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SEVERN TRENT STL

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ANALYTICAL REPORT

REVISED

PROJECT NO. 100.58.19

EMD CHEMICAL

Lot #: A4G100202

Angela Hurley

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

SEVERN TRENT LABORATORIES, INC.

Roger K. Toth

Roger K. Toth
Project Manager

August 4, 2004

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE

A4G100202 Revised

The following report contains the analytical results for eighteen water samples and one quality control sample submitted to STL North Canton by The Payne Firm, Inc. from the EMD Chemical Site, project number 100.58.19. The samples were received July 10, 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 July 23, 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 1.6°C.

See STL's Cooler Receipt Form for additional information.

CASE NARRATIVE (continued)

GC/MS VOLATILES

The pH of the sample MW507B/070804 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.

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.

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:

Alabama (#41170), California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#100439), Kansas (#E10336), Massachusetts (#M-OH048), 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), Virginia (#00011), 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

A4G100202

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
DUP001/070804 07/08/04 001				
Acetone	1.2 J	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.1	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	1.1 J	2.0	ug/L	SW846 8260B
1,4-Dioxane	94	50	ug/L	SW846 8260B
MW507/070804 07/08/04 11:56 002				
Acetone	1.3 J	10	ug/L	SW846 8260B
Carbon disulfide	0.50 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.2	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	1.2 J	2.0	ug/L	SW846 8260B
1,4-Dioxane	120	50	ug/L	SW846 8260B
MW507B/070804 07/08/04 12:35 003				
Acetone	5.1 J,B	10	ug/L	SW846 8260B
Benzene	0.24 J	1.0	ug/L	SW846 8260B
2-Butanone	1.3 J,B	10	ug/L	SW846 8260B
Carbon disulfide	0.35 J	1.0	ug/L	SW846 8260B
Chloroform	1.1	1.0	ug/L	SW846 8260B
Dibromomethane	0.45 J	1.0	ug/L	SW846 8260B
Toluene	0.51 J	1.0	ug/L	SW846 8260B
Xylenes (total)	0.78 J	2.0	ug/L	SW846 8260B
MW509B/070804 07/08/04 13:10 004				
2-Butanone	0.63 J	10	ug/L	SW846 8260B
Carbon disulfide	0.96 J	1.0	ug/L	SW846 8260B
Chloroform	0.39 J	1.0	ug/L	SW846 8260B
Chloromethane	0.22 J	1.0	ug/L	SW846 8260B
1,4-Dioxane	88	50	ug/L	SW846 8260B
Toluene	0.24 J	1.0	ug/L	SW846 8260B
MW509A/070804 07/08/04 13:33 005				
Acetone	1.8 J	10	ug/L	SW846 8260B
Carbon disulfide	0.48 J	1.0	ug/L	SW846 8260B
Chloroform	0.20 J	1.0	ug/L	SW846 8260B
Chloromethane	0.16 J	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	0.27 J	1.0	ug/L	SW846 8260B
1,4-Dioxane	54	50	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4G100202

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW505A/070804 07/08/04 14:20 006				
Carbon disulfide	5.9 J	10	ug/L	SW846 8260B
1,1-Dichloroethane	5.0 J	10	ug/L	SW846 8260B
1,2-Dichloroethane	110	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	270	10	ug/L	SW846 8260B
trans-1,2-Dichloroethene	39	10	ug/L	SW846 8260B
1,2-Dichloroethene (total)	310	20	ug/L	SW846 8260B
1,4-Dioxane	5000	500	ug/L	SW846 8260B
Methylene chloride	4.1 J,B	10	ug/L	SW846 8260B
Trichloroethene	3.2 J	10	ug/L	SW846 8260B
Vinyl chloride	77	10	ug/L	SW846 8260B
MW505B/070804 07/08/04 14:48 007				
cis-1,2-Dichloroethene	18	8.3	ug/L	SW846 8260B
trans-1,2-Dichloroethene	4.8 J	8.3	ug/L	SW846 8260B
1,2-Dichloroethene (total)	23	17	ug/L	SW846 8260B
1,4-Dioxane	12000	420	ug/L	SW846 8260B
Methylene chloride	3.1 J,B	8.3	ug/L	SW846 8260B
Vinyl chloride	2.2 J	8.3	ug/L	SW846 8260B
MW504/070804 07/08/04 15:40 008				
Acetone	5.2 J	10	ug/L	SW846 8260B
2-Butanone	1.2 J	10	ug/L	SW846 8260B
Carbon disulfide	1.9	1.0	ug/L	SW846 8260B
Chloroform	3.1	1.0	ug/L	SW846 8260B
Chloromethane	0.40 J	1.0	ug/L	SW846 8260B
1,4-Dioxane	83	50	ug/L	SW846 8260B
Tetrachloroethene	0.73 J	1.0	ug/L	SW846 8260B
Trichloroethene	1.6	1.0	ug/L	SW846 8260B
MW510A/070904 07/09/04 09:45 009				
Benzene	0.60 J	1.0	ug/L	SW846 8260B
Chlorobenzene	1.0	1.0	ug/L	SW846 8260B
Chloroform	0.56 J	1.0	ug/L	SW846 8260B
Chloromethane	0.27 J	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	0.49 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	12	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	1.0	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	13	2.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4G100202

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW510A/070904 07/09/04 09:45 009				
1,4-Dioxane	1700	50	ug/L	SW846 8260B
Toluene	0.48 J	1.0	ug/L	SW846 8260B
Vinyl chloride	15	1.0	ug/L	SW846 8260B
MW510B/070904 07/09/04 09:45 010				
Acetone	1.6 J	10	ug/L	SW846 8260B
Carbon disulfide	0.45 J	1.0	ug/L	SW846 8260B
Chloroform	0.37 J	1.0	ug/L	SW846 8260B
Dibromomethane	0.21 J	1.0	ug/L	SW846 8260B
1,4-Dioxane	140	50	ug/L	SW846 8260B
MW508/070904 07/09/04 10:29 011				
Acetone	1.4 J	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	2.6	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	0.21 J	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	2.8	2.0	ug/L	SW846 8260B
1,4-Dioxane	1100	50	ug/L	SW846 8260B
MW508B/070904 07/09/04 10:42 012				
Acetone	2.6 J	10	ug/L	SW846 8260B
Chloroform	0.26 J	1.0	ug/L	SW846 8260B
Dibromomethane	0.29 J	1.0	ug/L	SW846 8260B
1,4-Dioxane	250	50	ug/L	SW846 8260B
Toluene	0.35 J	1.0	ug/L	SW846 8260B
Vinyl chloride	0.83 J	1.0	ug/L	SW846 8260B
MW506/070904 07/09/04 11:17 013				
Acetone	1.3 J	10	ug/L	SW846 8260B
DW001/070904 07/09/04 12:05 014				
Acetone	11	10	ug/L	SW846 8260B
Carbon disulfide	1.5	1.0	ug/L	SW846 8260B
Chloroform	0.24 J	1.0	ug/L	SW846 8260B
Toluene	0.29 J	1.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4G100202

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
DW002/070904 07/09/04 12:05 015				
Acetone	6.5 J	10	ug/L	SW846 8260B
Carbon disulfide	0.71 J	1.0	ug/L	SW846 8260B
Toluene	0.21 J	1.0	ug/L	SW846 8260B
DW003/070904 07/09/04 12:35 016				
Acetone	12	10	ug/L	SW846 8260B
2-Butanone	1.1 J	10	ug/L	SW846 8260B
Carbon disulfide	1.1	1.0	ug/L	SW846 8260B
Chloroform	0.50 J	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	0.57 J	1.0	ug/L	SW846 8260B
Methylene chloride	0.48 J	1.0	ug/L	SW846 8260B
DW004/070904 07/09/04 12:39 017				
2-Butanone	0.92 J	10	ug/L	SW846 8260B
Carbon disulfide	1.3	1.0	ug/L	SW846 8260B
Chloroform	0.23 J	1.0	ug/L	SW846 8260B
FB001/070904 07/09/04 12:40 018				
Acetone	6.8 J	10	ug/L	SW846 8260B
Benzene	0.32 J	1.0	ug/L	SW846 8260B
2-Butanone	12	10	ug/L	SW846 8260B
Chloromethane	0.16 J	1.0	ug/L	SW846 8260B
Toluene	0.84 J	1.0	ug/L	SW846 8260B
Xylenes (total)	0.58 J	2.0	ug/L	SW846 8260B
TRIP BLANK 07/09/04 019				
Acetone	1.4 J	10	ug/L	SW846 8260B

SEVERN TRENT STL

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A4G100202

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

A4G100202

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GKVPM	001	DUP001/070804	07/08/04	
GKVPQ	002	MW507/070804	07/08/04	11:56
GKVPT	003	MW507B/070804	07/08/04	12:35
GKVPX	004	MW509B/070804	07/08/04	13:10
GKVP1	005	MW509A/070804	07/08/04	13:33
GKVP2	006	MW505A/070804	07/08/04	14:20
GKVP4	007	MW505B/070804	07/08/04	14:48
GKVP5	008	MW504/070804	07/08/04	15:40
GKVP6	009	MW510A/070904	07/09/04	09:45
GKVP9	010	MW510B/070904	07/09/04	09:45
GKVQC	011	MW508/070904	07/09/04	10:29
GKVQE	012	MW508B/070904	07/09/04	10:42
GKVQG	013	MW506/070904	07/09/04	11:17
GKVQR	014	DW001/070904	07/09/04	12:05
GKVQW	015	DW002/070904	07/09/04	12:05
GKVQ0	016	DW003/070904	07/09/04	12:35
GKVQ2	017	DW004/070904	07/09/04	12:39
GKVQ3	018	FB001/070904	07/09/04	12:40
GKVQ5	019	TRIP BLANK	07/09/04	

NOTE(S):

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

SEVERN TRENT STL

SHIPPING AND RECEIVING DOCUMENTS

Chain of Custody Record

STL-4124 (0901)

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

17

Client: The Payne Firm	Project Manager: Angela Hurley / Dan Weed	Date: 7/9/04	Chain of Custody Number: 163653
Address: 11231 Cornell Park Drive	Telephone Number (Area Code)/Fax Number: 513-489-2255 / 513-489-2533	Lab Number:	Page 1 of 2
City: Cincinnati; State: OH; Zip Code: 45242	Site Contact:	Lab Contact: Roger Tom	
Project Name and Location (State): EMD Chemical	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 100.58.19			

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 (Attach list if more space is needed): 8260B *	Special Instructions/ Conditions of Receipt
DUP001/070804	7/8/04	—		X							3				X	* Appendix IX includes MS/MSD sample
MW507/070804	7/8/04	1156		X							6				X	
MW507B/070804	7/8/04	1235		X							3				X	
MW509D/070804	7/8/04	1310		X							3				X	Results to Angela Hurley
MW504A/070804	7/8/04	1333		X							3				X	
MW505A/070804	7/8/04	1420		X							3				X	
MW505B/070804	7/8/04	1448		X							3				X	
MW511/070804	7/8/04	1540		X							3				X	
MW510A/070904	7/9/04	0945		X							3				X	
MW510B/070904	7/9/04	0945		X							3				X	
MW508/070904	7/9/04	1029		X							3				X	
MW508B/070904	7/9/04	1042		X							3				X	

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

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

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

QC Requirements (Specify): level 4

	Date	Time		Date	Time
1. Relinquished By: [signature]	7/9/04	1630	1. Received By: [signature]	7/9/04	1630
2. Relinquished By: [signature]	7/9/04	1700	2. Received By: [signature]	7/10/04	845
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

Chain of Custody Record

STL-4124 (0901)

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

Client: The Payne Firm	Project Manager: Angela Harley / Dan Weed	Date: 7/9/04	Chain of Custody Number: 163652
Address: 11231 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: ~~Roger Toth~~	Lab Contact: Roger Toth	
Project Name and Location (State): EMD Chemical OH	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 100.58.19			

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 (Attach list if more space is needed): 8260B*	Special Instructions/ Conditions of Receipt
MW506/070904	7/9/04	1117		X						3			X	* Appendix IX
DW001/070904	7/9/04	1205		X						3			X	
DW002/070904	7/9/04	1205		X						3			X	Results to
DW003/070904	7/9/04	1235		X						3			X	Angela Harley
DW004/070904	7/9/04	1239		X						3			X	
FB001/070904	7/9/04	1240		X						3			X	
Trip Blank														

Mara Hansen

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

	Date	Time		Date	Time
1. Relinquished By: Mara Hansen	7/9/04	1630	1. Received By: [signature]	1630	7/9/04
2. Relinquished By: [signature]	7/9/04	1700	2. Received By: Anne Sanders	7/10/04	845
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

Client: 5670

Lot #: A4G100202

Case Number/SDG: 100.58.19

Storage Location: MS

Severn Trent Laboratories, Inc.
Sample Control Record

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
GKVPM	SANDERSA	7/10/04	Yes		Storage	
GKVPQ	SANDERSA	7/10/04	Yes		Storage	
GKVPT	SANDERSA	7/10/04	Yes		Storage	
GKVPX	SANDERSA	7/10/04	Yes		Storage	
GKVP1	SANDERSA	7/10/04	Yes		Storage	
GKVP2	SANDERSA	7/10/04	Yes		Storage	
GKVP4	SANDERSA	7/10/04	Yes		Storage	
GKVP5	SANDERSA	7/10/04	Yes		Storage	
GKVP6	SANDERSA	7/10/04	Yes		Storage	
GKVP9	SANDERSA	7/10/04	Yes		Storage	
GKVQC	SANDERSA	7/10/04	Yes		Storage	
GKVQE	SANDERSA	7/10/04	Yes		Storage	
GKVQG	SANDERSA	7/10/04	Yes		Storage	
GKVQR	SANDERSA	7/10/04	Yes		Storage	
GKVQW	SANDERSA	7/10/04	Yes		Storage	
GKVQ0	SANDERSA	7/10/04	Yes		Storage	
GKVQ2	SANDERSA	7/10/04	Yes		Storage	
GKVQ3	SANDERSA	7/10/04	Yes		Storage	
GKVQ5	SANDERSA	7/10/04	Yes		Storage	

STL Cooler Receipt Form/Narrative Lot Number: A4G100202
North Canton Facility

Client: The Payne Firm Project: Quote#:
Cooler Received on: 7/10/04 Opened on: 7/10/04 by: Anne Sanders (Signature)

Fedx ☐ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ Other: US Cargo
STL Cooler No# K110 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 1.6 °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 PKT Date: 7-10-04 by: AMS via Voice Mail ☑ Verbal ☐ Other ☐
Concerning: See BELOW

√

1. CHAIN OF CUSTODY

The following discrepancies occurred:
4x40 Trip blank Not marked for tests on COC, will log for Ap IX VOC.

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 #122603-HNO3; Sulfuric Acid Lot # 011-504-H2SO4; Sodium Hydroxide Lot # 111401-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)

Client ID	pH	Date	Initials

STL North Canton
SOP: NC-SC-0005, Sample Receiving
N:\QAQC\NARRATIV\STL\Cooler Receipt STL\COOLER_STL_Rev39 061104.doc 20

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp	Method	Coolant

Discrepancies Cont.

Macro Name:

Macro Name:

Macro Name:

Other Anomalies:

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:

Lot #: A4G100202

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	INTRA-LAB QC	87	83	91	86	00
02	DUP001/070804	92	93	88	81	00
03	MW507/070804	107	103	86	77	00
04	MW507B/070804	92	85	92	87	00
05	MW509B/070804	105	99	84	76	00
06	MW509A/070804	109	105	85	79	00
07	MW505A/070804	105	99	90	79	00
08	MW505B/070804	106	100	90	77	00
09	MW504/070804	108	102	85	75	00
10	MW510A/070904	90	90	88	82	00
11	MW510B/070904	91	90	89	83	00
12	MW508/070904	92	91	91	82	00
13	MW508B/070904	91	90	91	84	00
14	MW506/070904	95	93	92	84	00
15	DW001/070904	93	89	89	81	00
16	DW002/070904	92	91	90	82	00
17	DW003/070904	90	89	89	79	00
18	DW004/070904	92	90	91	85	00
19	FB001/070904	91	90	89	81	00
20	TRIP BLANK	95	93	92	84	00
21	INTRA-LAB QC	95	95	91	81	00
22	INTRA-LAB QC	95	94	91	84	00
23	METHOD BLK. GK7RM1AA	88	84	89	85	00
24	METHOD BLK. GLD9E1AA	89	86	90	84	00
25	METHOD BLK. GLD9H1AA	91	89	89	82	00
26	METHOD BLK. GLERC1AA	105	98	86	79	00
27	METHOD BLK. GLHGE1AA	94	93	91	83	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:

Lot #: A4G100202

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	LCS GK7RM1AC	90	90	93	89	00
02	LCS GLD9E1AC	93	94	92	87	00
03	LCS GLD9H1AC	94	98	94	89	00
04	LCS GLERC1AC	100	94	91	92	00
05	LCS GLHGE1AC	95	99	96	89	00
06	LAB MS/MSD D	88	88	89	85	00
07	MW507/070804 D	103	102	92	95	00
08	LAB MS/MSD D	93	98	91	84	00
09	LAB MS/MSD D	94	98	91	84	00
10	LCSD GK7RM1AD	88	88	91	86	00
11	LCSD GLD9E1AD	89	94	90	85	00
12	LCSD GLD9H1AD	91	94	91	86	00
13	LCSD GLERC1AD	100	94	90	93	00
14	LCSD GLHGE1AD	91	95	91	84	00
15	LAB MS/MSD S	89	88	91	86	00
16	MW507/070804 S	101	94	89	91	00
17	LAB MS/MSD S	92	96	91	85	00
18	LAB MS/MSD S	97	98	93	85	00

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

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

FORM II

SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No:

Lot #: A4G160000 WO #: GK7RM1AC
BATCH: 4198123

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.1	91	63- 130	
Trichloroethene	10	8.6	86	75- 122	
Benzene	10	8.4	84	80- 116	
Toluene	10	8.5	85	74- 119	
Chlorobenzene	10	8.6	86	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 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:

Lot #: A4G160000 WO #: GK7RM1AD

BATCH: 4198123

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	100	63- 130	
Trichloroethene	10	9.2	92	75- 122	
Benzene	10	9.4	94	80- 116	
Toluene	10	9.4	94	74- 119	
Chlorobenzene	10	9.5	95	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 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:

Lot #: A4G200000 WO #: GLD9E1AC

BATCH: 4202119

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	103	63- 130	
Trichloroethene	10	9.9	99	75- 122	
Benzene	10	9.7	97	80- 116	
Toluene	10	9.5	95	74- 119	
Chlorobenzene	10	9.5	95	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 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:

Lot #: A4G200000 WO #: GLD9E1AD

BATCH: 4202119

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.9	99	63- 130	
Trichloroethene	10	9.7	97	75- 122	
Benzene	10	9.4	94	80- 116	
Toluene	10	9.2	92	74- 119	
Chlorobenzene	10	9.2	92	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 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:

Lot #: A4G200000 WO #: GLD9H1AC

BATCH: 4202123

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	104	63- 130	
Trichloroethene	10	10	101	75- 122	
Benzene	10	9.7	97	80- 116	
Toluene	10	9.8	98	74- 119	
Chlorobenzene	10	9.8	98	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 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:

Lot #: A4G200000 WO #: GLD9H1AD

BATCH: 4202123

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.9	99	63- 130	
Trichloroethene	10	9.6	96	75- 122	
Benzene	10	9.3	93	80- 116	
Toluene	10	9.5	95	74- 119	
Chlorobenzene	10	9.6	96	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 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:

Lot #: A4G210000 WO #: GLHGE1AC
BATCH: 4203254

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	103	63- 130	
Trichloroethene	10	9.9	99	75- 122	
Benzene	10	9.8	98	80- 116	
Toluene	10	10	100	74- 119	
Chlorobenzene	10	10	100	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 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:

Lot #: A4G210000 WO #: GLHGE1AD
BATCH: 4203254

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	104	63- 130	
Trichloroethene	10	9.6	96	75- 122	
Benzene	10	9.6	96	80- 116	
Toluene	10	9.4	94	74- 119	
Chlorobenzene	10	9.4	94	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 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:

Lot #: A4G200000 WO #: GLERC1AC
BATCH: 4202226

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	11	108	63- 130	
Trichloroethene	10	10	101	75- 122	
Benzene	10	10	102	80- 116	
Toluene	10	9.9	99	74- 119	
Chlorobenzene	10	9.9	99	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 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:

Lot #: A4G200000 WO #: GLERC1AD

BATCH: 4202226

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	11	107	63- 130	
Trichloroethene	10	10	102	75- 122	
Benzene	10	10	104	80- 116	
Toluene	10	9.9	99	74- 119	
Chlorobenzene	10	9.9	99	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 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:

Matrix Spike ID: LAB MS/MSD

Lot #: A4G080104 WO #: GKMVT1AC
BATCH: 4198123

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	71	ND	65	91	62- 130	
Trichloroethene	71	200	260	85	62- 130	
Benzene	71	ND	62	87	78- 118	
Toluene	71	ND	61	85	70- 119	
Chlorobenzene	71	ND	62	86	76- 117	

NOTES(S):

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: 0 out of 5 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:

Matrix Spike ID: LAB MS/MSD

Lot #: A4G080104 WO #: GKMVT1AD
BATCH: 4198123

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	71	67	94	2.6	20	62- 130	
Trichloroethene	71	260	84	0.19	20	62- 130	
Benzene	71	63	88	2.2	20	78- 118	
Toluene	71	62	86	1.6	20	70- 119	
Chlorobenzene	71	62	87	0.76	20	76- 117	

NOTES(S):

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

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 5 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:

Matrix Spike ID: MW507/070804

Lot #: A4G100202 WO #: GKVPQ1AC
BATCH: 4202226

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	10	ND	11	109	62- 130	
Trichloroethene	10	ND	9.7	97	62- 130	
Benzene	10	ND	10	100	78- 118	
Toluene	10	ND	9.7	97	70- 119	
Chlorobenzene	10	ND	9.4	94	76- 117	

NOTES(S):

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: 0 out of 5 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:

Matrix Spike ID: MW507/070804

Lot #: A4G100202 WO #: GKVPQ1AD
BATCH: 4202226

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	11	111	2.0	20	62 - 130	
Trichloroethene	10	10	101	3.6	20	62 - 130	
Benzene	10	10	100	0.29	20	78 - 118	
Toluene	10	9.8	98	0.64	20	70 - 119	
Chlorobenzene	10	9.6	96	2.0	20	76 - 117	

NOTES(S):

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

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 5 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:

Matrix Spike ID: LAB MS/MSD

Lot #: A4G100208 WO #: GKVR21A9
BATCH: 4203254

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	100	ND	95	95	62 - 130	
Trichloroethene	100	ND	86	86	62 - 130	
Benzene	100	ND	86	86	78 - 118	
Toluene	100	ND	86	86	70 - 119	
Chlorobenzene	100	ND	86	86	76 - 117	

NOTES(S):

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: 0 out of 5 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:

Matrix Spike ID: LAB MS/MSD

Lot #: A4G100208 WO #: GKVR21CA
BATCH: 4203254

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	100	97	97	2.2	20	62 - 130	
Trichloroethene	100	89	89	3.8	20	62 - 130	
Benzene	100	88	88	1.8	20	78 - 118	
Toluene	100	87	87	1.6	20	70 - 119	
Chlorobenzene	100	87	87	1.3	20	76 - 117	

NOTES(S):

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

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 5 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:

Matrix Spike ID: LAB MS/MSD

Lot #: A4G100208 WO #: GKVR31CR
BATCH: 4202123

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	10	ND	9.5	95	62- 130	
Trichloroethene	10	ND	9.1	91	62- 130	
Benzene	10	ND	9.0	90	78- 118	
Toluene	10	ND	8.8	88	70- 119	
Chlorobenzene	10	ND	8.8	88	76- 117	

NOTES(S):

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: 0 out of 5 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:

Matrix Spike ID: LAB MS/MSD

Lot #: A4G100208 WO #: GKVR31CT
BATCH: 4202123

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.4	94	1.7	20	62 - 130	
Trichloroethene	10	9.0	90	0.92	20	62 - 130	
Benzene	10	8.9	89	1.2	20	78 - 118	
Toluene	10	8.8	88	0.22	20	70 - 119	
Chlorobenzene	10	8.7	87	0.44	20	76 - 117	

NOTES(S):

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

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.

GK7RM1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UX77670.D

Lot Number: A4G100202

Date Analyzed: 07/15/04

Time Analyzed: 17:25

Matrix: WATER

Date Extracted:07/15/04

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX7

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	INTRA-LAB QC	GKMVT1AA	UX77689.D	07/16/04	01:09
02	LAB MS/MSD	GKMVT1AC S	UX77690.D	07/16/04	01:32
03	LAB MS/MSD	GKMVT1AD D	UX77691.D	07/16/04	01:56
04	MW507B/070804	GKVPT1AA	UX77672.D	07/15/04	18:12
05	CHECK SAMPLE	GK7RM1AC C	UX77668.D	07/15/04	16:39
06	DUPLICATE CHECK	GK7RM1AD L	UX77669.D	07/15/04	17:02
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COMMENTS:

FORM IV

BLANK WORKORDER NO.

GLD9E1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UX77780.D

Lot Number: A4G100202

Date Analyzed: 07/19/04

Time Analyzed: 10:07

Matrix: WATER

Date Extracted:07/19/04

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	MW510A/070904	GKVP61AA	UX77799.D	07/19/04	17:33
02	MW510B/070904	GKVP91AA	UX77800.D	07/19/04	17:56
03	MW508/070904	GKVQC1AA	UX77801.D	07/19/04	18:19
04	MW508B/070904	GKVQE1AA	UX77802.D	07/19/04	18:42
05	CHECK SAMPLE	GLD9E1AC C	UX77778.D	07/19/04	09:19
06	DUPLICATE CHECK	GLD9E1AD L	UX77779.D	07/19/04	09:43
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COMMENTS:

FORM IV

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.

GLD9H1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UX77807.D

Lot Number: A4G100202

Date Analyzed: 07/19/04

Time Analyzed: 21:06

Matrix: WATER

Date Extracted: 07/19/04

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	MW506/070904	GKVQG1AA	UX77808.D	07/19/04	21:30
02	DW001/070904	GKVQR1AA	UX77809.D	07/19/04	21:54
03	DW002/070904	GKVQW1AA	UX77810.D	07/19/04	22:17
04	DW003/070904	GKVQ01AA	UX77811.D	07/19/04	22:40
05	DW004/070904	GKVQ21AA	UX77812.D	07/19/04	23:04
06	FB001/070904	GKVQ31AA	UX77813.D	07/19/04	23:27
07	TRIP BLANK	GKVQ51AA	UX77814.D	07/19/04	23:51
08	INTRA-LAB QC	GKVR31AA	UX77816.D	07/20/04	00:38
09	LAB MS/MSD	GKVR31CR S	UX77817.D	07/20/04	01:02
10	LAB MS/MSD	GKVR31CT D	UX77818.D	07/20/04	01:25
11	CHECK SAMPLE	GLD9H1AC C	UX77805.D	07/19/04	20:19
12	DUPLICATE CHECK	GLD9H1AD L	UX77806.D	07/19/04	20:43
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COMMENTS:

FORM IV

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.

GLHGE1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UX77892.D

Lot Number: A4G100202

Date Analyzed: 07/21/04

Time Analyzed: 10:43

Matrix: WATER

Date Extracted:07/21/04

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	DUP001/070804	GKVPM1AA	UX77898.D	07/21/04	13:13
02	INTRA-LAB QC	GKVR21AA	UX77899.D	07/21/04	13:36
03	LAB MS/MSD	GKVR21A9 S	UX77908.D	07/21/04	17:27
04	LAB MS/MSD	GKVR21CA D	UX77909.D	07/21/04	17:50
05	CHECK SAMPLE	GLHGE1AC C	UX77890.D	07/21/04	09:55
06	DUPLICATE CHECK	GLHGE1AD L	UX77891.D	07/21/04	10:19
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COMMENTS:

FORM IV

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.

GLERC1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UXJ22413.

Lot Number: A4G100202

Date Analyzed: 07/19/04

Time Analyzed: 10:51

Matrix: WATER

Date Extracted:07/19/04

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX11

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	MW507/070804	GKVPQ1AA	UXJ22419.	07/19/04	13:08
02	MW507/070804	GKVPQ1AC S	UXJ22420.	07/19/04	13:31
03	MW507/070804	GKVPQ1AD D	UXJ22421.	07/19/04	13:54
04	MW509B/070804	GKVPX1AA	UXJ22422.	07/19/04	14:17
05	MW509A/070804	GKVP11AA	UXJ22423.	07/19/04	14:40
06	MW505A/070804	GKVP21AA	UXJ22418.	07/19/04	12:45
07	MW505B/070804	GKVP41AA	UXJ22436.	07/19/04	19:35
08	MW504/070804	GKVP51AA	UXJ22425.	07/19/04	15:25
09	CHECK SAMPLE	GLERC1AC C	UXJ22411.	07/19/04	10:06
10	DUPLICATE CHECK	GLERC1AD L	UXJ22412.	07/19/04	10:29
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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.: A4G100202

Lab File ID: BFB327 BFB Injection Date: 07/15/04

Instrument ID: A3UX7 BFB Injection Time: 0854

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	20.0
75	30.0 - 60.0% of mass 95	48.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	61.6
175	5.0 - 9.0% of mass 174	4.5 (7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	60.0 (97.4)1
177	5.0 - 9.0% of mass 176	3.8 (6.3)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	5.0NG8260CAL	UX77653	07/15/04	0920
02	VSTD002	10NG8260CAL	UX77654	07/15/04	0943
03	VSTD005	25NG8260CAL	UX77655	07/15/04	1007
04	VSTD010	50NG8260CAL	UX77656	07/15/04	1030
05	VSTD020	100NG8260CAL	UX77657	07/15/04	1053
06	VSTD040	200NG8260CAL	UX77658	07/15/04	1116
07	VSTD001	5.0NGA9CAL	UX77660	07/15/04	1234
08	VSTD002	10NGA9CAL	UX77661	07/15/04	1258
09	VSTD005	25NGA9CAL	UX77662	07/15/04	1321
10	VSTD010	50NGA9CAL	UX77663	07/15/04	1409
11	VSTD020	100NGA9CAL	UX77664	07/15/04	1433
12	VSTD040	200NGA9CAL	UX77665	07/15/04	1456
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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.: A4G100202

Lab File ID: BFB328 BFB Injection Date: 07/15/04

Instrument ID: A3UX7 BFB Injection Time: 1529

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	20.0
75	30.0 - 60.0% of mass 95	48.8
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 (0.6)1
174	50.0 - 100.0% of mass 95	61.1
175	5.0 - 9.0% of mass 174	4.1 (6.7)1
176	Greater than 95.0%, but less than 101.0% of mass 174	58.2 (95.3)1
177	5.0 - 9.0% of mass 176	3.8 (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	50NGA9-CC	UX77666	07/15/04	1552
02	VSTD010	50NG-CC	UX77667	07/15/04	1615
03	GK7RM-CHK	GK7RM1AC	UX77668	07/15/04	1639
04	GK7RM-CKDUP	GK7RM1AD	UX77669	07/15/04	1702
05	GK7RM-BLK	GK7RM1AA	UX77670	07/15/04	1725
06	MW507B/07080	GKVPT1AA	UX77672	07/15/04	1812
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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.: A4G100202

Lab File ID: BFB332 BFB Injection Date: 07/19/04

Instrument ID: A3UX7 BFB Injection Time: 0712

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	22.2
75	30.0 - 60.0% of mass 95	51.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.3 (0.6)1
174	50.0 - 100.0% of mass 95	55.3
175	5.0 - 9.0% of mass 174	3.7 (6.8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	52.5 (95.0)1
177	5.0 - 9.0% of mass 176	3.5 (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	50NGA9-CC	UX77775	07/19/04	0739
02	VSTD010	50NG-CC	UX77777	07/19/04	0856
03	GLD9E-CHK	GLD9E1AC	UX77778	07/19/04	0919
04	GLD9E-CKDUP	GLD9E1AD	UX77779	07/19/04	0943
05	GLD9E-BLK	GLD9E1AA	UX77780	07/19/04	1007
06	MW510A/07090	GKVP61AA	UX77799	07/19/04	1733
07	MW510B/07090	GKVP91AA	UX77800	07/19/04	1756
08	MW508/070904	GKVQC1AA	UX77801	07/19/04	1819
09	MW508B/07090	GKVQE1AA	UX77802	07/19/04	1842
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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.: A4G100202

Lab File ID: BFB333 BFB Injection Date: 07/19/04

Instrument ID: A3UX7 BFB Injection Time: 1908

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	20.6
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.2 (0.4)1
174	50.0 - 100.0% of mass 95	59.4
175	5.0 - 9.0% of mass 174	4.3 (7.3)1
176	Greater than 95.0%, but less than 101.0% of mass 174	58.2 (98.0)1
177	5.0 - 9.0% of mass 176	4.0 (6.9)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NGA9-CC	UX77803	07/19/04	1932
02	VSTD010	50NG-CC	UX77804	07/19/04	1956
03	GLD9H-CHK	GLD9H1AC	UX77805	07/19/04	2019
04	GLD9H-CKDUP	GLD9H1AD	UX77806	07/19/04	2043
05	GLD9H-BLK	GLD9H1AA	UX77807	07/19/04	2106
06	MW506/070904	GKVQG1AA	UX77808	07/19/04	2130
07	DW001/070904	GKVQR1AA	UX77809	07/19/04	2154
08	DW002/070904	GKVQW1AA	UX77810	07/19/04	2217
09	DW003/070904	GKVQ01AA	UX77811	07/19/04	2240
10	DW004/070904	GKVQ21AA	UX77812	07/19/04	2304
11	FB001/070904	GKVQ31AA	UX77813	07/19/04	2327
12	TRIP BLANK	GKVQ51AA	UX77814	07/19/04	2351
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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.: A4G100202

Lab File ID: BFB336 BFB Injection Date: 07/21/04

Instrument ID: A3UX7 BFB Injection Time: 0841

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	21.3
75	30.0 - 60.0% of mass 95	50.9
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	0.4 (0.7)1
174	50.0 - 100.0% of mass 95	64.5
175	5.0 - 9.0% of mass 174	4.5 (7.0)1
176	Greater than 95.0%, but less than 101.0% of mass 174	63.6 (98.6)1
177	5.0 - 9.0% of mass 176	4.3 (6.7)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	50NGA9-CC	UX77888	07/21/04	0908
02	VSTD010	50NG-CC	UX77889	07/21/04	0932
03	GLHGE-CHK	GLHGE1AC	UX77890	07/21/04	0955
04	GLHGE-CKDUP	GLHGE1AD	UX77891	07/21/04	1019
05	GLHGE-BLK	GLHGE1AA	UX77892	07/21/04	1043
06	DUP001/07080	GKVPM1AA	UX77898	07/21/04	1313
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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.: A4G100202

Lab File ID: BFB161 BFB Injection Date: 07/01/04

Instrument ID: A3UX11 BFB Injection Time: 0907

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	17.5
75	30.0 - 60.0% of mass 95	47.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.4 (0.6)1
174	50.0 - 100.0% of mass 95	70.9
175	5.0 - 9.0% of mass 174	5.1 (7.2)1
176	Greater than 95.0%, but less than 101.0% of mass 174	69.0 (97.2)1
177	5.0 - 9.0% of mass 176	4.6 (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	VSTD040	200NG-A9IC	UXJ21959	07/01/04	1305
02	VSTD020	100NG-A9IC	UXJ21960	07/01/04	1328
03	VSTD010	50NG-A9IC	UXJ21961	07/01/04	1351
04	VSTD005	25NG-A9IC	UXJ21962	07/01/04	1413
05	VSTD002	10NG-A9IC	UXJ21963	07/01/04	1436
06	VSTD001	5NG-A9IC	UXJ21964	07/01/04	1458
07	VSTD040	200NG-IC	UXJ21965	07/01/04	1521
08	VSTD020	100NG-IC	UXJ21966	07/01/04	1544
09	VSTD010	50NG-IC	UXJ21967	07/01/04	1607
10	VSTD005	25NG-IC	UXJ21968	07/01/04	1629
11	VSTD002	10NG-IC	UXJ21969	07/01/04	1652
12	VSTD001	5NG-IC	UXJ21970	07/01/04	1715
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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.: A4G100202

Lab File ID: BFB177 BFB Injection Date: 07/19/04

Instrument ID: A3UX11 BFB Injection Time: 0903

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	17.0
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.6)1
174	50.0 - 100.0% of mass 95	77.2
175	5.0 - 9.0% of mass 174	5.2 (6.7)1
176	Greater than 95.0%, but less than 101.0% of mass 174	73.9 (95.8)1
177	5.0 - 9.0% of mass 176	4.9 (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	UXJ22409	07/19/04	0921
02	VSTD010	50NG-A9CC	UXJ22410	07/19/04	0944
03	GLERC-CHK	GLERC1AC	UXJ22411	07/19/04	1006
04	GLERC-CKDUP	GLERC1AD	UXJ22412	07/19/04	1029
05	GLERC-BLK	GLERC1AA	UXJ22413	07/19/04	1051
06	MW505A/07080	GKVP21AA	UXJ22418	07/19/04	1245
07	MW507/070804	GKVPQ1AA	UXJ22419	07/19/04	1308
08	MW507/070804	GKVPQ1AC	UXJ22420	07/19/04	1331
09	MW507/070804	GKVPQ1AD	UXJ22421	07/19/04	1354
10	MW509B/07080	GKVPX1AA	UXJ22422	07/19/04	1417
11	MW509A/07080	GKVP11AA	UXJ22423	07/19/04	1440
12	MW504/070804	GKVP51AA	UXJ22425	07/19/04	1525
13	MW505B/07080	GKVP41AA	UXJ22436	07/19/04	1935
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page 1 of 1

FORM V VOA 1/87 Rev.

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A4G100202

Lab File ID (Standard): UX77667 Date Analyzed: 07/15/04

Instrument ID: A3UX7 Time Analyzed: 1615

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	1004382	7.57	1485417	4.95	440246	9.79
	UPPER LIMIT	2008764	8.07	2970834	5.45	880492	10.29
	LOWER LIMIT	502191	7.07	742709	4.45	220123	9.29
	EPA SAMPLE NO.						
01	GK7RM-CHK	967066	7.57	1417209	4.95	414720	9.79
02	GK7RM-CKDUP	994286	7.57	1461523	4.95	427790	9.79
03	GK7RM-BLK	1003651	7.57	1464504	4.95	431189	9.79
04	MW507B/07080	976962	7.57	1424281	4.96	420448	9.80
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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.

page 1 of 1

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.: A4G100202

Lab File ID (Standard): UX77777 Date Analyzed: 07/19/04

Instrument ID: A3UX7 Time Analyzed: 0856

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	908442	7.57	1333038	4.94	396010	9.79
	UPPER LIMIT	1816884	8.07	2666076	5.44	792020	10.29
	LOWER LIMIT	454221	7.07	666519	4.44	198005	9.29
	EPA SAMPLE NO.						
01	GLD9E-CHK	892669	7.57	1278882	4.95	384107	9.79
02	GLD9E-CKDUP	908312	7.57	1302106	4.95	391720	9.79
03	GLD9E-BLK	896705	7.57	1301114	4.94	382307	9.80
04	MW510A/07090	877121	7.57	1258350	4.95	367344	9.79
05	MW510B/07090	852376	7.57	1224165	4.95	353448	9.79
06	MW508/070904	851569	7.57	1218476	4.96	365902	9.79
07	MW508B/07090	840248	7.57	1225590	4.95	357593	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.: A4G100202

Lab File ID (Standard): UX77804 Date Analyzed: 07/19/04

Instrument ID: A3UX7 Time Analyzed: 1956

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	818576	7.57	1191473	4.95	363999	9.79
	UPPER LIMIT	1637152	8.07	2382946	5.45	727998	10.29
	LOWER LIMIT	409288	7.07	595737	4.45	182000	9.29
	EPA SAMPLE NO.						
01	GLD9H-CHK	824867	7.57	1197176	4.95	357567	9.79
02	GLD9H-CKDUP	845274	7.57	1235618	4.95	373065	9.79
03	GLD9H-BLK	861696	7.57	1236100	4.95	359623	9.79
04	MW506/070904	831791	7.57	1183594	4.95	346129	9.79
05	DW001/070904	848223	7.57	1224876	4.94	358647	9.79
06	DW002/070904	838559	7.57	1195492	4.95	355022	9.79
07	DW003/070904	842228	7.57	1220841	4.94	358203	9.80
08	DW004/070904	828608	7.57	1200098	4.95	347333	9.79
09	FB001/070904	835822	7.57	1204513	4.95	352454	9.79
10	TRIP BLANK	806400	7.57	1173010	4.94	346141	9.80
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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.

page 1 of 1

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.: A4G100202

Lab File ID (Standard): UX77889 Date Analyzed: 07/21/04

Instrument ID: A3UX7 Time Analyzed: 0932

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	737776	7.57	1078669	4.95	322354	9.79
	UPPER LIMIT	1475552	8.07	2157338	5.45	644708	10.29
	LOWER LIMIT	368888	7.07	539335	4.45	161177	9.29
	EPA SAMPLE NO.						
01	GLHGE-CHK	715258	7.57	1052978	4.95	302270	9.79
02	GLHGE-CKDUP	755253	7.57	1076858	4.95	314362	9.79
03	GLHGE-BLK	724022	7.57	1042903	4.95	300604	9.79
04	DUP001/07080	737197	7.57	1048073	4.95	297535	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.: A4G100202

Lab File ID (Standard): UXJ22409 Date Analyzed: 07/19/04

Instrument ID: A3UX11 Time Analyzed: 0921

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	1456255	7.81	1837573	5.16	848715	10.05
	UPPER LIMIT	2912510	8.31	3675146	5.66	1697430	10.55
	LOWER LIMIT	728128	7.31	918787	4.66	424358	9.55
	EPA SAMPLE NO.						
01	GLERC-CHK	1458057	7.81	1824964	5.16	790849	10.05
02	GLERC-CKDUP	1461059	7.81	1817832	5.16	782346	10.05
03	GLERC-BLK	1384174	7.81	1729497	5.16	687404	10.05
04	MW505A/07080	1345229	7.81	1703284	5.16	667255	10.05
05	MW507/070804	1346233	7.81	1641129	5.16	659985	10.05
06	MW507/070804	1426434	7.81	1784871	5.16	767268	10.05
07	MW507/070804	1403917	7.81	1776068	5.16	771395	10.05
08	MW509B/07080	1440811	7.81	1701776	5.16	688888	10.05
09	MW509A/07080	1372906	7.81	1642726	5.16	667493	10.05
10	MW504/070804	1406697	7.81	1642786	5.16	679895	10.05
11	MW505B/07080	1306869	7.81	1618039	5.16	641553	10.05
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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.

SEVERN TRENT STL

SAMPLE DATA

PAYNE FIRM INC.

Client Sample ID: DUP001/070804

GC/MS Volatiles

Lot-Sample #...: A4G100202-001 **Work Order #...:** GKVPM1AA **Matrix.....:** WQ
Date Sampled...: 07/08/04 **Date Received..:** 07/10/04
Prep Date.....: 07/21/04 **Analysis Date..:** 07/21/04
Prep Batch #...: 4203254
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.2 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**1.1**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	**1.1 J**	**2.0**	**ug/L**
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	**94**	**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: DUP001/070804

GC/MS Volatiles

Lot-Sample #...: A4G100202-001 **Work Order #...:** GKVPM1AA **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	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

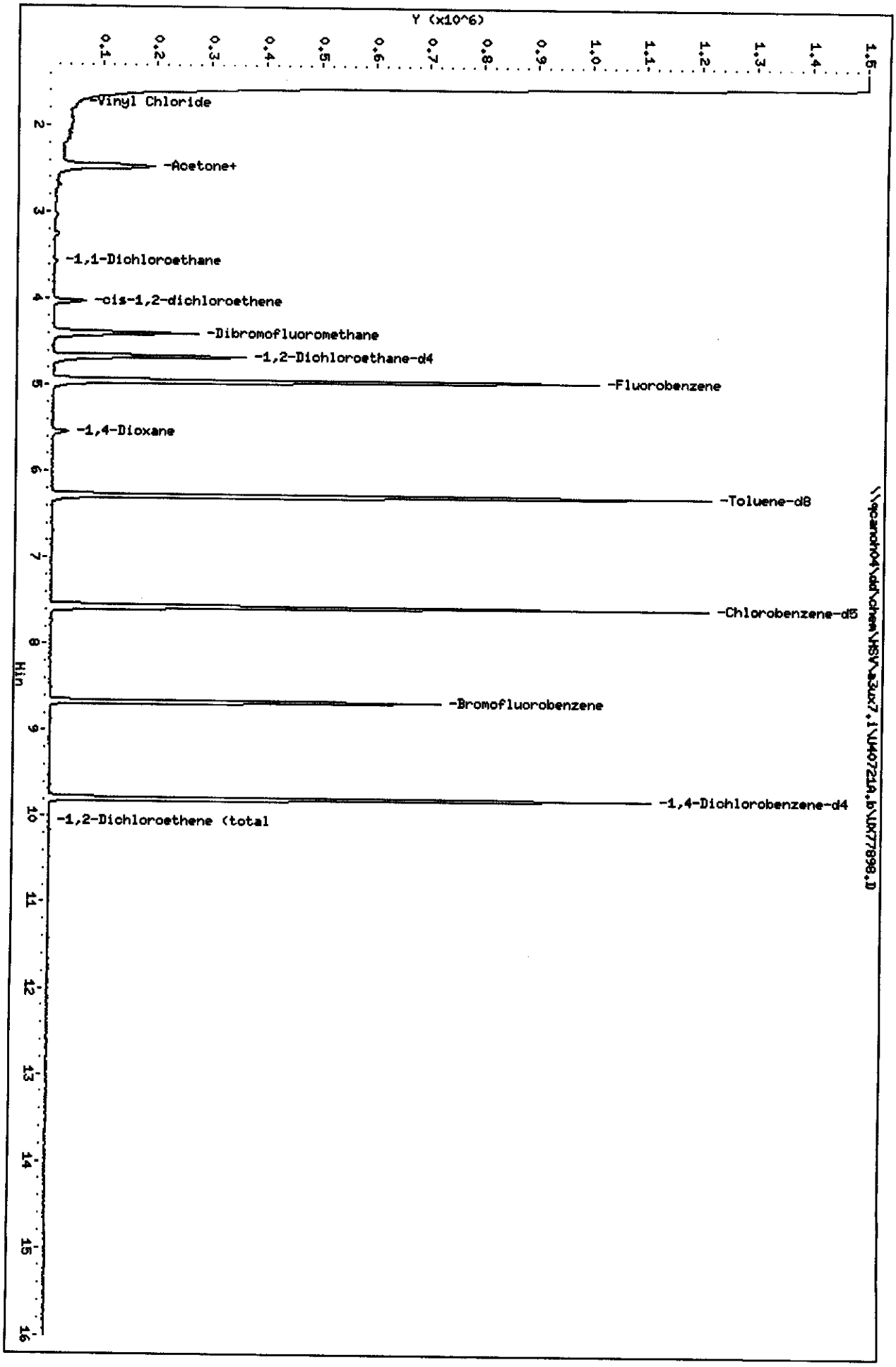
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
Toluene-d8	88	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40721A.b\UX77898.D
Date : 24-JUL-2004 13:13
Client ID: DUP001/070804
Sample Info: GXVPH10A,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\U40721A.b\UX77898.D
Report Date: 22-Jul-2004 09:52

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77898.D
Lab Smp Id: GKVPM1AA Client Smp ID: DUP001/070804
Inj Date : 21-JUL-2004 13:13
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GKVPM1AA,5ML/5ML
Misc Info : U40721A,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\N8260UX7-3.m
Meth Date : 22-Jul-2004 09:50 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 11
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	4.951	(1.000)	1048073	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.566	(1.000)	737197	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.791	(1.000)	297535	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.395	(0.888)	213102	46.1045	9.221
$ 5 1,2-Dichloroethane-d4	65	4.668	4.667	(0.943)	326542	46.4856	9.297
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	879562	44.0643	8.813
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	312209	40.5101	8.102
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.733	1.745	(0.350)	6872	0.94570	0.1891
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	2.680	(0.544)	15666	5.82742	1.165
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77898.D
Report Date: 22-Jul-2004 09:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.568	3.567	(0.720)	9773	0.86025	0.1720
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				33124	5.27843	1.056
	32 cis-1,2-dichloroethene	96	4.029	4.028	(0.814)	33124	5.27843	1.056
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.544	5.543	(1.119)	27130	468.956	93.791(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77898.D
Report Date: 22-Jul-2004 09:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.467	2.468	(0.498)	190965	37.9427	7.588
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77898.D

Date : 21-JUL-2004 13:13

Client ID: DUP001/070804

Instrument: a3ux7.i

Sample Info: GKVPM1AA,5ML/5ML

Purge Volume: 5.0

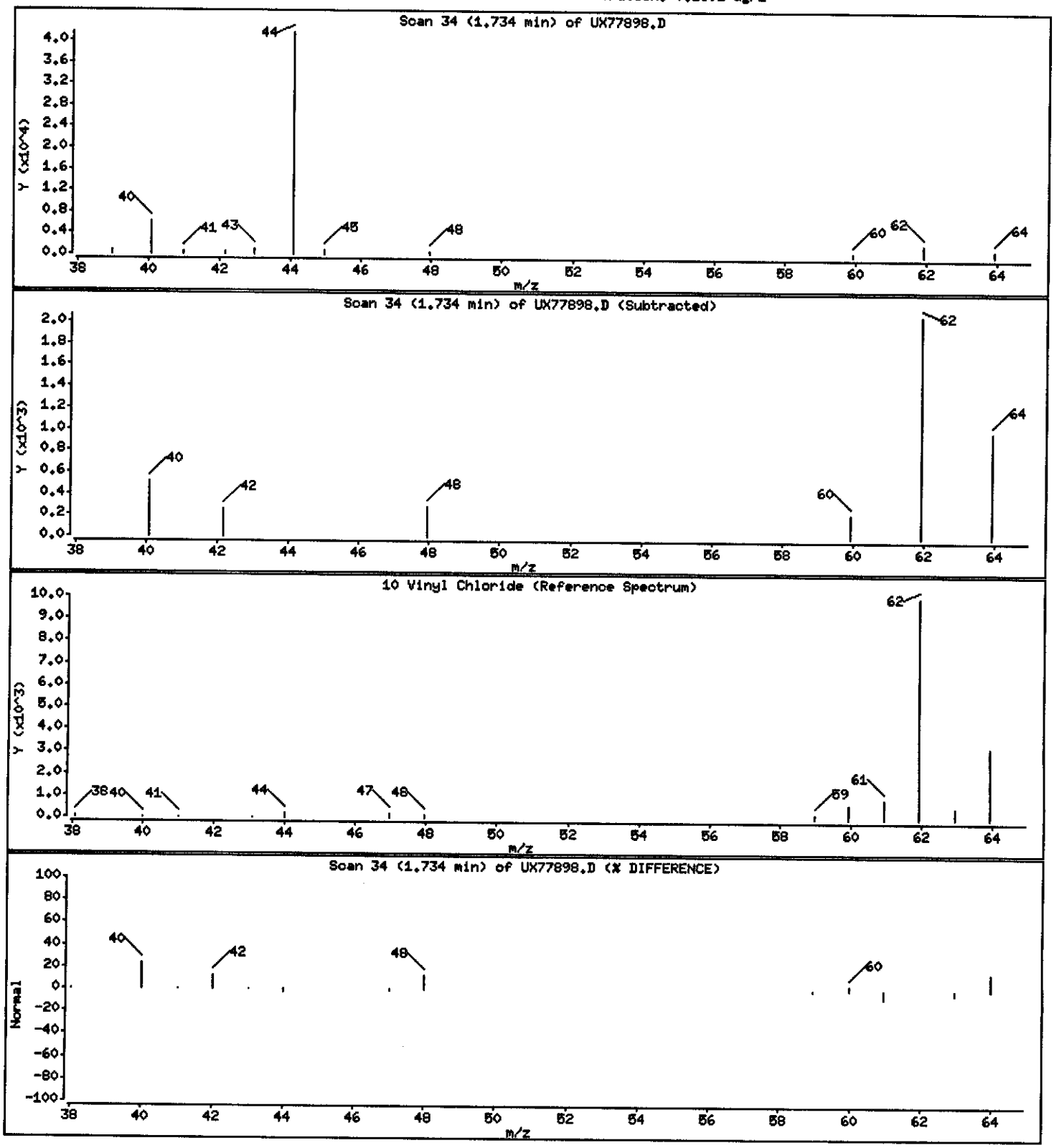
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

10 Vinyl Chloride

Concentration: 0.1891 ug/L



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Date : 21-JUL-2004 13:13

Client ID: DUP001/070804

Instrument: a3ux7.i

Sample Info: GKVPM1AA,5ML/5ML

Purge Volume: 5.0

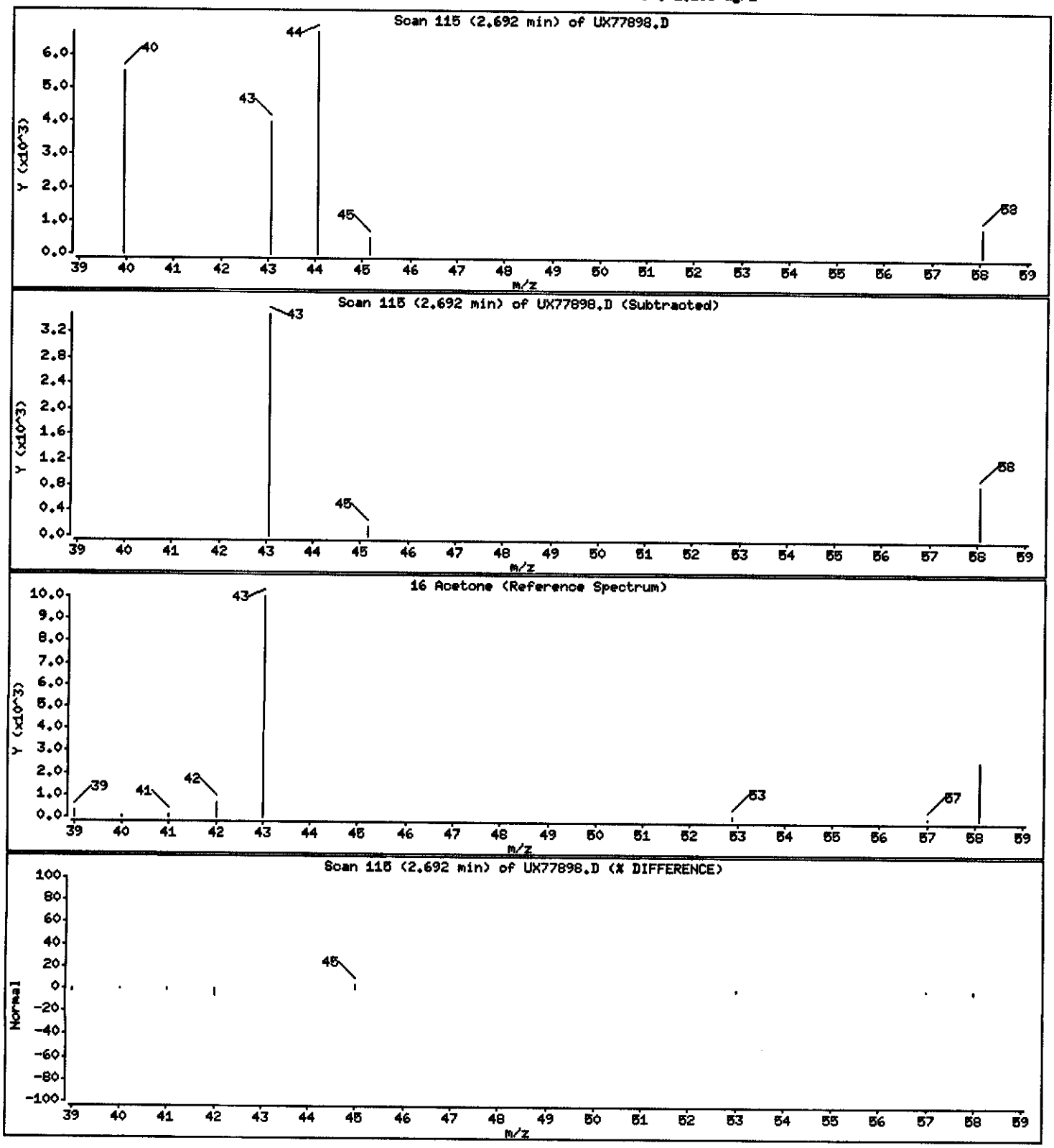
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

16 Acetone

Concentration: 1.165 ug/L



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Date : 21-JUL-2004 13:13

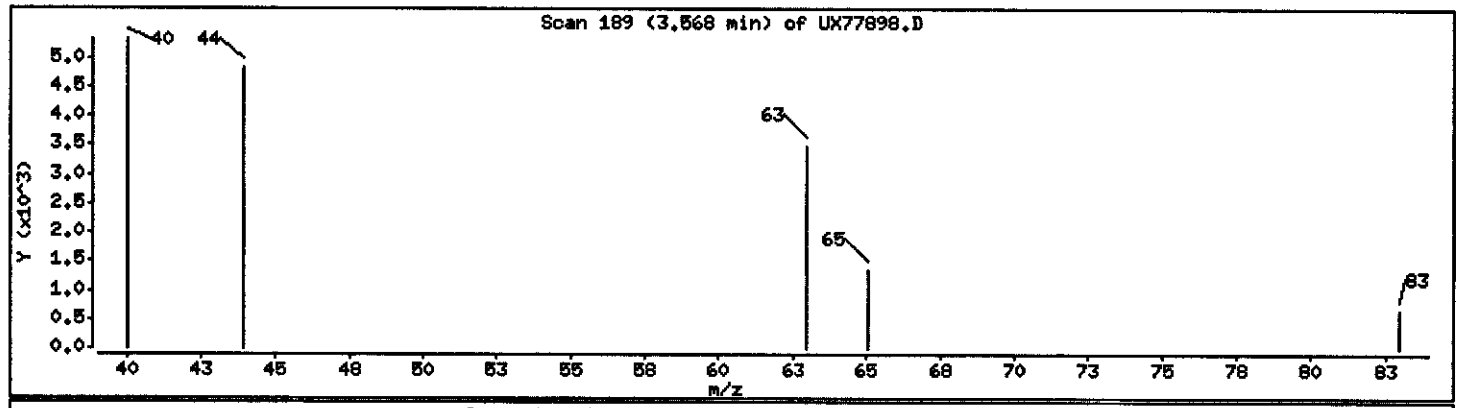
Client ID: DUP001/070804 Instrument: a3ux7.i

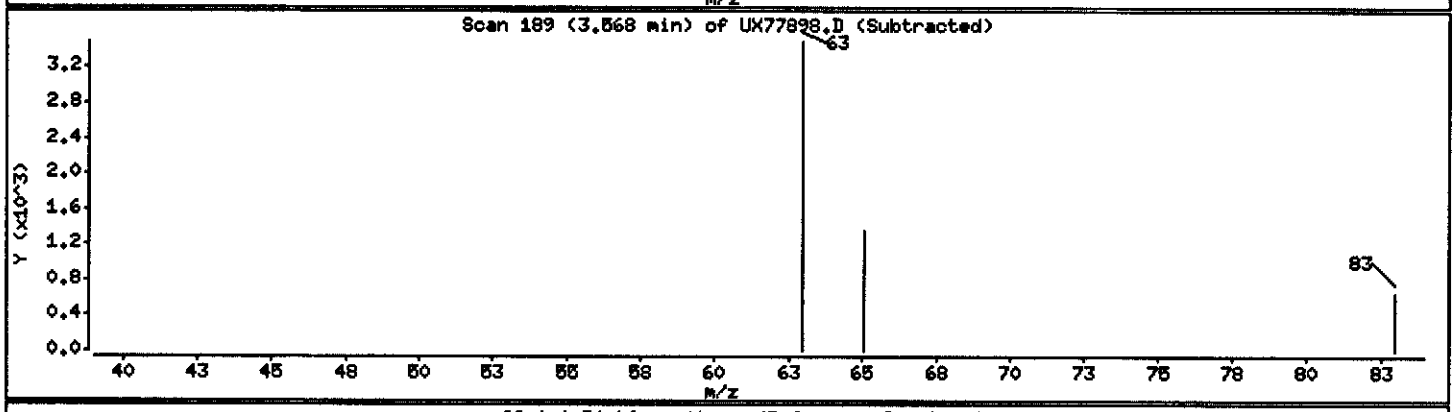
Sample Info: GKVPM1AA,5ML/5ML

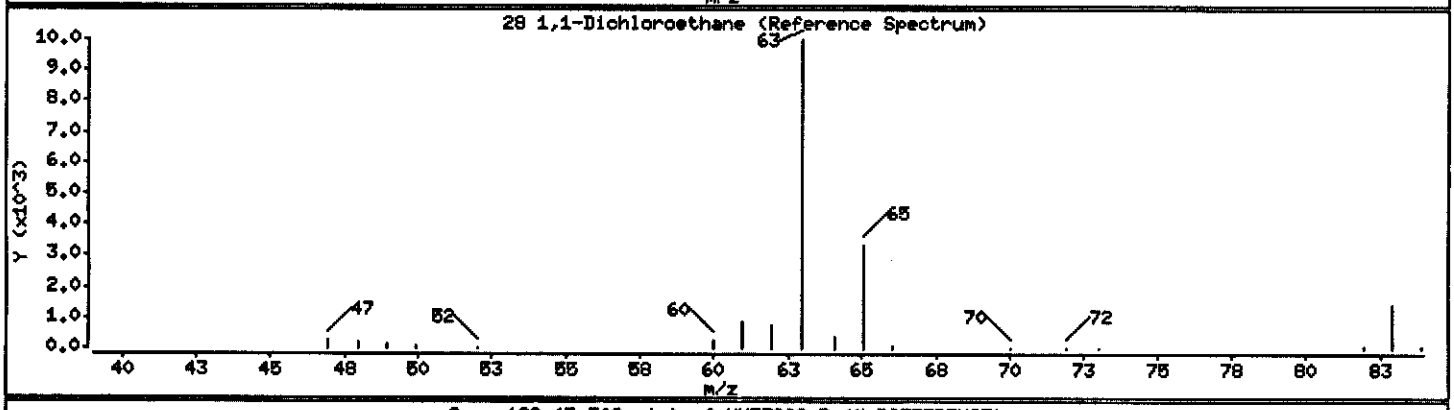
Purge Volume: 5.0 Operator: 1754

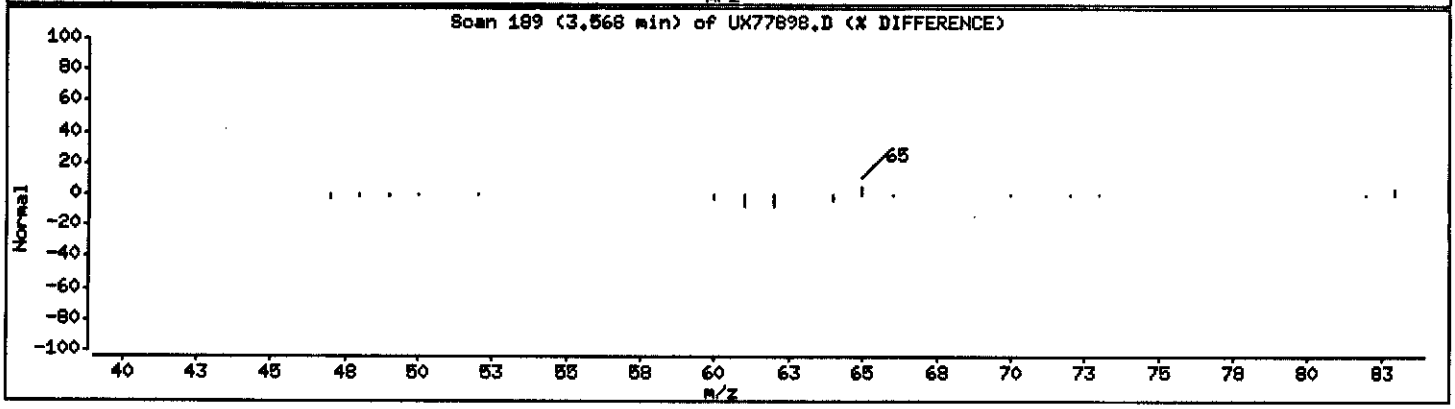
Column phase: DB624 20m Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 0.1720 ug/L









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Date : 21-JUL-2004 13:13

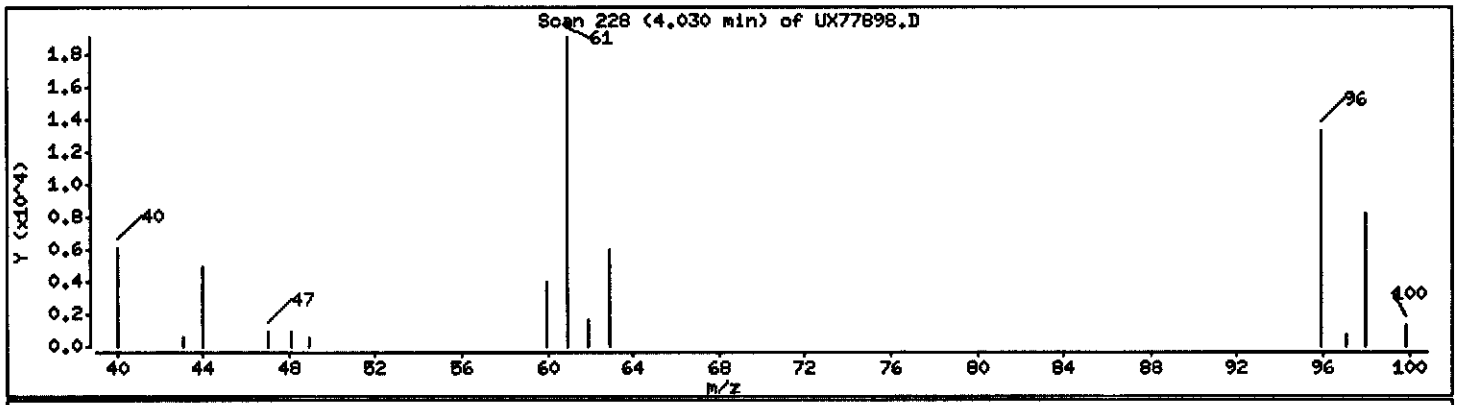
Client ID: DUP001/070804 Instrument: a3ux7.i

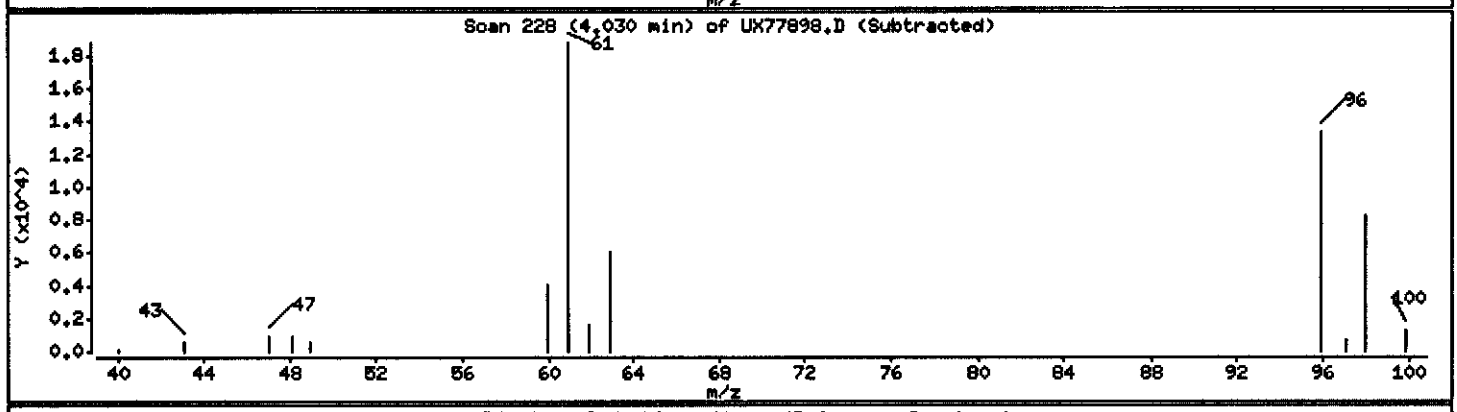
Sample Info: GKVPM1AA,5ML/5ML

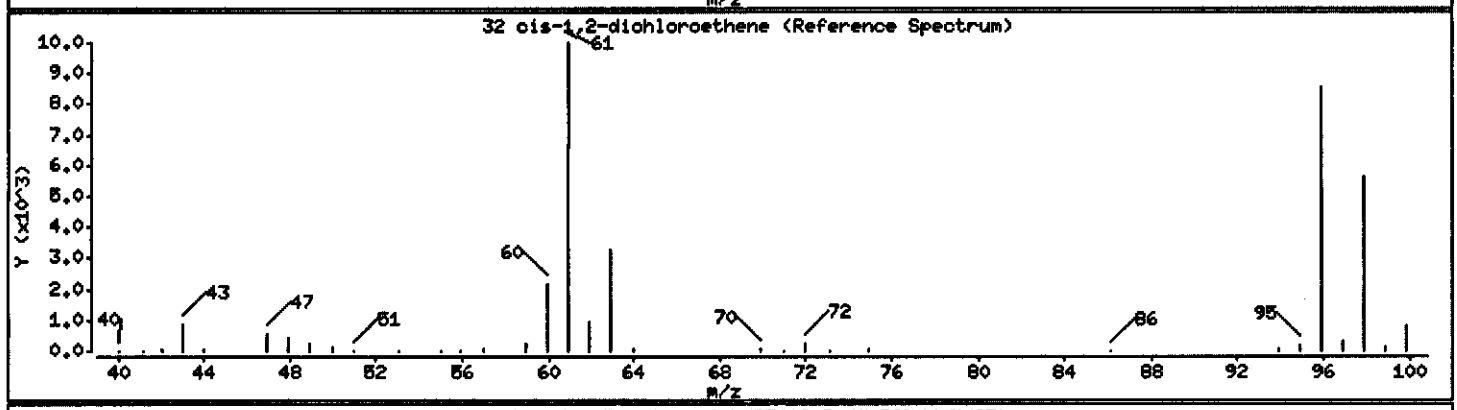
Purge Volume: 5.0 Operator: 1754

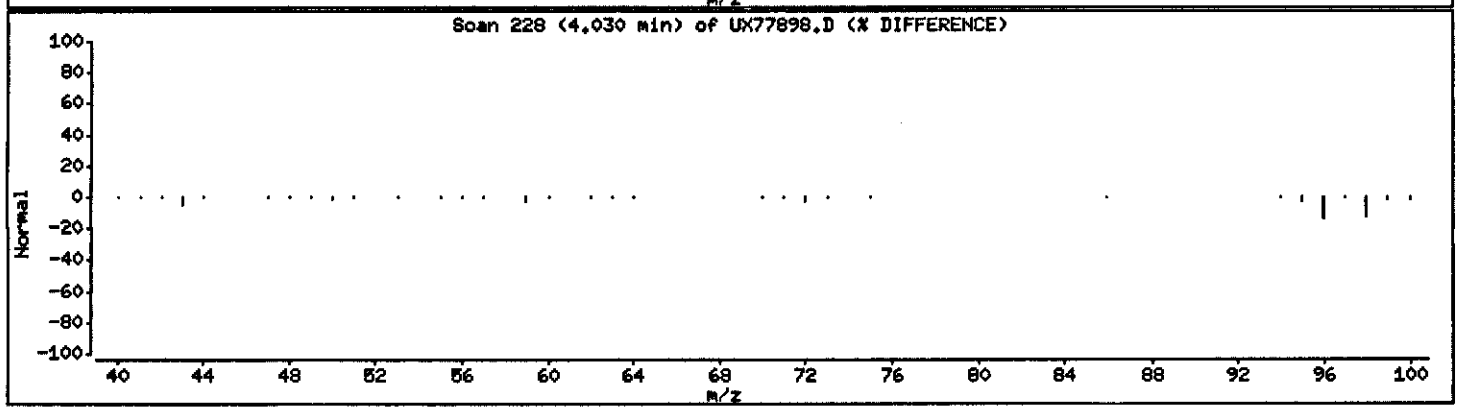
Column phase: DB624 20m Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 1.056 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77898.D

Date : 21-JUL-2004 13:13

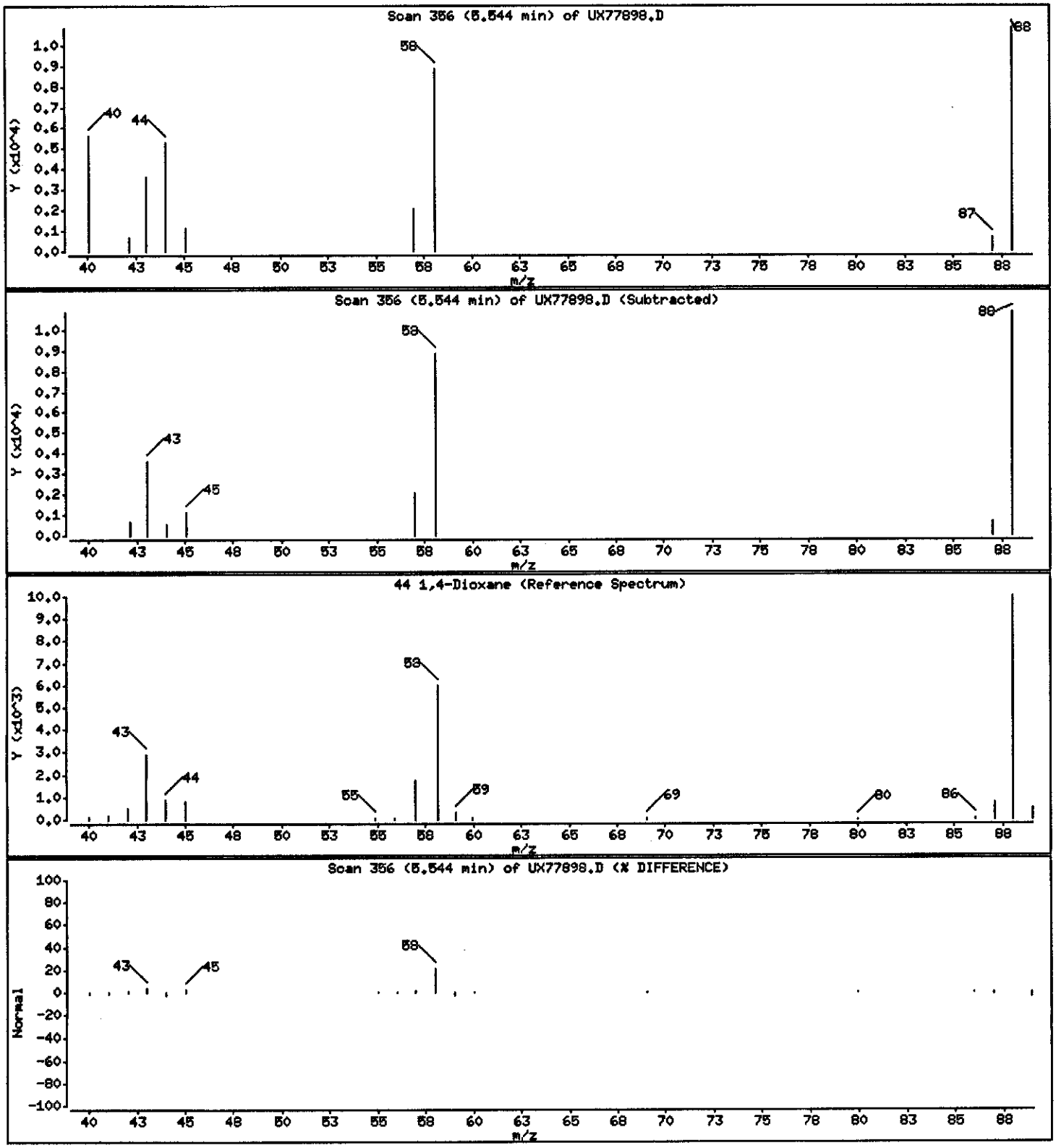
Client ID: DUP001/070804 Instrument: a3ux7.i

Sample Info: GKVPM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 93.791 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77898.D

Date : 21-JUL-2004 13:13

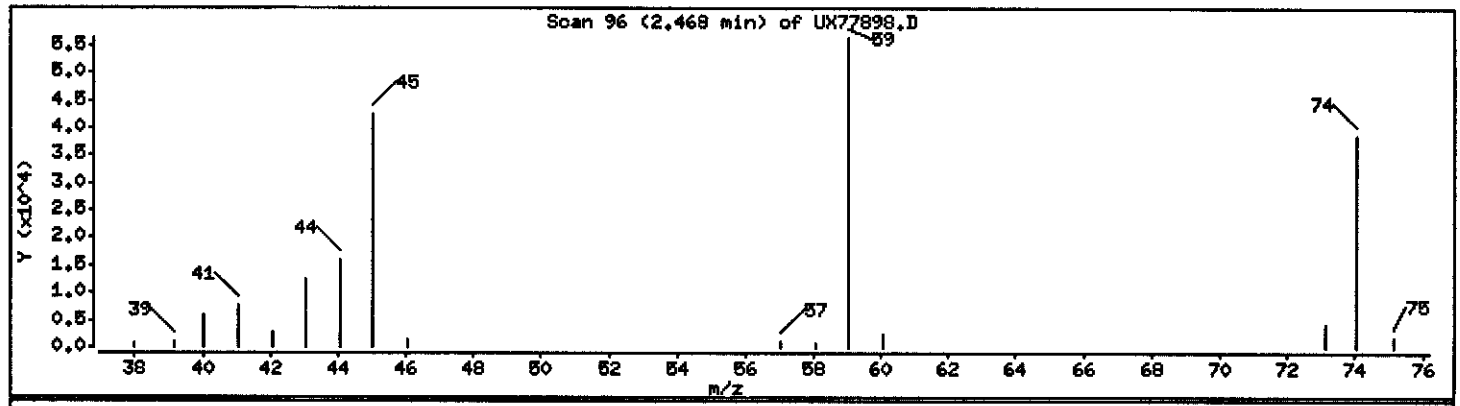
Client ID: DUP001/070804 Instrument: a3ux7.i

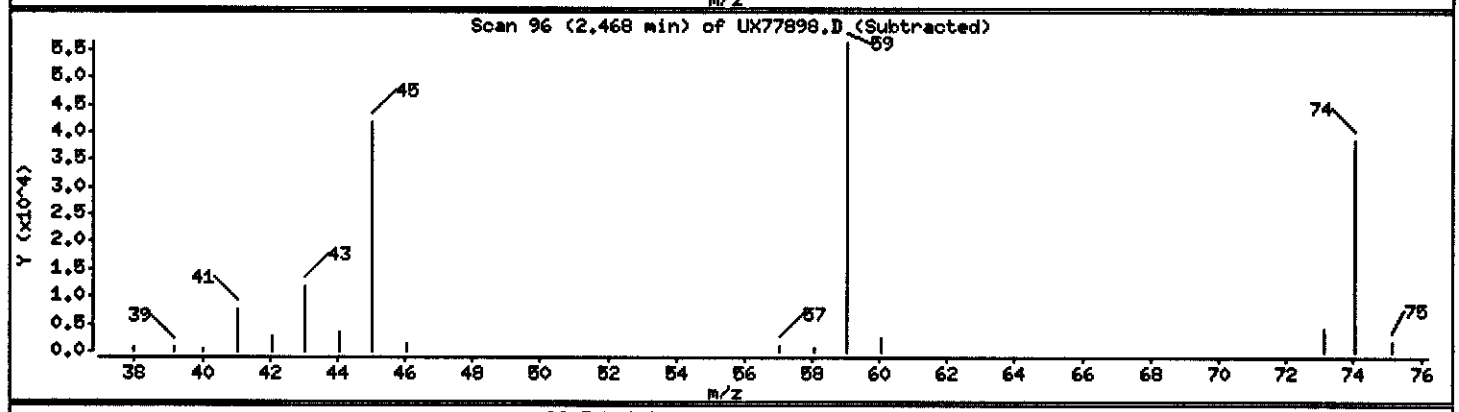
Sample Info: GKVPM1AA,5ML/5ML

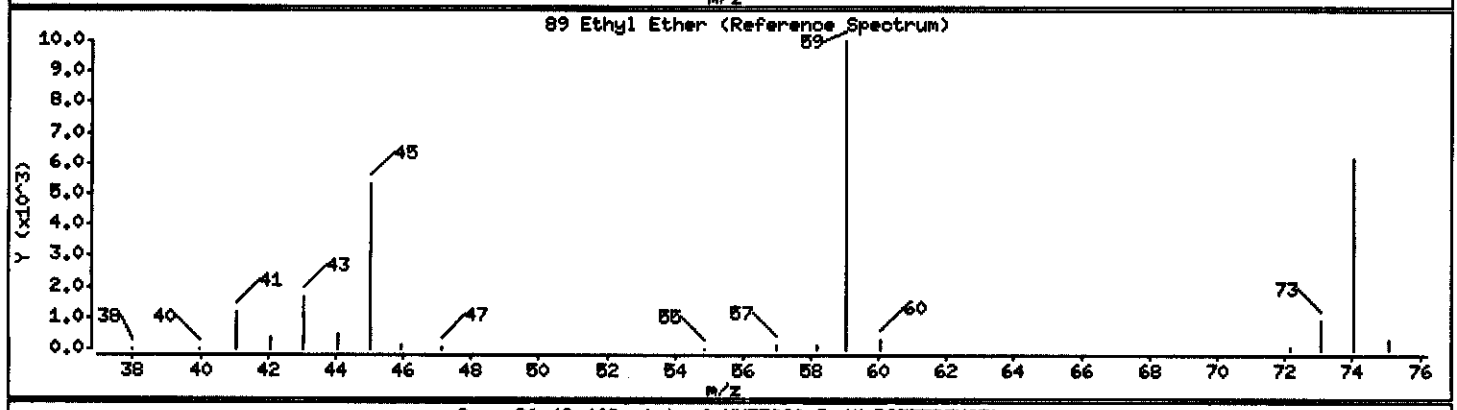
Purge Volume: 5.0 Operator: 1754

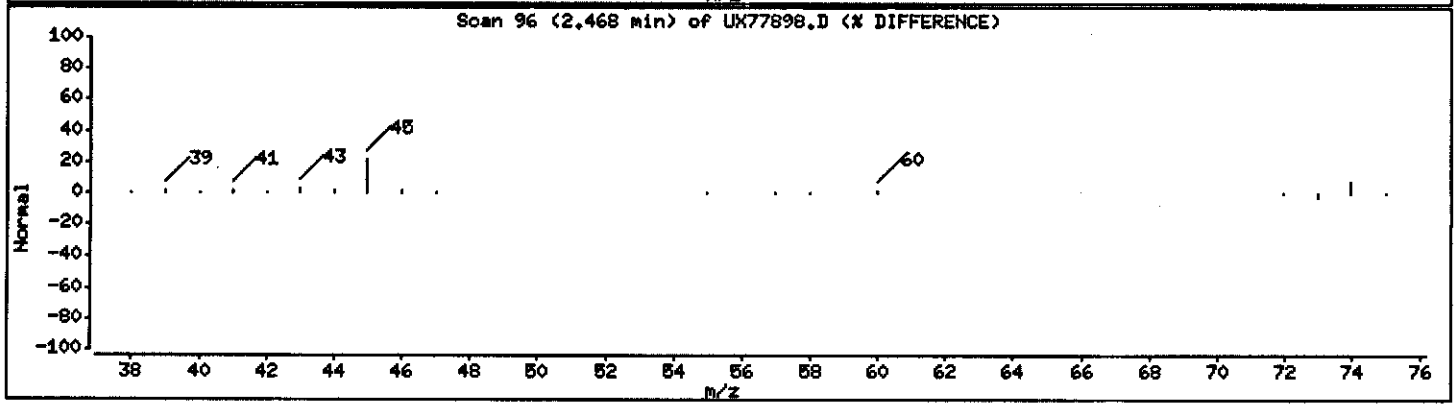
Column phase: DB624 20m Column diameter: 0.18

89 Ethyl Ether Concentration: 7.588 ug/L









PAYNE FIRM INC.

Client Sample ID: MW507/070804

GC/MS Volatiles

Lot-Sample #...: A4G100202-002 **Work Order #...:** GKVPQ1AA **Matrix.....:** WG
Date Sampled...: 07/08/04 11:56 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202226
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	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	**0.50 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	ND	1.0	ug/L
cis-1,2-Dichloroethene	**1.2**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	**1.2 J**	**2.0**	**ug/L**
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	**120**	**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: MW507/070804

GC/MS Volatiles

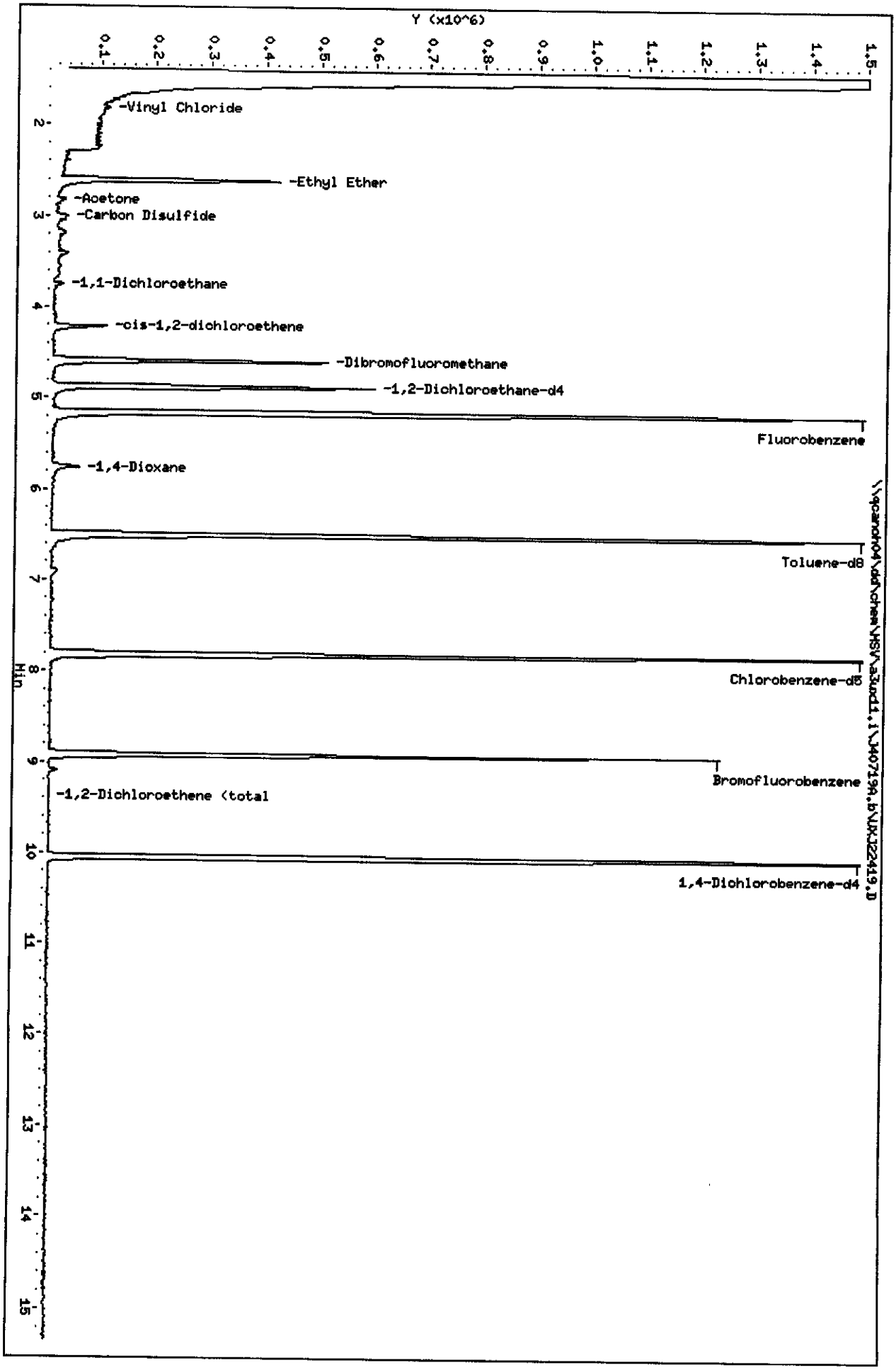
Lot-Sample #...: A4G100202-002 **Work Order #...:** GKVPQ1AA **Matrix.....:** WG

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
Toluene-d8	86	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.


Data File: \\qcandn04\dd\chem\HSV\a3ud1.i\3407190.b\UXJ22419.D
Date : 19-JUL-2004 13:08
Client ID: HW507/070804
Sample Info: GKVPQ100,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ud1.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
-Vinyl Chloride
-Ethyl Ether
-Acetone
-Carbon Disulfide
-1,1-Dichloroethane
-cis-1,2-dichloroethene
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
-1,4-Dioxane
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4
\\qcandn04\dd\chem\HSV\a3ud1.i\3407190.b\UXJ22419.D
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22419.D
Report Date: 20-Jul-2004 11:06

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22419.D
Lab Smp Id: GKVPQ1AA Client Smp ID: MW507/070804
Inj Date : 19-JUL-2004 13:08
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GKVPQ1AA,5ML/5ML
Misc Info : J40719A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\8260LLUX11.m
Meth Date : 20-Jul-2004 10:58 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	1641129	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1346233	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	659985	50.0000	
$ 4 Dibromofluoromethane	113	4.591	4.591	(0.890)	361625	53.3390	10.668
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	451705	51.3833	10.277
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	1383520	43.0907	8.618
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	522171	38.7445	7.749
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.822	1.822	(0.353)	11036	1.00112	0.2002
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	2.828	2.828	(0.548)	24258	6.40330	1.281
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22419.D
Report Date: 20-Jul-2004 11:06

	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	3.006	3.006	(0.583)	70356	2.47704	0.4954
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.751	3.751	(0.727)	14280	0.93671	0.1873
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				50927	5.77677	1.155
	32 cis-1,2-dichloroethene	96	4.213	4.213	(0.817)	50927	5.77677	1.155
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.763	5.751	(1.117)	51246	575.834	115.17(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\a3ux11.i\J40719A.b\UXJ22419.D
Report Date: 20-Jul-2004 11:06

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	2.615	2.615	(0.507)	293669	40.9522	8.190
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22419.D

Date : 19-JUL-2004 13:08

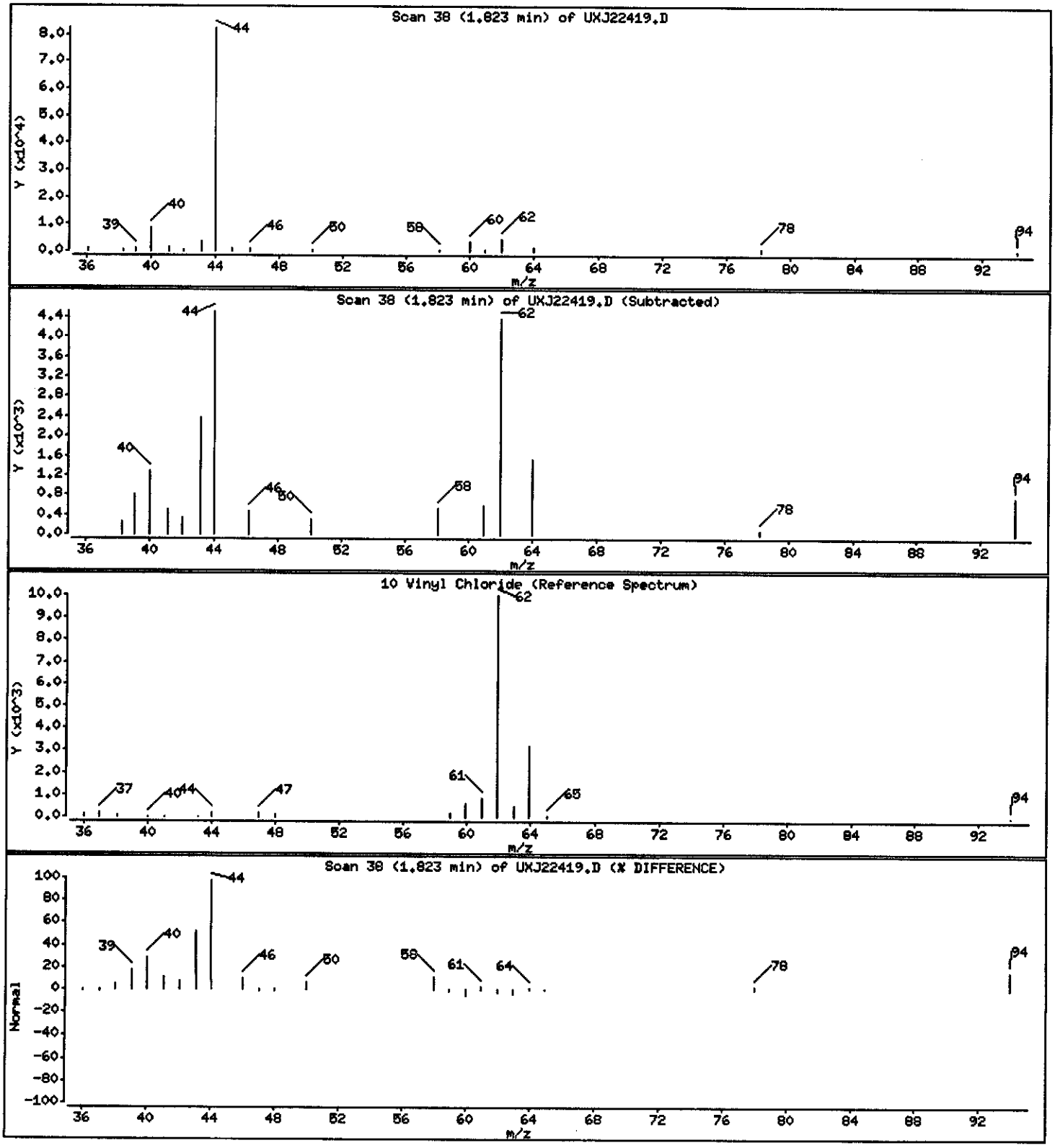
Client ID: MW507/070804 Instrument: a3ux11.i

Sample Info: GKVPQ1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 0.2002 ug/L



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Date : 19-JUL-2004 13:08

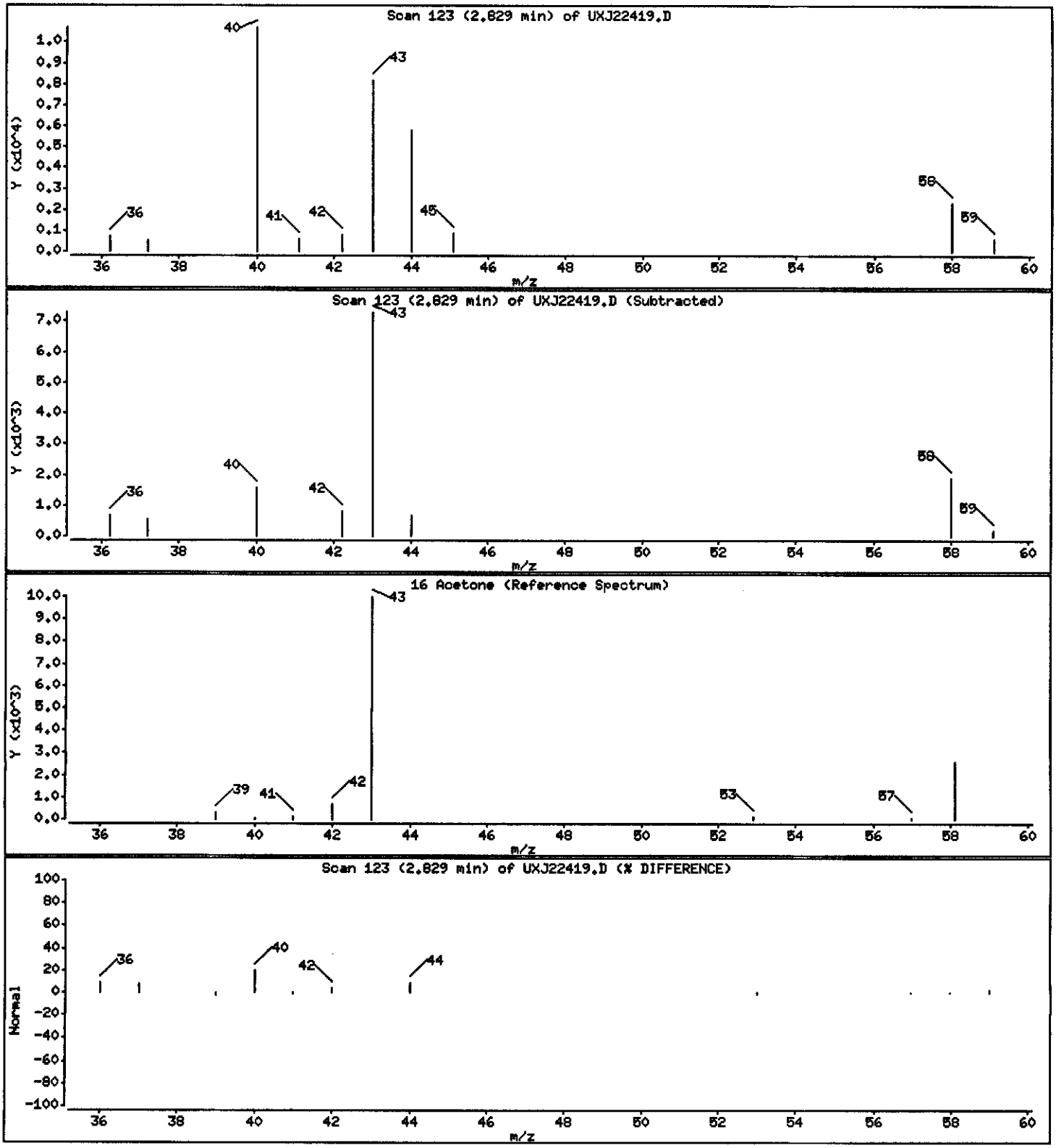
Client ID: MW507/070804 Instrument: a3ux11.i

Sample Info: GKVPQ1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 1.281 ug/L



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Date : 19-JUL-2004 13:08

Client ID: MW507/070804

Instrument: a3ux11.i

Sample Info: GKVPQ1AA,5ML/5ML

Purge Volume: 5.0

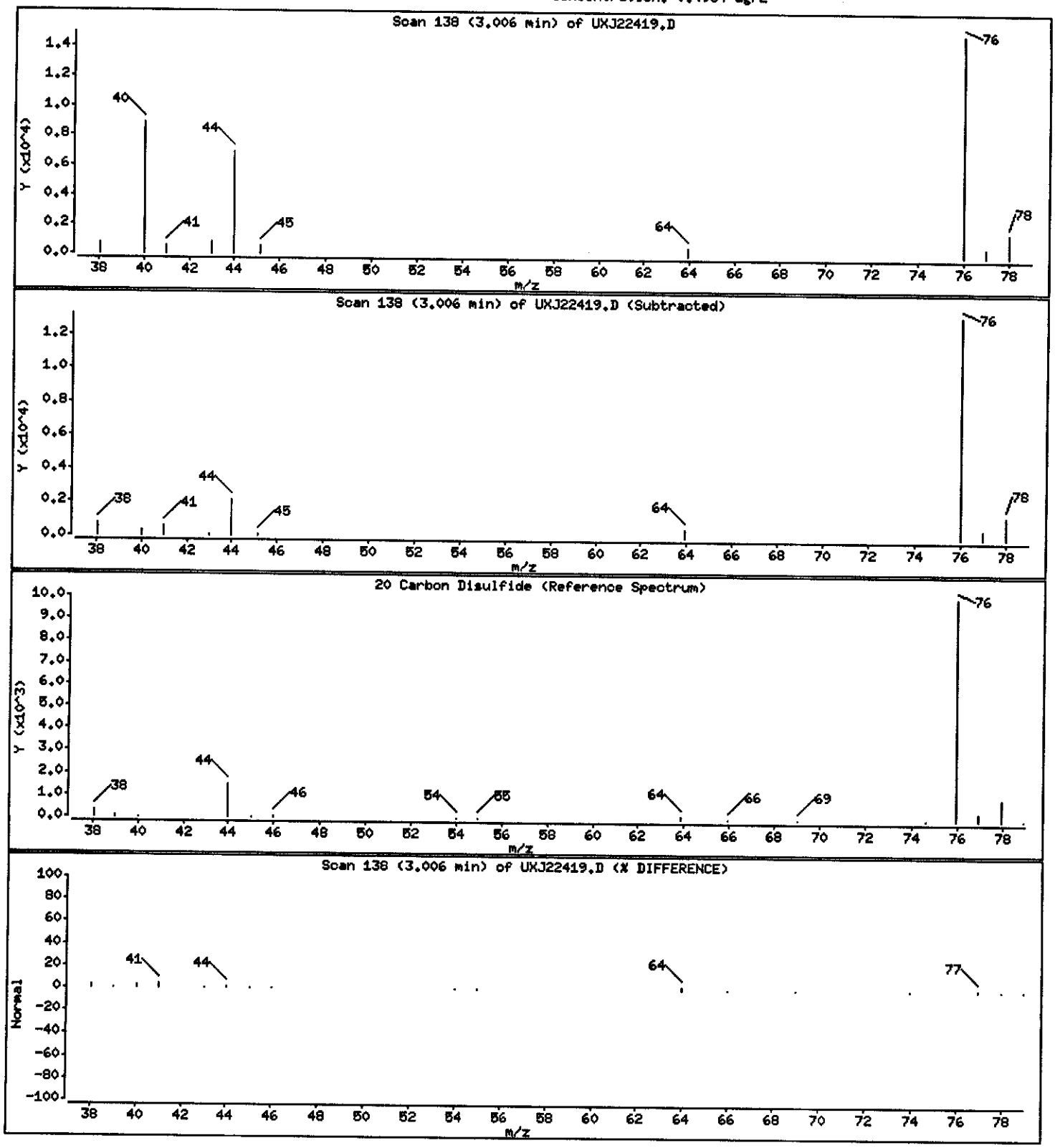
Operator: 43582

Column phase: DB624

Column diameter: 0.18

20 Carbon Disulfide

Concentration: 0.4954 ug/L



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Date : 19-JUL-2004 13:08

Client ID: MW507/070804

Instrument: a3ux11.i

Sample Info: GKVPQ1AA,5ML/5ML

Purge Volume: 5.0

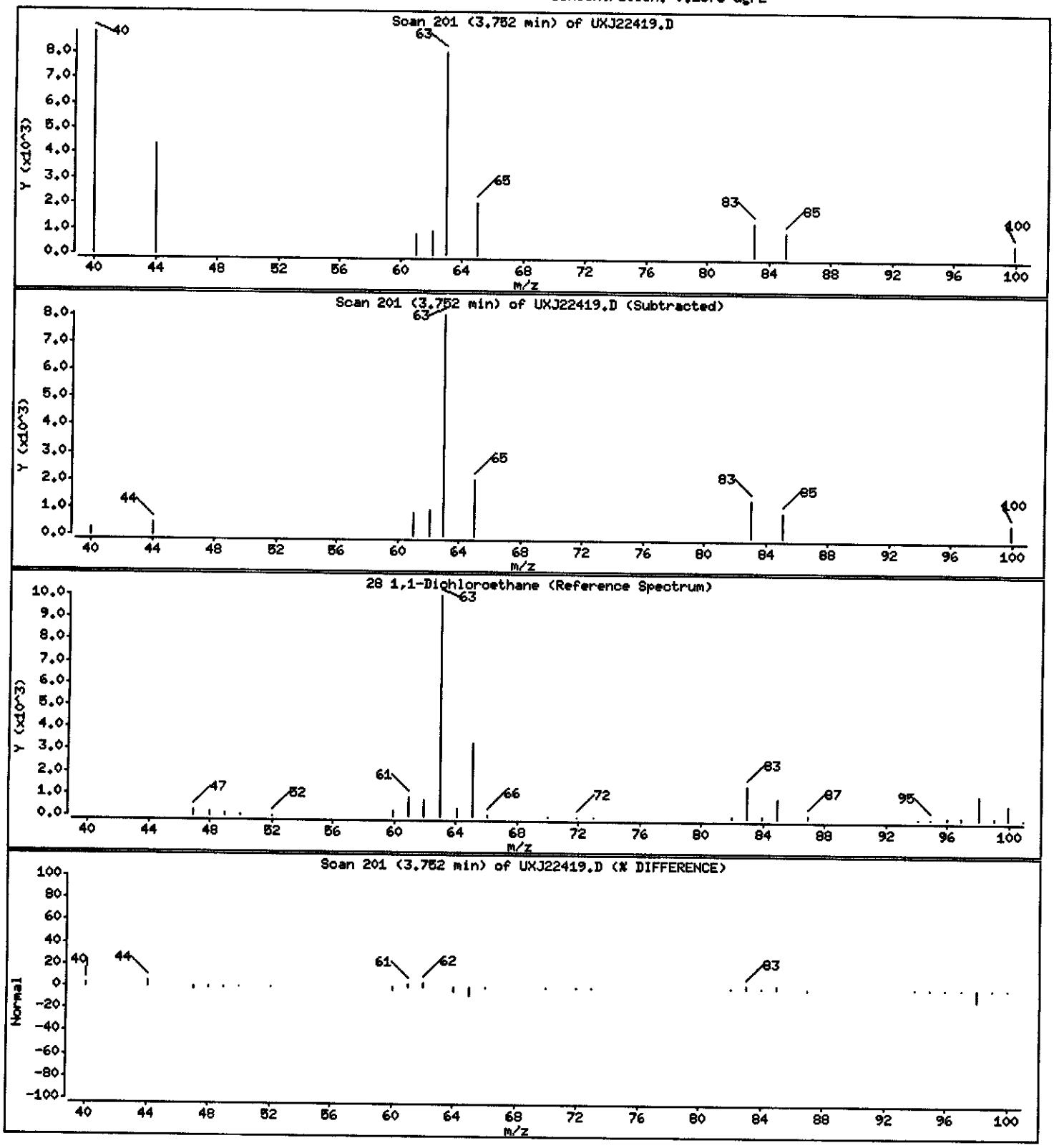
Operator: 43582

Column phase: DB624

Column diameter: 0.18

28 1,1-Dichloroethane

Concentration: 0.1873 ug/L



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Date : 19-JUL-2004 13:08

Client ID: MW507/070804

Instrument: a3ux11.i

Sample Info: GKVPQ1AA,5ML/5ML

Purge Volume: 5.0

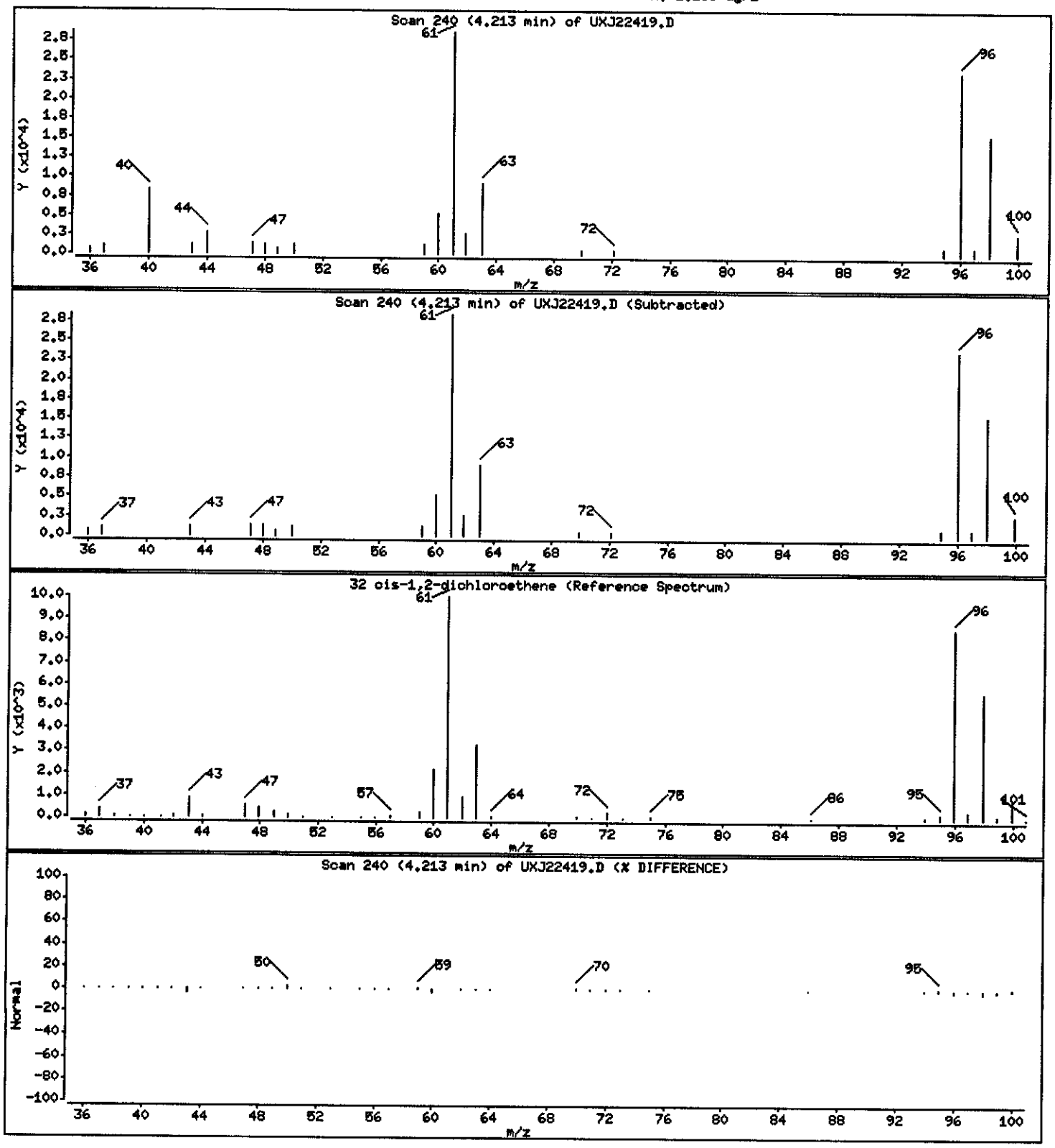
Operator: 43582

Column phase: DB624

Column diameter: 0.18

32 cis-1,2-dichloroethene

Concentration: 1.155 ug/L



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Date : 19-JUL-2004 13:08

Client ID: MW507/070804

Instrument: a3ux11.i

Sample Info: GKVPQ1AA,5ML/5ML

Purge Volume: 5.0

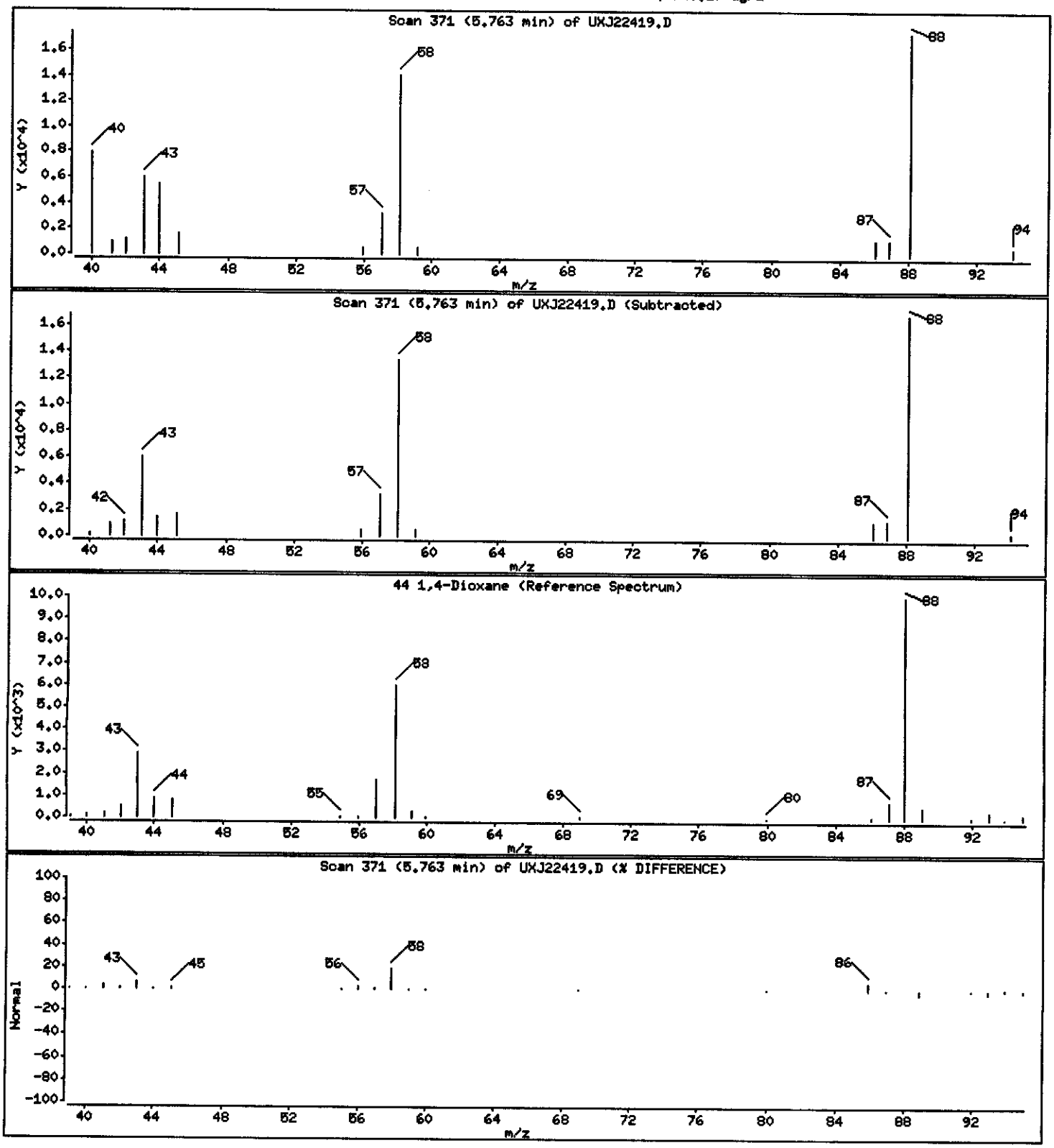
Operator: 43582

Column phase: DB624

Column diameter: 0.18

44 1,4-Dioxane

Concentration: 115.17 ug/L



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Date : 19-JUL-2004 13:08

Client ID: MW507/070804

Instrument: a3ux11.i

Sample Info: GKVPQ1AA,5ML/5ML

Purge Volume: 5.0

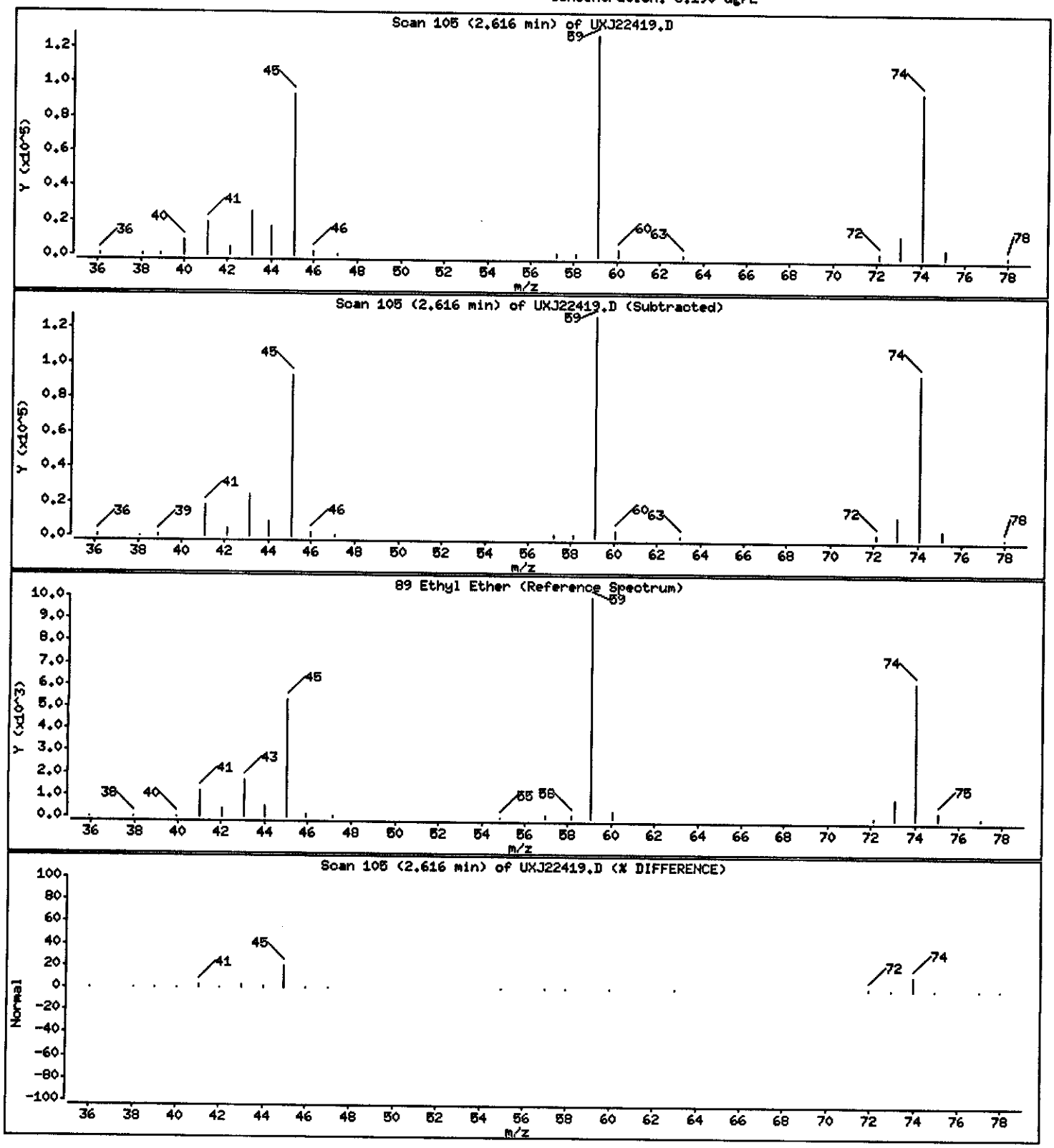
Operator: 43582

Column phase: DB624

Column diameter: 0.18

89 Ethyl Ether

Concentration: 8.190 ug/L



PAYNE FIRM INC.

