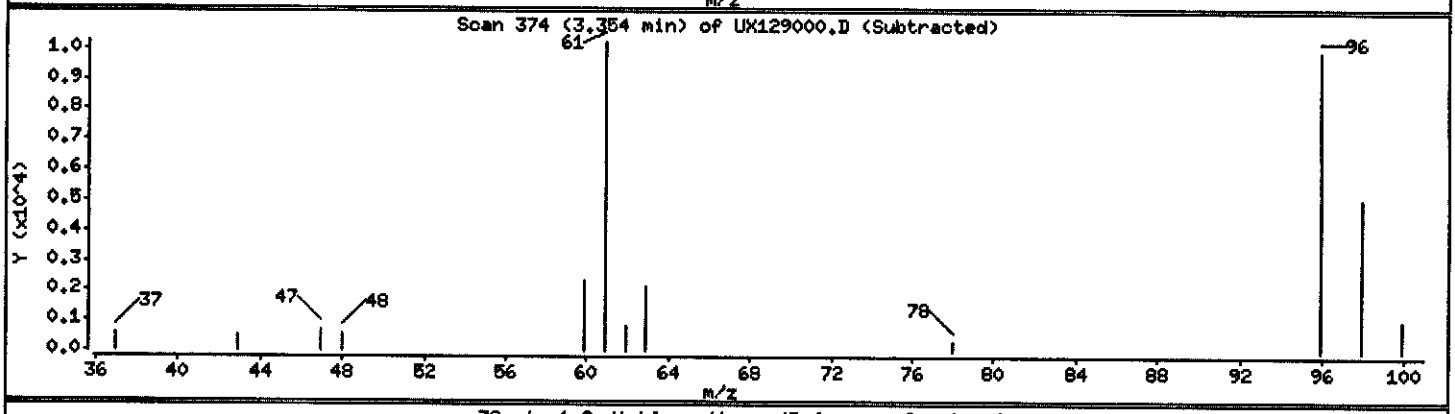
Sample Info: GM9XV1AA,0.6ML/5ML

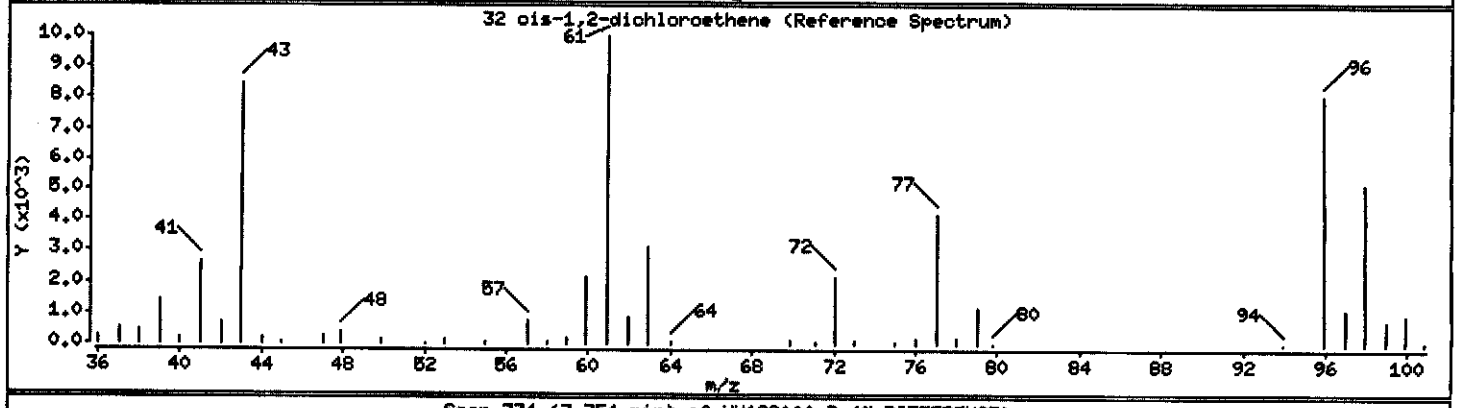
Purge Volume: 0.6 Operator: 1903

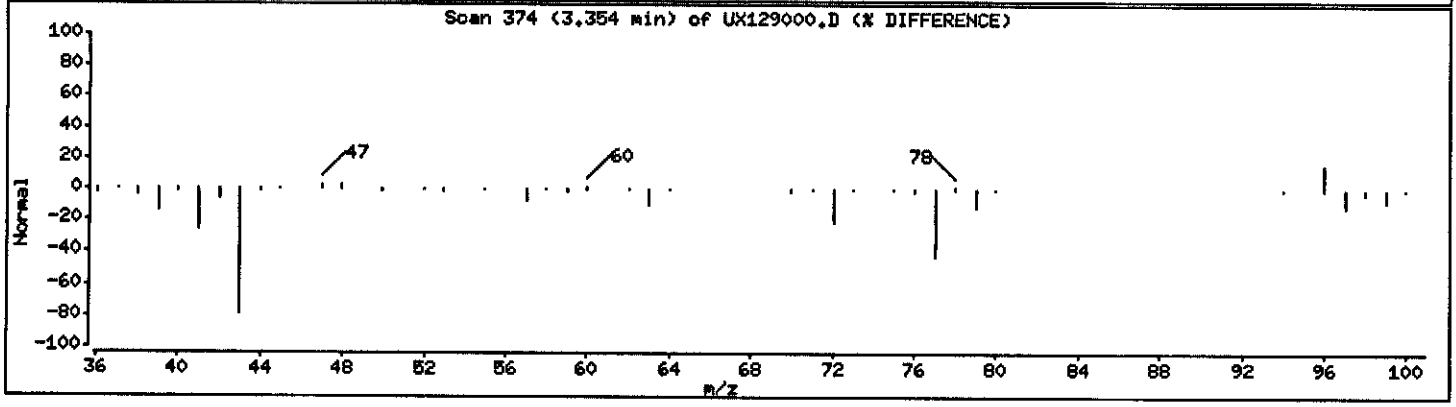
Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 18.242 ug/L









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Date : 25-AUG-2004 23:16

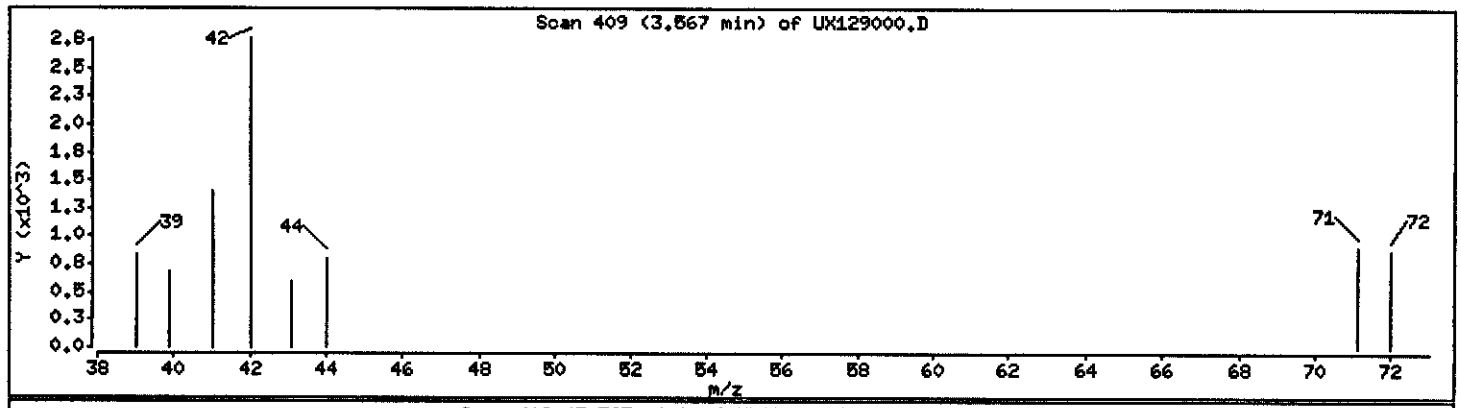
Client ID: MW505A/081604 Instrument: a3ux12.i

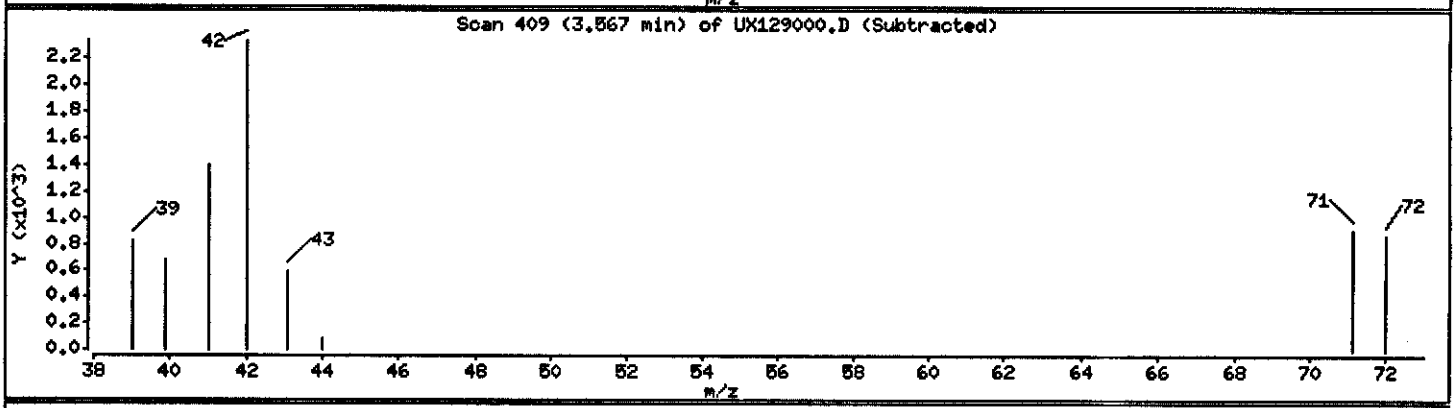
Sample Info: GM9XV1AA,0.6ML/5ML

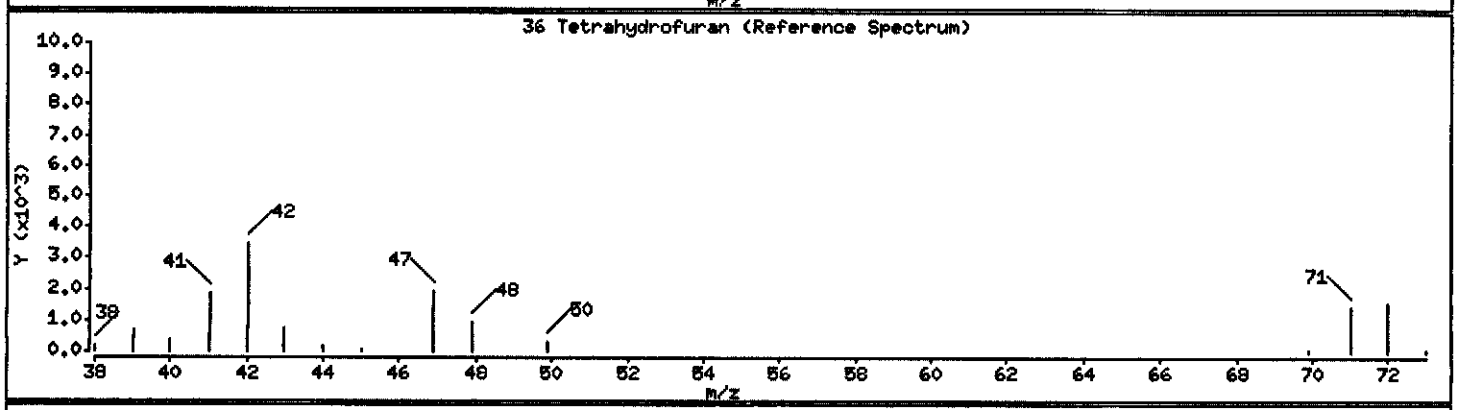
Purge Volume: 0.6 Operator: 1903

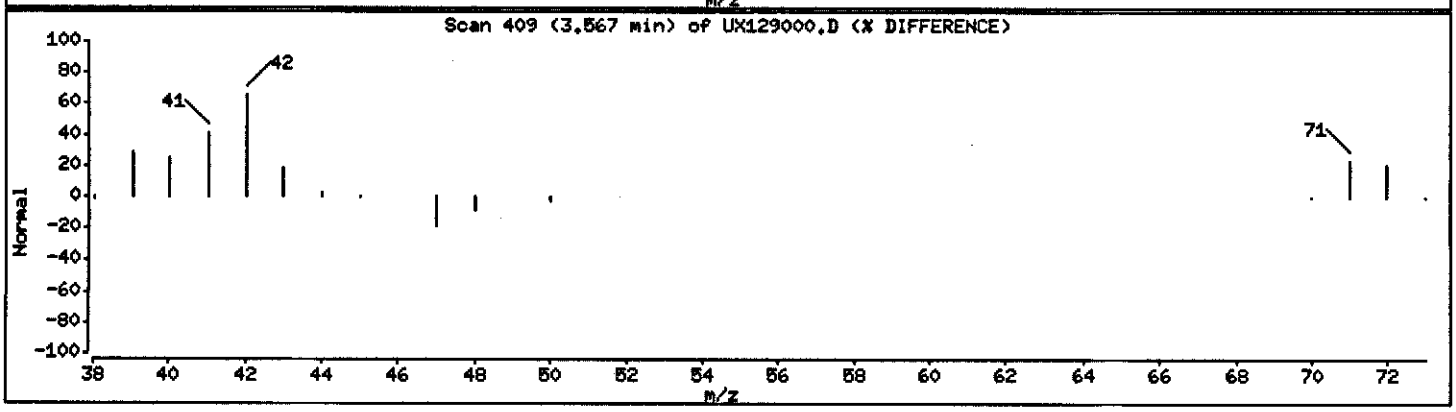
Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 15.327 ug/L









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Date : 25-AUG-2004 23:16

Client ID: MW505A/081604

Instrument: a3ux12.i

Sample Info: GM9XV1AA,0.6ML/5ML

Purge Volume: 0.6

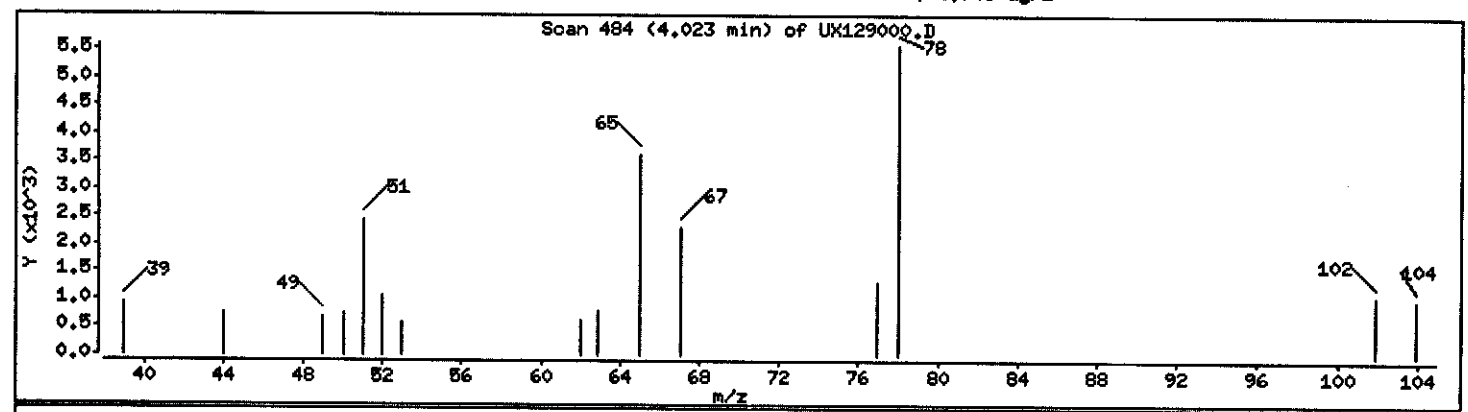
Operator: 1903

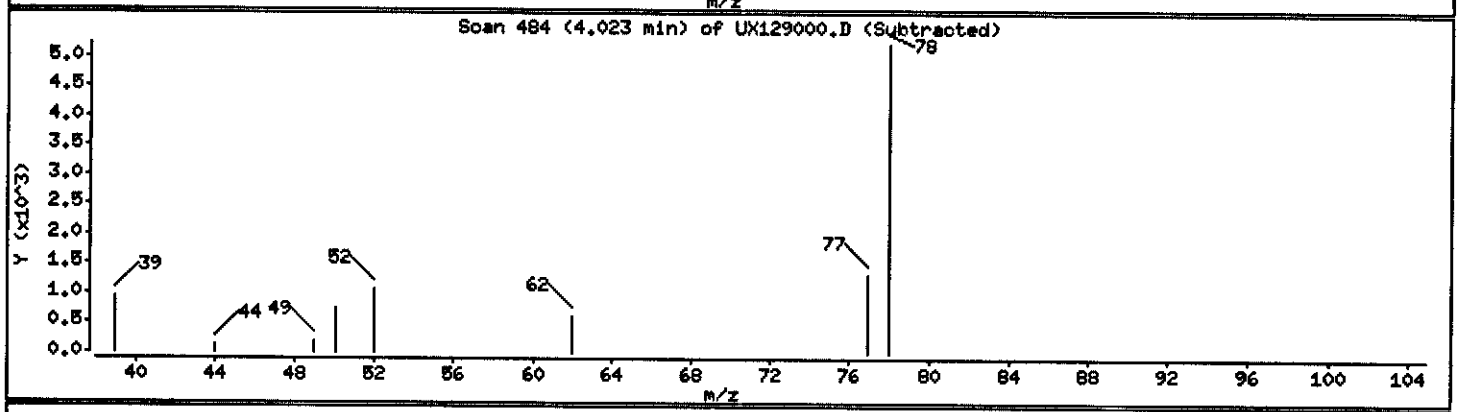
Column phase: DB624

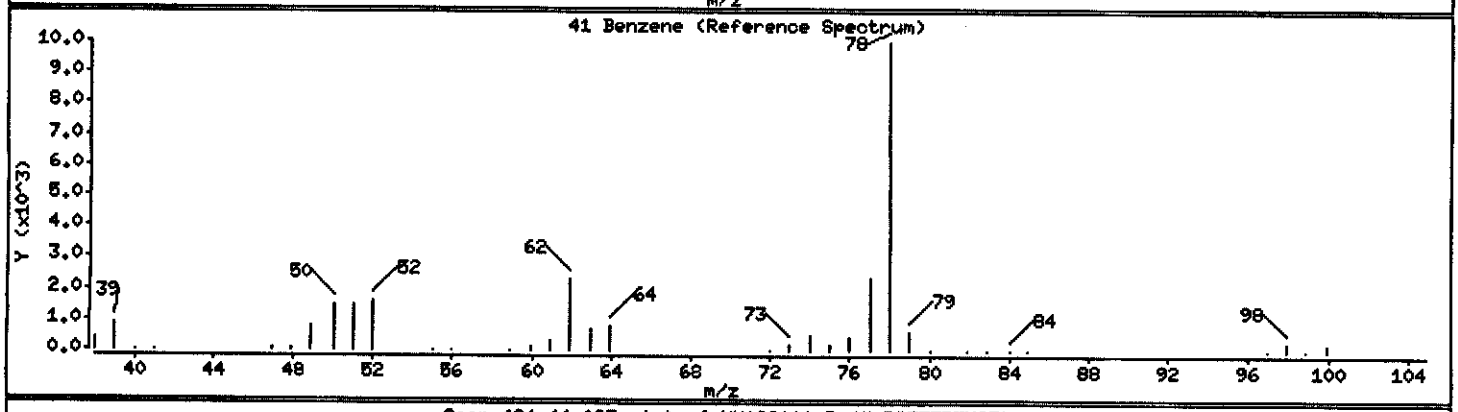
Column diameter: 0.18

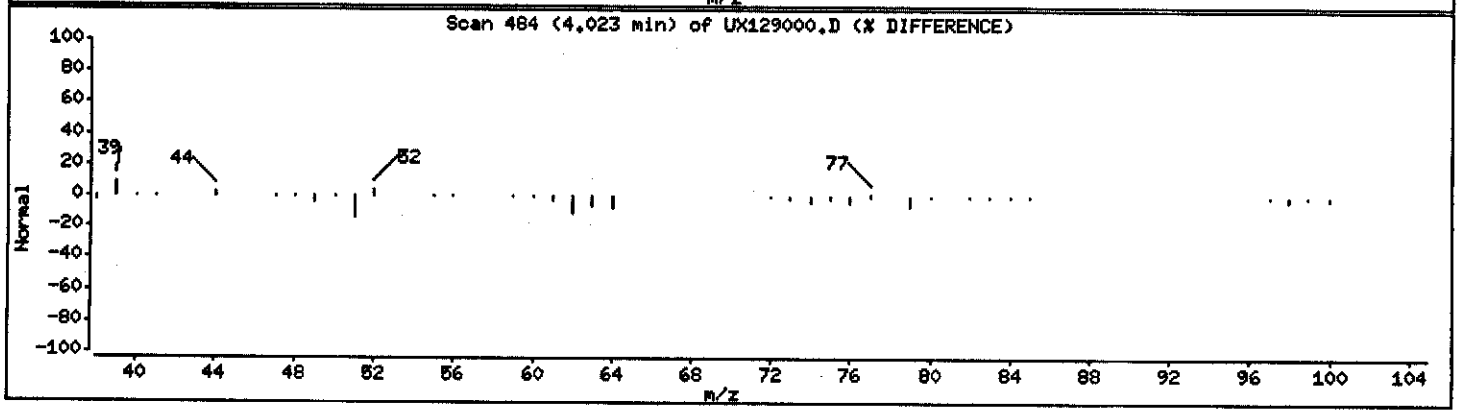
41 Benzene

Concentration: 2.748 ug/L









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Date : 25-AUG-2004 23:16

Client ID: MW505A/081604

Instrument: a3ux12.i

Sample Info: GM9XV1AA,0.6ML/5ML

Purge Volume: 0.6

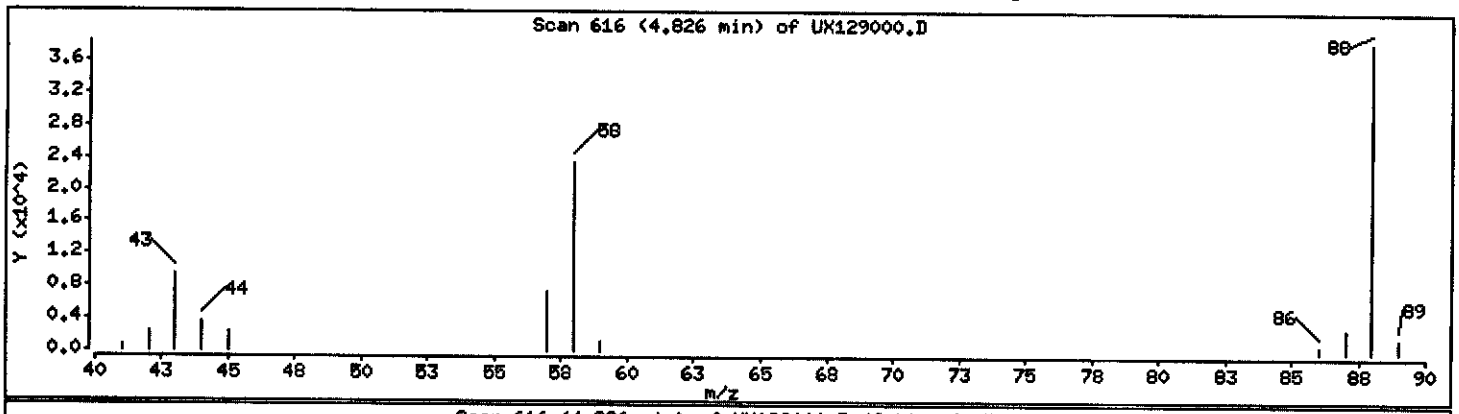
Operator: 1903

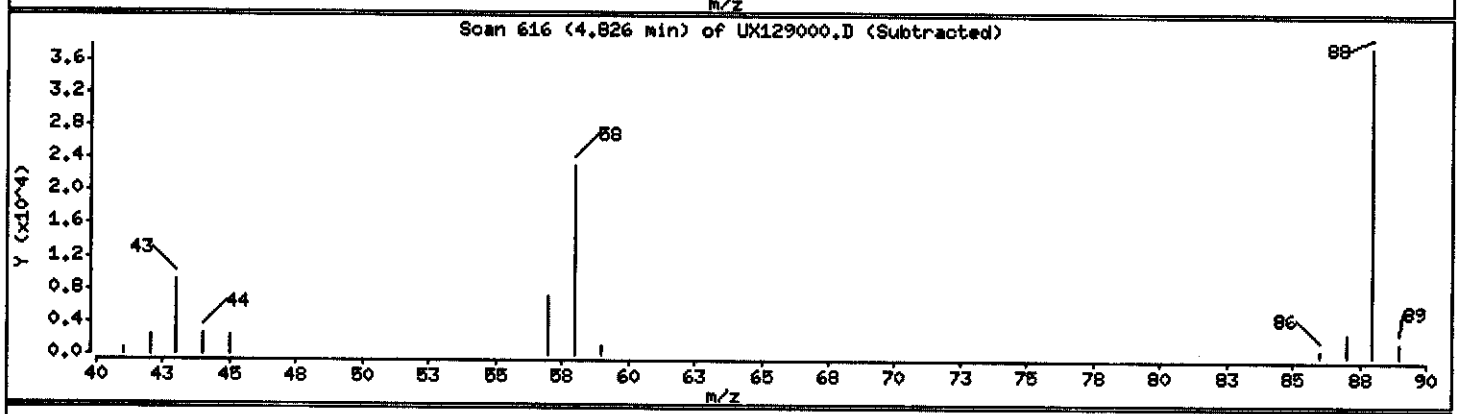
Column phase: DB624

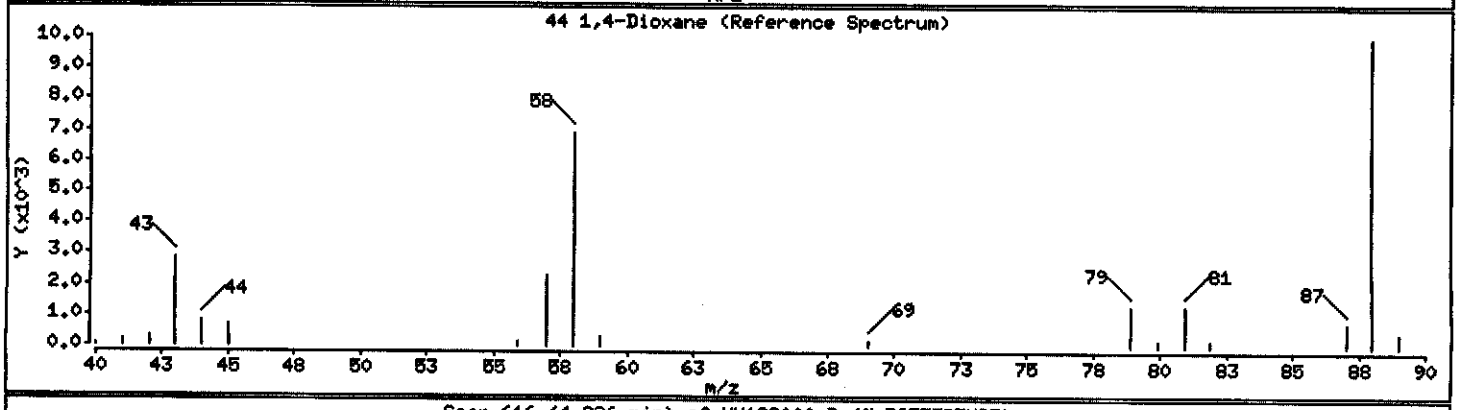
Column diameter: 0.18

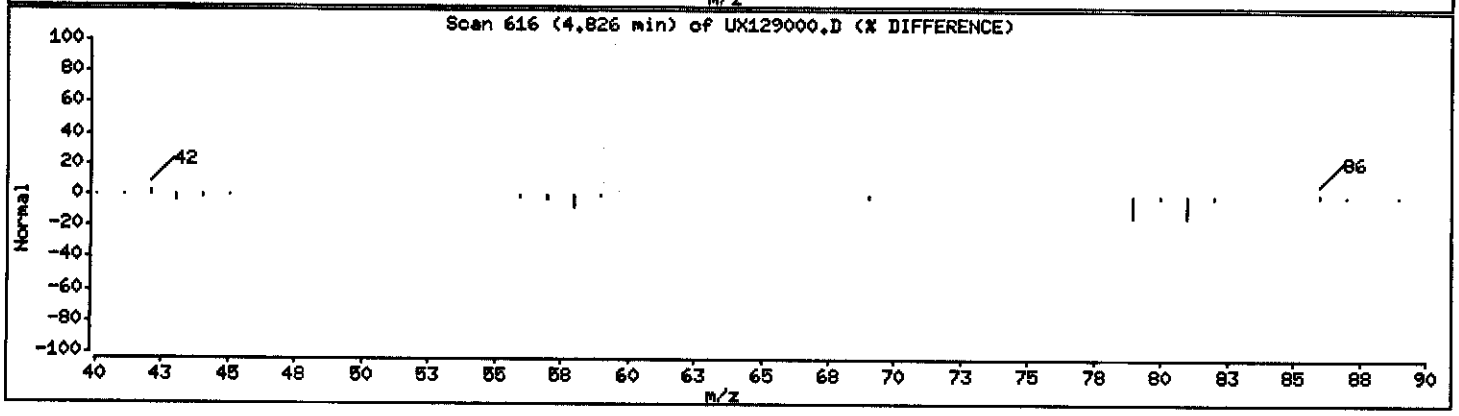
44 1,4-Dioxane

Concentration: 10895 ug/L









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Date : 25-AUG-2004 23:16

Client ID: MW505A/081604

Instrument: a3ux12.i

Sample Info: GM9XV1AA,0.6ML/5ML

Purge Volume: 0.6

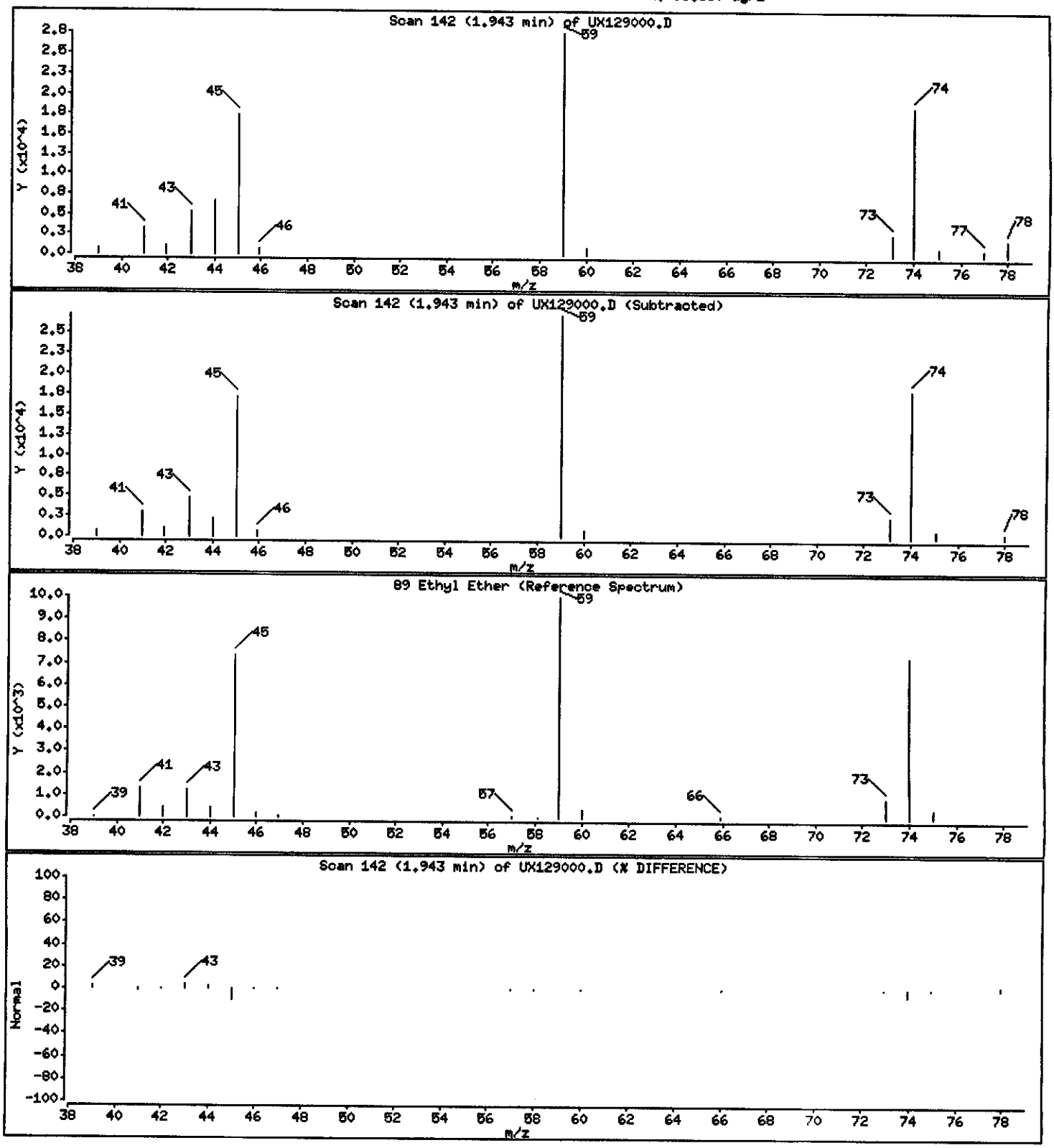
Operator: 1903

Column phase: DB624

Column diameter: 0.18

89 Ethyl Ether

Concentration: 93.560 ug/L



SEVERN TRENT STL

STANDARD DATA

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
Start Cal Date: 20-APR-2004 14:54
End Cal Date : 21-AUG-2004 10:14
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
15-JUL-2004 12:34	3-IX	UX77660.D
21-AUG-2004 08:18	1-8260	UX79038.D
Cal Level: 2 , Cal Amount: 10.000		
15-JUL-2004 12:58	3-IX	UX77661.D
21-AUG-2004 08:41	1-8260	UX79039.D
Cal Level: 3 , Cal Amount: 25.000		
15-JUL-2004 13:21	3-IX	UX77662.D
21-AUG-2004 09:04	1-8260	UX79040.D
Cal Level: 4 , Cal Amount: 50.000		
15-JUL-2004 14:09	3-IX	UX77663.D
21-AUG-2004 09:27	1-8260	UX79041.D
Cal Level: 5 , Cal Amount: 100.00		
15-JUL-2004 14:33	3-IX	UX77664.D
21-AUG-2004 09:50	1-8260	UX79042.D
Cal Level: 6 , Cal Amount: 200.00		
15-JUL-2004 14:56	3-IX	UX77665.D
21-AUG-2004 10:14	1-8260	UX79043.D

Continuing Calibration

21-AUG-2004 09:27	1-8260	UX79041.D
21-AUG-2004 11:00	3-IX	UX79045.D

Report Date : 21-Aug-2004 10:34

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 21-AUG-2004 10:14
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
Cal Date : 21-Aug-2004 10:30 tapsvc
Curve Type : Average

Calibration File Names:
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Level 2: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77661.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77662.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77663.D
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Level 6: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77665.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	0.33442	0.27115	0.23497	0.23928	0.27495	0.23394	0.26478	14.610
	9 Chloromethane	0.59429	0.42360	0.41036	0.38052	0.42203	0.37071	0.43358	18.841
	10 Vinyl Chloride	0.58515	0.40770	0.37803	0.36167	0.41685	0.36852	0.41965	20.008
	11 Bromomethane	0.35860	0.26686	0.25629	0.26018	0.34226	0.34420	0.30473	15.830
	12 Chloroethane	0.42564	0.30874	0.28687	0.27775	0.34525	0.38873	0.33883	17.412
	13 Trichlorofluoromethane	0.38578	0.41272	0.39356	0.38695	0.45364	0.43473	0.41123	6.794
	14 Dichlorofluoromethane	0.62558	0.50741	0.45882	0.42660	0.42898	0.44267	0.48167	15.872
	15 Acrolein	0.04171	0.04831	0.04809	0.04817	0.05068	0.05336	0.04839	7.988
	16 Acetone	0.22301	0.18363	0.15573	0.14006	0.14501	0.14876	0.16603	19.192
	17 1,1-Dichloroethene	0.22765	0.23936	0.25074	0.24313	0.26343	0.24656	0.24515	4.866
	18 Freon-113	0.11483	0.14829	0.16096	0.15383	0.16487	0.15512	0.14965	12.033
	19 Iodomethane	0.28725	0.33843	0.34173	0.33448	0.36230	0.34179	0.33433	7.479
	20 Carbon Disulfide	1.01748	0.98366	1.00167	0.95184	1.00302	0.94517	0.98381	2.994
	21 Methylene Chloride	0.55077	0.42647	0.34247	0.30991	0.31815	0.29340	0.37353	26.426
	22 Acetonitrile	0.03070	0.03504	0.03351	0.03260	0.03494	0.03397	0.03346	4.874
	23 Acrylonitrile	0.09282	0.11017	0.11125	0.10927	0.11641	0.12400	0.11065	9.321
	24 Methyl tert-butyl ether	0.56165	0.61109	0.64978	0.64311	0.72627	0.73635	0.65471	10.248
	25 trans-1,2-Dichloroethene	0.26748	0.27083	0.28465	0.28564	0.30669	0.28778	0.28384	4.928
	26 Hexane	0.01909	0.03910	0.04410	0.04143	0.05031	0.04474	0.03979	27.194
	27 Vinyl acetate	0.37172	0.43483	0.44981	0.47860	0.53161	0.58856	0.47585	16.012
	28 1,1-Dichloroethane	0.47051	0.53180	0.52172	0.51159	0.53906	0.51407	0.51479	4.677
	29 tert-Butyl Alcohol	0.01542	0.01523	0.01765	0.01813	0.02039	0.02403	0.01847	17.998
	30 2-Butanone	0.11816	0.15607	0.14748	0.15019	0.16667	0.17561	0.15236	12.985
M	31 1,2-Dichloroethene (total)	0.24573	0.27086	0.28054	0.28991	0.31064	0.29153	0.28154	7.804
	32 cis-1,2-dichloroethene	0.22399	0.27089	0.27644	0.29417	0.31459	0.29528	0.27923	11.166

Report Date : 21-Aug-2004 10:34

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 21-AUG-2004 10:14
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
Cal Date : 21-Aug-2004 10:30 tapsvc
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	0.28174	0.30262	0.32104	0.31959	0.35708	0.34217	0.32071	8.402	
	34 Bromochloromethane	0.12244	0.12628	0.13407	0.12500	0.13392	0.12320	0.12748	4.095	
	35 Chloroform	0.47490	0.50848	0.50467	0.48115	0.51939	0.48505	0.49561	3.567	
	36 Tetrahydrofuran	0.06826	0.05811	0.06713	0.06709	0.07353	0.08054	0.06911	10.825	
	37 1,1,1-Trichloroethane	0.35164	0.40539	0.40671	0.38784	0.42448	0.40629	0.39706	6.319	
	38 1,1-Dichloropropene	0.27225	0.32113	0.34158	0.35541	0.38727	0.36648	0.34069	11.828	
	39 Carbon Tetrachloride	0.28601	0.30389	0.30938	0.30742	0.32764	0.30756	0.30698	4.327	
	40 1,2-Dichloroethane	0.37196	0.45196	0.44080	0.42489	0.44883	0.42886	0.42788	6.872	
	41 Benzene	1.13265	1.15453	1.19220	1.18392	1.27084	1.19244	1.18777	3.967	
	42 Trichloroethene	0.22891	0.22973	0.23700	0.24370	0.26484	0.24688	0.24184	5.533	
	43 1,2-Dichloropropane	0.25877	0.28851	0.30130	0.29071	0.31262	0.29444	0.29106	6.204	
	44 1,4-Dioxane	0.00144	0.00182	0.00203	0.00196	0.00227	0.00252	0.00201	18.454	<-
	45 Dibromomethane	0.14457	0.17090	0.17168	0.16758	0.17767	0.16753	0.16665	6.862	
	46 Bromodichloromethane	0.34387	0.34621	0.35824	0.35157	0.38585	0.35834	0.35735	4.250	
	47 2-Chloroethyl vinyl ether	0.10743	0.13913	0.15018	0.16156	0.18475	0.19920	0.15704	20.917	
	48 cis-1,3-Dichloropropene	0.33064	0.40725	0.40145	0.39878	0.45929	0.44476	0.40703	11.036	
	49 4-Methyl-2-pentanone	0.17556	0.22069	0.23828	0.24923	0.28903	0.31603	0.24814	20.070	
	50 Toluene	1.36178	1.60554	1.71457	1.71359	1.89413	1.78356	1.67886	10.843	
	51 trans-1,3-Dichloropropene	0.42962	0.50821	0.50889	0.53037	0.60076	0.59209	0.52832	11.924	
	52 Ethyl Methacrylate	0.28237	0.35235	0.40793	0.44262	0.55327	0.58375	0.43705	26.488	
	53 1,1,2-Trichloroethane	0.33875	0.37979	0.36045	0.34709	0.37394	0.35513	0.35919	4.357	
	54 1,3-Dichloropropane	0.52690	0.64649	0.62238	0.62639	0.68560	0.65376	0.62692	8.611	
	55 Tetrachloroethene	0.21407	0.22650	0.23397	0.23347	0.24854	0.22918	0.23096	4.872	
	56 2-Hexanone	0.17581	0.25667	0.28297	0.29239	0.34382	0.37100	0.28711	23.936	
	57 Dibromochloromethane	0.29408	0.25695	0.28326	0.28037	0.32690	0.31561	0.29286	8.659	
	58 1,2-Dibromoethane	0.26687	0.32193	0.31621	0.31196	0.34665	0.33571	0.31655	8.698	
	59 Chlorobenzene	0.88398	1.02854	1.01900	1.00669	1.09069	1.03123	1.01002	6.755	
	60 1,1,1,2-Tetrachloroethane	0.30512	0.31708	0.32050	0.31559	0.34517	0.32456	0.32134	4.160	
	61 Ethylbenzene	0.37575	0.40497	0.48562	0.50069	0.57381	0.54703	0.48131	16.158	
	62 m + p-Xylene	0.42708	0.54959	0.62933	0.64527	0.71984	0.67257	0.60728	17.217	
M	63 Xylenes (total)	0.43090	0.54299	0.61805	0.63597	0.71397	0.66811	0.60167	16.798	
	64 Xylene-o	0.43855	0.52978	0.59550	0.61738	0.70223	0.65918	0.59044	16.018	
	65 Styrene	0.72246	0.88907	1.05681	1.10606	1.27174	1.19359	1.03995	19.497	

Report Date : 21-Aug-2004 10:34

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 21-AUG-2004 10:14
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
Cal Date : 21-Aug-2004 10:30 tapsvc
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	0.14453	0.08979	0.11506	0.12702	0.16256	0.17125	0.13503	22.631	<-
67 Isopropylbenzene	0.87593	1.02150	1.14573	1.20807	1.43509	1.38673	1.17884	18.088	
68 1,1,2,2-Tetrachloroethane	1.05388	1.12546	1.05147	0.96715	1.06875	1.09826	1.06083	5.086	
69 1,4-Dichloro-2-butene	0.34025	0.32424	0.32153	0.32639	0.35857	0.38874	0.34328	7.631	
70 1,2,3-Trichloropropane	0.31086	0.33058	0.32916	0.29807	0.33043	0.34249	0.32360	4.978	
71 Bromobenzene	0.65680	0.74676	0.73059	0.72521	0.81837	0.81196	0.74828	8.059	
72 n-Propylbenzene	0.46353	0.61007	0.68779	0.74639	0.83724	0.81044	0.69258	20.112	
73 2-Chlorotoluene	0.50629	0.64775	0.68604	0.70451	0.78322	0.76097	0.68146	14.534	
74 1,3,5-Trimethylbenzene	1.63999	1.97788	2.30369	2.33259	2.72927	2.68850	2.27865	18.337	
75 4-Chlorotoluene	0.57464	0.68153	0.78101	0.75970	0.81802	0.79695	0.73531	12.469	
76 tert-Butylbenzene	1.27930	1.45763	1.59614	1.73493	2.03735	2.04078	1.69102	18.269	
77 1,2,4-Trimethylbenzene	1.71847	2.00296	2.39536	2.52821	2.85428	2.80455	2.38397	18.825	
78 sec-Butylbenzene	2.05622	2.30067	2.46748	2.70367	3.13786	3.07250	2.62307	16.379	
79 4-Isopropyltoluene	1.50266	1.70614	2.03255	2.12894	2.51575	2.44025	2.05438	19.391	
80 1,3-Dichlorobenzene	1.29315	1.36235	1.38173	1.33487	1.46976	1.40813	1.37500	4.435	
81 1,4-Dichlorobenzene	1.38932	1.49734	1.47390	1.42389	1.57981	1.46840	1.47211	4.447	
82 n-Butylbenzene	1.60535	1.77829	1.95096	2.09498	2.45809	2.47355	2.06020	17.212	
83 1,2-Dichlorobenzene	1.30381	1.33585	1.37044	1.37178	1.53972	1.42321	1.39080	5.980	
84 1,2-Dibromo-3-chloropropane	0.13517	0.11249	0.12668	0.14027	0.15040	0.17355	0.13976	14.979	
85 1,2,4-Trichlorobenzene	0.53445	0.51268	0.55750	0.57151	0.65880	0.67602	0.58516	11.452	
86 Hexachlorobutadiene	0.22951	0.22489	0.21441	0.21463	0.23746	0.22730	0.22470	3.982	
87 Naphthalene	1.31353	1.40879	1.58702	1.90591	2.38722	2.67563	1.87968	29.330	
88 1,2,3-Trichlorobenzene	0.40651	0.46914	0.48037	0.53619	0.61211	0.62085	0.52086	16.280	
89 Ethyl Ether	0.25607	0.25375	0.23960	0.22437	0.23124	0.23562	0.24011	5.227	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91 3-Chloropropene	0.17808	0.15573	0.13924	0.13382	0.13714	0.14153	0.14759	11.342	
92 Isopropyl Ether	0.25442	0.24257	0.23883	0.22766	0.23047	0.23560	0.23826	4.026	
93 2-Chloro-1,3-butadiene	0.48933	0.48297	0.46199	0.42698	0.43864	0.46009	0.46000	5.270	
94 Propionitrile	0.04987	0.04914	0.04457	0.04060	0.04246	0.04284	0.04491	8.414	
95 Ethyl Acetate	0.29777	0.29113	0.28943	0.26373	0.28197	0.28427	0.28472	4.102	
96 Methacrylonitrile	0.20941	0.19777	0.19307	0.17092	0.17943	0.17924	0.18831	7.589	
97 Isobutanol	0.01451	0.01422	0.01364	0.01163	0.01303	0.01316	0.01336	7.693	
98 Cyclohexane	0.28349	0.32757	0.38692	0.39446	0.45790	0.44549	0.38264	17.584	

Report Date : 21-Aug-2004 10:34

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 21-AUG-2004 10:14
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
Cal Date : 21-Aug-2004 10:30 tapsvc
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	0.01506	0.01266	0.01251	0.01091	0.01260	0.01199	0.01262	10.812	
100 Methyl Methacrylate	0.29136	0.28151	0.27668	0.25084	0.26683	0.26969	0.27282	5.087	
101 2-Nitropropane	0.09057	0.08557	0.08575	0.07536	0.08322	0.08355	0.08400	5.934	
102 Chloropicrin	*****	*****	*****	*****	*****	*****	*****	*****	<-
103 Cyclohexanone	0.15315	0.14265	0.12390	0.11836	0.11767	0.11600	0.12862	12.070	
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	0.62425	0.63025	0.67689	0.66525	0.74783	0.73101	0.67925	7.510	
143 Methyl Acetate	0.18739	0.18973	0.18978	0.18494	0.19735	0.20992	0.19318	4.758	
144 Methylcyclohexane	0.19884	0.26275	0.28773	0.30629	0.35798	0.34160	0.29253	19.678	
145 Dimethoxymethane	*****	*****	*****	*****	*****	*****	*****	*****	<-
146 2-Methylnaphthalene	0.17224	0.27684	0.67836	0.85707	0.96410	1.03590	0.66408	54.609	<-
$ 4 Dibromofluoromethane	0.21118	0.20258	0.22957	0.22831	0.23197	0.23179	0.22257	5.628	
$ 5 1,2-Dichloroethane-d4	0.32251	0.29856	0.34106	0.34586	0.34384	0.34734	0.33320	5.772	
$ 6 Toluene-d8	1.10544	1.13379	1.31809	1.36797	1.37721	1.43010	1.28877	10.557	
$ 7 Bromofluorobenzene	0.34591	0.34314	0.41372	0.43075	0.45217	0.47994	0.41094	13.631	

:port Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 20-APR-2004 14:54
ıd Cal Date : 21-AUG-2004 10:14
ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
:thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
ıl Date : 21-Aug-2004 10:30 tapsvc

ıibration File Names:
:vel 1: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77660.D
:vel 2: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77661.D
:vel 3: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77662.D
:vel 4: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77663.D
:vel 5: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77664.D
:vel 6: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77665.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	0.33442	0.27115	0.23497	0.23928	0.27495	0.23394	AVRG		0.26478		14.60974
9 Chloromethane	56018	81809	198918	385116	877759	1677260	QUAD	0.02682	2.13435	0.35861	0.99795
10 Vinyl Chloride	55156	78739	183244	366039	867004	1667330	QUAD	0.03764	2.20103	0.32001	0.99721
11 Bromomethane	33802	51539	124234	263319	711867	1557294	QUAD	0.07031	3.05648	-0.15572	0.99656
12 Chloroethane	40121	59627	139059	281106	718086	1758771	QUAD	0.01747	3.28362	-0.46814	0.99828
13 Trichlorofluoromethane	0.38578	0.41272	0.39356	0.38695	0.45364	0.43473	AVRG		0.41123		6.79373
14 Dichlorofluoromethane	94426	152427	339062	636441	1275165	2613190	QUAD	-0.05658	2.50410	-0.12045	0.99998
15 Acrolein	0.04171	0.04831	0.04809	0.04817	0.05068	0.05336	AVRG		0.04839		7.98767
16 Acetone	42041	70928	150979	283496	603189	1346081	QUAD	-0.13482	7.53401	-0.59053	0.99984

port Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 20-APR-2004 14:54
d Cal Date : 21-AUG-2004 10:14
ant Method : ISTD
rget Version : 4.04
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
l Date : 21-Aug-2004 10:30 tapsvc

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	0.22765	0.23936	0.25074	0.24313	0.26343	0.24656	AVRG		0.24515		4.86598
18 Freon-113	0.11483	0.14829	0.16096	0.15383	0.16487	0.15512	AVRG		0.14965		12.03261
19 Iodomethane	0.28725	0.33843	0.34173	0.33448	0.36230	0.34179	AVRG		0.33433		7.47950
20 Carbon Disulfide	1.01748	0.98366	1.00167	0.95184	1.00302	0.94517	AVRG		0.98381		2.99374
21 Methylene Chloride	51916	82363	166007	313659	661716	1327441	QUAD	-0.05297	3.11886	0.27875	0.99943
22 Acetonitrile	0.03070	0.03504	0.03351	0.03260	0.03494	0.03397	AVRG		0.03346		4.87399
23 Acrylonitrile	0.09282	0.11017	0.11125	0.10927	0.11641	0.12400	AVRG		0.11065		9.32091
24 Methyl tert-butyl ether	0.56165	0.61109	0.64978	0.64311	0.72627	0.73635	AVRG		0.65471		10.24792
25 trans-1,2-Dichloroethene	0.26748	0.27083	0.28465	0.28564	0.30669	0.28778	AVRG		0.28384		4.92755
26 Hexane	1799	7552	21375	41928	104639	202403	QUAD	0.09974	17.42982	23.70608	0.99725
27 Vinyl acetate	35038	83979	218040	484378	1105684	2662905	QUAD	0.03831	2.01693	-0.14250	0.99983
28 1,1-Dichloroethane	0.47051	0.53180	0.52172	0.51159	0.53906	0.51407	AVRG		0.51479		4.67680
29 tert-Butyl Alcohol	29061	58826	171074	366898	848144	2174817	QUAD	0.66792	54.12610	-6.70315	0.99987
30 2-Butanone	0.11816	0.15607	0.14748	0.15019	0.16667	0.17561	AVRG		0.15236		12.98509
31 1,2-Dichloroethene (total)	0.24573	0.27086	0.28054	0.28991	0.31064	0.29153	AVRG		0.28154		7.80377
32 cis-1,2-dichloroethene	0.22399	0.27089	0.27644	0.29417	0.31459	0.29528	AVRG		0.27923		11.16588
33 2,2-Dichloropropane	0.28174	0.30262	0.32104	0.31959	0.35708	0.34217	AVRG		0.32071		8.40228

:port Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 20-APR-2004 14:54
ıd Cal Date : 21-AUG-2004 10:14
ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
:thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
ıl Date : 21-Aug-2004 10:30 tapsvc

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	0.12244	0.12628	0.13407	0.12500	0.13392	0.12320	AVRG		0.12748		4.09483	
35 Chloroform	0.47490	0.50848	0.50467	0.48115	0.51939	0.48505	AVRG		0.49561		3.56704	
36 Tetrahydrofuran	0.06826	0.05811	0.06713	0.06709	0.07353	0.08054	AVRG		0.06911		10.82523	
37 1,1,1-Trichloroethane	0.35164	0.40539	0.40671	0.38784	0.42448	0.40629	AVRG		0.39706		6.31859	
38 1,1-Dichloropropene	0.27225	0.32113	0.34158	0.35541	0.38727	0.36648	AVRG		0.34069		11.82794	
39 Carbon Tetrachloride	0.28601	0.30389	0.30938	0.30742	0.32764	0.30756	AVRG		0.30698		4.32748	
40 1,2-Dichloroethane	0.37196	0.45196	0.44080	0.42489	0.44883	0.42886	AVRG		0.42788		6.87171	
41 Benzene	1.13265	1.15453	1.19220	1.18392	1.27084	1.19244	AVRG		1.18777		3.96669	
42 Trichloroethene	0.22891	0.22973	0.23700	0.24370	0.26484	0.24688	AVRG		0.24184		5.53308	
43 1,2-Dichloropropane	0.25877	0.28851	0.30130	0.29071	0.31262	0.29444	AVRG		0.29106		6.20388	
44 1,4-Dioxane	6796	17615	49201	99196	235884	569906	QUAD	1.93166	477	-167	0.99957	<-
45 Dibromomethane	0.14457	0.17090	0.17168	0.16758	0.17767	0.16753	AVRG		0.16665		6.86219	
46 Bromodichloromethane	0.34387	0.34621	0.35824	0.35157	0.38585	0.35834	AVRG		0.35735		4.24973	
47 2-Chloroethyl vinyl ether	20252	53742	145596	327033	768502	1802567	QUAD	0.11829	5.69056	-0.47137	0.99962	
48 cis-1,3-Dichloropropene	0.33064	0.40725	0.40145	0.39878	0.45929	0.44476	AVRG		0.40703		11.03643	
49 4-Methyl-2-pentanone	33097	85243	231007	504485	1202280	2859682	QUAD	0.10979	3.68701	-0.22557	0.99955	
50 Toluene	1.36178	1.60554	1.71457	1.71359	1.89413	1.78356	AVRG		1.67886		10.84335	

port Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 20-APR-2004 14:54
d Cal Date : 21-AUG-2004 10:14
ant Method : ISTD
rget Version : 4.04
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
l Date : 21-Aug-2004 10:30 tapsvc

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	0.42962	0.50821	0.50889	0.53037	0.60076	0.59209	AVRG		0.52832		11.92397	
52 Ethyl Methacrylate	18310	46849	137580	312101	798445	1848169	QUAD	0.09265	1.87852	-0.08973	0.99856	
53 1,1,2-Trichloroethane	0.33875	0.37979	0.36045	0.34709	0.37394	0.35513	AVRG		0.35919		4.35663	
54 1,3-Dichloropropane	0.52690	0.64649	0.62238	0.62639	0.68560	0.65376	AVRG		0.62692		8.61135	
55 Tetrachloroethene	0.21407	0.22650	0.23397	0.23347	0.24854	0.22918	AVRG		0.23096		4.87151	
56 2-Hexanone	22800	68255	190870	412341	992360	2349194	QUAD	0.12727	3.06786	-0.14129	0.99942	
57 Dibromochloromethane	0.29408	0.25695	0.28326	0.28037	0.32690	0.31561	AVRG		0.29286		8.65902	
58 1,2-Dibromoethane	0.26687	0.32193	0.31621	0.31196	0.34665	0.33571	AVRG		0.31655		8.69849	
59 Chlorobenzene	0.88398	1.02854	1.01900	1.00669	1.09069	1.03123	AVRG		1.01002		6.75537	
60 1,1,1,2-Tetrachloroethane	0.30512	0.31708	0.32050	0.31559	0.34517	0.32456	AVRG		0.32134		4.15995	
61 Ethylbenzene	24365	53845	163780	353051	828082	1731921	QUAD	0.07600	1.66002	0.05848	0.99897	
62 m + p-Xylene	55387	146150	424498	909985	2077655	4258757	QUAD	0.14693	1.28478	0.03169	0.99915	
63 Xylenes (total)	83824	216592	625338	1345314	3091065	6345762	QUAD	0.22303	1.30055	0.02045	0.99908	
64 Xylene-o	28437	70441	200839	435329	1013410	2087004	QUAD	0.07626	1.33279	0.05709	0.99891	
65 Styrene	46847	118212	356421	779914	1835280	3778950	QUAD	0.08562	0.73242	0.01774	0.99881	
66 Bromoform	9372	11938	38807	89567	234595	542169	QUAD	0.09117	6.44782	-1.10764	0.99771	<-
67 Isopropylbenzene	56799	135821	386411	851840	2071013	4390436	QUAD	0.08356	0.67718	0.00478	0.99857	

:port Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 20-APR-2004 14:54
d Cal Date : 21-AUG-2004 10:14
ant Method : ISTD
rget Version : 4.04
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
l Date : 21-Aug-2004 10:30 tapsvc

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	1.05388	1.12546	1.05147	0.96715	1.06875	1.09826	AVRG		1.06083		5.08574
69 1,4-Dichloro-2-butene	0.34025	0.32424	0.32153	0.32639	0.35857	0.38874	AVRG		0.34328		7.63117
70 1,2,3-Trichloropropane	0.31086	0.33058	0.32916	0.29807	0.33043	0.34249	AVRG		0.32360		4.97838
71 Bromobenzene	0.65680	0.74676	0.73059	0.72521	0.81837	0.81196	AVRG		0.74828		8.05913
72 n-Propylbenzene	12445	36224	107765	247123	567500	1165686	QUAD	0.07712	1.14398	0.01952	0.99931
73 2-Chlorotoluene	0.50629	0.64775	0.68604	0.70451	0.78322	0.76097	AVRG		0.68146		14.53441
74 1,3,5-Trimethylbenzene	44031	117440	360952	772303	1849956	3866971	QUAD	0.07208	0.36236	0.00018	0.99900
75 4-Chlorotoluene	0.57464	0.68153	0.78101	0.75970	0.81802	0.79695	AVRG		0.73531		12.46922
76 tert-Butylbenzene	34347	86549	250089	574421	1380964	2935340	QUAD	0.07713	0.49174	-0.00152	0.99895
77 1,2,4-Trimethylbenzene	46138	118929	375315	837071	1934692	4033903	QUAD	0.07234	0.34166	0.00069	0.99937
78 sec-Butylbenzene	55206	136606	386614	895164	2126908	4419299	QUAD	0.07740	0.31276	0.00045	0.99889
79 4-Isopropyltoluene	40344	101305	318468	704876	1705233	3509911	QUAD	0.08422	0.38621	0.00140	0.99872
80 1,3-Dichlorobenzene	1.29315	1.36235	1.38173	1.33487	1.46976	1.40813	AVRG		1.37500		4.43484
81 1,4-Dichlorobenzene	1.38932	1.49734	1.47390	1.42389	1.57981	1.46840	AVRG		1.47211		4.44739
82 n-Butylbenzene	43101	105589	305684	693631	1666150	3557808	QUAD	0.07317	0.41003	-0.00143	0.99900
83 1,2-Dichlorobenzene	1.30381	1.33585	1.37044	1.37178	1.53972	1.42321	AVRG		1.39080		5.98034
84 1,2-Dibromo-3-chloropropane	0.13517	0.11249	0.12668	0.14027	0.15040	0.17355	AVRG		0.13976		14.97907

port Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 20-APR-2004 14:54
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ant Method : ISTD
rget Version : 4.04
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
l Date : 21-Aug-2004 10:30 tapsvc

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	0.53445	0.51268	0.55750	0.57151	0.65880	0.67602	AVRG		0.58516		11.45228	
86 Hexachlorobutadiene	0.22951	0.22489	0.21441	0.21463	0.23746	0.22730	AVRG		0.22470		3.98183	
87 Naphthalene	35266	83649	248661	631030	1618107	3848461	QUAD	0.09927	0.44658	-0.00774	0.99859	
88 1,2,3-Trichlorobenzene	10914	27856	75266	177529	414905	892987	QUAD	0.06727	1.65070	-0.02834	0.99925	
89 Ethyl Ether	0.25607	0.25375	0.23960	0.22437	0.23124	0.23562	AVRG		0.24011		5.22683	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.17808	0.15573	0.13924	0.13382	0.13714	0.14153	AVRG		0.14759		11.34158	
92 Isopropyl Ether	0.25442	0.24257	0.23883	0.22766	0.23047	0.23560	AVRG		0.23826		4.02566	
93 2-Chloro-1,3-butadiene	0.48933	0.48297	0.46199	0.42698	0.43864	0.46009	AVRG		0.46000		5.27011	
94 Propionitrile	0.04987	0.04914	0.04457	0.04060	0.04246	0.04284	AVRG		0.04491		8.41417	
95 Ethyl Acetate	0.29777	0.29113	0.28943	0.26373	0.28197	0.28427	AVRG		0.28472		4.10165	
96 Methacrylonitrile	0.20941	0.19777	0.19307	0.17092	0.17943	0.17924	AVRG		0.18831		7.58862	
97 Isobutanol	0.01451	0.01422	0.01364	0.01163	0.01303	0.01316	AVRG		0.01336		7.69314	
98 Cyclohexane	26722	63264	187557	399226	952374	2015573	QUAD	0.07367	2.13042	0.03755	0.99900	
99 n-Butanol	0.01506	0.01266	0.01251	0.01091	0.01260	0.01199	AVRG		0.01262		10.81213	
00 Methyl Methacrylate	0.29136	0.28151	0.27668	0.25084	0.26683	0.26969	AVRG		0.27282		5.08673	
01 2-Nitropropane	0.09057	0.08557	0.08575	0.07536	0.08322	0.08355	AVRG		0.08400		5.93430	

eport Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 20-APR-2004 14:54
ıd Cal Date : 21-AUG-2004 10:14
ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
ıl Date : 21-Aug-2004 10:30 tapsvc

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	0.15315	0.14265	0.12390	0.11836	0.11767	0.11600	AVRG		0.12862		12.07030	
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	<-
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		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	0.62425	0.63025	0.67689	0.66525	0.74783	0.73101	AVRG		0.67925		7.50973	
143 Methyl Acetate	0.18739	0.18973	0.18978	0.18494	0.19735	0.20992	AVRG		0.19318		4.75761	
144 Methylcyclohexane	18743	50745	139475	309990	744552	1545527	QUAD	0.08471	2.66617	0.13876	0.99869	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	14733	46860	289459	738092	1673833	3576115	QUAD	0.25376	1.02123	-0.01053	0.99968	

:port Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

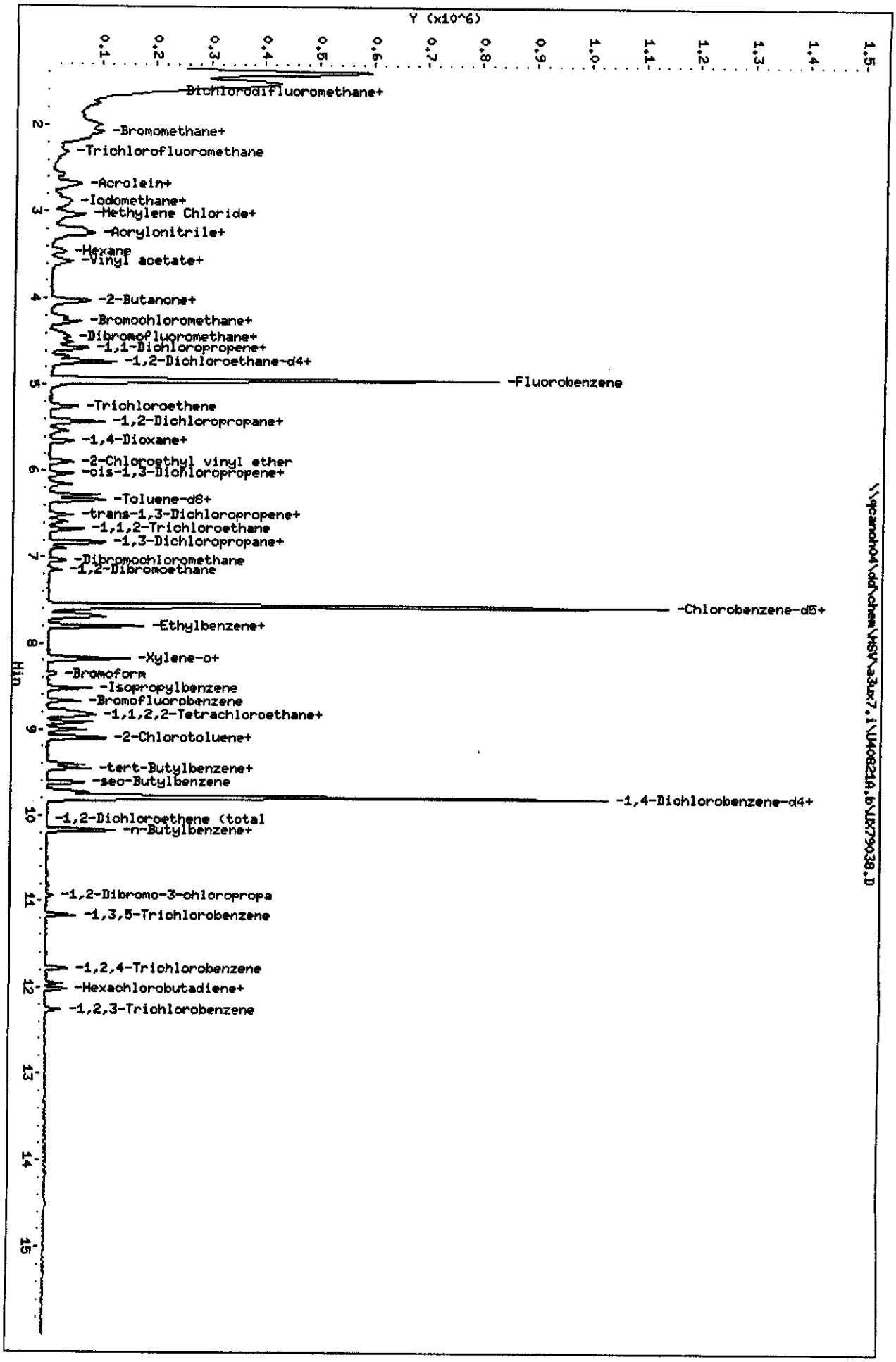
:art Cal Date : 20-APR-2004 14:54
ıd Cal Date : 21-AUG-2004 10:14
ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
:thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
ıl Date : 21-Aug-2004 10:30 tapsvc

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	0.21118	0.20258	0.22957	0.22831	0.23197	0.23179	AVRG		0.22257		5.62813
5 1,2-Dichloroethane-d4	0.32251	0.29856	0.34106	0.34586	0.34384	0.34734	AVRG		0.33320		5.77171
6 Toluene-d8	1.10544	1.13379	1.31809	1.36797	1.37721	1.43010	AVRG		1.28877		10.55708
7 Bromofluorobenzene	0.34591	0.34314	0.41372	0.43075	0.45217	0.47994	AVRG		0.41094		13.63062

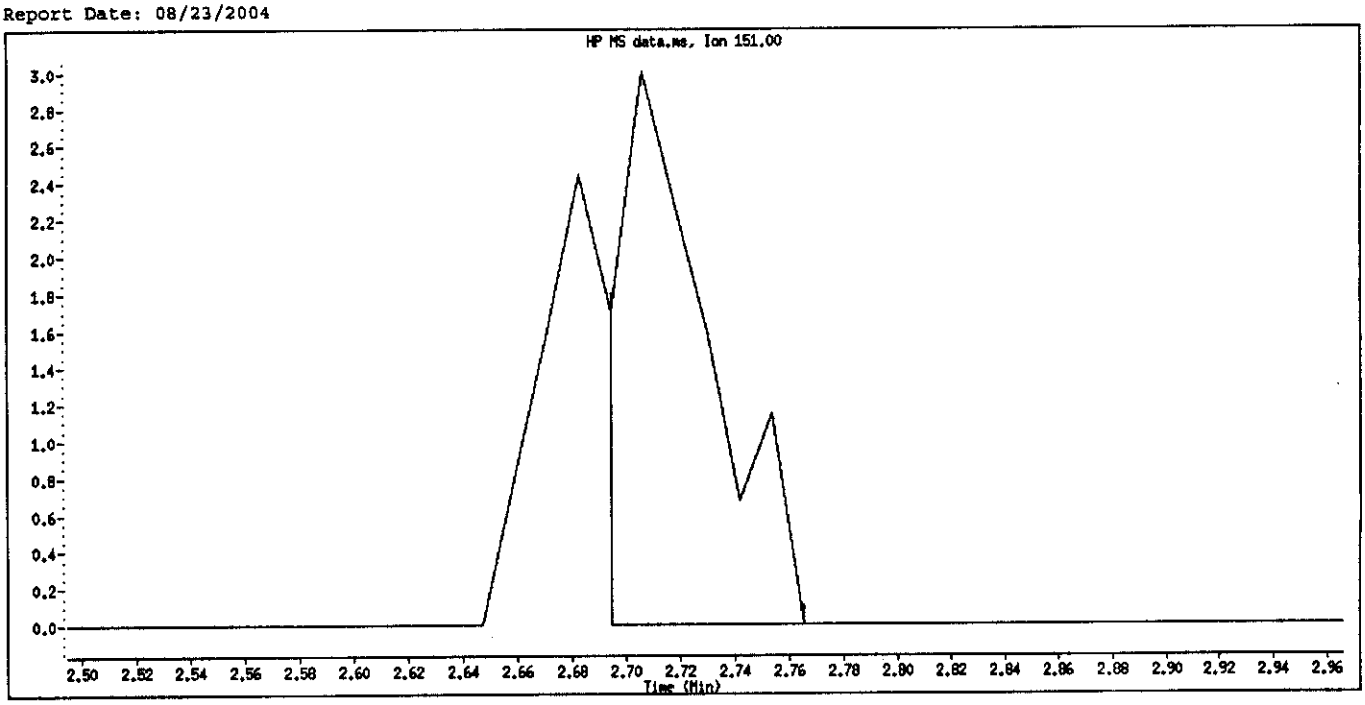
urve	Formula	Units
veraged	Amt = Rsp/m1	Response
uad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\U408210.b\UX79038.D
Date : 21-AUG-2004 08:18
Client ID:
Sample Info: BNG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m

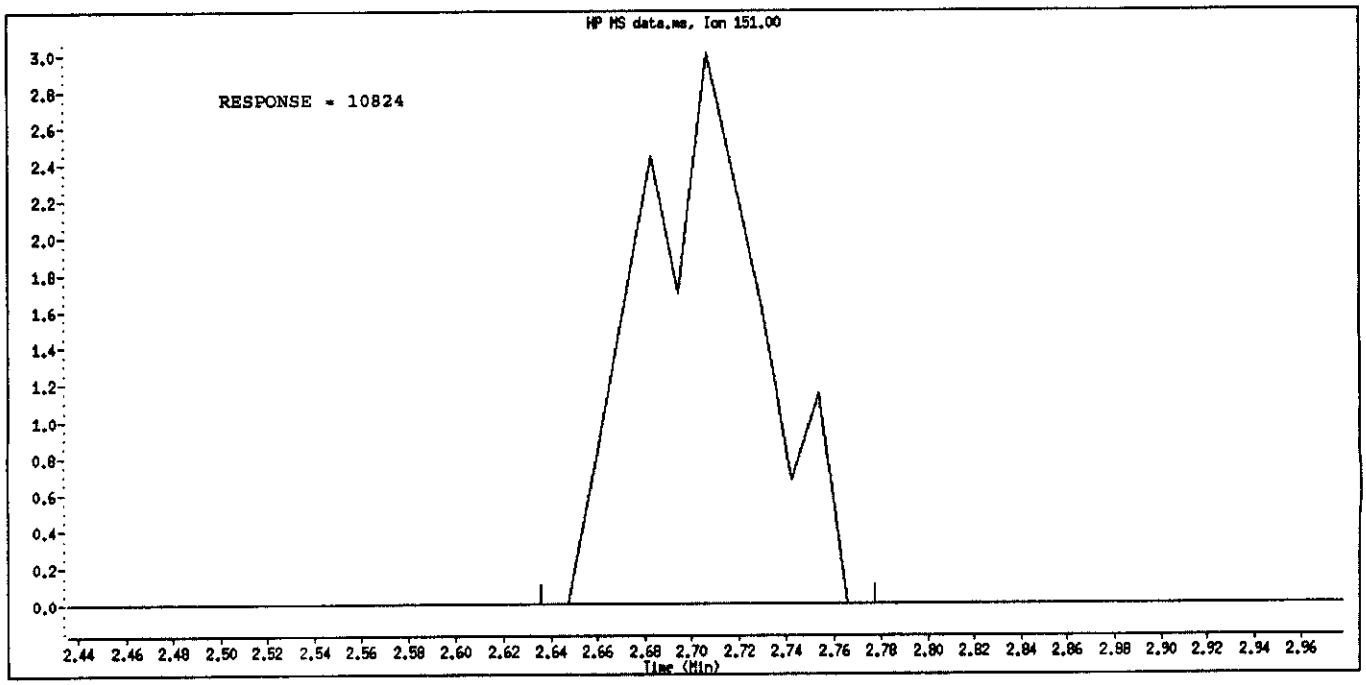
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18



Data File Name: UX79038.D
Inj. Date and Time: 21-AUG-2004 08:18
Instrument ID: a3ux7.i
Client ID:
Compound Name: Freon-113
CAS #: 76-13-1
Report Date: 08/23/2004



Original Integration



Manual Integration

Manually Integrated By: RoachC
Manual Integration Reason: Poor Chromatography

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79038.D
Report Date: 23-Aug-2004 09:43

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79038.D
Lab Smp Id: 5NG8260CAL
Inj Date : 21-AUG-2004 08:18
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 5NG8260CAL
Misc Info : U40821A,N8260UX7-3,1-8260.SUB,1754,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
Meth Date : 23-Aug-2004 09:43 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

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	4.954	4.954	(1.000)	942601	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.569	(1.000)	648439	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.794	(1.000)	268483	50.0000	
$ 4 Dibromofluoromethane	113	4.398	4.398	(0.888)	19906	5.00000	4.744
$ 5 1,2-Dichloroethane-d4	65	4.670	4.670	(0.943)	30400	5.00000	4.840
$ 6 Toluene-d8	98	6.279	6.279	(0.830)	71681	5.00000	4.289
$ 7 Bromofluorobenzene	95	8.670	8.670	(1.145)	22430	5.00000	4.209
8 Dichlorodifluoromethane	85	1.605	1.605	(0.324)	31522	5.00000	6.315
9 Chloromethane	50	1.641	1.641	(0.331)	56018	5.00000	7.746
10 Vinyl Chloride	62	1.759	1.759	(0.355)	55156	5.00000	8.377
11 Bromomethane	94	1.984	1.984	(0.401)	33802	5.00000	8.986
12 Chloroethane	64	2.079	2.079	(0.420)	40121	5.00000	7.819
13 Trichlorofluoromethane	101	2.315	2.315	(0.467)	36364	5.00000	4.691
15 Acrolein	56	2.576	2.576	(0.520)	39315	50.0000	43.098
16 Acetone	43	2.706	2.706	(0.546)	42041	10.0000	10.002
17 1,1-Dichloroethene	96	2.670	2.670	(0.539)	21458	5.00000	4.643
18 Freon-113	151	2.706	2.706	(0.546)	10824	5.00000	3.837(M)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79038.D
Report Date: 23-Aug-2004 09:43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.801	2.801	(0.565)	27076	5.00000	4.296
	20 Carbon Disulfide	76	2.872	2.872	(0.580)	95908	5.00000	5.171
	21 Methylene Chloride	84	3.049	3.049	(0.615)	51916	5.00000	5.983
	22 Acetonitrile	41	2.895	2.895	(0.584)	28939	50.0000	45.878(M)
	23 Acrylonitrile	53	3.203	3.203	(0.647)	87493	50.0000	41.942
	24 Methyl tert-butyl ether	73	3.262	3.262	(0.658)	52941	5.00000	4.289
	25 trans-1,2-Dichloroethene	96	3.250	3.250	(0.656)	25213	5.00000	4.712
	26 Hexane	86	3.475	3.475	(0.701)	1799	5.00000	6.655
	27 Vinyl acetate	43	3.593	3.593	(0.725)	35038	5.00000	5.654
	28 1,1-Dichloroethane	63	3.570	3.570	(0.721)	44350	5.00000	4.570
	29 tert-Butyl Alcohol	59	3.096	3.096	(0.625)	29061	100.000	116.51
	30 2-Butanone	43	4.019	4.019	(0.811)	22276	10.0000	7.755
M	31 1,2-Dichloroethene (total)	96				46326	10.0000	8.723
	32 cis-1,2-dichloroethene	96	4.031	4.031	(0.814)	21113	5.00000	4.011
	33 2,2-Dichloropropane	77	4.055	4.055	(0.818)	26557	5.00000	4.392
	34 Bromochloromethane	128	4.220	4.220	(0.852)	11541	5.00000	4.802
	35 Chloroform	83	4.268	4.268	(0.861)	44764	5.00000	4.791
	36 Tetrahydrofuran	42	4.268	4.268	(0.861)	6434	5.00000	4.938
	37 1,1,1-Trichloroethane	97	4.445	4.445	(0.897)	33146	5.00000	4.428
	38 1,1-Dichloropropene	75	4.564	4.564	(0.921)	25662	5.00000	3.996
	39 Carbon Tetrachloride	117	4.575	4.575	(0.924)	26959	5.00000	4.658
	40 1,2-Dichloroethane	62	4.729	4.729	(0.955)	35061	5.00000	4.346
	41 Benzene	78	4.729	4.729	(0.955)	106764	5.00000	4.768
	42 Trichloroethene	130	5.262	5.262	(1.062)	21577	5.00000	4.733
	43 1,2-Dichloropropane	63	5.439	5.439	(1.098)	24392	5.00000	4.445
	44 1,4-Dioxane	88	5.546	5.546	(1.119)	6796	250.000	268.05(A)
	45 Dibromomethane	93	5.534	5.534	(1.117)	13627	5.00000	4.337
	46 Bromodichloromethane	83	5.652	5.652	(1.141)	32413	5.00000	4.811
	47 2-Chloroethyl vinyl ether	63	5.901	5.901	(1.191)	20252	10.0000	12.017
	48 cis-1,3-Dichloropropene	75	6.031	6.031	(1.217)	31166	5.00000	4.062
	49 4-Methyl-2-pentanone	43	6.161	6.161	(1.244)	33097	10.0000	11.948
	50 Toluene	91	6.339	6.339	(0.837)	88303	5.00000	4.056
	51 trans-1,3-Dichloropropene	75	6.516	6.516	(0.861)	27858	5.00000	4.066
	52 Ethyl Methacrylate	69	6.587	6.587	(0.870)	18310	5.00000	7.281
	53 1,1,2-Trichloroethane	97	6.670	6.670	(0.881)	21966	5.00000	4.715
	54 1,3-Dichloropropane	76	6.824	6.824	(0.902)	34166	5.00000	4.202
	55 Tetrachloroethene	164	6.836	6.836	(0.903)	13881	5.00000	4.634
	56 2-Hexanone	43	6.883	6.883	(0.909)	22800	10.0000	11.748
	57 Dibromochloromethane	129	7.037	7.037	(0.930)	19069	5.00000	5.021
	58 1,2-Dibromoethane	107	7.143	7.143	(0.944)	17305	5.00000	4.215
	59 Chlorobenzene	112	7.593	7.593	(1.003)	57321	5.00000	4.376
	60 1,1,1,2-Tetrachloroethane	131	7.664	7.664	(1.013)	19785	5.00000	4.748
	61 Ethylbenzene	106	7.699	7.699	(1.017)	24365	5.00000	6.923
	62 m + p-Xylene	106	7.806	7.806	(1.031)	55387	10.0000	12.845
M	63 Xylenes (total)	106				83824	15.0000	19.586
	64 Xylene-o	106	8.173	8.173	(1.080)	28437	5.00000	6.741
	65 Styrene	104	8.184	8.184	(1.081)	46847	5.00000	6.931

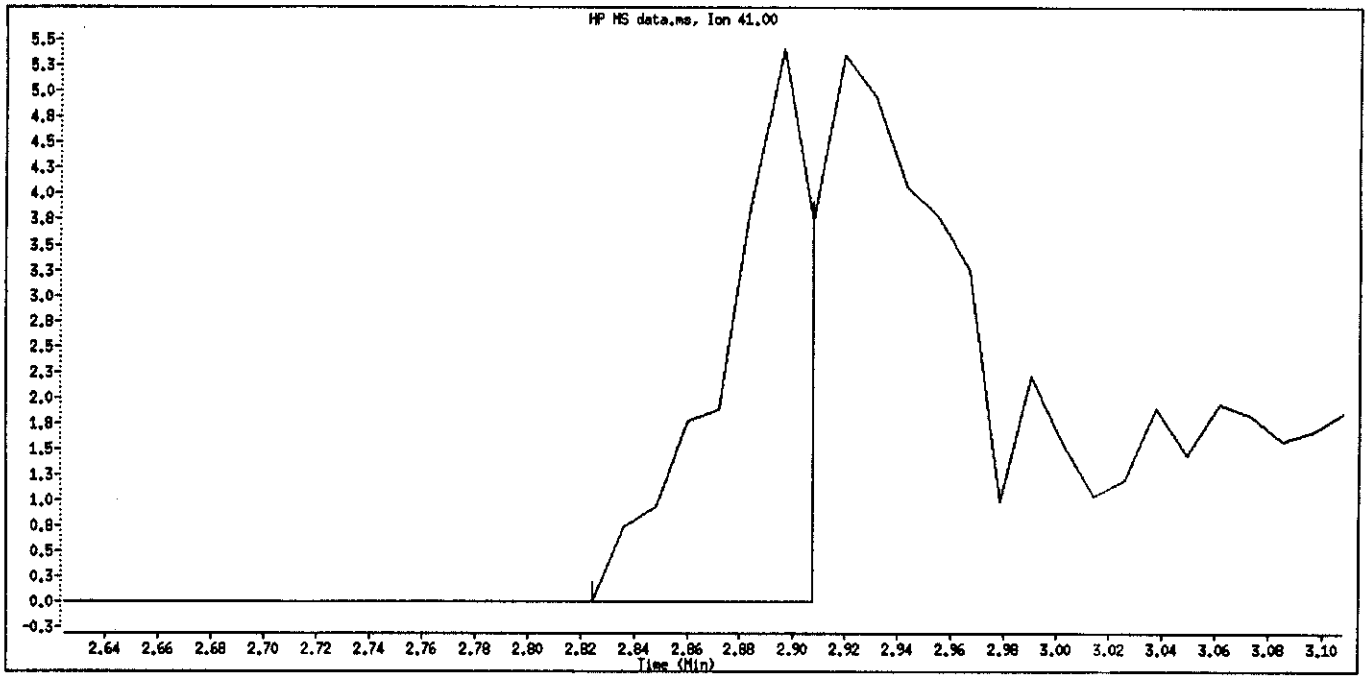
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79038.D
Report Date: 23-Aug-2004 09:43

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.350	8.350	(1.103)	9372	5.00000	9.206
67 Isopropylbenzene	105	8.528	8.528	(1.127)	56799	5.00000	7.146
68 1,1,2,2-Tetrachloroethane	83	8.788	8.788	(0.897)	28295	5.00000	4.967
69 1,4-Dichloro-2-butene	53	8.847	8.847	(0.903)	9135	5.00000	4.956
70 1,2,3-Trichloropropane	110	8.835	8.835	(0.902)	8346	5.00000	4.803
71 Bromobenzene	156	8.823	8.823	(0.901)	17634	5.00000	4.389
72 n-Propylbenzene	120	8.918	8.918	(0.911)	12445	5.00000	6.510
73 2-Chlorotoluene	126	9.001	9.001	(0.919)	13593	5.00000	3.715
74 1,3,5-Trimethylbenzene	105	9.084	9.084	(0.927)	44031	5.00000	6.575
75 4-Chlorotoluene	126	9.107	9.107	(0.930)	15428	5.00000	3.907
76 tert-Butylbenzene	119	9.403	9.403	(0.960)	34347	5.00000	7.001
77 1,2,4-Trimethylbenzene	105	9.451	9.451	(0.965)	46138	5.00000	6.553
78 sec-Butylbenzene	105	9.616	9.616	(0.982)	55206	5.00000	7.087
79 4-Isopropyltoluene	119	9.758	9.758	(0.996)	40344	5.00000	7.114
80 1,3-Dichlorobenzene	146	9.735	9.735	(0.994)	34719	5.00000	4.702
81 1,4-Dichlorobenzene	146	9.817	9.817	(1.002)	37301	5.00000	4.719
82 n-Butylbenzene	91	10.161	10.161	(1.037)	43101	5.00000	6.948
83 1,2-Dichlorobenzene	146	10.184	10.184	(1.040)	35005	5.00000	4.687
84 1,2-Dibromo-3-chloropropane	157	10.942	10.942	(1.117)	3629	5.00000	4.836
85 1,2,4-Trichlorobenzene	180	11.782	11.782	(1.203)	14349	5.00000	4.567
86 Hexachlorobutadiene	225	11.959	11.959	(1.221)	6162	5.00000	5.107
87 Naphthalene	128	12.018	12.018	(1.227)	35266	5.00000	7.890
88 1,2,3-Trichlorobenzene	180	12.255	12.255	(1.251)	10914	5.00000	6.716
98 Cyclohexane	56	4.493	4.493	(0.907)	26722	5.00000	6.705
143 Methyl Acetate	43	2.954	2.954	(0.596)	35326	10.0000	9.700
144 Methylcyclohexane	83	5.439	5.439	(1.098)	18743	5.00000	6.889
141 1,3,5-Trichlorobenzene	180	11.166	11.166	(1.140)	16760	5.00000	4.595