Client Sample ID: MW507B/070804

GC/MS Volatiles

Lot-Sample #...: A4G100202-003 **Work Order #...:** GKVPT1AA **Matrix.....:** WG
Date Sampled...: 07/08/04 12:35 **Date Received..:** 07/10/04
Prep Date.....: 07/15/04 **Analysis Date..:** 07/15/04
Prep Batch #...: 4198123
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**5.1 J,B**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	**0.24 J**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	**1.3 J,B**	**10**	**ug/L**
Carbon disulfide	**0.35 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	**1.1**	**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	**0.45 J**	**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: MW507B/070804

GC/MS Volatiles

Lot-Sample #...: A4G100202-003 **Work Order #...:** GKVPT1AA **Matrix.....:** WG

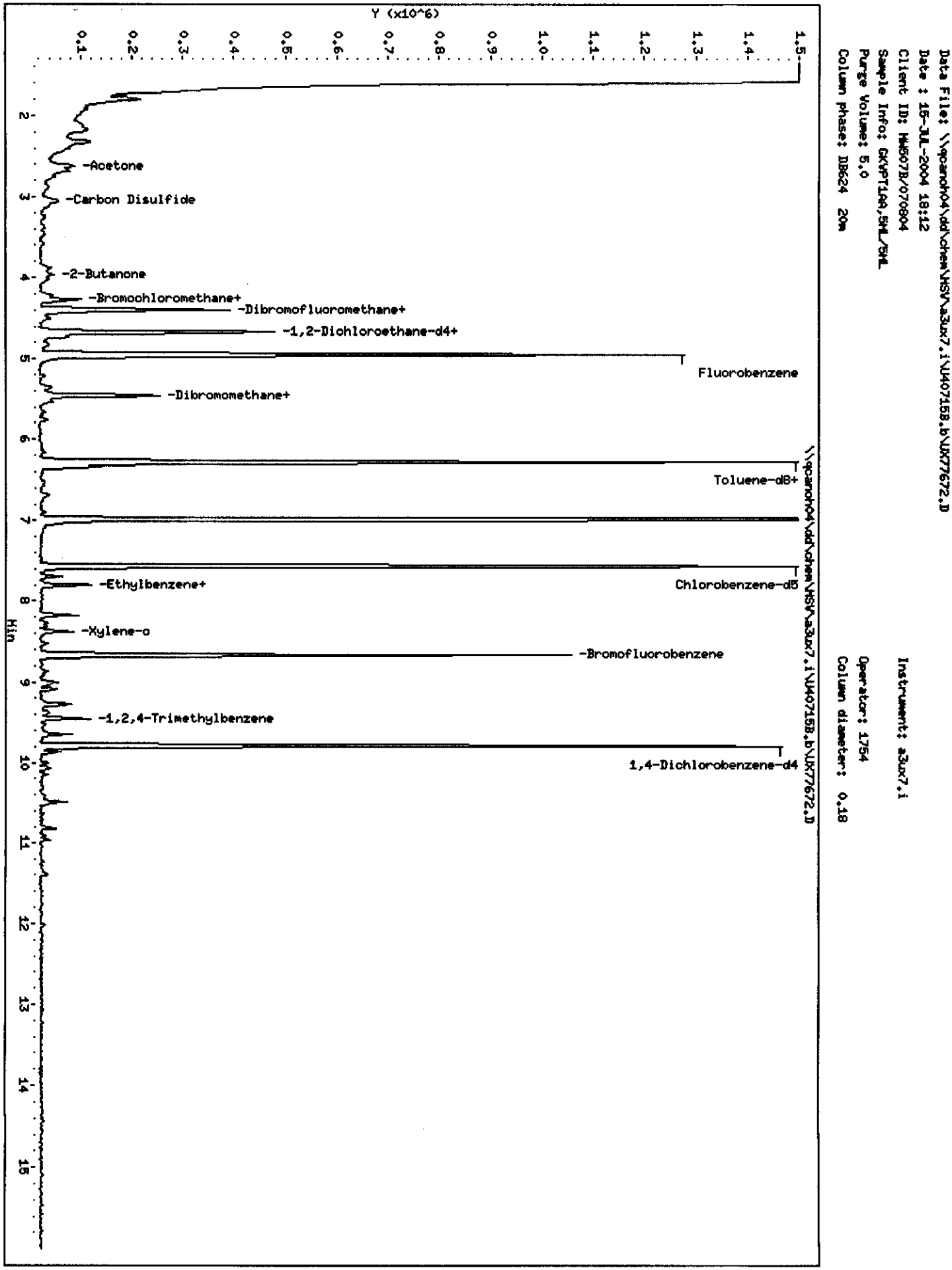
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.51 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)	**0.78 J**	**2.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(73 - 122)
1,2-Dichloroethane-d4	85	(61 - 128)
Toluene-d8	92	(76 - 110)
4-Bromofluorobenzene	87	(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\a3ux7.i\U40715B.b\UX77672.D
Date : 15-JUL-2004 18:12
Client ID: MW507B/070804
Sample Info: GKVPT1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Acetone
-Carbon Disulfide
-2-Butanone
-Bromochloromethane+
-Dibromofluoromethane+
-1,2-Dichloroethane-d4+
Fluorobenzene
-Dibromomethane+
Toluene-d8+
Chlorobenzene-d5
-Ethylbenzene+
-Xylene-o
-Bromofluorobenzene
-1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\HSV\a3ux7.i\U40715B.b\UX77672.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77672.D
Report Date: 16-Jul-2004 10:24

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77672.D
Lab Smp Id: GKVPT1AA
Client Smp ID: MW507B/070804
Inj Date : 15-JUL-2004 18:12
Operator : 1754
Inst ID: a3ux7.i
Smp Info : GKVPT1AA,5ML/5ML
Misc Info : U40715B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 09:55 roachc
Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56
Cal File: UX77665.D
Als bottle: 13
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	4.951	(1.000)	1424281	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.566	(1.000)	976962	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.790	(1.000)	420448	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.395	(0.888)	289999	46.1688	9.234
$ 5 1,2-Dichloroethane-d4	65	4.671	4.667	(0.943)	404303	42.3528	8.470
$ 6 Toluene-d8	98	6.281	6.276	(0.830)	1221590	46.1798	9.236
$ 7 Bromofluorobenzene	95	8.671	8.666	(1.145)	442461	43.3210	8.664
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	2.683	2.679	(0.542)	110933	25.3070	5.061
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77672.D
Report Date: 16-Jul-2004 10:24

	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	2.885	2.868	(0.582)	41870	1.74227	0.3484
	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	4.020	4.016	(0.811)	36118	6.58320	1.317
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	4.222	4.217	(0.852)	9515	2.67706	0.5354
	35 Chloroform	83	4.269	4.265	(0.862)	76216	5.48239	1.096
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.730	4.726	(0.955)	41698	1.20035	0.2401
	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	5.535	5.531	(1.117)	10302	2.26565	0.4531
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.340	6.335	(0.837)	88709	2.52760	0.5055
	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	7.700	7.696	(1.017)	9132	0.84565	0.1691
	62 m + p-Xylene	106	7.807	7.803	(1.031)	30894	2.35235	0.4705
M	63 Xylenes (total)	106				51158	3.91200	0.7824
	64 Xylene-o	106	8.174	8.181	(1.080)	20264	1.55965	0.3119
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77672.D
Report Date: 16-Jul-2004 10:24

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	9.452	9.447	(0.965)	56905	2.27589	0.4552
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	4.506	4.501	(0.909)	20688	1.60466	0.3209(a)
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.429	5.436	(1.096)	11639	1.25267	0.2505
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\U40715B.b\UX77672.D

Date : 15-JUL-2004 18:12

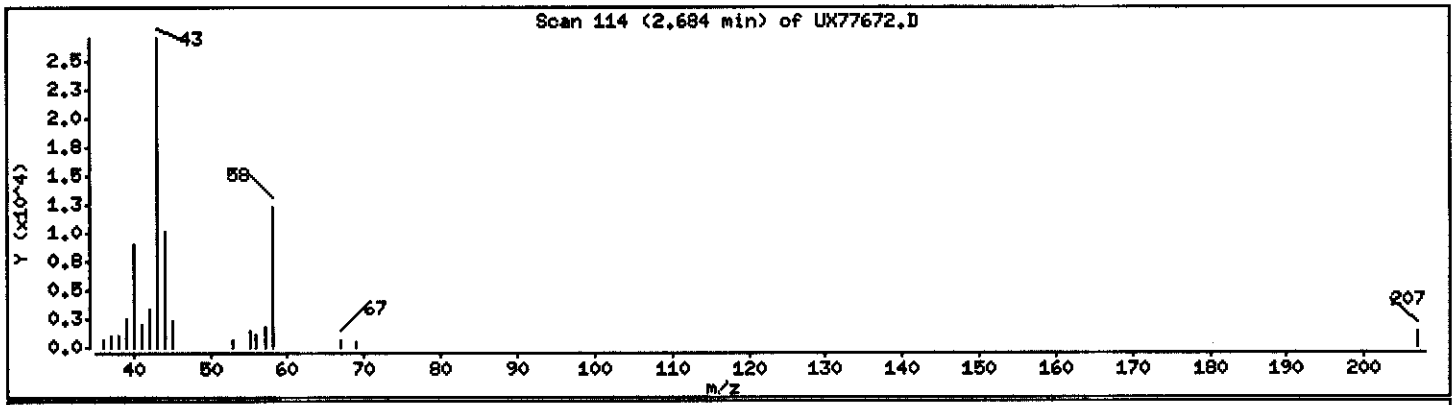
Client ID: MW507B/070804 Instrument: a3ux7.i

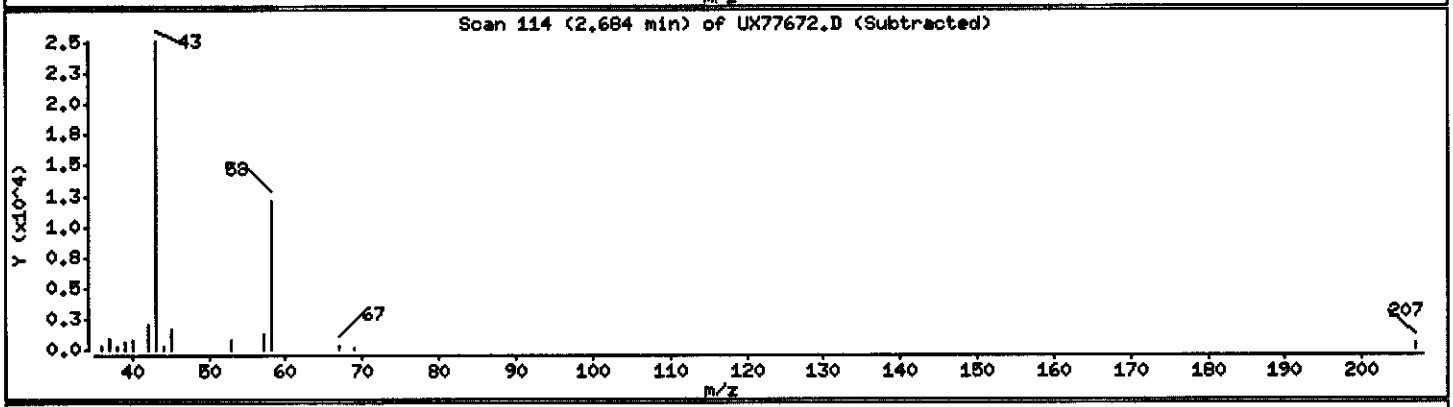
Sample Info: GKVPT1AA,5ML/5ML

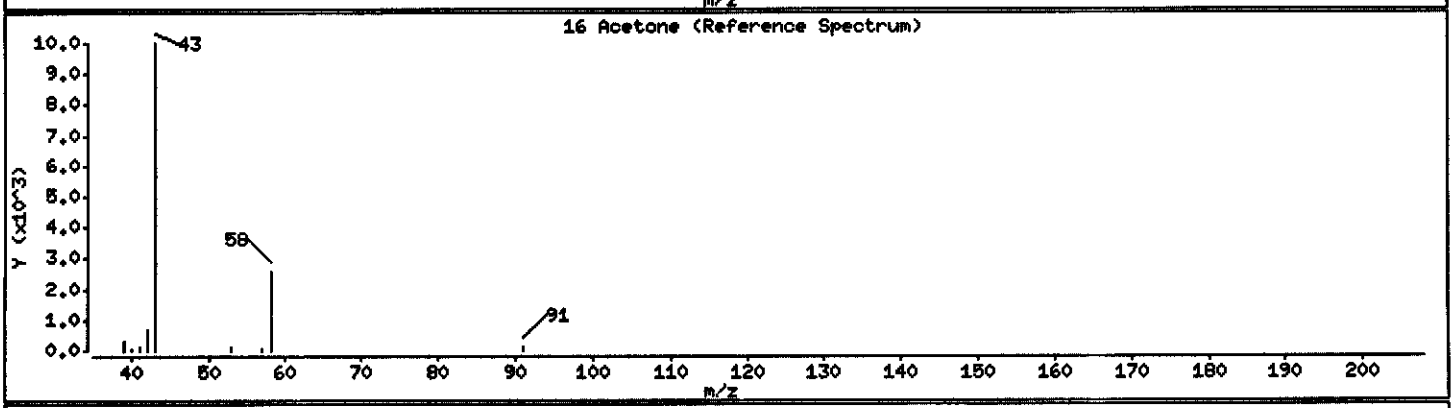
Purge Volume: 5.0 Operator: 1754

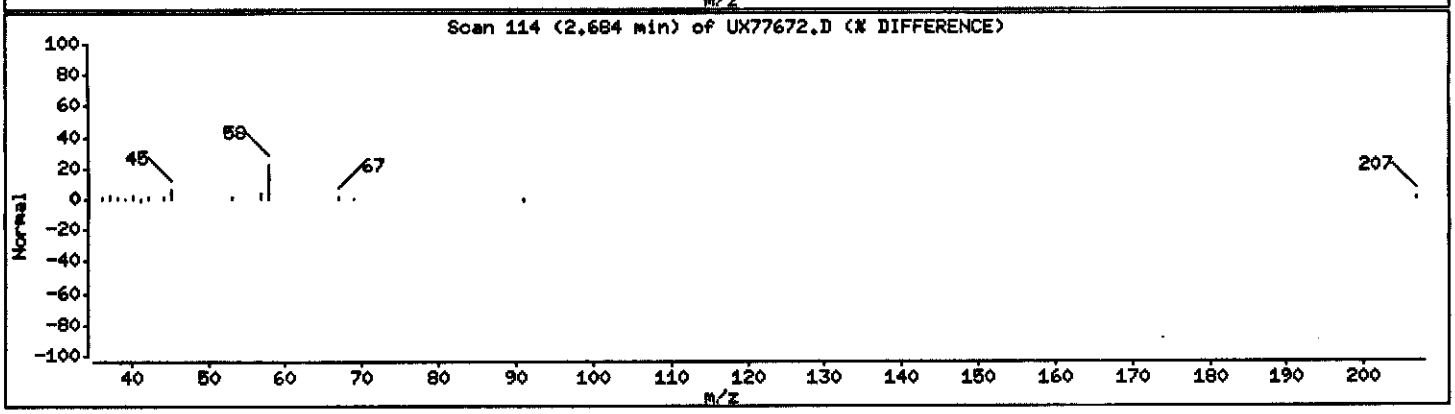
Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 5.061 ug/L









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Date : 15-JUL-2004 18:12

Client ID: MW507B/070804

Instrument: a3ux7.i

Sample Info: GKVPT1AA,5ML/5ML

Purge Volume: 5.0

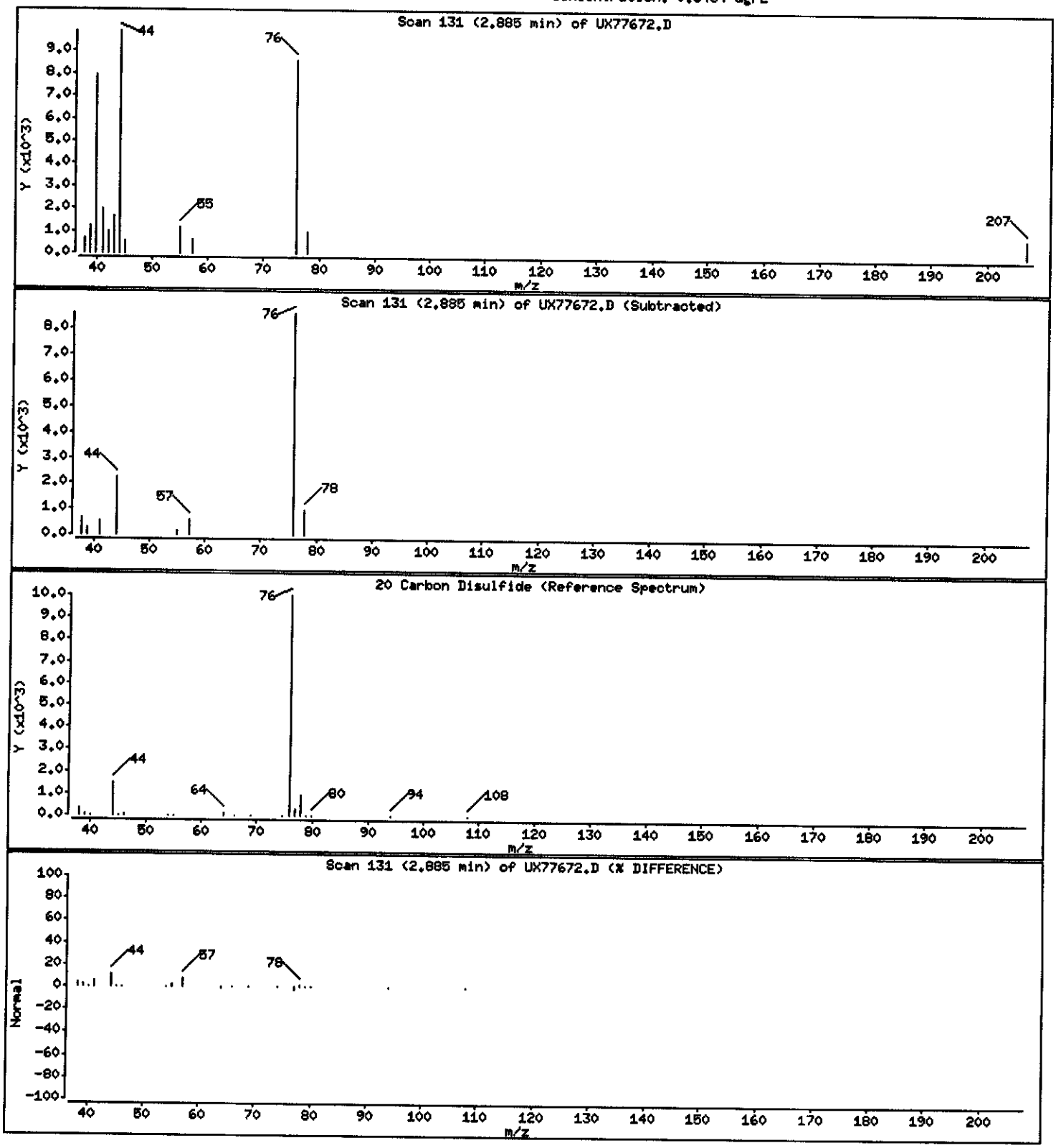
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

20 Carbon Disulfide

Concentration: 0.3484 ug/L



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Date : 15-JUL-2004 18:12

Client ID: MW507B/070804

Instrument: a3ux7.i

Sample Info: GKVPT1AA,5ML/5ML

Purge Volume: 5.0

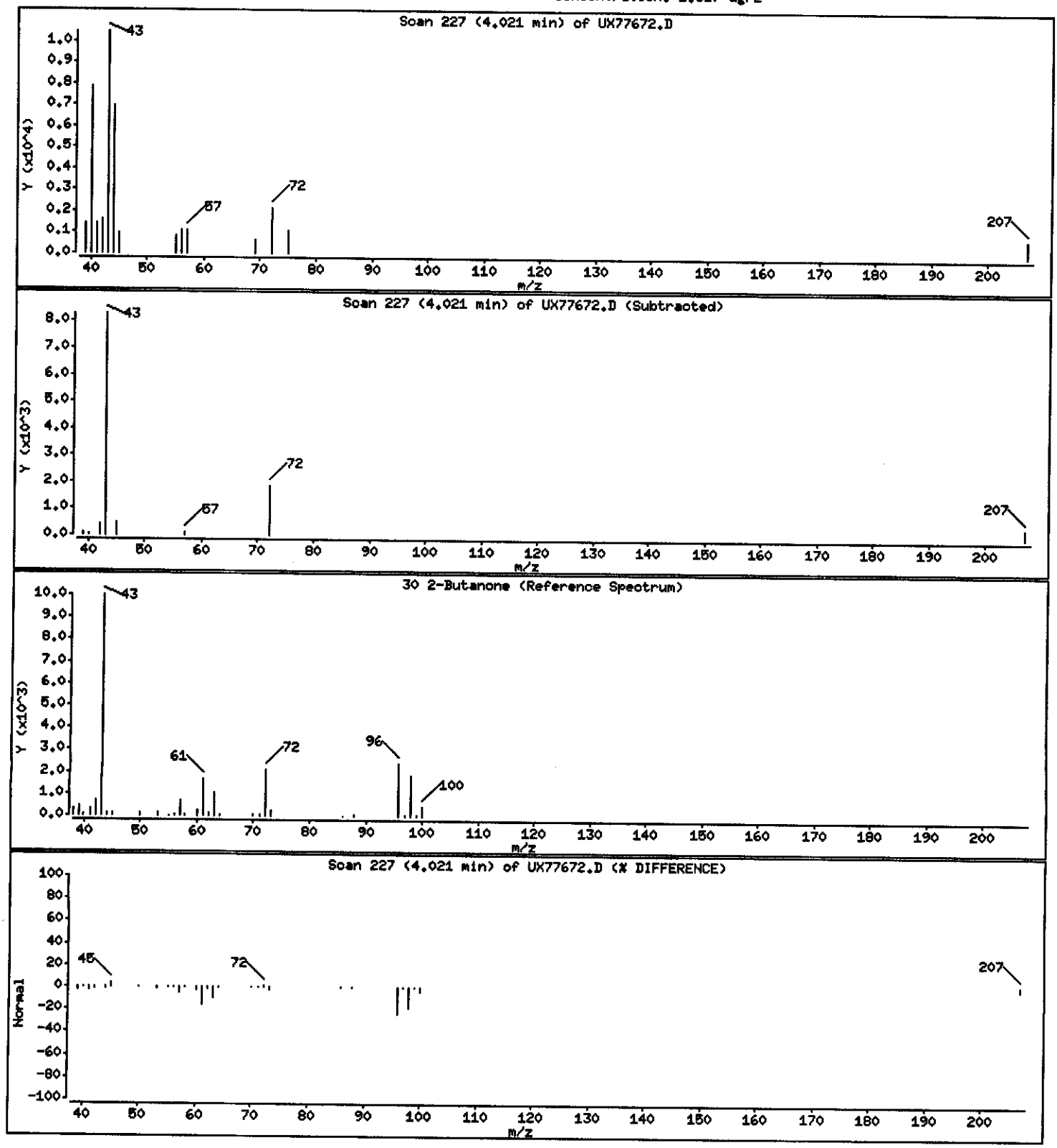
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

30 2-Butanone

Concentration: 1.317 ug/L



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Date : 15-JUL-2004 18:12

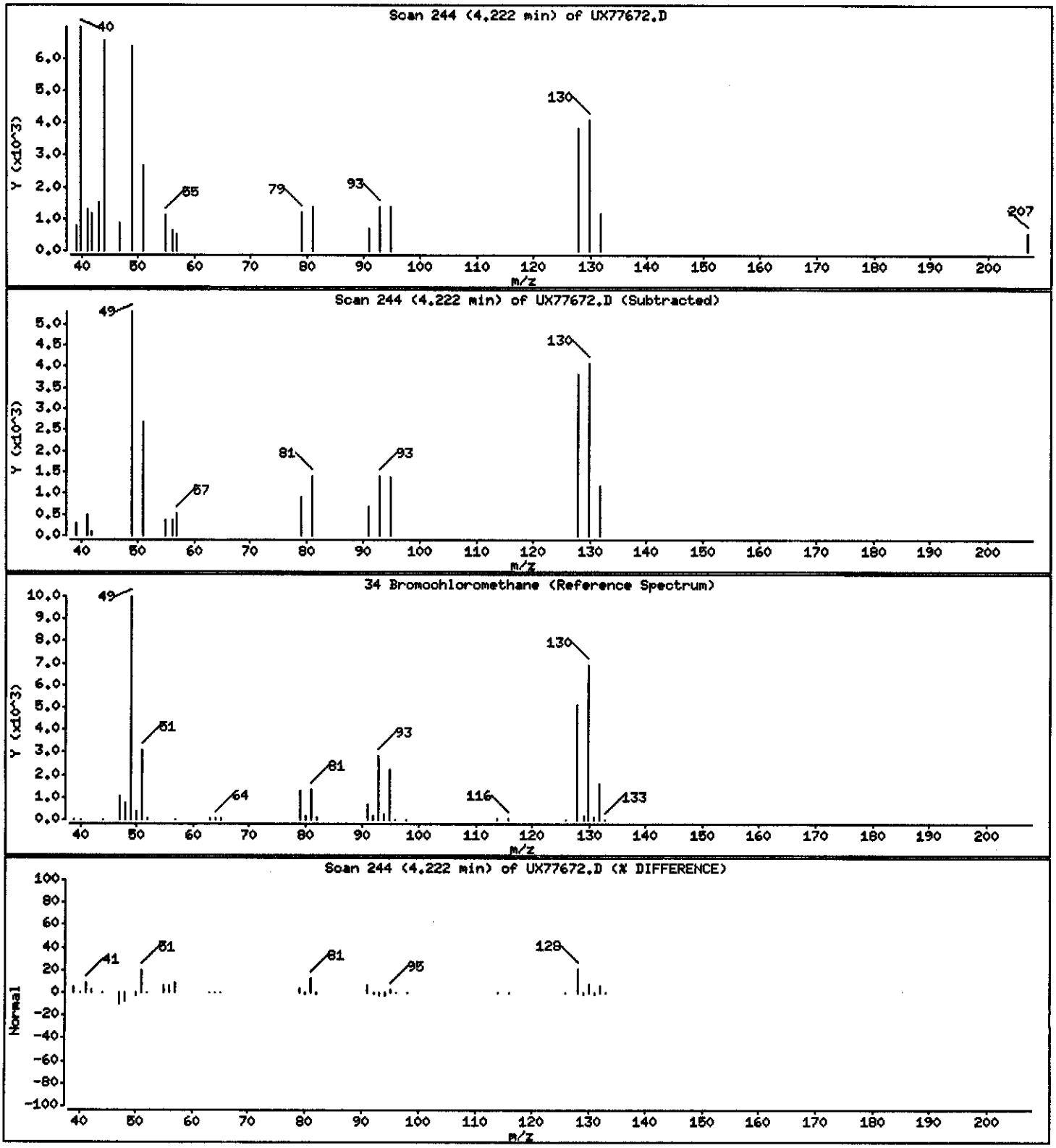
Client ID: MW507B/070804 Instrument: a3ux7.i

Sample Info: GKVPT1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

34 Bromochloromethane Concentration: 0.5354 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77672.D

Date : 15-JUL-2004 18:12

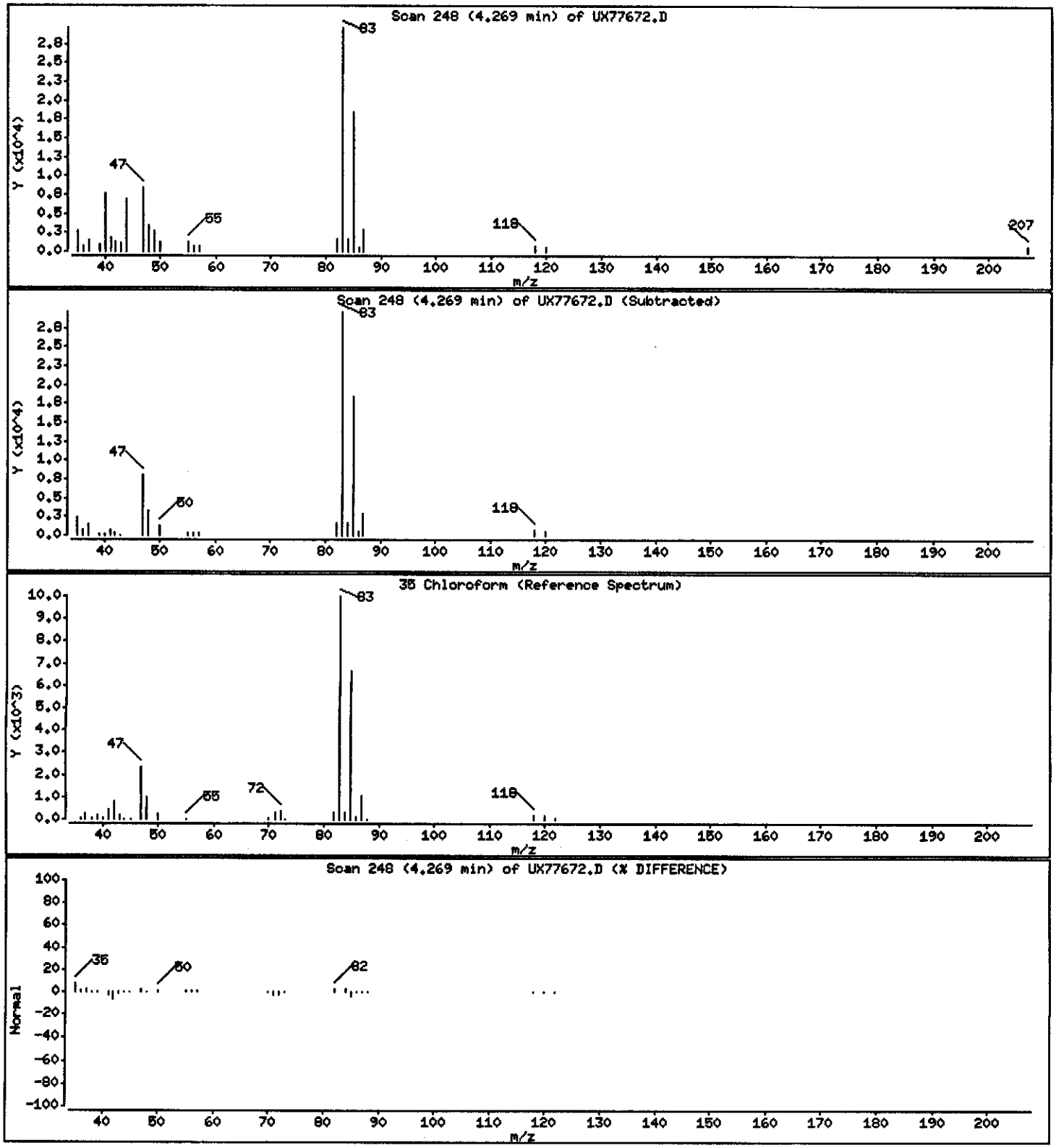
Client ID: MW507B/070804 Instrument: a3ux7.i

Sample Info: GKVPT1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

35 Chloroform Concentration: 1.096 ug/L



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Date : 15-JUL-2004 18:12

Client ID: MW507B/070804

Instrument: a3ux7.i

Sample Info: GKVPT1AA,5ML/5ML

Purge Volume: 5.0

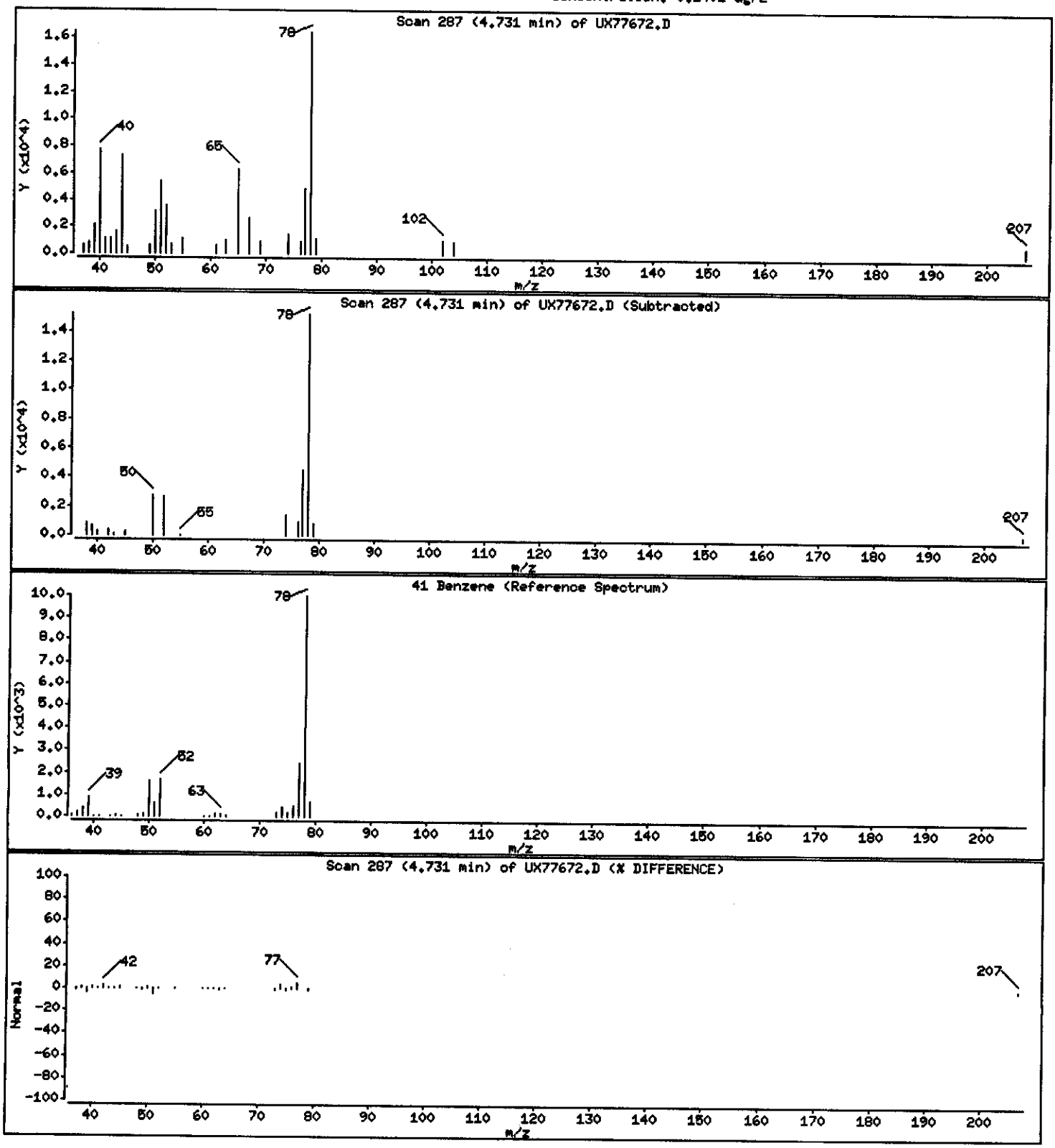
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

41 Benzene

Concentration: 0.2401 ug/L



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Date : 15-JUL-2004 18:12

Client ID: MW507B/070804

Instrument: a3ux7.i

Sample Info: GKVPT1AA,5ML/5ML

Purge Volume: 5.0

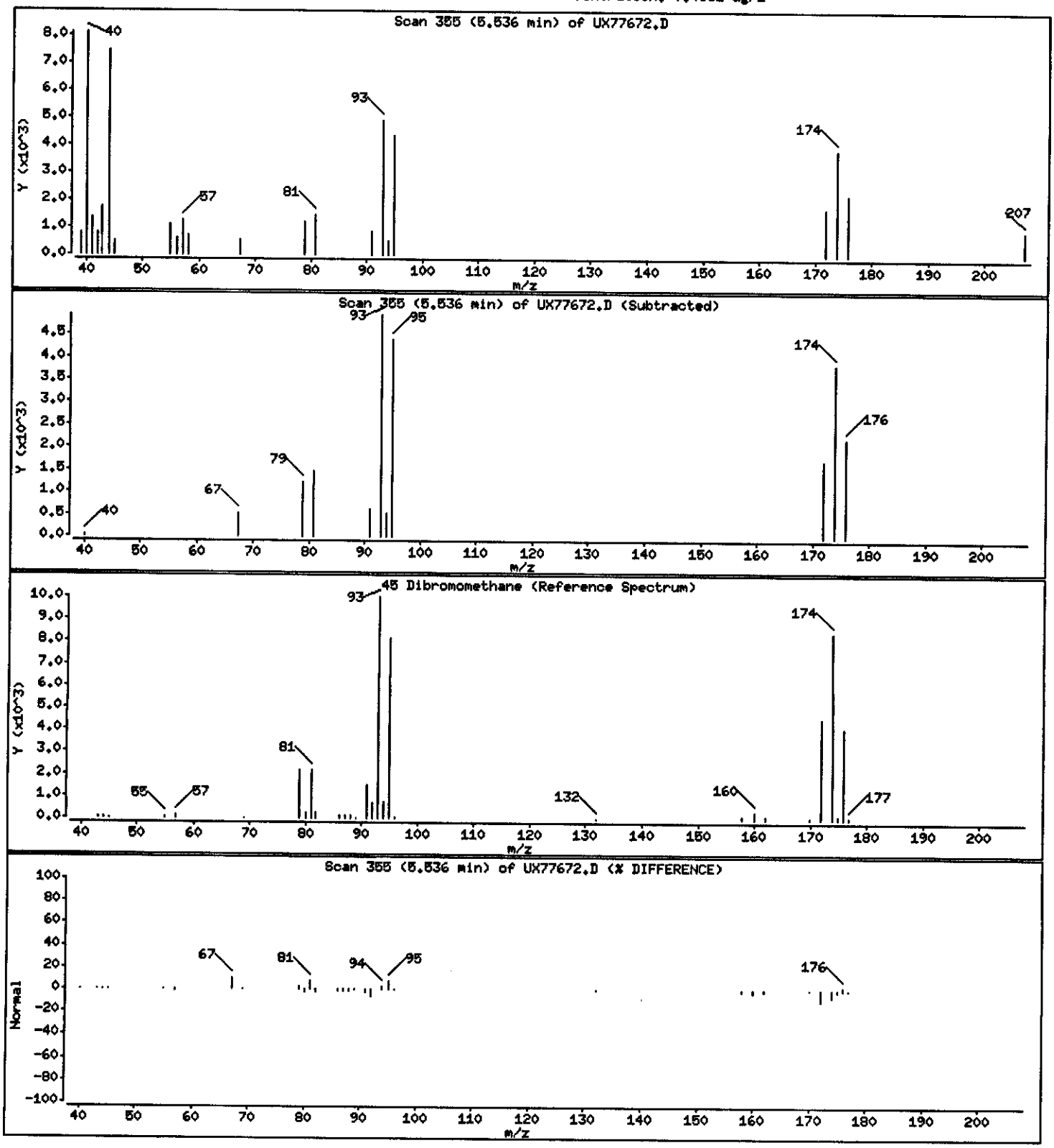
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

45 Dibromomethane

Concentration: 0.4531 ug/L



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Date : 15-JUL-2004 18:12

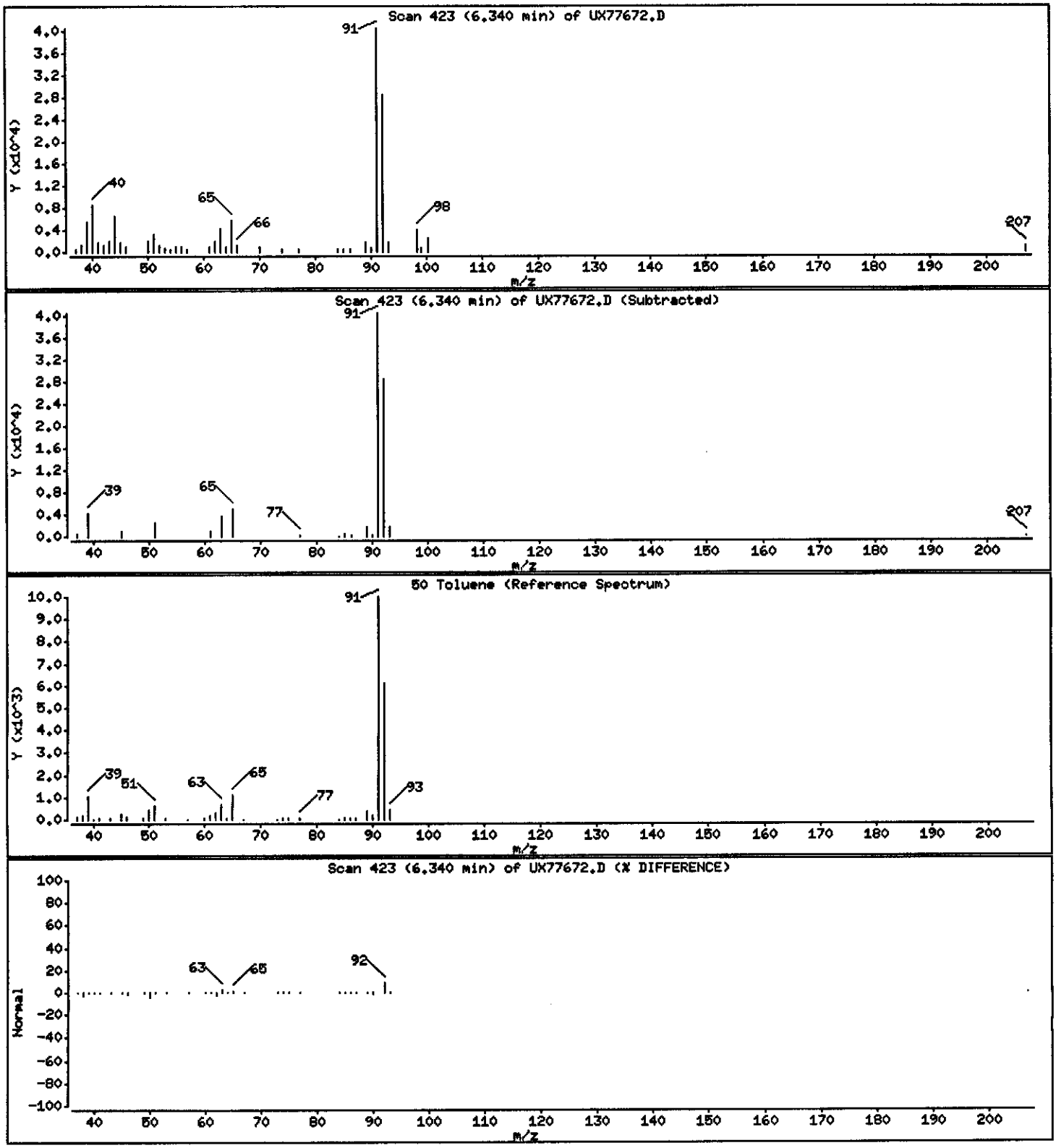
Client ID: MW507B/070804 Instrument: a3ux7.i

Sample Info: GKVPT1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

50 Toluene Concentration: 0.5055 ug/L



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Date : 15-JUL-2004 18:12

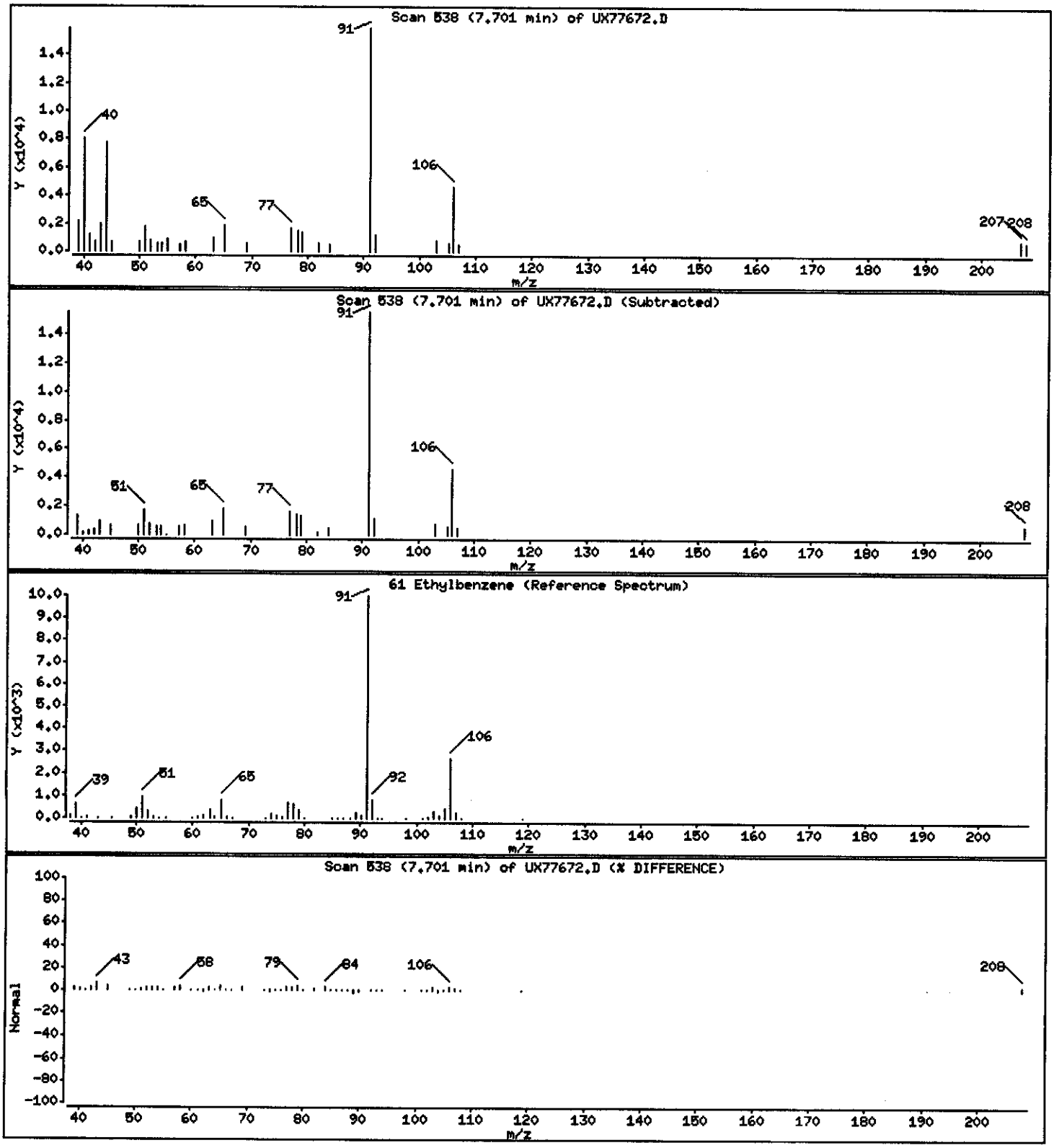
Client ID: MW507B/070804 Instrument: a3ux7.i

Sample Info: GKVPT1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

61 Ethylbenzene Concentration: 0.1691 ug/L



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Date : 15-JUL-2004 18:12

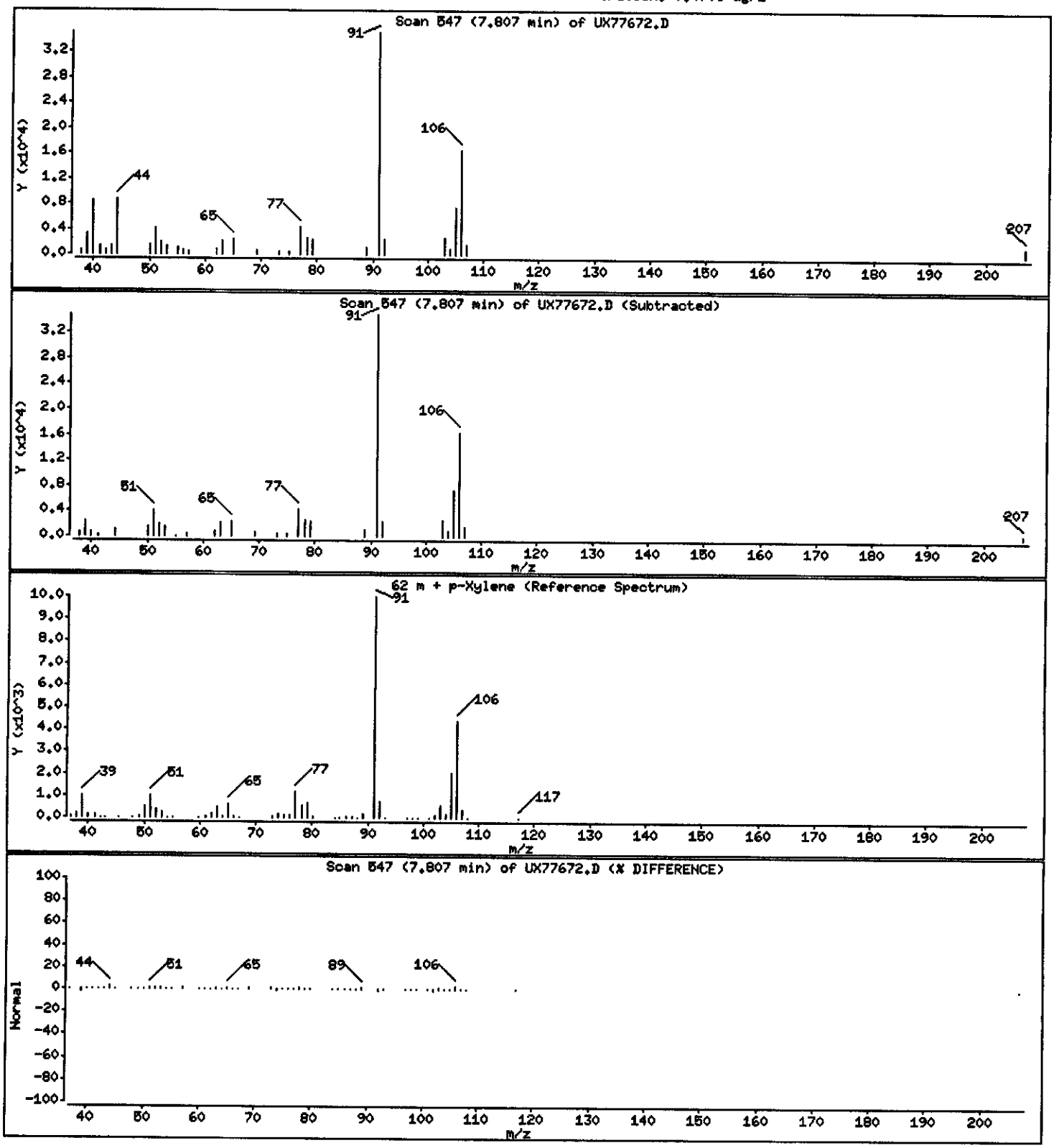
Client ID: MW507B/070804 Instrument: a3ux7.i

Sample Info: GKVPT1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

62 m + p-Xylene Concentration: 0.4705 ug/L



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Date : 15-JUL-2004 18:12

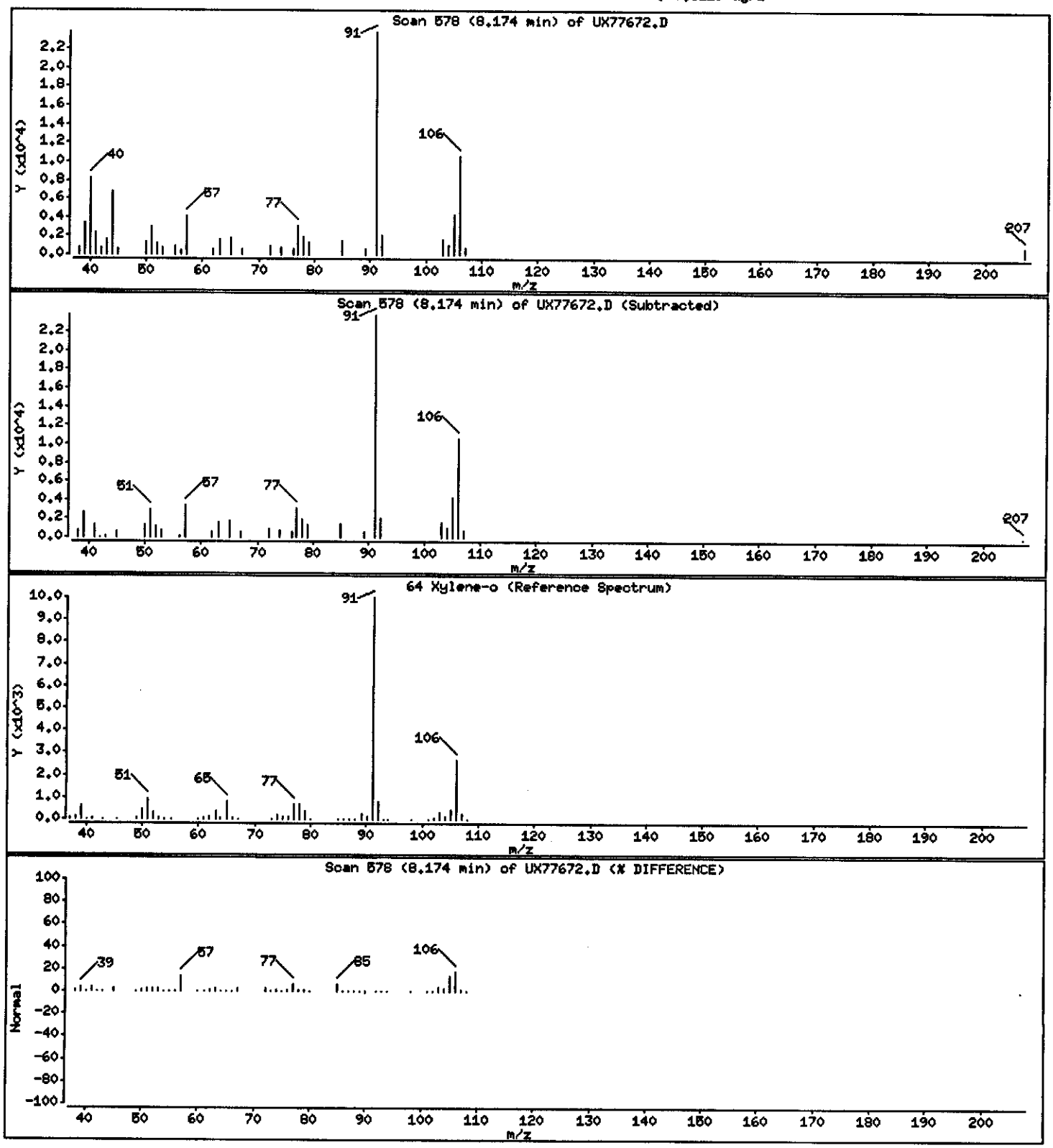
Client ID: MW507B/070804 Instrument: a3ux7.i

Sample Info: GKVPT1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

64 Xylene-o Concentration: 0.3119 ug/L



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Date : 15-JUL-2004 18:12

Client ID: MW507B/070804

Instrument: a3ux7.i

Sample Info: GKVPT1AA,5ML/5ML

Purge Volume: 5.0

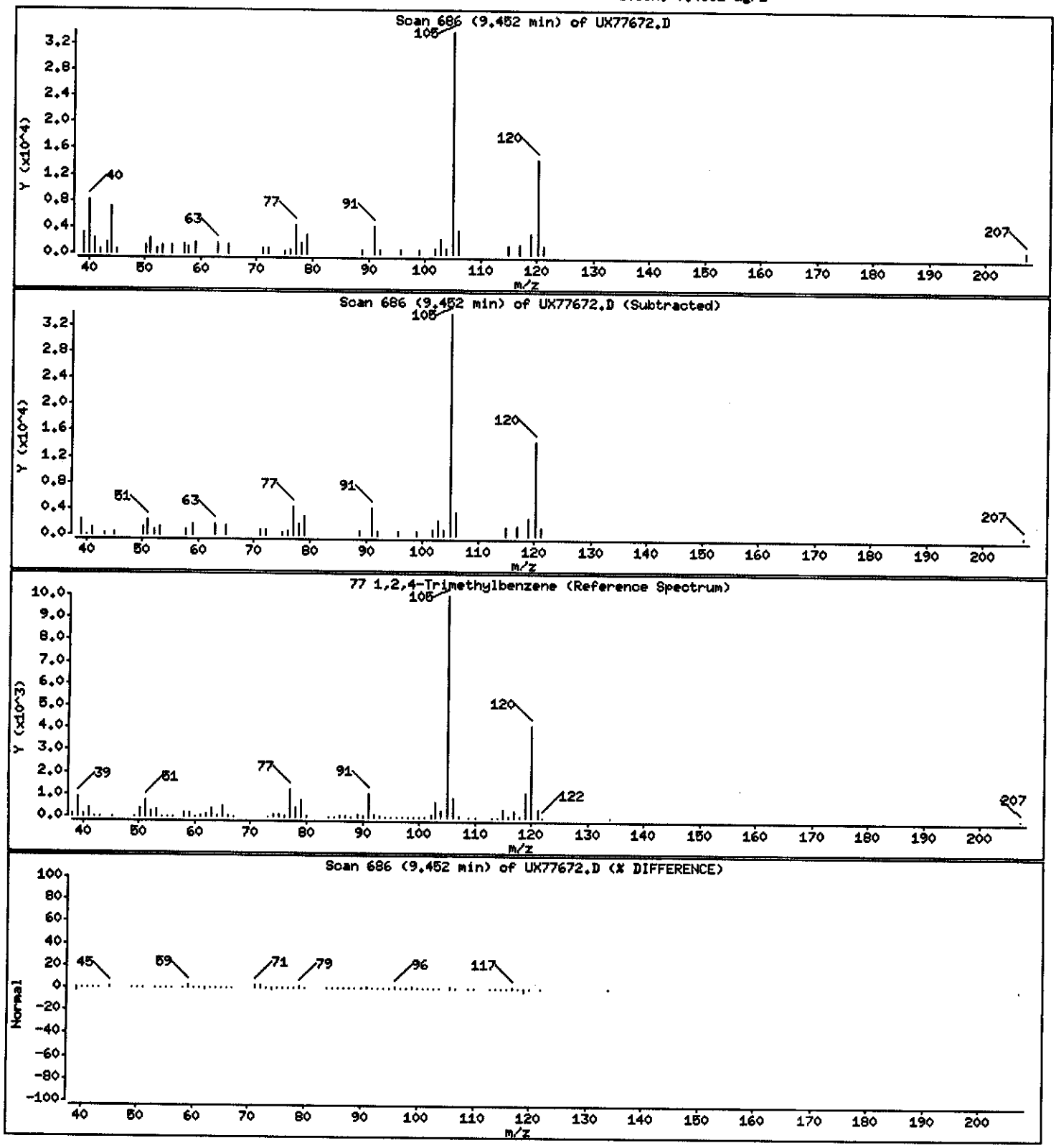
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

77 1,2,4-Trimethylbenzene

Concentration: 0.4552 ug/L



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Date : 15-JUL-2004 18:12

Client ID: MW507B/070804

Instrument: a3ux7.i

Sample Info: GKVPT1AA,5ML/5ML

Purge Volume: 5.0

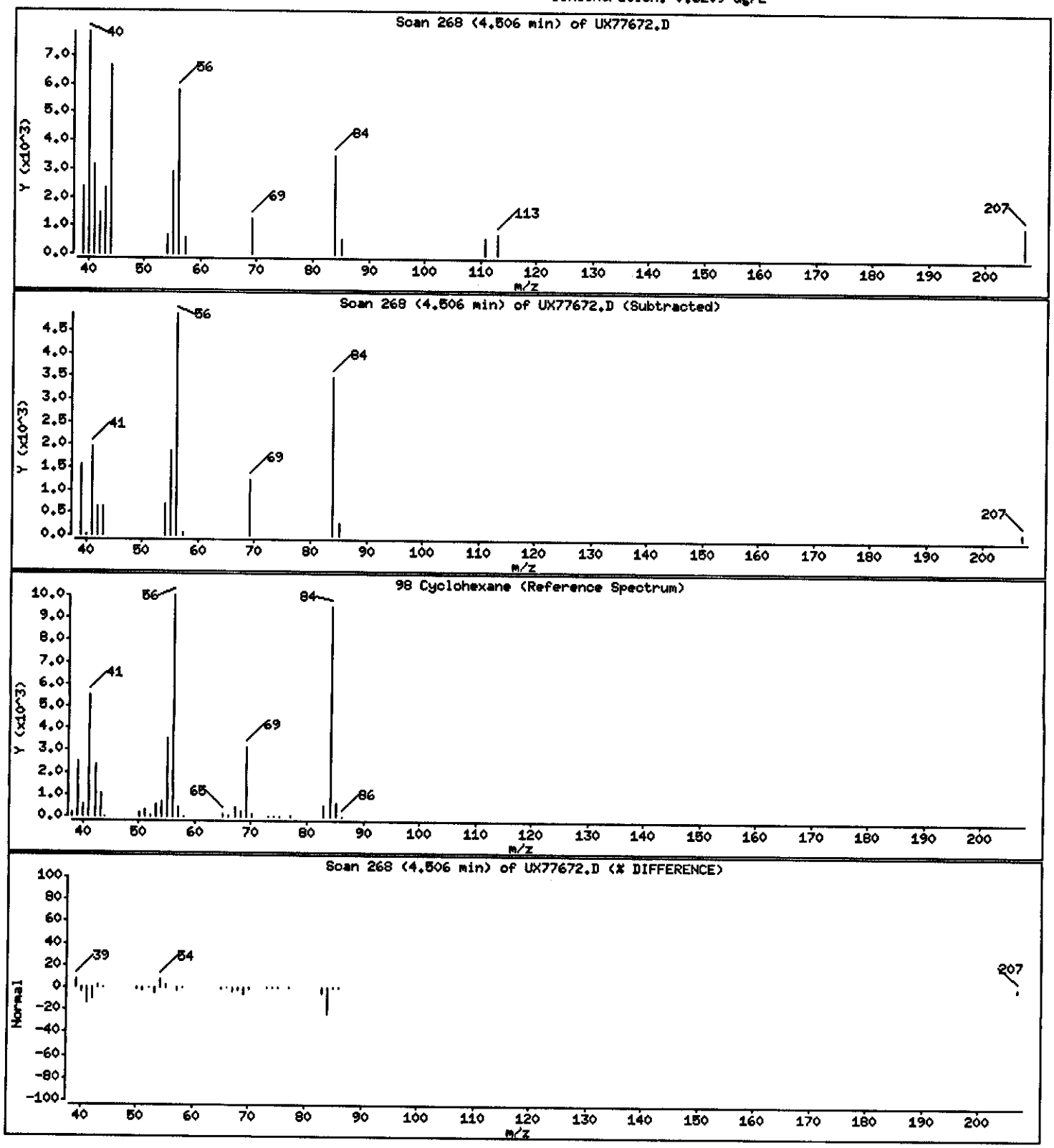
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

98 Cyclohexane

Concentration: 0.3209 ug/L



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Date : 15-JUL-2004 18:12

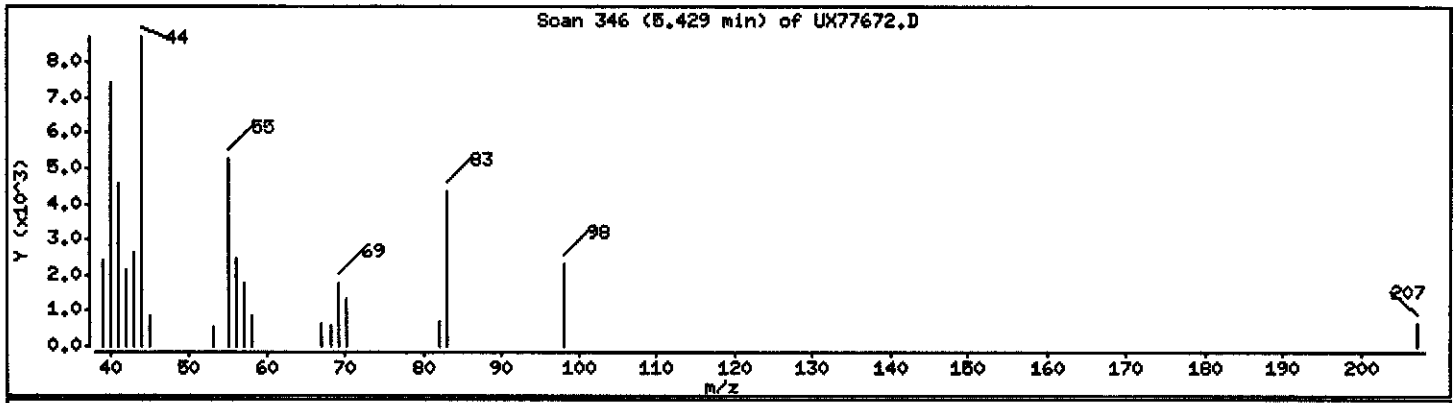
Client ID: MW507B/070804 Instrument: a3ux7.i

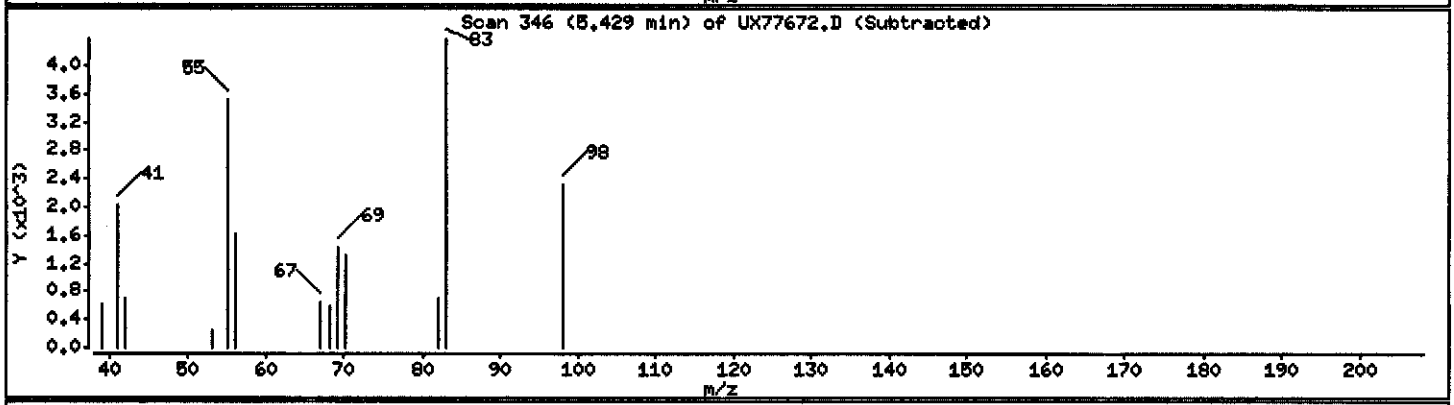
Sample Info: GKVPT1AA,5ML/5ML

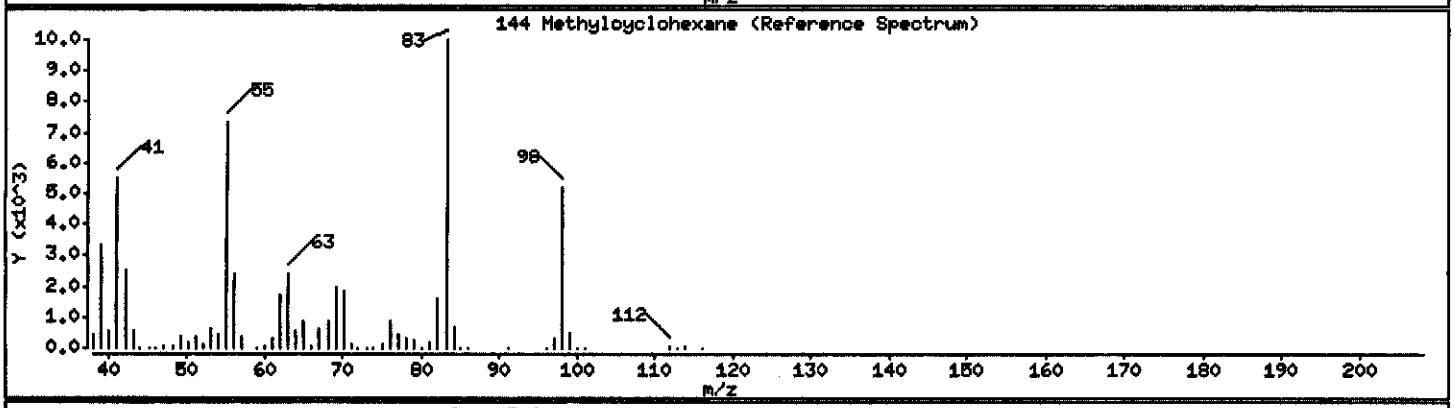
Purge Volume: 5.0 Operator: 1754

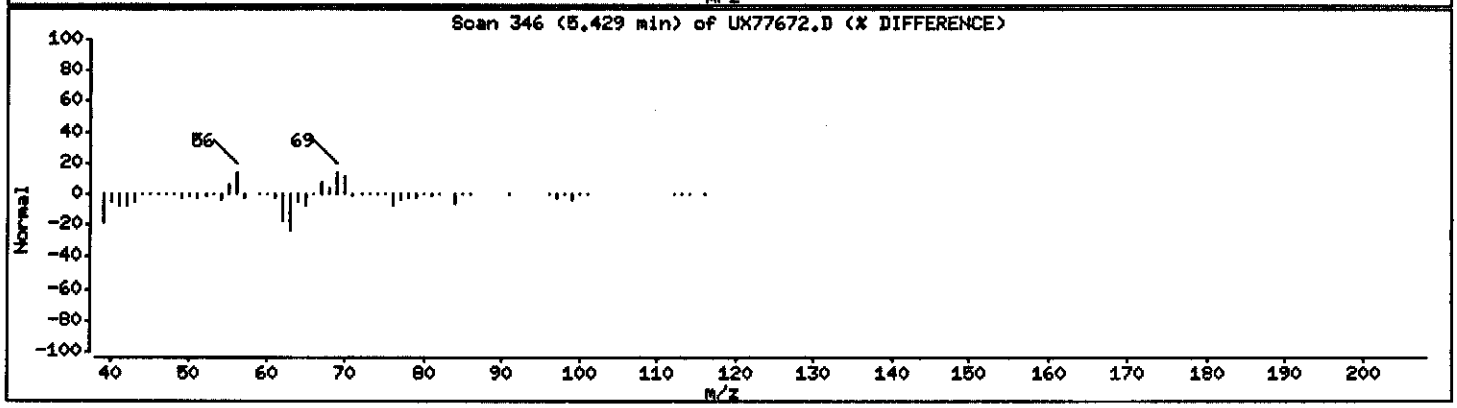
Column phase: DB624 20m Column diameter: 0.18

144 Methylcyclohexane Concentration: 0.2505 ug/L









PAYNE FIRM INC.

Client Sample ID: MW509B/070804

GC/MS Volatiles

Lot-Sample #...: A4G100202-004 **Work Order #...:** GKVPX1AA **Matrix.....:** WG
Date Sampled...: 07/08/04 13:10 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202226
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	**0.63 J**	**10**	**ug/L**
Carbon disulfide	**0.96 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	**0.39 J**	**1.0**	**ug/L**
Chloromethane	**0.22 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	**88**	**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: MW509B/070804

GC/MS Volatiles

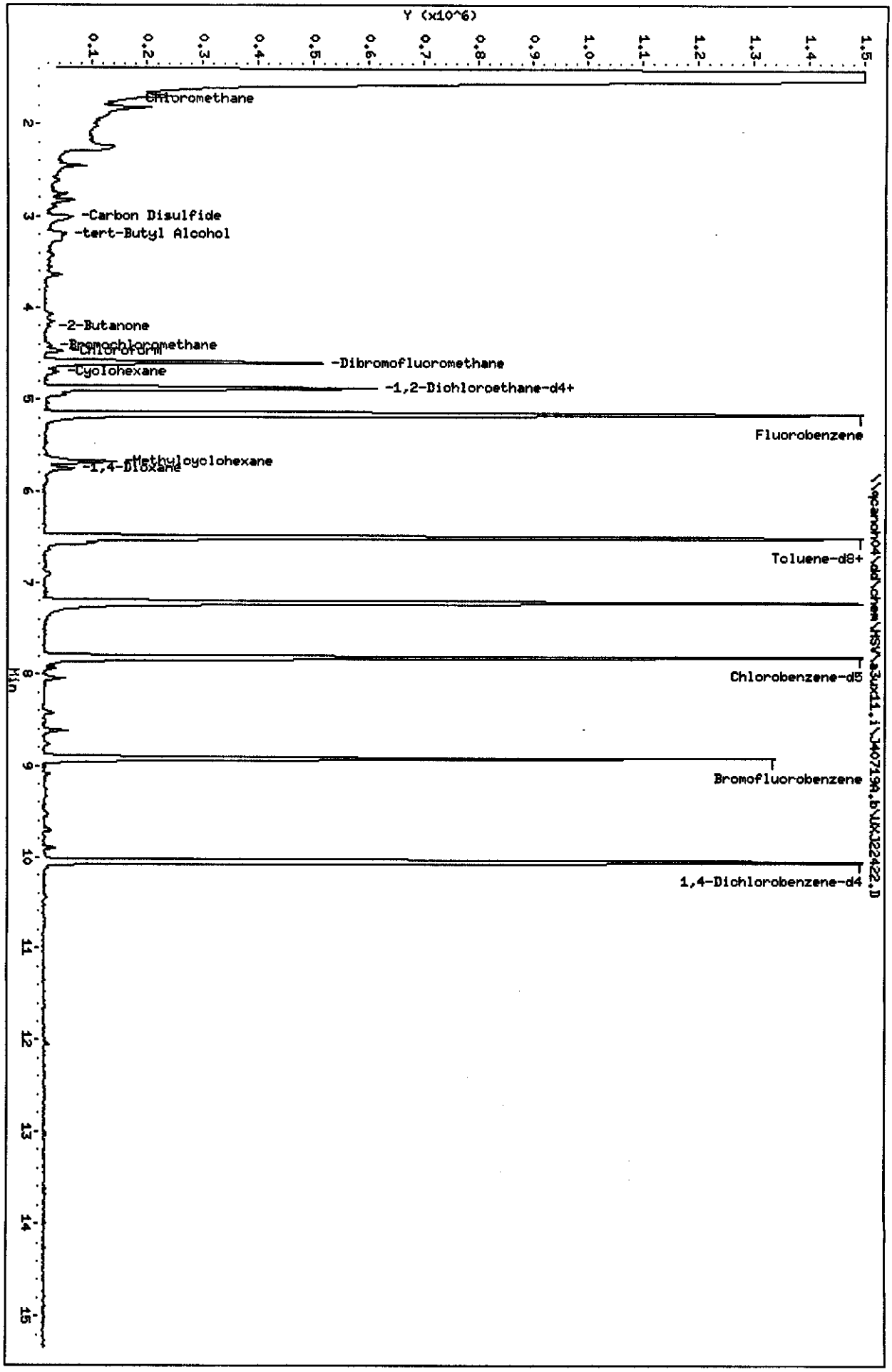
Lot-Sample #...: A4G100202-004 **Work Order #...:** GKVPX1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.24 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	105	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	84	(76 - 110)
4-Bromofluorobenzene	76	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.


Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J407190.b\UX322422.D
Date : 19-JUL-2004 14:17
Client ID: HW509B/070604
Sample Info: GKVPX100,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Chloromethane
-Carbon Disulfide
-tert-Butyl Alcohol
-2-Butanone
-Bromochloromethane
Chloroform
-Dibromofluoromethane
-Cyclohexane
-1,2-Dichloroethane-d4+
Fluorobenzene
-Methylcyclohexane
-1,4-Dioxane
Toluene-d8+
Chlorobenzene-d5
Bromofluorobenzene
1,4-Dichlorobenzene-d4
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22422.D
Report Date: 20-Jul-2004 11:08

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22422.D
Lab Smp Id: GKVPX1AA Client Smp ID: MW509B/070804
Inj Date : 19-JUL-2004 14:17
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GKVPX1AA,5ML/5ML
Misc Info : J40719A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\8260LLUX11.m
Meth Date : 20-Jul-2004 10:58 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	1701776	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1440811	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	688888	50.0000	
$ 4 Dibromofluoromethane	113	4.591	4.591	(0.890)	368174	52.3697	10.474
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	452922	49.6857	9.937
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	1440116	41.9091	8.382
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	550449	38.1617	7.632
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.728	1.728	(0.335)	13958	1.07782	0.2156
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\a3ux11.i\J40719A.b\UXJ22422.D
Report Date: 20-Jul-2004 11:08

	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	3.006	3.006	(0.583)	141375	4.80005	0.9600
	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	3.254	3.254	(0.631)	20732	34.4565	6.891
	30 2-Butanone	43	4.213	4.201	(0.817)	15338	3.16476	0.6330
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	4.414	4.414	(0.856)	4042	0.97990	0.1960
	35 Chloroform	83	4.473	4.461	(0.867)	28833	1.94523	0.3890
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.946	4.934	(0.959)	31262	0.80406	0.1608
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.751	5.751	(1.115)	40627	440.243	88.049(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	6.567	6.567	(0.841)	52659	1.20525	0.2410
	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\a3ux11.i\J40719A.b\UXJ22422.D
Report Date: 20-Jul-2004 11:08

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.698	4.698	(0.911)	12555	0.84139	0.1683
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.656	5.644	(1.096)	13441	1.10207	0.2204
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\a3ux11.i\J40719A.b\UXJ22422.D

Date : 19-JUL-2004 14:17

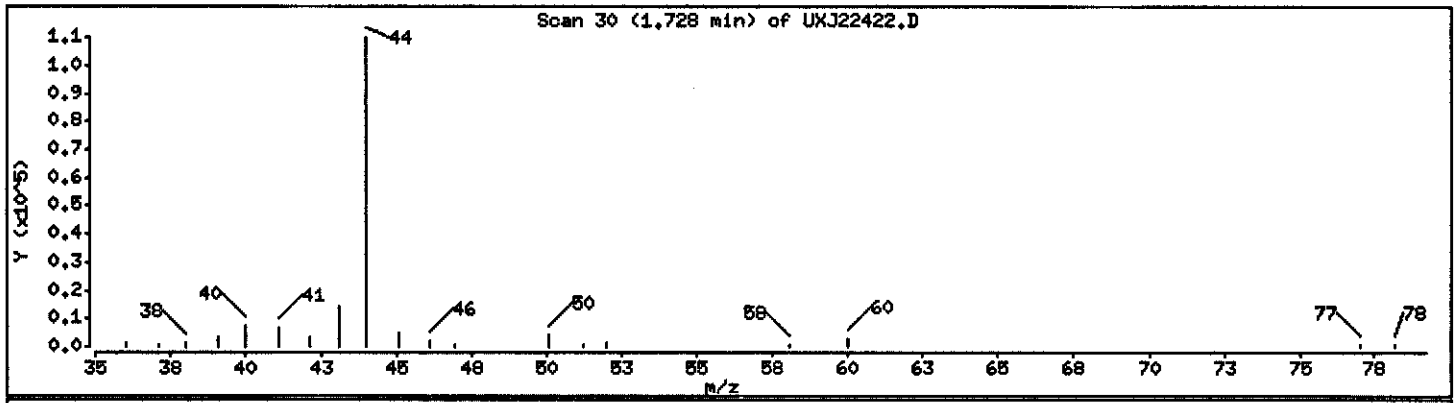
Client ID: MW509B/070804 Instrument: a3ux11.i

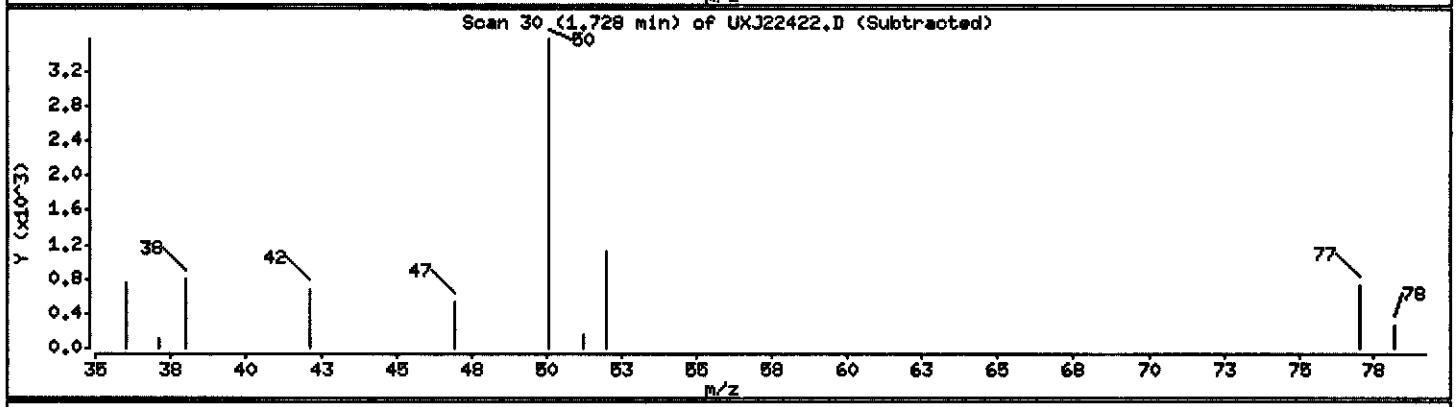
Sample Info: CKVPX1AA,5ML/5ML

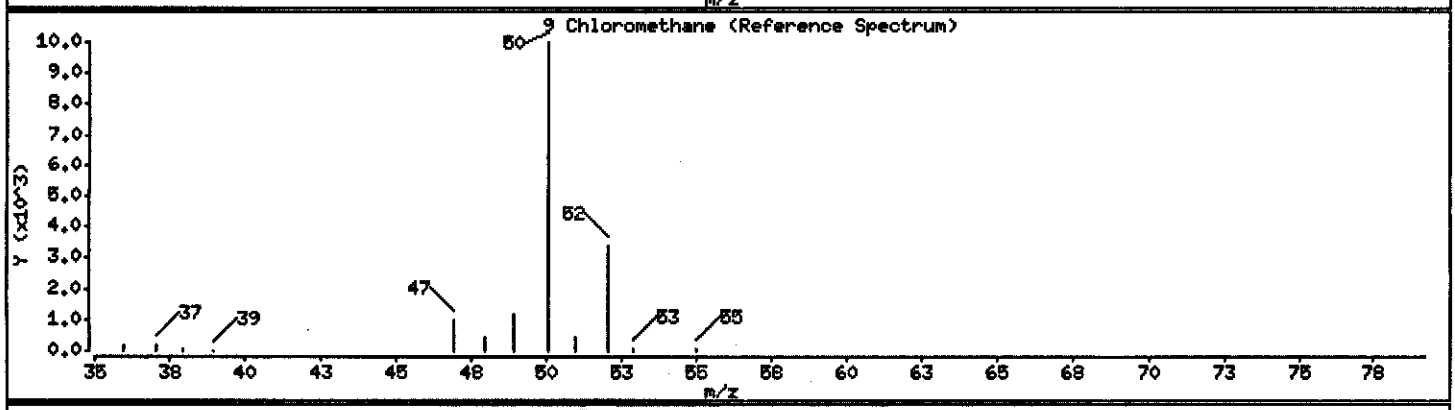
Purge Volume: 5.0 Operator: 43582

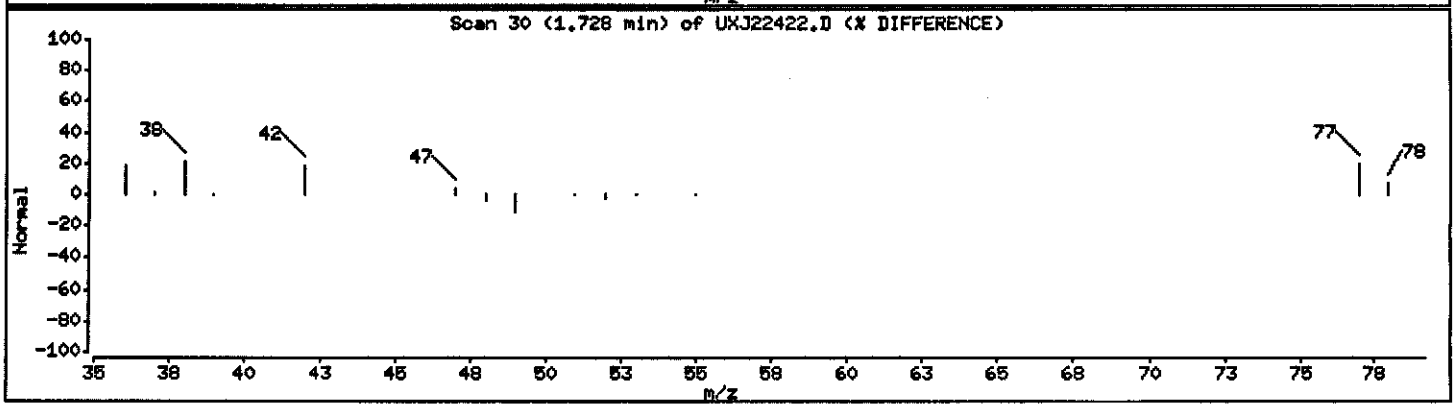
Column phase: DB624 Column diameter: 0.18

9 Chloromethane Concentration: 0.2156 ug/L









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Date : 19-JUL-2004 14:17

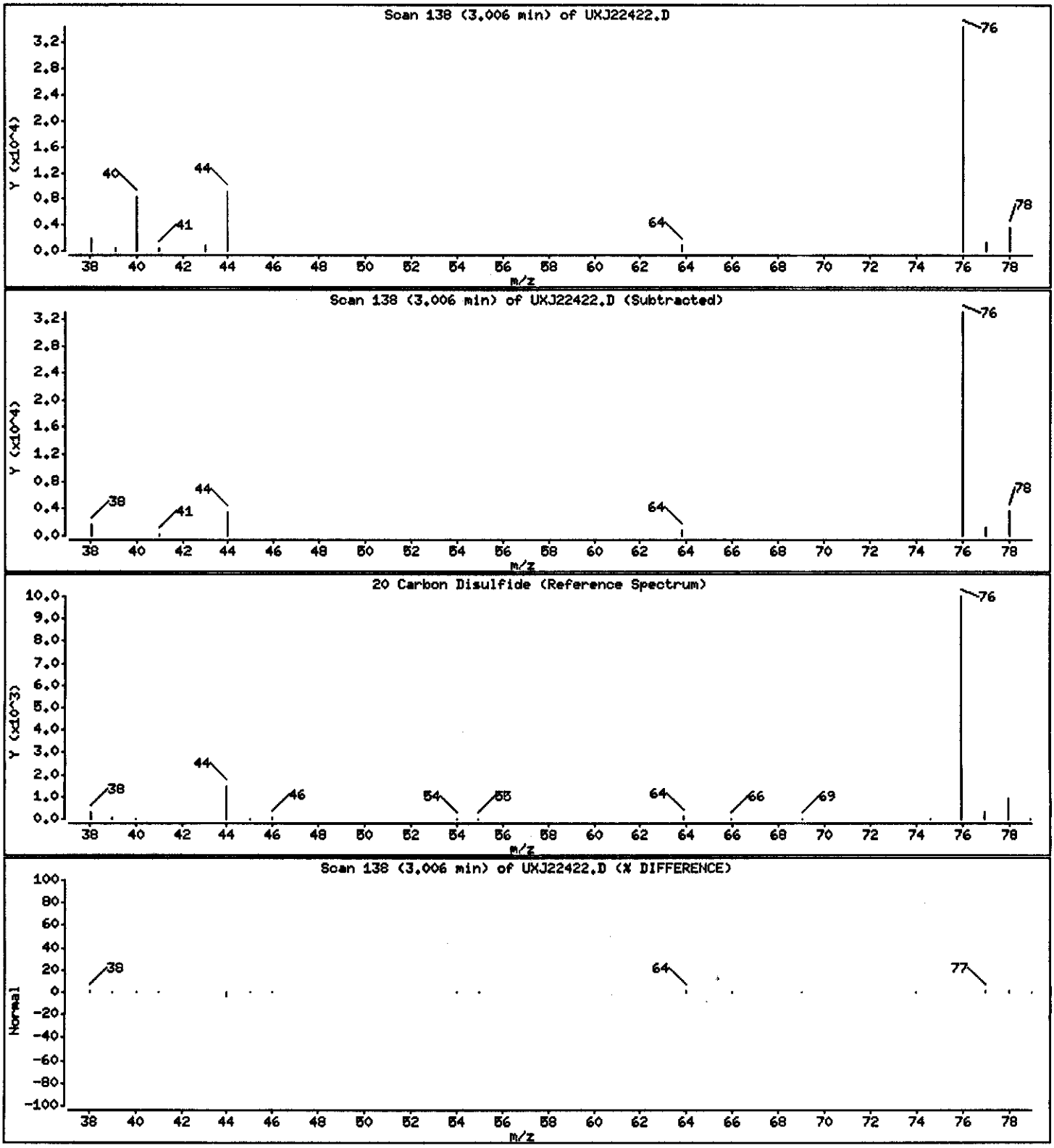
Client ID: MW509B/070804 Instrument: a3ux11.i

Sample Info: GKVPX1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.9600 ug/L



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Date : 19-JUL-2004 14:17

Client ID: MW509B/070804

Instrument: a3ux11.i

Sample Info: GKVPX1AA,5ML/5ML

Purge Volume: 5.0

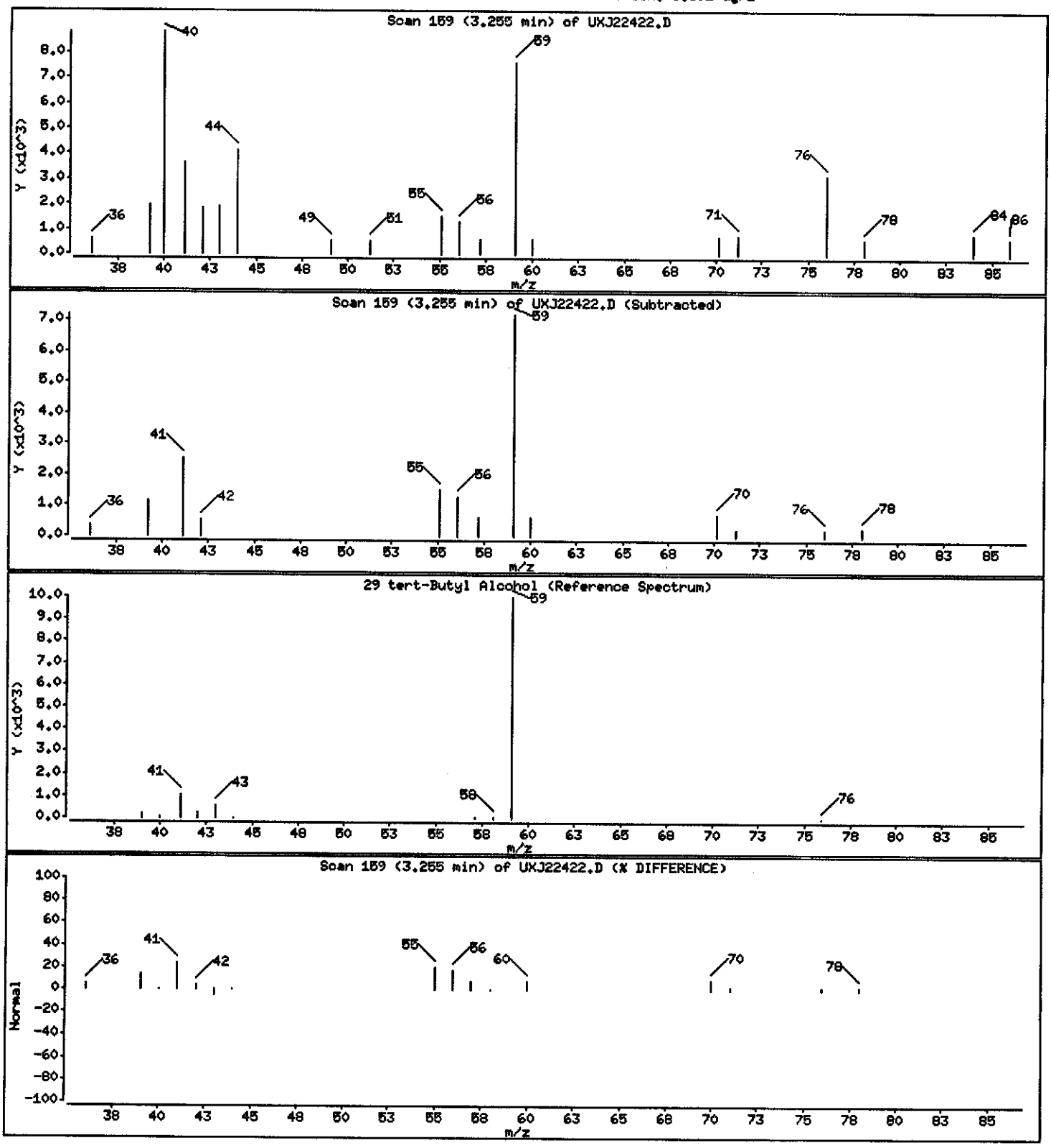
Operator: 43582

Column phase: DB624

Column diameter: 0.18

29 tert-Butyl Alcohol

Concentration: 6.891 ug/L



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Date : 19-JUL-2004 14:17

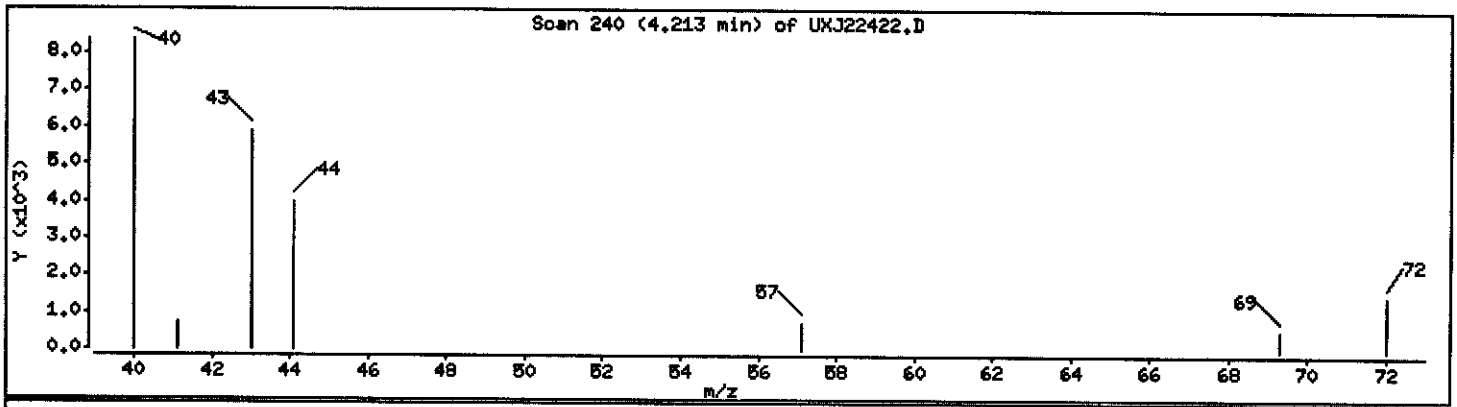
Client ID: MW509B/070804 Instrument: a3ux11.i

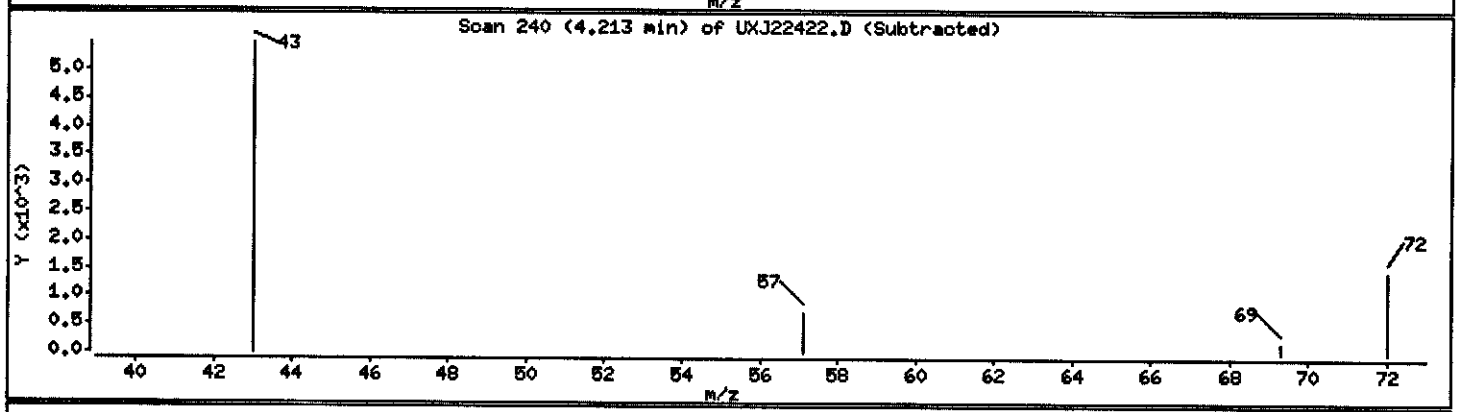
Sample Info: GKVPX1AA,5ML/5ML

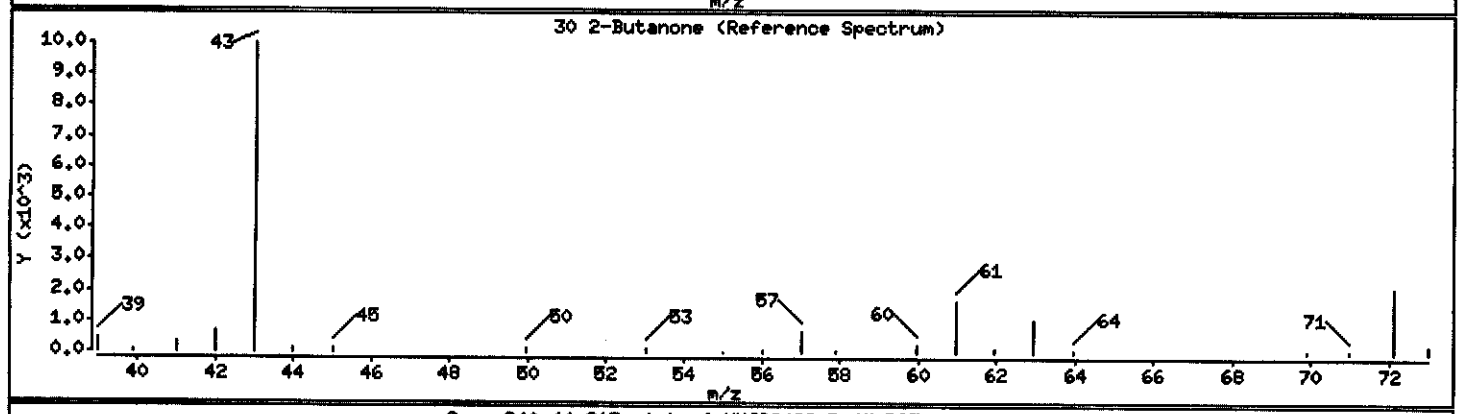
Purge Volume: 5.0 Operator: 43582

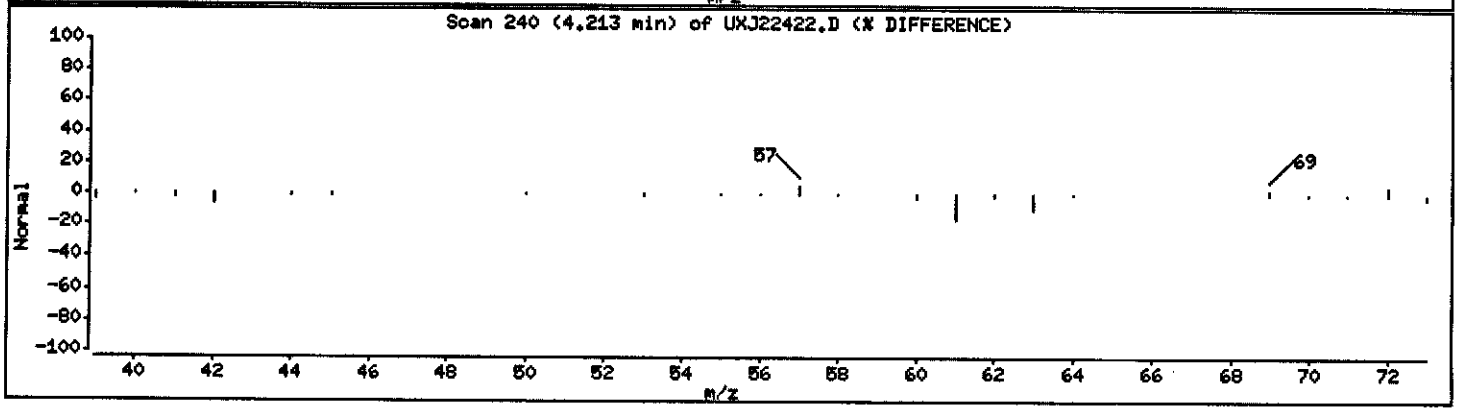
Column phase: DB624 Column diameter: 0.18

30 2-Butanone Concentration: 0.6330 ug/L









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Date : 19-JUL-2004 14:17

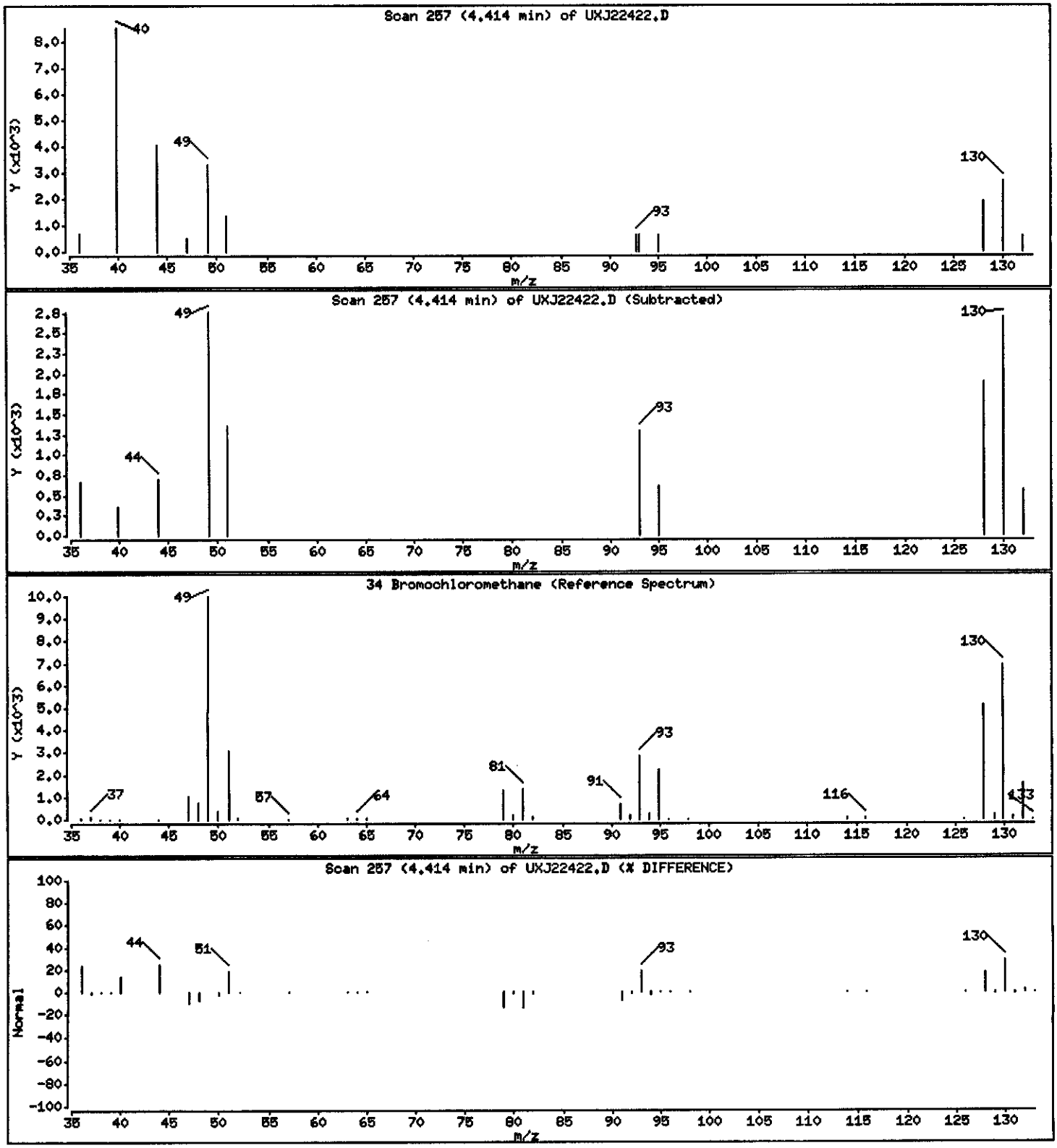
Client ID: MW509B/070804 Instrument: a3ux11.i

Sample Info: GKVPX1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

34 Bromochloromethane Concentration: 0.1960 ug/L



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Date : 19-JUL-2004 14:17

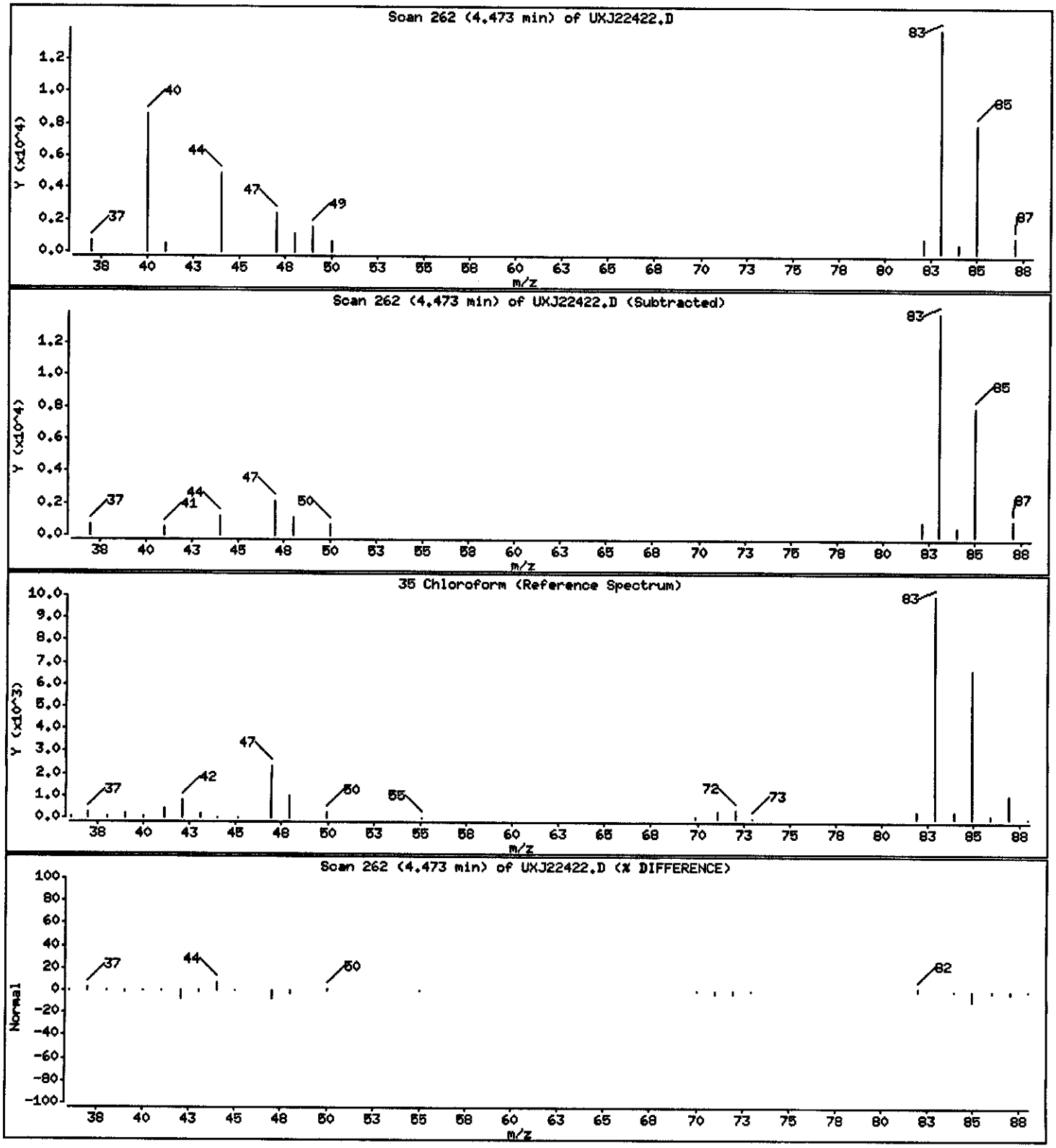
Client ID: MW509B/070804 Instrument: a3ux11.i

Sample Info: GKVPX1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 0.3890 ug/L



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Date : 19-JUL-2004 14:17

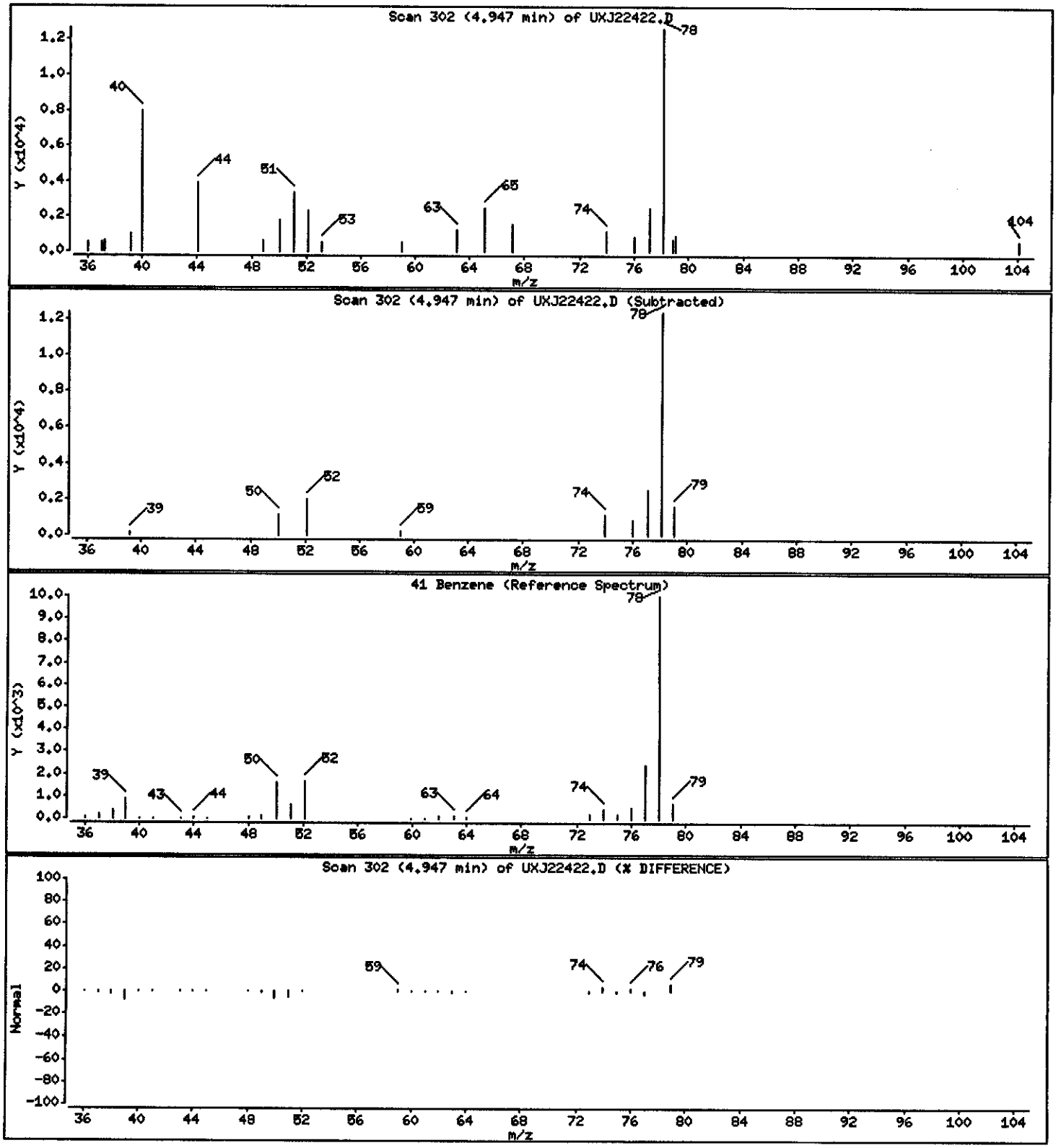
Client ID: MW509B/070804 Instrument: a3ux11.i

Sample Info: GKVPX1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.1608 ug/L



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Date : 19-JUL-2004 14:17

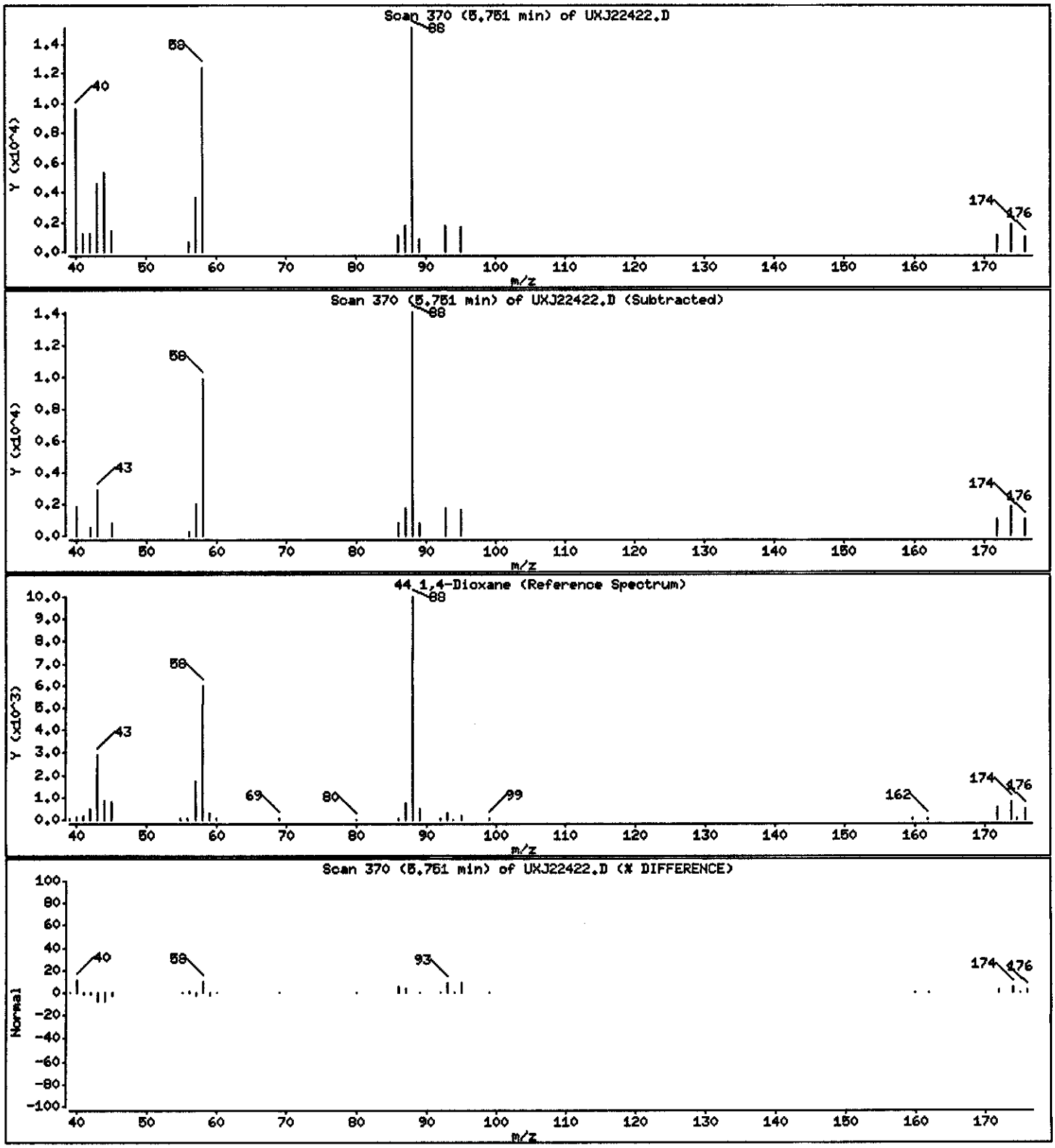
Client ID: MW509B/070804 Instrument: a3ux11.i

Sample Info: CKVPX1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 88.049 ug/L



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Date : 19-JUL-2004 14:17

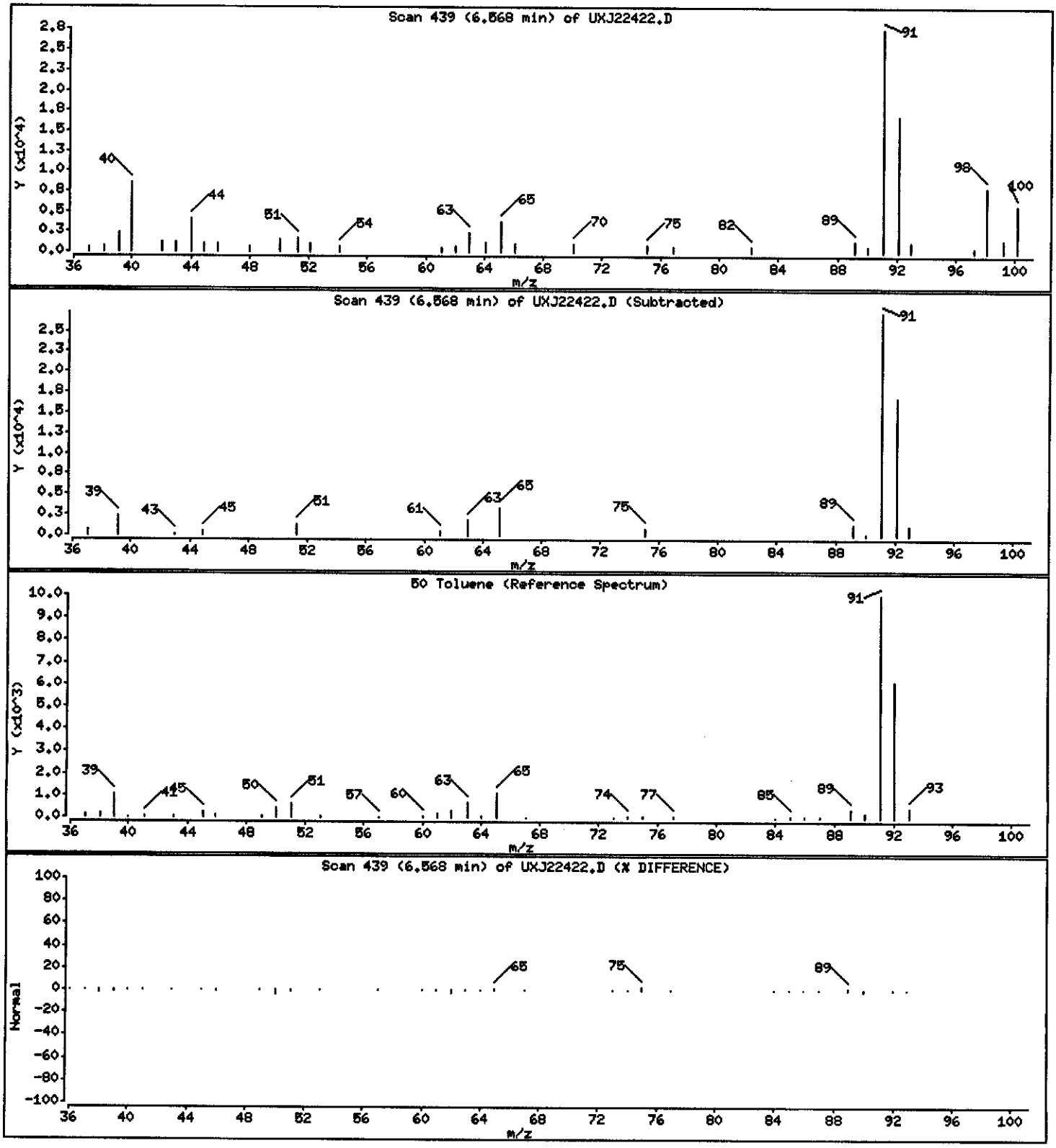
Client ID: MW509B/070804 Instrument: a3ux11.i

Sample Info: GKVPX1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.2410 ug/L



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Date : 19-JUL-2004 14:17

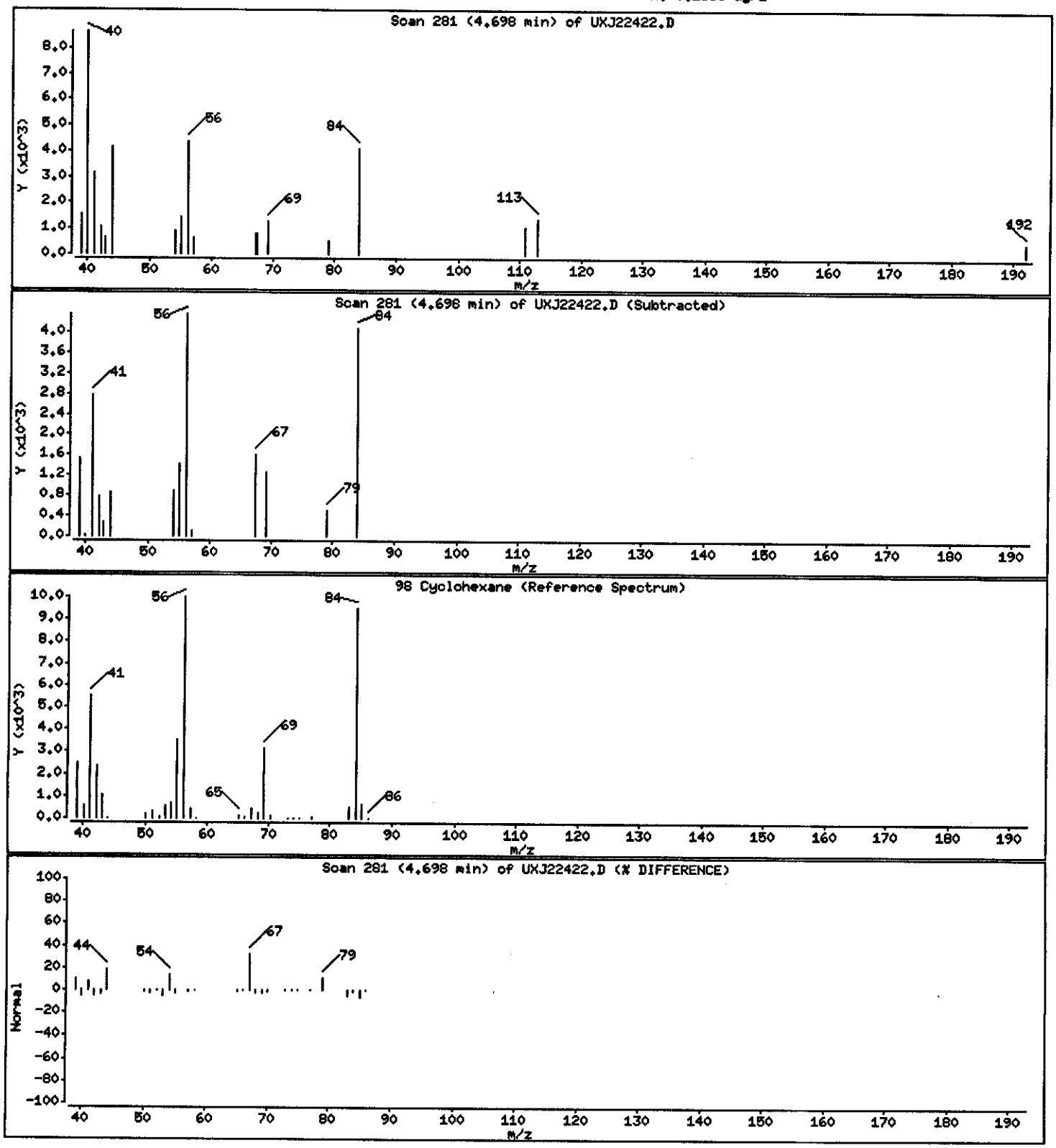
Client ID: MW509B/070804 Instrument: a3ux11.i

Sample Info: GKVPX1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

98 Cyclohexane Concentration: 0.1683 ug/L



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Date : 19-JUL-2004 14:17

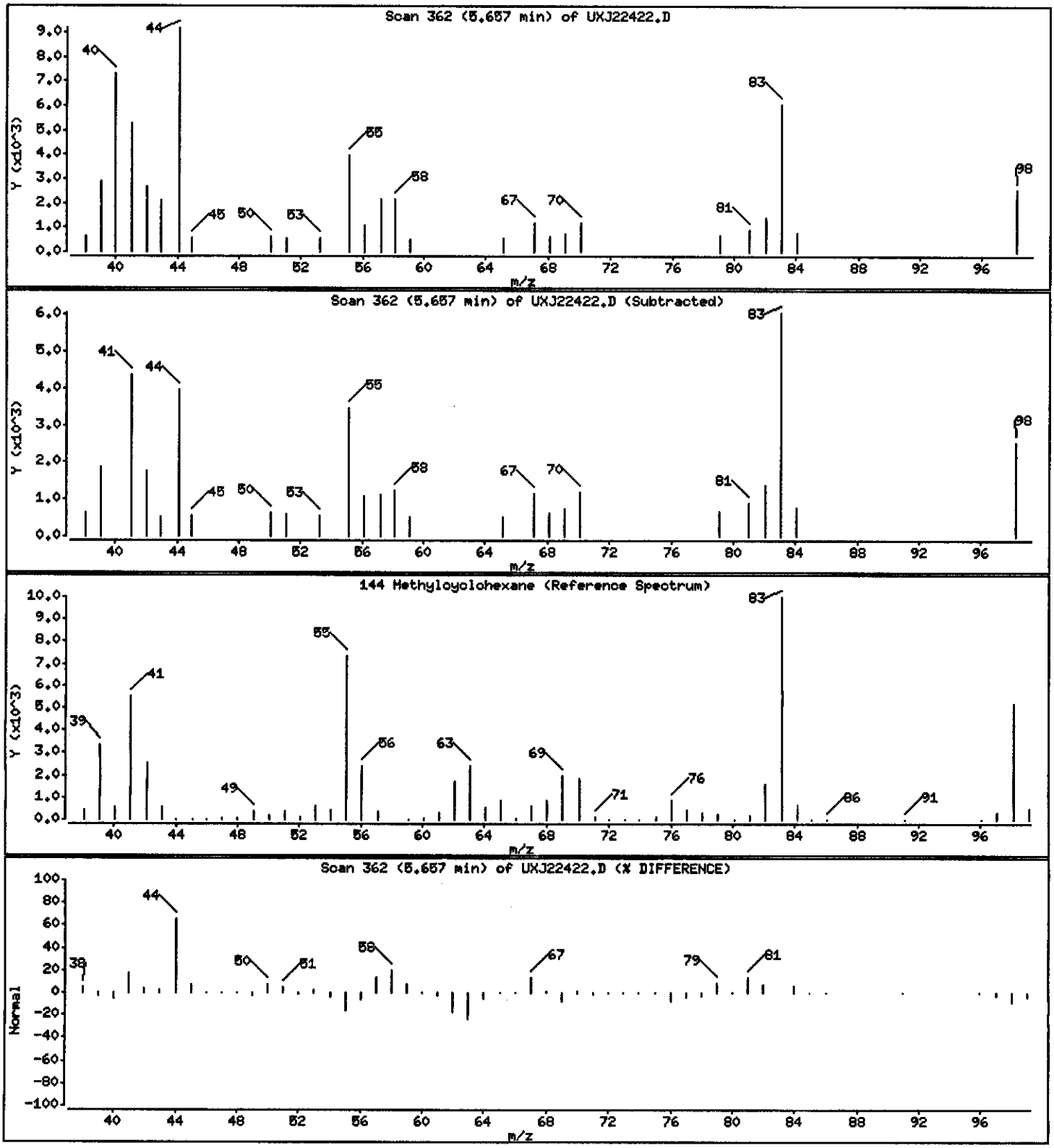
Client ID: MW509B/070804 Instrument: a3ux11.i

Sample Info: CKVPX1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

144 Methylcyclohexane Concentration: 0.2204 ug/L



PAYNE FIRM INC.

Client Sample ID: MW509A/070804

GC/MS Volatiles

Lot-Sample #...: A4G100202-005 **Work Order #...:** GKVP11AA **Matrix.....:** WG
Date Sampled...: 07/08/04 13:33 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202226
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.8 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	**0.48 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	**0.20 J**	**1.0**	**ug/L**
Chloromethane	**0.16 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	**0.27 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	**54**	**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: MW509A/070804

GC/MS Volatiles

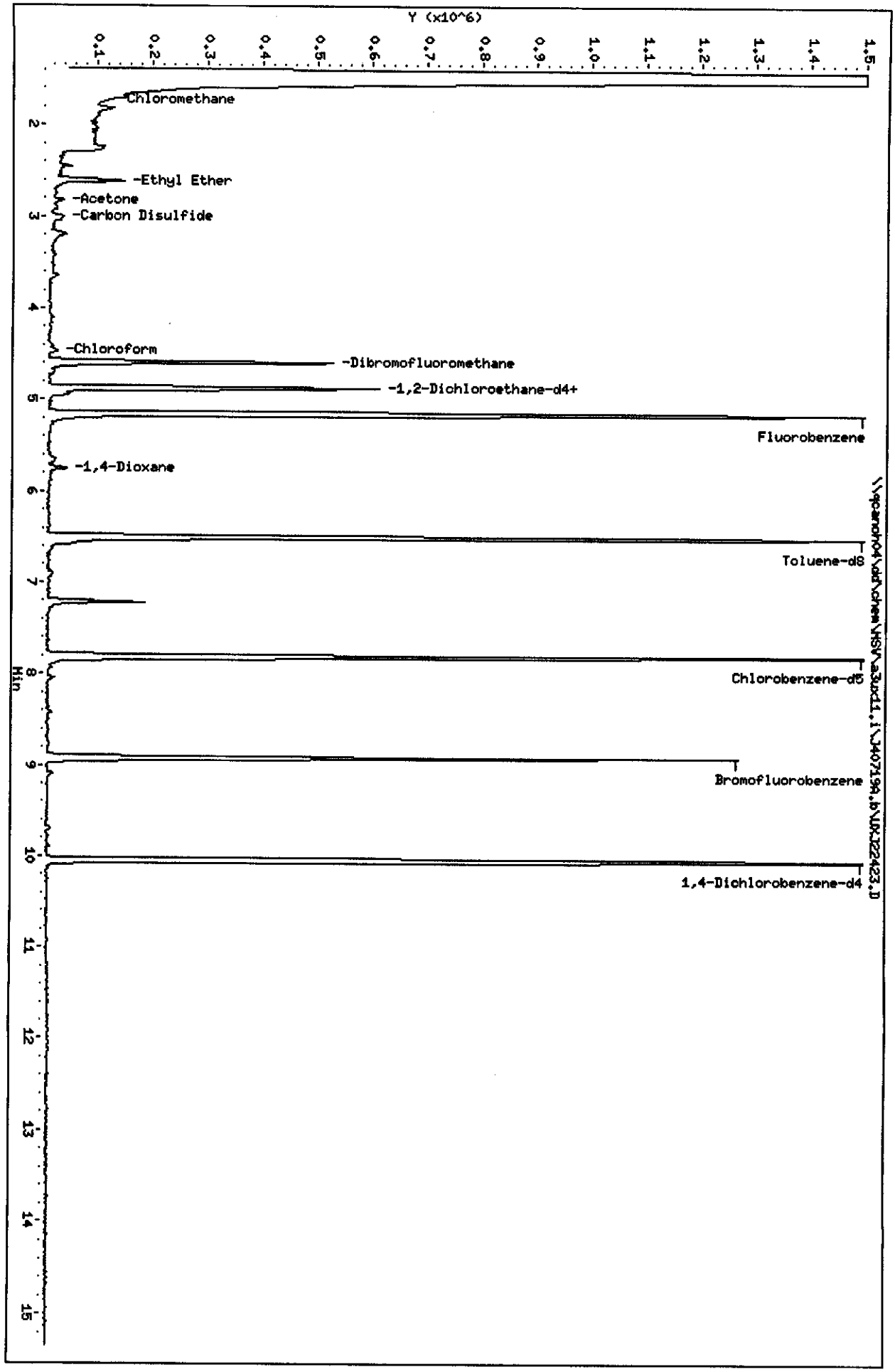
Lot-Sample #...: A4G100202-005 **Work Order #...:** GKVP11AA **Matrix.....:** WG

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	85	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.


Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J407190.b\UXJ22423.D
Date : 19-JUL-2004 14:40
Client ID: HW5090/070804
Sample Info: GXVP1190,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Chloromethane
-Ethyl Ether
-Acetone
-Carbon Disulfide
-Chloroform
-Dibromofluoromethane
-1,2-Dichloroethane-d4+
Fluorobenzene
-1,4-Dioxane
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene
1,4-Dichlorobenzene-d4
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22423.D
Report Date: 20-Jul-2004 11:08

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22423.D
Lab Smp Id: GKVP11AA Client Smp ID: MW509A/070804
Inj Date : 19-JUL-2004 14:40
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GKVP11AA,5ML/5ML
Misc Info : J40719A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\8260LLUX11.m
Meth Date : 20-Jul-2004 10:58 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	1642726	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1372906	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	667493	50.0000	
$ 4 Dibromofluoromethane	113	4.591	4.591	(0.890)	370794	54.6383	10.928
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	460843	52.3719	10.474
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	1399170	42.7314	8.546
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	544494	39.6160	7.923
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.728	1.728	(0.335)	9875	0.78994	0.1580
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	2.828	2.828	(0.548)	33490	8.83164	1.766
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22423.D
Report Date: 20-Jul-2004 11:08

	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	3.017	3.006	(0.585)	68600	2.41287	0.4826
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.473	4.461	(0.867)	13973	0.97658	0.1953
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	4.934	4.934	(0.956)	14986	1.37262	0.2745
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.763	5.751	(1.117)	23988	269.283	53.857(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\a3ux11.i\J40719A.b\UXJ22423.D
Report Date: 20-Jul-2004 11:08

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	2.615	2.615	(0.507)	89234	12.4316	2.486
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22423.D

Date : 19-JUL-2004 14:40

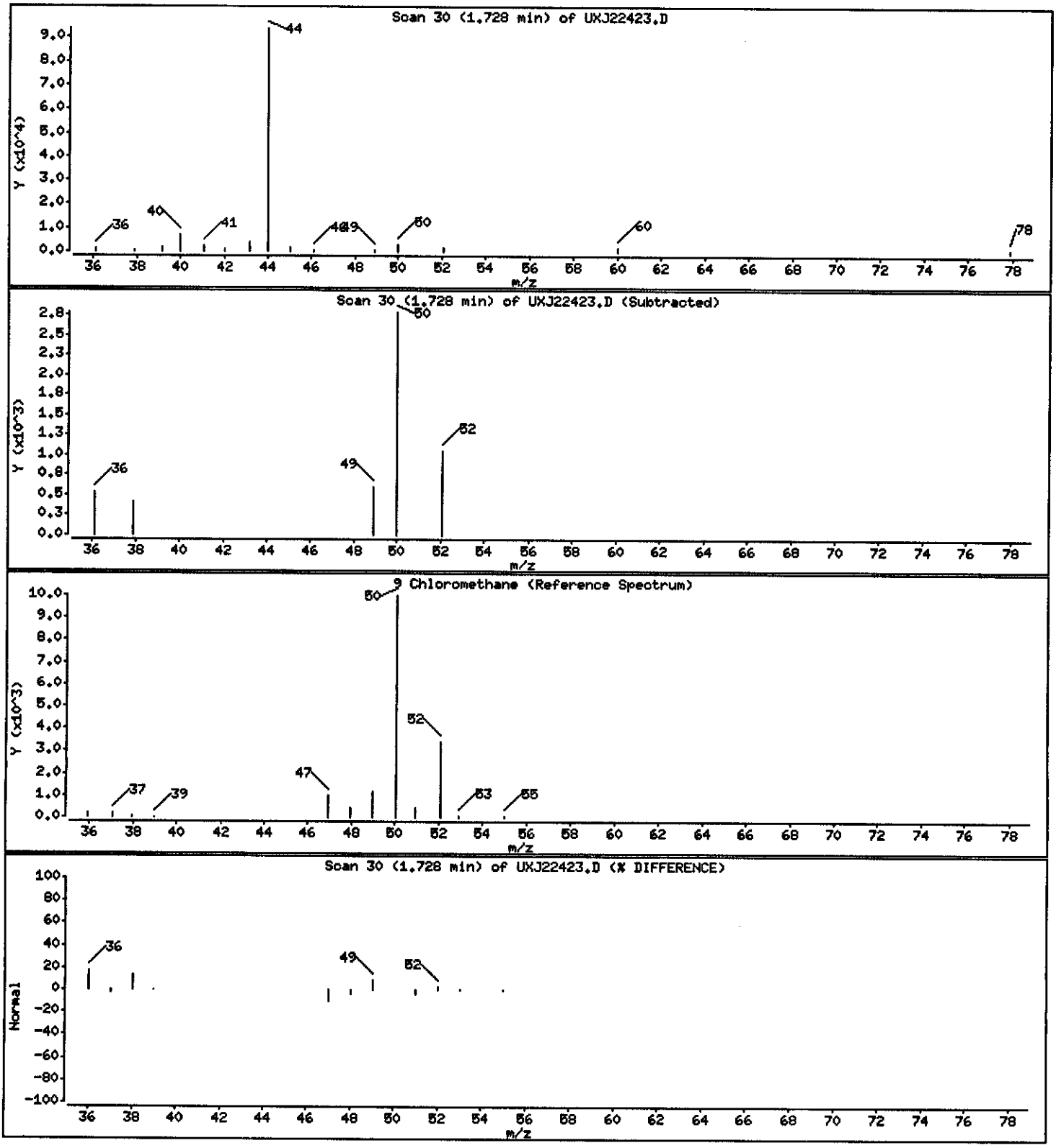
Client ID: MW509A/070804 Instrument: a3ux11.i

Sample Info: GKVP11AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

9 Chloromethane Concentration: 0.1580 ug/L



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Date : 19-JUL-2004 14:40

Client ID: MW509A/070804

Instrument: a3ux11.i

Sample Info: GKVP11AA,5ML/5ML

Purge Volume: 5.0

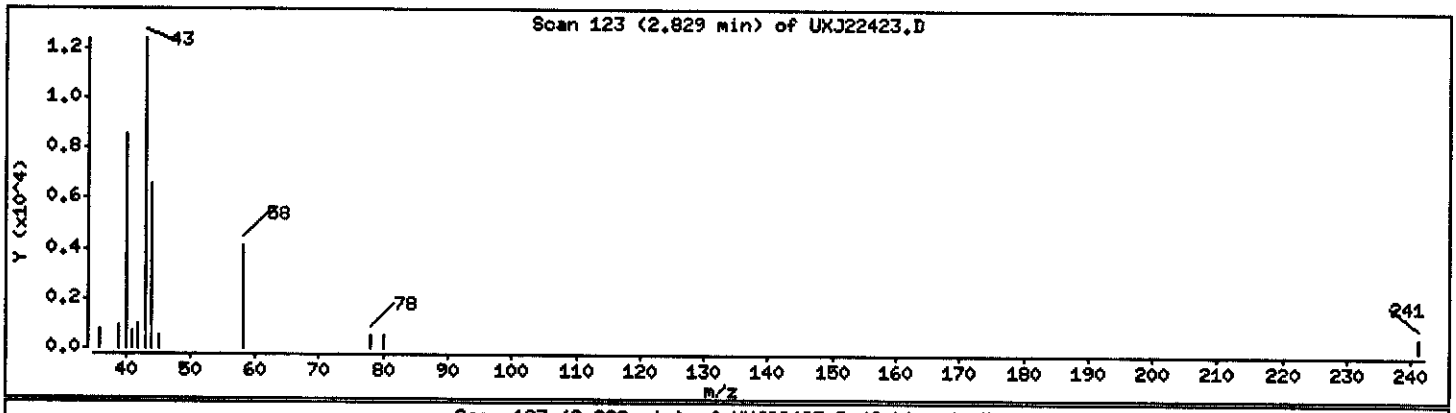
Operator: 43582

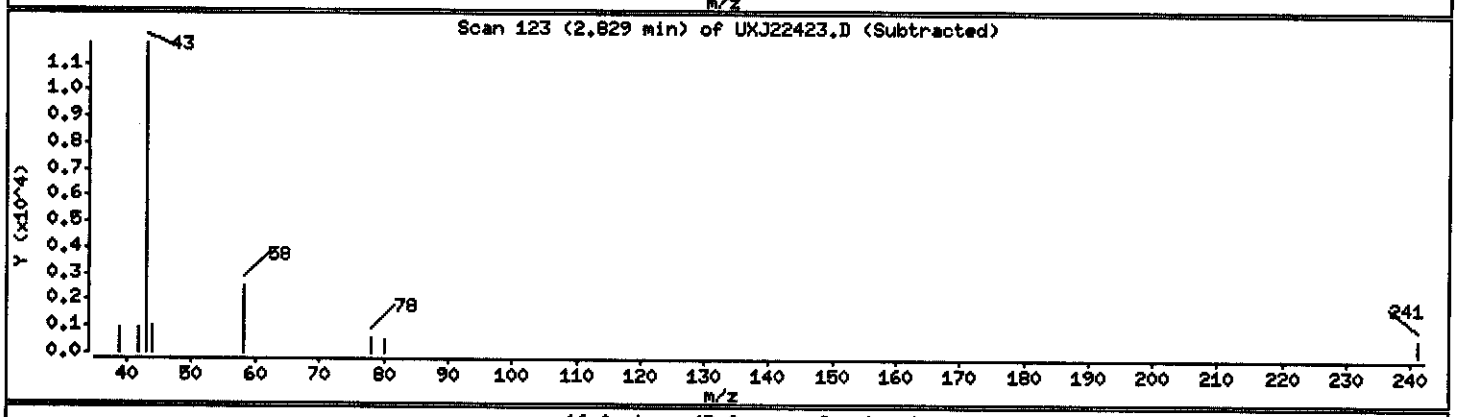
Column phase: DB624

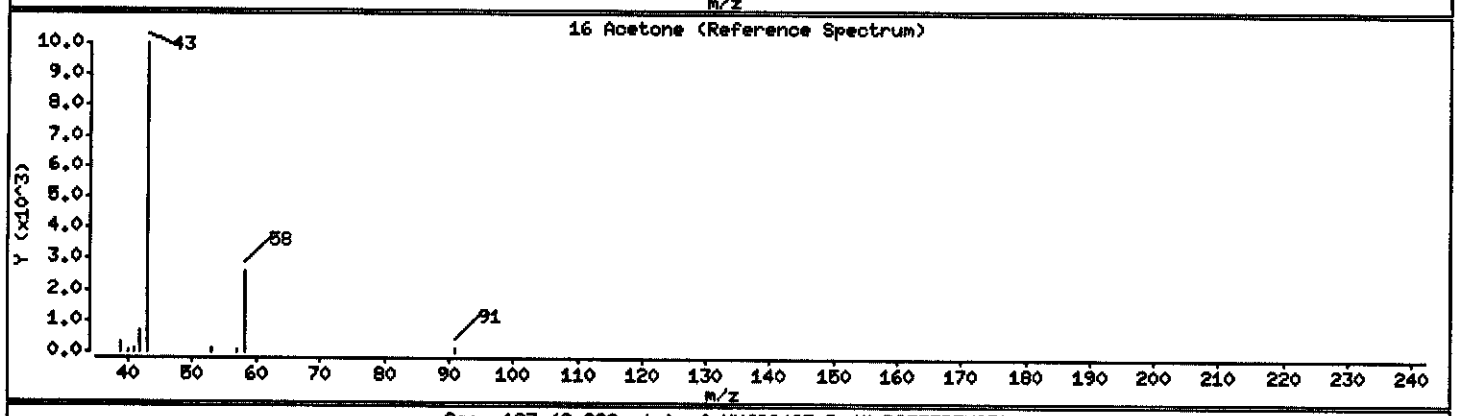
Column diameter: 0.18

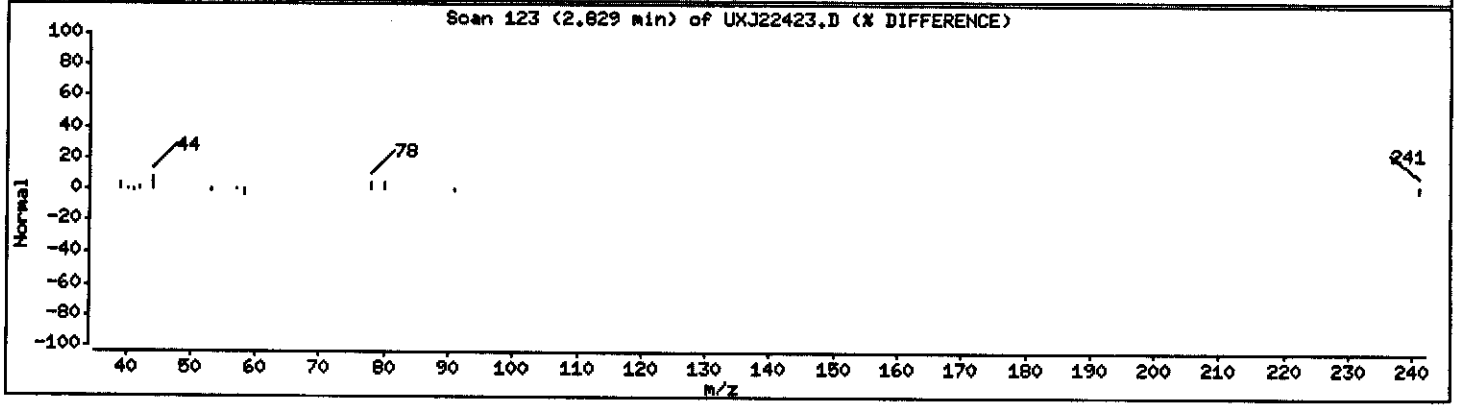
16 Acetone

Concentration: 1.766 ug/L









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Date : 19-JUL-2004 14:40

Client ID: MW509A/070804

Instrument: a3ux11.i

Sample Info: GKVP11AA,5ML/5ML

Purge Volume: 5.0

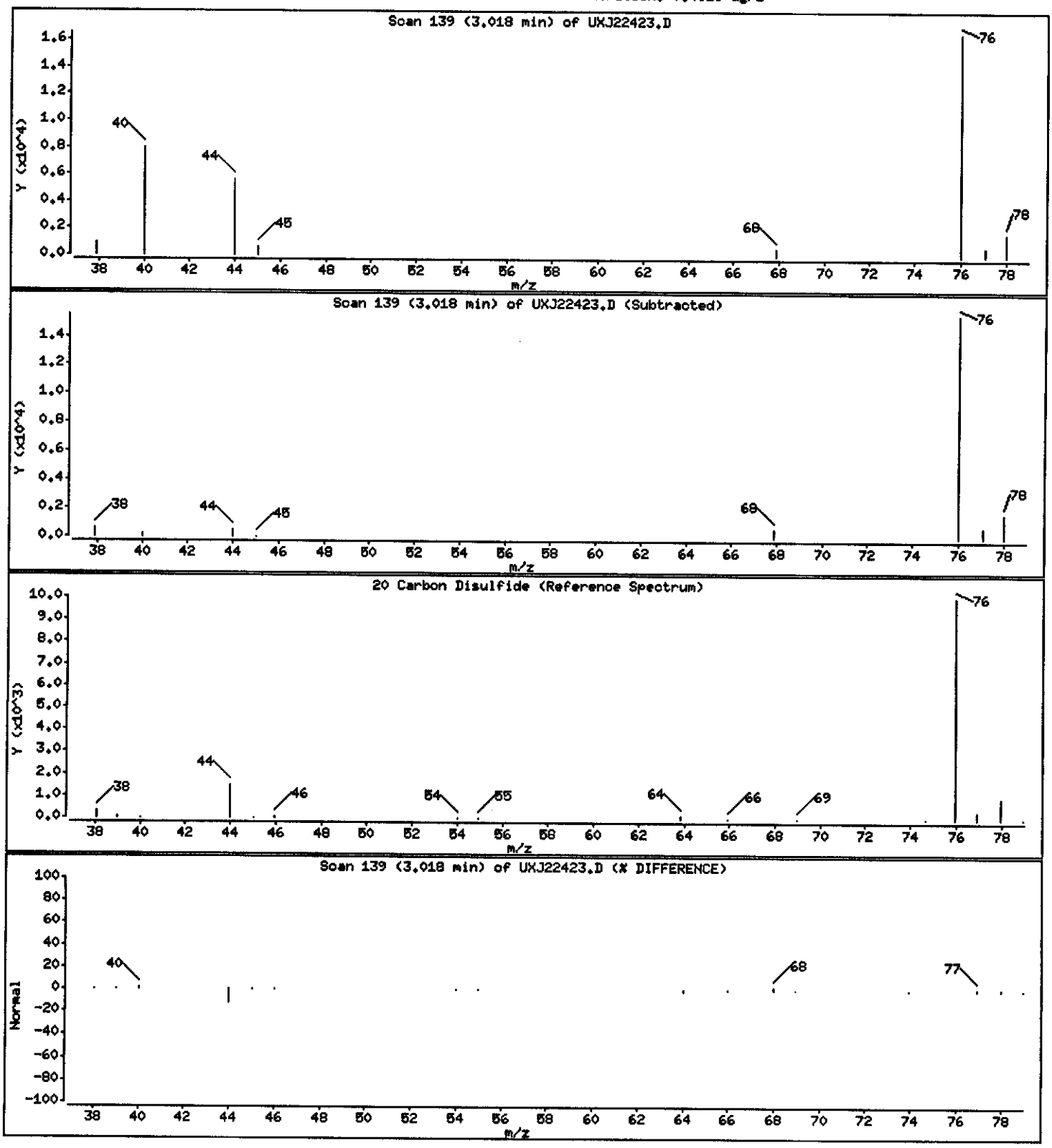
Operator: 43582

Column phase: DB624

Column diameter: 0.18

20 Carbon Disulfide

Concentration: 0.4826 ug/L



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Date : 19-JUL-2004 14:40

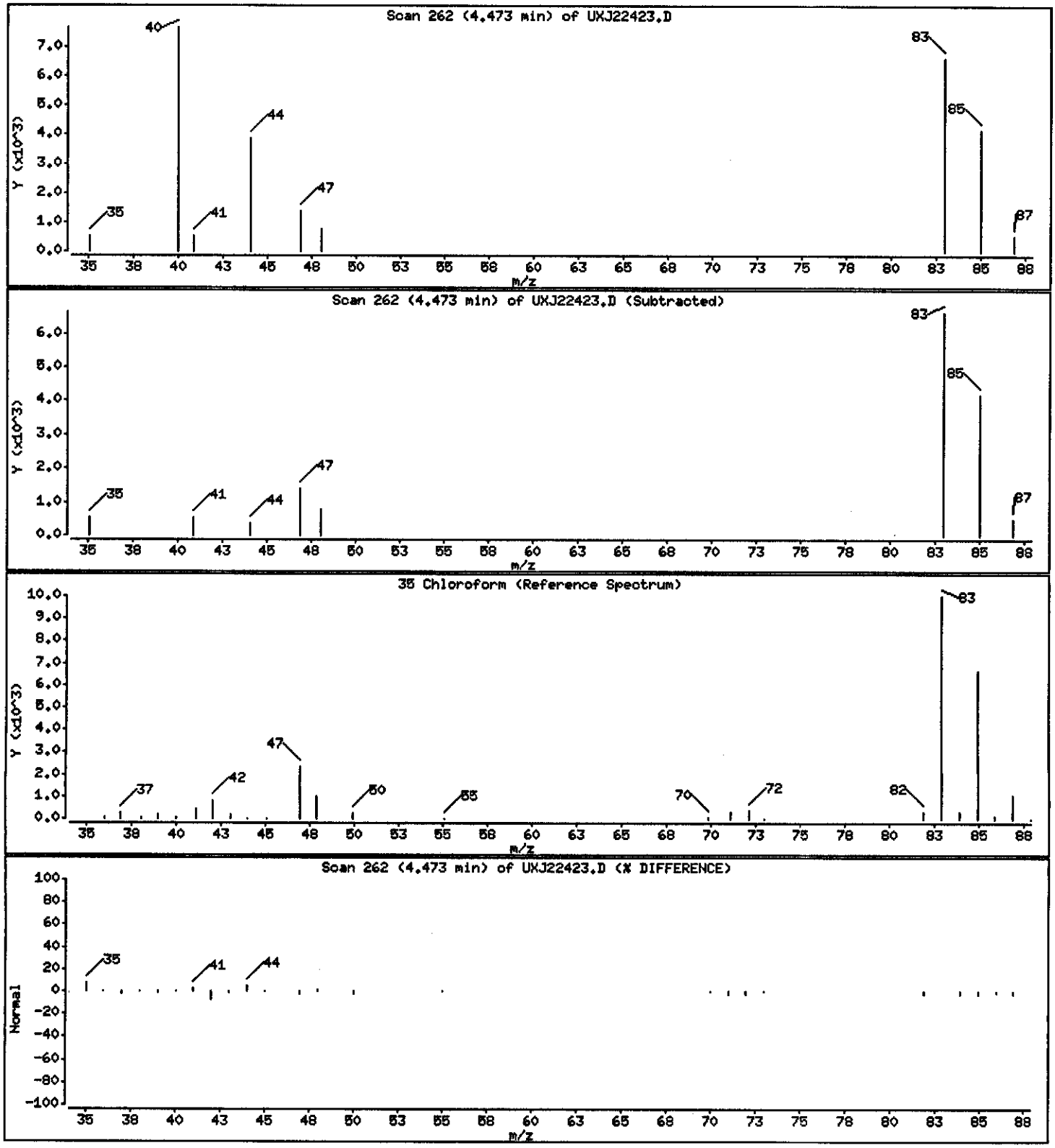
Client ID: MW509A/070804 Instrument: a3ux11.i

Sample Info: GKVP11AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 0.1953 ug/L



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Date : 19-JUL-2004 14:40

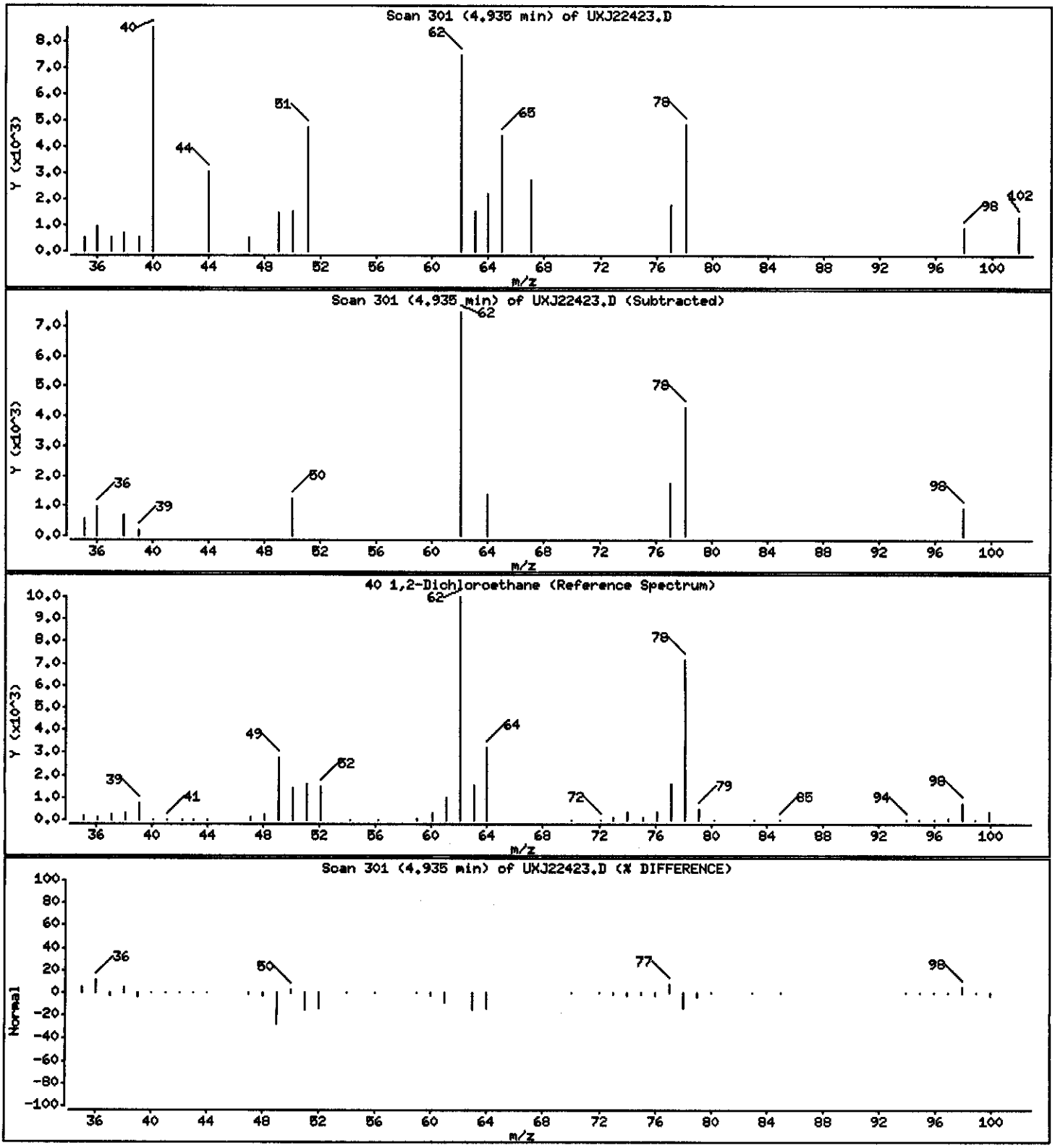
Client ID: MW509A/070804 Instrument: a3ux11.i

Sample Info: GKVP11AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 0.2745 ug/L



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Date : 19-JUL-2004 14:40

Client ID: MW509A/070804

Instrument: a3ux11.i

Sample Info: GKVP11AA,5ML/5ML

Purge Volume: 5.0

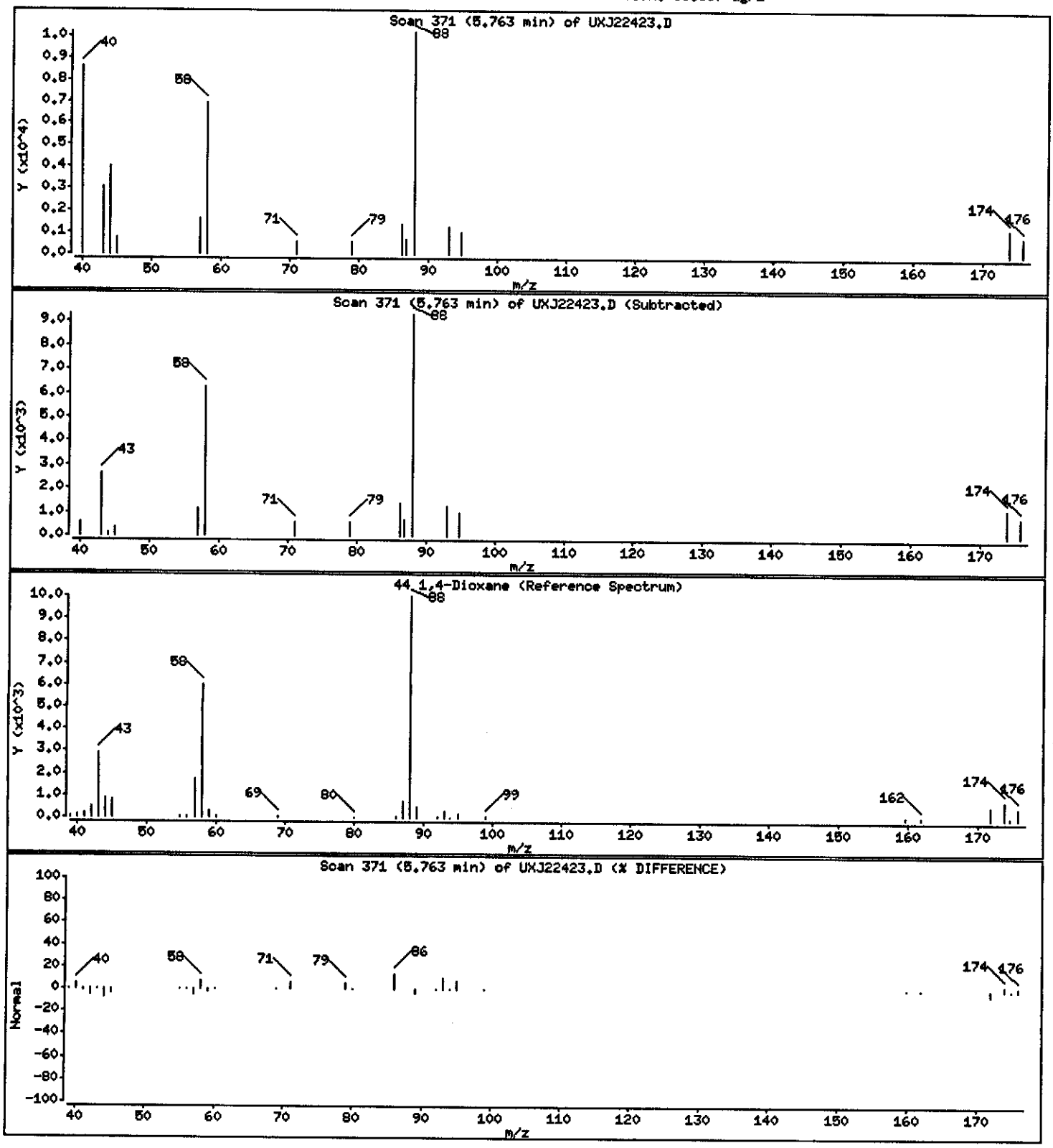
Operator: 43582

Column phase: DB624

Column diameter: 0.18

44 1,4-Dioxane

Concentration: 53.857 ug/L



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Date : 19-JUL-2004 14:40

Client ID: MW509A/070804

Instrument: a3ux11.i

Sample Info: GKVP11AA,5ML/5ML

Purge Volume: 5.0

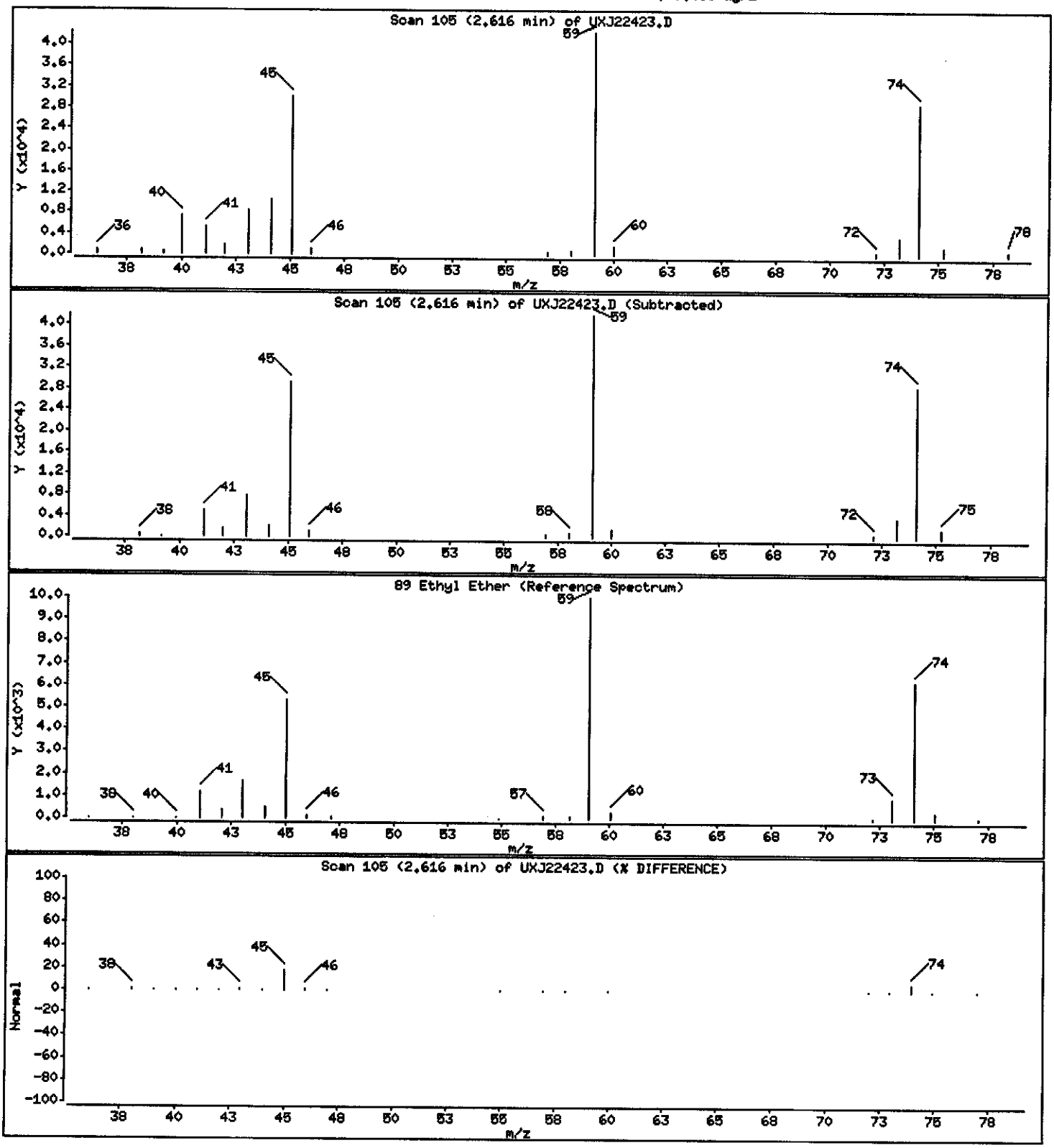
Operator: 43582

Column phase: DB624

Column diameter: 0.18

89 Ethyl Ether

Concentration: 2.486 ug/L



PAYNE FIRM INC.

Client Sample ID: MW505A/070804

GC/MS Volatiles

Lot-Sample #...: A4G100202-006 **Work Order #...:** GKVP21AA **Matrix.....:** WG
Date Sampled...: 07/08/04 14:20 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202226
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	ND	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	**5.9 J**	**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	**5.0 J**	**10**	**ug/L**
1,2-Dichloroethane	**110**	**10**	**ug/L**
cis-1,2-Dichloroethene	**270**	**10**	**ug/L**
trans-1,2-Dichloroethene	**39**	**10**	**ug/L**
1,1-Dichloroethene	ND	10	ug/L
1,2-Dichloroethene (total)	**310**	**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	**5000**	**500**	**ug/L**
Ethylbenzene	ND	10	ug/L
Ethyl methacrylate	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW505A/070804

GC/MS Volatiles

Lot-Sample #...: A4G100202-006 **Work Order #...:** GKVP21AA **Matrix.....:** WG

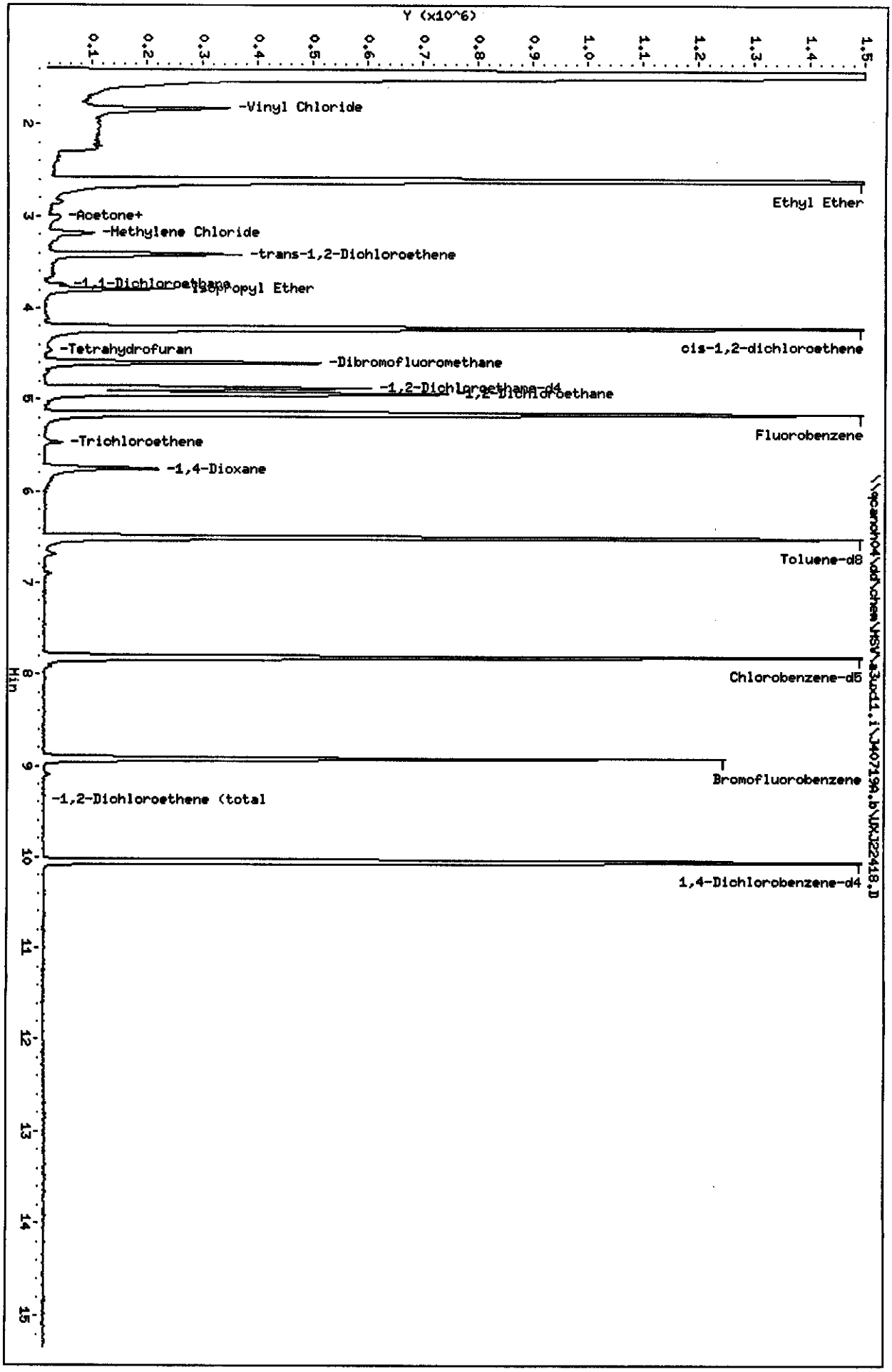
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	100	ug/L
Iodomethane	ND	10	ug/L
Isobutanol	ND	500	ug/L
Methacrylonitrile	ND	20	ug/L
Methylene chloride	**4.1 J,B**	**10**	**ug/L**
Methyl methacrylate	ND	20	ug/L
4-Methyl-2-pentanone	ND	100	ug/L
Propionitrile	ND	40	ug/L
Styrene	ND	10	ug/L
1,1,1,2-Tetrachloroethane	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	**3.2 J**	**10**	**ug/L**
Trichlorofluoromethane	ND	10	ug/L
1,2,3-Trichloropropane	ND	10	ug/L
Vinyl acetate	ND	20	ug/L
Vinyl chloride	**77**	**10**	**ug/L**
Xylenes (total)	ND	20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	90	(76 - 110)
4-Bromofluorobenzene	79	(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\a3ux11.i\J407190.b\UXJ22418.D
Date : 19-JUL-2004 12:45
Client ID: HW505A/070804
Sample Info: GKVP21A0,0.5ML/5ML
Purge Volume: 0.5
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
-Vinyl Chloride
Ethyl Ether
-Acetone+
-Methylene Chloride
-trans-1,2-Dichloroethene
-1,1-Dichloroethane
Isopropyl Ether
-Tetrahydrofuran
cis-1,2-dichloroethene
-Dibromofluoromethane
-1,2-Dichloroethane-d4
1,2-Dichloroethane
-Trichloroethene
Fluorobenzene
-1,4-Dioxane
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
\\qcanoh04\dd\chem\HSV\a3ux11.i\J407190.b\UXJ22418.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22418.D
Report Date: 20-Jul-2004 11:05

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22418.D
Lab Smp Id: GKVP21AA Client Smp ID: MW505A/070804
Inj Date : 19-JUL-2004 12:45
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GKVP21AA,0.5ML/5ML
Misc Info : J40719A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\8260LLUX11.m
Meth Date : 20-Jul-2004 10:58 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	1703284	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1345229	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	667255	50.0000	
$ 4 Dibromofluoromethane	113	4.591	4.591	(0.890)	371090	52.7377	105.48
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	453905	49.7494	99.499
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	1444042	45.0092	90.018
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	533414	39.6083	79.216
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.822	1.822	(0.353)	438380	38.3159	76.632
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	2.816	2.828	(0.546)	12470	3.17154	6.343
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22418.D
Report Date: 20-Jul-2004 11:05

	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	3.017	3.006	(0.585)	87238	2.95933	5.919
	21 Methylene Chloride	84	3.183	3.183	(0.617)	56442	2.03463	4.069
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	3.420	3.420	(0.663)	173776	19.4849	38.970
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.751	3.751	(0.727)	39613	2.50364	5.007
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				1418829	155.561	311.12
	32 cis-1,2-dichloroethene	96	4.213	4.213	(0.817)	1245053	136.076	272.15
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.461	4.449	(0.865)	5890	2.23512	4.470
	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	4.934	4.934	(0.956)	613286	54.1760	108.35
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	5.467	5.467	(1.060)	14399	1.59087	3.182
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.763	5.751	(1.117)	231316	2504.37	5008.7(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\a3ux11.i\J40719A.b\UXJ22418.D
Report Date: 20-Jul-2004 11:05

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	2.615	2.615	(0.507)	3365519	452.196	904.39(A)
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	3.798	3.799	(0.736)	53531	6.94377	13.888
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\a3ux11.i\J40719A.b\UXJ22418.D

Date : 19-JUL-2004 12:45

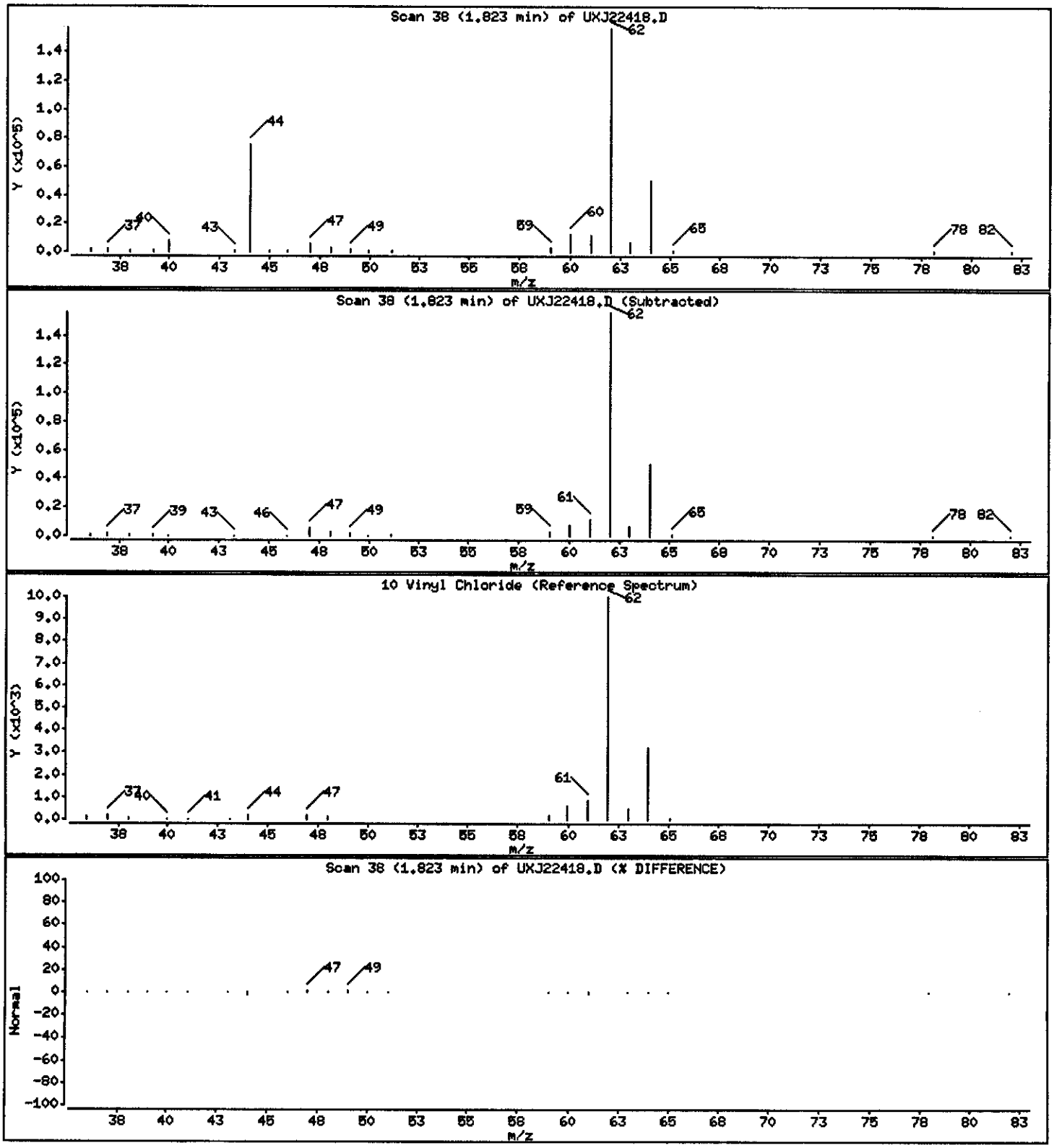
Client ID: MW505A/070804 Instrument: a3ux11.i

Sample Info: GKVP21AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43532

Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 76.632 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22418.D

Date : 19-JUL-2004 12:45

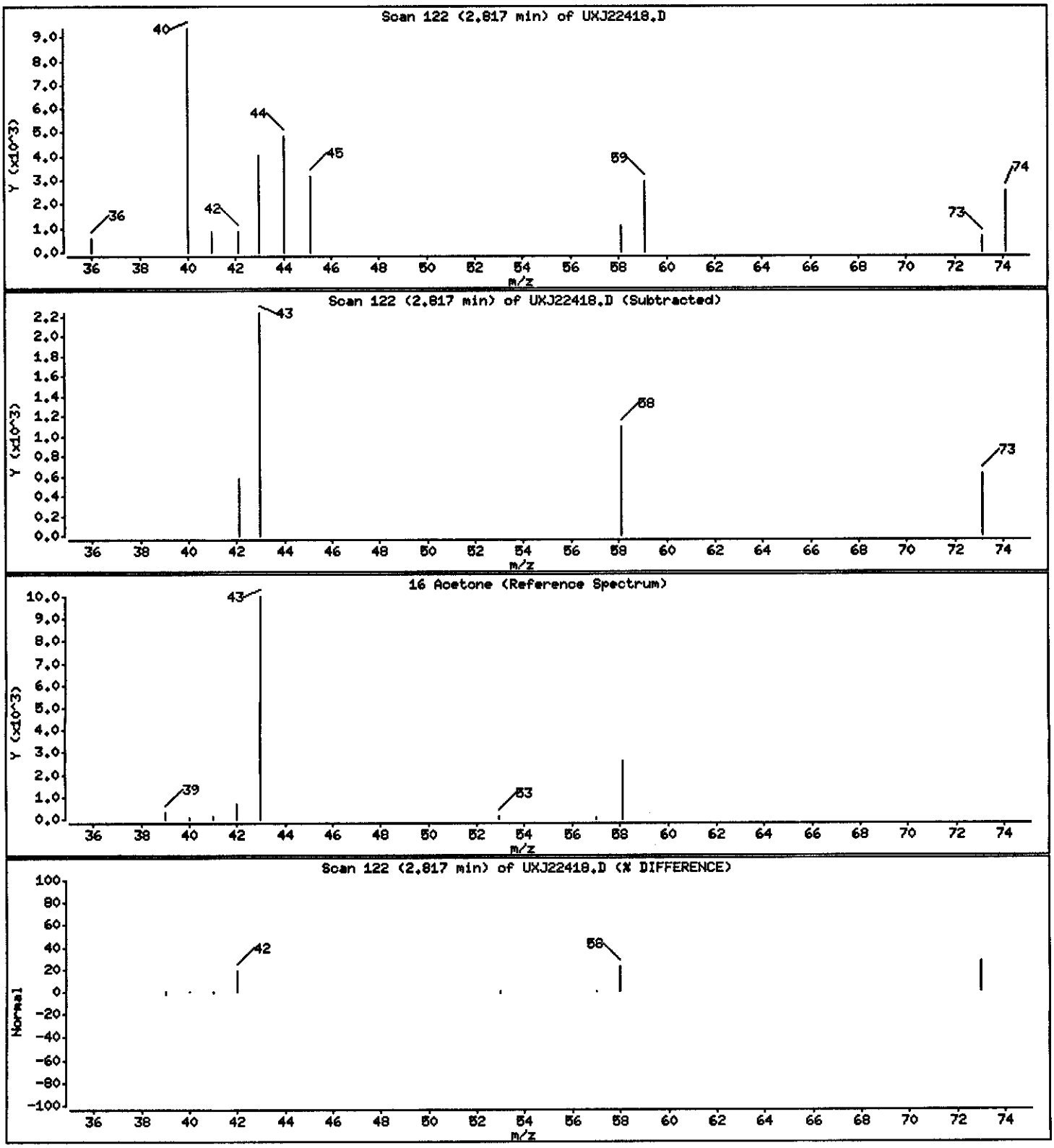
Client ID: MW505A/070804 Instrument: a3ux11.i

Sample Info: GKVP21AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 6.343 ug/L



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Date : 19-JUL-2004 12:45

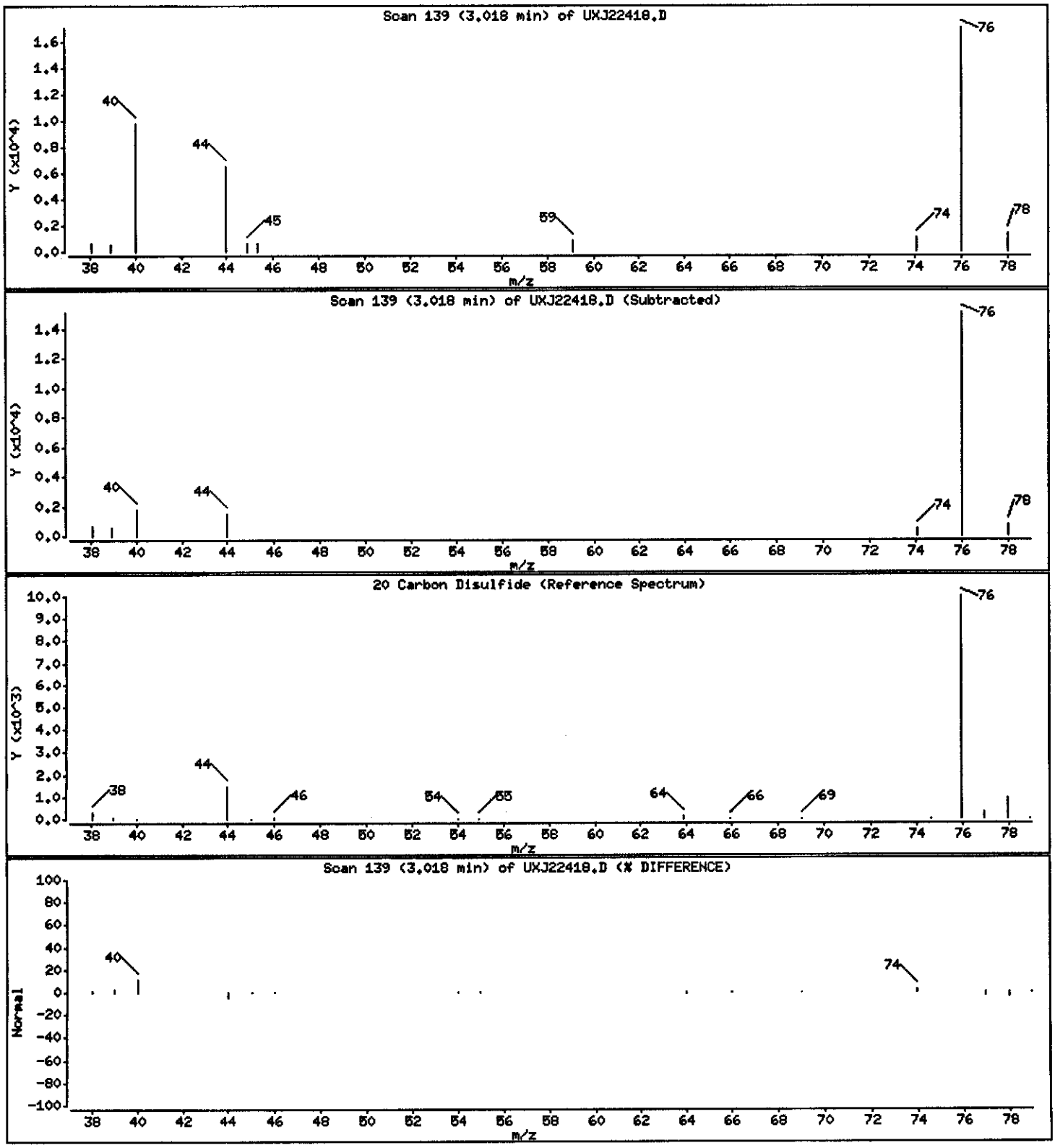
Client ID: MW505A/070804 Instrument: a3ux11.i

Sample Info: GKVP21AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 5.919 ug/L



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Date : 19-JUL-2004 12:45

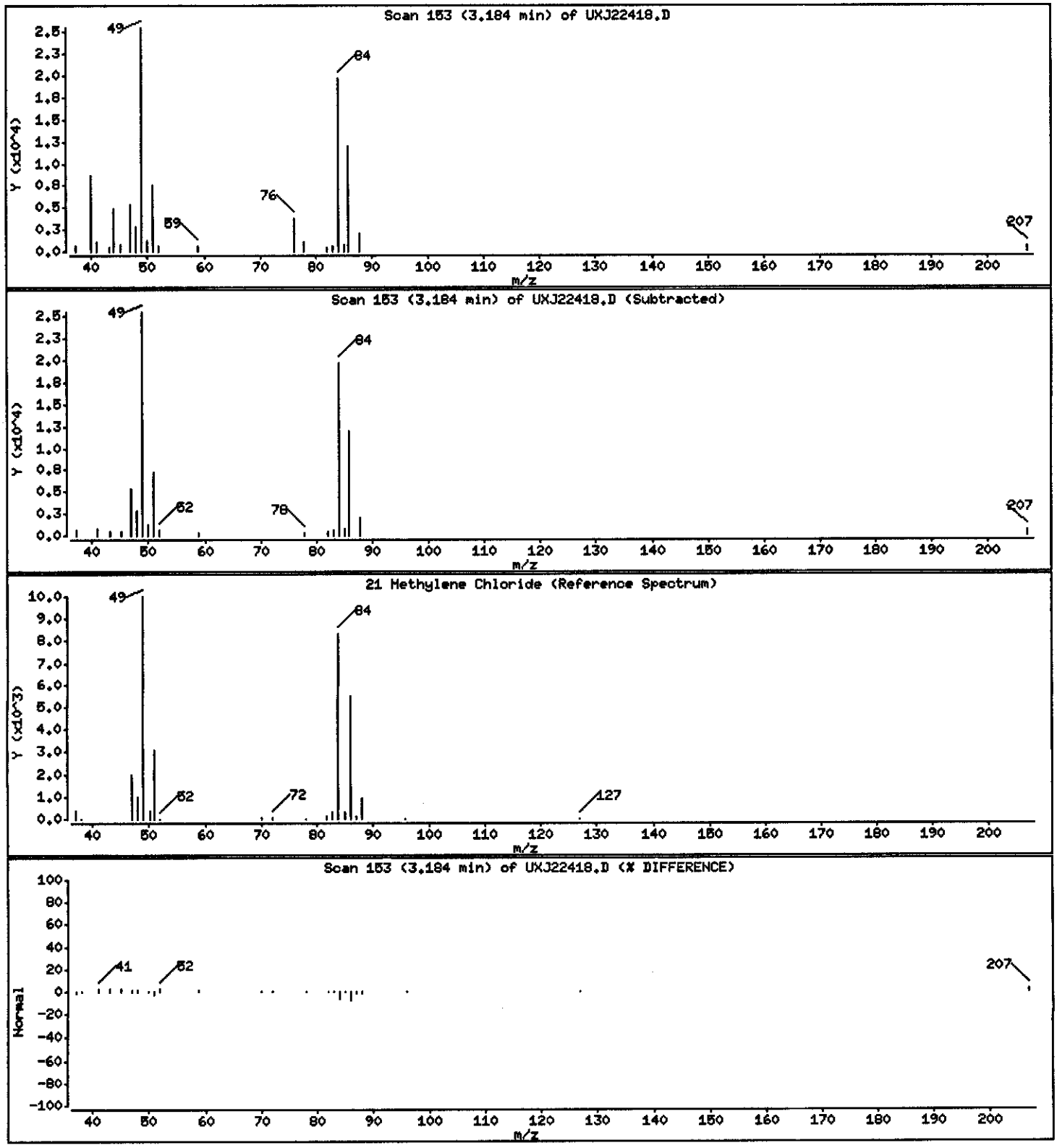
Client ID: MW505A/070804 Instrument: a3ux11.i

Sample Info: GKVP21AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

21 Methylene Chloride Concentration: 4.069 ug/L



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Date : 19-JUL-2004 12:45

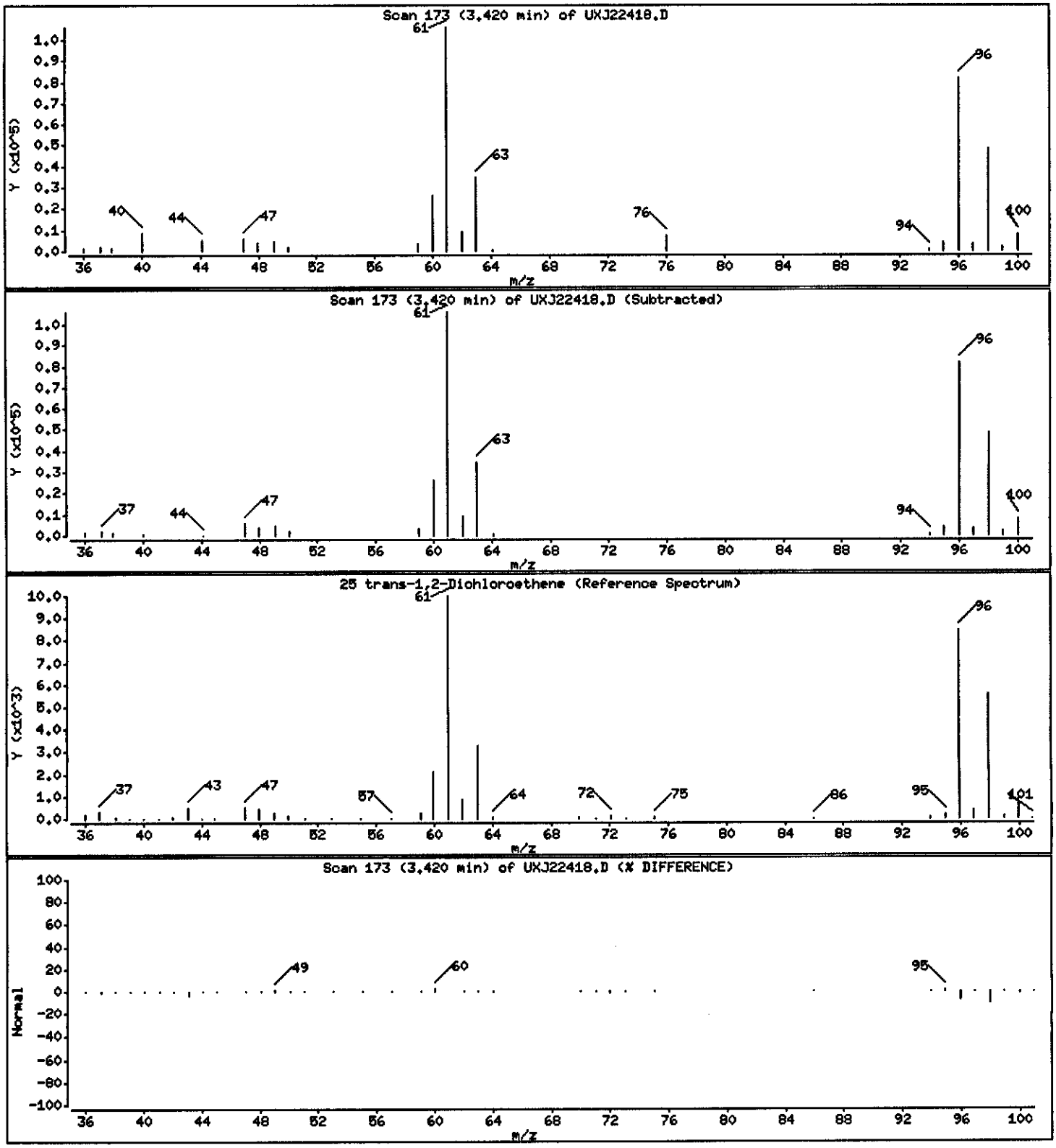
Client ID: MW505A/070804 Instrument: a3ux11.i

Sample Info: GKVP21AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

25 trans-1,2-Dichloroethene Concentration: 38.970 ug/L



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Date : 19-JUL-2004 12:45

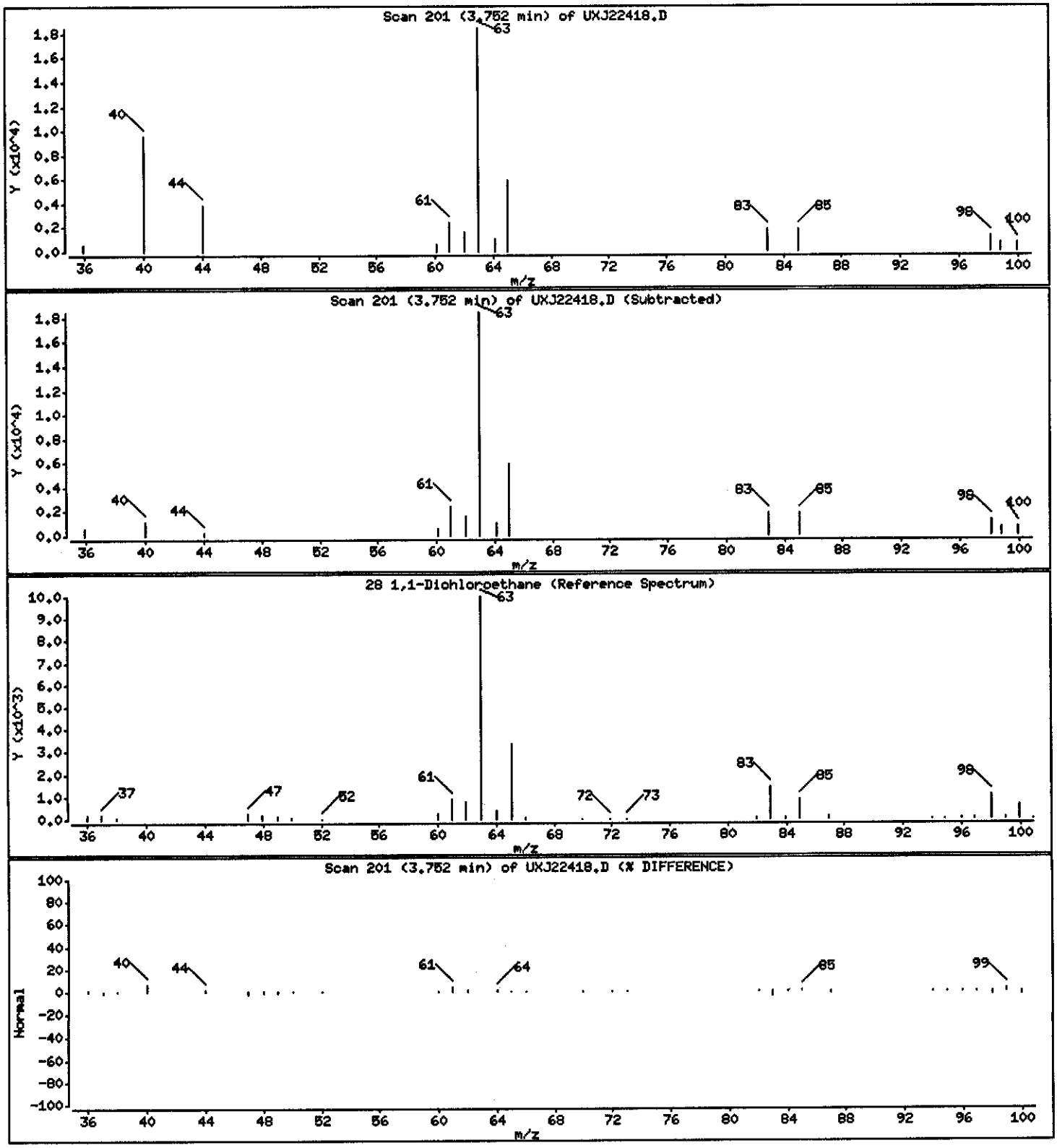
Client ID: MW505A/070804 Instrument: a3ux11.i

Sample Info: GKVP21AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 5.007 ug/L



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Date : 19-JUL-2004 12:45

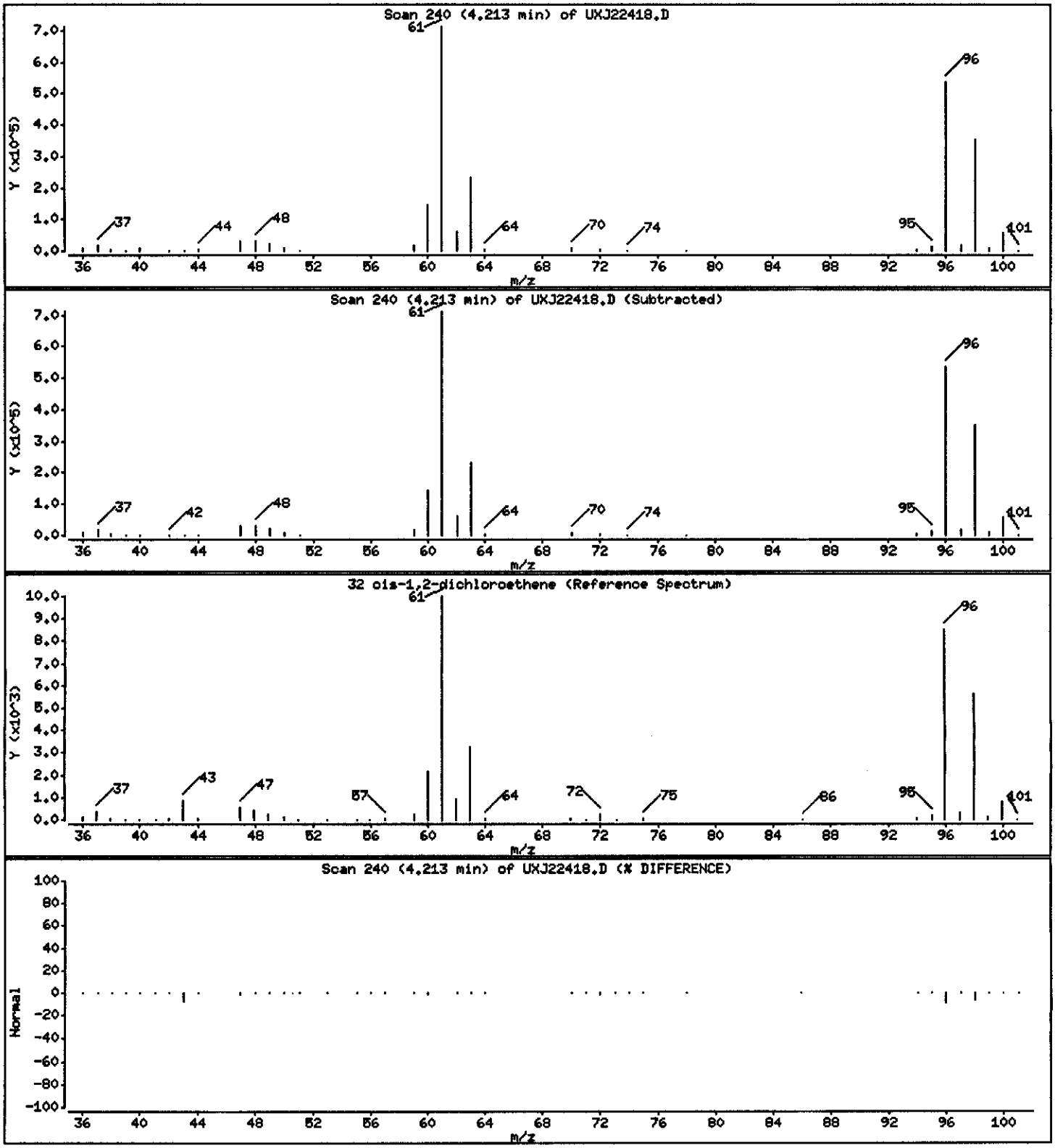
Client ID: MW505A/070804 Instrument: a3ux11.i

Sample Info: GKVP21AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 272.15 ug/L



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Date : 19-JUL-2004 12:45

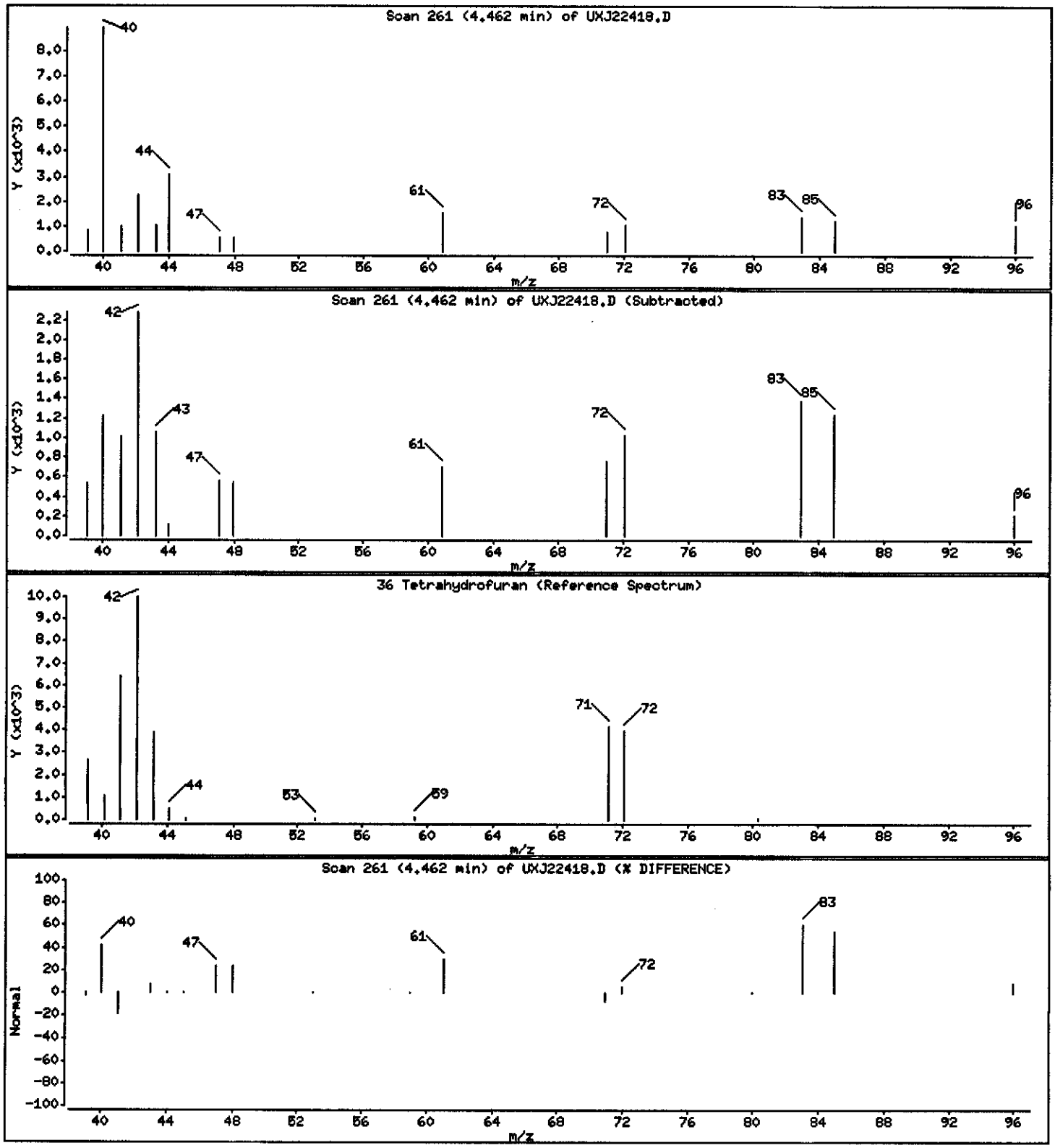
Client ID: MW505A/070804 Instrument: a3ux11.i

Sample Info: GKVP21AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 4.470 ug/L



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Date : 19-JUL-2004 12:45

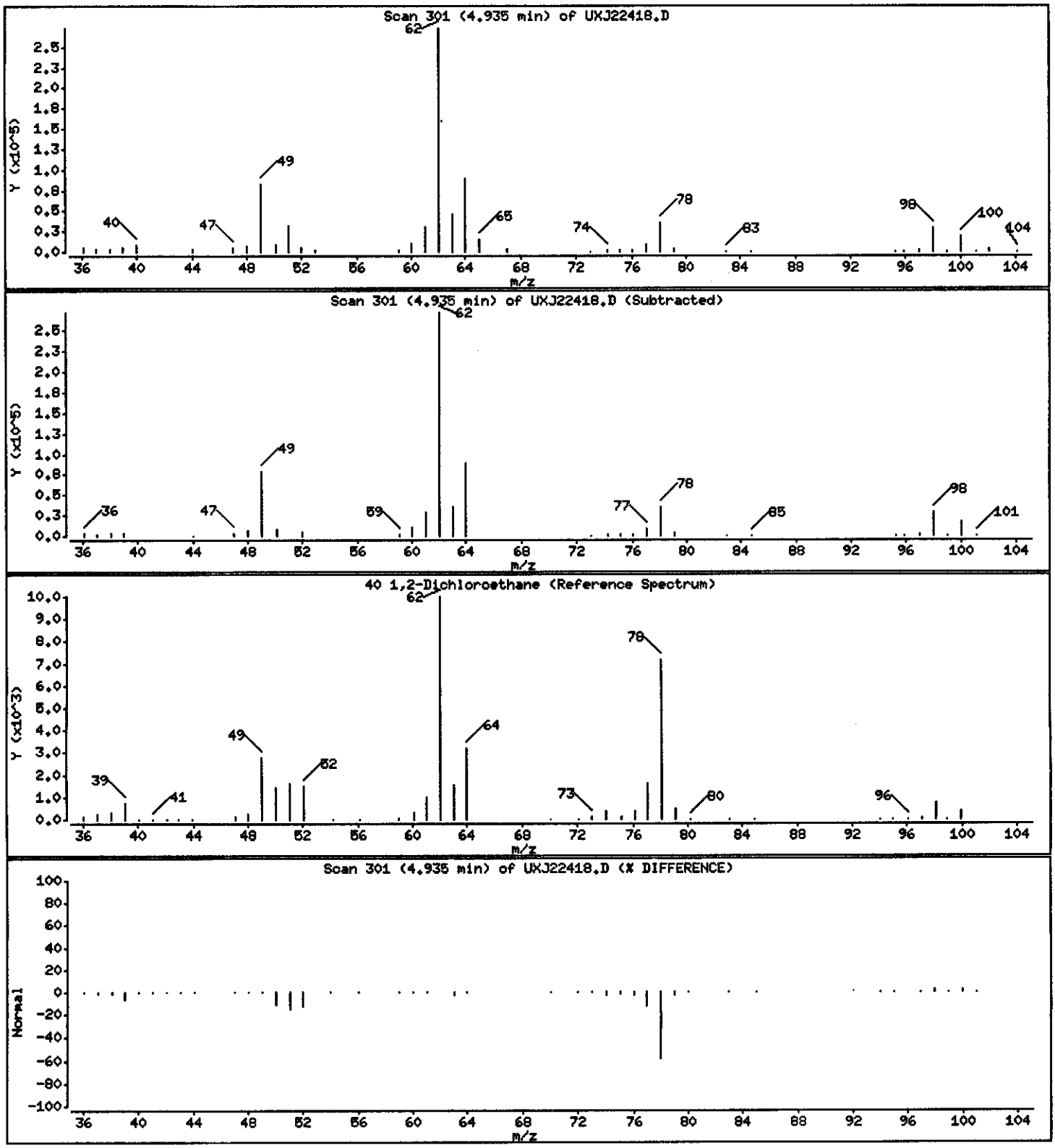
Client ID: MW505A/070804 Instrument: a3ux11.i

Sample Info: GKVP21AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 108.35 ug/L



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Date : 19-JUL-2004 12:45

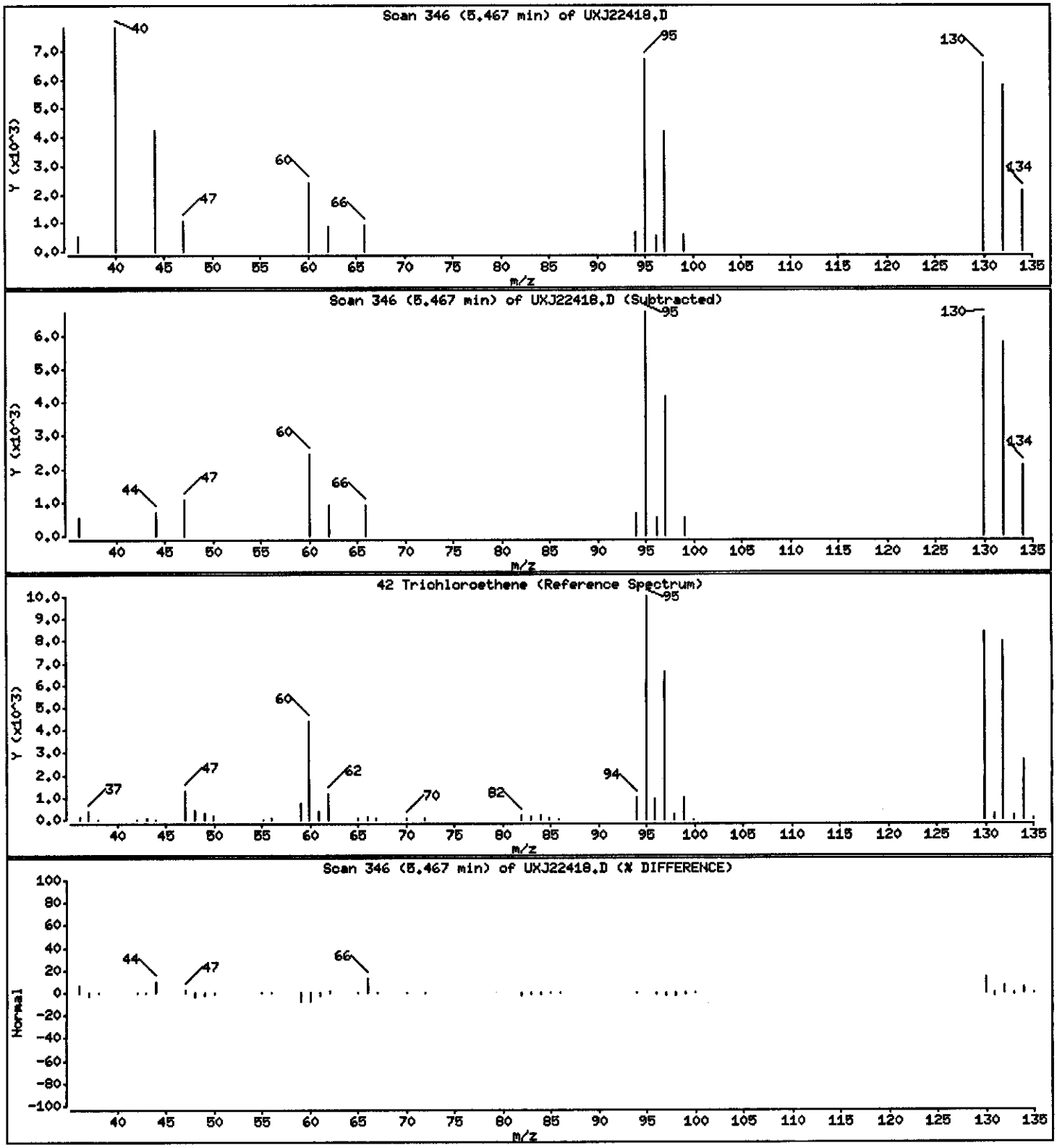
Client ID: MW505A/070804 Instrument: a3ux11.i

Sample Info: GKVP21AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 3.182 ug/L



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Date : 19-JUL-2004 12:45

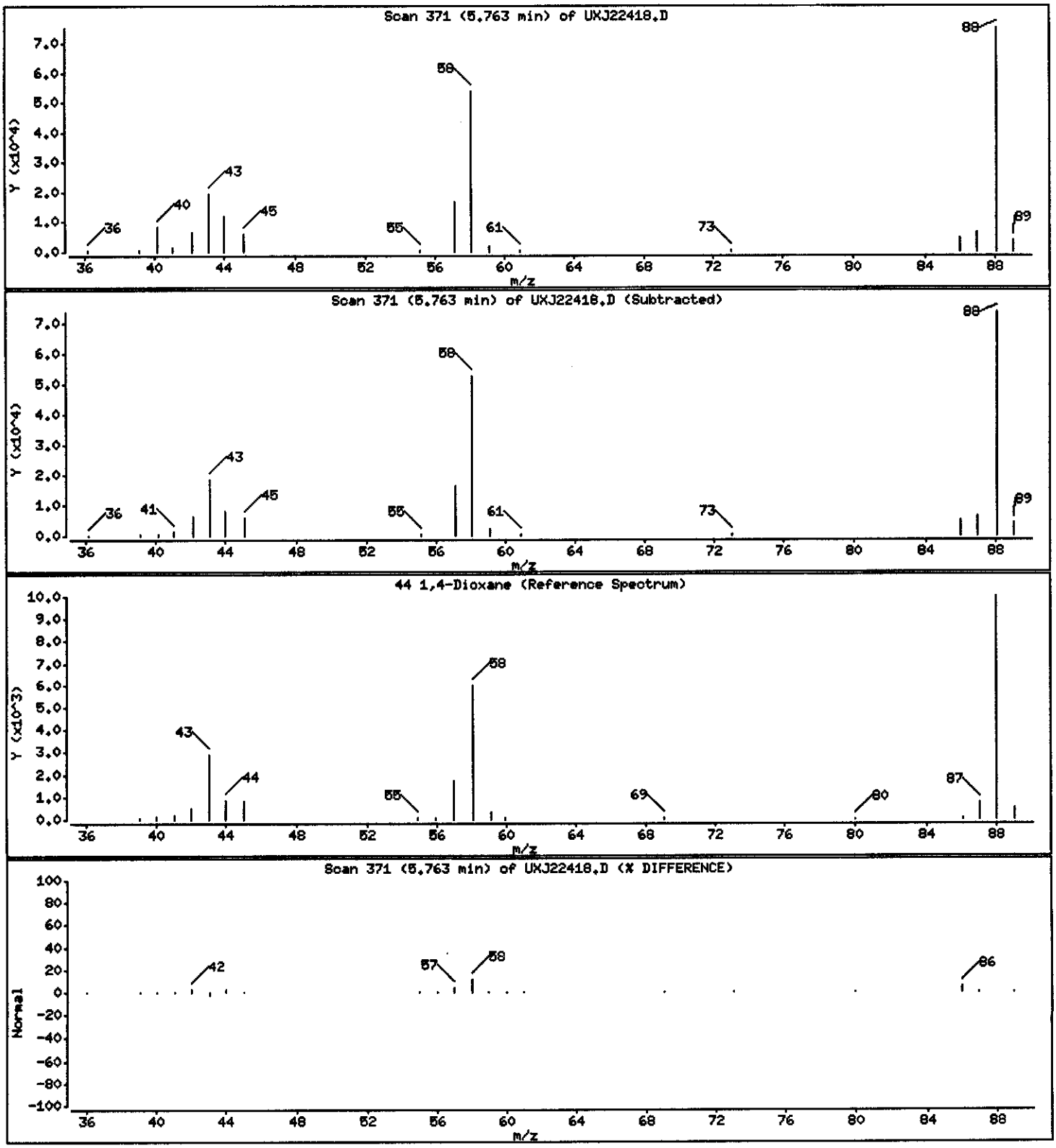
Client ID: HW505A/070804 Instrument: a3ux11.i

Sample Info: GKVP21AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 5008.7 ug/L



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Date : 19-JUL-2004 12:45

Client ID: MW505A/070804

Instrument: a3ux11.i

Sample Info: GKVP21AA,0.5ML/5ML

Purge Volume: 0.5

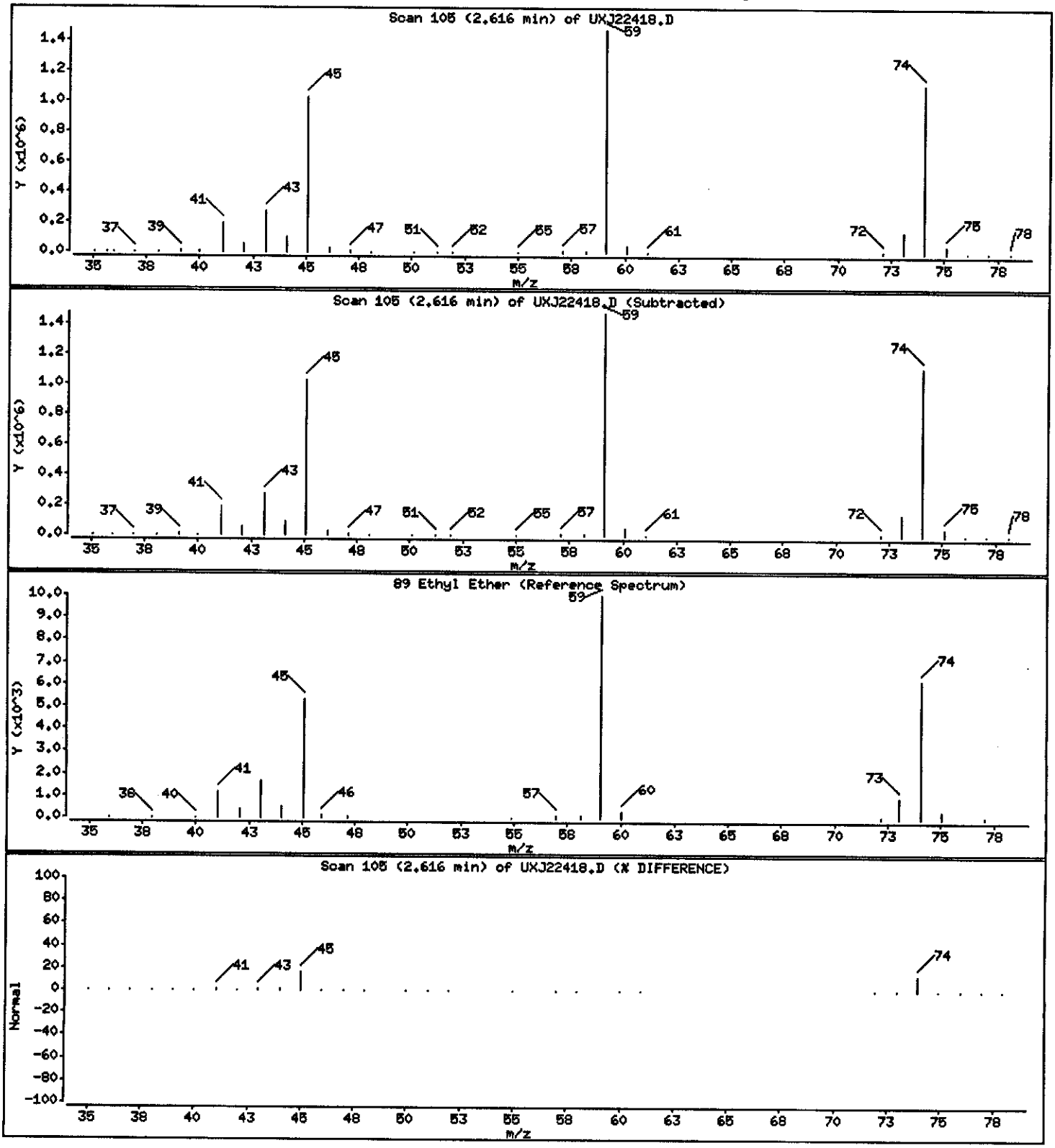
Operator: 43582

Column phase: DB624

Column diameter: 0.18

89 Ethyl Ether

Concentration: 904.39 ug/L



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Date : 19-JUL-2004 12:45

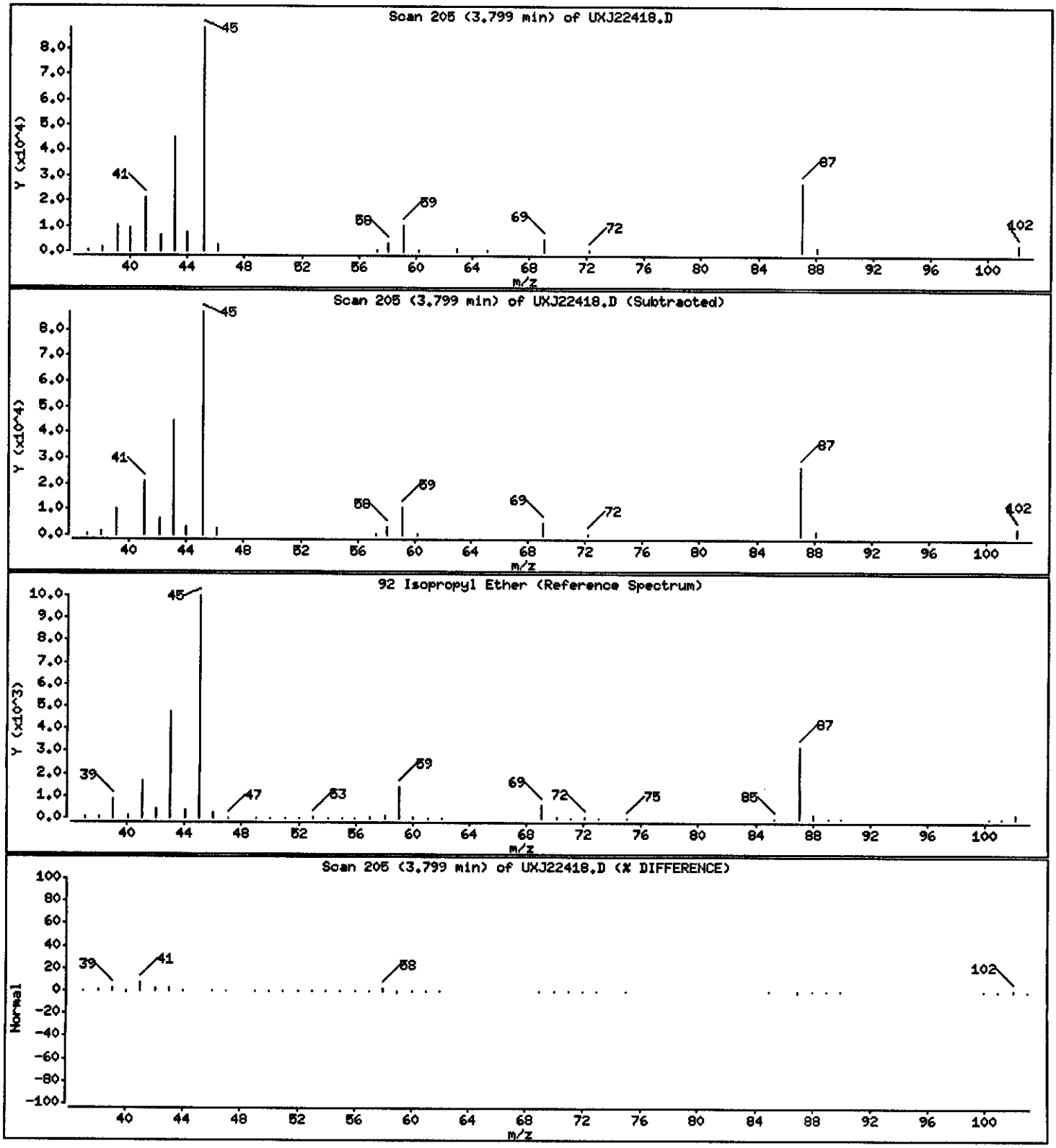
Client ID: MW505A/070804 Instrument: a3ux11.i

Sample Info: GKVP21AA,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

92 Isopropyl Ether Concentration: 13.888 ug/L



PAYNE FIRM INC.

Client Sample ID: MW505B/070804

GC/MS Volatiles

Lot-Sample #...: A4G100202-007 **Work Order #...:** GKVP41AA **Matrix.....:** WG
Date Sampled...: 07/08/04 14:48 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202226
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	ND	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	**4.8 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	**12000**	**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/070804

GC/MS Volatiles

Lot-Sample #...: A4G100202-007 **Work Order #...:** GKVP41AA **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	**3.1 J,B**	**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	**2.2 J**	**8.3**	**ug/L**
Xylenes (total)	ND	17	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	90	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

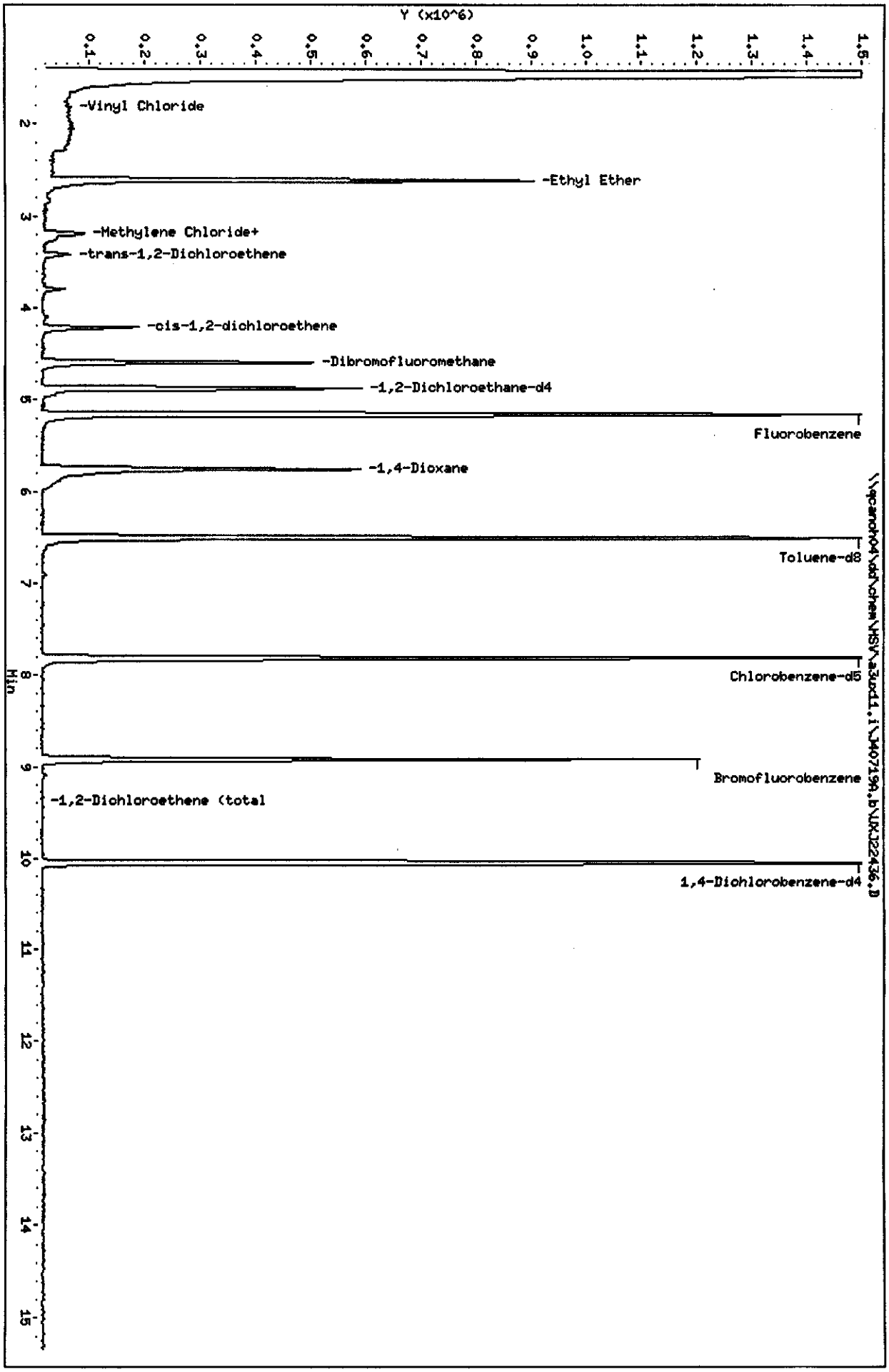
NOTE(S):

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\ddf\chem\HSV\a3uc11.i\J407190.b\UX122436.D
Date : 19-JUL-2004 19:35
Client ID: MW505B/070804
Sample Info: CKVP41AA,0.6ML/5ML
Purge Volume: 0.6
Column phase: DB624

Instrument: a3uc11.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22436.D
Report Date: 20-Jul-2004 11:18

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22436.D
Lab Smp Id: GKVP41AA Client Smp ID: MW505B/070804
Inj Date : 19-JUL-2004 19:35
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GKVP41AA,0.6ML/5ML
Misc Info : J40719A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\8260LLUX11.m
Meth Date : 20-Jul-2004 10:58 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	1618039	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1306869	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	641553	50.0000	
$ 4 Dibromofluoromethane	113	4.591	4.591	(0.890)	353324	52.8583	88.097
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	432633	49.9161	83.194
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	1396358	44.8005	74.667
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	501537	38.3344	63.891
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.822	1.822	(0.353)	14216	1.30799	2.180
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\a3ux11.i\J40719A.b\UXJ22436.D
Report Date: 20-Jul-2004 11:18

	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	3.195	3.183	(0.619)	51913	1.84407	3.073
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	3.420	3.420	(0.663)	24342	2.87317	4.789
	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	3.254	3.254	(0.631)	22026	38.5016	64.169
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				118086	13.6585	22.764
	32 cis-1,2-dichloroethene	96	4.213	4.213	(0.817)	93744	10.7854	17.976
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.751	5.751	(1.115)	620010	7066.26	11777(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\a3ux11.i\J40719A.b\UXJ22436.D
Report Date: 20-Jul-2004 11:18

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	2.615	2.615	(0.507)	646184	91.3963	152.33
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22436.D

Date : 19-JUL-2004 19:35

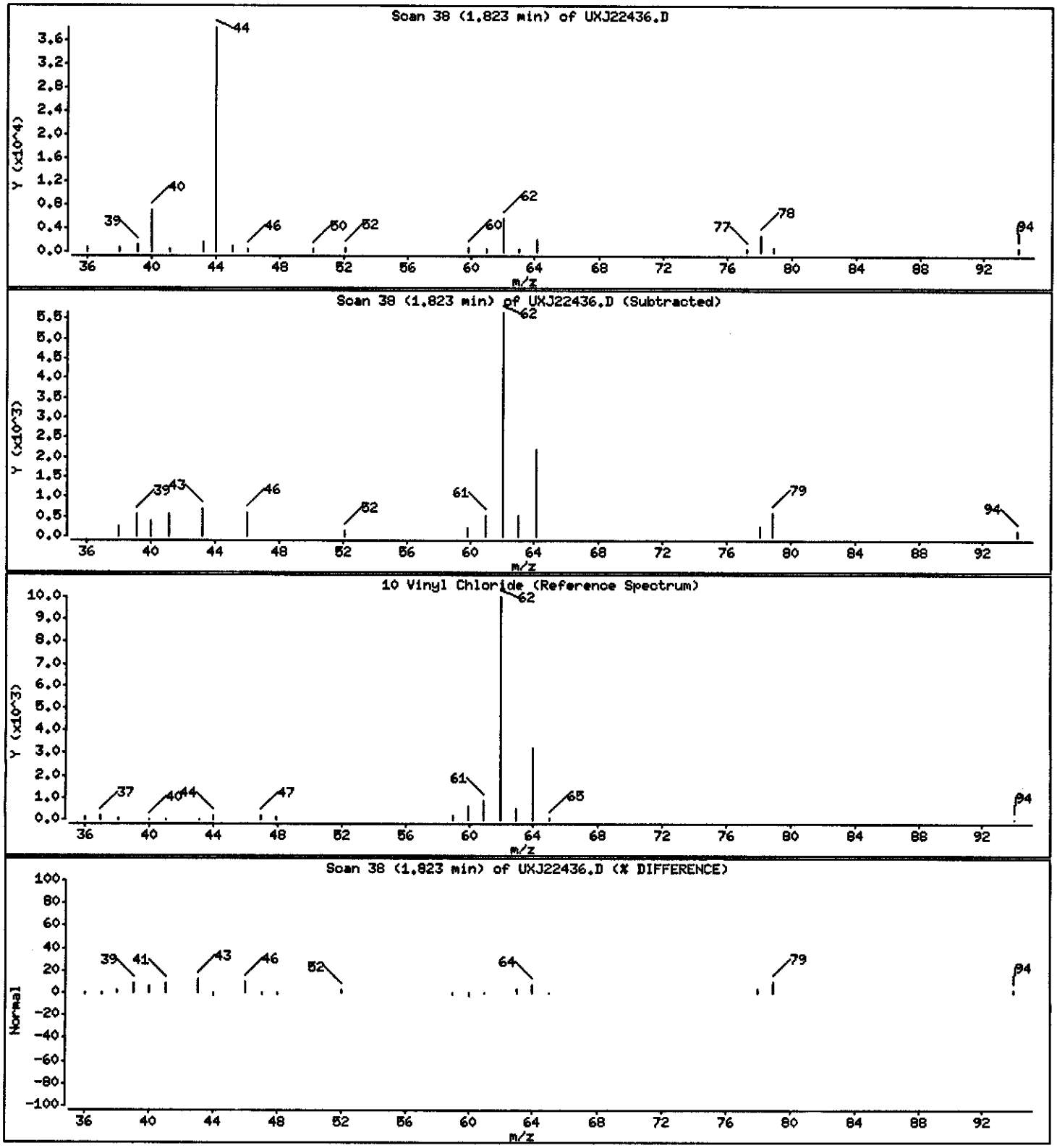
Client ID: MW505B/070804 Instrument: a3ux11.i

Sample Info: GKVP41AA,0.6ML/5ML

Purge Volume: 0.6 Operator: 43582

Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 2.180 ug/L



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Date : 19-JUL-2004 19:35

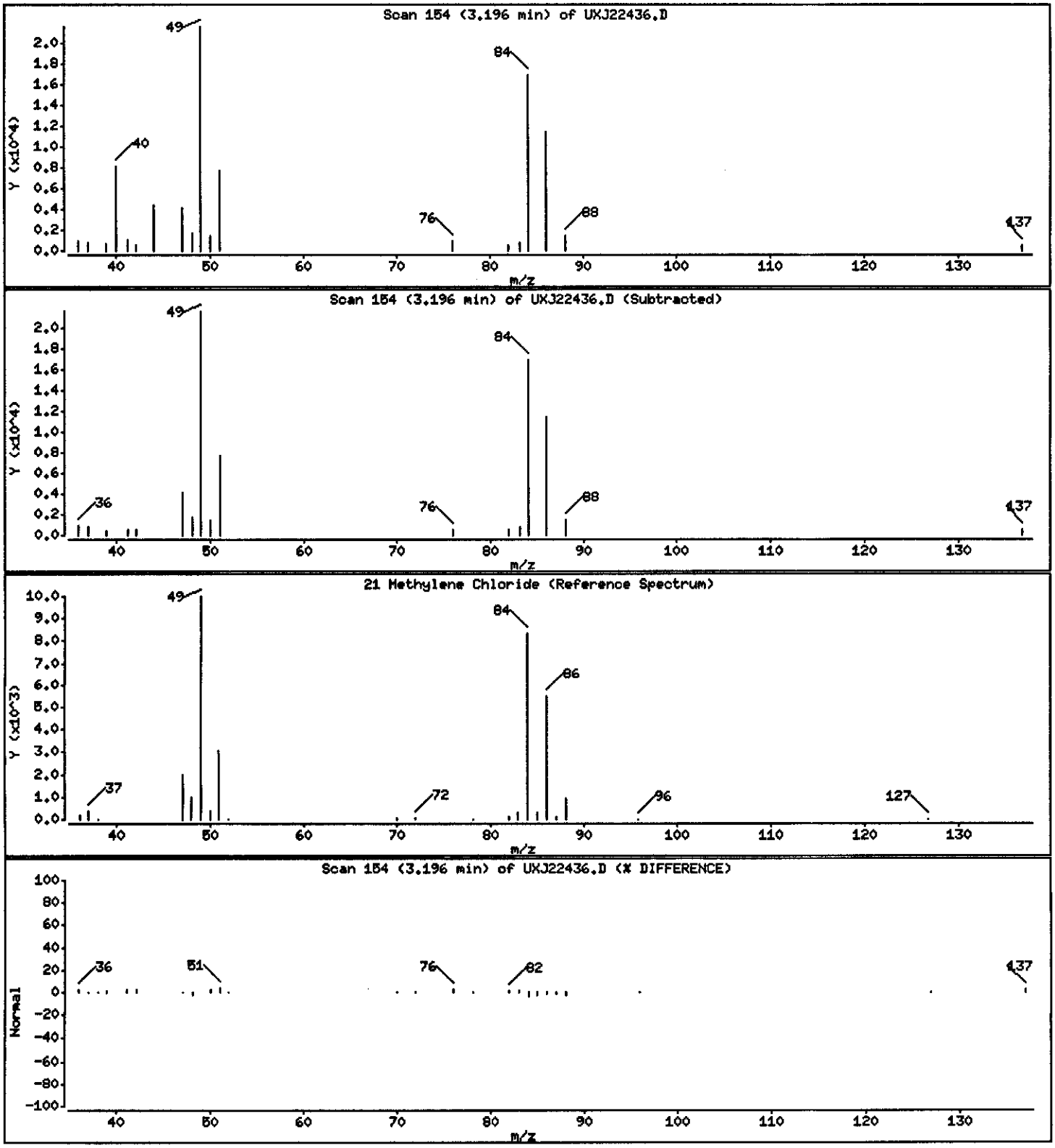
Client ID: MW505B/070804 Instrument: a3ux11.i

Sample Info: GKVP41AA,0.6ML/5ML

Purge Volume: 0.6 Operator: 43582

Column phase: DB624 Column diameter: 0.18

21 Methylene Chloride Concentration: 3.073 ug/L



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Date : 19-JUL-2004 19:35

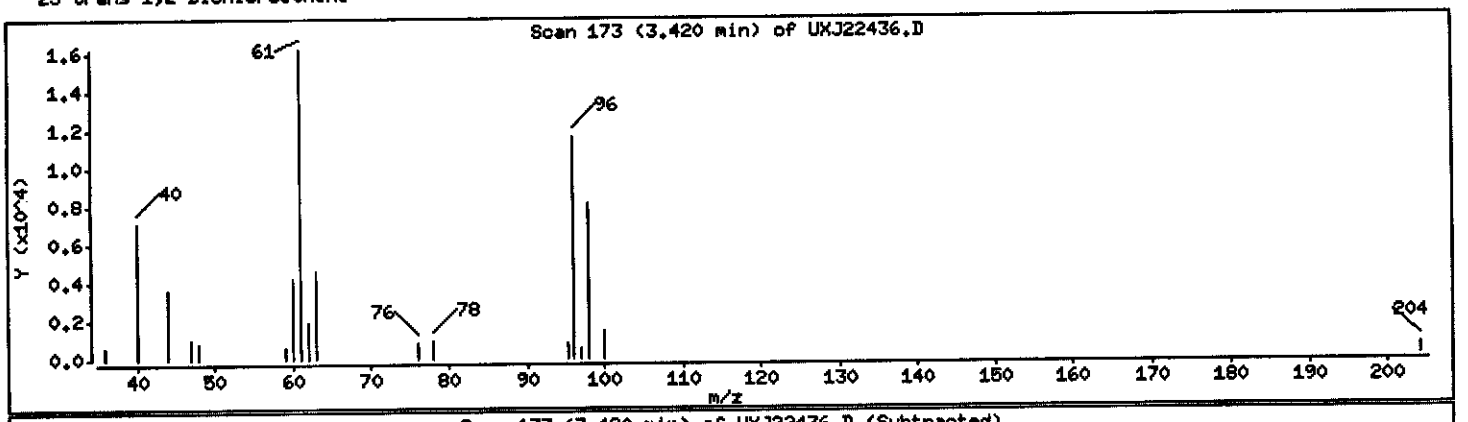
Client ID: MW505B/070804 Instrument: a3ux11.i

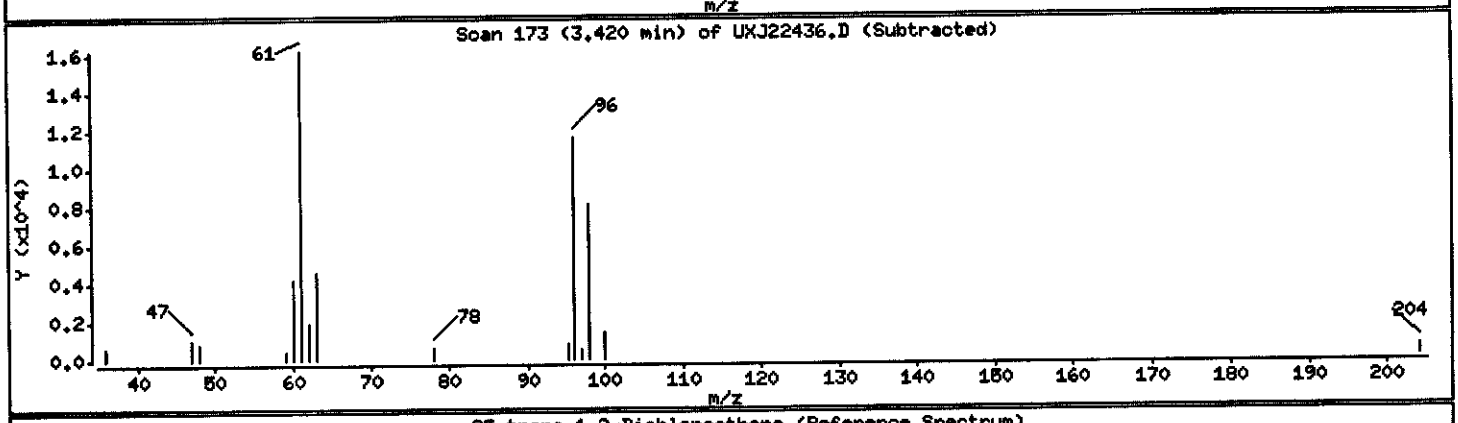
Sample Info: GKVP41AA,0.6ML/5ML

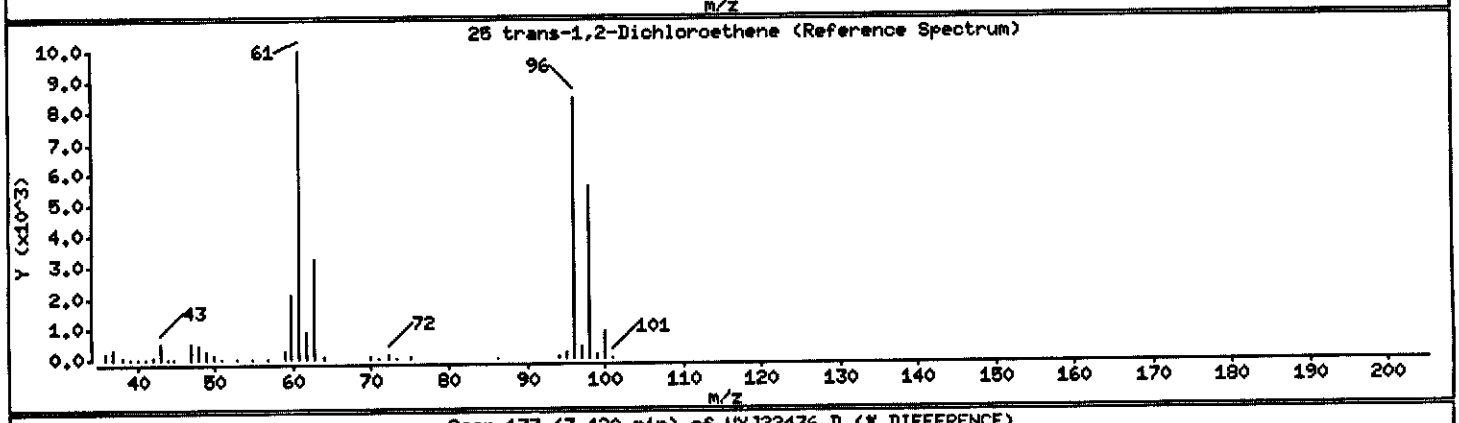
Purge Volume: 0.6 Operator: 43582

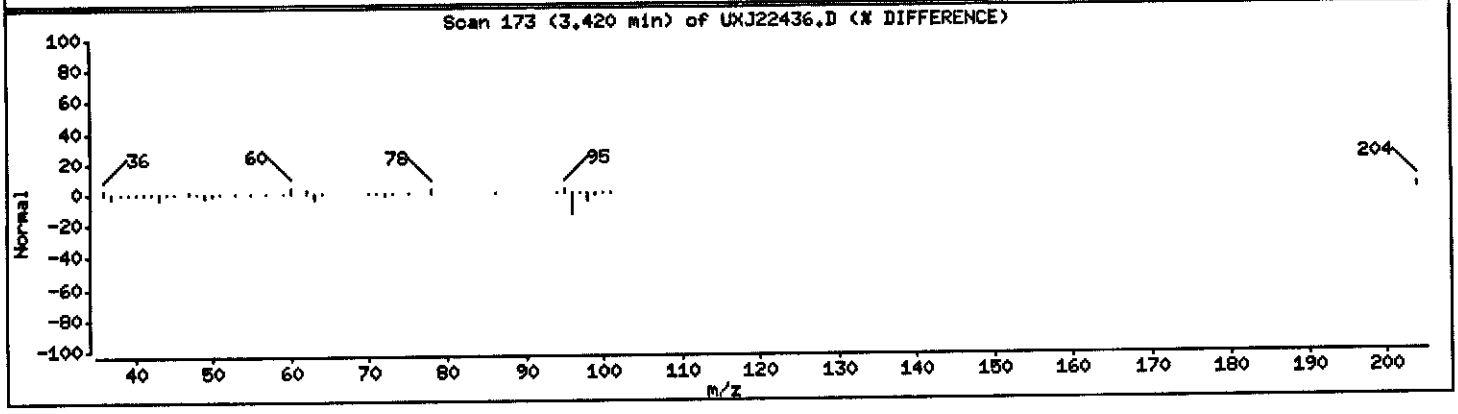
Column phase: DB624 Column diameter: 0.18

25 trans-1,2-Dichloroethene Concentration: 4.789 ug/L









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Date : 19-JUL-2004 19:35

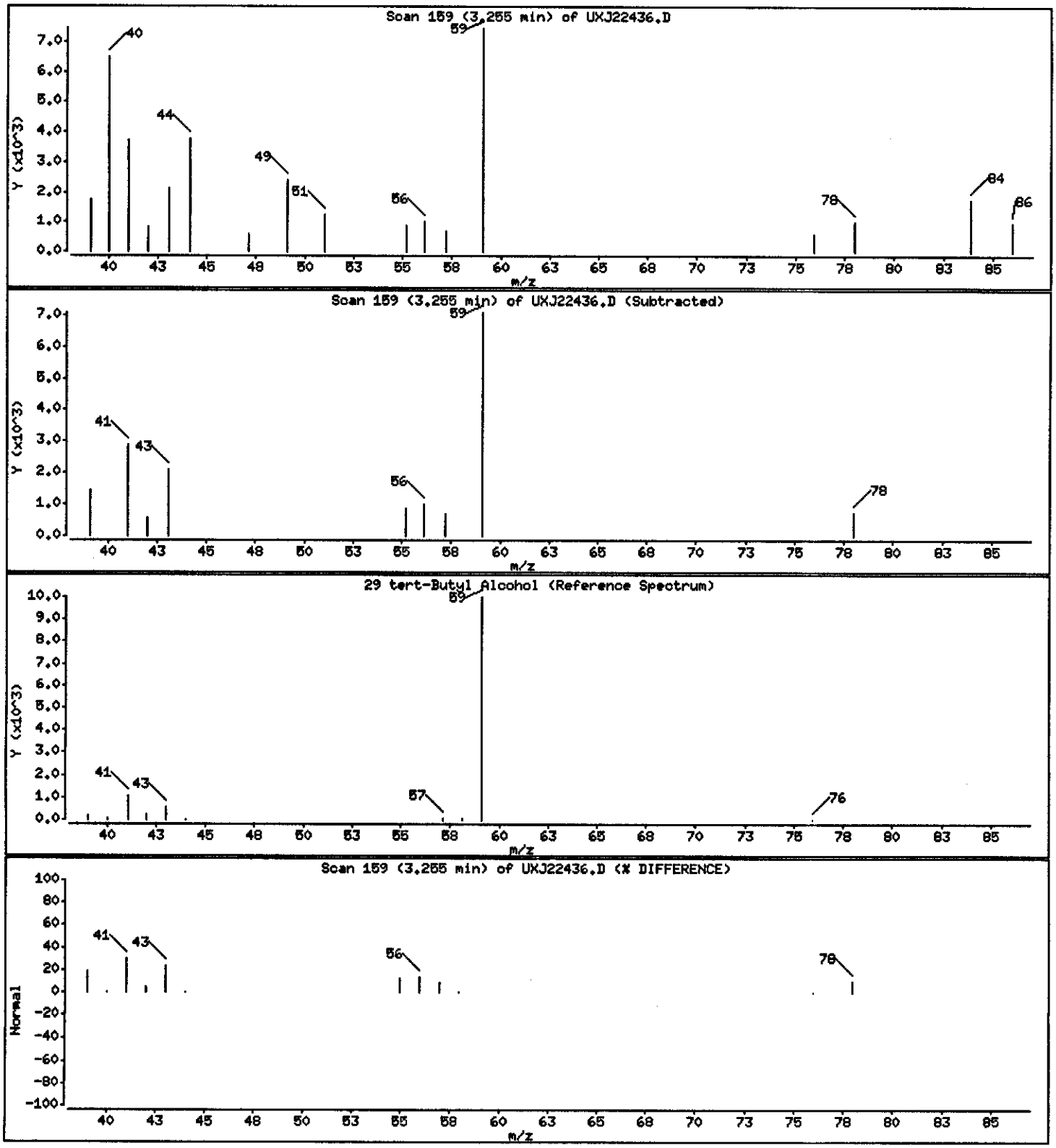
Client ID: MW505B/070804 Instrument: a3ux11.i

Sample Info: GKVP41AA,0.6ML/5ML

Purge Volume: 0.6 Operator: 43582

Column phase: DB624 Column diameter: 0.18

29 tert-Butyl Alcohol Concentration: 64.169 ug/L



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Date : 19-JUL-2004 19:35

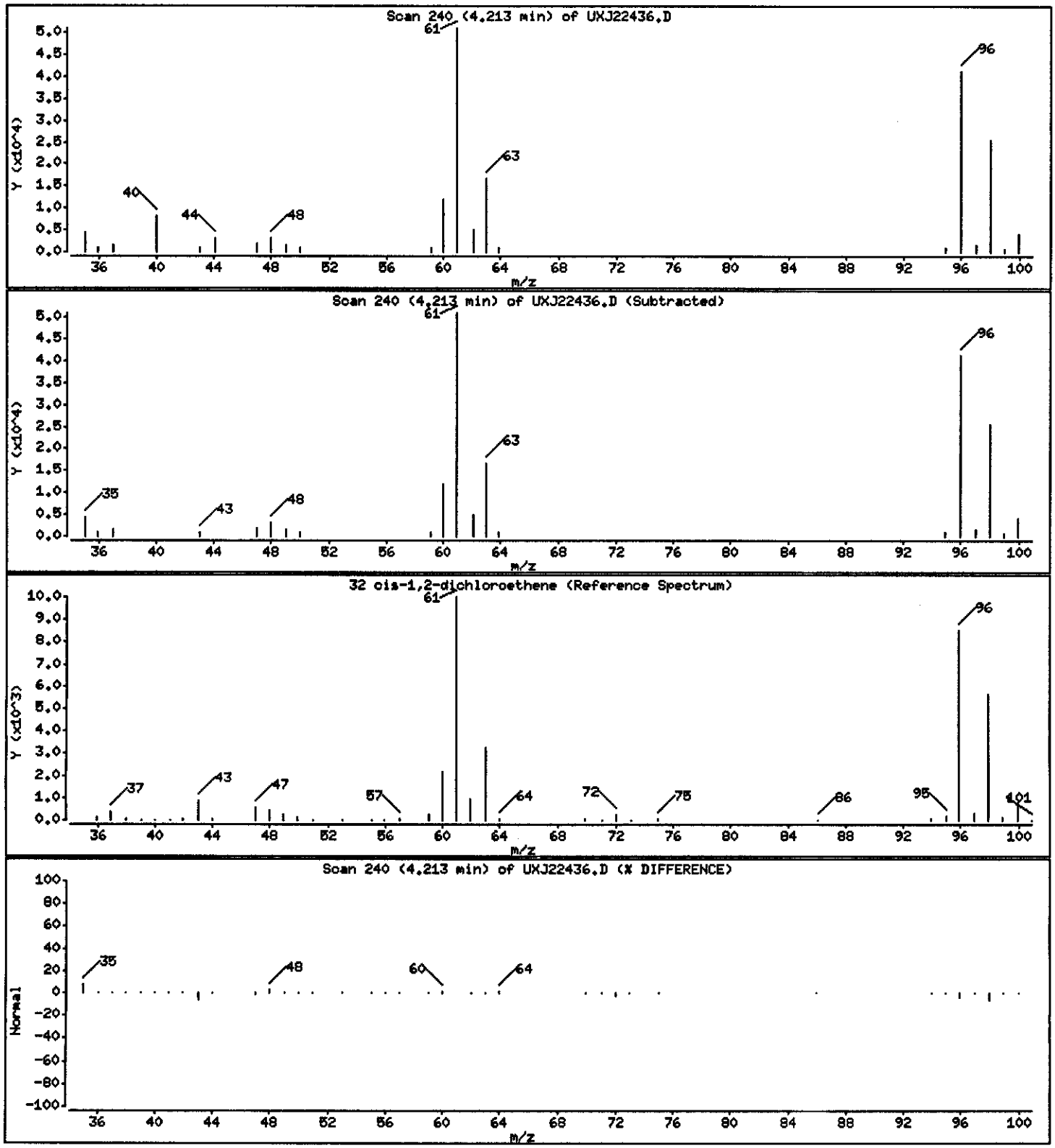
Client ID: MW505B/070804 Instrument: a3ux11.i

Sample Info: GKVP41AA,0.6ML/5ML

Purge Volume: 0.6 Operator: 43582

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 17.976 ug/L



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Date : 19-JUL-2004 19:35

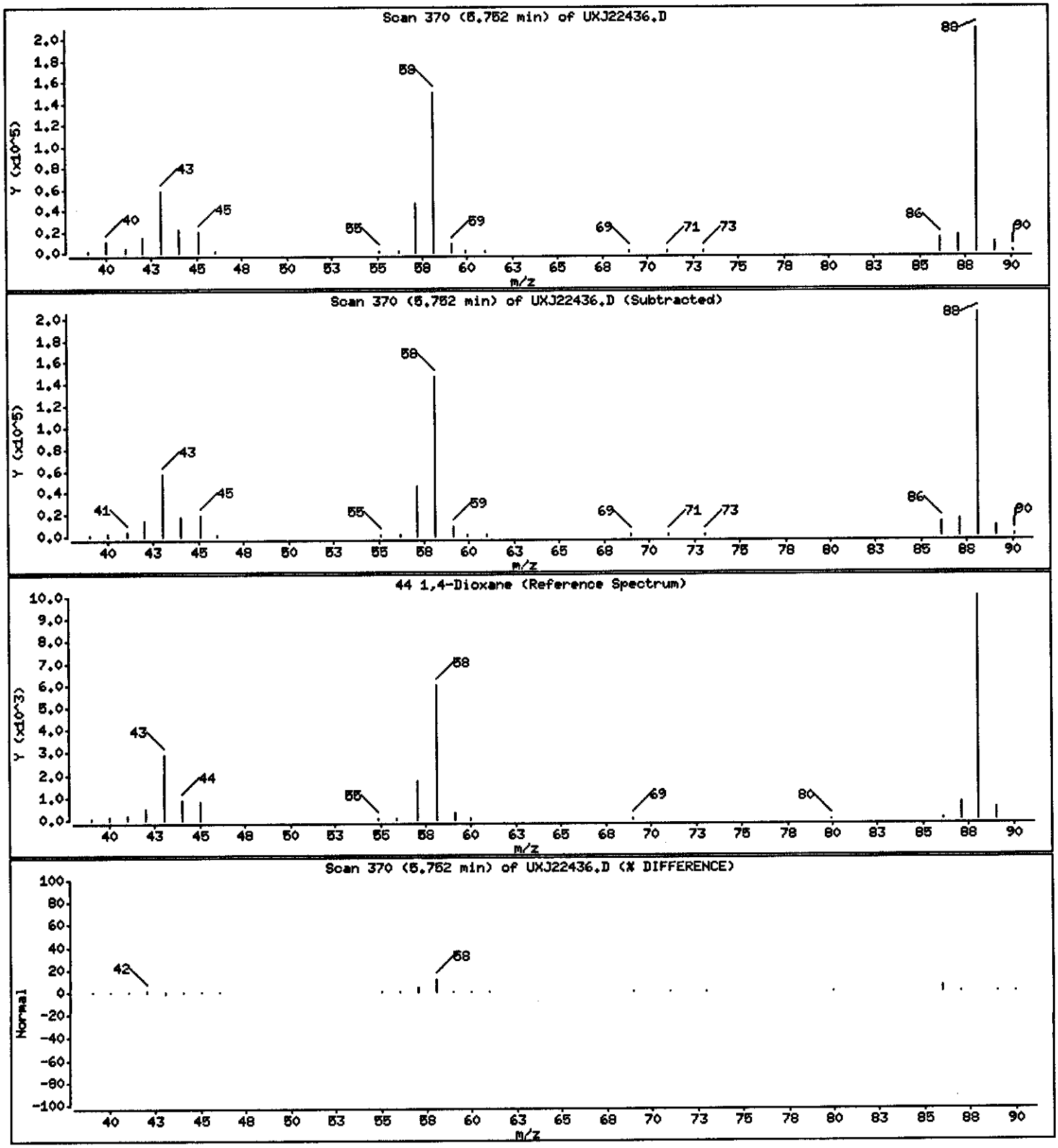
Client ID: MW505B/070804 Instrument: a3ux11.i

Sample Info: GKVP41AA,0.6ML/5ML

Purge Volume: 0.6 Operator: 43582

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 11777 ug/L



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Date : 19-JUL-2004 19:35

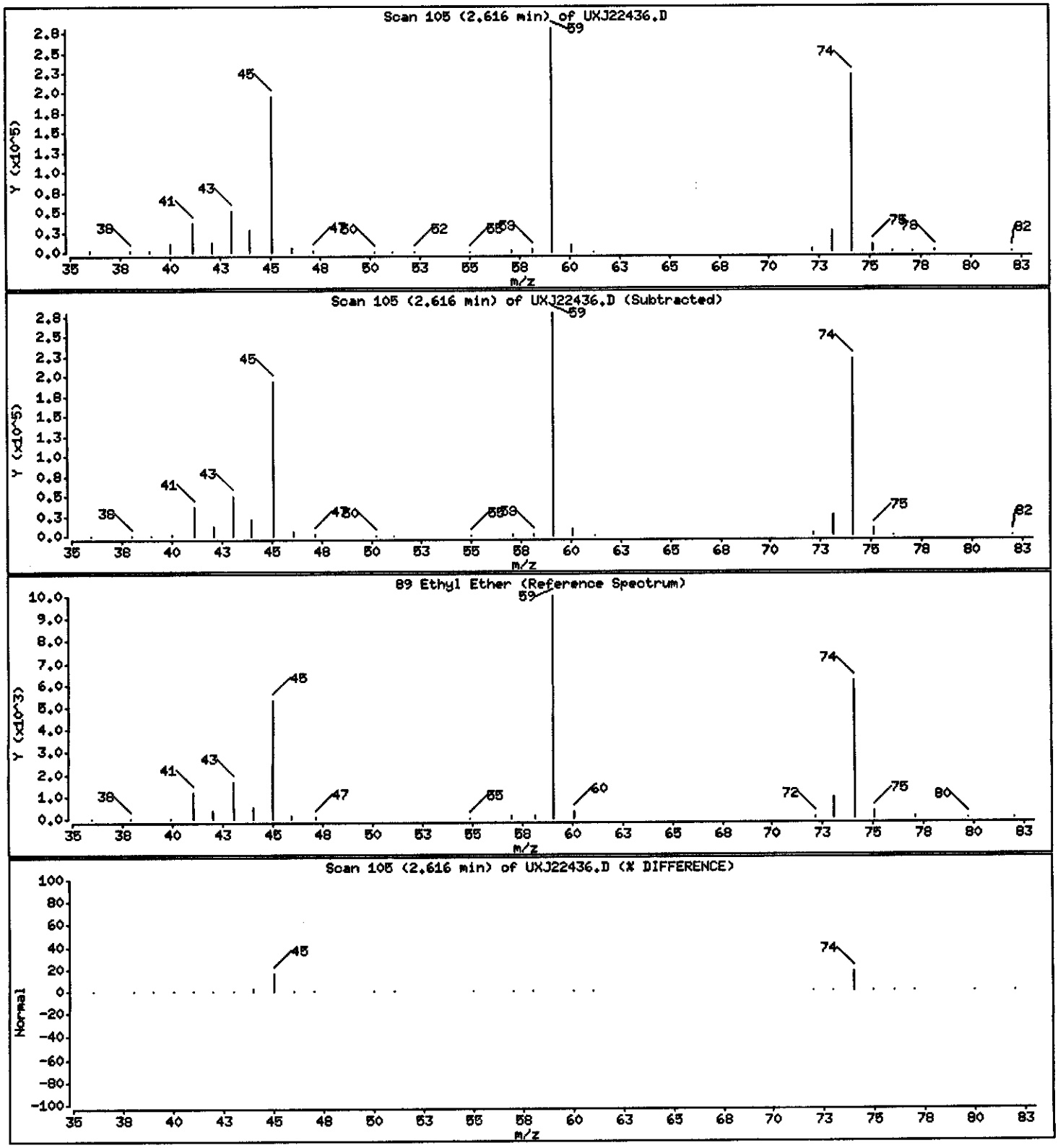
Client ID: MW505B/070804 Instrument: a3ux11.i

Sample Info: GKVP41AA,0.6ML/5ML

Purge Volume: 0.6 Operator: 43582

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 152.33 ug/L



PAYNE FIRM INC.

Client Sample ID: MW504/070804

GC/MS Volatiles

Lot-Sample #...: A4G100202-008 **Work Order #...:** GKVP51AA **Matrix.....:** WG
Date Sampled...: 07/08/04 15:40 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202226
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**5.2 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	**1.2 J**	**10**	**ug/L**
Carbon disulfide	**1.9**	**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	**3.1**	**1.0**	**ug/L**
Chloromethane	**0.40 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	**83**	**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: MW504/070804

GC/MS Volatiles

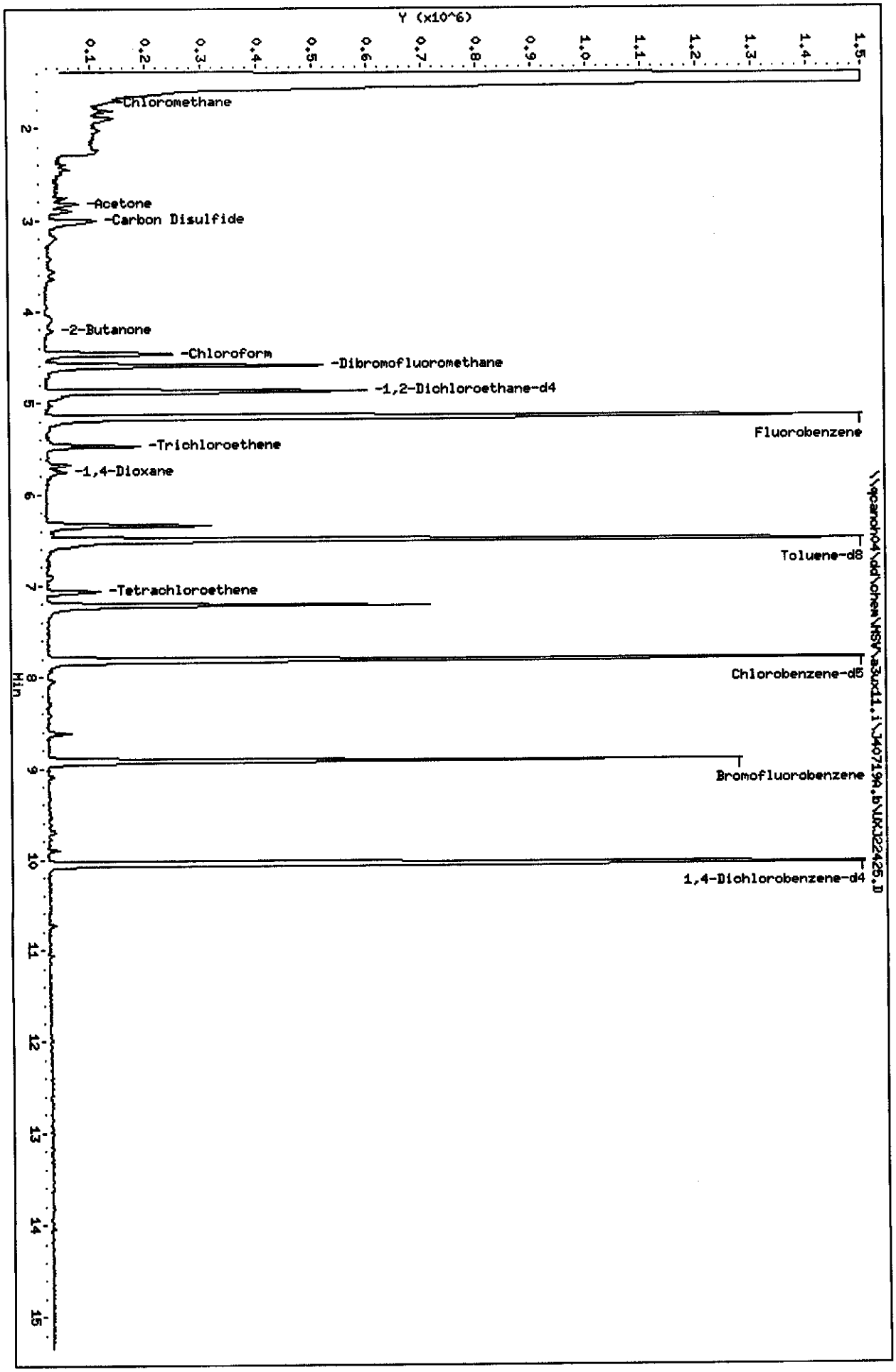
Lot-Sample #...: A4G100202-008 **Work Order #...:** GKVP51AA **Matrix.....:** WG

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	**0.73 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	108	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	85	(76 - 110)
4-Bromofluorobenzene	75	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 19-JUL-2004 15:25
Client ID: MW504/070804
Sample Info: GKVP5100,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ud1.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Chloromethane
Acetone
Carbon Disulfide
2-Butanone
Chloroform
Dibromofluoromethane
1,2-Dichloroethane-d4
Fluorobenzene
Trichloroethene
1,4-Dioxane
Toluene-d8
Tetrachloroethene
Chlorobenzene-d5
Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\MSV\a3ud1.i\J407190.b\UXJ22425.D
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22425.D
Report Date: 20-Jul-2004 11:09

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22425.D
Lab Smp Id: GKVP51AA Client Smp ID: MW504/070804
Inj Date : 19-JUL-2004 15:25
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GKVP51AA,5ML/5ML
Misc Info : J40719A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\8260LLUX11.m
Meth Date : 20-Jul-2004 10:58 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	1642786	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1406697	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	679895	50.0000	
$ 4 Dibromofluoromethane	113	4.591	4.591	(0.890)	364885	53.7656	10.753
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	449327	51.0613	10.212
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	1431490	42.6683	8.534
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	528024	37.4948	7.499
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.728	1.728	(0.335)	24701	1.97587	0.3952
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	2.828	2.828	(0.548)	98655	26.0153	5.203
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22425.D
Report Date: 20-Jul-2004 11:09

	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	3.006	3.006	(0.583)	274869	9.66763	1.934
	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	4.213	4.201	(0.817)	27122	5.79716	1.159
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.461	4.461	(0.865)	223777	15.6393	3.128
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	5.467	5.467	(1.060)	70157	8.03674	1.607
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.763	5.751	(1.117)	36786	412.935	82.587(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	7.064	7.064	(0.905)	26501	3.65904	0.7318
	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\a3ux11.i\J40719A.b\UXJ22425.D
Report Date: 20-Jul-2004 11:09

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

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22425.D

Date : 19-JUL-2004 15:25

Client ID: MW504/070804

Instrument: a3ux11.i

Sample Info: GKVP51AA,5ML/5ML

Purge Volume: 5.0

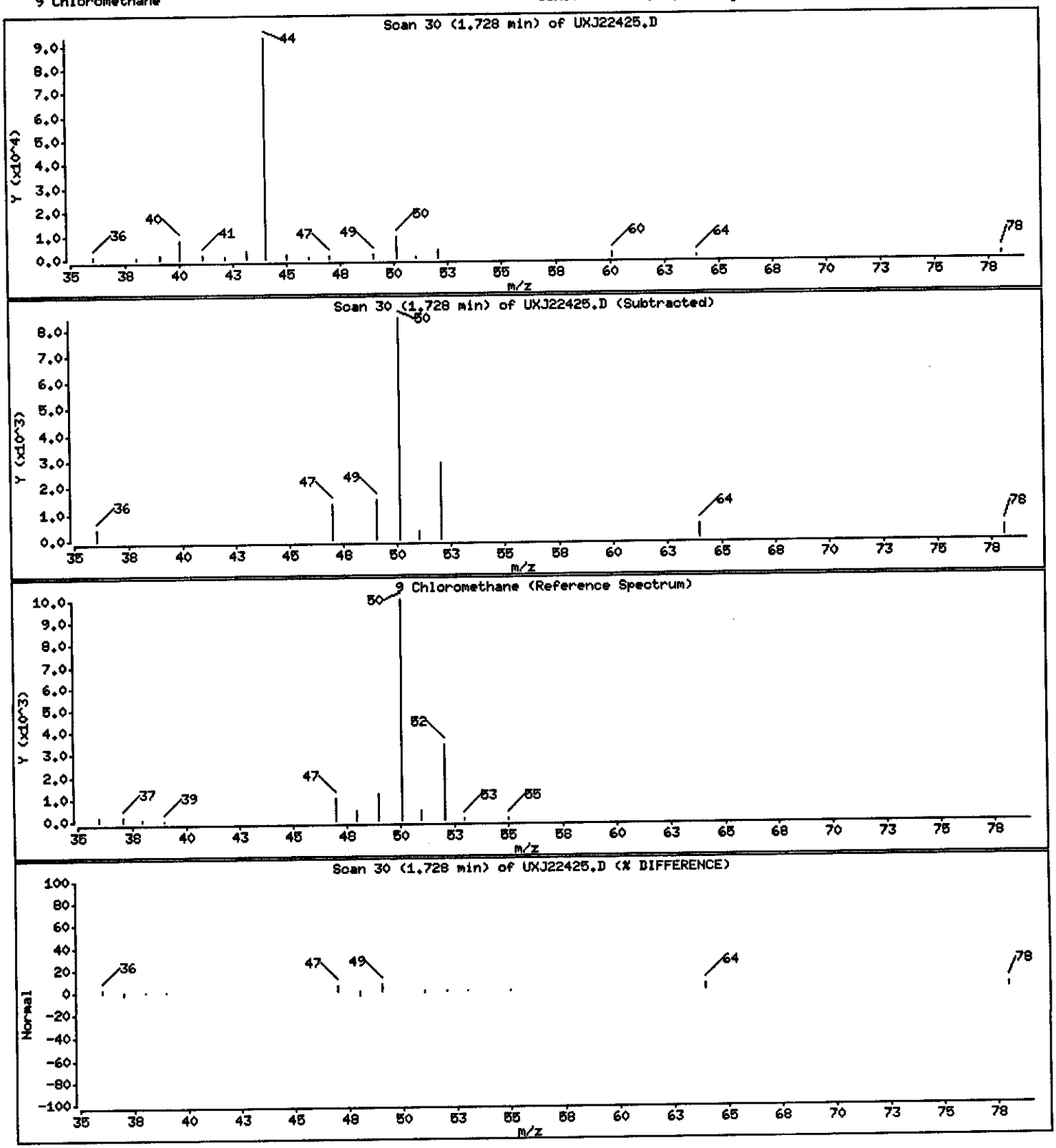
Operator: 43582

Column phase: DB624

Column diameter: 0.18

9 Chloromethane

Concentration: 0.3952 ug/L



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Date : 19-JUL-2004 15:25

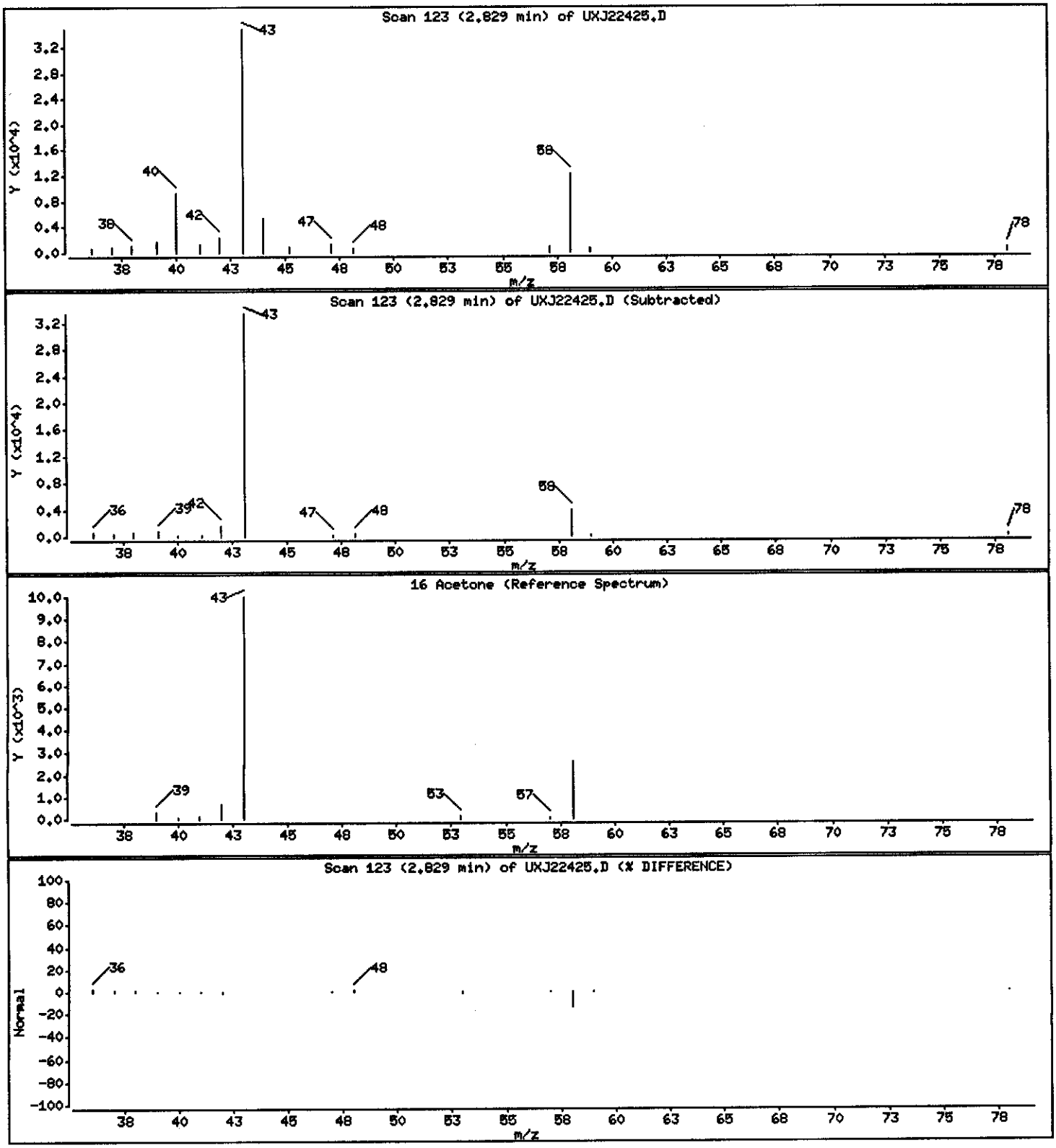
Client ID: MW504/070804 Instrument: a3ux11.i

Sample Info: GKVP51AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 5.203 ug/L



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Date : 19-JUL-2004 15:25

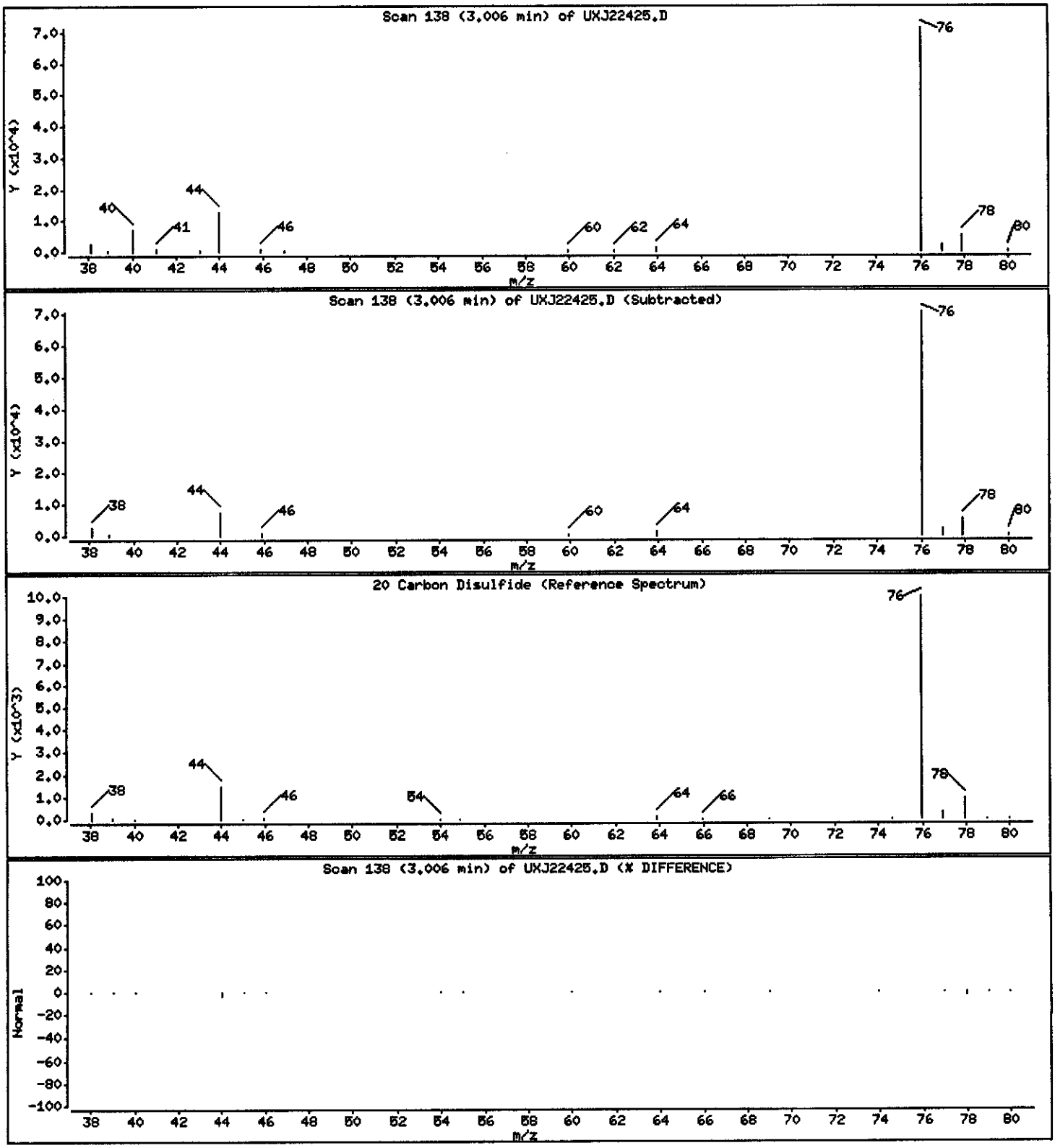
Client ID: MW504/070804 Instrument: a3ux11.i

Sample Info: CKVP51AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 1.934 ug/L



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Date : 19-JUL-2004 15:25

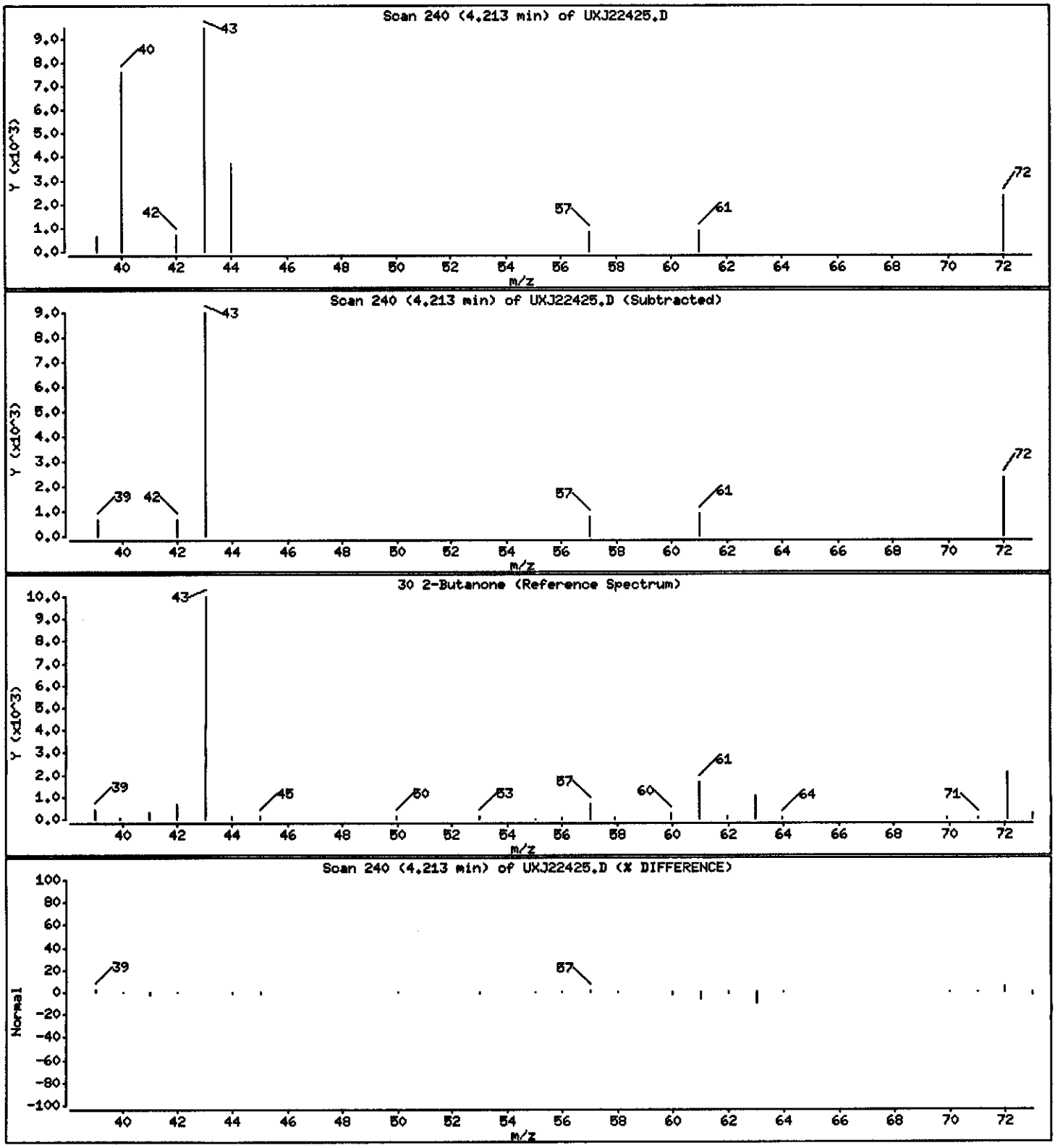
Client ID: MW504/070804 Instrument: a3ux11.i

Sample Info: GKVP51AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

30 2-Butanone Concentration: 1.159 ug/L



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Date : 19-JUL-2004 15:25

Client ID: MW504/070804

Instrument: a3ux11.i

Sample Info: GKVP51AA,5ML/5ML

Purge Volume: 5.0

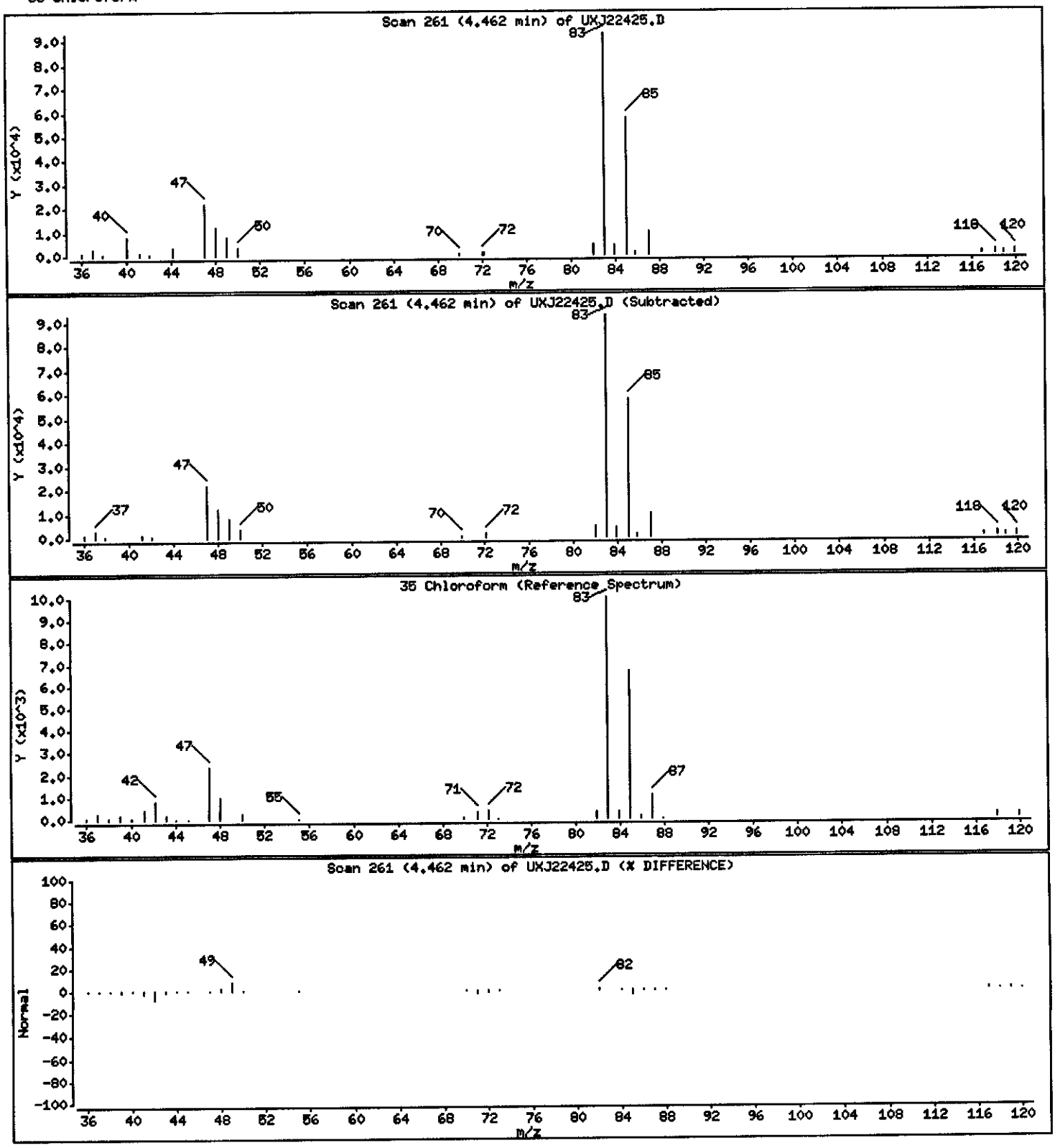
Operator: 43582

Column phase: DB624

Column diameter: 0.18

35 Chloroform

Concentration: 3.128 ug/L



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Date : 19-JUL-2004 15:25

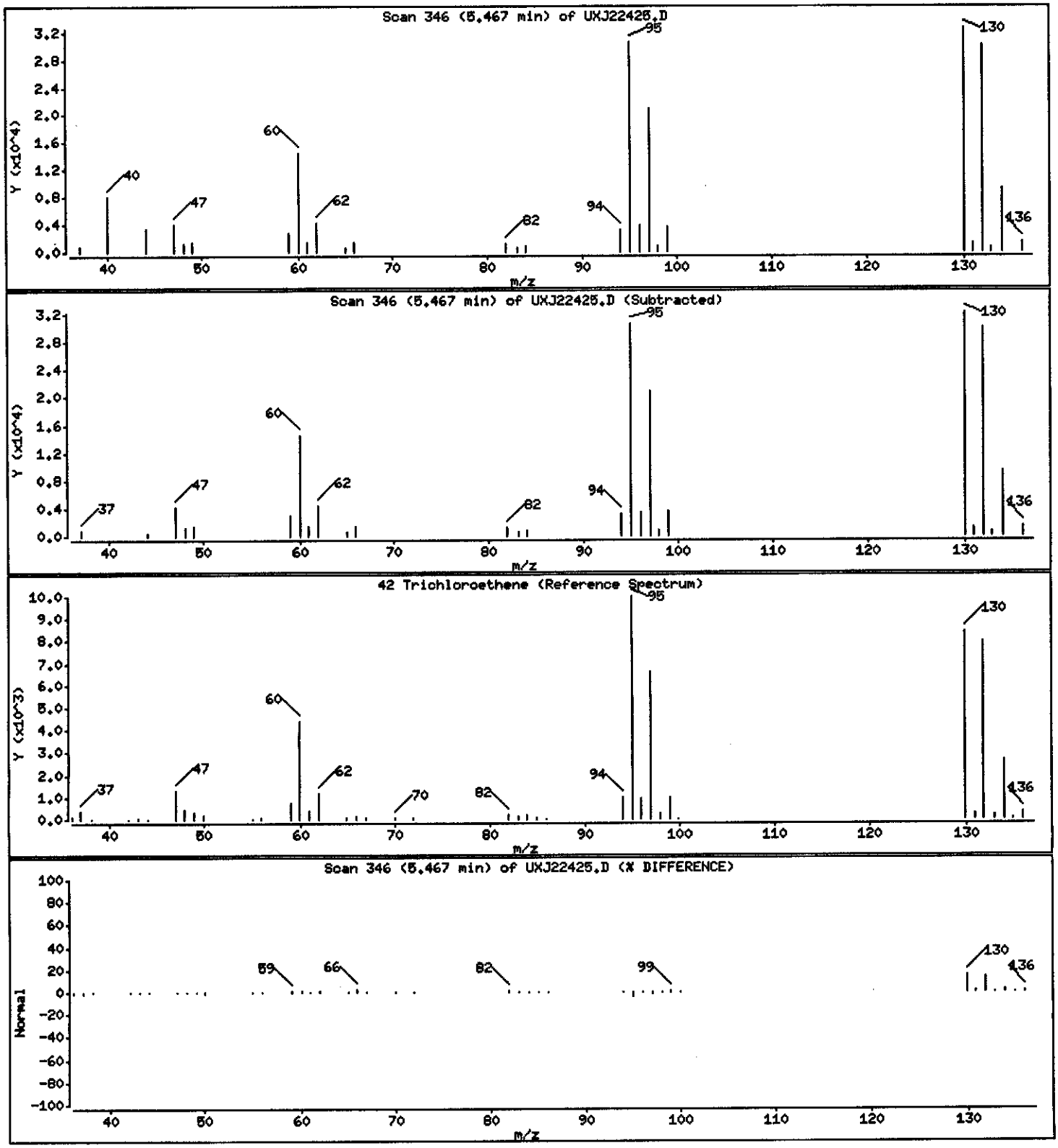
Client ID: MW504/070804 Instrument: a3ux11.i

Sample Info: GKVP51AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

42 Trichloroethene Concentration: 1.607 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22425.D

Date : 19-JUL-2004 15:25

Client ID: MW504/070804

Instrument: a3ux11.i

Sample Info: GKVP51AA,5ML/5ML

Purge Volume: 5.0

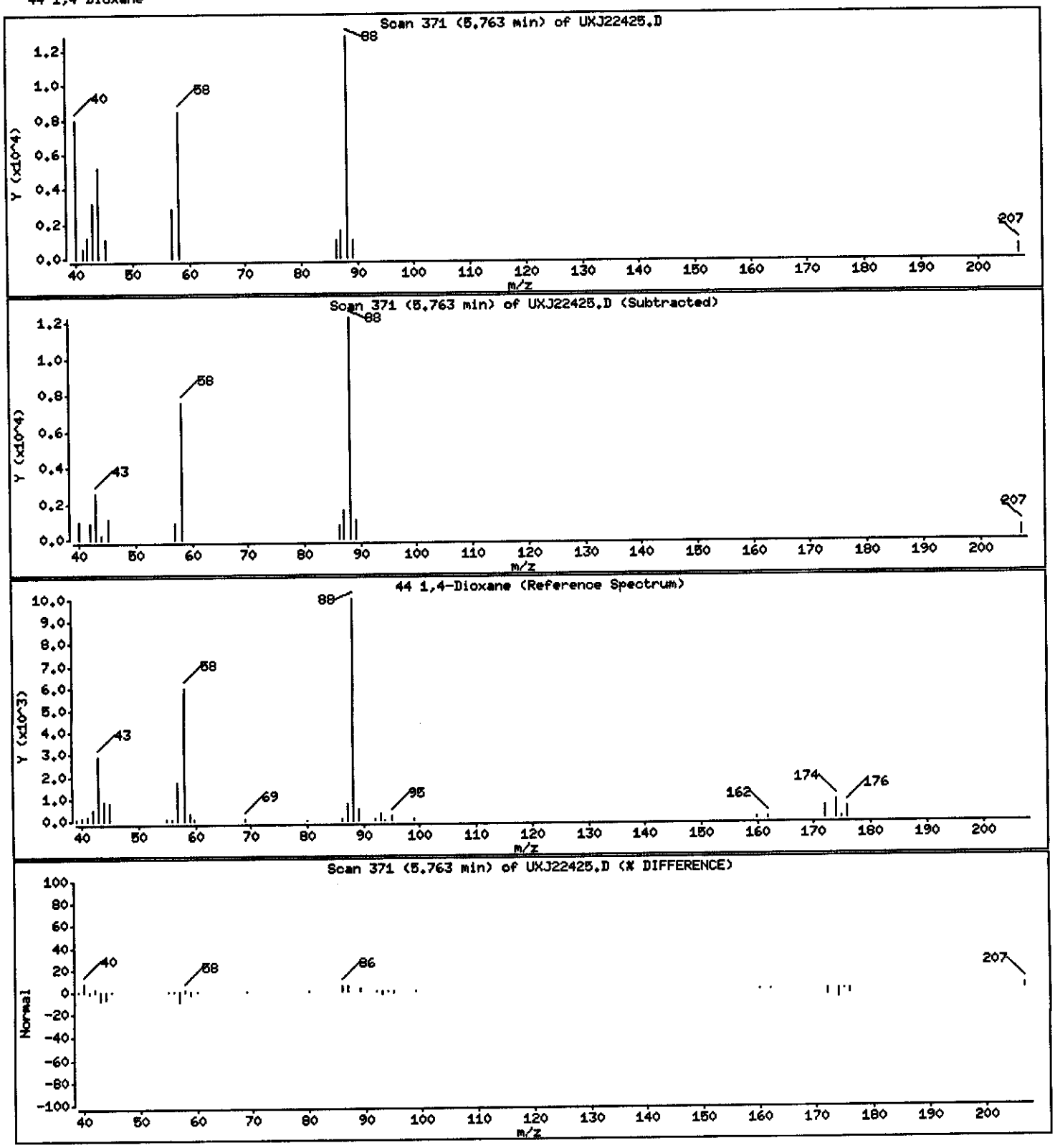
Operator: 43582

Column phase: DB624

Column diameter: 0.18

44 1,4-Dioxane

Concentration: 82.587 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22425.D

Date : 19-JUL-2004 15:25

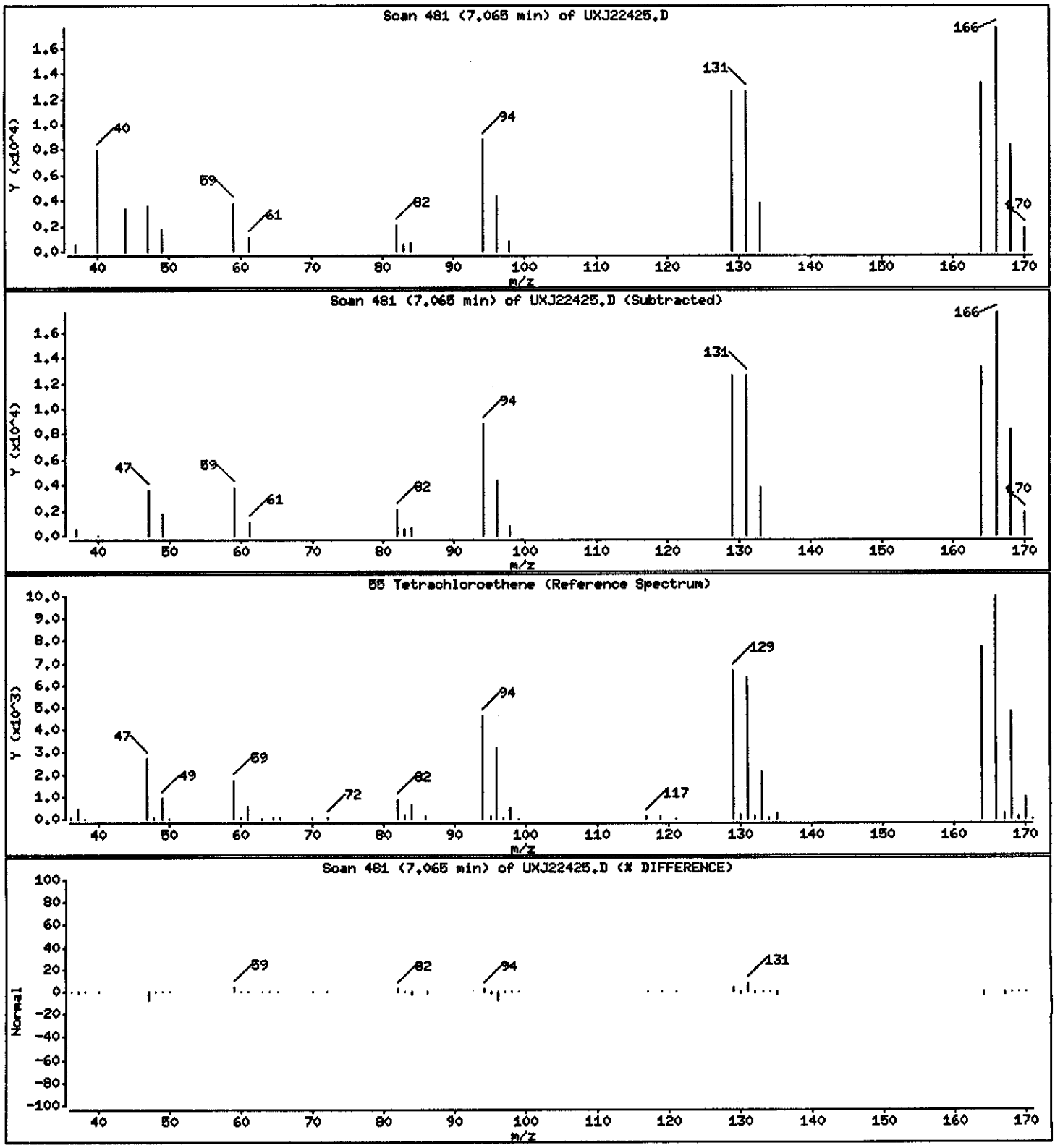
Client ID: MW504/070804 Instrument: a3ux11.i

Sample Info: GKVP51AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

55 Tetrachloroethene Concentration: 0.7318 ug/L



PAYNE FIRM INC.

Client Sample ID: MW510A/070904

GC/MS Volatiles

Lot-Sample #...: A4G100202-009 **Work Order #...:** GKVP61AA **Matrix.....:** WG
Date Sampled...: 07/09/04 09:45 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202119
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	**0.60 J**	**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	**1.0**	**1.0**	**ug/L**
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**0.56 J**	**1.0**	**ug/L**
Chloromethane	**0.27 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	**0.49 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**12**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	**1.0**	**1.0**	**ug/L**
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	**13**	**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	**1700**	**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: MW510A/070904

GC/MS Volatiles

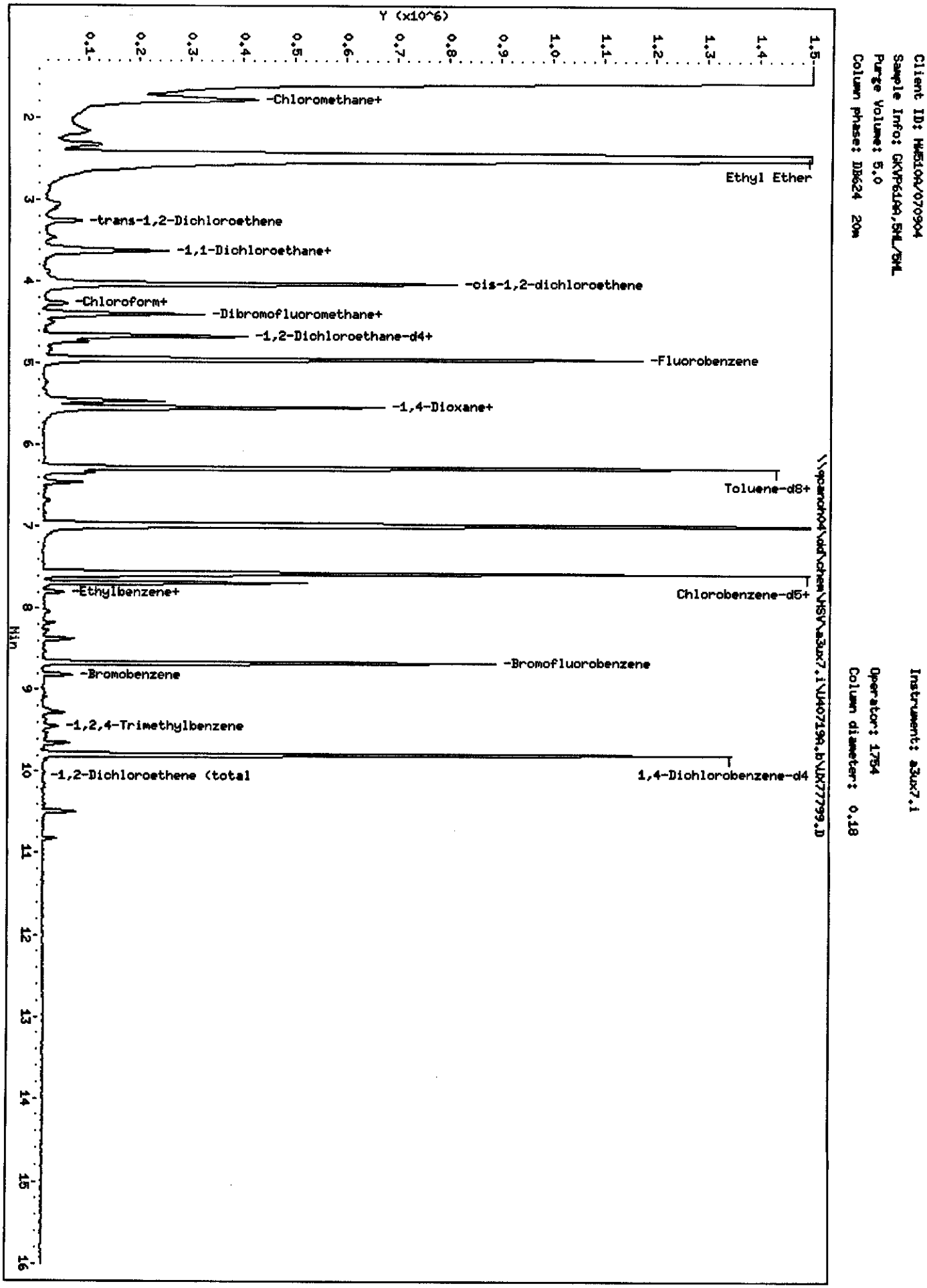
Lot-Sample #...: A4G100202-009 **Work Order #...:** GKVP61AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.48 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	**15**	**1.0**	**ug/L**
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
Toluene-d8	88	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 19-JUL-2004 17:33
Client ID: HW5104/070904
Sample Info: GKVP6100,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Chloromethane+
Ethyl Ether
-trans-1,2-Dichloroethene
-1,1-Dichloroethane+
-cis-1,2-dichloroethene
-Chloroform+
-Dibromofluoromethane+
-1,2-Dichloroethane-d4+
-Fluorobenzene
-1,4-Dioxane+
Toluene-d8+
-Ethylbenzene+
Chlorobenzene-d5+
-Bromofluorobenzene
-Bromobenzene
-1,2,4-Trimethylbenzene
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77799.D
Report Date: 20-Jul-2004 09:18

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77799.D
Lab Smp Id: GKVP61AA Client Smp ID: MW510A/070904
Inj Date : 19-JUL-2004 17:33
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GKVP61AA,5ML/5ML
Misc Info : U40719A,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 09:00 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 25
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	4.940	(1.000)	1258350	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	877121	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	367344	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	248949	44.8597	8.972
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	378021	44.8214	8.964
$ 6 Toluene-d8	98	6.277	6.278	(0.830)	1047815	44.1194	8.824
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	374076	40.7945	8.159
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.663	1.651	(0.336)	13724	1.35346	0.2707
10 Vinyl Chloride	62	1.769	1.757	(0.357)	672153	77.0425	15.408
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\U40719A.b\UX77799.D
Report Date: 20-Jul-2004 09:18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	3.260	3.248	(0.658)	35118	4.97485	0.9950
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.580	3.568	(0.723)	33262	2.43857	0.4877
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				493491	65.8123	13.162
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	458373	60.8375	12.167
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.278	4.266	(0.864)	34656	2.82161	0.5643
	36 Tetrahydrofuran	42	4.254	4.254	(0.859)	14746	5.16124	1.032
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.739	4.727	(0.957)	91876	2.99357	0.5987
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.532	5.532	(1.117)	606053	8725.36	1745.1(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	6.337	6.337	(0.837)	75336	2.39090	0.4782
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	7.603	7.591	(1.005)	95679	5.17587	1.035
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.697	7.697	(1.017)	7342	0.75728	0.1514
	62 m + p-Xylene	106	7.804	7.804	(1.031)	14080	1.19412	0.2388
M	63 Xylenes (total)	106				14080	1.19412	0.2388
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77799.D
Report Date: 20-Jul-2004 09:18

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	8.822	8.822	(0.901)	16972	2.61587	0.5232
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	9.449	9.449	(0.965)	14192	0.64966	0.1299
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.					n/R
89 Ethyl Ether	59	2.467	2.467	(0.498)	14854953	2458.30	491.66(A)
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	3.627	3.615	(0.732)	82898	13.8250	2.765
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	4.514	4.503	(0.912)	18135	1.59212	0.3184(a)
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.437	5.426	(1.098)	12297	1.49801	0.2996
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77799.D

Date : 19-JUL-2004 17:33

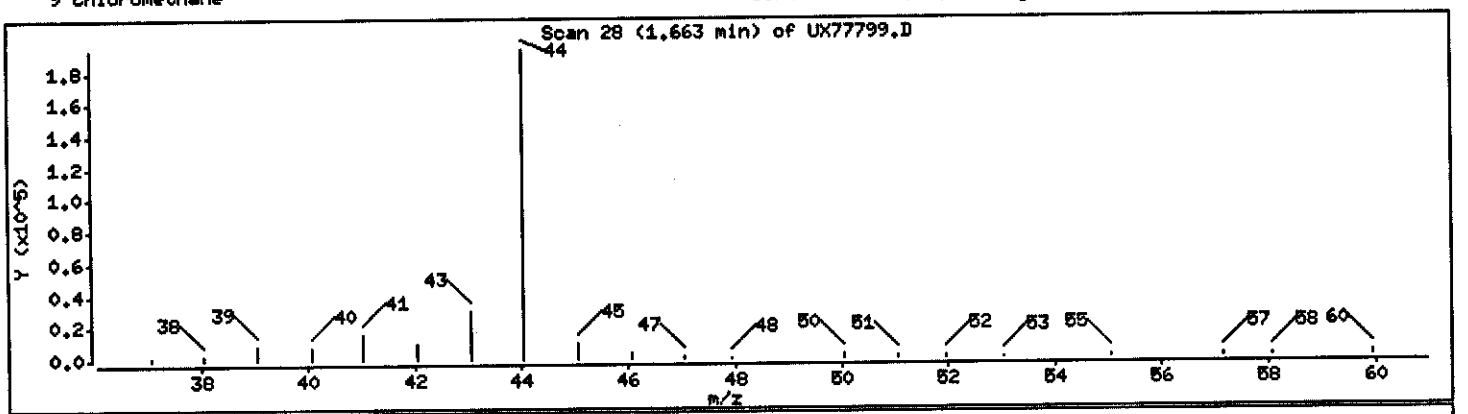
Client ID: MW510A/070904 Instrument: a3ux7.i

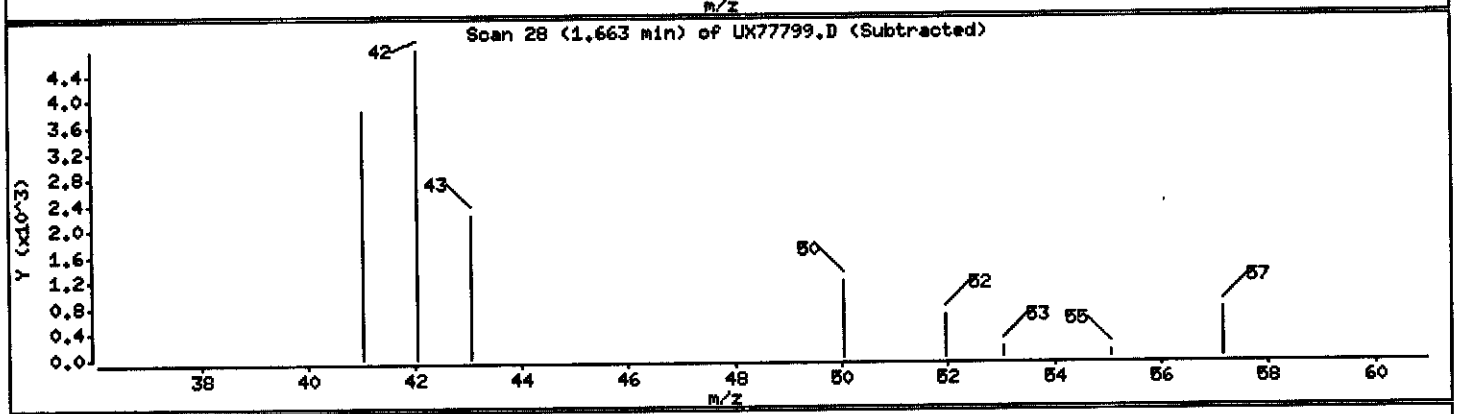
Sample Info: GKVP61AA,5ML/5ML

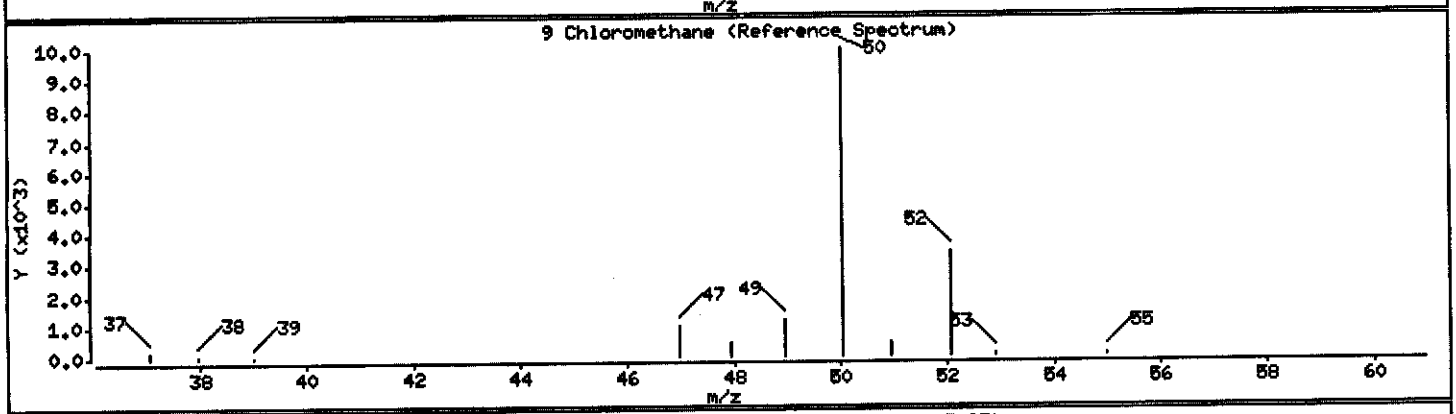
Purge Volume: 5.0 Operator: 1754

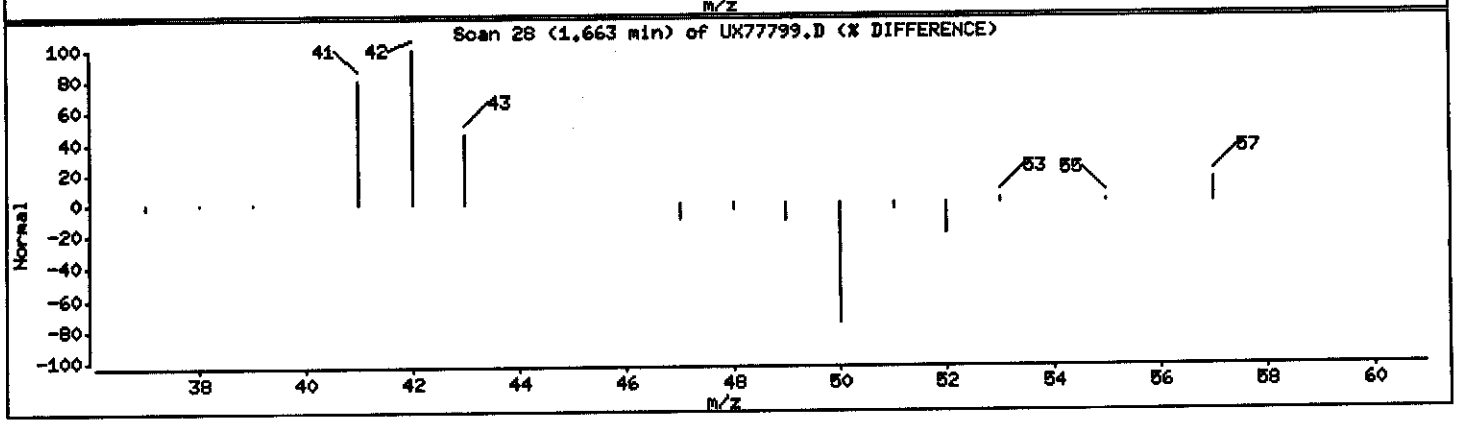
Column phase: DB624 20m Column diameter: 0.18

9 Chloromethane Concentration: 0.2707 ug/L









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Date : 19-JUL-2004 17:33

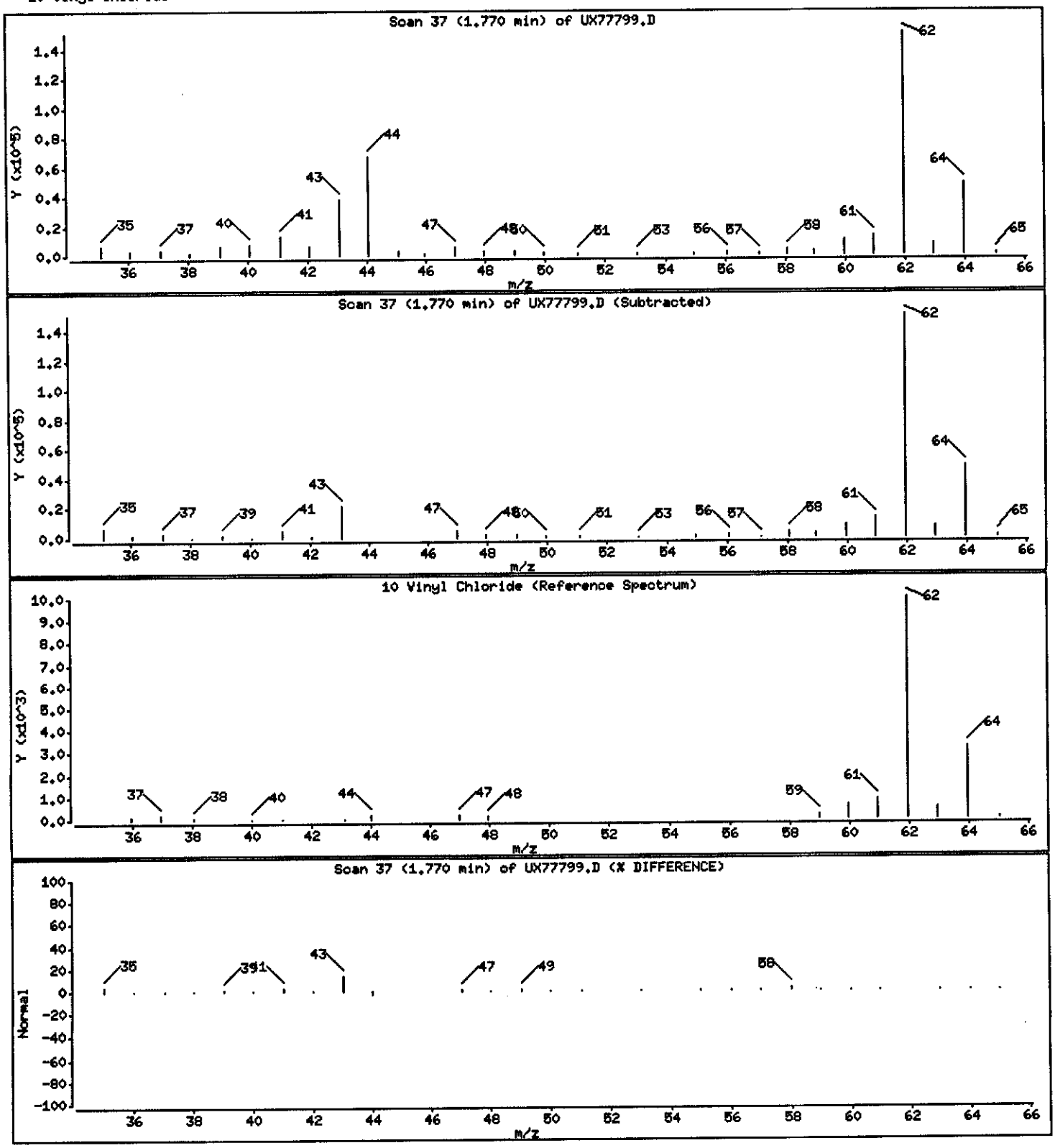
Client ID: MW510A/070904 Instrument: a3ux7.i

Sample Info: GKVP61AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

10 Vinyl Chloride Concentration: 15.408 ug/L



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Date : 19-JUL-2004 17:33

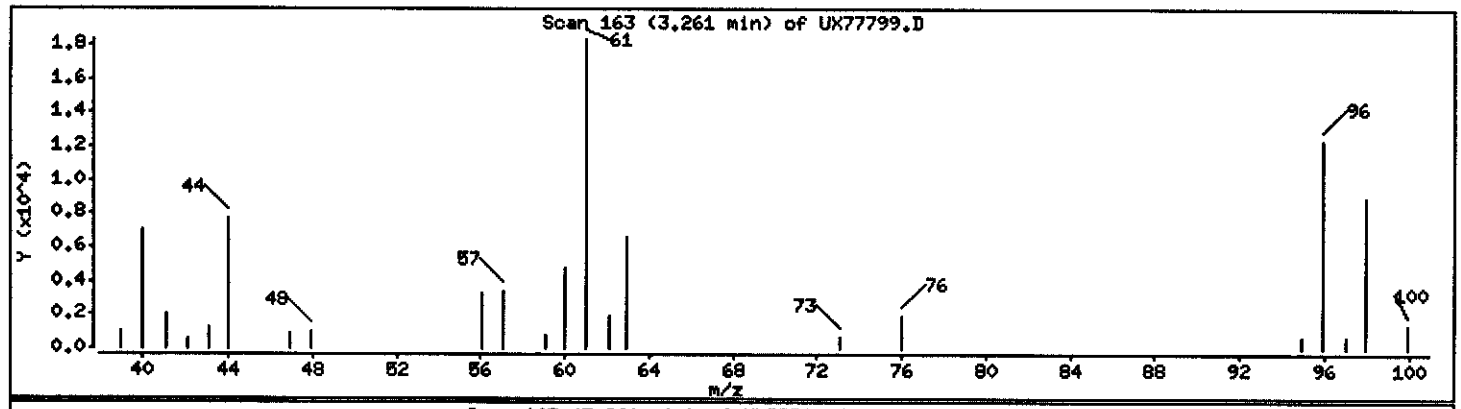
Client ID: MW510A/070904 Instrument: a3ux7.i

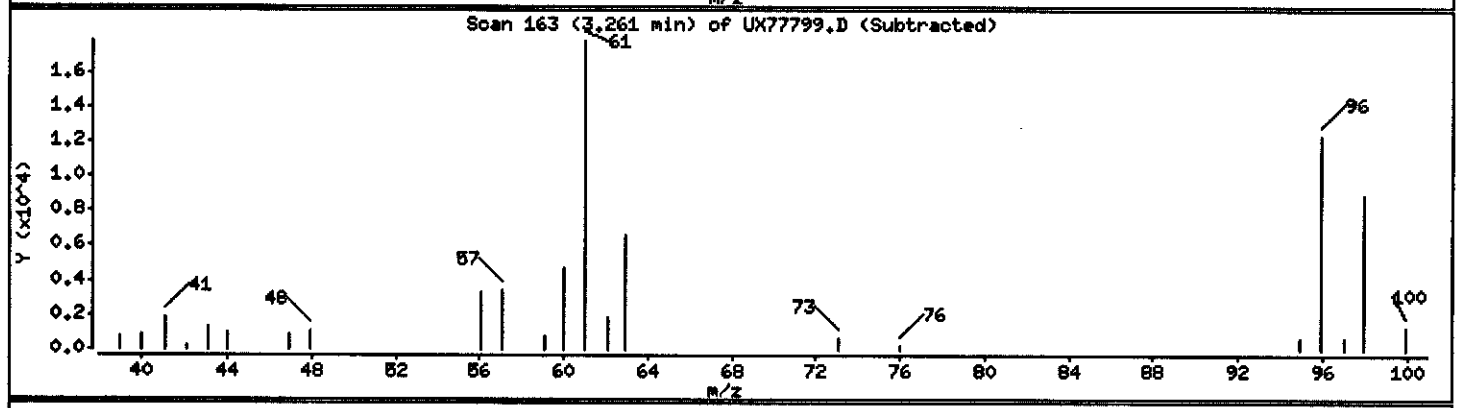
Sample Info: GKVP61AA,5ML/5ML

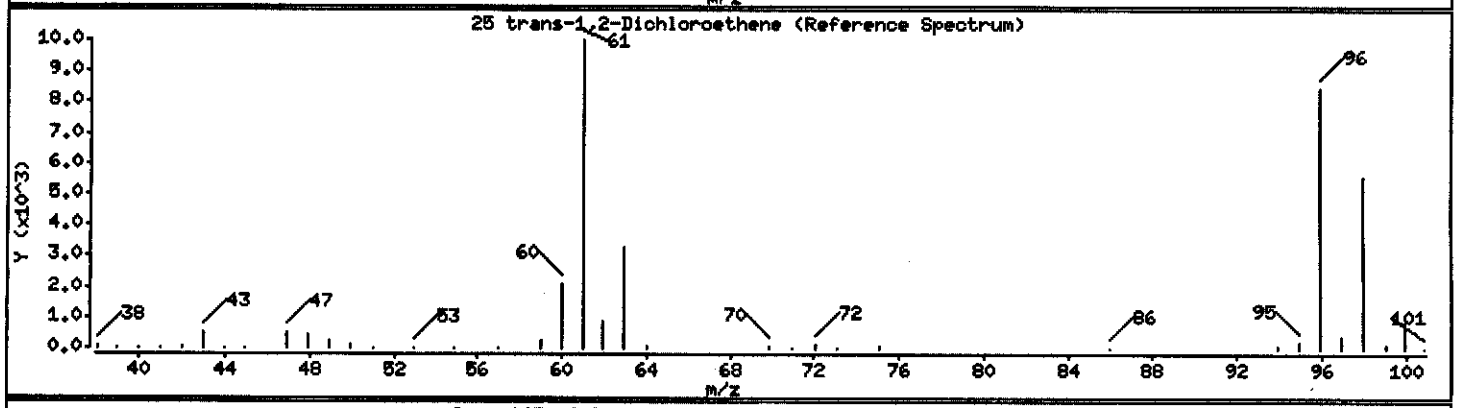
Purge Volume: 5.0 Operator: 1754

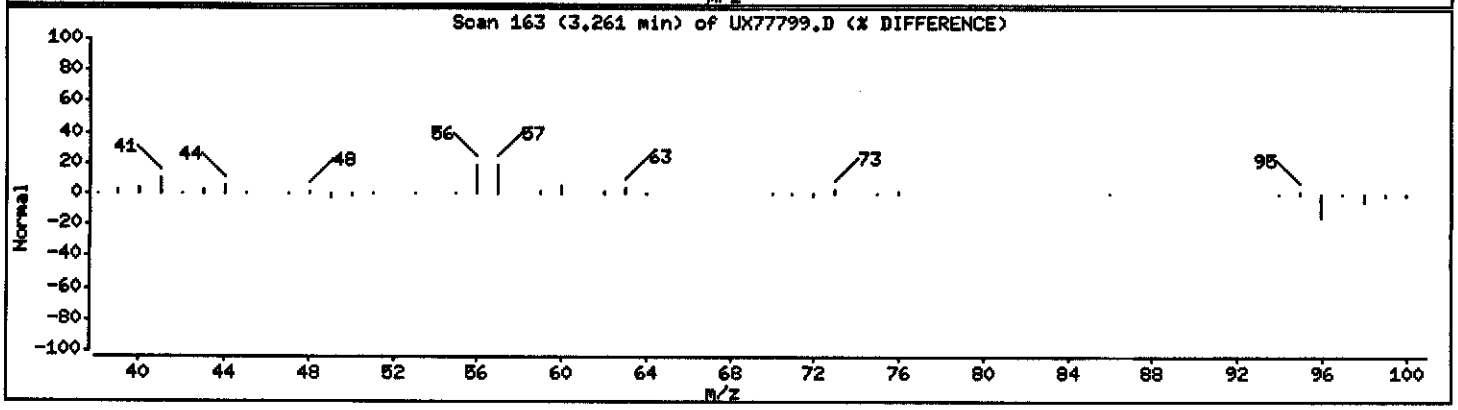
Column phase: DB624 20m Column diameter: 0.18

25 trans-1,2-Dichloroethene Concentration: 0.9950 ug/L









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Date : 19-JUL-2004 17:33

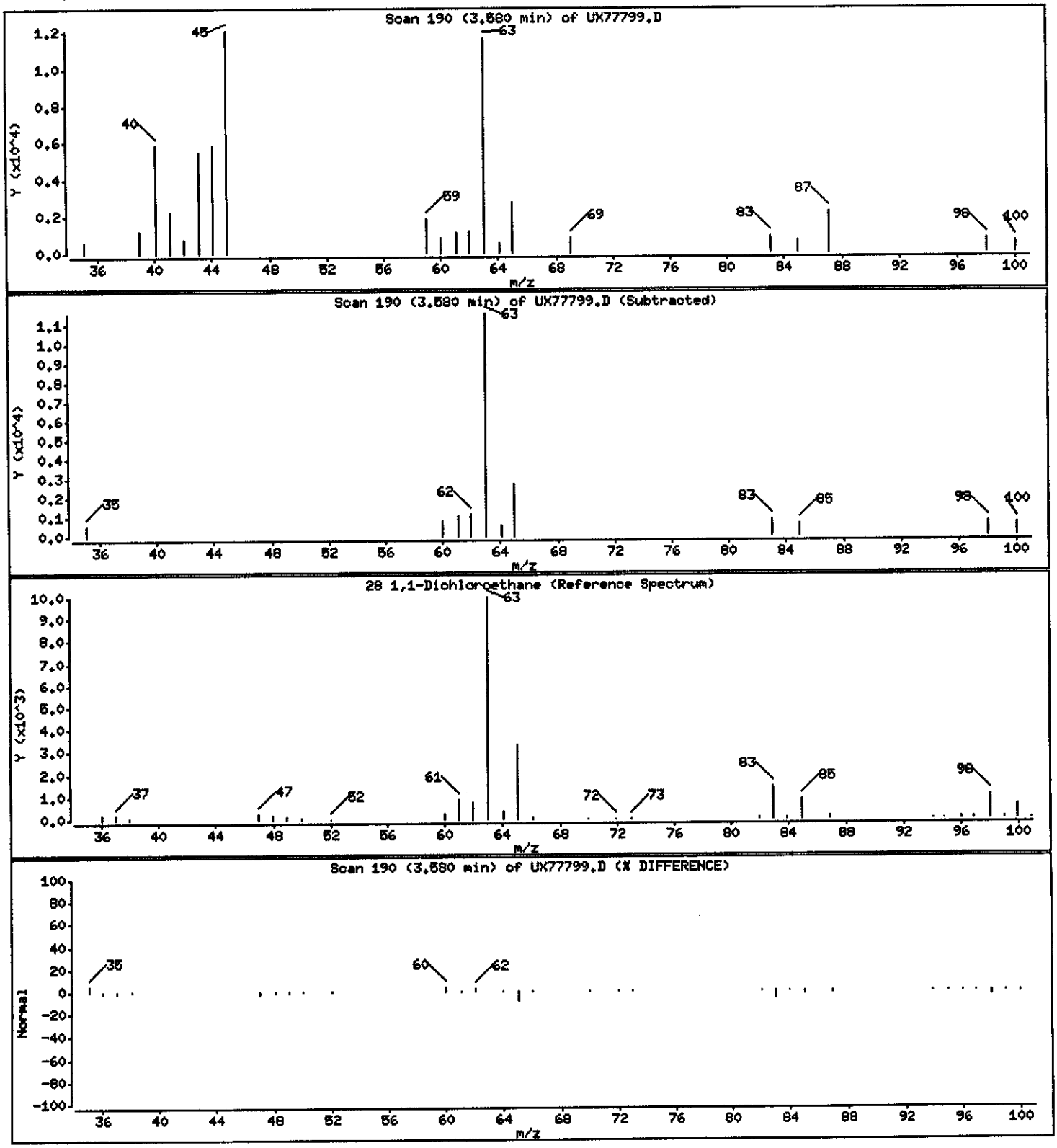
Client ID: MW510A/070904 Instrument: a3ux7.i

Sample Info: GKVP61AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 0.4877 ug/L



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Date : 19-JUL-2004 17:33

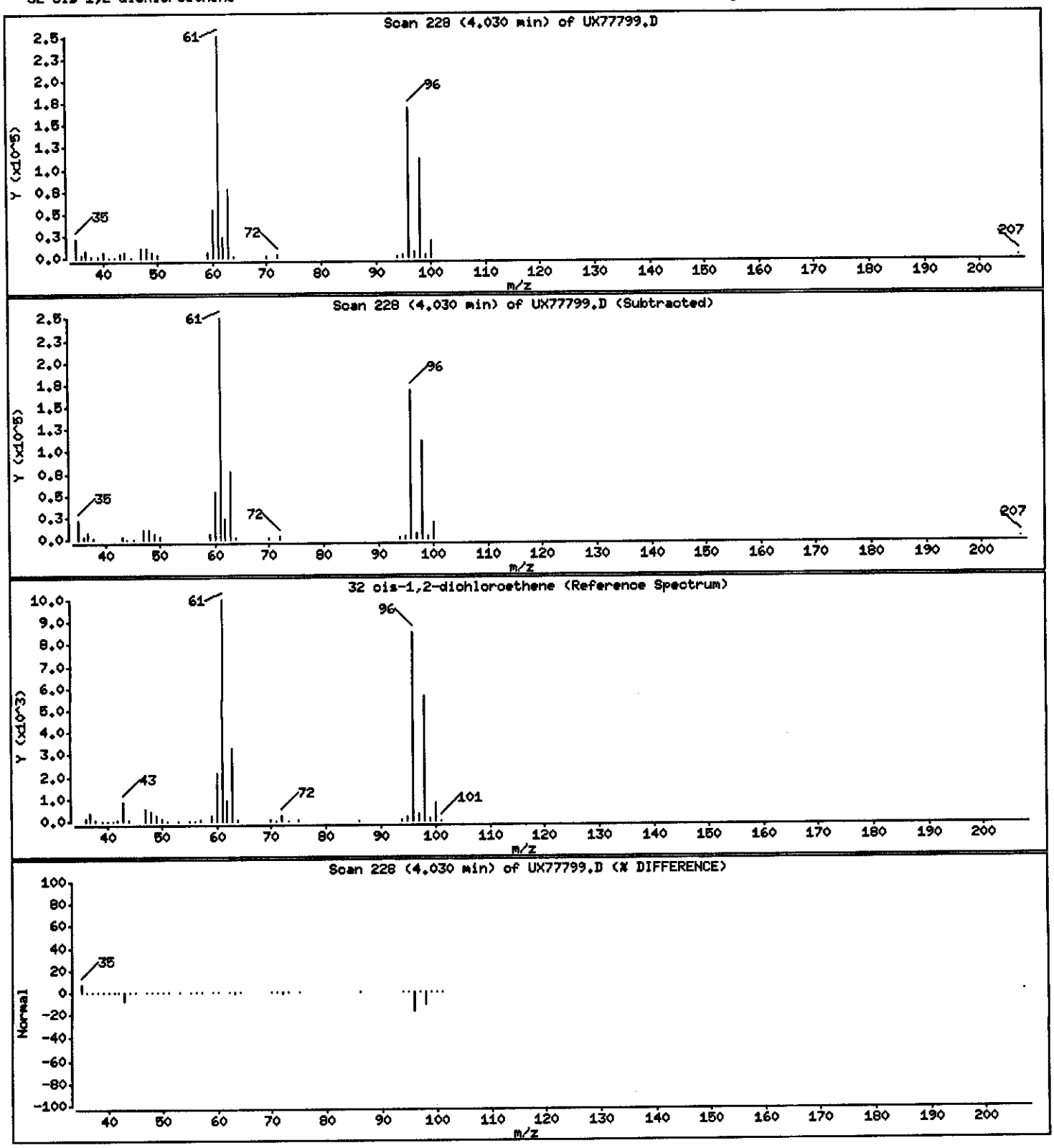
Client ID: MW510A/070904 Instrument: a3ux7.i

Sample Info: GKVP61AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 12.167 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77799.D

Date : 19-JUL-2004 17:33

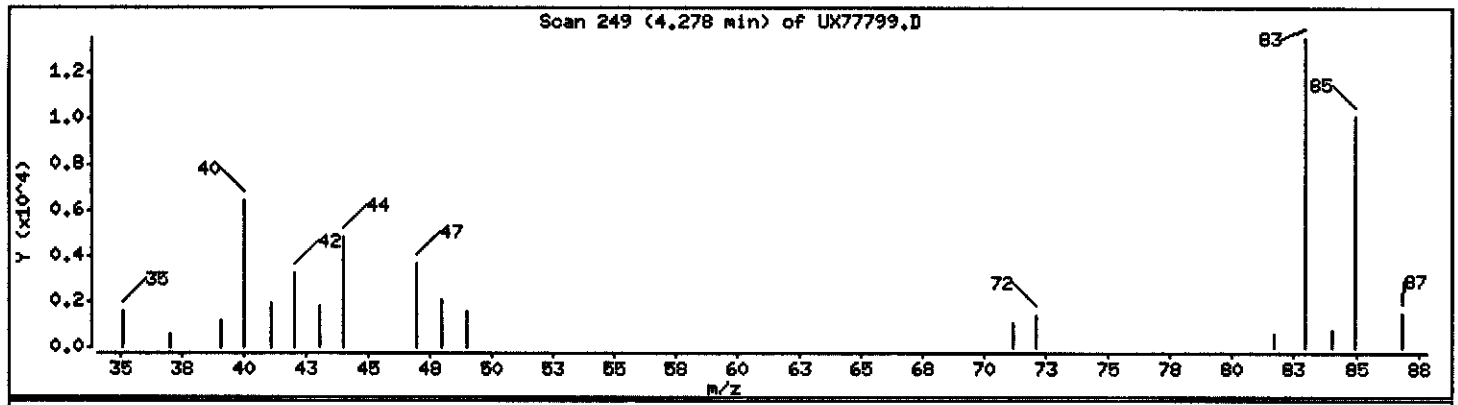
Client ID: MW510A/070904 Instrument: a3ux7.i

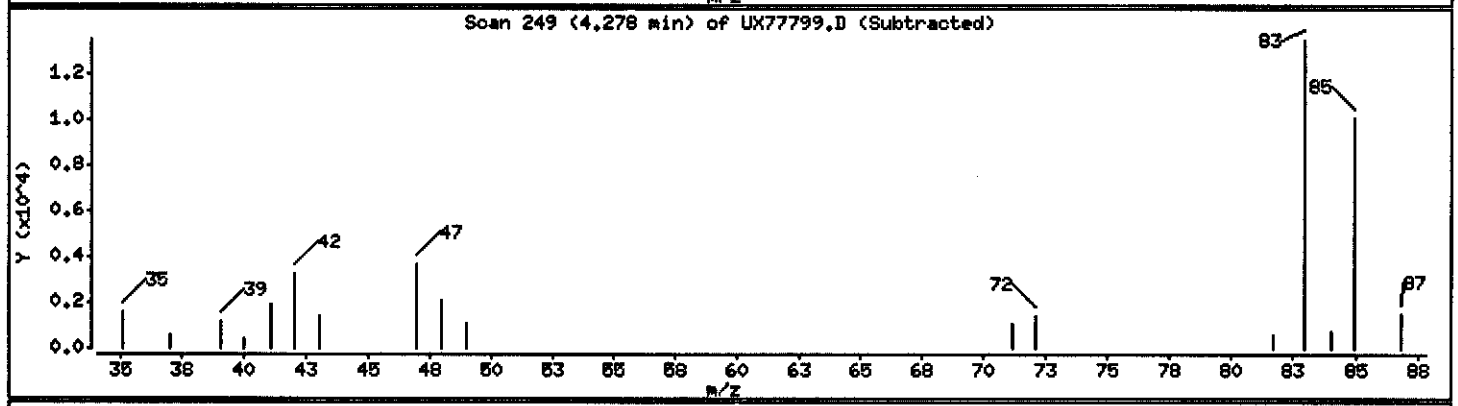
Sample Info: GKVP61AA,5ML/5ML

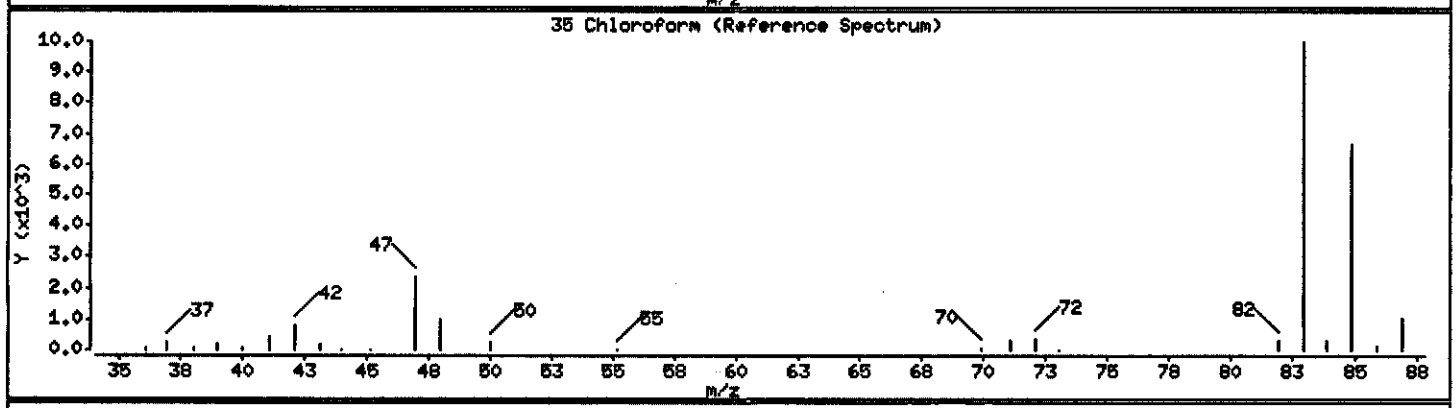
Purge Volume: 5.0 Operator: 1754

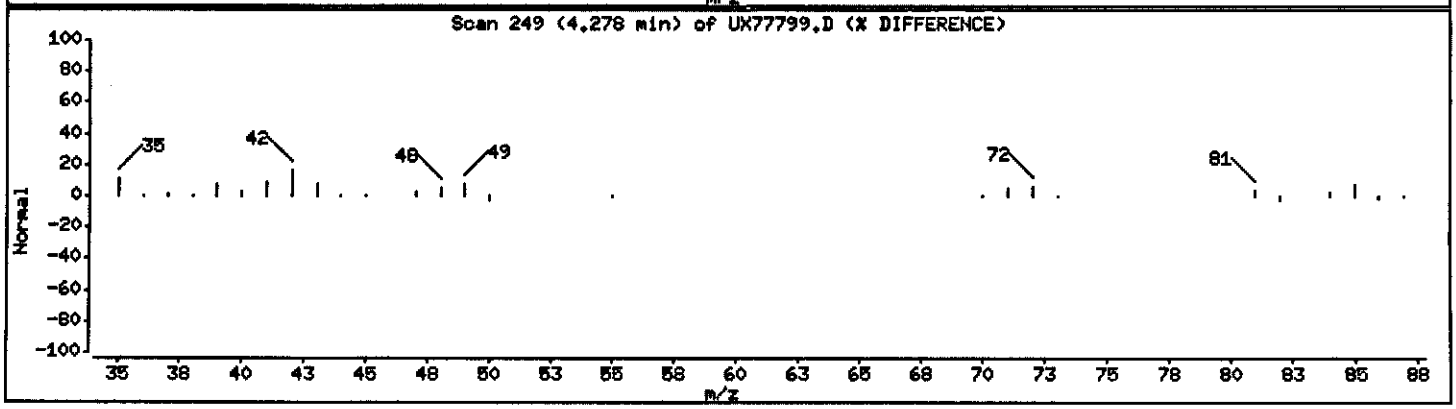
Column phase: DB624 20m Column diameter: 0.18

35 Chloroform Concentration: 0.5643 ug/L









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Date : 19-JUL-2004 17:33

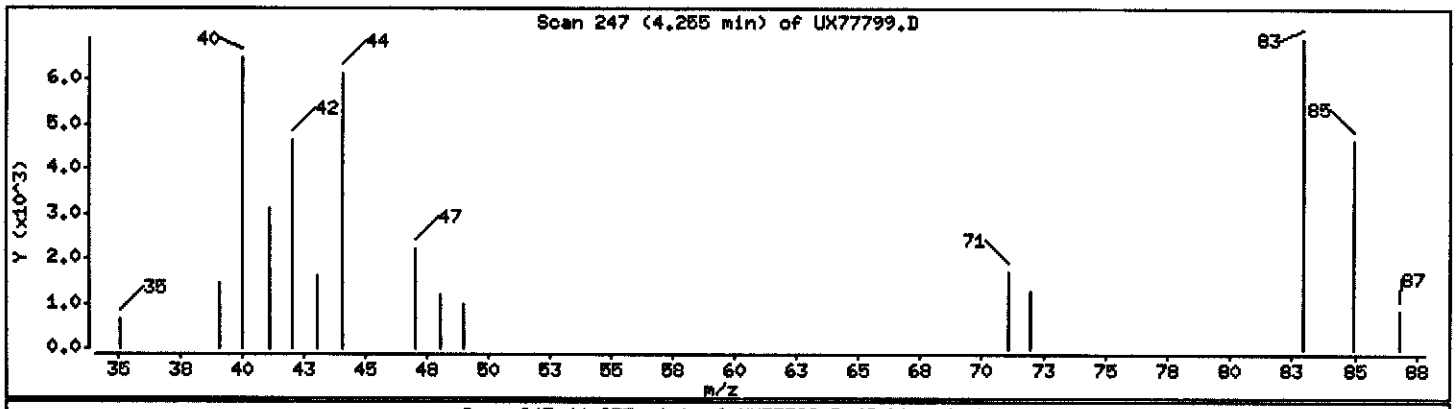
Client ID: MW510A/070904 Instrument: a3ux7.i

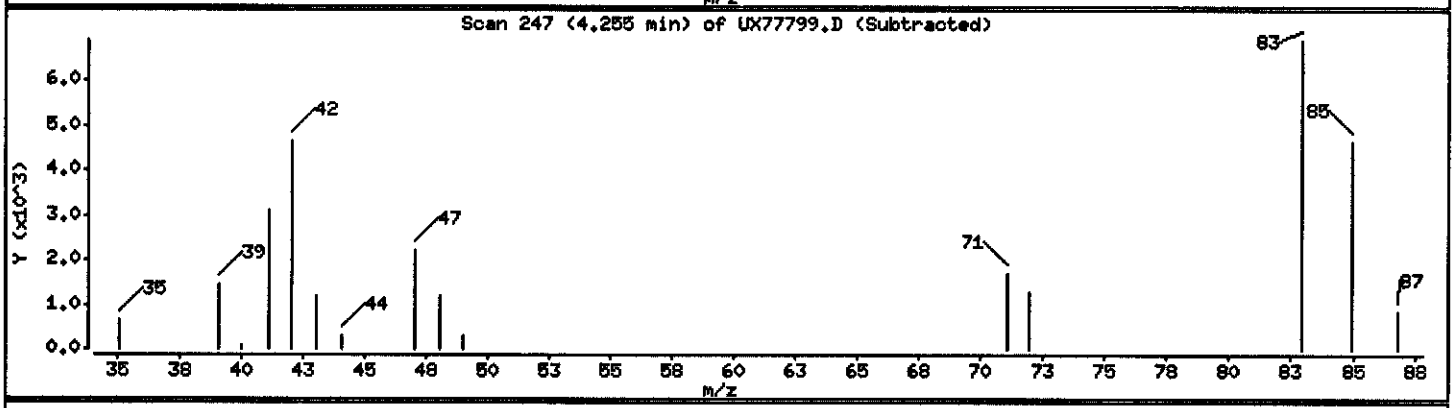
Sample Info: GKVP61AA,5ML/5ML

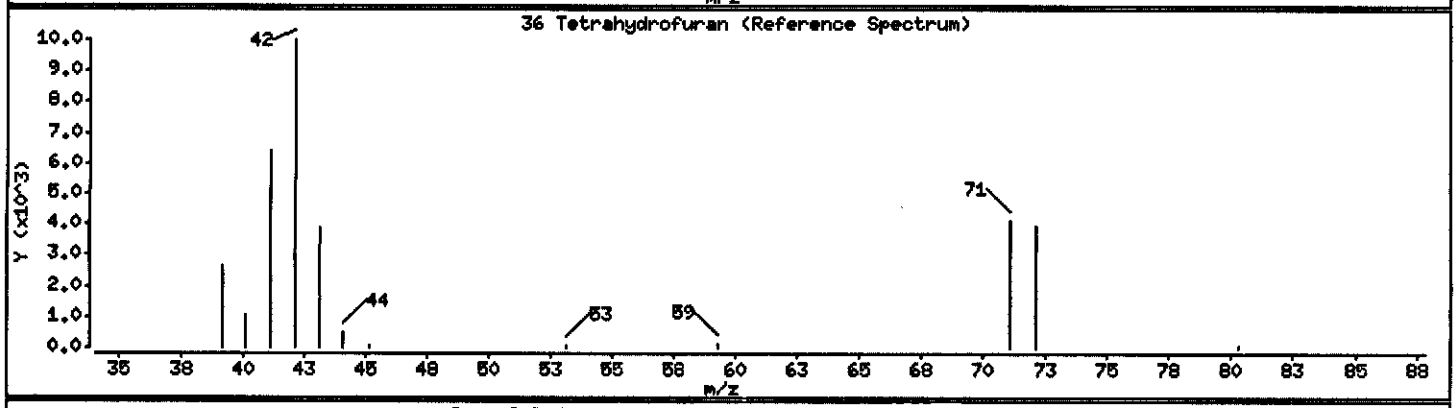
Purge Volume: 5.0 Operator: 1754

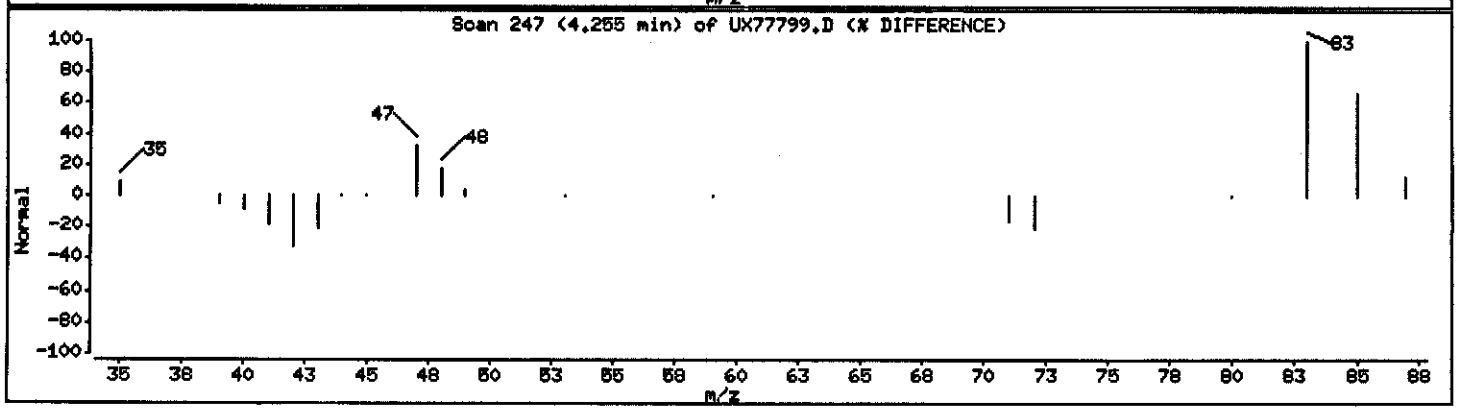
Column phase: DB624 20m Column diameter: 0.18

36 Tetrahydrofuran Concentration: 1.032 ug/L









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Date : 19-JUL-2004 17:33

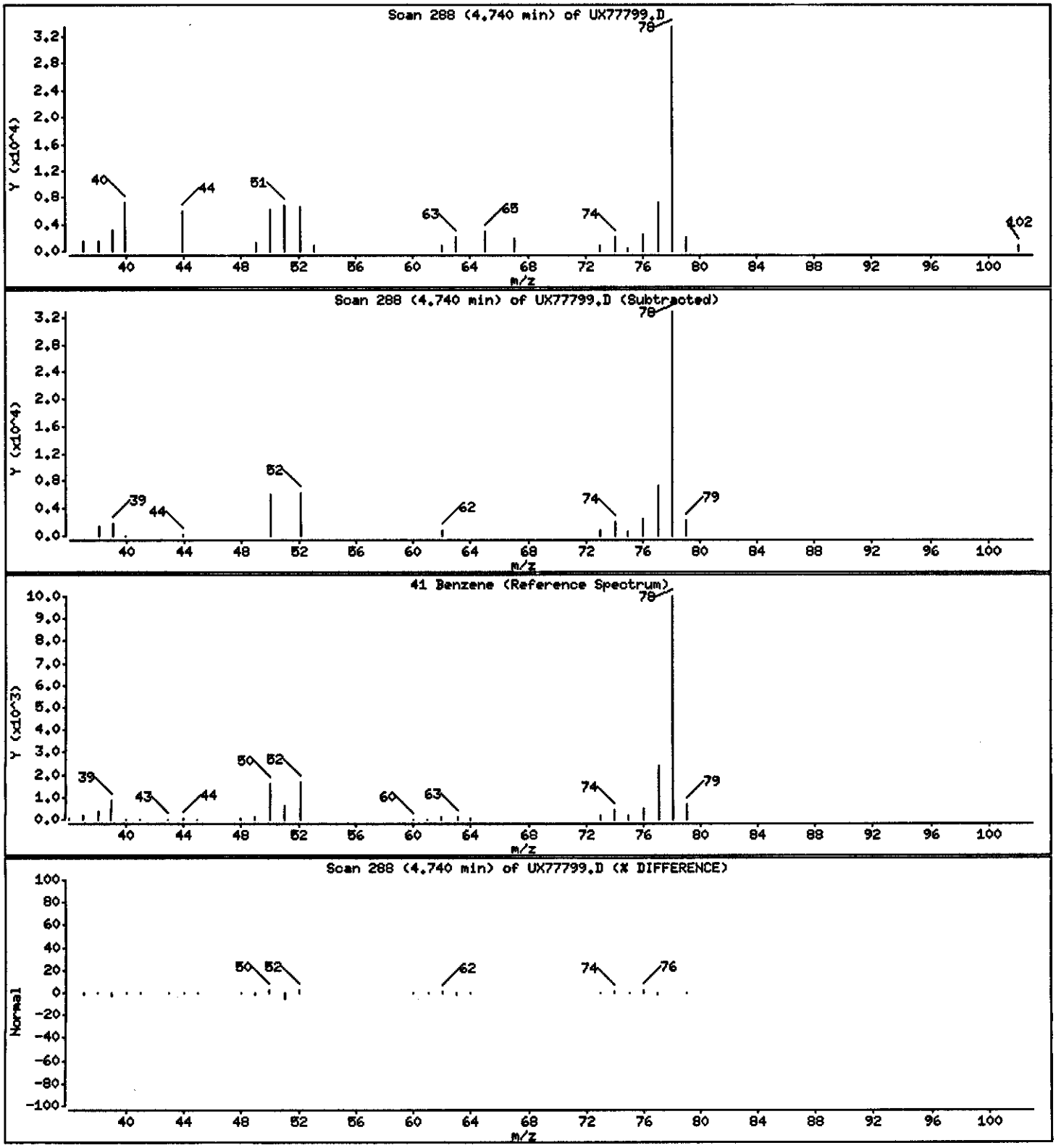
Client ID: MW510A/070904 Instrument: a3ux7.i

Sample Info: GKVP61AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

41 Benzene Concentration: 0.5987 ug/L



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Date : 19-JUL-2004 17:33

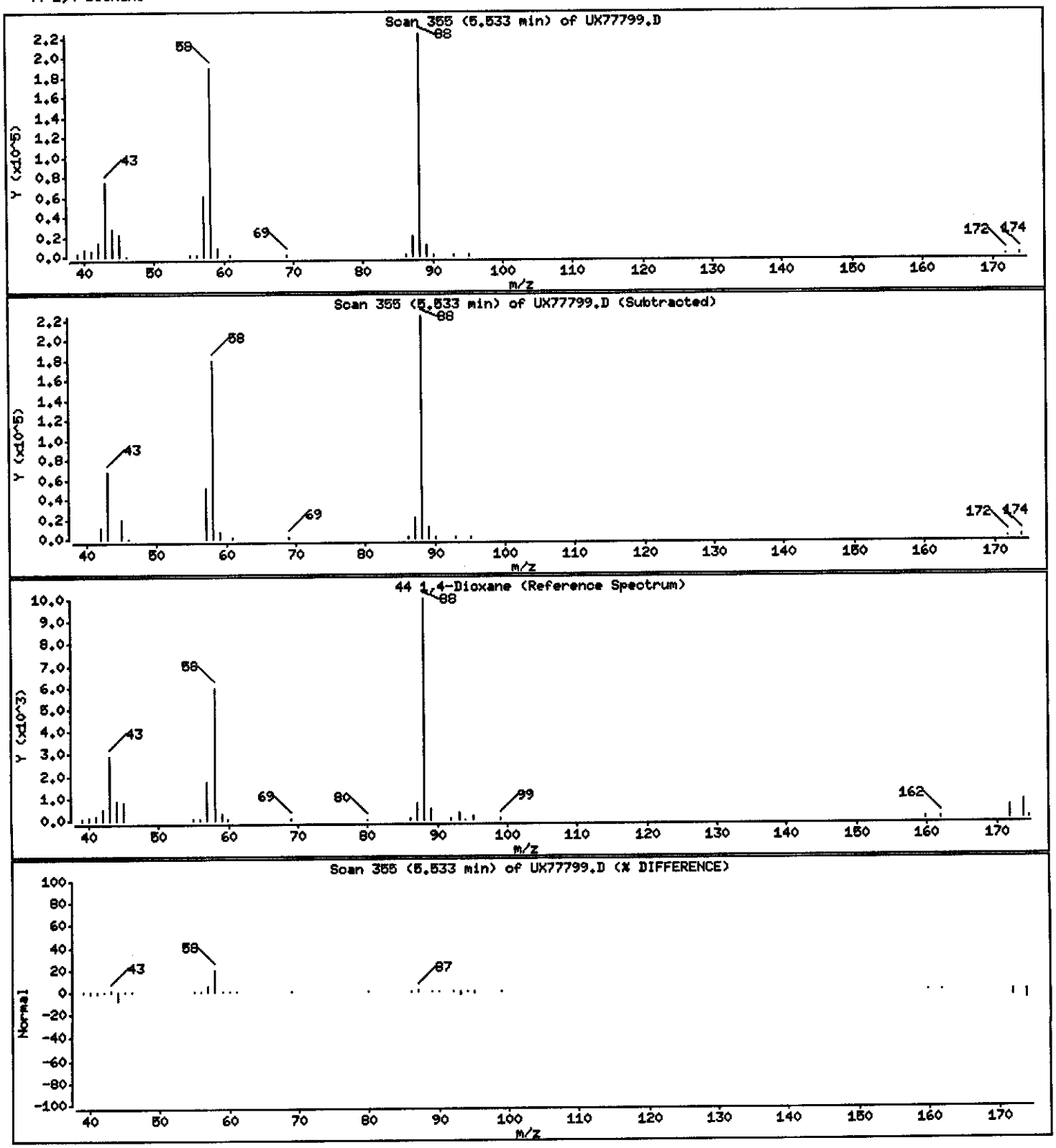
Client ID: MW510A/070904 Instrument: a3ux7.i

Sample Info: GKVP61AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 1745.1 ug/L



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Date : 19-JUL-2004 17:33

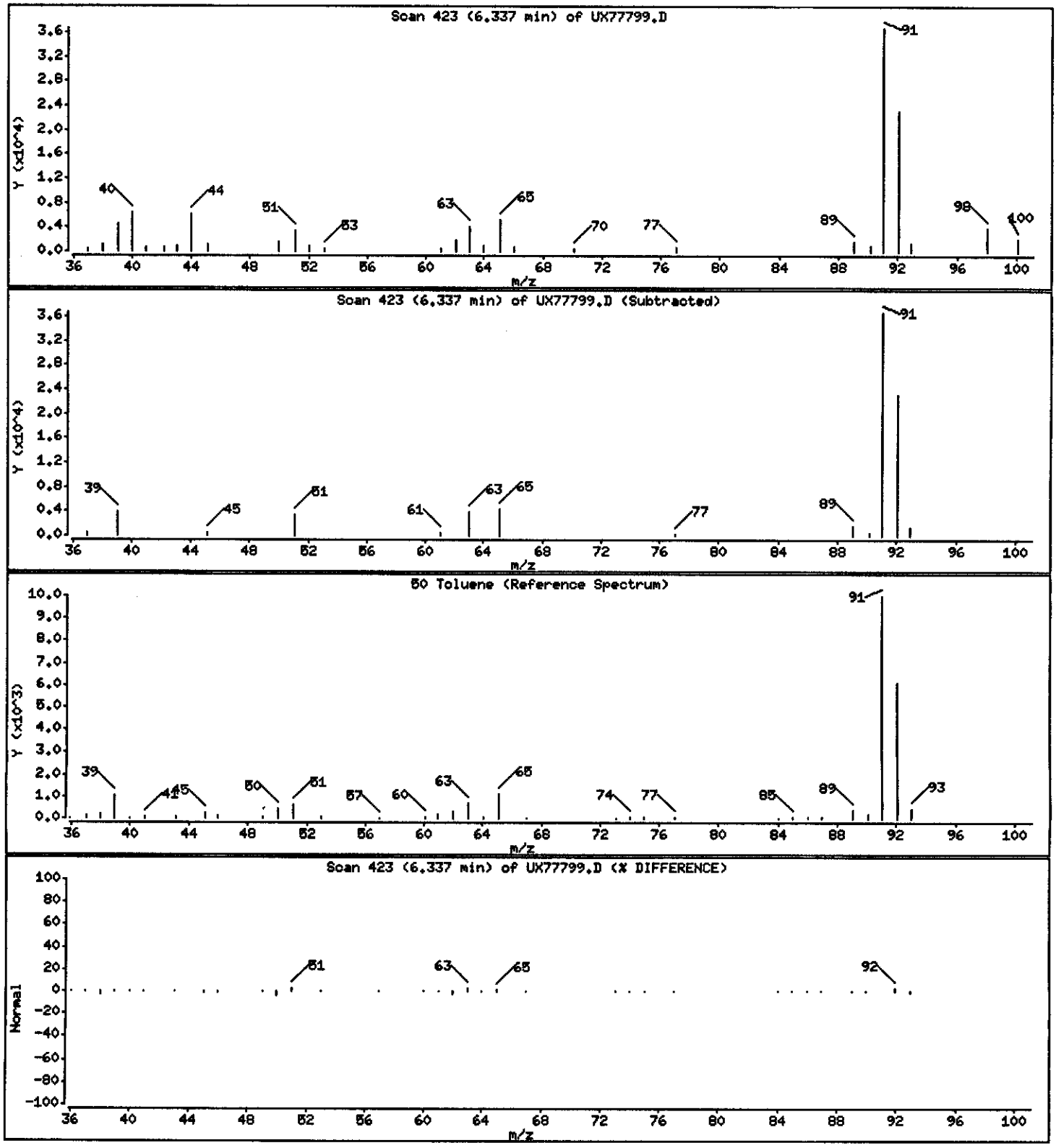
Client ID: MW510A/070904 Instrument: a3ux7.i

Sample Info: GKVP61AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

50 Toluene Concentration: 0.4782 ug/L



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Date : 19-JUL-2004 17:33

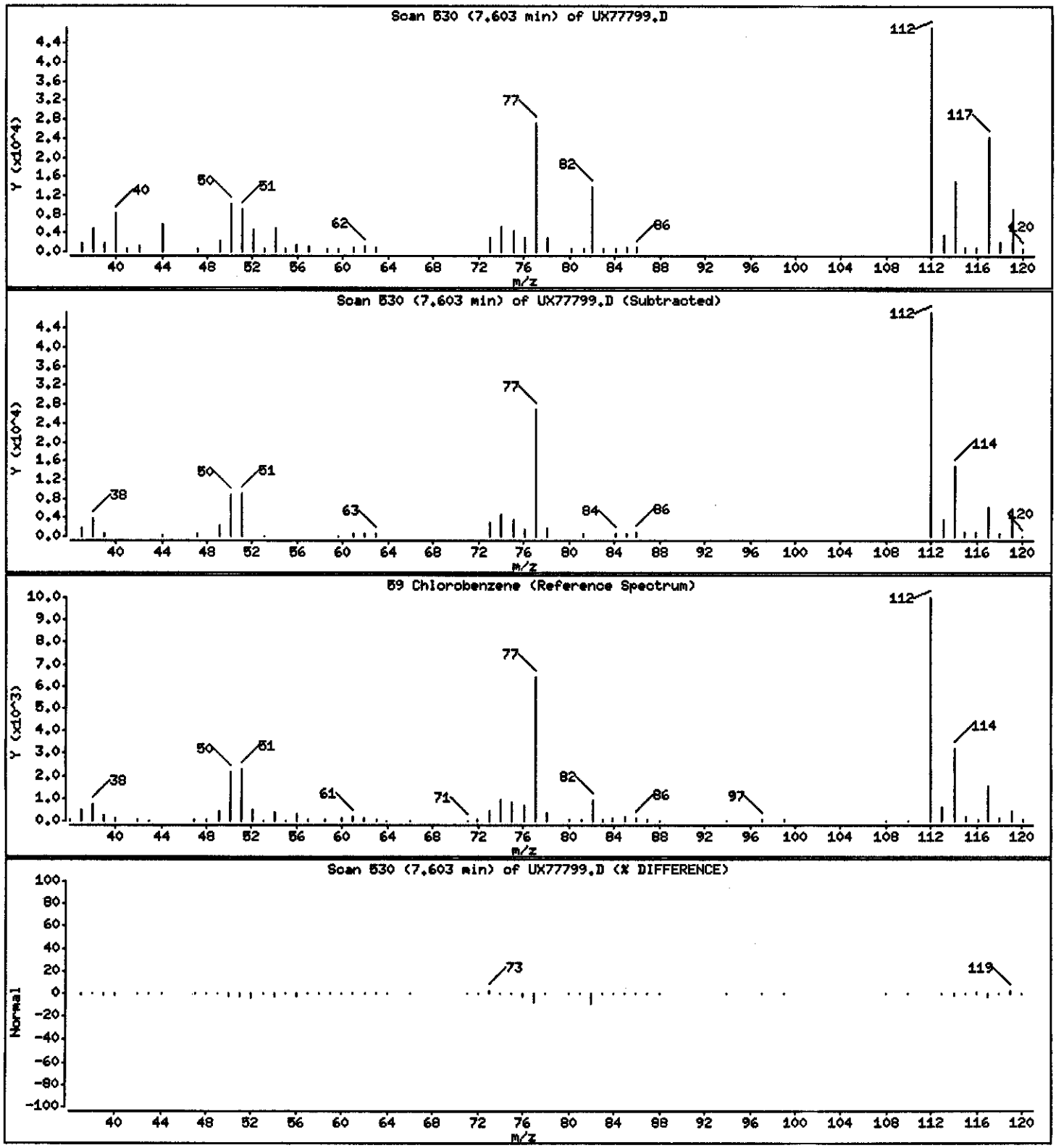
Client ID: MW510A/070904 Instrument: a3ux7.i

Sample Info: GKVP61AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

59 Chlorobenzene Concentration: 1.035 ug/L



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Date : 19-JUL-2004 17:33

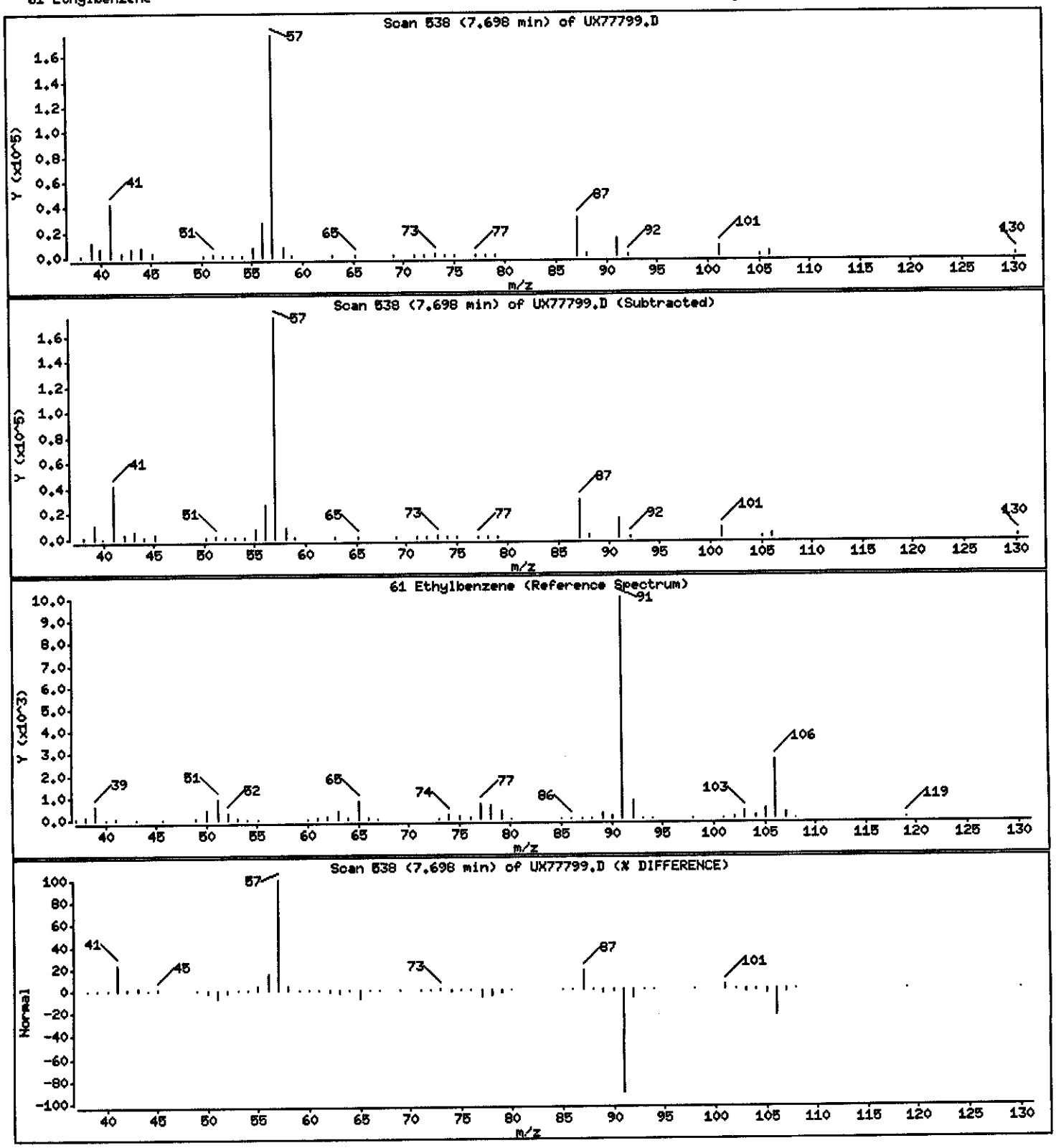
Client ID: MW510A/070904 Instrument: a3ux7.i

Sample Info: GKVP61AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

61 Ethylbenzene Concentration: 0.1514 ug/L



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Date : 19-JUL-2004 17:33

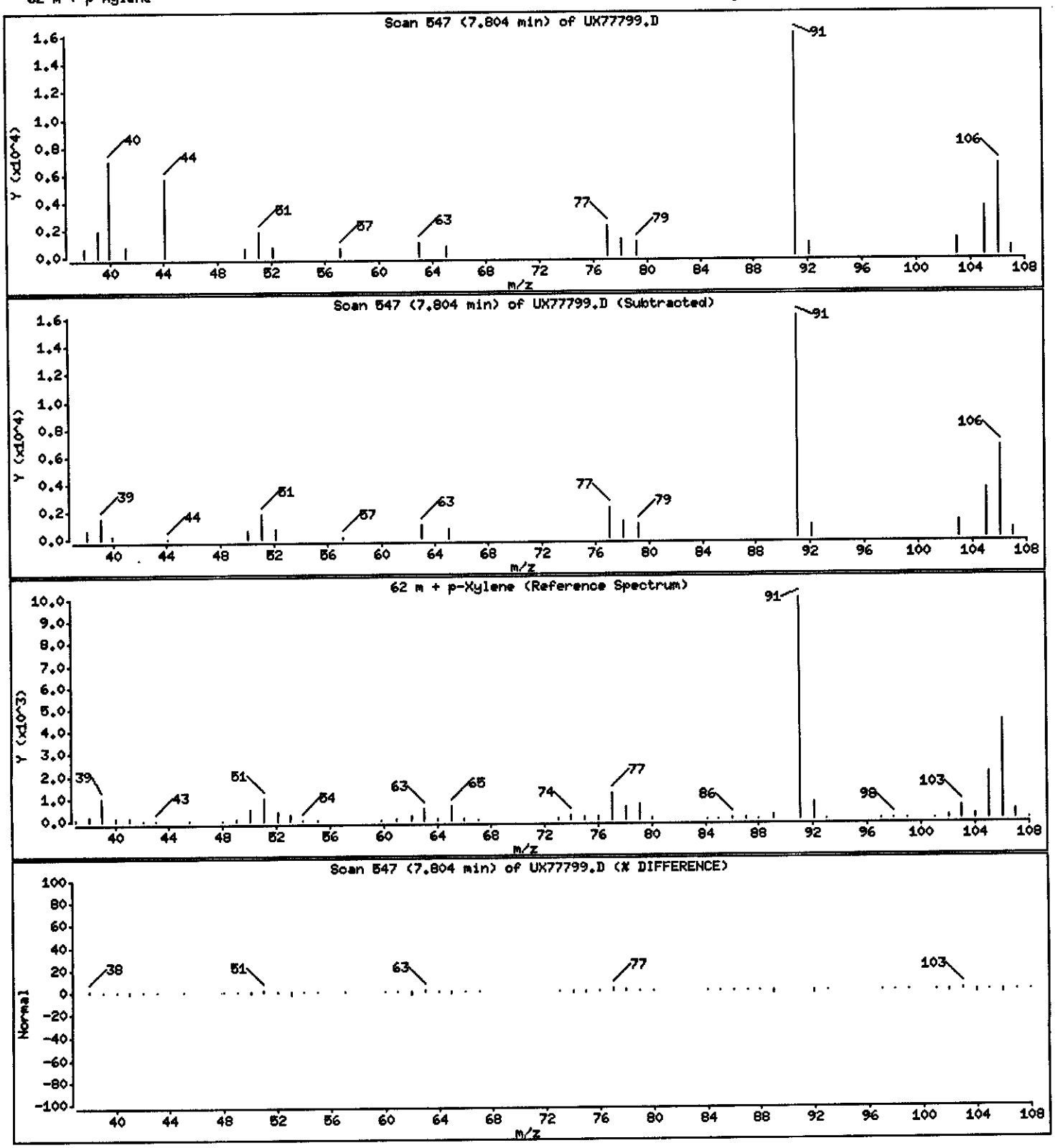
Client ID: MW510A/070904 Instrument: a3ux7.i

Sample Info: GKVP61AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

62 m + p-Xylene Concentration: 0.2388 ug/L



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Date : 19-JUL-2004 17:33

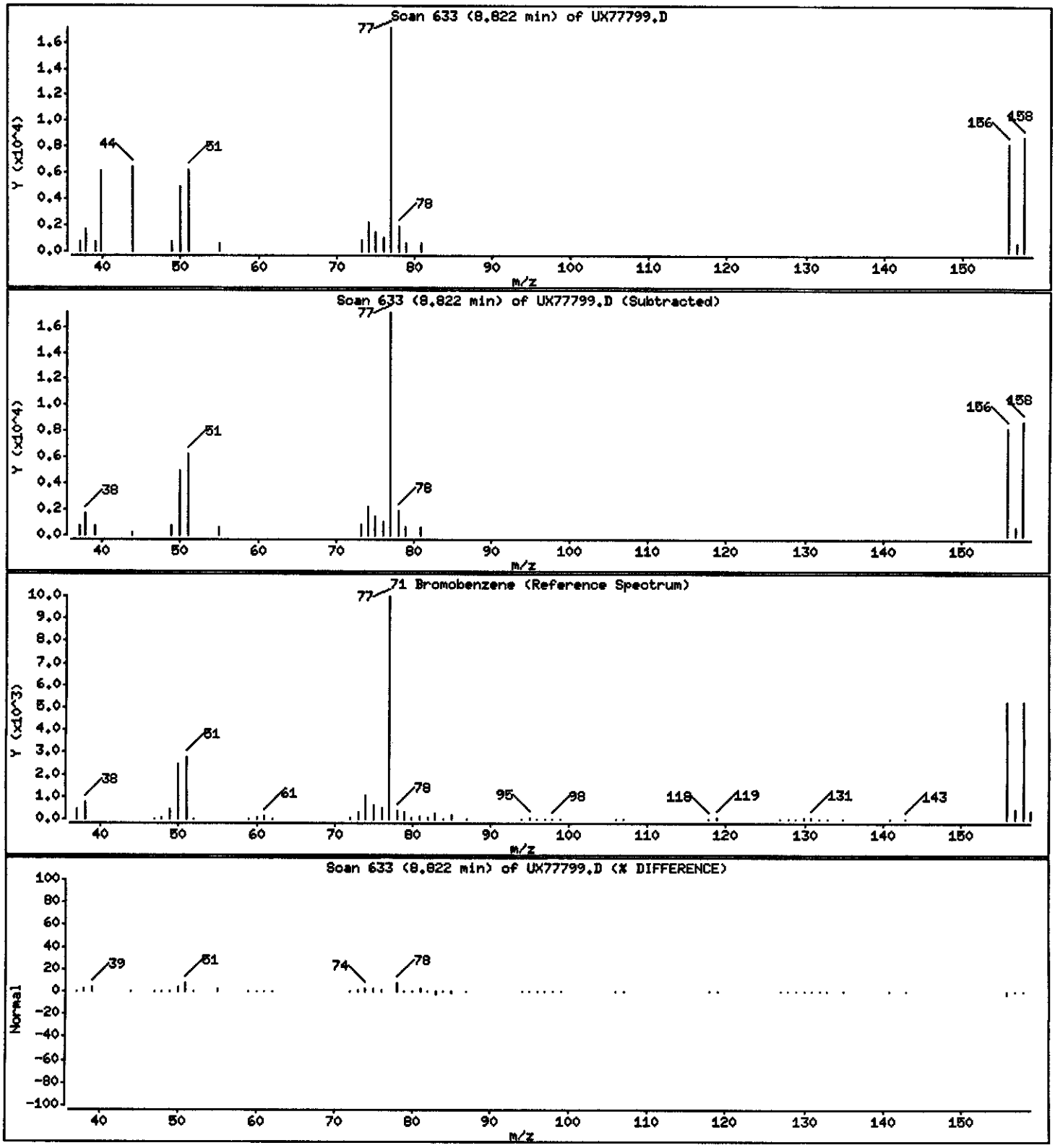
Client ID: MW510A/070904 Instrument: a3ux7.i

Sample Info: GKVP61AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

71 Bromobenzene Concentration: 0.5232 ug/L



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Date : 19-JUL-2004 17:33

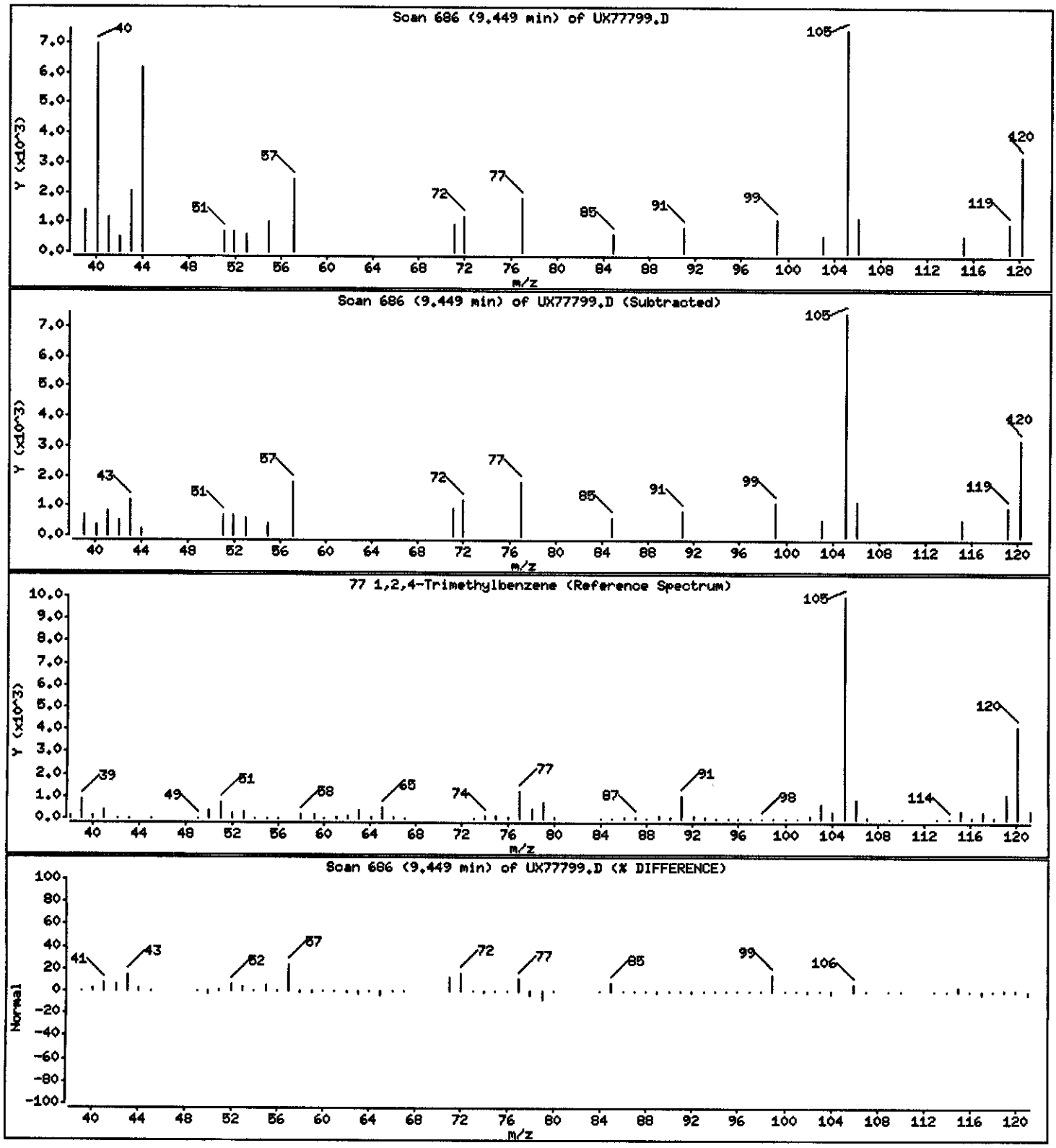
Client ID: MW510A/070904 Instrument: a3ux7.i

Sample Info: GKVP61AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

77 1,2,4-Trimethylbenzene Concentration: 0.1299 ug/L



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Date : 19-JUL-2004 17:33

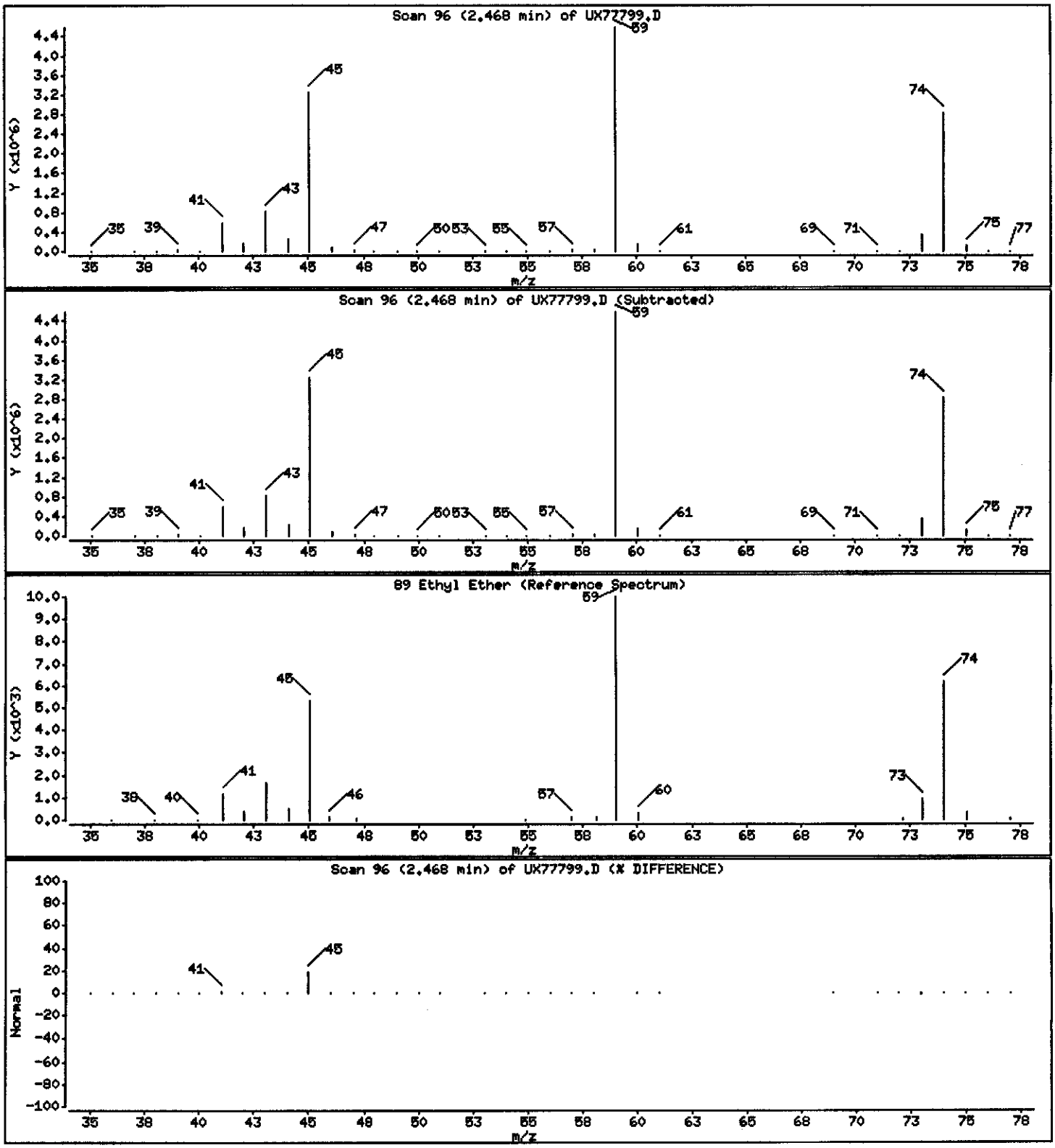
Client ID: MW510A/070904 Instrument: a3ux7.i

Sample Info: GKVP61AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

89 Ethyl Ether Concentration: 491.66 ug/L



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Date : 19-JUL-2004 17:33

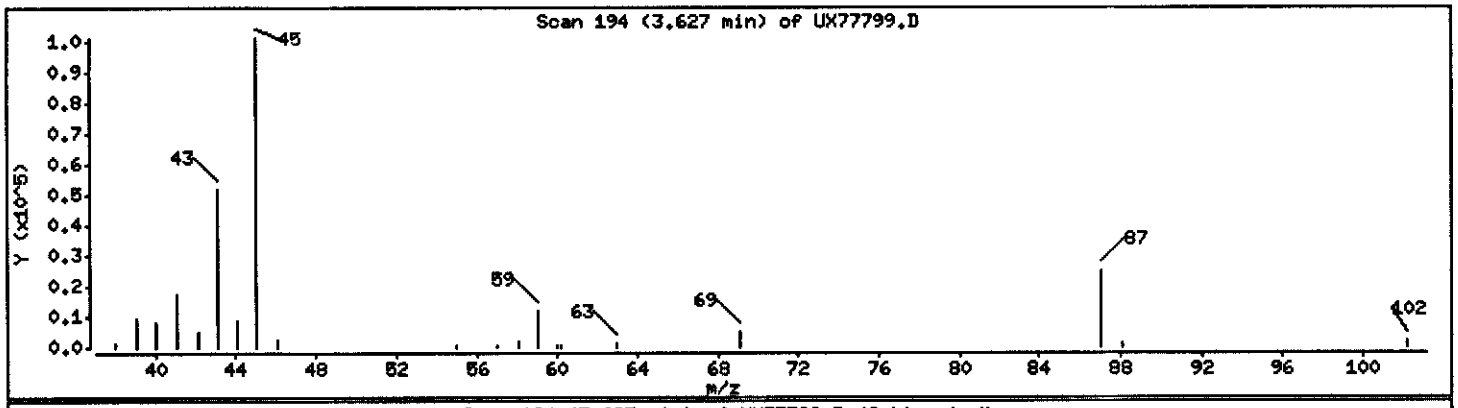
Client ID: MW510A/070904 Instrument: a3ux7.i

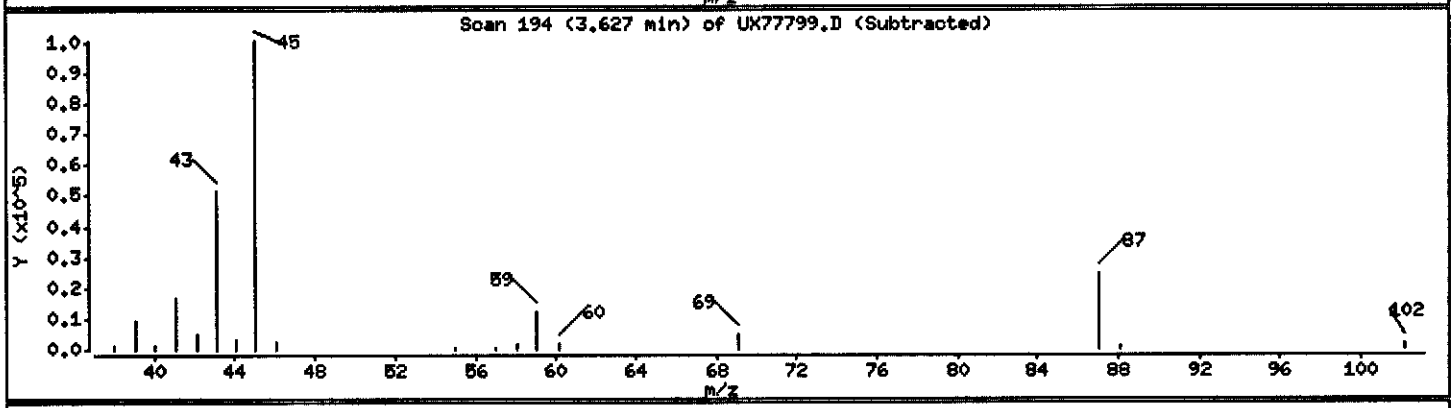
Sample Info: GKVP61AA,5ML/5ML

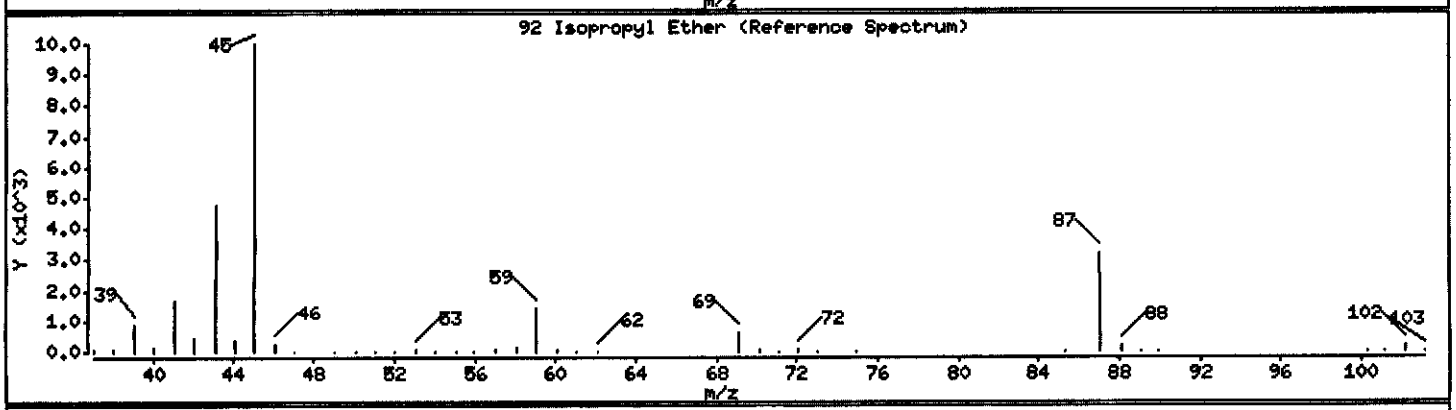
Purge Volume: 5.0 Operator: 1754

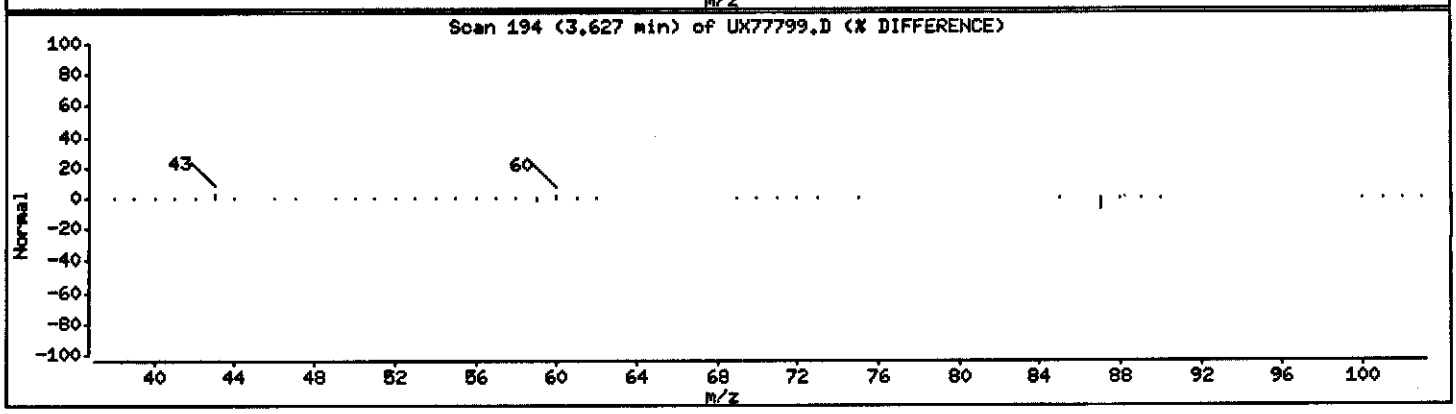
Column phase: DB624 20m Column diameter: 0.18

92 Isopropyl Ether Concentration: 2.765 ug/L









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Date : 19-JUL-2004 17:33

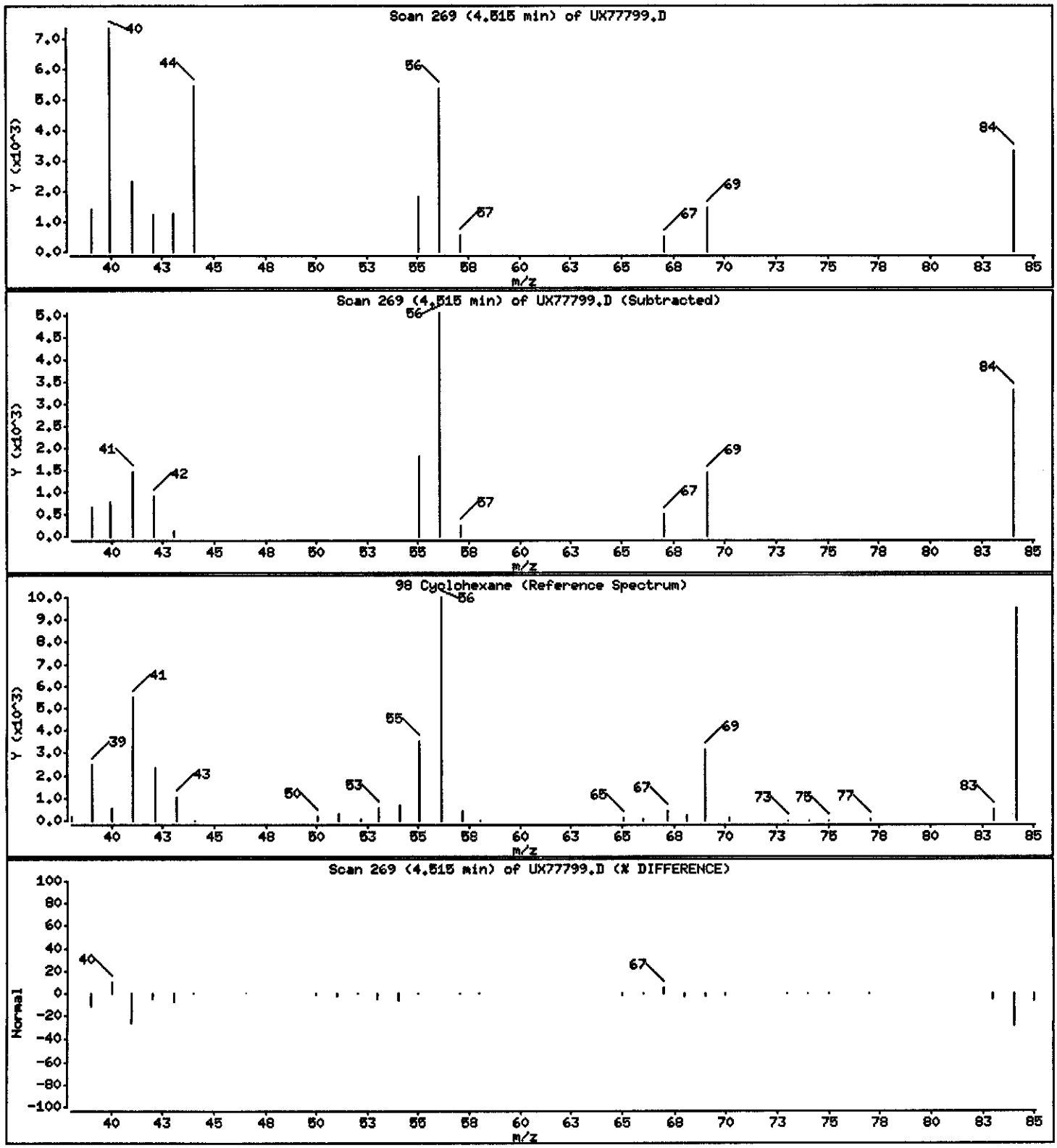
Client ID: MW510A/070904 Instrument: a3ux7.i

Sample Info: GKVP61AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

98 Cyclohexane Concentration: 0.3184 ug/L



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Date : 19-JUL-2004 17:33

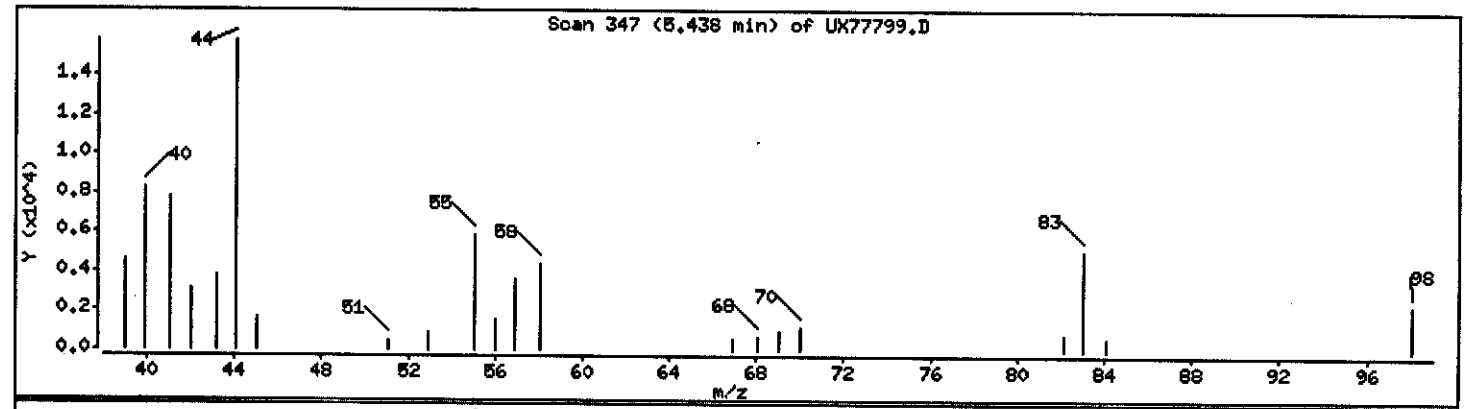
Client ID: MW510A/070904 Instrument: a3ux7.i

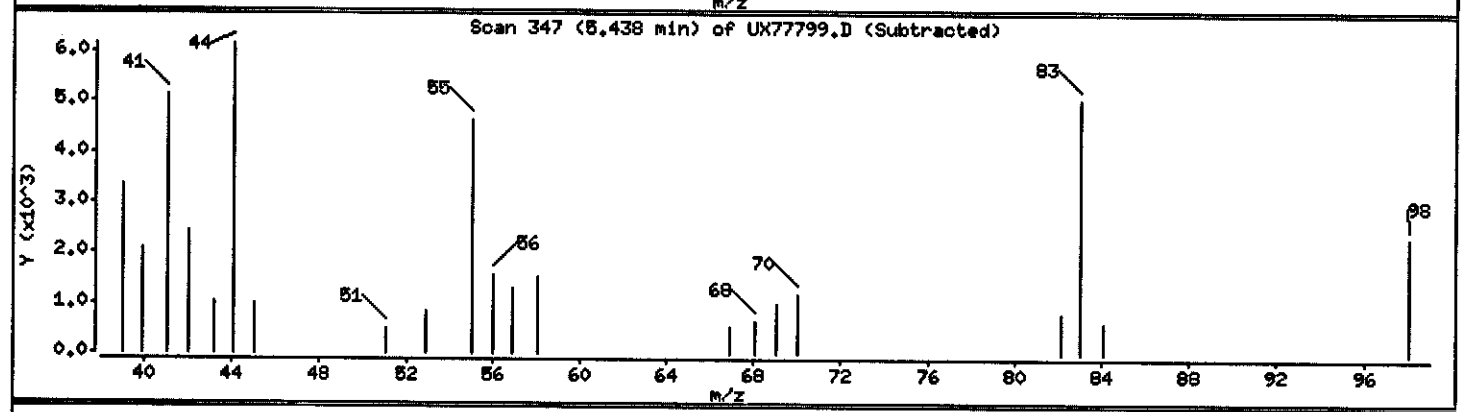
Sample Info: GKVP61AA,5ML/5ML

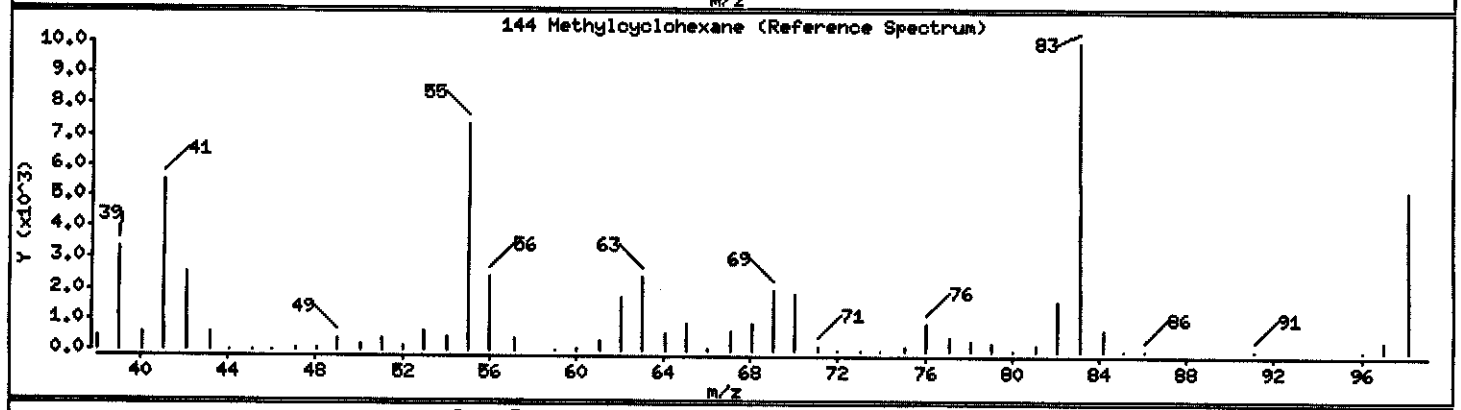
Purge Volume: 5.0 Operator: 1754

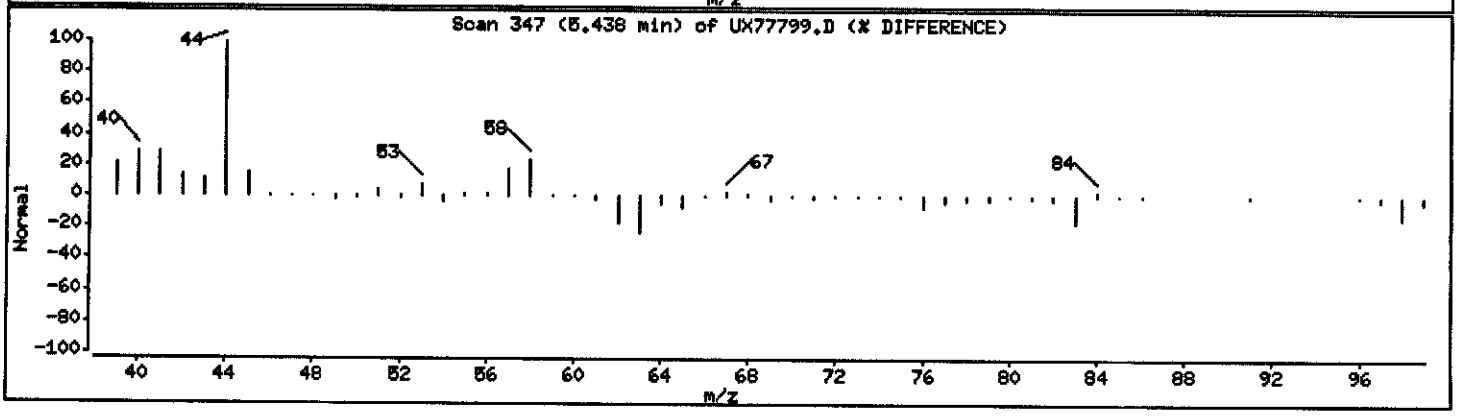
Column phase: DB624 20m Column diameter: 0.18

144 Methylcyclohexane Concentration: 0.2996 ug/L









PAYNE FIRM INC.