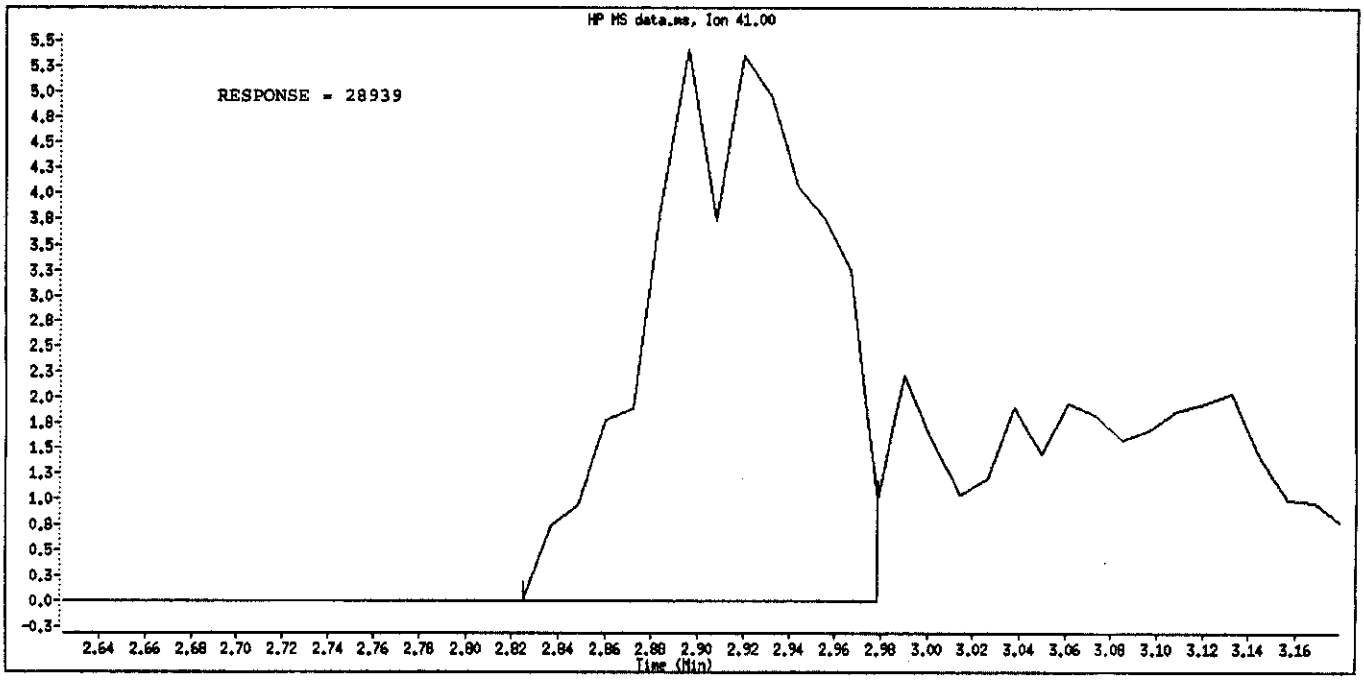
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File Name: UX79038.D
Inj. Date and Time: 21-AUG-2004 08:18
Instrument ID: a3ux7.i
Client ID:
Compound Name: Acetonitrile
CAS #: 75-05-8
Report Date: 08/23/2004



Original Integration

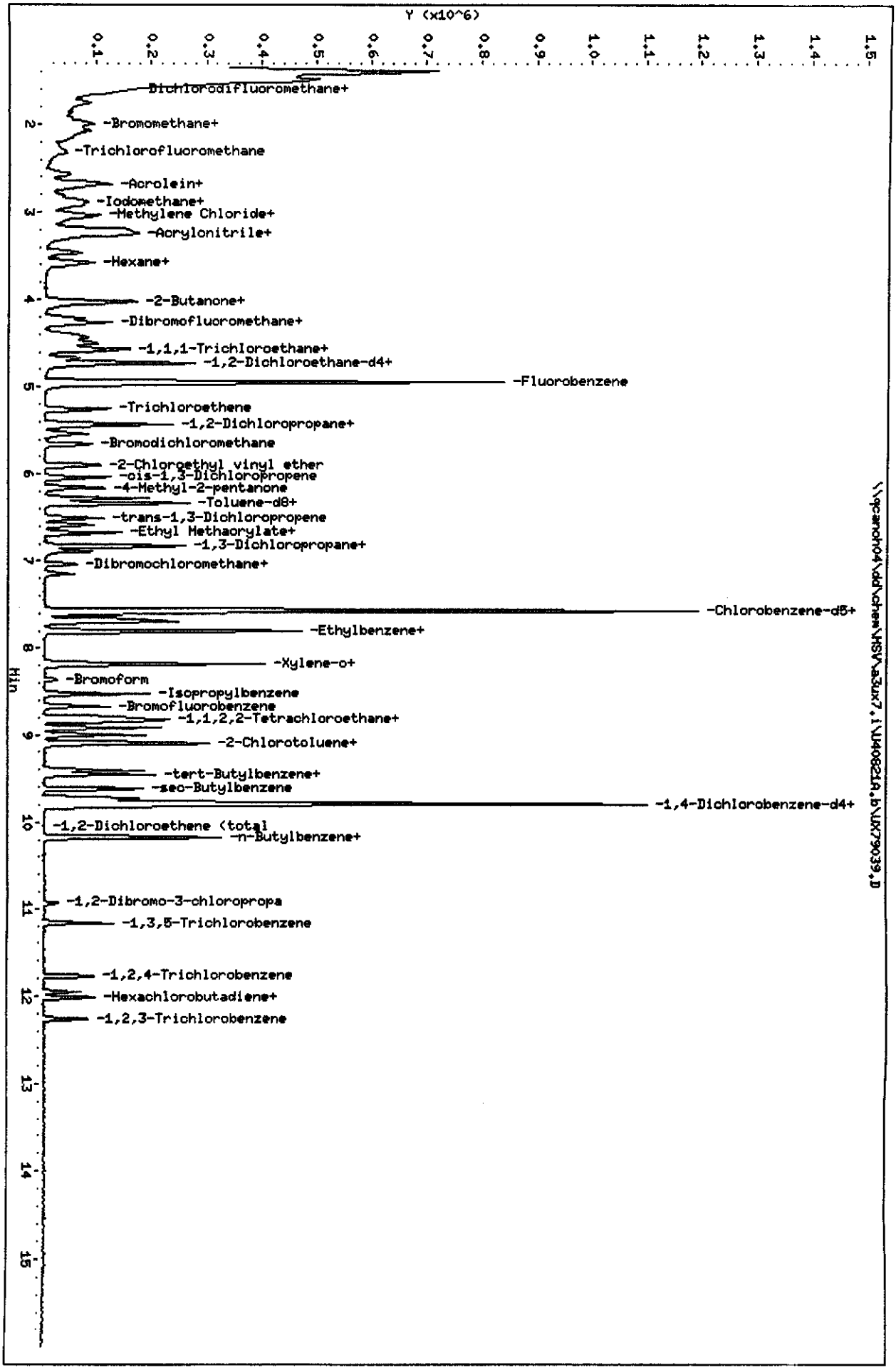


Manual Integration

Manually Integrated By: RoachC
Manual Integration Reason: Poor Chromatography

Data File: \\qcanch04\dd\chem\HSV\a3ux7.i\U406821A.b\UX79039.D
Date : 21-AUG-2004 08:41
Client ID:
Sample Info: 10NC8260CAL
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79039.D
Report Date: 23-Aug-2004 09:44

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79039.D
Lab Smp Id: 10NG8260CAL
Inj Date : 21-AUG-2004 08:41
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 10NG8260CAL
Misc Info : U40821A,N8260UX7-3,1-8260.SUB,1754,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
Meth Date : 23-Aug-2004 09:44 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

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	4.955	4.955	(1.000)	965645	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.570	(1.000)	664809	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.795	(1.000)	296883	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.399	(0.888)	39124	10.0000	9.102
$ 5 1,2-Dichloroethane-d4	65	4.671	4.671	(0.943)	57661	10.0000	8.960
$ 6 Toluene-d8	98	6.280	6.280	(0.830)	150751	10.0000	8.797
$ 7 Bromofluorobenzene	95	8.670	8.670	(1.145)	45624	10.0000	8.350
8 Dichlorodifluoromethane	85	1.594	1.594	(0.322)	52367	10.0000	10.240
9 Chloromethane	50	1.642	1.642	(0.331)	81809	10.0000	10.511
10 Vinyl Chloride	62	1.748	1.748	(0.353)	78739	10.0000	10.962
11 Bromomethane	94	1.997	1.997	(0.403)	51539	10.0000	11.650
12 Chloroethane	64	2.068	2.068	(0.417)	59627	10.0000	10.922
13 Trichlorofluoromethane	101	2.316	2.316	(0.468)	79709	10.0000	10.036
15 Acrolein	56	2.565	2.565	(0.518)	93308	100.000	99.847
16 Acetone	43	2.683	2.683	(0.542)	70928	20.0000	20.769
17 1,1-Dichloroethene	96	2.695	2.695	(0.544)	46227	10.0000	9.764
18 Freon-113	151	2.683	2.683	(0.542)	28639	10.0000	9.909

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79039.D
Report Date: 23-Aug-2004 09:44

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.801	2.801	(0.565)	65361	10.0000	10.123
	20 Carbon Disulfide	76	2.884	2.884	(0.582)	189974	10.0000	9.998
	21 Methylene Chloride	84	3.038	3.038	(0.613)	82363	10.0000	10.754
	22 Acetonitrile	41	2.908	2.908	(0.587)	67680	100.000	104.74
	23 Acrylonitrile	53	3.204	3.204	(0.647)	212771	100.000	99.563
	24 Methyl tert-butyl ether	73	3.263	3.263	(0.659)	118020	10.0000	9.334
	25 trans-1,2-Dichloroethene	96	3.251	3.251	(0.656)	52306	10.0000	9.542
	26 Hexane	86	3.464	3.464	(0.699)	7552	10.0000	11.875
	27 Vinyl acetate	43	3.594	3.594	(0.725)	83979	10.0000	10.632
	28 1,1-Dichloroethane	63	3.571	3.571	(0.721)	102706	10.0000	10.330
	29 tert-Butyl Alcohol	59	3.085	3.085	(0.623)	58826	200.000	197.02
	30 2-Butanone	43	4.020	4.020	(0.811)	60283	20.0000	20.486
M	31 1,2-Dichloroethene (total)	96				104623	20.0000	19.243
	32 cis-1,2-dichloroethene	96	4.032	4.032	(0.814)	52317	10.0000	9.701
	33 2,2-Dichloropropane	77	4.032	4.032	(0.814)	58444	10.0000	9.436
	34 Bromochloromethane	128	4.210	4.210	(0.850)	24389	10.0000	9.906
	35 Chloroform	83	4.269	4.269	(0.862)	98202	10.0000	10.260
	36 Tetrahydrofuran	42	4.269	4.269	(0.862)	11223	10.0000	8.408
	37 1,1,1-Trichloroethane	97	4.446	4.446	(0.897)	78292	10.0000	10.210
	38 1,1-Dichloropropene	75	4.565	4.565	(0.921)	62020	10.0000	9.426
	39 Carbon Tetrachloride	117	4.576	4.576	(0.924)	58690	10.0000	9.899
	40 1,2-Dichloroethane	62	4.730	4.730	(0.955)	87286	10.0000	10.563
	41 Benzene	78	4.730	4.730	(0.955)	222974	10.0000	9.720
	42 Trichloroethene	130	5.263	5.263	(1.062)	44367	10.0000	9.499
	43 1,2-Dichloropropane	63	5.428	5.428	(1.096)	55719	10.0000	9.912
	44 1,4-Dioxane	88	5.535	5.535	(1.117)	17615	500.000	528.72(A)
	45 Dibromomethane	93	5.535	5.535	(1.117)	33005	10.0000	10.255
	46 Bromodichloromethane	83	5.653	5.653	(1.141)	66864	10.0000	9.688
	47 2-Chloroethyl vinyl ether	63	5.902	5.902	(1.191)	53742	20.0000	21.677
	48 cis-1,3-Dichloropropene	75	6.032	6.032	(1.217)	78651	10.0000	10.005
	49 4-Methyl-2-pentanone	43	6.162	6.162	(1.244)	85243	20.0000	21.675
	50 Toluene	91	6.339	6.339	(0.837)	213475	10.0000	9.563
	51 trans-1,3-Dichloropropene	75	6.517	6.517	(0.861)	67572	10.0000	9.619
	52 Ethyl Methacrylate	69	6.588	6.588	(0.870)	46849	10.0000	11.229
	53 1,1,2-Trichloroethane	97	6.671	6.671	(0.881)	50498	10.0000	10.574
	54 1,3-Dichloropropane	76	6.825	6.825	(0.902)	85958	10.0000	10.312
	55 Tetrachloroethene	164	6.836	6.836	(0.903)	30116	10.0000	9.807
	56 2-Hexanone	43	6.884	6.884	(0.909)	68255	20.0000	22.038
	57 Dibromochloromethane	129	7.038	7.038	(0.930)	34165	10.0000	8.774
	58 1,2-Dibromoethane	107	7.144	7.144	(0.944)	42805	10.0000	10.170
	59 Chlorobenzene	112	7.594	7.594	(1.003)	136757	10.0000	10.183
	60 1,1,1,2-Tetrachloroethane	131	7.665	7.665	(1.013)	42160	10.0000	9.868
	61 Ethylbenzene	106	7.700	7.700	(1.017)	53845	10.0000	10.541
	62 m + p-Xylene	106	7.807	7.807	(1.031)	146150	20.0000	21.545
M	63 Xylenes (total)	106				216591	30.0000	32.451
	64 Xylene-o	106	8.174	8.174	(1.080)	70441	10.0000	10.906
	65 Styrene	104	8.185	8.185	(1.081)	118212	10.0000	10.820

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79039.D
Report Date: 23-Aug-2004 09:44

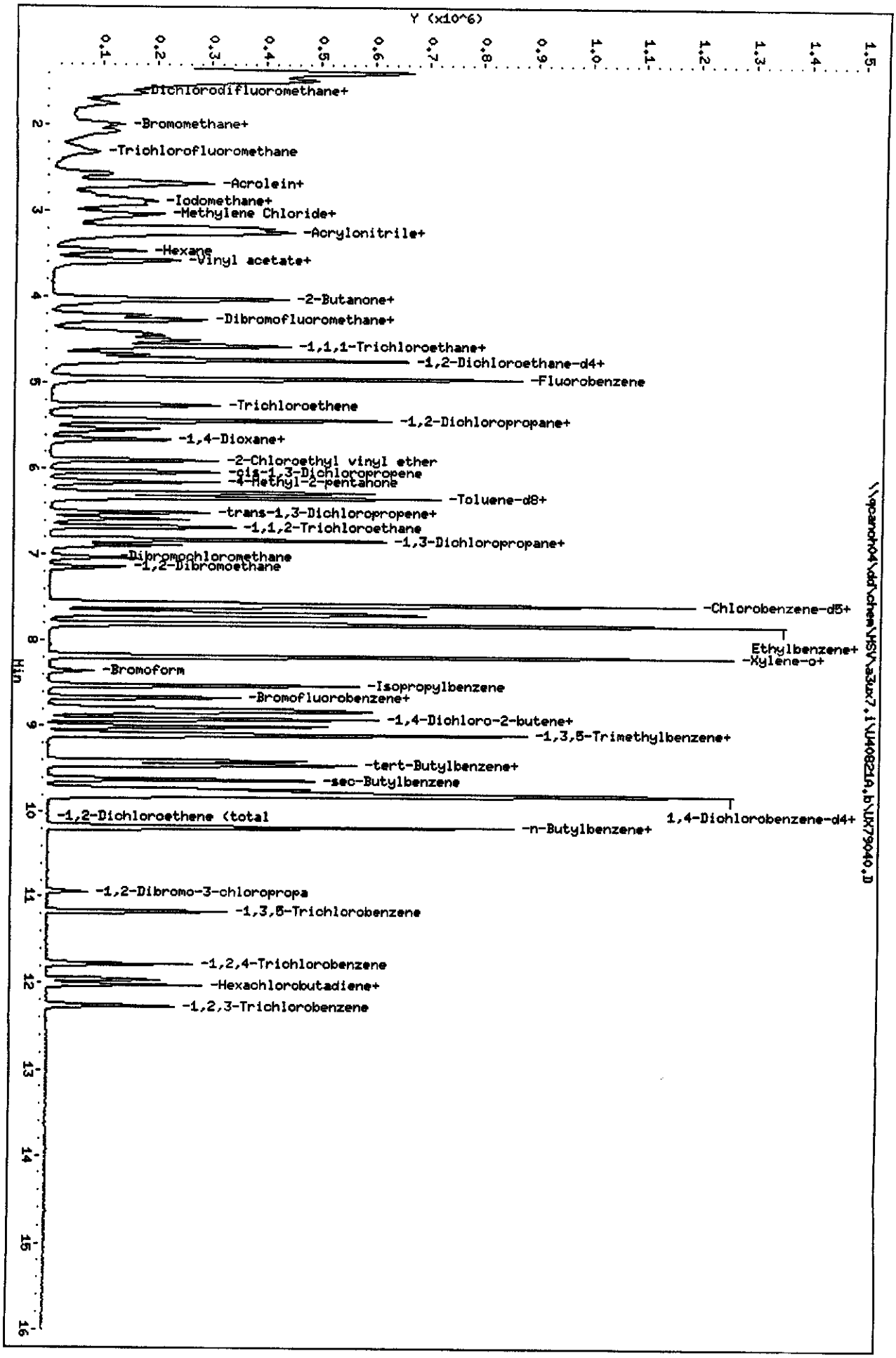
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.363	8.363	(1.105)	11938	10.0000	10.330
67 Isopropylbenzene	105	8.528	8.528	(1.127)	135821	10.0000	11.106
68 1,1,2,2-Tetrachloroethane	83	8.789	8.789	(0.897)	66826	10.0000	10.609
69 1,4-Dichloro-2-butene	53	8.848	8.848	(0.903)	19252	10.0000	9.445
70 1,2,3-Trichloropropane	110	8.836	8.836	(0.902)	19629	10.0000	10.216
71 Bromobenzene	156	8.824	8.824	(0.901)	44340	10.0000	9.980
72 n-Propylbenzene	120	8.919	8.919	(0.911)	36224	10.0000	10.850
73 2-Chlorotoluene	126	9.002	9.002	(0.919)	38461	10.0000	9.505
74 1,3,5-Trimethylbenzene	105	9.085	9.085	(0.927)	117440	10.0000	10.772
75 4-Chlorotoluene	126	9.108	9.108	(0.930)	40467	10.0000	9.269
76 tert-Butylbenzene	119	9.404	9.404	(0.960)	86549	10.0000	11.018
77 1,2,4-Trimethylbenzene	105	9.451	9.451	(0.965)	118929	10.0000	10.465
78 sec-Butylbenzene	105	9.617	9.617	(0.982)	136606	10.0000	11.070
79 4-Isopropyltoluene	119	9.759	9.759	(0.996)	101305	10.0000	10.808
80 1,3-Dichlorobenzene	146	9.735	9.735	(0.994)	80892	10.0000	9.908
81 1,4-Dichlorobenzene	146	9.818	9.818	(1.002)	88907	10.0000	10.171
82 n-Butylbenzene	91	10.161	10.161	(1.037)	105589	10.0000	10.941
83 1,2-Dichlorobenzene	146	10.185	10.185	(1.040)	79318	10.0000	9.605
84 1,2-Dibromo-3-chloropropane	157	10.942	10.942	(1.117)	6679	10.0000	8.049
85 1,2,4-Trichlorobenzene	180	11.783	11.783	(1.203)	30441	10.0000	8.761
86 Hexachlorobutadiene	225	11.960	11.960	(1.221)	13353	10.0000	10.008
87 Naphthalene	128	12.019	12.019	(1.227)	83649	10.0000	11.224
88 1,2,3-Trichlorobenzene	180	12.268	12.268	(1.252)	27856	10.0000	11.095
98 Cyclohexane	56	4.505	4.505	(0.909)	63264	10.0000	10.670
143 Methyl Acetate	43	2.932	2.932	(0.592)	73285	20.0000	19.642
144 Methylcyclohexane	83	5.440	5.440	(1.098)	50745	10.0000	11.260
141 1,3,5-Trichlorobenzene	180	11.167	11.167	(1.140)	37422	10.0000	9.279

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U408210.b\UX79040.D
Date : 21-AUG-2004 09:04
Client ID:
Sample Info: 25N0826OCAL
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79040.D
Report Date: 23-Aug-2004 09:45

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79040.D
Lab Smp Id: 25NG8260CAL
Inj Date : 21-AUG-2004 09:04
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 25NG8260CAL
Misc Info : U40821A,N8260UX7-3,1-8260.SUB,1754,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
Meth Date : 23-Aug-2004 09:44 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

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	4.953	4.953	(1.000)	969480	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.568	(1.000)	674525	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	313368	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	111281	25.0000	25.786
$ 5 1,2-Dichloroethane-d4	65	4.669	4.669	(0.943)	165327	25.0000	25.590
$ 6 Toluene-d8	98	6.278	6.278	(0.830)	444543	25.0000	25.569
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	139532	25.0000	25.169
8 Dichlorodifluoromethane	85	1.604	1.604	(0.324)	113901	25.0000	22.185
9 Chloromethane	50	1.639	1.639	(0.331)	198918	25.0000	23.992
10 Vinyl Chloride	62	1.758	1.758	(0.355)	183244	25.0000	23.255
11 Bromomethane	94	1.994	1.994	(0.403)	124234	25.0000	22.971
12 Chloroethane	64	2.077	2.077	(0.419)	139059	25.0000	23.941
13 Trichlorofluoromethane	101	2.326	2.326	(0.470)	190773	25.0000	23.926
15 Acrolein	56	2.574	2.574	(0.520)	233134	250.000	248.48
16 Acetone	43	2.681	2.681	(0.541)	150979	50.0000	51.207
17 1,1-Dichloroethene	96	2.681	2.681	(0.541)	121545	25.0000	25.571
18 Freon-113	151	2.681	2.681	(0.541)	78026	25.0000	26.890

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79040.D
Report Date: 23-Aug-2004 09:45

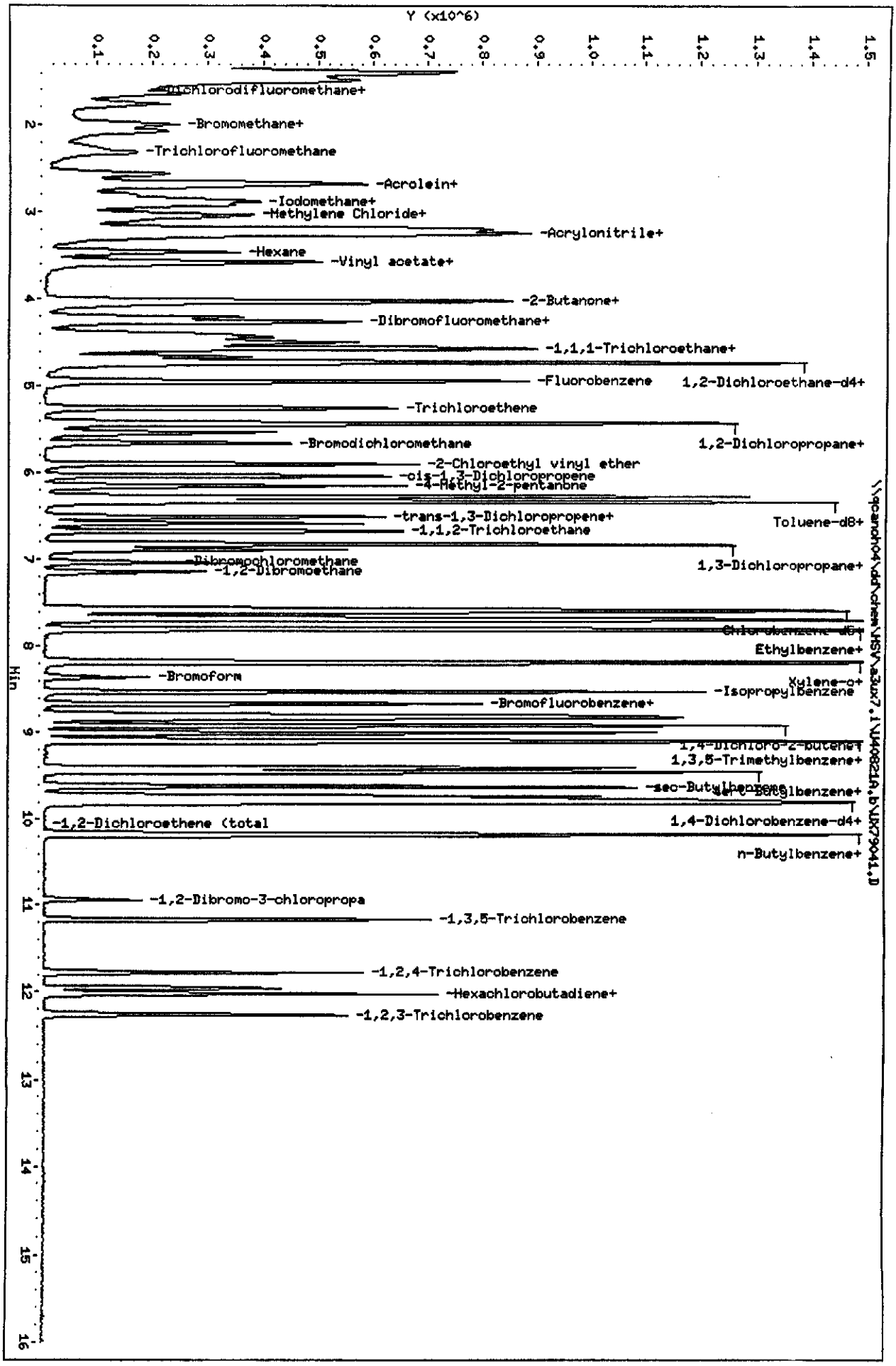
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.811	2.811	(0.568)	165650	25.0000	25.553
	20 Carbon Disulfide	76	2.882	2.882	(0.582)	485549	25.0000	25.454
	21 Methylene Chloride	84	3.036	3.036	(0.613)	166007	25.0000	24.463
	22 Acetonitrile	41	2.905	2.905	(0.587)	162425	250.000	250.36
	23 Acrylonitrile	53	3.201	3.201	(0.646)	539271	250.000	251.35
	24 Methyl tert-butyl ether	73	3.260	3.260	(0.658)	314976	25.0000	24.812
	25 trans-1,2-Dichloroethene	96	3.249	3.249	(0.656)	137980	25.0000	25.071
	26 Hexane	86	3.473	3.473	(0.701)	21375	25.0000	24.778
	27 Vinyl acetate	43	3.592	3.592	(0.725)	218040	25.0000	24.236
	28 1,1-Dichloroethane	63	3.568	3.568	(0.720)	252899	25.0000	25.336
	29 tert-Butyl Alcohol	59	3.095	3.095	(0.625)	171074	500.000	500.51
	30 2-Butanone	43	4.018	4.018	(0.811)	142976	50.0000	48.397
M	31 1,2-Dichloroethene (total)	96				271980	50.0000	49.821
	32 cis-1,2-dichloroethene	96	4.030	4.030	(0.814)	134000	25.0000	24.750
	33 2,2-Dichloropropane	77	4.041	4.041	(0.816)	155621	25.0000	25.026
	34 Bromochloromethane	128	4.219	4.219	(0.852)	64987	25.0000	26.291
	35 Chloroform	83	4.266	4.266	(0.861)	244635	25.0000	25.457
	36 Tetrahydrofuran	42	4.266	4.266	(0.861)	32540	25.0000	24.283
	37 1,1,1-Trichloroethane	97	4.444	4.444	(0.897)	197151	25.0000	25.608
	38 1,1-Dichloropropene	75	4.562	4.562	(0.921)	165577	25.0000	25.066
	39 Carbon Tetrachloride	117	4.586	4.586	(0.926)	149967	25.0000	25.195
	40 1,2-Dichloroethane	62	4.728	4.728	(0.955)	213675	25.0000	25.755
	41 Benzene	78	4.740	4.740	(0.957)	577908	25.0000	25.093
	42 Trichloroethene	130	5.260	5.260	(1.062)	114881	25.0000	24.499
	43 1,2-Dichloropropane	63	5.438	5.438	(1.098)	146050	25.0000	25.879
	44 1,4-Dioxane	88	5.544	5.544	(1.119)	49201	1250.00	1285.1(A)
	45 Dibromomethane	93	5.532	5.532	(1.117)	83218	25.0000	25.754
	46 Bromodichloromethane	83	5.663	5.663	(1.143)	173653	25.0000	25.062
	47 2-Chloroethyl vinyl ether	63	5.899	5.899	(1.191)	145596	50.0000	48.113
	48 cis-1,3-Dichloropropene	75	6.041	6.041	(1.220)	194598	25.0000	24.657
	49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	231007	50.0000	48.776
	50 Toluene	91	6.337	6.337	(0.837)	578261	25.0000	25.532
	51 trans-1,3-Dichloropropene	75	6.514	6.514	(0.861)	171629	25.0000	24.080
	52 Ethyl Methacrylate	69	6.585	6.585	(0.870)	137580	25.0000	23.603
	53 1,1,2-Trichloroethane	97	6.680	6.680	(0.883)	121567	25.0000	25.088
	54 1,3-Dichloropropane	76	6.822	6.822	(0.901)	209906	25.0000	24.819
	55 Tetrachloroethene	164	6.834	6.834	(0.903)	78910	25.0000	25.326
	56 2-Hexanone	43	6.893	6.893	(0.911)	190870	50.0000	49.203
	57 Dibromochloromethane	129	7.035	7.035	(0.930)	95533	25.0000	24.180
	58 1,2-Dibromoethane	107	7.142	7.142	(0.944)	106645	25.0000	24.973
	59 Chlorobenzene	112	7.603	7.603	(1.005)	343671	25.0000	25.222
	60 1,1,1,2-Tetrachloroethane	131	7.674	7.674	(1.014)	108094	25.0000	24.935
	61 Ethylbenzene	106	7.698	7.698	(1.017)	163780	25.0000	24.125
	62 m + p-Xylene	106	7.804	7.804	(1.031)	424498	50.0000	48.402
M	63 Xylenes (total)	106				625337	75.0000	72.309
	64 Xylene-o	106	8.183	8.183	(1.081)	200839	25.0000	23.908
	65 Styrene	104	8.183	8.183	(1.081)	356421	25.0000	23.879

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79040.D
Report Date: 23-Aug-2004 09:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.360	8.360	(1.105)	38807	25.0000	22.923
67 Isopropylbenzene	105	8.526	8.526	(1.127)	386411	25.0000	23.653
68 1,1,2,2-Tetrachloroethane	83	8.786	8.786	(0.897)	164749	25.0000	24.780
69 1,4-Dichloro-2-butene	53	8.846	8.846	(0.903)	50378	25.0000	23.415
70 1,2,3-Trichloropropane	110	8.834	8.834	(0.902)	51574	25.0000	25.430
71 Bromobenzene	156	8.822	8.822	(0.901)	114471	25.0000	24.409
72 n-Propylbenzene	120	8.917	8.917	(0.911)	107765	25.0000	23.642
73 2-Chlorotoluene	126	8.999	8.999	(0.919)	107492	25.0000	25.168
74 1,3,5-Trimethylbenzene	105	9.094	9.094	(0.929)	360952	25.0000	24.485
75 4-Chlorotoluene	126	9.106	9.106	(0.930)	122372	25.0000	26.554
76 tert-Butylbenzene	119	9.402	9.402	(0.960)	250089	25.0000	23.430
77 1,2,4-Trimethylbenzene	105	9.449	9.449	(0.965)	375315	25.0000	24.126
78 sec-Butylbenzene	105	9.626	9.626	(0.983)	386614	25.0000	23.197
79 4-Isopropyltoluene	119	9.768	9.768	(0.998)	318468	25.0000	23.908
80 1,3-Dichlorobenzene	146	9.733	9.733	(0.994)	216495	25.0000	25.122
81 1,4-Dichlorobenzene	146	9.816	9.816	(1.002)	230936	25.0000	25.030
82 n-Butylbenzene	91	10.171	10.171	(1.039)	305684	25.0000	23.589
83 1,2-Dichlorobenzene	146	10.183	10.183	(1.040)	214726	25.0000	24.634
84 1,2-Dibromo-3-chloropropane	157	10.940	10.940	(1.117)	19848	25.0000	22.660
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	87352	25.0000	23.818
86 Hexachlorobutadiene	225	11.958	11.958	(1.221)	33594	25.0000	23.855
87 Naphthalene	128	12.017	12.017	(1.227)	248661	25.0000	22.438
88 1,2,3-Trichlorobenzene	180	12.265	12.265	(1.253)	75266	25.0000	23.105
98 Cyclohexane	56	4.503	4.503	(0.909)	187557	25.0000	24.361
143 Methyl Acetate	43	2.929	2.929	(0.591)	183990	50.0000	49.120
144 Methylcyclohexane	83	5.438	5.438	(1.098)	139475	25.0000	23.558
141 1,3,5-Trichlorobenzene	180	11.165	11.165	(1.140)	106058	25.0000	24.913

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 21-AUG-2004 09:27
Client ID:
Sample Info: 50NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
Trichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Dibromofluoromethane+
-1,1,1-Trichloroethane+
-Fluorobenzene
1,2-Dichloroethane-d4+
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene+
Toluene-d8+
-1,1,2-Trichloroethane
-Dibromochloromethane
-1,2-Dibromoethane
1,3-Dichloropropane+
Chlorobenzene-d5+
Ethylbenzene+
-Bromoform
Xylene-o+
-Isopropylbenzene
-Bromofluorobenzene+
1,4-Dichloro-2-butene+
1,3,5-Trimethylbenzene+
-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
\\qcanoh04\dd\chem\HSV\a3ux7.i\U40821A.b\UX79041.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79041.D
Report Date: 23-Aug-2004 09:45

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79041.D
Lab Smp Id: 50NG8260CAL
Inj Date : 21-AUG-2004 09:27
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NG8260CAL
Misc Info : U40821A,N8260UX7-3,1-8260.SUB,1754,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
Meth Date : 23-Aug-2004 09:45 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

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	4.953	4.953	(1.000)	1012083	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.568	(1.000)	705125	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	331092	50.0000	
$ 4 Dibromofluoromethane	113	4.397	4.397	(0.888)	231069	50.0000	51.290
$ 5 1,2-Dichloroethane-d4	65	4.669	4.669	(0.943)	350037	50.0000	51.900
$ 6 Toluene-d8	98	6.278	6.278	(0.830)	964587	50.0000	53.073
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	303732	50.0000	52.410
8 Dichlorodifluoromethane	85	1.604	1.604	(0.324)	242172	50.0000	45.184
9 Chloromethane	50	1.639	1.639	(0.331)	385116	50.0000	44.545
10 Vinyl Chloride	62	1.758	1.758	(0.355)	366039	50.0000	43.777
11 Bromomethane	94	1.994	1.994	(0.403)	263319	50.0000	42.749
12 Chloroethane	64	2.077	2.077	(0.419)	281106	50.0000	44.669
13 Trichlorofluoromethane	101	2.314	2.314	(0.467)	391621	50.0000	47.047
15 Acrolein	56	2.562	2.562	(0.517)	487553	500.000	497.78
16 Acetone	43	2.681	2.681	(0.541)	283496	100.000	96.461
17 1,1-Dichloroethene	96	2.681	2.681	(0.541)	246072	50.0000	49.590
18 Freon-113	151	2.693	2.693	(0.544)	155689	50.0000	51.396

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79041.D
Report Date: 23-Aug-2004 09:45

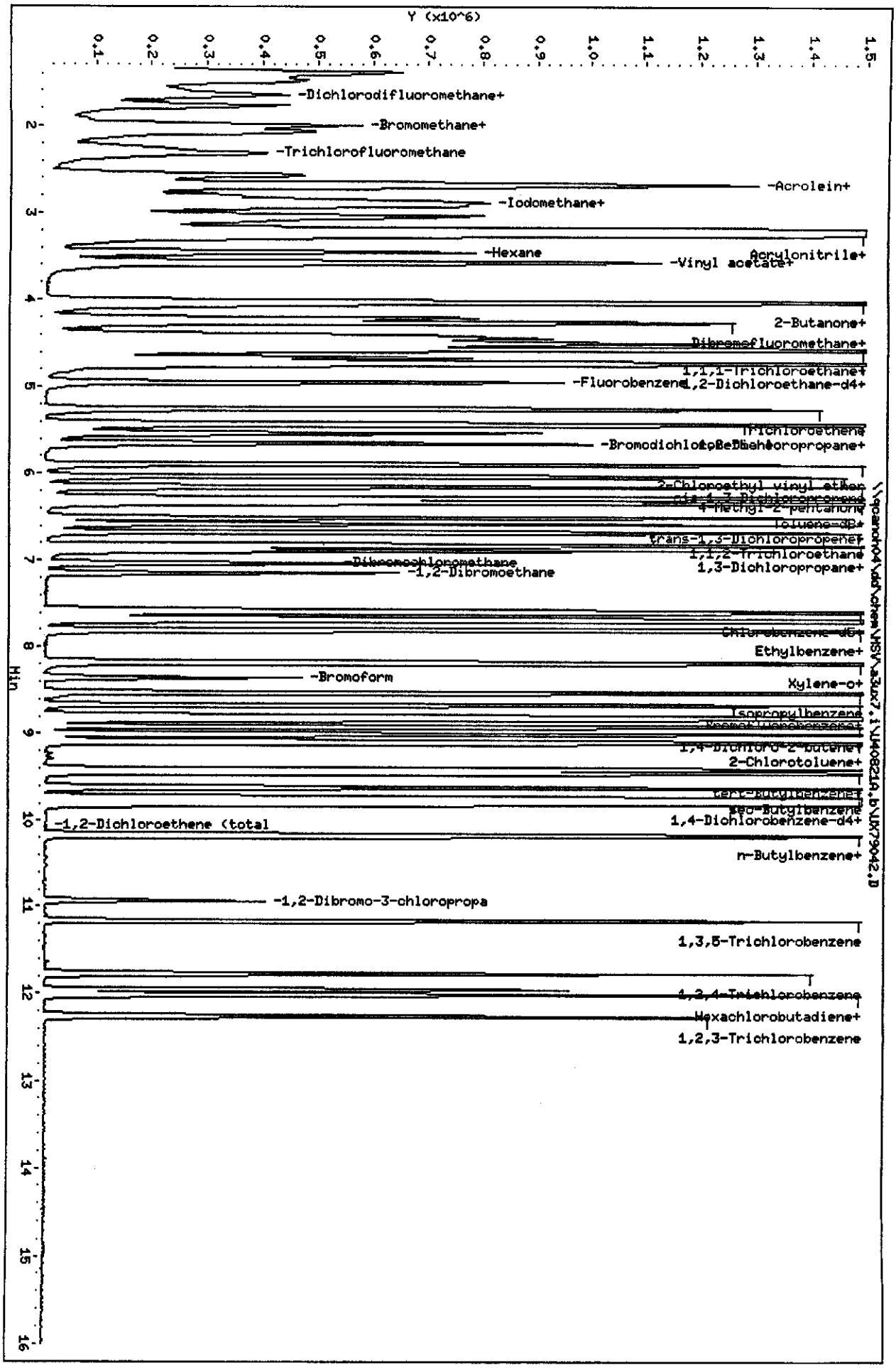
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.811	2.811	(0.568)	338517	50.0000	50.022
	20 Carbon Disulfide	76	2.870	2.870	(0.580)	963344	50.0000	48.375
	21 Methylene Chloride	84	3.036	3.036	(0.613)	313659	50.0000	47.019
	22 Acetonitrile	41	2.906	2.906	(0.587)	329946	500.000	487.17
	23 Acrylonitrile	53	3.190	3.190	(0.644)	1105861	500.000	493.73
	24 Methyl tert-butyl ether	73	3.261	3.261	(0.658)	650876	50.0000	49.114
	25 trans-1,2-Dichloroethene	96	3.249	3.249	(0.656)	289090	50.0000	50.316
	26 Hexane	86	3.462	3.462	(0.699)	41928	50.0000	43.125
	27 Vinyl acetate	43	3.592	3.592	(0.725)	484378	50.0000	48.548
	28 1,1-Dichloroethane	63	3.568	3.568	(0.720)	517771	50.0000	49.689
	29 tert-Butyl Alcohol	59	3.107	3.107	(0.627)	366898	1000.00	970.43
	30 2-Butanone	43	4.018	4.018	(0.811)	304002	100.000	98.572
M	31 1,2-Dichloroethene (total)	96				586819	100.000	102.99
	32 cis-1,2-dichloroethene	96	4.030	4.030	(0.814)	297729	50.0000	52.677
	33 2,2-Dichloropropane	77	4.042	4.042	(0.816)	323456	50.0000	49.826
	34 Bromochloromethane	128	4.219	4.219	(0.852)	126506	50.0000	49.024
	35 Chloroform	83	4.266	4.266	(0.861)	486967	50.0000	48.542
	36 Tetrahydrofuran	42	4.255	4.255	(0.859)	67901	50.0000	48.539
	37 1,1,1-Trichloroethane	97	4.444	4.444	(0.897)	392523	50.0000	48.839
	38 1,1-Dichloropropene	75	4.562	4.562	(0.921)	359709	50.0000	52.162
	39 Carbon Tetrachloride	117	4.586	4.586	(0.926)	311139	50.0000	50.072
	40 1,2-Dichloroethane	62	4.728	4.728	(0.955)	430021	50.0000	49.650
	41 Benzene	78	4.728	4.728	(0.955)	1198229	50.0000	49.838
	42 Trichloroethene	130	5.260	5.260	(1.062)	246642	50.0000	50.384
	43 1,2-Dichloropropane	63	5.438	5.438	(1.098)	294226	50.0000	49.941
	44 1,4-Dioxane	88	5.532	5.532	(1.117)	99196	2500.00	2353.2(A)
	45 Dibromomethane	93	5.532	5.532	(1.117)	169606	50.0000	50.278
	46 Bromodichloromethane	83	5.663	5.663	(1.143)	355818	50.0000	49.192
	47 2-Chloroethyl vinyl ether	63	5.899	5.899	(1.191)	327033	100.000	95.393
	48 cis-1,3-Dichloropropene	75	6.041	6.041	(1.220)	403595	50.0000	48.986
	49 4-Methyl-2-pentanone	43	6.160	6.160	(1.244)	504485	100.000	94.579
	50 Toluene	91	6.337	6.337	(0.837)	1208295	50.0000	51.034
	51 trans-1,3-Dichloropropene	75	6.515	6.515	(0.861)	373979	50.0000	50.194
	52 Ethyl Methacrylate	69	6.586	6.586	(0.870)	312101	50.0000	45.327
	53 1,1,2-Trichloroethane	97	6.680	6.680	(0.883)	244739	50.0000	48.315
	54 1,3-Dichloropropane	76	6.822	6.822	(0.902)	441685	50.0000	49.958
	55 Tetrachloroethene	164	6.834	6.834	(0.903)	164626	50.0000	50.544
	56 2-Hexanone	43	6.893	6.893	(0.911)	412341	100.000	93.648
	57 Dibromochloromethane	129	7.035	7.035	(0.930)	197695	50.0000	47.867
	58 1,2-Dibromoethane	107	7.142	7.142	(0.944)	219968	50.0000	49.274
	59 Chlorobenzene	112	7.603	7.603	(1.005)	709840	50.0000	49.835
	60 1,1,1,2-Tetrachloroethane	131	7.674	7.674	(1.014)	222529	50.0000	49.105
	61 Ethylbenzene	106	7.698	7.698	(1.017)	353051	50.0000	46.091
	62 m + p-Xylene	106	7.804	7.804	(1.031)	909985	100.000	92.888
M	63 Xylenes (total)	106				1345314	150.000	138.93
	64 Xylene-o	106	8.171	8.171	(1.080)	435329	50.0000	46.042
	65 Styrene	104	8.183	8.183	(1.081)	779914	50.0000	45.871

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79041.D
Report Date: 23-Aug-2004 09:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.361	8.361	(1.105)	89567	50.0000	44.616
67 Isopropylbenzene	105	8.526	8.526	(1.127)	851840	50.0000	45.431
68 1,1,2,2-Tetrachloroethane	83	8.786	8.786	(0.897)	320214	50.0000	45.584
69 1,4-Dichloro-2-butene	53	8.846	8.846	(0.903)	108064	50.0000	47.539
70 1,2,3-Trichloropropane	110	8.834	8.834	(0.902)	98688	50.0000	46.055
71 Bromobenzene	156	8.822	8.822	(0.901)	240112	50.0000	48.458
72 n-Propylbenzene	120	8.917	8.917	(0.911)	247123	50.0000	47.092
73 2-Chlorotoluene	126	8.999	8.999	(0.919)	233258	50.0000	51.691
74 1,3,5-Trimethylbenzene	105	9.094	9.094	(0.929)	772303	50.0000	45.915
75 4-Chlorotoluene	126	9.106	9.106	(0.930)	251532	50.0000	51.659
76 tert-Butylbenzene	119	9.402	9.402	(0.960)	574421	50.0000	46.284
77 1,2,4-Trimethylbenzene	105	9.449	9.449	(0.965)	837071	50.0000	47.025
78 sec-Butylbenzene	105	9.627	9.627	(0.983)	895164	50.0000	46.314
79 4-Isopropyltoluene	119	9.769	9.769	(0.998)	704876	50.0000	45.640
80 1,3-Dichlorobenzene	146	9.733	9.733	(0.994)	441964	50.0000	48.541
81 1,4-Dichlorobenzene	146	9.816	9.816	(1.002)	471440	50.0000	48.362
82 n-Butylbenzene	91	10.171	10.171	(1.039)	693631	50.0000	46.295
83 1,2-Dichlorobenzene	146	10.183	10.183	(1.040)	454187	50.0000	49.316
84 1,2-Dibromo-3-chloropropane	157	10.940	10.940	(1.117)	46442	50.0000	50.183
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	189221	50.0000	48.833
86 Hexachlorobutadiene	225	11.958	11.958	(1.221)	71061	50.0000	47.759
87 Naphthalene	128	12.017	12.017	(1.227)	631030	50.0000	46.114
88 1,2,3-Trichlorobenzene	180	12.265	12.265	(1.253)	177529	50.0000	47.211
98 Cyclohexane	56	4.503	4.503	(0.909)	399226	50.0000	45.994
143 Methyl Acetate	43	2.929	2.929	(0.591)	374349	100.000	95.733
144 Methylcyclohexane	83	5.438	5.438	(1.098)	309990	50.0000	45.717
141 1,3,5-Trichlorobenzene	180	11.165	11.165	(1.140)	220260	50.0000	48.970

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 21-AUG-2004 09:50
Client ID:
Sample Info: 100NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Iodomethane+
-Hexane
Acrylonitrile+
-Vinyl acetate+
2-Butanone+
Dibromofluoromethane+
1,1,1-Trichloroethane+
-Fluorobenzene
1,2-Dichloroethane-d4+
Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8+
trans-1,3-Dichloropropene+
1,1,2-Trichloroethane
1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene+
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene+
1,4-Dichloro-2-butene+
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
\\qcanoh04\dd\chem\HSV\a3ux7.i\U408210.b\UX79042.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79042.D
Report Date: 23-Aug-2004 09:46

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79042.D
Lab Smp Id: 100NG8260CAL
Inj Date : 21-AUG-2004 09:50
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 100NG8260CAL
Misc Info : U40821A,N8260UX7-3,1-8260.SUB,1754,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
Meth Date : 23-Aug-2004 09:46 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

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	4.953	4.953	(1.000)	1039936	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.568	(1.000)	721564	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.793	9.793	(1.000)	338911	50.0000	
$ 4 Dibromofluoromethane	113	4.397	4.397	(0.888)	482458	100.000	104.22
$ 5 1,2-Dichloroethane-d4	65	4.669	4.669	(0.943)	715148	100.000	103.20
$ 6 Toluene-d8	98	6.278	6.278	(0.830)	1987492	100.000	106.86
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	652546	100.000	110.04
8 Dichlorodifluoromethane	85	1.592	1.592	(0.322)	571851	100.000	103.84
9 Chloromethane	50	1.652	1.652	(0.334)	877759	100.000	104.19
10 Vinyl Chloride	62	1.770	1.770	(0.357)	867004	100.000	104.75
11 Bromomethane	94	2.007	2.007	(0.405)	711867	100.000	104.48
12 Chloroethane	64	2.078	2.078	(0.420)	718086	100.000	103.08
13 Trichlorofluoromethane	101	2.326	2.326	(0.470)	943516	100.000	110.31
15 Acrolein	56	2.575	2.575	(0.520)	1054080	1000.00	1047.4
16 Acetone	43	2.681	2.681	(0.541)	603189	200.000	201.82(A)
17 1,1-Dichloroethene	96	2.681	2.681	(0.541)	547905	100.000	107.46
18 Freon-113	151	2.693	2.693	(0.544)	342905	100.000	110.17

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79042.D
Report Date: 23-Aug-2004 09:46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.811	2.811	(0.568)	753544	100.000	108.37
	20 Carbon Disulfide	76	2.882	2.882	(0.582)	2086162	100.000	101.95
	21 Methylene Chloride	84	3.036	3.036	(0.613)	661716	100.000	102.22
	22 Acetonitrile	41	2.906	2.906	(0.587)	726638	1000.00	1044.1
	23 Acrylonitrile	53	3.202	3.202	(0.646)	2421206	1000.00	1052.0
	24 Methyl tert-butyl ether	73	3.261	3.261	(0.658)	1510552	100.000	110.93
	25 trans-1,2-Dichloroethene	96	3.249	3.249	(0.656)	637873	100.000	108.05
	26 Hexane	86	3.462	3.462	(0.699)	104639	100.000	104.68
	27 Vinyl acetate	43	3.592	3.592	(0.725)	1105684	100.000	101.08
	28 1,1-Dichloroethane	63	3.569	3.569	(0.721)	1121177	100.000	104.71
	29 tert-Butyl Alcohol	59	3.119	3.119	(0.630)	848144	2000.00	2017.6(A)
	30 2-Butanone	43	4.018	4.018	(0.811)	693313	200.000	218.78(A)
M	31 1,2-Dichloroethene (total)	96				1292175	200.000	220.71
	32 cis-1,2-dichloroethene	96	4.030	4.030	(0.814)	654302	100.000	112.66
	33 2,2-Dichloropropane	77	4.042	4.042	(0.816)	742684	100.000	111.34
	34 Bromochloromethane	128	4.219	4.219	(0.852)	278542	100.000	105.05
	35 Chloroform	83	4.267	4.267	(0.861)	1080267	100.000	104.80
	36 Tetrahydrofuran	42	4.255	4.255	(0.859)	152934	100.000	106.40
	37 1,1,1-Trichloroethane	97	4.444	4.444	(0.897)	882857	100.000	106.90
	38 1,1-Dichloropropene	75	4.562	4.562	(0.921)	805465	100.000	113.67
	39 Carbon Tetrachloride	117	4.586	4.586	(0.926)	681442	100.000	106.73
	40 1,2-Dichloroethane	62	4.728	4.728	(0.955)	933513	100.000	104.90
	41 Benzene	78	4.740	4.740	(0.957)	2643181	100.000	106.99
	42 Trichloroethene	130	5.261	5.261	(1.062)	550837	100.000	109.51
	43 1,2-Dichloropropane	63	5.438	5.438	(1.098)	650218	100.000	107.41
	44 1,4-Dioxane	88	5.545	5.545	(1.119)	235884	5000.00	5075.0(A)
	45 Dibromomethane	93	5.533	5.533	(1.117)	369525	100.000	106.61
	46 Bromodichloromethane	83	5.663	5.663	(1.143)	802515	100.000	107.98
	47 2-Chloroethyl vinyl ether	63	5.900	5.900	(1.191)	768502	200.000	203.31(A)
	48 cis-1,3-Dichloropropene	75	6.042	6.042	(1.220)	955265	100.000	112.84
	49 4-Methyl-2-pentanone	43	6.160	6.160	(1.244)	1202280	200.000	203.54(A)
	50 Toluene	91	6.337	6.337	(0.837)	2733471	100.000	112.82
	51 trans-1,3-Dichloropropene	75	6.515	6.515	(0.861)	866972	100.000	113.71
	52 Ethyl Methacrylate	69	6.586	6.586	(0.870)	798445	100.000	103.07
	53 1,1,2-Trichloroethane	97	6.681	6.681	(0.883)	539645	100.000	104.11
	54 1,3-Dichloropropane	76	6.823	6.823	(0.902)	989412	100.000	109.36
	55 Tetrachloroethene	164	6.834	6.834	(0.903)	358679	100.000	107.61
	56 2-Hexanone	43	6.894	6.894	(0.911)	992360	200.000	203.96(A)
	57 Dibromochloromethane	129	7.036	7.036	(0.930)	471759	100.000	111.62
	58 1,2-Dibromoethane	107	7.142	7.142	(0.944)	500254	100.000	109.50
	59 Chlorobenzene	112	7.604	7.604	(1.005)	1574004	100.000	107.99
	60 1,1,1,2-Tetrachloroethane	131	7.675	7.675	(1.014)	498129	100.000	107.42
	61 Ethylbenzene	106	7.698	7.698	(1.017)	828082	100.000	102.90
	62 m + p-Xylene	106	7.805	7.805	(1.031)	2077655	200.000	205.45(A)
M	63 Xylenes (total)	106				3091065	300.000	308.49
	64 Xylene-o	106	8.183	8.183	(1.081)	1013410	100.000	103.04
	65 Styrene	104	8.183	8.183	(1.081)	1835280	100.000	103.16

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79042.D
Report Date: 23-Aug-2004 09:46

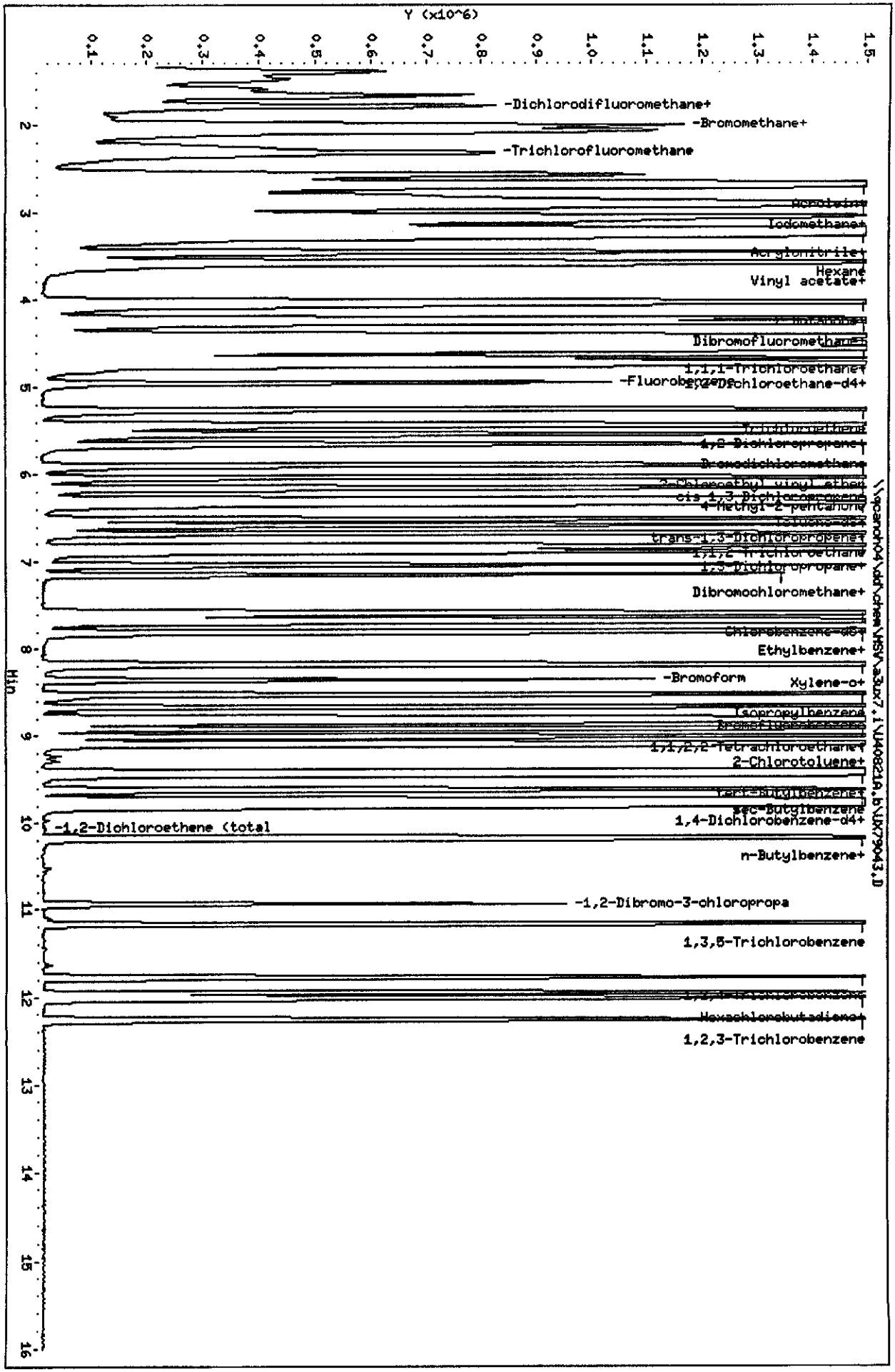
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.361	8.361	(1.105)	234595	100.000	103.52
67 Isopropylbenzene	105	8.526	8.526	(1.127)	2071013	100.000	103.33
68 1,1,2,2-Tetrachloroethane	83	8.787	8.787	(0.897)	724424	100.000	100.75
69 1,4-Dichloro-2-butene	53	8.846	8.846	(0.903)	243048	100.000	104.45
70 1,2,3-Trichloropropane	110	8.834	8.834	(0.902)	223975	100.000	102.11
71 Bromobenzene	156	8.822	8.822	(0.901)	554710	100.000	109.37
72 n-Propylbenzene	120	8.917	8.917	(0.911)	567500	100.000	102.37
73 2-Chlorotoluene	126	9.012	9.012	(0.920)	530884	100.000	114.93
74 1,3,5-Trimethylbenzene	105	9.094	9.094	(0.929)	1849956	100.000	102.77
75 4-Chlorotoluene	126	9.106	9.106	(0.930)	554472	100.000	111.25
76 tert-Butylbenzene	119	9.414	9.414	(0.961)	1380964	100.000	102.78
77 1,2,4-Trimethylbenzene	105	9.449	9.449	(0.965)	1934692	100.000	102.25
78 sec-Butylbenzene	105	9.627	9.627	(0.983)	2126908	100.000	102.89
79 4-Isopropyltoluene	119	9.769	9.769	(0.998)	1705233	100.000	103.15
80 1,3-Dichlorobenzene	146	9.733	9.733	(0.994)	996239	100.000	106.89
81 1,4-Dichlorobenzene	146	9.816	9.816	(1.002)	1070833	100.000	107.32
82 n-Butylbenzene	91	10.171	10.171	(1.039)	1666150	100.000	102.72
83 1,2-Dichlorobenzene	146	10.183	10.183	(1.040)	1043653	100.000	110.71
84 1,2-Dibromo-3-chloropropane	157	10.940	10.940	(1.117)	101944	100.000	107.61
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	446548	100.000	112.58
86 Hexachlorobutadiene	225	11.958	11.958	(1.221)	160957	100.000	105.68
87 Naphthalene	128	12.017	12.017	(1.227)	1618107	100.000	102.74
88 1,2,3-Trichlorobenzene	180	12.266	12.266	(1.253)	414905	100.000	102.28
98 Cyclohexane	56	4.503	4.503	(0.909)	952374	100.000	102.81
143 Methyl Acetate	43	2.930	2.930	(0.592)	820906	200.000	204.31
144 Methylcyclohexane	83	5.438	5.438	(1.098)	744552	100.000	103.24
141 1,3,5-Trichlorobenzene	180	11.165	11.165	(1.140)	506896	100.000	110.10

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U408021A.b\UX79043.D
Date : 21-AUG-2004 10:14
Client ID:
Sample Info: 200WC8260CAL
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79043.D
Report Date: 23-Aug-2004 09:46

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79043.D
Lab Smp Id: 200NG8260CAL
Inj Date : 21-AUG-2004 10:14
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 200NG8260CAL
Misc Info : U40821A,N8260UX7-3,1-8260.SUB,1754,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
Meth Date : 23-Aug-2004 09:46 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04

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	4.952	4.953	(1.000)	1131101	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.568	(1.000)	791510	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.793	(1.000)	359585	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.397	(0.888)	1048717	200.000	208.29(A)
$ 5 1,2-Dichloroethane-d4	65	4.668	4.669	(0.943)	1571489	200.000	208.49(A)
$ 6 Toluene-d8	98	6.278	6.278	(0.830)	4527758	200.000	221.93(A)
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	1519496	200.000	233.58(A)
8 Dichlorodifluoromethane	85	1.592	1.592	(0.322)	1058461	200.000	176.70
9 Chloromethane	50	1.663	1.652	(0.336)	1677260	200.000	171.00
10 Vinyl Chloride	62	1.781	1.770	(0.360)	1667330	200.000	175.63
11 Bromomethane	94	2.006	2.007	(0.405)	1557294	200.000	225.90(A)
12 Chloroethane	64	2.077	2.078	(0.419)	1758771	200.000	229.45(A)
13 Trichlorofluoromethane	101	2.326	2.326	(0.470)	1966877	200.000	211.43(A)
15 Acrolein	56	2.574	2.575	(0.520)	2414103	2000.00	2205.4(A)
16 Acetone	43	2.681	2.681	(0.541)	1346081	400.000	358.38(A)
17 1,1-Dichloroethene	96	2.681	2.681	(0.541)	1115532	200.000	201.15(A)
18 Freon-113	151	2.692	2.693	(0.544)	701840	200.000	207.31(A)
19 Iodomethane	142	2.811	2.811	(0.568)	1546418	200.000	204.46(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79043.D
Report Date: 23-Aug-2004 09:46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	20 Carbon Disulfide	76	2.894	2.882	(0.584)	4276310	200.000	192.14
	21 Methylene Chloride	84	3.047	3.036	(0.615)	1327441	200.000	157.09
	22 Acetonitrile	41	2.905	2.906	(0.587)	1536792	2000.00	2030.3(A)
	23 Acrylonitrile	53	3.201	3.202	(0.646)	5610402	2000.00	2241.3(A)
	24 Methyl tert-butyl ether	73	3.260	3.261	(0.658)	3331547	200.000	224.94(A)
	25 trans-1,2-Dichloroethene	96	3.248	3.249	(0.656)	1302017	200.000	202.77(A)
	26 Hexane	86	3.461	3.462	(0.699)	202403	200.000	224.84(A)
	27 Vinyl acetate	43	3.592	3.592	(0.725)	2662905	200.000	247.37(A)
	28 1,1-Dichloroethane	63	3.568	3.569	(0.720)	2325875	200.000	199.72
	29 tert-Butyl Alcohol	59	3.107	3.119	(0.627)	2174817	4000.00	5204.1(A)
	30 2-Butanone	43	4.018	4.018	(0.811)	1589044	400.000	461.03(A)
M	31 1,2-Dichloroethene (total)	96				2637999	400.000	414.27
	32 cis-1,2-dichloroethene	96	4.029	4.030	(0.814)	1335982	200.000	211.50(A)
	33 2,2-Dichloropropane	77	4.041	4.042	(0.816)	1548108	200.000	213.38(A)
	34 Bromochloromethane	128	4.219	4.219	(0.852)	557390	200.000	193.27
	35 Chloroform	83	4.278	4.267	(0.864)	2194582	200.000	195.74
	36 Tetrahydrofuran	42	4.254	4.255	(0.859)	364387	200.000	233.07(A)
	37 1,1,1-Trichloroethane	97	4.444	4.444	(0.897)	1838237	200.000	204.65(A)
	38 1,1-Dichloropropene	75	4.562	4.562	(0.921)	1658086	200.000	215.14(A)
	39 Carbon Tetrachloride	117	4.586	4.586	(0.926)	1391509	200.000	200.37(A)
	40 1,2-Dichloroethane	62	4.739	4.728	(0.957)	1940315	200.000	200.45(A)
	41 Benzene	78	4.739	4.740	(0.957)	5395085	200.000	200.79(A)
	42 Trichloroethene	130	5.260	5.261	(1.062)	1116966	200.000	204.16(A)
	43 1,2-Dichloropropane	63	5.438	5.438	(1.098)	1332165	200.000	202.32(A)
	44 1,4-Dioxane	88	5.544	5.545	(1.119)	569906	10000.0	12550(A)
	45 Dibromomethane	93	5.532	5.533	(1.117)	757962	200.000	201.05(A)
	46 Bromodichloromethane	83	5.662	5.663	(1.143)	1621283	200.000	200.56(A)
	47 2-Chloroethyl vinyl ether	63	5.899	5.900	(1.191)	1802567	400.000	507.39(A)
	48 cis-1,3-Dichloropropene	75	6.041	6.042	(1.220)	2012265	200.000	218.54(A)
	49 4-Methyl-2-pentanone	43	6.159	6.160	(1.244)	2859682	400.000	509.44(A)
	50 Toluene	91	6.337	6.337	(0.837)	5646819	200.000	212.47(A)
	51 trans-1,3-Dichloropropene	75	6.514	6.515	(0.861)	1874589	200.000	224.14(A)
	52 Ethyl Methacrylate	69	6.585	6.586	(0.870)	1848169	200.000	267.13(A)
	53 1,1,2-Trichloroethane	97	6.680	6.681	(0.883)	1124350	200.000	197.74
	54 1,3-Dichloropropane	76	6.822	6.823	(0.901)	2069836	200.000	208.56(A)
	55 Tetrachloroethene	164	6.834	6.834	(0.903)	725588	200.000	198.46
	56 2-Hexanone	43	6.893	6.894	(0.911)	2349194	400.000	516.87(A)
	57 Dibromochloromethane	129	7.035	7.036	(0.930)	999243	200.000	215.54(A)
	58 1,2-Dibromoethane	107	7.141	7.142	(0.944)	1062871	200.000	212.10(A)
	59 Chlorobenzene	112	7.603	7.604	(1.005)	3264913	200.000	204.20(A)
	60 1,1,1,2-Tetrachloroethane	131	7.674	7.675	(1.014)	1027563	200.000	202.00(A)
	61 Ethylbenzene	106	7.698	7.698	(1.017)	1731921	200.000	227.31(A)
	62 m + p-Xylene	106	7.804	7.805	(1.031)	4258757	400.000	443.00(A)
M	63 Xylenes (total)	106				6345762	600.000	666.29
	64 Xylene-o	106	8.183	8.183	(1.081)	2087004	200.000	223.29(A)
	65 Styrene	104	8.183	8.183	(1.081)	3778950	200.000	229.55(A)
	66 Bromoform	173	8.360	8.361	(1.105)	542169	200.000	253.63(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79043.D
Report Date: 23-Aug-2004 09:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
67 Isopropylbenzene	105	8.526	8.526	(1.127)	4390436	200.000	235.27(A)
68 1,1,2,2-Tetrachloroethane	83	8.798	8.787	(0.898)	1579673	200.000	207.06(A)
69 1,4-Dichloro-2-butene	53	8.845	8.846	(0.903)	559145	200.000	226.48(A)
70 1,2,3-Trichloropropane	110	8.834	8.834	(0.902)	492624	200.000	211.68(A)
71 Bromobenzene	156	8.822	8.822	(0.901)	1167870	200.000	217.02(A)
72 n-Propylbenzene	120	8.916	8.917	(0.911)	1165686	200.000	234.04(A)
73 2-Chlorotoluene	126	9.011	9.012	(0.920)	1094538	200.000	223.33(A)
74 1,3,5-Trimethylbenzene	105	9.094	9.094	(0.929)	3866971	200.000	235.97(A)
75 4-Chlorotoluene	126	9.106	9.106	(0.930)	1146290	200.000	216.77(A)
76 tert-Butylbenzene	119	9.413	9.414	(0.961)	2935340	200.000	241.37(A)
77 1,2,4-Trimethylbenzene	105	9.449	9.449	(0.965)	4033903	200.000	235.28(A)
78 sec-Butylbenzene	105	9.626	9.627	(0.983)	4419299	200.000	234.27(A)
79 4-Isopropyltoluene	119	9.768	9.769	(0.998)	3509911	200.000	237.56(A)
80 1,3-Dichlorobenzene	146	9.733	9.733	(0.994)	2025365	200.000	204.82(A)
81 1,4-Dichlorobenzene	146	9.816	9.816	(1.002)	2112057	200.000	199.50
82 n-Butylbenzene	91	10.171	10.171	(1.039)	3557808	200.000	240.13(A)
83 1,2-Dichlorobenzene	146	10.183	10.183	(1.040)	2047060	200.000	204.66(A)
84 1,2-Dibromo-3-chloropropane	157	10.940	10.940	(1.117)	249619	200.000	248.36(A)
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	972341	200.000	231.05(A)
86 Hexachlorobutadiene	225	11.957	11.958	(1.221)	326931	200.000	202.31(A)
87 Naphthalene	128	12.017	12.017	(1.227)	3848461	200.000	284.69(A)
88 1,2,3-Trichlorobenzene	180	12.265	12.266	(1.253)	892987	200.000	238.39(A)
98 Cyclohexane	56	4.503	4.503	(0.909)	2015573	200.000	232.85(A)
143 Methyl Acetate	43	2.929	2.930	(0.591)	1899490	400.000	434.65
144 Methylcyclohexane	83	5.438	5.438	(1.098)	1545527	200.000	233.54
141 1,3,5-Trichlorobenzene	180	11.165	11.165	(1.140)	1051436	200.000	215.24

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79044.D
Report Date: 23-Aug-2004 09:47

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
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
Misc Info: U40821A,N8260UX7-3,1-8260.SUB,1754,3

Client SDG: SDGa00497
Fraction: VOA

Operator: 1754
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	9.600	96.00	45-155
	42 Trichloroethene	10.000	9.286	92.86	45-155
	59 Chlorobenzene	10.000	9.172	91.72	45-155
	50 Toluene	10.000	9.350	93.50	45-155
	41 Benzene	10.000	8.892	88.92	45-155
	16 Acetone	10.000	6.220	62.20	45-155
	20 Carbon Disulfide	10.000	8.896	88.96	45-155
	9 Chloromethane	10.000	9.067	90.67	45-155
	11 Bromomethane	10.000	8.182	81.82	45-155
	10 Vinyl Chloride	10.000	8.330	83.30	45-155
	12 Chloroethane	10.000	8.562	85.62	45-155
	21 Methylene Chloride	10.000	8.802	88.02	45-155
	28 1,1-Dichloroethane	10.000	8.982	89.82	45-155
M	31 1,2-Dichloroethene	20.000	18.517	92.59	45-155
	35 Chloroform	10.000	8.854	88.54	45-155
	40 1,2-Dichloroethane	10.000	8.933	89.33	45-155
	30 2-Butanone	10.000	7.365	73.65	45-155
	37 1,1,1-Trichloroeth	10.000	8.992	89.92	45-155
	39 Carbon Tetrachlori	10.000	8.806	88.06	45-155
	46 Bromodichlorometha	10.000	8.908	89.08	45-155
	43 1,2-Dichloropropan	10.000	8.879	88.79	45-155
	48 cis-1,3-Dichloropr	10.000	9.095	90.95	45-155
	57 Dibromochlorometha	10.000	9.029	90.29	45-155
	53 1,1,2-Trichloroeth	10.000	8.730	87.30	45-155
	51 trans-1,3-Dichloro	10.000	8.973	89.73	45-155
	66 Bromoform	10.000	9.034	90.34	45-155
	49 4-Methyl-2-pentano	10.000	8.767	87.67	45-155
	56 2-Hexanone	10.000	7.328	73.28	45-155
	55 Tetrachloroethene	10.000	8.821	88.21	45-155
	68 1,1,2,2-Tetrachlor	10.000	8.994	89.94	45-155
	61 Ethylbenzene	10.000	8.608	86.08	45-155
	65 Styrene	10.000	8.298	82.98	45-155
	62 m + p-Xylene	20.000	16.857	84.28	45-155

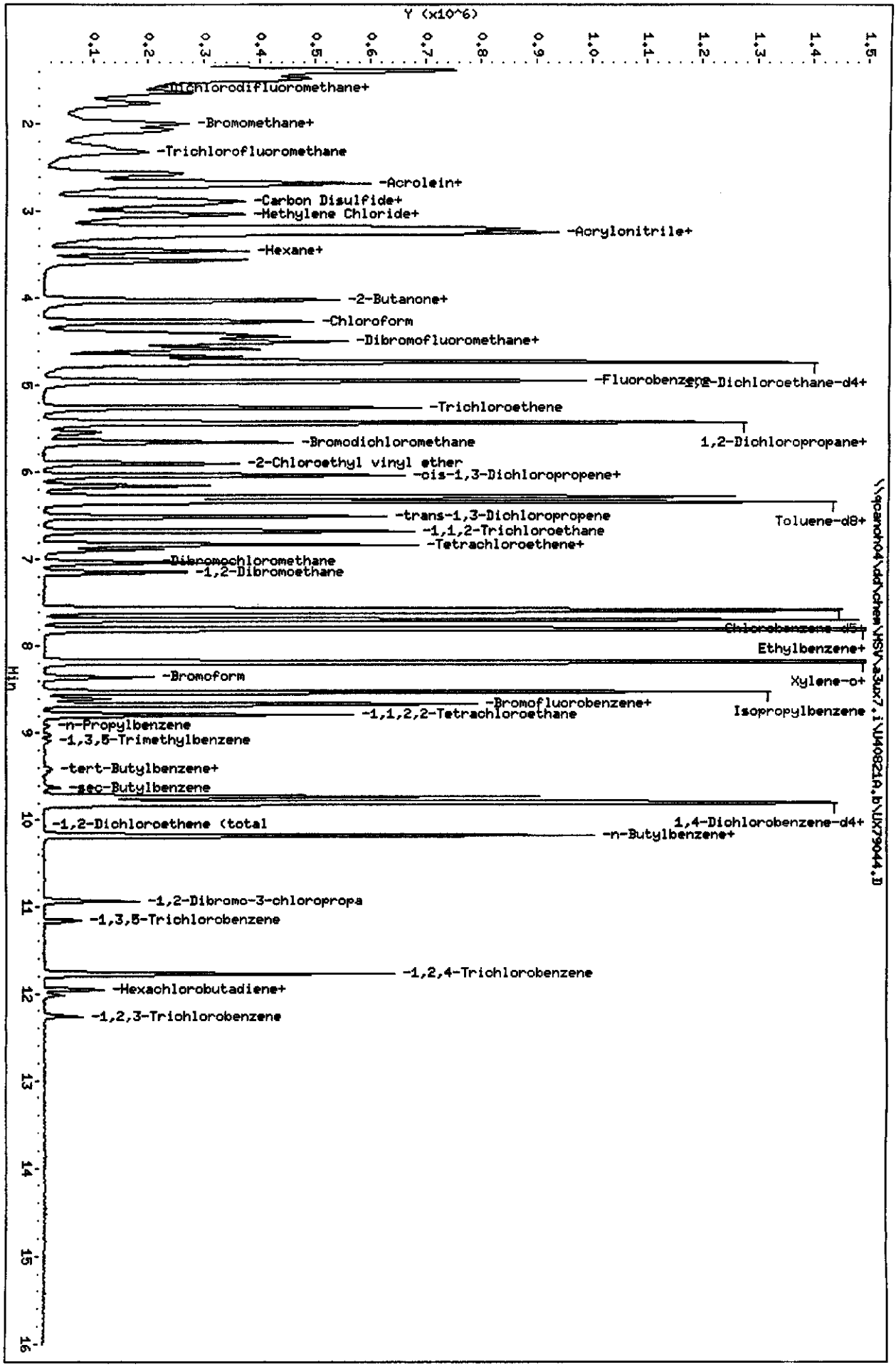
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79044.D
Report Date: 23-Aug-2004 09:47

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
M 63 Xylenes (total)	30.000	25.414	84.71	45-155
64 Xylene-o	10.000	8.557	85.57	45-155
32 cis-1,2-dichloroet	10.000	9.190	91.90	45-155
25 trans-1,2-Dichloro	10.000	9.328	93.28	45-155
8 Dichlorodifluorome	10.000	10.578	105.78	45-155
13 Trichlorofluoromet	10.000	9.541	95.41	45-155
18 Freon-113	10.000	10.957	109.57	45-155
24 Methyl tert-butyl	10.000	9.702	97.02	45-155
58 1,2-Dibromoethane	10.000	9.101	91.01	45-155
67 Isopropylbenzene	10.000	9.029	90.29	45-155
80 1,3-Dichlorobenzen	10.000	8.747	87.47	45-155
81 1,4-Dichlorobenzen	10.000	8.855	88.55	45-155
83 1,2-Dichlorobenzen	10.000	8.884	88.84	45-155
84 1,2-Dibromo-3-chlo	10.000	9.319	93.19	45-155
85 1,2,4-Trichloroben	10.000	9.965	99.65	45-155
98 Cyclohexane	10.000	8.444	84.44	45-155
143 Methyl Acetate	10.000	9.388	93.88	45-155
144 Methylcyclohexane	10.000	8.162	81.62	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.234	92.34	73-122
$ 5 1,2-Dichloroethane	10.000	9.265	92.65	61-128
$ 6 Toluene-d8	10.000	9.788	97.88	76-110
$ 7 Bromofluorobenzene	10.000	10.139	101.39	74-116

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40821A.b\UX79044.D
Date : 21-AUG-2004 10:37
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79044.D
Report Date: 23-Aug-2004 09:47

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79044.D
Lab Smp Id: ICV
Inj Date : 21-AUG-2004 10:37
Operator : 1754 Inst ID: a3ux7.i
Smp Info : ICV
Misc Info : U40821A,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
Meth Date : 23-Aug-2004 09:46 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.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: CANPMSV03

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	4.951	4.953	(1.000)	1111889	50.0000	
* 2 Chlorobenzene-d5	117	7.566	7.568	(1.000)	759189	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.793	(1.000)	336726	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.397	(0.888)	228525	46.1725	9.234
$ 5 1,2-Dichloroethane-d4	65	4.667	4.669	(0.943)	343256	46.3263	9.265
$ 6 Toluene-d8	98	6.277	6.278	(0.830)	957656	48.9390	9.788
$ 7 Bromofluorobenzene	95	8.667	8.668	(1.145)	316318	50.6954	10.139
8 Dichlorodifluoromethane	85	1.591	1.592	(0.321)	311423	52.8891	10.578
9 Chloromethane	50	1.650	1.652	(0.333)	430384	45.3352	9.067
10 Vinyl Chloride	62	1.768	1.770	(0.357)	382627	41.6483	8.330
11 Bromomethane	94	1.993	2.007	(0.403)	275546	40.9098	8.182
12 Chloroethane	64	2.076	2.078	(0.419)	295178	42.8094	8.562
13 Trichlorofluoromethane	101	2.324	2.326	(0.470)	436241	47.7035	9.541
15 Acrolein	56	2.573	2.575	(0.520)	544182	505.725	101.14
16 Acetone	43	2.668	2.681	(0.539)	112588	31.1005	6.220
17 1,1-Dichloroethene	96	2.679	2.681	(0.541)	261682	48.0019	9.600
18 Freon-113	151	2.691	2.693	(0.544)	182318	54.7845	10.957
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79044.D
Report Date: 23-Aug-2004 09:47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.881	2.882	(0.582)	973102	44.4792	8.896
	21 Methylene Chloride	84	3.046	3.036	(0.615)	324226	44.0094	8.802
	22 Acetonitrile	41	2.916	2.906	(0.589)	394906	530.742	106.15
	23 Acrylonitrile	53	3.200	3.202	(0.646)	1168029	474.676	94.935
	24 Methyl tert-butyl ether	73	3.259	3.261	(0.658)	706237	48.5077	9.702
	25 trans-1,2-Dichloroethene	96	3.247	3.249	(0.656)	294388	46.6388	9.328
	26 Hexane	86	3.460	3.462	(0.699)	47656	44.5171	8.903
	27 Vinyl acetate	43	3.650	3.592	(0.737)	1287	2.03244	0.4065
	28 1,1-Dichloroethane	63	3.567	3.569	(0.720)	514119	44.9097	8.982
	29 tert-Butyl Alcohol	59	3.117	3.119	(0.630)	127559	339.460	67.892
	30 2-Butanone	43	4.016	4.018	(0.811)	124765	36.8233	7.365
M	31 1,2-Dichloroethene (total)	96				579694	92.5864	18.517
	32 cis-1,2-dichloroethene	96	4.028	4.030	(0.814)	285306	45.9476	9.190
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.277	4.267	(0.864)	487905	44.2696	8.854
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.442	4.444	(0.897)	396969	44.9583	8.992
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.584	4.586	(0.926)	300570	44.0293	8.806
	40 1,2-Dichloroethane	62	4.738	4.728	(0.957)	425013	44.6669	8.933
	41 Benzene	78	4.738	4.740	(0.957)	1174283	44.4581	8.892
	42 Trichloroethene	130	5.259	5.261	(1.062)	249716	46.4328	9.286
	43 1,2-Dichloropropane	63	5.436	5.438	(1.098)	287344	44.3946	8.879
	44 1,4-Dioxane	88	5.543	5.545	(1.119)	121749	2607.13	521.42(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.661	5.663	(1.143)	353935	44.5392	8.908
	47 2-Chloroethyl vinyl ether	63	5.898	5.900	(1.191)	169872	48.8342	9.767
	48 cis-1,3-Dichloropropene	75	6.040	6.042	(1.220)	411611	45.4750	9.095
	49 4-Methyl-2-pentanone	43	6.158	6.160	(1.244)	234312	43.8372	8.767
	50 Toluene	91	6.336	6.337	(0.837)	1191735	46.7504	9.350
	51 trans-1,3-Dichloropropene	75	6.513	6.515	(0.861)	359906	44.8652	8.973
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.679	6.681	(0.883)	238069	43.6512	8.730
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.833	6.834	(0.903)	154672	44.1066	8.821
	56 2-Hexanone	43	6.892	6.894	(0.911)	151238	36.6406	7.328
	57 Dibromochloromethane	129	7.034	7.036	(0.930)	200748	45.1449	9.029
	58 1,2-Dibromoethane	107	7.152	7.142	(0.945)	218731	45.5074	9.101
	59 Chlorobenzene	112	7.602	7.604	(1.005)	703347	45.8626	9.172
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.696	7.698	(1.017)	353113	43.0377	8.608
	62 m + p-Xylene	106	7.803	7.805	(1.031)	883913	84.2874	16,857
M	63 Xylenes (total)	106				1317298	127.072	25.414
	64 Xylene-o	106	8.182	8.183	(1.081)	433385	42.7843	8.557
	65 Styrene	104	8.182	8.183	(1.081)	753301	41.4908	8.298
	66 Bromoform	173	8.359	8.361	(1.105)	97796	45.1687	9.034

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79044.D
Report Date: 23-Aug-2004 09:47

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.525	8.526	(1.127)	910873	45.1458	9.029
68 1,1,2,2-Tetrachloroethane	83	8.797	8.787	(0.898)	321268	44.9692	8.994
69 1,4-Dichloro-2-butene	53	8.608	8.846	(0.879)	2929	1.26695	0.2534
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	8.927	8.917	(0.912)	1721	4.14860	0.8297
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	9.093	9.094	(0.929)	6622	3.96020	0.7920
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	9.412	9.414	(0.961)	8801	4.49918	0.8998
77 1,2,4-Trimethylbenzene	105	9.448	9.449	(0.965)	7014	3.97261	0.7945
78 sec-Butylbenzene	105	9.625	9.627	(0.983)	23638	4.96808	0.9936
79 4-Isopropyltoluene	119	9.767	9.769	(0.998)	20202	5.36991	1.074
80 1,3-Dichlorobenzene	146	9.732	9.733	(0.994)	404979	43.7344	8.747
81 1,4-Dichlorobenzene	146	9.815	9.816	(1.002)	438939	44.2748	8.855
82 n-Butylbenzene	91	10.170	10.171	(1.039)	43981	6.33503	1.267
83 1,2-Dichlorobenzene	146	10.181	10.183	(1.040)	416050	44.4195	8.884
84 1,2-Dibromo-3-chloropropane	157	10.939	10.940	(1.117)	43855	46.5949	9.319
85 1,2,4-Trichlorobenzene	180	11.779	11.780	(1.203)	196358	49.8275	9.965
86 Hexachlorobutadiene	225	11.956	11.958	(1.221)	18332	12.1144	2.423
87 Naphthalene	128	12.015	12.017	(1.227)	38204	7.49179	1.498
88 1,2,3-Trichlorobenzene	180	12.264	12.266	(1.253)	23900	9.21439	1.843
98 Cyclohexane	56	4.502	4.503	(0.909)	399717	42.2196	8.444
143 Methyl Acetate	43	2.928	2.930	(0.591)	201655	46.9405	9.388
144 Methylcyclohexane	83	5.436	5.438	(1.098)	300845	40.8129	8.162
141 1,3,5-Trichlorobenzene	180	11.163	11.165	(1.140)	19683	4.30286	0.8606