Client Sample ID: MW510B/070904

GC/MS Volatiles

Lot-Sample #...: A4G100202-010 **Work Order #...:** GKVP91AA **Matrix.....:** WG
Date Sampled...: 07/09/04 09:45 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202119
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.6 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	**0.45 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	**0.37 J**	**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	**0.21 J**	**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	**140**	**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: MW510B/070904

GC/MS Volatiles

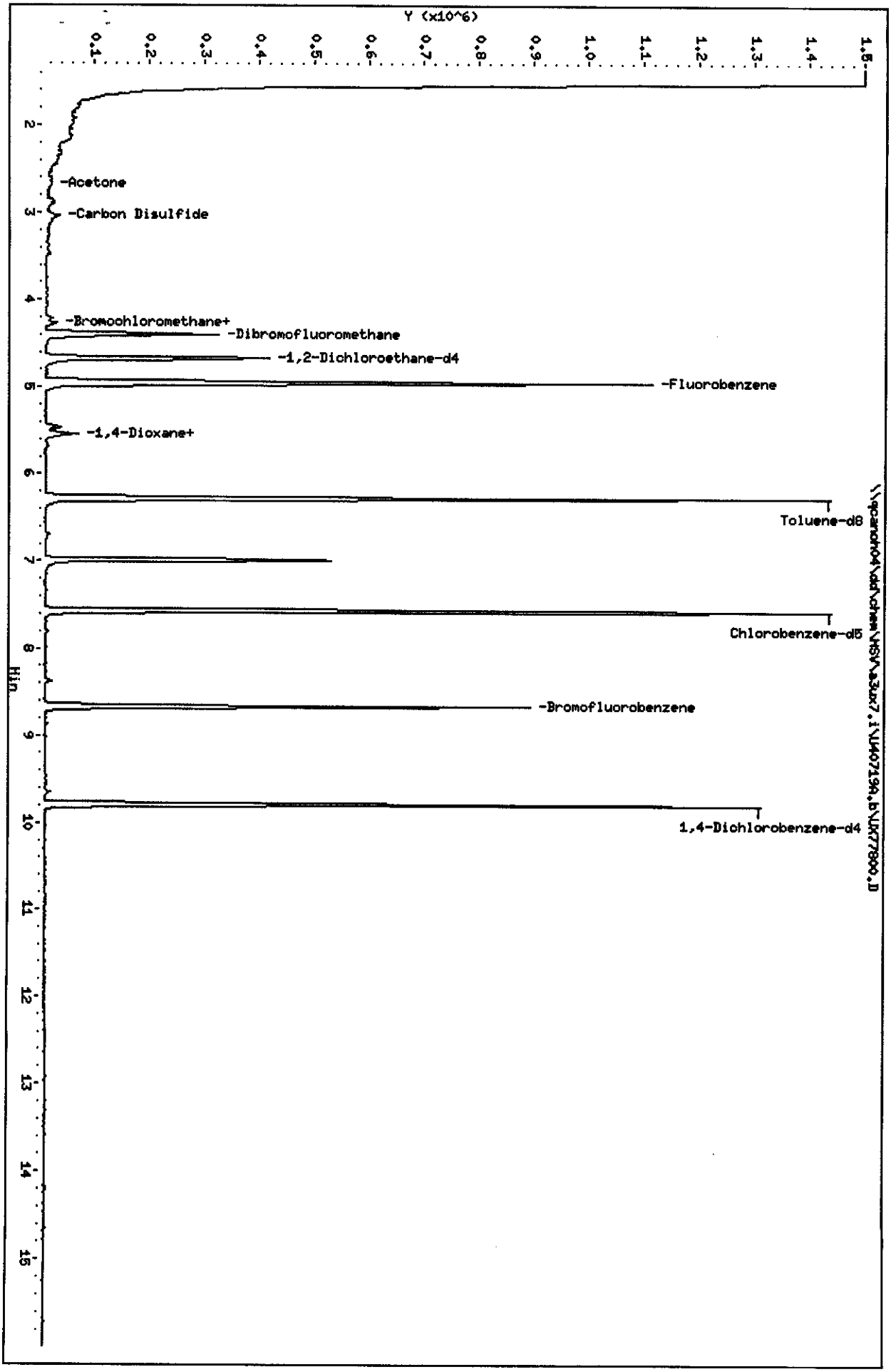
Lot-Sample #...: A4G100202-010 **Work Order #...:** GKVP91AA **Matrix.....:** WG

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
Toluene-d8	89	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.


Data File: \\qcandh04\dd\chem\MSV\a3ux7.i\U407194.b\UX77800.D
Date : 19-JUL-2004 17:56
Client ID: MW510B/070904
Sample Info: GKVP9100,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Acetone
-Carbon Disulfide
-Bromochloromethane+
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-1,4-Dioxane+
Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77800.D
Report Date: 20-Jul-2004 09:19

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77800.D
Lab Smp Id: GKVP91AA Client Smp ID: MW510B/070904
Inj Date : 19-JUL-2004 17:56
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GKVP91AA,5ML/5ML
Misc Info : U40719A,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 09:00 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 26
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	4.954	4.940	(1.000)	1224165	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.567	(1.000)	852376	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.793	9.792	(1.000)	353448	50.0000	
$ 4 Dibromofluoromethane	113	4.398	4.396	(0.888)	246961	45.7442	9.149
$ 5 1,2-Dichloroethane-d4	65	4.670	4.668	(0.943)	370483	45.1544	9.031
$ 6 Toluene-d8	98	6.279	6.278	(0.830)	1031046	44.6736	8.935
$ 7 Bromofluorobenzene	95	8.669	8.668	(1.145)	367841	41.2791	8.256
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	2.682	2.680	(0.541)	26500	7.86215	1.572
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77800.D
Report Date: 20-Jul-2004 09:19

	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	2.871	2.870	(0.580)	46643	2.25816	0.4516
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	4.220	4.219	(0.852)	4187	1.37059	0.2741
	35 Chloroform	83	4.268	4.266	(0.861)	22335	1.86924	0.3738
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.545	5.532	(1.119)	47194	698.427	139.68(A)
	45 Dibromomethane	93	5.534	5.532	(1.117)	4173	1.06777	0.2136
	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\U40719A.b\UX77800.D
Report Date: 20-Jul-2004 09:19

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

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77800.D

Date : 19-JUL-2004 17:56

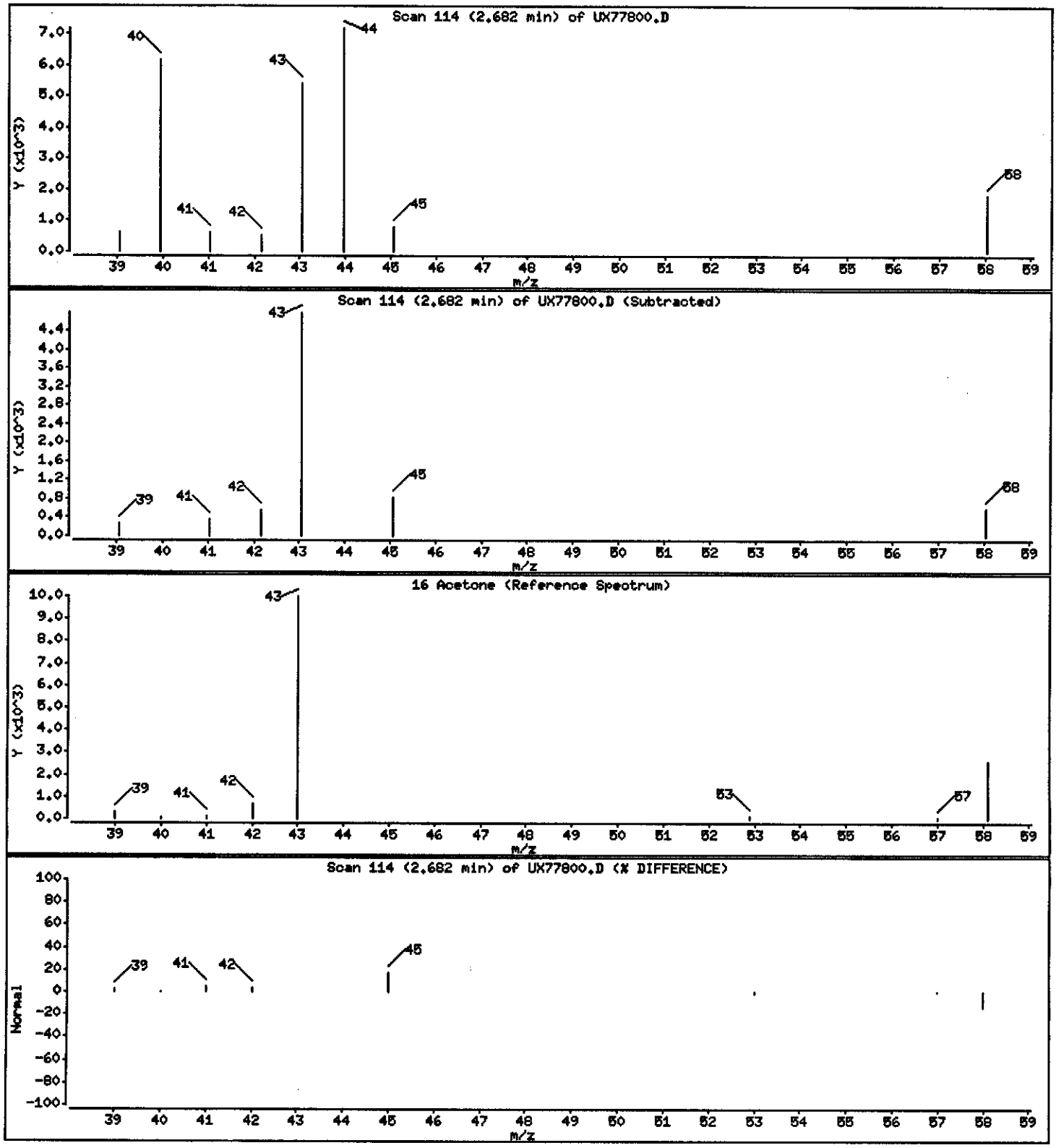
Client ID: MW510B/070904 Instrument: a3ux7.i

Sample Info: GKVP91AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 1.572 ug/L



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Date : 19-JUL-2004 17:56

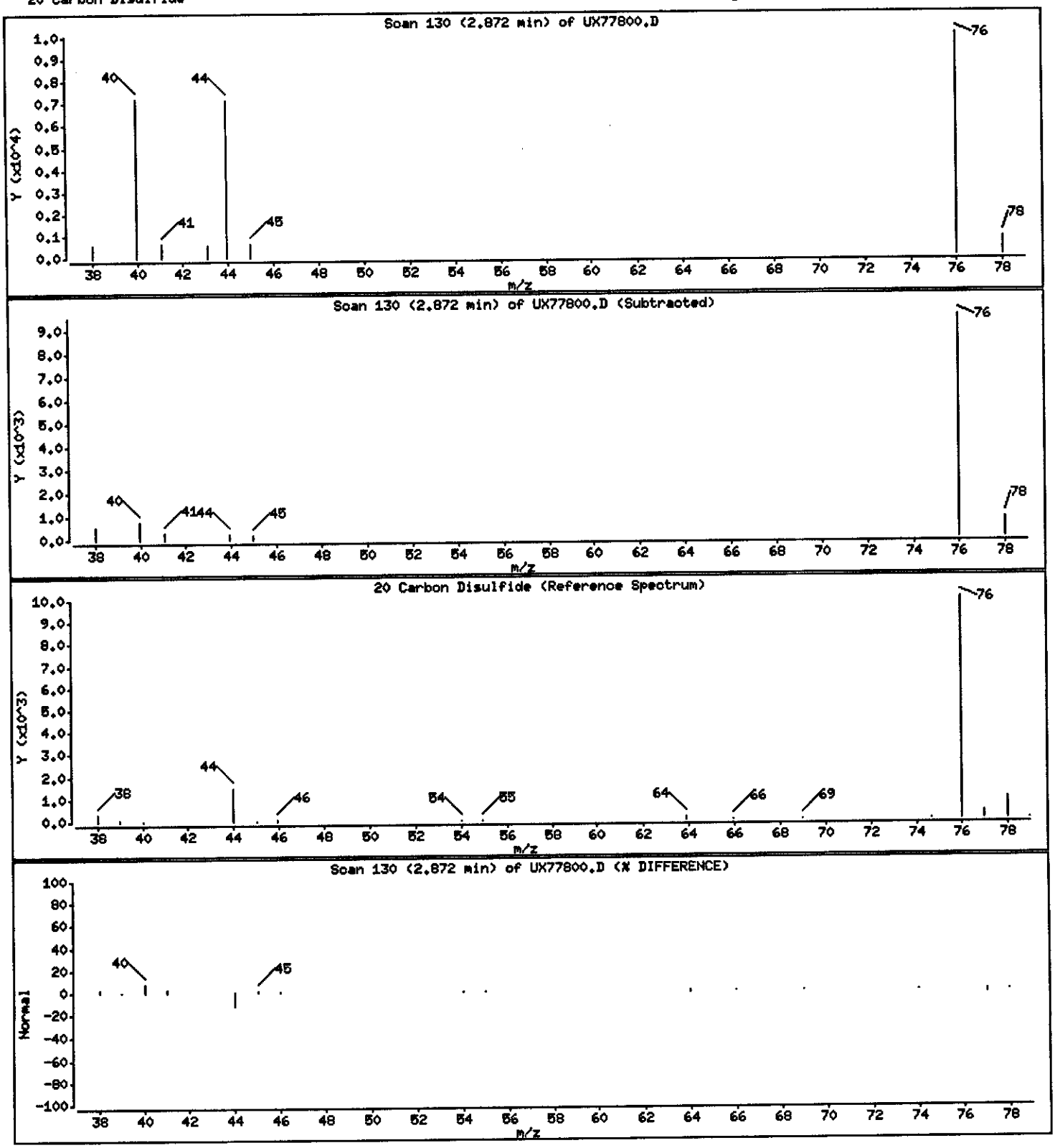
Client ID: MW510B/070904 Instrument: a3ux7.i

Sample Info: GKVP91AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.4516 ug/L



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Date : 19-JUL-2004 17:56

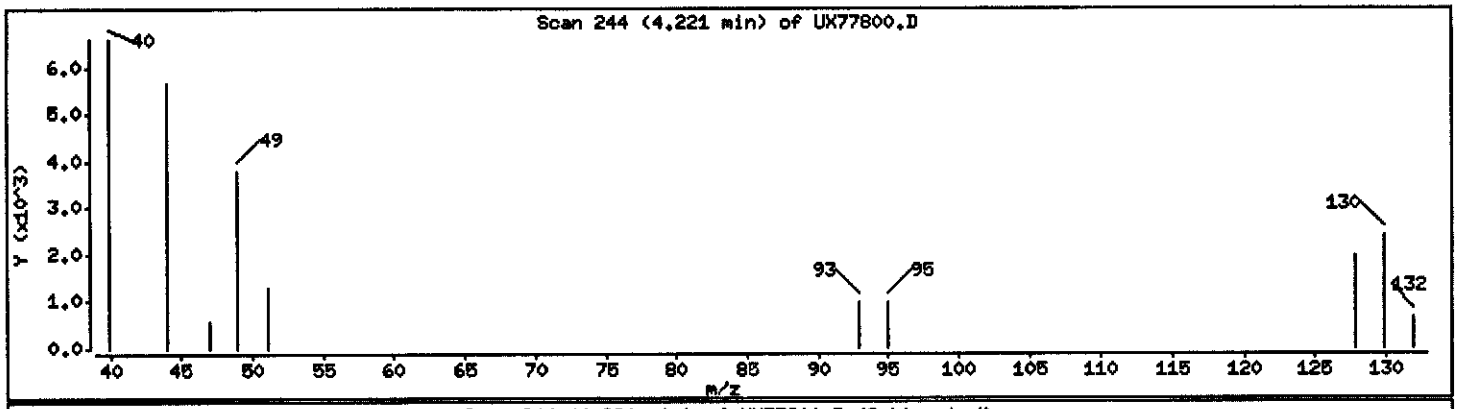
Client ID: MW510B/070904 Instrument: a3ux7.i

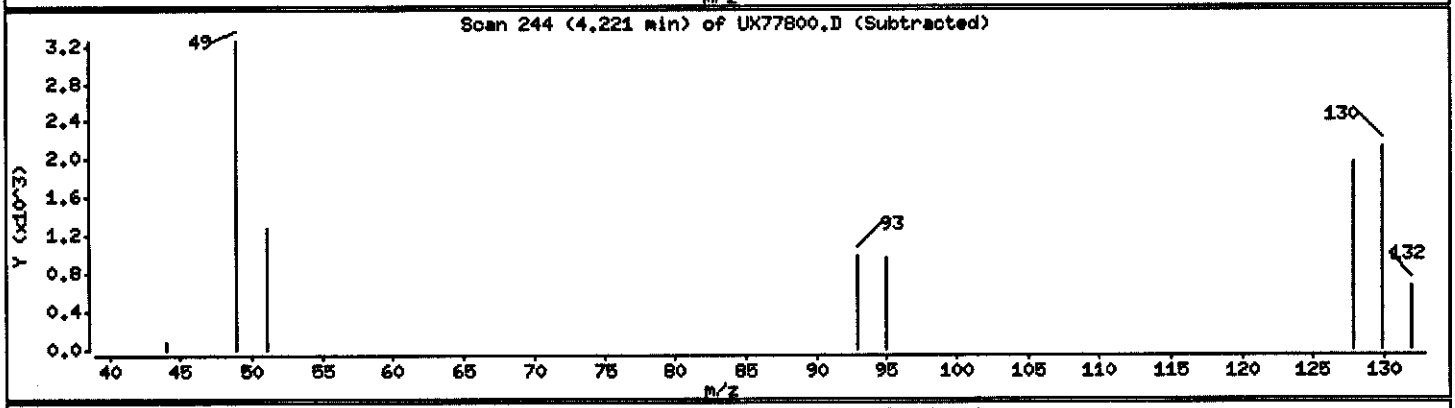
Sample Info: GKVP91AA,5ML/5ML

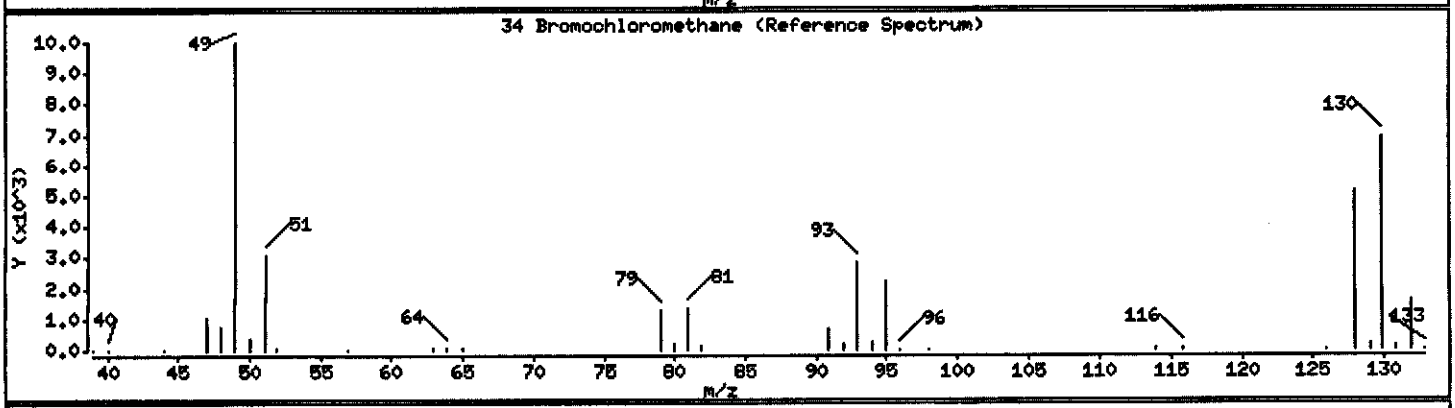
Purge Volume: 5.0 Operator: 1754

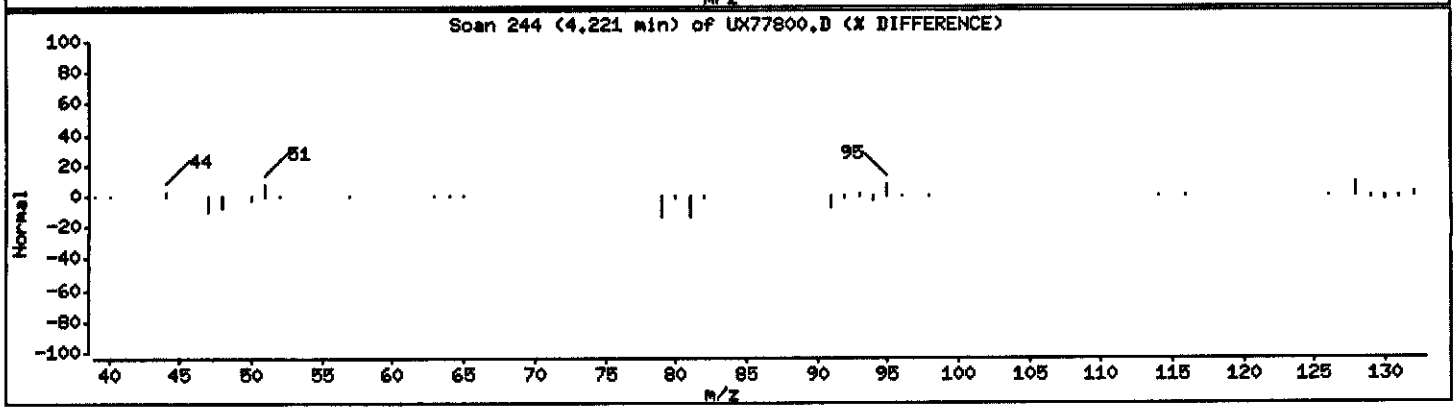
Column phase: DB624 20m Column diameter: 0.18

34 Bromochloromethane Concentration: 0.2741 ug/L









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Date : 19-JUL-2004 17:56

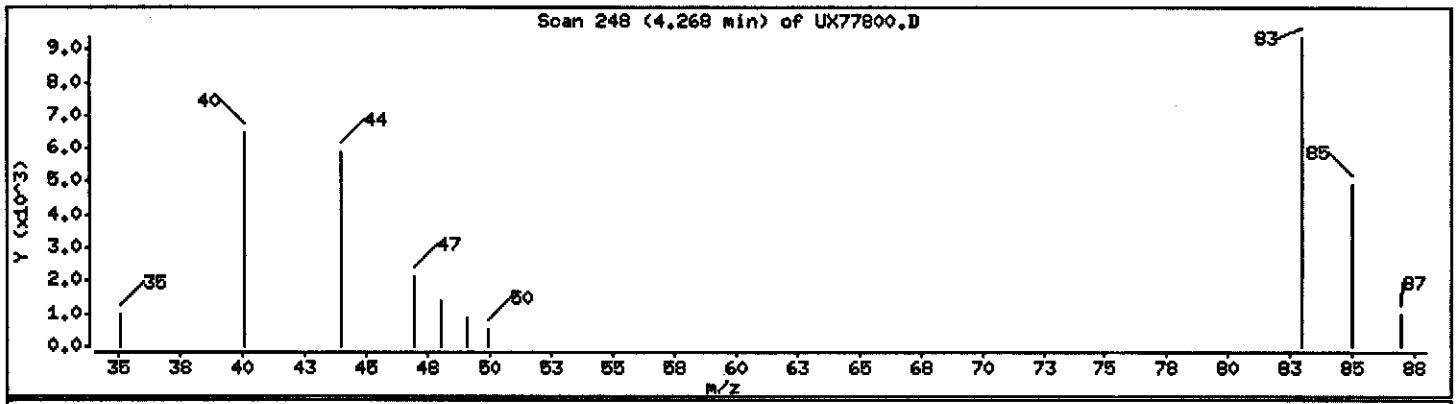
Client ID: MW510B/070904 Instrument: a3ux7.i

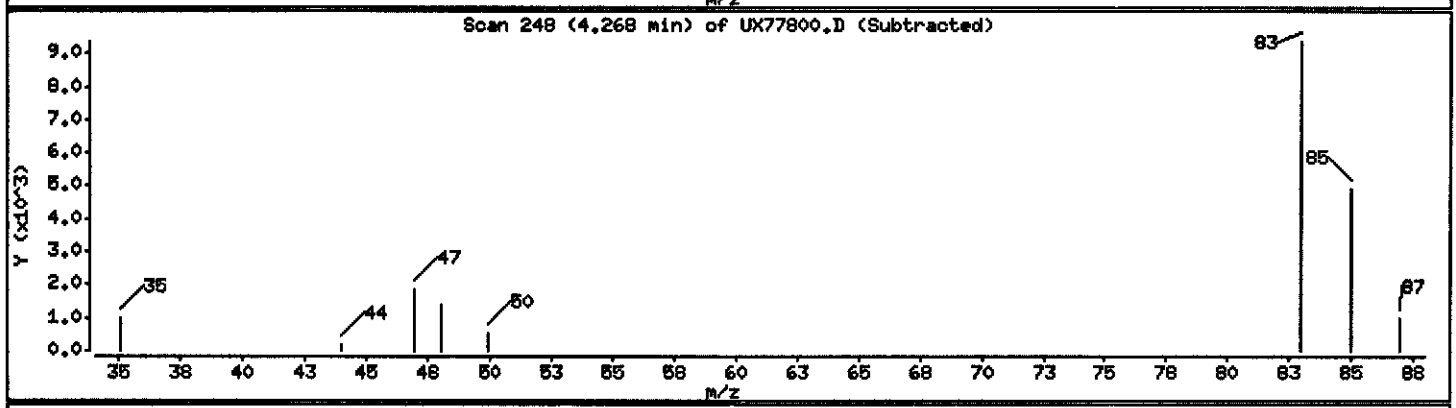
Sample Info: GKVP91AA,5ML/5ML

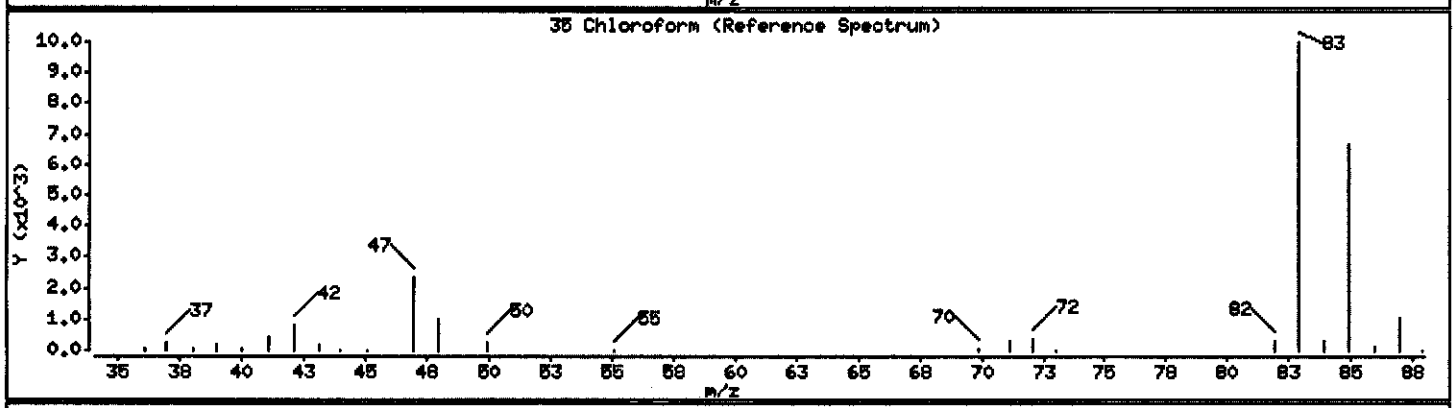
Purge Volume: 5.0 Operator: 1754

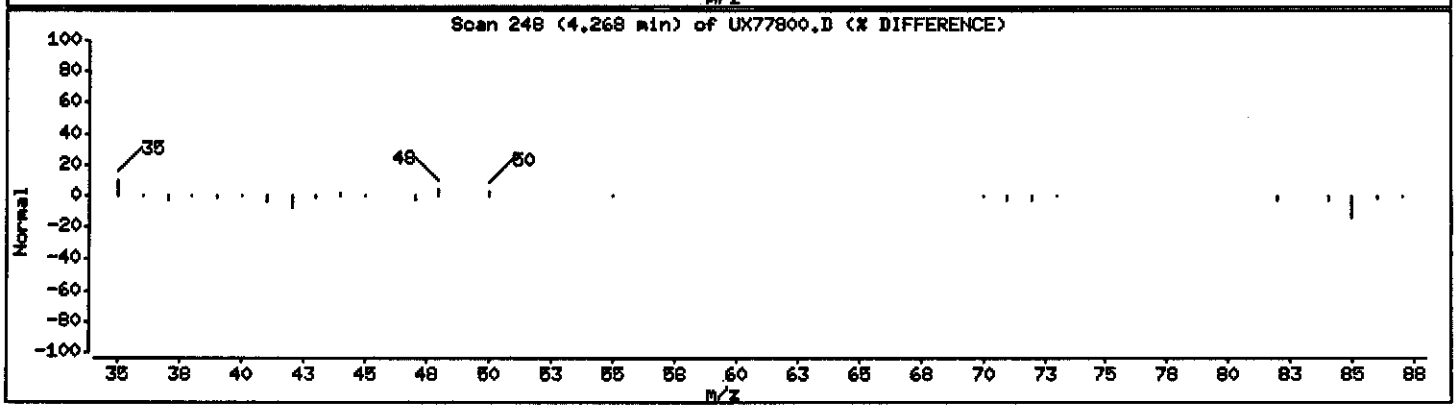
Column phase: DB624 20m Column diameter: 0.18

35 Chloroform Concentration: 0.3738 ug/L









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Date : 19-JUL-2004 17:56

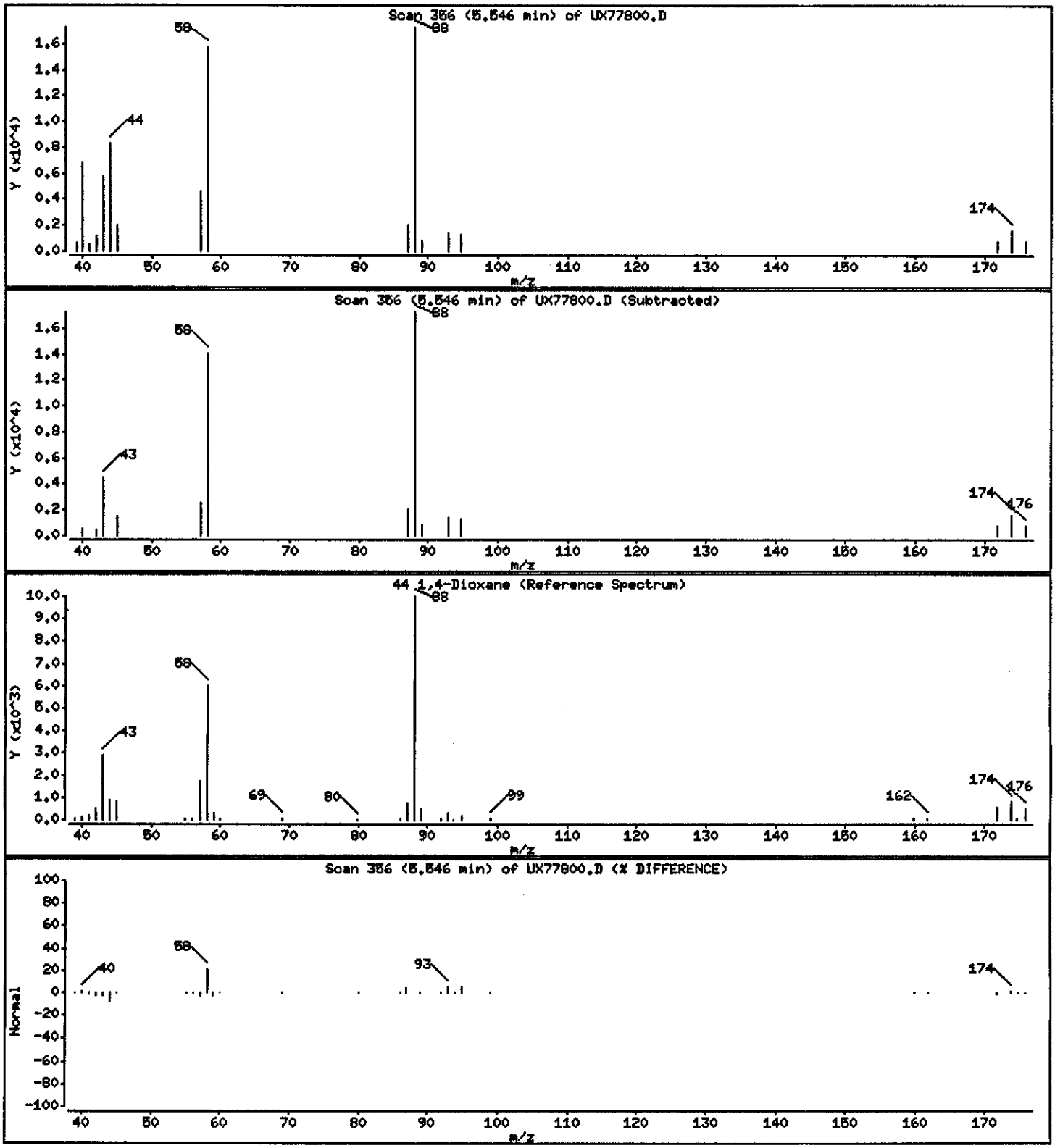
Client ID: MW510B/070904 Instrument: a3ux7.i

Sample Info: GKVP91AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 139.68 ug/L



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Date : 19-JUL-2004 17:56

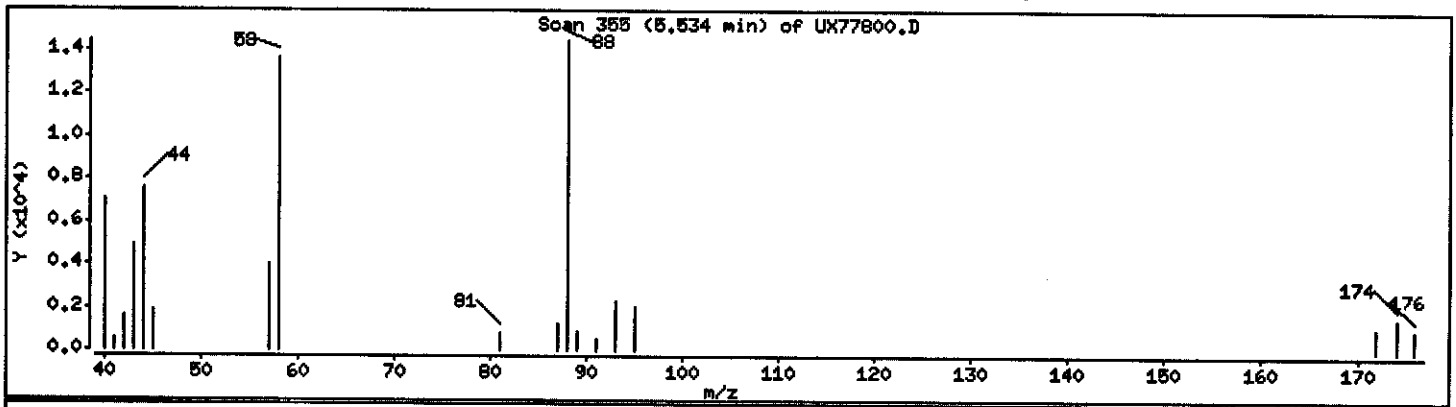
Client ID: MW510B/070904 Instrument: a3ux7.i

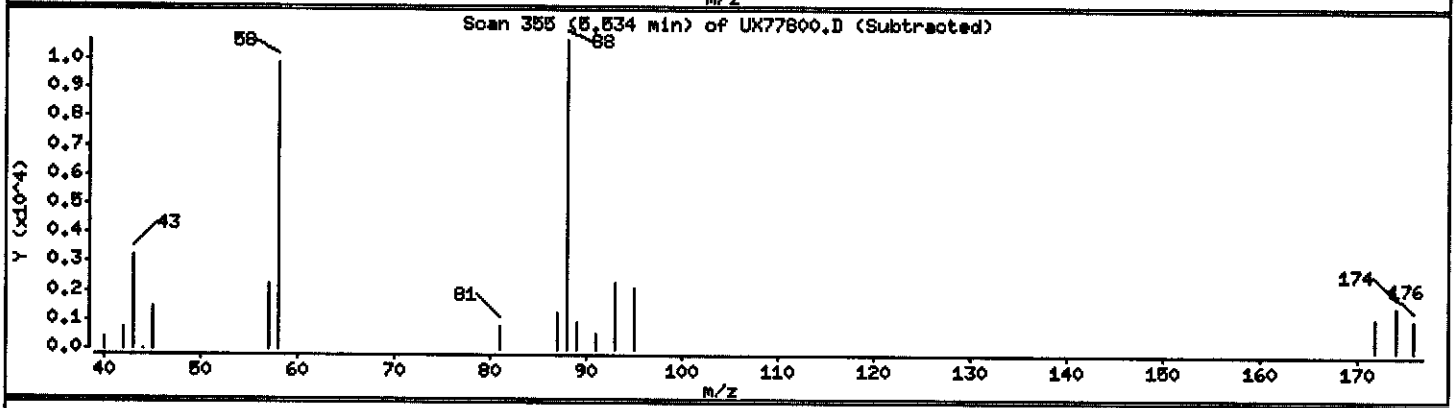
Sample Info: GKVP91AA,5ML/5ML

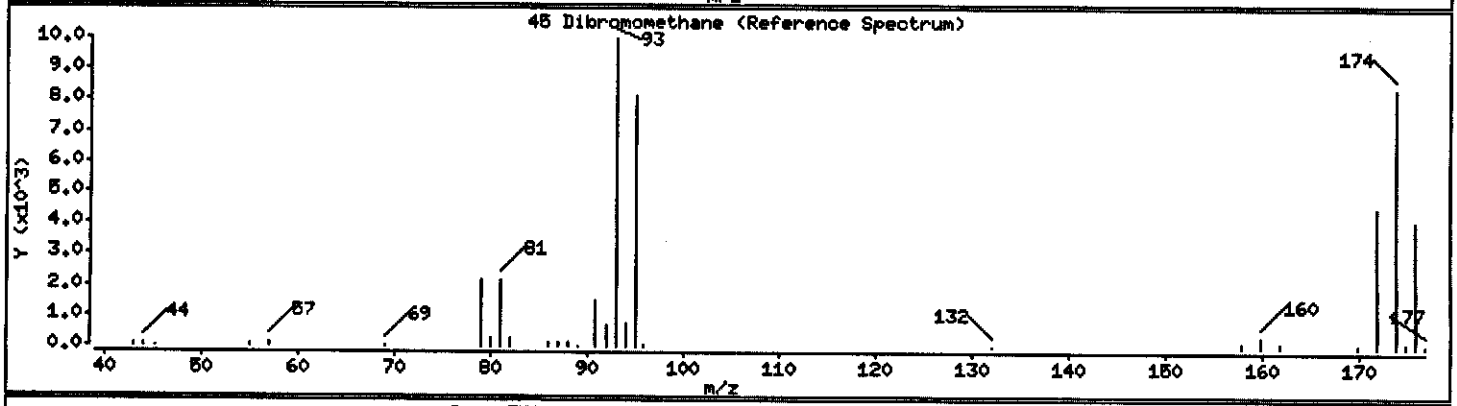
Purge Volume: 5.0 Operator: 1754

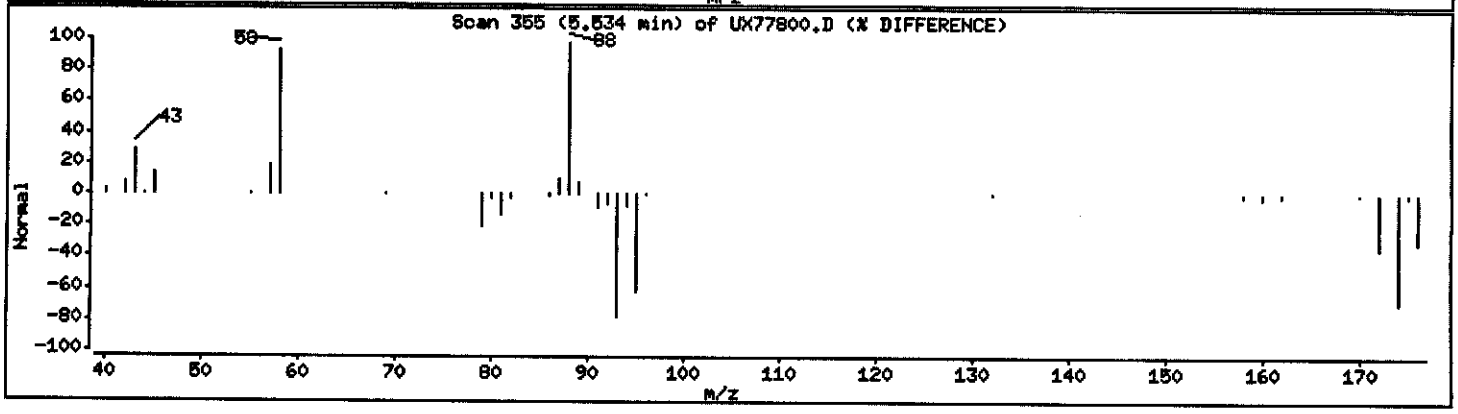
Column phase: DB624 20m Column diameter: 0.18

45 Dibromomethane Concentration: 0.2136 ug/L









PAYNE FIRM INC.

Client Sample ID: MW508/070904

GC/MS Volatiles

Lot-Sample #...: A4G100202-011 **Work Order #...:** GKVQC1AA **Matrix.....:** WG
Date Sampled...: 07/09/04 10:29 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202119
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.4 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**2.6**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	**0.21 J**	**1.0**	**ug/L**
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	**2.8**	**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	**1100**	**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: MW508/070904

GC/MS Volatiles

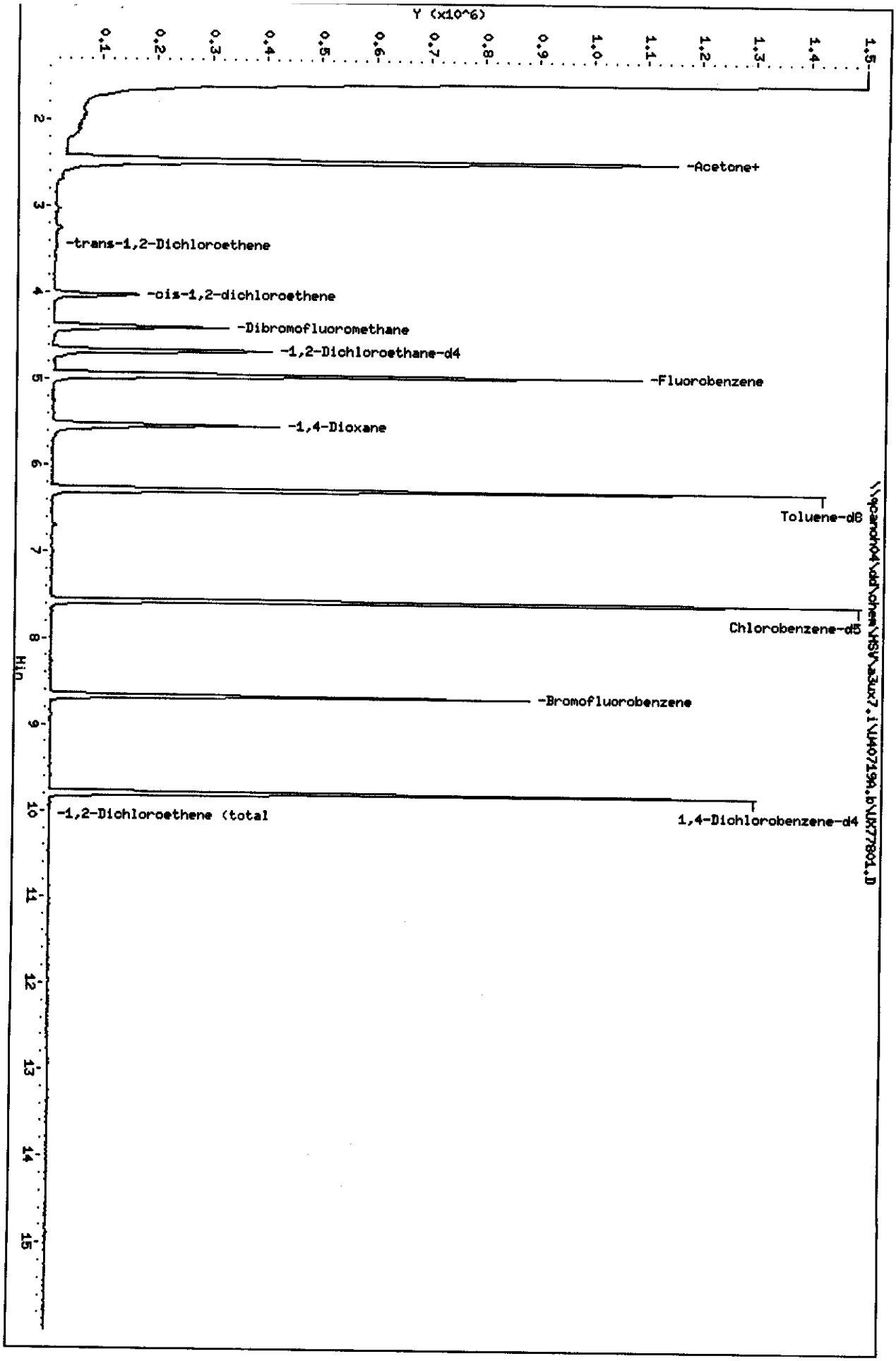
Lot-Sample #...: A4G100202-011 **Work Order #...:** GKVQC1AA **Matrix.....:** WG

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(73 - 122)
1,2-Dichloroethane-d4	91	(61 - 128)
Toluene-d8	91	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 19-JUL-2004 18:19
Client ID: MW508/070904
Sample Info: CKVQC100,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Acetone+
-trans-1,2-Dichloroethene
-cis-1,2-dichloroethene
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-1,4-Dioxane
Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4
\\qcanch04\dd\chem\HSV\a3ux7.i\U407190.b\UX77801.D
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77801.D
Report Date: 20-Jul-2004 09:19

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77801.D
Lab Smp Id: GKVQC1AA Client Smp ID: MW508/070904
Inj Date : 19-JUL-2004 18:19
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GKVQC1AA,5ML/5ML
Misc Info : U40719A,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 09:00 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 27
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	4.940	(1.000)	1218476	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.567	(1.000)	851569	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.792	(1.000)	365902	50.0000	
$ 4 Dibromofluoromethane	113	4.398	4.396	(0.888)	247996	46.1504	9.230
$ 5 1,2-Dichloroethane-d4	65	4.671	4.668	(0.943)	371547	45.4955	9.099
$ 6 Toluene-d8	98	6.280	6.278	(0.830)	1049140	45.5007	9.100
$ 7 Bromofluorobenzene	95	8.670	8.668	(1.145)	366293	41.1443	8.229
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	2.671	2.680	(0.539)	23341	7.10441	1.421
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77801.D
Report Date: 20-Jul-2004 09:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	3.251	3.248	(0.656)	7274	1.06416	0.2128
	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				101567	13.9887	2.798
	32 cis-1,2-dichloroethene	96	4.032	4.029	(0.814)	94293	12.9246	2.585
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.534	5.532	(1.117)	377171	5607.84	1121.6(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77801.D
Report Date: 20-Jul-2004 09:19

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)	1265832	216.334	43.267(A)
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qoanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77801.D

Date : 19-JUL-2004 18:19

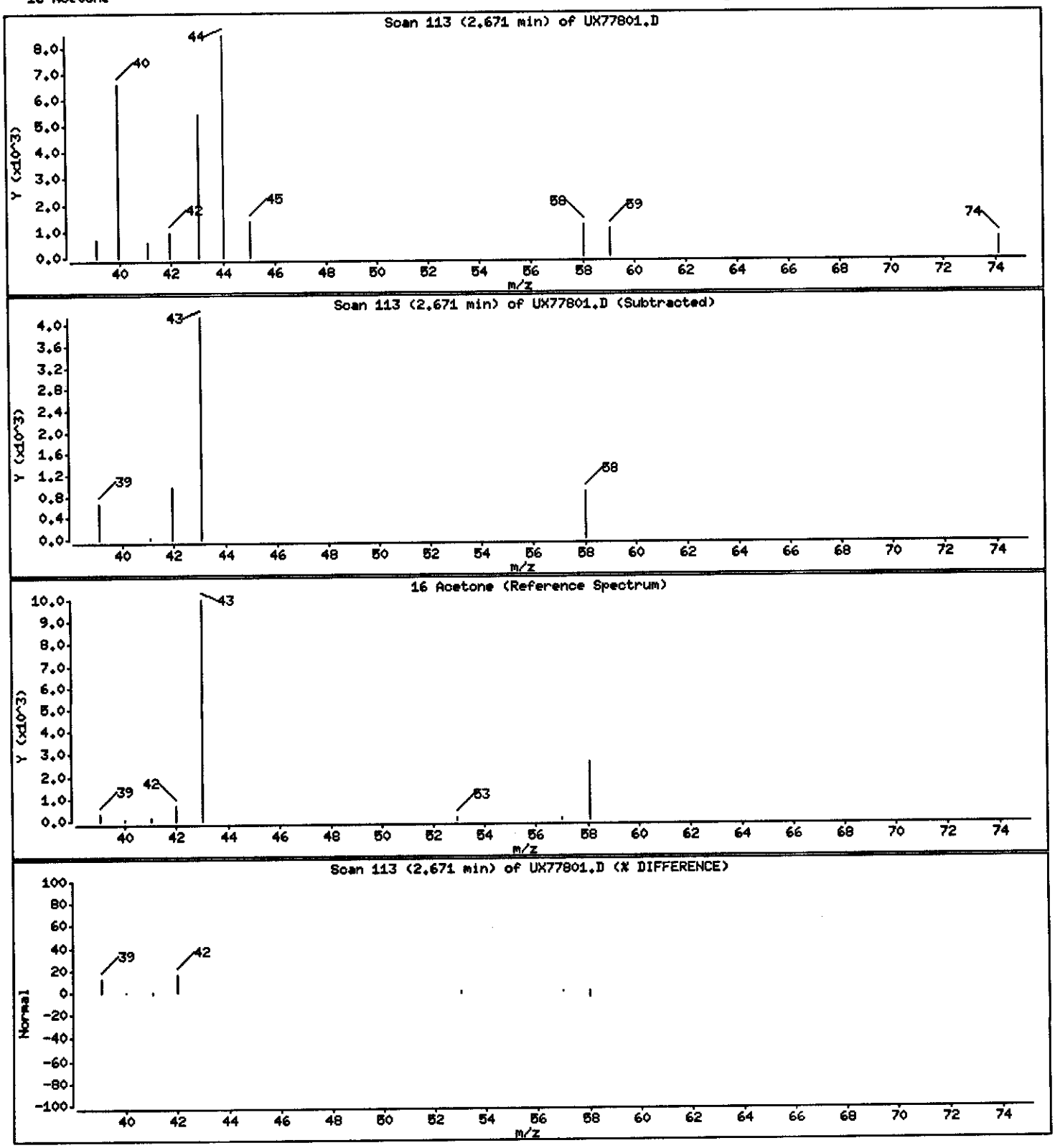
Client ID: MW508/070904 | Instrument: a3ux7.i

Sample Info: GKVQC1AA,5ML/5ML

Purge Volume: 5.0 | Operator: 1754

Column phase: DB624 20m | Column diameter: 0.18

16 Acetone | Concentration: 1.421 ug/L



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Date : 19-JUL-2004 18:19

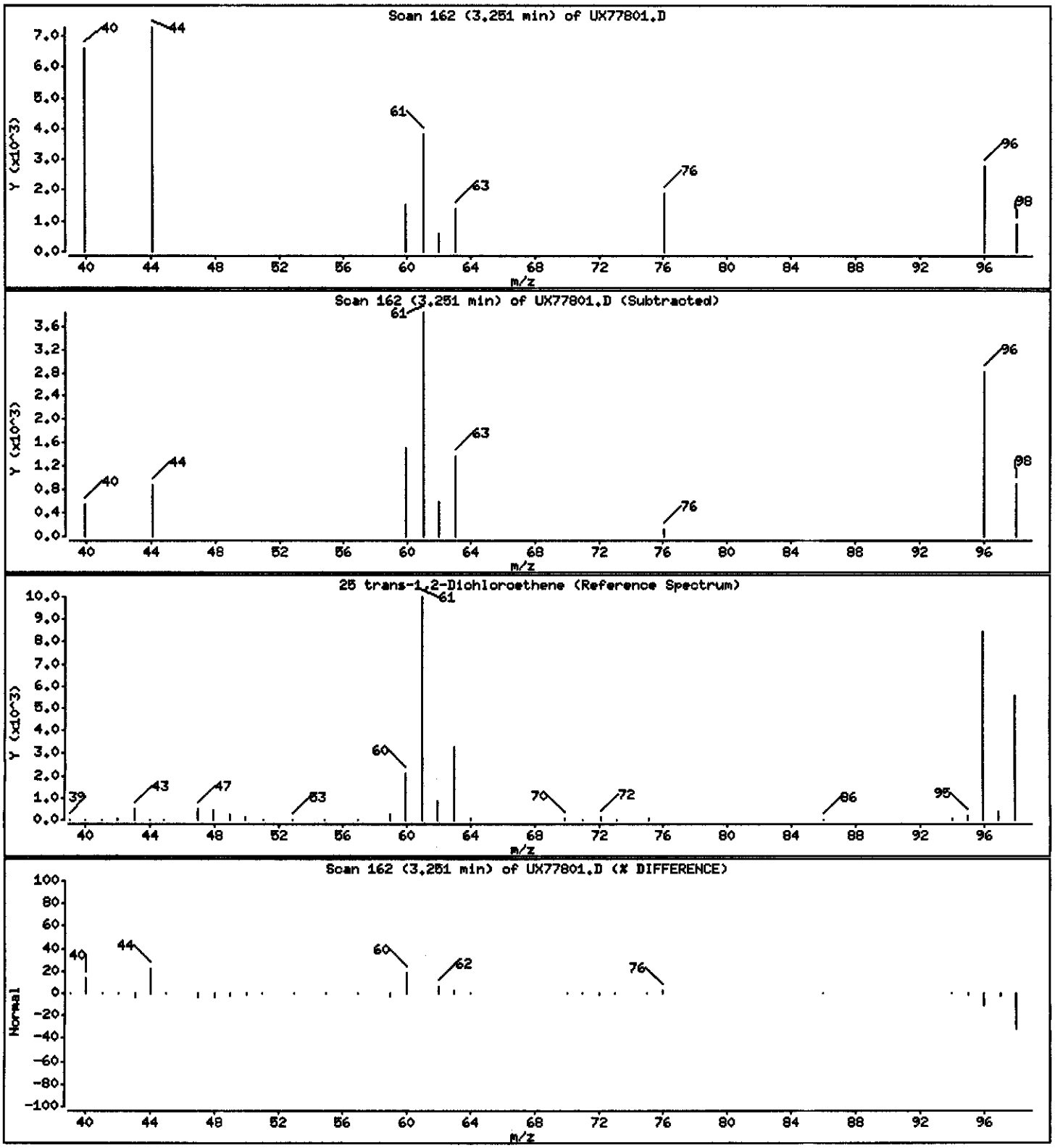
Client ID: MW508/070904 Instrument: a3ux7.i

Sample Info: GKVQC1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

25 trans-1,2-Dichloroethene Concentration: 0.2128 ug/L



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Date : 19-JUL-2004 18:19

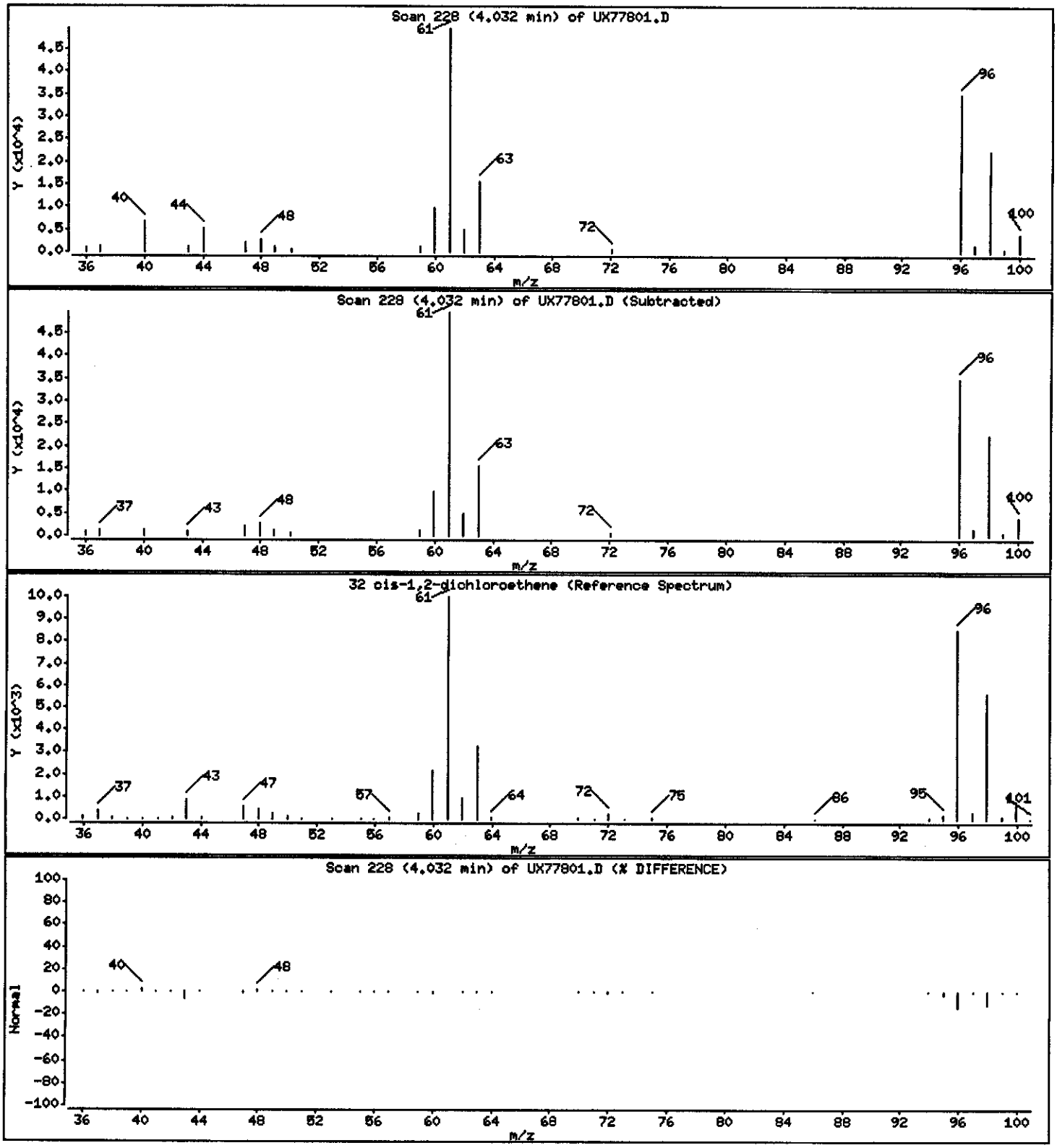
Client ID: MW508/070904 Instrument: a3ux7.i

Sample Info: GKVQC1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 2.585 ug/L



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Date : 19-JUL-2004 18:19

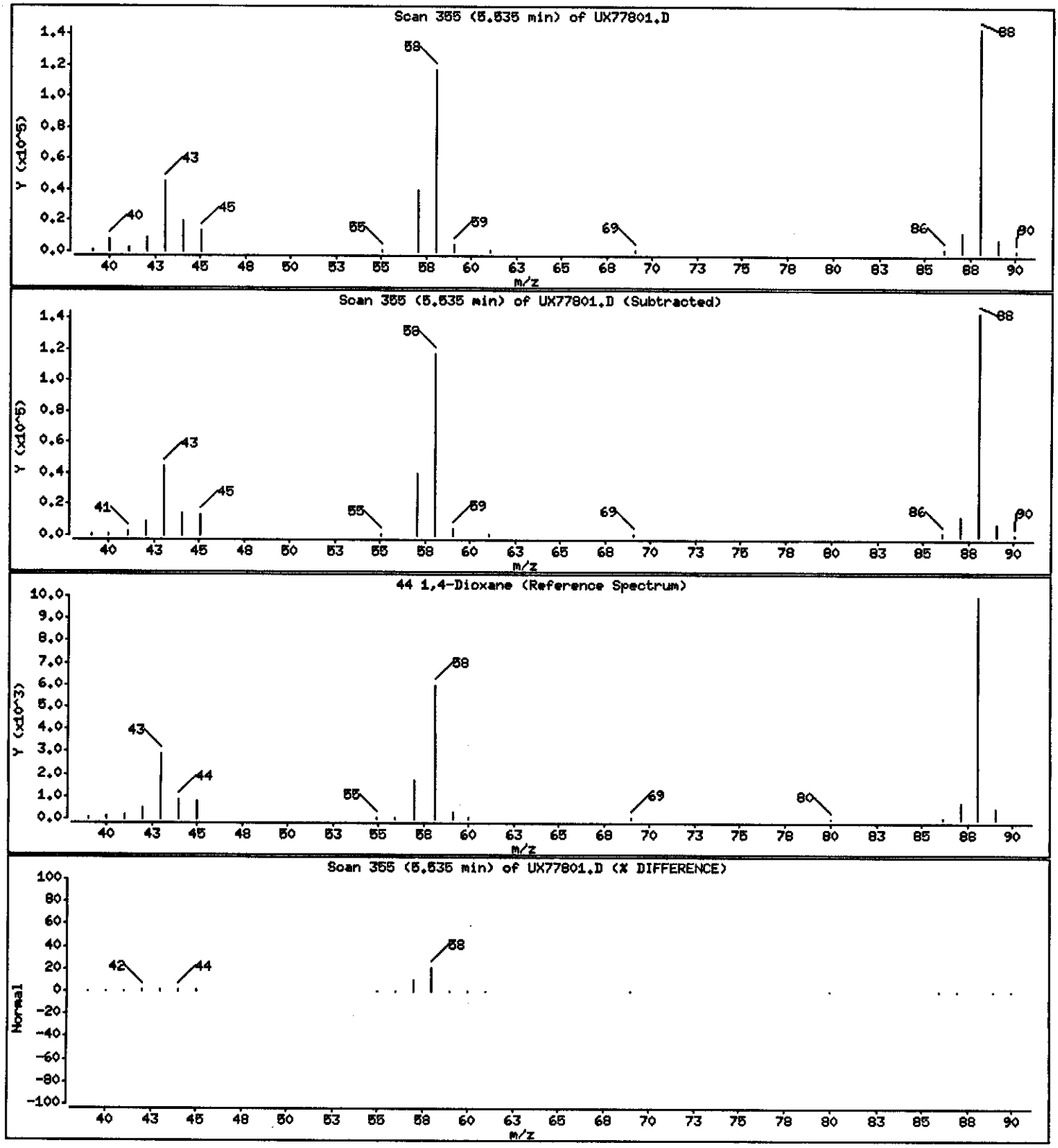
Client ID: MW508/070904 Instrument: a3ux7.i

Sample Info: GKVQC1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 1121.6 ug/L



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Date : 19-JUL-2004 18:19

Client ID: MW508/070904

Instrument: a3ux7.i

Sample Info: GKVQC1AA,5ML/5ML

Purge Volume: 5.0

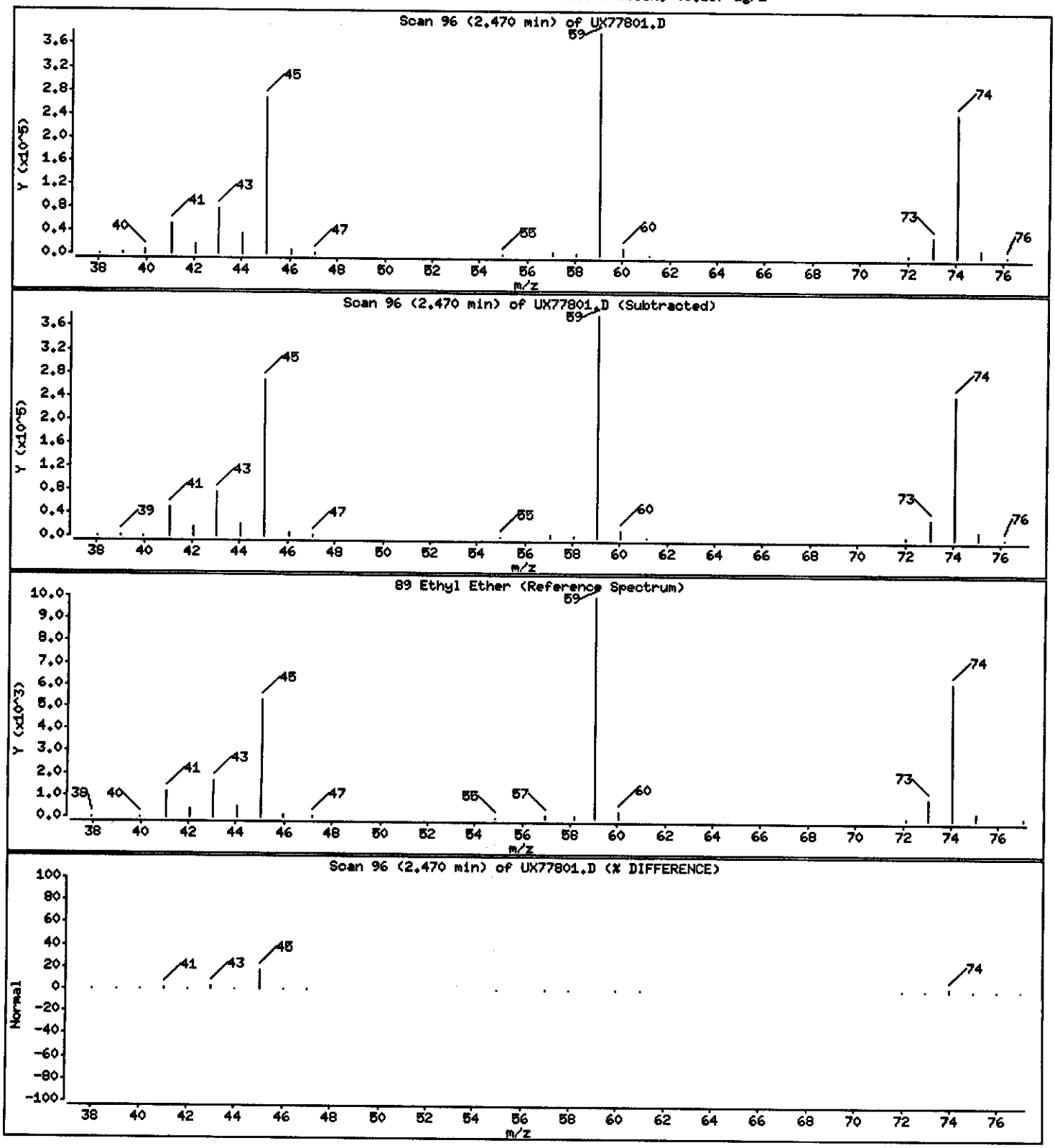
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

89 Ethyl Ether

Concentration: 43.267 ug/L



PAYNE FIRM INC.

Client Sample ID: MW508B/070904

GC/MS Volatiles

Lot-Sample #...: A4G100202-012 **Work Order #...:** GKVQE1AA **Matrix.....:** WG
Date Sampled...: 07/09/04 10:42 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202119
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**2.6 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**0.26 J**	**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	**0.29 J**	**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	**250**	**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: MW508B/070904

GC/MS Volatiles

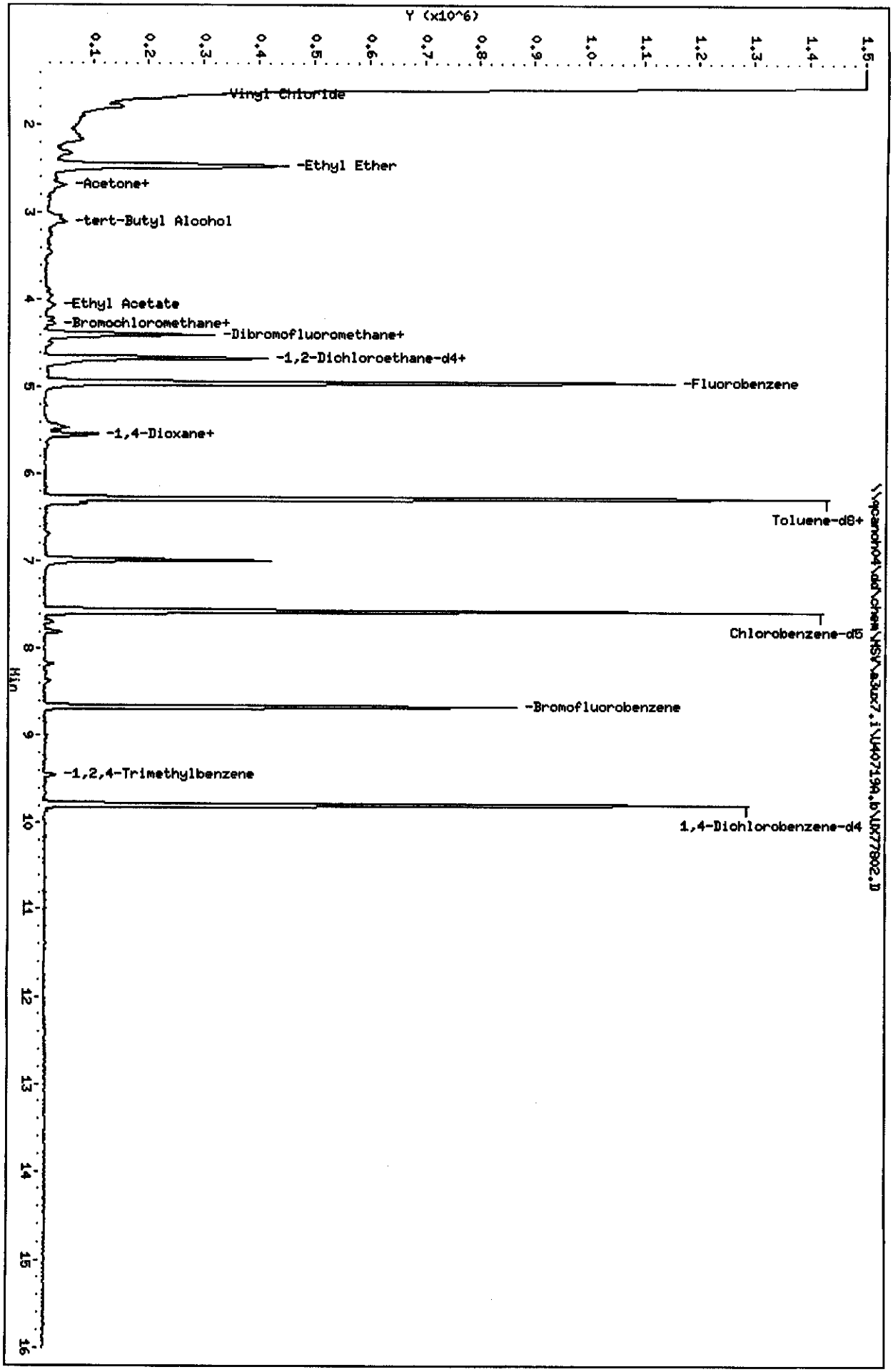
Lot-Sample #...: A4G100202-012 **Work Order #...:** GKVQE1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.35 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	**0.83 J**	**1.0**	**ug/L**
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
Toluene-d8	91	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U407199.b\UX77802.D
Date : 19-JUL-2004 18:42
Client ID: HW5068/070904
Sample Info: CKVQE100,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Vinyl Chloride
-Ethyl Ether
-Acetone+
-tert-Butyl Alcohol
-Ethyl Acetate
-Bromochloromethane+
-Dibromofluoromethane+
-1,2-Dichloroethane-d4+
-Fluorobenzene
-1,4-Dioxane+
Toluene-d8+
Chlorobenzene-d5
-Bromofluorobenzene
-1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77802.D
Report Date: 20-Jul-2004 09:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77802.D
Lab Smp Id: GKVQE1AA Client Smp ID: MW508B/070904
Inj Date : 19-JUL-2004 18:42
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GKVQE1AA,5ML/5ML
Misc Info : U40719A,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 09:00 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 28
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	4.940	(1.000)	1225590	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	840248	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	357593	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	246392	45.5857	9.117
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	368691	44.8837	8.977
$ 6 Toluene-d8	98	6.277	6.278	(0.830)	1035696	45.5228	9.104
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	369354	42.0471	8.409
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.745	1.757	(0.353)	35330	4.15779	0.8316
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	2.680	2.680	(0.541)	46778	12.9188	2.584
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77802.D
Report Date: 20-Jul-2004 09:20

	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	2.869	2.870	(0.579)	27019	1.30657	0.2613
	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	3.118	3.106	(0.630)	71722	89.1269	17.825
	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	4.218	4.219	(0.852)	4868	1.59166	0.3183
	35 Chloroform	83	4.278	4.266	(0.864)	15530	1.29821	0.2596
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.739	4.727	(0.957)	24519	0.82025	0.1640
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.544	5.532	(1.119)	86114	1272.92	254.58(A)
	45 Dibromomethane	93	5.532	5.532	(1.117)	5661	1.44682	0.2894
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.336	6.337	(0.837)	52329	1.73362	0.3467
	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\U40719A.b\UX77802.D
Report Date: 20-Jul-2004 09:20

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	9.449	(0.965)	13262	0.62364	0.1247
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	2.467	2.467	(0.498)	467861	79.4946	15.899
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	4.065	4.053	(0.821)	51590	7.39220	1.478
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.502	4.503	(0.909)	10384	0.93601	0.1872(a)
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.425	5.426	(1.096)	9090	1.13693	0.2274
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qoanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77802.D

Date : 19-JUL-2004 18:42

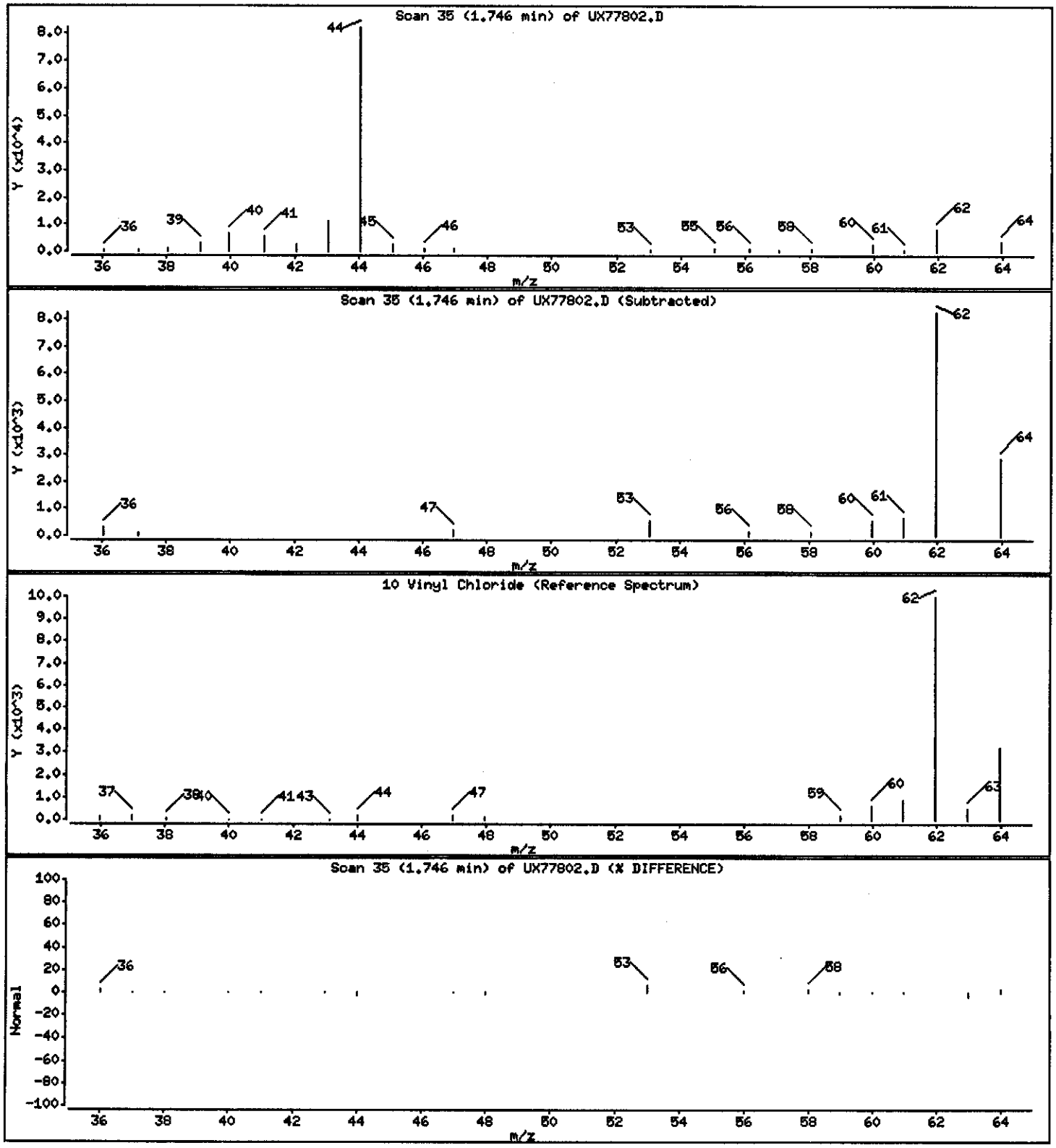
Client ID: MW508B/070904 Instrument: a3ux7.i

Sample Info: GKVQE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

10 Vinyl Chloride Concentration: 0.8316 ug/L



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Date : 19-JUL-2004 18:42

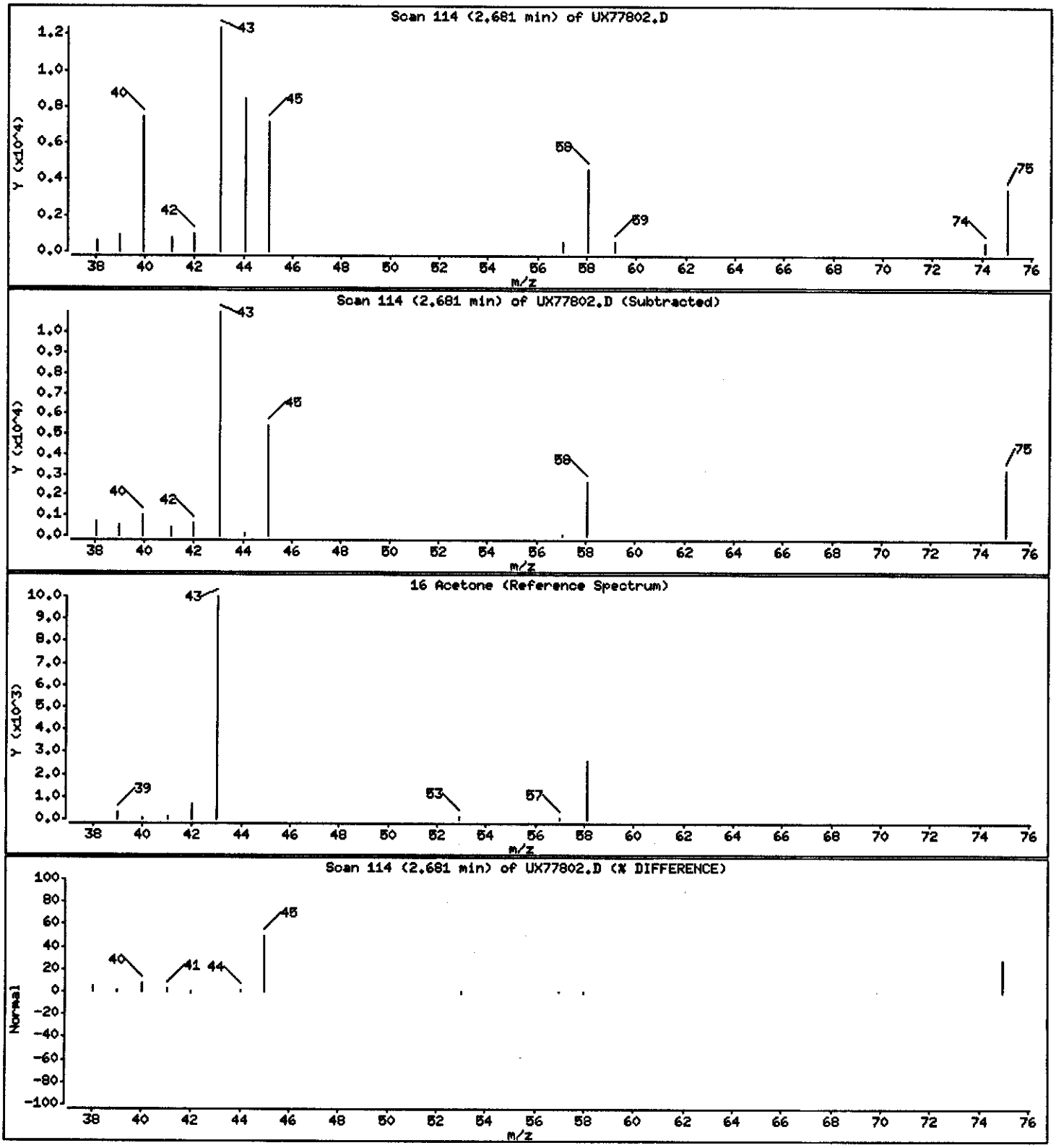
Client ID: MW508B/070904 Instrument: a3ux7.i

Sample Info: GKVQE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 2.584 ug/L



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Date : 19-JUL-2004 18:42

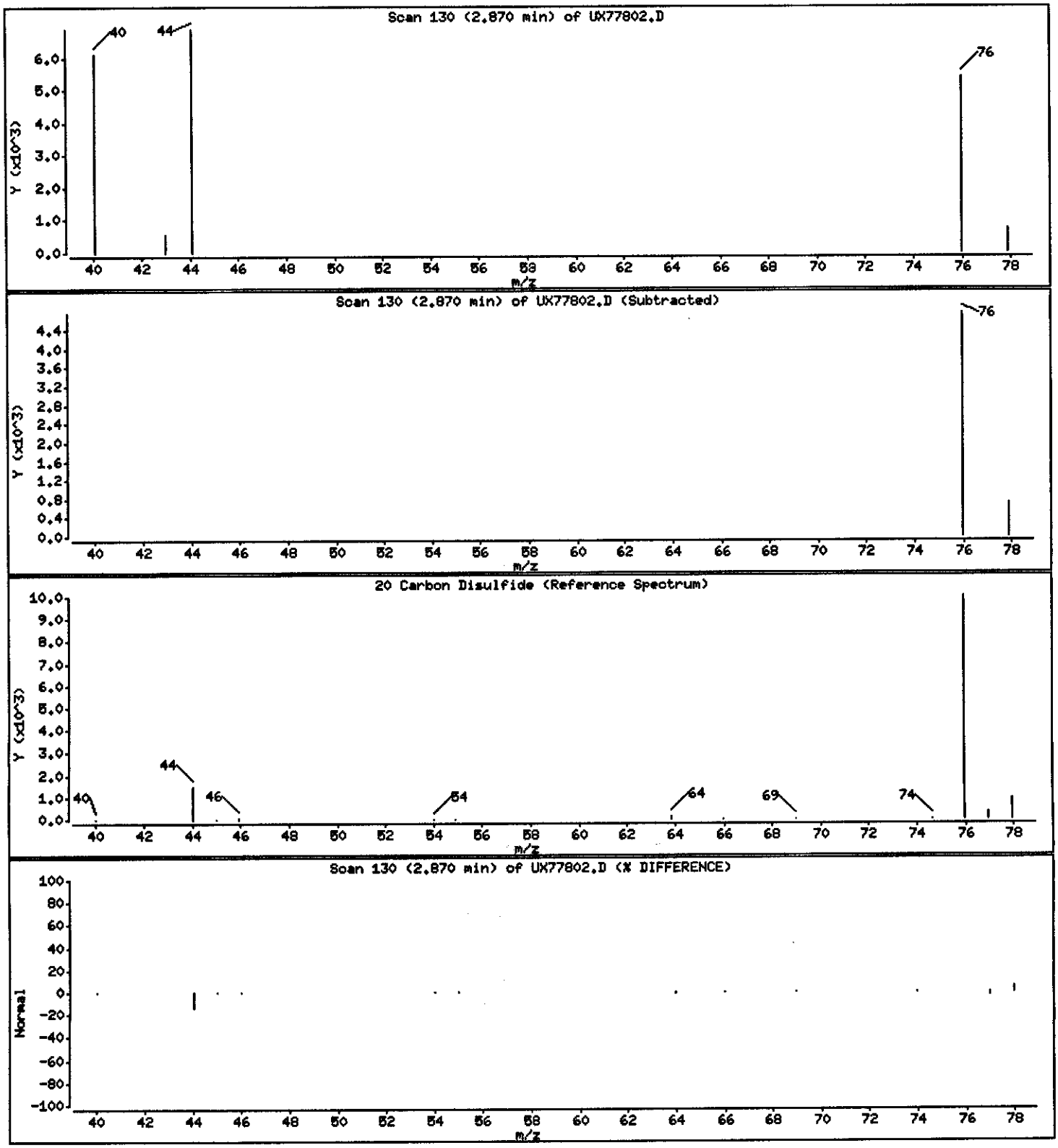
Client ID: MW508B/070904 Instrument: a3ux7.i

Sample Info: GKVQE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.2613 ug/L



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Date : 19-JUL-2004 18:42

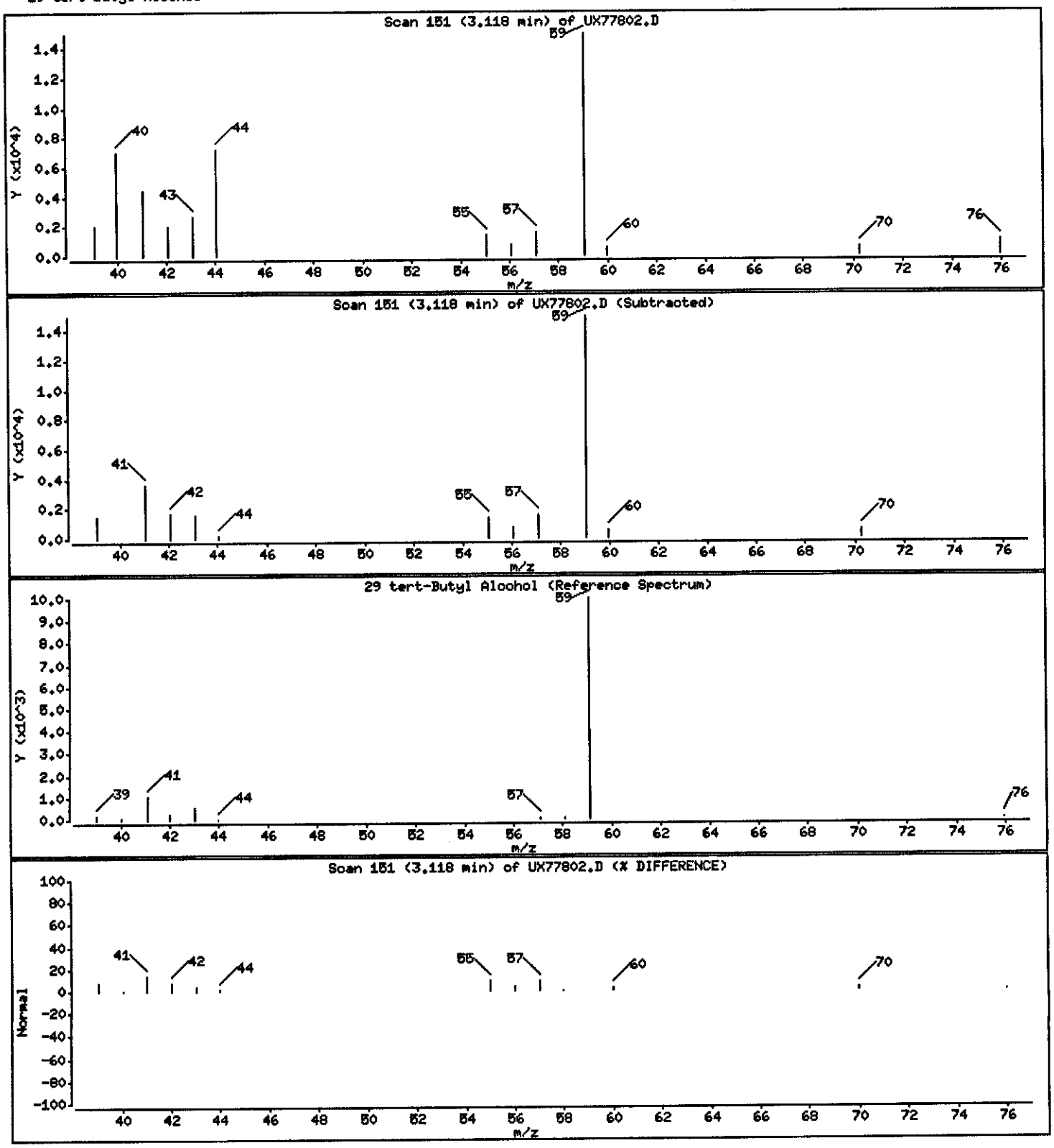
Client ID: MW508B/070904 Instrument: a3ux7.i

Sample Info: GKVQE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

29 tert-Butyl Alcohol Concentration: 17.825 ug/L



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Date : 19-JUL-2004 18:42

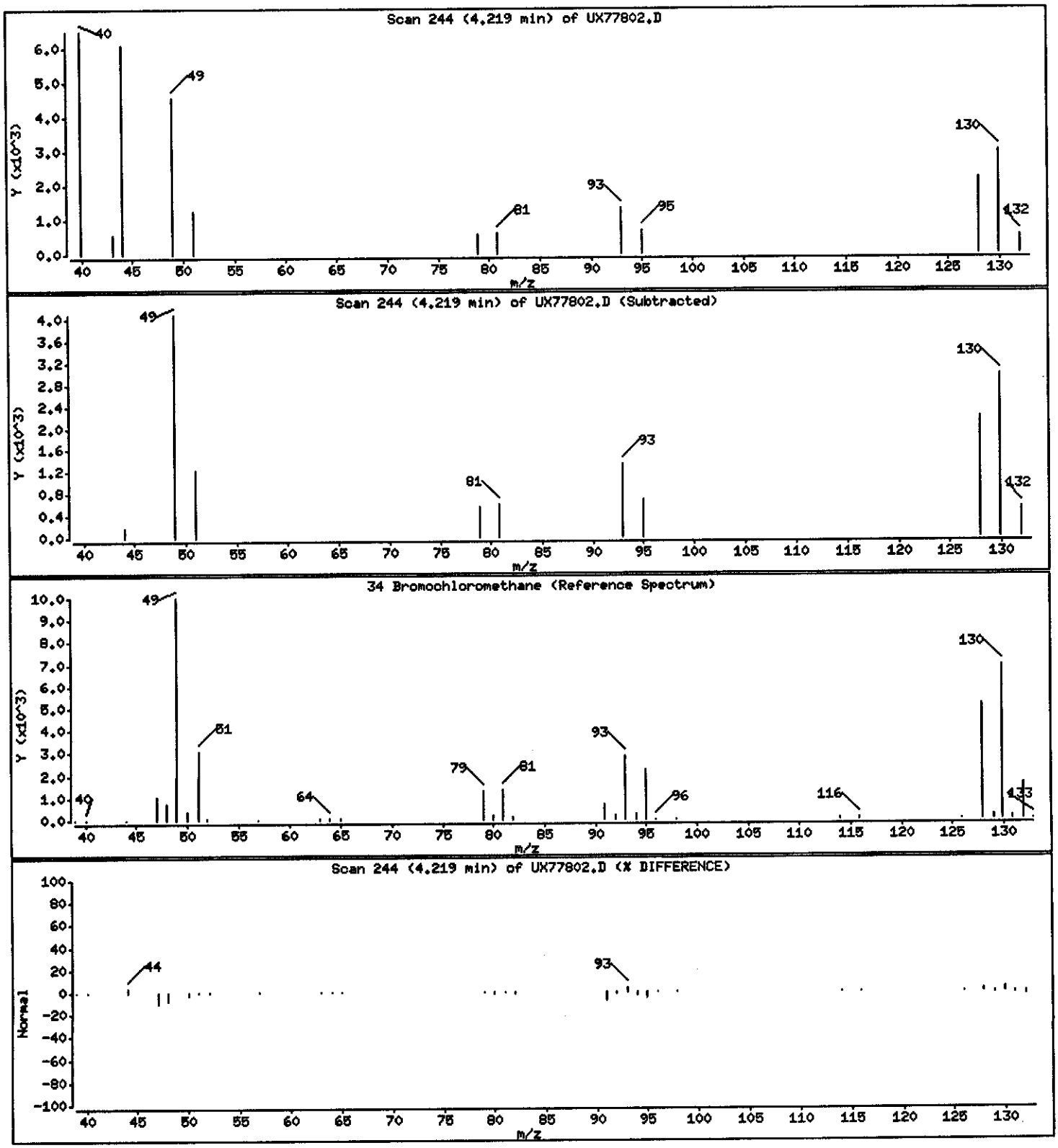
Client ID: MW508B/070904 Instrument: a3ux7.i

Sample Info: GKVQE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

34 Bromochloromethane Concentration: 0.3183 ug/L



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Date : 19-JUL-2004 18:42

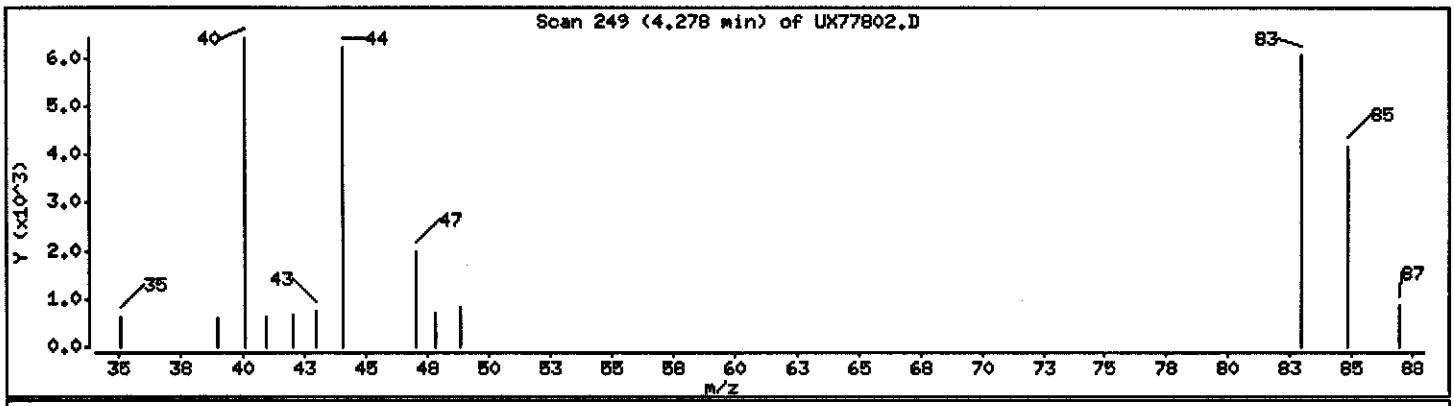
Client ID: MW508B/070904 Instrument: a3ux7.i

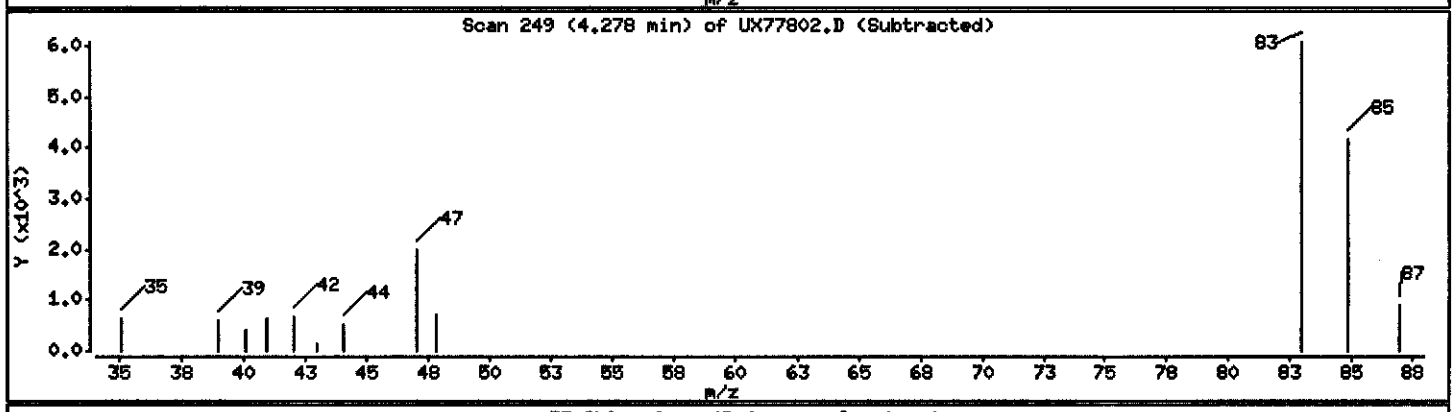
Sample Info: GKVQE1AA,5ML/5ML

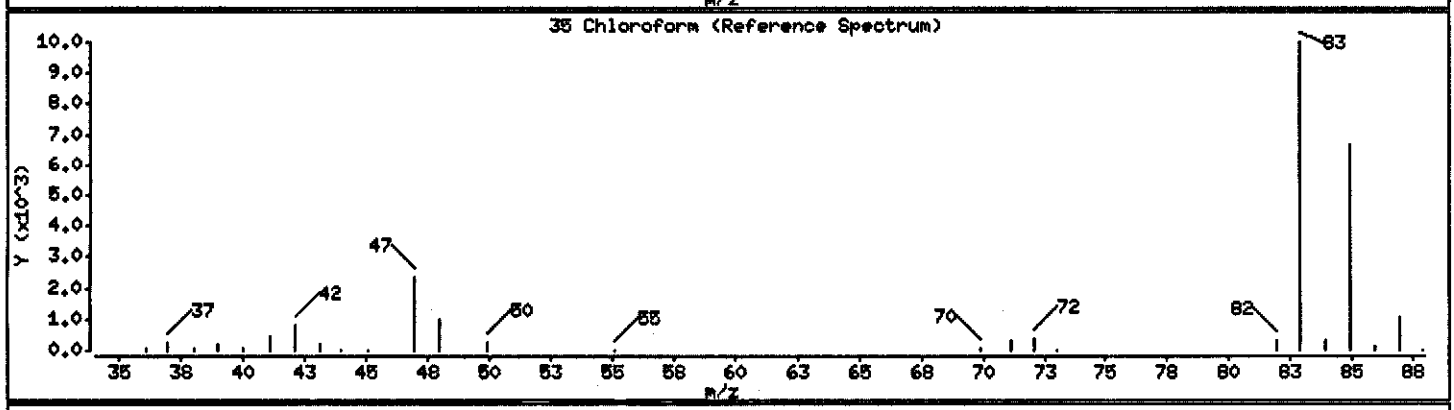
Purge Volume: 5.0 Operator: 1754

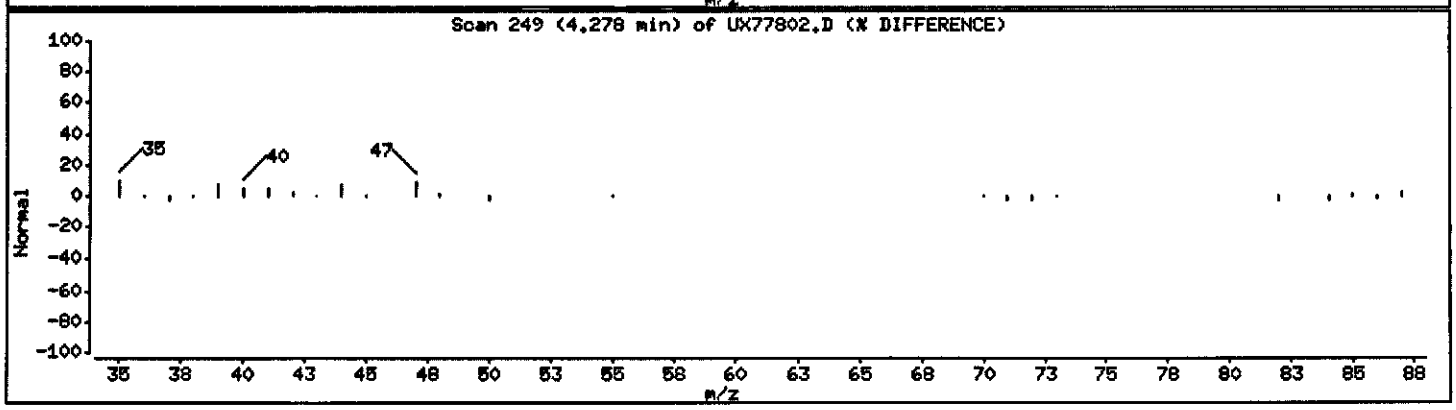
Column phase: DB624 20m Column diameter: 0.18

35 Chloroform Concentration: 0.2596 ug/L









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Date : 19-JUL-2004 18:42

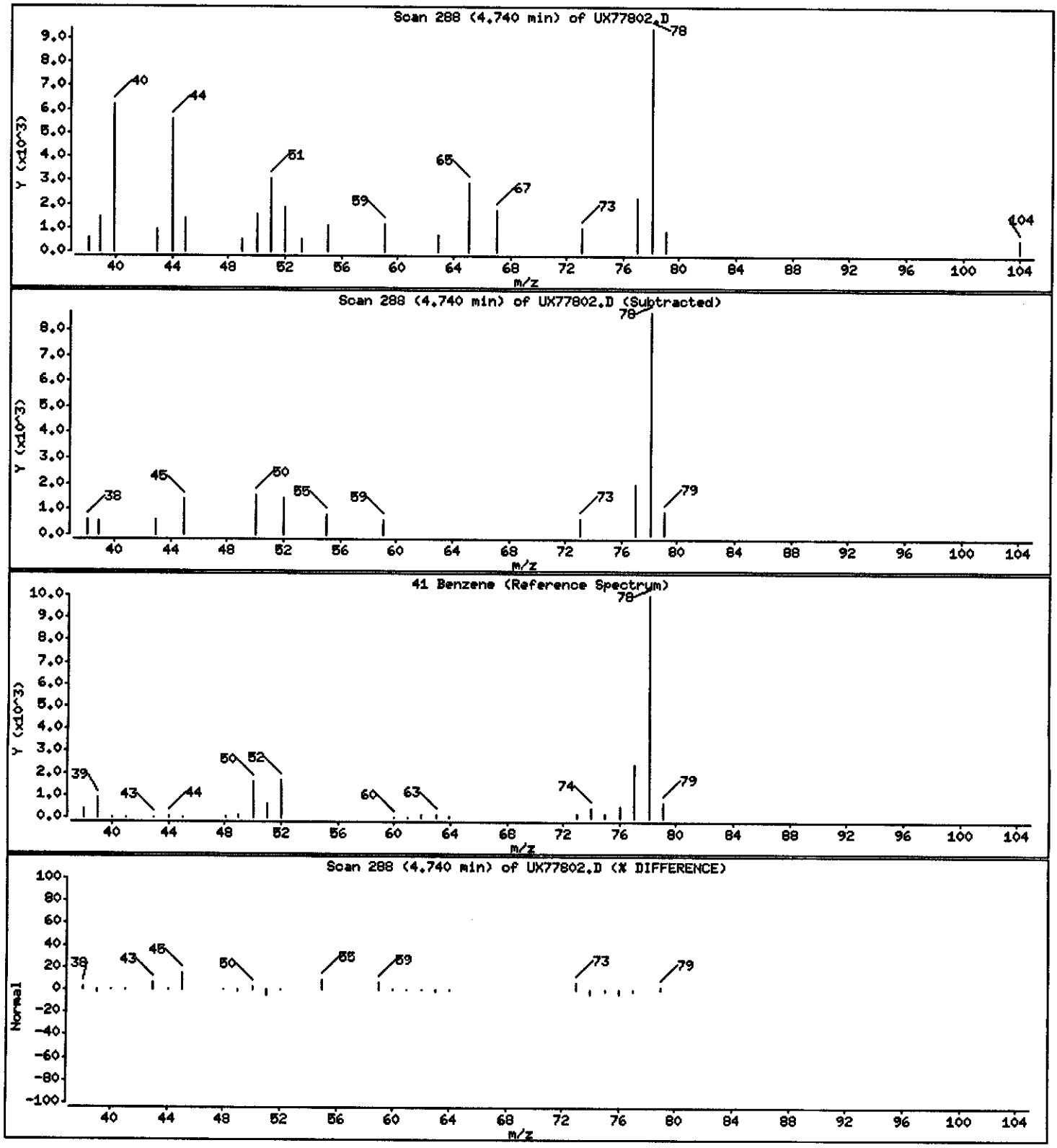
Client ID: MW508B/070904 Instrument: a3ux7.i

Sample Info: GKVQE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

41 Benzene Concentration: 0.1640 ug/L



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Date : 19-JUL-2004 18:42

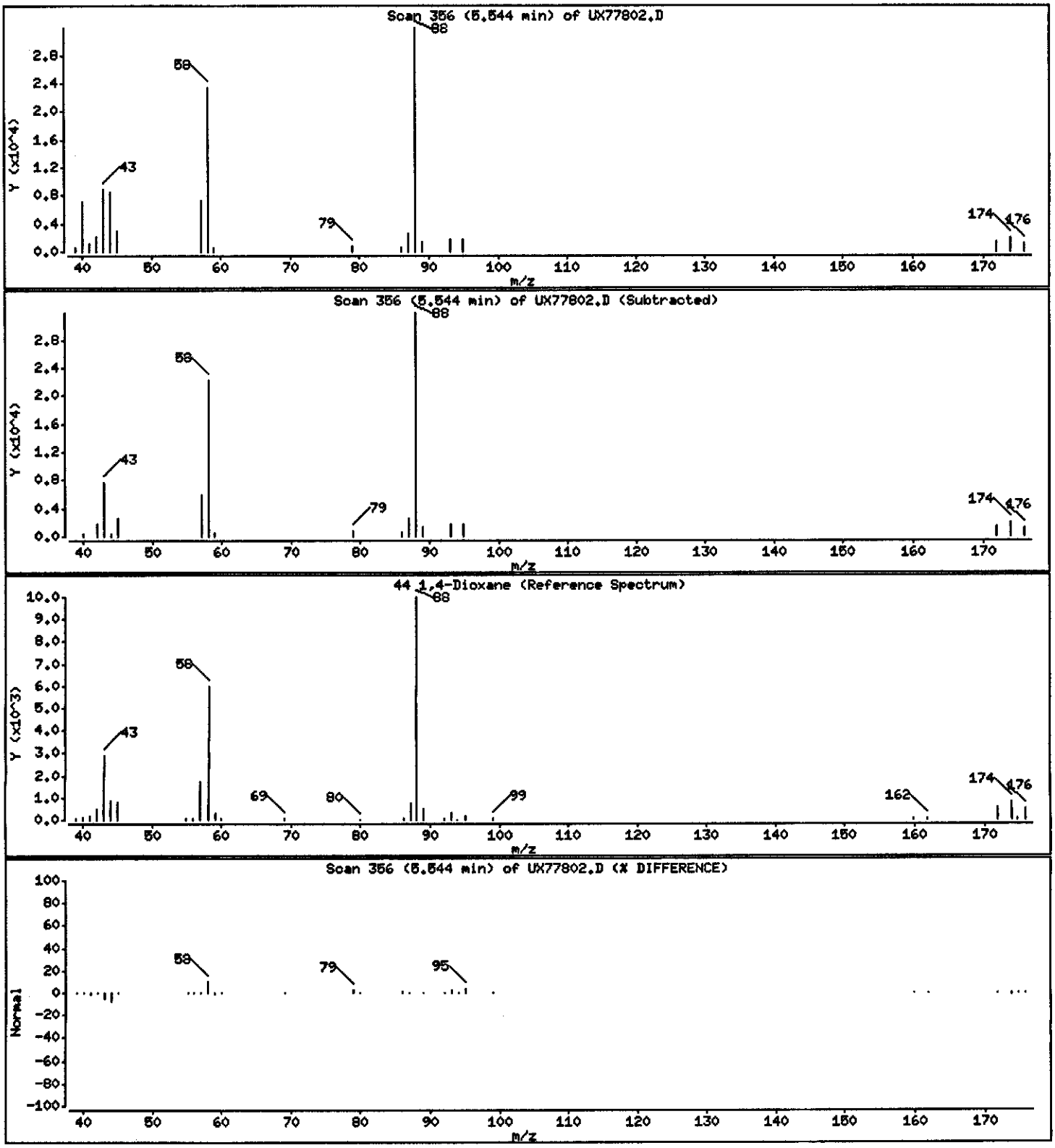
Client ID: MW508B/070904 Instrument: a3ux7.i

Sample Info: GKVQE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 254.58 ug/L



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Date : 19-JUL-2004 18:42

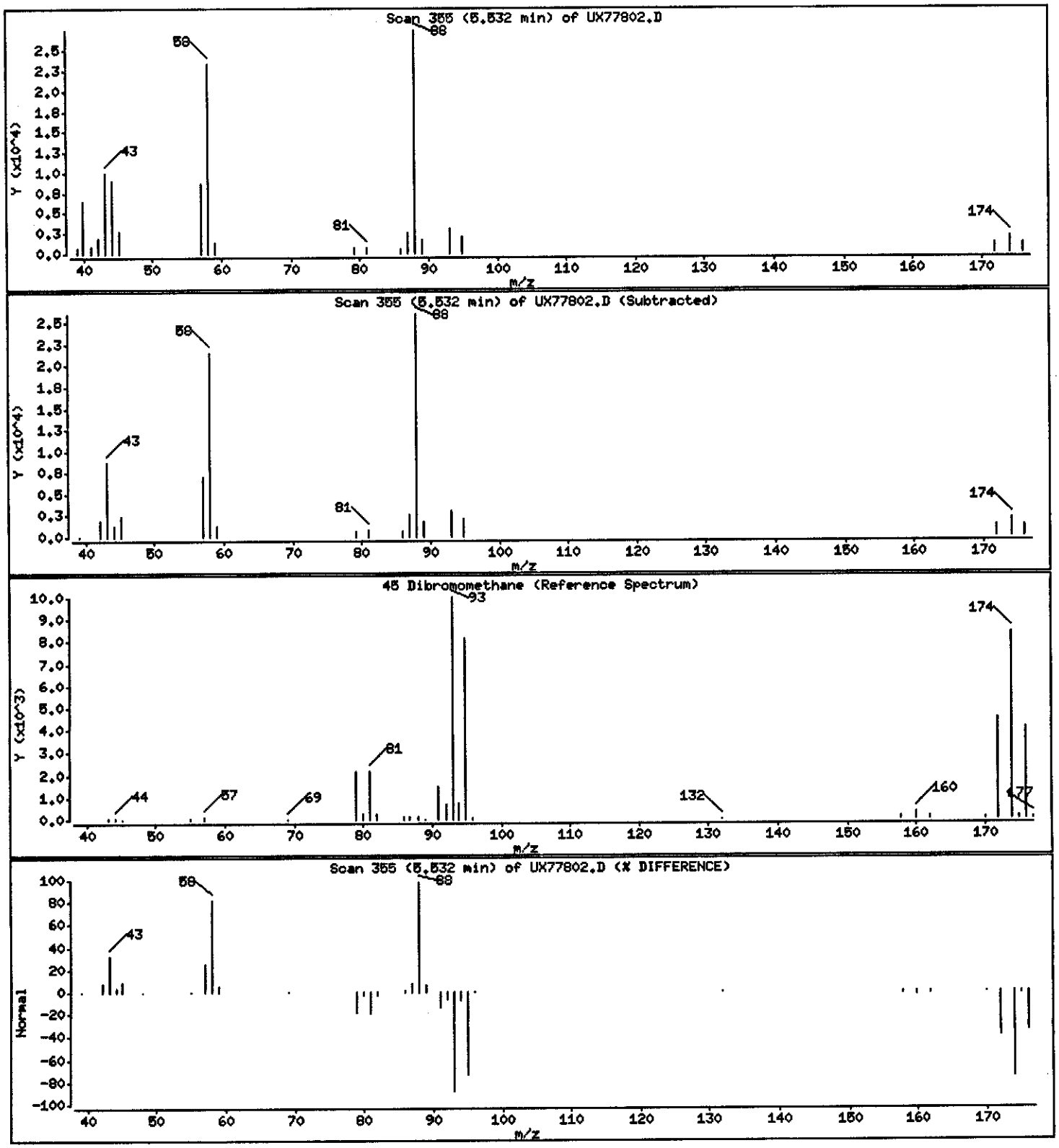
Client ID: MW508B/070904 Instrument: a3ux7.i

Sample Info: GKVQE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

45 Dibromomethane Concentration: 0.2894 ug/L



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Date : 19-JUL-2004 18:42

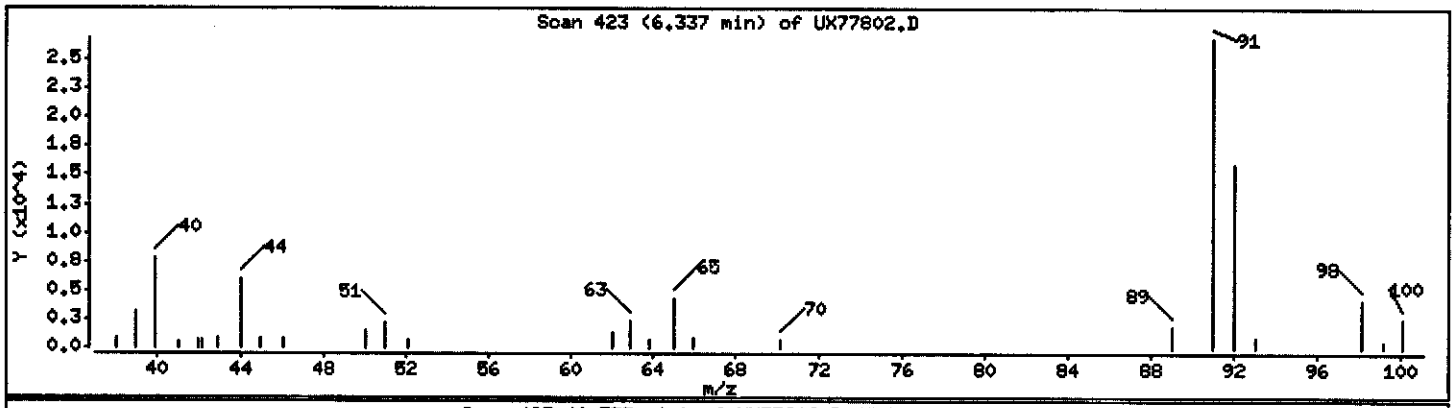
Client ID: MW508B/070904 Instrument: a3ux7.i

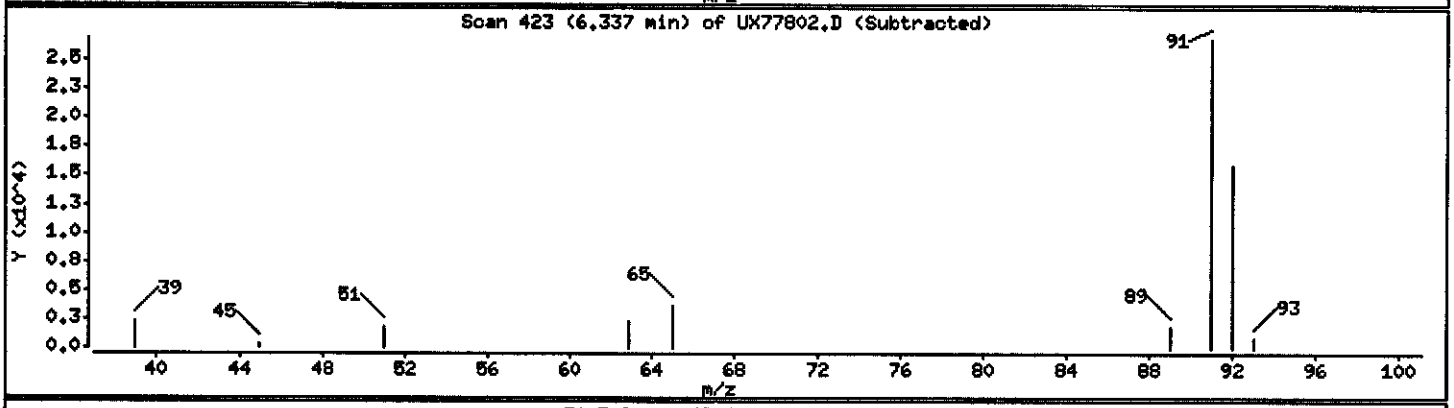
Sample Info: GKVQE1AA,5ML/5ML

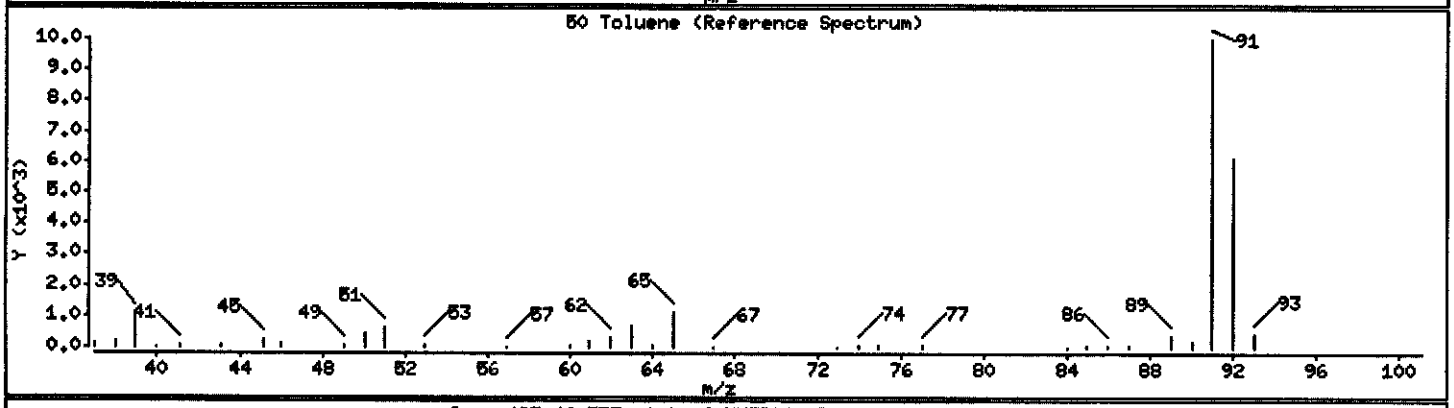
Purge Volume: 5.0 Operator: 1754

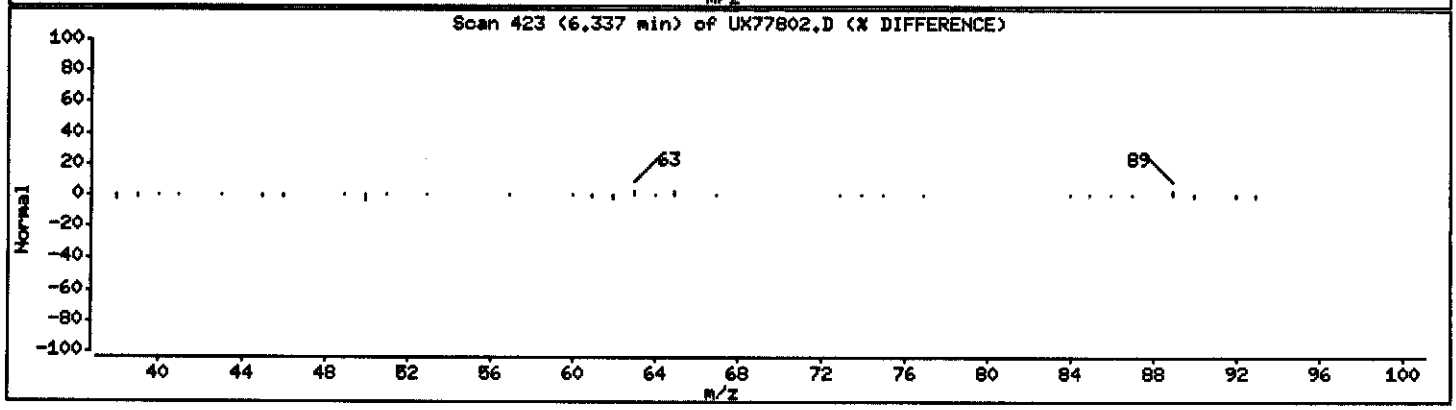
Column phase: DB624 20m Column diameter: 0.18

50 Toluene Concentration: 0.3467 ug/L









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Date : 19-JUL-2004 18:42

Client ID: MW508B/070904

Instrument: a3ux7.i

Sample Info: GKVQE1AA,5ML/5ML

Purge Volume: 5.0

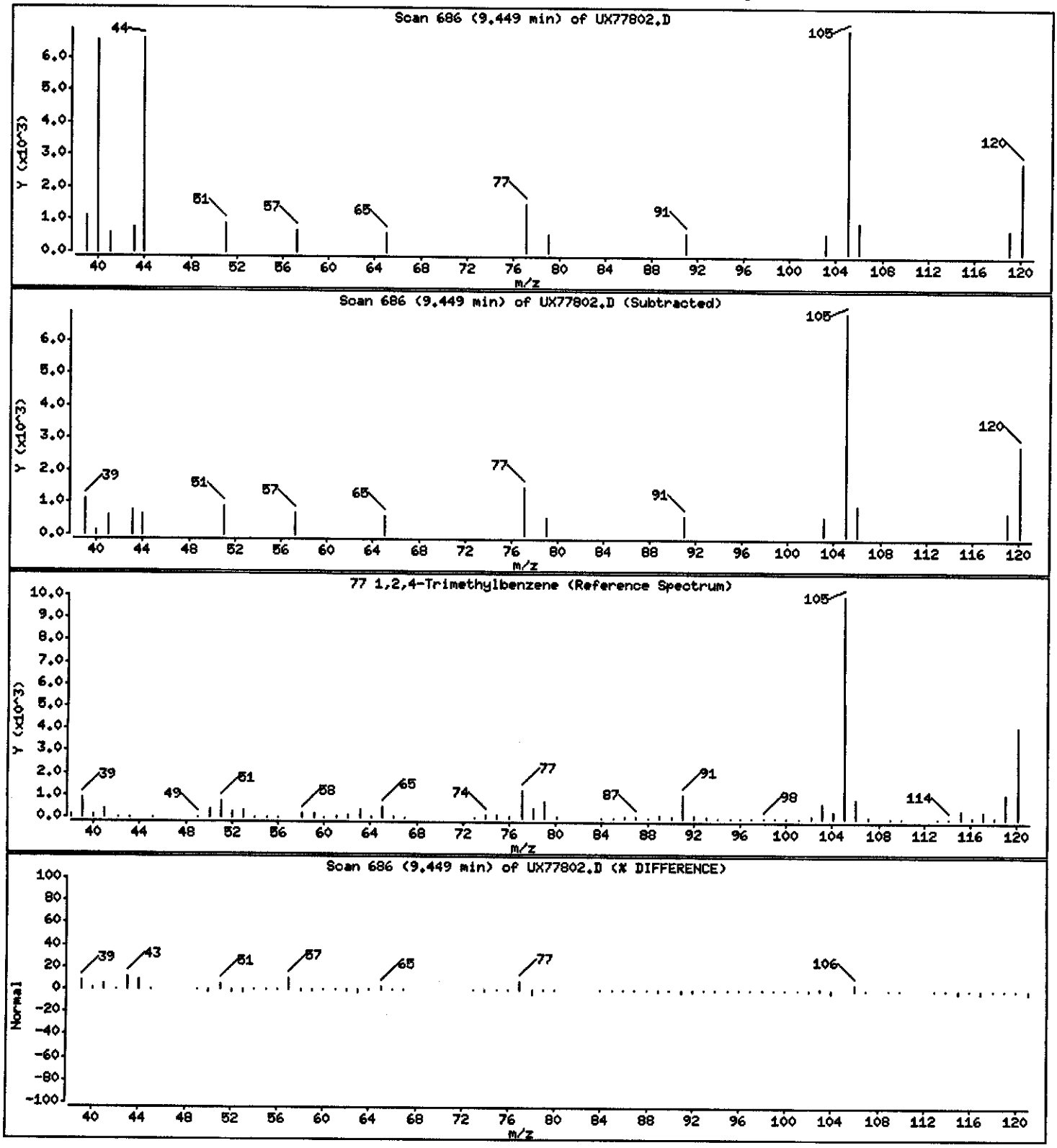
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

77 1,2,4-Trimethylbenzene

Concentration: 0.1247 ug/L



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Date : 19-JUL-2004 18:42

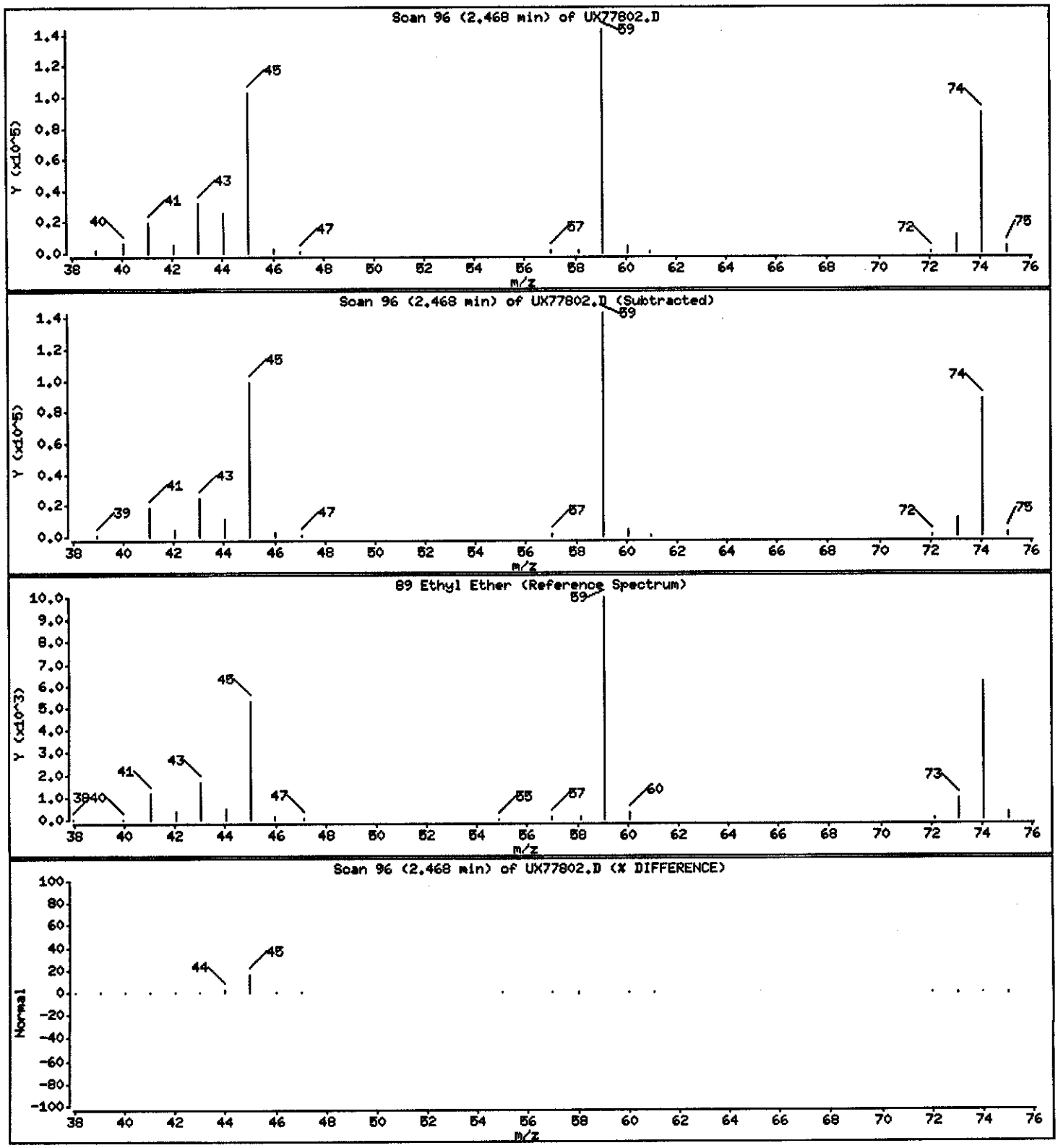
Client ID: MW508B/070904 Instrument: a3ux7.i

Sample Info: GKVQE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

89 Ethyl Ether Concentration: 15.899 ug/L



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Date : 19-JUL-2004 18:42

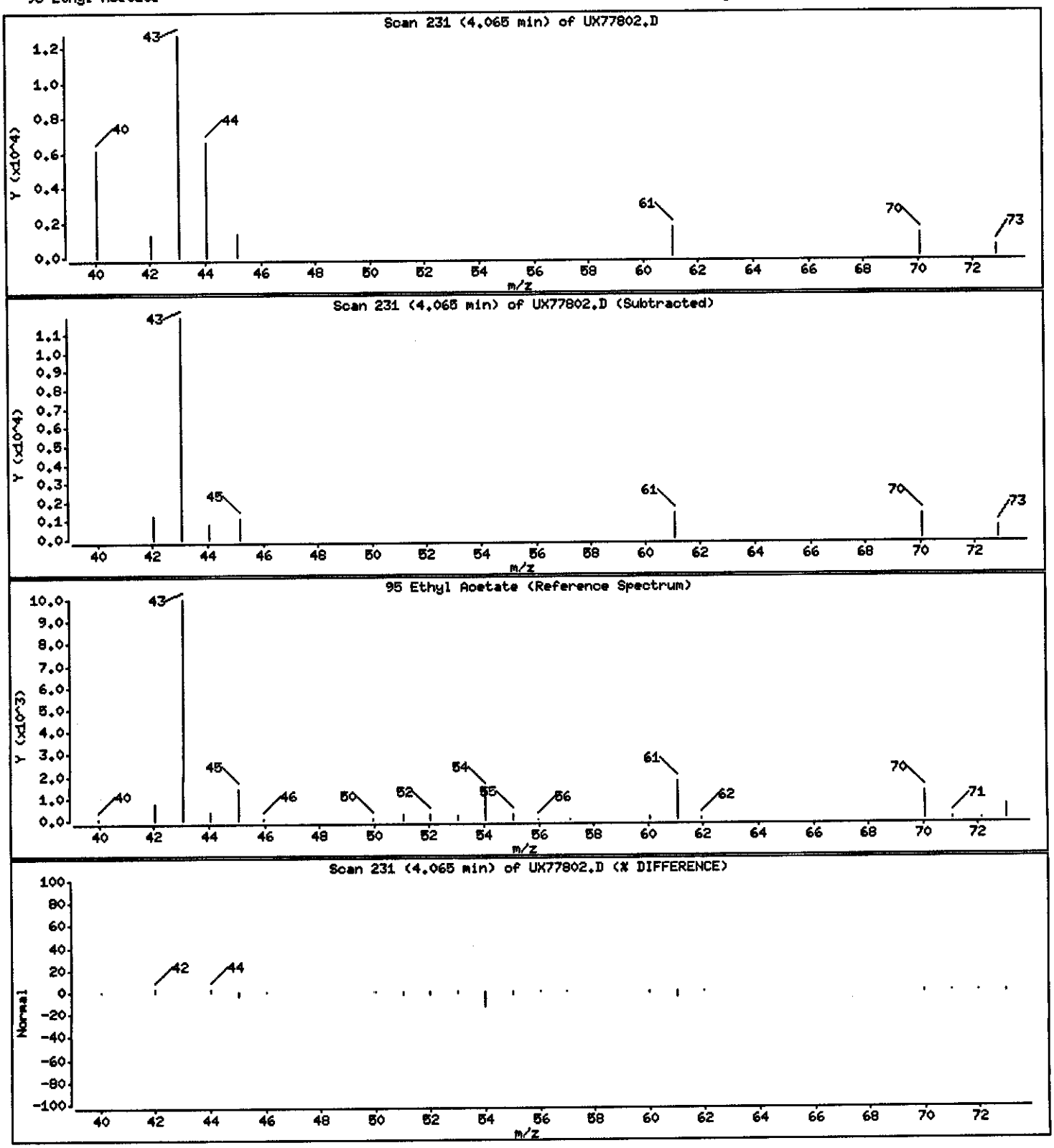
Client ID: MW508B/070904 Instrument: a3ux7.i

Sample Info: GKVQE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

95 Ethyl Acetate Concentration: 1.478 ug/L



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Date : 19-JUL-2004 18:42

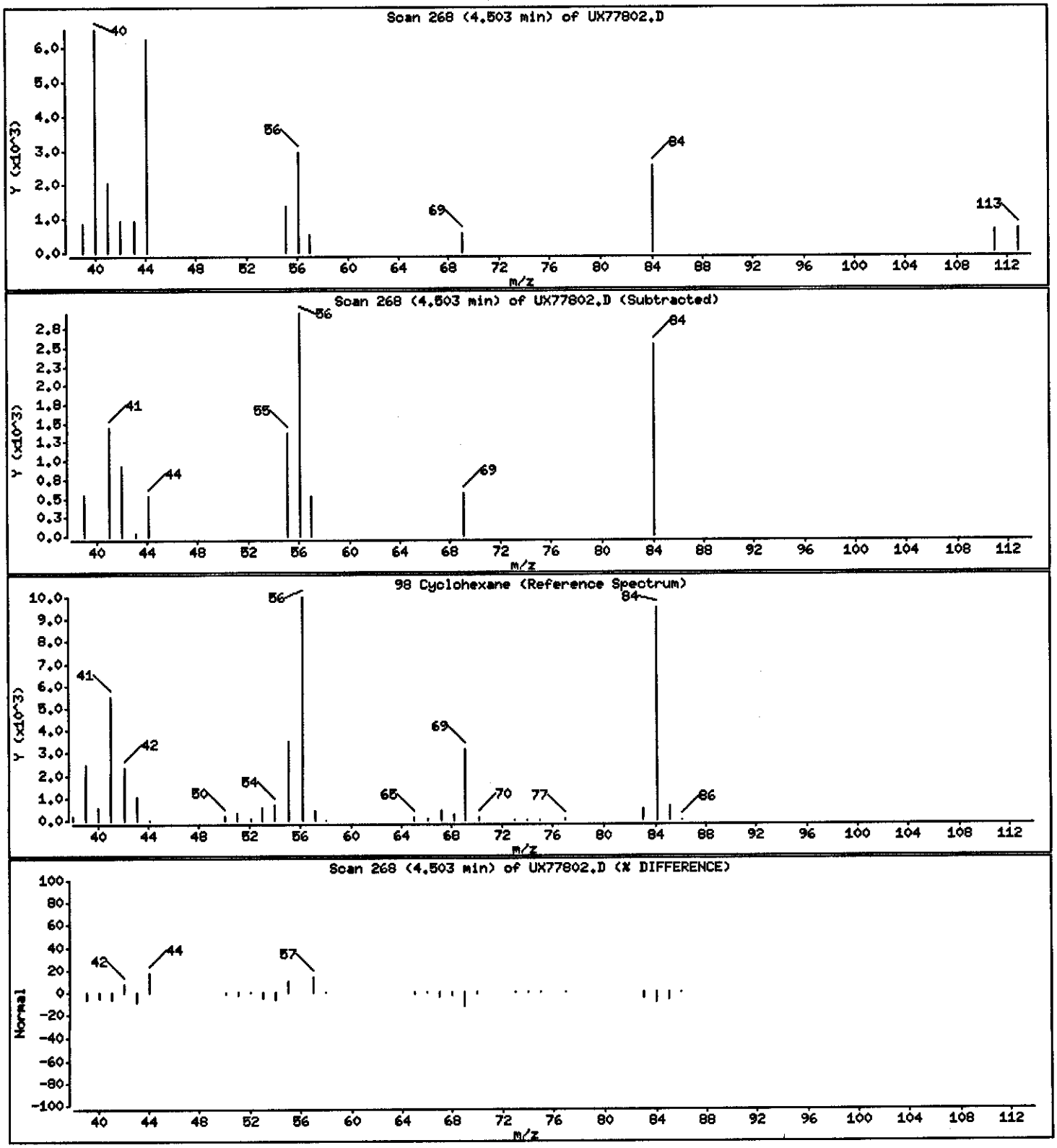
Client ID: MW508B/070904 Instrument: a3ux7.i

Sample Info: GKVQE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

98 Cyclohexane Concentration: 0.1872 ug/L



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Date : 19-JUL-2004 18:42

Client ID: MW508B/070904

Instrument: a3ux7.i

Sample Info: GKVQE1AA,5ML/5ML

Purge Volume: 5.0

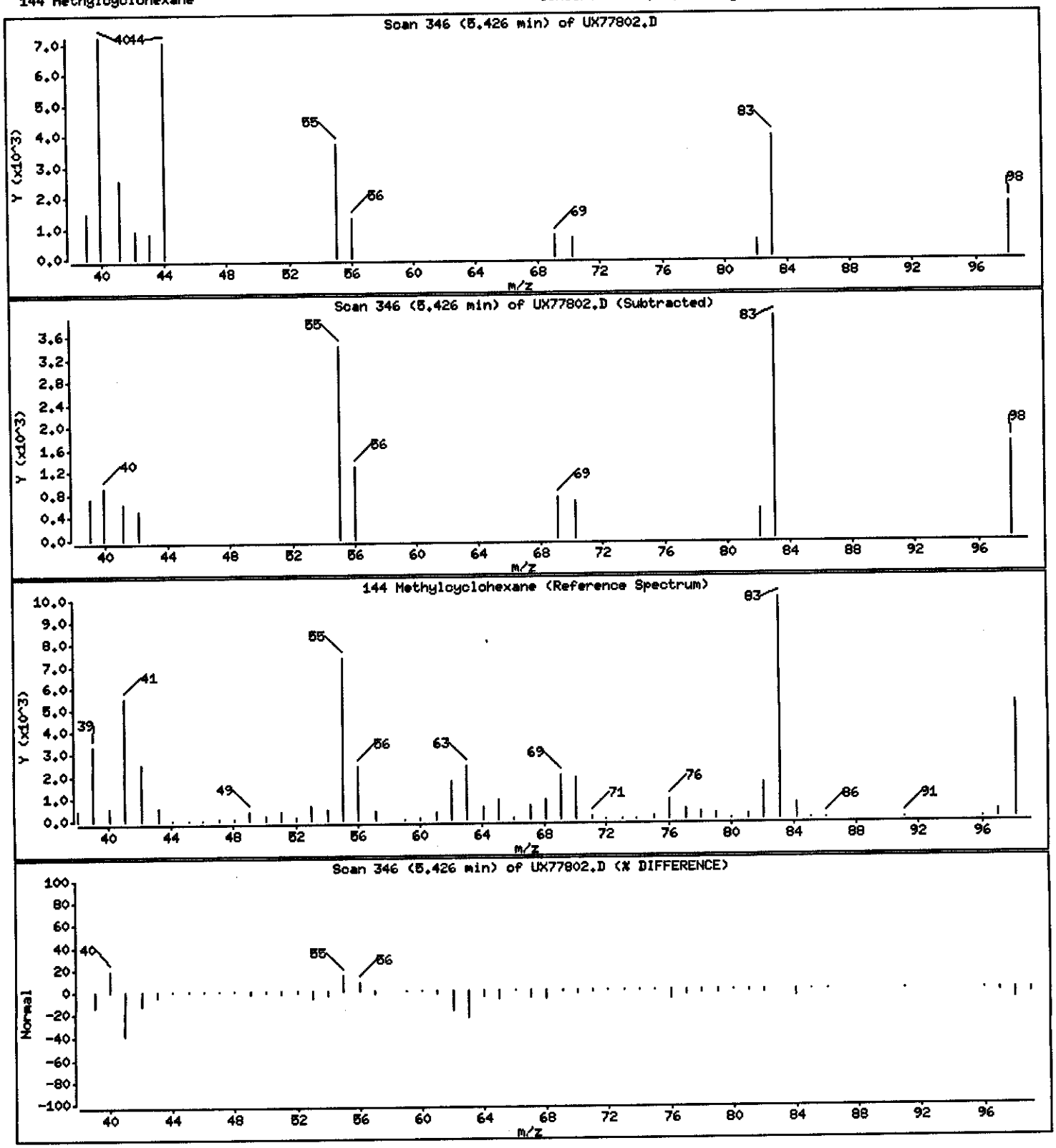
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

144 Methylcyclohexane

Concentration: 0.2274 ug/L



PAYNE FIRM INC.

Client Sample ID: MW506/070904

GC/MS Volatiles

Lot-Sample #...: A4G100202-013 **Work Order #...:** GKVQG1AA **Matrix.....:** WG
Date Sampled...: 07/09/04 11:17 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202123
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	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW506/070904

GC/MS Volatiles

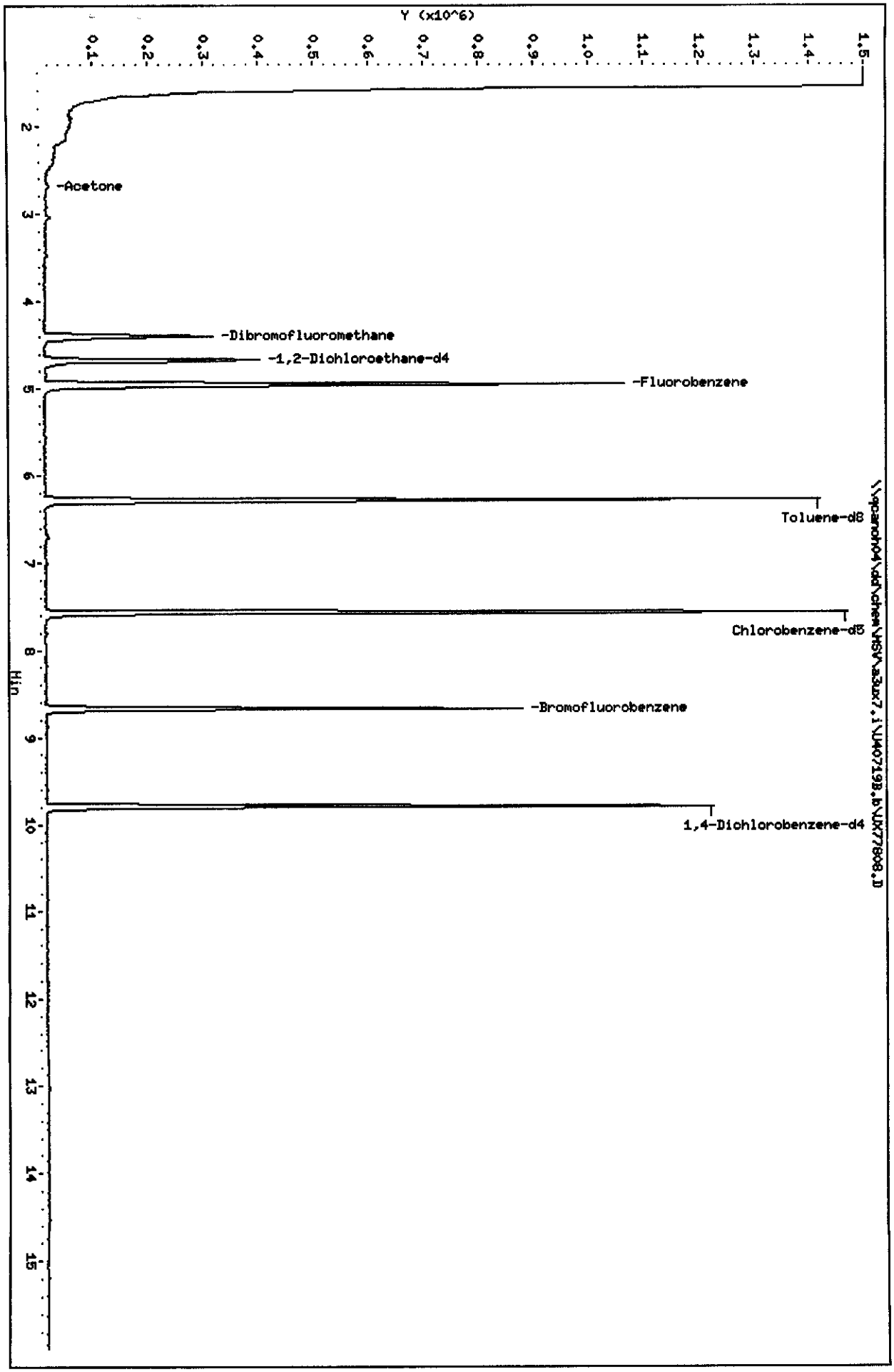
Lot-Sample #...: A4G100202-013 **Work Order #...:** GKVQG1AA **Matrix.....:** WG

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
Toluene-d8	92	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 19-JUL-2004 21:30
Client ID: HW506/070904
Sample Info: GKVQG1A0,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Acetone
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\HSV\a3ux7.i\U407198.b\UX77808.D
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77808.D
Report Date: 20-Jul-2004 10:01

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77808.D
Lab Smp Id: GKVQG1AA Client Smp ID: MW506/070904
Inj Date : 19-JUL-2004 21:30
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GKVQG1AA,5ML/5ML
Misc Info : U40719B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 08:40 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 35
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	4.954	4.952	(1.000)	1183594	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.567	(1.000)	831791	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.792	(1.000)	346129	50.0000	
$ 4 Dibromofluoromethane	113	4.398	4.396	(0.888)	247075	47.3340	9.467
$ 5 1,2-Dichloroethane-d4	65	4.670	4.668	(0.943)	367305	46.3015	9.260
$ 6 Toluene-d8	98	6.279	6.277	(0.830)	1033946	45.9079	9.182
$ 7 Bromofluorobenzene	95	8.670	8.667	(1.145)	365344	42.0135	8.403
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	2.682	2.680	(0.541)	19896	6.39208	1.278
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77808.D
Report Date: 20-Jul-2004 10:01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	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\U40719B.b\UX77808.D
Report Date: 20-Jul-2004 10:01

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	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\U40719B.b\UX77808.D

Date : 19-JUL-2004 21:30

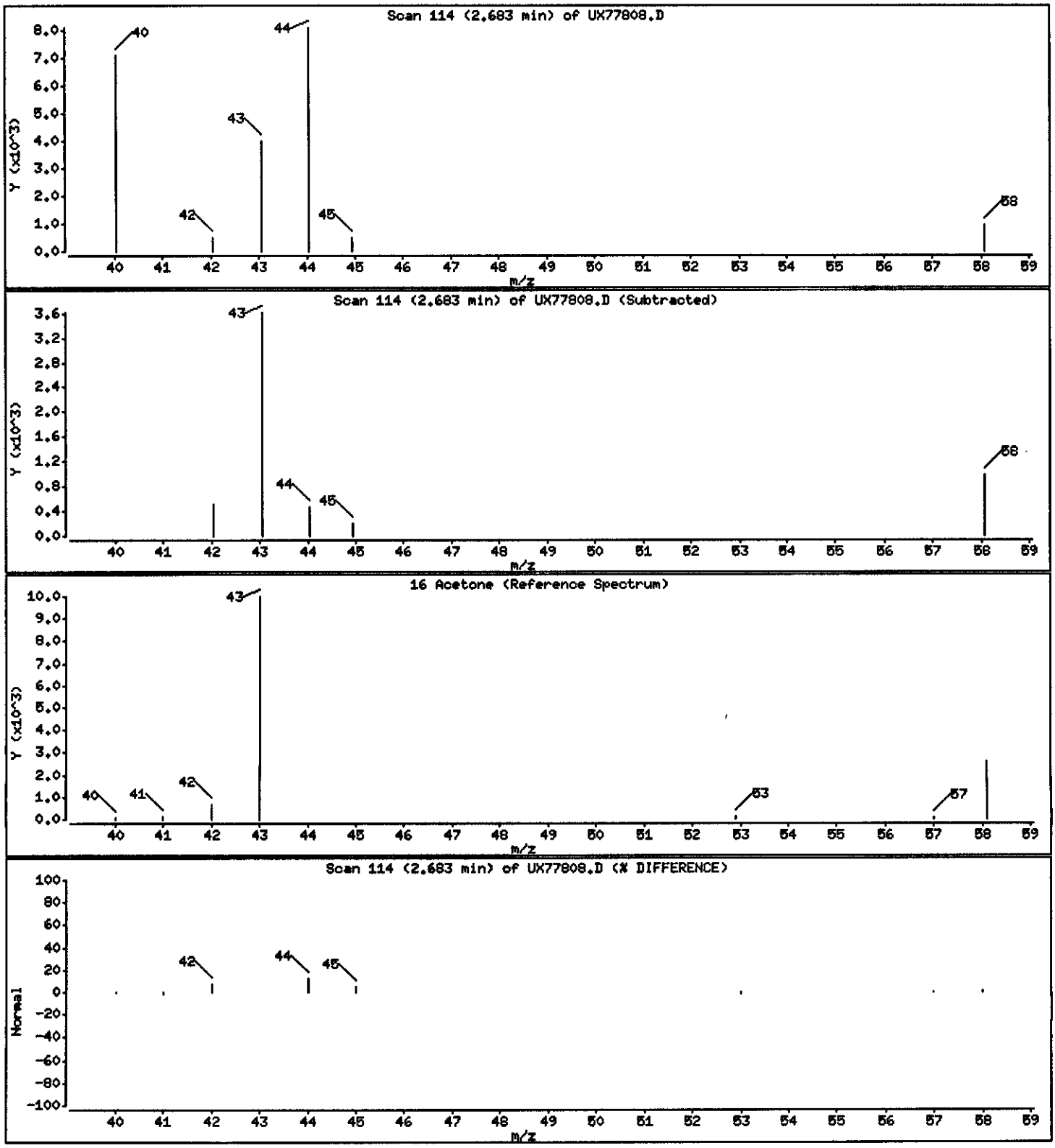
Client ID: MW506/070904 Instrument: a3ux7.i

Sample Info: GKVQG1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 1.278 ug/L



PAYNE FIRM INC.

Client Sample ID: DW001/070904

GC/MS Volatiles

Lot-Sample #...: A4G100202-014 **Work Order #...:** GKVQR1AA **Matrix.....:** WG
Date Sampled...: 07/09/04 12:05 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202123
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**11**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	**1.5**	**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	**0.24 J**	**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: DW001/070904

GC/MS Volatiles

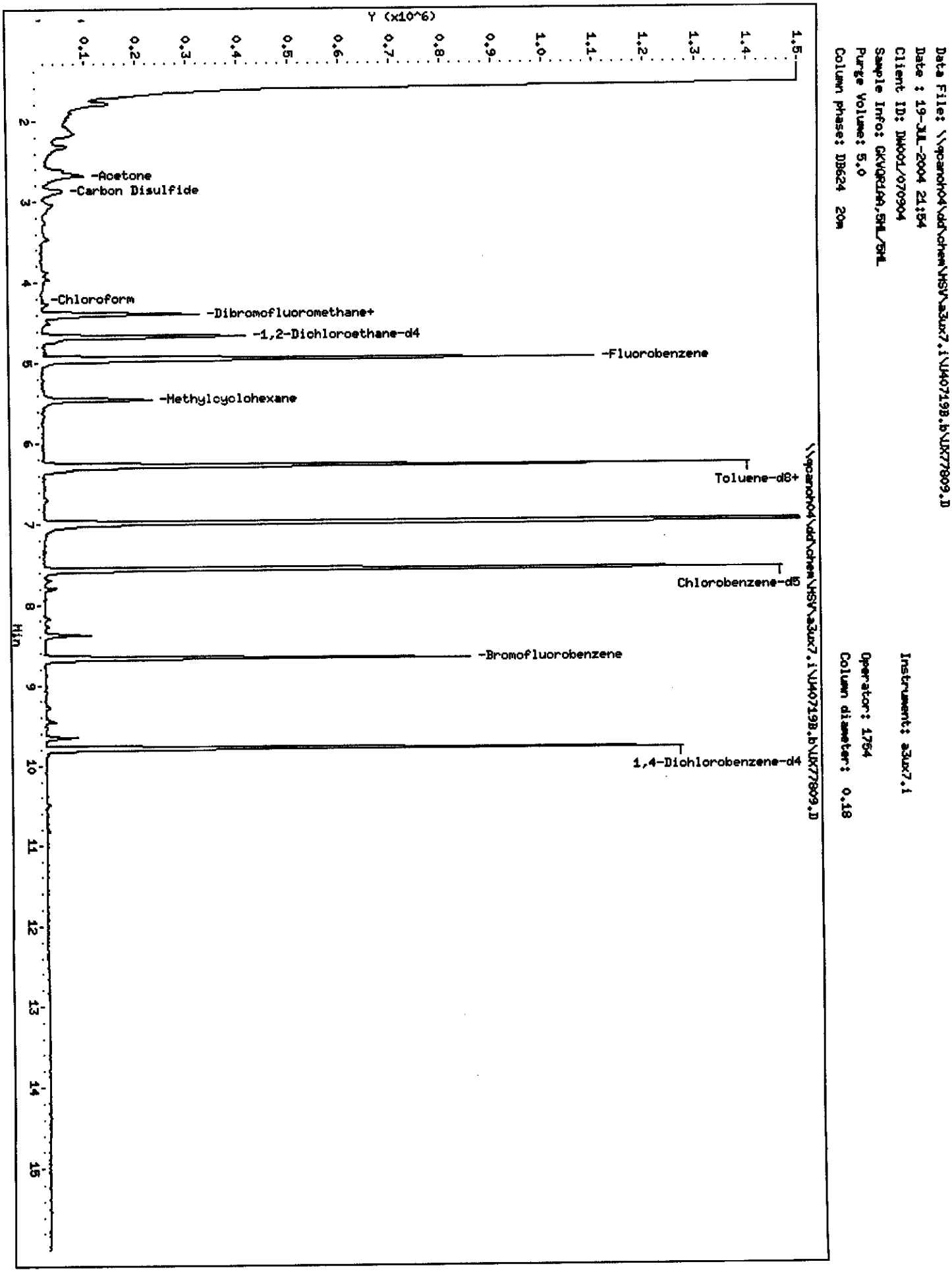
Lot-Sample #...: A4G100202-014 **Work Order #...:** GKVQR1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.29 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	93	(73 - 122)
1,2-Dichloroethane-d4	89	(61 - 128)
Toluene-d8	89	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 19-JUL-2004 21:54
Client ID: DW001/070904
Sample Info: GKVQR1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Acetone
-Carbon Disulfide
-Chloroform
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
-Fluorobenzene
-Methylcyclohexane
Toluene-d8+
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77809.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77809.D
Report Date: 20-Jul-2004 10:02

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77809.D
Lab Smp Id: GKVQR1AA Client Smp ID: DW001/070904
Inj Date : 19-JUL-2004 21:54
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GKVQR1AA,5ML/5ML
Misc Info : U40719B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 08:40 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 36
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	4.943	4.952	(1.000)	1224876	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.567	(1.000)	848223	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.792	(1.000)	358647	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.396	(0.890)	252424	46.7290	9.346
$ 5 1,2-Dichloroethane-d4	65	4.671	4.668	(0.945)	367349	44.7464	8.949
$ 6 Toluene-d8	98	6.280	6.277	(0.830)	1026036	44.6742	8.935
$ 7 Bromofluorobenzene	95	8.670	8.667	(1.145)	361169	40.7288	8.146
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	2.683	2.680	(0.543)	205771	54.6179	10.924
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77809.D
Report Date: 20-Jul-2004 10:02

	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	2.872	2.869	(0.581)	151582	7.33437	1.467
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.268	4.266	(0.864)	14272	1.19375	0.2387
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.339	6.336	(0.837)	44156	1.44910	0.2898
	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\U40719B.b\UX77809.D
Report Date: 20-Jul-2004 10:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.505	4.502	(0.911)	12449	1.12280	0.2246(a)
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.440	5.437	(1.101)	10571	1.32294	0.2646
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\U40719B.b\UX77809.D

Date : 19-JUL-2004 21:54

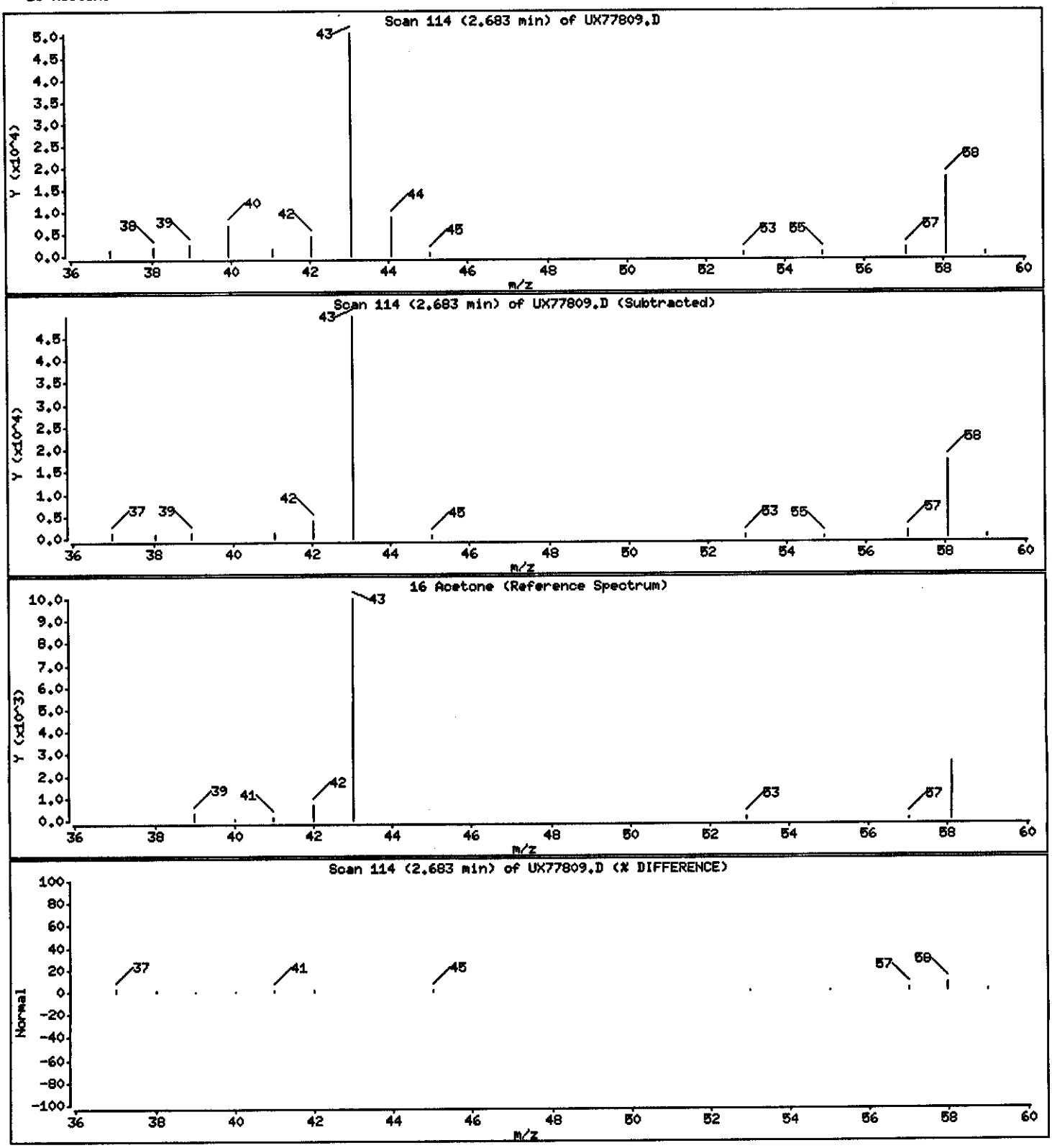
Client ID: DW001/070904 Instrument: a3ux7.i

Sample Info: GKVQR1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 10.924 ug/L



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Date : 19-JUL-2004 21:54

Client ID: DW001/070904

Instrument: a3ux7.i

Sample Info: GKVQR1AA,5ML/5ML

Purge Volume: 5.0

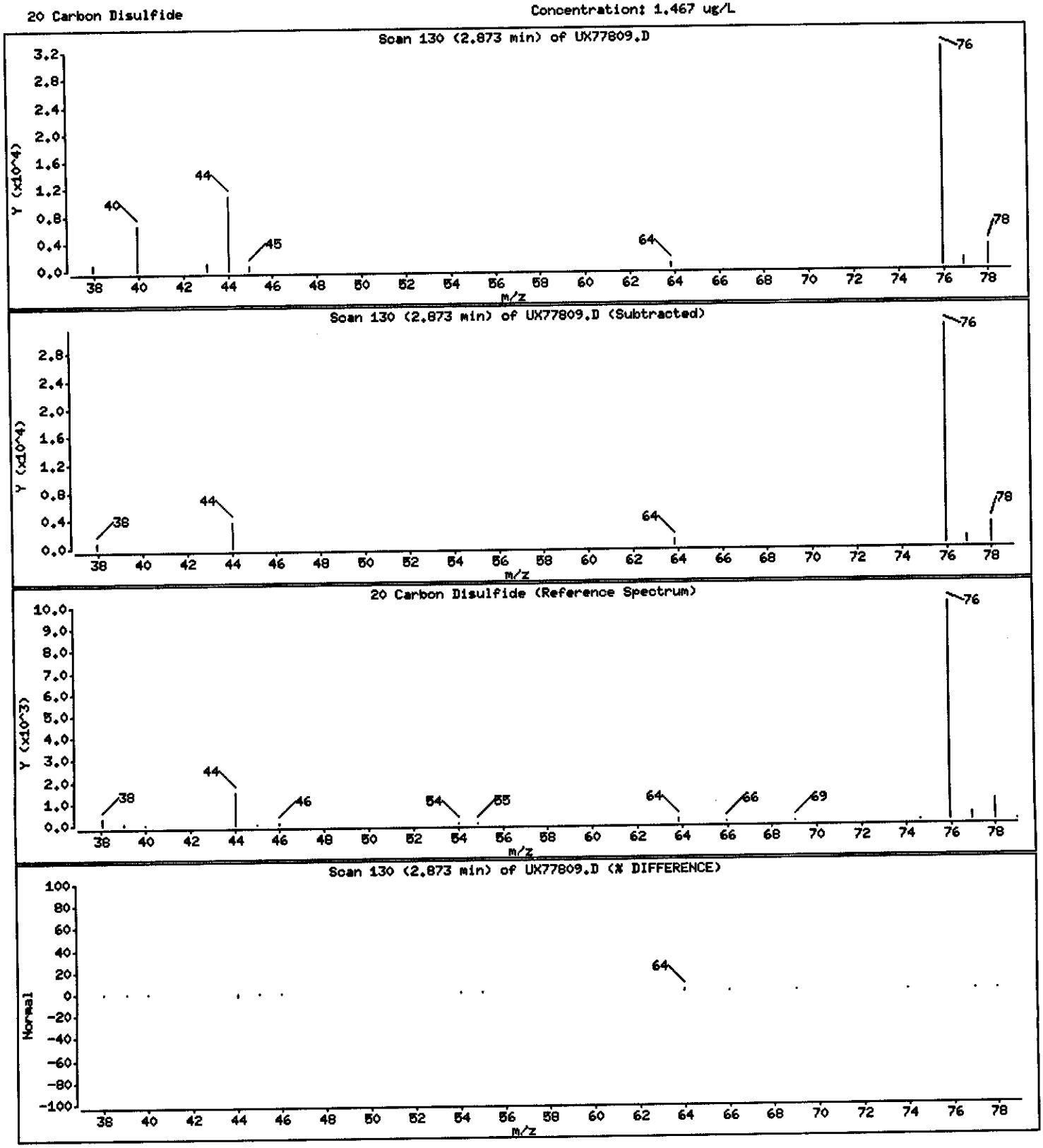
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

20 Carbon Disulfide

Concentration: 1.467 ug/L



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Date : 19-JUL-2004 21:54

Client ID: DW001/070904

Instrument: a3ux7.i

Sample Info: GKVQR1AA,5ML/5ML

Purge Volume: 5.0

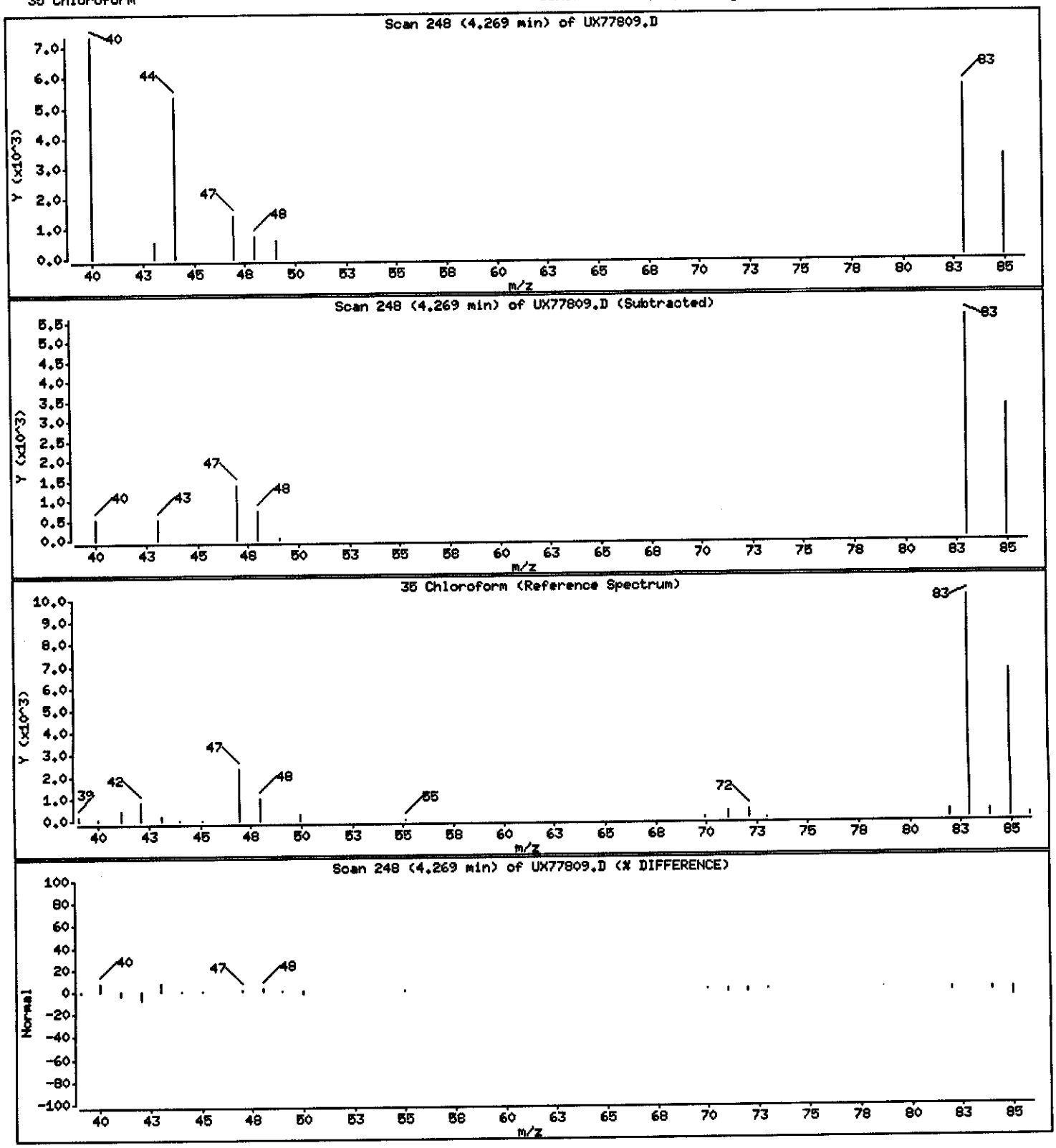
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

35 Chloroform

Concentration: 0.2387 ug/L



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Date : 19-JUL-2004 21:54

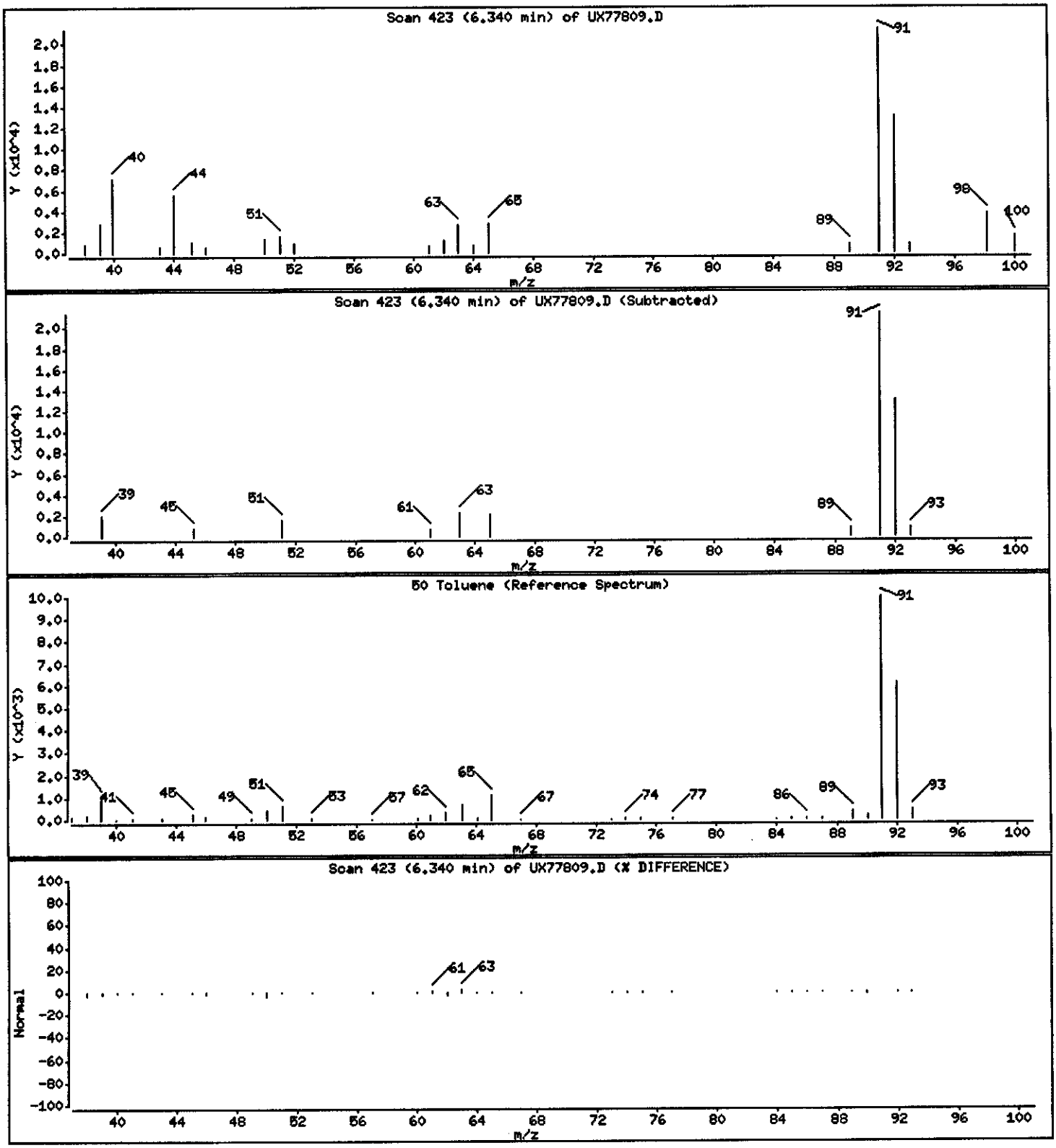
Client ID: DW001/070904 Instrument: a3ux7.i

Sample Info: GKVQR1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

50 Toluene Concentration: 0.2898 ug/L



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Date : 19-JUL-2004 21:54

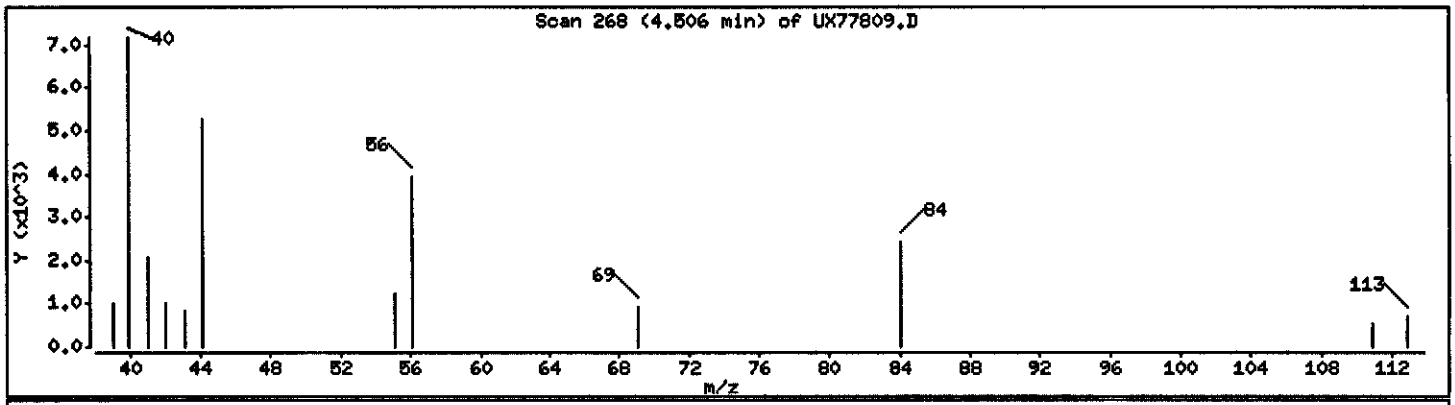
Client ID: DW001/070904 Instrument: a3ux7.i

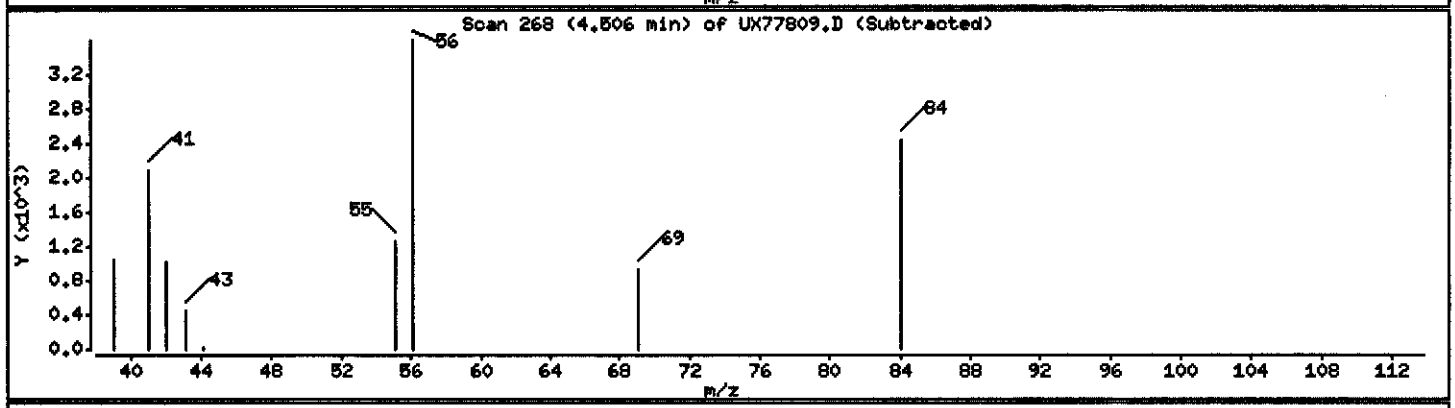
Sample Info: GKVQR1AA,5ML/5ML

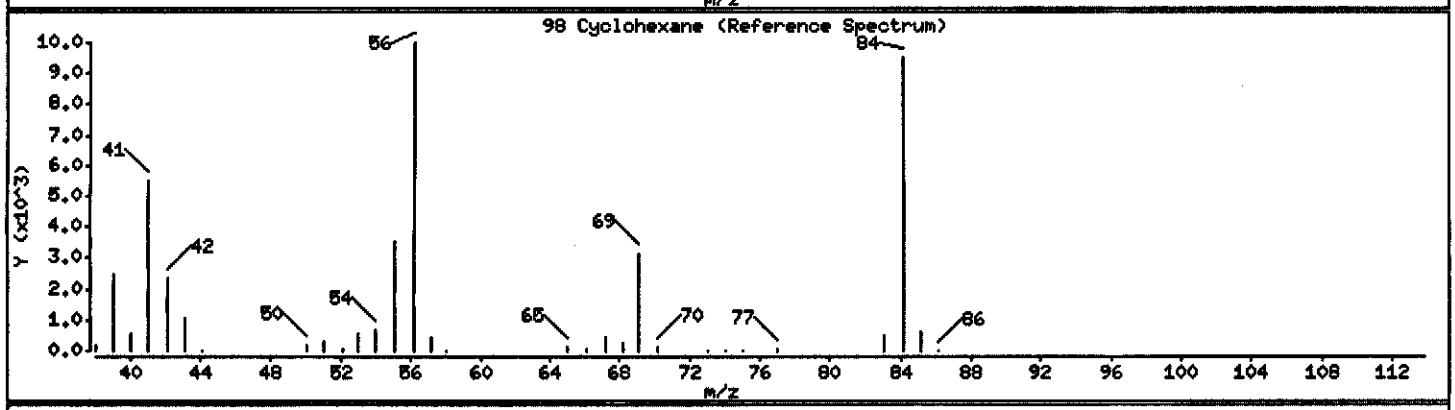
Purge Volume: 5.0 Operator: 1754

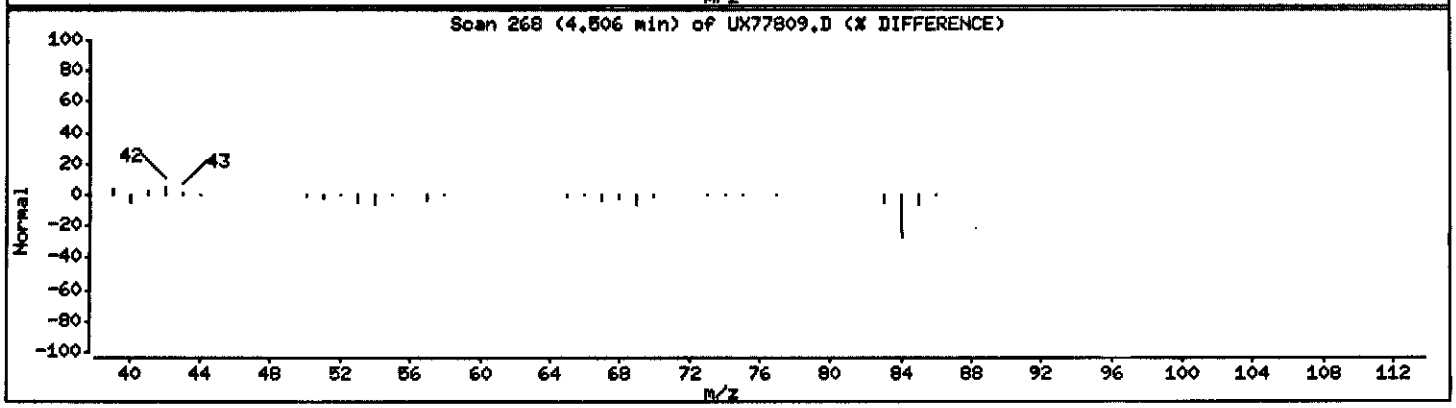
Column phase: DB624 20m Column diameter: 0.18

98 Cyclohexane Concentration: 0.2246 ug/L









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Date : 19-JUL-2004 21:54

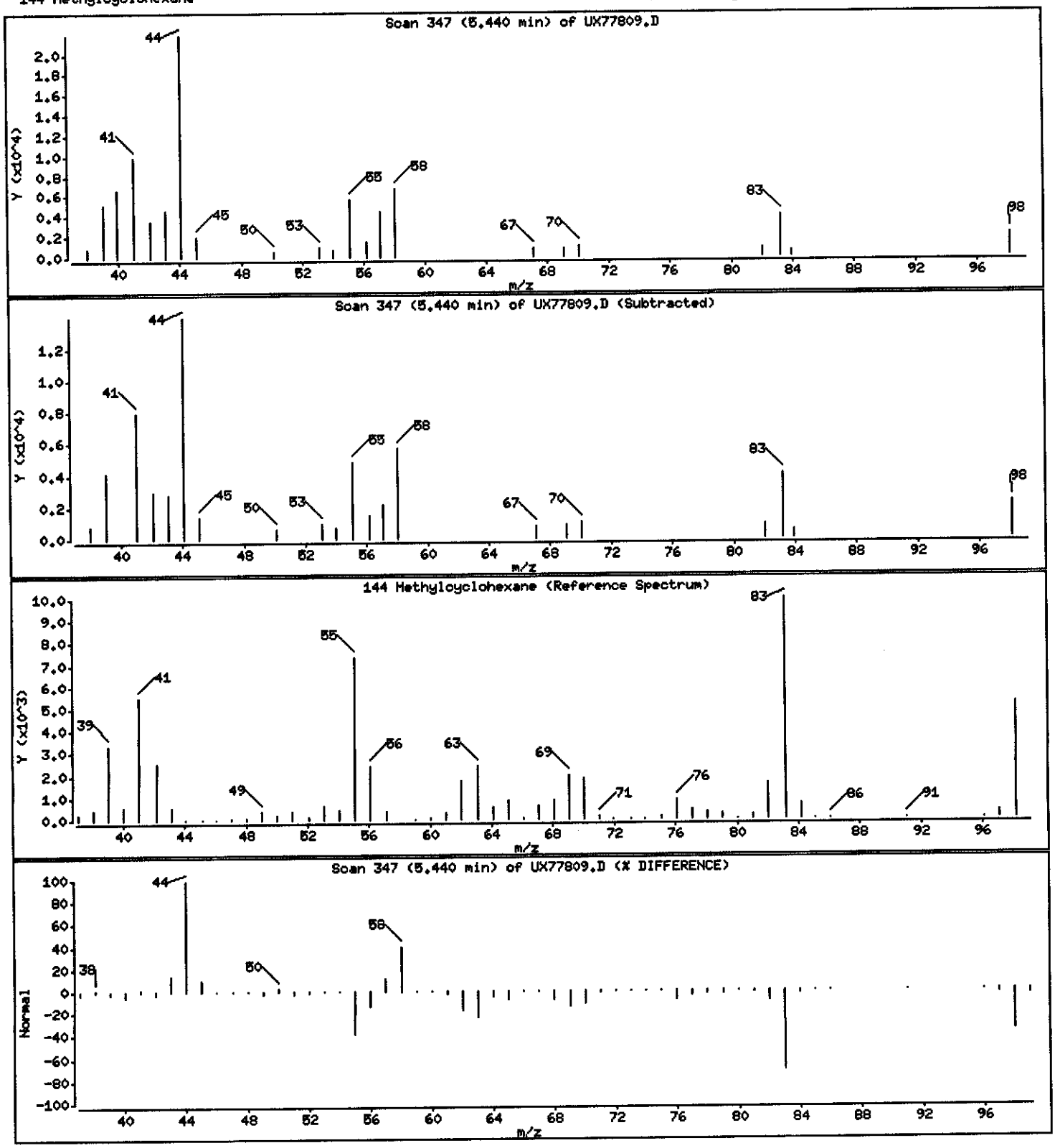
Client ID: DW001/070904 Instrument: a3ux7.i

Sample Info: GKVQR1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

144 Methylcyclohexane Concentration: 0.2646 ug/L



PAYNE FIRM INC.

Client Sample ID: DW002/070904

GC/MS Volatiles

Lot-Sample #...: A4G100202-015 **Work Order #...:** GKVQW1AA **Matrix.....:** WG
Date Sampled...: 07/09/04 12:05 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202123
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**6.5 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	**0.71 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	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: DW002/070904

GC/MS Volatiles

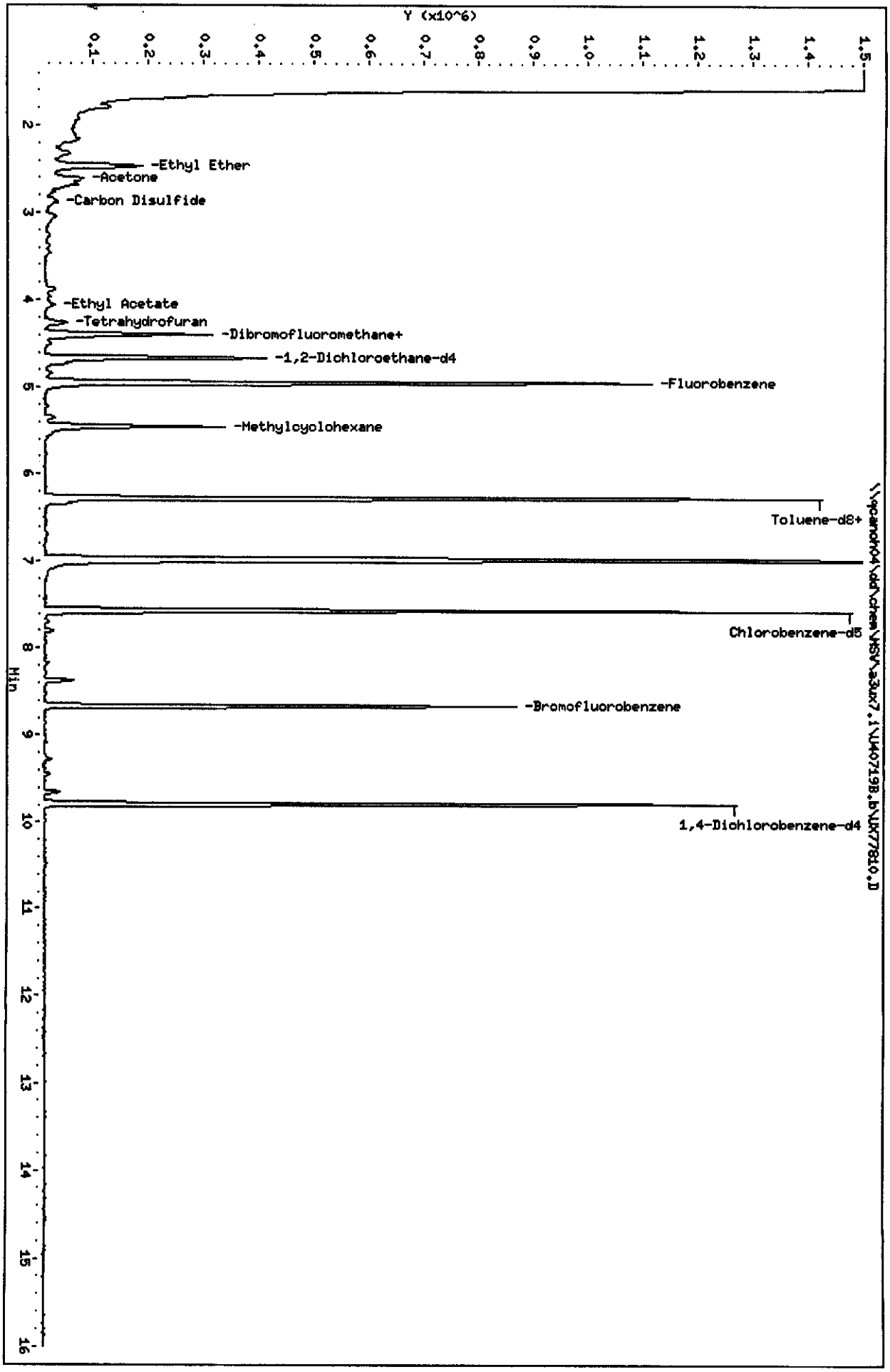
Lot-Sample #...: A4G100202-015 **Work Order #...:** GKVQW1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.21 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	92	(73 - 122)
1,2-Dichloroethane-d4	91	(61 - 128)
Toluene-d8	90	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 19-JUL-2004 22:17
Client ID: DW002/070904
Sample Info: CKVQW1A0,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Ethyl Ether
-Acetone
-Carbon Disulfide
-Ethyl Acetate
-Tetrahydrofuran
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
-Fluorobenzene
-Methylcyclohexane
Toluene-d8+
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanon04\dd\chem\HSV\a3ux7.i\U407198.b\UX77810.D
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77810.D
Report Date: 20-Jul-2004 10:03

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77810.D
Lab Smp Id: GKVQW1AA Client Smp ID: DW002/070904
Inj Date : 19-JUL-2004 22:17
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GKVQW1AA,5ML/5ML
Misc Info : U40719B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 08:40 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 37
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	4.952	(1.000)	1195492	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.567	(1.000)	838559	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	355022	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	242148	45.9285	9.186
$ 5 1,2-Dichloroethane-d4	65	4.669	4.668	(0.943)	363981	45.4259	9.085
$ 6 Toluene-d8	98	6.278	6.277	(0.830)	1016833	44.7837	8.957
$ 7 Bromofluorobenzene	95	8.668	8.667	(1.145)	359118	40.9642	8.193
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	2.681	2.680	(0.541)	121000	32.7342	6.547
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77810.D
Report Date: 20-Jul-2004 10:03

	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	2.882	2.869	(0.582)	71985	3.56864	0.7137
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.266	4.254	(0.861)	32422	13.5519	2.710
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.337	6.336	(0.837)	31286	1.03857	0.2077
	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\U40719B.b\UX77810.D
Report Date: 20-Jul-2004 10:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	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	2.468	2.467	(0.498)	174510	30.3976	6.080
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	4.065	4.052	(0.821)	45021	6.61336	1.323
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	4.515	4.502	(0.912)	8069	0.74565	0.1491(a)
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.438	5.437	(1.098)	8397	1.07670	0.2153
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).

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Date : 19-JUL-2004 22:17

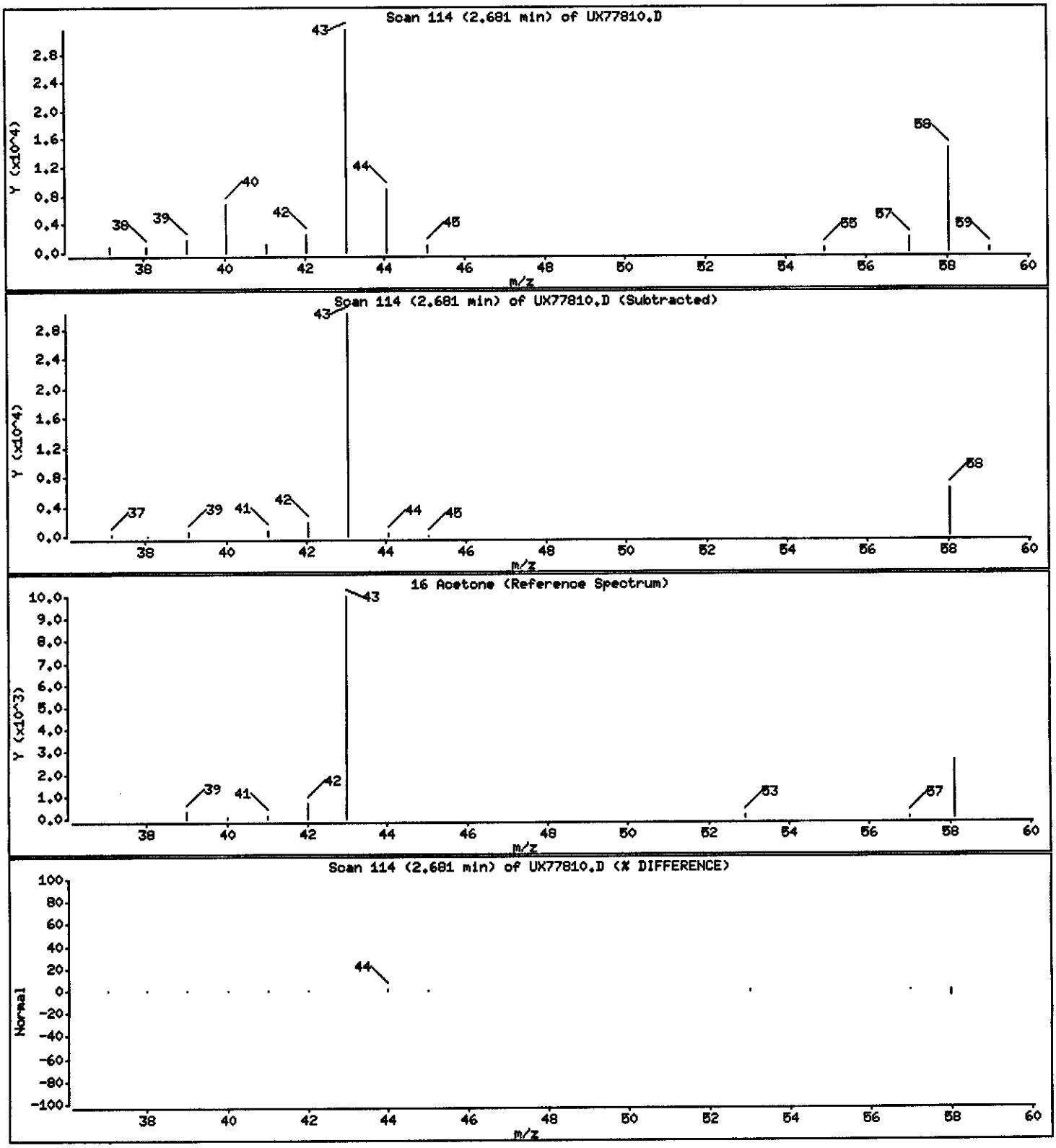
Client ID: DW002/070904 Instrument: a3ux7.i

Sample Info: GKVQW1AA,5HL/5HL

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 6.547 ug/L



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Date : 19-JUL-2004 22:17

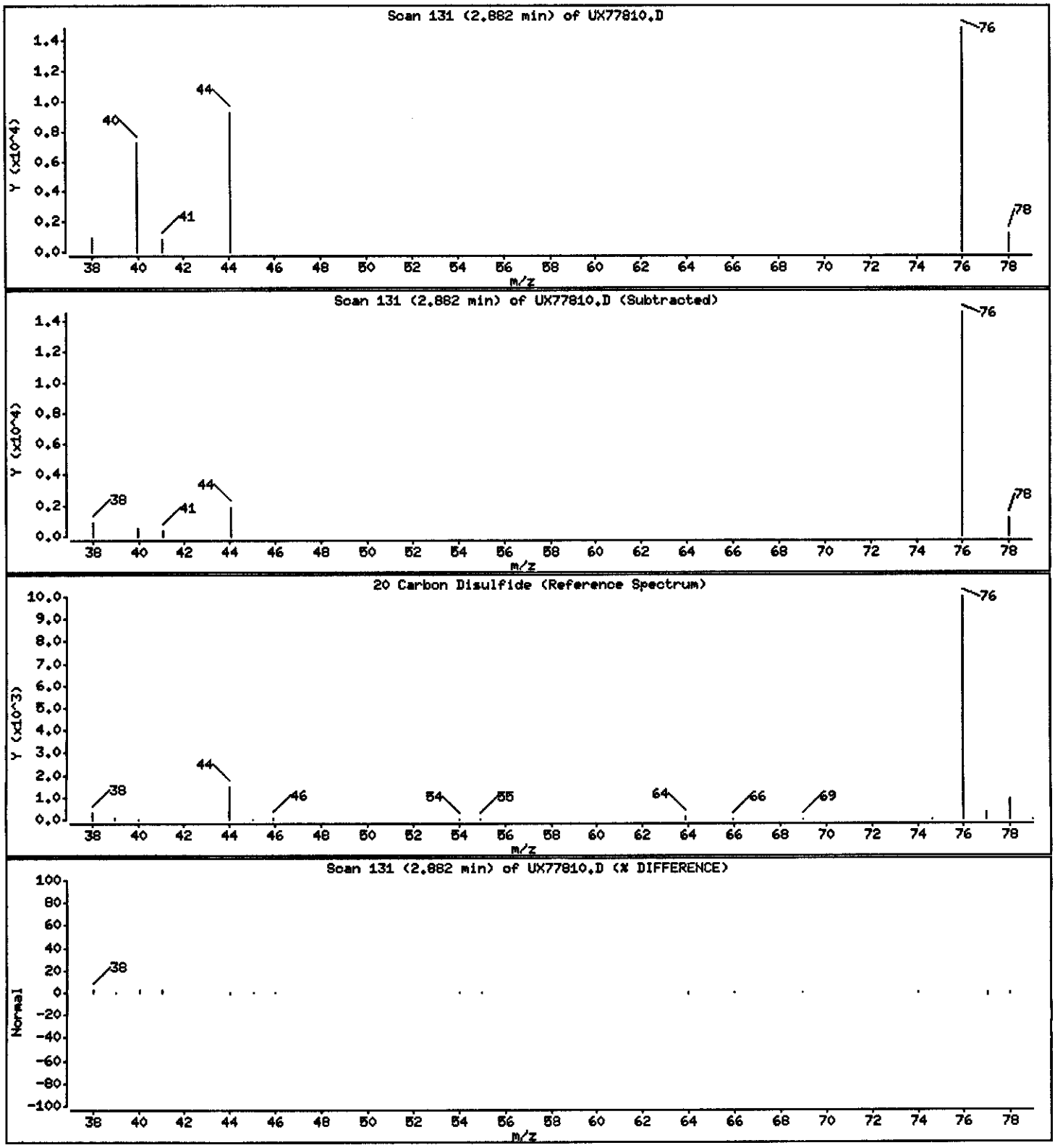
Client ID: DW002/070904 Instrument: a3ux7.i

Sample Info: GKVQW1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.7137 ug/L



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Date : 19-JUL-2004 22:17

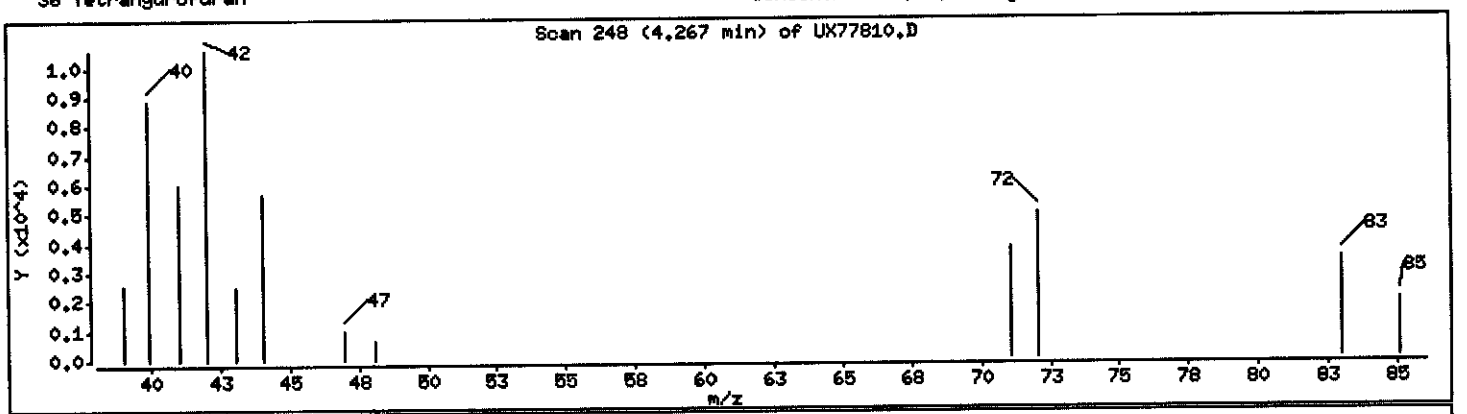
Client ID: DW002/070904 Instrument: a3ux7.i

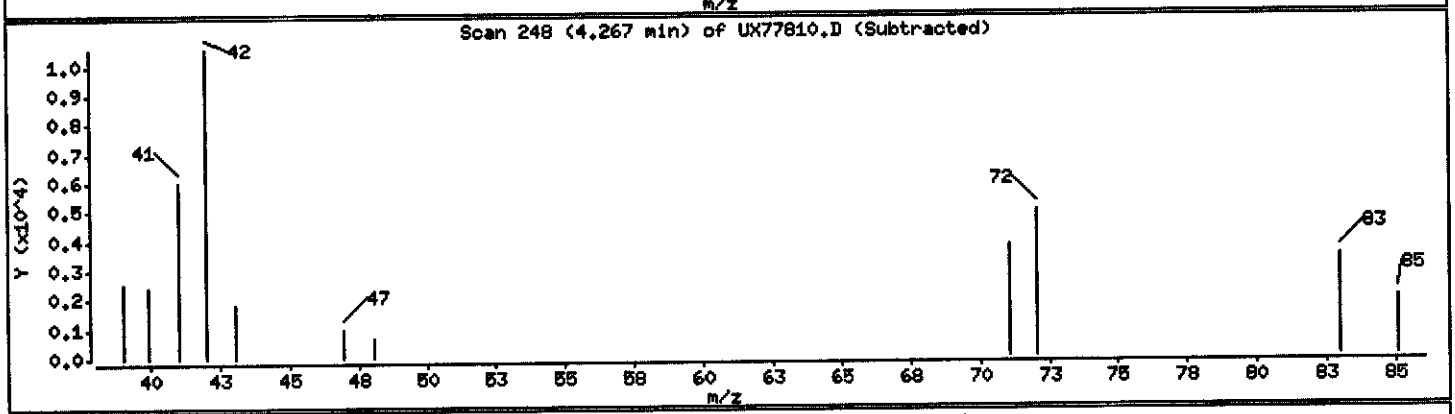
Sample Info: GKVQW1AA,5ML/5ML

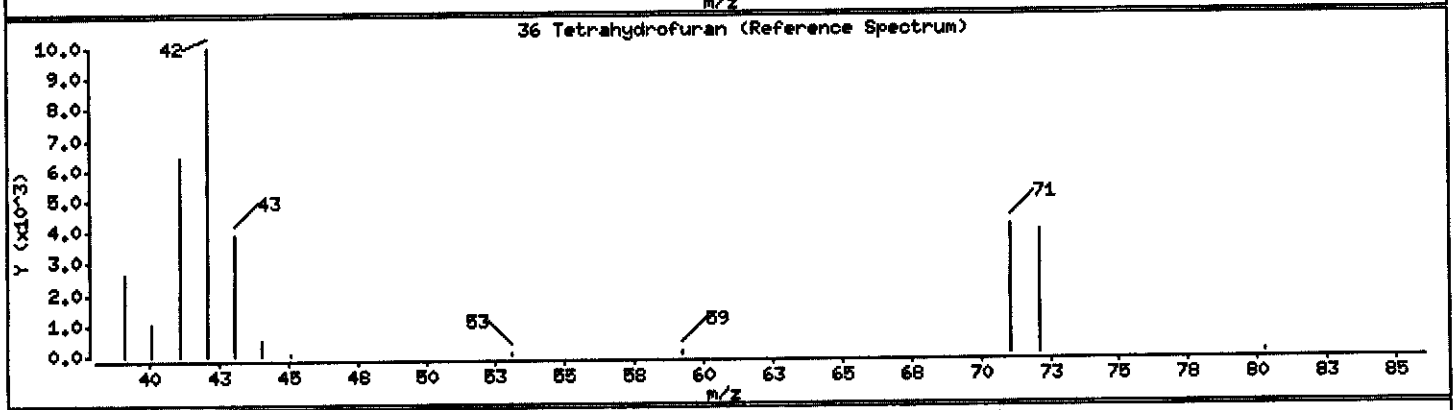
Purge Volume: 5.0 Operator: 1754

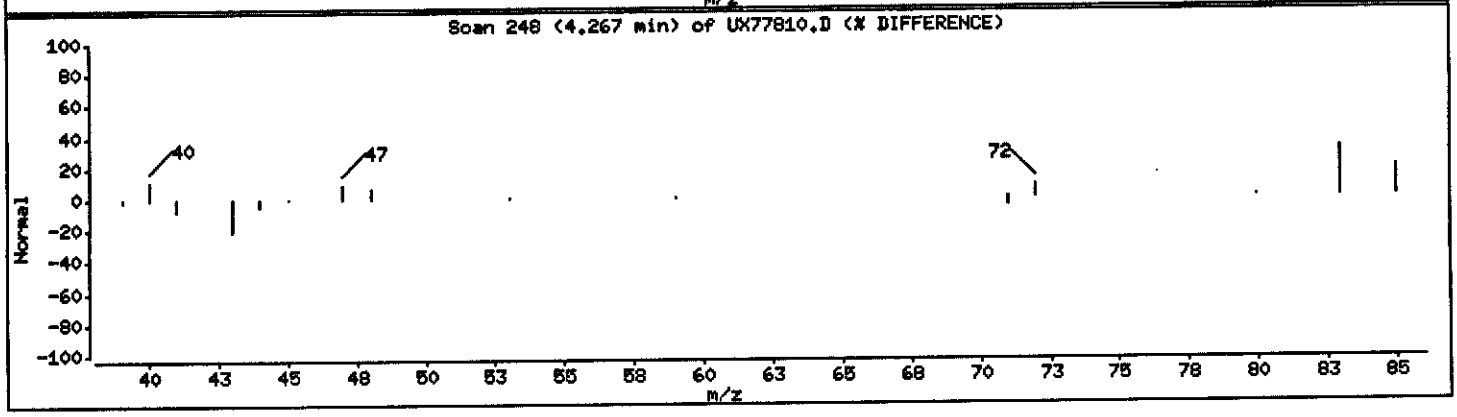
Column phase: DB624 20m Column diameter: 0.18

36 Tetrahydrofuran Concentration: 2.710 ug/L









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Date : 19-JUL-2004 22:17

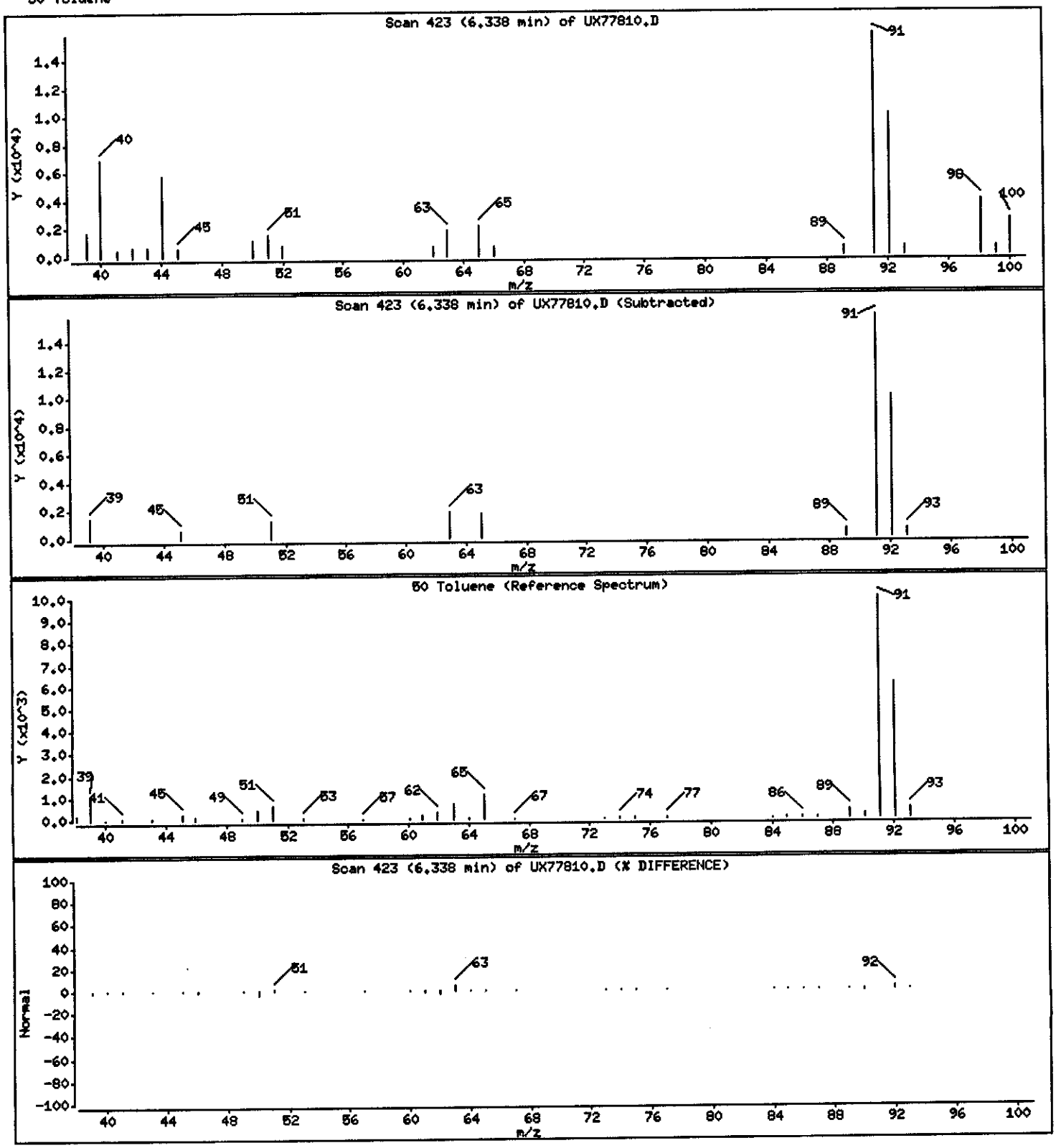
Client ID: DW002/070904 Instrument: a3ux7.i

Sample Info: GKVQW1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

50 Toluene Concentration: 0.2077 ug/L



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Date : 19-JUL-2004 22:17

Client ID: DW002/070904

Instrument: a3ux7.i

Sample Info: GKVQW1AA,5ML/5ML

Purge Volume: 5.0

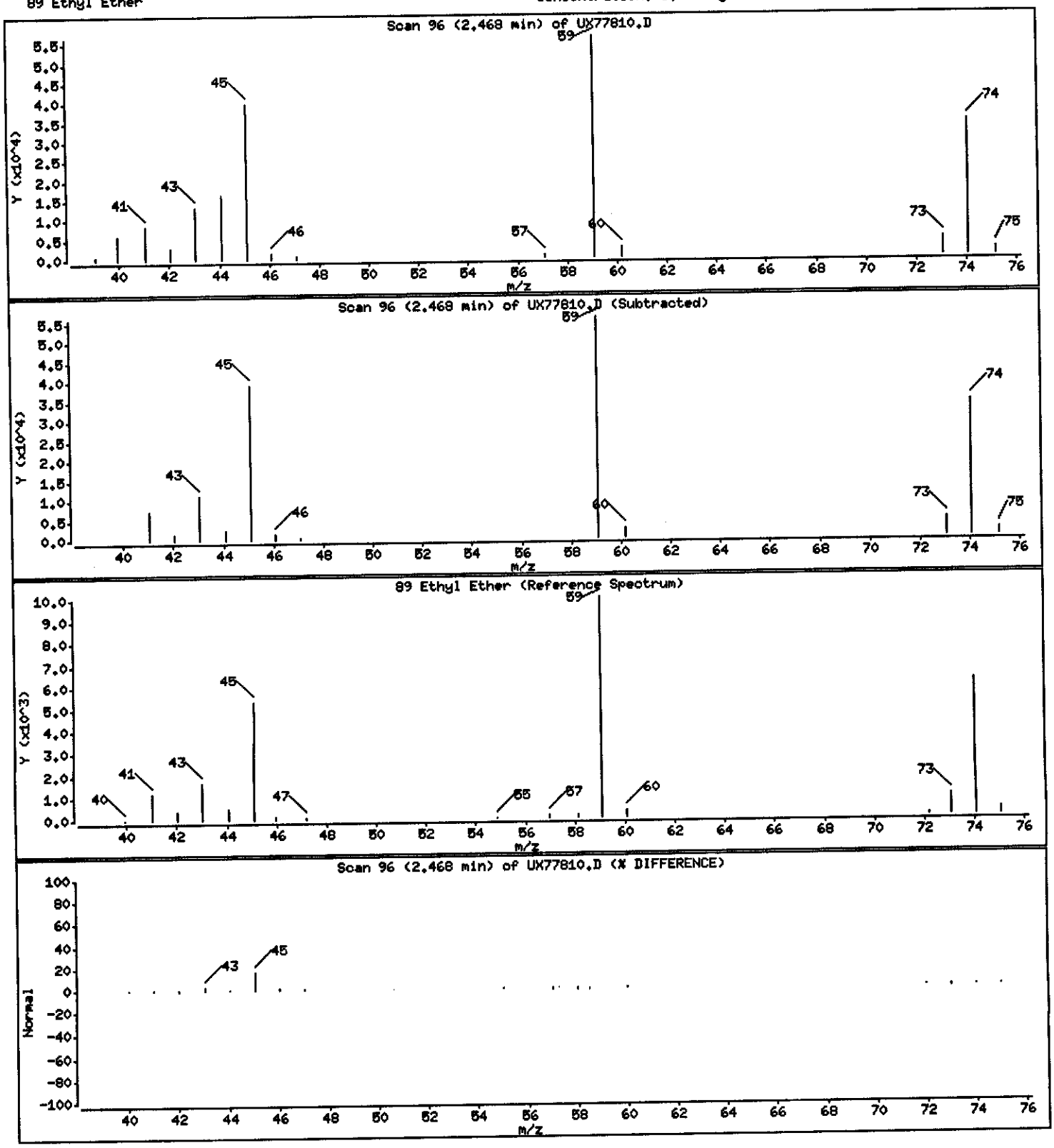
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

89 Ethyl Ether

Concentration: 6.080 ug/L



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Date : 19-JUL-2004 22:17

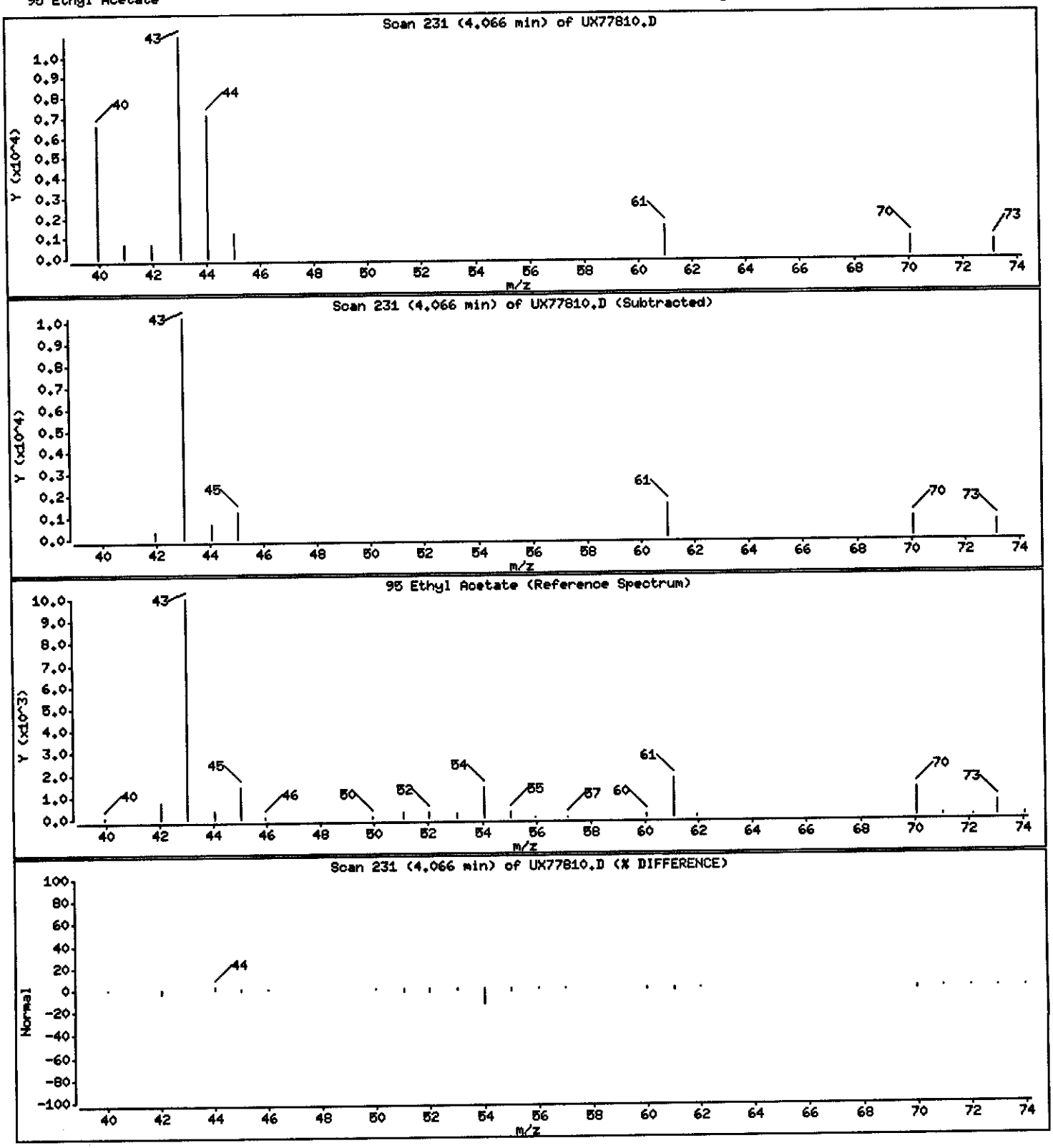
Client ID: DW002/070904 Instrument: a3ux7.i

Sample Info: GKVQW1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

95 Ethyl Acetate Concentration: 1.323 ug/L



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Date : 19-JUL-2004 22:17

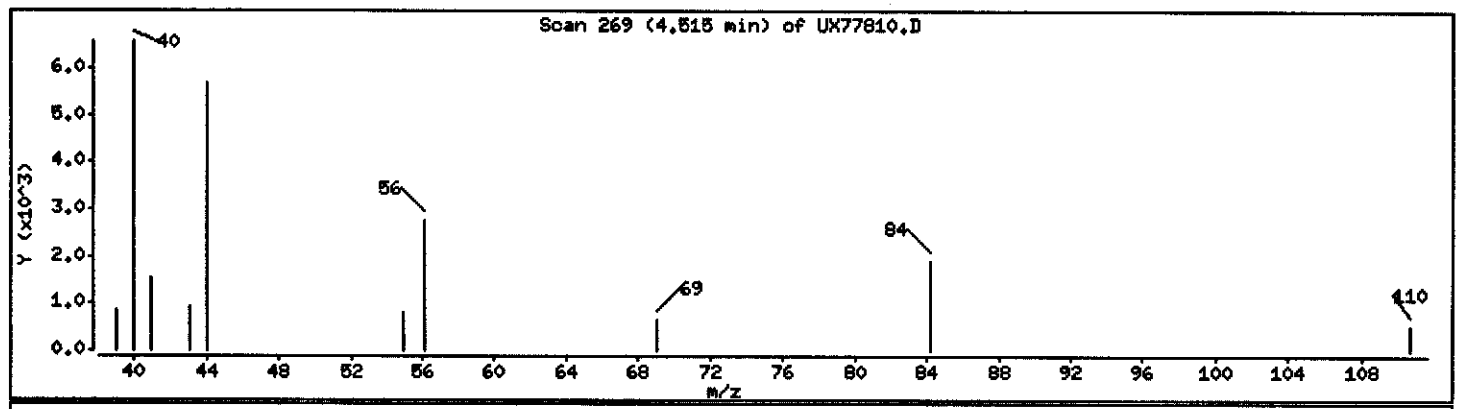
Client ID: DW002/070904 Instrument: a3ux7.i

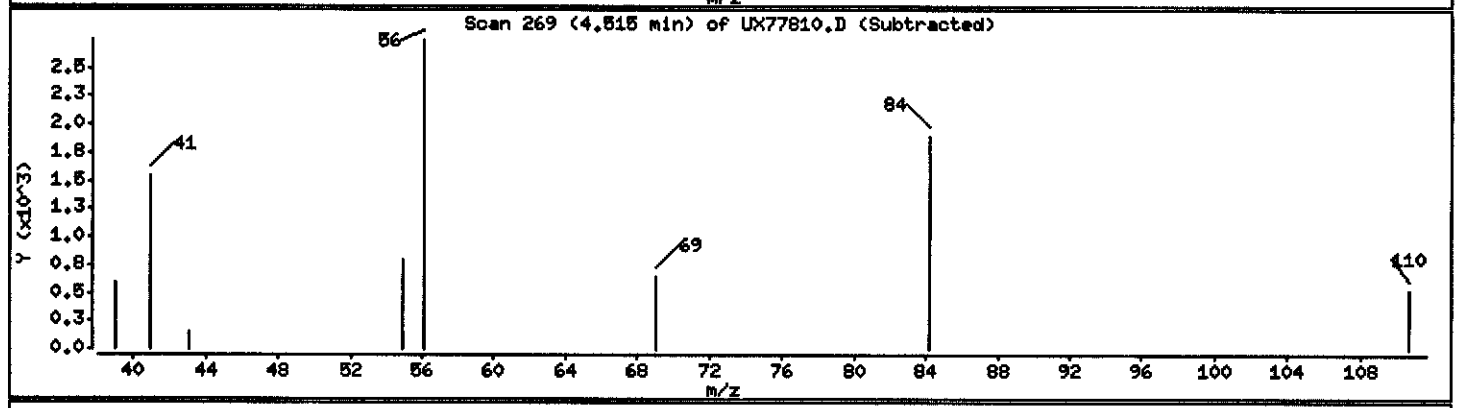
Sample Info: GKVQW1AA,5ML/5ML

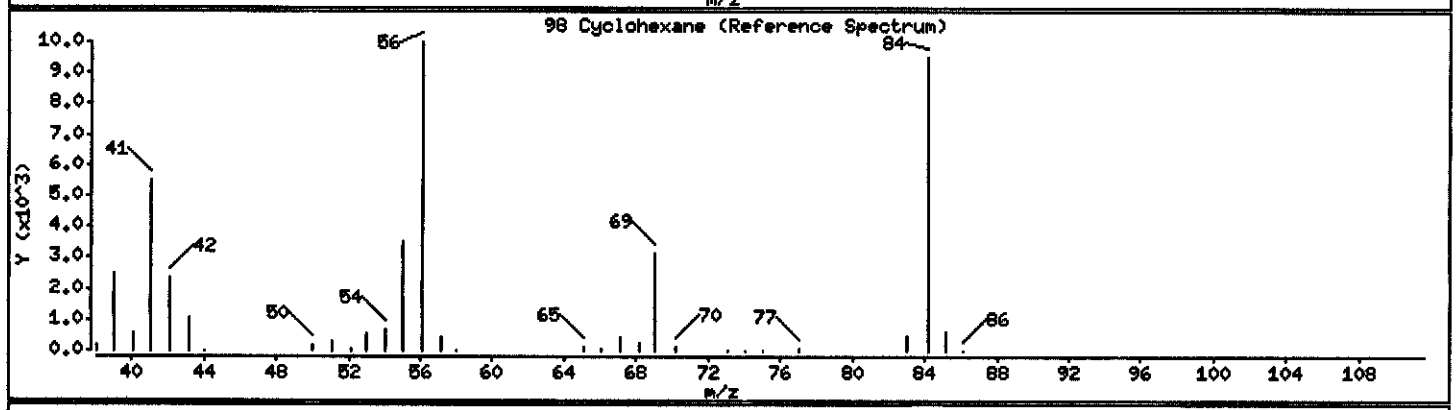
Purge Volume: 5.0 Operator: 1754

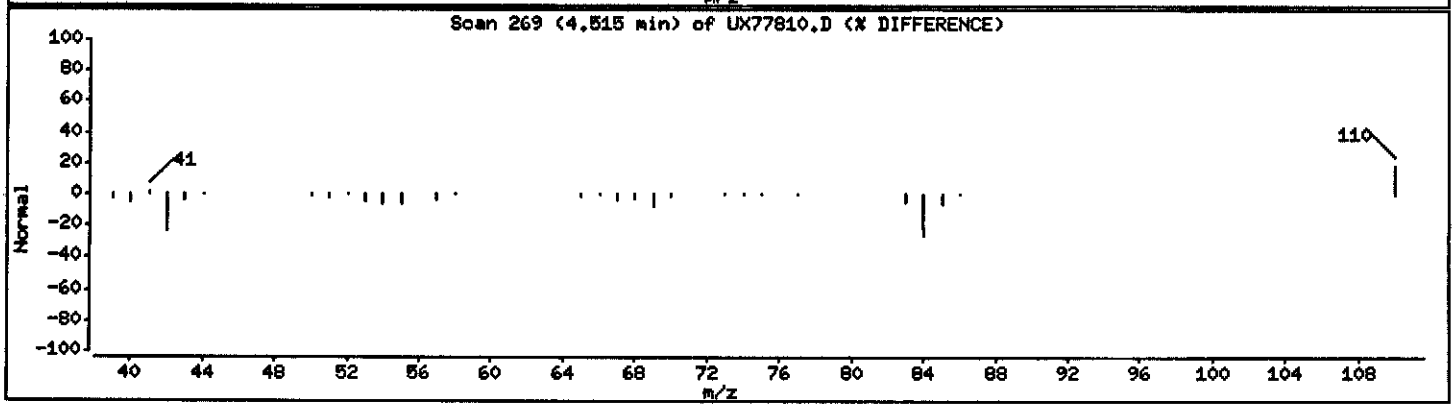
Column phase: DB624 20m Column diameter: 0.18

98 Cyclohexane Concentration: 0.1491 ug/L









Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40719B.b\UX77810.D

Date : 19-JUL-2004 22:17

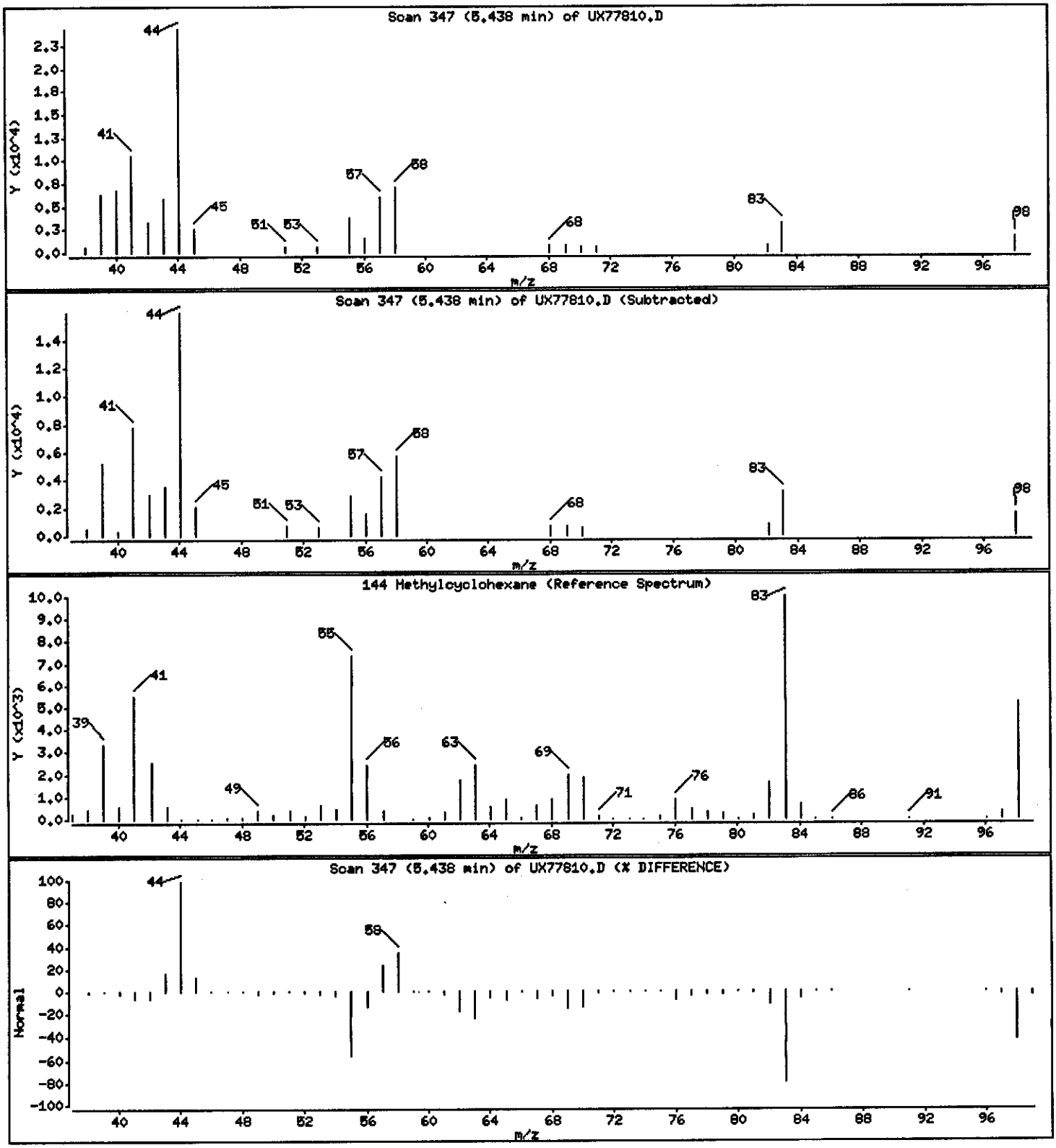
Client ID: DW002/070904 Instrument: a3ux7.i

Sample Info: GKVQW1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

144 Methylcyclohexane Concentration: 0.2153 ug/L



PAYNE FIRM INC.

Client Sample ID: DW003/070904

GC/MS Volatiles

Lot-Sample #...: A4G100202-016 **Work Order #...:** GKVQ01AA **Matrix.....:** WG
Date Sampled...: 07/09/04 12:35 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202123
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**12**	**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	**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	**0.50 J**	**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	**0.57 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: DW003/070904

GC/MS Volatiles

Lot-Sample #...: A4G100202-016 **Work Order #...:** GKVQ01AA **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	**0.48 J**	**1.0**	**ug/L**
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

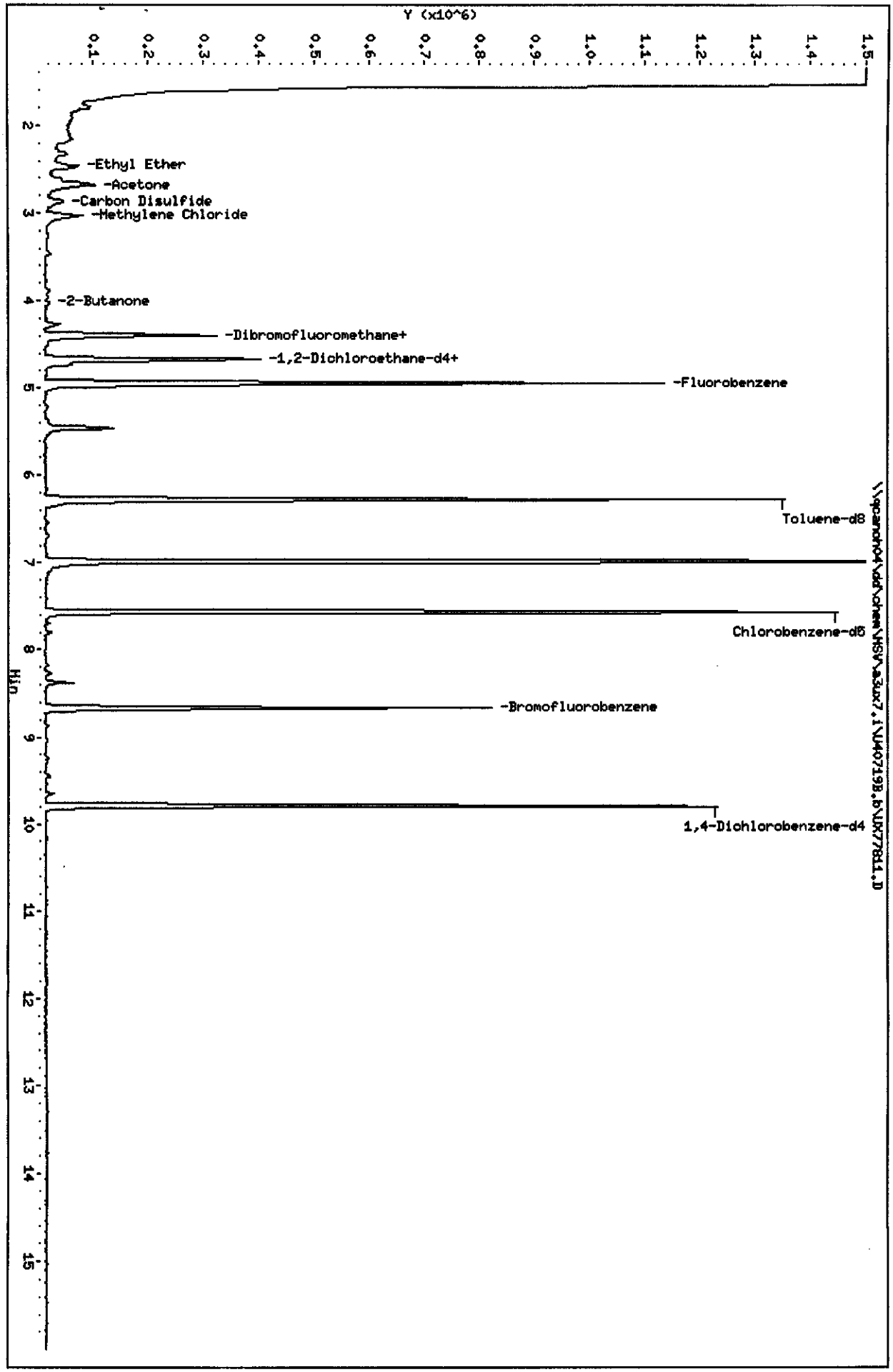
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(73 - 122)
1,2-Dichloroethane-d4	89	(61 - 128)
Toluene-d8	89	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U407198.b\UX77814.D
Date : 19-JUL-2004 22:40
Client ID: IW003/070904
Sample Info: GKVQ01AA,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\U40719B.b\UX77811.D
Report Date: 20-Jul-2004 10:03

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77811.D
Lab Smp Id: GKVQ01AA Client Smp ID: DW003/070904
Inj Date : 19-JUL-2004 22:40
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GKVQ01AA,5ML/5ML
Misc Info : U40719B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 08:40 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 38
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	4.943	4.952	(1.000)	1220841	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.567	(1.000)	842228	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.792	(1.000)	358203	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.396	(0.890)	243511	45.2280	9.046
$ 5 1,2-Dichloroethane-d4	65	4.671	4.668	(0.945)	362310	44.2785	8.856
$ 6 Toluene-d8	98	6.280	6.277	(0.830)	1017729	44.6279	8.926
$ 7 Bromofluorobenzene	95	8.671	8.667	(1.145)	349596	39.7043	7.941
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	2.683	2.680	(0.543)	218782	58.3826	11.676
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77811.D
Report Date: 20-Jul-2004 10:03

	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	2.873	2.869	(0.581)	109536	5.31747	1.063
	21 Methylene Chloride	84	3.038	3.035	(0.615)	47891	2.41972	0.4839
	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	4.032	4.017	(0.816)	26870	5.71370	1.143
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.269	4.266	(0.864)	29998	2.51740	0.5035
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	4.730	4.727	(0.957)	29826	2.83844	0.5677
	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\U40719B.b\UX77811.D
Report Date: 20-Jul-2004 10:03

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	(0.500)	56523	9.64122	1.928
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\U40719B.b\UX77811.D

Date : 19-JUL-2004 22:40

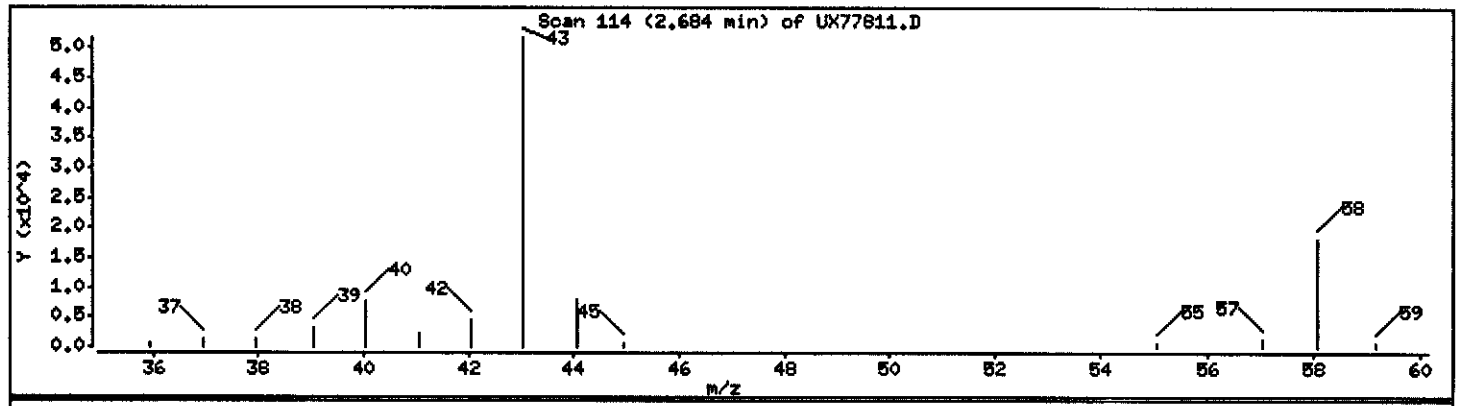
Client ID: DW003/070904 Instrument: a3ux7.i

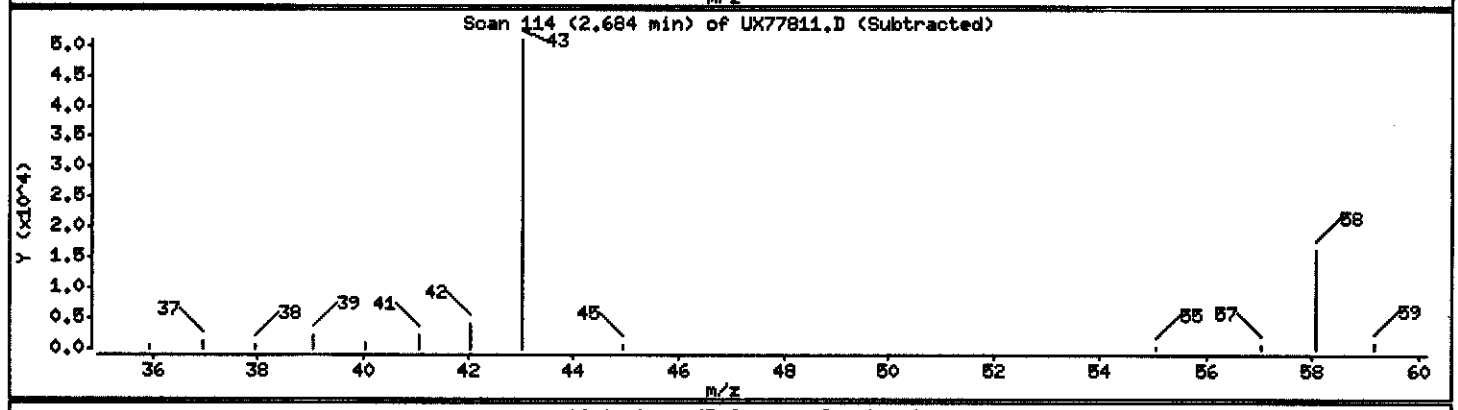
Sample Info: GKVQ01AA,5ML/5ML

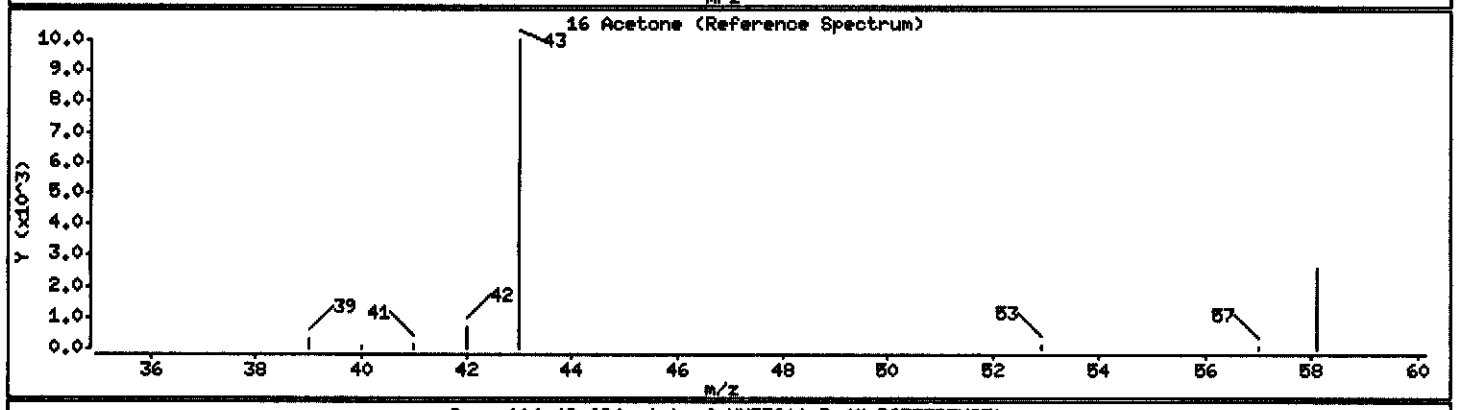
Purge Volume: 5.0 Operator: 1754

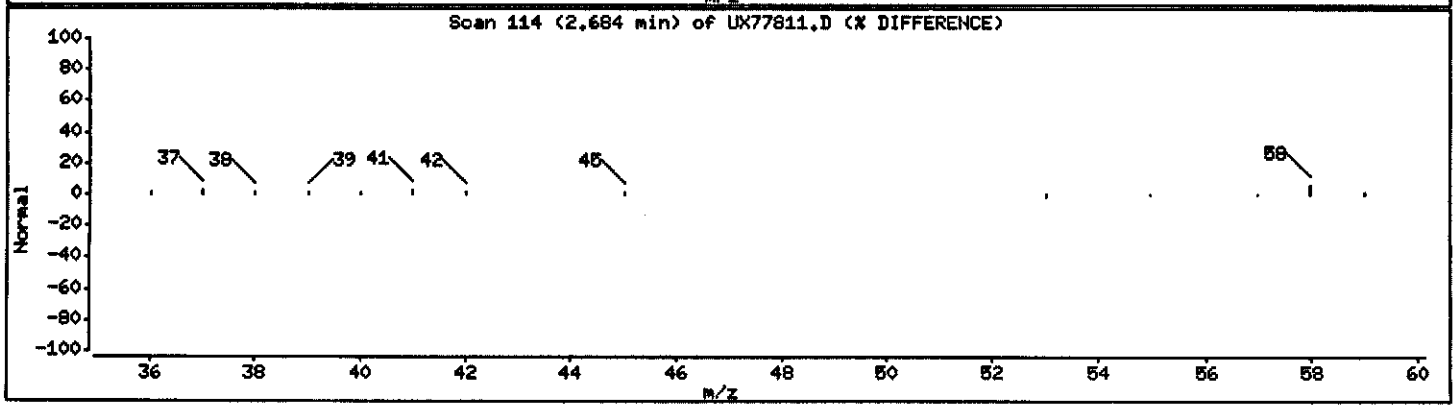
Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 11.676 ug/L









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Date : 19-JUL-2004 22:40

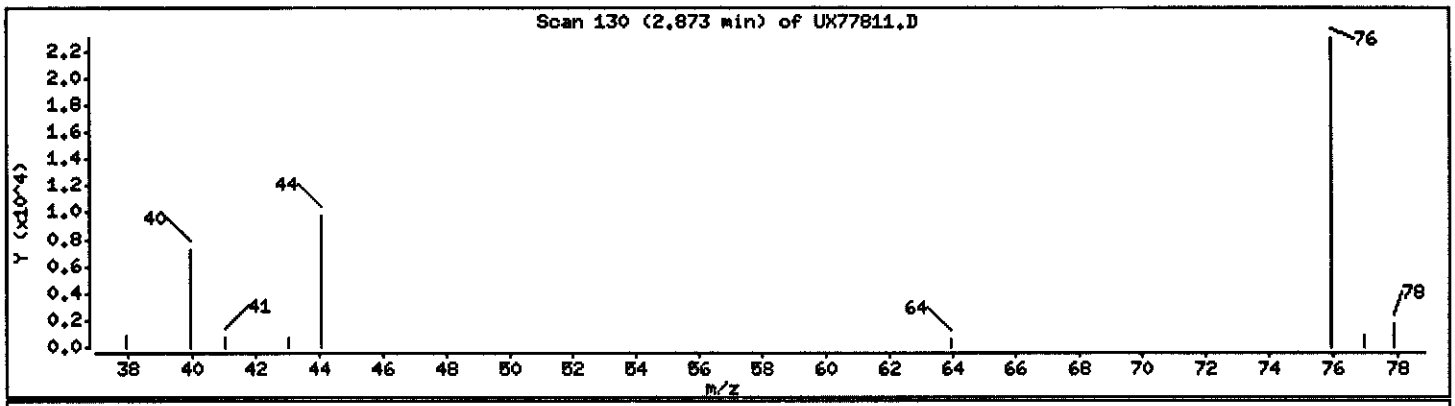
Client ID: DW003/070904 Instrument: a3ux7.i

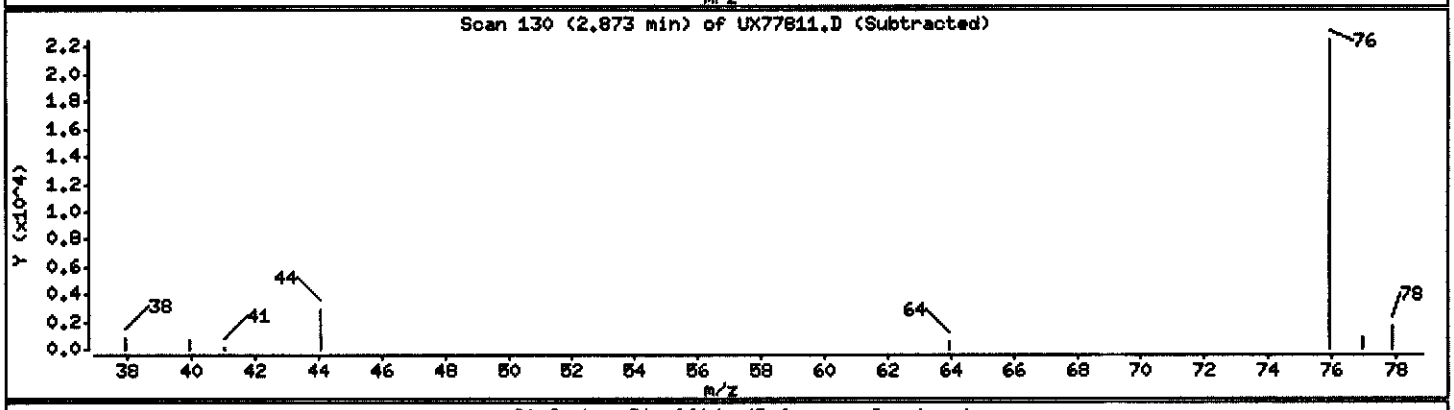
Sample Info: GKVQ01AA,5ML/5ML

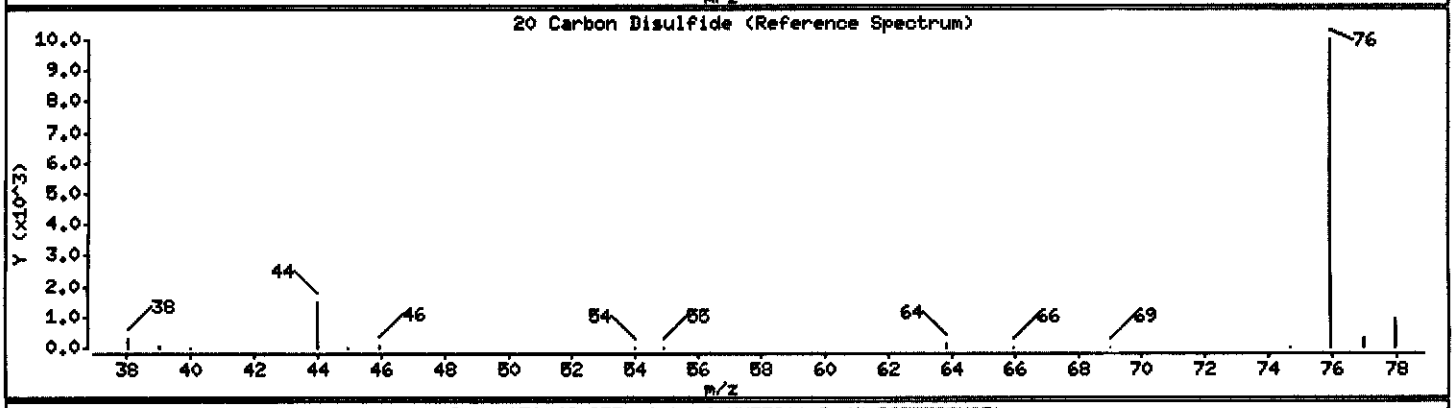
Purge Volume: 5.0 Operator: 1754

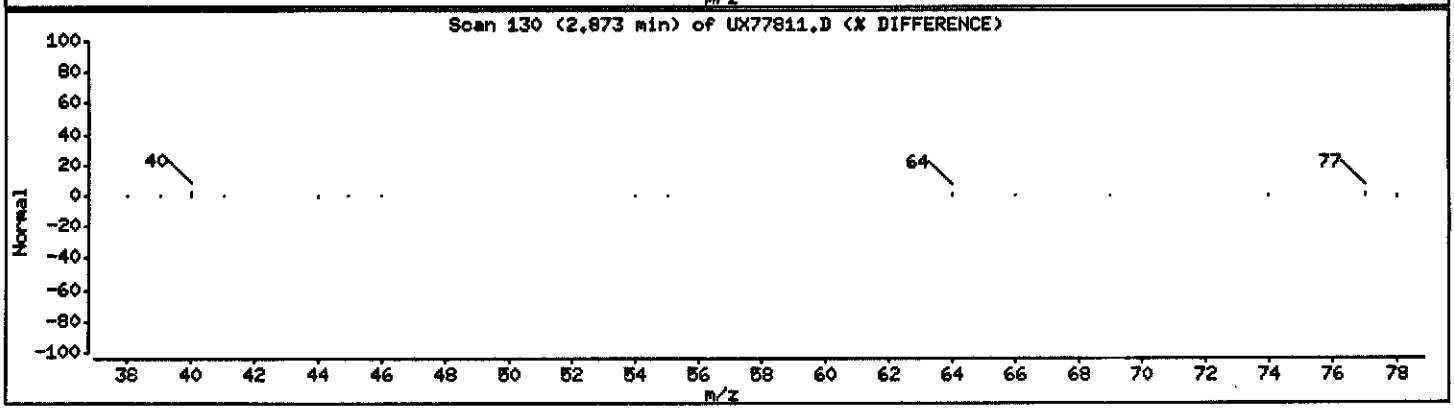
Column phase: DB624 20m Column diameter: 0.18

20 Carbon Disulfide Concentration: 1.063 ug/L









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Date : 19-JUL-2004 22:40

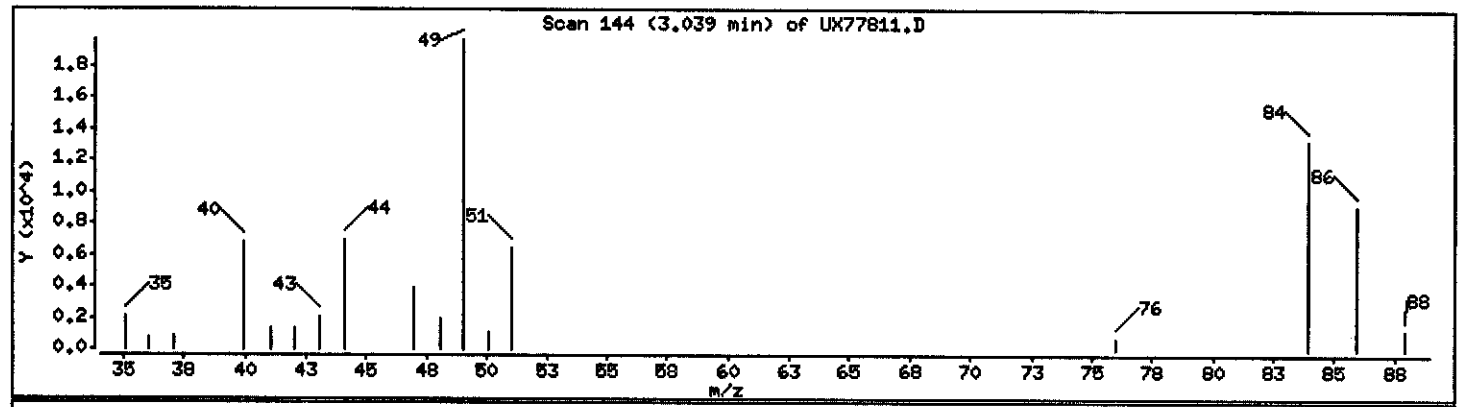
Client ID: DW003/070904 | Instrument: a3ux7.i

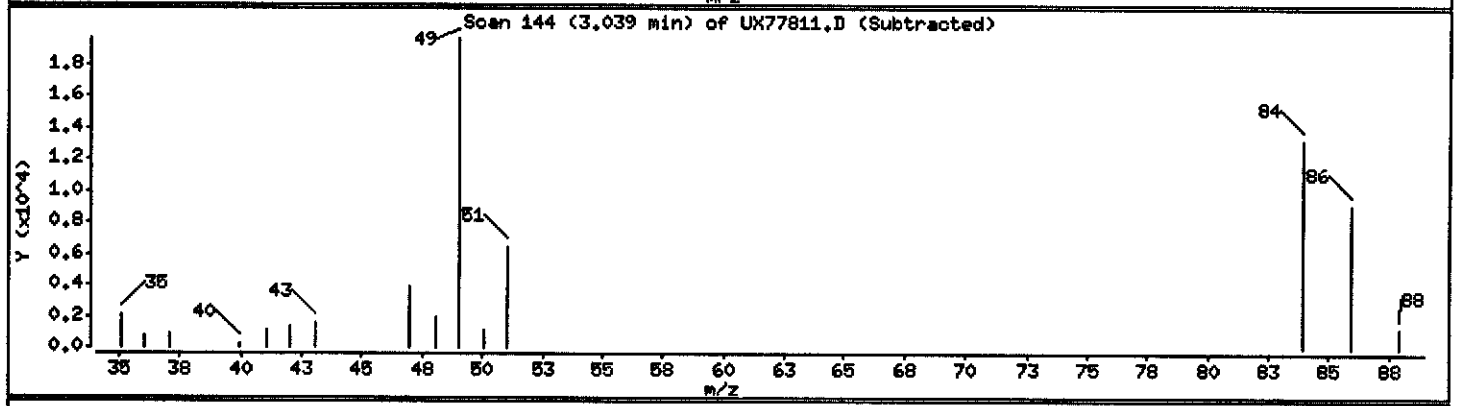
Sample Info: GKVQ01AA,5ML/5ML

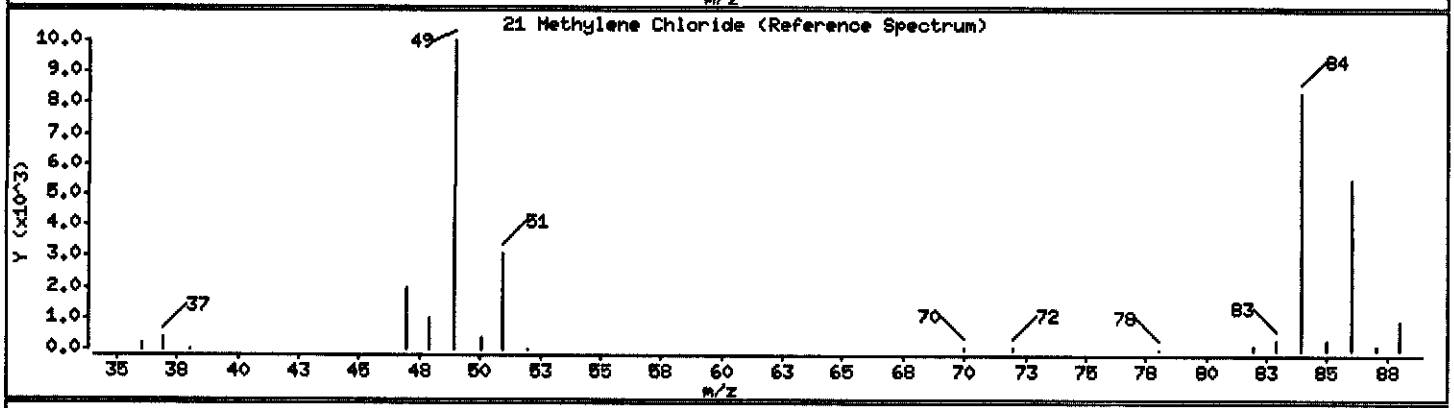
Purge Volume: 5.0 | Operator: 1754

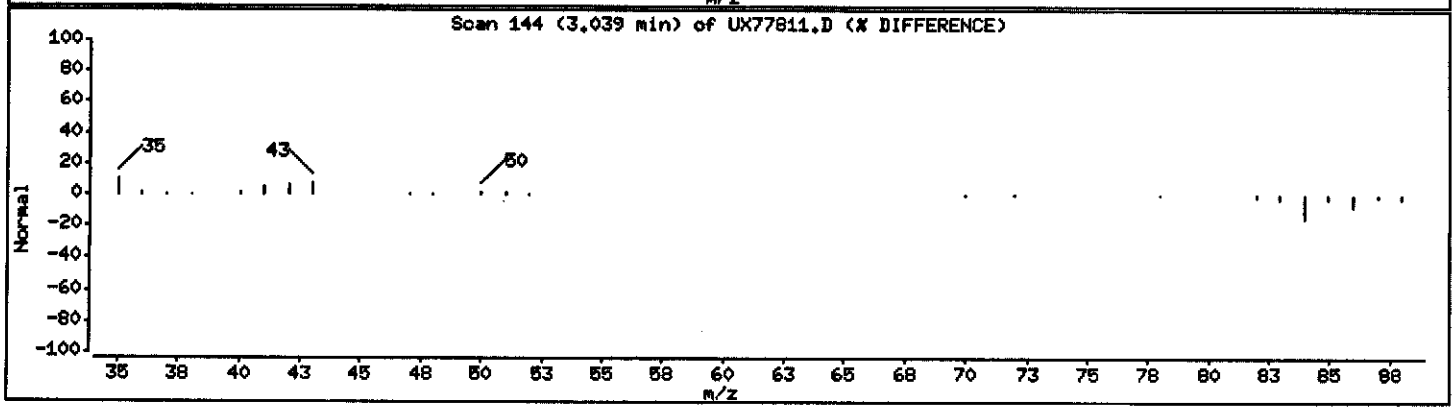
Column phase: DB624 20m | Column diameter: 0.18

21 Methylene Chloride | Concentration: 0.4839 ug/L









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Date : 19-JUL-2004 22:40

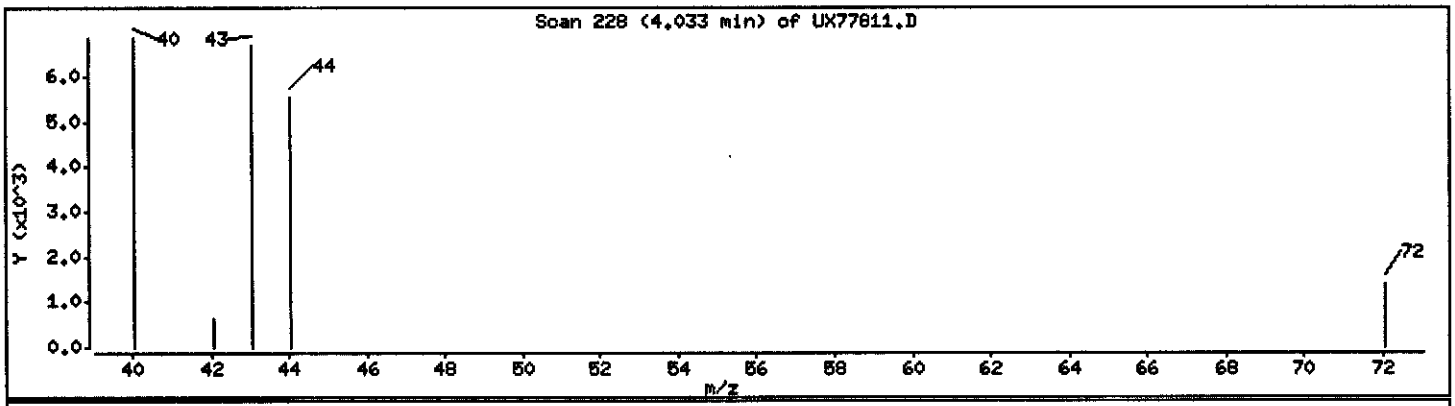
Client ID: DW003/070904 Instrument: a3ux7.i