QC Flag Legend

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

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\N8260UX7-3.m
Start Cal Date: 20-APR-2004 14:54
End Cal Date : 21-AUG-2004 10:14
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
15-JUL-2004 12:34	3-IX	UX77660.D
21-AUG-2004 08:18	1-8260	UX79038.D
Cal Level: 2 , Cal Amount: 10.000		
15-JUL-2004 12:58	3-IX	UX77661.D
21-AUG-2004 08:41	1-8260	UX79039.D
Cal Level: 3 , Cal Amount: 25.000		
15-JUL-2004 13:21	3-IX	UX77662.D
21-AUG-2004 09:04	1-8260	UX79040.D
Cal Level: 4 , Cal Amount: 50.000		
15-JUL-2004 14:09	3-IX	UX77663.D
21-AUG-2004 09:27	1-8260	UX79041.D
Cal Level: 5 , Cal Amount: 100.00		
15-JUL-2004 14:33	3-IX	UX77664.D
21-AUG-2004 09:50	1-8260	UX79042.D
Cal Level: 6 , Cal Amount: 200.00		
15-JUL-2004 14:56	3-IX	UX77665.D
21-AUG-2004 10:14	1-8260	UX79043.D

Continuing Calibration

23-AUG-2004 09:11	1-8260	UX79098.D
23-AUG-2004 08:48	3-IX	UX79097.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b/UX79098.D
Report Date: 08/23/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX79098.D
Analysis Type: WATER

Injection Date: 23-AUG-2004 09:11
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	49.0607	1.9	50.0
0 Bromodichloromethane	50.0000	49.1791	1.6	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	47.6931	4.6	50.0
0 Bromoform	50.0000	57.6035	15.2	50.0
0 Styrene	50.0000	46.5037	7.0	50.0
0 Xylene-o	50.0000	46.6556	6.7	50.0
0 Xylenes (total)	150.0000	137.8742	8.1	50.0
0 2-Hexanone	100.0000	88.5536	11.4	50.0
0 Chloromethane	50.0000	46.3238	7.4	50.0
0 Vinyl Chloride	50.0000	45.3878	9.2	20.0
0 Bromomethane	50.0000	41.4694	17.1	50.0
0 Chloroethane	50.0000	44.4611	11.1	50.0
0 1,1-Dichloroethane	50.0000	47.9821	4.0	50.0
0 Tetrachloroethene	50.0000	48.5350	2.9	50.0
0 Acetone	100.0000	89.9184	10.1	50.0
0 1,1-Dichloroethene	50.0000	47.5024	5.0	20.0
0 m + p-Xylene	100.0000	91.2186	8.8	50.0
0 Ethylbenzene	50.0000	46.5716	6.9	20.0
0 Carbon Disulfide	50.0000	44.5864	10.8	50.0
0 Methylene Chloride	50.0000	50.6767	1.4	50.0
0 1,2-Dichloropropane	50.0000	48.4941	3.0	20.0
0 1,1,2-Trichloroethane	50.0000	47.7661	4.5	50.0
0 Dibromochloromethane	50.0000	52.4146	4.8	50.0
0 trans-1,2-Dichloroethene	50.0000	48.1815	3.6	50.0
0 trans-1,3-Dichloropropene	50.0000	47.8729	4.3	50.0
0 cis-1,3-Dichloropropene	50.0000	49.2945	1.4	50.0
0 Chloroform	50.0000	47.5931	4.8	20.0
0 Toluene	50.0000	49.9355	0.1	20.0
0 2-Butanone	100.0000	96.3648	3.6	50.0
0 1,2-Dichloroethene (total)	100.0000	99.5872	0.4	50.0
0 cis-1,2-dichloroethene	50.0000	51.4058	2.8	50.0
0 4-Methyl-2-pentanone	100.0000	93.8650	6.1	50.0
0 1,2-Dichloroethane	50.0000	46.9703	6.1	50.0
0 Trichloroethene	50.0000	50.8225	1.6	50.0
0 1,1,1-Trichloroethane	50.0000	48.3972	3.2	50.0
0 Carbon Tetrachloride	50.0000	46.4400	7.1	50.0
0 Benzene	50.0000	48.4194	3.2	50.0
38 Dichlorodifluoromethane	50.0000	50.6183	1.2	50.0
39 Trichlorofluoromethane	50.0000	45.8074	8.4	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b/UX79098.D
Report Date: 08/23/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX79098.D
Analysis Type: WATER

Injection Date: 23-AUG-2004 09:11
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	422.7493	15.5	50.0
41 Acrylonitrile	500.0000	435.0937	13.0	50.0
42 Vinyl acetate	50.0000	45.3604	9.3	50.0
43 2-Chloroethyl vinyl ether	100.0000	92.2291	7.8	50.0
47 Freon-113	50.0000	49.2636	1.5	50.0
48 1,3-Dichlorobenzene	50.0000	49.3103	1.4	50.0
49 1,4-Dichlorobenzene	50.0000	49.4733	1.1	50.0
50 1,2-Dichlorobenzene	50.0000	50.4155	0.8	50.0
51 Acetonitrile	500.0000	436.3146	12.7	50.0
52 Iodomethane	50.0000	50.0324	0.1	50.0
59 1,4-Dioxane	2500.0000	2382.9167	4.7	50.0
60 Dibromomethane	50.0000	47.6771	4.6	50.0
62 Ethyl Methacrylate	50.0000	47.7444	4.5	50.0
63 1,2-Dibromoethane	50.0000	51.1360	2.3	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	49.9470	0.1	50.0
65 1,2,3-Trichloropropane	50.0000	47.7023	4.6	50.0
66 1,4-Dichloro-2-butene	50.0000	43.6716	12.7	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	57.0778	14.2	50.0
82 Methyl tert-butyl ether	50.0000	53.0492	6.1	50.0
84 Tetrahydrofuran	50.0000	47.9978	4.0	50.0
98 2,2-Dichloropropane	50.0000	49.0329	1.9	50.0
99 1,1-Dichloropropene	50.0000	51.0552	2.1	50.0
100 1,3-Dichloropropane	50.0000	49.5085	1.0	50.0
102 Bromobenzene	50.0000	52.4735	4.9	50.0
103 2-Chlorotoluene	50.0000	53.7755	7.6	50.0
104 n-Propylbenzene	50.0000	48.0514	3.9	50.0
105 4-Chlorotoluene	50.0000	53.5212	7.0	50.0
106 1,3,5-Trimethylbenzene	50.0000	48.3759	3.2	50.0
107 tert-Butylbenzene	50.0000	49.8529	0.3	50.0
108 1,2,4-Trimethylbenzene	50.0000	47.4835	5.0	50.0
109 sec-Butylbenzene	50.0000	47.2339	5.5	50.0
110 4-Isopropyltoluene	50.0000	46.9618	6.1	50.0
111 n-Butylbenzene	50.0000	46.5993	6.8	50.0
112 1,2,4-Trichlorobenzene	50.0000	52.1374	4.3	50.0
113 Naphthalene	50.0000	50.8432	1.7	50.0
114 Hexachlorobutadiene	50.0000	45.1101	9.8	50.0
115 1,2,3-Trichlorobenzene	50.0000	47.3630	5.3	50.0
124 tert-Butyl Alcohol	1000.0000	893.5887	10.6	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b/UX79098.D
Report Date: 08/23/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX79098.D
Analysis Type: WATER

Injection Date: 23-AUG-2004 09:11
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	43.8258	12.3	20.0
127 Cyclohexane	50.0000	47.6135	4.8	50.0
128 Isopropylbenzene	50.0000	47.8775	4.2	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	47.0995	5.8	50.0
141 1,3,5-Trichlorobenzene	50.0000	50.2727	0.5	50.0
143 Methyl Acetate	100.0000	89.5890	10.4	50.0
144 Methylcyclohexane	50.0000	46.4422	7.1	50.0
22 Toluene-d8	50.0000	48.5232	3.0	50.0
32 Bromofluorobenzene	50.0000	49.0833	1.8	50.0
47 1,2-Dichloroethane-d4	50.0000	44.8095	10.4	50.0
131 Dibromofluoromethane	50.0000	45.4751	9.0	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79098.D
Report Date: 23-Aug-2004 14:07

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX79098.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\N8260UX7-3.m

Injection Date: 23-AUG-2004 09:11
Init. Cal. Date(s): 20-APR-2004 21-AUG-2004
Init. Cal. Times: 14:54 10:14
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
$	4 Dibromofluoromethane	0.22257	0.20242	0.010	-9.0	50.0
$	5 1,2-Dichloroethane-d4	0.33320	0.29861	0.010	-10.4	50.0
$	6 Toluene-d8	1.28877	1.25070	0.010	-3.0	50.0
$	7 Bromofluorobenzene	0.41094	0.40340	0.010	-1.8	50.0
	8 Dichlorodifluoromethane	0.26478	0.26806	0.010	1.2	50.0
	9 Chloromethane	50.00000	46.32382	0.100	7.4	50.0
	10 Vinyl Chloride	50.00000	45.38775	0.010	9.2	20.0
	11 Bromomethane	50.00000	41.46939	0.010	17.1	50.0
	12 Chloroethane	50.00000	44.46108	0.010	11.1	50.0
	13 Trichlorofluoromethane	0.41123	0.37675	0.010	-8.4	50.0
	15 Acrolein	0.04839	0.04091	0.010	-15.5	50.0
	16 Acetone	100	89.91836	0.010	10.1	50.0
	17 1,1-Dichloroethene	0.24515	0.23290	0.010	-5.0	20.0
	18 Freon-113	0.14965	0.14745	0.010	-1.5	50.0
	19 Iodomethane	0.33433	0.33455	0.010	0.1	50.0
	20 Carbon Disulfide	0.98381	0.87729	0.010	-10.8	50.0
	21 Methylene Chloride	50.00000	50.67672	0.010	-1.4	50.0
	22 Acetonitrile	0.03346	0.02920	0.010	-12.7	50.0
	23 Acrylonitrile	0.11065	0.09629	0.010	-13.0	50.0
	24 Methyl tert-butyl ether	0.65471	0.69464	0.010	6.1	50.0
	25 trans-1,2-Dichloroethene	0.28384	0.27352	0.010	-3.6	50.0
	26 Hexane	50.00000	43.82584	0.010	12.3	20.0
	27 Vinyl acetate	50.00000	45.36038	0.010	9.3	50.0
	28 1,1-Dichloroethane	0.51479	0.49402	0.100	-4.0	50.0
	29 tert-Butyl Alcohol	1000	894	0.010	10.6	50.0
	30 2-Butanone	0.15236	0.14682	0.010	-3.6	50.0
M	31 1,2-Dichloroethene (total)	0.28154	0.28030	0.010	-0.4	50.0
	32 cis-1,2-dichloroethene	0.27923	0.28708	0.010	2.8	50.0
	33 2,2-Dichloropropane	0.32071	0.31450	0.010	-1.9	50.0
	34 Bromochloromethane	0.12748	0.12009	0.010	-5.8	50.0
	35 Chloroform	0.49561	0.47175	0.010	-4.8	20.0
	36 Tetrahydrofuran	0.06911	0.06634	0.010	-4.0	50.0
	37 1,1,1-Trichloroethane	0.39706	0.38433	0.010	-3.2	50.0
	38 1,1-Dichloropropene	0.34069	0.34788	0.010	2.1	50.0
	39 Carbon Tetrachloride	0.30698	0.28512	0.010	-7.1	50.0
	40 1,2-Dichloroethane	0.42788	0.40196	0.010	-6.1	50.0

0.39533 4-25-04 cmk

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79098.D
Report Date: 23-Aug-2004 14:07

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 23-AUG-2004 09:11
Lab File ID: UX79098.D Init. Cal. Date(s): 20-APR-2004 21-AUG-2004
Analysis Type: WATER Init. Cal. Times: 14:54 10:14
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\N8260UX7-3.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	41 Benzene	1.18777	1.15022	0.010	-3.2	50.0
	42 Trichloroethene	0.24184	0.24582	0.010	1.6	50.0
	43 1,2-Dichloropropane	0.29106	0.28229	0.010	-3.0	20.0
	44 1,4-Dioxane	2500	2383	0.010	4.7	50.0
	45 Dibromomethane	0.16665	0.15891	0.010	-4.6	50.0
	46 Bromodichloromethane	0.35735	0.35148	0.010	-1.6	50.0
	47 2-Chloroethyl vinyl ether	100	92.22908	0.010	7.8	50.0
	48 cis-1,3-Dichloropropene	0.40703	0.40128	0.010	-1.4	50.0
	49 4-Methyl-2-pentanone	100	93.86499	0.010	6.1	50.0
	50 Toluene	1.67886	1.67669	0.010	-0.1	20.0
	51 trans-1,3-Dichloropropene	0.52832	0.50585	0.010	-4.3	50.0
	52 Ethyl Methacrylate	50.00000	47.74442	0.010	4.5	50.0
	53 1,1,2-Trichloroethane	0.35919	0.34314	0.010	-4.5	50.0
	54 1,3-Dichloropropane	0.62692	0.62076	0.010	-1.0	50.0
	55 Tetrachloroethene	0.23096	0.22419	0.010	-2.9	50.0
	56 2-Hexanone	100	88.55357	0.010	11.4	50.0
	57 Dibromochloromethane	0.29286	0.30700	0.010	4.8	50.0
	58 1,2-Dibromoethane	0.31655	0.32375	0.010	2.3	50.0
	59 Chlorobenzene	1.01002	0.99105	0.300	-1.9	50.0
	60 1,1,1,2-Tetrachloroethane	0.32134	0.32100	0.010	-0.1	50.0
	61 Ethylbenzene	50.00000	46.57161	0.010	6.9	20.0
	62 m + p-Xylene	100	91.21865	0.010	8.8	50.0
M	63 Xylenes (total)	150	138	0.010	8.1	50.0
	64 Xylene-o	50.00000	46.65557	0.010	6.7	50.0
	65 Styrene	50.00000	46.50367	0.010	7.0	50.0
	66 Bromoform	50.00000	57.60345	0.100	-15.2	50.0
	67 Isopropylbenzene	50.00000	47.87750	0.010	4.2	50.0
	68 1,1,2,2-Tetrachloroethane	1.06083	1.01188	0.300	-4.6	50.0
	69 1,4-Dichloro-2-butene	0.34328	0.29984	0.010	-12.7	50.0
	70 1,2,3-Trichloropropane	0.32360	0.30873	0.010	-4.6	50.0
	71 Bromobenzene	0.74828	0.78530	0.010	4.9	50.0
	72 n-Propylbenzene	50.00000	48.05137	0.010	3.9	50.0
	73 2-Chlorotoluene	0.68146	0.73292	0.010	7.6	50.0
	74 1,3,5-Trimethylbenzene	50.00000	48.37587	0.010	3.2	50.0
	75 4-Chlorotoluene	0.73531	0.78709	0.010	7.0	50.0
	76 tert-Butylbenzene	50.00000	49.85294	0.010	0.3	50.0

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cmk 4-20-04

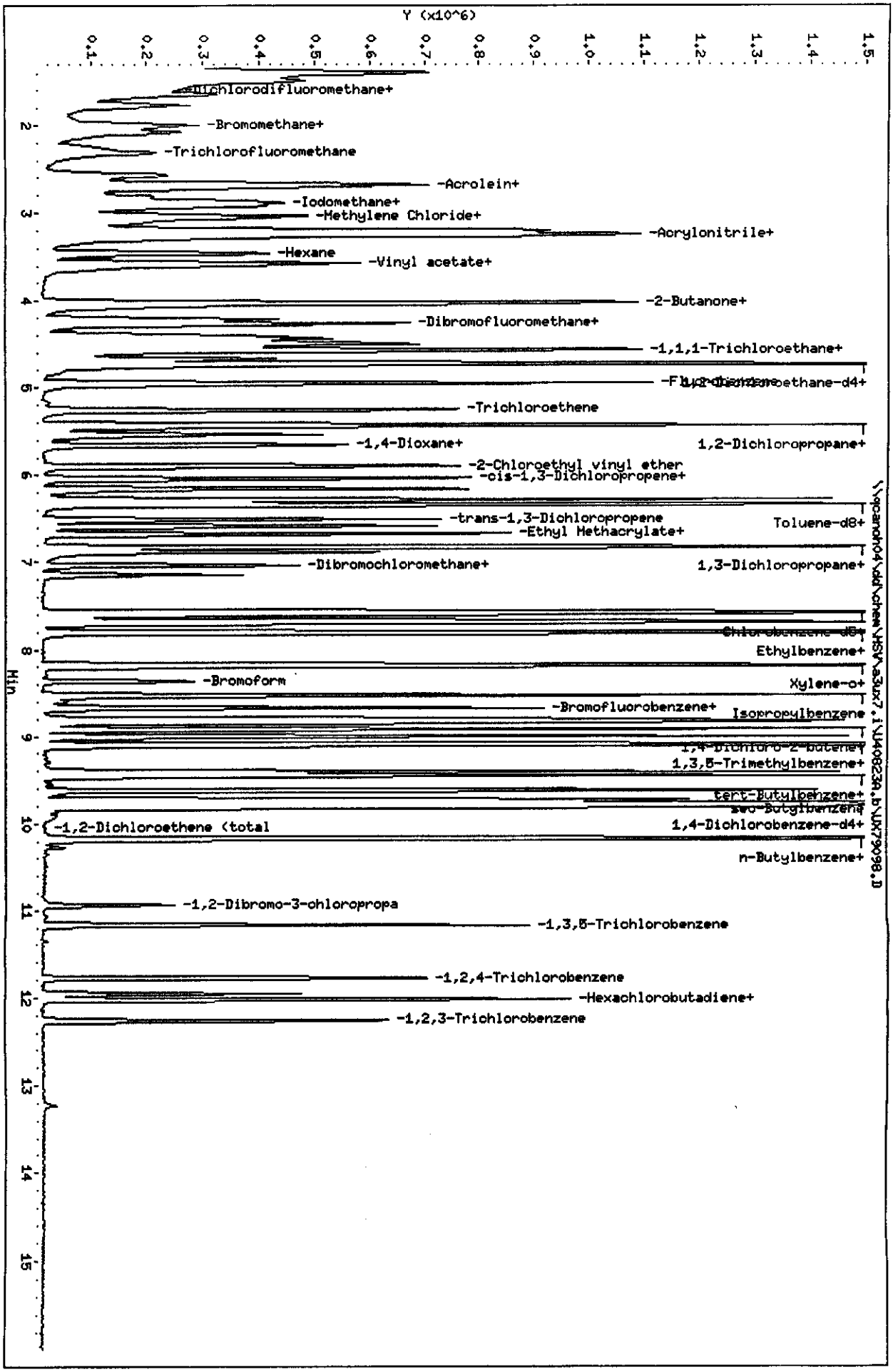
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79098.D
Report Date: 23-Aug-2004 14:07

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 23-AUG-2004 09:11
Lab File ID: UX79098.D Init. Cal. Date(s): 20-APR-2004 21-AUG-2004
Analysis Type: WATER Init. Cal. Times: 14:54 10:14
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\N8260UX7-3.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	50.00000	47.48347	0.010	5.0	50.0
78 sec-Butylbenzene	50.00000	47.23389	0.010	5.5	50.0
79 4-Isopropyltoluene	50.00000	46.96176	0.010	6.1	50.0
80 1,3-Dichlorobenzene	1.37500	1.35603	0.010	-1.4	50.0
81 1,4-Dichlorobenzene	1.47211	1.45660	0.010	-1.1	50.0
82 n-Butylbenzene	50.00000	46.59933	0.010	6.8	50.0
83 1,2-Dichlorobenzene	1.39080	1.40236	0.010	0.8	50.0
84 1,2-Dibromo-3-chloropropane	0.13976	0.15954	0.010	14.2	50.0
85 1,2,4-Trichlorobenzene	0.58516	0.61017	0.010	4.3	50.0
86 Hexachlorobutadiene	0.22470	0.20272	0.010	-9.8	50.0
87 Naphthalene	50.00000	50.84322	0.010	-1.7	50.0
88 1,2,3-Trichlorobenzene	50.00000	47.36295	0.010	5.3	50.0
98 Cyclohexane	50.00000	47.61354	0.010	4.8	50.0
143 Methyl Acetate	0.19318	0.17307	0.010	-10.4	50.0
144 Methylcyclohexane	50.00000	46.44217	0.010	7.1	50.0
141 1,3,5-Trichlorobenzene	0.67925	0.68295	0.010	0.5	50.0


Data File: \\qcanch04\dd\chem\HSV\a3ux7.i\U408230.b\UX79098.D
Date : 23-AUG-2004 09:11
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624 20M
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Dibromofluoromethane+
-1,1,1-Trichloroethane+
-Trichloroethene
-1,4-Dioxane+
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene+
-trans-1,3-Dichloropropene
Toluene-d8+
-Ethyl Methacrylate+
-Dibromochloromethane+
1,3-Dichloropropane+
Ethylbenzene+
-Bromoform
Xylene-o+
-Bromofluorobenzene+
Isopropylbenzene
1,3,5-Trimethylbenzene+
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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79098.D
Report Date: 24-Aug-2004 08:19

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79098.D
Lab Smp Id: 50NG-CC
Inj Date : 23-AUG-2004 09:11
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NG-CC
Misc Info : U40823A,N8260UX7-3,1-8260.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\N8260UX7-3.m
Meth Date : 24-Aug-2004 08:18 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

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	4.954	4.954	(1.000)	1264311	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.569	(1.000)	874202	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.794	(1.000)	395460	50.0000	
$ 4 Dibromofluoromethane	113	4.398	4.398	(0.888)	255927	50.0000	45.475
$ 5 1,2-Dichloroethane-d4	65	4.670	4.670	(0.943)	377532	50.0000	44.810
$ 6 Toluene-d8	98	6.279	6.279	(0.830)	1093365	50.0000	48.523
$ 7 Bromofluorobenzene	95	8.669	8.669	(1.145)	352656	50.0000	49.083
8 Dichlorodifluoromethane	85	1.593	1.593	(0.322)	338910	50.0000	50.618
9 Chloromethane	50	1.641	1.641	(0.331)	499734	50.0000	46.324
10 Vinyl Chloride	62	1.759	1.759	(0.355)	473973	50.0000	45.388
11 Bromomethane	94	1.996	1.996	(0.403)	318069	50.0000	41.469
12 Chloroethane	64	2.079	2.079	(0.420)	349426	50.0000	44.461
13 Trichlorofluoromethane	101	2.315	2.315	(0.467)	476326	50.0000	45.807
15 Acrolein	56	2.576	2.576	(0.520)	517255	500.000	422.75
16 Acetone	43	2.670	2.670	(0.539)	331216	100.000	89.918
17 1,1-Dichloroethene	96	2.682	2.682	(0.541)	294458	50.0000	47.502
18 Freon-113	151	2.694	2.694	(0.544)	186419	50.0000	49.264

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79098.D
Report Date: 24-Aug-2004 08:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.812	2.812	(0.568)	422972	50.0000	50.032
	20 Carbon Disulfide	76	2.871	2.871	(0.580)	1109166	50.0000	44.586
	21 Methylene Chloride	84	3.037	3.037	(0.613)	419873	50.0000	50.677
	22 Acetonitrile	41	2.919	2.919	(0.589)	369150	500.000	436.31
	23 Acrylonitrile	53	3.203	3.203	(0.647)	1217396	500.000	435.09
	24 Methyl tert-butyl ether	73	3.262	3.262	(0.658)	878235	50.0000	53.049
	25 trans-1,2-Dichloroethene	96	3.250	3.250	(0.656)	345816	50.0000	48.181
	26 Hexane	86	3.463	3.463	(0.699)	53290	50.0000	43.826
	27 Vinyl acetate	43	3.593	3.593	(0.725)	562335	50.0000	45.360
	28 1,1-Dichloroethane	63	3.569	3.569	(0.721)	624590	50.0000	47.982
	29 tert-Butyl Alcohol	59	3.108	3.108	(0.627)	419060	1000.00	893.59
	30 2-Butanone	43	4.019	4.019	(0.811)	371262	100.000	96.365
M	31 1,2-Dichloroethene (total)	96				708771	100.000	99.587
	32 cis-1,2-dichloroethene	96	4.031	4.031	(0.814)	362955	50.0000	51.406
	33 2,2-Dichloropropane	77	4.043	4.043	(0.816)	397631	50.0000	49.033
	34 Bromochloromethane	128	4.220	4.220	(0.852)	151829	50.0000	47.100
	35 Chloroform	83	4.268	4.268	(0.861)	596439	50.0000	47.593
	36 Tetrahydrofuran	42	4.256	4.256	(0.859)	83877	50.0000	47.998
	37 1,1,1-Trichloroethane	97	4.445	4.445	(0.897)	485914	50.0000	48.397
	38 1,1-Dichloropropene	75	4.563	4.563	(0.921)	439823	50.0000	51.055
	39 Carbon Tetrachloride	117	4.587	4.587	(0.926)	360486	50.0000	46.440
	40 1,2-Dichloroethane	62	4.729	4.729	(0.955)	508197	50.0000	46.970
	41 Benzene	78	4.729	4.729	(0.955)	1454233	50.0000	48.419
	42 Trichloroethene	130	5.262	5.262	(1.062)	310792	50.0000	50.822
	43 1,2-Dichloropropane	63	5.427	5.427	(1.096)	356906	50.0000	48.494
	44 1,4-Dioxane	88	5.546	5.546	(1.119)	125611	2500.00	2382.9(A)
	45 Dibromomethane	93	5.534	5.534	(1.117)	200912	50.0000	47.677
	46 Bromodichloromethane	83	5.652	5.652	(1.141)	444380	50.0000	49.179
	47 2-Chloroethyl vinyl ether	63	5.901	5.901	(1.191)	393696	100.000	92.229
	48 cis-1,3-Dichloropropene	75	6.031	6.031	(1.217)	507347	50.0000	49.294
	49 4-Methyl-2-pentanone	43	6.149	6.149	(1.241)	625000	100.000	93.865
	50 Toluene	91	6.338	6.338	(0.837)	1465770	50.0000	49.935
	51 trans-1,3-Dichloropropene	75	6.504	6.504	(0.859)	442212	50.0000	47.873
	52 Ethyl Methacrylate	69	6.587	6.587	(0.870)	410464	50.0000	47.744
	53 1,1,2-Trichloroethane	97	6.670	6.670	(0.881)	299977	50.0000	47.766
	54 1,3-Dichloropropane	76	6.823	6.823	(0.902)	542668	50.0000	49.508
	55 Tetrachloroethene	164	6.835	6.835	(0.903)	195986	50.0000	48.535
	56 2-Hexanone	43	6.883	6.883	(0.909)	480576	100.000	88.554
	57 Dibromochloromethane	129	7.036	7.036	(0.930)	268384	50.0000	52.414
	58 1,2-Dibromoethane	107	7.143	7.143	(0.944)	283020	50.0000	51.136
	59 Chlorobenzene	112	7.593	7.593	(1.003)	866376	50.0000	49.061
	60 1,1,1,2-Tetrachloroethane	131	7.664	7.664	(1.013)	280616	50.0000	49.947
	61 Ethylbenzene	106	7.699	7.699	(1.017)	442597	50.0000	46.572
	62 m + p-Xylene	106	7.806	7.806	(1.031)	1106810	100.000	91.219
M	63 Xylenes (total)	106				1654159	150.000	137.87
	64 Xylene-o	106	8.172	8.172	(1.080)	547349	50.0000	46.656
	65 Styrene	104	8.184	8.184	(1.081)	981259	50.0000	46.504

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79098.D
Report Date: 24-Aug-2004 08:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.362	8.362	(1.105)	148151	50.0000	57.603
67 Isopropylbenzene	105	8.527	8.527	(1.127)	1118183	50.0000	47.878
68 1,1,2,2-Tetrachloroethane	83	8.788	8.788	(0.897)	400160	50.0000	47.693
69 1,4-Dichloro-2-butene	53	8.847	8.847	(0.903)	118573	50.0000	43.672
70 1,2,3-Trichloropropane	110	8.835	8.835	(0.902)	122090	50.0000	47.702
71 Bromobenzene	156	8.823	8.823	(0.901)	310554	50.0000	52.473
72 n-Propylbenzene	120	8.918	8.918	(0.911)	301630	50.0000	48.051
73 2-Chlorotoluene	126	9.001	9.001	(0.919)	289841	50.0000	53.775
74 1,3,5-Trimethylbenzene	105	9.084	9.084	(0.927)	976039	50.0000	48.376
75 4-Chlorotoluene	126	9.107	9.107	(0.930)	311264	50.0000	53.521
76 tert-Butylbenzene	119	9.403	9.403	(0.960)	744142	50.0000	49.853
77 1,2,4-Trimethylbenzene	105	9.450	9.450	(0.965)	1010310	50.0000	47.483
78 sec-Butylbenzene	105	9.616	9.616	(0.982)	1092282	50.0000	47.234
79 4-Isopropyltoluene	119	9.758	9.758	(0.996)	868563	50.0000	46.962
80 1,3-Dichlorobenzene	146	9.734	9.734	(0.994)	536257	50.0000	49.310
81 1,4-Dichlorobenzene	146	9.817	9.817	(1.002)	576029	50.0000	49.473
82 n-Butylbenzene	91	10.160	10.160	(1.037)	834436	50.0000	46.599
83 1,2-Dichlorobenzene	146	10.184	10.184	(1.040)	554577	50.0000	50.416
84 1,2-Dibromo-3-chloropropane	157	10.941	10.941	(1.117)	63092	50.0000	57.078
85 1,2,4-Trichlorobenzene	180	11.781	11.781	(1.203)	241299	50.0000	52.137
86 Hexachlorobutadiene	225	11.959	11.959	(1.221)	80169	50.0000	45.110
87 Naphthalene	128	12.018	12.018	(1.227)	843783	50.0000	50.843
88 1,2,3-Trichlorobenzene	180	12.267	12.267	(1.253)	212786	50.0000	47.363
98 Cyclohexane	56	4.504	4.504	(0.909)	517677	50.0000	47.614
143 Methyl Acetate	43	2.930	2.930	(0.592)	437631	100.000	89.589
144 Methylcyclohexane	83	5.439	5.439	(1.098)	393905	50.0000	46.442
141 1,3,5-Trichlorobenzene	180	11.166	11.166	(1.140)	270080	50.0000	50.273

QC Flag Legend

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

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\8260LLUX12.m
Start Cal Date: 27-MAY-2004 22:05
End Cal Date : 28-MAY-2004 00:02
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.500		
27-MAY-2004 22:05	2-8260	UX126992.D
Cal Level: 2 , Cal Amount: 10.000		
27-MAY-2004 22:28	2-8260	UX126993.D
Cal Level: 3 , Cal Amount: 25.000		
27-MAY-2004 22:51	2-8260	UX126994.D
Cal Level: 4 , Cal Amount: 50.000		
27-MAY-2004 23:15	2-8260	UX126995.D
Cal Level: 5 , Cal Amount: 100.00		
27-MAY-2004 23:38	2-8260	UX126996.D
Cal Level: 6 , Cal Amount: 250.00		
28-MAY-2004 00:02	2-8260	UX126997.D

Continuing Calibration

27-MAY-2004 23:15	2-8260	UX126995.D
27-MAY-2004 23:15	2-8260	UX126995.D

Report Date : 28-May-2004 16:57

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 27-MAY-2004 22:05
End Cal Date : 28-MAY-2004 00:02
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\8260LLUX12.m
Cal Date : 28-May-2004 16:21 laveyt
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126992.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126993.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126994.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126995.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126996.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126997.D

Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
8 Dichlorodifluoromethane	0.20561	0.20370	0.26543	0.28377	0.27522	0.25440	0.24802	14.111	
9 Chloromethane	0.44590	0.38632	0.41929	0.42325	0.41305	0.38421	0.41201	5.704	
10 Vinyl Chloride	0.31666	0.31000	0.36381	0.38059	0.38320	0.36199	0.35271	9.002	
11 Bromomethane	0.21638	0.22220	0.21492	0.22560	0.21768	0.19690	0.21561	4.632	
12 Chloroethane	0.17769	0.20588	0.23938	0.25317	0.24683	0.21613	0.22318	12.892	
13 Trichlorofluoromethane	0.27622	0.28762	0.35360	0.36591	0.36875	0.32708	0.32986	12.160	
14 Dichlorofluoromethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
15 Acrolein	0.03841	0.03567	0.03883	0.03977	0.03589	0.03473	0.03722	5.491	
16 Acetone	0.33092	0.22196	0.15261	0.13533	0.14051	0.12624	0.18460	43.070	
17 1,1-Dichloroethene	0.18315	0.21492	0.26444	0.26590	0.27875	0.27313	0.24671	15.654	
18 Freon-113	0.02413	0.07655	0.16890	0.17118	0.19327	0.18494	0.13649	50.804	<-
19 Iodomethane	0.31879	0.31654	0.38943	0.39723	0.42077	0.41254	0.37588	12.353	
20 Carbon Disulfide	0.78904	0.76254	0.89133	0.87086	0.92223	0.89335	0.85489	7.483	
21 Methylene Chloride	0.24264	0.31472	0.29933	0.28828	0.29048	0.27560	0.28517	8.607	
22 Acetonitrile	0.03750	0.03311	0.04443	0.04097	0.04066	0.03856	0.03920	9.747	
23 Acrylonitrile	0.09334	0.09426	0.10739	0.10341	0.10455	0.10709	0.10167	6.185	
24 Methyl tert-butyl ether	0.68652	0.68178	0.75177	0.74177	0.77993	0.77567	0.73624	5.818	
25 trans-1,2-Dichloroethene	0.22627	0.23627	0.25387	0.26041	0.27433	0.26247	0.25227	7.073	
26 Hexane	0.18737	0.18966	0.20642	0.20918	0.22416	0.22294	0.20662	7.618	
27 Vinyl acetate	0.39462	0.39071	0.38925	0.40251	0.39622	0.38554	0.39314	1.519	
28 1,1-Dichloroethane	0.38000	0.39528	0.43276	0.41644	0.43477	0.42074	0.41333	5.232	
29 tert-Butyl Alcohol	0.02006	0.02116	0.02524	0.02433	0.02546	0.02482	0.02351	9.806	
30 2-Butanone	0.24363	0.19454	0.19637	0.16798	0.18086	0.17810	0.19358	13.804	
M 31 1,2-Dichloroethene (total)	0.23158	0.24765	0.26791	0.26383	0.27878	0.26645	0.25937	6.519	
32 cis-1,2-dichloroethene	0.23689	0.25903	0.28195	0.26726	0.28322	0.27044	0.26646	6.428	

Report Date : 28-May-2004 16:57

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 27-MAY-2004 22:05
End Cal Date : 28-MAY-2004 00:02
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\8260LLUX12.m
Cal Date : 28-May-2004 16:21 laveyt
Curve Type : Average

	Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
	33 2,2-Dichloropropane	0.12897	0.13700	0.14290	0.14819	0.15548	0.15793	0.14508	7.629	
	34 Bromochloromethane	0.11056	0.11779	0.13978	0.13592	0.14157	0.13598	0.13027	9.871	
	35 Chloroform	0.38480	0.38541	0.44122	0.41637	0.43934	0.42289	0.41500	6.030	
	36 Tetrahydrofuran	0.13834	0.12127	0.09380	0.08407	0.08677	0.08443	0.10145	22.562	
	37 1,1,1-Trichloroethane	0.27464	0.27273	0.35311	0.35502	0.37277	0.36329	0.33193	13.753	
	38 1,1-Dichloropropene	0.29032	0.29708	0.32907	0.32337	0.33875	0.32609	0.31745	6.058	
	39 Carbon Tetrachloride	0.22408	0.23013	0.25664	0.28586	0.30513	0.30466	0.26775	13.501	
	40 1,2-Dichloroethane	0.31362	0.31023	0.35780	0.33664	0.35664	0.34077	0.33595	6.086	
	41 Benzene	1.24094	1.13741	1.08446	1.03915	1.08444	1.07163	1.10967	6.460	
	42 Trichloroethene	0.26953	0.27356	0.29714	0.28915	0.29771	0.29792	0.28750	4.470	
	43 1,2-Dichloropropane	0.23003	0.23205	0.25222	0.24149	0.25515	0.24675	0.24295	4.267	
	44 1,4-Dioxane	0.00136	0.00208	0.00310	0.00291	0.00288	0.00276	0.00252	26.417	<-
	45 Dibromomethane	0.13219	0.13931	0.14998	0.15038	0.15556	0.15071	0.14636	5.983	
	46 Bromodichloromethane	0.26435	0.27743	0.32183	0.31392	0.33367	0.33275	0.30732	9.581	
	47 2-Chloroethyl vinyl ether	0.07339	0.09111	0.09963	0.09866	0.10431	0.10265	0.09496	12.117	
	48 cis-1,3-Dichloropropene	0.37293	0.35347	0.41267	0.40694	0.43584	0.43598	0.40297	8.329	
	49 4-Methyl-2-pentanone	0.30412	0.27611	0.31410	0.29715	0.30925	0.30419	0.30082	4.444	
	50 Toluene	1.34978	1.27209	1.35102	1.33890	1.39697	1.42392	1.35545	3.860	
	51 trans-1,3-Dichloropropene	0.36981	0.38420	0.45228	0.44468	0.48121	0.49737	0.43826	11.717	
	52 Ethyl Methacrylate	0.40957	0.36754	0.45855	0.45198	0.47767	0.49238	0.44295	10.480	
	53 1,1,2-Trichloroethane	0.24456	0.26797	0.29854	0.28540	0.29312	0.29390	0.28058	7.368	
	54 1,3-Dichloropropane	0.51934	0.50799	0.52699	0.51657	0.53906	0.54299	0.52549	2.576	
	55 Tetrachloroethene	0.24130	0.24255	0.26591	0.26051	0.27030	0.27232	0.25882	5.295	
	56 2-Hexanone	0.27661	0.26820	0.31420	0.29857	0.31296	0.31583	0.29773	6.964	
	57 Dibromochloromethane	0.24036	0.23622	0.28428	0.27942	0.30567	0.32162	0.27793	12.331	
	58 1,2-Dibromoethane	0.28561	0.27711	0.30870	0.30542	0.31007	0.31736	0.30071	5.229	
	59 Chlorobenzene	0.88346	0.88927	0.96673	0.93087	0.96941	0.98195	0.93695	4.563	
	60 1,1,1,2-Tetrachloroethane	0.27625	0.28275	0.31304	0.31316	0.33218	0.34586	0.31054	8.732	
	61 Ethylbenzene	0.45424	0.44002	0.48702	0.47100	0.48941	0.50063	0.47372	4.878	
	62 m + p-Xylene	0.54935	0.56230	0.60966	0.59802	0.62534	0.65655	0.60020	6.632	
M	63 Xylenes (total)	0.54341	0.55356	0.60717	0.59725	0.62488	0.65204	0.59638	6.981	
	64 Xylene-o	0.53155	0.53606	0.60219	0.59570	0.62396	0.64303	0.58875	7.770	
	65 Styrene	0.82997	0.90949	1.09962	1.06770	1.14621	1.22183	1.04580	14.157	

Report Date : 28-May-2004 16:57

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 27-MAY-2004 22:05
End Cal Date : 28-MAY-2004 00:02
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\8260LLUX12.m
Cal Date : 28-May-2004 16:21 laveyt
Curve Type : Average

Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
66 Bromoform	0.14344	0.14138	0.18546	0.18924	0.21240	0.23710	0.18484	20.406	
67 Isopropylbenzene	1.16775	1.13931	1.28093	1.24032	1.31438	1.36535	1.25134	6.921	
68 1,1,2,2-Tetrachloroethane	0.69354	0.70648	0.76352	0.72741	0.73559	0.72712	0.72561	3.340	
69 1,4-Dichloro-2-butene	0.15746	0.15784	0.20430	0.19787	0.21690	0.22554	0.19332	15.134	
70 1,2,3-Trichloropropane	0.26534	0.28355	0.28843	0.27627	0.27885	0.27505	0.27791	2.843	
71 Bromobenzene	0.80068	0.78576	0.84238	0.81185	0.82760	0.83809	0.81773	2.716	
72 n-Propylbenzene	0.58699	0.59221	0.67707	0.65914	0.69572	0.68014	0.64854	7.269	
73 2-Chlorotoluene	0.59551	0.63538	0.68305	0.66019	0.67727	0.67491	0.65438	5.127	
74 1,3,5-Trimethylbenzene	1.69261	1.72327	1.98565	1.91045	2.02732	2.04642	1.89762	8.140	
75 4-Chlorotoluene	0.66698	0.66238	0.71139	0.69565	0.72741	0.72663	0.69841	4.100	
76 tert-Butylbenzene	1.51086	1.49708	1.63078	1.56907	1.64843	1.63280	1.58150	4.176	
77 1,2,4-Trimethylbenzene	1.84115	1.79752	2.06119	2.03241	2.10587	2.13818	1.99605	7.129	
78 sec-Butylbenzene	1.90804	1.86733	2.13276	2.10112	2.21567	2.21456	2.07325	7.292	
79 4-Isopropyltoluene	1.66799	1.57825	1.83640	1.81972	1.90918	1.91791	1.78824	7.639	
80 1,3-Dichlorobenzene	1.23573	1.31515	1.35810	1.30476	1.35416	1.36955	1.32291	3.761	
81 1,4-Dichlorobenzene	1.38334	1.40789	1.45948	1.39937	1.44804	1.43758	1.42262	2.115	
82 n-Butylbenzene	1.28026	1.22811	1.42621	1.44327	1.52986	1.54845	1.40936	9.242	
83 1,2-Dichlorobenzene	1.27573	1.26522	1.33544	1.29505	1.33167	1.35450	1.30960	2.753	
84 1,2-Dibromo-3-chloropropane	0.09563	0.11523	0.13032	0.12537	0.14394	0.14766	0.12636	15.211	
85 1,2,4-Trichlorobenzene	0.52336	0.47876	0.53023	0.54074	0.56513	0.58084	0.53651	6.642	
86 Hexachlorobutadiene	0.25629	0.23365	0.25232	0.24800	0.25151	0.23896	0.24679	3.526	
87 Naphthalene	0.99961	1.00291	1.21565	1.28470	1.38724	1.49064	1.23012	16.279	
88 1,2,3-Trichlorobenzene	0.34134	0.31767	0.36576	0.37319	0.38458	0.39626	0.36313	7.988	
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	0.19978	0.27826	0.33071	0.33256	0.35413	0.33477	0.30503	18.836	

Report Date : 28-May-2004 16:57

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 27-MAY-2004 22:05
End Cal Date : 28-MAY-2004 00:02
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\8260LLUX12.m
Cal Date : 28-May-2004 16:21 laveyt
Curve Type : Average

Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 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	0.60635	0.62060	0.68064	0.65993	0.68942	0.68894	0.65765	5.494	
143 Methyl Acetate	0.24688	0.22321	0.23212	0.21479	0.21678	0.21472	0.22475	5.661	
144 Methylcyclohexane	0.23793	0.26160	0.25844	0.25742	0.28618	0.27659	0.26303	6.372	
145 Dimethoxymethane	*****	*****	*****	*****	*****	*****	*****	*****	<-
146 2-Methylnaphthalene	*****	*****	*****	*****	*****	*****	*****	*****	<-
147 Allyl Alcohol	*****	*****	*****	*****	*****	*****	*****	*****	<-
$ 4 Dibromofluoromethane	*****	0.19300	0.21349	0.21550	0.21938	0.21029	0.21033	4.866	
$ 5 1,2-Dichloroethane-d4	*****	0.24015	0.27095	0.26957	0.27694	0.26655	0.26483	5.402	
$ 6 Toluene-d8	*****	0.97406	1.04315	1.02445	1.04881	1.06077	1.03025	3.304	
$ 7 Bromofluorobenzene	*****	0.39809	0.43393	0.43198	0.44385	0.44999	0.43157	4.658	

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INITIAL CALIBRATION DATA

tart Cal Date : 27-MAY-2004 22:05
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uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\8260LLUX12.m
al Date : 28-May-2004 16:21 laveyt

alibration File Names:
evel 1: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126992.D
evel 2: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126993.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126994.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126995.D
evel 5: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126996.D
evel 6: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126997.D

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
8 Dichlorodifluoromethane	0.20561	0.20370	0.26543	0.28377	0.27522	0.25440	AVRG		0.24802		14.11117	
9 Chloromethane	0.44590	0.38632	0.41929	0.42325	0.41305	0.38421	AVRG		0.41201		5.70391	
10 Vinyl Chloride	0.31666	0.31000	0.36381	0.38059	0.38320	0.36199	AVRG		0.35271		9.00175	
11 Bromomethane	0.21638	0.22220	0.21492	0.22560	0.21768	0.19690	AVRG		0.21561		4.63179	
12 Chloroethane	0.17769	0.20588	0.23938	0.25317	0.24683	0.21613	AVRG		0.22318		12.89224	
13 Trichlorofluoromethane	0.27622	0.28762	0.35360	0.36591	0.36875	0.32708	AVRG		0.32986		12.16015	
14 Dichlorofluoromethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
15 Acrolein	0.03841	0.03567	0.03883	0.03977	0.03589	0.03473	AVRG		0.03722		5.49054	
16 Acetone	23041	30737	105608	187033	390700	907044	LINR	-0.22020	0.12487		0.99858	

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al Date : 28-May-2004 16:21 laveyt

	Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	17 1,1-Dichloroethene	6376	14881	91496	183741	387534	981180	LINR	0.01481	0.27472		0.99986
	18 Freon-113	840	5300	58438	118288	268688	664383	LINR	0.04342	0.18782		0.99923
	19 Iodomethane	0.31879	0.31654	0.38943	0.39723	0.42077	0.41254	AVRG		0.37588		12.35277
	20 Carbon Disulfide	0.78904	0.76254	0.89133	0.87086	0.92223	0.89335	AVRG		0.85489		7.48299
	21 Methylene Chloride	0.24264	0.31472	0.29933	0.28828	0.29048	0.27560	AVRG		0.28517		8.60669
	22 Acetonitrile	0.03750	0.03311	0.04443	0.04097	0.04066	0.03856	AVRG		0.03920		9.74682
	23 Acrylonitrile	0.09334	0.09426	0.10739	0.10341	0.10455	0.10709	AVRG		0.10167		6.18499
	24 Methyl tert-butyl ether	0.68652	0.68178	0.75177	0.74177	0.77993	0.77567	AVRG		0.73624		5.81788
	25 trans-1,2-Dichloroethene	0.22627	0.23627	0.25387	0.26041	0.27433	0.26247	AVRG		0.25227		7.07313
	26 Hexane	0.18737	0.18966	0.20642	0.20918	0.22416	0.22294	AVRG		0.20662		7.61777
	27 Vinyl acetate	0.39462	0.39071	0.38925	0.40251	0.39622	0.38554	AVRG		0.39314		1.51873
	28 1,1-Dichloroethane	0.38000	0.39528	0.43276	0.41644	0.43477	0.42074	AVRG		0.41333		5.23209
	29 tert-Butyl Alcohol	0.02006	0.02116	0.02524	0.02433	0.02546	0.02482	AVRG		0.02351		9.80616
	30 2-Butanone	0.24363	0.19454	0.19637	0.16798	0.18086	0.17810	AVRG		0.19358		13.80386
M	31 1,2-Dichloroethene (total)	0.23158	0.24765	0.26791	0.26383	0.27878	0.26645	AVRG		0.25937		6.51886
	32 cis-1,2-dichloroethene	0.23689	0.25903	0.28195	0.26726	0.28322	0.27044	AVRG		0.26646		6.42756
	33 2,2-Dichloropropane	0.12897	0.13700	0.14290	0.14819	0.15548	0.15793	AVRG		0.14508		7.62850

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al Date : 28-May-2004 16:21 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
34 Bromochloromethane	0.11056	0.11779	0.13978	0.13592	0.14157	0.13598	AVRG		0.13027		9.87103	
35 Chloroform	0.38480	0.38541	0.44122	0.41637	0.43934	0.42289	AVRG		0.41500		6.03000	
36 Tetrahydrofuran	4816	8397	32456	58098	120632	303301	LINR	-0.04037	0.08386		0.99985	
37 1,1,1-Trichloroethane	0.27464	0.27273	0.35311	0.35502	0.37277	0.36329	AVRG		0.33193		13.75332	
38 1,1-Dichloropropene	0.29032	0.29708	0.32907	0.32337	0.33875	0.32609	AVRG		0.31745		6.05808	
39 Carbon Tetrachloride	0.22408	0.23013	0.25664	0.28586	0.30513	0.30466	AVRG		0.26775		13.50067	
40 1,2-Dichloroethane	0.31362	0.31023	0.35780	0.33664	0.35664	0.34077	AVRG		0.33595		6.08563	
41 Benzene	1.24094	1.13741	1.08446	1.03915	1.08444	1.07163	AVRG		1.10967		6.46005	
42 Trichloroethene	0.26953	0.27356	0.29714	0.28915	0.29771	0.29792	AVRG		0.28750		4.47032	
43 1,2-Dichloropropane	0.23003	0.23205	0.25222	0.24149	0.25515	0.24675	AVRG		0.24295		4.26660	
44 1,4-Dioxane	2369	7213	53558	100652	200333	495860	LINR	-1.08873	0.00277		0.99935	<-
45 Dibromomethane	0.13219	0.13931	0.14998	0.15038	0.15556	0.15071	AVRG		0.14636		5.98279	
46 Bromodichloromethane	0.26435	0.27743	0.32183	0.31392	0.33367	0.33275	AVRG		0.30732		9.58051	
47 2-Chloroethyl vinyl ether	0.07339	0.09111	0.09963	0.09866	0.10431	0.10265	AVRG		0.09496		12.11722	
48 cis-1,3-Dichloropropene	0.37293	0.35347	0.41267	0.40694	0.43584	0.43598	AVRG		0.40297		8.32920	
49 4-Methyl-2-pentanone	0.30412	0.27611	0.31410	0.29715	0.30925	0.30419	AVRG		0.30082		4.44390	
50 Toluene	1.34978	1.27209	1.35102	1.33890	1.39697	1.42392	AVRG		1.35545		3.85998	

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ethod file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\8260LLUX12.m
al Date : 28-May-2004 16:21 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
51 trans-1,3-Dichloropropene	0.36981	0.38420	0.45228	0.44468	0.48121	0.49737	AVRG		0.43826		11.71744
52 Ethyl Methacrylate	0.40957	0.36754	0.45855	0.45198	0.47767	0.49238	AVRG		0.44295		10.47986
53 1,1,2-Trichloroethane	0.24456	0.26797	0.29854	0.28540	0.29312	0.29390	AVRG		0.28058		7.36764
54 1,3-Dichloropropane	0.51934	0.50799	0.52699	0.51657	0.53906	0.54299	AVRG		0.52549		2.57611
55 Tetrachloroethene	0.24130	0.24255	0.26591	0.26051	0.27030	0.27232	AVRG		0.25882		5.29474
56 2-Hexanone	0.27661	0.26820	0.31420	0.29857	0.31296	0.31583	AVRG		0.29773		6.96439
57 Dibromochloromethane	0.24036	0.23622	0.28428	0.27942	0.30567	0.32162	AVRG		0.27793		12.33051
58 1,2-Dibromoethane	0.28561	0.27711	0.30870	0.30542	0.31007	0.31736	AVRG		0.30071		5.22904
59 Chlorobenzene	0.88346	0.88927	0.96673	0.93087	0.96941	0.98195	AVRG		0.93695		4.56253
60 1,1,1,2-Tetrachloroethane	0.27625	0.28275	0.31304	0.31316	0.33218	0.34586	AVRG		0.31054		8.73178
61 Ethylbenzene	0.45424	0.44002	0.48702	0.47100	0.48941	0.50063	AVRG		0.47372		4.87814
62 m + p-Xylene	0.54935	0.56230	0.60966	0.59802	0.62534	0.65655	AVRG		0.60020		6.63245
M 63 Xylenes (total)	0.54341	0.55356	0.60717	0.59725	0.62488	0.65204	AVRG		0.59638		6.98102
64 Xylene-o	0.53155	0.53606	0.60219	0.59570	0.62396	0.64303	AVRG		0.58875		7.76993
65 Styrene	0.82997	0.90949	1.09962	1.06770	1.14621	1.22183	AVRG		1.04580		14.15742
66 Bromoform	4264	8292	54049	110782	252569	708641	LINR	0.11130	0.23973		0.99776
67 Isopropylbenzene	1.16775	1.13931	1.28093	1.24032	1.31438	1.36535	AVRG		1.25134		6.92139

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Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\8260LLUX12.m
Cal Date : 28-May-2004 16:21 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
68 1,1,2,2-Tetrachloroethane	0.69354	0.70648	0.76352	0.72741	0.73559	0.72712	AVRG		0.72561		3.34023
69 1,4-Dichloro-2-butene	2366	4764	31453	61801	138948	373113	LINR	0.05840	0.22714		0.99948
70 1,2,3-Trichloropropane	0.26534	0.28355	0.28843	0.27627	0.27885	0.27505	AVRG		0.27791		2.84287
71 Bromobenzene	0.80068	0.78576	0.84238	0.81185	0.82760	0.83809	AVRG		0.81773		2.71627
72 n-Propylbenzene	0.58699	0.59221	0.67707	0.65914	0.69572	0.68014	AVRG		0.64854		7.26925
73 2-Chlorotoluene	0.59551	0.63538	0.68305	0.66019	0.67727	0.67491	AVRG		0.65438		5.12723
74 1,3,5-Trimethylbenzene	1.69261	1.72327	1.98565	1.91045	2.02732	2.04642	AVRG		1.89762		8.14015
75 4-Chlorotoluene	0.66698	0.66238	0.71139	0.69565	0.72741	0.72663	AVRG		0.69841		4.09990
76 tert-Butylbenzene	1.51086	1.49708	1.63078	1.56907	1.64843	1.63280	AVRG		1.58150		4.17621
77 1,2,4-Trimethylbenzene	1.84115	1.79752	2.06119	2.03241	2.10587	2.13818	AVRG		1.99605		7.12858
78 sec-Butylbenzene	1.90804	1.86733	2.13276	2.10112	2.21567	2.21456	AVRG		2.07325		7.29169
79 4-Isopropyltoluene	1.66799	1.57825	1.83640	1.81972	1.90918	1.91791	AVRG		1.78824		7.63915
80 1,3-Dichlorobenzene	1.23573	1.31515	1.35810	1.30476	1.35416	1.36955	AVRG		1.32291		3.76125
81 1,4-Dichlorobenzene	1.38334	1.40789	1.45948	1.39937	1.44804	1.43758	AVRG		1.42262		2.11549
82 n-Butylbenzene	1.28026	1.22811	1.42621	1.44327	1.52986	1.54845	AVRG		1.40936		9.24151
83 1,2-Dichlorobenzene	1.27573	1.26522	1.33544	1.29505	1.33167	1.35450	AVRG		1.30960		2.75298
84 1,2-Dibromo-3-chloropropane	1437	3478	20064	39155	92206	244277	LINR	0.06244	0.14900		0.99926

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Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
85 1,2,4-Trichlorobenzene	0.52336	0.47876	0.53023	0.54074	0.56513	0.58084	AVRG		0.53651		6.64193	
86 Hexachlorobutadiene	0.25629	0.23365	0.25232	0.24800	0.25151	0.23896	AVRG		0.24679		3.52564	
87 Naphthalene	15020	30270	187154	401248	888666	2465983	LINR	0.08157	1.50363		0.99901	
88 1,2,3-Trichlorobenzene	0.34134	0.31767	0.36576	0.37319	0.38458	0.39626	AVRG		0.36313		7.98793	
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	6955	19267	114423	229808	492323	1202614	LINR	0.00005	0.33733		0.99930	
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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Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 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		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	0.60635	0.62060	0.68064	0.65993	0.68942	0.68894	AVRG		0.65765		5.49357	
143 Methyl Acetate	0.24688	0.22321	0.23212	0.21479	0.21678	0.21472	AVRG		0.22475		5.66124	
144 Methylcyclohexane	0.23793	0.26160	0.25844	0.25742	0.28618	0.27659	AVRG		0.26303		6.37202	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
147 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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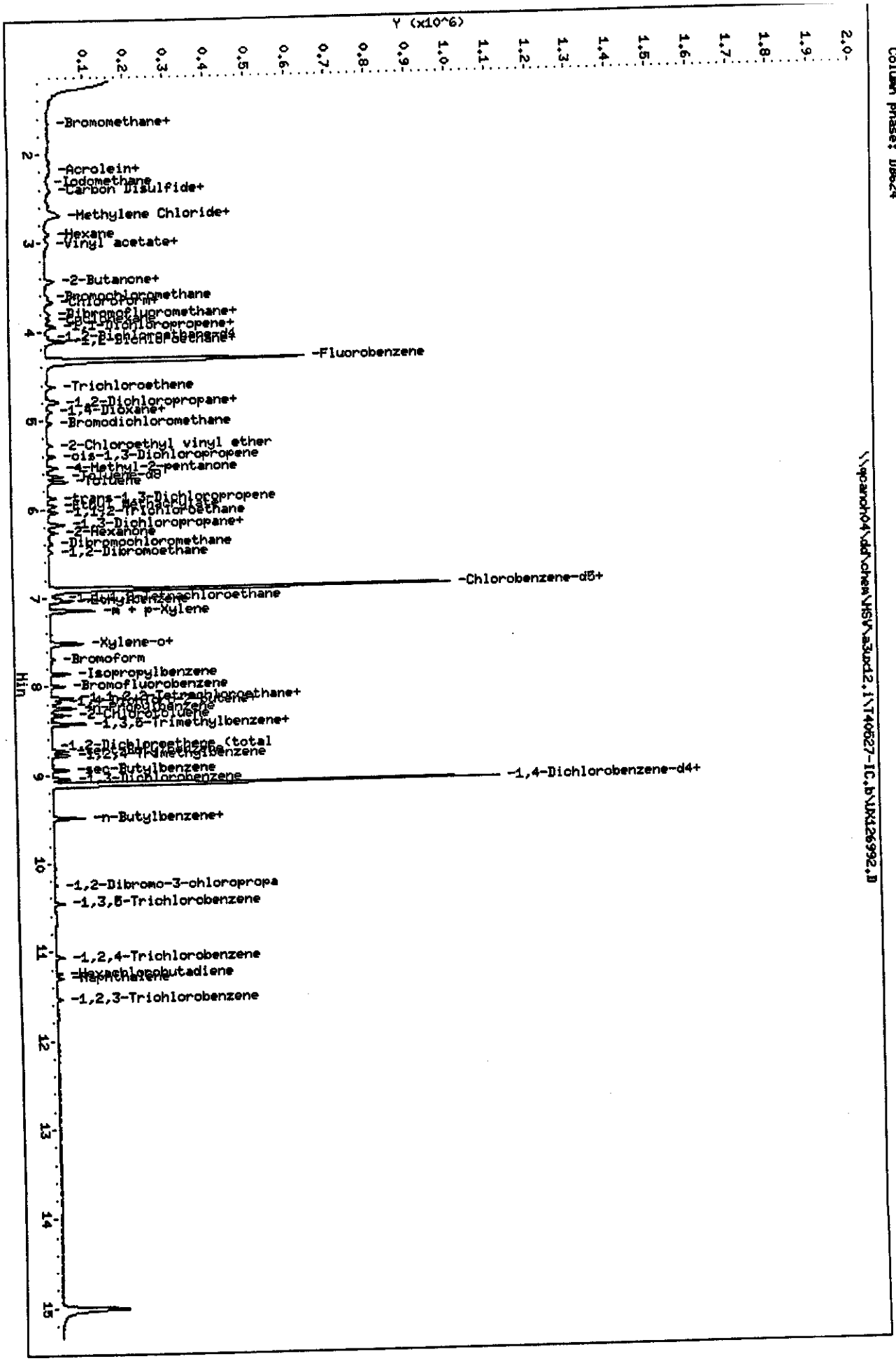
STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 27-MAY-2004 22:05
nd Cal Date : 28-MAY-2004 00:02
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\8260LLUX12.m
al Date : 28-May-2004 16:21 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 4 Dibromofluoromethane	+++++	0.19300	0.21349	0.21550	0.21938	0.21029	AVRG		0.21033		4.86611
$ 5 1,2-Dichloroethane-d4	+++++	0.24015	0.27095	0.26957	0.27694	0.26655	AVRG		0.26483		5.40214
$ 6 Toluene-d8	+++++	0.97406	1.04315	1.02445	1.04881	1.06077	AVRG		1.03025		3.30351
$ 7 Bromofluorobenzene	+++++	0.39809	0.43393	0.43198	0.44385	0.44999	AVRG		0.43157		4.65829

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


Data File: \\qcanch04\dd\chem\HSV\a3ux12.i\T40527-IC.b\UX126992.D
Date : 27-MAY-2004 22:05
Client ID:
Sample Info: 2.5NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
\\qcanch04\dd\chem\HSV\a3ux12.i\T40527-IC.b\UX126992.D
Y (x10^6)
Min
-Bromomethane+
-Acrolein+
-Iodomethane
-Carbon Disulfide+
-Methylene Chloride+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-1,1-Dichloropropene+
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane
-Ethylbenzene
-m + p-Xylene
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-1,1-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-1,2-Dichloroethene (total
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126992.D
Report Date: 28-May-2004 16:18

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126992.D
Lab Smp Id: 2.5NG-IC
Inj Date : 27-MAY-2004 22:05
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 2.5NG-IC
Misc Info : T40528-IC,8260LLUX12,2-8260.SUB,1903,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\8260LLUX12.m
Meth Date : 28-May-2004 16:18 laveyt Quant Type: ISTD
Cal Date : 27-MAY-2004 22:05 Cal File: UX126992.D
Calibration Sample, Level: 1
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV04

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	4.324	4.324	(1.000)	696261	50.0000	
* 2 Chlorobenzene-d5	117	6.909	6.909	(1.000)	594526	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.105	9.105	(1.000)	300518	50.0000	
$ 4 Dibromofluoromethane	113	3.794	3.794	(0.878)	6137	2.50000	2.095
$ 5 1,2-Dichloroethane-d4	65	4.056	4.056	(0.938)	7690	2.50000	2.085
$ 6 Toluene-d8	98	5.638	5.638	(0.816)	28658	2.50000	2.339
$ 7 Bromofluorobenzene	95	8.004	8.004	(1.158)	12100	2.50000	2.358
8 Dichlorodifluoromethane	85	1.245	1.245	(0.288)	7158	2.50000	2.072
9 Chloromethane	50	1.361	1.361	(0.315)	15523	2.50000	2.706
10 Vinyl Chloride	62	1.440	1.440	(0.333)	11024	2.50000	2.244
11 Bromomethane	94	1.635	1.635	(0.378)	7533	2.50000	2.509
12 Chloroethane	64	1.744	1.744	(0.403)	6186	2.50000	1.990
13 Trichlorofluoromethane	101	1.866	1.866	(0.432)	9616	2.50000	2.093
15 Acrolein	56	2.079	2.079	(0.481)	13371	25.0000	25.800
16 Acetone	43	2.194	2.194	(0.508)	23041	5.00000	2.241(M)
17 1,1-Dichloroethene	96	2.237	2.237	(0.517)	6376	2.50000	2.407
18 Freon-113	151	2.225	2.225	(0.515)	840	2.50000	2.492

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126992.D
Report Date: 28-May-2004 16:18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.353	2.353	(0.544)	11098	2.50000	2.120
	20 Carbon Disulfide	76	2.389	2.389	(0.553)	27469	2.50000	2.307
	21 Methylene Chloride	84	2.596	2.596	(0.600)	8447	2.50000	2.127
	22 Acetonitrile	41	2.407	2.407	(0.557)	13056	25.0000	23.915
	23 Acrylonitrile	53	2.663	2.663	(0.616)	32496	25.0000	22.952
	24 Methyl tert-butyl ether	73	2.693	2.693	(0.623)	23900	2.50000	2.331
	25 trans-1,2-Dichloroethene	96	2.693	2.693	(0.623)	7877	2.50000	2.242
	26 Hexane	57	2.900	2.900	(0.671)	6523	2.50000	2.267
	27 Vinyl acetate	43	3.028	3.028	(0.700)	13738	2.50000	2.509
	28 1,1-Dichloroethane	63	2.997	2.997	(0.693)	13229	2.50000	2.298
	29 tert-Butyl Alcohol	59	2.578	2.578	(0.596)	13967	50.0000	42.658
	30 2-Butanone	43	3.435	3.435	(0.795)	16963	5.00000	6.293
M	31 1,2-Dichloroethene (total)	96				16124	5.00000	4.465
	32 cis-1,2-dichloroethene	96	3.435	3.435	(0.795)	8247	2.50000	2.222
	33 2,2-Dichloropropane	77	3.423	3.423	(0.792)	4490	2.50000	2.222
	34 Bromochloromethane	128	3.606	3.606	(0.834)	3849	2.50000	2.122
	35 Chloroform	83	3.667	3.667	(0.848)	13396	2.50000	2.318
	36 Tetrahydrofuran	42	3.654	3.654	(0.845)	4816	2.50000	2.106
	37 1,1,1-Trichloroethane	97	3.819	3.819	(0.883)	9561	2.50000	2.068
	38 1,1-Dichloropropene	75	3.953	3.953	(0.914)	10107	2.50000	2.286
	39 Carbon Tetrachloride	117	3.959	3.959	(0.916)	7801	2.50000	2.092
	40 1,2-Dichloroethane	62	4.117	4.117	(0.952)	10918	2.50000	2.334
	41 Benzene	78	4.105	4.105	(0.949)	43201	2.50000	2.796
	42 Trichloroethene	130	4.622	4.622	(1.069)	9383	2.50000	2.344
	43 1,2-Dichloropropane	63	4.798	4.798	(1.110)	8008	2.50000	2.367
	44 1,4-Dioxane	88	4.926	4.926	(1.139)	2369	125.000	7.025
	45 Dibromomethane	93	4.889	4.889	(1.131)	4602	2.50000	2.258
	46 Bromodichloromethane	83	5.023	5.023	(1.162)	9203	2.50000	2.150
	47 2-Chloroethyl vinyl ether	63	5.279	5.279	(1.221)	5110	5.00000	3.864
	48 cis-1,3-Dichloropropene	75	5.407	5.407	(1.250)	12983	2.50000	2.314
	49 4-Methyl-2-pentanone	43	5.534	5.534	(1.280)	21175	5.00000	5.055
	50 Toluene	91	5.692	5.692	(0.824)	40124	2.50000	2.490
	51 trans-1,3-Dichloropropene	75	5.875	5.875	(0.850)	10993	2.50000	2.110
	52 Ethyl Methacrylate	69	5.966	5.966	(0.864)	12175	2.50000	2.312
	53 1,1,2-Trichloroethane	97	6.039	6.039	(0.874)	7270	2.50000	2.179
	54 1,3-Dichloropropane	76	6.185	6.185	(0.895)	15438	2.50000	2.471
	55 Tetrachloroethene	164	6.167	6.167	(0.893)	7173	2.50000	2.331
	56 2-Hexanone	43	6.264	6.264	(0.907)	16445	5.00000	4.645
	57 Dibromochloromethane	129	6.386	6.386	(0.924)	7145	2.50000	2.162
	58 1,2-Dibromoethane	107	6.489	6.489	(0.939)	8490	2.50000	2.374
	59 Chlorobenzene	112	6.934	6.934	(1.004)	26262	2.50000	2.357
	60 1,1,1,2-Tetrachloroethane	131	7.007	7.007	(1.014)	8212	2.50000	2.224
	61 Ethylbenzene	106	7.037	7.037	(1.018)	13503	2.50000	2.397
	62 m + p-Xylene	106	7.146	7.146	(1.034)	32660	5.00000	4.576
M	63 Xylenes (total)	106				48461	7.50000	6.833
	64 Xylene-o	106	7.511	7.511	(1.087)	15801	2.50000	2.257
	65 Styrene	104	7.524	7.524	(1.089)	24672	2.50000	1.984

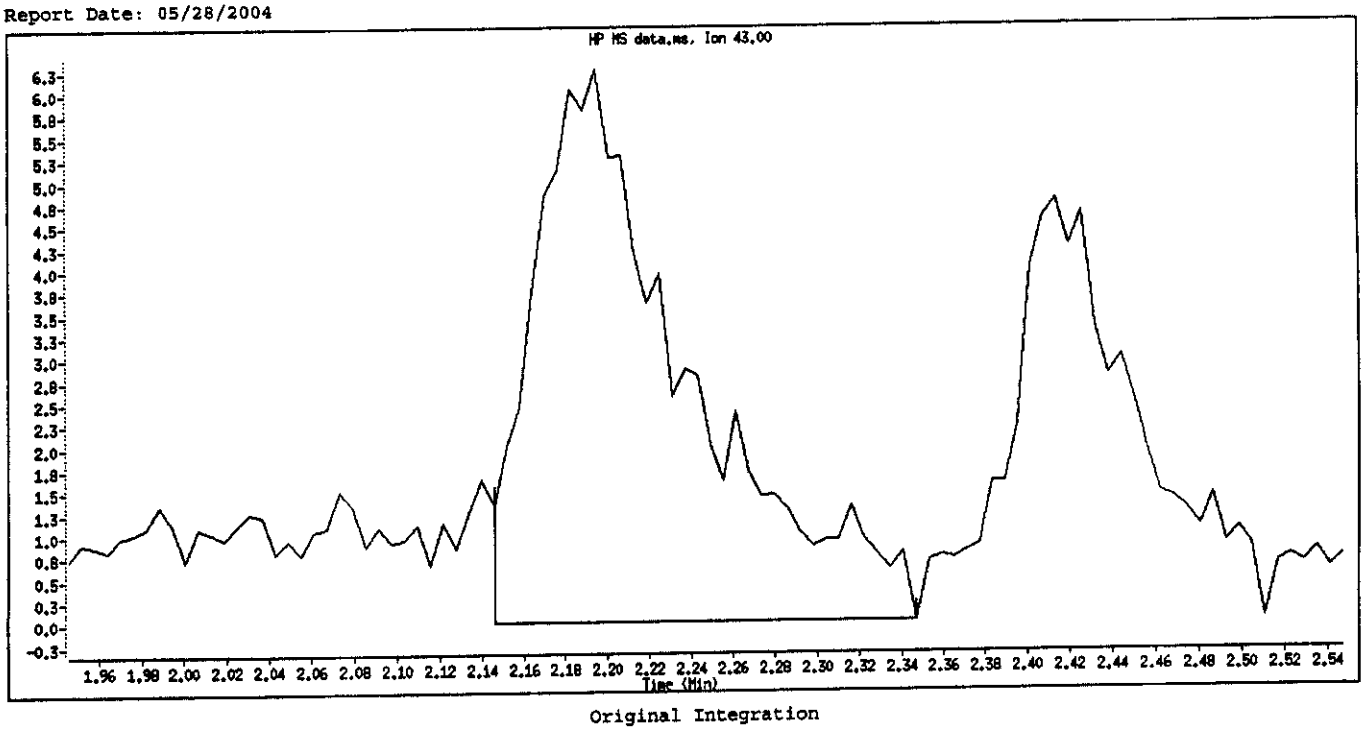
Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126992.D
Report Date: 28-May-2004 16:18

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	7.688	7.688	(1.113)	4264	2.50000	7.061
67 Isopropylbenzene	105	7.864	7.864	(1.138)	34713	2.50000	2.333
68 1,1,2,2-Tetrachloroethane	83	8.144	8.144	(0.894)	10421	2.50000	2.389
69 1,4-Dichloro-2-butene	53	8.199	8.199	(0.900)	2366	2.50000	4.653
70 1,2,3-Trichloropropane	110	8.175	8.175	(0.898)	3987	2.50000	2.387
71 Bromobenzene	156	8.138	8.138	(0.894)	12031	2.50000	2.448
72 n-Propylbenzene	120	8.254	8.254	(0.906)	8820	2.50000	2.263
73 2-Chlorotoluene	126	8.327	8.327	(0.914)	8948	2.50000	2.275
74 1,3,5-Trimethylbenzene	105	8.424	8.424	(0.925)	25433	2.50000	2.230
75 4-Chlorotoluene	126	8.430	8.430	(0.926)	10022	2.50000	2.388
76 tert-Butylbenzene	119	8.728	8.728	(0.959)	22702	2.50000	2.388
77 1,2,4-Trimethylbenzene	105	8.777	8.777	(0.964)	27665	2.50000	2.306
78 sec-Butylbenzene	105	8.947	8.947	(0.983)	28670	2.50000	2.301
79 4-Isopropyltoluene	119	9.087	9.087	(0.998)	25063	2.50000	2.332
80 1,3-Dichlorobenzene	146	9.045	9.045	(0.993)	18568	2.50000	2.335
81 1,4-Dichlorobenzene	146	9.130	9.130	(1.003)	20786	2.50000	2.431
82 n-Butylbenzene	91	9.489	9.489	(1.042)	19237	2.50000	2.271
83 1,2-Dichlorobenzene	146	9.489	9.489	(1.042)	19169	2.50000	2.435
84 1,2-Dibromo-3-chloropropane	157	10.249	10.249	(1.126)	1437	2.50000	4.726
85 1,2,4-Trichlorobenzene	180	11.070	11.070	(1.216)	7864	2.50000	2.439
86 Hexachlorobutadiene	225	11.247	11.247	(1.235)	3851	2.50000	2.596
87 Naphthalene	128	11.302	11.302	(1.241)	15020	2.50000	5.741
88 1,2,3-Trichlorobenzene	180	11.539	11.539	(1.267)	5129	2.50000	2.350
98 Cyclohexane	56	3.873	3.873	(0.896)	6955	2.50000	1.483
143 Methyl Acetate	43	2.413	2.413	(0.558)	17189	5.00000	5.492
144 Methylcyclohexane	83	4.780	4.780	(1.106)	8283	2.50000	2.261
141 1,3,5-Trichlorobenzene	180	10.456	10.456	(1.148)	9111	2.50000	2.305

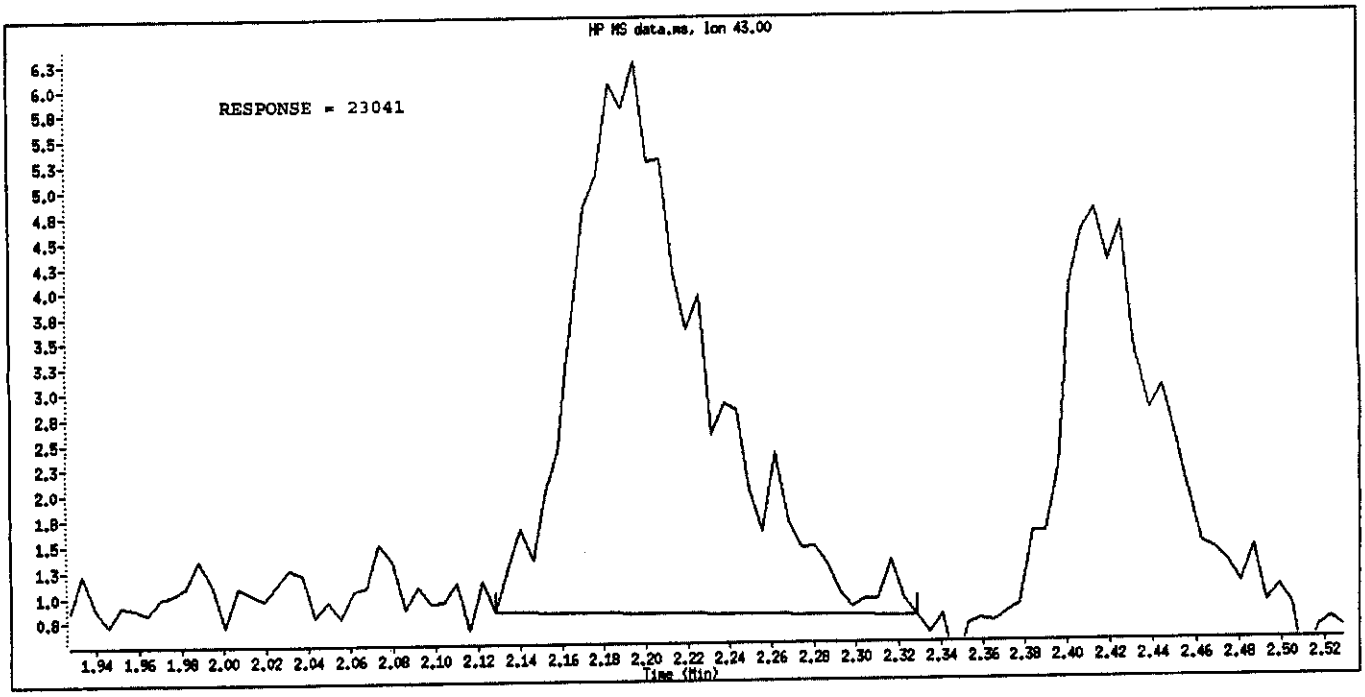
QC Flag Legend

M - Compound response manually integrated.

Data File Name: UX126992.D
Inj. Date and Time: 27-MAY-2004 22:05
Instrument ID: a3ux12.i
Client ID:
Compound Name: Acetone
CAS #: 67-64-1
Report Date: 05/28/2004



Original Integration

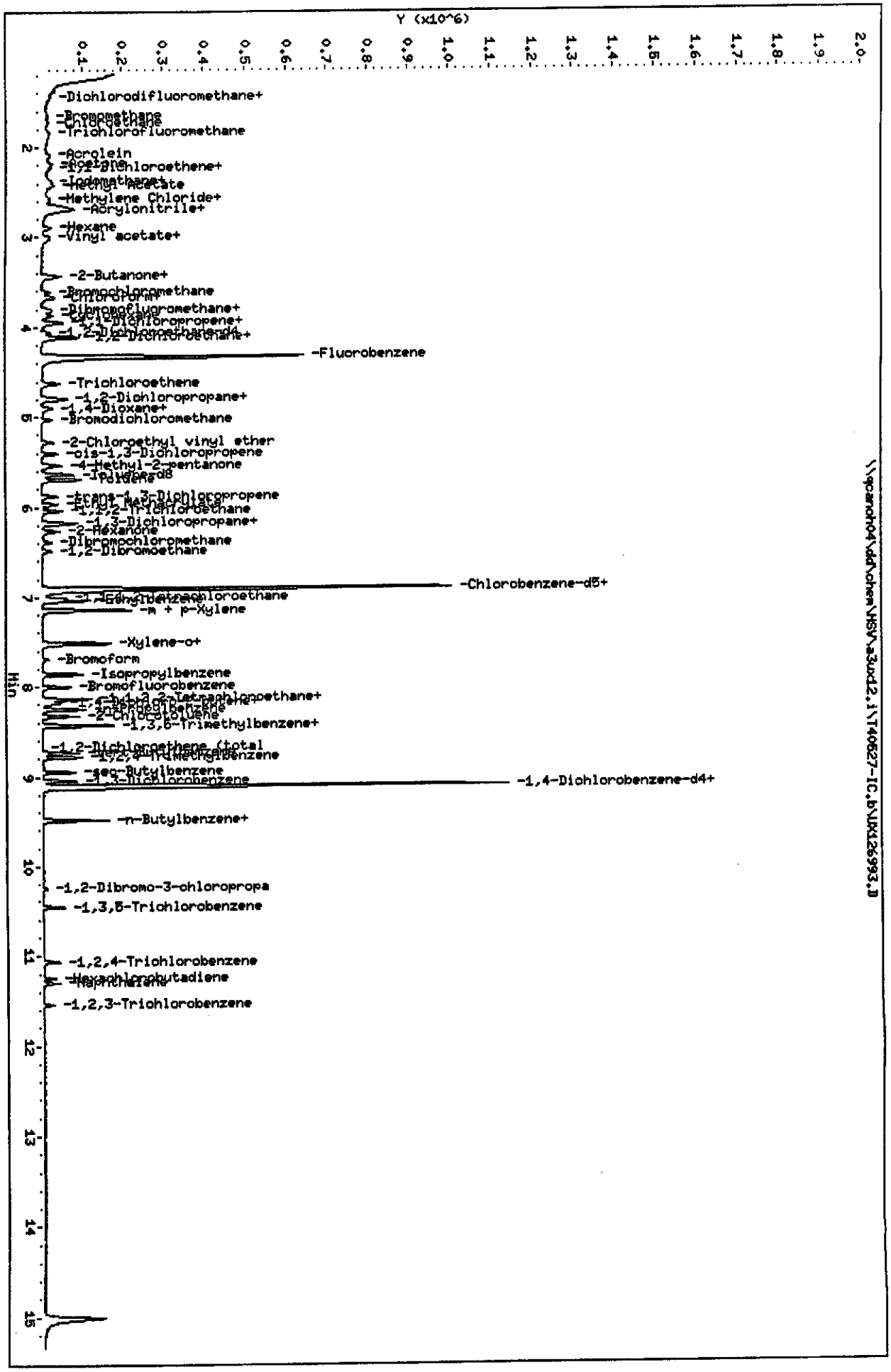


Manual Integration

Manually Integrated By: LaveyT
Manual Integration Reason: Poor Chromatography

Data File: \\qcanoh04\dd\chem\HSV\a3ux12.i\T40627-IC.b\UX126993.D
Date : 27-MAY-2004 22:28
Client ID:
Sample Info: 5NC-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126993.D
Report Date: 28-May-2004 16:19

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126993.D
Lab Smp Id: 5NG-IC
Inj Date : 27-MAY-2004 22:28
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 5NG-IC
Misc Info : T40528-IC,8260LLUX12,2-8260.SUB,1903,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\8260LLUX12.m
Meth Date : 28-May-2004 16:19 laveyt Quant Type: ISTD
Cal Date : 27-MAY-2004 22:05 Cal File: UX126992.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV04

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	4.324	4.324	(1.000)	692398	50.0000	
* 2 Chlorobenzene-d5	117	6.909	6.909	(1.000)	586524	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.105	9.105	(1.000)	301821	50.0000	
$ 4 Dibromofluoromethane	113	3.801	3.801	(0.879)	13363	5.00000	4.588
$ 5 1,2-Dichloroethane-d4	65	4.056	4.056	(0.938)	16628	5.00000	4.534
$ 6 Toluene-d8	98	5.638	5.638	(0.816)	57131	5.00000	4.727
$ 7 Bromofluorobenzene	95	7.998	7.998	(1.158)	23349	5.00000	4.612
8 Dichlorodifluoromethane	85	1.264	1.264	(0.292)	14104	5.00000	4.106
9 Chloromethane	50	1.361	1.361	(0.315)	26749	5.00000	4.688
10 Vinyl Chloride	62	1.446	1.446	(0.335)	21464	5.00000	4.394
11 Bromomethane	94	1.647	1.647	(0.381)	15385	5.00000	5.153
12 Chloroethane	64	1.720	1.720	(0.398)	14255	5.00000	4.612
13 Trichlorofluoromethane	101	1.860	1.860	(0.430)	19915	5.00000	4.360
15 Acrolein	56	2.079	2.079	(0.481)	24701	50.0000	47.928
16 Acetone	43	2.188	2.188	(0.506)	30737	10.0000	6.765
17 1,1-Dichloroethene	96	2.225	2.225	(0.515)	14881	5.00000	4.652
18 Freon-113	151	2.237	2.237	(0.517)	5300	5.00000	4.208

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126993.D
Report Date: 28-May-2004 16:19

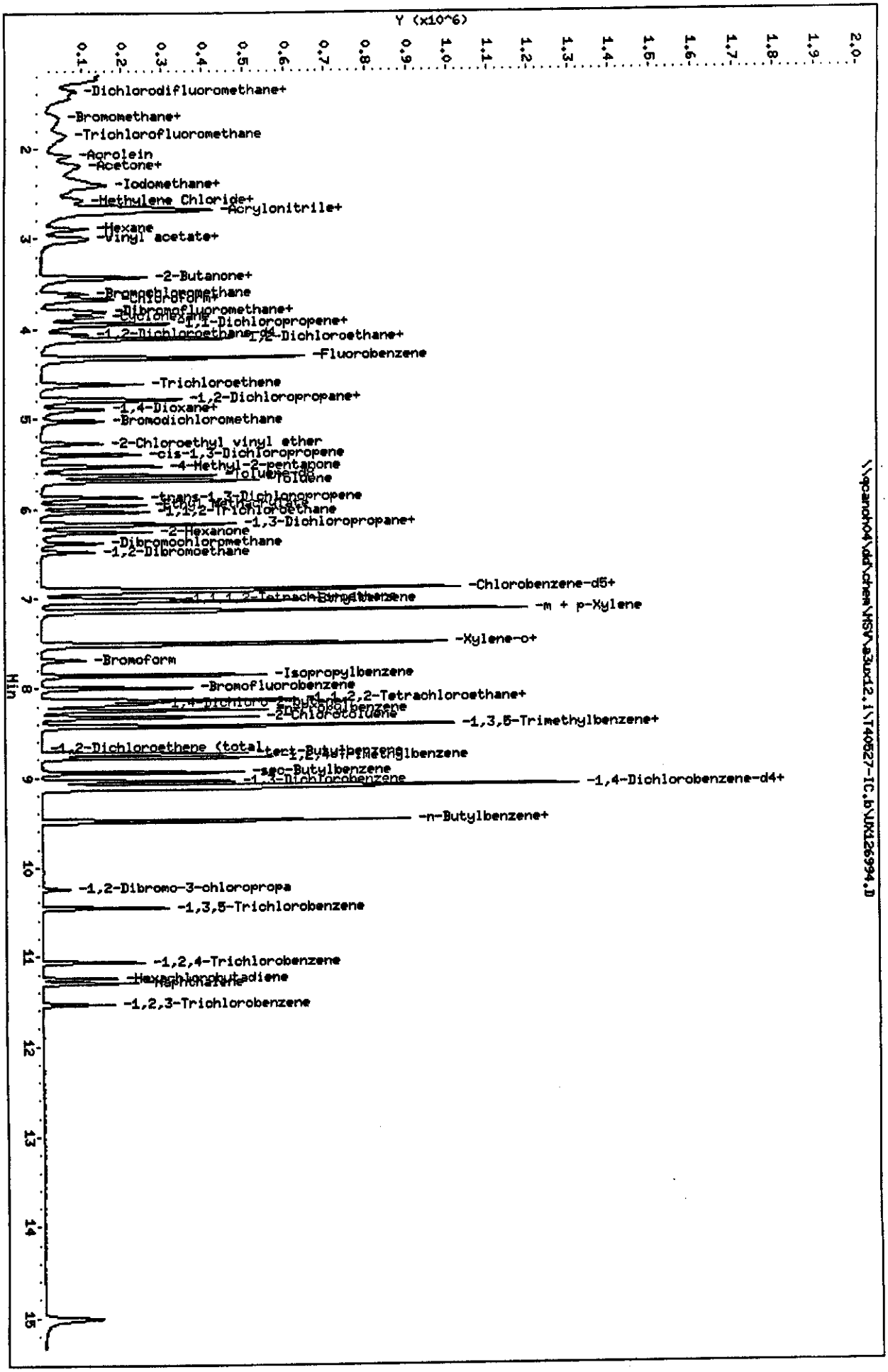
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 Iodomethane	142	2.371	2.371	(0.548)	21917	5.00000	4.210
20 Carbon Disulfide	76	2.383	2.383	(0.551)	52798	5.00000	4.460
21 Methylene Chloride	84	2.566	2.566	(0.593)	21791	5.00000	5.518
22 Acetonitrile	41	2.389	2.389	(0.553)	22922	50.0000	42.222
23 Acrylonitrile	53	2.669	2.669	(0.617)	65263	50.0000	46.352
24 Methyl tert-butyl ether	73	2.693	2.693	(0.623)	47206	5.00000	4.630
25 trans-1,2-Dichloroethene	96	2.699	2.699	(0.624)	16359	5.00000	4.683
26 Hexane	57	2.888	2.888	(0.668)	13132	5.00000	4.590
27 Vinyl acetate	43	3.028	3.028	(0.700)	27053	5.00000	4.969
28 1,1-Dichloroethane	63	2.991	2.991	(0.692)	27369	5.00000	4.782
29 tert-Butyl Alcohol	59	2.584	2.584	(0.598)	29309	100.000	90.015
30 2-Butanone	43	3.448	3.448	(0.797)	26940	10.0000	10.050
M 31 1,2-Dichloroethene (total)	96				34294	10.0000	9.543
32 cis-1,2-dichloroethene	96	3.429	3.429	(0.793)	17935	5.00000	4.860
33 2,2-Dichloropropane	77	3.429	3.429	(0.793)	9486	5.00000	4.722
34 Bromochloromethane	128	3.612	3.612	(0.835)	8156	5.00000	4.521
35 Chloroform	83	3.673	3.673	(0.849)	26686	5.00000	4.644
36 Tetrahydrofuran	42	3.655	3.655	(0.845)	8397	5.00000	5.212
37 1,1,1-Trichloroethane	97	3.825	3.825	(0.885)	18884	5.00000	4.108
38 1,1-Dichloropropene	75	3.947	3.947	(0.913)	20570	5.00000	4.679
39 Carbon Tetrachloride	117	3.947	3.947	(0.913)	15934	5.00000	4.297
40 1,2-Dichloroethane	62	4.117	4.117	(0.952)	21480	5.00000	4.617
41 Benzene	78	4.111	4.111	(0.951)	78754	5.00000	5.125
42 Trichloroethene	130	4.628	4.628	(1.070)	18941	5.00000	4.758
43 1,2-Dichloropropane	63	4.798	4.798	(1.110)	16067	5.00000	4.776
44 1,4-Dioxane	88	4.920	4.920	(1.138)	7213	250.000	133.74
45 Dibromomethane	93	4.902	4.902	(1.134)	9646	5.00000	4.759
46 Bromodichloromethane	83	5.023	5.023	(1.162)	19209	5.00000	4.514
47 2-Chloroethyl vinyl ether	63	5.279	5.279	(1.221)	12617	10.0000	9.595
48 cis-1,3-Dichloropropene	75	5.401	5.401	(1.249)	24474	5.00000	4.386
49 4-Methyl-2-pentanone	43	5.534	5.534	(1.280)	38236	10.0000	9.179
50 Toluene	91	5.693	5.693	(0.824)	74611	5.00000	4.692
51 trans-1,3-Dichloropropene	75	5.881	5.881	(0.851)	22534	5.00000	4.383
52 Ethyl Methacrylate	69	5.966	5.966	(0.864)	21557	5.00000	4.149
53 1,1,2-Trichloroethane	97	6.039	6.039	(0.874)	15717	5.00000	4.775
54 1,3-Dichloropropane	76	6.185	6.185	(0.895)	29795	5.00000	4.834
55 Tetrachloroethene	164	6.173	6.173	(0.893)	14226	5.00000	4.686
56 2-Hexanone	43	6.264	6.264	(0.907)	31461	10.0000	9.008
57 Dibromochloromethane	129	6.386	6.386	(0.924)	13855	5.00000	4.250
58 1,2-Dibromoethane	107	6.490	6.490	(0.939)	16253	5.00000	4.608
59 Chlorobenzene	112	6.934	6.934	(1.004)	52158	5.00000	4.746
60 1,1,1,2-Tetrachloroethane	131	7.007	7.007	(1.014)	16584	5.00000	4.552
61 Ethylbenzene	106	7.037	7.037	(1.018)	25808	5.00000	4.644
62 m + p-Xylene	106	7.147	7.147	(1.034)	65961	10.0000	9.368
M 63 Xylenes (total)	106				97402	15.0000	13.921
64 Xylene-o	106	7.512	7.512	(1.087)	31441	5.00000	4.552
65 Styrene	104	7.524	7.524	(1.089)	53344	5.00000	4.348

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126993.D
Report Date: 28-May-2004 16:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	7.688	7.688	(1.113)	8292	5.00000	8.514
67 Isopropylbenzene	105	7.858	7.858	(1.137)	66823	5.00000	4.552
68 1,1,2,2-Tetrachloroethane	83	8.144	8.144	(0.894)	21323	5.00000	4.868
69 1,4-Dichloro-2-butene	53	8.199	8.199	(0.900)	4764	5.00000	6.394
70 1,2,3-Trichloropropane	110	8.187	8.187	(0.899)	8558	5.00000	5.101
71 Bromobenzene	156	8.138	8.138	(0.894)	23716	5.00000	4.804
72 n-Propylbenzene	120	8.254	8.254	(0.906)	17874	5.00000	4.566
73 2-Chlorotoluene	126	8.327	8.327	(0.914)	19177	5.00000	4.855
74 1,3,5-Trimethylbenzene	105	8.424	8.424	(0.925)	52012	5.00000	4.541
75 4-Chlorotoluene	126	8.430	8.430	(0.926)	19992	5.00000	4.742
76 tert-Butylbenzene	119	8.734	8.734	(0.959)	45185	5.00000	4.733
77 1,2,4-Trimethylbenzene	105	8.783	8.783	(0.965)	54253	5.00000	4.503
78 sec-Butylbenzene	105	8.947	8.947	(0.983)	56360	5.00000	4.503
79 4-Isopropyltoluene	119	9.093	9.093	(0.999)	47635	5.00000	4.413
80 1,3-Dichlorobenzene	146	9.045	9.045	(0.993)	39694	5.00000	4.971
81 1,4-Dichlorobenzene	146	9.130	9.130	(1.003)	42493	5.00000	4.948
82 n-Butylbenzene	91	9.489	9.489	(1.042)	37067	5.00000	4.357
83 1,2-Dichlorobenzene	146	9.489	9.489	(1.042)	38187	5.00000	4.830
84 1,2-Dibromo-3-chloropropane	157	10.243	10.243	(1.125)	3478	5.00000	6.989
85 1,2,4-Trichlorobenzene	180	11.064	11.064	(1.215)	14450	5.00000	4.462
86 Hexachlorobutadiene	225	11.247	11.247	(1.235)	7052	5.00000	4.734
87 Naphthalene	128	11.296	11.296	(1.241)	30270	5.00000	7.414
88 1,2,3-Trichlorobenzene	180	11.539	11.539	(1.267)	9588	5.00000	4.374
98 Cyclohexane	56	3.868	3.868	(0.894)	19267	5.00000	4.127
143 Methyl Acetate	43	2.414	2.414	(0.558)	30910	10.0000	9.931
144 Methylcyclohexane	83	4.786	4.786	(1.107)	18113	5.00000	4.973
141 1,3,5-Trichlorobenzene	180	10.462	10.462	(1.149)	18731	5.00000	4.718

Data File: \\qcanch04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126994.D
Date : 27-MAY-2004 22:51
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



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Report Date: 28-May-2004 16:19

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126994.D
Lab Smp Id: 25NG-IC
Inj Date : 27-MAY-2004 22:51 Inst ID: a3ux12.i
Operator : 1903
Smp Info : 25NG-IC
Misc Info : T40528-IC,8260LLUX12,2-8260.SUB,1903,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\8260LLUX12.m
Meth Date : 28-May-2004 16:19 laveyt Quant Type: ISTD
Cal Date : 27-MAY-2004 22:05 Cal File: UX126992.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV04

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	4.324	4.324	(1.000)	691994	50.0000	
* 2 Chlorobenzene-d5	117	6.909	6.909	(1.000)	582851	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.105	9.105	(1.000)	307908	50.0000	
$ 4 Dibromofluoromethane	113	3.794	3.794	(0.878)	73866	25.0000	25.375
$ 5 1,2-Dichloroethane-d4	65	4.056	4.056	(0.938)	93748	25.0000	25.577
$ 6 Toluene-d8	98	5.632	5.632	(0.815)	304000	25.0000	25.313
$ 7 Bromofluorobenzene	95	7.998	7.998	(1.158)	126458	25.0000	25.137
8 Dichlorodifluoromethane	85	1.251	1.251	(0.290)	91838	25.0000	26.755
9 Chloromethane	50	1.367	1.367	(0.316)	145073	25.0000	25.442
10 Vinyl Chloride	62	1.434	1.434	(0.332)	125877	25.0000	25.787
11 Bromomethane	94	1.653	1.653	(0.382)	74361	25.0000	24.919
12 Chloroethane	64	1.732	1.732	(0.401)	82824	25.0000	26.814
13 Trichlorofluoromethane	101	1.872	1.872	(0.433)	122345	25.0000	26.799
15 Acrolein	56	2.079	2.079	(0.481)	134354	250.000	260.84
16 Acetone	43	2.188	2.188	(0.506)	105608	50.0000	50.098
17 1,1-Dichloroethene	96	2.207	2.207	(0.510)	91496	25.0000	24.805
18 Freon-113	151	2.225	2.225	(0.515)	58438	25.0000	24.652

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126994.D
Report Date: 28-May-2004 16:19

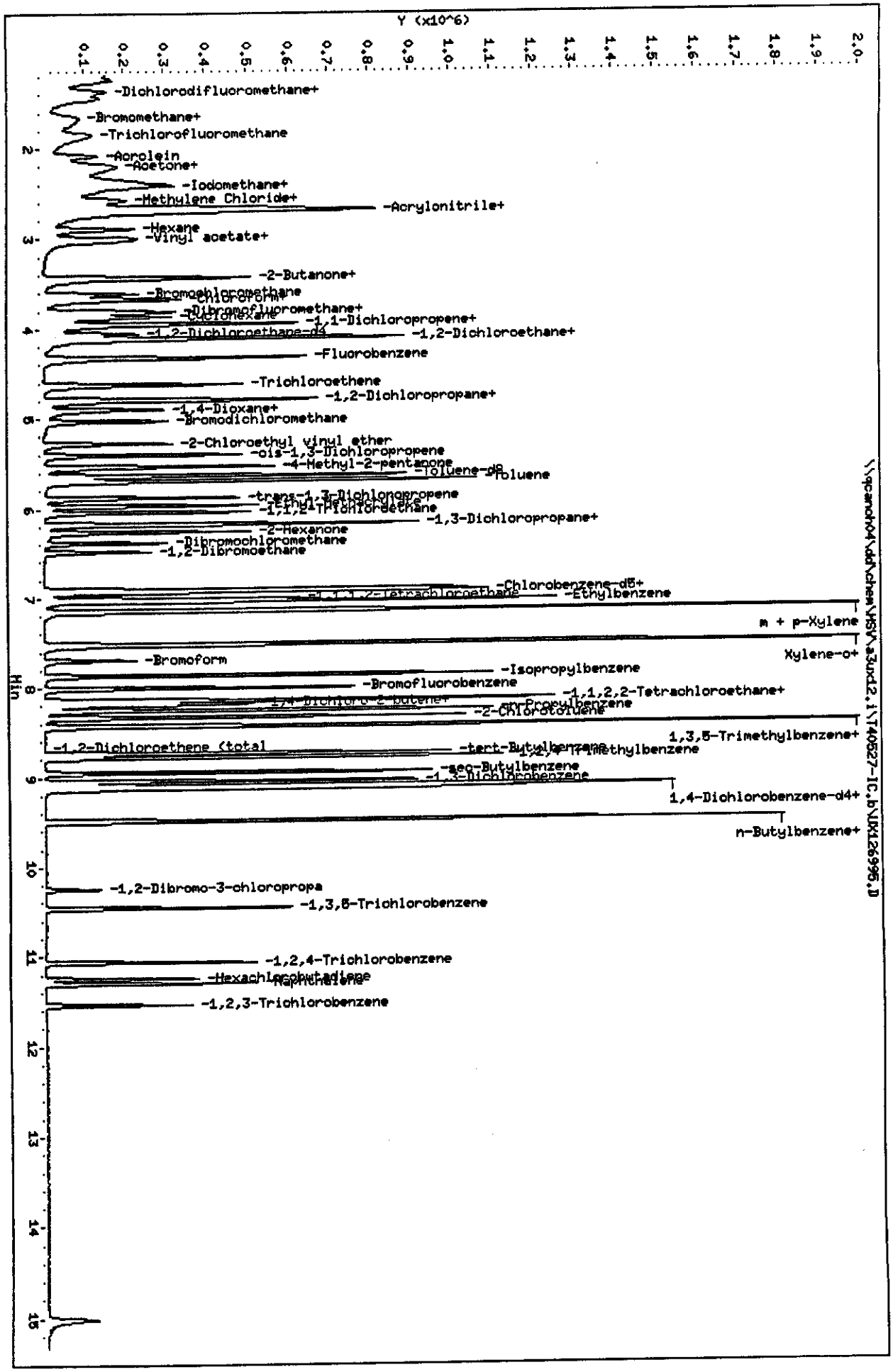
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 Iodomethane	142	2.359	2.359	(0.546)	134741	25.0000	25.901
20 Carbon Disulfide	76	2.377	2.377	(0.550)	308396	25.0000	26.065
21 Methylene Chloride	84	2.596	2.596	(0.600)	103569	25.0000	26.241
22 Acetonitrile	41	2.401	2.401	(0.555)	153715	250.000	283.30
23 Acrylonitrile	53	2.663	2.663	(0.616)	371575	250.000	264.06
24 Methyl tert-butyl ether	73	2.693	2.693	(0.623)	260110	25.0000	25.527
25 trans-1,2-Dichloroethene	96	2.693	2.693	(0.623)	87837	25.0000	25.158
26 Hexane	57	2.894	2.894	(0.669)	71421	25.0000	24.976
27 Vinyl acetate	43	3.028	3.028	(0.700)	134680	25.0000	24.753
28 1,1-Dichloroethane	63	2.997	2.997	(0.693)	149734	25.0000	26.175
29 tert-Butyl Alcohol	59	2.572	2.572	(0.595)	174673	500.000	536.78
30 2-Butanone	43	3.442	3.442	(0.796)	135890	50.0000	50.721
M 31 1,2-Dichloroethene (total)	96				185390	50.0000	51.611
32 cis-1,2-dichloroethene	96	3.435	3.435	(0.795)	97553	25.0000	26.453
33 2,2-Dichloropropane	77	3.429	3.429	(0.793)	49442	25.0000	24.624
34 Bromochloromethane	128	3.612	3.612	(0.835)	48365	25.0000	26.826
35 Chloroform	83	3.673	3.673	(0.849)	152660	25.0000	26.579
36 Tetrahydrofuran	42	3.654	3.654	(0.845)	32456	25.0000	25.946
37 1,1,1-Trichloroethane	97	3.819	3.819	(0.883)	122175	25.0000	26.595
38 1,1-Dichloropropene	75	3.947	3.947	(0.913)	113856	25.0000	25.915
39 Carbon Tetrachloride	117	3.953	3.953	(0.914)	88798	25.0000	23.963
40 1,2-Dichloroethane	62	4.117	4.117	(0.952)	123799	25.0000	26.626
41 Benzene	78	4.111	4.111	(0.951)	375219	25.0000	24.432
42 Trichloroethene	130	4.622	4.622	(1.069)	102808	25.0000	25.838
43 1,2-Dichloropropane	63	4.798	4.798	(1.110)	87267	25.0000	25.954
44 1,4-Dioxane	88	4.926	4.926	(1.139)	53558	1250.00	1343.6(A)
45 Dibromomethane	93	4.896	4.896	(1.132)	51894	25.0000	25.619
46 Bromodichloromethane	83	5.029	5.029	(1.163)	111353	25.0000	26.180
47 2-Chloroethyl vinyl ether	63	5.279	5.279	(1.221)	68942	50.0000	52.459
48 cis-1,3-Dichloropropene	75	5.400	5.400	(1.249)	142782	25.0000	25.602
49 4-Methyl-2-pentanone	43	5.534	5.534	(1.280)	217352	50.0000	52.206
50 Toluene	91	5.692	5.692	(0.824)	393721	25.0000	24.918
51 trans-1,3-Dichloropropene	75	5.881	5.881	(0.851)	131806	25.0000	25.800
52 Ethyl Methacrylate	69	5.966	5.966	(0.864)	133632	25.0000	25.880
53 1,1,2-Trichloroethane	97	6.039	6.039	(0.874)	87003	25.0000	26.600
54 1,3-Dichloropropane	76	6.185	6.185	(0.895)	153577	25.0000	25.071
55 Tetrachloroethene	164	6.173	6.173	(0.893)	77492	25.0000	25.685
56 2-Hexanone	43	6.264	6.264	(0.907)	183131	50.0000	52.766
57 Dibromochloromethane	129	6.386	6.386	(0.924)	82847	25.0000	25.571
58 1,2-Dibromoethane	107	6.483	6.483	(0.938)	89964	25.0000	25.664
59 Chlorobenzene	112	6.934	6.934	(1.004)	281731	25.0000	25.795
60 1,1,1,2-Tetrachloroethane	131	7.007	7.007	(1.014)	91227	25.0000	25.201
61 Ethylbenzene	106	7.037	7.037	(1.018)	141931	25.0000	25.702
62 m + p-Xylene	106	7.146	7.146	(1.034)	355341	50.0000	50.788
M 63 Xylenes (total)	106				530835	75.0000	76.359
64 Xylene-o	106	7.511	7.511	(1.087)	175494	25.0000	25.571
65 Styrene	104	7.524	7.524	(1.089)	320457	25.0000	26.286

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126994.D
Report Date: 28-May-2004 16:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	7.688	7.688	(1.113)	54049	25.0000	24.906
67 Isopropylbenzene	105	7.858	7.858	(1.137)	373297	25.0000	25.591
68 1,1,2,2-Tetrachloroethane	83	8.144	8.144	(0.894)	117547	25.0000	26.306
69 1,4-Dichloro-2-butene	53	8.199	8.199	(0.900)	31453	25.0000	25.406
70 1,2,3-Trichloropropane	110	8.181	8.181	(0.898)	44405	25.0000	25.946
71 Bromobenzene	156	8.138	8.138	(0.894)	129688	25.0000	25.754
72 n-Propylbenzene	120	8.254	8.254	(0.906)	104238	25.0000	26.100
73 2-Chlorotoluene	126	8.327	8.327	(0.914)	105158	25.0000	26.095
74 1,3,5-Trimethylbenzene	105	8.424	8.424	(0.925)	305698	25.0000	26.160
75 4-Chlorotoluene	126	8.430	8.430	(0.926)	109521	25.0000	25.465
76 tert-Butylbenzene	119	8.734	8.734	(0.959)	251065	25.0000	25.779
77 1,2,4-Trimethylbenzene	105	8.783	8.783	(0.965)	317329	25.0000	25.816
78 sec-Butylbenzene	105	8.947	8.947	(0.983)	328347	25.0000	25.718
79 4-Isopropyltoluene	119	9.093	9.093	(0.999)	282721	25.0000	25.673
80 1,3-Dichlorobenzene	146	9.045	9.045	(0.993)	209085	25.0000	25.665
81 1,4-Dichlorobenzene	146	9.130	9.130	(1.003)	224693	25.0000	25.648
82 n-Butylbenzene	91	9.489	9.489	(1.042)	219571	25.0000	25.299
83 1,2-Dichlorobenzene	146	9.489	9.489	(1.042)	205596	25.0000	25.493
84 1,2-Dibromo-3-chloropropane	157	10.243	10.243	(1.125)	20064	25.0000	24.989
85 1,2,4-Trichlorobenzene	180	11.064	11.064	(1.215)	81631	25.0000	24.707
86 Hexachlorobutadiene	225	11.247	11.247	(1.235)	38845	25.0000	25.560
87 Naphthalene	128	11.295	11.295	(1.241)	187154	25.0000	24.290
88 1,2,3-Trichlorobenzene	180	11.539	11.539	(1.267)	56310	25.0000	25.181
98 Cyclohexane	56	3.867	3.867	(0.894)	114423	25.0000	24.512
143 Methyl Acetate	43	2.413	2.413	(0.558)	160626	50.0000	51.640
144 Methylcyclohexane	83	4.786	4.786	(1.107)	89419	25.0000	24.564
141 1,3,5-Trichlorobenzene	180	10.462	10.462	(1.149)	104787	25.0000	25.874

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3uxl2.i
Operator: 1903
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane
-Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-1,4-Dichloro-2-butene+
-n-Propylbenzene
-2-Chlorotoluene
1,3,5-Trimethylbenzene+
-1,2-Dichloroethene (total
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126995.D
Report Date: 28-May-2004 16:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126995.D
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Inj Date : 27-MAY-2004 23:15
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 50NG-IC
Misc Info : T40528-IC,8260LLUX12,2-8260.SUB,1903,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\8260LLUX12.m
Meth Date : 28-May-2004 16:20 laveyt Quant Type: ISTD
Cal Date : 27-MAY-2004 22:05 Cal File: UX126992.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV04

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	4.324	4.324	(1.000)	691028	50.0000	
* 2 Chlorobenzene-d5	117	6.909	6.909	(1.000)	585398	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.105	9.105	(1.000)	312328	50.0000	
$ 4 Dibromofluoromethane	113	3.794	3.794	(0.878)	148914	50.0000	51.228
$ 5 1,2-Dichloroethane-d4	65	4.056	4.056	(0.938)	186282	50.0000	50.895
$ 6 Toluene-d8	98	5.632	5.632	(0.815)	599709	50.0000	49.718
$ 7 Bromofluorobenzene	95	7.998	7.998	(1.158)	252880	50.0000	50.048
8 Dichlorodifluoromethane	85	1.245	1.245	(0.288)	196093	50.0000	57.207
9 Chloromethane	50	1.361	1.361	(0.315)	292481	50.0000	51.365
10 Vinyl Chloride	62	1.434	1.434	(0.332)	262995	50.0000	53.952
11 Bromomethane	94	1.653	1.653	(0.382)	155899	50.0000	52.317
12 Chloroethane	64	1.732	1.732	(0.401)	174951	50.0000	56.720
13 Trichlorofluoromethane	101	1.866	1.866	(0.432)	252857	50.0000	55.464
15 Acrolein	56	2.085	2.085	(0.482)	274820	500.000	534.29
16 Acetone	43	2.188	2.188	(0.506)	187033	100.000	97.365
17 1,1-Dichloroethene	96	2.219	2.219	(0.513)	183741	50.0000	49.135
18 Freon-113	151	2.243	2.243	(0.519)	118288	50.0000	47.740

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126995.D
Report Date: 28-May-2004 16:20

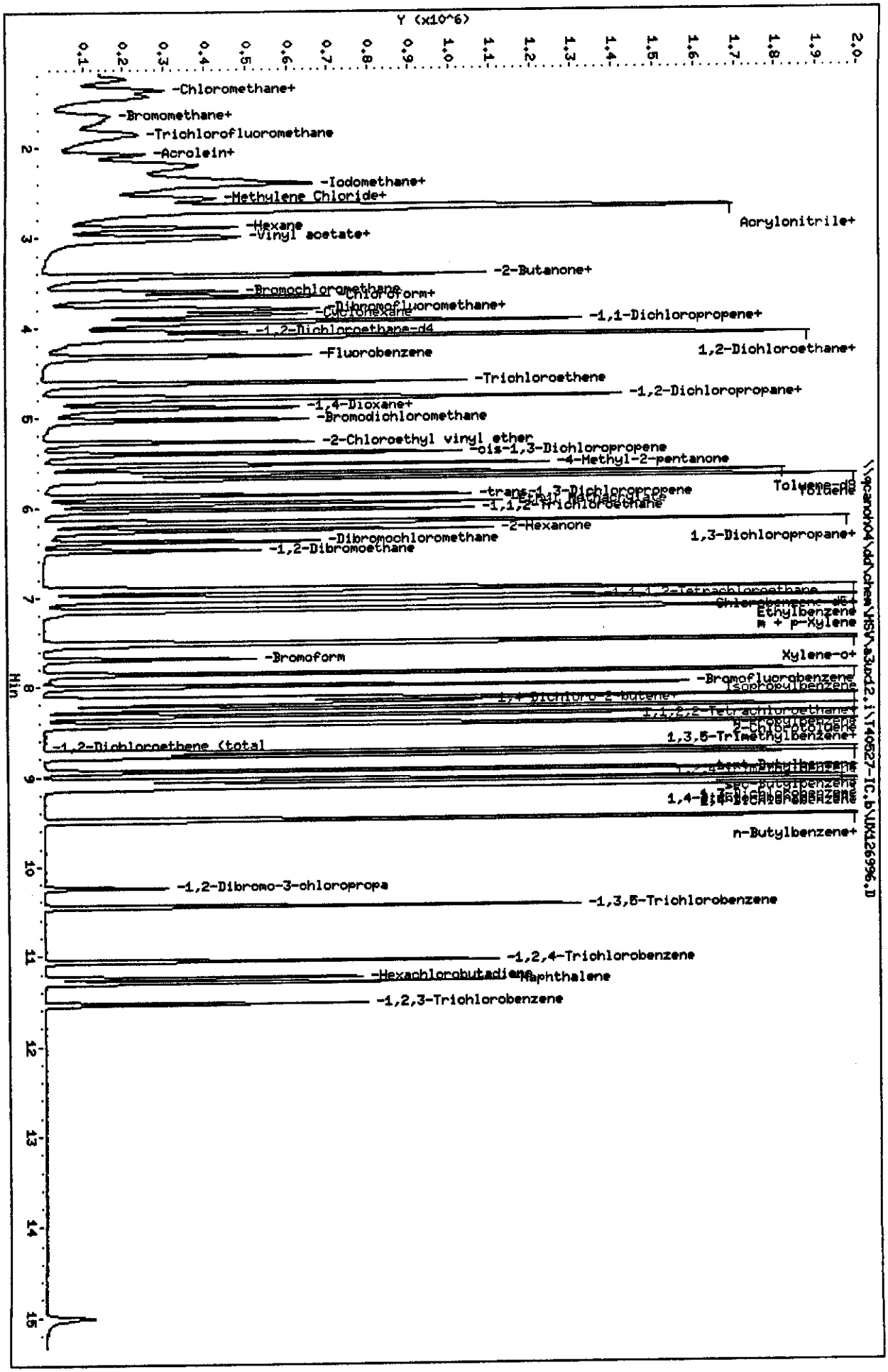
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.365	2.365	(0.547)	274495	50.0000	52.839
	20 Carbon Disulfide	76	2.377	2.377	(0.550)	601791	50.0000	50.934
	21 Methylene Chloride	84	2.602	2.602	(0.602)	199207	50.0000	50.544
	22 Acetonitrile	41	2.383	2.383	(0.551)	283103	500.000	522.50
	23 Acrylonitrile	53	2.657	2.657	(0.615)	714589	500.000	508.54
	24 Methyl tert-butyl ether	73	2.693	2.693	(0.623)	512581	50.0000	50.375
	25 trans-1,2-Dichloroethene	96	2.693	2.693	(0.623)	179951	50.0000	51.614
	26 Hexane	57	2.894	2.894	(0.669)	144546	50.0000	50.618
	27 Vinyl acetate	43	3.028	3.028	(0.700)	278146	50.0000	51.191
	28 1,1-Dichloroethane	63	2.991	2.991	(0.692)	287775	50.0000	50.376
	29 tert-Butyl Alcohol	59	2.572	2.572	(0.595)	336321	1000.00	1035.0(A)
	30 2-Butanone	43	3.436	3.436	(0.795)	232161	100.000	86.776
M	31 1,2-Dichloroethene (total)	96				364632	100.000	101.76
	32 cis-1,2-dichloroethene	96	3.429	3.429	(0.793)	184681	50.0000	50.148
	33 2,2-Dichloropropane	77	3.429	3.429	(0.793)	102400	50.0000	51.070
	34 Bromochloromethane	128	3.612	3.612	(0.835)	93925	50.0000	52.170
	35 Chloroform	83	3.673	3.673	(0.849)	287722	50.0000	50.164
	36 Tetrahydrofuran	42	3.655	3.655	(0.845)	58098	50.0000	48.109
	37 1,1,1-Trichloroethane	97	3.819	3.819	(0.883)	245329	50.0000	53.478
	38 1,1-Dichloropropene	75	3.947	3.947	(0.913)	223458	50.0000	50.933
	39 Carbon Tetrachloride	117	3.953	3.953	(0.914)	197540	50.0000	53.382
	40 1,2-Dichloroethane	62	4.117	4.117	(0.952)	232625	50.0000	50.102
	41 Benzene	78	4.105	4.105	(0.949)	718084	50.0000	46.822
	42 Trichloroethene	130	4.622	4.622	(1.069)	199812	50.0000	50.287
	43 1,2-Dichloropropane	63	4.798	4.798	(1.110)	166873	50.0000	49.699
	44 1,4-Dioxane	88	4.914	4.914	(1.136)	100652	2500.00	2576.7(A)
	45 Dibromomethane	93	4.896	4.896	(1.132)	103917	50.0000	51.374
	46 Bromodichloromethane	83	5.029	5.029	(1.163)	216925	50.0000	51.072
	47 2-Chloroethyl vinyl ether	63	5.279	5.279	(1.221)	136357	100.000	103.90
	48 cis-1,3-Dichloropropene	75	5.401	5.401	(1.249)	281208	50.0000	50.492
	49 4-Methyl-2-pentanone	43	5.534	5.534	(1.280)	410678	100.000	98.780
	50 Toluene	91	5.693	5.693	(0.824)	783792	50.0000	49.390
	51 trans-1,3-Dichloropropene	75	5.881	5.881	(0.851)	260312	50.0000	50.732
	52 Ethyl Methacrylate	69	5.966	5.966	(0.864)	264587	50.0000	51.020
	53 1,1,2-Trichloroethane	97	6.039	6.039	(0.874)	167071	50.0000	50.858
	54 1,3-Dichloropropane	76	6.185	6.185	(0.895)	302398	50.0000	49.151
	55 Tetrachloroethene	164	6.173	6.173	(0.893)	152502	50.0000	50.327
	56 2-Hexanone	43	6.264	6.264	(0.907)	349569	100.000	100.28
	57 Dibromochloromethane	129	6.386	6.386	(0.924)	163573	50.0000	50.268
	58 1,2-Dibromoethane	107	6.483	6.483	(0.938)	178794	50.0000	50.783
	59 Chlorobenzene	112	6.934	6.934	(1.004)	544932	50.0000	49.676
	60 1,1,1,2-Tetrachloroethane	131	7.007	7.007	(1.014)	183323	50.0000	50.422
	61 Ethylbenzene	106	7.037	7.037	(1.018)	275721	50.0000	49.712
	62 m + p-Xylene	106	7.146	7.146	(1.034)	700157	100.000	99.636
M	63 Xylenes (total)	106				1048881	150.000	150.23
	64 Xylene-o	106	7.512	7.512	(1.087)	348724	50.0000	50.591
	65 Styrene	104	7.524	7.524	(1.089)	625028	50.0000	51.047

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126995.D
Report Date: 28-May-2004 16:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	7.688	7.688	(1.113)	110782	50.0000	45.035
67 Isopropylbenzene	105	7.858	7.858	(1.137)	726080	50.0000	49.560
68 1,1,2,2-Tetrachloroethane	83	8.144	8.144	(0.894)	227192	50.0000	50.124
69 1,4-Dichloro-2-butene	53	8.199	8.199	(0.900)	61801	50.0000	46.477
70 1,2,3-Trichloropropane	110	8.181	8.181	(0.898)	86288	50.0000	49.705
71 Bromobenzene	156	8.138	8.138	(0.894)	253565	50.0000	49.641
72 n-Propylbenzene	120	8.254	8.254	(0.906)	205868	50.0000	50.817
73 2-Chlorotoluene	126	8.327	8.327	(0.914)	206195	50.0000	50.443
74 1,3,5-Trimethylbenzene	105	8.424	8.424	(0.925)	596686	50.0000	50.338
75 4-Chlorotoluene	126	8.430	8.430	(0.926)	217272	50.0000	49.803
76 tert-Butylbenzene	119	8.734	8.734	(0.959)	490063	50.0000	49.607
77 1,2,4-Trimethylbenzene	105	8.783	8.783	(0.965)	634777	50.0000	50.910
78 sec-Butylbenzene	105	8.947	8.947	(0.983)	656240	50.0000	50.672
79 4-Isopropyltoluene	119	9.087	9.087	(0.998)	568348	50.0000	50.880
80 1,3-Dichlorobenzene	146	9.045	9.045	(0.993)	407514	50.0000	49.314
81 1,4-Dichlorobenzene	146	9.130	9.130	(1.003)	437063	50.0000	49.183
82 n-Butylbenzene	91	9.489	9.489	(1.042)	450773	50.0000	51.203
83 1,2-Dichlorobenzene	146	9.489	9.489	(1.042)	404481	50.0000	49.444
84 1,2-Dibromo-3-chloropropane	157	10.249	10.249	(1.126)	39155	50.0000	45.191
85 1,2,4-Trichlorobenzene	180	11.064	11.064	(1.215)	168889	50.0000	50.394
86 Hexachlorobutadiene	225	11.247	11.247	(1.235)	77458	50.0000	50.246
87 Naphthalene	128	11.295	11.295	(1.241)	401248	50.0000	46.799
88 1,2,3-Trichlorobenzene	180	11.539	11.539	(1.267)	116559	50.0000	51.385
98 Cyclohexane	56	3.867	3.867	(0.894)	229808	50.0000	49.295
143 Methyl Acetate	43	2.413	2.413	(0.558)	296854	100.000	95.569
144 Methylcyclohexane	83	4.780	4.780	(1.106)	177883	50.0000	48.934
141 1,3,5-Trichlorobenzene	180	10.462	10.462	(1.149)	206116	50.0000	50.174

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ud12.i\T40527-IC.b\UX126996.D
Date : 27-MAY-2004 23:38
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ud12.i
Operator: 1903
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Iodomethane+
-Methylene Chloride+
Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
Toluene-d8
Toluene
-trans-1,3-Dichloropropene
Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
1,1,1,2-Tetrachloroethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-Bromofluorobenzene
Isopropylbenzene
1,4-Dichloro-2-butene+
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
-1,2-Dichloroethene (total)
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ud12.i\T40527-IC.b\UX126996.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126996.D
Lab Smp Id: 100NG-IC
Inj Date : 27-MAY-2004 23:38
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 100NG-IC
Misc Info : T40528-IC,8260LLUX12,2-8260.SUB,1903,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\8260LLUX12.m
Meth Date : 28-May-2004 16:20 laveyt Quant Type: ISTD
Cal Date : 27-MAY-2004 22:05 Cal File: UX126992.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV04

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	4.324	4.324	(1.000)	695125	50.0000	
* 2 Chlorobenzene-d5	117	6.909	6.909	(1.000)	594569	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.105	9.105	(1.000)	320301	50.0000	
$ 4 Dibromofluoromethane	113	3.794	3.794	(0.878)	304991	100.000	104.30
$ 5 1,2-Dichloroethane-d4	65	4.056	4.056	(0.938)	385022	100.000	104.57
$ 6 Toluene-d8	98	5.632	5.632	(0.815)	1247184	100.000	101.80
$ 7 Bromofluorobenzene	95	7.998	7.998	(1.158)	527803	100.000	102.85
8 Dichlorodifluoromethane	85	1.252	1.252	(0.290)	382625	100.000	110.97
9 Chloromethane	50	1.367	1.367	(0.316)	574249	100.000	100.25
10 Vinyl Chloride	62	1.440	1.440	(0.333)	532750	100.000	108.65
11 Bromomethane	94	1.641	1.641	(0.380)	302625	100.000	100.96
12 Chloroethane	64	1.732	1.732	(0.401)	343152	100.000	110.60
13 Trichlorofluoromethane	101	1.872	1.872	(0.433)	512651	100.000	111.79
15 Acrolein	56	2.079	2.079	(0.481)	499008	1000.00	964.43
16 Acetone	43	2.188	2.188	(0.506)	390700	200.000	214.04(A)
17 1,1-Dichloroethene	96	2.231	2.231	(0.516)	387534	100.000	102.21
18 Freon-113	151	2.237	2.237	(0.517)	268688	100.000	105.07

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126996.D
Report Date: 28-May-2004 16:21

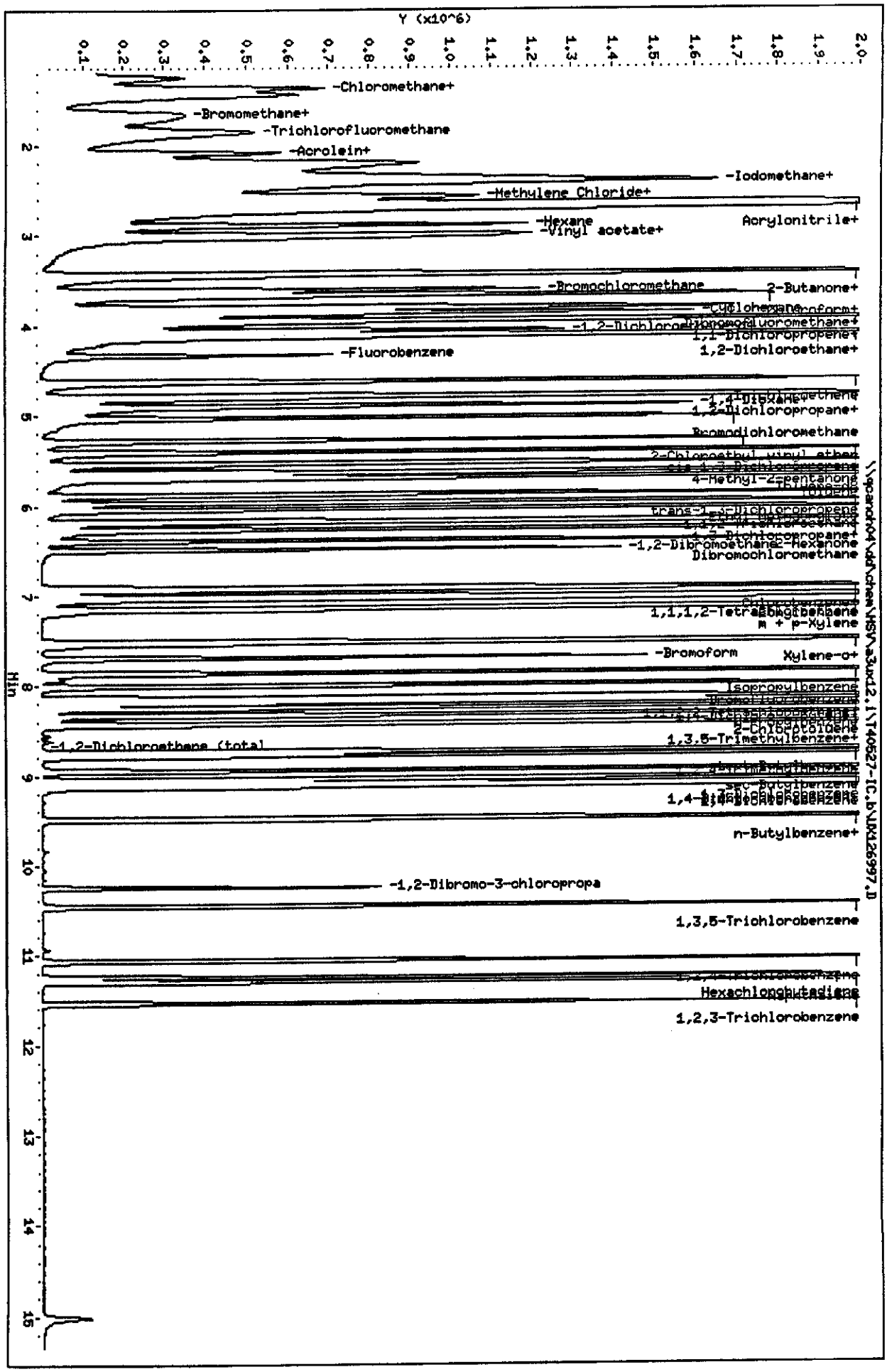
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.365	2.365	(0.547)	584980	100.000	111.94
	20 Carbon Disulfide	76	2.383	2.383	(0.551)	1282133	100.000	107.88
	21 Methylene Chloride	84	2.584	2.584	(0.598)	403841	100.000	101.86
	22 Acetonitrile	41	2.383	2.383	(0.551)	565259	1000.00	1037.1
	23 Acrylonitrile	53	2.657	2.657	(0.615)	1453444	1000.00	1028.2
	24 Methyl tert-butyl ether	73	2.693	2.693	(0.623)	1084304	100.000	105.93
	25 trans-1,2-Dichloroethene	96	2.687	2.687	(0.622)	381392	100.000	108.75
	26 Hexane	57	2.888	2.888	(0.668)	311636	100.000	108.49
	27 Vinyl acetate	43	3.028	3.028	(0.700)	550840	100.000	100.78
	28 1,1-Dichloroethane	63	2.998	2.998	(0.693)	604437	100.000	105.19
	29 tert-Butyl Alcohol	59	2.578	2.578	(0.596)	707825	2000.00	2165.4(A)
	30 2-Butanone	43	3.436	3.436	(0.795)	502890	200.000	186.86
M	31 1,2-Dichloroethene (total)	96				775141	200.000	215.04
	32 cis-1,2-dichloroethene	96	3.429	3.429	(0.793)	393749	100.000	106.29
	33 2,2-Dichloropropane	77	3.429	3.429	(0.793)	216163	100.000	107.17
	34 Bromochloromethane	128	3.612	3.612	(0.835)	196816	100.000	108.68
	35 Chloroform	83	3.673	3.673	(0.849)	610787	100.000	105.86
	36 Tetrahydrofuran	42	3.655	3.655	(0.845)	120632	100.000	101.45
	37 1,1,1-Trichloroethane	97	3.819	3.819	(0.883)	518247	100.000	112.30
	38 1,1-Dichloropropene	75	3.947	3.947	(0.913)	470950	100.000	106.71
	39 Carbon Tetrachloride	117	3.953	3.953	(0.914)	424209	100.000	113.96
	40 1,2-Dichloroethane	62	4.117	4.117	(0.952)	495822	100.000	106.16
	41 Benzene	78	4.105	4.105	(0.949)	1507638	100.000	97.726
	42 Trichloroethene	130	4.622	4.622	(1.069)	413897	100.000	103.55
	43 1,2-Dichloropropane	63	4.798	4.798	(1.110)	354726	100.000	105.02
	44 1,4-Dioxane	88	4.920	4.920	(1.138)	200333	5000.00	5151.5(A)
	45 Dibromomethane	93	4.896	4.896	(1.132)	216273	100.000	106.29
	46 Bromodichloromethane	83	5.029	5.029	(1.163)	463882	100.000	108.57
	47 2-Chloroethyl vinyl ether	63	5.279	5.279	(1.221)	290021	200.000	219.69(A)
	48 cis-1,3-Dichloropropene	75	5.401	5.401	(1.249)	605933	100.000	108.16
	49 4-Methyl-2-pentanone	43	5.534	5.534	(1.280)	859882	200.000	205.61(A)
	50 Toluene	91	5.693	5.693	(0.824)	1661190	100.000	103.06
	51 trans-1,3-Dichloropropene	75	5.881	5.881	(0.851)	572230	100.000	109.80
	52 Ethyl Methacrylate	69	5.966	5.966	(0.864)	568011	100.000	107.84
	53 1,1,2-Trichloroethane	97	6.039	6.039	(0.874)	348558	100.000	104.47
	54 1,3-Dichloropropane	76	6.185	6.185	(0.895)	641014	100.000	102.58
	55 Tetrachloroethene	164	6.173	6.173	(0.893)	321427	100.000	104.44
	56 2-Hexanone	43	6.264	6.264	(0.907)	744312	200.000	210.23(A)
	57 Dibromochloromethane	129	6.386	6.386	(0.924)	363489	100.000	109.98
	58 1,2-Dibromoethane	107	6.483	6.483	(0.938)	368721	100.000	103.11
	59 Chlorobenzene	112	6.934	6.934	(1.004)	1152761	100.000	103.46
	60 1,1,1,2-Tetrachloroethane	131	7.007	7.007	(1.014)	395003	100.000	106.97
	61 Ethylbenzene	106	7.037	7.037	(1.018)	581978	100.000	103.31
	62 m + p-Xylene	106	7.147	7.147	(1.034)	1487222	200.000	208.38(A)
M	63 Xylenes (total)	106				2229198	300.000	314.36
	64 Xylene-o	106	7.512	7.512	(1.087)	741976	100.000	105.98
	65 Styrene	104	7.524	7.524	(1.089)	1363004	100.000	109.60

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126996.D
Report Date: 28-May-2004 16:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	7.688	7.688	(1.113)	252569	100.000	94.163
67 Isopropylbenzene	105	7.858	7.858	(1.137)	1562975	100.000	105.04
68 1,1,2,2-Tetrachloroethane	83	8.144	8.144	(0.894)	471223	100.000	101.38
69 1,4-Dichloro-2-butene	53	8.199	8.199	(0.900)	138948	100.000	98.412
70 1,2,3-Trichloropropane	110	8.175	8.175	(0.898)	178629	100.000	100.33
71 Bromobenzene	156	8.138	8.138	(0.894)	530165	100.000	101.21
72 n-Propylbenzene	120	8.254	8.254	(0.906)	445678	100.000	107.27
73 2-Chlorotoluene	126	8.327	8.327	(0.914)	433861	100.000	103.50
74 1,3,5-Trimethylbenzene	105	8.424	8.424	(0.925)	1298706	100.000	106.83
75 4-Chlorotoluene	126	8.430	8.430	(0.926)	465981	100.000	104.15
76 tert-Butylbenzene	119	8.734	8.734	(0.959)	1055986	100.000	104.23
77 1,2,4-Trimethylbenzene	105	8.783	8.783	(0.965)	1349023	100.000	105.50
78 sec-Butylbenzene	105	8.947	8.947	(0.983)	1419364	100.000	106.87
79 4-Isopropyltoluene	119	9.093	9.093	(0.999)	1223025	100.000	106.76
80 1,3-Dichlorobenzene	146	9.045	9.045	(0.993)	867476	100.000	102.36
81 1,4-Dichlorobenzene	146	9.130	9.130	(1.003)	927615	100.000	101.79
82 n-Butylbenzene	91	9.489	9.489	(1.042)	980034	100.000	108.55
83 1,2-Dichlorobenzene	146	9.489	9.489	(1.042)	853069	100.000	101.68
84 1,2-Dibromo-3-chloropropane	157	10.249	10.249	(1.126)	92206	100.000	99.725
85 1,2,4-Trichlorobenzene	180	11.064	11.064	(1.215)	362022	100.000	105.33
86 Hexachlorobutadiene	225	11.247	11.247	(1.235)	161117	100.000	101.91
87 Naphthalene	128	11.296	11.296	(1.241)	888666	100.000	96.338
88 1,2,3-Trichlorobenzene	180	11.539	11.539	(1.267)	246362	100.000	105.90
98 Cyclohexane	56	3.867	3.867	(0.894)	492323	100.000	104.98
143 Methyl Acetate	43	2.414	2.414	(0.558)	602754	200.000	192.91
144 Methylcyclohexane	83	4.780	4.780	(1.106)	397861	100.000	108.80
141 1,3,5-Trichlorobenzene	180	10.462	10.462	(1.149)	441646	100.000	104.83

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 28-MAY-2004 00:02
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Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Iodomethane+
-Methylene Chloride+
-Hexane
-Vinyl acetate+
Acrylonitrile+
-Bromochloromethane
2-Butanone+
-Fluorobenzene
1,2-Dichloroethane+
1,2-Dichloropropane+
Bromodichloromethane
4-Methyl-2-pentanone
-1,2-Dibromoethane
2-Hexanone
Dibromochloromethane
1,1,1,2-Tetrachloroethane
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
-1,2-Dichloroethane (total
sec-Butylbenzene
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
Hexachlorobutadiene
1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126997.D
Report Date: 28-May-2004 16:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126997.D
Lab Smp Id: 250NG-IC
Inj Date : 28-MAY-2004 00:02
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 250NG-IC
Misc Info : T40528-IC,8260LLUX12,2-8260.SUB,1903,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\8260LLUX12.m
Meth Date : 28-May-2004 16:21 laveyt Quant Type: ISTD
Cal Date : 28-MAY-2004 00:02 Cal File: UX126997.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV04

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	4.324	4.324	(1.000)	718482	50.0000	
* 2 Chlorobenzene-d5	117	6.909	6.909	(1.000)	597753	50.0000	(H)
* 3 1,4-Dichlorobenzene-d4	152	9.105	9.105	(1.000)	330862	50.0000	
$ 4 Dibromofluoromethane	113	3.795	3.795	(0.878)	755438	250.000	249.95(A)
$ 5 1,2-Dichloroethane-d4	65	4.056	4.056	(0.938)	957558	250.000	251.62(A)
$ 6 Toluene-d8	98	5.632	5.632	(0.804)	3170392	250.000	257.41(A)
$ 7 Bromofluorobenzene	95	7.998	7.998	(1.142)	1344905	250.000	260.67(A)
8 Dichlorodifluoromethane	85	1.246	1.246	(0.288)	913908	250.000	256.43(A)
9 Chloromethane	50	1.361	1.361	(0.315)	1380244	250.000	233.13(A)
10 Vinyl Chloride	62	1.434	1.434	(0.332)	1300432	250.000	256.58(A)
11 Bromomethane	94	1.653	1.653	(0.382)	707349	250.000	228.30(A)
12 Chloroethane	64	1.732	1.732	(0.401)	776439	250.000	242.10(A)
13 Trichlorofluoromethane	101	1.866	1.866	(0.432)	1175008	250.000	247.89(A)
15 Acrolein	56	2.079	2.079	(0.481)	1247487	2500.00	2332.6(A)
16 Acetone	43	2.182	2.182	(0.505)	907044	500.000	494.49(A)
17 1,1-Dichloroethene	96	2.225	2.225	(0.515)	981180	250.000	249.29(A)
18 Freon-113	151	2.237	2.237	(0.517)	664383	250.000	248.34(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126997.D
Report Date: 28-May-2004 16:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.377	2.377	(0.550)	1482015	250.000	274.38(A)
	20 Carbon Disulfide	76	2.377	2.377	(0.550)	3209296	250.000	261.25(A)
	21 Methylene Chloride	84	2.590	2.590	(0.599)	990066	250.000	241.60(A)
	22 Acetonitrile	41	2.395	2.395	(0.554)	1385305	2500.00	2459.0(A)
	23 Acrylonitrile	53	2.657	2.657	(0.615)	3847211	2500.00	2633.2(A)
	24 Methyl tert-butyl ether	73	2.693	2.693	(0.623)	2786519	250.000	263.39(A)
	25 trans-1,2-Dichloroethene	96	2.687	2.687	(0.622)	942882	250.000	260.10(A)
	26 Hexane	57	2.894	2.894	(0.669)	800903	250.000	269.75(A)
	27 Vinyl acetate	43	3.028	3.028	(0.700)	1385012	250.000	245.16(A)
	28 1,1-Dichloroethane	63	2.991	2.991	(0.692)	1511457	250.000	254.48(A)
	29 tert-Butyl Alcohol	59	2.572	2.572	(0.595)	1783071	5000.00	5277.4(A)
	30 2-Butanone	43	3.436	3.436	(0.795)	1279626	500.000	460.01(A)
M	31 1,2-Dichloroethene (total)	96				1914417	500.000	513.84
	32 cis-1,2-dichloroethene	96	3.430	3.430	(0.793)	971535	250.000	253.73(A)
	33 2,2-Dichloropropane	77	3.430	3.430	(0.793)	567350	250.000	272.14(A)
	34 Bromochloromethane	128	3.612	3.612	(0.835)	488479	250.000	260.95(A)
	35 Chloroform	83	3.673	3.673	(0.849)	1519190	250.000	254.75(A)
	36 Tetrahydrofuran	42	3.655	3.655	(0.845)	303301	250.000	249.68(A)
	37 1,1,1-Trichloroethane	97	3.819	3.819	(0.883)	1305100	250.000	273.62(A)
	38 1,1-Dichloropropene	75	3.947	3.947	(0.913)	1171464	250.000	256.81(A)
	39 Carbon Tetrachloride	117	3.953	3.953	(0.914)	1094465	250.000	284.46(A)
	40 1,2-Dichloroethane	62	4.117	4.117	(0.952)	1224197	250.000	253.59(A)
	41 Benzene	78	4.105	4.105	(0.949)	3849740	250.000	241.43(A)
	42 Trichloroethene	130	4.622	4.622	(1.069)	1070235	250.000	259.06(A)
	43 1,2-Dichloropropane	63	4.798	4.798	(1.110)	886439	250.000	253.92(A)
	44 1,4-Dioxane	88	4.914	4.914	(1.136)	495860	12500.0	12412(A)
	45 Dibromomethane	93	4.896	4.896	(1.132)	541424	250.000	257.44(A)
	46 Bromodichloromethane	83	5.023	5.023	(1.162)	1195369	250.000	270.68(A)
	47 2-Chloroethyl vinyl ether	63	5.279	5.279	(1.221)	737527	500.000	540.50(A)
	48 cis-1,3-Dichloropropene	75	5.401	5.401	(1.249)	1566218	250.000	270.48(A)
	49 4-Methyl-2-pentanone	43	5.534	5.534	(1.280)	2185530	500.000	505.60(A)
	50 Toluene	91	5.693	5.693	(0.812)	4255763	250.000	262.63(A)
	51 trans-1,3-Dichloropropene	75	5.881	5.881	(0.839)	1486519	250.000	283.72(A)
	52 Ethyl Methacrylate	69	5.966	5.966	(0.852)	1471599	250.000	277.90(A)
	53 1,1,2-Trichloroethane	97	6.039	6.039	(0.862)	878405	250.000	261.87(A)
	54 1,3-Dichloropropane	76	6.185	6.185	(0.883)	1622879	250.000	258.33(A)
	55 Tetrachloroethene	164	6.173	6.173	(0.881)	813909	250.000	263.05(A)
	56 2-Hexanone	43	6.264	6.264	(0.894)	1887855	500.000	530.39(A)
	57 Dibromochloromethane	129	6.386	6.386	(0.911)	961247	250.000	289.30(A)
	58 1,2-Dibromoethane	107	6.483	6.483	(0.925)	948517	250.000	263.84(A)
	59 Chlorobenzene	112	6.934	6.934	(0.990)	2934830	250.000	262.01(A)
	60 1,1,1,2-Tetrachloroethane	131	7.007	7.007	(1.000)	1033684	250.000	278.43(A)
	61 Ethylbenzene	106	7.037	7.037	(1.004)	1496268	250.000	264.20(A)
	62 m + p-Xylene	106	7.147	7.147	(1.020)	3924533	500.000	546.94(A)
M	63 Xylenes (total)	106				5846384	750.000	819.99
	64 Xylene-o	106	7.512	7.512	(1.072)	1921851	250.000	273.05(A)
	65 Styrene	104	7.524	7.524	(1.074)	3651772	250.000	292.08(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126997.D
Report Date: 28-May-2004 16:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	7.688	7.688	(1.097)	708641	250.000	252.82(A)
67 Isopropylbenzene	105	7.858	7.858	(1.122)	4080697	250.000	272.78(A)
68 1,1,2,2-Tetrachloroethane	83	8.144	8.144	(0.894)	1202879	250.000	250.52(A)
69 1,4-Dichloro-2-butene	53	8.199	8.199	(0.900)	373113	250.000	251.16(A)
70 1,2,3-Trichloropropane	110	8.181	8.181	(0.898)	455023	250.000	247.42(A)
71 Bromobenzene	156	8.138	8.138	(0.894)	1386467	250.000	256.22(A)
72 n-Propylbenzene	120	8.254	8.254	(0.906)	1125155	250.000	262.18(A)
73 2-Chlorotoluene	126	8.327	8.327	(0.914)	1116517	250.000	257.84(A)
74 1,3,5-Trimethylbenzene	105	8.424	8.424	(0.925)	3385419	250.000	269.60(A)
75 4-Chlorotoluene	126	8.430	8.430	(0.926)	1202075	250.000	260.10(A)
76 tert-Butylbenzene	119	8.734	8.734	(0.959)	2701153	250.000	258.11(A)
77 1,2,4-Trimethylbenzene	105	8.783	8.783	(0.965)	3537216	250.000	267.80(A)
78 sec-Butylbenzene	105	8.947	8.947	(0.983)	3663576	250.000	267.04(A)
79 4-Isopropyltoluene	119	9.093	9.093	(0.999)	3172819	250.000	268.13(A)
80 1,3-Dichlorobenzene	146	9.045	9.045	(0.993)	2265657	250.000	258.81(A)
81 1,4-Dichlorobenzene	146	9.130	9.130	(1.003)	2378204	250.000	252.63(A)
82 n-Butylbenzene	91	9.489	9.489	(1.042)	2561621	250.000	274.67(A)
83 1,2-Dichlorobenzene	146	9.489	9.489	(1.042)	2240766	250.000	258.57(A)
84 1,2-Dibromo-3-chloropropane	157	10.249	10.249	(1.126)	244277	250.000	250.88(A)
85 1,2,4-Trichlorobenzene	180	11.064	11.064	(1.215)	960886	250.000	270.66(A)
86 Hexachlorobutadiene	225	11.247	11.247	(1.235)	395316	250.000	242.07(A)
87 Naphthalene	128	11.296	11.296	(1.241)	2465983	250.000	251.92(A)
88 1,2,3-Trichlorobenzene	180	11.539	11.539	(1.267)	655539	250.000	272.80(A)
98 Cyclohexane	56	3.868	3.868	(0.894)	1202614	250.000	248.10(A)
143 Methyl Acetate	43	2.414	2.414	(0.558)	1542760	500.000	477.70
144 Methylcyclohexane	83	4.780	4.780	(1.106)	993623	250.000	262.89
141 1,3,5-Trichlorobenzene	180	10.462	10.462	(1.149)	1139717	250.000	261.89

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126998.D
Report Date: 28-May-2004 16:22

STL North Canton

RECOVERY REPORT

Client Name:
Client SDG: SDGa00282
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: ICV/CHK
Level: LOW
Operator: 1903
Data Type: MS DATA
SampleType: METHSPIKE
SpikeList File: plexus-ck.spk
Quant Type: ISTD
Sublist File: 2-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\8260LLUX12.m
Misc Info: T40528-IC,8260LLUX12,2-8260.SUB,1903,3

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	9.994	99.94	45-155
	42 Trichloroethene	10.000	10.001	100.01	45-155
	59 Chlorobenzene	10.000	9.843	98.43	45-155
	50 Toluene	10.000	9.738	97.38	45-155
	41 Benzene	10.000	9.415	94.15	45-155
	16 Acetone	10.000	5.571	55.71	45-155
	20 Carbon Disulfide	10.000	10.002	100.02	45-155
	9 Chloromethane	10.000	8.426	84.26	45-155
	11 Bromomethane	10.000	8.402	84.02	45-155
	10 Vinyl Chloride	10.000	9.423	94.23	45-155
	12 Chloroethane	10.000	10.051	100.51	45-155
	21 Methylene Chloride	10.000	9.925	99.25	45-155
	28 1,1-Dichloroethane	10.000	9.984	99.84	45-155
M	31 1,2-Dichloroethene	20.000	20.346	101.73	45-155
	35 Chloroform	10.000	9.989	99.89	45-155
	40 1,2-Dichloroethane	10.000	9.996	99.96	45-155
	30 2-Butanone	10.000	6.700	67.00	45-155
	37 1,1,1-Trichloroeth	10.000	10.442	104.42	45-155
	39 Carbon Tetrachlori	10.000	10.680	106.80	45-155
	46 Bromodichlorometha	10.000	10.216	102.16	45-155
	43 1,2-Dichloropropan	10.000	9.700	97.00	45-155
	48 cis-1,3-Dichloropr	10.000	10.114	101.14	45-155
	57 Dibromochlorometha	10.000	10.269	102.69	45-155
	53 1,1,2-Trichloroeth	10.000	9.903	99.03	45-155
	51 trans-1,3-Dichloro	10.000	9.963	99.63	45-155
	66 Bromoform	10.000	9.237	92.37	45-155
	49 4-Methyl-2-pentano	10.000	8.458	84.58	45-155
	56 2-Hexanone	10.000	7.315	73.15	45-155
	55 Tetrachloroethene	10.000	10.176	101.76	45-155
	68 1,1,2,2-Tetrachlor	10.000	9.355	93.55	45-155
	61 Ethylbenzene	10.000	9.850	98.50	45-155
	65 Styrene	10.000	9.983	99.83	45-155
M	63 Xylenes (total)	30.000	29.776	99.25	45-155

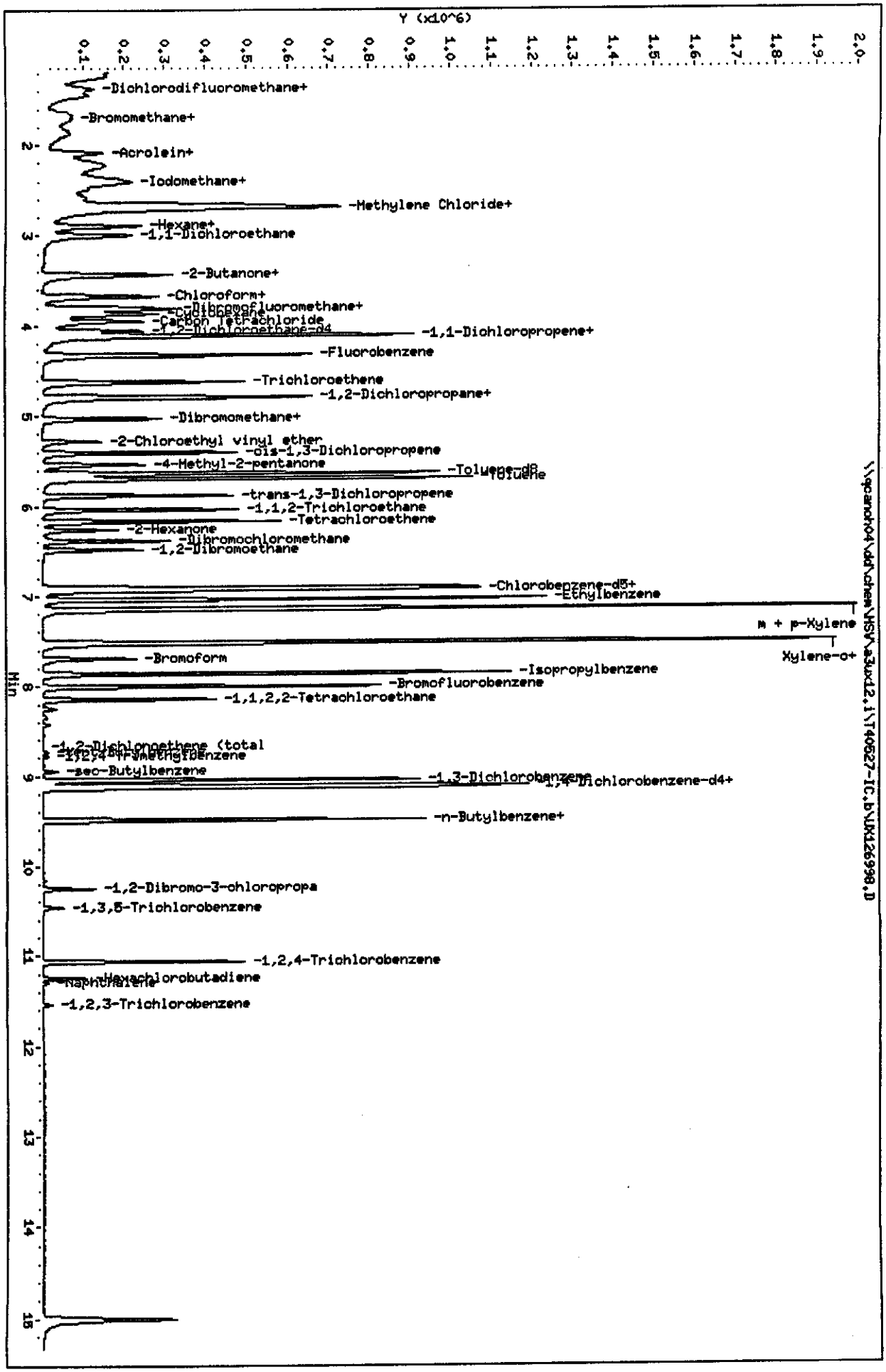
Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126998.D
Report Date: 28-May-2004 16:22

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
32 cis-1,2-dichloroet	10.000	10.056	100.56	45-155
25 trans-1,2-Dichloro	10.000	10.290	102.90	45-155
8 Dichlorodifluorome	10.000	4.001	40.01*	45-155
13 Trichlorofluoromet	10.000	9.493	94.93	45-155
18 Freon-113	10.000	10.471	104.71	45-155
24 Methyl tert-butyl	10.000	8.020	80.20	45-155
58 1,2-Dibromoethane	10.000	9.823	98.23	45-155
67 Isopropylbenzene	10.000	10.344	103.44	45-155
80 1,3-Dichlorobenzen	10.000	9.983	99.83	45-155
81 1,4-Dichlorobenzen	10.000	9.912	99.12	45-155
83 1,2-Dichlorobenzen	10.000	9.723	97.23	45-155
84 1,2-Dibromo-3-chlo	10.000	8.989	89.89	45-155
85 1,2,4-Trichloroben	10.000	9.590	95.90	45-155
98 Cyclohexane	10.000	9.362	93.62	45-155
143 Methyl Acetate	10.000	8.996	89.96	45-155
144 Methylcyclohexane	10.000	9.658	96.58	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	10.516	105.16	73-122
$ 5 1,2-Dichloroethane	10.000	10.538	105.38	61-128
$ 6 Toluene-d8	10.000	10.758	107.58	76-110
$ 7 Bromofluorobenzene	10.000	10.744	107.44	74-116

Data File: \\qcandh04\dd\chem\HSV\a3ux12.i\T40527-IC.b\UX126998.D
Date : 28-MAY-2004 00:48
Client ID:
Sample Info: ICV/CHK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126998.D
Report Date: 28-May-2004 16:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126998.D
Lab Smp Id: ICV/CHK
Inj Date : 28-MAY-2004 00:48
Operator : 1903 Inst ID: a3ux12.i
Smp Info : ICV/CHK
Misc Info : T40528-IC,8260LLUX12,2-8260.SUB,1903,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\8260LLUX12.m
Meth Date : 28-May-2004 16:21 laveyt Quant Type: ISTD
Cal Date : 28-MAY-2004 00:02 Cal File: UX126997.D
Als bottle: 9 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV04

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	4.324	4.324	(1.000)	699794	50.0000	
* 2 Chlorobenzene-d5	117	6.909	6.909	(1.000)	590719	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.105	9.105	(1.000)	302201	50.0000	
$ 4 Dibromofluoromethane	113	3.794	3.795	(0.878)	154786	52.5814	10.516
$ 5 1,2-Dichloroethane-d4	65	4.056	4.056	(0.938)	195310	52.6928	10.538
$ 6 Toluene-d8	98	5.632	5.632	(0.815)	654754	53.7930	10.758
$ 7 Bromofluorobenzene	95	7.998	7.998	(1.158)	273915	53.7224	10.744
8 Dichlorodifluoromethane	85	1.251	1.246	(0.290)	69442	20.0047	4.001(R)
9 Chloromethane	50	1.367	1.361	(0.316)	242942	42.1308	8.426
10 Vinyl Chloride	62	1.434	1.434	(0.332)	232580	47.1147	9.423
11 Bromomethane	94	1.653	1.653	(0.382)	126782	42.0127	8.402
12 Chloroethane	64	1.738	1.732	(0.402)	156974	50.2540	10.051
13 Trichlorofluoromethane	101	1.866	1.866	(0.432)	219139	47.4662	9.493
15 Acrolein	56	2.085	2.079	(0.482)	325193	624.308	124.86
16 Acetone	43	2.194	2.182	(0.508)	67927	27.8569	5.571
17 1,1-Dichloroethene	96	2.225	2.225	(0.515)	189275	49.9678	9.994
18 Freon-113	151	2.225	2.237	(0.515)	131922	52.3558	10.471

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126998.D
Report Date: 28-May-2004 16:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	19 Iodomethane	142	2.389	2.377	(0.553)	10263	1.95084	0.3902
	20 Carbon Disulfide	76	2.383	2.377	(0.551)	598363	50.0095	10.002
	21 Methylene Chloride	84	2.614	2.590	(0.605)	198074	49.6268	9.925
	22 Acetonitrile	41	2.395	2.395	(0.554)	224897	409.876	81.975
	23 Acrylonitrile	53	2.657	2.657	(0.615)	671521	471.902	94.380
	24 Methyl tert-butyl ether	73	2.693	2.693	(0.623)	413186	40.0983	8.020
	25 trans-1,2-Dichloroethene	96	2.693	2.687	(0.623)	181664	51.4525	10.290
	26 Hexane	57	2.894	2.894	(0.669)	154510	53.4294	10.686
	27 Vinyl acetate	43	2.894	3.028	(0.669)	96903	17.6111	3.522
	28 1,1-Dichloroethane	63	2.991	2.991	(0.692)	288795	49.9219	9.984
	29 tert-Butyl Alcohol	59	2.407	2.572	(0.557)	11830	35.9488	7.190
	30 2-Butanone	43	3.441	3.436	(0.796)	90766	33.5010	6.700
M	31 1,2-Dichloroethene (total)	96				369180	101.733	20.346
	32 cis-1,2-dichloroethene	96	3.435	3.430	(0.795)	187516	50.2804	10.056
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	3.673	3.673	(0.849)	290095	49.9445	9.989
	36 Tetrahydrofuran	42	3.654	3.655	(0.845)	5175	2.39071	0.4781
	37 1,1,1-Trichloroethane	97	3.819	3.819	(0.883)	242551	52.2106	10.442
	38 1,1-Dichloropropene	75	4.105	3.947	(0.949)	12817	2.88478	0.5770
	39 Carbon Tetrachloride	117	3.952	3.953	(0.914)	200120	53.4021	10.680
	40 1,2-Dichloroethane	62	4.117	4.117	(0.952)	234992	49.9779	9.996
	41 Benzene	78	4.105	4.105	(0.949)	731095	47.0738	9.415
	42 Trichloroethene	130	4.622	4.622	(1.069)	201204	50.0033	10.001
	43 1,2-Dichloropropane	63	4.798	4.798	(1.110)	164911	48.4994	9.700
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	5.029	4.896	(1.163)	6280	3.06580	0.6132
	46 Bromodichloromethane	83	5.023	5.023	(1.162)	219712	51.0806	10.216
	47 2-Chloroethyl vinyl ether	63	5.279	5.279	(1.221)	63103	47.4807	9.496
	48 cis-1,3-Dichloropropene	75	5.400	5.401	(1.249)	285212	50.5699	10.114
	49 4-Methyl-2-pentanone	43	5.534	5.534	(1.280)	178042	42.2877	8.458
	50 Toluene	91	5.692	5.693	(0.824)	779711	48.6901	9.738
	51 trans-1,3-Dichloropropene	75	5.881	5.881	(0.851)	257938	49.8168	9.963
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.033	6.039	(0.873)	164139	49.5154	9.903
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.173	6.173	(0.893)	155573	50.8784	10.176
	56 2-Hexanone	43	6.264	6.264	(0.907)	128645	36.5732	7.315
	57 Dibromochloromethane	129	6.386	6.386	(0.924)	168601	51.3468	10.269
	58 1,2-Dibromoethane	107	6.483	6.483	(0.938)	174491	49.1146	9.823
	59 Chlorobenzene	112	6.933	6.934	(1.004)	544795	49.2159	9.843
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.037	7.037	(1.018)	275652	49.2525	9.850
	62 m + p-Xylene	106	7.146	7.147	(1.034)	703622	99.2273	19.845
M	63 Xylenes (total)	106				1048996	148.881	29.776
	64 Xylene-o	106	7.511	7.512	(1.087)	345374	49.6534	9.931
	65 Styrene	104	7.524	7.524	(1.089)	616709	49.9136	9.983

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\UX126998.D
Report Date: 28-May-2004 16:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	7.688	7.688	(1.113)	115048	46.1853	9.237
67 Isopropylbenzene	105	7.858	7.858	(1.137)	764589	51.7180	10.344
68 1,1,2,2-Tetrachloroethane	83	8.144	8.144	(0.894)	205139	46.7756	9.355
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	8.728	8.734	(0.959)	8622	0.90201	0.1804
77 1,2,4-Trimethylbenzene	105	8.777	8.783	(0.964)	8183	0.67829	0.1356
78 sec-Butylbenzene	105	8.947	8.947	(0.983)	24119	1.92478	0.3850
79 4-Isopropyltoluene	119	9.093	9.093	(0.999)	20650	1.91059	0.3821
80 1,3-Dichlorobenzene	146	9.044	9.045	(0.993)	399102	49.9147	9.983
81 1,4-Dichlorobenzene	146	9.130	9.130	(1.003)	426130	49.5596	9.912
82 n-Butylbenzene	91	9.489	9.489	(1.042)	37768	4.43380	0.8868
83 1,2-Dichlorobenzene	146	9.489	9.489	(1.042)	384795	48.6143	9.723
84 1,2-Dibromo-3-chloropropane	157	10.249	10.249	(1.126)	37662	44.9433	8.989
85 1,2,4-Trichlorobenzene	180	11.064	11.064	(1.215)	155485	47.9496	9.590
86 Hexachlorobutadiene	225	11.247	11.247	(1.235)	22807	15.2904	3.058
87 Naphthalene	128	11.295	11.296	(1.241)	11756	5.37228	1.074
88 1,2,3-Trichlorobenzene	180	11.545	11.539	(1.268)	8302	3.78259	0.7565
98 Cyclohexane	56	3.867	3.868	(0.894)	221001	46.8126	9.362
143 Methyl Acetate	43	2.413	2.414	(0.558)	141491	44.9809	8.996
144 Methylcyclohexane	83	4.786	4.780	(1.107)	177776	48.2920	9.658
141 1,3,5-Trichlorobenzene	180	10.462	10.462	(1.149)	17986	4.52497	0.9050

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Start Cal Date: 27-MAY-2004 22:05
End Cal Date : 02-JUN-2004 19:19
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.500		
02-JUN-2004 19:19	3-IX	UX127155.D
27-MAY-2004 22:05	2-8260	UX126992.D
Cal Level: 2 , Cal Amount: 10.000		
02-JUN-2004 18:56	3-IX	UX127154.D
27-MAY-2004 22:28	2-8260	UX126993.D
Cal Level: 3 , Cal Amount: 25.000		
02-JUN-2004 18:33	3-IX	UX127153.D
27-MAY-2004 22:51	2-8260	UX126994.D
Cal Level: 4 , Cal Amount: 50.000		
02-JUN-2004 18:09	3-IX	UX127152.D
27-MAY-2004 23:15	2-8260	UX126995.D
Cal Level: 5 , Cal Amount: 100.00		
02-JUN-2004 17:47	3-IX	UX127151.D
27-MAY-2004 23:38	2-8260	UX126996.D
Cal Level: 6 , Cal Amount: 250.00		
02-JUN-2004 17:24	3-IX	UX127150.D
28-MAY-2004 00:02	2-8260	UX126997.D

Continuing Calibration

24-AUG-2004 21:32	2-8260	UX128956.D
24-AUG-2004 21:56	3-IX	UX128957.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b/UX128956.D
Report Date: 08/24/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux12.i
Lab File ID: UX128956.D
Analysis Type: WATER

Injection Date: 24-AUG-2004 21:32
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	46.0712	7.9	50.0
0 Bromodichloromethane	50.0000	45.9161	8.2	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	42.9029	14.2	50.0
0 Bromoform	50.0000	32.6575	34.7	50.0
0 Styrene	50.0000	43.4993	13.0	50.0
0 Xylene-o	50.0000	43.6670	12.7	50.0
0 Xylenes (total)	150.0000	133.6711	10.9	50.0
0 2-Hexanone	100.0000	63.5352	36.5	50.0
0 Chloromethane	50.0000	55.3372	10.7	50.0
0 Vinyl Chloride	50.0000	54.0728	8.1	20.0
0 Bromomethane	50.0000	47.3294	5.3	50.0
0 Chloroethane	50.0000	57.6870	15.4	50.0
0 1,1-Dichloroethane	50.0000	49.7573	0.5	50.0
0 Tetrachloroethene	50.0000	46.5061	7.0	50.0
0 Acetone	100.0000	74.4115	25.6	50.0
0 1,1-Dichloroethene	50.0000	58.2355	16.5	20.0
0 m + p-Xylene	100.0000	90.0041	10.0	50.0
0 Ethylbenzene	50.0000	45.3567	9.3	20.0
0 Carbon Disulfide	50.0000	53.4485	6.9	50.0
0 Methylene Chloride	50.0000	63.7286	27.5	50.0
0 1,2-Dichloropropane	50.0000	44.2145	11.6	20.0
0 1,1,2-Trichloroethane	50.0000	42.9966	14.0	50.0
0 Dibromochloromethane	50.0000	40.2248	19.6	50.0
0 trans-1,2-Dichloroethene	50.0000	52.9209	5.8	50.0
0 trans-1,3-Dichloropropene	50.0000	42.2519	15.5	50.0
0 cis-1,3-Dichloropropene	50.0000	46.8319	6.3	50.0
0 Chloroform	50.0000	49.1696	1.7	20.0
0 Toluene	50.0000	43.8039	12.4	20.0
0 2-Butanone	100.0000	60.9282	39.1	50.0
0 1,2-Dichloroethene (total)	100.0000	99.9828	0.0	50.0
0 cis-1,2-dichloroethene	50.0000	47.0619	5.9	50.0
0 4-Methyl-2-pentanone	100.0000	75.4242	24.6	50.0
0 1,2-Dichloroethane	50.0000	44.7748	10.5	50.0
0 Trichloroethene	50.0000	49.8328	0.3	50.0
0 1,1,1-Trichloroethane	50.0000	44.3583	11.3	50.0
0 Carbon Tetrachloride	50.0000	48.1159	3.8	50.0
0 Benzene	50.0000	46.0910	7.8	50.0
38 Dichlorodifluoromethane	50.0000	61.1518	22.3	50.0
39 Trichlorofluoromethane	50.0000	63.3489	26.7	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b/UX128956.D
Report Date: 08/24/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux12.i
Lab File ID: UX128956.D
Analysis Type: WATER

Injection Date: 24-AUG-2004 21:32
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux12.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
40 Acrolein	500.0000	528.7115	5.7	50.0
41 Acrylonitrile	500.0000	465.5343	6.9	50.0
42 Vinyl acetate	50.0000	51.2118	2.4	50.0
43 2-Chloroethyl vinyl ether	100.0000	116.6221	16.6	50.0
47 Freon-113	50.0000	54.3628	8.7	50.0
48 1,3-Dichlorobenzene	50.0000	46.3266	7.3	50.0
49 1,4-Dichlorobenzene	50.0000	46.1174	7.8	50.0
50 1,2-Dichlorobenzene	50.0000	46.7235	6.6	50.0
51 Acetonitrile	500.0000	484.0020	3.2	50.0
52 Iodomethane	50.0000	48.5479	2.9	50.0
59 1,4-Dioxane	2500.0000	2213.9762	11.4	50.0
60 Dibromomethane	50.0000	48.4379	3.1	50.0
62 Ethyl Methacrylate	50.0000	40.0901	19.8	50.0
63 1,2-Dibromoethane	50.0000	42.9889	14.0	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	45.7750	8.4	50.0
65 1,2,3-Trichloropropane	50.0000	48.3906	3.2	50.0
66 1,4-Dichloro-2-butene	50.0000	38.9897	22.0	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	38.1964	23.6	50.0
82 Methyl tert-butyl ether	50.0000	36.2052	27.6	50.0
84 Tetrahydrofuran	50.0000	45.4422	9.1	50.0
98 2,2-Dichloropropane	50.0000	49.4059	1.2	50.0
99 1,1-Dichloropropene	50.0000	46.7551	6.5	50.0
100 1,3-Dichloropropane	50.0000	40.9817	18.0	50.0
102 Bromobenzene	50.0000	48.1501	3.7	50.0
103 2-Chlorotoluene	50.0000	48.1205	3.8	50.0
104 n-Propylbenzene	50.0000	47.9570	4.1	50.0
105 4-Chlorotoluene	50.0000	46.9938	6.0	50.0
106 1,3,5-Trimethylbenzene	50.0000	47.8559	4.3	50.0
107 tert-Butylbenzene	50.0000	45.5678	8.9	50.0
108 1,2,4-Trimethylbenzene	50.0000	46.6563	6.7	50.0
109 sec-Butylbenzene	50.0000	47.0222	6.0	50.0
110 4-Isopropyltoluene	50.0000	46.5666	6.9	50.0
111 n-Butylbenzene	50.0000	47.9060	4.2	50.0
112 1,2,4-Trichlorobenzene	50.0000	49.6113	0.8	50.0
113 Naphthalene	50.0000	58.2190	16.4	50.0
114 Hexachlorobutadiene	50.0000	42.3664	15.3	50.0
115 1,2,3-Trichlorobenzene	50.0000	51.7100	3.4	50.0
124 tert-Butyl Alcohol	1000.0000	990.0971	1.0	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b/UX128956.D
Report Date: 08/24/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux12.i
Lab File ID: UX128956.D
Analysis Type: WATER

Injection Date: 24-AUG-2004 21:32
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux12.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
125 Hexane	50.0000	46.8418	6.3	20.0
127 Cyclohexane	50.0000	45.1145	9.8	50.0
128 Isopropylbenzene	50.0000	40.9141	18.2	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	48.0822	3.8	50.0
141 1,3,5-Trichlorobenzene	50.0000	47.2567	5.5	50.0
143 Methyl Acetate	100.0000	77.7123	22.3	50.0
144 Methylcyclohexane	50.0000	49.5020	1.0	50.0
22 Toluene-d8	50.0000	52.1320	4.3	50.0
32 Bromofluorobenzene	50.0000	48.9685	2.1	50.0
47 1,2-Dichloroethane-d4	50.0000	53.7564	7.5	50.0
131 Dibromofluoromethane	50.0000	53.6054	7.2	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128956.D
Report Date: 24-Aug-2004 22:18