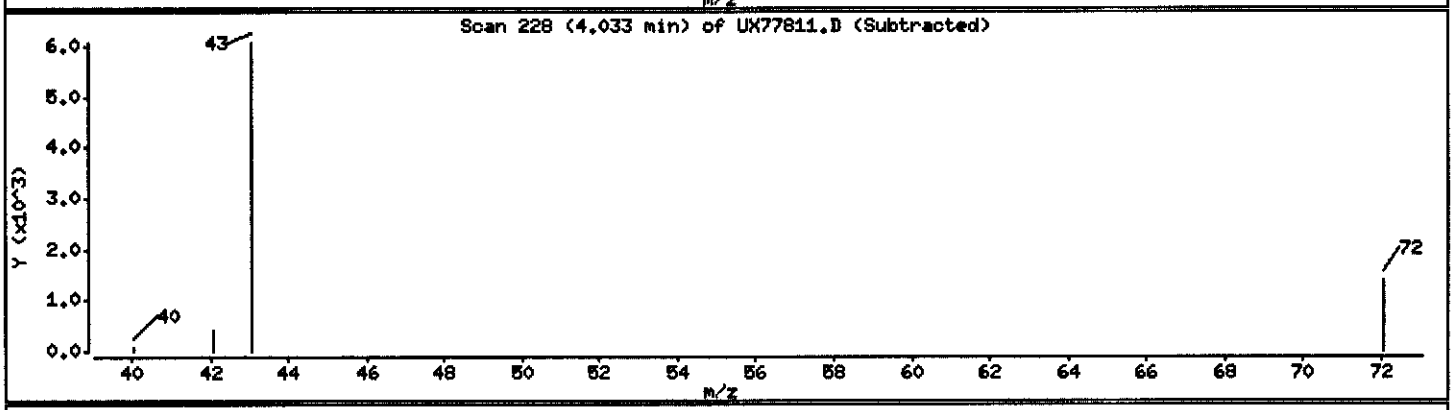
Sample Info: GKVQ01AA,5ML/5ML

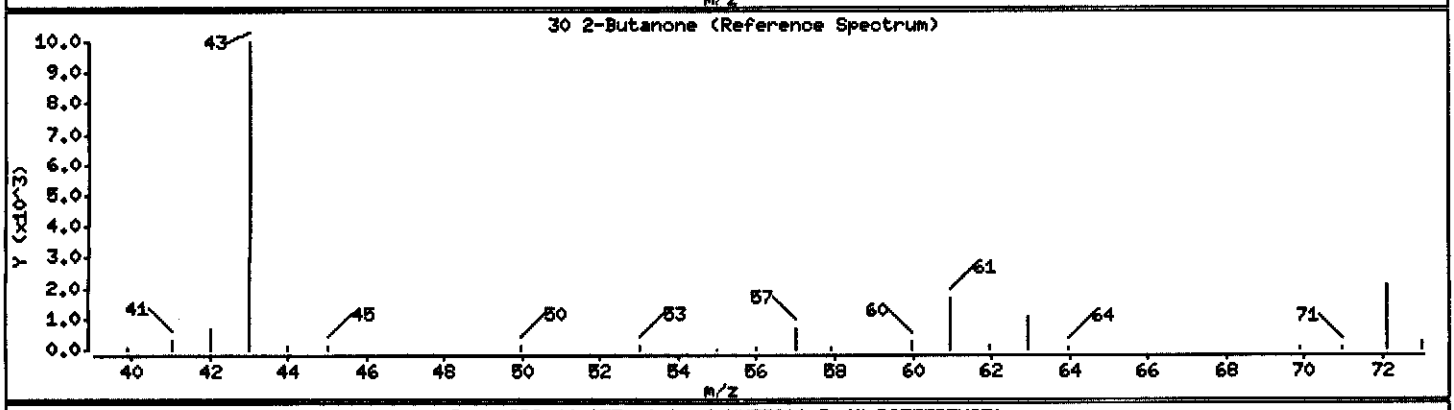
Purge Volume: 5.0 Operator: 1754

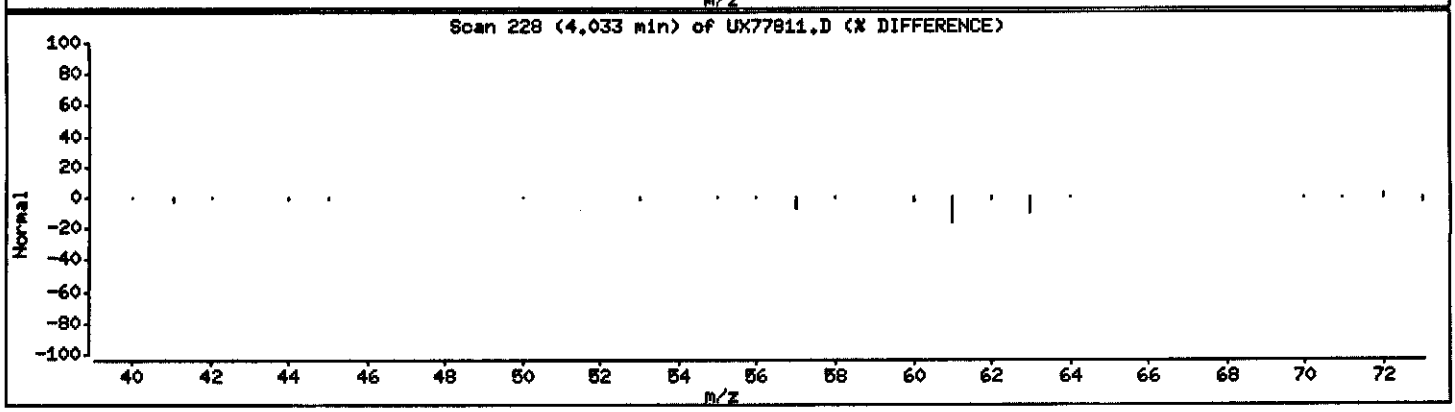
Column phase: DB624 20m Column diameter: 0.18

30 2-Butanone Concentration: 1.143 ug/L









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Date : 19-JUL-2004 22:40

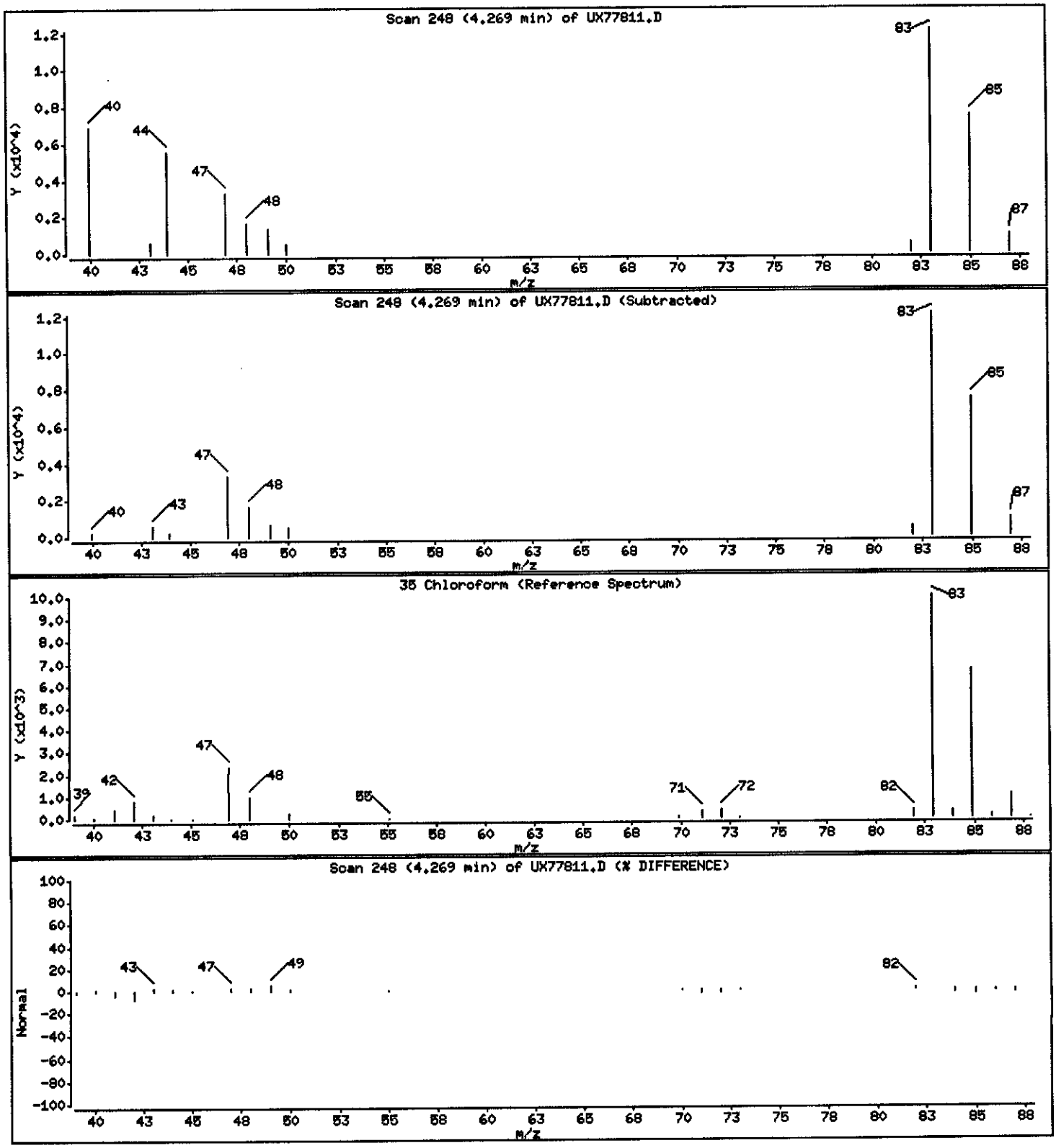
Client ID: DW003/070904 Instrument: a3ux7.i

Sample Info: GKVQ01AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

35 Chloroform Concentration: 0.5035 ug/L



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Date : 19-JUL-2004 22:40

Client ID: DW003/070904

Instrument: a3ux7.i

Sample Info: GKVQ01AA,5ML/5ML

Purge Volume: 5.0

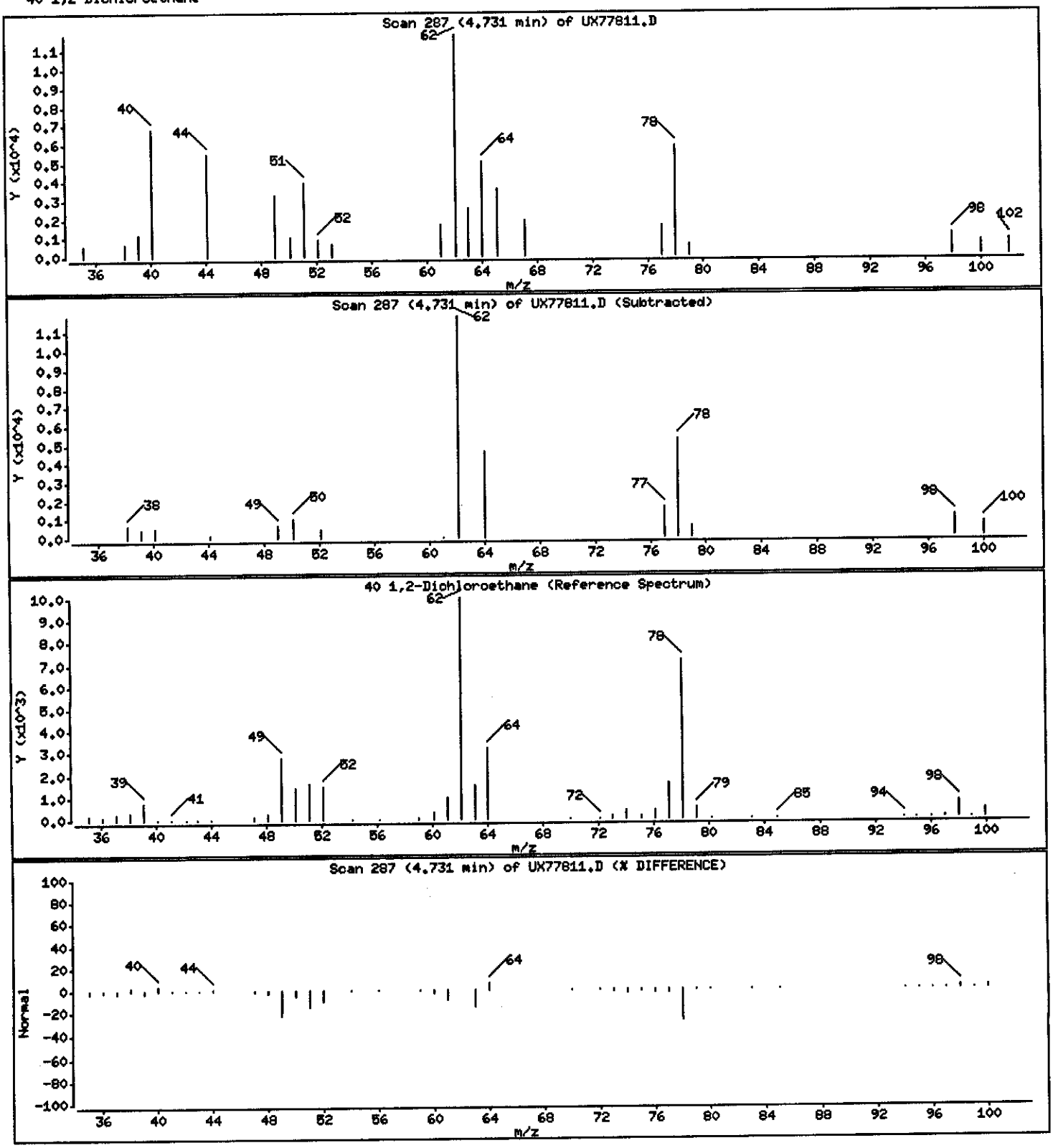
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

40 1,2-Dichloroethane

Concentration: 0.5677 ug/L



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Date : 19-JUL-2004 22:40

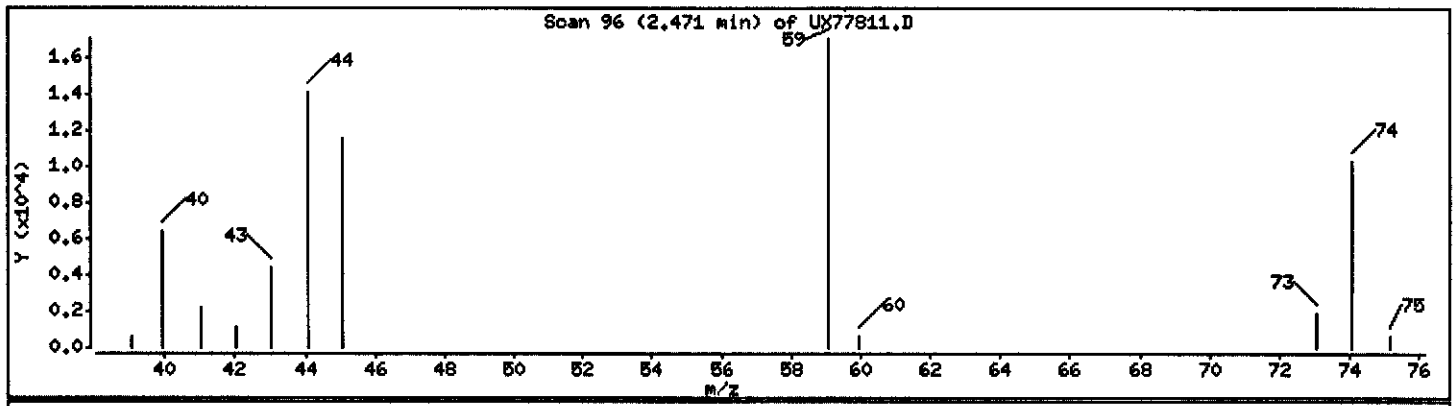
Client ID: DW003/070904 Instrument: a3ux7.i

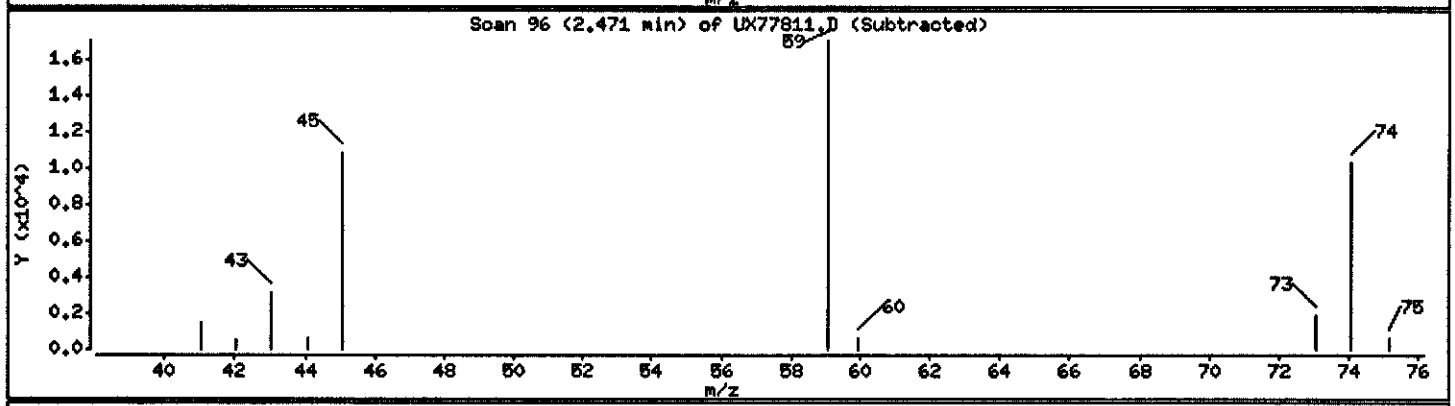
Sample Info: GKVQ01AA,5ML/5ML

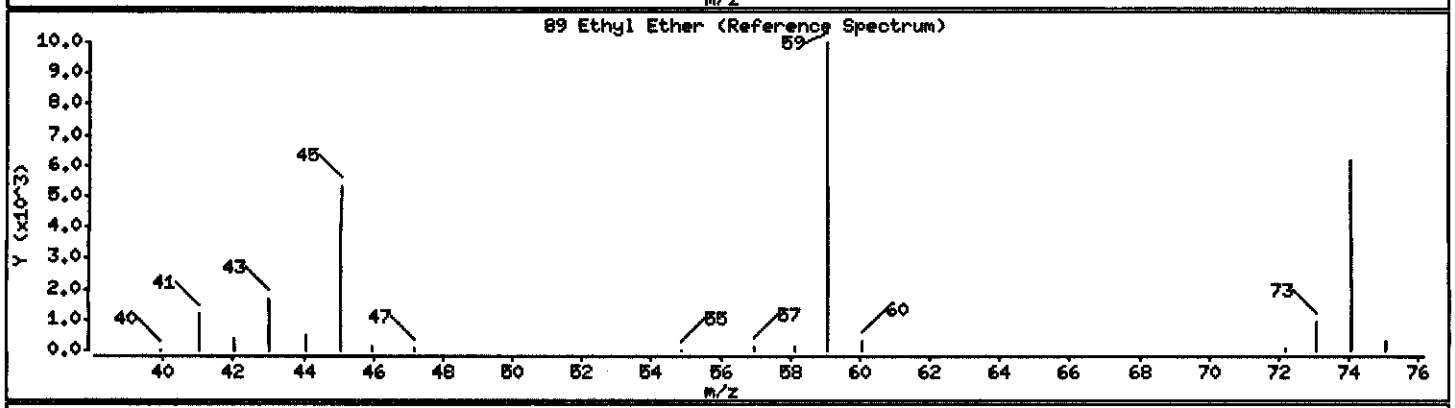
Purge Volume: 5.0 Operator: 1754

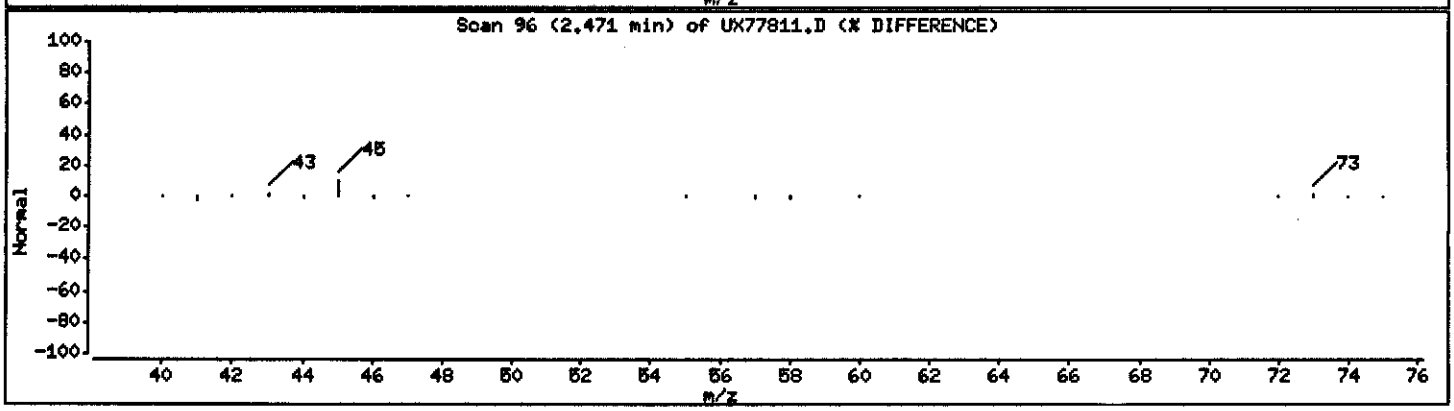
Column phase: DB624 20m Column diameter: 0.18

89 Ethyl Ether Concentration: 1.928 ug/L









PAYNE FIRM INC.

Client Sample ID: DW004/070904

GC/MS Volatiles

Lot-Sample #...: A4G100202-017 **Work Order #...:** GKVQ21AA **Matrix.....:** WG
Date Sampled...: 07/09/04 12:39 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202123
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	**0.92 J**	**10**	**ug/L**
Carbon disulfide	**1.3**	**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	**0.23 J**	**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: DW004/070904

GC/MS Volatiles

Lot-Sample #...: A4G100202-017 **Work Order #...:** GKVQ21AA **Matrix.....:** WG

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

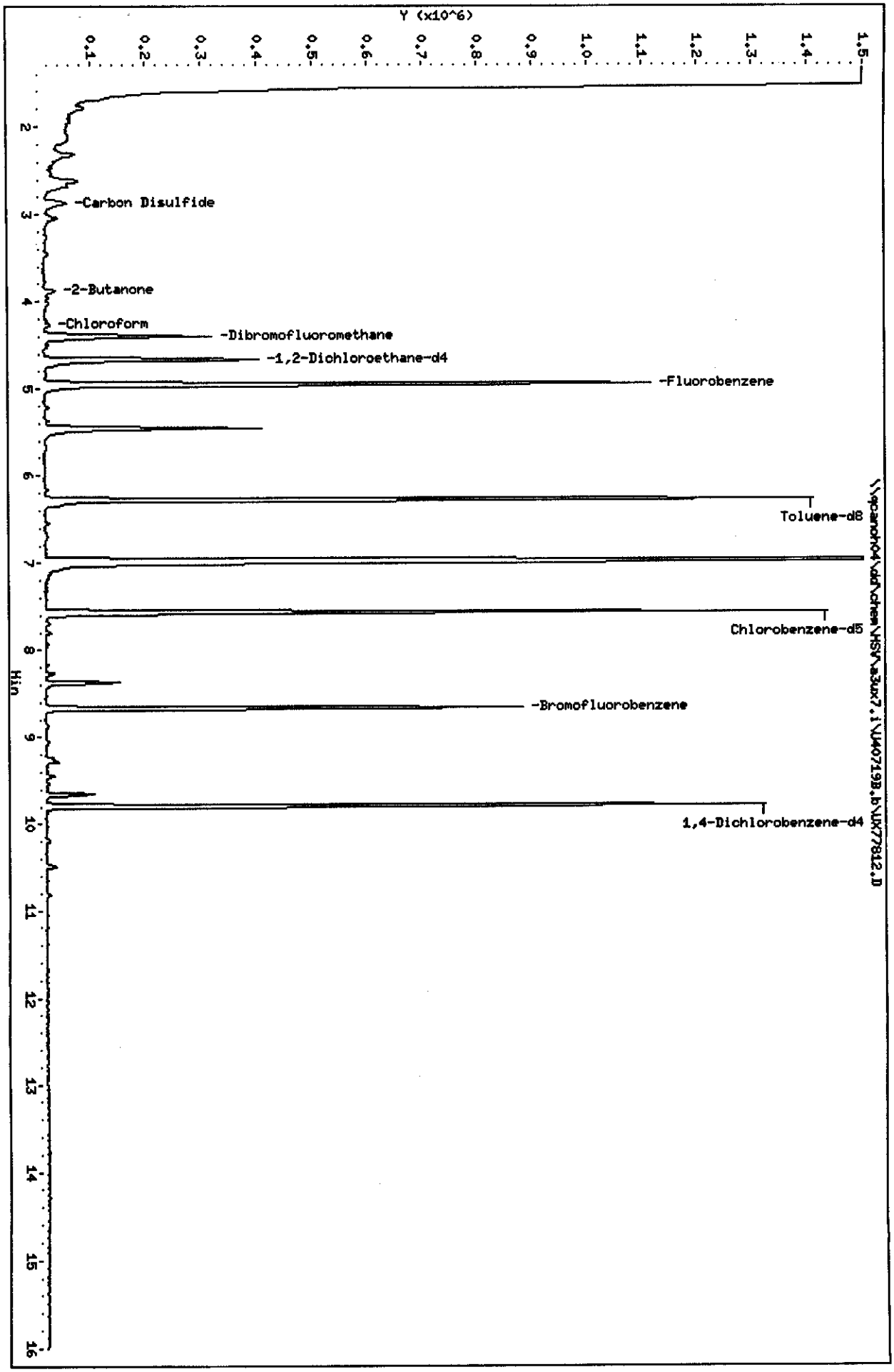
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
Toluene-d8	91	(76 - 110)
4-Bromofluorobenzene	85	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\vdd\chem\HSV\a3ux7.i\U40719B.b\UX77812.D
Date : 19-JUL-2004 23:04
Client ID: DW004/070904
Sample Info: GXVQ2100,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

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



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Report Date: 20-Jul-2004 10:04

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77812.D
Lab Smp Id: GKVQ21AA Client Smp ID: DW004/070904
Inj Date : 19-JUL-2004 23:04
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GKVQ21AA,5ML/5ML
Misc Info : U40719B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 08:40 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 39
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	4.951	4.952	(1.000)	1200098	50.0000	
* 2 Chlorobenzene-d5	117	7.566	7.567	(1.000)	828608	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.792	(1.000)	347333	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.396	(0.888)	243027	45.9183	9.184
$ 5 1,2-Dichloroethane-d4	65	4.667	4.668	(0.943)	361510	44.9443	8.989
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	1015780	45.2746	9.055
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	367295	42.4001	8.480
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\U40719B.b\UX77812.D
Report Date: 20-Jul-2004 10:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	2.869	2.869	(0.579)	128383	6.34013	1.268
	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	4.028	4.017	(0.814)	21291	4.60562	0.9211
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.265	4.266	(0.861)	13272	1.13303	0.2266
	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\U40719B.b\UX77812.D
Report Date: 20-Jul-2004 10:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	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\U40719B.b\UX77812.D

Date : 19-JUL-2004 23:04

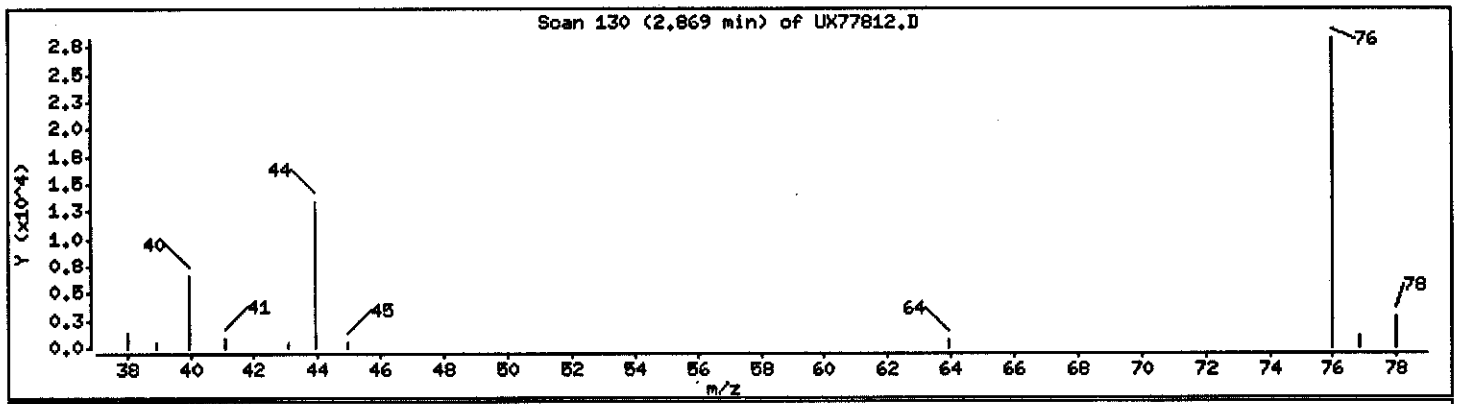
Client ID: DW004/070904 Instrument: a3ux7.i

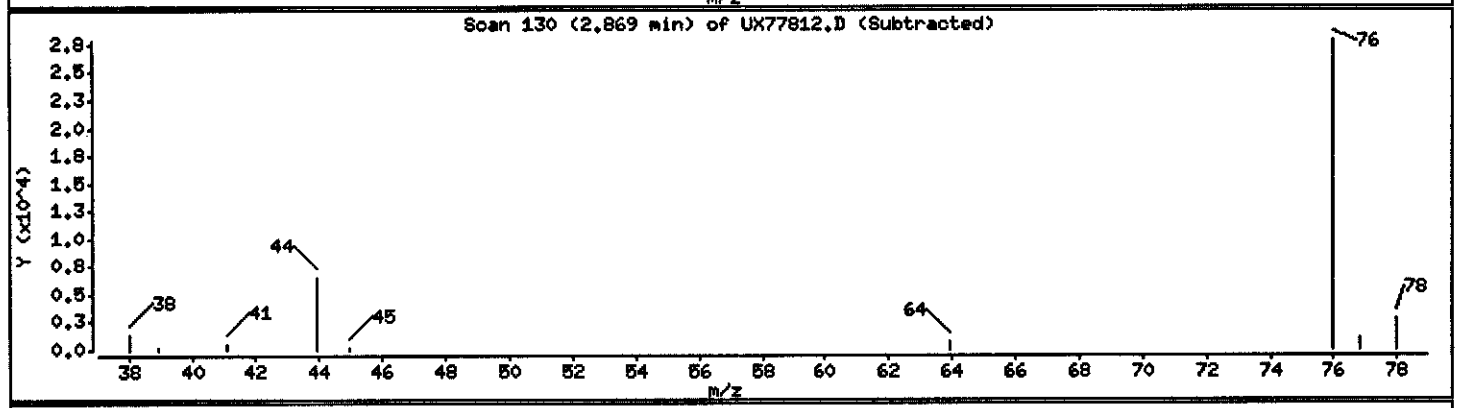
Sample Info: GKVQ21AA,5ML/5ML

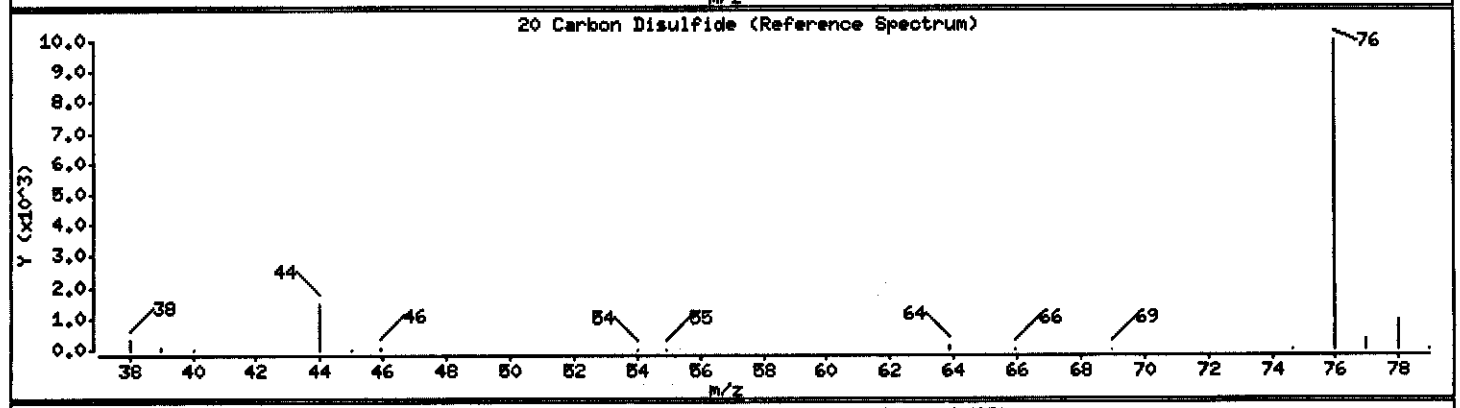
Purge Volume: 5.0 Operator: 1754

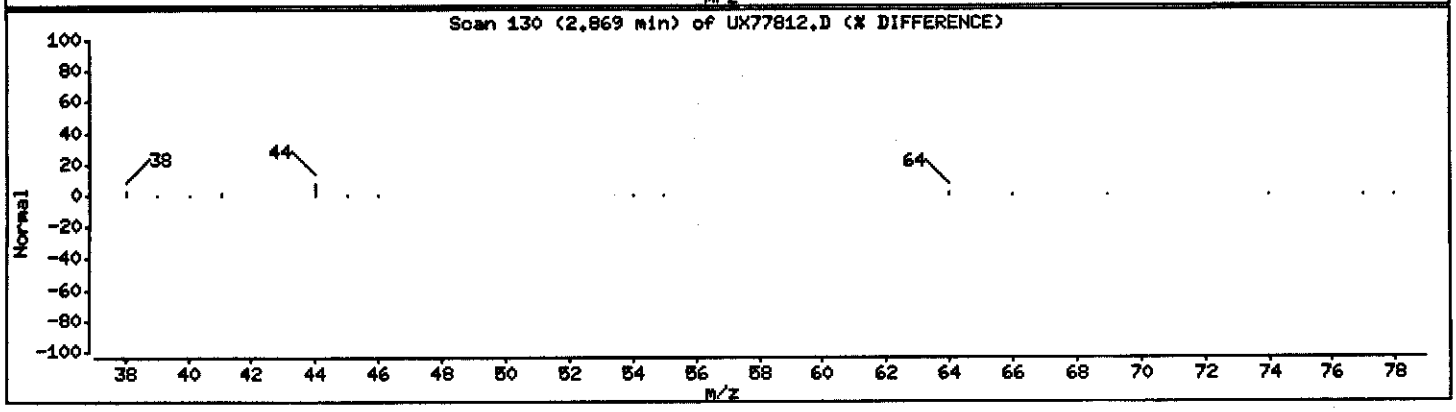
Column phase: DB624 20m Column diameter: 0.18

20 Carbon Disulfide Concentration: 1.268 ug/L









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Date : 19-JUL-2004 23:04

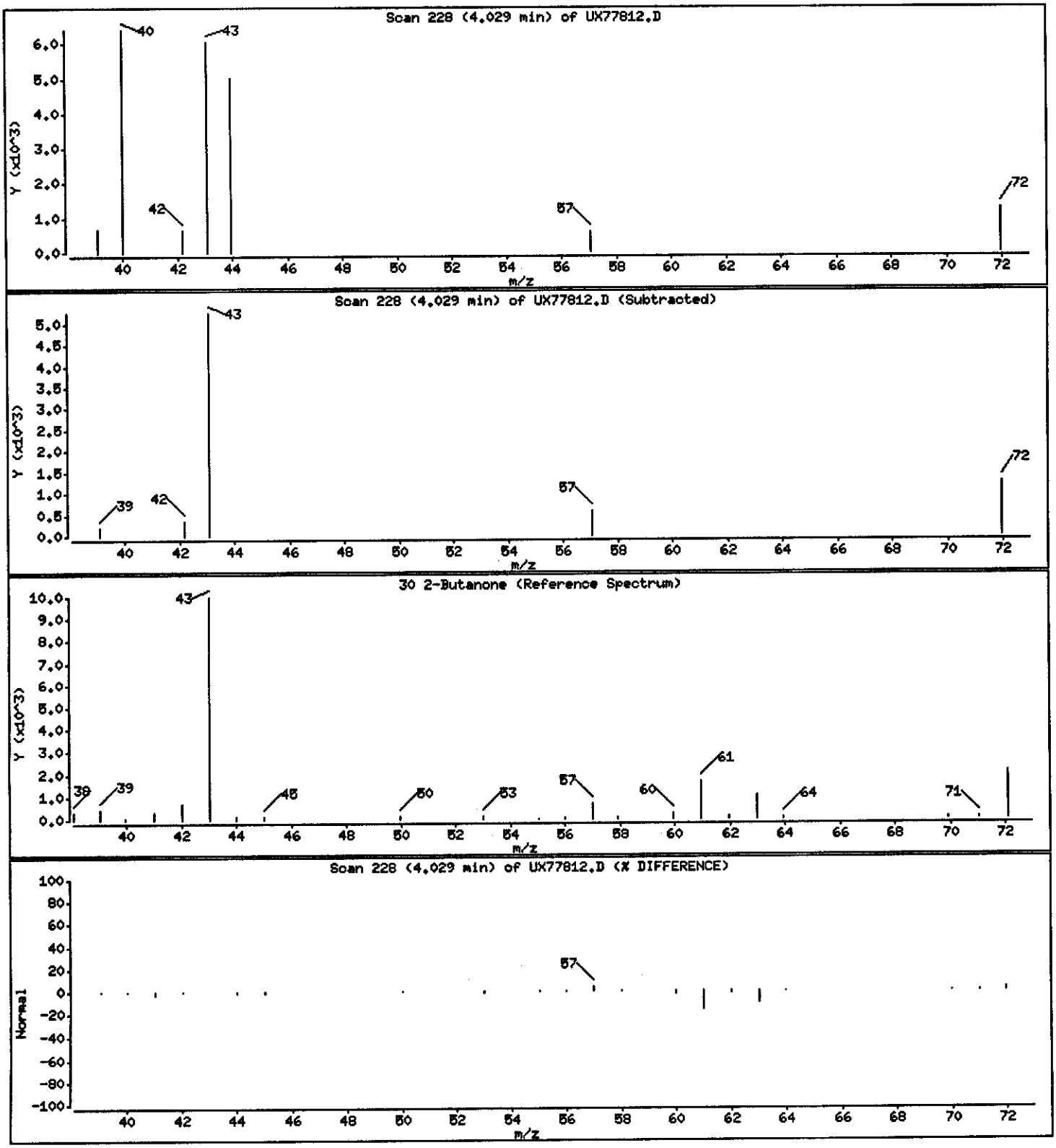
Client ID: DW004/070904 Instrument: a3ux7.i

Sample Info: GKVQ21AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

30 2-Butanone Concentration: 0.9211 ug/L



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Date : 19-JUL-2004 23:04

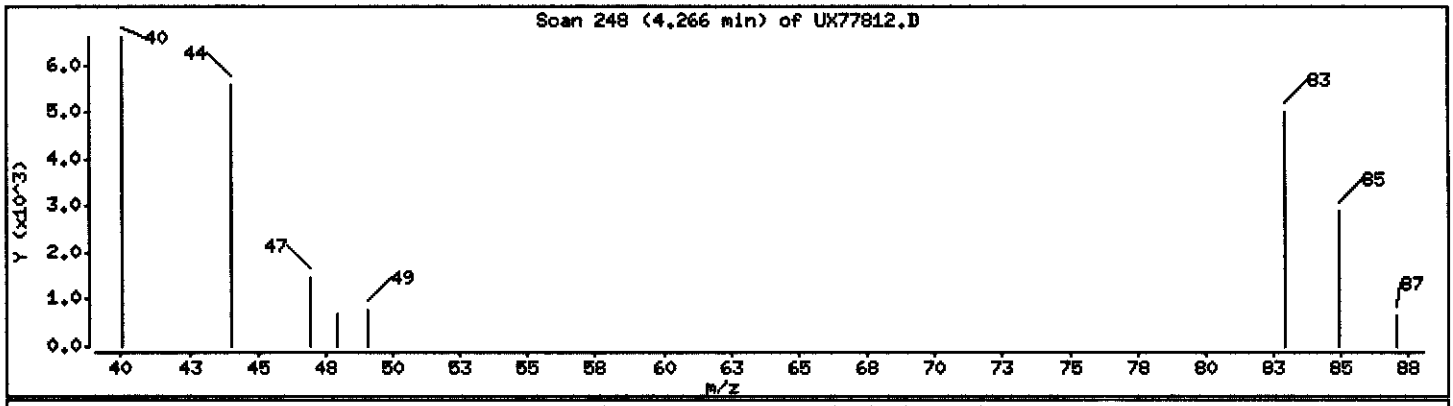
Client ID: DW004/070904 Instrument: a3ux7.i

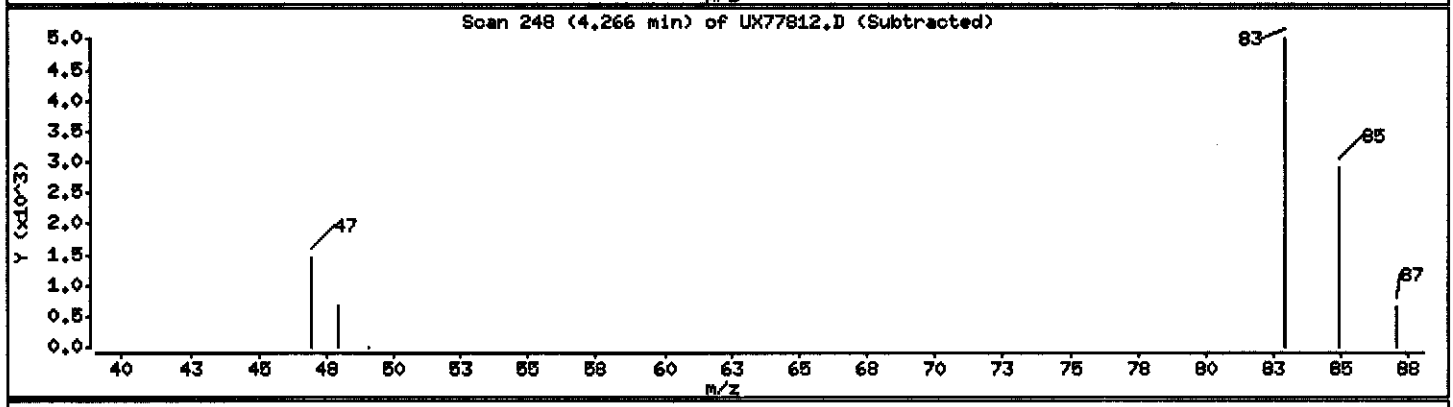
Sample Info: GKVQ21AA,5ML/5ML

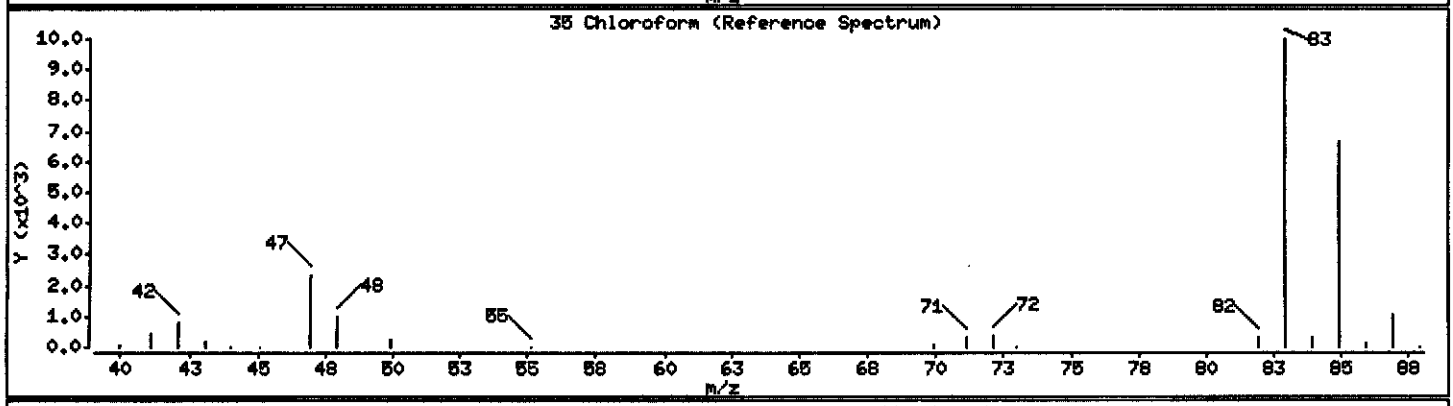
Purge Volume: 5.0 Operator: 1754

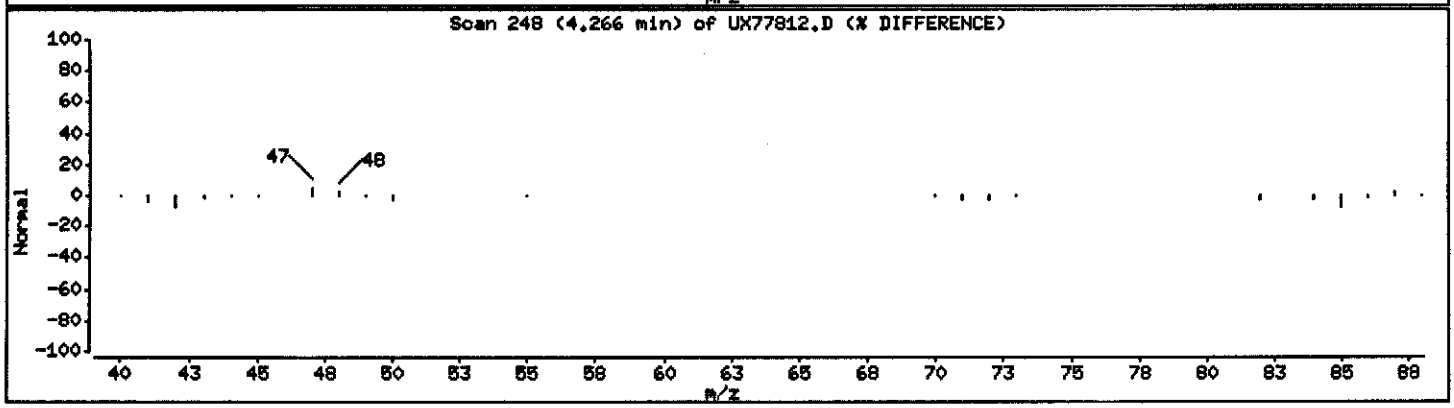
Column phase: DB624 20m Column diameter: 0.18

35 Chloroform Concentration: 0.2266 ug/L









PAYNE FIRM INC.

Client Sample ID: FB001/070904

GC/MS Volatiles

Lot-Sample #...: A4G100202-018 **Work Order #...:** GKVQ31AA **Matrix.....:** WQ
Date Sampled...: 07/09/04 12:40 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202123
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**6.8 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	**0.32 J**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	**12**	**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	**0.16 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: FB001/070904

GC/MS Volatiles

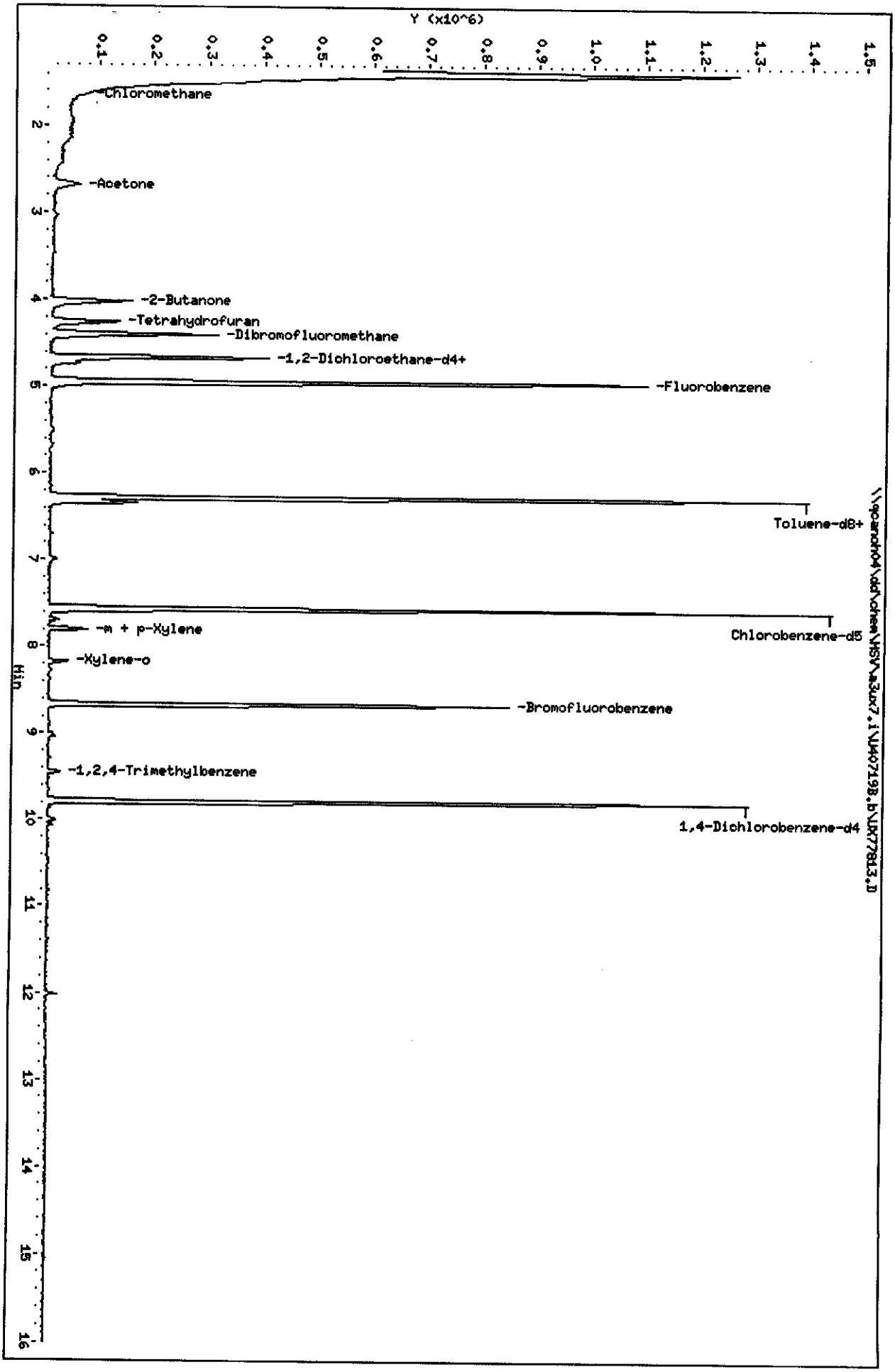
Lot-Sample #...: A4G100202-018 **Work Order #...:** GKVQ31AA **Matrix.....:** WQ

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	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.84 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)	**0.58 J**	**2.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
Toluene-d8	89	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 19-JUL-2004 23:27
Client ID: FB001/070904
Sample Info: GKVQ3160,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Chloromethane
Acetone
2-Butanone
Tetrahydrofuran
Dibromofluoromethane
1,2-Dichloroethane-d4+
Fluorobenzene
Toluene-d8+
Chlorobenzene-d5
m + p-Xylene
Xylene-o
Bromofluorobenzene
1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77813.D
Report Date: 20-Jul-2004 10:05

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77813.D
Lab Smp Id: GKVQ31AA Client Smp ID: FB001/070904
Inj Date : 19-JUL-2004 23:27
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GKVQ31AA,5ML/5ML
Misc Info : U40719B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 08:40 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 40
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	4.952	(1.000)	1204513	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	835822	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.792	(1.000)	352454	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	241731	45.5060	9.101
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	361796	44.8150	8.963
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	1008020	44.5410	8.908
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	355720	40.7095	8.142
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.639	1.639	(0.331)	7836	0.80733	0.1615
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	2.680	2.680	(0.541)	126703	34.0116	6.802
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77813.D
Report Date: 20-Jul-2004 10:05

	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	4.017	4.017	(0.811)	285222	61.4724	12.294
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	4.254	4.254	(0.859)	120436	54.0457	10.809
	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	4.727	4.727	(0.955)	47324	1.61086	0.3222
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.336	6.336	(0.837)	126752	4.22143	0.8443
	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	7.804	7.804	(1.031)	22319	1.98640	0.3973
M	63 Xylenes (total)	106				32475	2.90007	0.5800
	64 Xylene-o	106	8.170	8.170	(1.080)	10156	0.91367	0.1827
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77813.D
Report Date: 20-Jul-2004 10:05

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	9.448	(0.965)	17016	0.81184	0.1624
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\U40719B.b\UX77813.D

Date : 19-JUL-2004 23:27

Client ID: FB001/070904

Instrument: a3ux7.i

Sample Info: GKVQ31AA,5ML/5ML

Purge Volume: 5.0

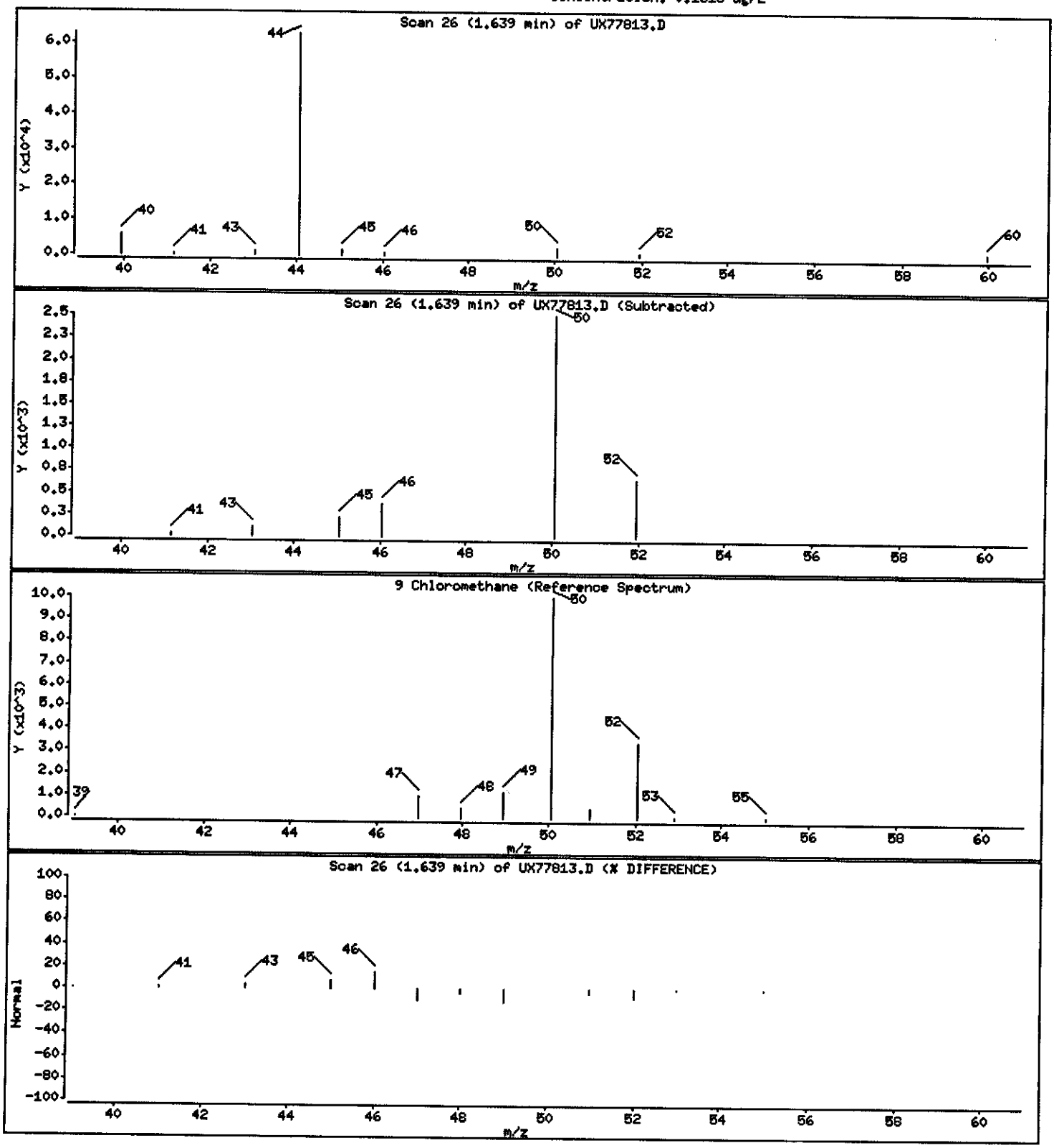
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

9 Chloromethane

Concentration: 0.1615 ug/L



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Date : 19-JUL-2004 23:27

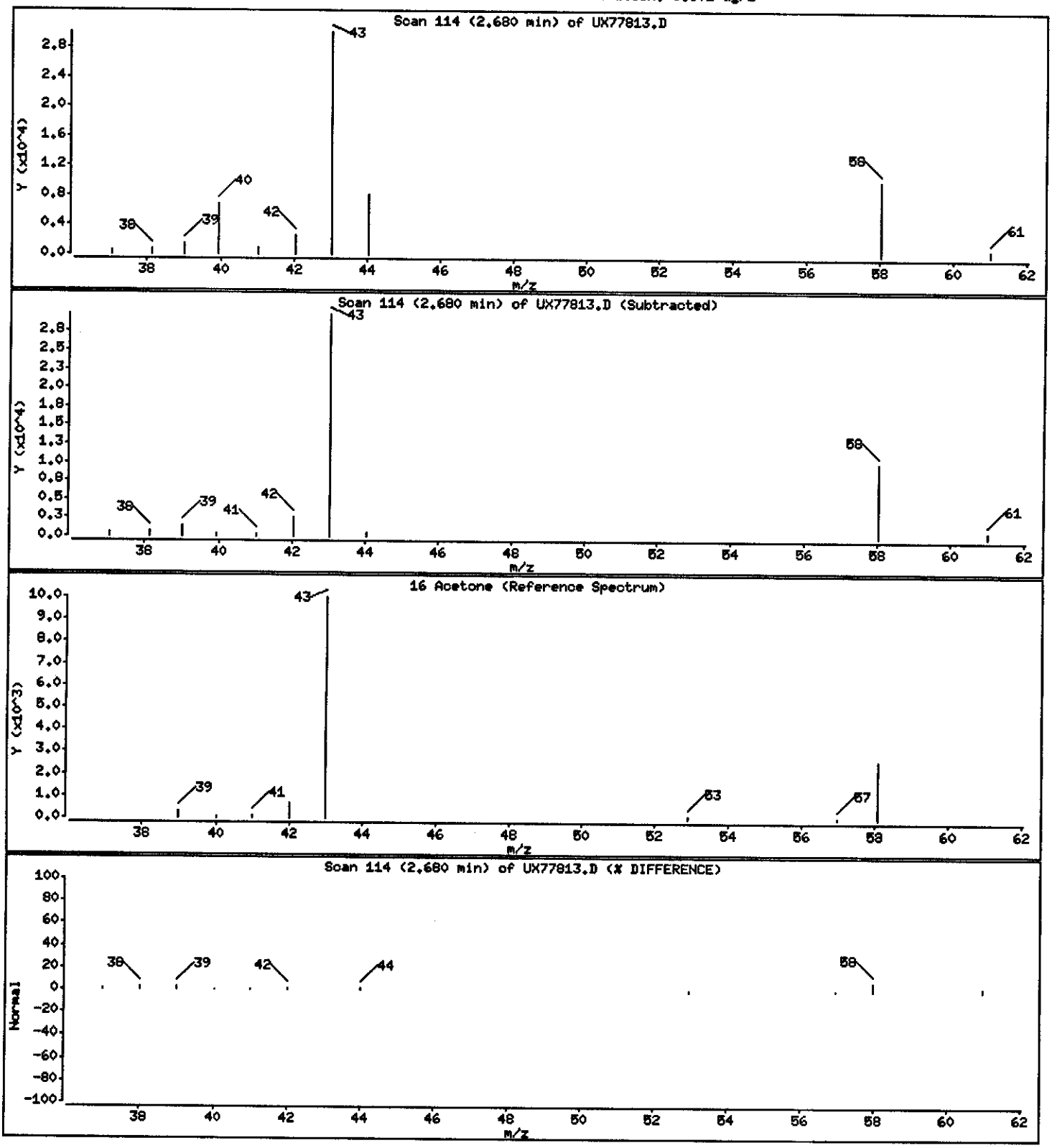
Client ID: FB001/070904 Instrument: a3ux7.i

Sample Info: GKVQ31AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 6.802 ug/L



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Date : 19-JUL-2004 23:27

Client ID: FB001/070904

Instrument: a3ux7.i

Sample Info: GKVQ31AA,5ML/5ML

Purge Volume: 5.0

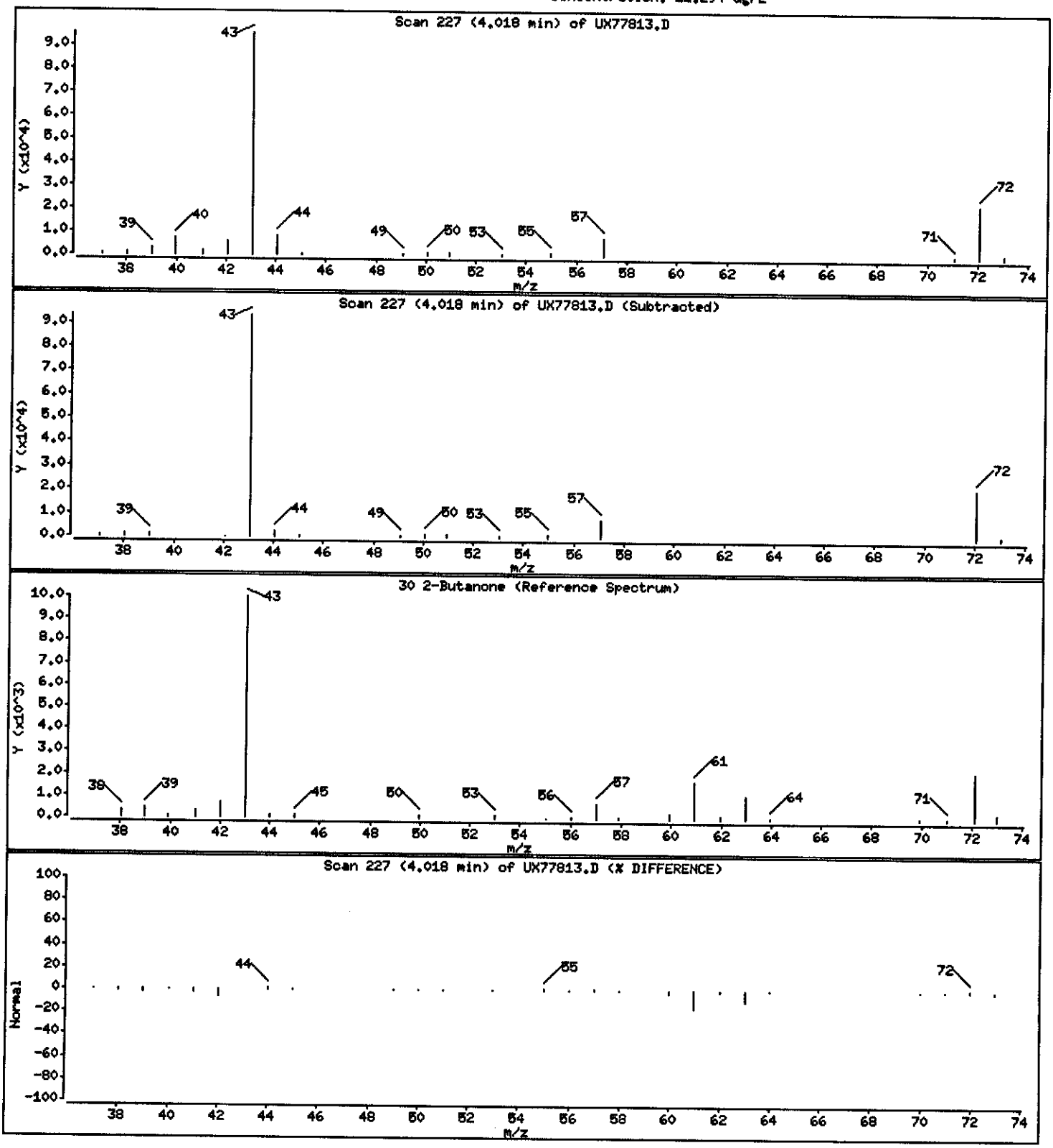
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

30 2-Butanone

Concentration: 12.294 ug/L



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Date : 19-JUL-2004 23:27

Client ID: FB001/070904

Instrument: a3ux7.i

Sample Info: CKVQ31AA,5ML/5ML

Purge Volume: 5.0

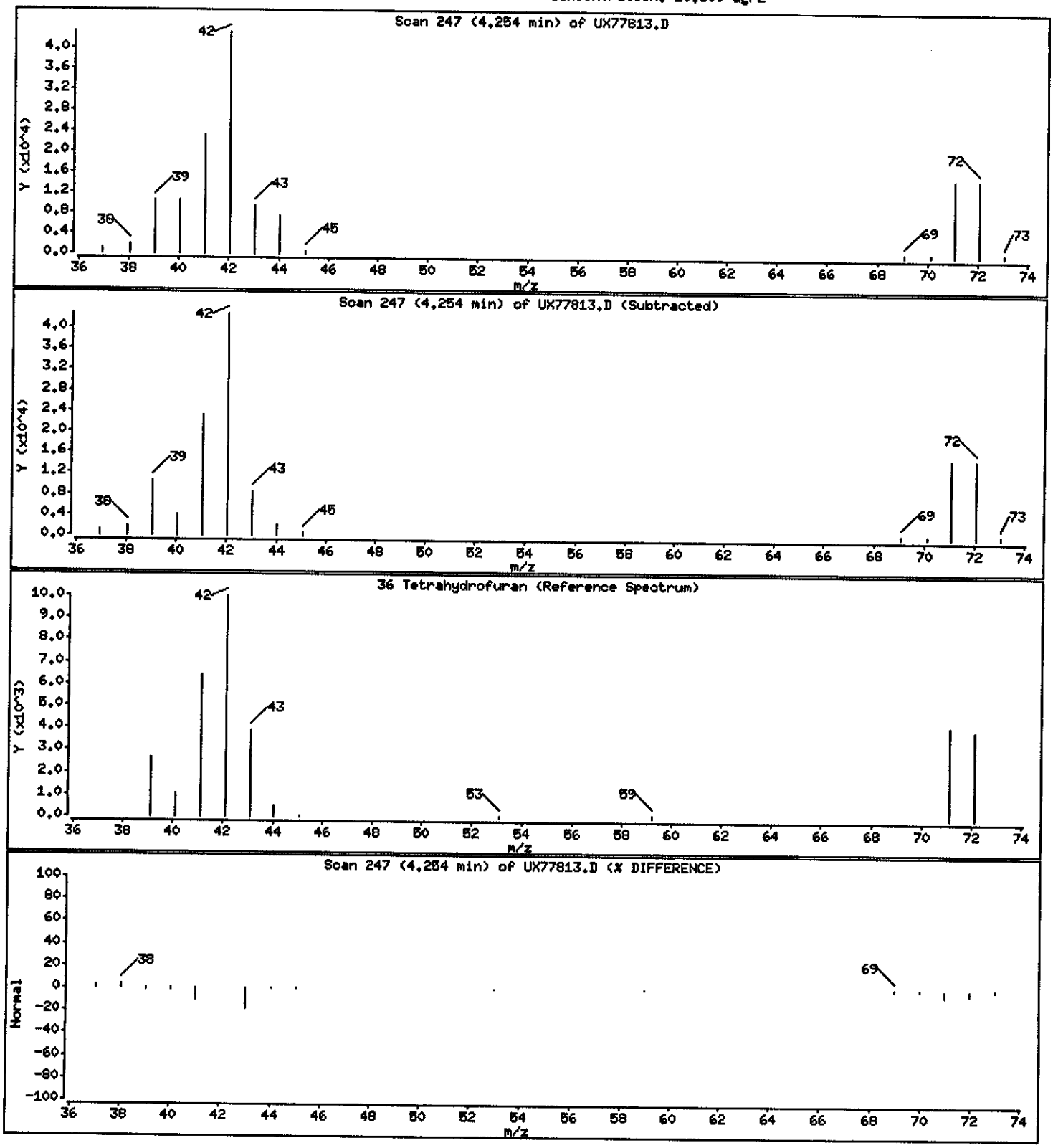
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

36 Tetrahydrofuran

Concentration: 10.809 ug/L



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Date : 19-JUL-2004 23:27

Client ID: FB001/070904

Instrument: a3ux7.i

Sample Info: GKVQ31AA,5ML/5ML

Purge Volume: 5.0

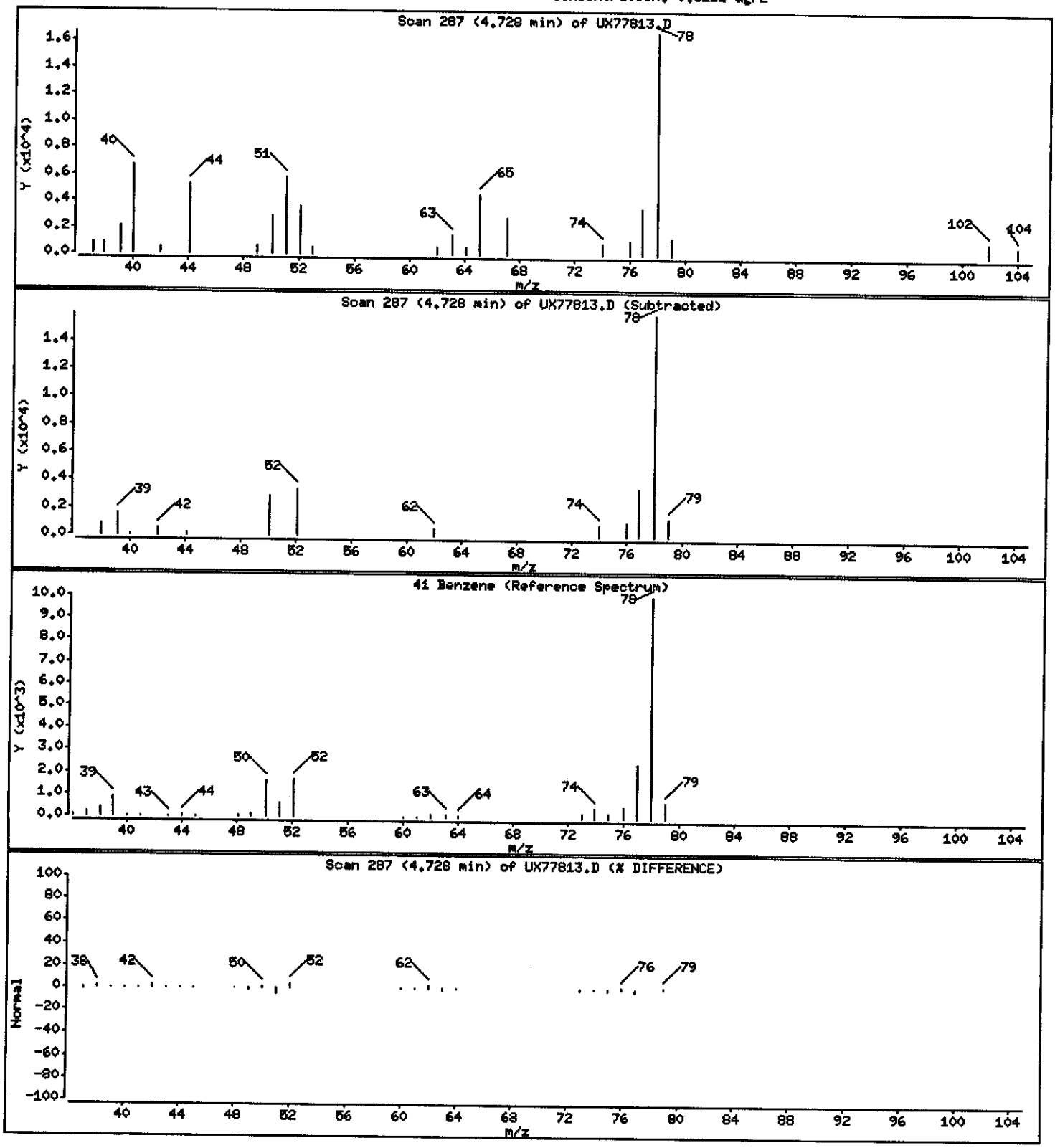
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

41 Benzene

Concentration: 0.3222 ug/L



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Date : 19-JUL-2004 23:27

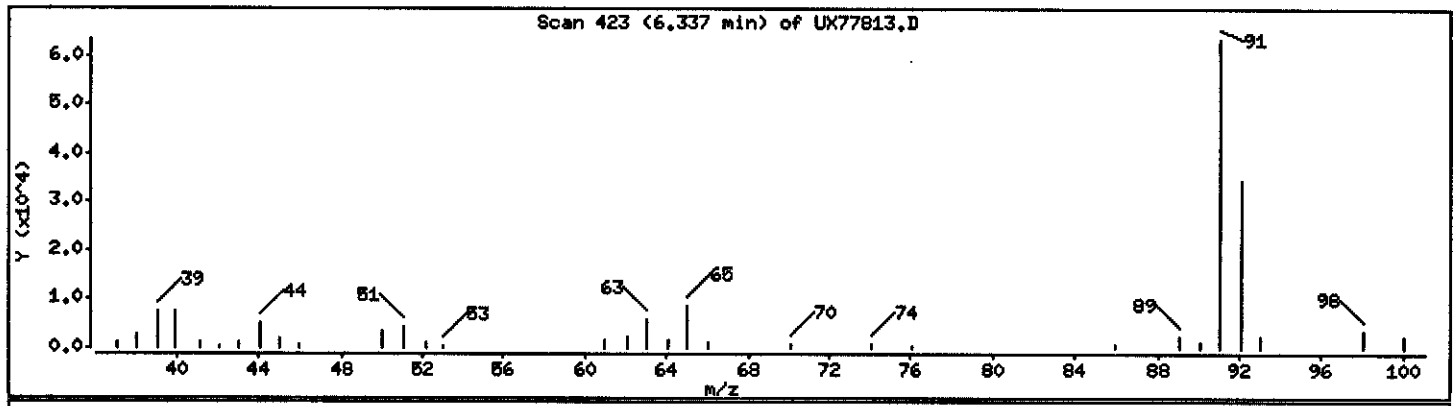
Client ID: FB001/070904 Instrument: a3ux7.i

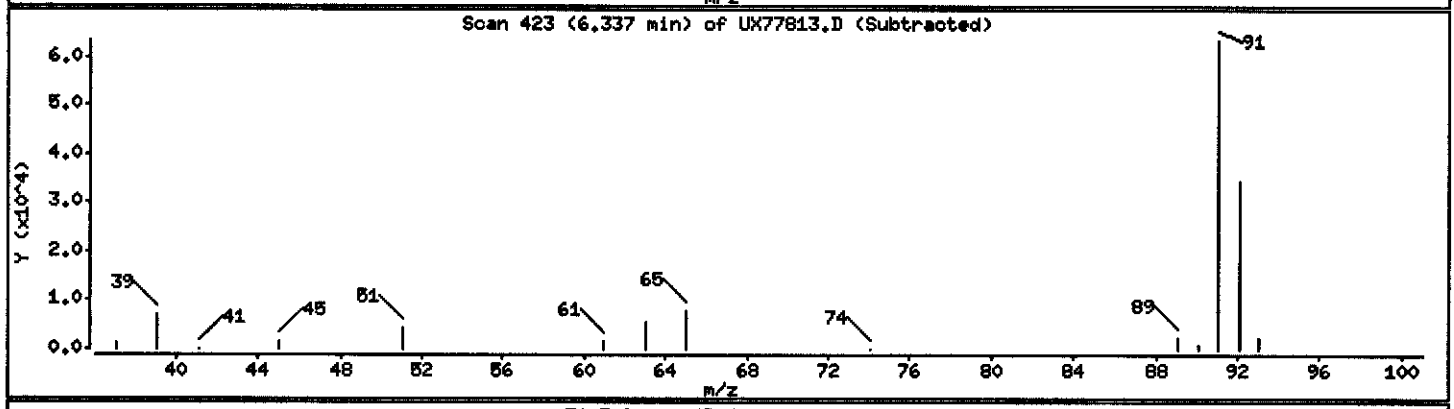
Sample Info: GKVQ31AA,5ML/5ML

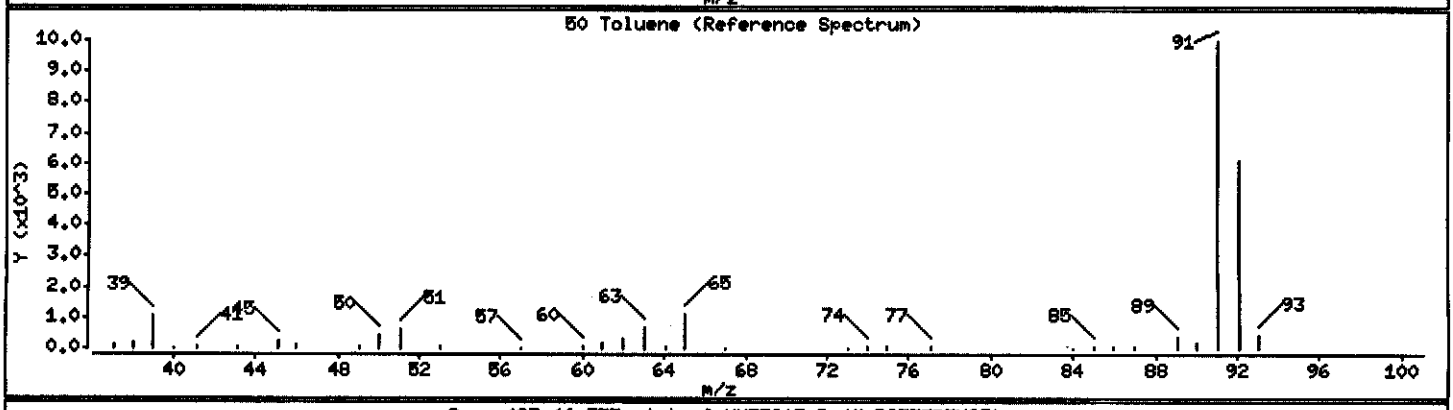
Purge Volume: 5.0 Operator: 1754

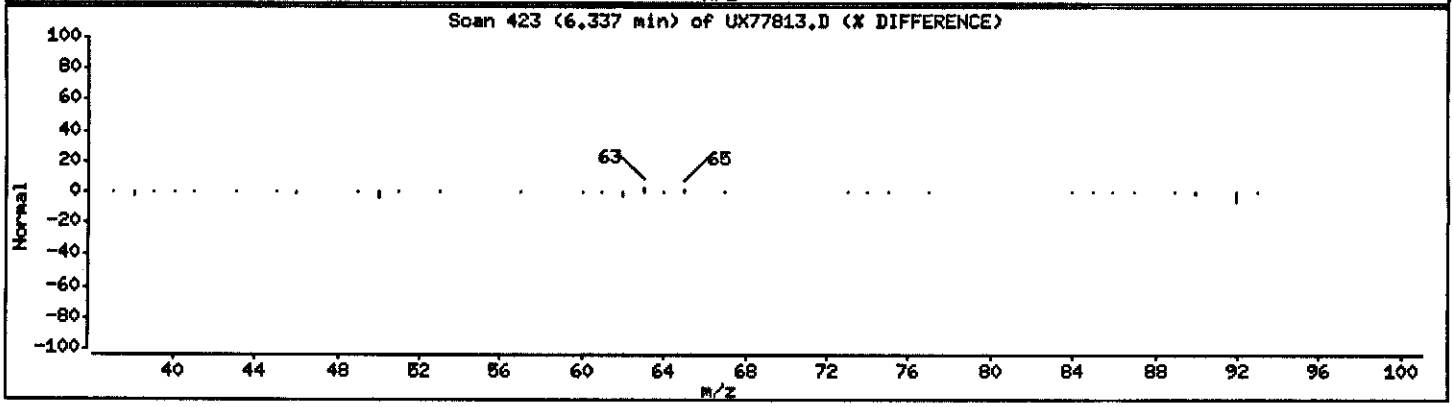
Column phase: DB624 20m Column diameter: 0.18

50 Toluene Concentration: 0.8443 ug/L









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Date : 19-JUL-2004 23:27

Client ID: FB001/070904

Instrument: a3ux7.i

Sample Info: GKVQ31AA,5ML/5ML

Purge Volume: 5.0

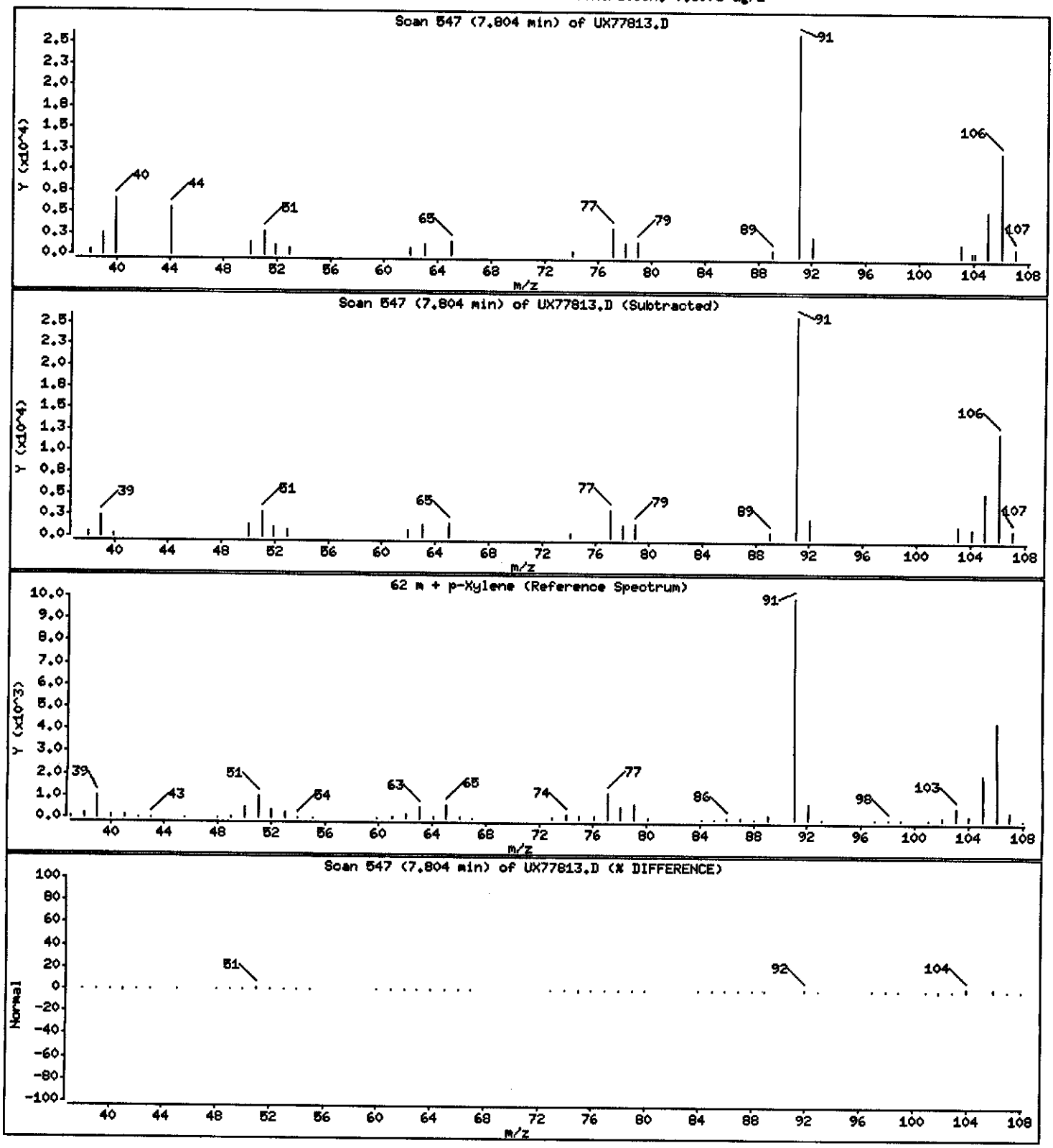
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

62 m + p-Xylene

Concentration: 0.3973 ug/L



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Date : 19-JUL-2004 23:27

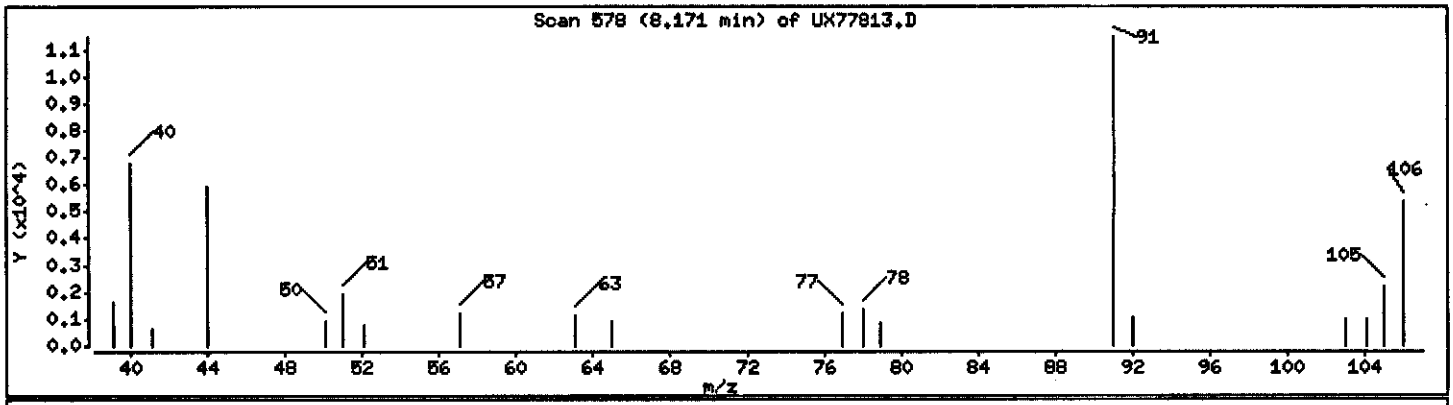
Client ID: FB001/070904 Instrument: a3ux7.i

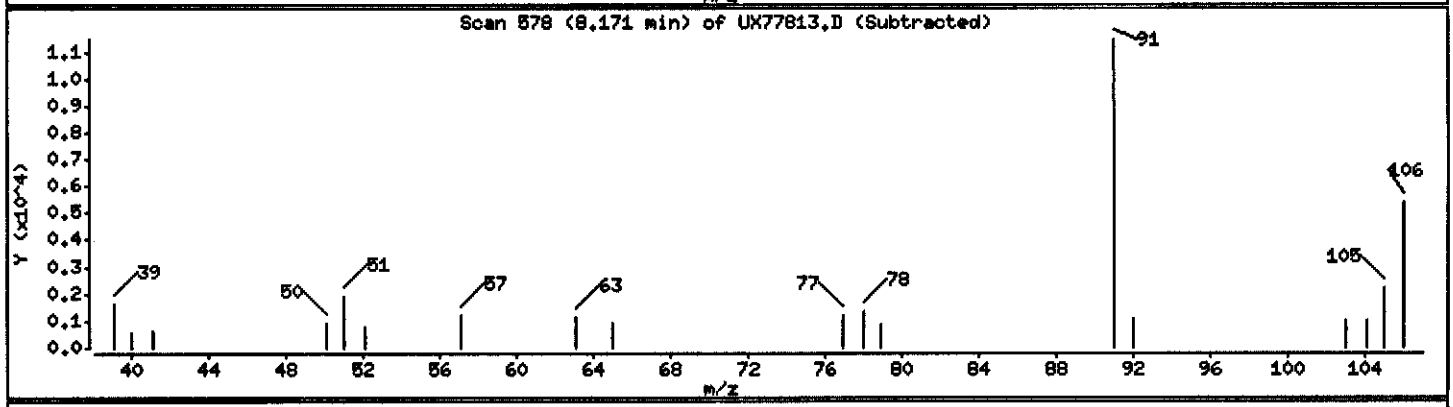
Sample Info: GKVQ31AA,5ML/5ML

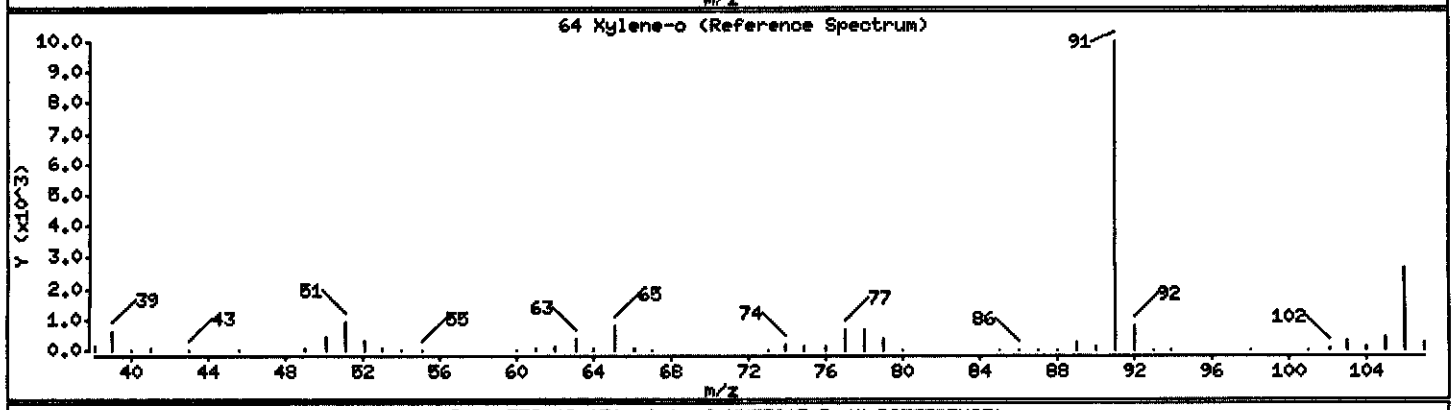
Purge Volume: 5.0 Operator: 1754

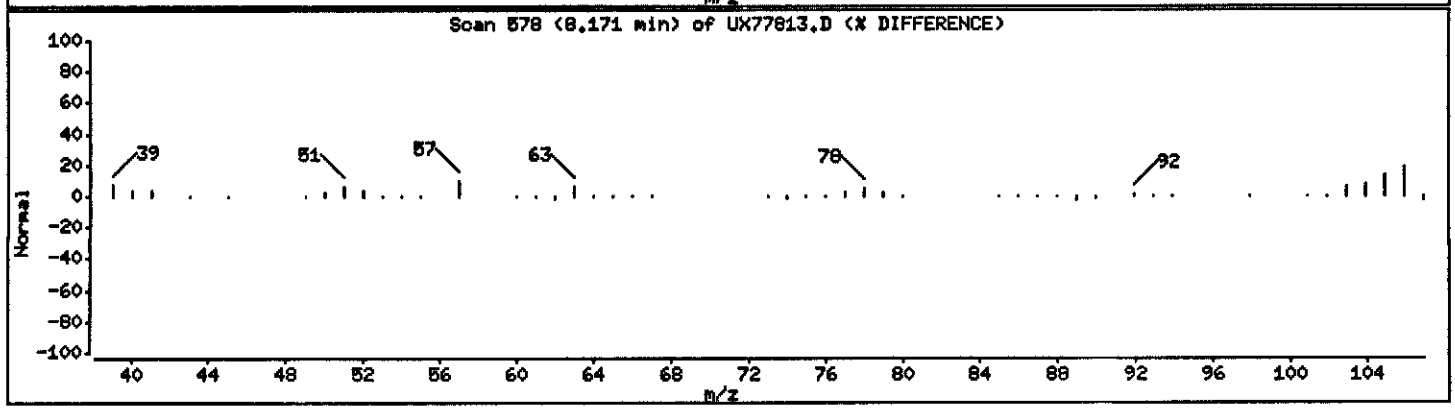
Column phase: DB624 20m Column diameter: 0.18

64 Xylene-o Concentration: 0.1827 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77813.D

Date : 19-JUL-2004 23:27

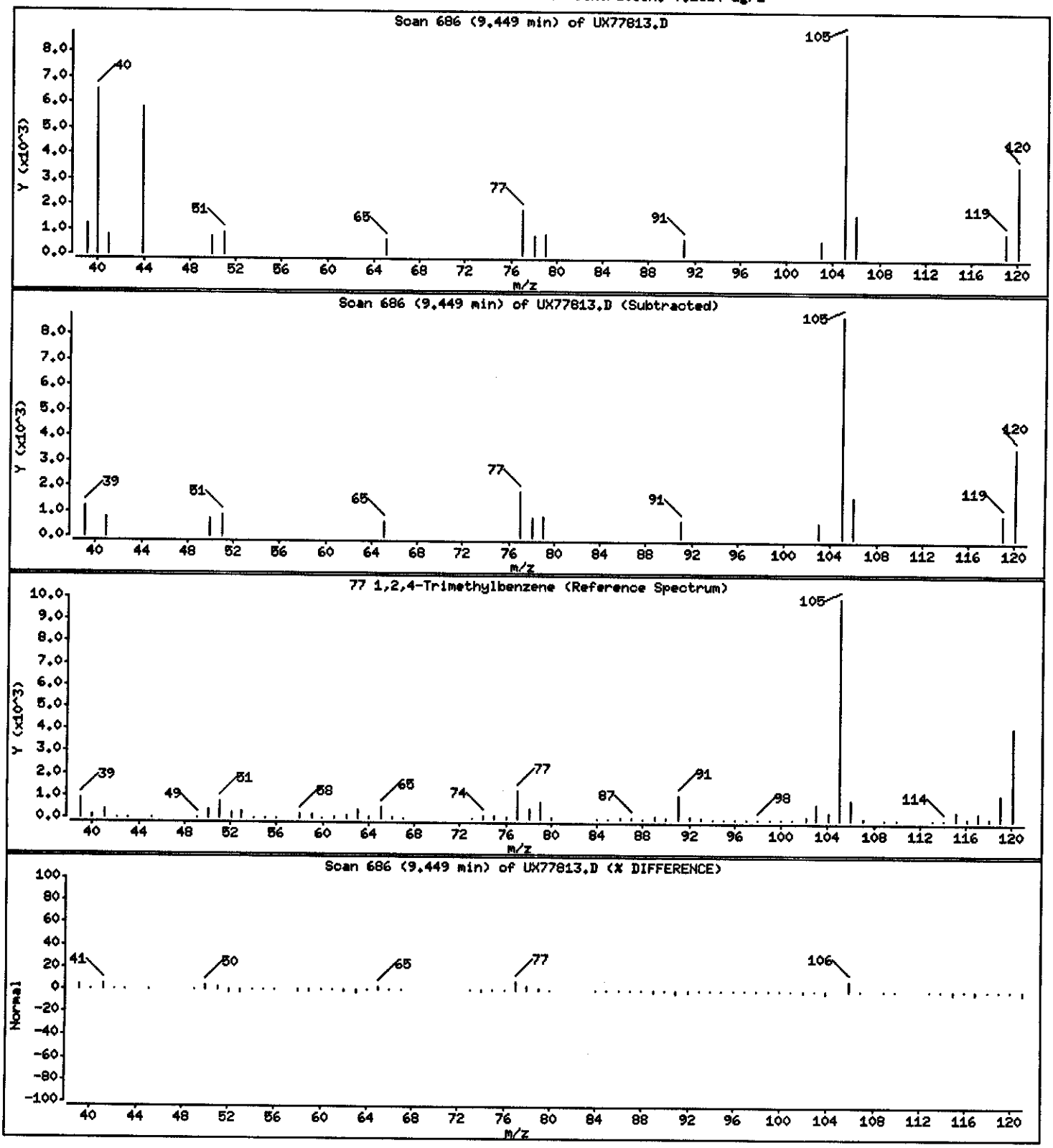
Client ID: FB001/070904 Instrument: a3ux7.i

Sample Info: GKVQ31AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

77 1,2,4-Trimethylbenzene Concentration: 0.1624 ug/L



PAYNE FIRM INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A4G100202-019 **Work Order #...:** GKVQ51AA **Matrix.....:** WQ
Date Sampled...: 07/09/04 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202123
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

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

GC/MS Volatiles

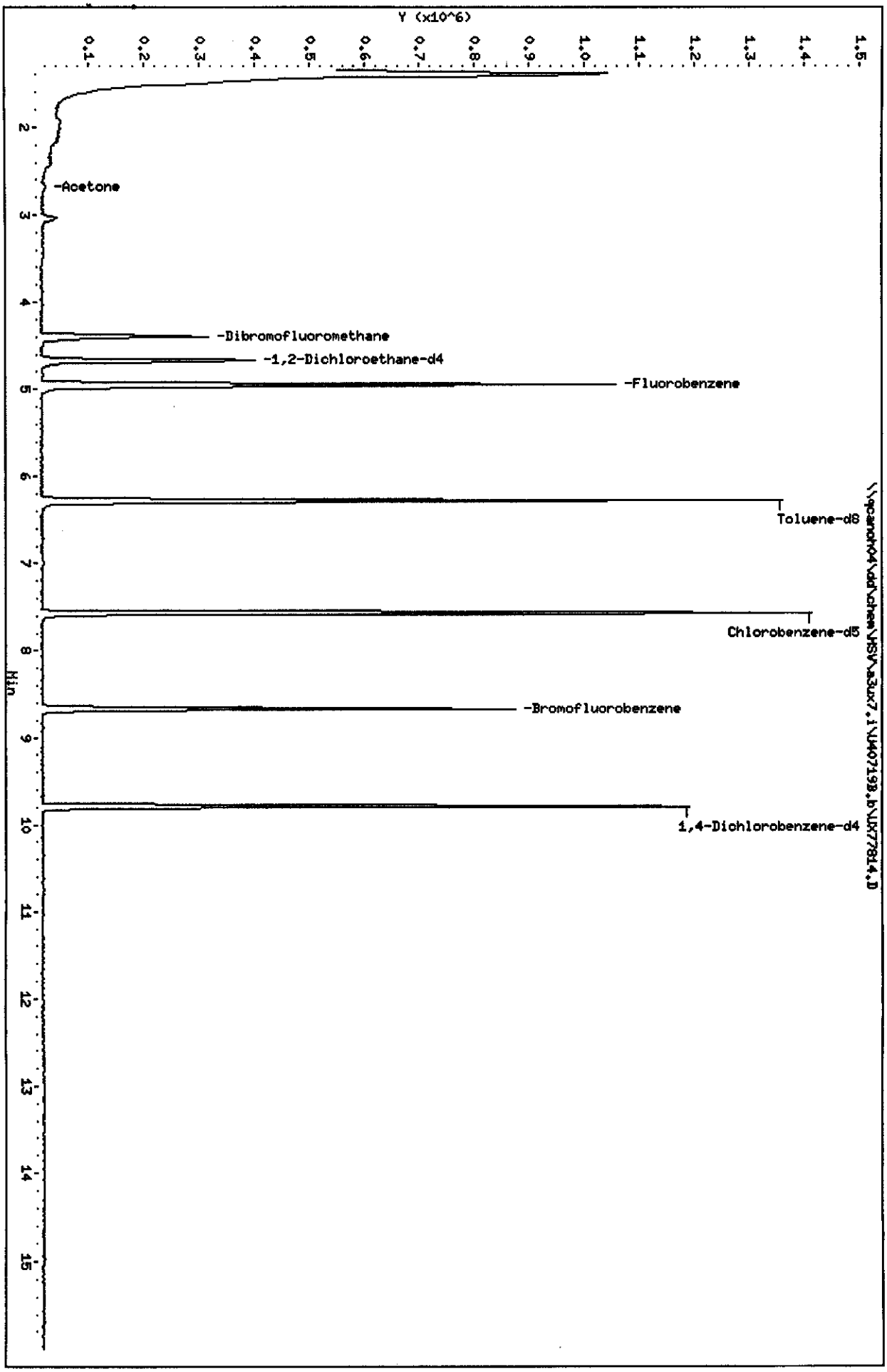
Lot-Sample #...: A4G100202-019 **Work Order #...:** GKVQ51AA **Matrix.....:** WQ

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	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
Toluene-d8	92	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U407198.b\UX77814.D
Date : 19-JUL-2004 23:51
Client ID: TRIP BLANK
Sample Info: CKV051AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Acetone
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\HSV\a3ux7.i\U407198.b\UX77814.D
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77814.D
Report Date: 20-Jul-2004 10:06

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77814.D
Lab Smp Id: GKVQ51AA Client Smp ID: TRIP BLANK
Inj Date : 19-JUL-2004 23:51
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GKVQ51AA,5ML/5ML
Misc Info : U40719B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 08:40 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 41
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	4.943	4.952	(1.000)	1173010	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.567	(1.000)	806400	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.792	(1.000)	346141	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.396	(0.890)	245594	47.4749	9.495
$ 5 1,2-Dichloroethane-d4	65	4.671	4.668	(0.945)	364597	46.3749	9.275
$ 6 Toluene-d8	98	6.281	6.277	(0.830)	1008407	46.1838	9.237
$ 7 Bromofluorobenzene	95	8.671	8.667	(1.145)	355514	42.1704	8.434
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	2.680	(0.545)	22666	7.15518	1.431
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77814.D
Report Date: 20-Jul-2004 10:06

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77814.D
Report Date: 20-Jul-2004 10:06

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40719B.b\UX77814.D

Date : 19-JUL-2004 23:51

Client ID: TRIP BLANK

Instrument: a3ux7.i

Sample Info: GKVQ51AA,5ML/5ML

Purge Volume: 5.0

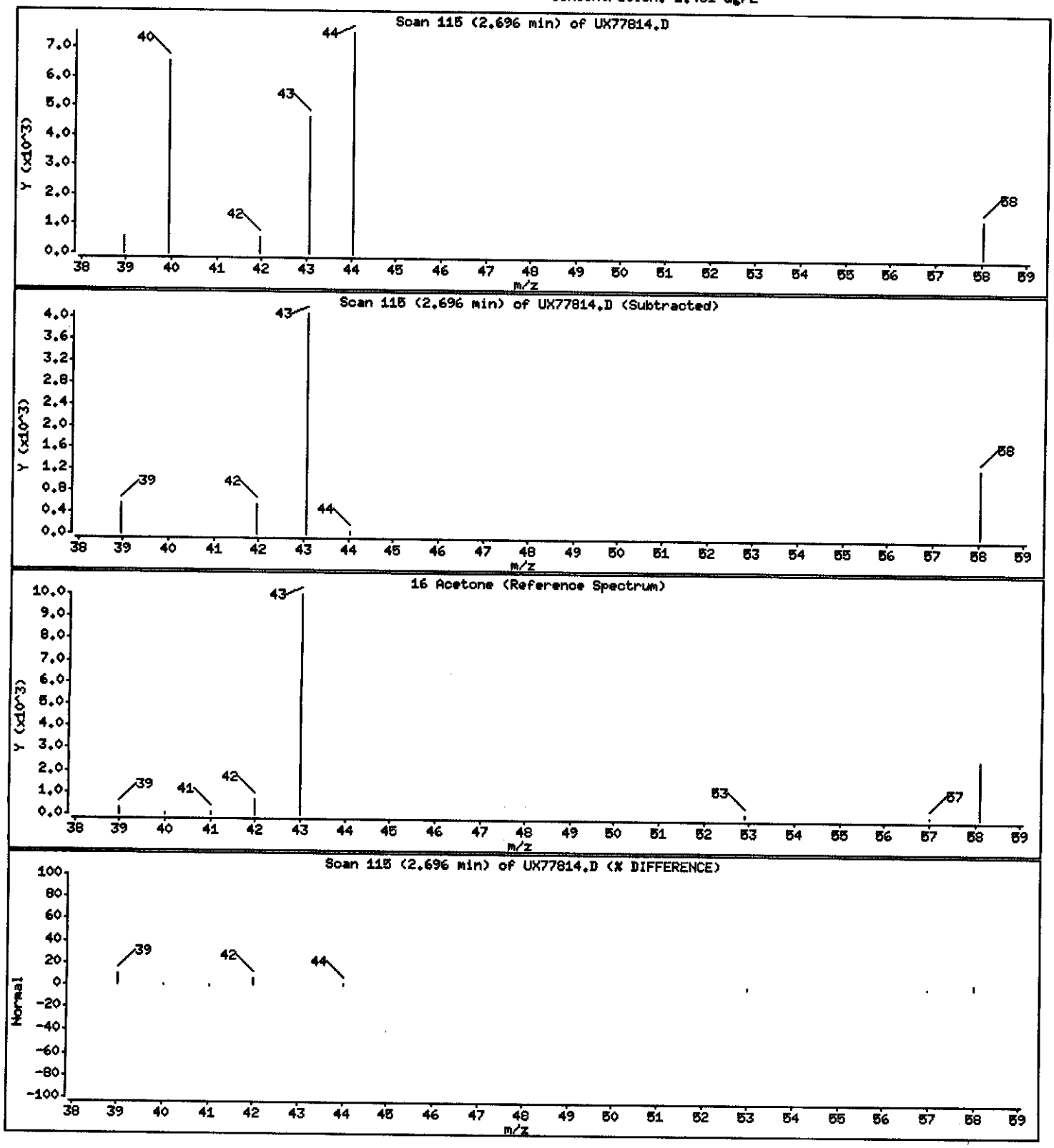
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

16 Acetone

Concentration: 1.431 ug/L



SEVERN TRENT STL

STANDARD DATA

Report Date: 15-Jul-2004 15:15

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Start Cal Date: 20-APR-2004 14:54
End Cal Date : 15-JUL-2004 14:56
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
15-JUL-2004 09:20	1-8260	UX77653.D
Cal Level: 2 , Cal Amount: 10.000		
15-JUL-2004 12:58	3-IX	UX77661.D
15-JUL-2004 09:43	1-8260	UX77654.D
Cal Level: 3 , Cal Amount: 25.000		
15-JUL-2004 13:21	3-IX	UX77662.D
15-JUL-2004 10:07	1-8260	UX77655.D
Cal Level: 4 , Cal Amount: 50.000		
15-JUL-2004 14:09	3-IX	UX77663.D
15-JUL-2004 10:30	1-8260	UX77656.D
Cal Level: 5 , Cal Amount: 100.00		
21-APR-2004 11:13	3-IX	UX74912.D
15-JUL-2004 10:53	1-8260	UX77657.D
Cal Level: 6 , Cal Amount: 200.00		
15-JUL-2004 14:56	3-IX	UX77665.D
15-JUL-2004 11:16	1-8260	UX77658.D

Continuing Calibration

15-JUL-2004 14:09	3-IX	UX77663.D
15-JUL-2004 10:30	1-8260	UX77656.D

Report Date : 15-Jul-2004 15:19

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 15-JUL-2004 14:56
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Cal Date : 15-Jul-2004 15:18 roachc
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77660.D
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
Level 5: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77664.D
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	0.29957	0.22463	0.19376	0.18350	0.18408	0.20108	0.21444	20.683
	9 Chloromethane	0.49816	0.44355	0.38418	0.37259	0.35701	0.36194	0.40291	13.943
	10 Vinyl Chloride	0.42619	0.34155	0.32507	0.32752	0.31801	0.34163	0.34666	11.561
	11 Bromomethane	0.25240	0.20263	0.18687	0.18121	0.16456	0.15165	0.18989	18.630
	12 Chloroethane	0.30198	0.23923	0.21816	0.22030	0.21330	0.21592	0.23482	14.552
	13 Trichlorofluoromethane	0.36545	0.31628	0.29983	0.29740	0.27678	0.30492	0.31011	9.679
	14 Dichlorofluoromethane	0.62558	0.50741	0.45882	0.42660	0.42898	0.44267	0.48167	15.872
	15 Acrolein	0.05805	0.05451	0.05118	0.05285	0.05055	0.05136	0.05308	5.311
	16 Acetone	0.21301	0.15734	0.13104	0.15252	0.13937	0.12383	0.15285	20.973
	17 1,1-Dichloroethene	0.30443	0.23024	0.22599	0.24475	0.21633	0.21537	0.23952	14.010
	18 Freon-113	0.15472	0.12703	0.13171	0.15672	0.13683	0.14150	0.14142	8.564
	19 Iodomethane	0.38516	0.32828	0.32135	0.36512	0.31916	0.31446	0.33892	8.587
	20 Carbon Disulfide	0.96417	0.80907	0.79840	0.89697	0.78994	0.80336	0.84365	8.402
	21 Methylene Chloride	0.60124	0.37926	0.31015	0.32984	0.27579	0.26402	0.36005	34.749
	22 Acetonitrile	0.04664	0.04095	0.03793	0.03769	0.03550	0.03695	0.03928	10.252
	23 Acrylonitrile	0.12702	0.12645	0.11500	0.11920	0.11794	0.12045	0.12101	3.959
	24 Methyl tert-butyl ether	1.29198	1.13724	1.07879	1.22251	1.06809	1.05543	1.14234	8.392
	25 trans-1,2-Dichloroethene	0.33628	0.27190	0.26708	0.29229	0.26029	0.25511	0.28049	10.763
	26 Hexane	0.06385	0.04125	0.04346	0.04866	0.04276	0.04435	0.04739	17.813
	27 Vinyl acetate	0.64184	0.65831	0.64355	0.64471	0.63625	0.65388	0.64642	1.262
	28 1,1-Dichloroethane	0.62329	0.53280	0.51002	0.57555	0.50727	0.50294	0.54198	8.876
	29 tert-Butyl Alcohol	0.03728	0.03190	0.03050	0.03499	0.03134	0.03097	0.03283	8.224
	30 2-Butanone	0.22331	0.19613	0.17199	0.20201	0.18608	0.17609	0.19260	9.807
M	31 1,2-Dichloroethene (total)	0.34424	0.28284	0.27388	0.30641	0.26936	0.26287	0.28993	10.556
	32 cis-1,2-dichloroethene	0.35219	0.29377	0.28069	0.32053	0.27843	0.27064	0.29938	10.438

Report Date : 15-Jul-2004 15:19

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 15-JUL-2004 14:56
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Cal Date : 15-Jul-2004 15:18 roachc
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	0.52209	0.42275	0.42200	0.47420	0.41023	0.40864	0.44332	10.255	
	34 Bromochloromethane	0.14800	0.12037	0.11744	0.13276	0.11558	0.11450	0.12477	10.552	
	35 Chloroform	0.56577	0.47780	0.46041	0.52259	0.45395	0.44770	0.48803	9.564	
	36 Tetrahydrofuran	0.13075	0.09764	0.08739	0.09998	0.08802	0.08643	0.09837	17.143	
	37 1,1,1-Trichloroethane	0.51608	0.41032	0.41345	0.45590	0.39554	0.40378	0.43251	10.635	
	38 1,1-Dichloropropene	0.41610	0.34465	0.35396	0.39103	0.33963	0.35087	0.36604	8.342	
	39 Carbon Tetrachloride	0.37943	0.30587	0.31094	0.34512	0.30031	0.30771	0.32490	9.575	
	40 1,2-Dichloroethane	0.50032	0.43020	0.40191	0.45581	0.39896	0.39491	0.43035	9.634	
	41 Benzene	1.52272	1.20088	1.12309	1.26473	1.10288	1.10269	1.21950	13.267	
	42 Trichloroethene	0.29974	0.25940	0.25061	0.28024	0.24228	0.24107	0.26222	8.894	
	43 1,2-Dichloropropane	0.36950	0.31017	0.30014	0.34154	0.29353	0.29411	0.31816	9.694	
	44 1,4-Dioxane	0.00294	0.00276	0.00253	0.00300	0.00267	0.00266	0.00276	6.590	<-
	45 Dibromomethane	0.17970	0.15670	0.15021	0.17477	0.14876	0.14761	0.15963	8.824	
	46 Bromodichloromethane	0.44222	0.37505	0.36516	0.41434	0.36073	0.35548	0.38550	9.051	
	47 2-Chloroethyl vinyl ether	0.19726	0.19639	0.18664	0.19307	0.18818	0.19391	0.19258	2.240	
	48 cis-1,3-Dichloropropene	0.56002	0.48833	0.46257	0.53321	0.46332	0.45987	0.49455	8.588	
	49 4-Methyl-2-pentanone	0.34195	0.32017	0.30157	0.33956	0.31606	0.31038	0.32162	5.007	
	50 Toluene	2.11194	1.75376	1.68831	1.91480	1.66464	1.64365	1.79618	10.199	
	51 trans-1,3-Dichloropropene	0.75397	0.67315	0.63880	0.73577	0.64150	0.62257	0.67763	8.103	
	52 Ethyl Methacrylate	0.67839	0.62447	0.61138	0.69328	0.61034	0.59862	0.63608	6.238	
	53 1,1,2-Trichloroethane	0.40357	0.36283	0.33794	0.38961	0.33456	0.32431	0.35880	8.972	
	54 1,3-Dichloropropane	0.73857	0.67151	0.62458	0.72036	0.63265	0.61503	0.66712	7.838	
	55 Tetrachloroethene	0.28993	0.22917	0.23127	0.25946	0.22722	0.22096	0.24300	10.945	
	56 2-Hexanone	0.44843	0.40678	0.35749	0.43186	0.39514	0.36562	0.40089	8.935	
	57 Dibromochloromethane	0.42653	0.34833	0.34641	0.39903	0.34453	0.33617	0.36683	10.052	
	58 1,2-Dibromoethane	0.37814	0.35113	0.32897	0.37714	0.32928	0.32360	0.34804	7.126	
	59 Chlorobenzene	1.19692	1.04026	1.00188	1.13384	0.98803	0.96165	1.05376	8.758	
	60 1,1,1,2-Tetrachloroethane	0.42677	0.36482	0.34578	0.39361	0.34558	0.33060	0.36786	9.812	
	61 Ethylbenzene	0.64519	0.55022	0.52036	0.58399	0.51198	0.50429	0.55267	9.773	
	62 m + p-Xylene	0.77674	0.65940	0.63094	0.72287	0.62411	0.61882	0.67215	9.532	
M	63 Xylenes (total)	0.76869	0.66262	0.63133	0.71789	0.62404	0.61392	0.66975	9.165	
	64 Xylene-o	0.75258	0.66907	0.63210	0.70794	0.62388	0.60413	0.66495	8.510	
	65 Styrene	1.31697	1.16001	1.14120	1.31647	1.12512	1.10922	1.19483	8.027	

Report Date : 15-Jul-2004 15:19

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 15-JUL-2004 14:56
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Cal Date : 15-Jul-2004 15:18 roachc
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	0.25641	0.22041	0.20900	0.24636	0.21327	0.20995	0.22590	9.027
67 Isopropylbenzene	1.67756	1.35193	1.35128	1.54914	1.34184	1.34839	1.43669	9.938
68 1,1,2,2-Tetrachloroethane	1.29644	1.14432	1.03544	1.22119	1.05531	1.02153	1.12904	9.903
69 1,4-Dichloro-2-butene	0.49024	0.41034	0.37907	0.43788	0.38552	0.38422	0.41455	10.410
70 1,2,3-Trichloropropane	0.39364	0.34869	0.32566	0.37535	0.32523	0.30387	0.34541	9.823
71 Bromobenzene	0.97951	0.90687	0.84471	0.96651	0.81616	0.78489	0.88311	9.118
72 n-Propylbenzene	1.04195	0.82017	0.81897	0.91967	0.80255	0.78514	0.86474	11.413
73 2-Chlorotoluene	0.93719	0.82537	0.79045	0.88710	0.75282	0.73482	0.82129	9.571
74 1,3,5-Trimethylbenzene	3.30362	2.78607	2.66644	3.04408	2.67900	2.63601	2.85254	9.357
75 4-Chlorotoluene	0.99678	0.87142	0.80323	0.91754	0.79915	0.76494	0.85884	10.165
76 tert-Butylbenzene	2.59228	2.11636	2.10617	2.37677	2.09298	2.03944	2.22066	9.775
77 1,2,4-Trimethylbenzene	3.37231	2.88847	2.82387	3.22797	2.77415	2.75378	2.97342	8.789
78 sec-Butylbenzene	3.72434	3.02378	3.00366	3.40126	2.98790	2.98007	3.18684	9.696
79 4-Isopropyltoluene	2.87863	2.42167	2.37718	2.74098	2.38033	2.36734	2.52769	8.846
80 1,3-Dichlorobenzene	1.75649	1.49539	1.43282	1.64650	1.42221	1.36641	1.51997	9.903
81 1,4-Dichlorobenzene	1.87826	1.56022	1.49209	1.69655	1.47449	1.42388	1.58758	10.757
82 n-Butylbenzene	2.86597	2.33947	2.29464	2.65302	2.31678	2.32805	2.46632	9.623
83 1,2-Dichlorobenzene	1.75005	1.51428	1.44261	1.65412	1.40076	1.36060	1.52040	10.042
84 1,2-Dibromo-3-chloropropane	0.23342	0.20902	0.19459	0.23091	0.20812	0.20702	0.21385	7.085
85 1,2,4-Trichlorobenzene	1.03092	0.78135	0.74341	0.91791	0.79659	0.78841	0.84310	12.969
86 Hexachlorobutadiene	0.37206	0.29009	0.30564	0.34519	0.30494	0.30975	0.32128	9.612
87 Naphthalene	2.42262	2.48689	2.46665	3.10467	2.79959	2.82982	2.68504	10.076
88 1,2,3-Trichlorobenzene	0.66377	0.68383	0.66218	0.83646	0.73925	0.73228	0.71963	9.196
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	0.53728	0.40262	0.42251	0.47666	0.42761	0.44890	0.45260	10.729

Report Date : 15-Jul-2004 15:19

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 15-JUL-2004 14:56
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Cal Date : 15-Jul-2004 15:18 roachc
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	0.97199	0.85170	0.82597	0.96256	0.83856	0.81226	0.87717	8.102	
143 Methyl Acetate	0.23673	0.22414	0.21062	0.22795	0.21211	0.21337	0.22082	4.751	
144 Methylcyclohexane	0.39859	0.29381	0.29632	0.34656	0.30200	0.31978	0.32618	12.433	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	0.17224	0.27684	0.67836	0.85707	0.96410	1.03590	0.66408	54.609	<-
$ 4 Dibromofluoromethane	0.24446	0.22862	0.22142	0.19974	0.21417	0.21464	0.22051	6.866	
$ 5 1,2-Dichloroethane-d4	0.38231	0.33812	0.33848	0.30503	0.32620	0.32058	0.33512	7.831	
$ 6 Toluene-d8	1.48807	1.39982	1.37383	1.21433	1.33068	1.31629	1.35384	6.765	
$ 7 Bromofluorobenzene	0.61122	0.54115	0.51428	0.46282	0.51070	0.49614	0.52272	9.635	

Report Date : 15-Jul-2004 15:24

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 15-JUL-2004 14:56
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Cal Date : 15-Jul-2004 15:18 roachc

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77660.D
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
Level 5: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77664.D
Level 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	44910	67568	144530	267988	548636	1189168	QUAD	-0.07882	6.12646	-1.31185	0.99999
9 Chloromethane	0.49816	0.44355	0.38418	0.37259	0.35701	0.36194	AVRG		0.40291		13.94338
10 Vinyl Chloride	0.42619	0.34155	0.32507	0.32752	0.31801	0.34163	AVRG		0.34666		11.56081
11 Bromomethane	37838	60950	139394	264640	490463	896855	QUAD	-0.03685	5.51931	1.87957	0.99991
12 Chloroethane	0.30198	0.23923	0.21816	0.22030	0.21330	0.21592	AVRG		0.23482		14.55234
13 Trichlorofluoromethane	0.36545	0.31628	0.29983	0.29740	0.27678	0.30492	AVRG		0.31011		9.67946
14 Dichlorofluoromethane	94426	152427	339062	636441	1275165	2613190	QUAD	-0.05658	2.50410	-0.12045	0.99998
15 Acrolein	0.05805	0.05451	0.05118	0.05285	0.05055	0.05136	AVRG		0.05308		5.31141
16 Acetone	63866	94651	195502	445493	830751	1464611	QUAD	0.02643	5.99831	2.06418	0.99926

Report Date : 15-Jul-2004 15:24

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 15-JUL-2004 14:56
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Cal Date : 15-Jul-2004 15:18 roachc

	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	0.30443	0.23024	0.22599	0.24475	0.21633	0.21537	AVRG		0.23952		14.00966
	18 Freon-113	0.15472	0.12703	0.13171	0.15672	0.13683	0.14150	AVRG		0.14142		8.56440
	19 Iodomethane	0.38516	0.32828	0.32135	0.36512	0.31916	0.31446	AVRG		0.33892		8.58715
	20 Carbon Disulfide	0.96417	0.80907	0.79840	0.89697	0.78994	0.80336	AVRG		0.84365		8.40166
	21 Methylene Chloride	90135	114080	231356	481693	821960	1561373	QUAD	-0.08783	3.45688	0.39902	0.99860
	22 Acetonitrile	0.04664	0.04095	0.03793	0.03769	0.03550	0.03695	AVRG		0.03928		10.25207
	23 Acrylonitrile	0.12702	0.12645	0.11500	0.11920	0.11794	0.12045	AVRG		0.12101		3.95938
	24 Methyl tert-butyl ether	1.29198	1.13724	1.07879	1.22251	1.06809	1.05543	AVRG		1.14234		8.39181
	25 trans-1,2-Dichloroethene	0.33628	0.27190	0.26708	0.29229	0.26029	0.25511	AVRG		0.28049		10.76332
	26 Hexane	9572	12407	32422	71068	127452	262310	QUAD	-0.02804	23.21692	-2.65244	0.99862
	27 Vinyl acetate	0.64184	0.65831	0.64355	0.64471	0.63625	0.65388	AVRG		0.64642		1.26186
	28 1,1-Dichloroethane	0.62329	0.53280	0.51002	0.57555	0.50727	0.50294	AVRG		0.54198		8.87637
	29 tert-Butyl Alcohol	0.03728	0.03190	0.03050	0.03499	0.03134	0.03097	AVRG		0.03283		8.22355
	30 2-Butanone	0.22331	0.19613	0.17199	0.20201	0.18608	0.17609	AVRG		0.19260		9.80742
M	31 1,2-Dichloroethene (total)	0.34424	0.28284	0.27388	0.30641	0.26936	0.26287	AVRG		0.28993		10.55595
	32 cis-1,2-dichloroethene	0.35219	0.29377	0.28069	0.32053	0.27843	0.27064	AVRG		0.29938		10.43755
	33 2,2-Dichloropropane	0.52209	0.42275	0.42200	0.47420	0.41023	0.40864	AVRG		0.44332		10.25460

Report Date : 15-Jul-2004 15:24

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 15-JUL-2004 14:56
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Cal Date : 15-Jul-2004 15:18 roachc

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	0.14800	0.12037	0.11744	0.13276	0.11558	0.11450	AVRG		0.12477		10.55229	
35 Chloroform	0.56577	0.47780	0.46041	0.52259	0.45395	0.44770	AVRG		0.48803		9.56412	
36 Tetrahydrofuran	19601	29369	65190	146013	262325	511115	QUAD	-0.02367	10.79948	2.47785	0.99898	
37 1,1,1-Trichloroethane	0.51608	0.41032	0.41345	0.45590	0.39554	0.40378	AVRG		0.43251		10.63490	
38 1,1-Dichloropropene	0.41610	0.34465	0.35396	0.39103	0.33963	0.35087	AVRG		0.36604		8.34182	
39 Carbon Tetrachloride	0.37943	0.30587	0.31094	0.34512	0.30031	0.30771	AVRG		0.32490		9.57524	
40 1,2-Dichloroethane	0.50032	0.43020	0.40191	0.45581	0.39896	0.39491	AVRG		0.43035		9.63351	
41 Benzene	1.52272	1.20088	1.12309	1.26473	1.10288	1.10269	AVRG		1.21950		13.26655	
42 Trichloroethene	0.29974	0.25940	0.25061	0.28024	0.24228	0.24107	AVRG		0.26222		8.89408	
43 1,2-Dichloropropane	0.36950	0.31017	0.30014	0.34154	0.29353	0.29411	AVRG		0.31816		9.69442	
44 1,4-Dioxane	0.00294	0.00276	0.00253	0.00300	0.00267	0.00266	AVRG		0.00276		6.58966	<-
45 Dibromomethane	0.17970	0.15670	0.15021	0.17477	0.14876	0.14761	AVRG		0.15963		8.82406	
46 Bromodichloromethane	0.44222	0.37505	0.36516	0.41434	0.36073	0.35548	AVRG		0.38550		9.05086	
47 2-Chloroethyl vinyl ether	0.19726	0.19639	0.18664	0.19307	0.18818	0.19391	AVRG		0.19258		2.23951	
48 cis-1,3-Dichloropropene	0.56002	0.48833	0.46257	0.53321	0.46332	0.45987	AVRG		0.49455		8.58816	
49 4-Methyl-2-pentanone	0.34195	0.32017	0.30157	0.33956	0.31606	0.31038	AVRG		0.32162		5.00734	
50 Toluene	2.11194	1.75376	1.68831	1.91480	1.66464	1.64365	AVRG		1.79618		10.19853	

Report Date : 15-Jul-2004 15:24

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 15-JUL-2004 14:56
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Cal Date : 15-Jul-2004 15:18 roachc

	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	0.75397	0.67315	0.63880	0.73577	0.64150	0.62257	AVRG		0.67763		8.10251
	52 Ethyl Methacrylate	0.67839	0.62447	0.61138	0.69328	0.61034	0.59862	AVRG		0.63608		6.23843
	53 1,1,2-Trichloroethane	0.40357	0.36283	0.33794	0.38961	0.33456	0.32431	AVRG		0.35880		8.97217
	54 1,3-Dichloropropane	0.73857	0.67151	0.62458	0.72036	0.63265	0.61503	AVRG		0.66712		7.83765
	55 Tetrachloroethene	0.28993	0.22917	0.23127	0.25946	0.22722	0.22096	AVRG		0.24300		10.94470
	56 2-Hexanone	0.44843	0.40678	0.35749	0.43186	0.39514	0.36562	AVRG		0.40089		8.93483
	57 Dibromochloromethane	0.42653	0.34833	0.34641	0.39903	0.34453	0.33617	AVRG		0.36683		10.05157
	58 1,2-Dibromoethane	0.37814	0.35113	0.32897	0.37714	0.32928	0.32360	AVRG		0.34804		7.12560
	59 Chlorobenzene	1.19692	1.04026	1.00188	1.13384	0.98803	0.96165	AVRG		1.05376		8.75792
	60 1,1,1,2-Tetrachloroethane	0.42677	0.36482	0.34578	0.39361	0.34558	0.33060	AVRG		0.36786		9.81247
	61 Ethylbenzene	0.64519	0.55022	0.52036	0.58399	0.51198	0.50429	AVRG		0.55267		9.77287
	62 m + p-Xylene	0.77674	0.65940	0.63094	0.72287	0.62411	0.61882	AVRG		0.67215		9.53177
M	63 Xylenes (total)	0.76869	0.66262	0.63133	0.71789	0.62404	0.61392	AVRG		0.66975		9.16505
	64 Xylene-o	0.75258	0.66907	0.63210	0.70794	0.62388	0.60413	AVRG		0.66495		8.50956
	65 Styrene	1.31697	1.16001	1.14120	1.31647	1.12512	1.10922	AVRG		1.19483		8.02683
	66 Bromoform	0.25641	0.22041	0.20900	0.24636	0.21327	0.20995	AVRG		0.22590		9.02737
	67 Isopropylbenzene	1.67756	1.35193	1.35128	1.54914	1.34184	1.34839	AVRG		1.43669		9.93839

Report Date : 15-Jul-2004 15:24

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 15-JUL-2004 14:56
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Cal Date : 15-Jul-2004 15:18 roachc

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	1.29644	1.14432	1.03544	1.22119	1.05531	1.02153	AVRG		1.12904		9.90258
69 1,4-Dichloro-2-butene	0.49024	0.41034	0.37907	0.43788	0.38552	0.38422	AVRG		0.41455		10.41025
70 1,2,3-Trichloropropane	0.39364	0.34869	0.32566	0.37535	0.32523	0.30387	AVRG		0.34541		9.82252
71 Bromobenzene	0.97951	0.90687	0.84471	0.96651	0.81616	0.78489	AVRG		0.88311		9.11752
72 n-Propylbenzene	1.04195	0.82017	0.81897	0.91967	0.80255	0.78514	AVRG		0.86474		11.41338
73 2-Chlorotoluene	0.93719	0.82537	0.79045	0.88710	0.75282	0.73482	AVRG		0.82129		9.57146
74 1,3,5-Trimethylbenzene	3.30362	2.78607	2.66644	3.04408	2.67900	2.63601	AVRG		2.85254		9.35709
75 4-Chlorotoluene	0.99678	0.87142	0.80323	0.91754	0.79915	0.76494	AVRG		0.85884		10.16459
76 tert-Butylbenzene	2.59228	2.11636	2.10617	2.37677	2.09298	2.03944	AVRG		2.22066		9.77503
77 1,2,4-Trimethylbenzene	3.37231	2.88847	2.82387	3.22797	2.77415	2.75378	AVRG		2.97342		8.78858
78 sec-Butylbenzene	3.72434	3.02378	3.00366	3.40126	2.98790	2.98007	AVRG		3.18684		9.69570
79 4-Isopropyltoluene	2.87863	2.42167	2.37718	2.74098	2.38033	2.36734	AVRG		2.52769		8.84575
80 1,3-Dichlorobenzene	1.75649	1.49539	1.43282	1.64650	1.42221	1.36641	AVRG		1.51997		9.90300
81 1,4-Dichlorobenzene	1.87826	1.56022	1.49209	1.69655	1.47449	1.42388	AVRG		1.58758		10.75710
82 n-Butylbenzene	2.86597	2.33947	2.29464	2.65302	2.31678	2.32805	AVRG		2.46632		9.62276
83 1,2-Dichlorobenzene	1.75005	1.51428	1.44261	1.65412	1.40076	1.36060	AVRG		1.52040		10.04235
84 1,2-Dibromo-3-chloropropane	0.23342	0.20902	0.19459	0.23091	0.20812	0.20702	AVRG		0.21385		7.08509

Report Date : 15-Jul-2004 15:24

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 15-JUL-2004 14:56
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Cal Date : 15-Jul-2004 15:18 roachc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
85 1,2,4-Trichlorobenzene	1.03092	0.78135	0.74341	0.91791	0.79659	0.78841	AVRG		0.84310		12.96912	
86 Hexachlorobutadiene	0.37206	0.29009	0.30564	0.34519	0.30494	0.30975	AVRG		0.32128		9.61169	
87 Naphthalene	2.42262	2.48689	2.46665	3.10467	2.79959	2.82982	AVRG		2.68504		10.07626	
88 1,2,3-Trichlorobenzene	0.66377	0.68383	0.66218	0.83646	0.73925	0.73228	AVRG		0.71963		9.19608	
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	0.53728	0.40262	0.42251	0.47666	0.42761	0.44890	AVRG		0.45260		10.72933	
99 n-Butanol	0.01506	0.01266	0.01251	0.01091	0.01260	0.01199	AVRG		0.01262		10.81213	
100 Methyl Methacrylate	0.29136	0.28151	0.27668	0.25084	0.26683	0.26969	AVRG		0.27282		5.08673	
101 2-Nitropropane	0.09057	0.08557	0.08575	0.07536	0.08322	0.08355	AVRG		0.08400		5.93430	