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux12.i Injection Date: 24-AUG-2004 21:32
Lab File ID: UX128956.D Init. Cal. Date(s): 27-MAY-2004 02-JUN-2004
Analysis Type: WATER Init. Cal. Times: 22:05 19:19
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
$	4 Dibromofluoromethane	0.21033	0.22550	0.010	7.2	50.0
$	5 1,2-Dichloroethane-d4	0.26483	0.28473	0.010	7.5	50.0
$	6 Toluene-d8	1.03025	1.07418	0.010	4.3	50.0
$	7 Bromofluorobenzene	0.43157	0.42266	0.010	-2.1	50.0
	8 Dichlorodifluoromethane	0.24802	0.30334	0.010	22.3	50.0
	9 Chloromethane	0.41201	0.45598	0.100	10.7	50.0
	10 Vinyl Chloride	0.35271	0.38144	0.010	8.1	20.0
	11 Bromomethane	0.21561	0.20410	0.010	-5.3	50.0
	12 Chloroethane	0.22318	0.25749	0.010	15.4	50.0
	13 Trichlorofluoromethane	0.32986	0.41793	0.010	26.7	50.0
	15 Acrolein	0.03722	0.03935	0.010	5.7	50.0
	16 Acetone	100	74.41149	0.010	25.6	50.0
	17 1,1-Dichloroethene	50.00000	58.23547	0.010	-16.5	20.0
	18 Freon-113	50.00000	54.36283	0.010	-8.7	50.0
	19 Iodomethane	0.37588	0.36497	0.010	-2.9	50.0
	20 Carbon Disulfide	0.85489	0.91385	0.010	6.9	50.0
	21 Methylene Chloride	0.28517	0.36348	0.010	27.5	50.0
	22 Acetonitrile	0.03920	0.03795	0.010	-3.2	50.0
	23 Acrylonitrile	0.10167	0.09467	0.010	-6.9	50.0
	24 Methyl tert-butyl ether	0.73624	0.53311	0.010	-27.6	50.0
	25 trans-1,2-Dichloroethene	0.25227	0.26700	0.010	5.8	50.0
	26 Hexane	0.20662	0.19357	0.010	-6.3	20.0
	27 Vinyl acetate	0.39314	0.40267	0.010	2.4	50.0
	28 1,1-Dichloroethane	0.41333	0.41133	0.100	-0.5	50.0
	29 tert-Butyl Alcohol	0.02351	0.02328	0.010	-1.0	50.0
	30 2-Butanone	0.19358	0.11795	0.010	-39.1	50.0
M	31 1,2-Dichloroethene (total)	0.25937	0.25891	0.010	-0.2	50.0
	32 cis-1,2-dichloroethene	0.26646	0.25081	0.010	-5.9	50.0
	33 2,2-Dichloropropane	0.14508	0.14336	0.010	-1.2	50.0
	34 Bromochloromethane	0.13027	0.12527	0.010	-3.8	50.0
	35 Chloroform	0.41500	0.40811	0.010	-1.7	20.0
	36 Tetrahydrofuran	50.00000	45.44223	0.010	9.1	50.0
	37 1,1,1-Trichloroethane	0.33193	0.29448	0.010	-11.3	50.0
	38 1,1-Dichloropropene	0.31745	0.29685	0.010	-6.5	50.0
	39 Carbon Tetrachloride	0.26775	0.25766	0.010	-3.8	50.0
	40 1,2-Dichloroethane	0.33595	0.30084	0.010	-10.5	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128956.D
Report Date: 24-Aug-2004 22:18

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux12.i
Lab File ID: UX128956.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m

Injection Date: 24-AUG-2004 21:32
Init. Cal. Date(s): 27-MAY-2004 02-JUN-2004
Init. Cal. Times: 22:05 19:19
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	41 Benzene	1.10967	1.02292	0.010	-7.8	50.0
	42 Trichloroethene	0.28750	0.28654	0.010	-0.3	50.0
	43 1,2-Dichloropropane	0.24295	0.21484	0.010	-11.6	20.0
	44 1,4-Dioxane	2500	2214	0.010	11.4	50.0
	45 Dibromomethane	0.14636	0.14179	0.010	-3.1	50.0
	46 Bromodichloromethane	0.30732	0.28222	0.010	-8.2	50.0
	47 2-Chloroethyl vinyl ether	0.09496	0.11074	0.010	16.6	50.0
	48 cis-1,3-Dichloropropene	0.40297	0.37744	0.010	-6.3	50.0
	49 4-Methyl-2-pentanone	0.30082	0.22689	0.010	-24.6	50.0
	50 Toluene	1.35545	1.18748	0.010	-12.4	20.0
	51 trans-1,3-Dichloropropene	0.43826	0.37034	0.010	-15.5	50.0
	52 Ethyl Methacrylate	0.44295	0.35515	0.010	-19.8	50.0
	53 1,1,2-Trichloroethane	0.28058	0.24128	0.010	-14.0	50.0
	54 1,3-Dichloropropane	0.52549	0.43071	0.010	-18.0	50.0
	55 Tetrachloroethene	0.25882	0.24073	0.010	-7.0	50.0
	56 2-Hexanone	0.29773	0.18916	0.010	-36.5	50.0
	57 Dibromochloromethane	0.27793	0.22359	0.010	-19.6	50.0
	58 1,2-Dibromoethane	0.30071	0.25855	0.010	-14.0	50.0
	59 Chlorobenzene	0.93695	0.86333	0.300	-7.9	50.0
	60 1,1,1,2-Tetrachloroethane	0.31054	0.28430	0.010	-8.4	50.0
	61 Ethylbenzene	0.47372	0.42973	0.010	-9.3	20.0
	62 m + p-Xylene	0.60020	0.54021	0.010	-10.0	50.0
M	63 Xylenes (total)	0.59638	0.53153	0.010	-10.9	50.0
	64 Xylene-o	0.58875	0.51418	0.010	-12.7	50.0
	65 Styrene	1.04580	0.90983	0.010	-13.0	50.0
	66 Bromoform	50.00000	32.65751	0.100	34.7	50.0
	67 Isopropylbenzene	1.25134	1.02395	0.010	-18.2	50.0
	68 1,1,2,2-Tetrachloroethane	0.72561	0.62262	0.300	-14.2	50.0
	69 1,4-Dichloro-2-butene	50.00000	38.98970	0.010	22.0	50.0
	70 1,2,3-Trichloropropane	0.27791	0.26897	0.010	-3.2	50.0
	71 Bromobenzene	0.81773	0.78748	0.010	-3.7	50.0
	72 n-Propylbenzene	0.64854	0.62204	0.010	-4.1	50.0
	73 2-Chlorotoluene	0.65438	0.62979	0.010	-3.8	50.0
	74 1,3,5-Trimethylbenzene	1.89762	1.81625	0.010	-4.3	50.0
	75 4-Chlorotoluene	0.69841	0.65642	0.010	-6.0	50.0
	76 tert-Butylbenzene	1.58150	1.44131	0.010	-8.9	50.0

RF= 0.1299 ✓
8-25-4

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128956.D
Report Date: 24-Aug-2004 22:18

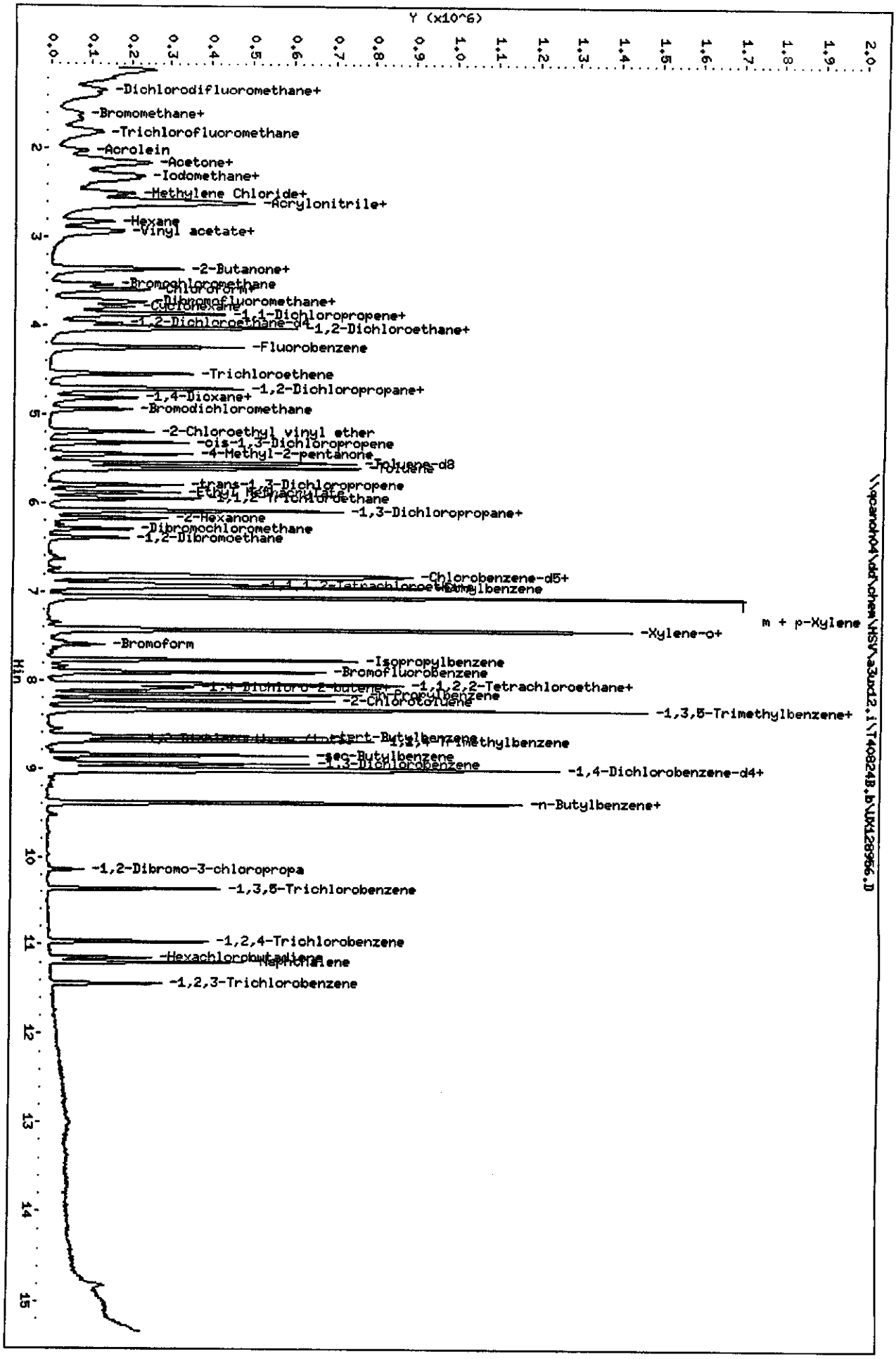
STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux12.i
Lab File ID: UX128956.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m

Injection Date: 24-AUG-2004 21:32
Init. Cal. Date(s): 27-MAY-2004 02-JUN-2004
Init. Cal. Times: 22:05 19:19
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	1.99605	1.86257	0.010	-6.7	50.0
78 sec-Butylbenzene	2.07325	1.94977	0.010	-6.0	50.0
79 4-Isopropyltoluene	1.78824	1.66545	0.010	-6.9	50.0
80 1,3-Dichlorobenzene	1.32291	1.22572	0.010	-7.3	50.0
81 1,4-Dichlorobenzene	1.42262	1.31215	0.010	-7.8	50.0
82 n-Butylbenzene	1.40936	1.35034	0.010	-4.2	50.0
83 1,2-Dichlorobenzene	1.30960	1.22378	0.010	-6.6	50.0
84 1,2-Dibromo-3-chloropropane	50.00000	38.19642	0.010	23.6	50.0
85 1,2,4-Trichlorobenzene	0.53651	0.53234	0.010	-0.8	50.0
86 Hexachlorobutadiene	0.24679	0.20911	0.010	-15.3	50.0
87 Naphthalene	50.00000	58.21898	0.010	-16.4	50.0
88 1,2,3-Trichlorobenzene	0.36313	0.37555	0.010	3.4	50.0
98 Cyclohexane	50.00000	45.11451	0.010	9.8	50.0
143 Methyl Acetate	0.22475	0.17466	0.010	-22.3	50.0
144 Methylcyclohexane	0.26303	0.26041	0.010	-1.0	50.0
141 1,3,5-Trichlorobenzene	0.65765	0.62157	0.010	-5.5	50.0


Data File: \\qcanoh04\dof\chem\HSV\a3ux12.i\T40824B.b\UX128956.D
Date : 24-AUG-2004 21:32
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane
-Ethylbenzene
m + p-Xylene
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,4-Dichloro-2-butene+
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-1,2,4-Trimethylbenzene
-tert-Butylbenzene
-sec-Butylbenzene
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dof\chem\HSV\a3ux12.i\T40824B.b\UX128956.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128956.D
Report Date: 24-Aug-2004 22:18

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128956.D
Lab Smp Id: 50NG-CC
Inj Date : 24-AUG-2004 21:32
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 50NG-CC
Misc Info : T40824B,8260LLUX12,2-8260.SUB,1903,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 24-Aug-2004 22:18 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

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	4.242	4.242	(1.000)	529301	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	499760	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.011	9.011	(1.000)	230558	50.0000	
$ 4 Dibromofluoromethane	113	3.713	3.713	(0.875)	119355	50.0000	53.605
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	150708	50.0000	53.756
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	536831	50.0000	52.132
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	211231	50.0000	48.968
8 Dichlorodifluoromethane	85	1.230	1.230	(0.290)	160558	50.0000	61.152
9 Chloromethane	50	1.328	1.328	(0.313)	241353	50.0000	55.337
10 Vinyl Chloride	62	1.395	1.395	(0.329)	201896	50.0000	54.073
11 Bromomethane	94	1.602	1.602	(0.378)	108029	50.0000	47.329
12 Chloroethane	64	1.681	1.681	(0.396)	136291	50.0000	57.687
13 Trichlorofluoromethane	101	1.821	1.821	(0.429)	221211	50.0000	63.349
15 Acrolein	56	2.021	2.021	(0.477)	208302	500.000	528.71
16 Acetone	43	2.119	2.119	(0.500)	112918	100.000	74.411
17 1,1-Dichloroethene	96	2.167	2.167	(0.511)	167205	50.0000	58.235
18 Freon-113	151	2.161	2.161	(0.510)	103772	50.0000	54.363

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128956.D
Report Date: 24-Aug-2004 22:18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.295	2.295	(0.541)	193177	50.0000	48.548
	20 Carbon Disulfide	76	2.307	2.307	(0.544)	483704	50.0000	53.448
	21 Methylene Chloride	84	2.526	2.526	(0.596)	192388	50.0000	63.728
	22 Acetonitrile	41	2.313	2.313	(0.545)	200868	500.000	484.00
	23 Acrylonitrile	53	2.593	2.593	(0.611)	501063	500.000	465.53
	24 Methyl tert-butyl ether	73	2.624	2.624	(0.619)	282178	50.0000	36.205
	25 trans-1,2-Dichloroethene	96	2.624	2.624	(0.619)	141326	50.0000	52.921
	26 Hexane	57	2.830	2.830	(0.667)	102457	50.0000	46.842
	27 Vinyl acetate	43	2.958	2.958	(0.697)	213134	50.0000	51.212
	28 1,1-Dichloroethane	63	2.922	2.922	(0.689)	217715	50.0000	49.757
	29 tert-Butyl Alcohol	59	2.502	2.502	(0.590)	246440	1000.00	990.10
	30 2-Butanone	43	3.360	3.360	(0.792)	124858	100.000	60.928
M	31 1,2-Dichloroethene (total)	96				274078	100.000	99.983
	32 cis-1,2-dichloroethene	96	3.354	3.354	(0.791)	132752	50.0000	47.062
	33 2,2-Dichloropropane	77	3.354	3.354	(0.791)	75878	50.0000	49.406
	34 Bromochloromethane	128	3.530	3.530	(0.832)	66306	50.0000	48.082
	35 Chloroform	83	3.591	3.591	(0.847)	216014	50.0000	49.170
	36 Tetrahydrofuran	42	3.567	3.567	(0.841)	42133	50.0000	45.442
	37 1,1,1-Trichloroethane	97	3.737	3.737	(0.881)	155866	50.0000	44.358
	38 1,1-Dichloropropene	75	3.865	3.865	(0.911)	157121	50.0000	46.755
	39 Carbon Tetrachloride	117	3.871	3.871	(0.913)	136381	50.0000	48.116
	40 1,2-Dichloroethane	62	4.035	4.035	(0.951)	159236	50.0000	44.775
	41 Benzene	78	4.023	4.023	(0.948)	541431	50.0000	46.091
	42 Trichloroethene	130	4.540	4.540	(1.070)	151665	50.0000	49.833
	43 1,2-Dichloropropane	63	4.716	4.716	(1.112)	113713	50.0000	44.214
	44 1,4-Dioxane	88	4.826	4.826	(1.138)	66468	2500.00	2214.0(A)
	45 Dibromomethane	93	4.808	4.808	(1.133)	75047	50.0000	48.438
	46 Bromodichloromethane	83	4.941	4.941	(1.165)	149381	50.0000	45.916
	47 2-Chloroethyl vinyl ether	63	5.191	5.191	(1.224)	117232	100.000	116.62
	48 cis-1,3-Dichloropropene	75	5.313	5.313	(1.252)	199779	50.0000	46.832
	49 4-Methyl-2-pentanone	43	5.440	5.440	(1.283)	240188	100.000	75.424
	50 Toluene	91	5.605	5.605	(0.822)	593454	50.0000	43.804
	51 trans-1,3-Dichloropropene	75	5.787	5.787	(0.849)	185083	50.0000	42.252
	52 Ethyl Methacrylate	69	5.878	5.878	(0.863)	177492	50.0000	40.090
	53 1,1,2-Trichloroethane	97	5.945	5.945	(0.872)	120583	50.0000	42.997
	54 1,3-Dichloropropane	76	6.091	6.091	(0.894)	215251	50.0000	40.982
	55 Tetrachloroethene	164	6.079	6.079	(0.892)	120307	50.0000	46.506
	56 2-Hexanone	43	6.170	6.170	(0.905)	189071	100.000	63.535
	57 Dibromochloromethane	129	6.292	6.292	(0.923)	111743	50.0000	40.225
	58 1,2-Dibromoethane	107	6.389	6.389	(0.938)	129211	50.0000	42.989
	59 Chlorobenzene	112	6.840	6.840	(1.004)	431457	50.0000	46.071
	60 1,1,1,2-Tetrachloroethane	131	6.919	6.919	(1.015)	142081	50.0000	45.775
	61 Ethylbenzene	106	6.949	6.949	(1.020)	214761	50.0000	45.357
	62 m + p-Xylene	106	7.059	7.059	(1.036)	539947	100.000	90.004
M	63 Xylenes (total)	106				796912	150.000	133.67
	64 Xylene-o	106	7.417	7.417	(1.088)	256965	50.0000	43.667
	65 Styrene	104	7.436	7.436	(1.091)	454699	50.0000	43.499

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128956.D
Report Date: 24-Aug-2004 22:18

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	7.594	7.594	(1.114)	64918	50.0000	32.658
67 Isopropylbenzene	105	7.770	7.770	(1.140)	511728	50.0000	40.914
68 1,1,2,2-Tetrachloroethane	83	8.050	8.050	(0.893)	143549	50.0000	42.903
69 1,4-Dichloro-2-butene	53	8.099	8.099	(0.899)	37779	50.0000	38.990
70 1,2,3-Trichloropropane	110	8.081	8.081	(0.897)	62013	50.0000	48.390
71 Bromobenzene	156	8.044	8.044	(0.893)	181559	50.0000	48.150
72 n-Propylbenzene	120	8.160	8.160	(0.905)	143417	50.0000	47.957
73 2-Chlorotoluene	126	8.233	8.233	(0.914)	145202	50.0000	48.120
74 1,3,5-Trimethylbenzene	105	8.336	8.336	(0.925)	418750	50.0000	47.856
75 4-Chlorotoluene	126	8.336	8.336	(0.925)	151342	50.0000	46.994
76 tert-Butylbenzene	119	8.640	8.640	(0.959)	332306	50.0000	45.568
77 1,2,4-Trimethylbenzene	105	8.689	8.689	(0.964)	429430	50.0000	46.656
78 sec-Butylbenzene	105	8.853	8.853	(0.982)	449536	50.0000	47.022
79 4-Isopropyltoluene	119	8.999	8.999	(0.999)	383982	50.0000	46.567
80 1,3-Dichlorobenzene	146	8.944	8.944	(0.993)	282599	50.0000	46.327
81 1,4-Dichlorobenzene	146	9.030	9.030	(1.002)	302526	50.0000	46.117
82 n-Butylbenzene	91	9.395	9.395	(1.043)	311331	50.0000	47.906
83 1,2-Dichlorobenzene	146	9.389	9.389	(1.042)	282153	50.0000	46.723
84 1,2-Dibromo-3-chloropropane	157	10.143	10.143	(1.126)	24098	50.0000	38.196
85 1,2,4-Trichlorobenzene	180	10.970	10.970	(1.217)	122735	50.0000	49.611
86 Hexachlorobutadiene	225	11.147	11.147	(1.237)	48212	50.0000	42.366
87 Naphthalene	128	11.195	11.195	(1.242)	375381	50.0000	58.219
88 1,2,3-Trichlorobenzene	180	11.439	11.439	(1.269)	86587	50.0000	51.710
98 Cyclohexane	56	3.786	3.786	(0.892)	161094	50.0000	45.114
143 Methyl Acetate	43	2.356	2.356	(0.555)	184894	100.000	77.712
144 Methylcyclohexane	83	4.698	4.698	(1.108)	137833	50.0000	49.502
141 1,3,5-Trichlorobenzene	180	10.368	10.368	(1.151)	143307	50.0000	47.257

QC Flag Legend

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

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\8260LLUX12.m
Start Cal Date: 27-MAY-2004 22:05
End Cal Date : 02-JUN-2004 19:19
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.500		
02-JUN-2004 19:19	3-IX	UX127155.D
27-MAY-2004 22:05	2-8260	UX126992.D
Cal Level: 2 , Cal Amount: 10.000		
02-JUN-2004 18:56	3-IX	UX127154.D
27-MAY-2004 22:28	2-8260	UX126993.D
Cal Level: 3 , Cal Amount: 25.000		
02-JUN-2004 18:33	3-IX	UX127153.D
27-MAY-2004 22:51	2-8260	UX126994.D
Cal Level: 4 , Cal Amount: 50.000		
02-JUN-2004 18:09	3-IX	UX127152.D
27-MAY-2004 23:15	2-8260	UX126995.D
Cal Level: 5 , Cal Amount: 100.00		
02-JUN-2004 17:47	3-IX	UX127151.D
27-MAY-2004 23:38	2-8260	UX126996.D
Cal Level: 6 , Cal Amount: 250.00		
02-JUN-2004 17:24	3-IX	UX127150.D
28-MAY-2004 00:02	2-8260	UX126997.D

Continuing Calibration

25-AUG-2004 16:18	2-8260	UX128983.D
25-AUG-2004 16:43	3-IX	UX128984.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b/UX128983.D
Report Date: 08/25/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux12.i
Lab File ID: UX128983.D
Analysis Type: WATER

Injection Date: 25-AUG-2004 16:18
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T40825A

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	45.6141	8.8	50.0
0 Bromodichloromethane	50.0000	50.5663	1.1	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	44.1963	11.6	50.0
0 Bromoform	50.0000	41.5476	16.9	50.0
0 Styrene	50.0000	47.0724	5.9	50.0
0 Xylene-o	50.0000	45.2802	9.4	50.0
0 Xylenes (total)	150.0000	136.5703	9.0	50.0
0 2-Hexanone	100.0000	70.2462	29.8	50.0
0 Chloromethane	50.0000	60.6894	21.4	50.0
0 Vinyl Chloride	50.0000	50.7305	1.5	20.0
0 Bromomethane	50.0000	52.8932	5.8	50.0
0 Chloroethane	50.0000	62.0216	24.0	50.0
0 1,1-Dichloroethane	50.0000	54.1272	8.3	50.0
0 Tetrachloroethene	50.0000	45.0317	9.9	50.0
0 Acetone	100.0000	96.5495	3.5	50.0
0 1,1-Dichloroethene	50.0000	53.8418	7.7	20.0
0 m + p-Xylene	100.0000	91.2901	8.7	50.0
0 Ethylbenzene	50.0000	45.2666	9.5	20.0
0 Carbon Disulfide	50.0000	57.3170	14.6	50.0
0 Methylene Chloride	50.0000	60.8617	21.7	50.0
0 1,2-Dichloropropane	50.0000	45.5715	8.9	20.0
0 1,1,2-Trichloroethane	50.0000	43.3336	13.3	50.0
0 Dibromochloromethane	50.0000	45.9126	8.2	50.0
0 trans-1,2-Dichloroethene	50.0000	54.4092	8.8	50.0
0 trans-1,3-Dichloropropene	50.0000	41.5789	16.8	50.0
0 cis-1,3-Dichloropropene	50.0000	47.8458	4.3	50.0
0 Chloroform	50.0000	49.3437	1.3	20.0
0 Toluene	50.0000	42.9776	14.0	20.0
0 2-Butanone	100.0000	69.8462	30.2	50.0
0 1,2-Dichloroethene (total)	100.0000	101.3980	1.4	50.0
0 cis-1,2-dichloroethene	50.0000	46.9888	6.0	50.0
0 4-Methyl-2-pentanone	100.0000	79.0734	20.9	50.0
0 1,2-Dichloroethane	50.0000	46.7744	6.5	50.0
0 Trichloroethene	50.0000	49.0276	1.9	50.0
0 1,1,1-Trichloroethane	50.0000	43.8746	12.3	50.0
0 Carbon Tetrachloride	50.0000	51.5554	3.1	50.0
0 Benzene	50.0000	45.0024	10.0	50.0
38 Dichlorodifluoromethane	50.0000	64.7137	29.4	50.0
39 Trichlorofluoromethane	50.0000	63.1927	26.4	50.0

Data File: \\qcanon04\dd\chem\MSV\a3ux12.i\T40825A.b/UX128983.D
Report Date: 08/25/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux12.i
Lab File ID: UX128983.D
Analysis Type: WATER

Injection Date: 25-AUG-2004 16:18
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux12.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
40 Acrolein	500.0000	530.8747	6.2	50.0
41 Acrylonitrile	500.0000	505.4199	1.1	50.0
42 Vinyl acetate	50.0000	51.2836	2.6	50.0
43 2-Chloroethyl vinyl ether	100.0000	96.1020	3.9	50.0
47 Freon-113	50.0000	52.3334	4.7	50.0
48 1,3-Dichlorobenzene	50.0000	45.0545	9.9	50.0
49 1,4-Dichlorobenzene	50.0000	44.8983	10.2	50.0
50 1,2-Dichlorobenzene	50.0000	45.2234	9.6	50.0
51 Acetonitrile	500.0000	527.4395	5.5	50.0
52 Iodomethane	50.0000	35.6079	28.8	50.0
59 1,4-Dioxane	2500.0000	2264.5636	9.4	50.0
60 Dibromomethane	50.0000	48.2854	3.4	50.0
62 Ethyl Methacrylate	50.0000	37.7697	24.5	50.0
63 1,2-Dibromoethane	50.0000	42.4201	15.2	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	47.8514	4.3	50.0
65 1,2,3-Trichloropropane	50.0000	45.7242	8.6	50.0
66 1,4-Dichloro-2-butene	50.0000	35.2712	29.5	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	41.0006	18.0	50.0
82 Methyl tert-butyl ether	50.0000	32.6820	34.6	50.0
84 Tetrahydrofuran	50.0000	53.0227	6.0	50.0
98 2,2-Dichloropropane	50.0000	41.5918	16.8	50.0
99 1,1-Dichloropropene	50.0000	46.4139	7.2	50.0
100 1,3-Dichloropropane	50.0000	41.3966	17.2	50.0
102 Bromobenzene	50.0000	45.2627	9.5	50.0
103 2-Chlorotoluene	50.0000	46.2236	7.6	50.0
104 n-Propylbenzene	50.0000	46.6253	6.7	50.0
105 4-Chlorotoluene	50.0000	46.5320	6.9	50.0
106 1,3,5-Trimethylbenzene	50.0000	45.5916	8.8	50.0
107 tert-Butylbenzene	50.0000	43.9446	12.1	50.0
108 1,2,4-Trimethylbenzene	50.0000	45.3446	9.3	50.0
109 sec-Butylbenzene	50.0000	45.9027	8.2	50.0
110 4-Isopropyltoluene	50.0000	45.9419	8.1	50.0
111 n-Butylbenzene	50.0000	47.0136	6.0	50.0
112 1,2,4-Trichlorobenzene	50.0000	49.1479	1.7	50.0
113 Naphthalene	50.0000	55.9849	12.0	50.0
114 Hexachlorobutadiene	50.0000	42.2334	15.5	50.0
115 1,2,3-Trichlorobenzene	50.0000	55.5383	11.1	50.0
124 tert-Butyl Alcohol	1000.0000	1017.8189	1.8	50.0

Data File: \\qcanon04\dd\chem\MSV\a3ux12.i\T40825A.b/UX128983.D
Report Date: 08/25/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux12.i
Lab File ID: UX128983.D
Analysis Type: WATER

Injection Date: 25-AUG-2004 16:18
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux12.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
125 Hexane	50.0000	48.1304	3.7	20.0
127 Cyclohexane	50.0000	41.4206	17.2	50.0
128 Isopropylbenzene	50.0000	40.7493	18.5	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	47.6796	4.6	50.0
141 1,3,5-Trichlorobenzene	50.0000	46.1327	7.7	50.0
143 Methyl Acetate	100.0000	90.5265	9.5	50.0
144 Methylcyclohexane	50.0000	47.7758	4.4	50.0
22 Toluene-d8	50.0000	51.1142	2.2	50.0
32 Bromofluorobenzene	50.0000	48.7483	2.5	50.0
47 1,2-Dichloroethane-d4	50.0000	54.0802	8.2	50.0
131 Dibromofluoromethane	50.0000	55.8246	11.6	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128983.D
Report Date: 25-Aug-2004 17:07

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux12.i
Lab File ID: UX128983.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\DD\chem\MSV\a3ux12.i\T40825A.b\8260LLUX12.m

Injection Date: 25-AUG-2004 16:18
Init. Cal. Date(s): 27-MAY-2004 02-JUN-2004
Init. Cal. Times: 22:05 19:19
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
$	4 Dibromofluoromethane	0.21033	0.23483	0.010	11.6	50.0
$	5 1,2-Dichloroethane-d4	0.26483	0.28644	0.010	8.2	50.0
$	6 Toluene-d8	1.03025	1.05321	0.010	2.2	50.0
$	7 Bromofluorobenzene	0.43157	0.42076	0.010	-2.5	50.0
	8 Dichlorodifluoromethane	0.24802	0.32101	0.010	29.4	50.0
	9 Chloromethane	0.41201	0.50009	0.100	21.4	50.0
	10 Vinyl Chloride	0.35271	0.35786	0.010	1.5	20.0
	11 Bromomethane	0.21561	0.22809	0.010	5.8	50.0
	12 Chloroethane	0.22318	0.27684	0.010	24.0	50.0
	13 Trichlorofluoromethane	0.32986	0.41690	0.010	26.4	50.0
	15 Acrolein	0.03722	0.03952	0.010	6.2	50.0
	16 Acetone	100	96.54954	0.010	3.5	50.0
	17 1,1-Dichloroethene	50.00000	53.84183	0.010	-7.7	20.0
	18 Freon-113	50.00000	52.33343	0.010	-4.7	50.0
	19 Iodomethane	0.37588	0.26769	0.010	-28.8	50.0
	20 Carbon Disulfide	0.85489	0.98000	0.010	14.6	50.0
	21 Methylene Chloride	0.28517	0.34712	0.010	21.7	50.0
	22 Acetonitrile	0.03920	0.04136	0.010	5.5	50.0
	23 Acrylonitrile	0.10167	0.10278	0.010	1.1	50.0
	24 Methyl tert-butyl ether	0.73624	0.48124	0.010	-34.6	50.0
	25 trans-1,2-Dichloroethene	0.25227	0.27451	0.010	8.8	50.0
	26 Hexane	0.20662	0.19890	0.010	-3.7	20.0
	27 Vinyl acetate	0.39314	0.40324	0.010	2.6	50.0
	28 1,1-Dichloroethane	0.41333	0.44745	0.100	8.3	50.0
	29 tert-Butyl Alcohol	0.02351	0.02393	0.010	1.8	50.0
	30 2-Butanone	0.19358	0.13521	0.010	-30.2	50.0
M	31 1,2-Dichloroethene (total)	0.25937	0.26247	0.010	1.2	50.0
	32 cis-1,2-dichloroethene	0.26646	0.25042	0.010	-6.0	50.0
	33 2,2-Dichloropropane	0.14508	0.12068	0.010	-16.8	50.0
	34 Bromochloromethane	0.13027	0.12422	0.010	-4.6	50.0
	35 Chloroform	0.41500	0.40956	0.010	-1.3	20.0
	36 Tetrahydrofuran	50.00000	53.02265	0.010	-6.0	50.0
	37 1,1,1-Trichloroethane	0.33193	0.29126	0.010	-12.3	50.0
	38 1,1-Dichloropropene	0.31745	0.29468	0.010	-7.2	50.0
	39 Carbon Tetrachloride	0.26775	0.27608	0.010	3.1	50.0
	40 1,2-Dichloroethane	0.33595	0.31428	0.010	-6.5	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128983.D
Report Date: 25-Aug-2004 17:07

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux12.i
Lab File ID: UX128983.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\DD\chem\MSV\a3ux12.i\T40825A.b\8260LLUX12.m

Injection Date: 25-AUG-2004 16:18
Init. Cal. Date(s): 27-MAY-2004 02-JUN-2004
Init. Cal. Times: 22:05 19:19
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	41 Benzene	1.10967	0.99876	0.010	-10.0	50.0
	42 Trichloroethene	0.28750	0.28191	0.010	-1.9	50.0
	43 1,2-Dichloropropane	0.24295	0.22143	0.010	-8.9	20.0
	44 1,4-Dioxane	2500	2265	0.010	9.4	50.0
	45 Dibromomethane	0.14636	0.14134	0.010	-3.4	50.0
	46 Bromodichloromethane	0.30732	0.31081	0.010	1.1	50.0
	47 2-Chloroethyl vinyl ether	0.09496	0.09126	0.010	-3.9	50.0
	48 cis-1,3-Dichloropropene	0.40297	0.38561	0.010	-4.3	50.0
	49 4-Methyl-2-pentanone	0.30082	0.23787	0.010	-20.9	50.0
	50 Toluene	1.35545	1.16508	0.010	-14.0	20.0
	51 trans-1,3-Dichloropropene	0.43826	0.36444	0.010	-16.8	50.0
	52 Ethyl Methacrylate	0.44295	0.33460	0.010	-24.5	50.0
	53 1,1,2-Trichloroethane	0.28058	0.24317	0.010	-13.3	50.0
	54 1,3-Dichloropropane	0.52549	0.43507	0.010	-17.2	50.0
	55 Tetrachloroethene	0.25882	0.23310	0.010	-9.9	50.0
	56 2-Hexanone	0.29773	0.20914	0.010	-29.8	50.0
	57 Dibromochloromethane	0.27793	0.25521	0.010	-8.2	50.0
	58 1,2-Dibromoethane	0.30071	0.25513	0.010	-15.2	50.0
	59 Chlorobenzene	0.93695	0.85476	0.300	-8.8	50.0
	60 1,1,1,2-Tetrachloroethane	0.31054	0.29719	0.010	-4.3	50.0
	61 Ethylbenzene	0.47372	0.42887	0.010	-9.5	20.0
	62 m + p-Xylene	0.60020	0.54793	0.010	-8.7	50.0
M	63 Xylenes (total)	0.59638	0.54301	0.010	-9.0	50.0
	64 Xylene-o	0.58875	0.53317	0.010	-9.4	50.0
	65 Styrene	1.04580	0.98457	0.010	-5.9	50.0
	66 Bromoform	50.00000	41.54759	0.100	16.9	50.0
	67 Isopropylbenzene	1.25134	1.01982	0.010	-18.5	50.0
	68 1,1,2,2-Tetrachloroethane	0.72561	0.64139	0.300	-11.6	50.0
	69 1,4-Dichloro-2-butene	50.00000	35.27121	0.010	29.5	50.0
	70 1,2,3-Trichloropropane	0.27791	0.25415	0.010	-8.6	50.0
	71 Bromobenzene	0.81773	0.74025	0.010	-9.5	50.0
	72 n-Propylbenzene	0.64854	0.60477	0.010	-6.7	50.0
	73 2-Chlorotoluene	0.65438	0.60496	0.010	-7.6	50.0
	74 1,3,5-Trimethylbenzene	1.89762	1.73031	0.010	-8.8	50.0
	75 4-Chlorotoluene	0.69841	0.64997	0.010	-6.9	50.0
	76 tert-Butylbenzene	1.58150	1.38997	0.010	-12.1	50.0

RF = 0.1725 ✓
8-27-4

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128983.D
Report Date: 25-Aug-2004 17:07

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

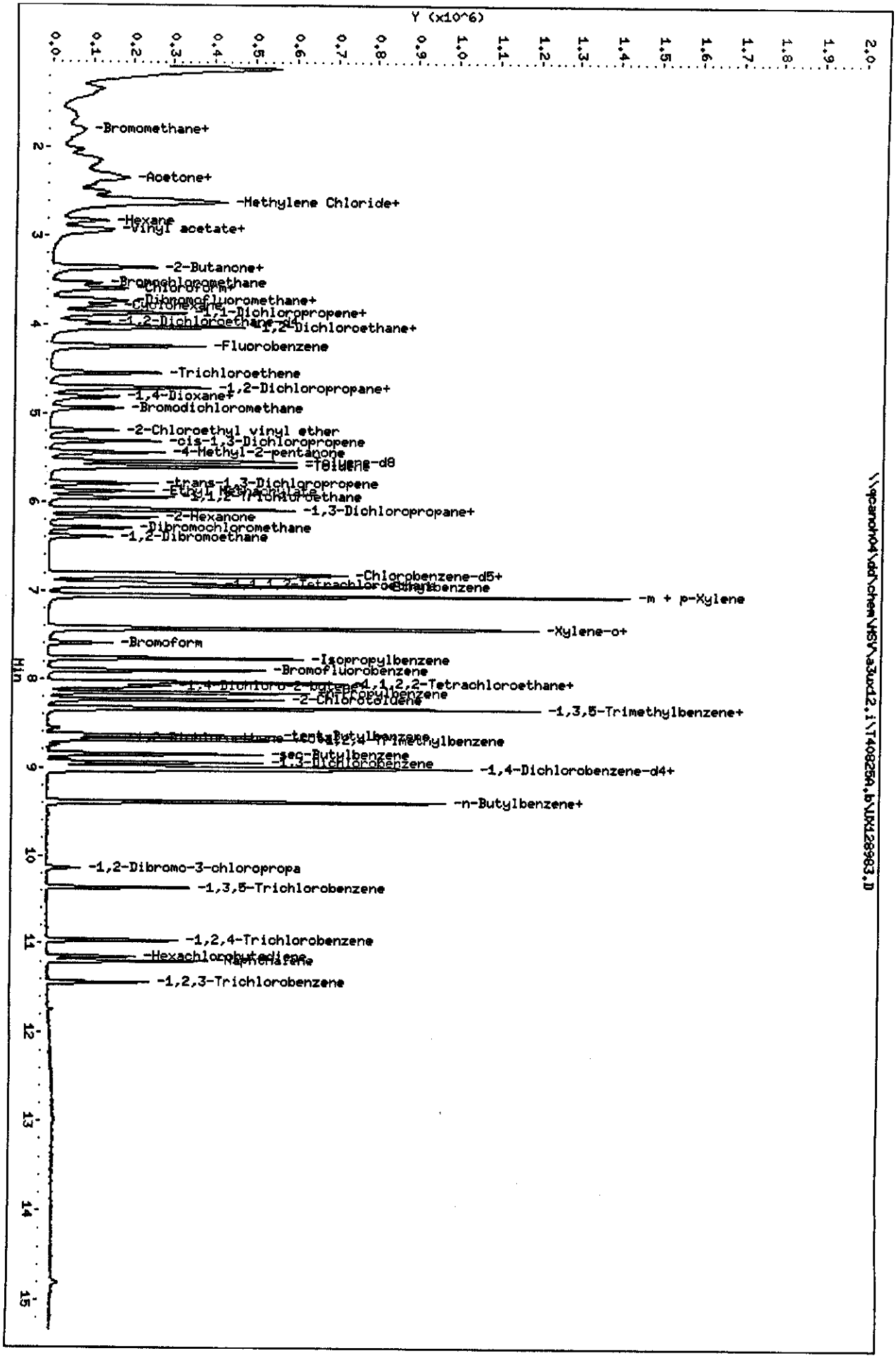
Instrument ID: a3ux12.i
Lab File ID: UX128983.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\DD\chem\MSV\a3ux12.i\T40825A.b\8260LLUX12.m

Injection Date: 25-AUG-2004 16:18
Init. Cal. Date(s): 27-MAY-2004 02-JUN-2004
Init. Cal. Times: 22:05 19:19
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	1.99605	1.81020	0.010	-9.3	50.0
78 sec-Butylbenzene	2.07325	1.90335	0.010	-8.2	50.0
79 4-Isopropyltoluene	1.78824	1.64310	0.010	-8.1	50.0
80 1,3-Dichlorobenzene	1.32291	1.19206	0.010	-9.9	50.0
81 1,4-Dichlorobenzene	1.42262	1.27746	0.010	-10.2	50.0
82 n-Butylbenzene	1.40936	1.32518	0.010	-6.0	50.0
83 1,2-Dichlorobenzene	1.30960	1.18449	0.010	-9.6	50.0
84 1,2-Dibromo-3-chloropropane	50.00000	41.00061	0.010	18.0	50.0
85 1,2,4-Trichlorobenzene	0.53651	0.52737	0.010	-1.7	50.0
86 Hexachlorobutadiene	0.24679	0.20845	0.010	-15.5	50.0
87 Naphthalene	50.00000	55.98492	0.010	-12.0	50.0
88 1,2,3-Trichlorobenzene	0.36313	0.40336	0.010	11.1	50.0
98 Cyclohexane	50.00000	41.42058	0.010	17.2	50.0
143 Methyl Acetate	0.22475	0.20346	0.010	-9.5	50.0
144 Methylcyclohexane	0.26303	0.25133	0.010	-4.4	50.0
141 1,3,5-Trichlorobenzene	0.65765	0.60678	0.010	-7.7	50.0

Data File: \\qcandh04\dd\chem\HSV\a3ux12.i\T408250.b\UX128983.D
Date : 25-AUG-2004 16:18
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128983.D
Report Date: 25-Aug-2004 17:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128983.D
Lab Smp Id: 50NG-CC
Inj Date : 25-AUG-2004 16:18
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 50NG-CC
Misc Info : T40825A,8260LLUX12,2-8260.SUB,1903,2
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40825A.b\8260LLUX12.m
Meth Date : 25-Aug-2004 17:07 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV04

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	4.242	4.242	(1.000)	409597	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	402097	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.012	9.012	(1.000)	194398	50.0000	
$ 4 Dibromofluoromethane	113	3.713	3.713	(0.875)	96186	50.0000	55.825
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	117327	50.0000	54.080
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	423491	50.0000	51.114
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	169188	50.0000	48.748
8 Dichlorodifluoromethane	85	1.225	1.225	(0.289)	131484	50.0000	64.714
9 Chloromethane	50	1.346	1.346	(0.317)	204834	50.0000	60.689
10 Vinyl Chloride	62	1.413	1.413	(0.333)	146579	50.0000	50.730
11 Bromomethane	94	1.614	1.614	(0.381)	93425	50.0000	52.893
12 Chloroethane	64	1.693	1.693	(0.399)	113393	50.0000	62.022
13 Trichlorofluoromethane	101	1.821	1.821	(0.429)	170761	50.0000	63.193
15 Acrolein	56	2.021	2.021	(0.477)	161853	500.000	530.87
16 Acetone	43	2.131	2.131	(0.502)	110027	100.000	96.550
17 1,1-Dichloroethene	96	2.192	2.192	(0.517)	119503	50.0000	53.842
18 Freon-113	151	2.186	2.186	(0.515)	77181	50.0000	52.333

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128983.D
Report Date: 25-Aug-2004 17:07

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.295	2.295	(0.541)	109644	50.0000	35.608
	20 Carbon Disulfide	76	2.320	2.320	(0.547)	401404	50.0000	57.317
	21 Methylene Chloride	84	2.526	2.526	(0.596)	142181	50.0000	60.862
	22 Acetonitrile	41	2.307	2.307	(0.544)	169391	500.000	527.44
	23 Acrylonitrile	53	2.587	2.587	(0.610)	420966	500.000	505.42
	24 Methyl tert-butyl ether	73	2.624	2.624	(0.619)	197113	50.0000	32.682
	25 trans-1,2-Dichloroethene	96	2.624	2.624	(0.619)	112440	50.0000	54.409
	26 Hexane	57	2.825	2.825	(0.666)	81467	50.0000	48.130
	27 Vinyl acetate	43	2.958	2.958	(0.697)	165164	50.0000	51.284
	28 1,1-Dichloroethane	63	2.928	2.928	(0.690)	183274	50.0000	54.127
	29 tert-Butyl Alcohol	59	2.502	2.502	(0.590)	196046	1000.00	1017.8(A)
	30 2-Butanone	43	3.360	3.360	(0.792)	110763	100.000	69.846
M	31 1,2-Dichloroethene (total)	96				215010	100.000	101.40
	32 cis-1,2-dichloroethene	96	3.354	3.354	(0.791)	102570	50.0000	46.989
	33 2,2-Dichloropropane	77	3.348	3.348	(0.789)	49431	50.0000	41.592
	34 Bromochloromethane	128	3.530	3.530	(0.832)	50881	50.0000	47.680
	35 Chloroform	83	3.591	3.591	(0.847)	167753	50.0000	49.344
	36 Tetrahydrofuran	42	3.573	3.573	(0.842)	37812	50.0000	53.023
	37 1,1,1-Trichloroethane	97	3.743	3.743	(0.882)	119301	50.0000	43.875
	38 1,1-Dichloropropene	75	3.865	3.865	(0.911)	120700	50.0000	46.414
	39 Carbon Tetrachloride	117	3.871	3.871	(0.913)	113082	50.0000	51.555
	40 1,2-Dichloroethane	62	4.035	4.035	(0.951)	128727	50.0000	46.774
	41 Benzene	78	4.023	4.023	(0.948)	409088	50.0000	45.002
	42 Trichloroethene	130	4.540	4.540	(1.070)	115469	50.0000	49.028
	43 1,2-Dichloropropane	63	4.717	4.717	(1.112)	90697	50.0000	45.571
	44 1,4-Dioxane	88	4.826	4.826	(1.138)	52583	2500.00	2264.6(A)
	45 Dibromomethane	93	4.808	4.808	(1.133)	57892	50.0000	48.285
	46 Bromodichloromethane	83	4.936	4.936	(1.163)	127305	50.0000	50.566
	47 2-Chloroethyl vinyl ether	63	5.191	5.191	(1.224)	74757	100.000	96.102
	48 cis-1,3-Dichloropropene	75	5.313	5.313	(1.252)	157945	50.0000	47.846
	49 4-Methyl-2-pentanone	43	5.440	5.440	(1.282)	194861	100.000	79.073
	50 Toluene	91	5.605	5.605	(0.822)	468474	50.0000	42.978
	51 trans-1,3-Dichloropropene	75	5.787	5.787	(0.849)	146542	50.0000	41.579
	52 Ethyl Methacrylate	69	5.878	5.878	(0.863)	134541	50.0000	37.770
	53 1,1,2-Trichloroethane	97	5.945	5.945	(0.872)	97779	50.0000	43.334
	54 1,3-Dichloropropane	76	6.091	6.091	(0.894)	174940	50.0000	41.396
	55 Tetrachloroethene	164	6.079	6.079	(0.892)	93728	50.0000	45.032
	56 2-Hexanone	43	6.170	6.170	(0.905)	168191	100.000	70.246
	57 Dibromochloromethane	129	6.292	6.292	(0.923)	102619	50.0000	45.912
	58 1,2-Dibromoethane	107	6.389	6.389	(0.938)	102585	50.0000	42.420
	59 Chlorobenzene	112	6.840	6.840	(1.004)	343698	50.0000	45.614
	60 1,1,1,2-Tetrachloroethane	131	6.913	6.913	(1.014)	119501	50.0000	47.851
	61 Ethylbenzene	106	6.943	6.943	(1.019)	172449	50.0000	45.266
	62 m + p-Xylene	106	7.059	7.059	(1.036)	440638	100.000	91.290
M	63 Xylenes (total)	106				655025	150.000	136.57
	64 Xylene-o	106	7.418	7.418	(1.088)	214387	50.0000	45.280
	65 Styrene	104	7.430	7.430	(1.090)	395893	50.0000	47.072

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128983.D
Report Date: 25-Aug-2004 17:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	7.594	7.594	(1.114)	69371	50.0000	41.548
67 Isopropylbenzene	105	7.770	7.770	(1.140)	410068	50.0000	40.749
68 1,1,2,2-Tetrachloroethane	83	8.044	8.044	(0.893)	124684	50.0000	44.196
69 1,4-Dichloro-2-butene	53	8.099	8.099	(0.899)	28570	50.0000	35.271
70 1,2,3-Trichloropropane	110	8.081	8.081	(0.897)	49406	50.0000	45.724
71 Bromobenzene	156	8.044	8.044	(0.893)	143904	50.0000	45.263
72 n-Propylbenzene	120	8.160	8.160	(0.905)	117566	50.0000	46.625
73 2-Chlorotoluene	126	8.233	8.233	(0.914)	117603	50.0000	46.224
74 1,3,5-Trimethylbenzene	105	8.330	8.330	(0.924)	336369	50.0000	45.592
75 4-Chlorotoluene	126	8.336	8.336	(0.925)	126352	50.0000	46.532(H)
76 tert-Butylbenzene	119	8.640	8.640	(0.959)	270207	50.0000	43.944
77 1,2,4-Trimethylbenzene	105	8.689	8.689	(0.964)	351900	50.0000	45.344
78 sec-Butylbenzene	105	8.853	8.853	(0.982)	370008	50.0000	45.903
79 4-Isopropyltoluene	119	8.999	8.999	(0.999)	319416	50.0000	45.942
80 1,3-Dichlorobenzene	146	8.945	8.945	(0.993)	231734	50.0000	45.054
81 1,4-Dichlorobenzene	146	9.030	9.030	(1.002)	248336	50.0000	44.898
82 n-Butylbenzene	91	9.395	9.395	(1.043)	257613	50.0000	47.014
83 1,2-Dichlorobenzene	146	9.389	9.389	(1.042)	230263	50.0000	45.223
84 1,2-Dibromo-3-chloropropane	157	10.143	10.143	(1.126)	21943	50.0000	41.001
85 1,2,4-Trichlorobenzene	180	10.964	10.964	(1.217)	102519	50.0000	49.148
86 Hexachlorobutadiene	225	11.147	11.147	(1.237)	40523	50.0000	42.233
87 Naphthalene	128	11.196	11.196	(1.242)	303447	50.0000	55.985
88 1,2,3-Trichlorobenzene	180	11.439	11.439	(1.269)	78412	50.0000	55.538
98 Cyclohexane	56	3.786	3.786	(0.892)	114454	50.0000	41.420
143 Methyl Acetate	43	2.350	2.350	(0.554)	166672	100.000	90.526
144 Methylcyclohexane	83	4.698	4.698	(1.108)	102942	50.0000	47.776
141 1,3,5-Trichlorobenzene	180	10.368	10.368	(1.151)	117957	50.0000	46.133

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

SEVERN TRENT STL

RAW QC DATA

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\BFB380.D

Date : 21-AUG-2004 07:56

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

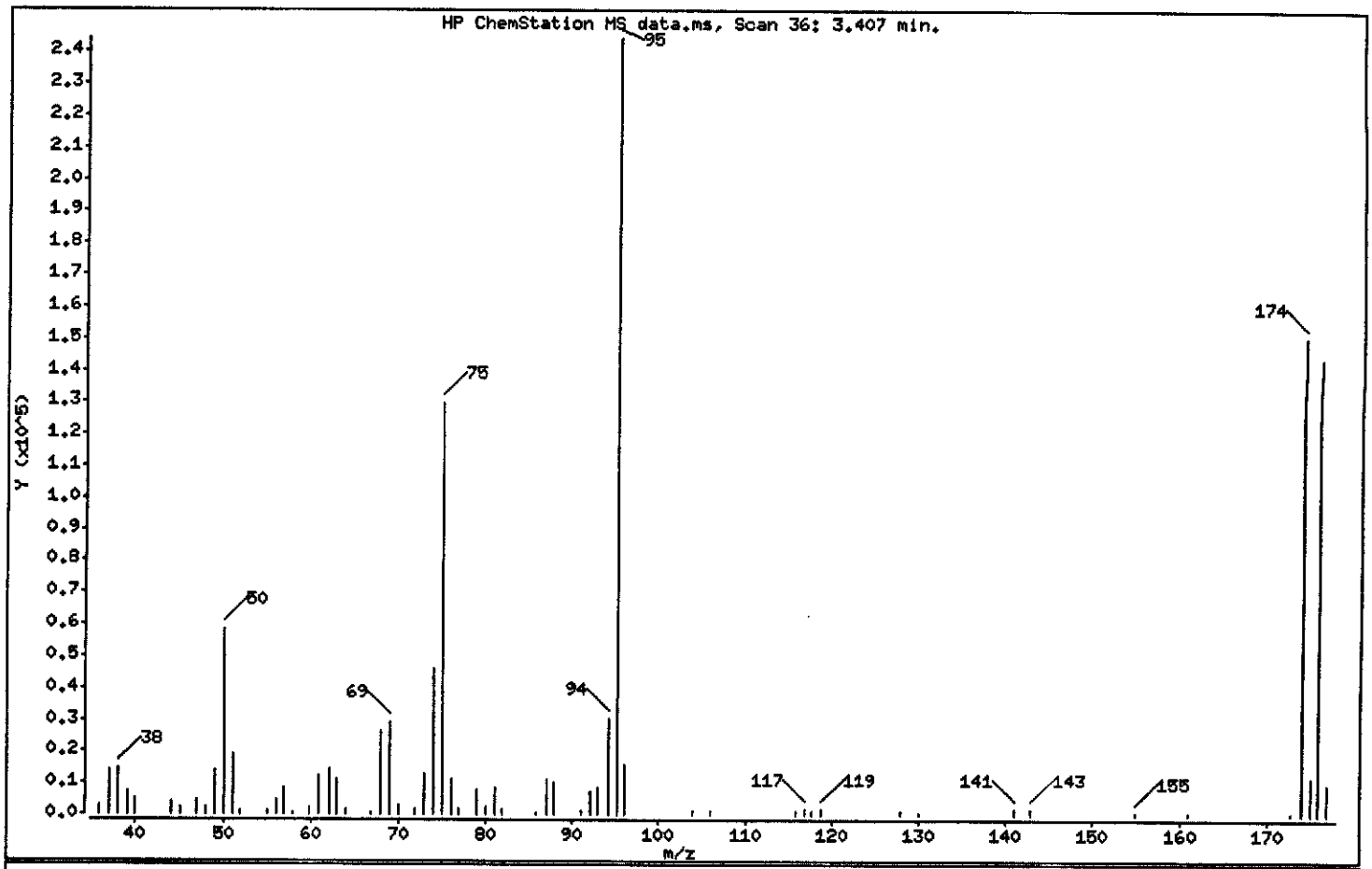
Volume Injected (uL): 1.0

Operator: 1754

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	23.87
75	30.00 - 60.00% of mass 95	53.21
96	5.00 - 9.00% of mass 95	6.32
173	Less than 2.00% of mass 174	0.30 (0.49)
174	50.00 - 100.00% of mass 95	61.57
175	5.00 - 9.00% of mass 174	4.86 (7.89)
176	95.00 - 101.00% of mass 174	58.90 (95.66)
177	5.00 - 9.00% of mass 176	3.79 (6.44)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\BFB380.D

Date : 21-AUG-2004 07:56

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

Data File: BFB380.D

Spectrum: HP ChemStation MS data.ms, Scan 36: 3.407 min.

Location of Maximum: 95.05

Number of points: 62

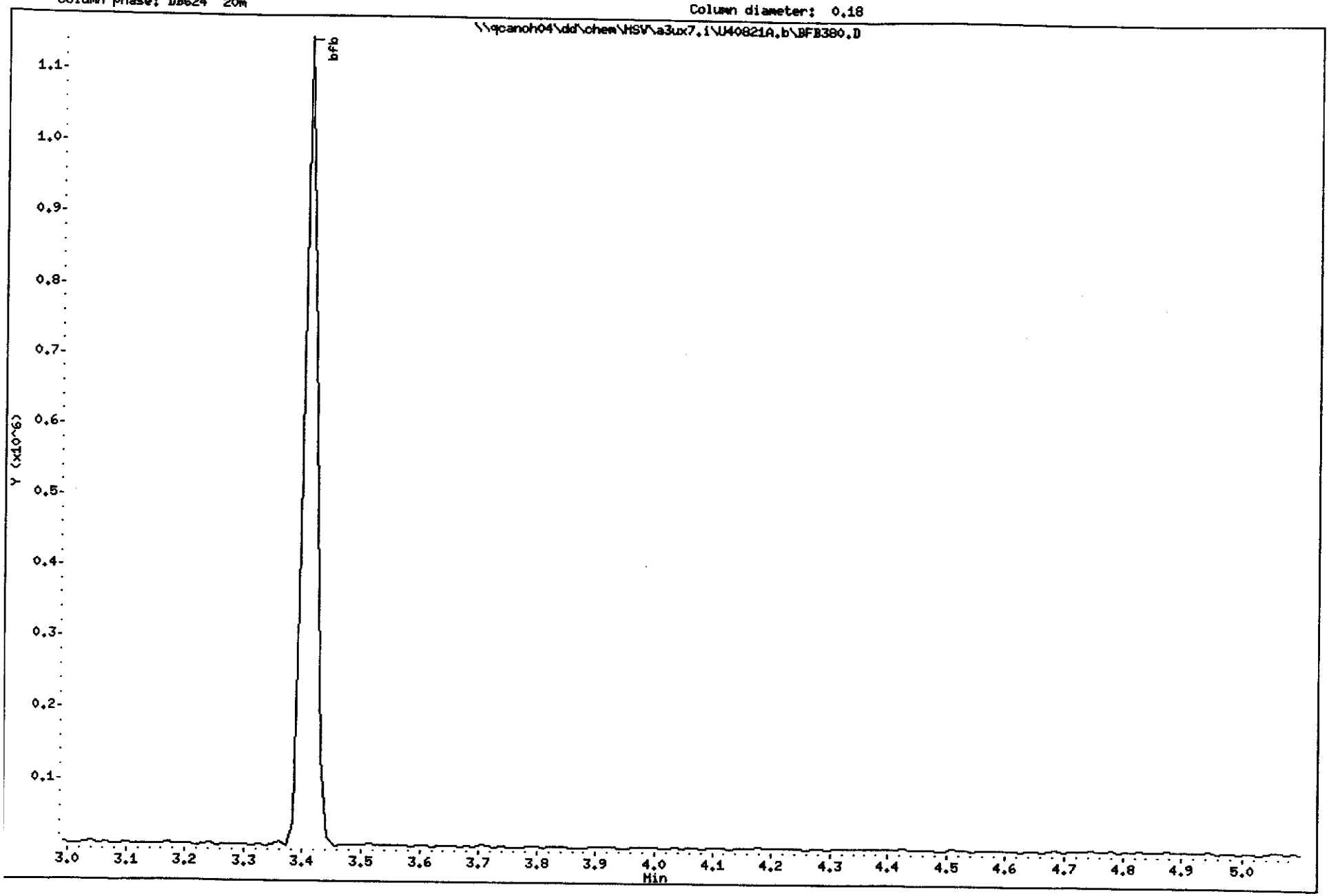
m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.95	2920	57.95	530	78.85	7661	116.85	1475
37.05	14301	59.95	2308	79.95	2044	117.75	1148
38.05	14417	60.95	12190	80.95	8491	118.85	1516
39.05	7437	62.05	14820	81.85	1868	127.85	962
39.95	4987	62.95	11153	85.85	695	129.95	814
44.05	4003	64.05	1570	86.95	11113	140.95	1740
45.05	2481	66.85	758	87.95	10198	142.85	1652
46.95	4647	67.95	26640	90.95	1079	154.85	713
47.95	1990	69.05	28976	91.95	7423	160.95	581
49.05	13907	70.05	2555	92.95	8403	172.85	734
50.05	58280	71.95	1891	94.05	30400	173.95	150336
51.05	18856	72.95	12894	95.05	244160	174.95	11863
52.05	1003	74.05	46104	96.05	15436	175.95	143808
55.05	1260	75.05	129928	103.85	1190	176.95	9265
56.05	4512	76.05	11063	105.85	1015		
57.05	8557	76.85	1582	115.95	1092		

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\BFB380.D
Date : 21-AUG-2004 07:56
Client ID: 50NGBFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20m

Page 1

Instrument: a3ux7.i

Operator: 1754
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\BFB382.D

Date : 23-AUG-2004 08:13

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

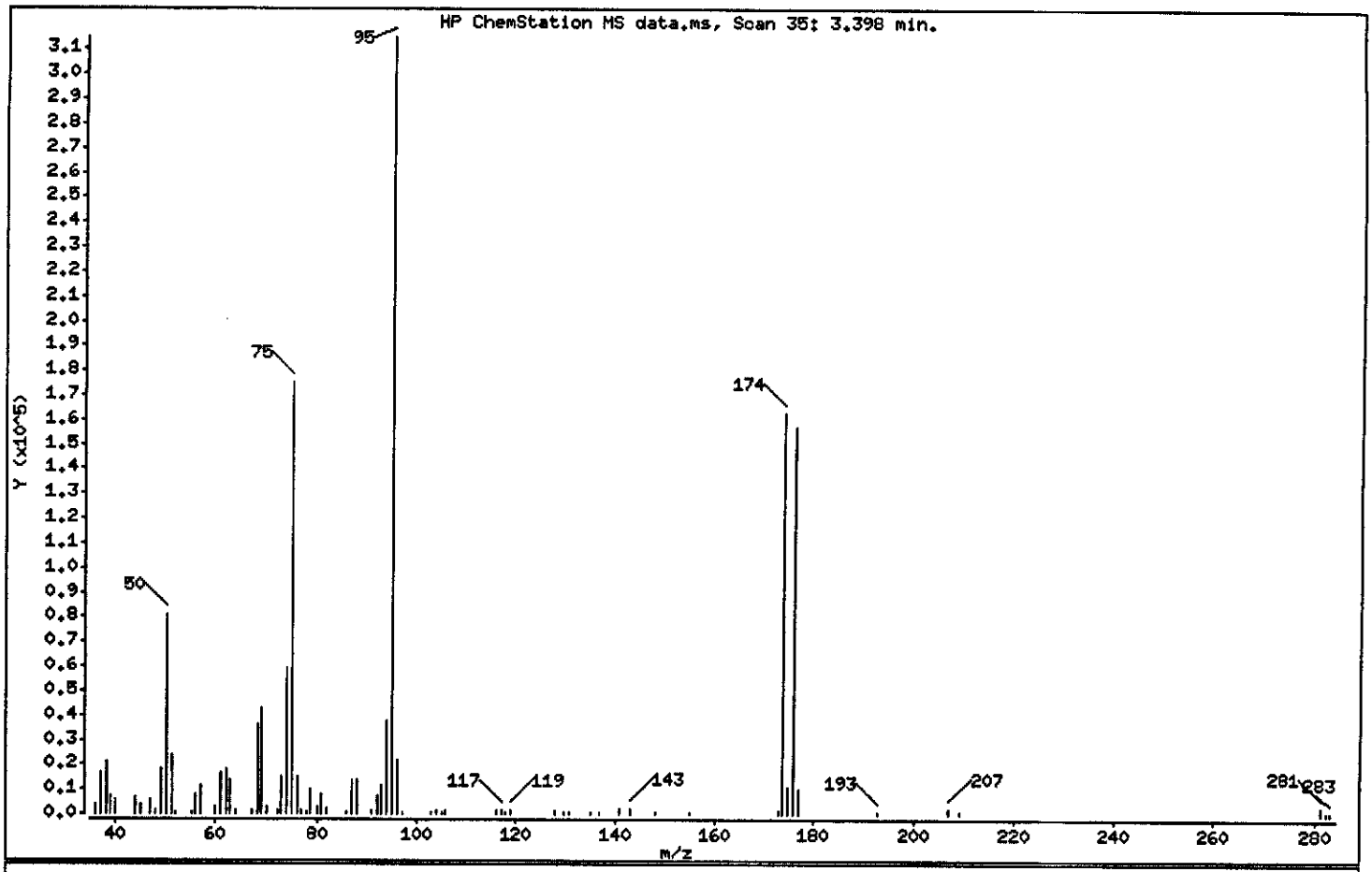
Volume Injected (uL): 1.0

Operator: 1754

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	25.72
75	30.00 - 60.00% of mass 95	55.68
96	5.00 - 9.00% of mass 95	6.97
173	Less than 2.00% of mass 174	0.38 (0.74)
174	50.00 - 100.00% of mass 95	51.78
175	5.00 - 9.00% of mass 174	3.54 (6.83)
176	95.00 - 101.00% of mass 174	49.83 (96.23)
177	5.00 - 9.00% of mass 176	3.17 (6.37)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\BFB382.D

Date : 23-AUG-2004 08:13

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

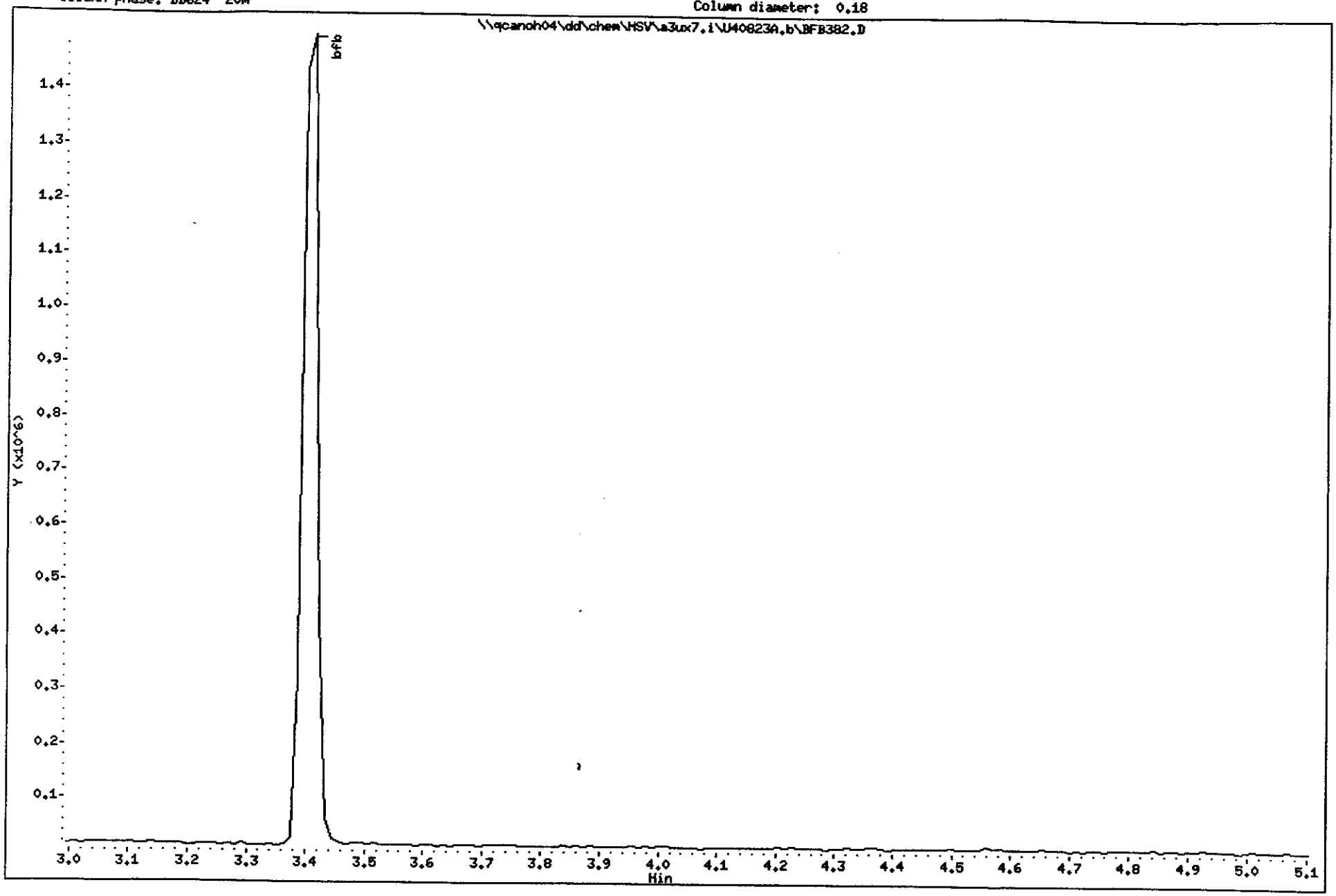
Data File: BFB382.D
Spectrum: HP ChemStation MS data.ms, Scan 35: 3.398 min.
Location of Maximum: 95.05
Number of points: 74

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.95	3272	62.95	13534	87.95	13508	134.95	633
37.05	16600	64.05	1202	90.85	1729	136.95	641
38.05	20728	66.95	1132	91.95	7118	140.85	1885
38.95	6966	68.05	36016	92.95	11297	142.95	2320
39.95	5471	69.05	43032	94.05	37944	147.95	729
44.05	6171	70.05	3172	95.05	314688	154.95	571
44.95	3795	72.05	1508	96.05	21928	173.05	1198
46.95	6020	72.95	15443	97.05	831	173.95	162944
47.95	1598	73.95	59088	103.05	615	174.95	11126
49.05	18208	75.05	175232	103.95	1644	175.95	156800
50.05	80944	76.05	14954	105.05	529	176.95	9981
51.05	23816	76.95	1567	105.85	1538	193.05	948
51.95	1063	78.05	797	115.95	1311	207.05	2117
55.05	585	78.85	9774	116.95	1766	209.05	522
55.95	7717	80.05	2716	117.85	511	281.05	2820
57.05	11285	80.95	8204	118.85	1364	282.15	946
60.05	2975	81.95	2469	127.95	1198	283.05	572
60.95	16472	86.05	600	129.85	950		
62.05	18272	86.95	14086	130.85	602		

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40823A.b\BFB382.D
Date : 23-AUG-2004 08:13
Client ID: 50NGBFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20m

Instrument: a3ux7.i

Operator: 1754
Column diameter: 0.18



Data File: \\qcanch04\dd\chem\MSV\a3ux12.i\T40527-IC.b\BFB677.D

Date : 27-MAY-2004 21:07

Client ID: 50NG BFB

Instrument: a3ux12.i

Sample Info: 50NG BFB

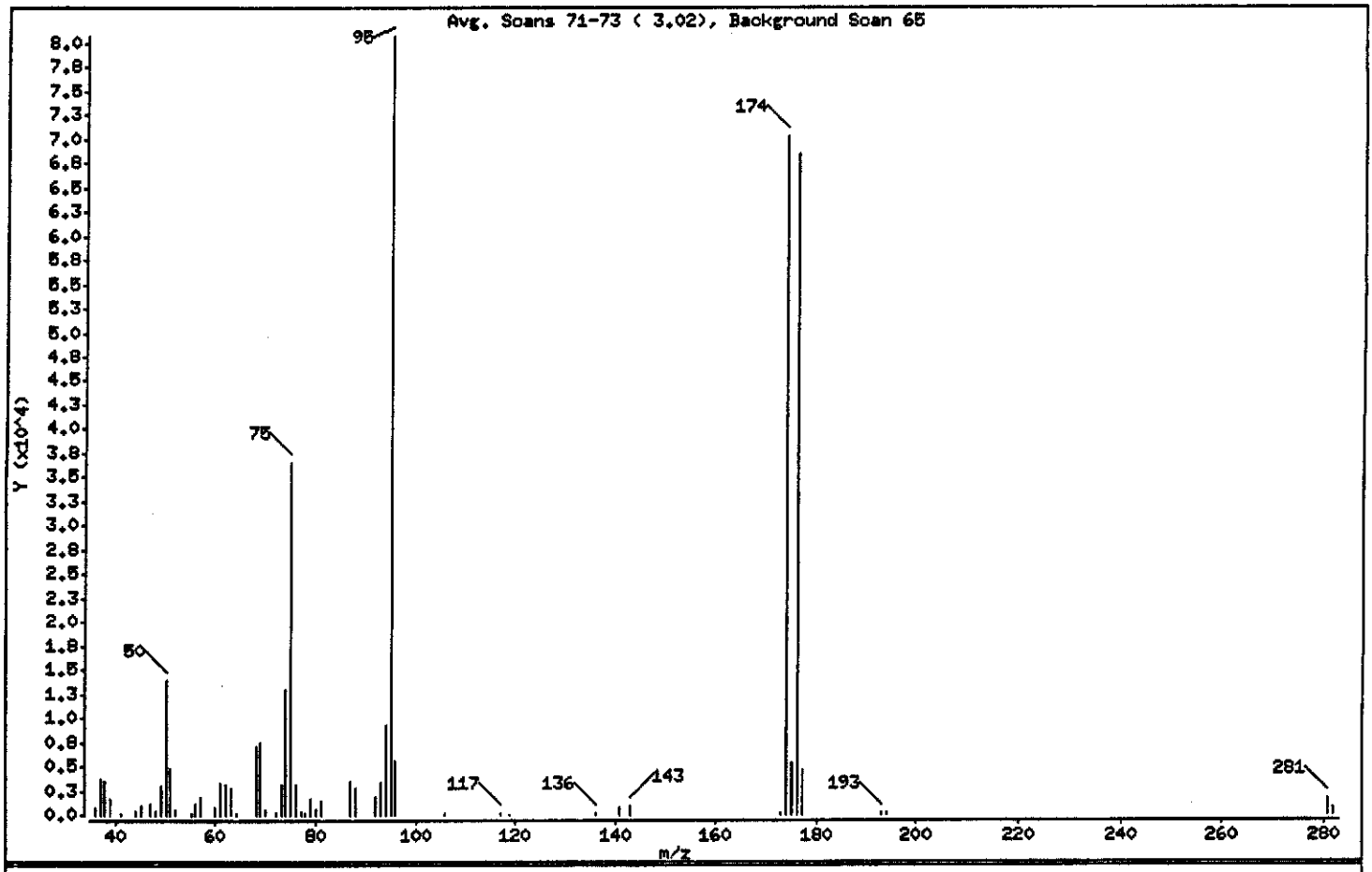
Volume Injected (uL): 1.0

Operator: 1903

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	17.16
75	30.00 - 60.00% of mass 95	45.34
96	5.00 - 9.00% of mass 95	6.99
173	Less than 2.00% of mass 174	0.26 (0.30)
174	50.00 - 100.00% of mass 95	87.15
175	5.00 - 9.00% of mass 174	6.66 (7.64)
176	95.00 - 101.00% of mass 174	84.88 (97.40)
177	5.00 - 9.00% of mass 176	5.65 (6.66)

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40527-IC.b\BFB677.D

Date : 27-MAY-2004 21:07

Client ID: 50NG BFB Instrument: a3ux12.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: 1903

Column phase: DB624 20M Column diameter: 0.18

Data File: BFB677.D
Spectrum: Avg. Scans 71-73 (3.02), Background Scan 65
Location of Maximum: 95.00
Number of points: 56

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	671	57.00	1795	78.00	237	141.00	663
37.00	3647	60.00	656	79.00	1660	143.00	900
38.00	3448	61.00	3250	80.00	612	173.00	209
39.00	1758	62.00	3075	81.00	1575	174.00	70336
41.00	167	63.00	2788	87.00	3434	175.00	5372
44.00	454	64.00	185	88.00	2836	176.00	68504
45.00	854	68.00	7078	92.00	1819	177.00	4561
47.00	1184	69.00	7492	93.00	3332	193.00	184
48.00	374	70.00	632	94.00	9204	194.00	124
49.00	2963	72.00	214	95.00	80712	281.00	1668
50.00	13855	73.00	3207	96.00	5641	282.00	758
51.00	4912	74.00	12968	106.00	173		
52.00	512	75.00	36592	117.00	199		
55.00	193	76.00	3113	119.00	80		
56.00	1033	77.00	425	136.00	168		

Data File: \\qcanoh04\dd\chem\MSV\a3uxi2.i\T40527-IC.b\BFB677.D

Page 2

Date : 27-MAY-2004 21:07

Client ID: 50NG BFB

Instrument: a3uxi2.i

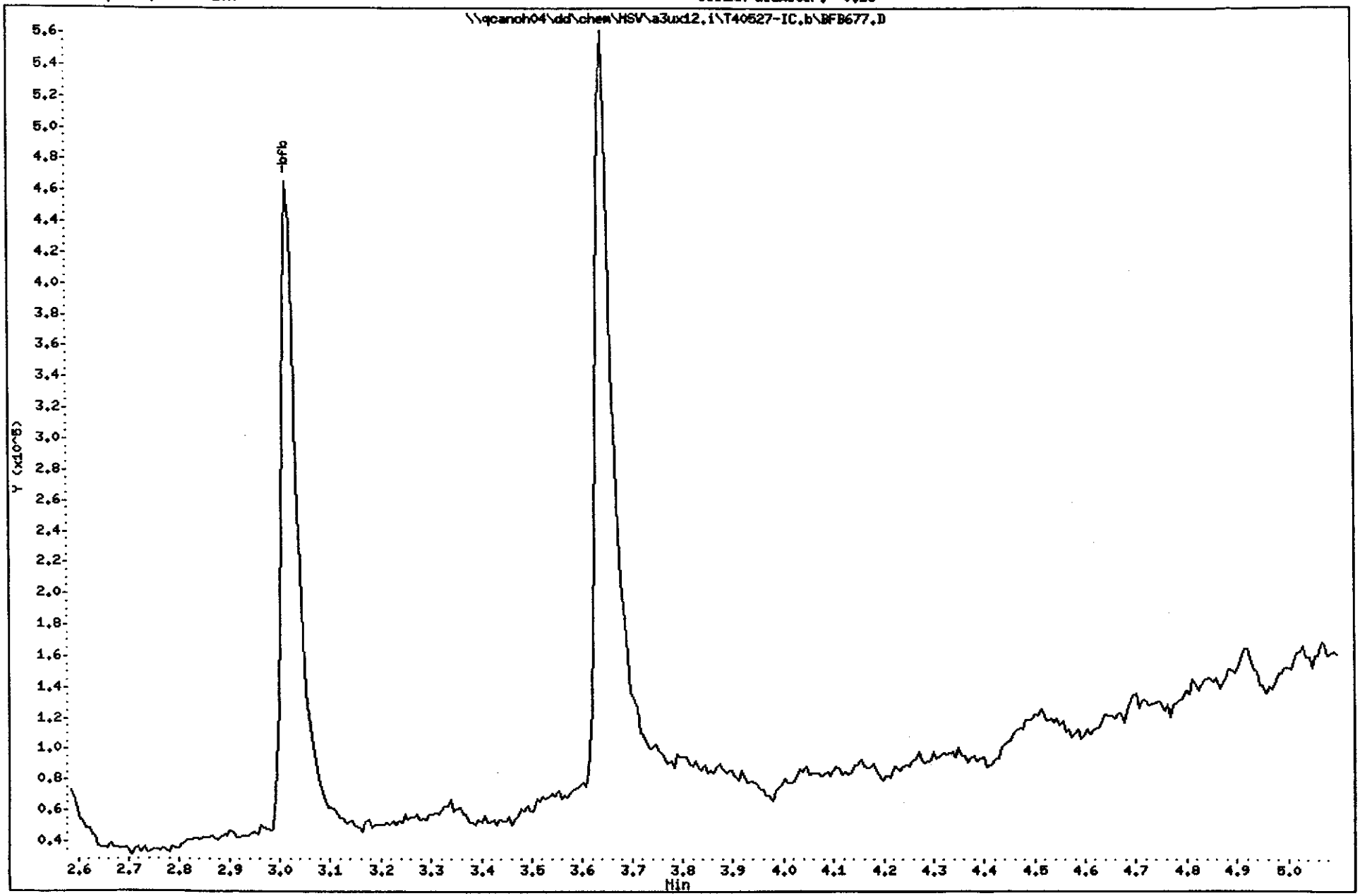
Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: 1903

Column phase: DB624 20M

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\BFB757.D

Date : 24-AUG-2004 21:06

Client ID: 50NG BFB

Instrument: a3ux12.i

Sample Info: 50NG BFB

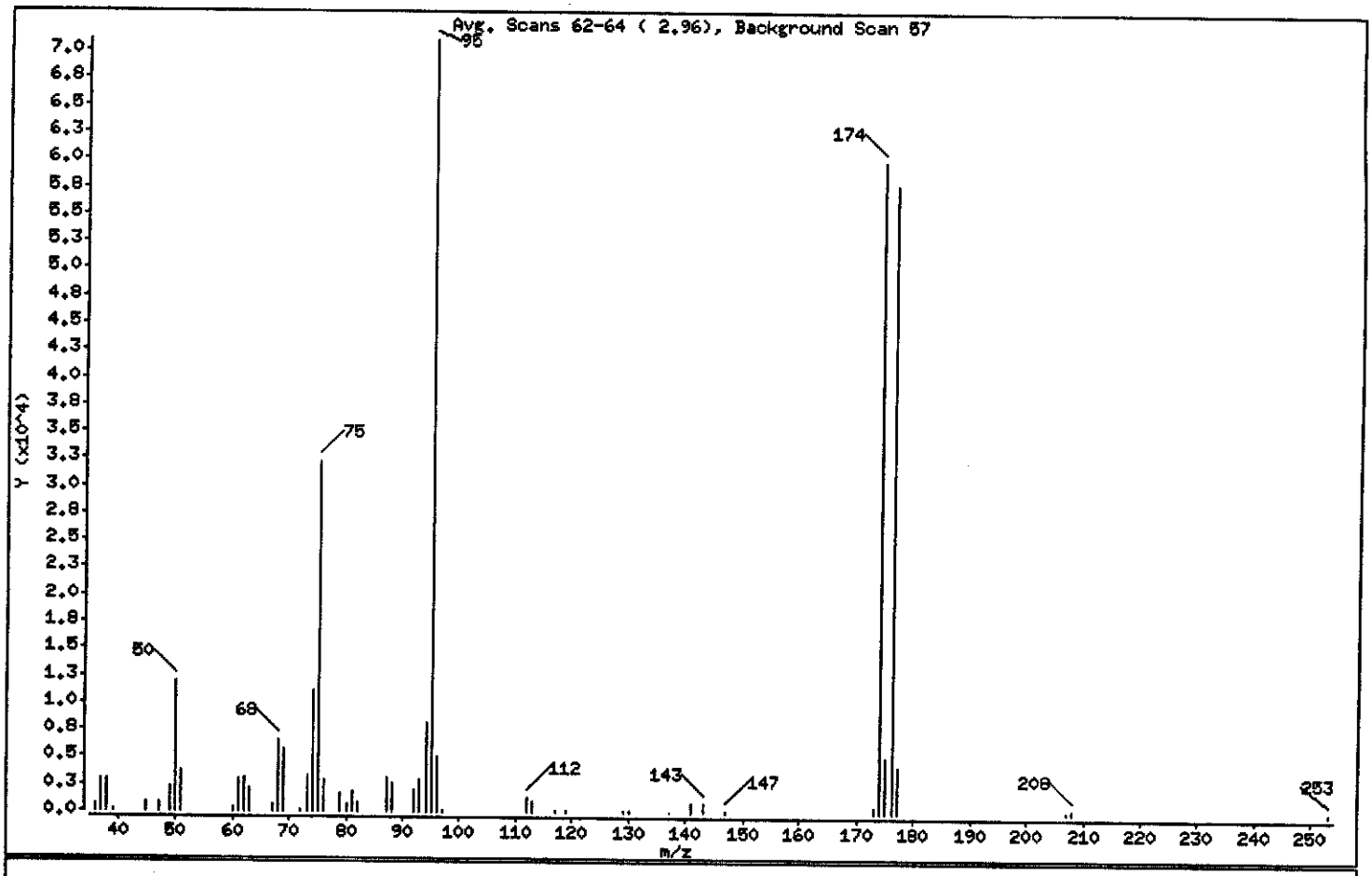
Volume Injected (uL): 1.0

Operator: 1903

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	16.74
75	30.00 - 60.00% of mass 95	45.48
96	5.00 - 9.00% of mass 95	7.20
173	Less than 2.00% of mass 174	0.71 (0.84)
174	50.00 - 100.00% of mass 95	84.39
175	5.00 - 9.00% of mass 174	7.19 (8.53)
176	95.00 - 101.00% of mass 174	81.35 (96.41)
177	5.00 - 9.00% of mass 176	6.07 (7.46)

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\BFB757.D

Date : 24-AUG-2004 21:06

Client ID: 50NG BFB

Instrument: a3ux12.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: 1903

Column phase: DB624 20M

Column diameter: 0.18

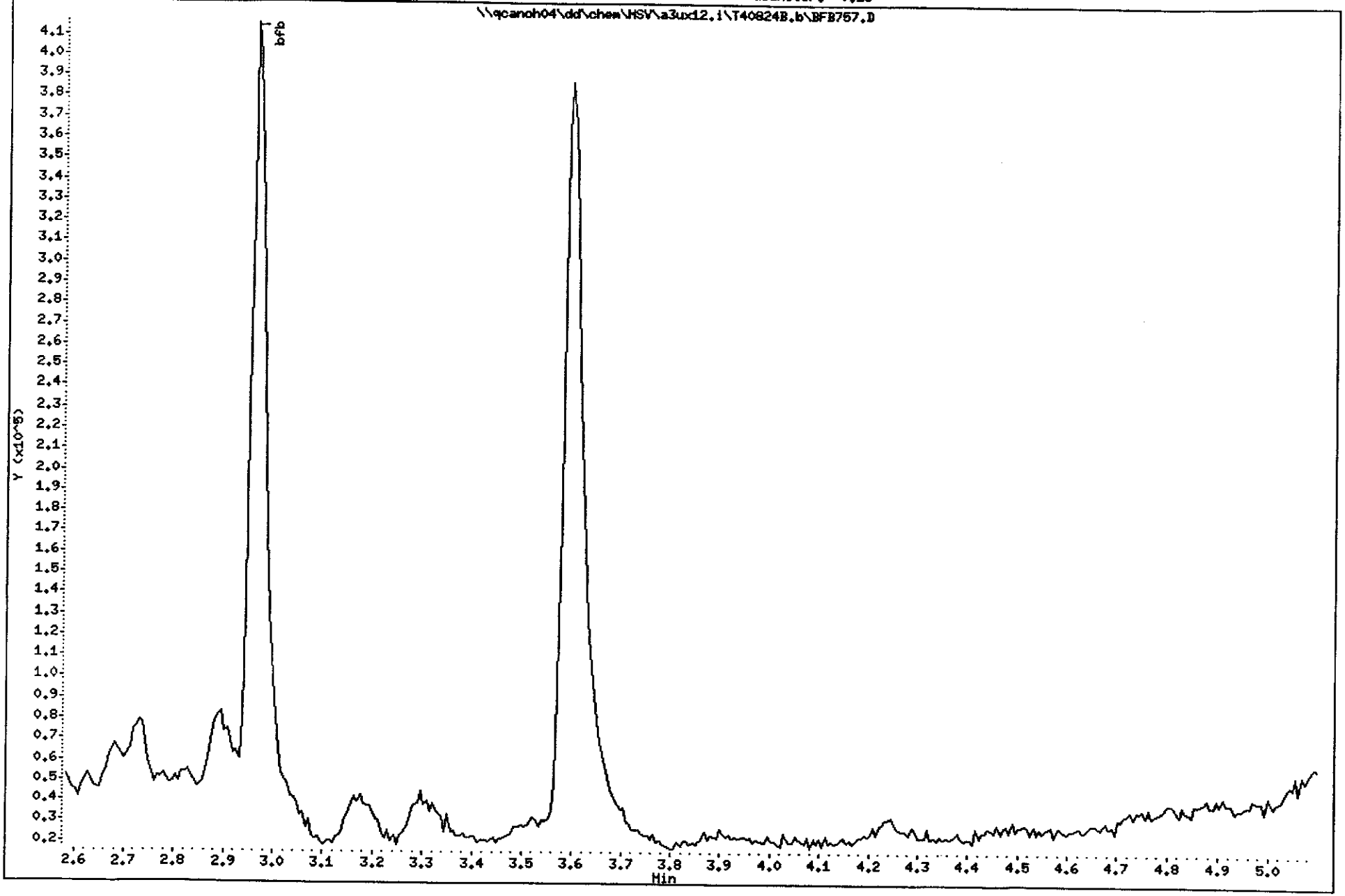
Data File: BFB757.D
Spectrum: Avg. Scans 62-64 (2.96), Background Scan 57
Location of Maximum: 95.00
Number of points: 51

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	662	67.00	582	88.00	2574	137.00	45
37.00	3023	68.00	6550	92.00	2041	141.00	783
38.00	2917	69.00	5795	93.00	2994	143.00	891
39.00	158	72.00	206	94.00	8191	147.00	209
45.00	754	73.00	3258	95.00	71008	173.00	506
47.00	796	74.00	11206	96.00	5114	174.00	59920
49.00	2340	75.00	32288	97.00	184	175.00	5109
50.00	11890	76.00	2920	112.00	1323	176.00	57768
51.00	3697	79.00	1596	113.00	989	177.00	4311
60.00	366	80.00	623	117.00	220	207.00	201
61.00	2876	81.00	1857	119.00	177	208.00	354
62.00	3044	82.00	838	129.00	193	253.00	181
63.00	2145	87.00	3158	130.00	177		

Data File: \\qcanoh04\dd\chem\HSV\a3ux12.i\T40824B.b\BFB757.D
Date : 24-AUG-2004 21:06
Client ID: 50NG BFB
Sample Info: 50NG BFB
Volume Injected (uL): 1.0
Column phase: DB624 20M

Instrument: a3ux12.i

Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\BFB758.D

Page 2

Date : 25-AUG-2004 15:50

Client ID: 50NG BFB

Instrument: a3ux12.i

Sample Info: 50NG BFB

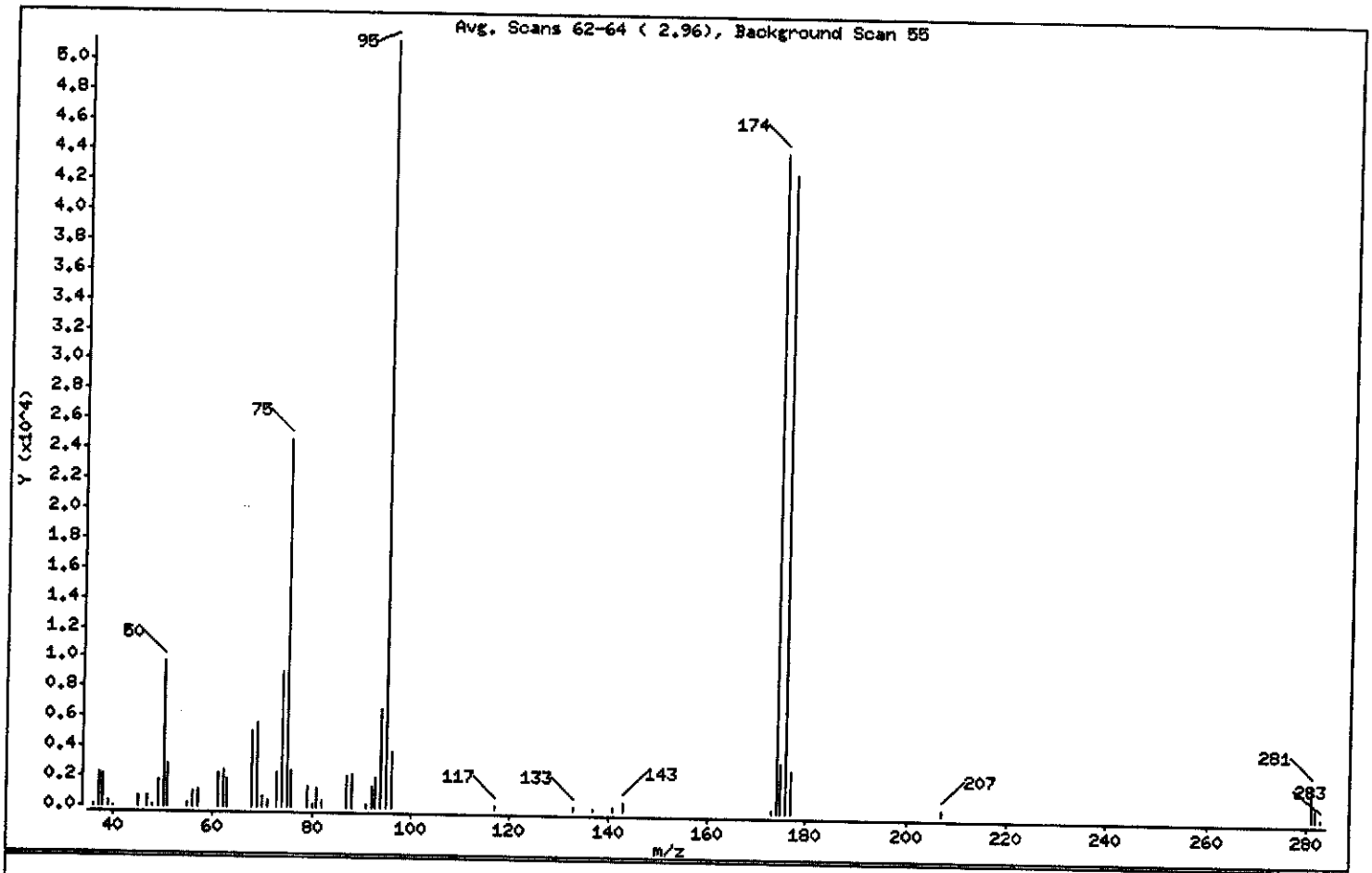
Volume Injected (uL): 1.0

Operator: 1903

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	18.78
75	30.00 - 60.00% of mass 95	48.01
96	5.00 - 9.00% of mass 95	7.26
173	Less than 2.00% of mass 174	0.47 (0.55)
174	50.00 - 100.00% of mass 95	85.90
175	5.00 - 9.00% of mass 174	6.50 (7.56)
176	95.00 - 101.00% of mass 174	83.07 (96.71)
177	5.00 - 9.00% of mass 176	5.53 (6.66)

Data File: \\qcanch04\dd\chem\MSV\a3ux12.i\T40825A.b\BFB758.D

Date : 25-AUG-2004 15:50

Client ID: 50NG BFB

Instrument: a3ux12.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: 1903

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB758.D
Spectrum: Avg. Scans 62-64 (2.96), Background Scan 55
Location of Maximum: 95.00
Number of points: 51

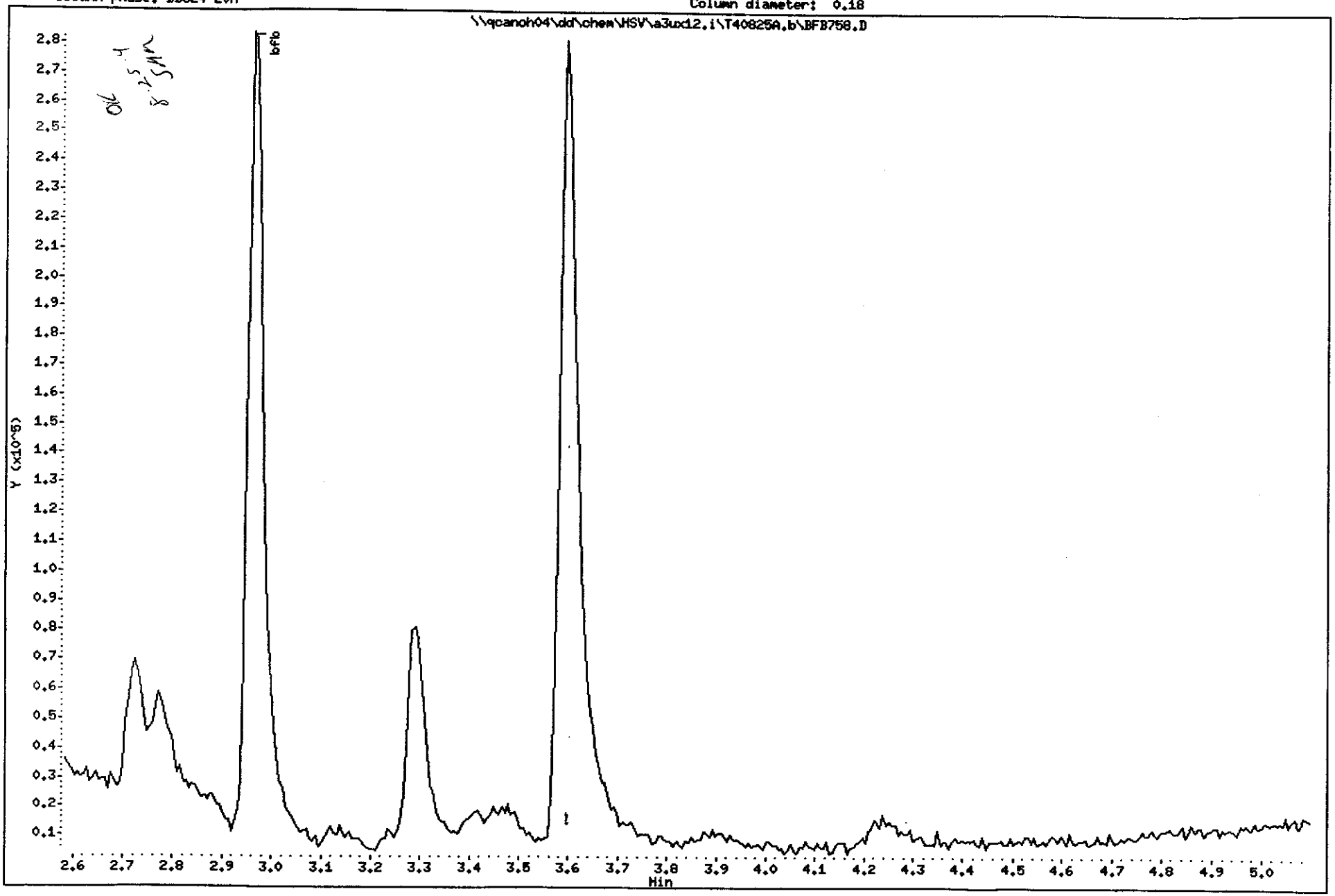
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	168	57.00	1214	80.00	184	137.00	170
37.00	2272	61.00	2209	81.00	1264	141.00	264
38.00	2160	62.00	2508	82.00	473	143.00	556
39.00	407	63.00	1842	87.00	2129	173.00	243
40.00	13	68.00	5104	88.00	2217	174.00	44112
45.00	705	69.00	5677	91.00	188	175.00	3337
47.00	751	70.00	653	92.00	1449	176.00	42656
48.00	170	71.00	420	93.00	2016	177.00	2841
49.00	1727	73.00	2384	94.00	6618	207.00	374
50.00	9645	74.00	9056	95.00	51352	281.00	2421
51.00	2846	75.00	24656	96.00	3728	282.00	725
55.00	274	76.00	2534	117.00	223	283.00	167
56.00	1099	79.00	1467	133.00	193		

Data File: \\qcanoh04\dd\chem\HSV\a3ux12.i\T40825A.b\BFB758.D
Date : 25-AUG-2004 15:50
Client ID: 50NG BFB
Sample Info: 50NG BFB
Volume Injected (uL): 1.0
Column phase: DB624 20M

Page 1

Instrument: a3ux12.i

Operator: 1903
Column diameter: 0.18



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GNRMV1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H240000-295 GNRMV1AD-LCSD
Prep Date.....: 08/23/04 **Analysis Date..:** 08/23/04
Prep Batch #...: 4237295
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	56	(22 - 200)			SW846 8260B
	53	(22 - 200)	6.9	(0-95)	SW846 8260B
Benzene	**87**	**(80 - 116)**			**SW846 8260B**
	96	**(80 - 116)**	**10**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	88	(87 - 130)			SW846 8260B
	96	(87 - 130)	9.1	(0-30)	SW846 8260B
Bromoform	102	(76 - 150)			SW846 8260B
	114	(76 - 150)	11	(0-30)	SW846 8260B
Bromomethane	68	(64 - 129)			SW846 8260B
	74	(64 - 129)	9.1	(0-30)	SW846 8260B
2-Butanone	73	(28 - 237)			SW846 8260B
	69	(28 - 237)	5.8	(0-65)	SW846 8260B
Carbon disulfide	81	(73 - 139)			SW846 8260B
	92	(73 - 139)	12	(0-30)	SW846 8260B
Carbon tetrachloride	81	(75 - 149)			SW846 8260B
	93	(75 - 149)	14	(0-30)	SW846 8260B
Chlorobenzene	**88**	**(76 - 117)**			**SW846 8260B**
	97	**(76 - 117)**	**9.3**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	96	(81 - 138)			SW846 8260B
	106	(81 - 138)	10	(0-30)	SW846 8260B
Chloroethane	70	(66 - 126)			SW846 8260B
	75	(66 - 126)	6.8	(0-30)	SW846 8260B
Chloroform	85	(84 - 128)			SW846 8260B
	93	(84 - 128)	8.9	(0-30)	SW846 8260B
Chloromethane	76	(48 - 123)			SW846 8260B
	87	(48 - 123)	13	(0-30)	SW846 8260B
1,1-Dichloroethane	86	(86 - 123)			SW846 8260B
	96	(86 - 123)	11	(0-30)	SW846 8260B
1,2-Dichloroethane	85	(79 - 136)			SW846 8260B
	96	(79 - 136)	12	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	92	(85 - 113)			SW846 8260B
	100	(85 - 113)	8.0	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	90	(79 - 120)			SW846 8260B
	100	(79 - 120)	10	(0-30)	SW846 8260B
1,1-Dichloroethene	**90**	**(63 - 130)**			**SW846 8260B**
	104	**(63 - 130)**	**14**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	91	(82 - 116)			SW846 8260B
	100	(82 - 116)	9.2	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GNRMV1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H240000-295 GNRMV1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	88	(82 - 115)			SW846 8260B
	99	(82 - 115)	11	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	87	(84 - 130)			SW846 8260B
	99	(84 - 130)	12	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	83 a	(84 - 130)			SW846 8260B
	91	(84 - 130)	9.0	(0-30)	SW846 8260B
Ethylbenzene	85 a	(86 - 116)			SW846 8260B
	93	(86 - 116)	8.8	(0-30)	SW846 8260B
2-Hexanone	78	(35 - 200)			SW846 8260B
	74	(35 - 200)	4.5	(0-52)	SW846 8260B
Methylene chloride	91	(78 - 118)			SW846 8260B
	98	(78 - 118)	8.0	(0-30)	SW846 8260B
4-Methyl-2-pentanone	94	(78 - 141)			SW846 8260B
	94	(78 - 141)	0.030	(0-32)	SW846 8260B
Styrene	81 a	(85 - 117)			SW846 8260B
	90	(85 - 117)	9.6	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	92	(85 - 118)			SW846 8260B
	98	(85 - 118)	6.2	(0-30)	SW846 8260B
Tetrachloroethene	88	(88 - 113)			SW846 8260B
	95	(88 - 113)	8.4	(0-30)	SW846 8260B
Toluene	**90**	**(74 - 119)**			**SW846 8260B**
	99	**(74 - 119)**	**8.7**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	86	(78 - 140)			SW846 8260B
	97	(78 - 140)	11	(0-30)	SW846 8260B
1,1,2-Trichloroethane	87	(83 - 122)			SW846 8260B
	95	(83 - 122)	9.4	(0-30)	SW846 8260B
Trichloroethene	**89**	**(75 - 122)**			**SW846 8260B**
	101	**(75 - 122)**	**12**	**(0-20)**	**SW846 8260B**
Vinyl chloride	74	(61 - 120)			SW846 8260B
	86	(61 - 120)	15	(0-30)	SW846 8260B
Xylenes (total)	83 a	(87 - 116)			SW846 8260B
	90	(87 - 116)	8.8	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	88	(73 - 122)
	90	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
	90	(61 - 128)
Toluene-d8	95	(76 - 110)
	96	(76 - 110)
4-Bromofluorobenzene	100	(74 - 116)
	99	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GNRMV1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H240000-295 GNRMV1AD-LCSD

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 #...: A4H170141 **Work Order #...:** GNRMV1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H240000-295 GNRMV1AD-LCSD
Prep Date.....: 08/23/04 **Analysis Date..:** 08/23/04
Prep Batch #...: 4237295
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	5.6	ug/L	56		SW846 8260B
	10	5.3	ug/L	53	6.9	SW846 8260B
Benzene	**10**	**8.7**	**ug/L**	**87**		**SW846 8260B**
	10	**9.6**	**ug/L**	**96**	**10**	**SW846 8260B**
Bromodichloromethane	10	8.8	ug/L	88		SW846 8260B
	10	9.6	ug/L	96	9.1	SW846 8260B
Bromoform	10	10	ug/L	102		SW846 8260B
	10	11	ug/L	114	11	SW846 8260B
Bromomethane	10	6.8	ug/L	68		SW846 8260B
	10	7.4	ug/L	74	9.1	SW846 8260B
2-Butanone	10	7.3	ug/L	73		SW846 8260B
	10	6.9	ug/L	69	5.8	SW846 8260B
Carbon disulfide	10	8.1	ug/L	81		SW846 8260B
	10	9.2	ug/L	92	12	SW846 8260B
Carbon tetrachloride	10	8.1	ug/L	81		SW846 8260B
	10	9.3	ug/L	93	14	SW846 8260B
Chlorobenzene	**10**	**8.8**	**ug/L**	**88**		**SW846 8260B**
	10	**9.7**	**ug/L**	**97**	**9.3**	**SW846 8260B**
Dibromochloromethane	10	9.6	ug/L	96		SW846 8260B
	10	11	ug/L	106	10	SW846 8260B
Chloroethane	10	7.0	ug/L	70		SW846 8260B
	10	7.5	ug/L	75	6.8	SW846 8260B
Chloroform	10	8.5	ug/L	85		SW846 8260B
	10	9.3	ug/L	93	8.9	SW846 8260B
Chloromethane	10	7.6	ug/L	76		SW846 8260B
	10	8.7	ug/L	87	13	SW846 8260B
1,1-Dichloroethane	10	8.6	ug/L	86		SW846 8260B
	10	9.6	ug/L	96	11	SW846 8260B
1,2-Dichloroethane	10	8.5	ug/L	85		SW846 8260B
	10	9.6	ug/L	96	12	SW846 8260B
cis-1,2-Dichloroethene	10	9.2	ug/L	92		SW846 8260B
	10	10	ug/L	100	8.0	SW846 8260B
trans-1,2-Dichloroethene	10	9.0	ug/L	90		SW846 8260B
	10	10	ug/L	100	10	SW846 8260B
1,1-Dichloroethene	**10**	**9.0**	**ug/L**	**90**		**SW846 8260B**
	10	**10**	**ug/L**	**104**	**14**	**SW846 8260B**
1,2-Dichloroethene (total)	20	18	ug/L	91		SW846 8260B
	20	20	ug/L	100	9.2	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GNRMV1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H240000-295 GNRMV1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dichloropropane	10	8.8	ug/L	88		SW846 8260B
	10	9.9	ug/L	99	11	SW846 8260B
cis-1,3-Dichloropropene	10	8.7	ug/L	87		SW846 8260B
	10	9.9	ug/L	99	12	SW846 8260B
trans-1,3-Dichloropropene	10	8.3 a	ug/L	83		SW846 8260B
	10	9.1	ug/L	91	9.0	SW846 8260B
Ethylbenzene	10	8.5 a	ug/L	85		SW846 8260B
	10	9.3	ug/L	93	8.8	SW846 8260B
2-Hexanone	10	7.8	ug/L	78		SW846 8260B
	10	7.4	ug/L	74	4.5	SW846 8260B
Methylene chloride	10	9.1	ug/L	91		SW846 8260B
	10	9.8	ug/L	98	8.0	SW846 8260B
4-Methyl-2-pentanone	10	9.4	ug/L	94		SW846 8260B
	10	9.4	ug/L	94	0.030	SW846 8260B
Styrene	10	8.1 a	ug/L	81		SW846 8260B
	10	9.0	ug/L	90	9.6	SW846 8260B
1,1,2,2-Tetrachloroethane	10	9.2	ug/L	92		SW846 8260B
	10	9.8	ug/L	98	6.2	SW846 8260B
Tetrachloroethene	10	8.8	ug/L	88		SW846 8260B
	10	9.5	ug/L	95	8.4	SW846 8260B
Toluene	**10**	**9.0**	**ug/L**	**90**		**SW846 8260B**
	10	**9.9**	**ug/L**	**99**	**8.7**	**SW846 8260B**
1,1,1-Trichloroethane	10	8.6	ug/L	86		SW846 8260B
	10	9.7	ug/L	97	11	SW846 8260B
1,1,2-Trichloroethane	10	8.7	ug/L	87		SW846 8260B
	10	9.5	ug/L	95	9.4	SW846 8260B
Trichloroethene	**10**	**8.9**	**ug/L**	**89**		**SW846 8260B**
	10	**10**	**ug/L**	**101**	**12**	**SW846 8260B**
Vinyl chloride	10	7.4	ug/L	74		SW846 8260B
	10	8.6	ug/L	86	15	SW846 8260B
Xylenes (total)	30	25 a	ug/L	83		SW846 8260B
	30	27	ug/L	90	8.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	88	(73 - 122)
	90	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
	90	(61 - 128)
Toluene-d8	95	(76 - 110)
	96	(76 - 110)
4-Bromofluorobenzene	100	(74 - 116)
	99	(74 - 116)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

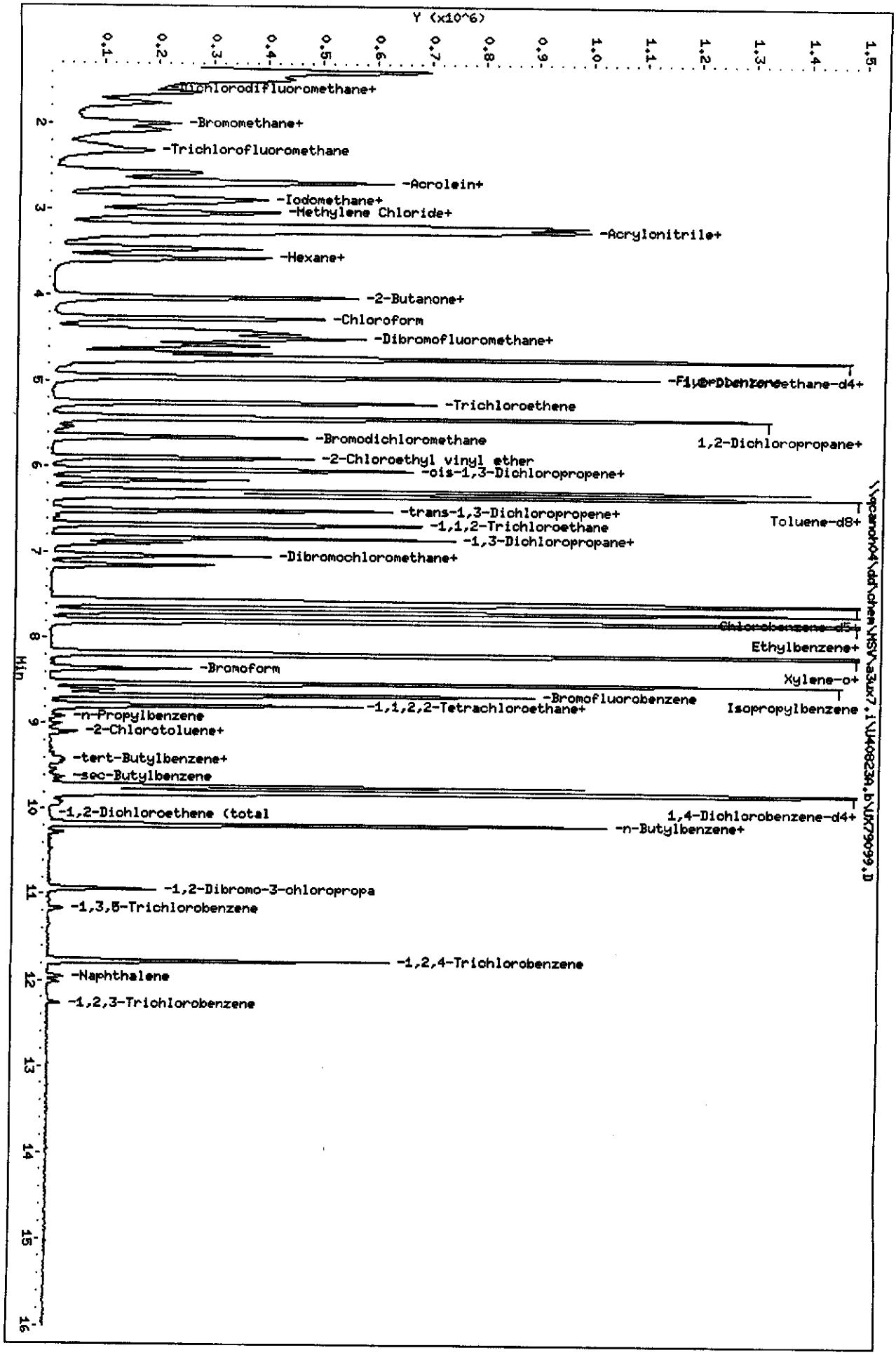
Client Lot #...: A4H170141 **Work Order #...:** GNRMV1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H240000-295 GNRMV1AD-LCSD

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.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Date : 23-AUG-2004 09:35
Client ID:
Sample Info: LCS
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Fluorobenzene
-1,2-Dichloroethane-d4+
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene+
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane
Toluene-d8+
-1,3-Dichloropropane+
-Dibromochloromethane+
Chlorobenzene-d5+
Ethylbenzene+
-Bromoform
Xylene-o+
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
Isopropylbenzene
-n-Propylbenzene
-2-Chlorotoluene+
-tert-Butylbenzene+
-sec-Butylbenzene
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux7.i\U408230.b\UX79099.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79099.D
Report Date: 24-Aug-2004 08:23

STL North Canton

VOLATILE REPORT SW-846 Method

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Lab Smp Id: LCS
Inj Date : 23-AUG-2004 09:35
Operator : 1754 Inst ID: a3ux7.i
Smp Info : LCS
Misc Info : U40823A,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\N8260UX7-3.m
Meth Date : 24-Aug-2004 08:18 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.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: CANPMSV03

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	4.952	4.954	(1.000)	1259026	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.569	(1.000)	854889	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.794	(1.000)	354571	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.398	(0.888)	246584	43.9988	8.800
$ 5 1,2-Dichloroethane-d4	65	4.668	4.670	(0.943)	376038	44.8196	8.964
$ 6 Toluene-d8	98	6.278	6.279	(0.830)	1042524	47.3121	9.462
$ 7 Bromofluorobenzene	95	8.668	8.669	(1.145)	352651	50.1915	10.038
8 Dichlorodifluoromethane	85	1.592	1.593	(0.321)	275182	41.2726	8.254
9 Chloromethane	50	1.639	1.641	(0.331)	412740	38.2527	7.650
10 Vinyl Chloride	62	1.757	1.759	(0.355)	384985	37.0299	7.406
11 Bromomethane	94	2.006	1.996	(0.405)	253745	33.9995	6.800
12 Chloroethane	64	2.077	2.079	(0.419)	270708	35.0923	7.018
13 Trichlorofluoromethane	101	2.325	2.315	(0.470)	422553	40.8067	8.161
15 Acrolein	56	2.574	2.576	(0.520)	620380	509.161	101.83
16 Acetone	43	2.680	2.670	(0.541)	117682	28.2117	5.642
17 1,1-Dichloroethene	96	2.680	2.682	(0.541)	278590	45.1312	9.026
18 Freon-113	151	2.704	2.694	(0.546)	188739	50.0860	10.017

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79099.D
Report Date: 24-Aug-2004 08:23

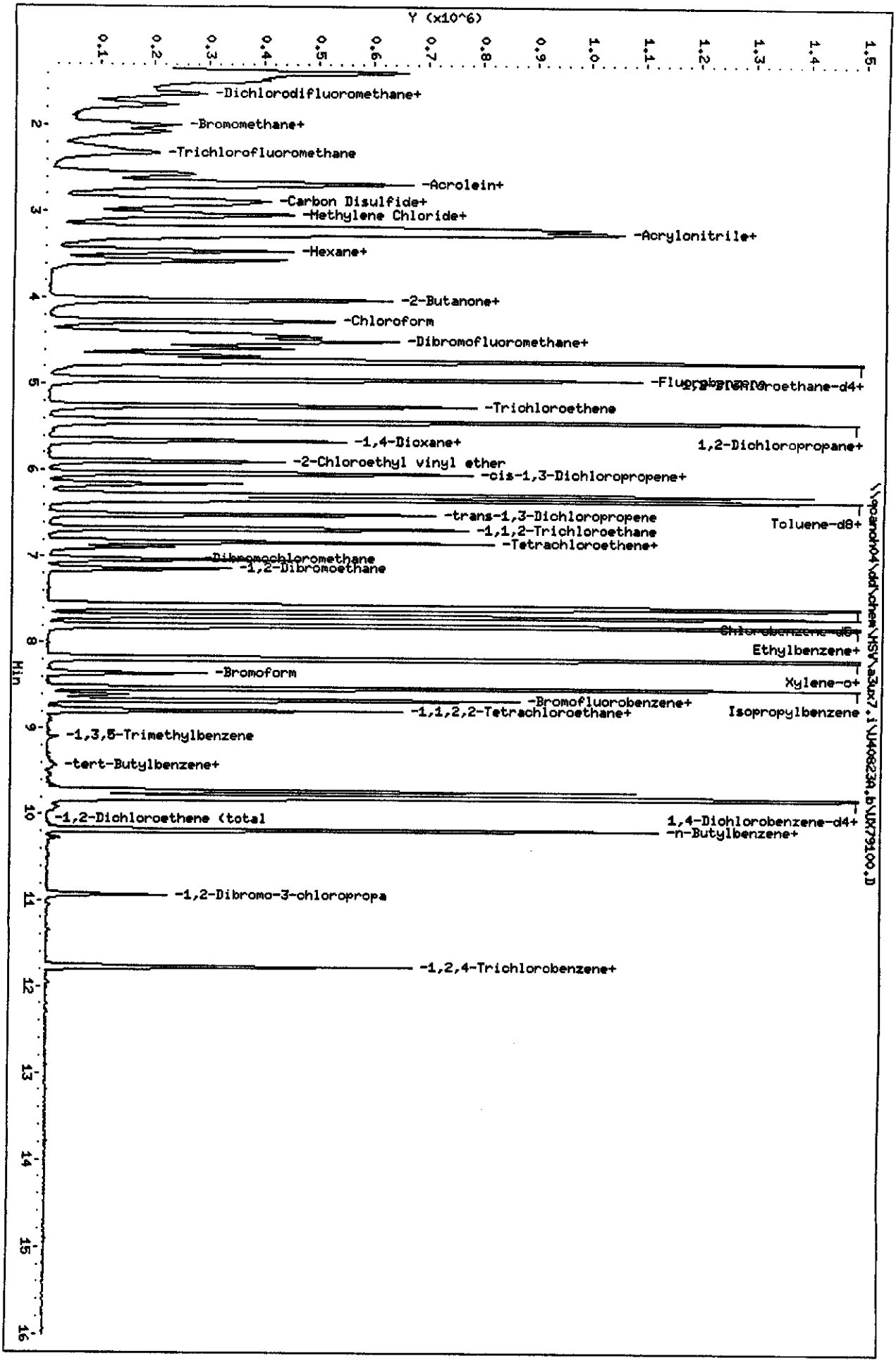
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.811	2.812	(0.568)	7007	0.83232	0.1665
	20 Carbon Disulfide	76	2.882	2.871	(0.582)	1003625	40.5132	8.103
	21 Methylene Chloride	84	3.035	3.037	(0.613)	377202	45.3227	9.064
	22 Acetonitrile	41	2.905	2.919	(0.587)	443254	526.101	105.22
	23 Acrylonitrile	53	3.201	3.203	(0.646)	1359652	487.975	97.595
	24 Methyl tert-butyl ether	73	3.272	3.262	(0.661)	774629	46.9873	9.397
	25 trans-1,2-Dichloroethene	96	3.248	3.250	(0.656)	321996	45.0510	9.010
	26 Hexane	86	3.461	3.463	(0.699)	49918	41.4034	8.281
	27 Vinyl acetate	43	3.592	3.593	(0.725)	56467	6.42433	1.285
	28 1,1-Dichloroethane	63	3.568	3.569	(0.720)	560209	43.2169	8.643
	29 tert-Butyl Alcohol	59	3.083	3.108	(0.623)	42917	125.257	25.051
	30 2-Butanone	43	4.018	4.019	(0.811)	139769	36.4307	7.286
M	31 1,2-Dichloroethene (total)	96				644820	90.9649	18.193
	32 cis-1,2-dichloroethene	96	4.029	4.031	(0.814)	322824	45.9139	9.183
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.278	4.268	(0.864)	531396	42.5809	8.516
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.444	4.445	(0.897)	431778	43.1858	8.637
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.586	4.587	(0.926)	314138	40.6390	8.128
	40 1,2-Dichloroethane	62	4.727	4.729	(0.955)	457284	42.4421	8.488
	41 Benzene	78	4.739	4.729	(0.957)	1304988	43.6326	8.726
	42 Trichloroethene	130	5.260	5.262	(1.062)	272015	44.6682	8.934
	43 1,2-Dichloropropane	63	5.437	5.427	(1.098)	323826	44.1841	8.837
	44 1,4-Dioxane	88	5.544	5.546	(1.119)	35378	759.941	151.99(A)
	45 Dibromomethane	93	5.532	5.534	(1.117)	3726	0.88790	0.1776
	46 Bromodichloromethane	83	5.662	5.652	(1.143)	395233	43.9237	8.785
	47 2-Chloroethyl vinyl ether	63	5.899	5.901	(1.191)	227900	56.6458	11.329
	48 cis-1,3-Dichloropropene	75	6.041	6.031	(1.220)	445832	43.4995	8.700
	49 4-Methyl-2-pentanone	43	6.159	6.149	(1.244)	287087	46.9390	9.388
	50 Toluene	91	6.337	6.338	(0.837)	1296479	45.1659	9.033
	51 trans-1,3-Dichloropropene	75	6.514	6.504	(0.861)	377038	41.7394	8.348
	52 Ethyl Methacrylate	69	6.585	6.587	(0.870)	6276	5.32170	1.064
	53 1,1,2-Trichloroethane	97	6.680	6.670	(0.883)	265639	43.2539	8.651
	54 1,3-Dichloropropane	76	6.834	6.823	(0.903)	10152	0.94711	0.1894
	55 Tetrachloroethene	164	6.834	6.835	(0.903)	173210	43.8637	8.773
	56 2-Hexanone	43	6.893	6.883	(0.911)	183432	38.9516	7.790
	57 Dibromochloromethane	129	7.035	7.036	(0.930)	239385	47.8073	9.561
	58 1,2-Dibromoethane	107	7.141	7.143	(0.944)	246329	45.5122	9.102
	59 Chlorobenzene	112	7.591	7.593	(1.003)	762436	44.1502	8.830
	60 1,1,1,2-Tetrachloroethane	131	7.662	7.664	(1.013)	5026	0.91479	0.1830
	61 Ethylbenzene	106	7.698	7.699	(1.017)	390842	42.3577	8.472
	62 m + p-Xylene	106	7.804	7.806	(1.031)	984298	83.4107	16.682
M	63 Xylenes (total)	106				1447428	124.163	24.832
	64 Xylene-o	106	8.183	8.172	(1.081)	463130	40.7520	8.150
	65 Styrene	104	8.183	8.184	(1.081)	831558	40.7413	8.148

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79099.D
Report Date: 24-Aug-2004 08:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	8.360	8.362	(1.105)	126759	51.1435	10.229
67 Isopropylbenzene	105	8.526	8.527	(1.127)	1031386	45.3751	9.075
68 1,1,2,2-Tetrachloroethane	83	8.786	8.788	(0.897)	347882	46.2438	9.249
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	8.833	8.835	(0.902)	2352	1.02493	0.2050
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	8.916	8.918	(0.911)	4889	4.64510	0.9290
73 2-Chlorotoluene	126	9.106	9.001	(0.930)	5503	1.13874	0.2277
74 1,3,5-Trimethylbenzene	105	9.082	9.084	(0.927)	14201	4.32955	0.8659
75 4-Chlorotoluene	126	9.106	9.107	(0.930)	5503	1.05535	0.2111
76 tert-Butylbenzene	119	9.401	9.403	(0.960)	12726	4.73896	0.9478
77 1,2,4-Trimethylbenzene	105	9.449	9.450	(0.965)	14127	4.29743	0.8595
78 sec-Butylbenzene	105	9.614	9.616	(0.982)	20465	4.77286	0.9546
79 4-Isopropyltoluene	119	9.756	9.758	(0.996)	17104	5.14279	1.028
80 1,3-Dichlorobenzene	146	9.733	9.734	(0.994)	448516	45.9983	9.200
81 1,4-Dichlorobenzene	146	9.816	9.817	(1.002)	492042	47.1333	9.427
82 n-Butylbenzene	91	10.171	10.160	(1.039)	24323	5.06450	1.013
83 1,2-Dichlorobenzene	146	10.182	10.184	(1.040)	466671	47.3165	9.463
84 1,2-Dibromo-3-chloropropane	157	10.940	10.941	(1.117)	51492	51.9556	10.391
85 1,2,4-Trichlorobenzene	180	11.780	11.781	(1.203)	201461	48.5495	9.710
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.028	12.018	(1.228)	22484	6.37776	1.276
88 1,2,3-Trichlorobenzene	180	12.265	12.267	(1.253)	8571	5.35767	1.072
98 Cyclohexane	56	4.503	4.504	(0.909)	437919	40.9610	8.192
143 Methyl Acetate	43	2.929	2.930	(0.591)	245478	50.4636	10.093
144 Methylcyclohexane	83	5.437	5.439	(1.098)	329765	39.6277	7.926
141 1,3,5-Trichlorobenzene	180	11.176	11.166	(1.141)	9500	1.97226	0.3944

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U408230.b\UX79100.D
Date : 23-AUG-2004 09:59
Client ID:
Sample Info: LCSD
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Fluorobenzene
1,2-Dichloroethane-d4+
-Trichloroethene
-1,4-Dioxane+
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene+
-trans-1,3-Dichloropropene
Toluene-d8+
-1,1,2-Trichloroethane
-Tetrachloroethene+
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5
Ethylbenzene+
-Bromoform
Xylene-o+
-Bromofluorobenzene+
-1,1,2,2-Tetrachloroethane+
Isopropylbenzene
-1,3,5-Trimethylbenzene
-tert-Butylbenzene+
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene+

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79100.D
Report Date: 24-Aug-2004 08:24

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79100.D
Lab Smp Id: LCSD
Inj Date : 23-AUG-2004 09:59
Operator : 1754 Inst ID: a3ux7.i
Smp Info : LCSD
Misc Info : U40823A,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\N8260UX7-3.m
Meth Date : 24-Aug-2004 08:18 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.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: CANPMSV03

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	4.952	4.954	(1.000)	1239665	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.569	(1.000)	864087	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.794	(1.000)	361557	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.398	(0.888)	247862	44.9176	8.984
$ 5 1,2-Dichloroethane-d4	65	4.668	4.670	(0.943)	373062	45.1593	9.032
$ 6 Toluene-d8	98	6.277	6.279	(0.830)	1067068	47.9105	9.582
$ 7 Bromofluorobenzene	95	8.667	8.669	(1.145)	350831	49.4009	9.880
8 Dichlorodifluoromethane	85	1.591	1.593	(0.321)	305822	46.5845	9.317
9 Chloromethane	50	1.638	1.641	(0.331)	460200	43.4288	8.686
10 Vinyl Chloride	62	1.769	1.759	(0.357)	439991	42.9582	8.592
11 Bromomethane	94	2.005	1.996	(0.405)	276713	37.2403	7.448
12 Chloroethane	64	2.076	2.079	(0.419)	286561	37.5746	7.515
13 Trichlorofluoromethane	101	2.313	2.315	(0.467)	486598	47.7256	9.545
15 Acrolein	56	2.573	2.576	(0.520)	619057	516.010	103.20
16 Acetone	43	2.692	2.670	(0.544)	109558	26.3203	5.264
17 1,1-Dichloroethene	96	2.680	2.682	(0.541)	317205	52.1893	10.438
18 Freon-113	151	2.703	2.694	(0.546)	212554	57.2868	11.457
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79100.D
Report Date: 24-Aug-2004 08:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.881	2.871	(0.582)	1117357	45.8086	9.162
	21 Methylene Chloride	84	3.047	3.037	(0.615)	400040	49.1257	9.825
	22 Acetonitrile	41	2.916	2.919	(0.589)	430303	518.705	103.74
	23 Acrylonitrile	53	3.200	3.203	(0.646)	1366571	498.119	99.624
	24 Methyl tert-butyl ether	73	3.271	3.262	(0.661)	856650	52.7741	10.555
	25 trans-1,2-Dichloroethene	96	3.248	3.250	(0.656)	351700	49.9755	9.995
	26 Hexane	86	3.461	3.463	(0.699)	57807	48.2032	9.641
	27 Vinyl acetate	43	3.603	3.593	(0.728)	8961	2.64432	0.5289
	28 1,1-Dichloroethane	63	3.567	3.569	(0.720)	613842	48.0940	9.619
	29 tert-Butyl Alcohol	59	3.141	3.108	(0.634)	8106	51.0776	10.216
	30 2-Butanone	43	4.017	4.019	(0.811)	129835	34.3700	6.874
M	31 1,2-Dichloroethene (total)	96				696240	99.7433	19.949
	32 cis-1,2-dichloroethene	96	4.029	4.031	(0.814)	344540	49.7678	9.954
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.277	4.268	(0.864)	571794	46.5336	9.307
	36 Tetrahydrofuran	42	4.017	4.256	(0.811)	9529	5.56128	1.112
	37 1,1,1-Trichloroethane	97	4.443	4.445	(0.897)	475084	48.2593	9.652
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.585	4.587	(0.926)	354646	46.5960	9.319
	40 1,2-Dichloroethane	62	4.739	4.729	(0.957)	509409	48.0184	9.604
	41 Benzene	78	4.739	4.729	(0.957)	1419488	48.2022	9.640
	42 Trichloroethene	130	5.259	5.262	(1.062)	302474	50.4456	10.089
	43 1,2-Dichloropropane	63	5.437	5.427	(1.098)	357332	49.5173	9.903
	44 1,4-Dioxane	88	5.555	5.546	(1.122)	7927	248.699	49.740(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.662	5.652	(1.143)	426337	48.1203	9.624
	47 2-Chloroethyl vinyl ether	63	5.898	5.901	(1.191)	215933	54.7606	10.952
	48 cis-1,3-Dichloropropene	75	6.040	6.031	(1.220)	497383	49.2872	9.857
	49 4-Methyl-2-pentanone	43	6.159	6.149	(1.244)	282788	46.9558	9.391
	50 Toluene	91	6.336	6.338	(0.837)	1430153	49.2924	9.858
	51 trans-1,3-Dichloropropene	75	6.514	6.504	(0.861)	417225	45.6966	9.139
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.679	6.670	(0.883)	295037	47.5294	9.506
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.833	6.835	(0.903)	190525	47.7349	9.547
	56 2-Hexanone	43	6.892	6.883	(0.911)	175487	37.2247	7.445
	57 Dibromochloromethane	129	7.034	7.036	(0.930)	267635	52.8801	10.576
	58 1,2-Dibromoethane	107	7.141	7.143	(0.944)	274665	50.2074	10.041
	59 Chlorobenzene	112	7.602	7.593	(1.005)	846009	48.4682	9.694
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.697	7.699	(1.017)	434461	46.2717	9.254
	62 m + p-Xylene	106	7.803	7.806	(1.031)	1094028	91.2206	18.244
M	63 Xylenes (total)	106				1607633	135.652	27.130
	64 Xylene-o	106	8.182	8.172	(1.081)	513605	44.4311	8.886
	65 Styrene	104	8.182	8.184	(1.081)	933278	44.8686	8.974
	66 Bromoform	173	8.359	8.362	(1.105)	144448	56.9043	11.381

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79100.D
Report Date: 24-Aug-2004 08:24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
67 Isopropylbenzene	105	8.525	8.527	(1.127)	1131927	48.9421	9.788
68 1,1,2,2-Tetrachloroethane	83	8.797	8.788	(0.898)	377272	49.1816	9.836
69 1,4-Dichloro-2-butene	53	8.608	8.847	(0.879)	4314	1.73788	0.3476
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	8.916	8.918	(0.911)	738	3.97299	0.7946
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	9.093	9.084	(0.929)	2299	3.71910	0.7438
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	9.401	9.403	(0.960)	3313	4.08188	0.8164
77 1,2,4-Trimethylbenzene	105	9.460	9.450	(0.966)	3236	3.76965	0.7539
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.732	9.734	(0.994)	491033	49.3857	9.877
81 1,4-Dichlorobenzene	146	9.815	9.817	(1.002)	549301	51.6016	10.320
82 n-Butylbenzene	91	10.158	10.160	(1.037)	2330	3.79057	0.7581
83 1,2-Dichlorobenzene	146	10.182	10.184	(1.040)	504398	50.1536	10.031
84 1,2-Dibromo-3-chloropropane	157	10.939	10.941	(1.117)	55257	54.6772	10.935
85 1,2,4-Trichlorobenzene	180	11.779	11.781	(1.203)	227066	53.6626	10.732
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.004	12.018	(1.226)	3111	5.15551	1.031
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.502	4.504	(0.909)	483684	45.5308	9.106
143 Methyl Acetate	43	2.940	2.930	(0.594)	239772	50.0604	10.012
144 Methylcyclohexane	83	5.437	5.439	(1.098)	364025	43.9795	8.796
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GNXQQ1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H250000-597 GNXQQ1AD-LCSD
Prep Date.....: 08/24/04 **Analysis Date..:** 08/24/04
Prep Batch #...: 4238597
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	35	(22 - 200)			SW846 8260B
	41	(22 - 200)	15	(0-95)	SW846 8260B
Benzene	**98**	**(80 - 116)**			**SW846 8260B**
	97	**(80 - 116)**	**1.4**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	97	(87 - 130)			SW846 8260B
	99	(87 - 130)	1.1	(0-30)	SW846 8260B
Bromoform	70 a	(76 - 150)			SW846 8260B
	68 a	(76 - 150)	1.9	(0-30)	SW846 8260B
Bromomethane	80	(64 - 129)			SW846 8260B
	79	(64 - 129)	0.91	(0-30)	SW846 8260B
2-Butanone	51	(28 - 237)			SW846 8260B
	51	(28 - 237)	0.64	(0-65)	SW846 8260B
Carbon disulfide	116	(73 - 139)			SW846 8260B
	114	(73 - 139)	1.1	(0-30)	SW846 8260B
Carbon tetrachloride	104	(75 - 149)			SW846 8260B
	105	(75 - 149)	0.97	(0-30)	SW846 8260B
Chlorobenzene	**99**	**(76 - 117)**			**SW846 8260B**
	98	**(76 - 117)**	**1.9**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	85	(81 - 138)			SW846 8260B
	86	(81 - 138)	1.9	(0-30)	SW846 8260B
Chloroethane	102	(66 - 126)			SW846 8260B
	101	(66 - 126)	0.80	(0-30)	SW846 8260B
Chloroform	104	(84 - 128)			SW846 8260B
	104	(84 - 128)	0.31	(0-30)	SW846 8260B
Chloromethane	87	(48 - 123)			SW846 8260B
	86	(48 - 123)	1.6	(0-30)	SW846 8260B
1,1-Dichloroethane	111	(86 - 123)			SW846 8260B
	109	(86 - 123)	2.0	(0-30)	SW846 8260B
1,2-Dichloroethane	97	(79 - 136)			SW846 8260B
	99	(79 - 136)	2.1	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	100	(85 - 113)			SW846 8260B
	100	(85 - 113)	0.63	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	119	(79 - 120)			SW846 8260B
	118	(79 - 120)	0.38	(0-30)	SW846 8260B
1,1-Dichloroethene	**121**	**(63 - 130)**			**SW846 8260B**
	124	**(63 - 130)**	**2.3**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	109	(82 - 116)			SW846 8260B
	109	(82 - 116)	0.080	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GNXQQ1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H250000-597 GNXQQ1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	97	(82 - 115)			SW846 8260B
	95	(82 - 115)	2.1	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	100	(84 - 130)			SW846 8260B
	100	(84 - 130)	0.47	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	90	(84 - 130)			SW846 8260B
	89	(84 - 130)	1.6	(0-30)	SW846 8260B
Ethylbenzene	99	(86 - 116)			SW846 8260B
	97	(86 - 116)	1.8	(0-30)	SW846 8260B
2-Hexanone	52	(35 - 200)			SW846 8260B
	52	(35 - 200)	1.2	(0-52)	SW846 8260B
Methylene chloride	136 a	(78 - 118)			SW846 8260B
	137 a	(78 - 118)	0.57	(0-30)	SW846 8260B
4-Methyl-2-pentanone	71 a	(78 - 141)			SW846 8260B
	70 a	(78 - 141)	2.1	(0-32)	SW846 8260B
Styrene	95	(85 - 117)			SW846 8260B
	92	(85 - 117)	2.6	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	88	(85 - 118)			SW846 8260B
	89	(85 - 118)	1.9	(0-30)	SW846 8260B
Tetrachloroethene	98	(88 - 113)			SW846 8260B
	100	(88 - 113)	2.0	(0-30)	SW846 8260B
Toluene	**95**	**(74 - 119)**			**SW846 8260B**
	95	**(74 - 119)**	**0.020**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	95	(78 - 140)			SW846 8260B
	98	(78 - 140)	2.3	(0-30)	SW846 8260B
1,1,2-Trichloroethane	91	(83 - 122)			SW846 8260B
	91	(83 - 122)	0.28	(0-30)	SW846 8260B
Trichloroethene	**104**	**(75 - 122)**			**SW846 8260B**
	106	**(75 - 122)**	**1.3**	**(0-20)**	**SW846 8260B**
Vinyl chloride	91	(61 - 120)			SW846 8260B
	93	(61 - 120)	2.9	(0-30)	SW846 8260B
Xylenes (total)	97	(87 - 116)			SW846 8260B
	95	(87 - 116)	1.8	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
	103	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
	102	(61 - 128)
Toluene-d8	100	(76 - 110)
	99	(76 - 110)
4-Bromofluorobenzene	100	(74 - 116)
	96	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GNXQQ1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H250000-597 GNXQQ1AD-LCSD

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 #...: A4H170141 **Work Order #...:** GNXQQ1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H250000-597 GNXQQ1AD-LCSD
Prep Date.....: 08/24/04 **Analysis Date..:** 08/24/04
Prep Batch #...: 4238597
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	3.5	ug/L	35		SW846 8260B
	10	4.1	ug/L	41	15	SW846 8260B
Benzene	**10**	**9.8**	**ug/L**	**98**		**SW846 8260B**
	10	**9.7**	**ug/L**	**97**	**1.4**	**SW846 8260B**
Bromodichloromethane	10	9.7	ug/L	97		SW846 8260B
	10	9.9	ug/L	99	1.1	SW846 8260B
Bromoform	10	7.0 a	ug/L	70		SW846 8260B
	10	6.8 a	ug/L	68	1.9	SW846 8260B
Bromomethane	10	8.0	ug/L	80		SW846 8260B
	10	7.9	ug/L	79	0.91	SW846 8260B
2-Butanone	10	5.1	ug/L	51		SW846 8260B
	10	5.1	ug/L	51	0.64	SW846 8260B
Carbon disulfide	10	12	ug/L	116		SW846 8260B
	10	11	ug/L	114	1.1	SW846 8260B
Carbon tetrachloride	10	10	ug/L	104		SW846 8260B
	10	11	ug/L	105	0.97	SW846 8260B
Chlorobenzene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**9.8**	**ug/L**	**98**	**1.9**	**SW846 8260B**
Dibromochloromethane	10	8.5	ug/L	85		SW846 8260B
	10	8.6	ug/L	86	1.9	SW846 8260B
Chloroethane	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	101	0.80	SW846 8260B
Chloroform	10	10	ug/L	104		SW846 8260B
	10	10	ug/L	104	0.31	SW846 8260B
Chloromethane	10	8.7	ug/L	87		SW846 8260B
	10	8.6	ug/L	86	1.6	SW846 8260B
1,1-Dichloroethane	10	11	ug/L	111		SW846 8260B
	10	11	ug/L	109	2.0	SW846 8260B
1,2-Dichloroethane	10	9.7	ug/L	97		SW846 8260B
	10	9.9	ug/L	99	2.1	SW846 8260B
cis-1,2-Dichloroethene	10	10	ug/L	100		SW846 8260B
	10	10	ug/L	100	0.63	SW846 8260B
trans-1,2-Dichloroethene	10	12	ug/L	119		SW846 8260B
	10	12	ug/L	118	0.38	SW846 8260B
1,1-Dichloroethene	**10**	**12**	**ug/L**	**121**		**SW846 8260B**
	10	**12**	**ug/L**	**124**	**2.3**	**SW846 8260B**
1,2-Dichloroethene (total)	20	22	ug/L	109		SW846 8260B
	20	22	ug/L	109	0.080	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GNXQQ1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H250000-597 GNXQQ1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dichloropropane	10	9.7	ug/L	97		SW846 8260B
	10	9.5	ug/L	95	2.1	SW846 8260B
cis-1,3-Dichloropropene	10	10	ug/L	100		SW846 8260B
	10	10	ug/L	100	0.47	SW846 8260B
trans-1,3-Dichloropropene	10	9.0	ug/L	90		SW846 8260B
	10	8.9	ug/L	89	1.6	SW846 8260B
Ethylbenzene	10	9.9	ug/L	99		SW846 8260B
	10	9.7	ug/L	97	1.8	SW846 8260B
2-Hexanone	10	5.2	ug/L	52		SW846 8260B
	10	5.2	ug/L	52	1.2	SW846 8260B
Methylene chloride	10	14 a	ug/L	136		SW846 8260B
	10	14 a	ug/L	137	0.57	SW846 8260B
4-Methyl-2-pentanone	10	7.1 a	ug/L	71		SW846 8260B
	10	7.0 a	ug/L	70	2.1	SW846 8260B
Styrene	10	9.5	ug/L	95		SW846 8260B
	10	9.2	ug/L	92	2.6	SW846 8260B
1,1,2,2-Tetrachloroethane	10	8.8	ug/L	88		SW846 8260B
	10	8.9	ug/L	89	1.9	SW846 8260B
Tetrachloroethene	10	9.8	ug/L	98		SW846 8260B
	10	10	ug/L	100	2.0	SW846 8260B
Toluene	**10**	**9.5**	**ug/L**	**95**		**SW846 8260B**
	10	**9.5**	**ug/L**	**95**	**0.020**	**SW846 8260B**
1,1,1-Trichloroethane	10	9.5	ug/L	95		SW846 8260B
	10	9.8	ug/L	98	2.3	SW846 8260B
1,1,2-Trichloroethane	10	9.1	ug/L	91		SW846 8260B
	10	9.1	ug/L	91	0.28	SW846 8260B
Trichloroethene	**10**	**10**	**ug/L**	**104**		**SW846 8260B**
	10	**11**	**ug/L**	**106**	**1.3**	**SW846 8260B**
Vinyl chloride	10	9.1	ug/L	91		SW846 8260B
	10	9.3	ug/L	93	2.9	SW846 8260B
Xylenes (total)	30	29	ug/L	97		SW846 8260B
	30	28	ug/L	95	1.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
	103	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
	102	(61 - 128)
Toluene-d8	100	(76 - 110)
	99	(76 - 110)
4-Bromofluorobenzene	100	(74 - 116)
	96	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GNXQQ1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H250000-597 GNXQQ1AD-LCSD

NOTE(S):

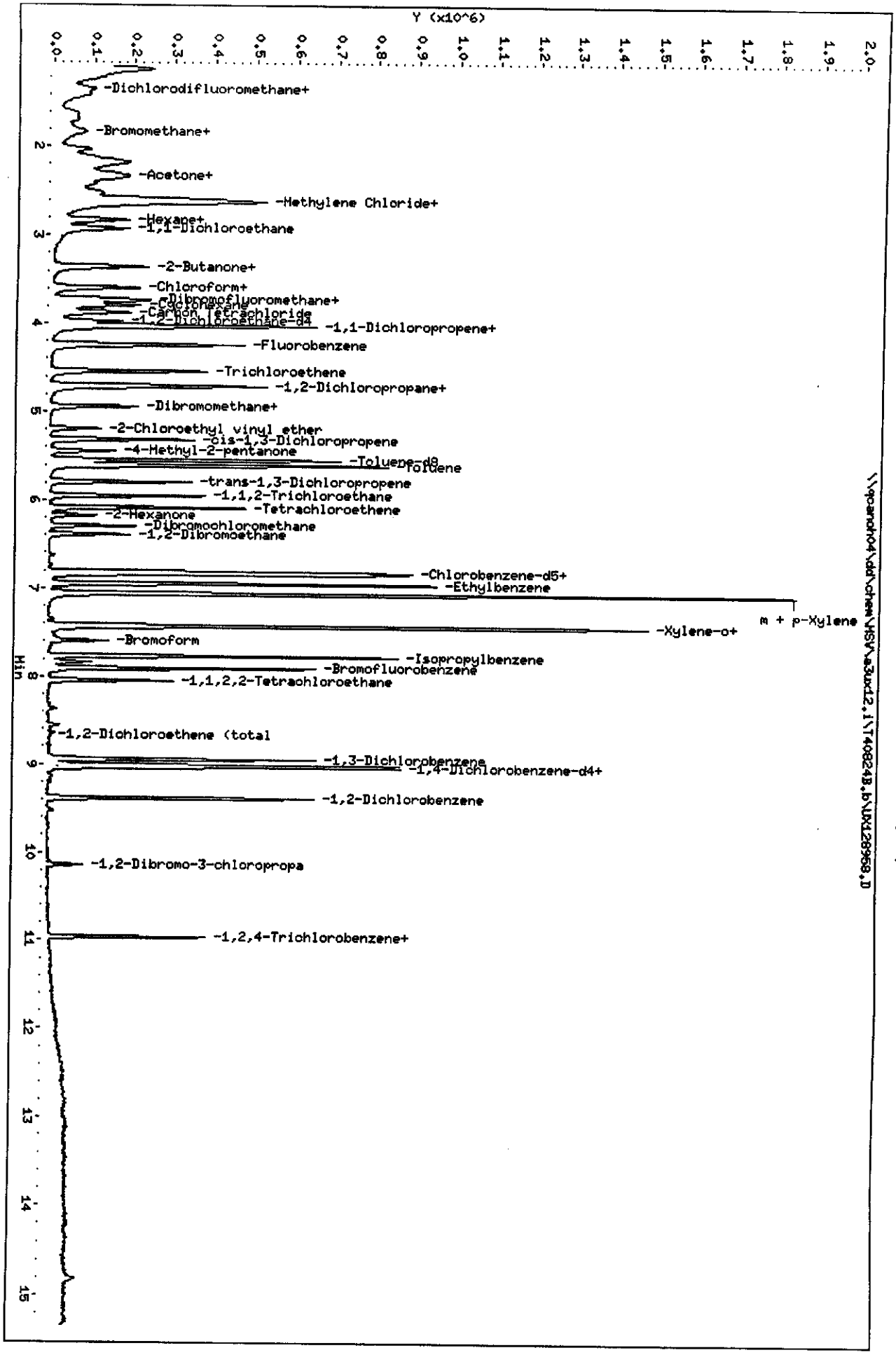
Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Data File: \\qcanoh04\dd\chem\HSV\a3ux12.i\T40824B.b\UX128958.D
Date : 24-AUG-2004 22:23
Client ID: GPXQQ1AC
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128958.D
Report Date: 25-Aug-2004 18:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128958.D
Lab Smp Id: CHECK
Inj Date : 24-AUG-2004 22:23
Operator : 1903 Inst ID: a3ux12.i
Smp Info : CHECK
Misc Info : T40824B,8260LLUX12,2-8260.SUB,1903,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 24-Aug-2004 22:18 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: QCANOH04

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	4.242	4.242	(1.000)	528158	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	488423	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.012	9.011	(1.000)	222504	50.0000	
$ 4 Dibromofluoromethane	113	3.719	3.713	(0.877)	114860	51.6982	10.340
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	146967	52.5357	10.507
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	501415	49.8229	9.964
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	210199	49.8603	9.972
8 Dichlorodifluoromethane	85	1.243	1.230	(0.293)	99229	37.8756	7.575
9 Chloromethane	50	1.340	1.328	(0.316)	189236	43.4820	8.696
10 Vinyl Chloride	62	1.413	1.395	(0.333)	169196	45.4130	9.082
11 Bromomethane	94	1.608	1.602	(0.379)	91333	40.1013	8.020
12 Chloroethane	64	1.693	1.681	(0.399)	120251	51.0081	10.202
13 Trichlorofluoromethane	101	1.827	1.821	(0.431)	216935	62.2590	12.452
15 Acrolein	56	2.028	2.021	(0.478)	229011	582.534	116.51
16 Acetone	43	2.125	2.119	(0.501)	37896	17.7203	3.544
17 1,1-Dichloroethene	96	2.180	2.167	(0.514)	173751	60.6159	12.123
18 Freon-113	151	2.186	2.161	(0.515)	123790	64.5658	12.913
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128958.D
Report Date: 25-Aug-2004 18:21

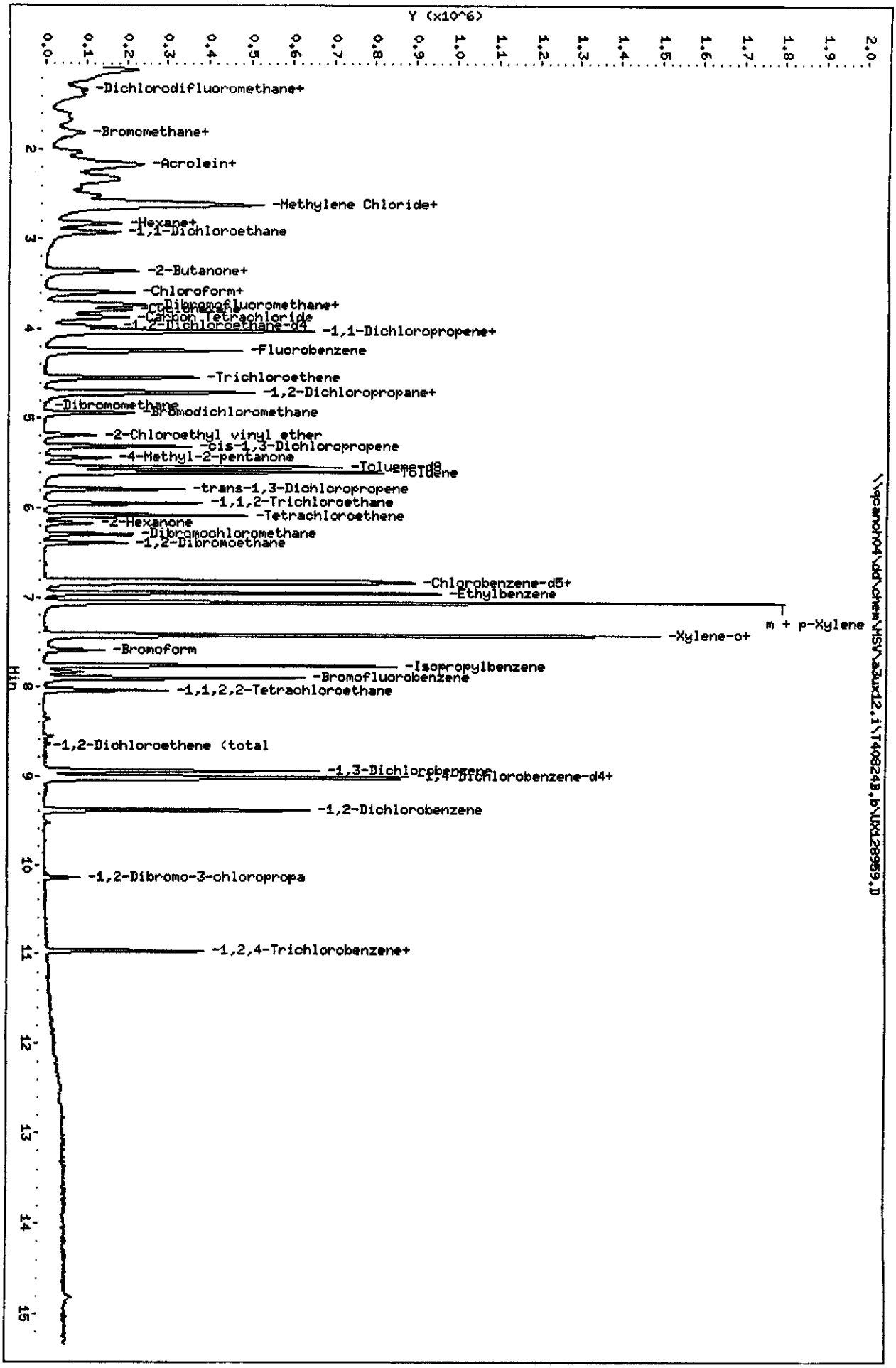
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.320	2.307	(0.547)	521977	57.8025	11.560
	21 Methylene Chloride	84	2.526	2.526	(0.596)	204846	68.0024	13.600
	22 Acetonitrile	41	2.326	2.313	(0.548)	163263	394.244	78.849
	23 Acrylonitrile	53	2.587	2.593	(0.610)	512835	477.503	95.500
	24 Methyl tert-butyl ether	73	2.630	2.624	(0.620)	279226	35.9041	7.181
	25 trans-1,2-Dichloroethene	96	2.630	2.624	(0.620)	158166	59.3552	11.871
	26 Hexane	57	2.825	2.830	(0.666)	125176	57.3525	11.470
	27 Vinyl acetate	43	2.831	2.958	(0.667)	75019	18.0648	3.613
	28 1,1-Dichloroethane	63	2.928	2.922	(0.690)	243235	55.7101	11.142
	29 tert-Butyl Alcohol	59	2.344	2.502	(0.553)	8797	35.4202	7.084
	30 2-Butanone	43	3.360	3.360	(0.792)	51823	25.3433	5.069
M	31 1,2-Dichloroethene (total)	96				298412	109.181	21.836
	32 cis-1,2-dichloroethene	96	3.354	3.354	(0.791)	140245	49.8259	9.965
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	3.597	3.591	(0.848)	228307	52.0804	10.416
	36 Tetrahydrofuran	42	3.573	3.567	(0.842)	11586	11.0615	2.212
	37 1,1,1-Trichloroethane	97	3.743	3.737	(0.882)	167257	47.7033	9.541
	38 1,1-Dichloropropene	75	4.023	3.865	(0.948)	10383	3.09644	0.6193
	39 Carbon Tetrachloride	117	3.871	3.871	(0.913)	147383	52.1102	10.422
	40 1,2-Dichloroethane	62	4.035	4.035	(0.951)	172547	48.6227	9.724
	41 Benzene	78	4.023	4.023	(0.948)	574830	49.0400	9.808
	42 Trichloroethene	130	4.540	4.540	(1.070)	158568	52.2139	10.443
	43 1,2-Dichloropropane	63	4.717	4.716	(1.112)	124528	48.5244	9.705
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	4.942	4.808	(1.165)	4497	2.90914	0.5818
	46 Bromodichloromethane	83	4.942	4.941	(1.165)	158182	48.7269	9.745
	47 2-Chloroethyl vinyl ether	63	5.191	5.191	(1.224)	56629	56.4565	11.291
	48 cis-1,3-Dichloropropene	75	5.313	5.313	(1.252)	213356	50.1229	10.024
	49 4-Methyl-2-pentanone	43	5.447	5.440	(1.284)	113022	35.5682	7.114
	50 Toluene	91	5.605	5.605	(0.822)	627305	47.3773	9.475
	51 trans-1,3-Dichloropropene	75	5.787	5.787	(0.849)	193356	45.1651	9.033
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	5.945	5.945	(0.872)	124653	45.4797	9.096
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.085	6.079	(0.893)	124103	49.0872	9.817
	56 2-Hexanone	43	6.170	6.170	(0.905)	76202	26.2012	5.240
	57 Dibromochloromethane	129	6.292	6.292	(0.923)	114942	42.3369	8.467
	58 1,2-Dibromoethane	107	6.389	6.389	(0.938)	137730	46.8871	9.377
	59 Chlorobenzene	112	6.840	6.840	(1.004)	455270	49.7424	9.948
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	6.949	6.949	(1.020)	228042	49.2797	9.856
	62 m + p-Xylene	106	7.053	7.059	(1.035)	574708	98.0221	19.604
M	63 Xylenes (total)	106				845010	145.022	29.004
	64 Xylene-o	106	7.418	7.417	(1.088)	270301	46.9994	9.400
	65 Styrene	104	7.430	7.436	(1.090)	484564	47.4324	9.486
	66 Bromoform	173	7.594	7.594	(1.114)	68553	34.8388	6.968

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128958.D
Report Date: 25-Aug-2004 18:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	7.770	7.770	(1.140)	586287	47.9634	9.593
68 1,1,2,2-Tetrachloroethane	83	8.050	8.050	(0.893)	141335	43.7702	8.754
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	8.945	8.944	(0.993)	297285	50.4981	10.100
81 1,4-Dichlorobenzene	146	9.036	9.030	(1.003)	317346	50.1276	10.026
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	9.389	9.389	(1.042)	289745	49.7174	9.943
84 1,2-Dibromo-3-chloropropane	157	10.143	10.143	(1.126)	26086	42.4656	8.493
85 1,2,4-Trichlorobenzene	180	10.964	10.970	(1.217)	122261	51.2088	10.242
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	11.196	11.195	(1.242)	4815	4.79831	0.9597
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	3.792	3.786	(0.894)	168149	47.1921	9.438
143 Methyl Acetate	43	2.344	2.356	(0.553)	96240	40.5381	8.108
144 Methylcyclohexane	83	4.698	4.698	(1.108)	146950	52.8908	10.578
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\HSV\a3ux12.i\T40824B.b\UX128959.D
Date : 24-AUG-2004 22:48
Client ID: GUXQQ1AD
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



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Report Date: 25-Aug-2004 18:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128959.D
Lab Smp Id: CHECK
Inj Date : 24-AUG-2004 22:48
Operator : 1903 Inst ID: a3ux12.i
Smp Info : CHECK
Misc Info : T40824B,8260LLUX12,2-8260.SUB,1903,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 24-Aug-2004 22:18 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 5 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: QCANOH04

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	4.242	4.242	(1.000)	530404	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	494175	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.011	9.011	(1.000)	220421	50.0000	
$ 4 Dibromofluoromethane	113	3.719	3.713	(0.877)	114721	51.4173	10.283
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	143950	51.2393	10.248
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	505098	49.6047	9.921
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	204502	47.9443	9.589
8 Dichlorodifluoromethane	85	1.231	1.230	(0.290)	108882	41.3837	8.277
9 Chloromethane	50	1.328	1.328	(0.313)	186900	42.7632	8.553
10 Vinyl Chloride	62	1.401	1.395	(0.330)	174860	46.7346	9.347
11 Bromomethane	94	1.608	1.602	(0.379)	90888	39.7372	7.947
12 Chloroethane	64	1.693	1.681	(0.399)	119793	50.5986	10.120
13 Trichlorofluoromethane	101	1.808	1.821	(0.426)	221617	63.3333	12.667
15 Acrolein	56	2.021	2.021	(0.477)	223878	567.065	113.41
16 Acetone	43	2.119	2.119	(0.500)	41993	20.6917	4.138
17 1,1-Dichloroethene	96	2.167	2.167	(0.511)	178636	62.0387	12.408
18 Freon-113	151	2.167	2.161	(0.511)	122499	63.6539	12.731
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128959.D
Report Date: 25-Aug-2004 18:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.307	2.307	(0.544)	518346	57.1573	11.431
	21 Methylene Chloride	84	2.520	2.526	(0.594)	206896	68.3920	13.678
	22 Acetonitrile	41	2.320	2.313	(0.547)	157086	377.721	75.544
	23 Acrylonitrile	53	2.587	2.593	(0.610)	510766	473.563	94.712
	24 Methyl tert-butyl ether	73	2.624	2.624	(0.619)	298743	38.2510	7.650
	25 trans-1,2-Dichloroethene	96	2.630	2.624	(0.620)	158240	59.1315	11.826
	26 Hexane	57	2.831	2.830	(0.667)	126351	57.6460	11.529
	27 Vinyl acetate	43	2.824	2.958	(0.666)	73547	17.6353	3.527
	28 1,1-Dichloroethane	63	2.928	2.922	(0.690)	239372	54.5932	10.919
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	3.360	3.360	(0.792)	52390	25.5123	5.102
M	31 1,2-Dichloroethene (total)	96				299974	109.273	21.855
	32 cis-1,2-dichloroethene	96	3.354	3.354	(0.791)	141734	50.1415	10.028
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	3.597	3.591	(0.848)	229998	52.2439	10.449
	36 Tetrahydrofuran	42	3.579	3.567	(0.844)	9280	8.41340	1.683
	37 1,1,1-Trichloroethane	97	3.743	3.737	(0.882)	171890	48.8171	9.763
	38 1,1-Dichloropropene	75	4.029	3.865	(0.950)	10250	3.04387	0.6088
	39 Carbon Tetrachloride	117	3.871	3.871	(0.913)	149455	52.6191	10.524
	40 1,2-Dichloroethane	62	4.035	4.035	(0.951)	176889	49.6353	9.927
	41 Benzene	78	4.029	4.023	(0.950)	569197	48.3538	9.671
	42 Trichloroethene	130	4.540	4.540	(1.070)	161392	52.9187	10.584
	43 1,2-Dichloropropane	63	4.716	4.716	(1.112)	122491	47.5286	9.506
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	4.802	4.808	(1.132)	1498	0.96506	0.1930
	46 Bromodichloromethane	83	4.942	4.941	(1.165)	160640	49.2743	9.855
	47 2-Chloroethyl vinyl ether	63	5.191	5.191	(1.224)	58396	57.9717	11.594
	48 cis-1,3-Dichloropropene	75	5.313	5.313	(1.252)	213245	49.8846	9.977
	49 4-Methyl-2-pentanone	43	5.446	5.440	(1.284)	111124	34.8230	6.965
	50 Toluene	91	5.605	5.605	(0.822)	634794	47.3848	9.477
	51 trans-1,3-Dichloropropene	75	5.787	5.787	(0.849)	192423	44.4240	8.885
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	5.945	5.945	(0.872)	126476	45.6075	9.122
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.085	6.079	(0.893)	128042	50.0554	10.011
	56 2-Hexanone	43	6.170	6.170	(0.905)	76207	25.8982	5.180
	57 Dibromochloromethane	129	6.292	6.292	(0.923)	118563	43.1622	8.632
	58 1,2-Dibromoethane	107	6.396	6.389	(0.938)	135704	45.6597	9.132
	59 Chlorobenzene	112	6.840	6.840	(1.004)	452079	48.8187	9.764
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	6.949	6.949	(1.020)	226525	48.3821	9.676
	62 m + p-Xylene	106	7.059	7.059	(1.036)	569862	96.0641	19.213
M	63 Xylenes (total)	106				839827	142.459	28.492
	64 Xylene-o	106	7.418	7.417	(1.088)	269965	46.3946	9.279
	65 Styrene	104	7.436	7.436	(1.091)	477895	46.2351	9.247
	66 Bromoform	173	7.594	7.594	(1.114)	67824	34.1905	6.838

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128959.D
Report Date: 25-Aug-2004 18:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	7.770	7.770	(1.140)	575069	46.4980	9.300
68 1,1,2,2-Tetrachloroethane	83	8.050	8.050	(0.893)	142685	44.6059	8.921
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	8.945	8.944	(0.993)	292254	50.1126	10.022
81 1,4-Dichlorobenzene	146	9.036	9.030	(1.003)	316118	50.4055	10.081
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	9.389	9.389	(1.042)	286973	49.7071	9.941
84 1,2-Dibromo-3-chloropropane	157	10.143	10.143	(1.126)	24851	40.9558	8.191
85 1,2,4-Trichlorobenzene	180	10.964	10.970	(1.217)	118864	50.2560	10.051
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	11.202	11.195	(1.243)	3558	4.61547	0.9231
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	3.792	3.786	(0.894)	168619	47.1237	9.425
143 Methyl Acetate	43	2.350	2.356	(0.554)	96685	40.5531	8.111
144 Methylcyclohexane	83	4.698	4.698	(1.108)	147708	52.9383	10.588
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GN5NR1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H270000-553 GN5NR1AD-LCSD
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4240553
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	64	(22 - 200)			SW846 8260B
	68	(22 - 200)	6.0	(0-95)	SW846 8260B
Benzene	**97**	**(80 - 116)**			**SW846 8260B**
	99	**(80 - 116)**	**1.8**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	103	(87 - 130)			SW846 8260B
	105	(87 - 130)	1.7	(0-30)	SW846 8260B
Bromoform	88	(76 - 150)			SW846 8260B
	87	(76 - 150)	1.5	(0-30)	SW846 8260B
Bromomethane	86	(64 - 129)			SW846 8260B
	85	(64 - 129)	1.1	(0-30)	SW846 8260B
2-Butanone	53	(28 - 237)			SW846 8260B
	55	(28 - 237)	2.3	(0-65)	SW846 8260B
Carbon disulfide	126	(73 - 139)			SW846 8260B
	124	(73 - 139)	1.8	(0-30)	SW846 8260B
Carbon tetrachloride	110	(75 - 149)			SW846 8260B
	110	(75 - 149)	0.0	(0-30)	SW846 8260B
Chlorobenzene	**101**	**(76 - 117)**			**SW846 8260B**
	99	**(76 - 117)**	**2.1**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	99	(81 - 138)			SW846 8260B
	98	(81 - 138)	0.91	(0-30)	SW846 8260B
Chloroethane	110	(66 - 126)			SW846 8260B
	110	(66 - 126)	0.18	(0-30)	SW846 8260B
Chloroform	105	(84 - 128)			SW846 8260B
	104	(84 - 128)	1.1	(0-30)	SW846 8260B
Chloromethane	94	(48 - 123)			SW846 8260B
	93	(48 - 123)	1.2	(0-30)	SW846 8260B
1,1-Dichloroethane	117	(86 - 123)			SW846 8260B
	118	(86 - 123)	0.43	(0-30)	SW846 8260B
1,2-Dichloroethane	101	(79 - 136)			SW846 8260B
	102	(79 - 136)	1.2	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	102	(85 - 113)			SW846 8260B
	100	(85 - 113)	2.0	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	122 a	(79 - 120)			SW846 8260B
	124 a	(79 - 120)	1.6	(0-30)	SW846 8260B
1,1-Dichloroethene	**123**	**(63 - 130)**			**SW846 8260B**
	125	**(63 - 130)**	**1.6**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	112	(82 - 116)			SW846 8260B
	112	(82 - 116)	0.030	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GN5NR1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H270000-553 GN5NR1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	101	(82 - 115)			SW846 8260B
	99	(82 - 115)	1.2	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	98	(84 - 130)			SW846 8260B
	100	(84 - 130)	1.5	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	87	(84 - 130)			SW846 8260B
	84	(84 - 130)	3.4	(0-30)	SW846 8260B
Ethylbenzene	100	(86 - 116)			SW846 8260B
	97	(86 - 116)	2.8	(0-30)	SW846 8260B
2-Hexanone	54	(35 - 200)			SW846 8260B
	54	(35 - 200)	0.66	(0-52)	SW846 8260B
Methylene chloride	128 a	(78 - 118)			SW846 8260B
	132 a	(78 - 118)	3.0	(0-30)	SW846 8260B
4-Methyl-2-pentanone	71 a	(78 - 141)			SW846 8260B
	75 a	(78 - 141)	4.6	(0-32)	SW846 8260B
Styrene	97	(85 - 117)			SW846 8260B
	93	(85 - 117)	4.3	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	96	(85 - 118)			SW846 8260B
	93	(85 - 118)	3.0	(0-30)	SW846 8260B
Tetrachloroethene	99	(88 - 113)			SW846 8260B
	98	(88 - 113)	1.7	(0-30)	SW846 8260B
Toluene	**96**	**(74 - 119)**			**SW846 8260B**
	94	**(74 - 119)**	**2.1**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	96	(78 - 140)			SW846 8260B
	97	(78 - 140)	0.45	(0-30)	SW846 8260B
1,1,2-Trichloroethane	93	(83 - 122)			SW846 8260B
	94	(83 - 122)	1.7	(0-30)	SW846 8260B
Trichloroethene	**107**	**(75 - 122)**			**SW846 8260B**
	106	**(75 - 122)**	**0.30**	**(0-20)**	**SW846 8260B**
Vinyl chloride	90	(61 - 120)			SW846 8260B
	92	(61 - 120)	2.3	(0-30)	SW846 8260B
Xylenes (total)	99	(87 - 116)			SW846 8260B
	96	(87 - 116)	2.2	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
	109	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
	107	(61 - 128)
Toluene-d8	104	(76 - 110)
	103	(76 - 110)
4-Bromofluorobenzene	101	(74 - 116)
	97	(74 - 116)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GN5NR1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H270000-553 GN5NR1AD-LCSD

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 #...: A4H170141 **Work Order #...:** GN5NR1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H270000-553 GN5NR1AD-LCSD
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4240553
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	6.4	ug/L	64		SW846 8260B
	10	6.8	ug/L	68	6.0	SW846 8260B
Benzene	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	10	**9.9**	**ug/L**	**99**	**1.8**	**SW846 8260B**
Bromodichloromethane	10	10	ug/L	103		SW846 8260B
	10	11	ug/L	105	1.7	SW846 8260B
Bromoform	10	8.8	ug/L	88		SW846 8260B
	10	8.7	ug/L	87	1.5	SW846 8260B
Bromomethane	10	8.6	ug/L	86		SW846 8260B
	10	8.5	ug/L	85	1.1	SW846 8260B
2-Butanone	10	5.3	ug/L	53		SW846 8260B
	10	5.5	ug/L	55	2.3	SW846 8260B
Carbon disulfide	10	13	ug/L	126		SW846 8260B
	10	12	ug/L	124	1.8	SW846 8260B
Carbon tetrachloride	10	11	ug/L	110		SW846 8260B
	10	11	ug/L	110	0.0	SW846 8260B
Chlorobenzene	**10**	**10**	**ug/L**	**101**		**SW846 8260B**
	10	**9.9**	**ug/L**	**99**	**2.1**	**SW846 8260B**
Dibromochloromethane	10	9.9	ug/L	99		SW846 8260B
	10	9.8	ug/L	98	0.91	SW846 8260B
Chloroethane	10	11	ug/L	110		SW846 8260B
	10	11	ug/L	110	0.18	SW846 8260B
Chloroform	10	10	ug/L	105		SW846 8260B
	10	10	ug/L	104	1.1	SW846 8260B
Chloromethane	10	9.4	ug/L	94		SW846 8260B
	10	9.3	ug/L	93	1.2	SW846 8260B
1,1-Dichloroethane	10	12	ug/L	117		SW846 8260B
	10	12	ug/L	118	0.43	SW846 8260B
1,2-Dichloroethane	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	102	1.2	SW846 8260B
cis-1,2-Dichloroethene	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	100	2.0	SW846 8260B
trans-1,2-Dichloroethene	10	12 a	ug/L	122		SW846 8260B
	10	12 a	ug/L	124	1.6	SW846 8260B
1,1-Dichloroethene	**10**	**12**	**ug/L**	**123**		**SW846 8260B**
	10	**13**	**ug/L**	**125**	**1.6**	**SW846 8260B**
1,2-Dichloroethene (total)	20	22	ug/L	112		SW846 8260B
	20	22	ug/L	112	0.030	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GN5NR1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H270000-553 GN5NR1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dichloropropane	10	10	ug/L	101		SW846 8260B
	10	9.9	ug/L	99	1.2	SW846 8260B
cis-1,3-Dichloropropene	10	9.8	ug/L	98		SW846 8260B
	10	10	ug/L	100	1.5	SW846 8260B
trans-1,3-Dichloropropene	10	8.7	ug/L	87		SW846 8260B
	10	8.4	ug/L	84	3.4	SW846 8260B
Ethylbenzene	10	10	ug/L	100		SW846 8260B
	10	9.7	ug/L	97	2.8	SW846 8260B
2-Hexanone	10	5.4	ug/L	54		SW846 8260B
	10	5.4	ug/L	54	0.66	SW846 8260B
Methylene chloride	10	13 a	ug/L	128		SW846 8260B
	10	13 a	ug/L	132	3.0	SW846 8260B
4-Methyl-2-pentanone	10	7.1 a	ug/L	71		SW846 8260B
	10	7.5 a	ug/L	75	4.6	SW846 8260B
Styrene	10	9.7	ug/L	97		SW846 8260B
	10	9.3	ug/L	93	4.3	SW846 8260B
1,1,2,2-Tetrachloroethane	10	9.6	ug/L	96		SW846 8260B
	10	9.3	ug/L	93	3.0	SW846 8260B
Tetrachloroethene	10	9.9	ug/L	99		SW846 8260B
	10	9.8	ug/L	98	1.7	SW846 8260B
Toluene	**10**	**9.6**	**ug/L**	**96**		**SW846 8260B**
	10	**9.4**	**ug/L**	**94**	**2.1**	**SW846 8260B**
1,1,1-Trichloroethane	10	9.6	ug/L	96		SW846 8260B
	10	9.7	ug/L	97	0.45	SW846 8260B
1,1,2-Trichloroethane	10	9.3	ug/L	93		SW846 8260B
	10	9.4	ug/L	94	1.7	SW846 8260B
Trichloroethene	**10**	**11**	**ug/L**	**107**		**SW846 8260B**
	10	**11**	**ug/L**	**106**	**0.30**	**SW846 8260B**
Vinyl chloride	10	9.0	ug/L	90		SW846 8260B
	10	9.2	ug/L	92	2.3	SW846 8260B
Xylenes (total)	30	30	ug/L	99		SW846 8260B
	30	29	ug/L	96	2.2	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
	109	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
	107	(61 - 128)
Toluene-d8	104	(76 - 110)
	103	(76 - 110)
4-Bromofluorobenzene	101	(74 - 116)
	97	(74 - 116)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GN5NR1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H270000-553 GN5NR1AD-LCSD

NOTE(S):

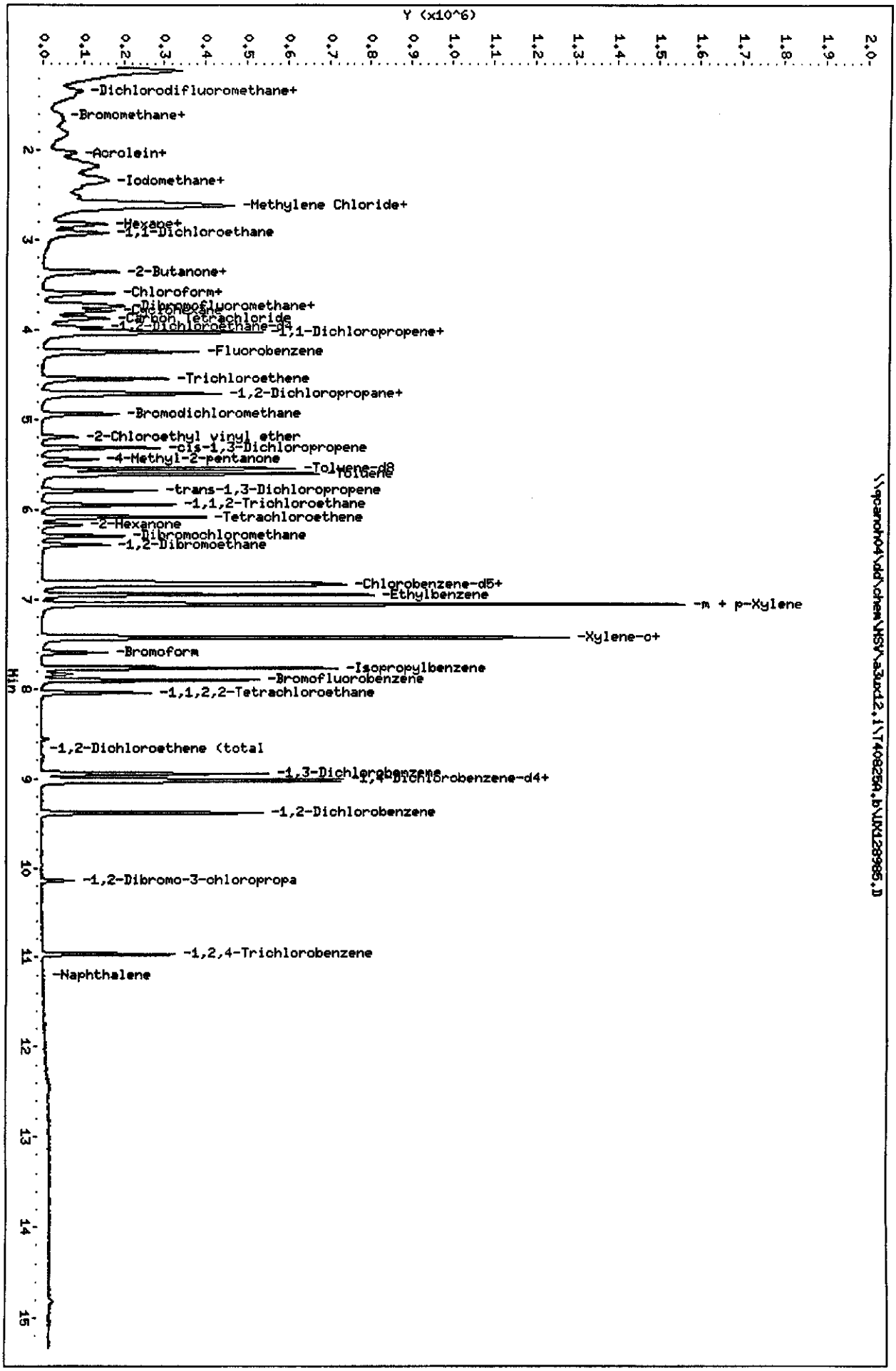
Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Data File: \\qcanoh04\dd\chem\HSV\a3ux12.i\T408250A.b\UX128986.D
Date : 25-AUG-2004 17:09
Client ID: GUSNRIAC
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128985.D
Report Date: 25-Aug-2004 22:52

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128985.D
Lab Smp Id: CHECK
Inj Date : 25-AUG-2004 17:09
Operator : 1903 Inst ID: a3ux12.i
Smp Info : CHECK
Misc Info : T40825A,8260LLUX12,2-8260.SUB,1903,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40825A.b\8260LLUX12.m
Meth Date : 25-Aug-2004 17:07 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: QCANOH04

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	4.242	4.242	(1.000)	427400	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	399733	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.011	9.012	(1.000)	183299	50.0000	
$ 4 Dibromofluoromethane	113	3.713	3.713	(0.875)	94537	52.5822	10.516
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	109906	48.5496	9.710
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	427599	51.9153	10.383
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	174388	50.5438	10.109
8 Dichlorodifluoromethane	85	1.249	1.225	(0.294)	94086	44.3785	8.876
9 Chloromethane	50	1.346	1.346	(0.317)	165722	47.0560	9.411
10 Vinyl Chloride	62	1.413	1.413	(0.333)	135543	44.9570	8.991
11 Bromomethane	94	1.614	1.614	(0.381)	79505	43.1377	8.628
12 Chloroethane	64	1.699	1.693	(0.401)	104847	54.9585	10.992
13 Trichlorofluoromethane	101	1.814	1.821	(0.428)	187756	66.5877	13.318
15 Acrolein	56	2.033	2.021	(0.479)	193193	607.276	121.46
16 Acetone	43	2.131	2.131	(0.502)	45884	31.9771	6.395
17 1,1-Dichloroethene	96	2.179	2.192	(0.514)	142817	61.5583	12.312
18 Freon-113	151	2.161	2.186	(0.510)	97653	62.9953	12.599

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128985.D
Report Date: 25-Aug-2004 22:52

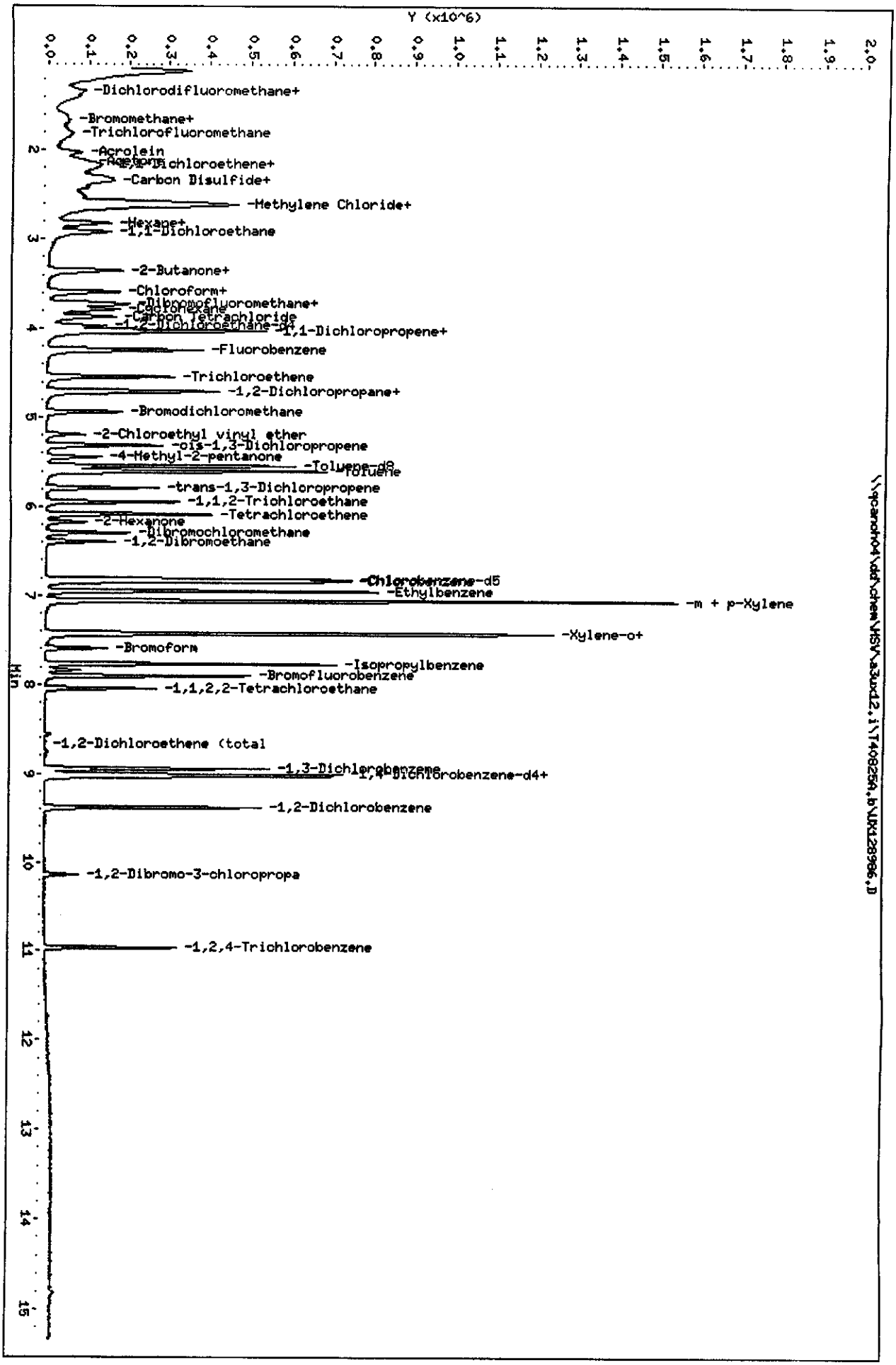
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.344	2.295	(0.553)	4622	1.43862	0.2877
	20 Carbon Disulfide	76	2.313	2.320	(0.545)	461575	63.1635	12.633
	21 Methylene Chloride	84	2.526	2.526	(0.596)	155603	63.8329	12.766
	22 Acetonitrile	41	2.319	2.307	(0.547)	144663	431.681	86.336
	23 Acrylonitrile	53	2.587	2.587	(0.610)	450015	517.791	103.56
	24 Methyl tert-butyl ether	73	2.624	2.624	(0.619)	234228	37.2183	7.444
	25 trans-1,2-Dichloroethene	96	2.624	2.624	(0.619)	131862	61.1497	12.230
	26 Hexane	57	2.824	2.825	(0.666)	98863	55.9752	11.195
	27 Vinyl acetate	43	2.830	2.958	(0.667)	68853	20.4887	4.098
	28 1,1-Dichloroethane	63	2.922	2.928	(0.689)	207148	58.6299	11.726
	29 tert-Butyl Alcohol	59	2.344	2.502	(0.553)	7016	34.9099	6.982
	30 2-Butanone	43	3.360	3.360	(0.792)	44184	26.7019	5.340
M	31 1,2-Dichloroethene (total)	96				248145	112.202	22.440
	32 cis-1,2-dichloroethene	96	3.354	3.354	(0.791)	116283	51.0520	10.210
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	3.591	3.591	(0.847)	186082	52.4551	10.491
	36 Tetrahydrofuran	42	3.567	3.573	(0.841)	9679	11.4845	2.297
	37 1,1,1-Trichloroethane	97	3.743	3.743	(0.882)	136539	48.1226	9.624
	38 1,1-Dichloropropene	75	4.023	3.865	(0.948)	7667	2.82552	0.5651
	39 Carbon Tetrachloride	117	3.871	3.871	(0.913)	125363	54.7739	10.955
	40 1,2-Dichloroethane	62	4.035	4.035	(0.951)	144348	50.2659	10.053
	41 Benzene	78	4.023	4.023	(0.948)	460369	48.5341	9.707
	42 Trichloroethene	130	4.540	4.540	(1.070)	130942	53.2818	10.656
	43 1,2-Dichloropropane	63	4.710	4.717	(1.110)	104496	50.3179	10.064
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	4.941	4.936	(1.165)	135627	51.6279	10.326
	47 2-Chloroethyl vinyl ether	63	5.197	5.191	(1.225)	39162	48.2475	9.650
	48 cis-1,3-Dichloropropene	75	5.313	5.313	(1.252)	168949	49.0473	9.809
	49 4-Methyl-2-pentanone	43	5.446	5.440	(1.284)	91622	35.6311	7.126
	50 Toluene	91	5.605	5.605	(0.822)	517538	47.7595	9.552
	51 trans-1,3-Dichloropropene	75	5.787	5.787	(0.849)	152876	43.6328	8.726
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	5.945	5.945	(0.872)	103824	46.2847	9.257
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.085	6.079	(0.893)	102756	49.6613	9.932
	56 2-Hexanone	43	6.170	6.170	(0.905)	64225	26.9830	5.396
	57 Dibromochloromethane	129	6.292	6.292	(0.923)	109625	49.3372	9.867
	58 1,2-Dibromoethane	107	6.389	6.389	(0.938)	114641	47.6857	9.537
	59 Chlorobenzene	112	6.840	6.840	(1.004)	377416	50.3853	10.077
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	6.949	6.943	(1.020)	188953	49.8921	9.978
	62 m + p-Xylene	106	7.059	7.059	(1.036)	474720	98.9327	19.786
M	63 Xylenes (total)	106				705286	147.918	29.584
	64 Xylene-o	106	7.424	7.418	(1.089)	230566	48.9854	9.797
	65 Styrene	104	7.430	7.430	(1.090)	407369	48.7234	9.745

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128985.D
Report Date: 25-Aug-2004 22:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	7.594	7.594	(1.114)	73975	44.1627	8.832
67 Isopropylbenzene	105	7.770	7.770	(1.140)	485932	48.5736	9.715
68 1,1,2,2-Tetrachloroethane	83	8.050	8.044	(0.893)	127166	47.8054	9.561
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	8.944	8.945	(0.993)	240290	49.5467	9.909
81 1,4-Dichlorobenzene	146	9.030	9.030	(1.002)	268336	51.4518	10.290
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	9.389	9.389	(1.042)	235712	49.0966	9.819
84 1,2-Dibromo-3-chloropropane	157	10.143	10.143	(1.126)	23377	45.9209	9.184
85 1,2,4-Trichlorobenzene	180	10.964	10.964	(1.217)	100711	51.2045	10.241
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	11.201	11.196	(1.243)	1217	4.29953	0.8599
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	3.792	3.786	(0.894)	132582	45.9824	9.196
143 Methyl Acetate	43	2.350	2.350	(0.554)	84465	43.9659	8.793
144 Methylcyclohexane	83	4.698	4.698	(1.108)	112611	50.0864	10.017
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcandh04\dd\chem\HSV\a3ux12.i\T408256.b\UX128986.D
Date : 25-AUG-2004 17:34
Client ID: GASNRIAD
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128986.D
Report Date: 25-Aug-2004 22:53

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128986.D
Lab Smp Id: CHECK
Inj Date : 25-AUG-2004 17:34
Operator : 1903 Inst ID: a3ux12.i
Smp Info : CHECK
Misc Info : T40825A,8260LLUX12,2-8260.SUB,1903,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40825A.b\8260LLUX12.m
Meth Date : 25-Aug-2004 17:07 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 5 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: QCANOH04

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	4.242	4.242	(1.000)	423256	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	408258	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.011	9.012	(1.000)	189278	50.0000	
$ 4 Dibromofluoromethane	113	3.713	3.713	(0.875)	97171	54.5762	10.915
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	119981	53.5188	10.704
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	434963	51.7066	10.341
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	170835	48.4801	9.696
8 Dichlorodifluoromethane	85	1.231	1.225	(0.290)	92263	43.9449	8.789
9 Chloromethane	50	1.334	1.346	(0.315)	162204	46.5079	9.302
10 Vinyl Chloride	62	1.419	1.413	(0.335)	137368	46.0083	9.202
11 Bromomethane	94	1.614	1.614	(0.381)	77847	42.6513	8.530
12 Chloroethane	64	1.705	1.693	(0.402)	103648	54.8621	10.972
13 Trichlorofluoromethane	101	1.815	1.821	(0.428)	180345	64.5856	12.917
15 Acrolein	56	2.028	2.021	(0.478)	192648	611.490	122.30
16 Acetone	43	2.125	2.131	(0.501)	47527	33.9523	6.790
17 1,1-Dichloroethene	96	2.180	2.192	(0.514)	143822	62.5856	12.517
18 Freon-113	151	2.192	2.186	(0.517)	101245	65.8498	13.170
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128986.D
Report Date: 25-Aug-2004 22:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	20 Carbon Disulfide	76	2.313	2.320	(0.545)	448922	62.0334	12.407
	21 Methylene Chloride	84	2.526	2.526	(0.596)	158757	65.7643	13.153
	22 Acetonitrile	41	2.313	2.307	(0.545)	147130	443.342	88.668
	23 Acrylonitrile	53	2.587	2.587	(0.610)	462741	537.646	107.53
	24 Methyl tert-butyl ether	73	2.624	2.624	(0.619)	238993	38.3472	7.669
	25 trans-1,2-Dichloroethene	96	2.624	2.624	(0.619)	132706	62.1437	12.429
	26 Hexane	57	2.824	2.825	(0.666)	105312	60.2103	12.042
	27 Vinyl acetate	43	2.824	2.958	(0.666)	74477	22.3790	4.476
	28 1,1-Dichloroethane	63	2.922	2.928	(0.689)	206039	58.8867	11.777
	29 tert-Butyl Alcohol	59	2.350	2.502	(0.554)	7233	36.3428	7.268
	30 2-Butanone	43	3.366	3.360	(0.793)	44779	27.3263	5.465
M	31 1,2-Dichloroethene (total)	96				245533	112.163	22.433
	32 cis-1,2-dichloroethene	96	3.354	3.354	(0.791)	112826	50.0194	10.004
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	3.591	3.591	(0.847)	182221	51.8697	10.374
	36 Tetrahydrofuran	42	3.573	3.573	(0.842)	8554	10.0326	2.006
	37 1,1,1-Trichloroethane	97	3.737	3.743	(0.881)	135825	48.3397	9.668
	38 1,1-Dichloropropene	75	4.023	3.865	(0.948)	7867	2.92775	0.5856
	39 Carbon Tetrachloride	117	3.871	3.871	(0.913)	124167	54.7827	10.956
	40 1,2-Dichloroethane	62	4.035	4.035	(0.951)	144659	50.8673	10.173
	41 Benzene	78	4.023	4.023	(0.948)	464122	49.4087	9.882
	42 Trichloroethene	130	4.540	4.540	(1.070)	129285	53.1226	10.624
	43 1,2-Dichloropropane	63	4.716	4.717	(1.112)	102239	49.7129	9.942
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	4.942	4.936	(1.165)	136647	52.5257	10.505
	47 2-Chloroethyl vinyl ether	63	5.191	5.191	(1.224)	40458	50.3322	10.066
	48 cis-1,3-Dichloropropene	75	5.313	5.313	(1.252)	169888	49.8030	9.960
	49 4-Methyl-2-pentanone	43	5.446	5.440	(1.284)	95021	37.3149	7.463
	50 Toluene	91	5.605	5.605	(0.822)	517768	46.7831	9.357
	51 trans-1,3-Dichloropropene	75	5.787	5.787	(0.849)	150854	42.1564	8.431
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	5.945	5.945	(0.872)	107910	47.1020	9.420
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.085	6.079	(0.893)	103199	48.8339	9.767
	56 2-Hexanone	43	6.170	6.170	(0.905)	66022	27.1586	5.432
	57 Dibromochloromethane	129	6.292	6.292	(0.923)	110939	48.8864	9.777
	58 1,2-Dibromoethane	107	6.389	6.389	(0.938)	112581	45.8514	9.170
	59 Chlorobenzene	112	6.840	6.840	(1.004)	377509	49.3454	9.869
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	6.949	6.943	(1.020)	187700	48.5265	9.705
	62 m + p-Xylene	106	7.059	7.059	(1.036)	478060	97.5485	19.510
M	63 Xylenes (total)	106				704757	144.706	28.941
	64 Xylene-o	106	7.424	7.418	(1.089)	226696	47.1575	9.432
	65 Styrene	104	7.436	7.430	(1.091)	398503	46.6678	9.334
	66 Bromoform	173	7.594	7.594	(1.114)	74269	43.5068	8.701

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128986.D
Report Date: 25-Aug-2004 22:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	7.770	7.770	(1.140)	474449	46.4355	9.287
68 1,1,2,2-Tetrachloroethane	83	8.050	8.044	(0.893)	127363	46.3674	9.273
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	8.945	8.945	(0.993)	240645	48.0526	9.610
81 1,4-Dichlorobenzene	146	9.030	9.030	(1.002)	263120	48.8581	9.772
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	9.389	9.389	(1.042)	238904	48.1897	9.638
84 1,2-Dibromo-3-chloropropane	157	10.143	10.143	(1.126)	23324	44.4743	8.895
85 1,2,4-Trichlorobenzene	180	10.964	10.964	(1.217)	100219	49.3452	9.869
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	3.786	3.786	(0.892)	125090	43.8086	8.762
143 Methyl Acetate	43	2.350	2.350	(0.554)	88764	46.6559	9.331
144 Methylcyclohexane	83	4.698	4.698	(1.108)	111822	50.2223	10.044
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GNRMV1AA **Matrix.....:** WATER
MB Lot-Sample #: A4H240000-295

Prep Date.....: 08/23/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 08/23/04 **Prep Batch #...:** 4237295
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	**3.5 J**	**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 #...: A4H170141 **Work Order #...:** GNRMV1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.78 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	93	(73 - 122)
1,2-Dichloroethane-d4	88	(61 - 128)
Toluene-d8	92	(76 - 110)
4-Bromofluorobenzene	88	(74 - 116)

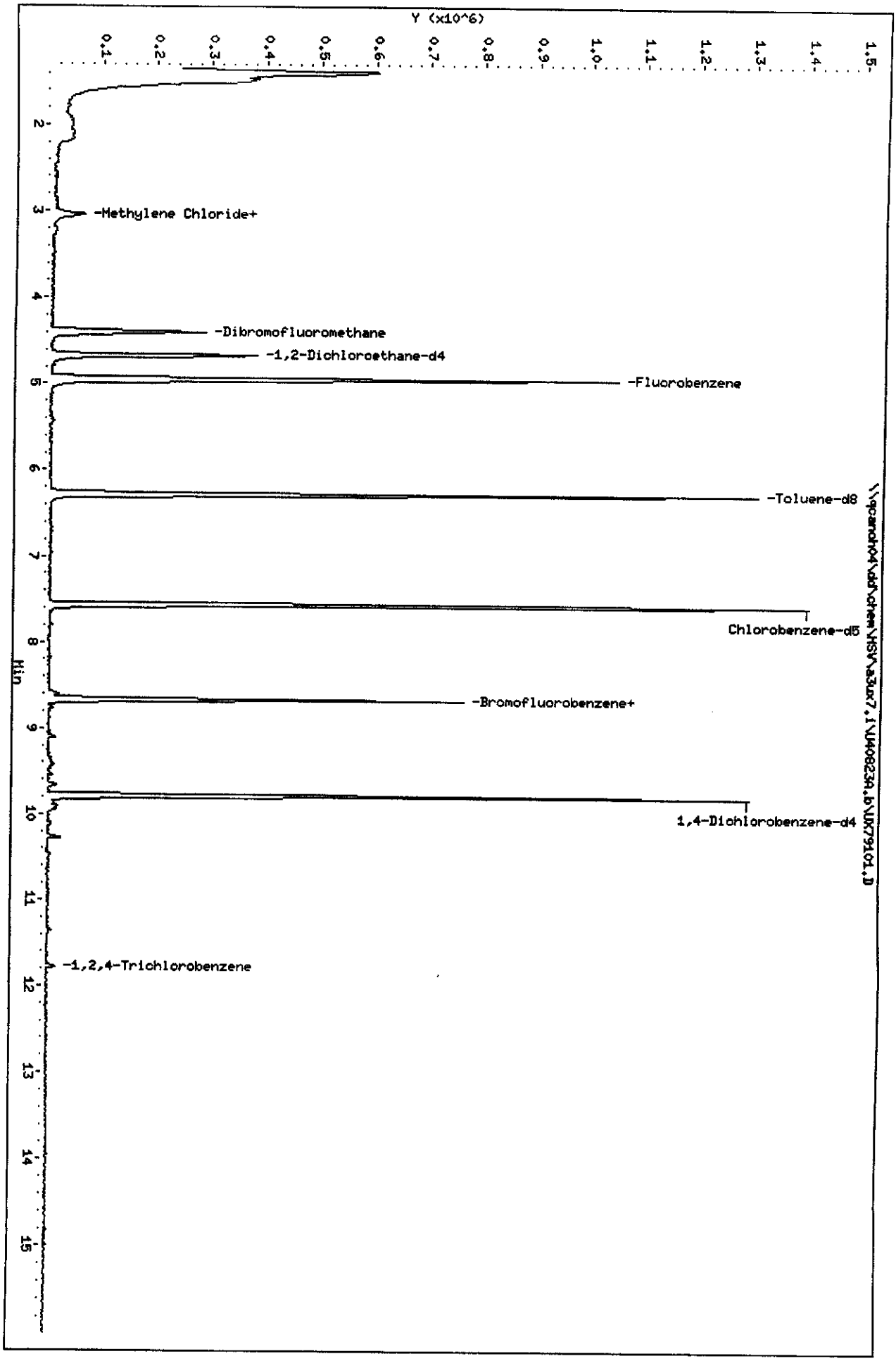
NOTE(S):

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\HSV\a3ux7.i\U408230.b\UX79101.D
Date : 23-AUG-2004 10:22
Client ID: GORMUIAA
Sample Info: VOLBLANK,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79101.D
Report Date: 24-Aug-2004 08:25

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79101.D
Lab Smp Id: VOLBLANK
Inj Date : 23-AUG-2004 10:22
Operator : 1754 Inst ID: a3ux7.i
Smp Info : VOLBLANK,5ML/5ML
Misc Info : U40823A,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\N8260UX7-3.m
Meth Date : 24-Aug-2004 08:18 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV03

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	4.953	4.954	(1.000)	1186387	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.569	(1.000)	825304	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.794	(1.000)	345924	50.0000	
$ 4 Dibromofluoromethane	113	4.397	4.398	(0.888)	244366	46.2728	9.254
$ 5 1,2-Dichloroethane-d4	65	4.669	4.670	(0.943)	348343	44.0607	8.812
$ 6 Toluene-d8	98	6.278	6.279	(0.830)	977536	45.9531	9.191
$ 7 Bromofluorobenzene	95	8.668	8.669	(1.145)	297945	43.9255	8.785
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\U40823A.b\UX79101.D
Report Date: 24-Aug-2004 08:25

	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	3.048	3.037	(0.615)	49569	3.89127	0.7782
	22 Acetonitrile	41	2.929	2.919	(0.591)	13759	17.3305	3.466
	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\U40823A.b\UX79101.D
Report Date: 24-Aug-2004 08:25

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	11.780	11.781	(1.203)	6451	1.59347	0.3187
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	8.609	8.596	(0.879)	13887	15.6056	3.121
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\U40823A.b\UX79101.D

Date : 23-AUG-2004 10:22

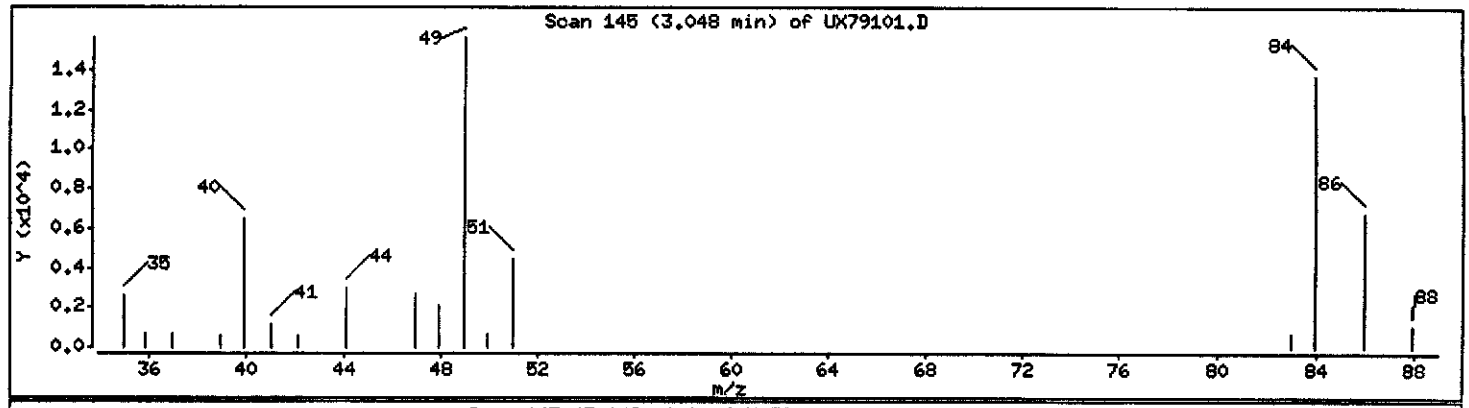
Client ID: | Instrument: a3ux7.i

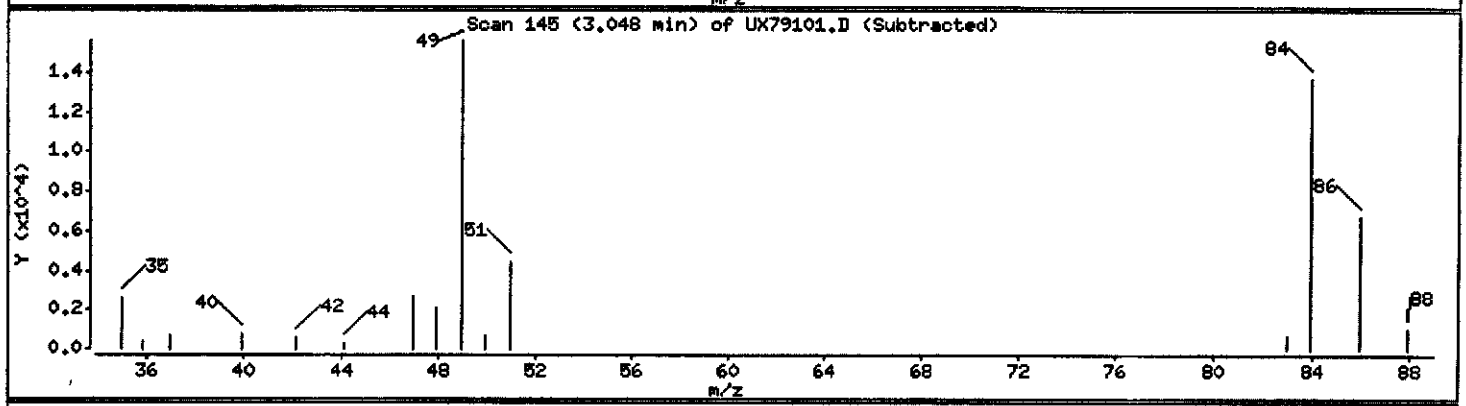
Sample Info: VOLBLANK,5ML/5ML

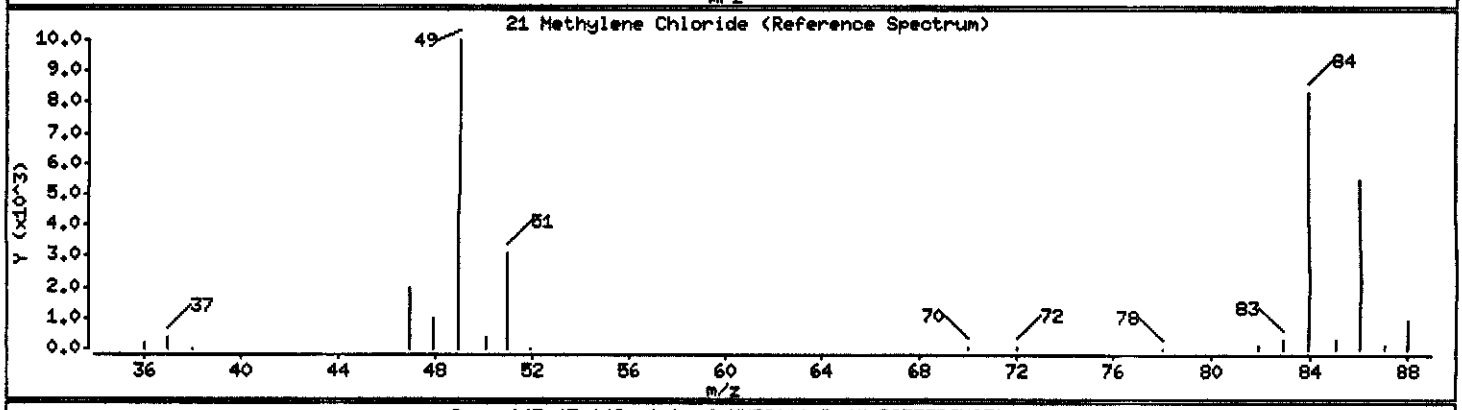
Purge Volume: 5.0 | Operator: 1754

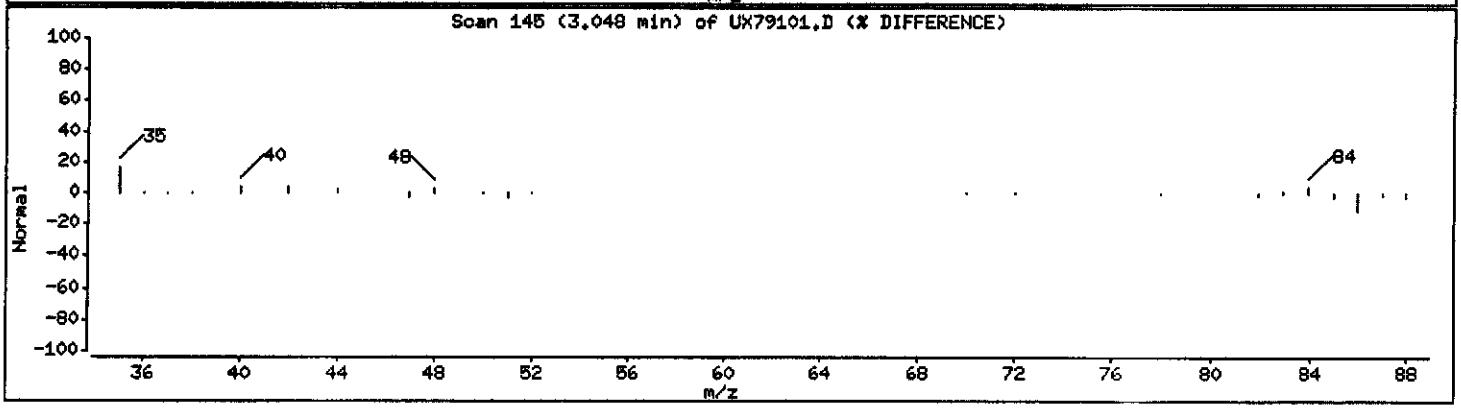
Column phase: DB624 20m | Column diameter: 0.18

21 Methylene Chloride | Concentration: 0.7782 ug/L









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Date : 23-AUG-2004 10:22

Client ID:

Instrument: a3ux7.i

Sample Info: VOLBLANK,5ML/5ML

Purge Volume: 5.0

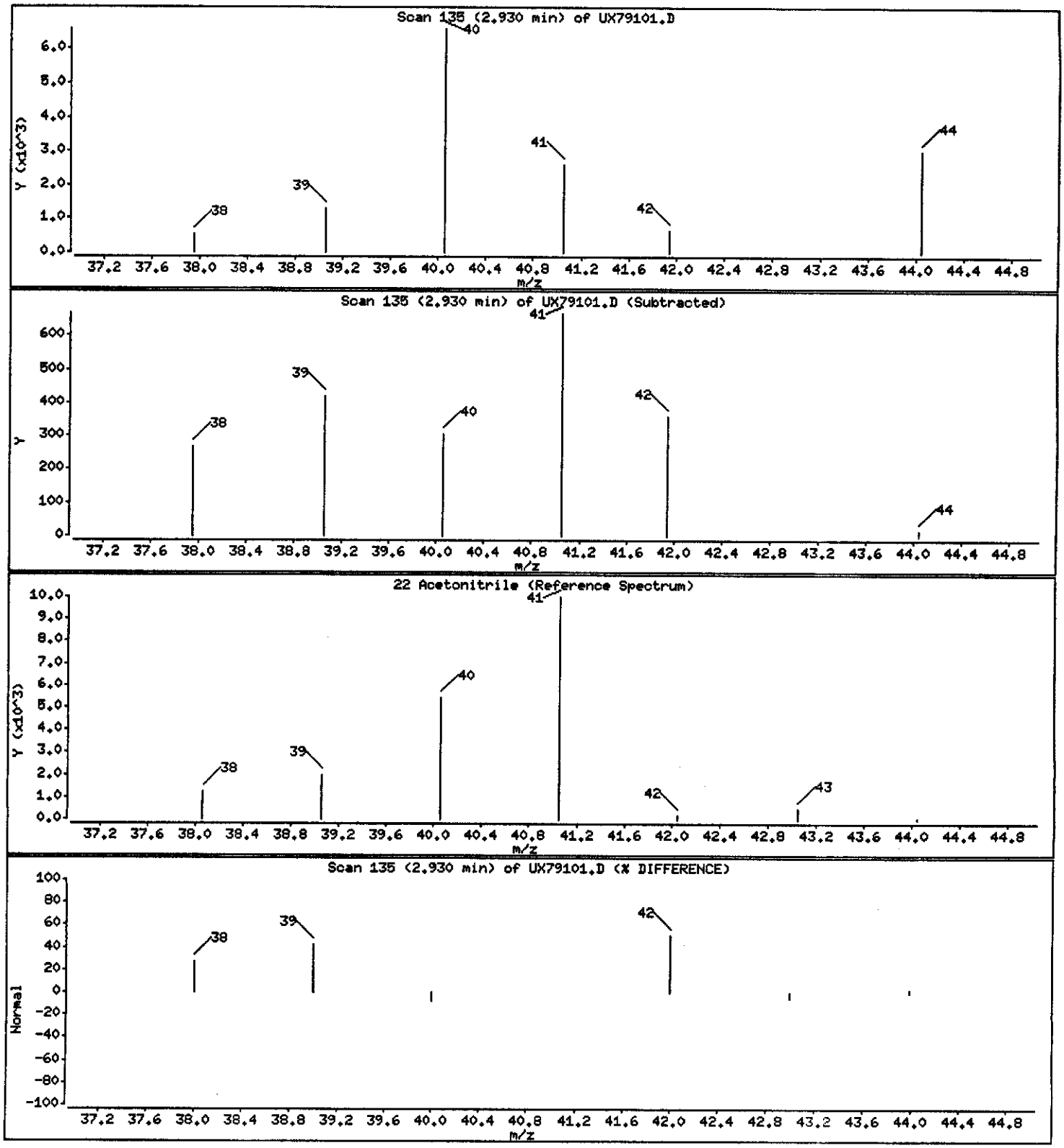
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

22 Acetonitrile

Concentration: 3.466 ug/L



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Date : 23-AUG-2004 10:22

Client ID:

Instrument: a3ux7.i

Sample Info: VOLBLANK,5ML/5ML

Purge Volume: 5.0

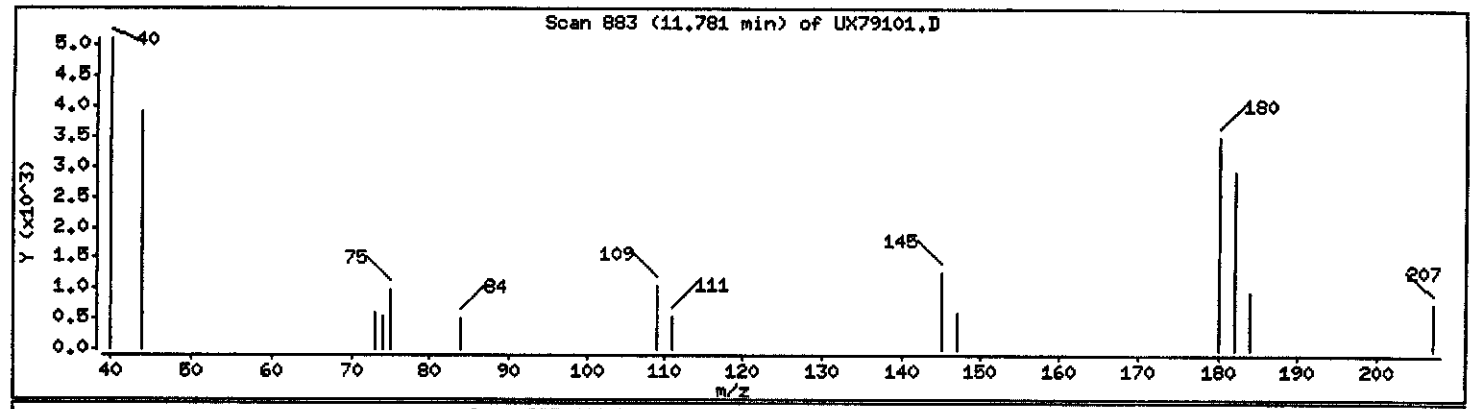
Operator: 1754

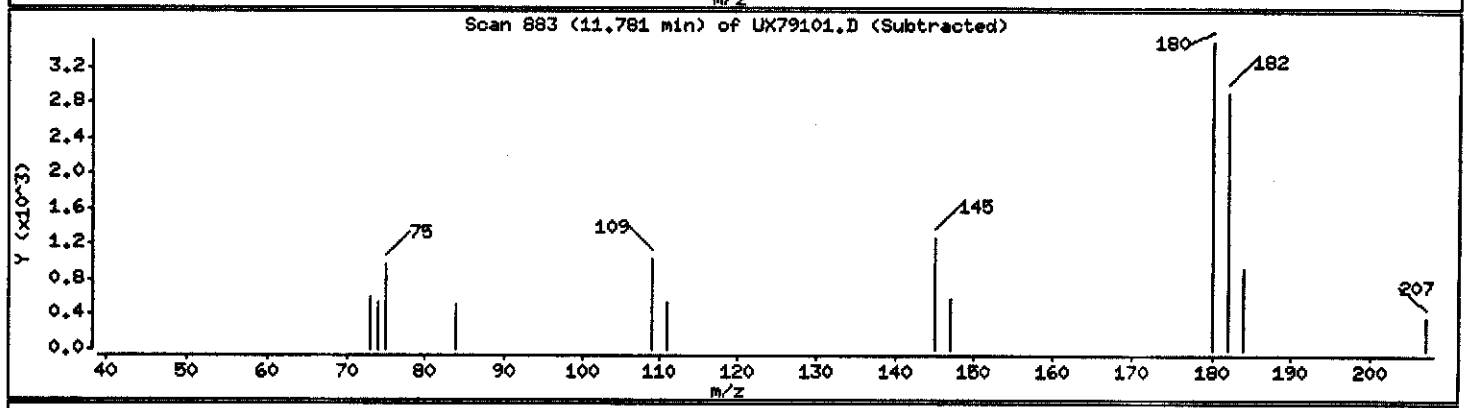
Column phase: DB624 20m

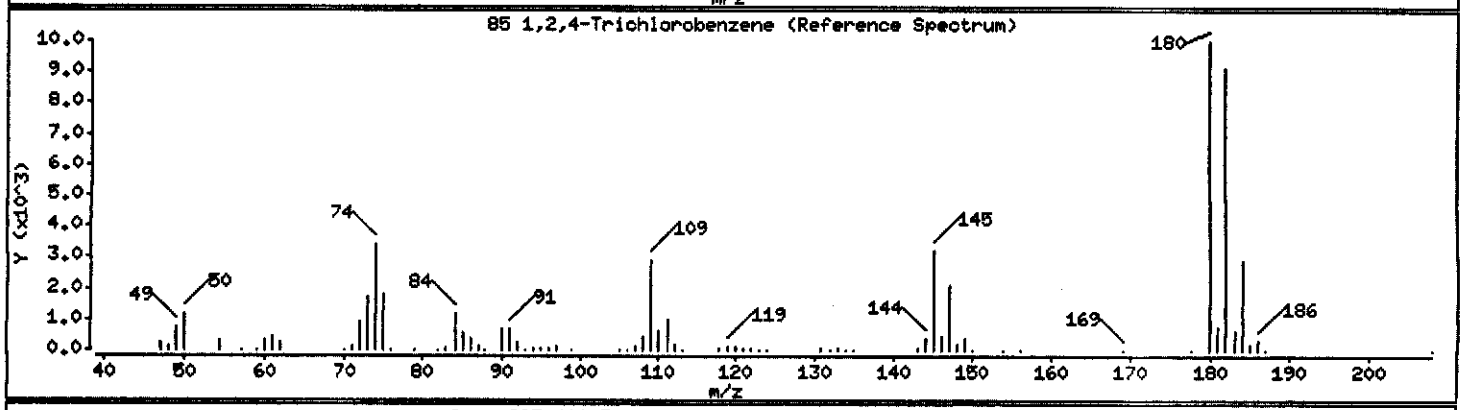
Column diameter: 0.18

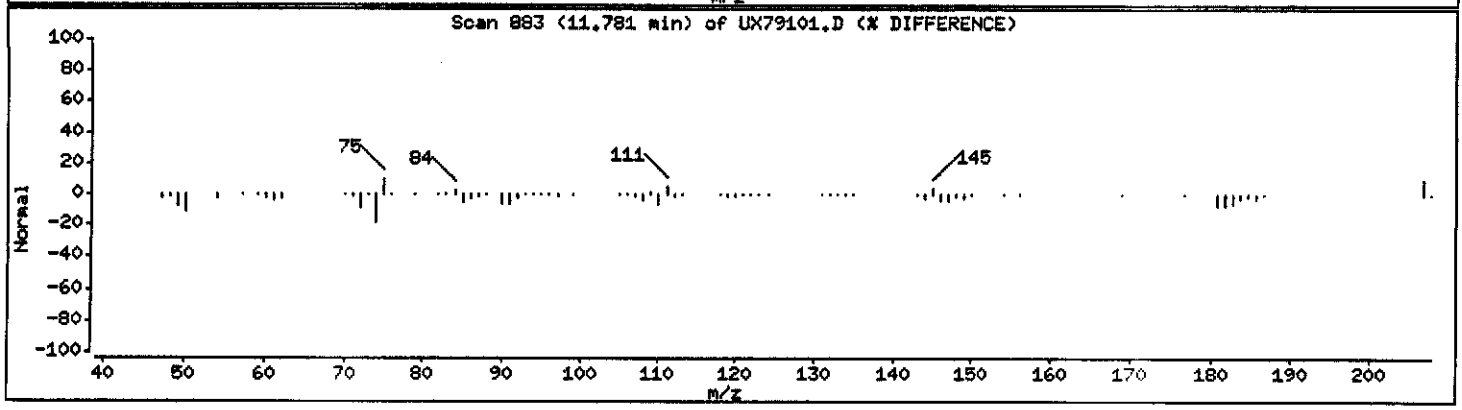
85 1,2,4-Trichlorobenzene

Concentration: 0.3187 ug/L









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Date : 23-AUG-2004 10:22

Client ID:

Instrument: a3ux7.i

Sample Info: VOLBLANK,5ML/5ML

Purge Volume: 5.0

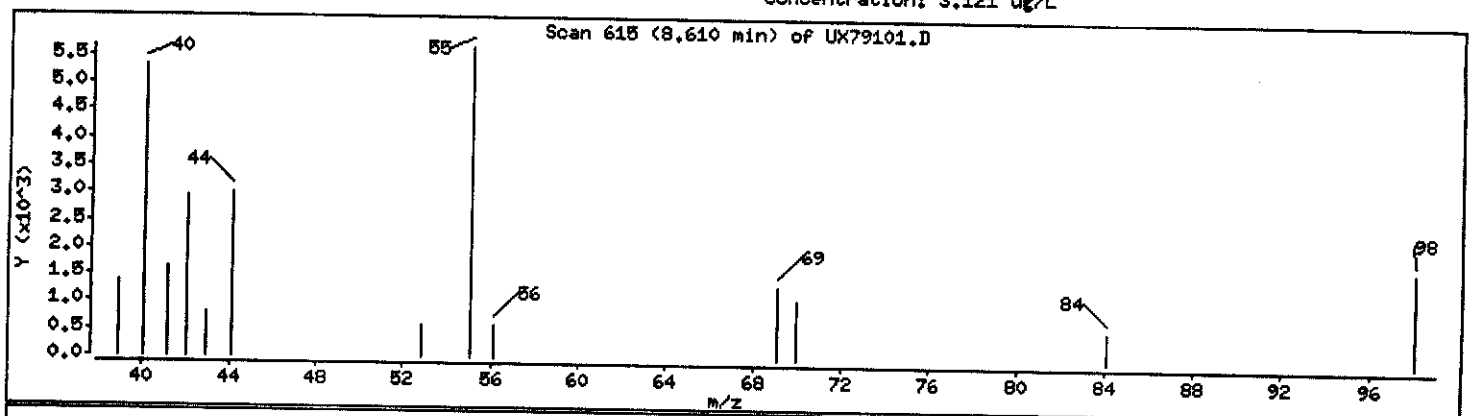
Operator: 1754

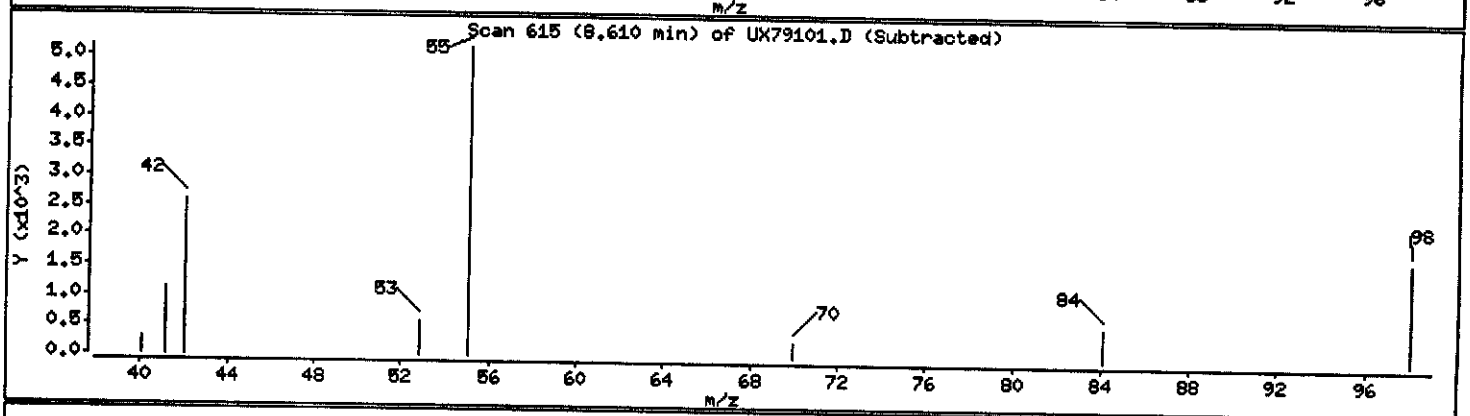
Column phase: DB624 20m

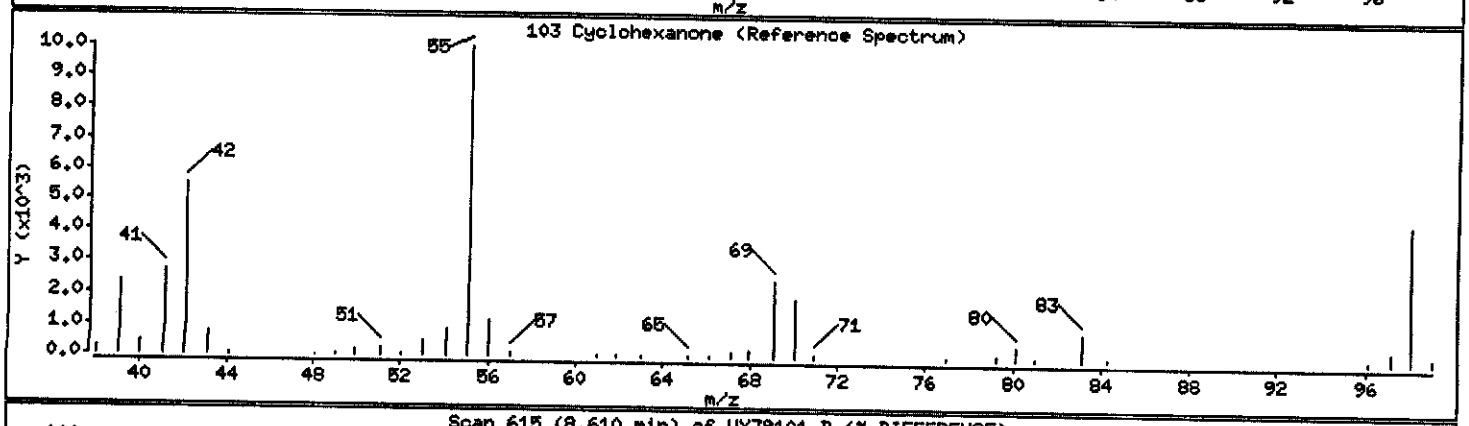
Column diameter: 0.18

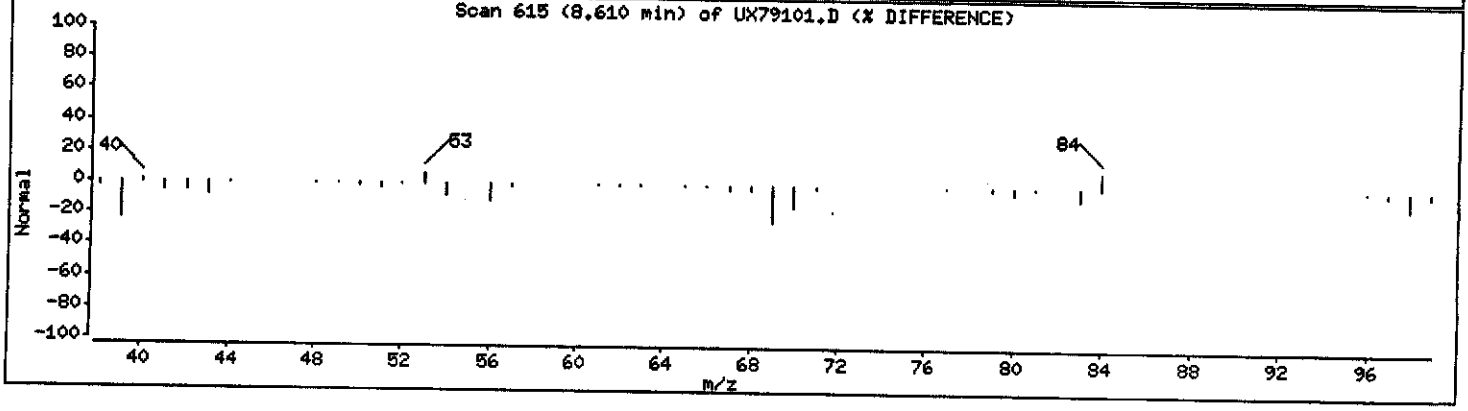
103 Cyclohexanone

Concentration: 3.121 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79101.D
Report Date: 24-Aug-2004 08:25

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\UX79101.D
Lab Smp Id: VOLBLANK
Inj Date : 23-AUG-2004 10:22
Operator : 1754 Inst ID: a3ux7.i
Smp Info : VOLBLANK,5ML/5ML
Misc Info : U40823A,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40823A.b\N8260UX7-3.m
Meth Date : 24-Aug-2004 08:18 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV03

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GNXQQ1AA **Matrix.....:** WATER
MB Lot-Sample #: A4H250000-597

Prep Date.....: 08/24/04 **Final Wgt/Vol..:** 5 mL

Analysis Date..: 08/24/04 **Prep Batch #...:** 4238597
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	**0.52 J**	**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 #...: A4H170141 **Work Order #...:** GNXQQ1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**2.4**	**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	**0.27 J**	**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	102	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

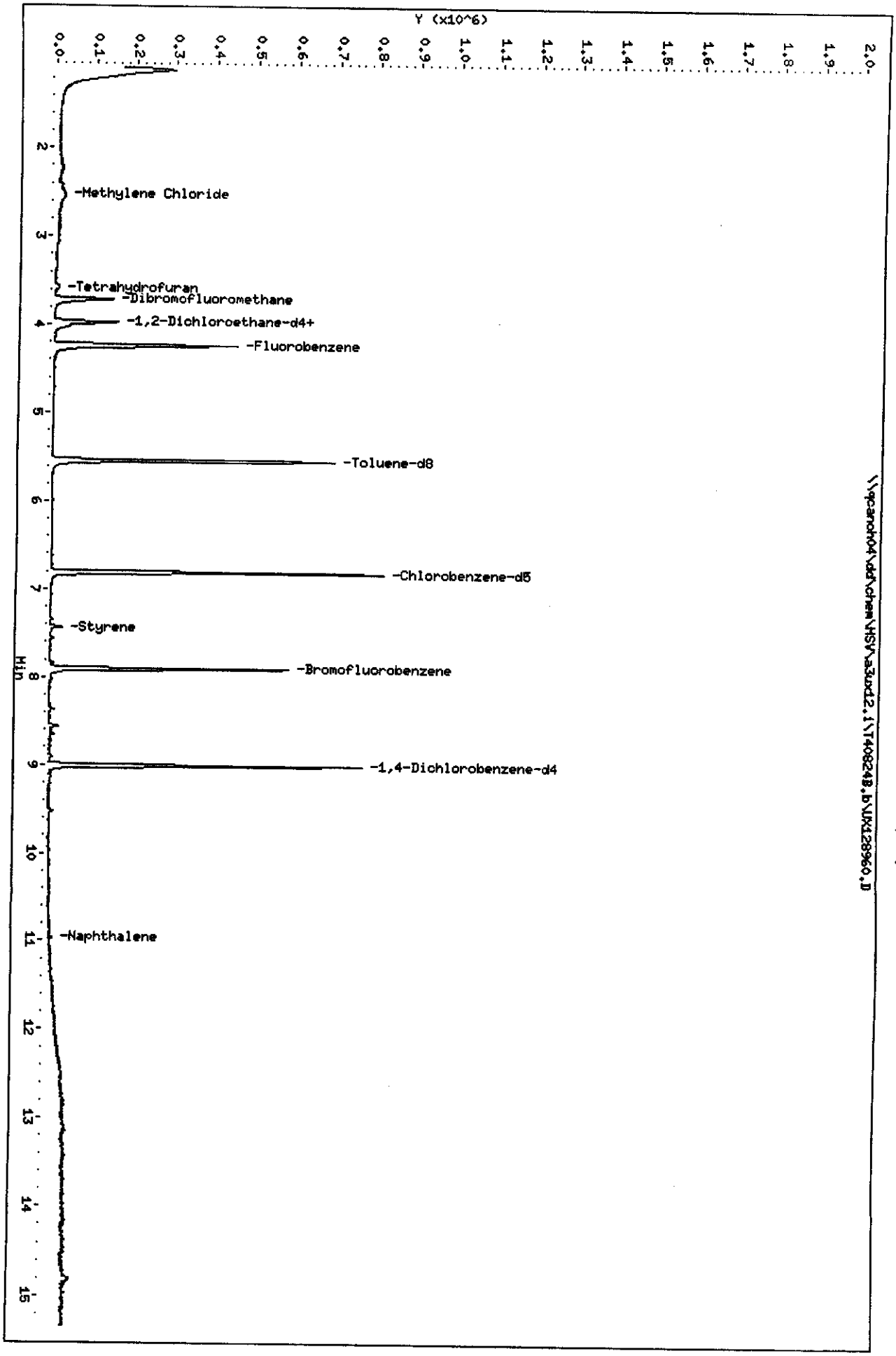
NOTE(S):

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\HSV\a3uxd2.i\T408248.b\UX128960.D
Date : 24-AUG-2004 23:12
Client ID: GNXQQ1AA
Sample Info: BLANK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3uxd2.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128960.D
Report Date: 25-Aug-2004 18:25

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128960.D
Lab Smp Id: BLANK
Inj Date : 24-AUG-2004 23:12
Operator : 1903 Inst ID: a3ux12.i
Smp Info : BLANK
Misc Info : T40824B,8260LLUX12,,1903,3,,BLANK,,0
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 25-Aug-2004 18:24 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

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	4.242	4.242	(1.000)	517148	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	476935	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.011	9.011	(1.000)	208445	50.0000	
$ 4 Dibromofluoromethane	113	3.713	3.713	(0.875)	111408	51.2121	10.242
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	139593	50.9619	10.192
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	497403	50.6148	10.123
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	193847	47.0891	9.418
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\a3ux12.i\T40824B.b\UX128960.D
Report Date: 25-Aug-2004 18:25

	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	2.520	2.526	(0.594)	35747	12.1195	2.424
	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	57	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	3.579	3.567	(0.844)	8910	8.25409	1.651
	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	4.029	4.023	(0.950)	29816	2.59783	0.5196
	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	7.430	7.436	(1.090)	13446	1.34789	0.2696
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128960.D
Report Date: 25-Aug-2004 18:25

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
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	11.195	11.195	(1.242)	2639	4.49970	0.8999
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\a3ux12.i\T40824B.b\UX128960.D

Date : 24-AUG-2004 23:12

Client ID:

Instrument: a3ux12.i

Sample Info: BLANK

Purge Volume: 5.0

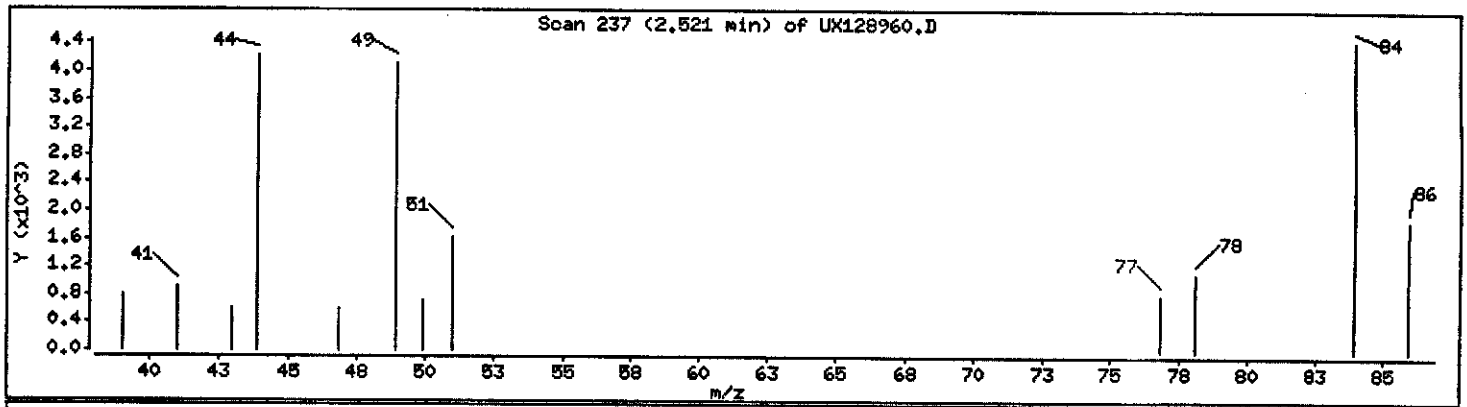
Operator: 1903

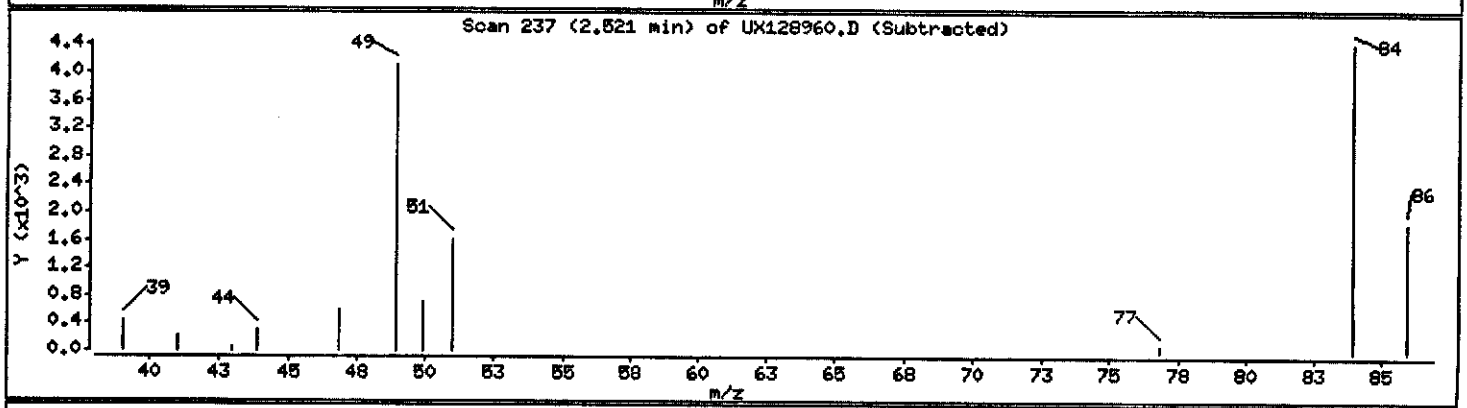
Column phase: DB624

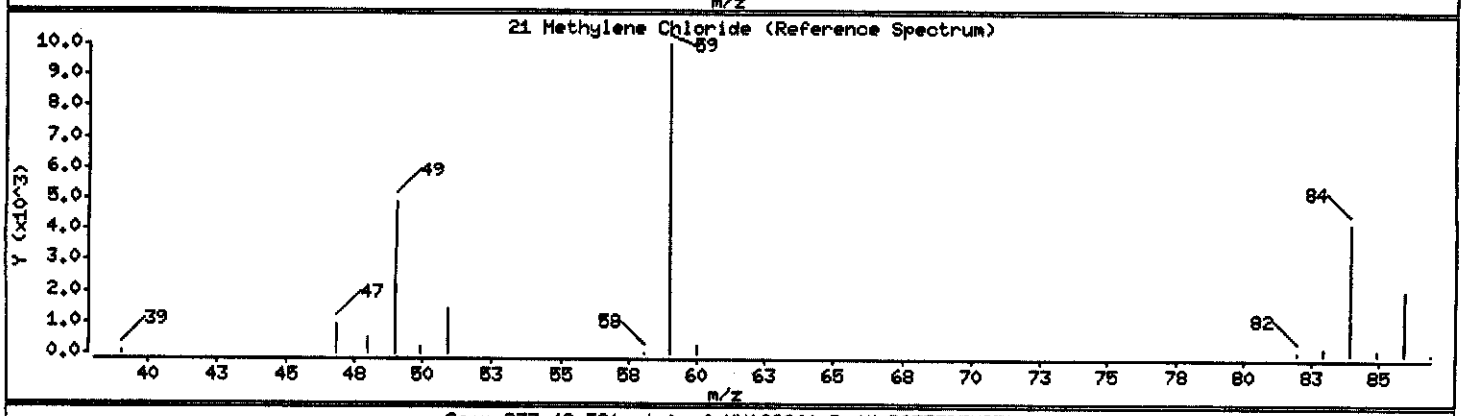
Column diameter: 0.18

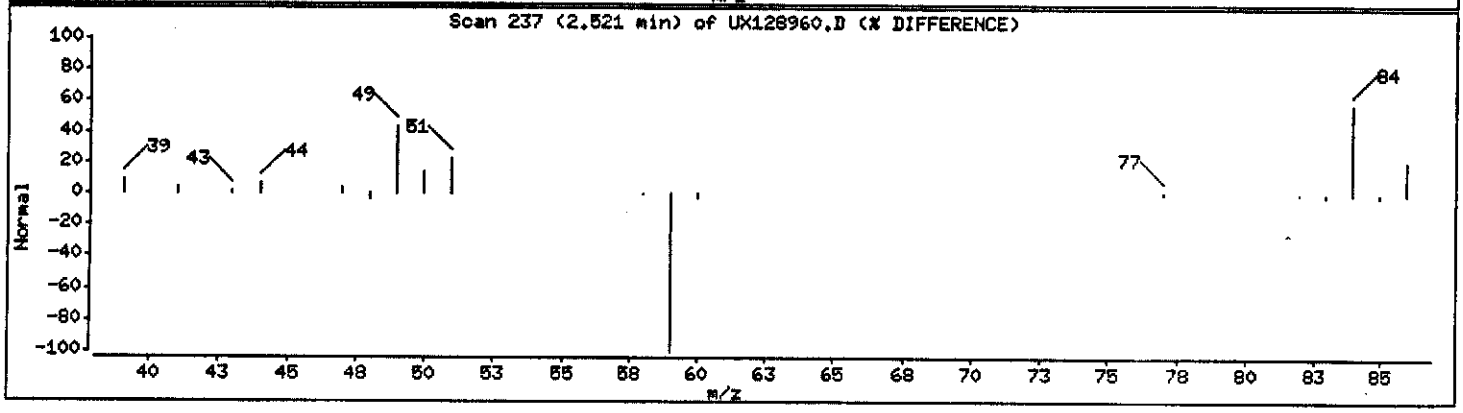
21 Methylene Chloride

Concentration: 2.424 ug/L









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Date : 24-AUG-2004 23:12

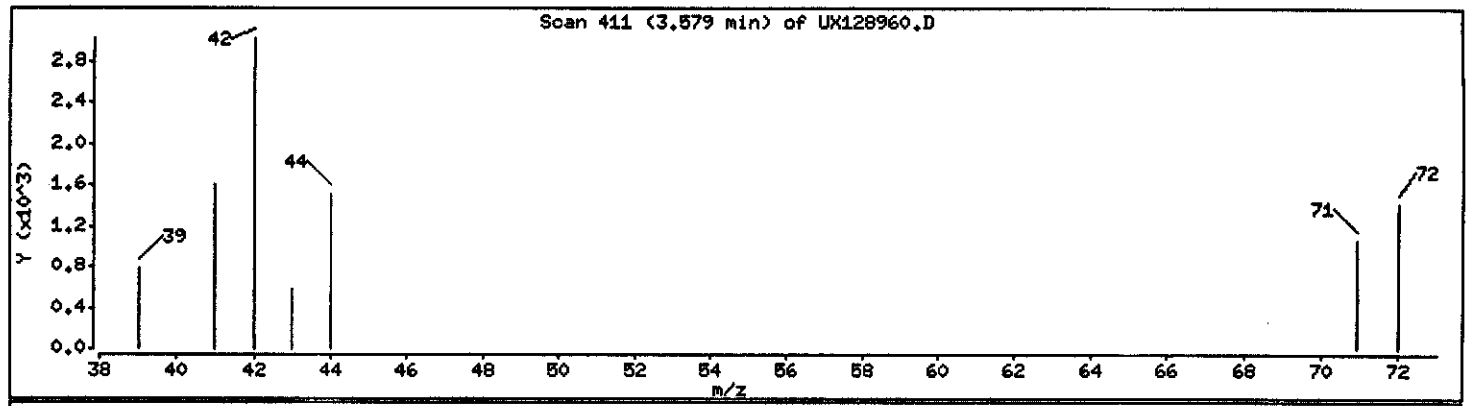
Client ID: Instrument: a3ux12.i

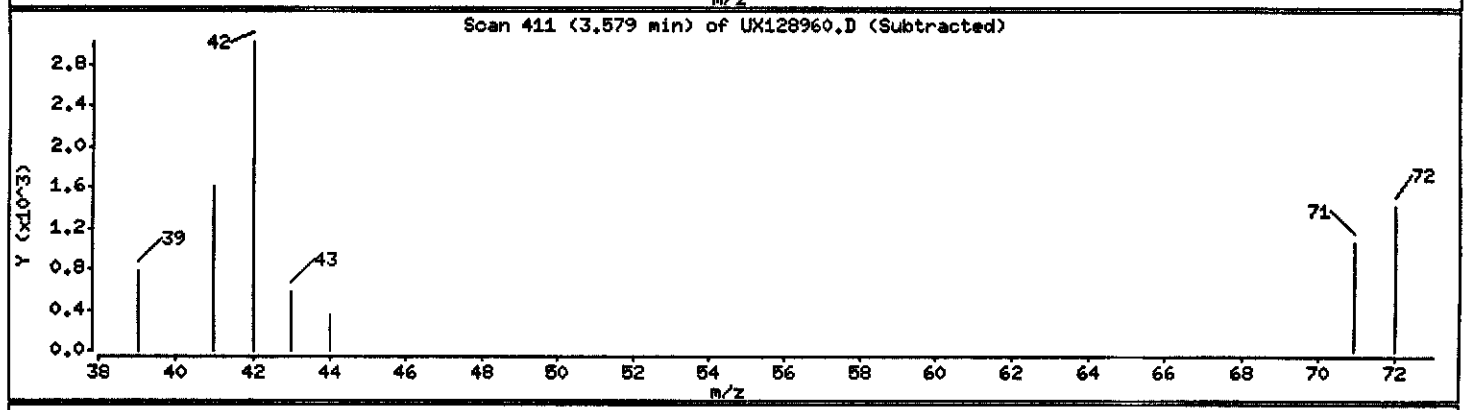
Sample Info: BLANK

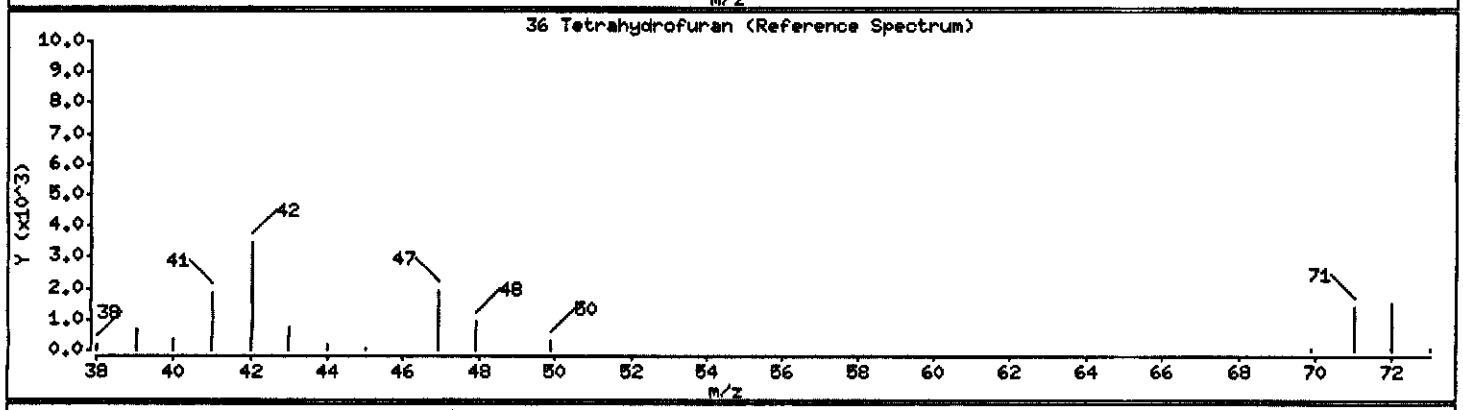
Purge Volume: 5.0 Operator: 1903

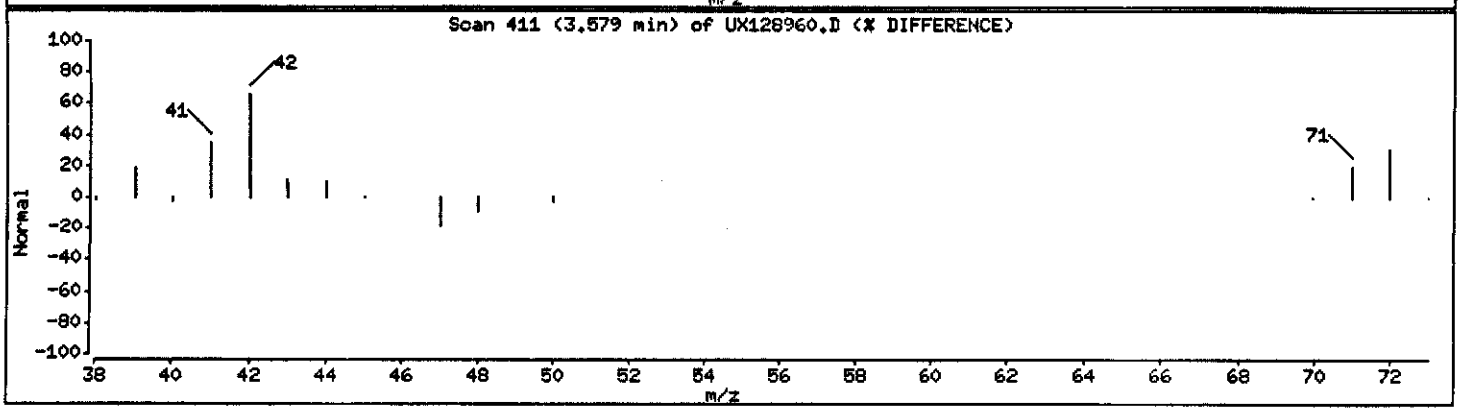
Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 1.651 ug/L









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Date : 24-AUG-2004 23:12

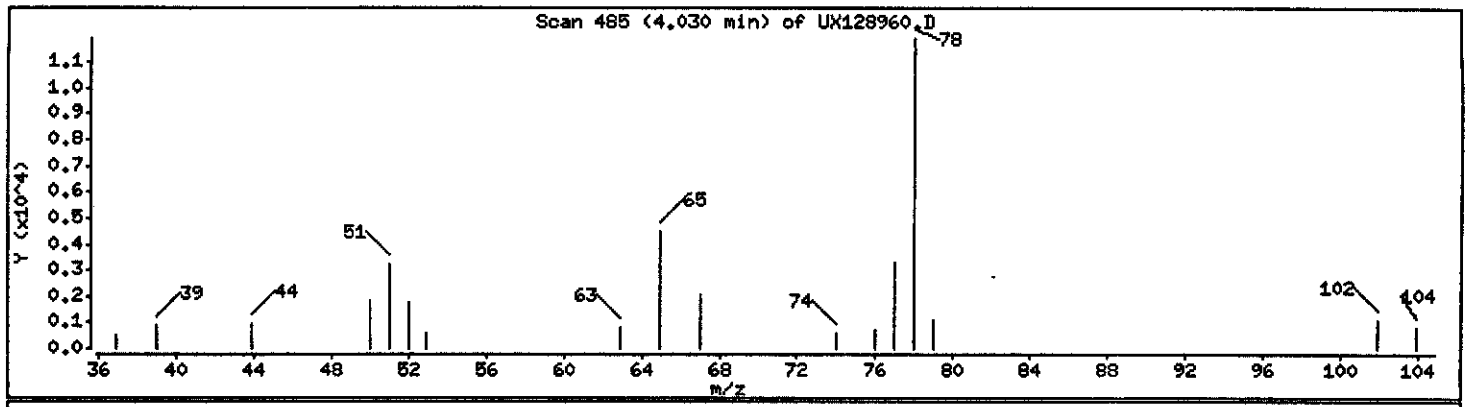
Client ID: | Instrument: a3ux12.i

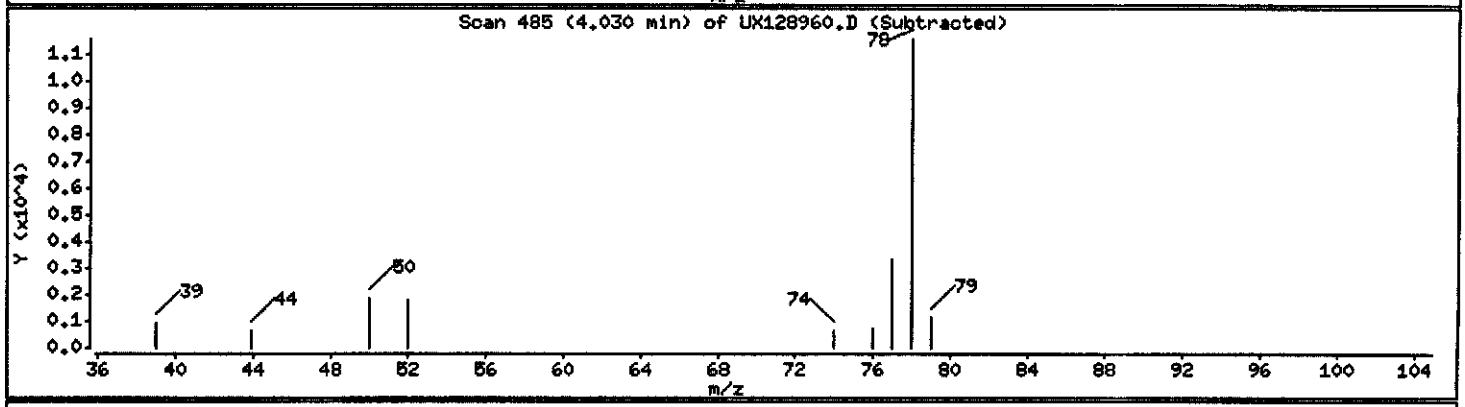
Sample Info: BLANK

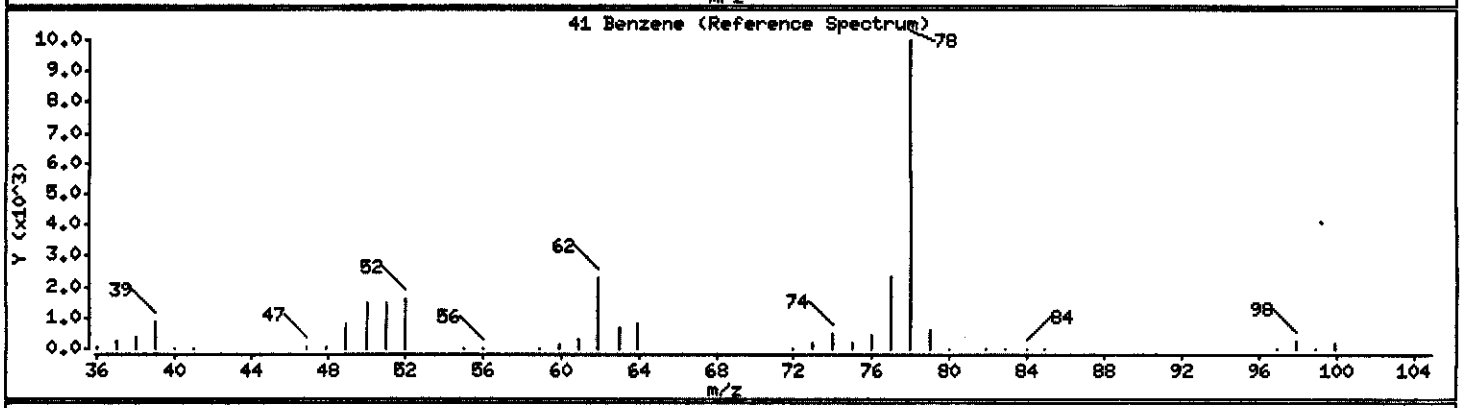
Purge Volume: 5.0 | Operator: 1903

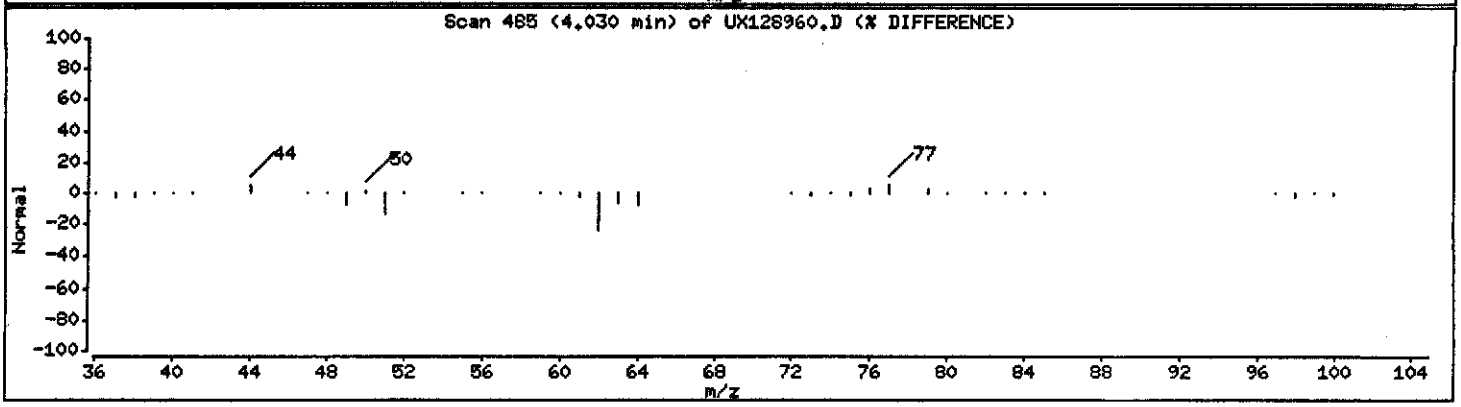
Column phase: DB624 | Column diameter: 0.18

41 Benzene | Concentration: 0.5196 ug/L









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Date : 24-AUG-2004 23:12

Client ID:

Instrument: a3ux12.i

Sample Info: BLANK

Purge Volume: 5.0

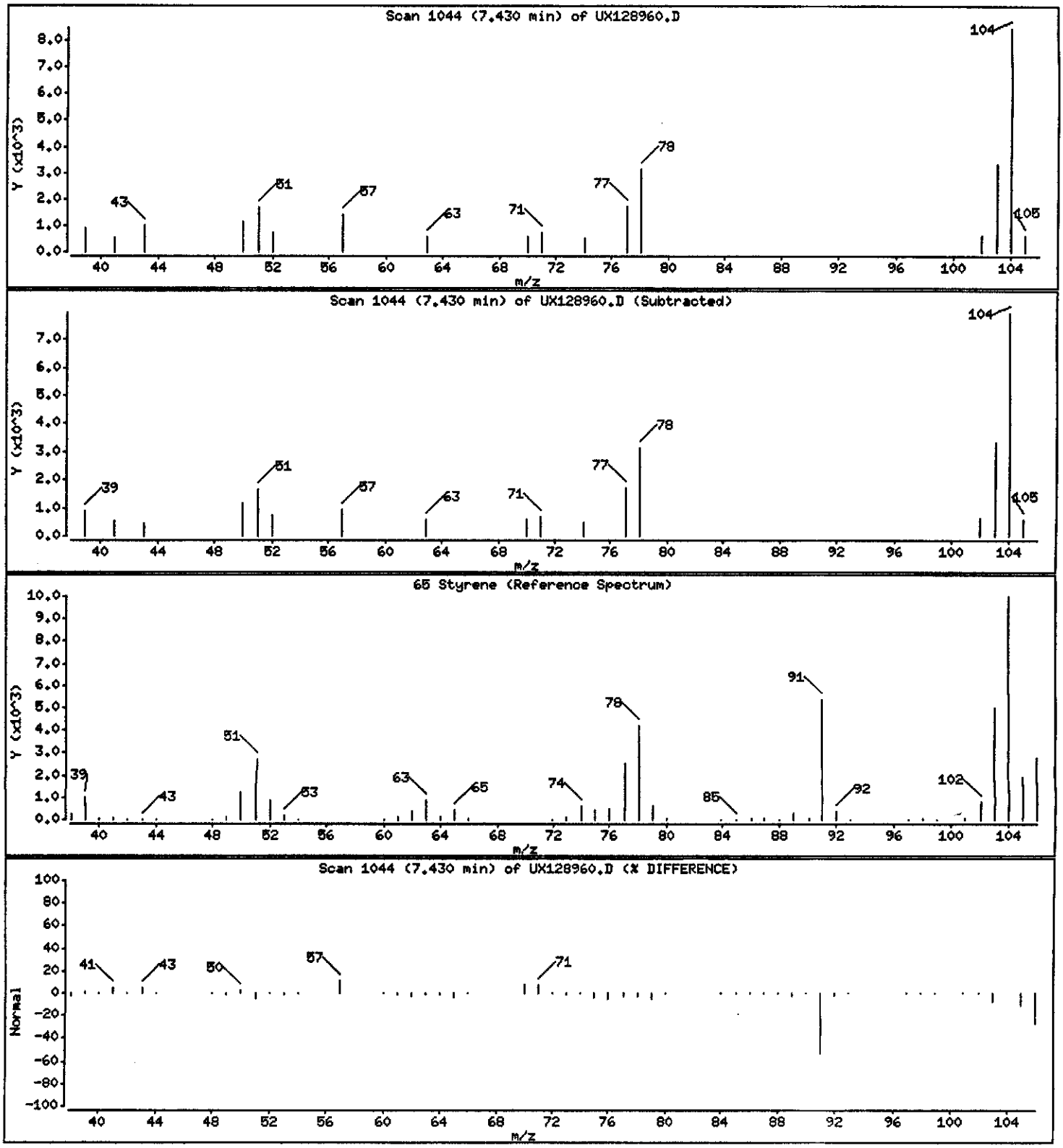
Operator: 1903

Column phase: DB624

Column diameter: 0.18

65 Styrene

Concentration: 0.2696 ug/L



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Date : 24-AUG-2004 23:12

Client ID:

Instrument: a3ux12.i

Sample Info: BLANK

Purge Volume: 5.0

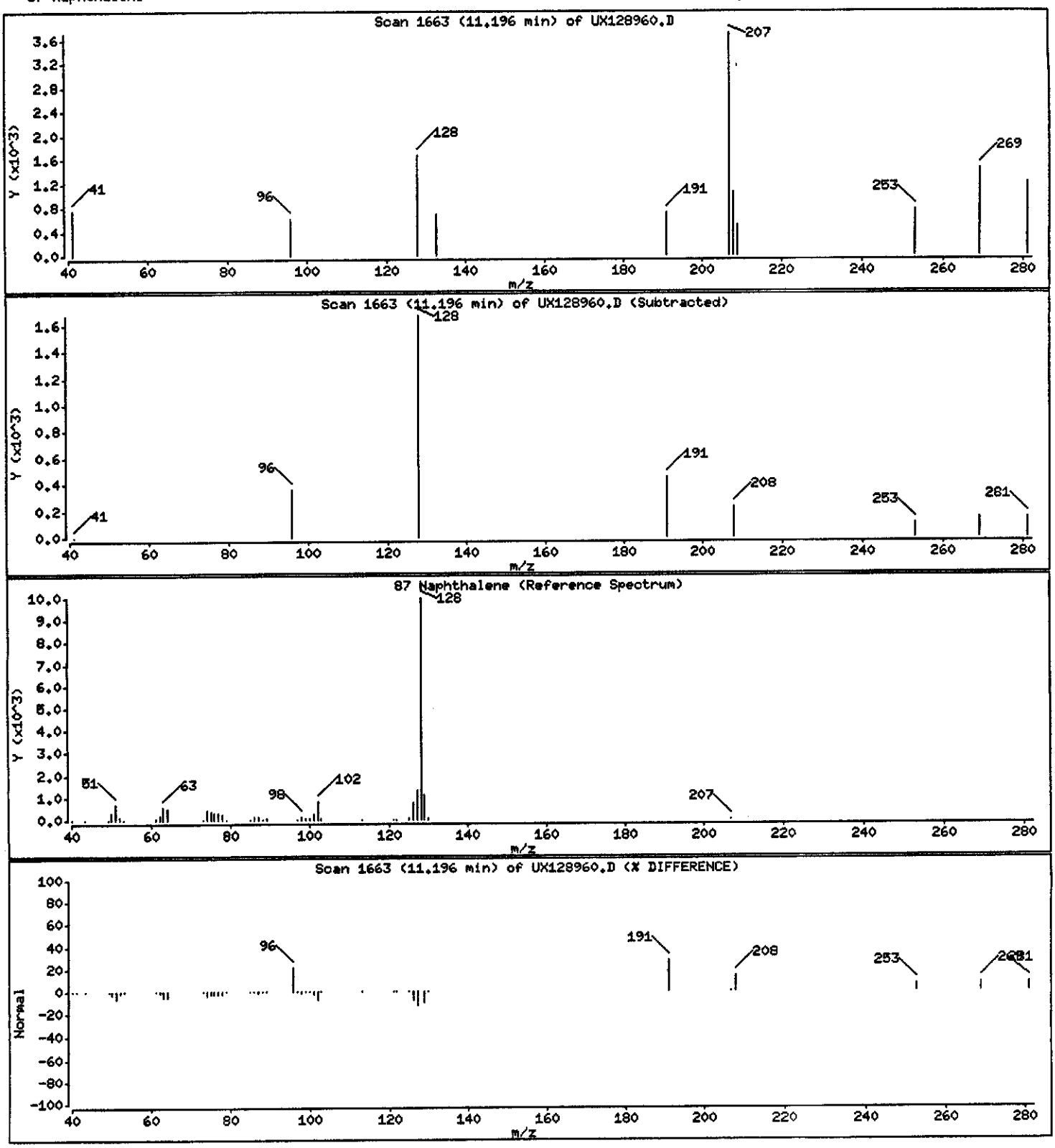
Operator: 1903

Column phase: DB624

Column diameter: 0.18

87 Naphthalene

Concentration: 0.8999 ug/L



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Report Date: 25-Aug-2004 18:25

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128960.D
Lab Smp Id: BLANK
Inj Date : 24-AUG-2004 23:12
Operator : 1903 Inst ID: a3ux12.i
Smp Info : BLANK
Misc Info : T40824B,8260LLUX12,,1903,3,,BLANK,,0
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 25-Aug-2004 18:24 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4H170141
MB Lot-Sample #: A4H270000-553

Analysis Date..: 08/25/04
Dilution Factor: 1

Work Order #...: GN5NR1AA

Prep Date.....: 08/25/04
Prep Batch #...: 4240553
Initial Wgt/Vol: 5 mL

Matrix.....: WATER

Final 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	**0.42 J**	**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 #...: A4H170141 **Work Order #...:** GN5NR1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.46 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	**0.19 J**	**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	107	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	104	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

NOTE(S):

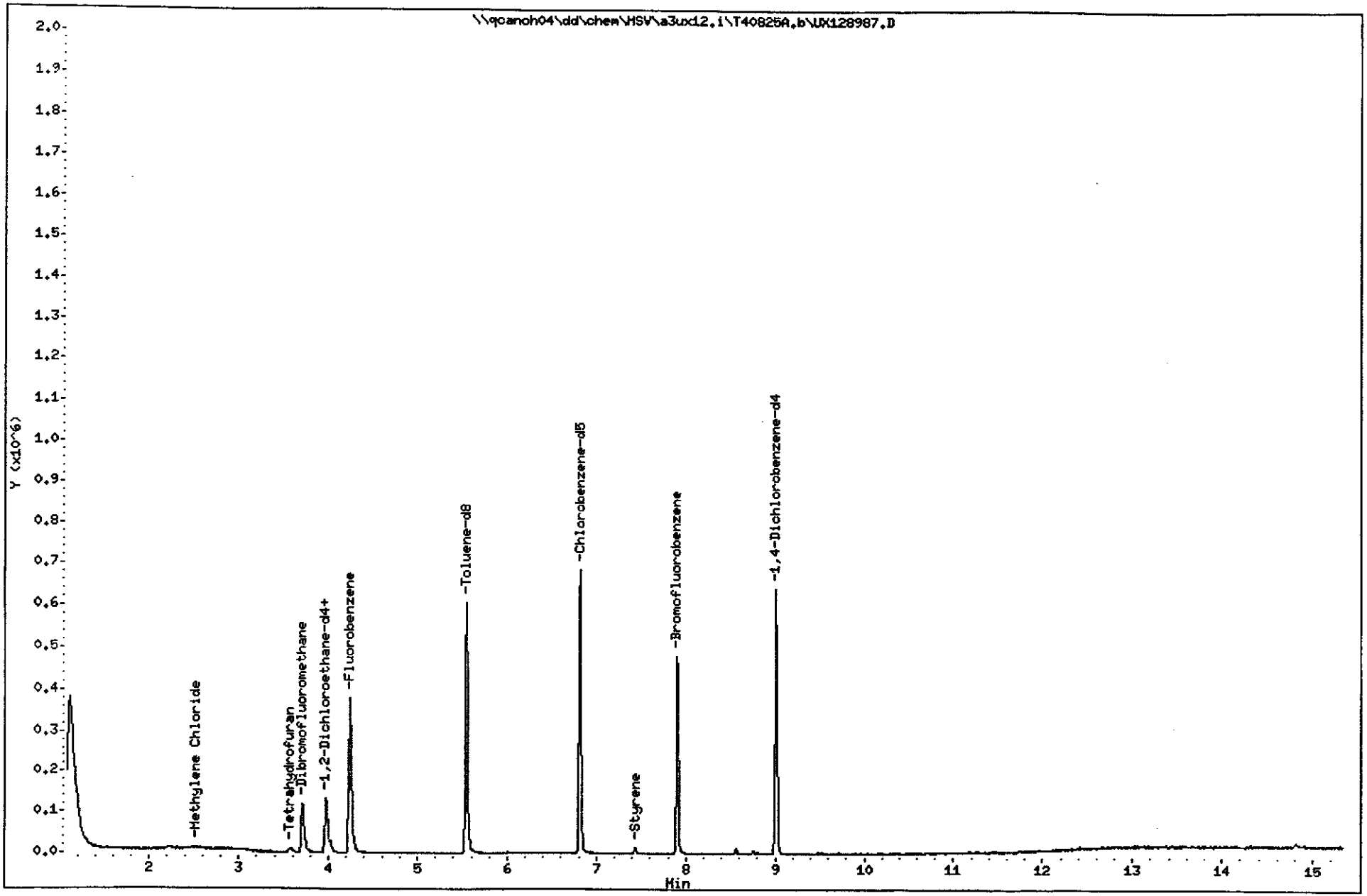
Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128987.D
Date : 25-AUG-2004 17:58
Client ID: GN5NR1AA
Sample Info: BLANK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux12.i

Operator: 1903
Column diameter: 0.18



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Report Date: 27-Aug-2004 20:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128987.D
Lab Smp Id: gn5nr1aa
Inj Date : 25-AUG-2004 17:58
Operator : 1903 Inst ID: a3ux12.i
Smp Info : BLANK
Misc Info : T40825A,8260LLUX12,,1903,3,,BLANK,,0
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40825A.b\8260LLUX12.m
Meth Date : 25-Aug-2004 17:07 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

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	4.242	4.242	(1.000)	419304	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	395825	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.012	9.012	(1.000)	176518	50.0000	
$ 4 Dibromofluoromethane	113	3.713	3.713	(0.875)	94436	53.5401	10.708
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	115460	51.9876	10.398
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	422777	51.8366	10.367
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	160306	46.9210	9.384
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\a3ux12.i\T40825A.b\UX128987.D
Report Date: 27-Aug-2004 20:28

	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	2.539	2.526	(0.598)	5542	2.31738	0.4635
	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	57	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	3.579	3.573	(0.844)	7925	9.25054	1.850
	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	4.023	4.023	(0.948)	19470	2.09224	0.4184
	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	7.436	7.430	(1.091)	7782	0.93996	0.1880
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128987.D
Report Date: 27-Aug-2004 20:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
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: \\qcanch04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128987.D

Date : 25-AUG-2004 17:58

Client ID:

Instrument: a3ux12.i

Sample Info: BLANK

Purge Volume: 5.0

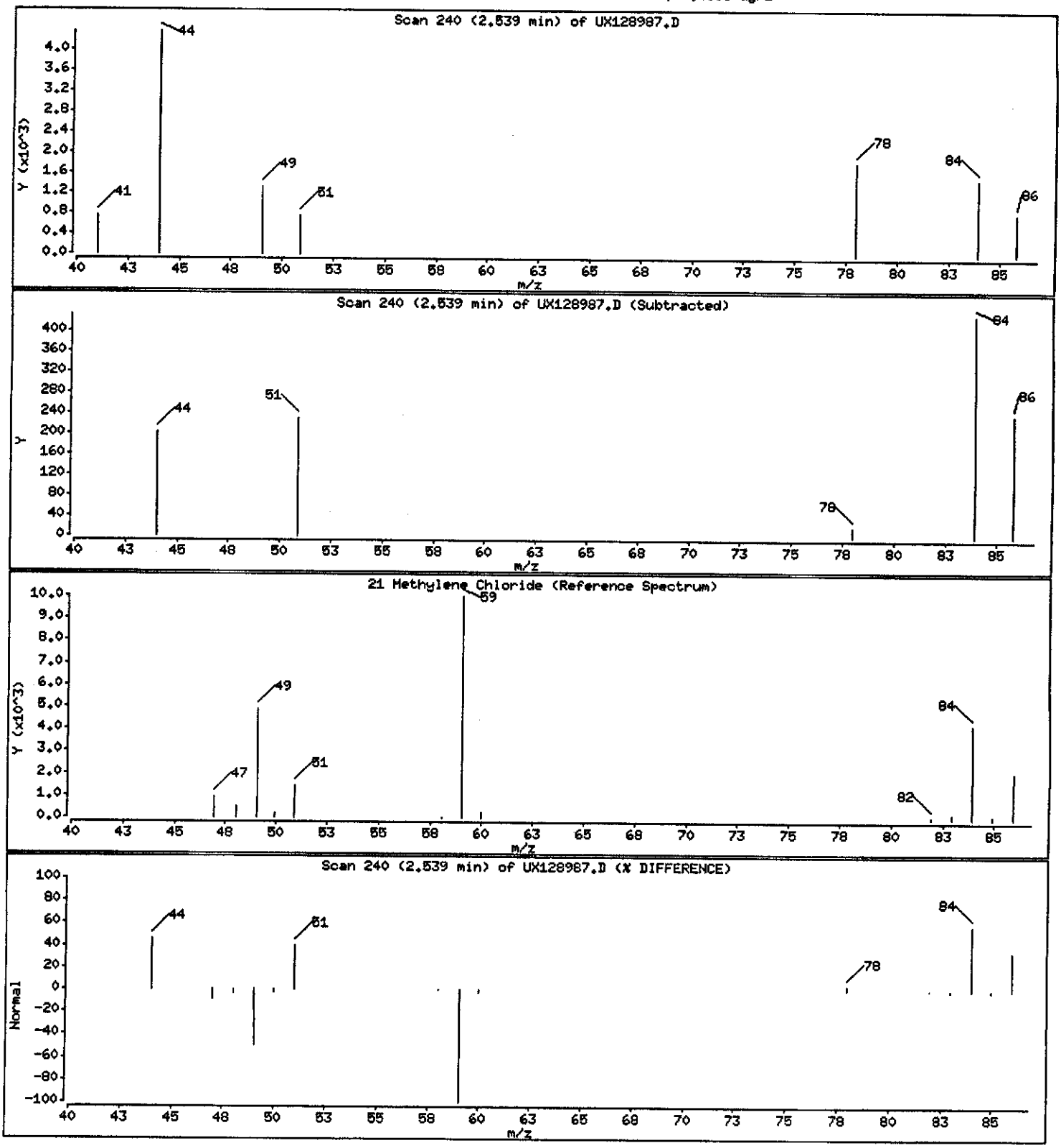
Operator: 1903

Column phase: DB624

Column diameter: 0.18

21 Methylene Chloride

Concentration: 0.4635 ug/L



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Date : 25-AUG-2004 17:58

Client ID:

Instrument: a3ux12.i

Sample Info: BLANK

Purge Volume: 5.0

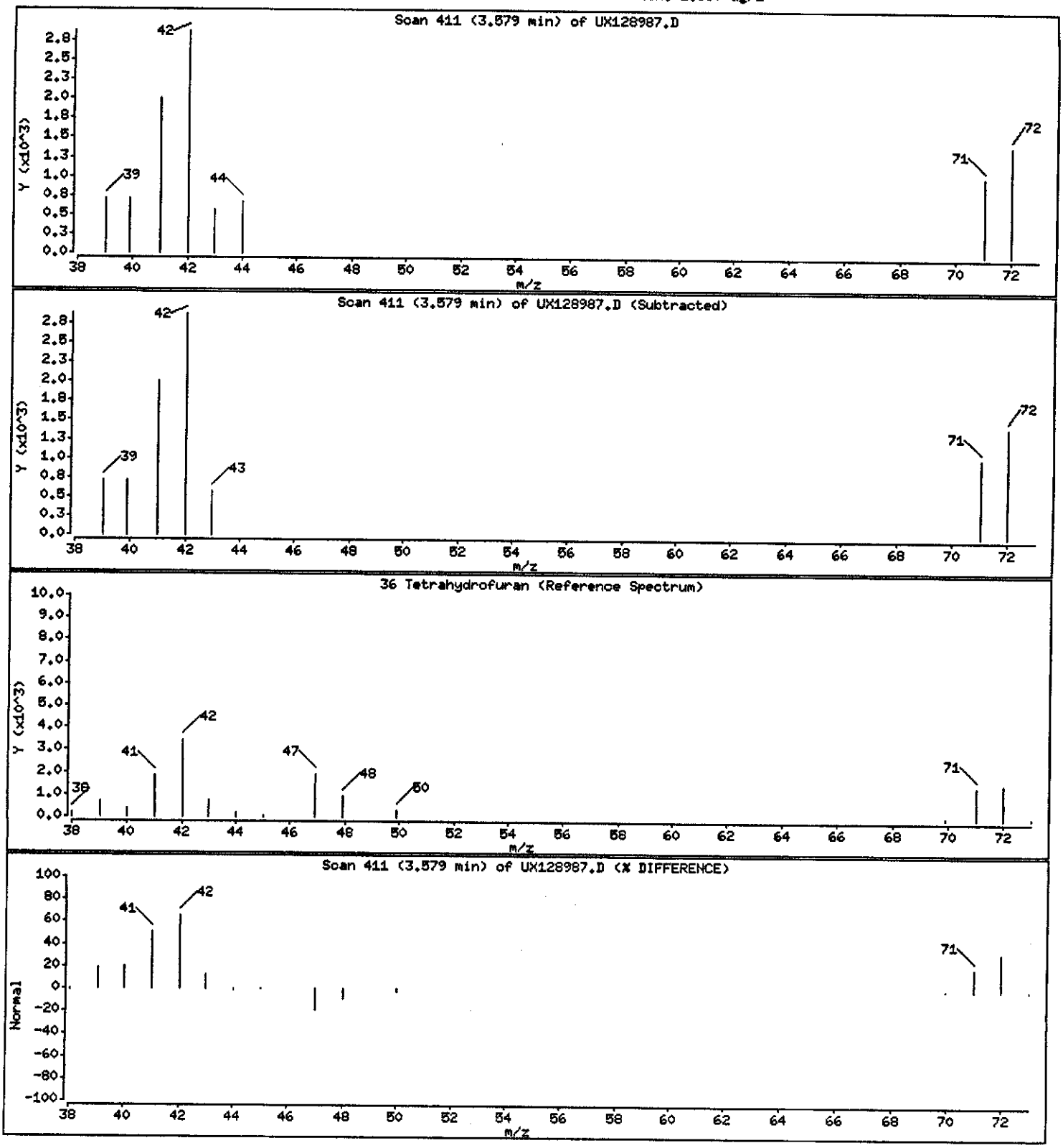
Operator: 1903

Column phase: DB624

Column diameter: 0.18

36 Tetrahydrofuran

Concentration: 1.850 ug/L



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Date : 25-AUG-2004 17:58

Client ID:

Instrument: a3ux12.i

Sample Info: BLANK

Purge Volume: 5.0

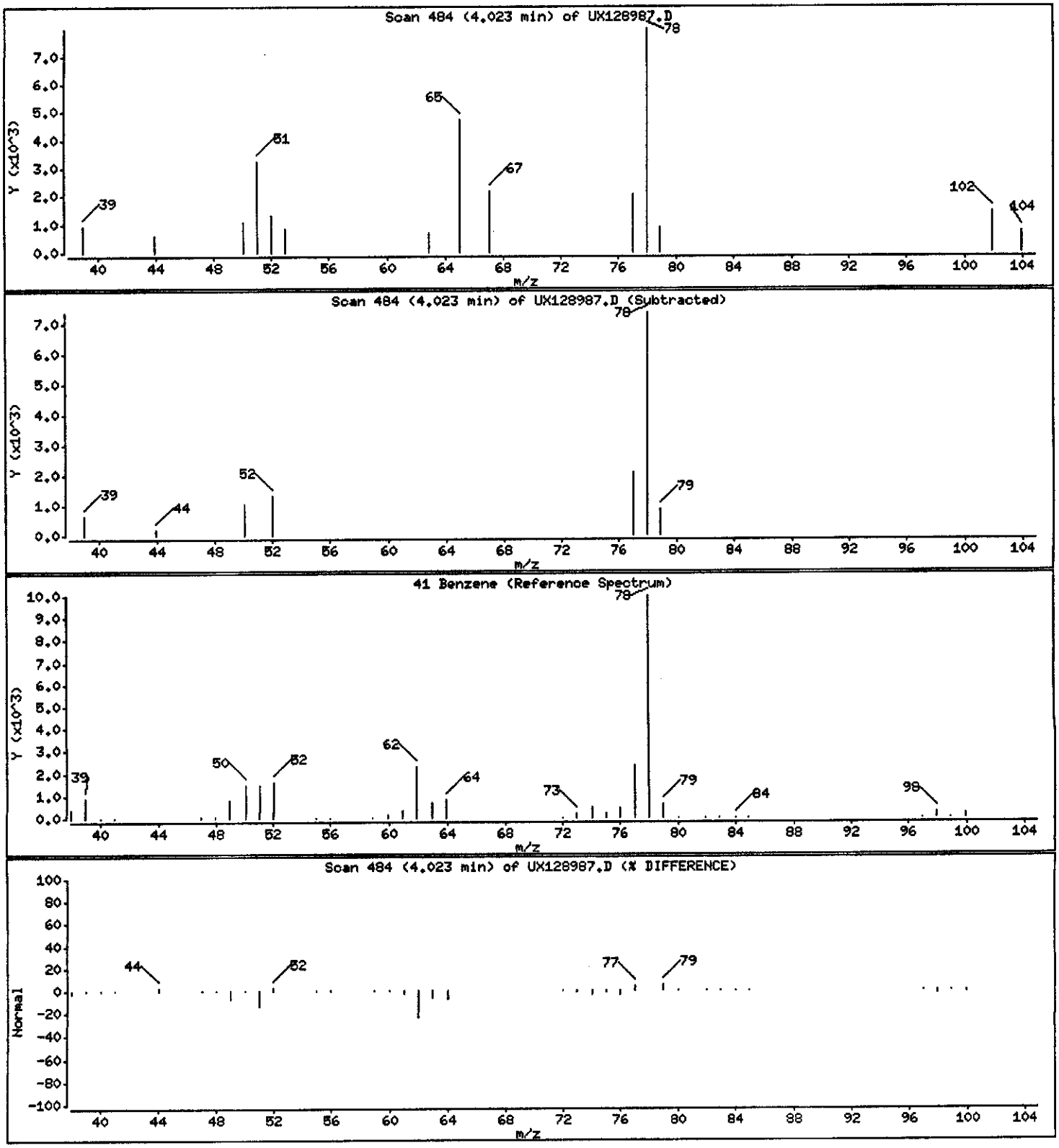
Operator: 1903

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 0.4184 ug/L



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Date : 25-AUG-2004 17:58

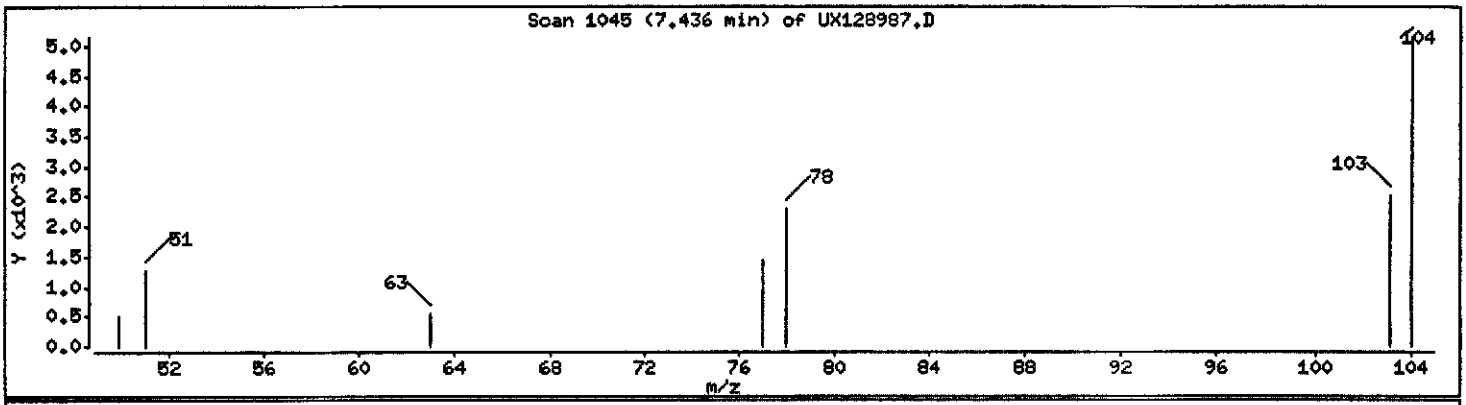
Client ID: | Instrument: a3ux12.i

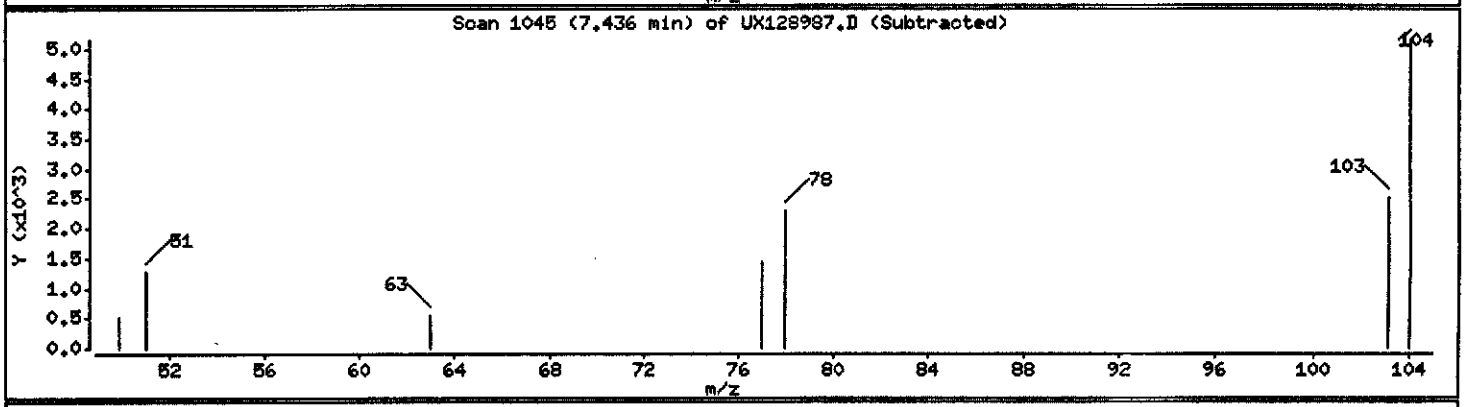
Sample Info: BLANK

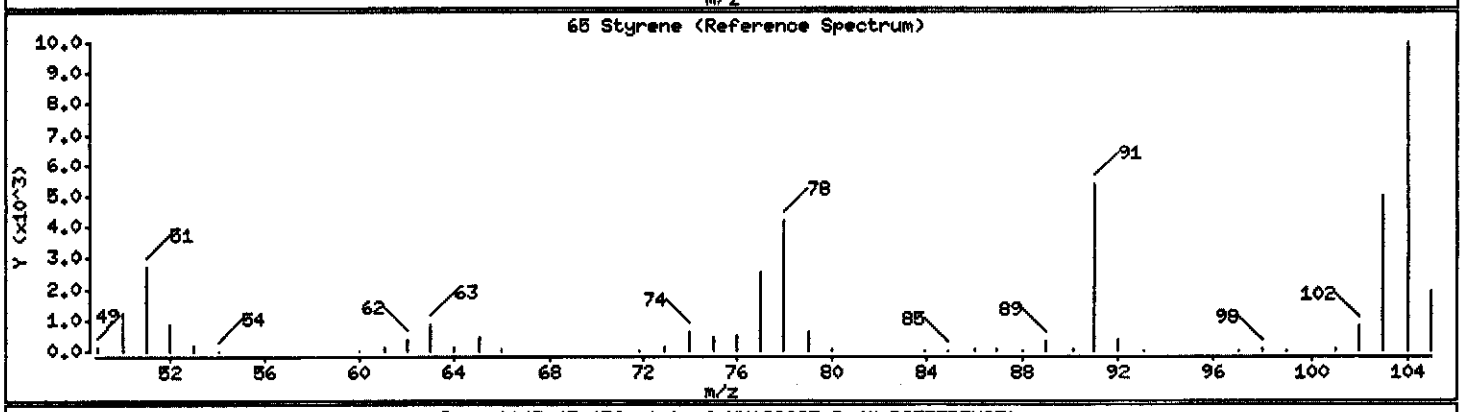
Purge Volume: 5.0 | Operator: 1903

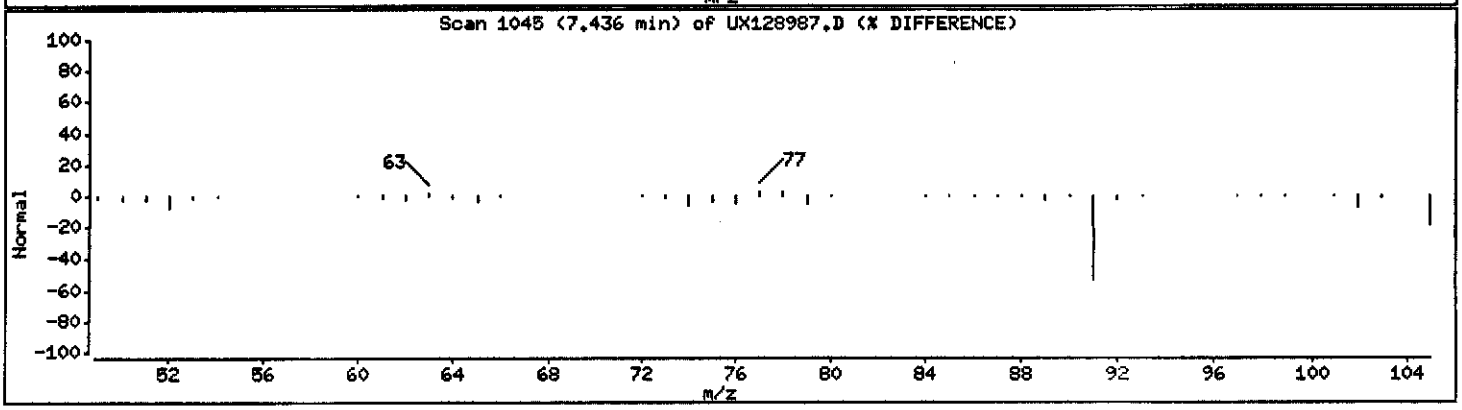
Column phase: DB624 | Column diameter: 0.18

65 Styrene | Concentration: 0.1880 ug/L









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Report Date: 27-Aug-2004 20:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40825A.b\UX128987.D
Lab Smp Id: gn5nr1aa
Inj Date : 25-AUG-2004 17:58
Operator : 1903 Inst ID: a3ux12.i
Smp Info : BLANK
Misc Info : T40825A,8260LLUX12,,1903,3,,BLANK,,0
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40825A.b\8260LLUX12.m
Meth Date : 25-Aug-2004 17:07 laveyt Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19 Cal File: UX127155.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GM9XA1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4H170141-009 GM9XA1AD-MSD
Date Sampled...: 08/16/04 14:03 **Date Received..:** 08/17/04
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4238597
Dilution Factor: 12.5 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	45	(45 - 128)			SW846 8260B
	480 a,p	(45 - 128)	166	(0-30)	SW846 8260B
Benzene	**94**	**(78 - 118)**			**SW846 8260B**
	92	**(78 - 118)**	**1.5**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	98	(80 - 146)			SW846 8260B
	99	(80 - 146)	0.96	(0-30)	SW846 8260B
Bromoform	67	(58 - 176)			SW846 8260B
	70	(58 - 176)	4.4	(0-30)	SW846 8260B
Bromomethane	86	(55 - 145)			SW846 8260B
	81	(55 - 145)	6.3	(0-30)	SW846 8260B
2-Butanone	53 a	(71 - 123)			SW846 8260B
	53 a	(71 - 123)	1.2	(0-30)	SW846 8260B
Carbon disulfide	118	(69 - 138)			SW846 8260B
	115	(69 - 138)	3.3	(0-41)	SW846 8260B
Carbon tetrachloride	101	(63 - 176)			SW846 8260B
	101	(63 - 176)	0.40	(0-30)	SW846 8260B
Chlorobenzene	**96**	**(76 - 117)**			**SW846 8260B**
	96	**(76 - 117)**	**0.32**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	83	(71 - 158)			SW846 8260B
	85	(71 - 158)	3.1	(0-30)	SW846 8260B
Chloroethane	109	(59 - 142)			SW846 8260B
	103	(59 - 142)	5.4	(0-30)	SW846 8260B
Chloroform	105	(83 - 141)			SW846 8260B
	105	(83 - 141)	0.28	(0-30)	SW846 8260B
Chloromethane	93	(40 - 137)			SW846 8260B
	92	(40 - 137)	1.0	(0-39)	SW846 8260B
1,1-Dichloroethane	116	(88 - 127)			SW846 8260B
	114	(88 - 127)	1.2	(0-30)	SW846 8260B
1,2-Dichloroethane	100	(71 - 160)			SW846 8260B
	130	(71 - 160)	13	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	104	(87 - 114)			SW846 8260B
	121 a	(87 - 114)	4.8	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	111	(85 - 116)			SW846 8260B
	128 a	(85 - 116)	11	(0-30)	SW846 8260B
1,1-Dichloroethene	**124**	**(62 - 130)**			**SW846 8260B**
	119	**(62 - 130)**	**4.5**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	107	(86 - 115)			SW846 8260B
	124 a	(86 - 115)	6.6	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GM9XA1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4H170141-009 GM9XA1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	97	(87 - 114)			SW846 8260B
	96	(87 - 114)	0.19	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	100	(82 - 130)			SW846 8260B
	97	(82 - 130)	3.1	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	84	(73 - 147)			SW846 8260B
	85	(73 - 147)	1.5	(0-30)	SW846 8260B
Ethylbenzene	93	(86 - 132)			SW846 8260B
	94	(86 - 132)	1.2	(0-30)	SW846 8260B
2-Hexanone	52 a	(81 - 128)			SW846 8260B
	51 a	(81 - 128)	1.2	(0-30)	SW846 8260B
Methylene chloride	121 a	(82 - 115)			SW846 8260B
	119 a	(82 - 115)	1.1	(0-30)	SW846 8260B
4-Methyl-2-pentanone	69 a	(82 - 135)			SW846 8260B
	68 a	(82 - 135)	2.2	(0-30)	SW846 8260B
Styrene	89	(83 - 120)			SW846 8260B
	88	(83 - 120)	0.21	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	89	(88 - 116)			SW846 8260B
	87 a	(88 - 116)	1.6	(0-30)	SW846 8260B
Tetrachloroethene	89	(85 - 121)			SW846 8260B
	91	(85 - 121)	2.0	(0-30)	SW846 8260B
Toluene	**91**	**(70 - 119)**			**SW846 8260B**
	93	**(70 - 119)**	**2.0**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	93	(71 - 162)			SW846 8260B
	90	(71 - 162)	3.3	(0-30)	SW846 8260B
1,1,2-Trichloroethane	89	(86 - 129)			SW846 8260B
	91	(86 - 129)	2.6	(0-30)	SW846 8260B
Trichloroethene	**105**	**(62 - 130)**			**SW846 8260B**
	102	**(62 - 130)**	**2.3**	**(0-20)**	**SW846 8260B**
Vinyl chloride	98	(88 - 126)			SW846 8260B
	100	(88 - 126)	1.1	(0-30)	SW846 8260B
Xylenes (total)	92	(89 - 121)			SW846 8260B
	93	(89 - 121)	0.97	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
	102	(73 - 122)
1,2-Dichloroethane-d4	112	(61 - 128)
	98	(61 - 128)
Toluene-d8	95	(76 - 110)
	96	(76 - 110)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GM9XA1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4H170141-009 GM9XA1AD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	93	(74 - 116)
	93	(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.

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GM9XA1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4H170141-009 GM9XA1AD-MSD
Date Sampled...: 08/16/04 14:03 **Date Received..:** 08/17/04
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4238597
Dilution Factor: 12.5 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	ND	120	56	ug/L	45		SW846 8260B
	ND	120	600	ug/L	480	166	SW846 8260B
		Qualifiers:	a,p				
Benzene	**11**	**120**	**130**	**ug/L**	**94**		**SW846 8260B**
	11	**120**	**130**	**ug/L**	**92**	**1.5**	**SW846 8260B**
Bromodichloromethane	ND	120	120	ug/L	98		SW846 8260B
	ND	120	120	ug/L	99	0.96	SW846 8260B
Bromoform	ND	120	84	ug/L	67		SW846 8260B
	ND	120	88	ug/L	70	4.4	SW846 8260B
Bromomethane	ND	120	110	ug/L	86		SW846 8260B
	ND	120	100	ug/L	81	6.3	SW846 8260B
2-Butanone	ND	120	67	ug/L	53 a		SW846 8260B
	ND	120	66	ug/L	53 a	1.2	SW846 8260B
Carbon disulfide	ND	120	150	ug/L	118		SW846 8260B
	ND	120	140	ug/L	115	3.3	SW846 8260B
Carbon tetrachloride	ND	120	130	ug/L	101		SW846 8260B
	ND	120	130	ug/L	101	0.40	SW846 8260B
Chlorobenzene	**ND**	**120**	**120**	**ug/L**	**96**		**SW846 8260B**
	ND	**120**	**120**	**ug/L**	**96**	**0.32**	**SW846 8260B**
Dibromochloromethane	ND	120	100	ug/L	83		SW846 8260B
	ND	120	110	ug/L	85	3.1	SW846 8260B
Chloroethane	ND	120	140	ug/L	109		SW846 8260B
	ND	120	130	ug/L	103	5.4	SW846 8260B
Chloroform	ND	120	130	ug/L	105		SW846 8260B
	ND	120	130	ug/L	105	0.28	SW846 8260B
Chloromethane	ND	120	120	ug/L	93		SW846 8260B
	ND	120	120	ug/L	92	1.0	SW846 8260B
1,1-Dichloroethane	6.9	120	150	ug/L	116		SW846 8260B
	6.9	120	150	ug/L	114	1.2	SW846 8260B
1,2-Dichloroethane	140	120	270	ug/L	100		SW846 8260B
	140	120	310	ug/L	130	13	SW846 8260B
cis-1,2-Dichloroethene	300	120	430	ug/L	104		SW846 8260B
	300	120	450	ug/L	121 a	4.8	SW846 8260B
trans-1,2-Dichloroethene	52	120	190	ug/L	111		SW846 8260B
	52	120	210	ug/L	128 a	11	SW846 8260B
1,1-Dichloroethene	**ND**	**120**	**160**	**ug/L**	**124**		**SW846 8260B**
	ND	**120**	**150**	**ug/L**	**119**	**4.5**	**SW846 8260B**

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GM9XA1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4H170141-009 GM9XA1AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dichloroethene (total)	350	250	620	ug/L	107		SW846 8260B
	350	250	660	ug/L	124 a	6.6	SW846 8260B
1,2-Dichloropropane	ND	120	120	ug/L	97		SW846 8260B
	ND	120	120	ug/L	96	0.19	SW846 8260B
cis-1,3-Dichloropropene	ND	120	130	ug/L	100		SW846 8260B
	ND	120	120	ug/L	97	3.1	SW846 8260B
trans-1,3-Dichloropropene	ND	120	100	ug/L	84		SW846 8260B
	ND	120	110	ug/L	85	1.5	SW846 8260B
Ethylbenzene	ND	120	120	ug/L	93		SW846 8260B
	ND	120	120	ug/L	94	1.2	SW846 8260B
2-Hexanone	ND	120	65	ug/L	52 a		SW846 8260B
	ND	120	64	ug/L	51 a	1.2	SW846 8260B
Methylene chloride	25	120	180	ug/L	121 a		SW846 8260B
	25	120	170	ug/L	119 a	1.1	SW846 8260B
4-Methyl-2-pentanone	ND	120	87	ug/L	69 a		SW846 8260B
	ND	120	85	ug/L	68 a	2.2	SW846 8260B
Styrene	3.3	120	110	ug/L	89		SW846 8260B
	3.3	120	110	ug/L	88	0.21	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	120	110	ug/L	89		SW846 8260B
	ND	120	110	ug/L	87 a	1.6	SW846 8260B
Tetrachloroethene	ND	120	110	ug/L	89		SW846 8260B
	ND	120	110	ug/L	91	2.0	SW846 8260B
Toluene	**ND**	**120**	**110**	**ug/L**	**91**		**SW846 8260B**
	ND	**120**	**120**	**ug/L**	**93**	**2.0**	**SW846 8260B**
1,1,1-Trichloroethane	ND	120	120	ug/L	93		SW846 8260B
	ND	120	110	ug/L	90	3.3	SW846 8260B
1,1,2-Trichloroethane	ND	120	110	ug/L	89		SW846 8260B
	ND	120	110	ug/L	91	2.6	SW846 8260B
Trichloroethene	**ND**	**120**	**130**	**ug/L**	**105**		**SW846 8260B**
	ND	**120**	**130**	**ug/L**	**102**	**2.3**	**SW846 8260B**
Vinyl chloride	110	120	230	ug/L	98		SW846 8260B
	110	120	230	ug/L	100	1.1	SW846 8260B
Xylenes (total)	ND	380	340	ug/L	92		SW846 8260B
	ND	380	350	ug/L	93	0.97	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
	102	(73 - 122)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H170141 **Work Order #...:** GM9XA1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4H170141-009 GM9XA1AD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	112	(61 - 128)
	98	(61 - 128)
Toluene-d8	95	(76 - 110)
	96	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)
	93	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

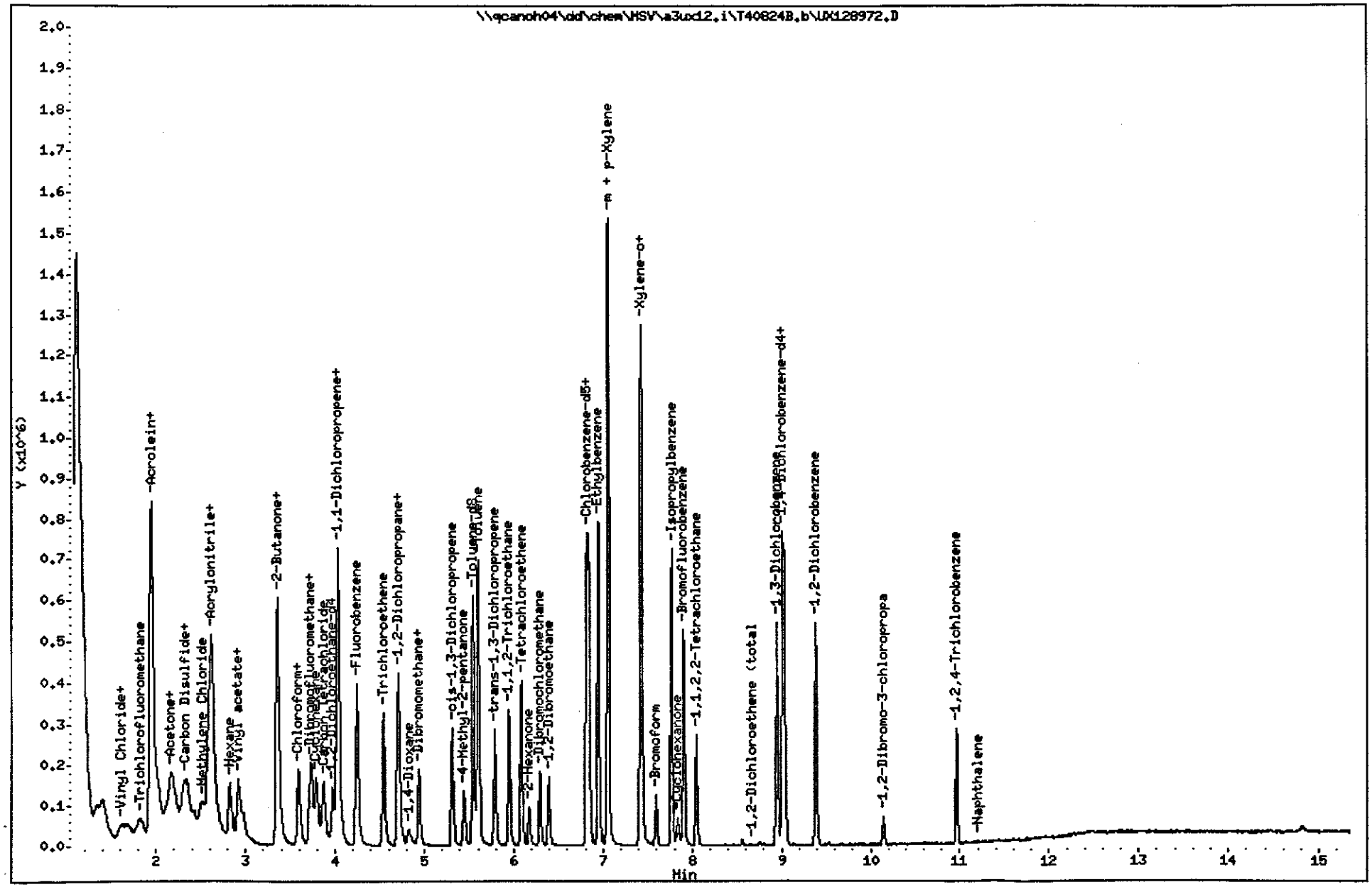
a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

Data File: \\qcanoh04\dd\chem\HSV\a3ux12.i\T40824B.b\UX128972.D
Date : 25-AUG-2004 04:02
Client ID: MW505A/081604
Sample Info: GM9XA1AC,0.4ML/5ML
Purge Volume: 0.4
Column phase: DB624

Instrument: a3ux12.i

Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128972.D
Report Date: 25-Aug-2004 18:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128972.D
Lab Smp Id: GM9XA1AC
Client Smp ID: MW505A/081604
Inj Date : 25-AUG-2004 04:02
Operator : 1903
Inst ID: a3ux12.i
Smp Info : GM9XA1AC,0.4ML/5ML
Misc Info : T40824B,8260LLUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 24-Aug-2004 22:18 laveyt
Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19
Cal File: UX127155.D
Als bottle: 19
QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.400	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.242	4.242	(1.000)	439794	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	428572	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.012	9.011	(1.000)	193054	50.0000	
$ 4 Dibromofluoromethane	113	3.713	3.713	(0.875)	95968	51.8743	129.68
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	130501	56.0223	140.06
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	420675	47.6377	119.09
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	172385	46.6013	116.50
8 Dichlorodifluoromethane	85	1.243	1.230	(0.293)	82341	37.7441	94.360
9 Chloromethane	50	1.328	1.328	(0.313)	169255	46.7047	116.76
10 Vinyl Chloride	62	1.413	1.395	(0.333)	283858	91.4970	228.74
11 Bromomethane	94	1.620	1.602	(0.382)	81642	43.0485	107.62
12 Chloroethane	64	1.675	1.681	(0.395)	106638	54.3224	135.80
13 Trichlorofluoromethane	101	1.821	1.821	(0.429)	183093	63.1041	157.76
15 Acrolein	56	2.022	2.021	(0.477)	189731	579.587	1449.0
16 Acetone	43	2.131	2.119	(0.502)	36903	22.5892	56.473
17 1,1-Dichloroethene	96	2.174	2.167	(0.512)	148164	62.0570	155.14
18 Freon-113	151	2.186	2.161	(0.515)	101824	63.8063	159.52
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128972.D
Report Date: 25-Aug-2004 18:20

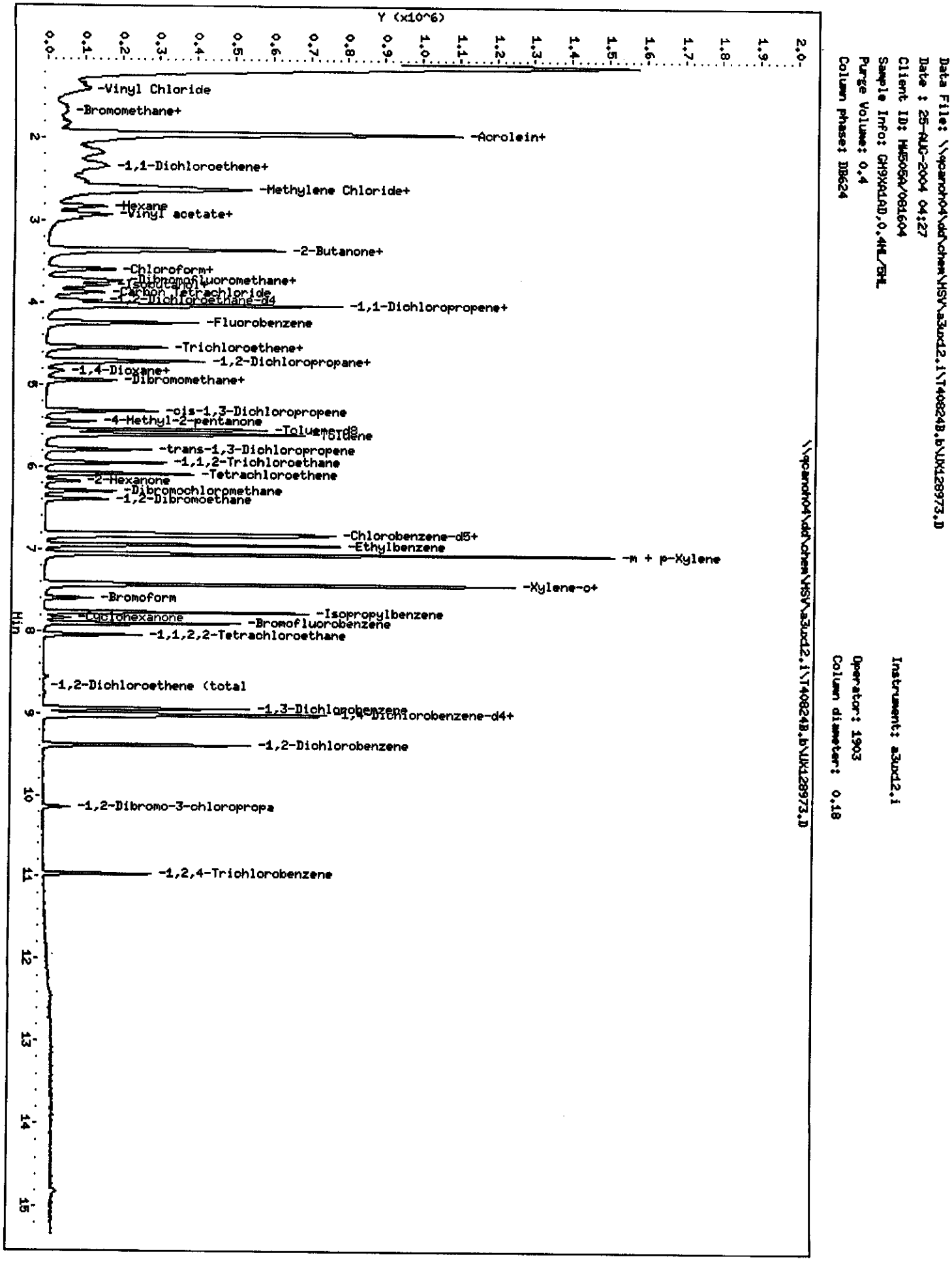
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.326	2.307	(0.548)	445211	59.2073	148.02
	21 Methylene Chloride	84	2.526	2.526	(0.596)	176844	70.5021	176.26
	22 Acetonitrile	41	2.320	2.313	(0.547)	147918	428.956	1072.4
	23 Acrylonitrile	53	2.593	2.593	(0.611)	451716	505.101	1262.8
	24 Methyl tert-butyl ether	73	2.630	2.624	(0.620)	242583	37.4596	93.649
	25 trans-1,2-Dichloroethene	96	2.624	2.624	(0.619)	168841	76.0919	190.23
	26 Hexane	57	2.825	2.830	(0.666)	105482	58.0395	145.10
	27 Vinyl acetate	43	2.971	2.958	(0.700)	35880	10.3759	25.940
	28 1,1-Dichloroethane	63	2.922	2.922	(0.689)	220436	60.6325	151.58
	29 tert-Butyl Alcohol	59	2.630	2.502	(0.620)	9021	43.6205	109.05
	30 2-Butanone	43	3.360	3.360	(0.792)	45349	26.6336	66.584
M	31 1,2-Dichloroethene (total)	96				569801	247.165	617.91
	32 cis-1,2-dichloroethene	96	3.354	3.354	(0.791)	400959	171.073	427.68
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	3.591	3.591	(0.847)	192339	52.6910	131.73
	36 Tetrahydrofuran	42	3.573	3.567	(0.842)	8897	10.0446	25.111
	37 1,1,1-Trichloroethane	97	3.737	3.737	(0.881)	135794	46.5115	116.28
	38 1,1-Dichloropropene	75	4.029	3.865	(0.950)	7826	2.80302	7.008
	39 Carbon Tetrachloride	117	3.871	3.871	(0.913)	118578	50.3493	125.87
	40 1,2-Dichloroethane	62	4.035	4.035	(0.951)	317405	107.414	268.53
	41 Benzene	78	4.029	4.023	(0.950)	502114	51.4432	128.61
	42 Trichloroethene	130	4.540	4.540	(1.070)	135524	53.5921	133.98
	43 1,2-Dichloropropane	63	4.717	4.716	(1.112)	103167	48.2783	120.70
	44 1,4-Dioxane	88	4.826	4.826	(1.138)	57747	2317.45	5793.6(A)
	45 Dibromomethane	93	4.942	4.808	(1.165)	3304	2.56700	6.418
	46 Bromodichloromethane	83	4.942	4.941	(1.165)	132507	49.0189	122.55
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	5.313	5.313	(1.252)	177307	50.0234	125.06
	49 4-Methyl-2-pentanone	43	5.447	5.440	(1.284)	91744	34.6733	86.683
	50 Toluene	91	5.605	5.605	(0.822)	527166	45.3744	113.44
	51 trans-1,3-Dichloropropene	75	5.787	5.787	(0.849)	157516	41.9319	104.83
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	5.945	5.945	(0.872)	106887	44.4440	111.11
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.085	6.079	(0.893)	99196	44.7147	111.79
	56 2-Hexanone	43	6.171	6.170	(0.905)	65911	25.8278	64.570
	57 Dibromochloromethane	129	6.292	6.292	(0.923)	98360	41.2888	103.22
	58 1,2-Dibromoethane	107	6.390	6.389	(0.938)	116402	45.1601	112.90
	59 Chlorobenzene	112	6.840	6.840	(1.004)	386148	48.0820	120.20
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	6.949	6.949	(1.020)	188154	46.3380	115.84
	62 m + p-Xylene	106	7.059	7.059	(1.036)	474059	92.1470	230.37
M	63 Xylenes (total)	106				703166	137.547	343.87
	64 Xylene-o	106	7.424	7.417	(1.089)	229107	45.3998	113.50
	65 Styrene	104	7.436	7.436	(1.091)	408968	45.6231	114.06
	66 Bromoform	173	7.594	7.594	(1.114)	57728	33.6588	84.147

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128972.D
Report Date: 25-Aug-2004 18:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	7.771	7.770	(1.140)	479049	44.6633	111.66
68 1,1,2,2-Tetrachloroethane	83	8.050	8.050	(0.893)	124005	44.2615	110.65
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	8.945	8.944	(0.993)	242487	47.4734	118.68
81 1,4-Dichlorobenzene	146	9.030	9.030	(1.002)	264528	48.1587	120.40
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	9.389	9.389	(1.042)	235070	46.4889	116.22
84 1,2-Dibromo-3-chloropropane	157	10.149	10.143	(1.126)	20190	38.2177	95.544
85 1,2,4-Trichlorobenzene	180	10.964	10.970	(1.217)	89877	43.3872	108.47
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	11.196	11.195	(1.242)	1198	4.28511	10.713
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	1.942	1.942	(0.458)	1002778	546.384	1366.0(A)
91 3-Chloropropene	76	2.326	2.344	(0.548)	449170	435.509	1088.8(A)
92 Isopropyl Ether	87	2.977	2.977	(0.702)	16671	8.65859	21.646
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	3.360	3.408	(0.792)	43293	17.9480	44.870
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	4.114	3.956	(0.604)	1228	44.6353	111.59
99 n-Butanol	56	4.704	4.485	(0.690)	25572	573.414	1433.5(A)
100 Methyl Methacrylate	41	4.704	4.808	(1.109)	104142	52.6468	131.62
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	7.837	7.837	(0.870)	35486	406.814	1017.0(A)
98 Cyclohexane	56	3.792	3.786	(0.894)	126738	42.7170	106.79
143 Methyl Acetate	43	2.356	2.356	(0.555)	89932	45.4923	113.73
144 Methylcyclohexane	83	4.704	4.698	(1.109)	110623	47.8155	119.54
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\a3ux12.i\T40824B.b\UX128973.D
Date : 25-AUG-2004 04:27
Client ID: MW505A/081604
Sample Info: GH9XA1AD,0.4ML/5ML
Purge Volume: 0.4
Column phase: DB624
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
\\qcanoh04\dd\chem\HSV\a3ux12.i\T40824B.b\UX128973.D
Y (x10^6)
Min
-Vinyl Chloride
-Bromomethane+
-Acrolein+
-1,1-Dichloroethene+
-Methylene Chloride+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Chloroform+
-Dibromofluoromethane+
-Isobutanol+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,1-Dichloropropene+
-Fluorobenzene
-Trichloroethene+
-1,2-Dichloropropane+
-1,4-Dioxane+
-Dibromomethane+
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
-m + p-Xylene
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Cyclohexanone
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,2-Dichloroethene (total
-1,3-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128973.D
Report Date: 25-Aug-2004 18:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128973.D
Lab Smp Id: GM9XA1AD
Client Smp ID: MW505A/081604
Inj Date : 25-AUG-2004 04:27
Operator : 1903
Inst ID: a3ux12.i
Smp Info : GM9XA1AD,0.4ML/5ML
Misc Info : T40824B,8260LLUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T40824B.b\8260LLUX12.m
Meth Date : 24-Aug-2004 22:18 laveyt
Quant Type: ISTD
Cal Date : 02-JUN-2004 19:19
Cal File: UX127155.D
Als bottle: 20
QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: QCANOH04

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.400	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.242	4.242	(1.000)	448281	50.0000	
* 2 Chlorobenzene-d5	117	6.815	6.815	(1.000)	422225	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.011	9.011	(1.000)	195686	50.0000	
$ 4 Dibromofluoromethane	113	3.713	3.713	(0.875)	95917	50.8649	127.16
$ 5 1,2-Dichloroethane-d4	65	3.974	3.974	(0.937)	116334	48.9955	122.49
$ 6 Toluene-d8	98	5.544	5.544	(0.813)	416106	47.8287	119.57
$ 7 Bromofluorobenzene	95	7.904	7.904	(1.160)	170259	46.7184	116.80
8 Dichlorodifluoromethane	85	1.243	1.230	(0.293)	92172	41.4506	103.63
9 Chloromethane	50	1.340	1.328	(0.316)	170730	46.2198	115.55
10 Vinyl Chloride	62	1.413	1.395	(0.333)	292543	92.5110	231.28
11 Bromomethane	94	1.626	1.602	(0.383)	78162	40.4333	101.08
12 Chloroethane	64	1.699	1.681	(0.401)	103002	51.4764	128.69
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	2.027	2.021	(0.478)	200162	599.874	1499.7
16 Acetone	43	1.942	2.119	(0.458)	281006	239.989	599.97(A)
17 1,1-Dichloroethene	96	2.173	2.167	(0.512)	144281	59.3198	148.30
18 Freon-113	151	2.186	2.161	(0.515)	95315	58.7739	146.93
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128973.D
Report Date: 25-Aug-2004 18:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.313	2.307	(0.545)	439211	57.3035	143.26
	21 Methylene Chloride	84	2.532	2.526	(0.597)	178204	69.6989	174.25
	22 Acetonitrile	41	2.326	2.313	(0.548)	155357	441.999	1105.0
	23 Acrylonitrile	53	2.587	2.593	(0.610)	449427	493.027	1232.6
	24 Methyl tert-butyl ether	73	2.624	2.624	(0.619)	255373	38.6880	96.720
	25 trans-1,2-Dichloroethene	96	2.624	2.624	(0.619)	191352	84.6042	211.51
	26 Hexane	57	2.824	2.830	(0.666)	97700	52.7401	131.85
	27 Vinyl acetate	43	2.983	2.958	(0.703)	26826	7.61078	19.027
	28 1,1-Dichloroethane	63	2.928	2.922	(0.690)	221991	59.9041	149.76
	29 tert-Butyl Alcohol	59	2.502	2.502	(0.590)	8656	41.0632	102.66
	30 2-Butanone	43	3.360	3.360	(0.792)	45681	26.3204	65.801
M	31 1,2-Dichloroethene (total)	96				620371	264.183	660.46
	32 cis-1,2-dichloroethene	96	3.354	3.354	(0.791)	429018	179.579	448.95
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	3.597	3.591	(0.848)	195500	52.5431	131.36
	36 Tetrahydrofuran	42	3.573	3.567	(0.842)	9523	10.6478	26.619
	37 1,1,1-Trichloroethane	97	3.737	3.737	(0.881)	133899	44.9939	112.48
	38 1,1-Dichloropropene	75	4.029	3.865	(0.950)	8446	2.96784	7.420
	39 Carbon Tetrachloride	117	3.871	3.871	(0.913)	121354	50.5525	126.38
	40 1,2-Dichloroethane	62	4.035	4.035	(0.951)	368549	122.360	305.90
	41 Benzene	78	4.029	4.023	(0.950)	504339	50.6929	126.73
	42 Trichloroethene	130	4.540	4.540	(1.070)	134985	52.3683	130.92
	43 1,2-Dichloropropane	63	4.716	4.716	(1.112)	104962	48.1880	120.47
	44 1,4-Dioxane	88	4.826	4.826	(1.138)	72790	2878.71	7196.8(A)
	45 Dibromomethane	93	4.941	4.808	(1.165)	3862	2.94378	7.359
	46 Bromodichloromethane	83	4.941	4.941	(1.165)	136373	49.4941	123.74
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	5.313	5.313	(1.252)	175216	48.4975	121.24
	49 4-Methyl-2-pentanone	43	5.446	5.440	(1.284)	91496	33.9246	84.811
	50 Toluene	91	5.605	5.605	(0.822)	529728	46.2803	115.70
	51 trans-1,3-Dichloropropene	75	5.787	5.787	(0.849)	157535	42.5672	106.42
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	5.945	5.945	(0.872)	108044	45.6004	114.00
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.085	6.079	(0.893)	99729	45.6309	114.08
	56 2-Hexanone	43	6.170	6.170	(0.905)	64150	25.5158	63.790
	57 Dibromochloromethane	129	6.292	6.292	(0.923)	99967	42.5941	106.48
	58 1,2-Dibromoethane	107	6.389	6.389	(0.938)	114414	45.0562	112.64
	59 Chlorobenzene	112	6.840	6.840	(1.004)	381648	48.2362	120.59
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	6.943	6.949	(1.019)	187497	46.8704	117.18
	62 m + p-Xylene	106	7.059	7.059	(1.036)	475302	93.7774	234.44
M	63 Xylenes (total)	106				699590	138.891	347.23
	64 Xylene-o	106	7.424	7.417	(1.089)	224288	45.1131	112.78
	65 Styrene	104	7.436	7.436	(1.091)	402091	45.5302	113.82
	66 Bromoform	173	7.594	7.594	(1.114)	59915	35.1616	87.904

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40824B.b\UX128973.D
Report Date: 25-Aug-2004 18:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	7.770	7.770	(1.140)	471911	44.6592	111.65
68 1,1,2,2-Tetrachloroethane	83	8.050	8.050	(0.893)	123742	43.5737	108.93
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	8.944	8.944	(0.993)	244749	47.2716	118.18
81 1,4-Dichlorobenzene	146	9.036	9.030	(1.003)	265668	47.7156	119.29
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	9.389	9.389	(1.042)	243907	47.5878	118.97
84 1,2-Dibromo-3-chloropropane	157	10.149	10.143	(1.126)	21090	39.2897	98.224
85 1,2,4-Trichlorobenzene	180	10.970	10.970	(1.217)	90750	43.2194	108.05
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	1.942	1.942	(0.458)	1304942	697.563	1743.9(A)
91 3-Chloropropene	76	2.313	2.344	(0.545)	443700	422.060	1055.2(A)
92 Isopropyl Ether	87	2.976	2.977	(0.702)	17998	9.17088	22.927
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	3.360	3.408	(0.792)	44500	18.0991	45.248
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	3.798	3.956	(0.557)	72944	977.825	2444.6(A)
99 n-Butanol	56	4.497	4.485	(0.660)	625	182.101	455.25
100 Methyl Methacrylate	41	4.710	4.808	(1.110)	106164	52.6528	131.63
101 2-Nitropropane	41	4.881	5.124	(1.151)	607	18.2614	45.654
103 Cyclohexanone	55	7.837	7.837	(0.870)	34693	392.382	980.96(A)
98 Cyclohexane	56	3.792	3.786	(0.894)	122492	40.5043	101.26
143 Methyl Acetate	43	2.350	2.356	(0.554)	89336	44.3352	110.84
144 Methylcyclohexane	83	4.698	4.698	(1.108)	110496	46.8565	117.14
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.

SEVERN TRENT STL

MISCELLANEOUS DATA

UX7
Batch # H23616H

STL-North Canton
GC/MS VOA Run Log

8/20

Date: 8-21-04

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 # V2163 SS # V2184		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB 380	50ng	Direct Inject	0:7:56	OK
1	8260 Cal		UX7 9038	5 Ng	V2180 76 82,93		OK
2			39	10 ng			OK
3			40	25 ng			OK
4			41	50 ng			OK
5			42	100 ng			OK
6			43	200 ng			OK
7	ICV		44	50ng	V2165 94	CMR 8-23-04 ICV passes	OK
8	A9 Cal		45	50ng	V2152 2181	UH0715	OK
9	LCS		46	↓	V2165	Gnn32-1AC	OK
10	Vol Blank		47	5ml		-1AA	OK
11	LCSD		48	50ng	V2165	-1AD	OK
12	GM1D8-1AA		49	0.25ml			OK
13	GM1D9-1AA		50	0.165ml			OK
14	GM1EA-1AA		51	0.1ml			OK
15	GM1EC-1AA		52	0.25ml			OK
16	GM1EE-1AA		53	5ml		Burn ↑	–
17	GM1MH-1AA		54	↓		TIC	OK
18	GM1M5-1AA		55	4ml			OK
19	GM1M6-1AA		56	2.5ml			OK
20	GM1M9-1AA		57	1.25ml			OK
21	GM1NA-1AA		58	↓			OK
22	GM1NC-1AA		59	1.5ml			OK
23	GM1TG-1AA		60	0.0025ml		RR 8ml	–
24	MS		61				–
25	MSD		62	↓			–
26	GM1TM-1AA		63	0.25ml			OK
27	GM1TP-1AA		64	0.01ml			OK
28	GMHH6-1AA		65	0.35ml			OK
29	GMHGH-1AA		66	5ml			OK
30	GMHKD-1AA		67	0.625ml		19:30	OK

Analyst: CMR
Level 2 review: SAM

CMR 8-23-04

40

UX7 190 305 190 247 130 217 4/25 Date: 5-23-04 (A)

Batch # H237295 190 179

STL-North Canton
GC/MS VOA Run Log

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 # 2163 SS # V219H		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB 342 CNR 350 Ng		Direct Inject	08:13	OK
1	A9 Col		UX7 9097		V2181 V2191	UH0715	OK
2	Vol Col		98		V2180 V2192.93	UH0821	OK
3	LC2		99		V219H	GnRMV-1AC	OK
4	LC3D		9100			-1AD	OK
5	Vol Blank		01	5ml		-1AA	OK
6	GMITG-1AA		02	0.008ml			OK
7	GnHGX-1AA		03	5ml			OK
8	GngR1-1AA		04	0.625ml		M.O.	OK
9	GnE16-1AC		05	5ml			OK
10	GnFC9-1AA		06	0.01ml			OK
11	GnFC9 1AC ~~GnENV-1AA~~ M2	CNR 8-23-04	07	+50Ng	V219H		OK
12	GnFC9 1AD ~~GnENL-1AA~~ M3D		08				OK
13	GnENV-1AA ~~GnDHN-1AD~~		09	5ml			OK
14	GnENL-1AA GnD5G-1AD		10				OK
15	GnD5G-1AD 4N	ED	11				OK
16	GnD5G-1AD ~~GnDEG-1AC~~		12				OK
17	GnD5G-1AD ~~GM9WC-1AA~~		13				OK
18	GnDC6-1AC ~~GM9XK-1AA~~		14				OK
19	GM9WC-1AA	ED	15				ok
20	GM9XK-1AA		16				ok
21	GM26P-1AA	GM	17				OK
22	GM26Q-1AA		18				OK
23	GM26R-1AA		19				OK
24	GM26T-1AA		20	0.01ml			OK
25	GM26V-1AA		21	5ml			OK
26	GM32g-1AA	ED	22				OK
27	GM32M-1AA		23	0.75ml			OK
28	GMWMX1AA	8-N MI	UX7 9124	2µL/5mL	27.3	4236503	OK

H311

Analyst: CNR

Level 2 review: SMW

CNR 8-24-04

42

UX12
Batch # _____

STL-North Canton
GC/MS VOA Run Log

PVC 5-28

Date: 5-27-4

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 @190 C
Bake: 5 min @ 210 C
Heated purge: Yes (No)

IS # V1879 SS # V1854

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep		Comments	Sample status
✓	BFB		BFB677	50ng			21:07	ok
✓	8260 STD		UX126992	2.5ng	V1887, 1904,	05	T40527	ok
✓			93	5ng				ok
✓			94	25ng				ok
✓			95	50ng				ok
✓			96	100ng				ok
✓			97	250ng				ok
✓	ICV		98	50ng	V1888			ok
✓	GGAS ICV		99	50ng	V1903			ok
✓	MLP LCS	5-27 MS	UX127000	100µL/5mL	25g	GHAC2	4149303	ok
✓	MLP LCSD		01					ok
✓	MLP BLK		02					ok
✓	GG59WIAE		03	100µL/5mL	28.4			ok
✓	GG59OIAE		04		27.6			ok
✓	GG59IIAE		05		26.8			ok
✓	GG59ZIAE		06		26.5			ok
✓	MLP LCS	5-20 MS	07	100µL/5mL	25g	GG6P5	4148251	ok
✓	MLP LCSD		08					ok
✓	MLP BLK		09					ok
✓	GGJC2IAA		10	100µL/5mL	24.8			ok
✓	GGJFCIAA		11		16.5	SSV		ok
✓	GGJFPIAA		12		26.5			ok
✓	GGJFVIAL		13		24.0			ok
✓	GGJFWIAW		14		23.2			ok
✓	GGJFOIAT		15	5µL/5mL	17.4			ok
✓	GGJFTIAA		16	100µL/5mL	26.2			ok
✓	GG66IIAA	5-27 MS	17	100µL/5mL	27.6			ok
	GG4ECIAA	5-26 MS	18	5µL/5mL	28.3		4149303	ok
			19			RK	100µL	
			20					
			21				5-28-4	

Analyst: K
Level 2 review: CMK

UX12
Batch # 4298597

STL-North Canton
GC/MS VOA Run Log

8-31

Date: 8-24-4
2ND TUNE

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 @190 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 210 C
	IS # V2170 SS # V2171		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB757	50ng		21:06	ok
	8260 STD		UX12 8956	50ng	V2180,92,93	T40527	ok
	A9 STD		57	50ng	V2181,91	T40602-A9	ok
	CHECK		58	50ng	V2194	GNXQQ	ok
	CHECK		59	50ng	↓	↓	ok
	BLANK		60	5mL			ok
	GM9MHIAM		61	2mL/5mL		NEED -2AA @ 5mL	OK
	GM9MKIAM		62	0.1mL/5mL		NEED -2AA @ 1mL	OK
	GM9MMIAM		63	0.1mL/5mL		NEED -2AA @ 1mL	OK
	GM9VXIAA		64	0.3mL/5mL			ok
	GM9V7IAA		65	5mL			ok
	GM9WFIAA		66	0.5mL/5mL			ok
	GM9WHIAA		67	5mL			ok
	GM9WJIAA		68	0.2mL/5mL			ok
	GM9WKIAA		69	0.4mL/5mL		EMULT - OK	ok
	GM9W9IAA		70	5mL			ok
	GM9XAIAA		71	0.4mL/5mL		EMULT - OK	OK
	GM9XAIAC	-5	72	↓	+50ng		ok
	GM9XAIAD	-D	73	↓	+50ng		ok
	GM9XEIAA		74	5mL			ok
	GM9XMIAA		75	↓			ok
	GM9XNIAA		76	↓			ok
	GM9X7IAA		77	↓			ok
	GM9XVIAA		78	↓		RR 3mL	
	GM9MPIAA		79	5mL			ok
	GM9L2IAM		80	5mL			ok
	GM9KTIAA		81	10µL/5mL		NEED -2AA @ 0.1mL	ok
	GM9MTIAM		82	10µL/5mL		NEED -2AA @ 0.1mL	ok
			83				
			84				
			85			8-25-4	
			86				

Analyst: K
Level 2 review: SAA

UX12
Batch # 4240557

STL-North Canton
GC/MS VOA Run Log

8-31

Date: 8-25-4

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
IS # V2170 SS # V2171

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 @190 C
Bake: 5 min @ 210 C
Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB758	50ng		15:50	ok
	8260 STD		ux128983	50ng	V2182,83,26	T40527	ok
	A9 STD		84	50ng	V2191, 2205	T40602-A9	ok
	CHECK		85	50ng	V2194	GNJNR	ok
	CHECK		86	50ng			ok
	BLANK		87	5mL			ok
	GM9XV1AA		88	3mL/5mL		RR 0.6mL	
	GNAVV1AA		89	3mL/5mL			ok
	GNAY1AA		90	1.5mL/5mL			ok
	GNAY3AA		91	0.25mL/5mL			ok
	GNAV5AA		92	5mL			ok
	GNAV7AA		93	1mL/5mL			ok
	GNAV9AA		94	60µL/5mL			ok
	GNAWC1AA		95	0.6mL/5mL			ok
	GNAWE1AA		96	5mL			ok
	GNAWG1AA		97	5mL			ok
	GNAWJ1AA		98	0.1mL/5mL			ok
	GNAWL1AA		99	5mL			ok
8-25-4	GM9XV1AA ~~GM9MA1AM~~		ux129000	8-25-4 ~~5mL~~	0.6mL/5mL		ok
	GM9ME1AM		01	5mL			ok
	GM9MG1AM		02	5mL			ok
	GNAWJ1AC	-MS	03	0.1mL/5mL	+50ng		ok
	GNAWJ1AD	-MSD	04				ok
8-25-4	~~GM9MH2AM~~	GM9MD1AM	05	5mL			ok
	GM9MH2AM		06	5mL			ok
	GM9MK2AM		07 ~~06~~	1mL/5mL			ok
	GM9MM2AM		08 ~~07~~	1mL/5mL			ok
	RINSE GM9KT2AA		RINSE1 09 ~~08~~	0.1mL/5mL	8-25-4		ok
	GM9MJ2AM		10 ~~09~~	0.1mL/5mL			ok
8-25-4	~~RINSE GM9MH2AM~~		~~RINSE2 10~~	~~5mL~~	8-25-4		—
	RINSE RINSE		RINSE2 RINSE3 ~~11~~	8-25-4			—
			12				
						8-27-4	

Analyst: TN
Level 2 review: SAW

PSL205 Severn Trent Laboratories, Inc System Date: 8/17/04 9:23:17
Page 1 Local Date: 8/17/04 11:23:17

MSVOC Lot Summary - A4H170141

CLIENT: 5670 PAYNE FIRM INC. SDG: 28 Date Received: 8/17/04
PROJECT MANAGER: Roger K. Toth Date Analysis Due: 8/31/04 N
SITE: EMD RCRA V.A. Date Report Due: 9/06/04
LOT COMMENTS: Turnaround Time: 14
QC PACKAGE: Expanded Deliverables

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
001	GM9VX-1AA	XX I 25 QK 01 MS8260LL		8/16/04 10:18	8/30/04	Y	MW008/081604 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H17141 (CLOSED). AP9 Compounds
002	GM9V7-1AA	XX I 25 QK 01 MS8260LL		8/16/04 11:25	8/30/04	Y	MW011C/081604 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H17141 (CLOSED). AP9 Compounds
003	GM9WC-1AA	XX I 25 QK 01 MS8260LL		8/16/04 13:05	~~8/30/04~~ 8/23/04 DE 8-18-04	Y	MW011A/081604 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H17141 (CLOSED). AP9 Compounds
004	GM9WF-1AA	XX I 25 QK 01 MS8260LL		8/16/04 14:15	8/30/04	Y	MW015/081604 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H17141 (CLOSED). AP9 Compounds
005	GM9WH-1AA	XX I 25 QK 01 MS8260LL		8/16/04 15:36	8/30/04	Y	MW017/081604 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H17141 (CLOSED). AP9 Compounds
006	GM9WJ-1AA	XX I 25 QK 01 MS8260LL		8/16/04 10:10	8/30/04	Y	OUTFALL/081604 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H17141 (CLOSED). AP9 Compounds
007	GM9W4-1AA	XX I 25 QK 01 MS8260LL		8/16/04	8/30/04	Y	DUP02L/081604 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H17141 (CLOSED). AP9 Compounds
008	GM9W9-1AA	XX I 25 QK 01 MS8260LL		8/16/04	8/30/04	Y	TB01/081604 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H17141 (CLOSED). AP9 Compounds
009	GM9XA-1AA	XX I 25 QK 01 MS8260LL		8/16/04 14:03	8/30/04	Y	MW505A/081604 Q: CLP MSVOA TCL Standard List EMS REQ THIS SAM, EXP.DEL. SDG #4H17141 (CLOSED). AP9 Compounds
009-D	"	-1AD XX I 25 QK 01 MS8260LL		8/16/04	8/30/04	Y	AP9 Compounds
009-S	"	-1AC XX I 25 QK 01 MS8260LL		8/16/04	8/30/04	Y	AP9 Compounds
010	GM9XE-1AA	XX I 25 QK 01 MS8260LL		8/16/04 10:46	8/30/04	Y	DW001/081604 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H17141 (CLOSED). AP9 Compounds
011	GM9XK-1AA	XX I 25 QK 01 MS8260LL		8/16/04 11:18	~~8/30/04~~ 8/23/04 DE 8-18-04	Y	DW002/081604 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H17141 (CLOSED). AP9 Compounds

PH = 1

PH = 7,7,

PH = 1

PH = 7,7,

PH = 7,7,

MSVOC Lot Summary - A4H170141

CLIENT: 5670 PAYNE FIRM INC.
PROJECT MANAGER: Roger K. Toth
SITE: EMD RCRA V.A.
LOT COMMENTS:
QC PACKAGE: Expanded Deliverables

SDG: 20

Date Received: 8/17/04
Date Analysis Due: 8/31/04 N
Date Report Due: 9/06/04
Turnaround Time: 14

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
12-	GM9XM-1AA	XX I 25 QK 01 MS8260LL		8/16/04 12:01	8/30/04	Y	DW003/081604 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H17141 (CLOSED). AP9 Compounds
13-	GM9XN-1AA	XX I 25 QK 01 MS8260LL		8/16/04 11:48	8/30/04	Y	DW004/081604 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H17141 (CLOSED). AP9 Compounds
14-	GM9XT-1AA	XX I 25 QK 01 MS8260LL		8/16/04 13:28	8/30/04	Y	MW504/081604 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H17141 (CLOSED). AP9 Compounds
15-	GM9XV-1AA	XX I 25 QK 01 MS8260LL		8/16/04 14:32	8/30/04	Y	MW505B/081604 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H17141 (CLOSED). AP9 Compounds

3

pH = 1

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LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A4H170141	1	GM9VX1AA	MS8260LL	8/25/04	Tim Lavey
A4H170141	2	GM9V71AA	MS8260LL	8/25/04	Tim Lavey
A4H170141	3	GM9WC1AA	MS8260LL	8/23/04	Carolynne Roach
A4H170141	4	GM9WF1AA	MS8260LL	8/25/04	Tim Lavey
A4H170141	5	GM9WH1AA	MS8260LL	8/25/04	Tim Lavey
A4H170141	6	GM9WJ1AA	MS8260LL	8/25/04	Tim Lavey
A4H170141	7	GM9W41AA	MS8260LL	8/25/04	Tim Lavey
A4H170141	8	GM9W91AA	MS8260LL	8/25/04	Tim Lavey
A4H170141	9	GM9XA1AA	MS8260LL	8/25/04	Tim Lavey
A4H170141	10	GM9XE1AA	MS8260LL	8/25/04	Tim Lavey
A4H170141	11	GM9XK1AA	MS8260LL	8/23/04	Carolynne Roach
A4H170141	12	GM9XM1AA	MS8260LL	8/25/04	Tim Lavey
A4H170141	13	GM9XN1AA	MS8260LL	8/25/04	Tim Lavey
A4H170141	14	GM9XT1AA	MS8260LL	8/25/04	Tim Lavey
A4H170141	15	GM9XV1AA	MS8260LL	8/25/04	Tim Lavey

*** END OF REPORT ***

SEVERN TRENT STL

END OF REPORT