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 15-JUL-2004 14:56
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Cal Date : 15-Jul-2004 15:18 roachc

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	<-
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	0.97199	0.85170	0.82597	0.96256	0.83856	0.81226	AVRG		0.87717		8.10234	
143 Methyl Acetate	0.23673	0.22414	0.21062	0.22795	0.21211	0.21337	AVRG		0.22082		4.75141	
144 Methylcyclohexane	0.39859	0.29381	0.29632	0.34656	0.30200	0.31978	AVRG		0.32618		12.43342	
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	

Report Date : 15-Jul-2004 15:24

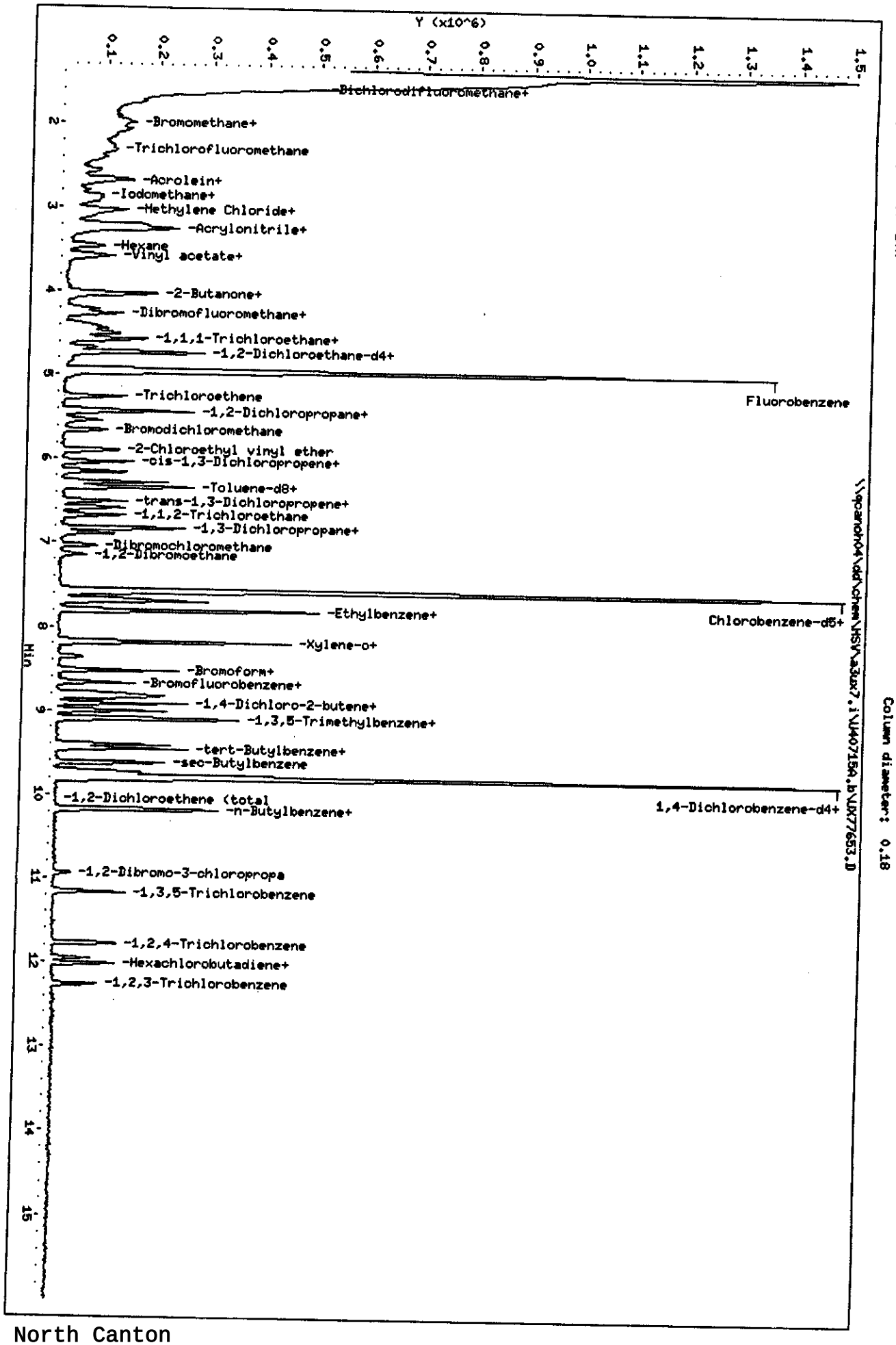
STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 15-JUL-2004 14:56
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Cal Date : 15-Jul-2004 15:18 roachc

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	0.24446	0.22862	0.22142	0.19974	0.21417	0.21464	AVRG		0.22051		6.86624
$ 5 1,2-Dichloroethane-d4	0.38231	0.33812	0.33848	0.30503	0.32620	0.32058	AVRG		0.33512		7.83115
$ 6 Toluene-d8	1.48807	1.39982	1.37383	1.21433	1.33068	1.31629	AVRG		1.35384		6.76493
$ 7 Bromofluorobenzene	0.61122	0.54115	0.51428	0.46282	0.51070	0.49614	AVRG		0.52272		9.63468

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U407150.b\UX77653.D
Date : 15-JUL-2004 09:20
Client ID:
Sample Info: 5.0NG8260CAL
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+
-1,2-Dichloroethane-d4+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene+
-Toluene-d8+
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
-Ethylbenzene+
-Xylene-o+
-Bromoform+
-Bromofluorobenzene+
-1,4-Dichloro-2-butene+
-1,3,5-Trimethylbenzene+
-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\U407150.b\UX77653.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77653.D
Report Date: 16-Jul-2004 08:33

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77653.D
Lab Smp Id: 5.0NG8260CAL
Inj Date : 15-JUL-2004 09:20
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 5.0NG8260CAL
Misc Info : U40715A,N8260UX7-3,1-8260.SUB,1754,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:33 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	4.943	4.943	(1.000)	1499150	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.569	(1.000)	1017536	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.794	(1.000)	435301	50.0000	
$ 4 Dibromofluoromethane	113	4.398	4.398	(0.890)	36648	5.00000	5.543
$ 5 1,2-Dichloroethane-d4	65	4.670	4.670	(0.945)	57314	5.00000	5.704
$ 6 Toluene-d8	98	6.280	6.280	(0.830)	151416	5.00000	5.496
$ 7 Bromofluorobenzene	95	8.670	8.670	(1.145)	62194	5.00000	5.846
8 Dichlorodifluoromethane	85	1.582	1.582	(0.320)	44910	5.00000	5.177
9 Chloromethane	50	1.641	1.641	(0.332)	74682	5.00000	6.182
10 Vinyl Chloride	62	1.748	1.748	(0.354)	63893	5.00000	6.147
11 Bromomethane	94	1.996	1.996	(0.404)	37838	5.00000	5.183
12 Chloroethane	64	2.067	2.067	(0.418)	45271	5.00000	6.430
13 Trichlorofluoromethane	101	2.316	2.316	(0.469)	54786	5.00000	5.892
15 Acrolein	56	2.564	2.564	(0.519)	87025	50.0000	54.677
16 Acetone	43	2.671	2.671	(0.540)	63866	10.0000	14.286
17 1,1-Dichloroethene	96	2.671	2.671	(0.540)	45638	5.00000	6.355
18 Freon-113	151	2.694	2.694	(0.545)	23195	5.00000	5.470

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77653.D
Report Date: 16-Jul-2004 08:33

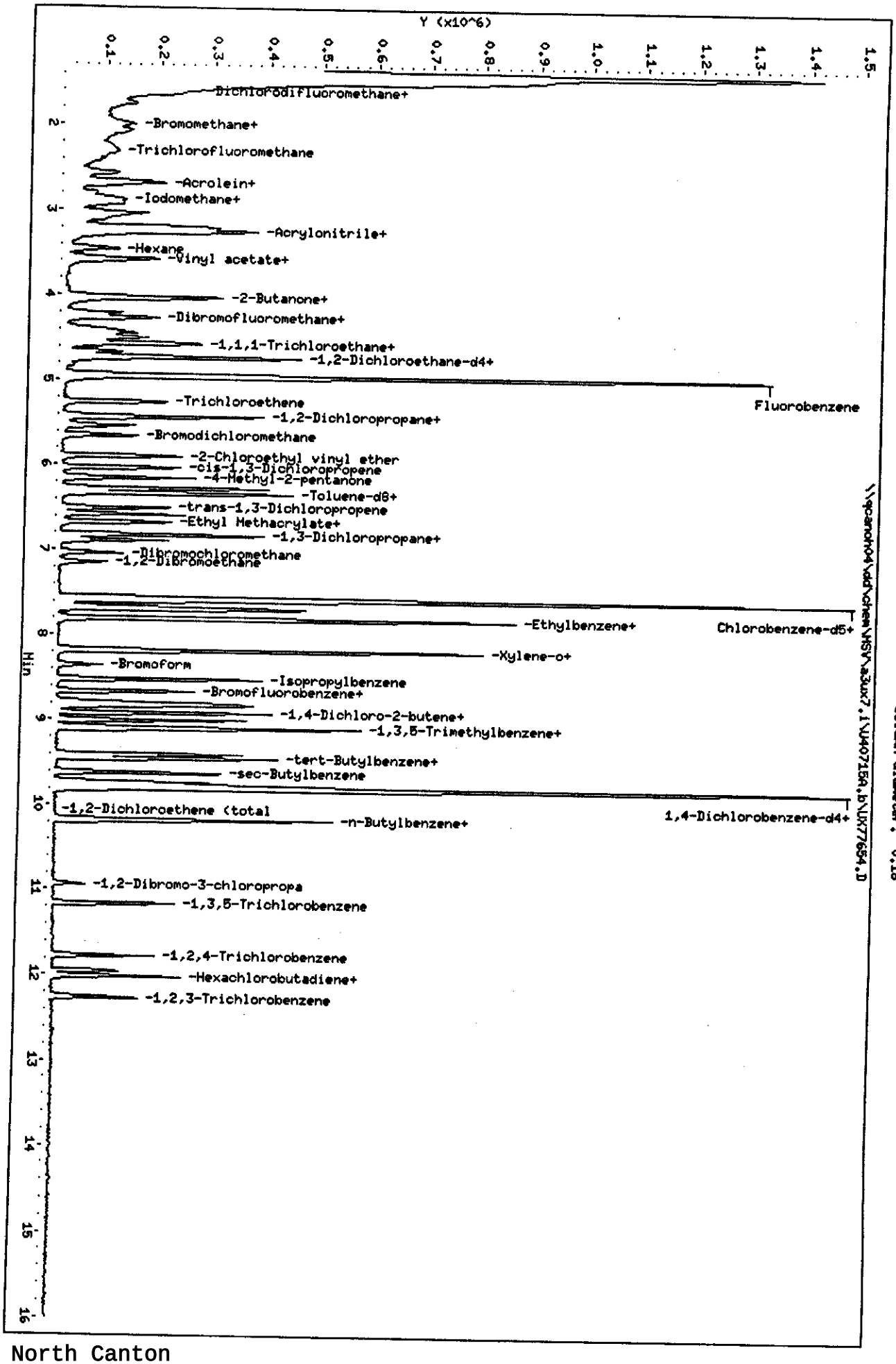
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.801	2.801	(0.567)	57741	5.00000	5.682
	20 Carbon Disulfide	76	2.860	2.860	(0.579)	144544	5.00000	5.714
	21 Methylene Chloride	84	3.037	3.037	(0.615)	90135	5.00000	6.073
	22 Acetonitrile	41	2.895	2.895	(0.586)	69925	50.0000	59.376
	23 Acrylonitrile	53	3.203	3.203	(0.648)	190419	50.0000	52.482
	24 Methyl tert-butyl ether	73	3.250	3.250	(0.658)	193687	5.00000	5.655
	25 trans-1,2-Dichloroethene	96	3.250	3.250	(0.658)	50413	5.00000	5.994
	26 Hexane	86	3.463	3.463	(0.701)	9572	5.00000	6.005
	27 Vinyl acetate	43	3.594	3.594	(0.727)	96222	5.00000	4.964
	28 1,1-Dichloroethane	63	3.570	3.570	(0.722)	93440	5.00000	5.750
	29 tert-Butyl Alcohol	59	3.097	3.097	(0.627)	111776	100.000	113.55
	30 2-Butanone	43	4.020	4.020	(0.813)	66955	10.0000	11.594
M	31 1,2-Dichloroethene (total)	96				103212	10.0000	11.876
	32 cis-1,2-dichloroethene	96	4.020	4.020	(0.813)	52799	5.00000	5.882
	33 2,2-Dichloropropane	77	4.031	4.031	(0.816)	78269	5.00000	5.888
	34 Bromochloromethane	128	4.221	4.221	(0.854)	22188	5.00000	5.931
	35 Chloroform	83	4.268	4.268	(0.864)	84817	5.00000	5.796
	36 Tetrahydrofuran	42	4.256	4.256	(0.861)	19601	5.00000	5.898
	37 1,1,1-Trichloroethane	97	4.446	4.446	(0.899)	77368	5.00000	5.966
	38 1,1-Dichloropropene	75	4.564	4.564	(0.923)	62380	5.00000	5.684
	39 Carbon Tetrachloride	117	4.576	4.576	(0.926)	56882	5.00000	5.839
	40 1,2-Dichloroethane	62	4.730	4.730	(0.957)	75006	5.00000	5.813
	41 Benzene	78	4.730	4.730	(0.957)	228278	5.00000	6.243
	42 Trichloroethene	130	5.250	5.250	(1.062)	44935	5.00000	5.715
	43 1,2-Dichloropropane	63	5.428	5.428	(1.098)	55394	5.00000	5.807
	44 1,4-Dioxane	88	5.534	5.534	(1.120)	22049	250.000	266.45(A)
	45 Dibromomethane	93	5.534	5.534	(1.120)	26940	5.00000	5.629
	46 Bromodichloromethane	83	5.652	5.652	(1.144)	66296	5.00000	5.736
	47 2-Chloroethyl vinyl ether	63	5.889	5.889	(1.192)	59144	10.0000	10.243
	48 cis-1,3-Dichloropropene	75	6.031	6.031	(1.220)	83955	5.00000	5.662
	49 4-Methyl-2-pentanone	43	6.149	6.149	(1.244)	102528	10.0000	10.632
	50 Toluene	91	6.339	6.339	(0.837)	214898	5.00000	5.879
	51 trans-1,3-Dichloropropene	75	6.504	6.504	(0.859)	76719	5.00000	5.563
	52 Ethyl Methacrylate	69	6.587	6.587	(0.870)	69029	5.00000	5.332
	53 1,1,2-Trichloroethane	97	6.670	6.670	(0.881)	41065	5.00000	5.624
	54 1,3-Dichloropropane	76	6.824	6.824	(0.902)	75152	5.00000	5.536
	55 Tetrachloroethene	164	6.836	6.836	(0.903)	29501	5.00000	5.966
	56 2-Hexanone	43	6.883	6.883	(0.909)	91259	10.0000	11.186
	57 Dibromochloromethane	129	7.037	7.037	(0.930)	43401	5.00000	5.814
	58 1,2-Dibromoethane	107	7.143	7.143	(0.944)	38477	5.00000	5.432
	59 Chlorobenzene	112	7.593	7.593	(1.003)	121791	5.00000	5.679
	60 1,1,1,2-Tetrachloroethane	131	7.664	7.664	(1.013)	43425	5.00000	5.801
	61 Ethylbenzene	106	7.700	7.700	(1.017)	65650	5.00000	5.837
	62 m + p-Xylene	106	7.806	7.806	(1.031)	158072	10.0000	11.556
M	63 Xylenes (total)	106				234650	15.0000	17.215
	64 Xylene-o	106	8.173	8.173	(1.080)	76578	5.00000	5.659
	65 Styrene	104	8.185	8.185	(1.081)	134006	5.00000	5.511

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77653.D
Report Date: 16-Jul-2004 08:33

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)	26091	5.00000	5.675
67 Isopropylbenzene	105	8.528	8.528	(1.127)	170698	5.00000	5.838
68 1,1,2,2-Tetrachloroethane	83	8.788	8.788	(0.897)	56434	5.00000	5.741
69 1,4-Dichloro-2-butene	53	8.847	8.847	(0.903)	21340	5.00000	5.913
70 1,2,3-Trichloropropane	110	8.836	8.836	(0.902)	17135	5.00000	5.698
71 Bromobenzene	156	8.812	8.812	(0.900)	42638	5.00000	5.546
72 n-Propylbenzene	120	8.918	8.918	(0.911)	45356	5.00000	6.025
73 2-Chlorotoluene	126	9.001	9.001	(0.919)	40796	5.00000	5.706
74 1,3,5-Trimethylbenzene	105	9.084	9.084	(0.927)	143807	5.00000	5.791
75 4-Chlorotoluene	126	9.108	9.108	(0.930)	43390	5.00000	5.803
76 tert-Butylbenzene	119	9.403	9.403	(0.960)	112842	5.00000	5.837
77 1,2,4-Trimethylbenzene	105	9.451	9.451	(0.965)	146797	5.00000	5.671
78 sec-Butylbenzene	105	9.616	9.616	(0.982)	162121	5.00000	5.843
79 4-Isopropyltoluene	119	9.758	9.758	(0.996)	125307	5.00000	5.694
80 1,3-Dichlorobenzene	146	9.735	9.735	(0.994)	76460	5.00000	5.778
81 1,4-Dichlorobenzene	146	9.818	9.818	(1.002)	81761	5.00000	5.915
82 n-Butylbenzene	91	10.161	10.161	(1.037)	124756	5.00000	5.810
83 1,2-Dichlorobenzene	146	10.184	10.184	(1.040)	76180	5.00000	5.755
84 1,2-Dibromo-3-chloropropane	157	10.942	10.942	(1.117)	10161	5.00000	5.458
85 1,2,4-Trichlorobenzene	180	11.782	11.782	(1.203)	44876	5.00000	6.114
86 Hexachlorobutadiene	225	11.959	11.959	(1.221)	16196	5.00000	5.790
87 Naphthalene	128	12.019	12.019	(1.227)	105457	5.00000	4.511
88 1,2,3-Trichlorobenzene	180	12.267	12.267	(1.252)	28894	5.00000	4.612
98 Cyclohexane	56	4.505	4.505	(0.911)	80546	5.00000	5.936
143 Methyl Acetate	43	2.931	2.931	(0.593)	70978	10.0000	10.720
144 Methylcyclohexane	83	5.428	5.428	(1.098)	59755	5.00000	6.110
141 1,3,5-Trichlorobenzene	180	11.167	11.167	(1.140)	42311	5.00000	5.540

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U407150.b\UX77654.D
Date : 15-JUL-2004 09:43
Client ID:
Sample Info: 10WB8260CAL
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+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Dibromofluoromethane+
-1,1,1-Trichloroethane+
-1,2-Dichloroethane-d4+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8+
-trans-1,3-Dichloropropene
-Ethyl Methacrylate+
-1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
-Ethylbenzene+
Chlorobenzene-d5+
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene+
-1,4-Dichloro-2-butene+
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene+
-sec-Butylbenzene
-1,2-Dichloroethene (total
-n-Butylbenzene+
1,4-Dichlorobenzene-d4+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene+
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux7.i\U407150.b\UX77654.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77654.D
Report Date: 16-Jul-2004 08:33

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77654.D
Lab Smp Id: 10NG8260CAL
Inj Date : 15-JUL-2004 09:43
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 10NG8260CAL
Misc Info : U40715A,N8260UX7-3,1-8260.SUB,1754,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:33 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	4.953	4.953	(1.000)	1503967	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.568	(1.000)	1008529	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	433380	50.0000	
$ 4 Dibromofluoromethane	113	4.397	4.397	(0.888)	68767	10.0000	10.368
$ 5 1,2-Dichloroethane-d4	65	4.669	4.669	(0.943)	101703	10.0000	10.089
$ 6 Toluene-d8	98	6.278	6.278	(0.830)	282351	10.0000	10.340
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	109153	10.0000	10.352
8 Dichlorodifluoromethane	85	1.604	1.604	(0.324)	67568	10.0000	9.689
9 Chloromethane	50	1.639	1.639	(0.331)	133417	10.0000	11.009
10 Vinyl Chloride	62	1.746	1.746	(0.353)	102737	10.0000	9.853
11 Bromomethane	94	1.994	1.994	(0.403)	60950	10.0000	9.496
12 Chloroethane	64	2.077	2.077	(0.419)	71959	10.0000	10.188
13 Trichlorofluoromethane	101	2.314	2.314	(0.467)	95135	10.0000	10.199
15 Acrolein	56	2.574	2.574	(0.520)	163965	100.000	102.69
16 Acetone	43	2.681	2.681	(0.541)	94651	20.0000	20.605
17 1,1-Dichloroethene	96	2.669	2.669	(0.539)	69254	10.0000	9.612
18 Freon-113	151	2.693	2.693	(0.544)	38211	10.0000	8.983

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77654.D
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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.799	2.799	(0.565)	98743	10.0000	9.686
	20 Carbon Disulfide	76	2.870	2.870	(0.580)	243363	10.0000	9.590
	21 Methylene Chloride	84	3.036	3.036	(0.613)	114080	10.0000	8.834
	22 Acetonitrile	41	2.894	2.894	(0.584)	123177	100.000	104.26
	23 Acrylonitrile	53	3.201	3.201	(0.646)	380347	100.000	104.49
	24 Methyl tert-butyl ether	73	3.261	3.261	(0.658)	342075	10.0000	9.955
	25 trans-1,2-Dichloroethene	96	3.249	3.249	(0.656)	81785	10.0000	9.694
	26 Hexane	86	3.450	3.450	(0.697)	12407	10.0000	8.166
	27 Vinyl acetate	43	3.592	3.592	(0.725)	198016	10.0000	10.184
	28 1,1-Dichloroethane	63	3.568	3.568	(0.720)	160262	10.0000	9.831
	29 tert-Butyl Alcohol	59	3.107	3.107	(0.627)	191890	200.000	194.32
	30 2-Butanone	43	4.018	4.018	(0.811)	117987	20.0000	20.366
M	31 1,2-Dichloroethene (total)	96				170150	20.0000	19.506
	32 cis-1,2-dichloroethene	96	4.030	4.030	(0.814)	88365	10.0000	9.813
	33 2,2-Dichloropropane	77	4.042	4.042	(0.816)	127161	10.0000	9.536
	34 Bromochloromethane	128	4.219	4.219	(0.852)	36206	10.0000	9.647
	35 Chloroform	83	4.266	4.266	(0.861)	143718	10.0000	9.790
	36 Tetrahydrofuran	42	4.255	4.255	(0.859)	29369	10.0000	9.408
	37 1,1,1-Trichloroethane	97	4.444	4.444	(0.897)	123422	10.0000	9.487
	38 1,1-Dichloropropene	75	4.562	4.562	(0.921)	103669	10.0000	9.416
	39 Carbon Tetrachloride	117	4.574	4.574	(0.924)	92005	10.0000	9.414
	40 1,2-Dichloroethane	62	4.728	4.728	(0.955)	129402	10.0000	9.996
	41 Benzene	78	4.728	4.728	(0.955)	361216	10.0000	9.847
	42 Trichloroethene	130	5.260	5.260	(1.062)	78026	10.0000	9.892
	43 1,2-Dichloropropane	63	5.426	5.426	(1.096)	93297	10.0000	9.749
	44 1,4-Dioxane	88	5.532	5.532	(1.117)	41524	500.000	500.19 (A)
	45 Dibromomethane	93	5.532	5.532	(1.117)	47134	10.0000	9.817
	46 Bromodichloromethane	83	5.651	5.651	(1.141)	112813	10.0000	9.729
	47 2-Chloroethyl vinyl ether	63	5.899	5.899	(1.191)	118144	20.0000	20.396
	48 cis-1,3-Dichloropropene	75	6.029	6.029	(1.217)	146887	10.0000	9.874
	49 4-Methyl-2-pentanone	43	6.160	6.160	(1.244)	192612	20.0000	19.910
	50 Toluene	91	6.337	6.337	(0.837)	353743	10.0000	9.764
	51 trans-1,3-Dichloropropene	75	6.503	6.503	(0.859)	135779	10.0000	9.934
	52 Ethyl Methacrylate	69	6.586	6.586	(0.870)	125960	10.0000	9.818
	53 1,1,2-Trichloroethane	97	6.668	6.668	(0.881)	73184	10.0000	10.112
	54 1,3-Dichloropropane	76	6.822	6.822	(0.902)	135448	10.0000	10.066
	55 Tetrachloroethene	164	6.834	6.834	(0.903)	46225	10.0000	9.431
	56 2-Hexanone	43	6.881	6.881	(0.909)	164101	20.0000	20.294
	57 Dibromochloromethane	129	7.035	7.035	(0.930)	70260	10.0000	9.496
	58 1,2-Dibromoethane	107	7.142	7.142	(0.944)	70824	10.0000	10.088
	59 Chlorobenzene	112	7.591	7.591	(1.003)	209827	10.0000	9.872
	60 1,1,1,2-Tetrachloroethane	131	7.662	7.662	(1.013)	73587	10.0000	9.917
	61 Ethylbenzene	106	7.698	7.698	(1.017)	110982	10.0000	9.956
	62 m + p-Xylene	106	7.804	7.804	(1.031)	266008	20.0000	19.621
M	63 Xylenes (total)	106				400964	30.0000	29.682
	64 Xylene-o	106	8.171	8.171	(1.080)	134956	10.0000	10.062
	65 Styrene	104	8.183	8.183	(1.081)	233980	10.0000	9.708

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77654.D
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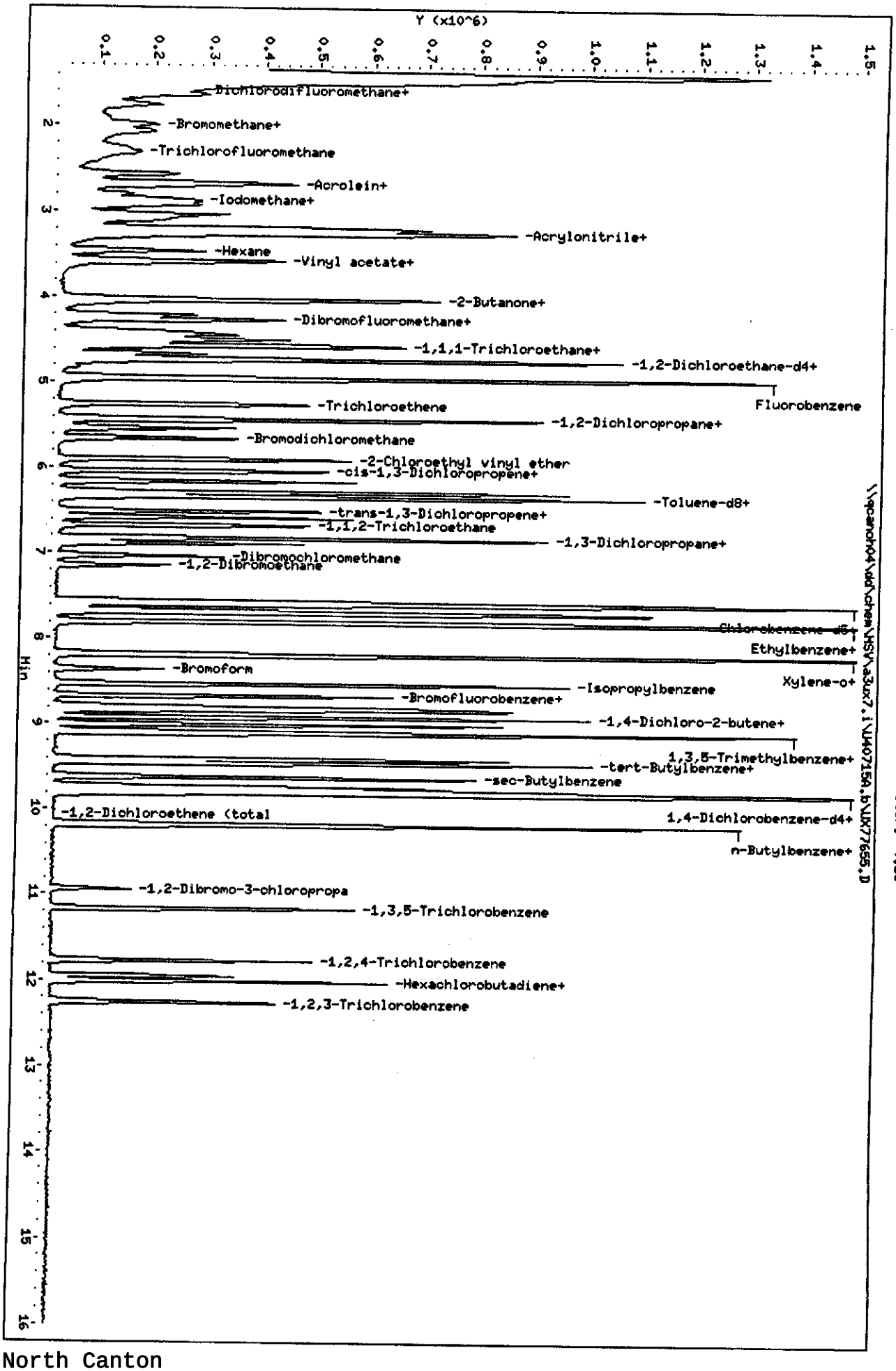
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.361	8.361	(1.105)	44458	10.0000	9.757
67 Isopropylbenzene	105	8.526	8.526	(1.127)	272693	10.0000	9.410
68 1,1,2,2-Tetrachloroethane	83	8.787	8.787	(0.897)	99185	10.0000	10.135
69 1,4-Dichloro-2-butene	53	8.846	8.846	(0.903)	35567	10.0000	9.899
70 1,2,3-Trichloropropane	110	8.834	8.834	(0.902)	30223	10.0000	10.095
71 Bromobenzene	156	8.822	8.822	(0.901)	78604	10.0000	10.269
72 n-Propylbenzene	120	8.917	8.917	(0.911)	71089	10.0000	9.484
73 2-Chlorotoluene	126	8.999	8.999	(0.919)	71540	10.0000	10.050
74 1,3,5-Trimethylbenzene	105	9.082	9.082	(0.927)	241485	10.0000	9.767
75 4-Chlorotoluene	126	9.106	9.106	(0.930)	75531	10.0000	10.146
76 tert-Butylbenzene	119	9.402	9.402	(0.960)	183438	10.0000	9.530
77 1,2,4-Trimethylbenzene	105	9.449	9.449	(0.965)	250361	10.0000	9.714
78 sec-Butylbenzene	105	9.627	9.627	(0.983)	262089	10.0000	9.488
79 4-Isopropyltoluene	119	9.757	9.757	(0.996)	209901	10.0000	9.580
80 1,3-Dichlorobenzene	146	9.733	9.733	(0.994)	129614	10.0000	9.838
81 1,4-Dichlorobenzene	146	9.816	9.816	(1.002)	135234	10.0000	9.828
82 n-Butylbenzene	91	10.159	10.159	(1.037)	202776	10.0000	9.486
83 1,2-Dichlorobenzene	146	10.183	10.183	(1.040)	131252	10.0000	9.960
84 1,2-Dibromo-3-chloropropane	157	10.940	10.940	(1.117)	18117	10.0000	9.774
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	67724	10.0000	9.268
86 Hexachlorobutadiene	225	11.958	11.958	(1.221)	25144	10.0000	9.029
87 Naphthalene	128	12.017	12.017	(1.227)	215554	10.0000	9.262
88 1,2,3-Trichlorobenzene	180	12.265	12.265	(1.253)	59272	10.0000	9.503
98 Cyclohexane	56	4.503	4.503	(0.909)	121106	10.0000	8.896
143 Methyl Acetate	43	2.929	2.929	(0.591)	134837	20.0000	20.300
144 Methylcyclohexane	83	5.426	5.426	(1.096)	88377	10.0000	9.008
141 1,3,5-Trichlorobenzene	180	11.165	11.165	(1.140)	73822	10.0000	9.710

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U407150.b\UX77655.D
Date : 15-JUL-2004 10:07
Client ID:
Sample Info: 25NG8260CAL
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+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Dibromofluoromethane+
-1,1,1-Trichloroethane+
-1,2-Dichloroethane-d4+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene+
-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+
1,3,5-Trimethylbenzene+
-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
-Hexachlorobutadiene+
-1,2,3-Trichlorobenzene
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Report Date: 16-Jul-2004 08:34

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77655.D
Lab Smp Id: 25NG8260CAL
Inj Date : 15-JUL-2004 10:07
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 25NG8260CAL
Misc Info : U40715A,N8260UX7-3,1-8260.SUB,1754,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:34 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	4.952	4.952	(1.000)	1491878	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	1013418	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	438515	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	165163	25.0000	25.103
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	252485	25.0000	25.251
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	696133	25.0000	25.369
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	260589	25.0000	24.596
8 Dichlorodifluoromethane	85	1.591	1.591	(0.321)	144530	25.0000	25.120
9 Chloromethane	50	1.639	1.639	(0.331)	286575	25.0000	23.838
10 Vinyl Chloride	62	1.757	1.757	(0.355)	242480	25.0000	23.443
11 Bromomethane	94	1.994	1.994	(0.403)	139394	25.0000	24.763
12 Chloroethane	64	2.077	2.077	(0.419)	162733	25.0000	23.227
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	223658	25.0000	24.172
15 Acrolein	56	2.574	2.574	(0.520)	381799	250.000	241.05
16 Acetone	43	2.680	2.680	(0.541)	195502	50.0000	42.396
17 1,1-Dichloroethene	96	2.668	2.668	(0.539)	168576	25.0000	23.588
18 Freon-113	151	2.692	2.692	(0.544)	98245	25.0000	23.283

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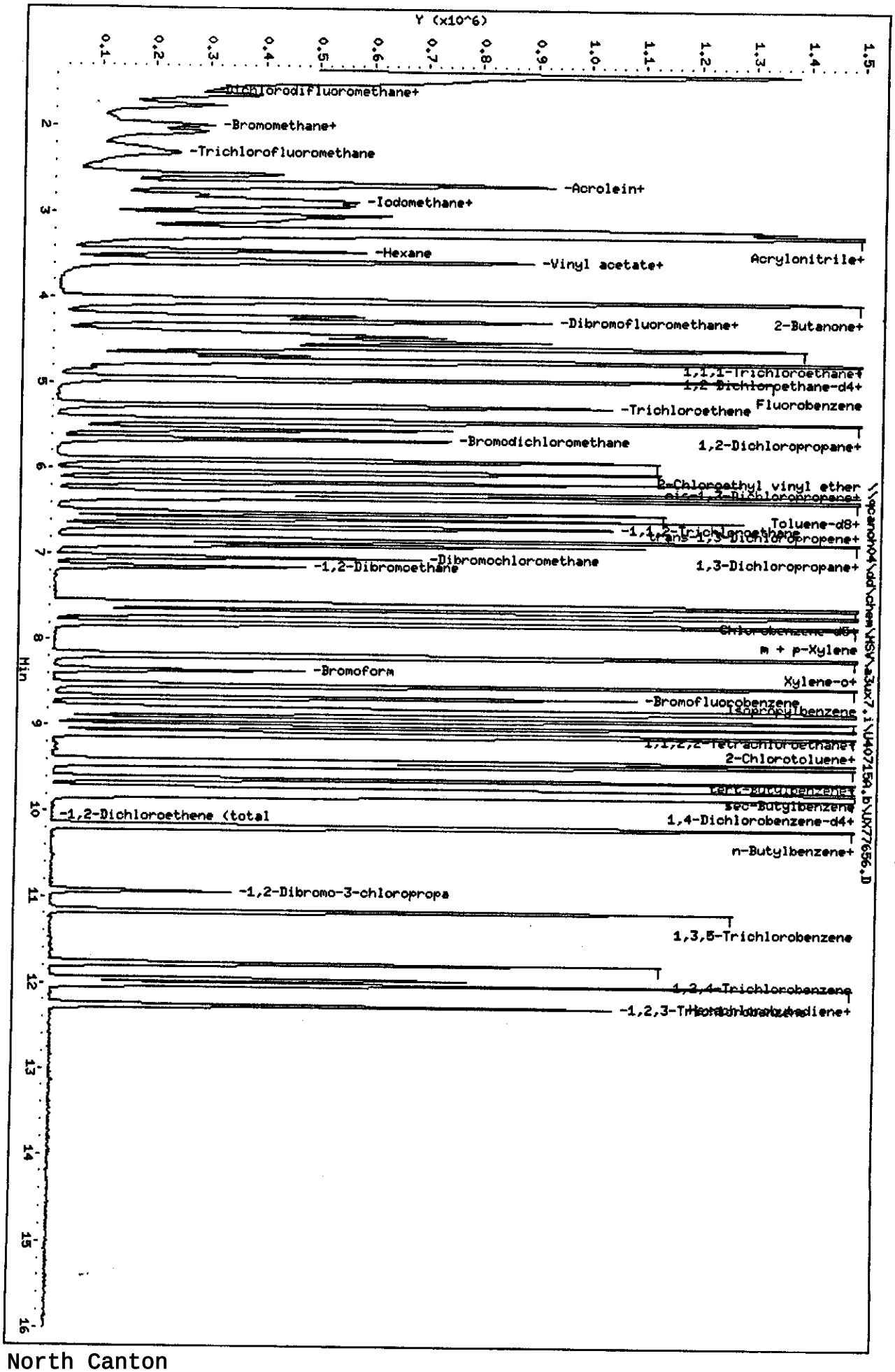
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.798	2.798	(0.565)	239704	25.0000	23.704
	20 Carbon Disulfide	76	2.869	2.869	(0.579)	595555	25.0000	23.659
	21 Methylene Chloride	84	3.035	3.035	(0.613)	231356	25.0000	22.893
	22 Acetonitrile	41	2.893	2.893	(0.584)	282958	250.000	241.44
	23 Acrylonitrile	53	3.201	3.201	(0.646)	857829	250.000	237.58
	24 Methyl tert-butyl ether	73	3.260	3.260	(0.658)	804711	25.0000	23.609
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	199226	25.0000	23.805
	26 Hexane	86	3.461	3.461	(0.699)	32422	25.0000	23.763
	27 Vinyl acetate	43	3.591	3.591	(0.725)	480046	25.0000	24.889
	28 1,1-Dichloroethane	63	3.567	3.567	(0.720)	380444	25.0000	23.526
	29 tert-Butyl Alcohol	59	3.106	3.106	(0.627)	455028	500.000	464.52
	30 2-Butanone	43	4.017	4.017	(0.811)	256586	50.0000	44.649
M	31 1,2-Dichloroethene (total)	96				408602	50.0000	47.244
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	209376	25.0000	23.439
	33 2,2-Dichloropropane	77	4.041	4.041	(0.816)	314787	25.0000	23.798
	34 Bromochloromethane	128	4.218	4.218	(0.852)	87600	25.0000	23.530
	35 Chloroform	83	4.266	4.266	(0.861)	343435	25.0000	23.585
	36 Tetrahydrofuran	42	4.254	4.254	(0.859)	65190	25.0000	22.648
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	308405	25.0000	23.898
	38 1,1-Dichloropropene	75	4.561	4.561	(0.921)	264036	25.0000	24.175
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	231943	25.0000	23.926
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	299804	25.0000	23.348
	41 Benzene	78	4.727	4.727	(0.955)	837760	25.0000	23.024
	42 Trichloroethene	130	5.260	5.260	(1.062)	186941	25.0000	23.893
	43 1,2-Dichloropropane	63	5.425	5.425	(1.096)	223883	25.0000	23.583
	44 1,4-Dioxane	88	5.532	5.532	(1.117)	94301	1250.00	1145.1(A)
	45 Dibromomethane	93	5.532	5.532	(1.117)	112046	25.0000	23.525
	46 Bromodichloromethane	83	5.650	5.650	(1.141)	272388	25.0000	23.681
	47 2-Chloroethyl vinyl ether	63	5.899	5.899	(1.191)	278450	50.0000	48.460
	48 cis-1,3-Dichloropropene	75	6.029	6.029	(1.217)	345052	25.0000	23.383
	49 4-Methyl-2-pentanone	43	6.147	6.147	(1.241)	449901	50.0000	46.883
	50 Toluene	91	6.336	6.336	(0.837)	855484	25.0000	23.499
	51 trans-1,3-Dichloropropene	75	6.514	6.514	(0.861)	323684	25.0000	23.567
	52 Ethyl Methacrylate	69	6.585	6.585	(0.870)	309793	25.0000	24.029
	53 1,1,2-Trichloroethane	97	6.668	6.668	(0.881)	171239	25.0000	23.546
	54 1,3-Dichloropropane	76	6.821	6.821	(0.901)	316480	25.0000	23.406
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	117189	25.0000	23.794
	56 2-Hexanone	43	6.892	6.892	(0.911)	362286	50.0000	44.587
	57 Dibromochloromethane	129	7.034	7.034	(0.930)	175529	25.0000	23.608
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	166693	25.0000	23.630
	59 Chlorobenzene	112	7.591	7.591	(1.003)	507661	25.0000	23.769
	60 1,1,1,2-Tetrachloroethane	131	7.662	7.662	(1.013)	175211	25.0000	23.500
	61 Ethylbenzene	106	7.697	7.697	(1.017)	263672	25.0000	23.538
	62 m + p-Xylene	106	7.804	7.804	(1.031)	639411	50.0000	46.935
M	63 Xylenes (total)	106				959702	75.0000	70.700
	64 Xylene-o	106	8.170	8.170	(1.080)	320291	25.0000	23.765
	65 Styrene	104	8.182	8.182	(1.081)	578255	25.0000	23.878

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77655.D
Report Date: 16-Jul-2004 08:34

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)	105904	25.0000	23.130
67 Isopropylbenzene	105	8.525	8.525	(1.127)	684706	25.0000	23.514
68 1,1,2,2-Tetrachloroethane	83	8.786	8.786	(0.897)	227029	25.0000	22.928
69 1,4-Dichloro-2-butene	53	8.845	8.845	(0.903)	83113	25.0000	22.860
70 1,2,3-Trichloropropane	110	8.833	8.833	(0.902)	71404	25.0000	23.571
71 Bromobenzene	156	8.821	8.821	(0.901)	185209	25.0000	23.913
72 n-Propylbenzene	120	8.916	8.916	(0.911)	179565	25.0000	23.677
73 2-Chlorotoluene	126	8.999	8.999	(0.919)	173311	25.0000	24.061
74 1,3,5-Trimethylbenzene	105	9.093	9.093	(0.929)	584638	25.0000	23.369
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	176114	25.0000	23.381
76 tert-Butylbenzene	119	9.401	9.401	(0.960)	461793	25.0000	23.711
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	619154	25.0000	23.742
78 sec-Butylbenzene	105	9.614	9.614	(0.982)	658574	25.0000	23.563
79 4-Isopropyltoluene	119	9.756	9.756	(0.996)	521214	25.0000	23.511
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	314157	25.0000	23.567
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	327153	25.0000	23.496
82 n-Butylbenzene	91	10.158	10.158	(1.037)	503116	25.0000	23.260
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	316302	25.0000	23.721
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	42666	25.0000	22.749
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	162998	25.0000	22.044
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	67014	25.0000	23.783
87 Naphthalene	128	12.016	12.016	(1.227)	540831	25.0000	22.966
88 1,2,3-Trichlorobenzene	180	12.265	12.265	(1.253)	145187	25.0000	23.004
98 Cyclohexane	56	4.502	4.502	(0.909)	315167	25.0000	23.338
143 Methyl Acetate	43	2.929	2.929	(0.591)	314215	50.0000	47.690
144 Methylcyclohexane	83	5.437	5.437	(1.098)	221039	25.0000	22.712
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	181101	25.0000	23.541

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 15-JUL-2004 10:30
Client ID:
Sample Info: 50NG8260DAL
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
-Vinyl acetate+
Acrylonitrile+
-Dibromofluoromethane+
2-Butanone+
1,1,1-Trichloroethane+
1,2-Dichloroethane-d4+
-Trichloroethene
Fluorobenzene
-Bromodichloromethane
1,2-Dichloropropane+
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene+
-1,1,2-Trichloroethane
Toluene-d8+
trans-1,3-Dichloropropene+
-Dibromochloromethane
-1,2-Dibromoethane
1,3-Dichloropropane+
Chlorobenzene-d5+
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
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
-1,2,3-Trichlorobenzene
Hexachlorobutadiene+
\\qcanon04\dd\chem\HSV\a3ux7.i\U407150.b\UX77656.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77656.D
Report Date: 16-Jul-2004 08:34

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77656.D
Lab Smp Id: 50NG8260CAL
Inj Date : 15-JUL-2004 10:30
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NG8260CAL
Misc Info : U40715A,N8260UX7-3,1-8260.SUB,1754,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:34 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	4.951	4.951	(1.000)	1460397	50.0000	
* 2 Chlorobenzene-d5	117	7.566	7.566	(1.000)	991375	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	425781	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.395	(0.888)	291699	50.0000	45.291
$ 5 1,2-Dichloroethane-d4	65	4.667	4.667	(0.943)	445462	50.0000	45.510
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	1203854	50.0000	44.848
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	458831	50.0000	44.271
8 Dichlorodifluoromethane	85	1.591	1.591	(0.321)	267988	50.0000	50.062
9 Chloromethane	50	1.650	1.650	(0.333)	544130	50.0000	46.238
10 Vinyl Chloride	62	1.756	1.756	(0.355)	478307	50.0000	47.239
11 Bromomethane	94	1.993	1.993	(0.403)	264640	50.0000	51.252
12 Chloroethane	64	2.064	2.064	(0.417)	321732	50.0000	46.910
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	434323	50.0000	47.951
15 Acrolein	56	2.561	2.561	(0.517)	771834	500.000	497.80
16 Acetone	43	2.679	2.679	(0.541)	445493	100.000	102.41
17 1,1-Dichloroethene	96	2.668	2.668	(0.539)	357429	50.0000	51.092
18 Freon-113	151	2.691	2.691	(0.544)	228878	50.0000	55.410

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77656.D
Report Date: 16-Jul-2004 08:34

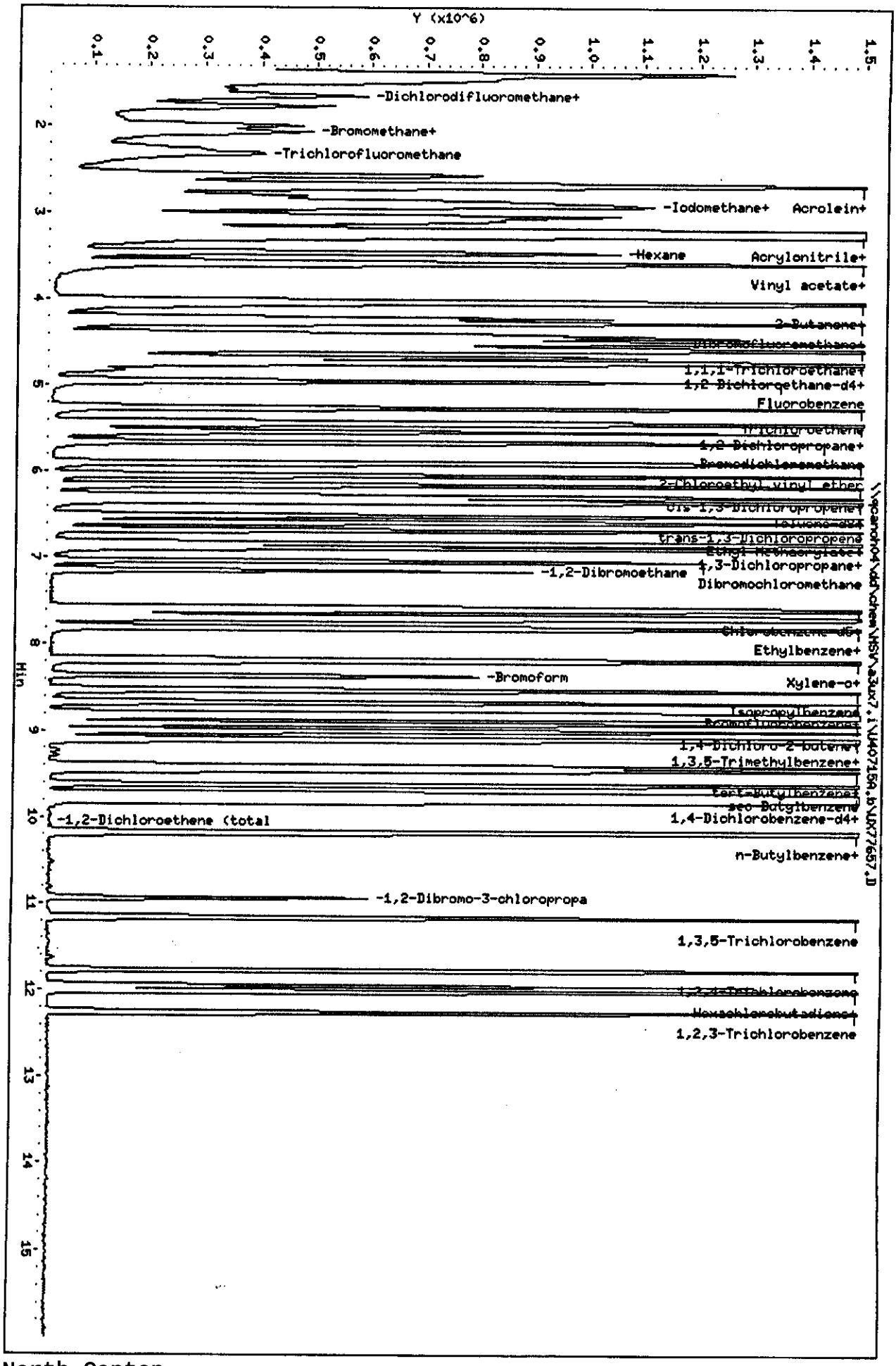
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.798	2.798	(0.565)	533214	50.0000	53.865
	20 Carbon Disulfide	76	2.869	2.869	(0.579)	1309926	50.0000	53.160
	21 Methylene Chloride	84	3.034	3.034	(0.613)	481693	50.0000	54.790
	22 Acetonitrile	41	2.892	2.892	(0.584)	550410	500.000	479.78
	23 Acrylonitrile	53	3.200	3.200	(0.646)	1740757	500.000	492.51
	24 Methyl tert-butyl ether	73	3.259	3.259	(0.658)	1785345	50.0000	53.509
	25 trans-1,2-Dichloroethene	96	3.247	3.247	(0.656)	426855	50.0000	52.103
	26 Hexane	86	3.460	3.460	(0.699)	71068	50.0000	54.775
	27 Vinyl acetate	43	3.591	3.591	(0.725)	941538	50.0000	49.868
	28 1,1-Dichloroethane	63	3.567	3.567	(0.720)	840526	50.0000	53.097
	29 tert-Butyl Alcohol	59	3.105	3.105	(0.627)	1022012	1000.00	1065.8 (A)
	30 2-Butanone	43	4.016	4.016	(0.811)	590042	100.000	104.89
M	31 1,2-Dichloroethene (total)	96				894953	100.000	105.64
	32 cis-1,2-dichloroethene	96	4.028	4.028	(0.814)	468098	50.0000	53.533
	33 2,2-Dichloropropane	77	4.040	4.040	(0.816)	692524	50.0000	53.483
	34 Bromochloromethane	128	4.218	4.218	(0.852)	193883	50.0000	53.200
	35 Chloroform	83	4.265	4.265	(0.861)	763186	50.0000	53.540
	36 Tetrahydrofuran	42	4.253	4.253	(0.859)	146013	50.0000	54.042
	37 1,1,1-Trichloroethane	97	4.442	4.442	(0.897)	665798	50.0000	52.704
	38 1,1-Dichloropropene	75	4.561	4.561	(0.921)	571063	50.0000	53.414
	39 Carbon Tetrachloride	117	4.584	4.584	(0.926)	504009	50.0000	53.112
	40 1,2-Dichloroethane	62	4.726	4.726	(0.955)	665658	50.0000	52.957
	41 Benzene	78	4.726	4.726	(0.955)	1847007	50.0000	51.854
	42 Trichloroethene	130	5.259	5.259	(1.062)	409262	50.0000	53.435
	43 1,2-Dichloropropane	63	5.425	5.425	(1.096)	498781	50.0000	53.673
	44 1,4-Dioxane	88	5.531	5.531	(1.117)	219366	2500.00	2721.3 (A)
	45 Dibromomethane	93	5.531	5.531	(1.117)	255234	50.0000	54.744
	46 Bromodichloromethane	83	5.649	5.649	(1.141)	605101	50.0000	53.741
	47 2-Chloroethyl vinyl ether	63	5.898	5.898	(1.191)	563928	100.000	100.26
	48 cis-1,3-Dichloropropene	75	6.040	6.040	(1.220)	778691	50.0000	53.908
	49 4-Methyl-2-pentanone	43	6.158	6.158	(1.244)	991796	100.000	105.58
	50 Toluene	91	6.336	6.336	(0.837)	1898288	50.0000	53.302
	51 trans-1,3-Dichloropropene	75	6.513	6.513	(0.861)	729423	50.0000	54.290
	52 Ethyl Methacrylate	69	6.584	6.584	(0.870)	687302	50.0000	54.496
	53 1,1,2-Trichloroethane	97	6.679	6.679	(0.883)	386246	50.0000	54.292
	54 1,3-Dichloropropane	76	6.821	6.821	(0.901)	714142	50.0000	53.990
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	257225	50.0000	53.387
	56 2-Hexanone	43	6.892	6.892	(0.911)	856280	100.000	107.73
	57 Dibromochloromethane	129	7.034	7.034	(0.930)	395593	50.0000	54.389
	58 1,2-Dibromoethane	107	7.140	7.140	(0.944)	373889	50.0000	54.180
	59 Chlorobenzene	112	7.602	7.602	(1.005)	1124059	50.0000	53.799
	60 1,1,1,2-Tetrachloroethane	131	7.673	7.673	(1.014)	390214	50.0000	53.500
	61 Ethylbenzene	106	7.696	7.696	(1.017)	578955	50.0000	52.834
	62 m + p-Xylene	106	7.803	7.803	(1.031)	1433262	100.000	107.54
M	63 Xylenes (total)	106				2135096	150.000	160.78
	64 Xylene-o	106	8.170	8.170	(1.080)	701834	50.0000	53.232
	65 Styrene	104	8.182	8.182	(1.081)	1305117	50.0000	55.090

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77656.D
Report Date: 16-Jul-2004 08:34

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.359	8.359	(1.105)	244238	50.0000	54.529
67 Isopropylbenzene	105	8.525	8.525	(1.127)	1535778	50.0000	53.913
68 1,1,2,2-Tetrachloroethane	83	8.797	8.797	(0.898)	519959	50.0000	54.081
69 1,4-Dichloro-2-butene	53	8.844	8.844	(0.903)	186442	50.0000	52.815
70 1,2,3-Trichloropropane	110	8.832	8.832	(0.902)	159818	50.0000	54.335
71 Bromobenzene	156	8.821	8.821	(0.901)	411521	50.0000	54.722
72 n-Propylbenzene	120	8.915	8.915	(0.911)	391578	50.0000	53.176
73 2-Chlorotoluene	126	9.010	9.010	(0.920)	377712	50.0000	54.006
74 1,3,5-Trimethylbenzene	105	9.093	9.093	(0.929)	1296113	50.0000	53.357
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	390670	50.0000	53.417
76 tert-Butylbenzene	119	9.400	9.400	(0.960)	1011982	50.0000	53.515
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	1374408	50.0000	54.280
78 sec-Butylbenzene	105	9.625	9.625	(0.983)	1448193	50.0000	53.364
79 4-Isopropyltoluene	119	9.755	9.755	(0.996)	1167057	50.0000	54.219
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	701048	50.0000	54.162
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	722359	50.0000	53.432
82 n-Butylbenzene	91	10.158	10.158	(1.037)	1129606	50.0000	53.785
83 1,2-Dichlorobenzene	146	10.181	10.181	(1.040)	704292	50.0000	54.397
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	98316	50.0000	53.989
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	390828	50.0000	54.437
86 Hexachlorobutadiene	225	11.956	11.956	(1.221)	146977	50.0000	53.722
87 Naphthalene	128	12.015	12.015	(1.227)	1321909	50.0000	57.814
88 1,2,3-Trichlorobenzene	180	12.264	12.264	(1.253)	356150	50.0000	58.118
98 Cyclohexane	56	4.502	4.502	(0.909)	696110	50.0000	52.658
143 Methyl Acetate	43	2.928	2.928	(0.591)	665809	100.000	103.23
144 Methylcyclohexane	83	5.436	5.436	(1.098)	506110	50.0000	53.124
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	409838	50.0000	54.867

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 15-JUL-2004 10:53
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
-Iodomethane+
Acrolein+
-Hexane
Acrylonitrile+
Vinyl acetate+
2-Butanone+
Dibromofluoromethane+
1,1,1-Trichloroethane+
1,2-Dichloroethane-d4+
Fluorobenzene
Trichloroethene
1,2-Dichloropropane+
Bromodichloromethane
2-Chloroethyl vinyl ether
Cis-1,3-Dichloropropene+
Toluene-d8+
trans-1,3-Dichloropropene
Ethyl Methacrylate+
-1,2-Dibromoethane
1,3-Dichloropropane+
Dibromochloromethane
Chlorobenzene-d5+
Ethylbenzene+
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene+
1,4-Dichloro-2-butene+
1,3,5-Trimethylbenzene+
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
Hexachlorobutadiene+
1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux7.i\U40715A.b\UX77657.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77657.D
Report Date: 16-Jul-2004 08:35

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77657.D
Lab Smp Id: 100NG8260CAL
Inj Date : 15-JUL-2004 10:53
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 100NG8260CAL
Misc Info : U40715A,N8260UX7-3,1-8260.SUB,1754,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:35 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	4.955	4.955	(1.000)	1490196	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.570	(1.000)	1015887	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.795	(1.000)	438019	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.399	(0.888)	638314	100.000	97.127
$ 5 1,2-Dichloroethane-d4	65	4.671	4.671	(0.943)	972192	100.000	97.337
$ 6 Toluene-d8	98	6.281	6.281	(0.830)	2703649	100.000	98.290
$ 7 Bromofluorobenzene	95	8.671	8.671	(1.145)	1037630	100.000	97.701
8 Dichlorodifluoromethane	85	1.595	1.595	(0.322)	548636	100.000	99.946
9 Chloromethane	50	1.654	1.654	(0.334)	1064023	100.000	88.608
10 Vinyl Chloride	62	1.772	1.772	(0.358)	947786	100.000	91.734
11 Bromomethane	94	1.997	1.997	(0.403)	490463	100.000	99.165
12 Chloroethane	64	2.068	2.068	(0.417)	635707	100.000	90.836
13 Trichlorofluoromethane	101	2.317	2.317	(0.468)	824916	100.000	89.252
15 Acrolein	56	2.565	2.565	(0.518)	1506645	1000.00	952.30
16 Acetone	43	2.683	2.683	(0.542)	830751	200.000	200.59(A)
17 1,1-Dichloroethene	96	2.683	2.683	(0.542)	644761	100.000	90.320
18 Freon-113	151	2.695	2.695	(0.544)	407811	100.000	96.755

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77657.D
Report Date: 16-Jul-2004 08:35

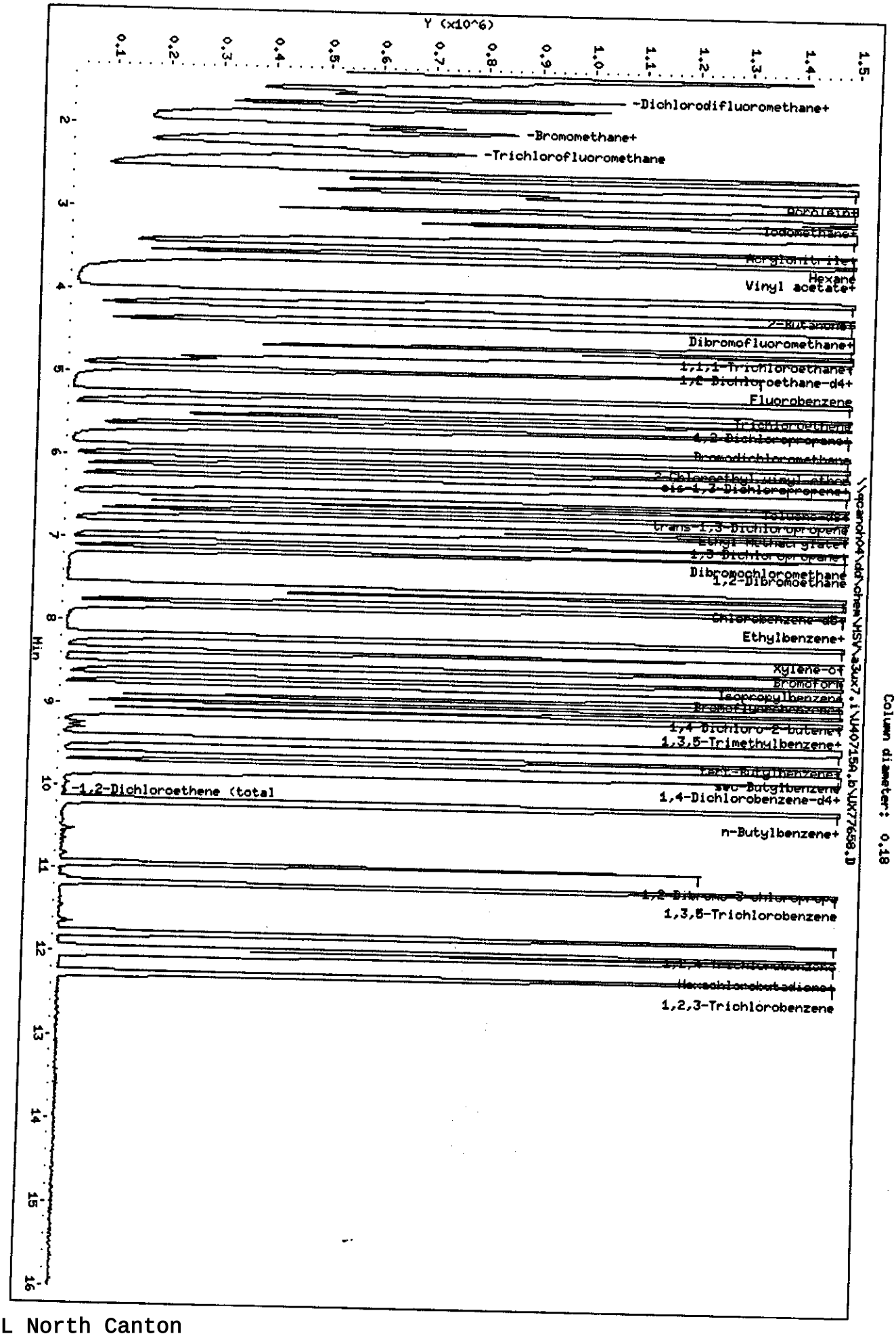
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.802	2.802	(0.565)	951210	100.000	94.169
	20 Carbon Disulfide	76	2.873	2.873	(0.580)	2354319	100.000	93.633
	21 Methylene Chloride	84	3.038	3.038	(0.613)	821960	100.000	97.016
	22 Acetonitrile	41	2.896	2.896	(0.585)	1057982	1000.00	903.77
	23 Acrylonitrile	53	3.204	3.204	(0.647)	3515210	1000.00	974.67
	24 Methyl tert-butyl ether	73	3.251	3.251	(0.656)	3183329	100.000	93.500
	25 trans-1,2-Dichloroethene	96	3.251	3.251	(0.656)	775779	100.000	92.800
	26 Hexane	86	3.464	3.464	(0.699)	127452	100.000	96.912
	27 Vinyl acetate	43	3.594	3.594	(0.725)	1896269	100.000	98.426
	28 1,1-Dichloroethane	63	3.571	3.571	(0.721)	1511858	100.000	93.596
	29 tert-Butyl Alcohol	59	3.097	3.097	(0.625)	1868048	2000.00	1909.2(A)
	30 2-Butanone	43	4.009	4.009	(0.809)	1109206	200.000	193.23
M	31 1,2-Dichloroethene (total)	96				1605607	200.000	185.80
	32 cis-1,2-dichloroethene	96	4.032	4.032	(0.814)	829828	100.000	93.003
	33 2,2-Dichloropropane	77	4.044	4.044	(0.816)	1222659	100.000	92.537
	34 Bromochloromethane	128	4.222	4.222	(0.852)	344462	100.000	92.628
	35 Chloroform	83	4.269	4.269	(0.862)	1352940	100.000	93.015
	36 Tetrahydrofuran	42	4.257	4.257	(0.859)	262325	100.000	97.709
	37 1,1,1-Trichloroethane	97	4.446	4.446	(0.897)	1178865	100.000	91.452
	38 1,1-Dichloropropene	75	4.565	4.565	(0.921)	1012228	100.000	92.784
	39 Carbon Tetrachloride	117	4.588	4.588	(0.926)	895054	100.000	92.434
	40 1,2-Dichloroethane	62	4.730	4.730	(0.955)	1189070	100.000	92.706
	41 Benzene	78	4.730	4.730	(0.955)	3287013	100.000	90.437
	42 Trichloroethene	130	5.251	5.251	(1.060)	722099	100.000	92.396
	43 1,2-Dichloropropane	63	5.429	5.429	(1.096)	874823	100.000	92.256
	44 1,4-Dioxane	88	5.535	5.535	(1.117)	397208	5000.00	4828.9(A)
	45 Dibromomethane	93	5.535	5.535	(1.117)	443376	100.000	93.196
	46 Bromodichloromethane	83	5.653	5.653	(1.141)	1075119	100.000	93.575
	47 2-Chloroethyl vinyl ether	63	5.890	5.890	(1.189)	1121701	200.000	195.43
	48 cis-1,3-Dichloropropene	75	6.032	6.032	(1.217)	1380862	100.000	93.684
	49 4-Methyl-2-pentanone	43	6.150	6.150	(1.241)	1883995	200.000	196.55
	50 Toluene	91	6.340	6.340	(0.837)	3382174	100.000	92.676
	51 trans-1,3-Dichloropropene	75	6.505	6.505	(0.859)	1303384	100.000	94.669
	52 Ethyl Methacrylate	69	6.588	6.588	(0.870)	1240078	100.000	95.953
	53 1,1,2-Trichloroethane	97	6.671	6.671	(0.881)	679748	100.000	93.243
	54 1,3-Dichloropropane	76	6.825	6.825	(0.902)	1285403	100.000	94.834
	55 Tetrachloroethene	164	6.837	6.837	(0.903)	461659	100.000	93.505
	56 2-Hexanone	43	6.884	6.884	(0.909)	1605663	200.000	197.13
	57 Dibromochloromethane	129	7.038	7.038	(0.930)	699999	100.000	93.919
	58 1,2-Dibromoethane	107	7.144	7.144	(0.944)	669021	100.000	94.609
	59 Chlorobenzene	112	7.594	7.594	(1.003)	2007459	100.000	93.762
	60 1,1,1,2-Tetrachloroethane	131	7.665	7.665	(1.013)	702138	100.000	93.943
	61 Ethylbenzene	106	7.700	7.700	(1.017)	1040227	100.000	92.637
	62 m + p-Xylene	106	7.807	7.807	(1.031)	2536105	200.000	185.71
M	63 Xylenes (total)	106				3803697	300.000	279.53
	64 Xylene-o	106	8.174	8.174	(1.080)	1267592	100.000	93.824
	65 Styrene	104	8.186	8.186	(1.081)	2285997	100.000	94.166

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77657.D
Report Date: 16-Jul-2004 08:35

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)	433309	100.000	94.407
67 Isopropylbenzene	105	8.529	8.529	(1.127)	2726315	100.000	93.398
68 1,1,2,2-Tetrachloroethane	83	8.789	8.789	(0.897)	924488	100.000	93.469
69 1,4-Dichloro-2-butene	53	8.848	8.848	(0.903)	337734	100.000	92.999
70 1,2,3-Trichloropropane	110	8.836	8.836	(0.902)	284918	100.000	94.160
71 Bromobenzene	156	8.825	8.825	(0.901)	714987	100.000	92.419
72 n-Propylbenzene	120	8.919	8.919	(0.911)	703061	100.000	92.808
73 2-Chlorotoluene	126	9.002	9.002	(0.919)	659500	100.000	91.663
74 1,3,5-Trimethylbenzene	105	9.085	9.085	(0.928)	2346903	100.000	93.916
75 4-Chlorotoluene	126	9.109	9.109	(0.930)	700086	100.000	93.050
76 tert-Butylbenzene	119	9.404	9.404	(0.960)	1833526	100.000	94.250
77 1,2,4-Trimethylbenzene	105	9.452	9.452	(0.965)	2430258	100.000	93.298
78 sec-Butylbenzene	105	9.617	9.617	(0.982)	2617512	100.000	93.758
79 4-Isopropyltoluene	119	9.759	9.759	(0.996)	2085261	100.000	94.170
80 1,3-Dichlorobenzene	146	9.724	9.724	(0.993)	1245908	100.000	93.568
81 1,4-Dichlorobenzene	146	9.819	9.819	(1.002)	1291705	100.000	92.876
82 n-Butylbenzene	91	10.162	10.162	(1.037)	2029591	100.000	93.937
83 1,2-Dichlorobenzene	146	10.185	10.185	(1.040)	1227115	100.000	92.130
84 1,2-Dibromo-3-chloropropane	157	10.943	10.943	(1.117)	182317	100.000	97.320
85 1,2,4-Trichlorobenzene	180	11.783	11.783	(1.203)	697844	100.000	94.484
86 Hexachlorobutadiene	225	11.960	11.960	(1.221)	267140	100.000	94.914
87 Naphthalene	128	12.019	12.019	(1.227)	2452549	100.000	104.27
88 1,2,3-Trichlorobenzene	180	12.268	12.268	(1.252)	647607	100.000	102.72
98 Cyclohexane	56	4.506	4.506	(0.909)	1274439	100.000	94.479
143 Methyl Acetate	43	2.932	2.932	(0.592)	1264323	200.000	192.11
144 Methylcyclohexane	83	5.429	5.429	(1.096)	900076	100.000	92.587
141 1,3,5-Trichlorobenzene	180	11.167	11.167	(1.140)	734611	100.000	95.598

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U407150.b\UX77658.D
Date : 15-JUL-2004 11:16
Client ID:
Sample Info: 200WG826002AL
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+
Acrylonitrile+
Hexane
Vinyl acetate+
2-Butanone+
Dibromofluoromethane+
1,1,1-Trichloroethane+
1,2-Dichloroethane-d4+
Fluorobenzene
Trichloroethene
4,2-Dichloropropane+
Bromodichloromethane
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene+
Toluene-d8+
trans-1,3-Dichloropropene
Ethyl Methacrylate+
1,3-Dichloropropane+
Dibromochloromethane
1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene+
Xylene-o+
Bromoform
Isopropylbenzene
Bromofluorobenzene+
1,4-Dichloro-2-butene+
1,3,5-Trimethylbenzene+
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
Hexachlorobutadiene+
1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux7.i\U407150.b\UX77658.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77658.D
Report Date: 16-Jul-2004 08:36

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77658.D
Lab Smp Id: 200NG8260CAL
Inj Date : 15-JUL-2004 11:16
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 200NG8260CAL
Misc Info : U40715A,N8260UX7-3,1-8260.SUB,1754,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:36 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
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)	1478478	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.568	(1.000)	1022592	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	445248	50.0000	
$ 4 Dibromofluoromethane	113	4.397	4.397	(0.888)	1269350	200.000	194.68
$ 5 1,2-Dichloroethane-d4	65	4.669	4.669	(0.943)	1895900	200.000	191.32
$ 6 Toluene-d8	98	6.278	6.278	(0.830)	5384102	200.000	194.45
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	2029414	200.000	189.83
8 Dichlorodifluoromethane	85	1.580	1.580	(0.319)	1189168	200.000	200.01(A)
9 Chloromethane	50	1.663	1.663	(0.336)	2140487	200.000	179.66
10 Vinyl Chloride	62	1.770	1.770	(0.357)	2020380	200.000	197.10
11 Bromomethane	94	1.995	1.995	(0.403)	896855	200.000	200.14(A)
12 Chloroethane	64	2.066	2.066	(0.417)	1276945	200.000	183.91
13 Trichlorofluoromethane	101	2.314	2.314	(0.467)	1803284	200.000	196.65
15 Acrolein	56	2.563	2.563	(0.517)	3037274	2000.00	1935.0
16 Acetone	43	2.669	2.669	(0.539)	1464611	400.000	399.70(A)
17 1,1-Dichloroethene	96	2.669	2.669	(0.539)	1273697	200.000	179.84
18 Freon-113	151	2.693	2.693	(0.544)	836836	200.000	200.12(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77658.D
Report Date: 16-Jul-2004 08:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.799	2.799	(0.565)	1859715	200.000	185.57
	20 Carbon Disulfide	76	2.858	2.858	(0.577)	4751010	200.000	190.45
	21 Methylene Chloride	84	3.036	3.036	(0.613)	1561373	200.000	200.39(A)
	22 Acetonitrile	41	2.894	2.894	(0.584)	2185302	2000.00	1881.6
	23 Acrylonitrile	53	3.202	3.202	(0.646)	7123485	2000.00	1990.8
	24 Methyl tert-butyl ether	73	3.249	3.249	(0.656)	6241747	200.000	184.78
	25 trans-1,2-Dichloroethene	96	3.249	3.249	(0.656)	1508677	200.000	181.90
	26 Hexane	86	3.462	3.462	(0.699)	262310	200.000	200.38(A)
	27 Vinyl acetate	43	3.580	3.580	(0.723)	3866998	200.000	202.31(A)
	28 1,1-Dichloroethane	63	3.568	3.568	(0.721)	2974371	200.000	185.60
	29 tert-Butyl Alcohol	59	3.107	3.107	(0.627)	3663272	4000.00	3773.6(A)
	30 2-Butanone	43	4.006	4.006	(0.809)	2082761	400.000	365.71(A)
M	31 1,2-Dichloroethene (total)	96				3109236	400.000	362.70
	32 cis-1,2-dichloroethene	96	4.030	4.030	(0.814)	1600559	200.000	180.80
	33 2,2-Dichloropropane	77	4.042	4.042	(0.816)	2416651	200.000	184.35
	34 Bromochloromethane	128	4.219	4.219	(0.852)	677153	200.000	183.53
	35 Chloroform	83	4.266	4.266	(0.861)	2647656	200.000	183.47
	36 Tetrahydrofuran	42	4.255	4.255	(0.859)	511115	200.000	200.29(A)
	37 1,1,1-Trichloroethane	97	4.444	4.444	(0.897)	2387942	200.000	186.72
	38 1,1-Dichloropropene	75	4.562	4.562	(0.921)	2075018	200.000	191.71
	39 Carbon Tetrachloride	117	4.586	4.586	(0.926)	1819742	200.000	189.42
	40 1,2-Dichloroethane	62	4.728	4.728	(0.955)	2335467	200.000	183.53
	41 Benzene	78	4.728	4.728	(0.955)	6521194	200.000	180.84
	42 Trichloroethene	130	5.260	5.260	(1.062)	1425673	200.000	183.87
	43 1,2-Dichloropropane	63	5.426	5.426	(1.096)	1739313	200.000	184.88
	44 1,4-Dioxane	88	5.533	5.533	(1.117)	786237	10000.0	9634.1(A)
	45 Dibromomethane	93	5.533	5.533	(1.117)	872956	200.000	184.94
	46 Bromodichloromethane	83	5.651	5.651	(1.141)	2102281	200.000	184.43
	47 2-Chloroethyl vinyl ether	63	5.899	5.899	(1.191)	2293570	400.000	402.78(A)
	48 cis-1,3-Dichloropropene	75	6.030	6.030	(1.217)	2719619	200.000	185.97
	49 4-Methyl-2-pentanone	43	6.148	6.148	(1.241)	3671165	400.000	386.03(A)
	50 Toluene	91	6.337	6.337	(0.837)	6723121	200.000	183.02
	51 trans-1,3-Dichloropropene	75	6.503	6.503	(0.859)	2546542	200.000	183.75
	52 Ethyl Methacrylate	69	6.586	6.586	(0.870)	2448559	200.000	188.22
	53 1,1,2-Trichloroethane	97	6.669	6.669	(0.881)	1326563	200.000	180.78
	54 1,3-Dichloropropane	76	6.822	6.822	(0.901)	2515704	200.000	184.38
	55 Tetrachloroethene	164	6.834	6.834	(0.903)	903798	200.000	181.86
	56 2-Hexanone	43	6.882	6.882	(0.909)	2991057	400.000	364.81(A)
	57 Dibromochloromethane	129	7.035	7.035	(0.930)	1375067	200.000	183.28
	58 1,2-Dibromoethane	107	7.142	7.142	(0.944)	1323645	200.000	185.95
	59 Chlorobenzene	112	7.592	7.592	(1.003)	3933514	200.000	182.52
	60 1,1,1,2-Tetrachloroethane	131	7.663	7.663	(1.013)	1352260	200.000	179.74
	61 Ethylbenzene	106	7.698	7.698	(1.017)	2062734	200.000	182.49
	62 m + p-Xylene	106	7.805	7.805	(1.031)	5062412	400.000	368.26(A)
M	63 Xylenes (total)	106				7533531	600.000	549.97
	64 Xylene-o	106	8.171	8.171	(1.080)	2471119	200.000	181.71
	65 Styrene	104	8.183	8.183	(1.081)	4537123	200.000	185.67

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77658.D
Report Date: 16-Jul-2004 08:36

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)	858783	200.000	185.88
67 Isopropylbenzene	105	8.526	8.526	(1.127)	5515405	200.000	187.71
68 1,1,2,2-Tetrachloroethane	83	8.787	8.787	(0.897)	1819345	200.000	180.96
69 1,4-Dichloro-2-butene	53	8.846	8.846	(0.903)	684294	200.000	185.37
70 1,2,3-Trichloropropane	110	8.834	8.834	(0.902)	541193	200.000	175.95
71 Bromobenzene	156	8.822	8.822	(0.901)	1397890	200.000	177.76
72 n-Propylbenzene	120	8.917	8.917	(0.911)	1398332	200.000	181.59
73 2-Chlorotoluene	126	9.000	9.000	(0.919)	1308710	200.000	178.94
74 1,3,5-Trimethylbenzene	105	9.082	9.082	(0.927)	4694713	200.000	184.82
75 4-Chlorotoluene	126	9.106	9.106	(0.930)	1362348	200.000	178.13
76 tert-Butylbenzene	119	9.402	9.402	(0.960)	3632221	200.000	183.68
77 1,2,4-Trimethylbenzene	105	9.449	9.449	(0.965)	4904452	200.000	185.22
78 sec-Butylbenzene	105	9.627	9.627	(0.983)	5307487	200.000	187.02
79 4-Isopropyltoluene	119	9.757	9.757	(0.996)	4216219	200.000	187.31
80 1,3-Dichlorobenzene	146	9.733	9.733	(0.994)	2433573	200.000	179.80
81 1,4-Dichlorobenzene	146	9.816	9.816	(1.002)	2535918	200.000	179.38
82 n-Butylbenzene	91	10.159	10.159	(1.037)	4146242	200.000	188.79
83 1,2-Dichlorobenzene	146	10.183	10.183	(1.040)	2423214	200.000	178.98
84 1,2-Dibromo-3-chloropropane	157	10.940	10.940	(1.117)	368703	200.000	193.62
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	1404144	200.000	187.03
86 Hexachlorobutadiene	225	11.958	11.958	(1.221)	551669	200.000	192.82
87 Naphthalene	128	12.017	12.017	(1.227)	5039881	200.000	210.78(A)
88 1,2,3-Trichlorobenzene	180	12.265	12.265	(1.253)	1304187	200.000	203.52(A)
98 Cyclohexane	56	4.503	4.503	(0.909)	2654749	200.000	198.37
143 Methyl Acetate	43	2.929	2.929	(0.592)	2523746	400.000	386.51
144 Methylcyclohexane	83	5.438	5.438	(1.098)	1891140	200.000	196.08
141 1,3,5-Trichlorobenzene	180	11.165	11.165	(1.140)	1446631	200.000	185.20

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77659.D
Report Date: 16-Jul-2004 08:37

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 50NG ICV
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk
Sublist File: 1-8260.SUB

Client SDG: SDGa00434
Fraction: VOA

Operator: 1754
SampleType: METHSPIKE
Quant Type: ISTD

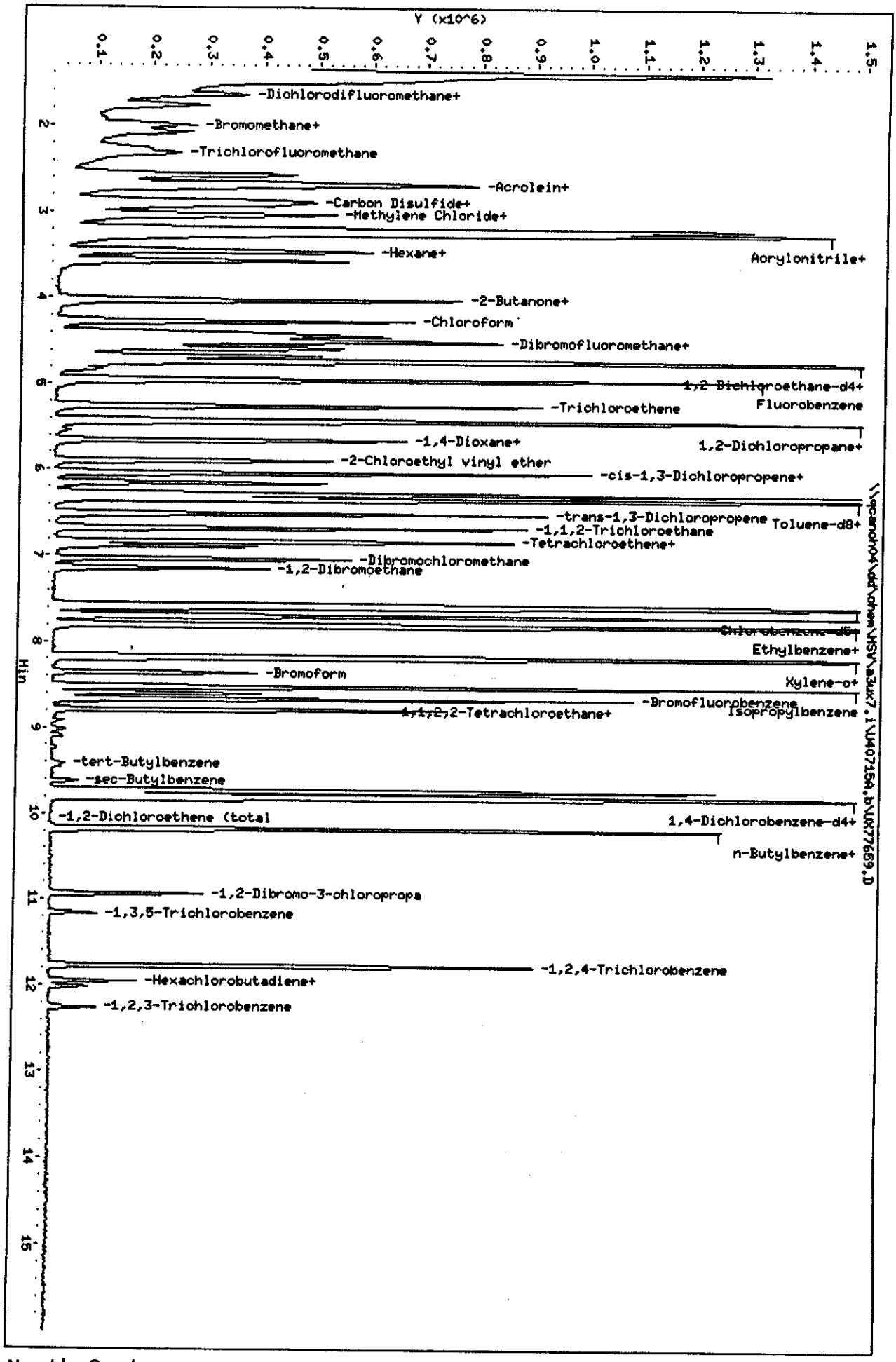
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Misc Info: U40715A,N8260UX7-3,1-8260.SUB,1754,2

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	9.748	97.48	45-155
	42 Trichloroethene	10.000	9.184	91.84	45-155
	59 Chlorobenzene	10.000	9.039	90.39	45-155
	50 Toluene	10.000	8.934	89.34	45-155
	41 Benzene	10.000	8.949	89.49	45-155
	16 Acetone	10.000	5.652	56.52	45-155
	20 Carbon Disulfide	10.000	10.026	100.26	45-155
	9 Chloromethane	10.000	8.725	87.25	45-155
	11 Bromomethane	10.000	9.307	93.07	45-155
	10 Vinyl Chloride	10.000	9.218	92.18	45-155
	12 Chloroethane	10.000	8.691	86.91	45-155
	21 Methylene Chloride	10.000	9.312	93.12	45-155
	28 1,1-Dichloroethane	10.000	9.161	91.61	45-155
M	31 1,2-Dichloroethene	20.000	18.267	91.34	45-155
	35 Chloroform	10.000	9.052	90.52	45-155
	40 1,2-Dichloroethane	10.000	9.023	90.23	45-155
	30 2-Butanone	10.000	6.839	68.39	45-155
	37 1,1,1-Trichloroeth	10.000	9.221	92.21	45-155
	39 Carbon Tetrachlori	10.000	9.412	94.12	45-155
	46 Bromodichlorometha	10.000	9.026	90.26	45-155
	43 1,2-Dichloropropan	10.000	9.011	90.11	45-155
	48 cis-1,3-Dichloropr	10.000	8.932	89.32	45-155
	57 Dibromochlorometha	10.000	9.023	90.23	45-155
	53 1,1,2-Trichloroeth	10.000	8.784	87.84	45-155
	51 trans-1,3-Dichloro	10.000	8.599	85.99	45-155
	66 Bromoform	10.000	8.994	89.94	45-155
	49 4-Methyl-2-pentano	10.000	8.657	86.57	45-155
	56 2-Hexanone	10.000	7.003	70.03	45-155
	55 Tetrachloroethene	10.000	9.364	93.64	45-155
	68 1,1,2,2-Tetrachlor	10.000	8.557	85.57	45-155
	61 Ethylbenzene	10.000	9.041	90.41	45-155
	65 Styrene	10.000	9.049	90.49	45-155
	62 m + p-Xylene	20.000	18.422	92.11	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77659.D
Report Date: 16-Jul-2004 08:37

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
M 63 Xylenes (total)	30.000	27.331	91.10	45-155
64 Xylene-o	10.000	8.908	89.08	45-155
32 cis-1,2-dichloroet	10.000	9.013	90.13	45-155
25 trans-1,2-Dichloro	10.000	9.254	92.54	45-155
8 Dichlorodifluorome	10.000	10.708	107.08	45-155
13 Trichlorofluoromet	10.000	9.870	98.70	45-155
18 Freon-113	10.000	11.709	117.09	45-155
24 Methyl tert-butyl	10.000	7.077	70.77	45-155
58 1,2-Dibromoethane	10.000	9.169	91.69	45-155
67 Isopropylbenzene	10.000	9.441	94.41	45-155
80 1,3-Dichlorobenzen	10.000	8.864	88.64	45-155
81 1,4-Dichlorobenzen	10.000	8.932	89.32	45-155
83 1,2-Dichlorobenzen	10.000	8.814	88.14	45-155
84 1,2-Dibromo-3-chlo	10.000	9.270	92.70	45-155
85 1,2,4-Trichloroben	10.000	8.832	88.32	45-155
98 Cyclohexane	10.000	9.833	98.33	45-155
143 Methyl Acetate	10.000	10.118	101.18	45-155
144 Methylcyclohexane	10.000	9.434	94.34	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.012	90.12	73-122
$ 5 1,2-Dichloroethane	10.000	9.201	92.01	61-128
$ 6 Toluene-d8	10.000	9.275	92.75	76-110
$ 7 Bromofluorobenzene	10.000	8.900	89.00	74-116


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40715A.b\UX77659.D
Date : 15-JUL-2004 11:40
Client ID:
Sample Info: 50NG ICV
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+
-Hexane+
Acrylonitrile+
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
1,2-Dichloroethane-d4+
-Trichloroethene
Fluorobenzene
-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
-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
-Hexachlorobutadiene+
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux7.i\U40715A.b\UX77659.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77659.D
Report Date: 16-Jul-2004 08:37

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77659.D
Lab Smp Id: 50NG ICV
Inj Date : 15-JUL-2004 11:40
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NG ICV
Misc Info : U40715A,N8260UX7-3,1-8260.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:36 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	4.955	4.953	(1.000)	1452935	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.568	(1.000)	995216	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.792	(1.000)	434380	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.397	(0.888)	288747	45.0629	9.012
$ 5 1,2-Dichloroethane-d4	65	4.671	4.669	(0.943)	447988	46.0036	9.201
$ 6 Toluene-d8	98	6.280	6.278	(0.830)	1249632	46.3734	9.275
$ 7 Bromofluorobenzene	95	8.670	8.668	(1.145)	462977	44.4983	8.900
8 Dichlorodifluoromethane	85	1.594	1.580	(0.322)	284589	53.5428	10.708
9 Chloromethane	50	1.642	1.663	(0.331)	510776	43.6266	8.725
10 Vinyl Chloride	62	1.760	1.770	(0.355)	464314	46.0924	9.218
11 Bromomethane	94	1.997	1.995	(0.403)	241074	46.5336	9.307
12 Chloroethane	64	2.068	2.066	(0.417)	296521	43.4564	8.691
13 Trichlorofluoromethane	101	2.316	2.314	(0.467)	444723	49.3510	9.870
15 Acrolein	56	2.564	2.563	(0.518)	837267	542.779	108.56
16 Acetone	43	2.683	2.669	(0.541)	126704	28.2606	5.652
17 1,1-Dichloroethene	96	2.683	2.669	(0.541)	339218	48.7376	9.748
18 Freon-113	151	2.695	2.693	(0.544)	240586	58.5442	11.709
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77659.D
Report Date: 16-Jul-2004 08:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	20 Carbon Disulfide	76	2.872	2.858	(0.580)	1229024	50.1328	10.026
	21 Methylene Chloride	84	3.038	3.036	(0.613)	414631	46.5589	9.312
	22 Acetonitrile	41	2.896	2.894	(0.584)	585829	513.274	102.65
	23 Acrylonitrile	53	3.203	3.202	(0.647)	1685490	479.323	95.864
	24 Methyl tert-butyl ether	73	3.251	3.249	(0.656)	1174669	35.3870	7.077
	25 trans-1,2-Dichloroethene	96	3.251	3.249	(0.656)	377115	46.2679	9.254
	26 Hexane	86	3.464	3.462	(0.699)	72840	56.4615	11.292
	27 Vinyl acetate	43	3.464	3.580	(0.699)	256532	13.6568	2.731
	28 1,1-Dichloroethane	63	3.570	3.568	(0.721)	721410	45.8063	9.161
	29 tert-Butyl Alcohol	59	3.109	3.107	(0.627)	42803	44.8672	8.973
	30 2-Butanone	43	4.020	4.006	(0.811)	191385	34.1956	6.839
M	31 1,2-Dichloroethene (total)	96				769169	91.3343	18.267
	32 cis-1,2-dichloroethene	96	4.032	4.030	(0.814)	392054	45.0664	9.013
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.268	4.266	(0.861)	641887	45.2618	9.052
	36 Tetrahydrofuran	42	4.008	4.255	(0.809)	12951	3.63953	0.7279
	37 1,1,1-Trichloroethane	97	4.446	4.444	(0.897)	579475	46.1063	9.221
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.588	4.586	(0.926)	444314	47.0618	9.412
	40 1,2-Dichloroethane	62	4.730	4.728	(0.955)	564171	45.1138	9.023
	41 Benzene	78	4.730	4.728	(0.955)	1585685	44.7466	8.949
	42 Trichloroethene	130	5.262	5.260	(1.062)	349906	45.9201	9.184
	43 1,2-Dichloropropane	63	5.428	5.426	(1.096)	416571	45.0571	9.011
	44 1,4-Dioxane	88	5.546	5.533	(1.119)	22904	285.588	57.118(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.653	5.651	(1.141)	505580	45.1327	9.026
	47 2-Chloroethyl vinyl ether	63	5.901	5.899	(1.191)	274290	49.0153	9.803
	48 cis-1,3-Dichloropropene	75	6.031	6.030	(1.217)	641781	44.6579	8.932
	49 4-Methyl-2-pentanone	43	6.150	6.148	(1.241)	404542	43.2860	8.657
	50 Toluene	91	6.339	6.337	(0.837)	1597005	44.6692	8.934
	51 trans-1,3-Dichloropropene	75	6.505	6.503	(0.859)	579901	42.9948	8.599
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.670	6.669	(0.881)	313671	43.9208	8.784
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.836	6.834	(0.903)	226461	46.8205	9.364
	56 2-Hexanone	43	6.883	6.882	(0.909)	279399	35.0150	7.003
	57 Dibromochloromethane	129	7.037	7.035	(0.930)	329397	45.1131	9.023
	58 1,2-Dibromoethane	107	7.144	7.142	(0.944)	317589	45.8443	9.169
	59 Chlorobenzene	112	7.593	7.592	(1.003)	947900	45.1931	9.039
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.700	7.698	(1.017)	497284	45.2054	9.041
	62 m + p-Xylene	106	7.806	7.805	(1.031)	1232325	92.1115	18.422
M	63 Xylenes (total)	106				1821860	136.654	27.331
	64 Xylene-o	106	8.173	8.171	(1.080)	589535	44.5422	8.908
	65 Styrene	104	8.185	8.183	(1.081)	1076057	45.2461	9.049
	66 Bromoform	173	8.363	8.361	(1.105)	202214	44.9723	8.994

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77659.D
Report Date: 16-Jul-2004 08:37

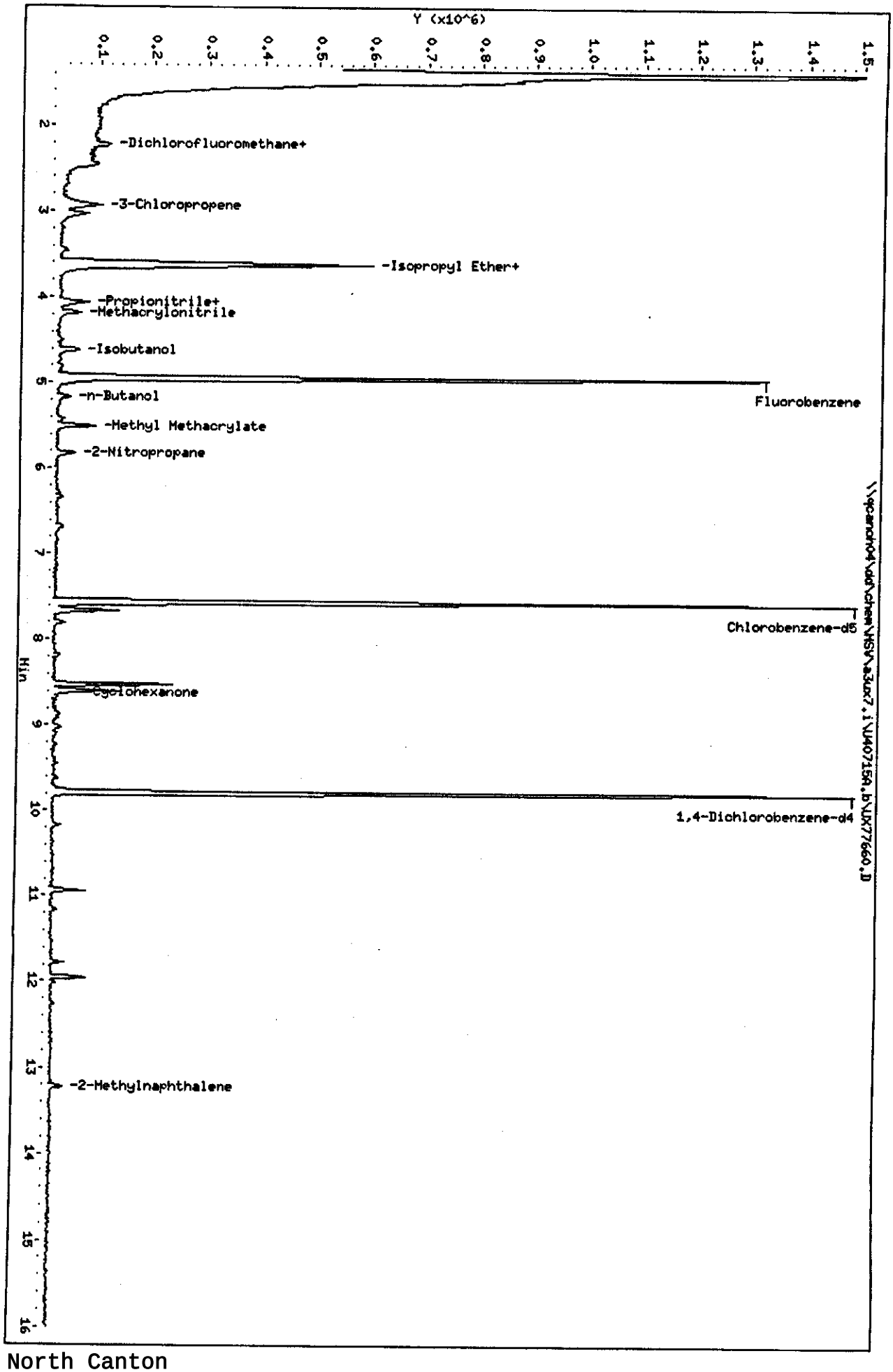
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.528	8.526	(1.127)	1349886	47.2048	9.441
68 1,1,2,2-Tetrachloroethane	83	8.789	8.787	(0.897)	419660	42.7848	8.557
69 1,4-Dichloro-2-butene	53	8.599	8.846	(0.878)	8304	2.30577	0.4612
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	9.404	9.402	(0.960)	16005	0.82961	0.1659
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	9.617	9.627	(0.982)	40614	1.46695	0.2934
79 4-Isopropyltoluene	119	9.759	9.757	(0.996)	33426	1.52216	0.3044
80 1,3-Dichlorobenzene	146	9.735	9.733	(0.994)	585228	44.3191	8.864
81 1,4-Dichlorobenzene	146	9.818	9.816	(1.002)	615937	44.6581	8.932
82 n-Butylbenzene	91	10.161	10.159	(1.037)	73609	3.43543	0.6871
83 1,2-Dichlorobenzene	146	10.185	10.183	(1.040)	582135	44.0723	8.814
84 1,2-Dibromo-3-chloropropane	157	10.942	10.940	(1.117)	86109	46.3496	9.270
85 1,2,4-Trichlorobenzene	180	11.782	11.780	(1.203)	323459	44.1613	8.832
86 Hexachlorobutadiene	225	11.960	11.958	(1.221)	33584	12.0323	2.406
87 Naphthalene	128	12.019	12.017	(1.227)	62167	2.66507	0.5330
88 1,2,3-Trichlorobenzene	180	12.267	12.265	(1.252)	32354	5.17511	1.035
98 Cyclohexane	56	4.505	4.503	(0.909)	646604	49.1645	9.833
143 Methyl Acetate	43	2.931	2.929	(0.592)	324626	50.5906	10.118
144 Methylcyclohexane	83	5.428	5.438	(1.096)	447098	47.1708	9.434
141 1,3,5-Trichlorobenzene	180	11.167	11.165	(1.140)	31151	4.08777	0.8176

QC Flag Legend

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

Data File: \\qcanoh04\ddf\chem\HSV\a3ux7.i\U407150.b\UX77660.D
Date : 15-JUL-2004 12:34
Client ID:
Sample Info: 5.0NG090L
Purge Volume: 5.0
Column phase: DB624 20m

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



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Report Date: 16-Jul-2004 08:37

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77660.D
Lab Smp Id: 5.0NGA9CAL
Inj Date : 15-JUL-2004 12:34
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 5.0NGA9CAL
Misc Info : U40715A,N8260UX7-3,3-IX.SUB,1754,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:37 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: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

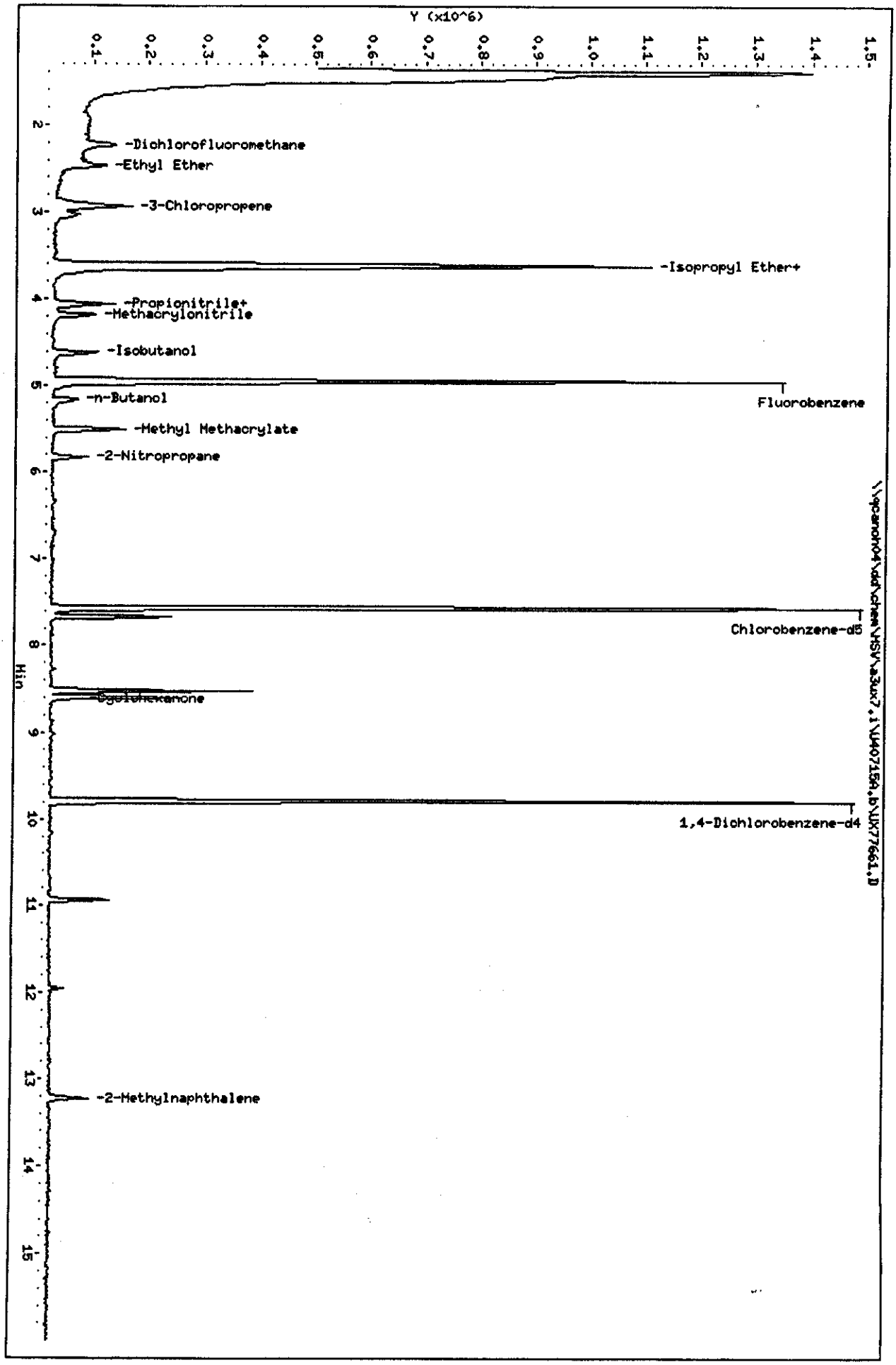
Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	1509420	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.568	(1.000)	1022093	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	427699	50.0000	
14 Dichlorofluoromethane	67	2.231	2.231	(0.451)	94426	5.00000	4.980
89 Ethyl Ether	59	2.456	2.456	(0.496)	38651	5.00000	5.332
91 3-Chloropropene	76	2.941	2.941	(0.594)	26879	5.00000	6.033
92 Isopropyl Ether	87	3.615	3.615	(0.730)	192010	25.0000	26.695
93 2-Chloro-1,3-butadiene	53	3.639	3.639	(0.735)	73861	5.00000	5.319
94 Propionitrile	54	4.053	4.053	(0.818)	15054	10.0000	11.103
95 Ethyl Acetate	43	4.065	4.065	(0.821)	89892	10.0000	10.458
96 Methacrylonitrile	41	4.183	4.183	(0.845)	31609	5.00000	5.560
97 Isobutanol	41	4.621	4.621	(0.611)	29662	100.000	108.58
99 n-Butanol	56	5.165	5.165	(0.683)	30791	100.000	119.33
100 Methyl Methacrylate	41	5.509	5.509	(1.112)	43979	5.00000	5.340
101 2-Nitropropane	41	5.828	5.828	(1.177)	27342	10.0000	10.782
103 Cyclohexanone	55	8.597	8.597	(0.878)	65501	50.0000	59.534
146 2-Methylnaphthalene	142	13.224	13.224	(1.350)	14733	10.0000	14.446

Data File: \\qcanon04\dd\chem\HSV\a3ux7.i\U407150.b\UX77661.D
Date : 15-JUL-2004 12:58
Client ID:
Sample Info: 10NGA9CAL
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\U40715A.b\UX77661.D
Report Date: 16-Jul-2004 08:38

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77661.D
Lab Smp Id: 10NGA9CAL
Inj Date : 15-JUL-2004 12:58
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 10NGA9CAL
Misc Info : U40715A,N8260UX7-3,3-IX.SUB,1754,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:38 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: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

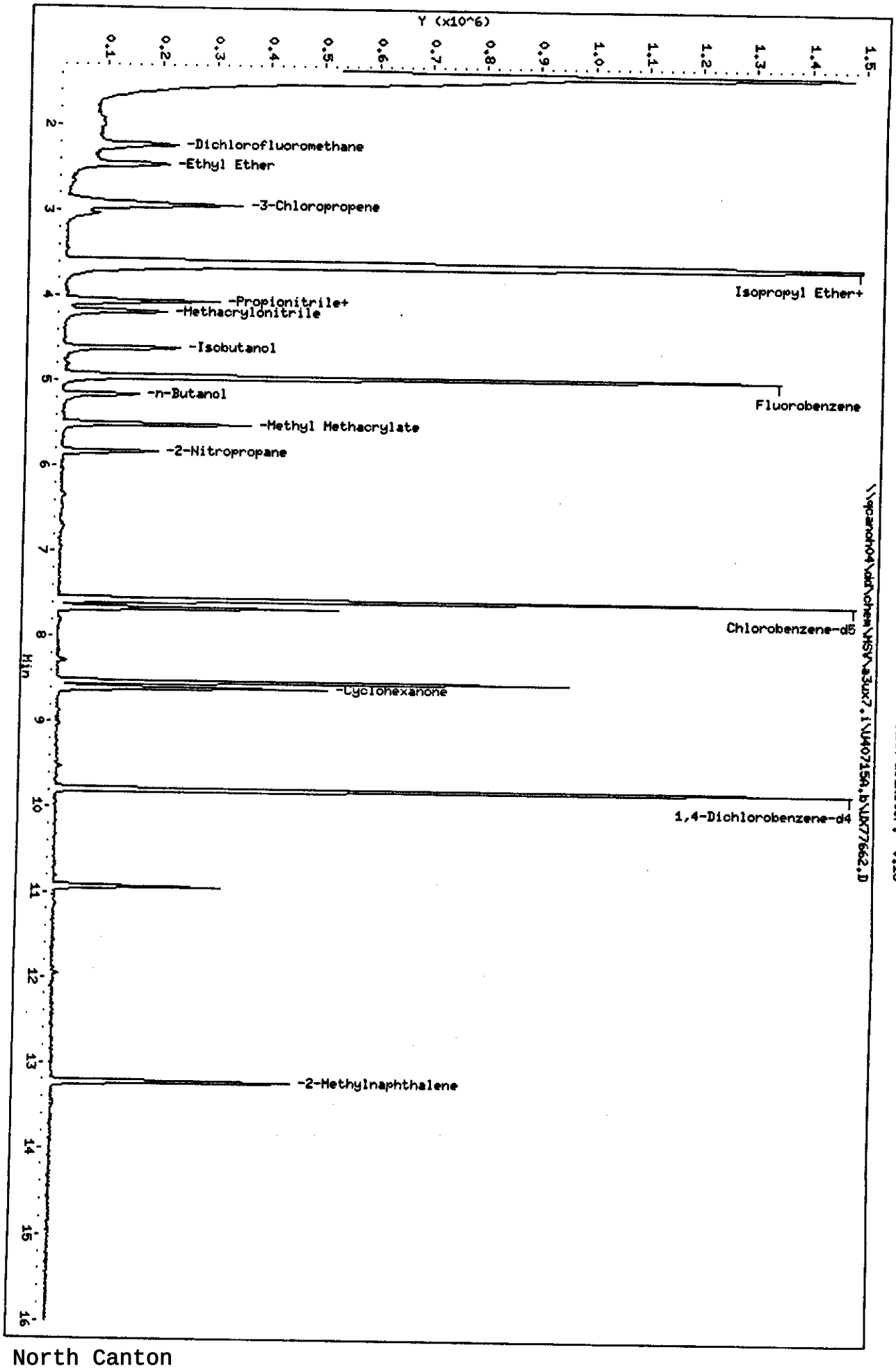
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.943	4.943	(1.000)	1502019	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.570	(1.000)	1003398	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.795	(1.000)	423169	50.0000	
14 Dichlorofluoromethane	67	2.234	2.234	(0.452)	152427	10.0000	9.815
89 Ethyl Ether	59	2.470	2.470	(0.500)	76228	10.0000	10.568
91 3-Chloropropene	76	2.944	2.944	(0.596)	46781	10.0000	10.552
92 Isopropyl Ether	87	3.618	3.618	(0.732)	364339	50.0000	50.904
93 2-Chloro-1,3-butadiene	53	3.642	3.642	(0.737)	145087	10.0000	10.499
94 Propionitrile	54	4.056	4.056	(0.820)	29524	20.0000	21.882
95 Ethyl Acetate	43	4.056	4.056	(0.820)	174916	20.0000	20.451
96 Methacrylonitrile	41	4.186	4.186	(0.847)	59411	10.0000	10.503
97 Isobutanol	41	4.612	4.612	(0.609)	57059	200.000	212.76(A)
99 n-Butanol	56	5.168	5.168	(0.683)	50809	200.000	200.58(A)
100 Methyl Methacrylate	41	5.511	5.511	(1.115)	84568	10.0000	10.319
101 2-Nitropropane	41	5.831	5.831	(1.180)	51414	20.0000	20.374
103 Cyclohexanone	55	8.600	8.600	(0.878)	120732	100.000	110.91
146 2-Methylnaphthalene	142	13.226	13.226	(1.350)	46860	20.0000	18.336

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77661.D
Report Date: 16-Jul-2004 08:38

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 15-JUL-2004 13:21
Client ID:
Sample Info: 25NG49CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
-n-Butanol
Fluorobenzene
-Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
-2-Methylnaphthalene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77662.D
Report Date: 16-Jul-2004 08:39

STL North Canton

VOLATILE REPORT SW-846 Method

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Lab Smp Id: 25NGA9CAL
Inj Date : 15-JUL-2004 13:21
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 25NGA9CAL
Misc Info : U40715A,N8260UX7-3,3-IX.SUB,1754,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:39 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: 3-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	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	1477988	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	1001195	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	426707	50.0000	
14 Dichlorofluoromethane	67	2.230	2.230	(0.450)	339062	25.0000	25.577
89 Ethyl Ether	59	2.467	2.467	(0.498)	177060	25.0000	24.947
91 3-Chloropropene	76	2.940	2.940	(0.594)	102895	25.0000	23.585
92 Isopropyl Ether	87	3.626	3.626	(0.732)	882487	125.000	125.30
93 2-Chloro-1,3-butadiene	53	3.650	3.650	(0.737)	341409	25.0000	25.108
94 Propionitrile	54	4.052	4.052	(0.818)	65878	50.0000	49.620
95 Ethyl Acetate	43	4.052	4.052	(0.818)	427776	50.0000	50.828
96 Methacrylonitrile	41	4.182	4.182	(0.845)	142675	25.0000	25.632
97 Isobutanol	41	4.608	4.608	(0.609)	136548	500.000	510.27(A)
99 n-Butanol	56	5.153	5.153	(0.681)	125281	500.000	495.67(A)
100 Methyl Methacrylate	41	5.508	5.508	(1.112)	204465	25.0000	25.354
101 2-Nitropropane	41	5.827	5.827	(1.177)	126732	50.0000	51.038
103 Cyclohexanone	55	8.596	8.596	(0.878)	264354	250.000	240.83(A)
146 2-Methylnaphthalene	142	13.223	13.223	(1.350)	289459	50.0000	47.084

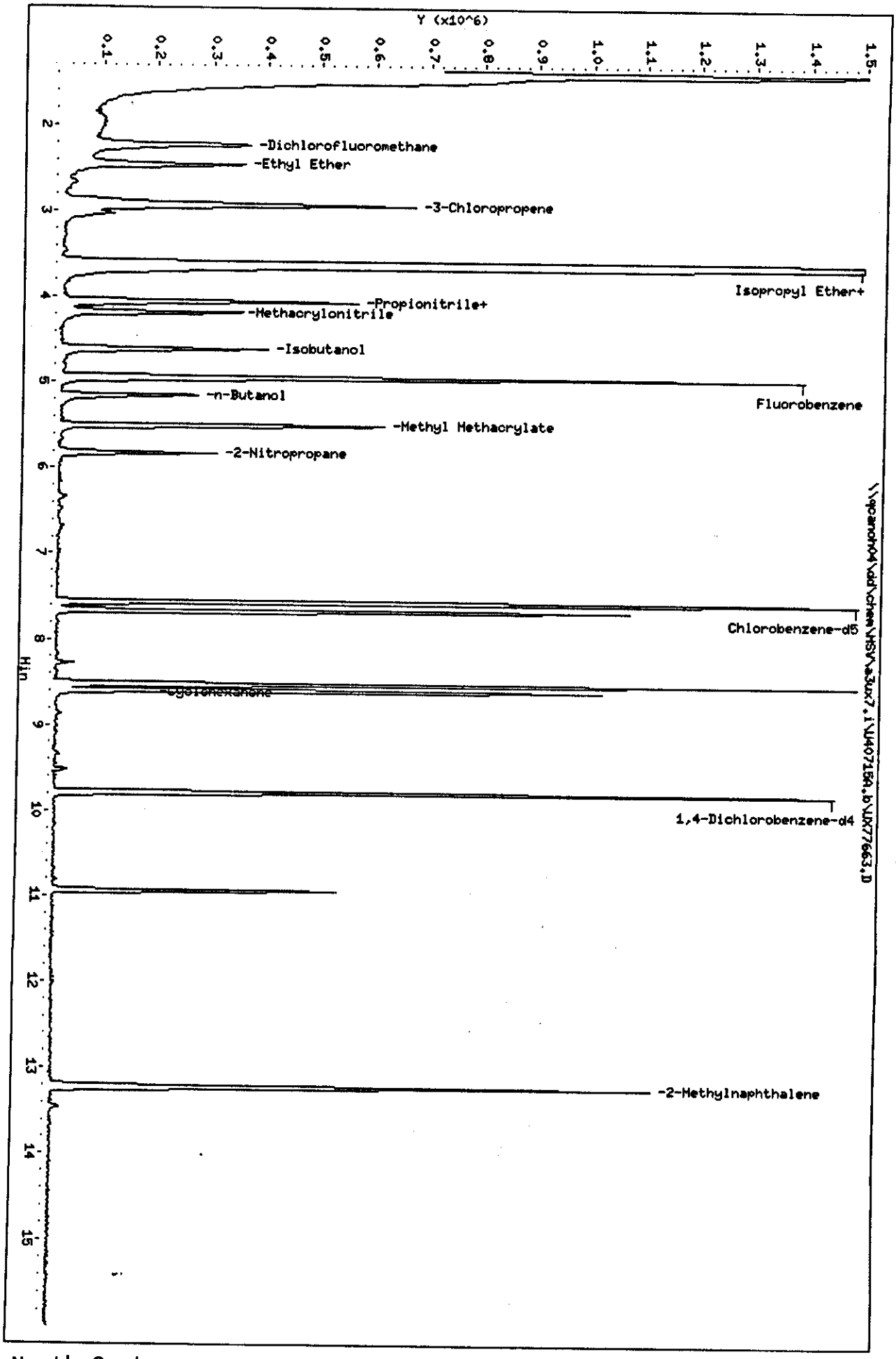
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77662.D
Report Date: 16-Jul-2004 08:39

QC Flag Legend

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

Data File: \\qcanch04\dd\chem\HSV\a3ux7.i\U407150.b\UX77663.D
Date : 15-JUL-2004 14:09
Client ID:
Sample Info: 50NG490AL
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\U40715A.b\UX77663.D
Report Date: 16-Jul-2004 08:39

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77663.D
Lab Smp Id: 50NGA9CAL
Inj Date : 15-JUL-2004 14:09
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NGA9CAL
Misc Info : U40715A,N8260UX7-3,3-IX.SUB,1754,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:39 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: 3-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	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.942	4.942	(1.000)	1491895	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.569	(1.000)	1013147	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.794	(1.000)	430589	50.0000	
14 Dichlorofluoromethane	67	2.233	2.233	(0.452)	636441	50.0000	49.487
89 Ethyl Ether	59	2.457	2.457	(0.497)	334740	50.0000	46.723
91 3-Chloropropene	76	2.931	2.931	(0.593)	199646	50.0000	45.336
92 Isopropyl Ether	87	3.617	3.617	(0.732)	1698224	250.000	238.88(A)
93 2-Chloro-1,3-butadiene	53	3.641	3.641	(0.737)	637015	50.0000	46.411
94 Propionitrile	54	4.055	4.055	(0.820)	121155	100.000	90.405
95 Ethyl Acetate	43	4.055	4.055	(0.820)	786920	100.000	92.629
96 Methacrylonitrile	41	4.173	4.173	(0.844)	254995	50.0000	45.384
97 Isobutanol	41	4.611	4.611	(0.609)	235596	1000.00	870.02(A)
99 n-Butanol	56	5.155	5.155	(0.681)	220978	1000.00	863.97(A)
100 Methyl Methacrylate	41	5.498	5.498	(1.113)	374233	50.0000	45.972
101 2-Nitropropane	41	5.830	5.830	(1.180)	224847	100.000	89.708
103 Cyclohexanone	55	8.599	8.599	(0.878)	509649	500.000	460.11(A)
146 2-Methylnaphthalene	142	13.225	13.225	(1.350)	738092	100.000	98.668

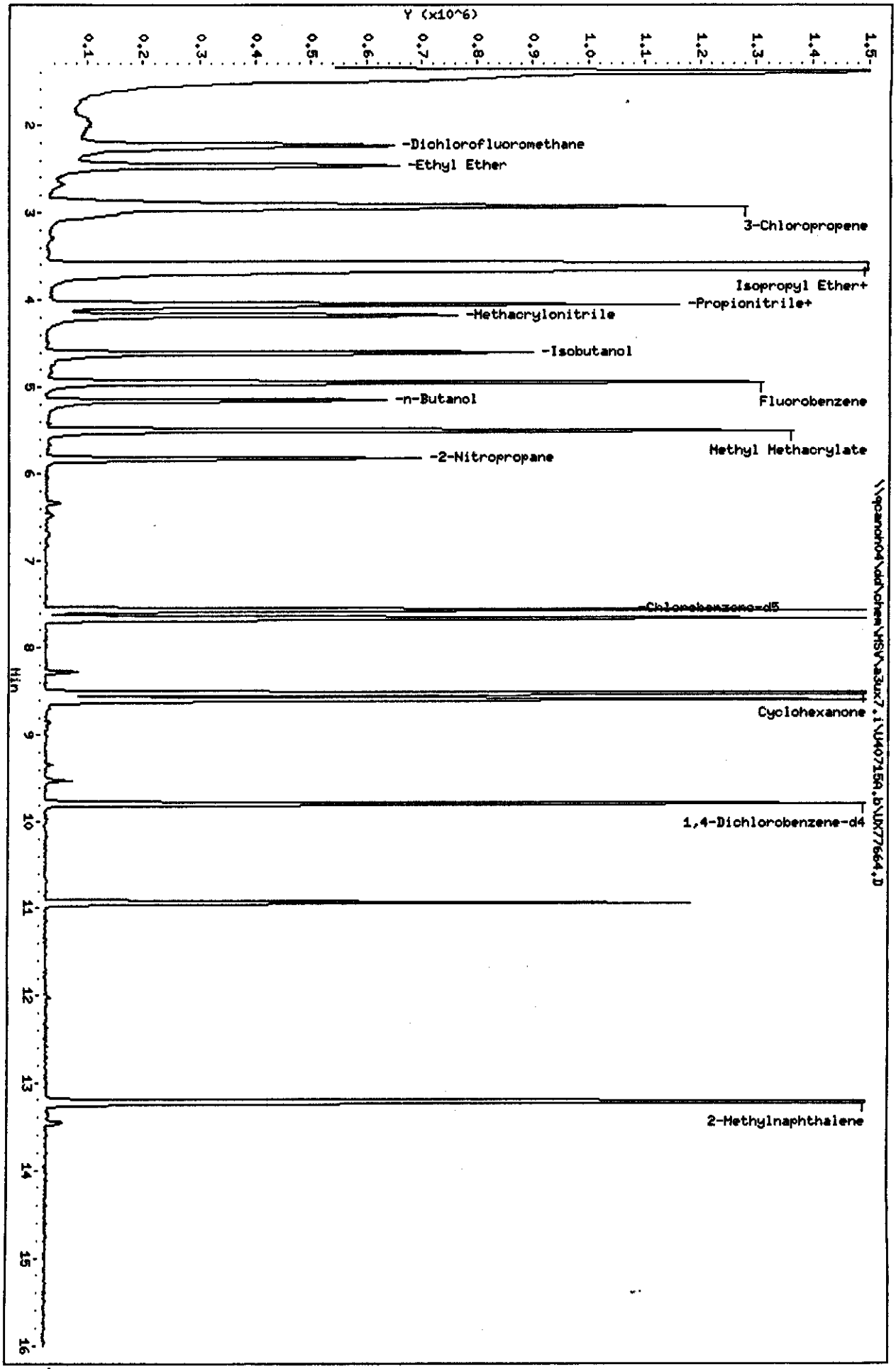
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77663.D
Report Date: 16-Jul-2004 08:39

QC Flag Legend

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

Data File: \\qcanon04\dd\chem\HSV\a3ux7.i\U407150.b\UK77664.D
Date : 15-JUL-2004 14:33
Client ID:
Sample Info: 100NG@9CAL
Purge Volume: 5.0
Column phase: DB624 20m

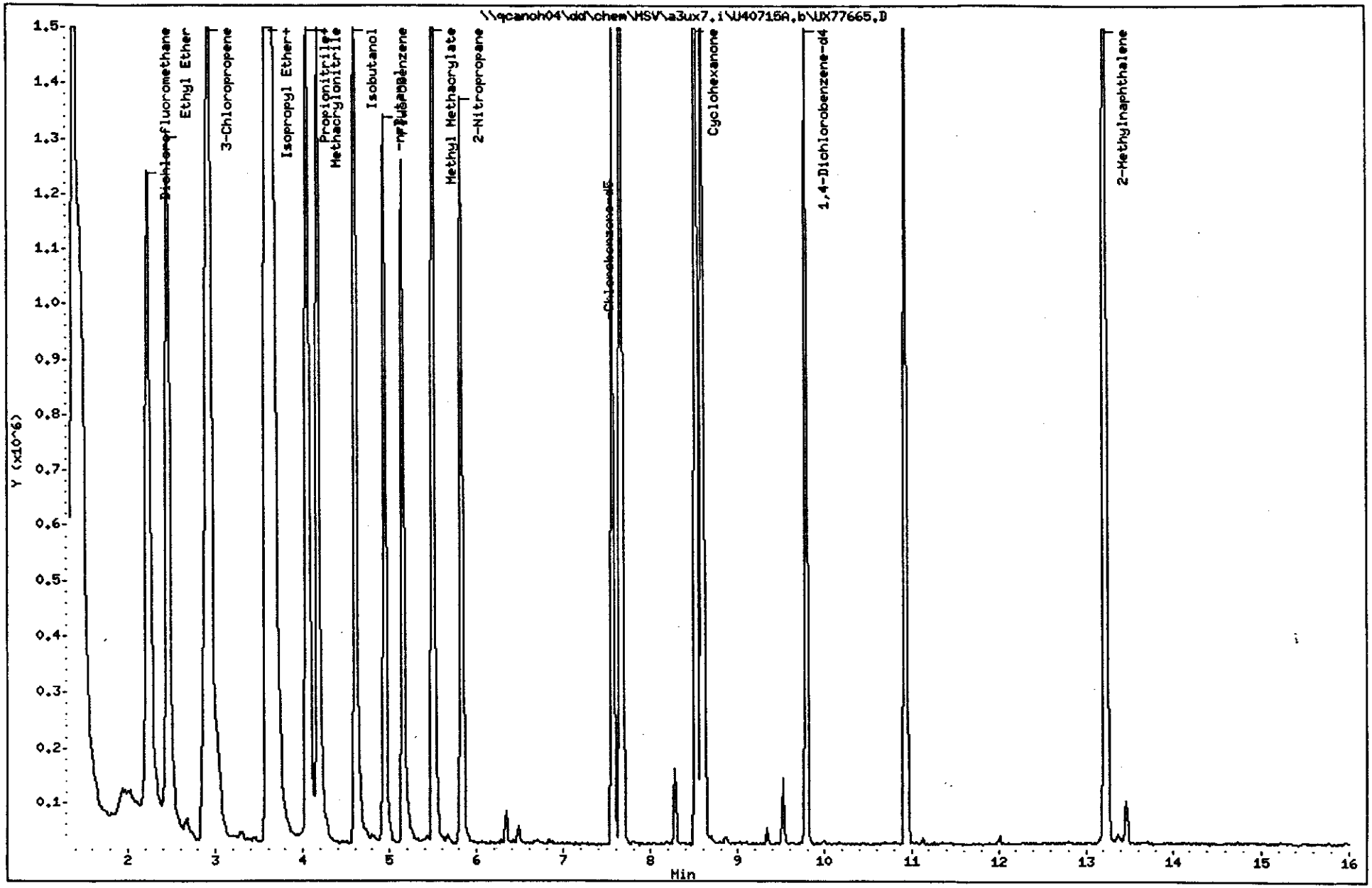
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40715A.b\UX77665.D
Date : 15-JUL-2004 14:56
Client ID:
Sample Info: 200NGA9CAL
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\U40715A.b\UX77665.D
Report Date: 16-Jul-2004 08:41

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77665.D
Lab Smp Id: 200NGA9CAL
Inj Date : 15-JUL-2004 14:56
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 200NGA9CAL
Misc Info : U40715A,N8260UX7-3,3-IX.SUB,1754,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:41 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: 3-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	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.951	4.951	(1.000)	1475827	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	1008500	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	431523	50.0000	
14 Dichlorofluoromethane	67	2.230	2.230	(0.450)	2613190	200.000	199.98
89 Ethyl Ether	59	2.467	2.467	(0.498)	1390913	200.000	196.26
91 3-Chloropropene	76	2.940	2.940	(0.594)	835474	200.000	191.79
92 Isopropyl Ether	87	3.626	3.626	(0.732)	6954037	1000.00	988.84(A)
93 2-Chloro-1,3-butadiene	53	3.650	3.650	(0.737)	2716070	200.000	200.04(A)
94 Propionitrile	54	4.052	4.052	(0.818)	505799	400.000	381.53(A)
95 Ethyl Acetate	43	4.052	4.052	(0.818)	3356293	400.000	399.37(A)
96 Methacrylonitrile	41	4.182	4.182	(0.845)	1058107	200.000	190.37
97 Isobutanol	41	4.608	4.608	(0.609)	1061509	4000.00	3938.0(A)
99 n-Butanol	56	5.153	5.153	(0.681)	967584	4000.00	3800.5(A)
100 Methyl Methacrylate	41	5.508	5.508	(1.112)	1592091	200.000	197.71
101 2-Nitropropane	41	5.827	5.827	(1.177)	986409	400.000	397.84(A)
103 Cyclohexanone	55	8.596	8.596	(0.878)	2002347	2000.00	1803.8(A)
146 2-Methylnaphthalene	142	13.223	13.223	(1.350)	3576115	400.000	399.69

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77665.D
Report Date: 16-Jul-2004 08:41

QC Flag Legend

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

Report Date: 16-Jul-2004 09:52

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\N8260UX7-3.m
Start Cal Date: 20-APR-2004 14:54
End Cal Date : 15-JUL-2004 14:56
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
15-JUL-2004 09:20	1-8260	UX77653.D
Cal Level: 2 , Cal Amount: 10.000		
15-JUL-2004 12:58	3-IX	UX77661.D
15-JUL-2004 09:43	1-8260	UX77654.D
Cal Level: 3 , Cal Amount: 25.000		
15-JUL-2004 13:21	3-IX	UX77662.D
15-JUL-2004 10:07	1-8260	UX77655.D
Cal Level: 4 , Cal Amount: 50.000		
15-JUL-2004 14:09	3-IX	UX77663.D
15-JUL-2004 10:30	1-8260	UX77656.D
Cal Level: 5 , Cal Amount: 100.00		
15-JUL-2004 14:33	3-IX	UX77664.D
15-JUL-2004 10:53	1-8260	UX77657.D
Cal Level: 6 , Cal Amount: 200.00		
15-JUL-2004 14:56	3-IX	UX77665.D
15-JUL-2004 11:16	1-8260	UX77658.D

Continuing Calibration

15-JUL-2004 16:15	1-8260	UX77667.D
15-JUL-2004 15:52	3-IX	UX77666.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b/UX77667.D
Report Date: 07/16/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77667.D
Analysis Type: WATER

Injection Date: 15-JUL-2004 16:15
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	47.4753	5.0	50.0
0 Bromodichloromethane	50.0000	47.0447	5.9	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	45.0984	9.8	50.0
0 Bromoform	50.0000	46.4969	7.0	50.0
0 Styrene	50.0000	47.7220	4.6	50.0
0 Xylene-o	50.0000	47.5162	5.0	50.0
0 Xylenes (total)	150.0000	142.5348	5.0	50.0
0 2-Hexanone	100.0000	92.8105	7.2	50.0
0 Chloromethane	50.0000	50.4864	1.0	50.0
0 Vinyl Chloride	50.0000	55.1676	10.3	20.0
0 Bromomethane	50.0000	56.5996	13.2	50.0
0 Chloroethane	50.0000	51.4370	2.9	50.0
0 1,1-Dichloroethane	50.0000	46.9771	6.0	50.0
0 Tetrachloroethene	50.0000	49.0378	1.9	50.0
0 Acetone	100.0000	92.9904	7.0	50.0
0 1,1-Dichloroethene	50.0000	47.8253	4.3	20.0
0 m + p-Xylene	100.0000	95.0186	5.0	50.0
0 Ethylbenzene	50.0000	47.2760	5.4	20.0
0 Carbon Disulfide	50.0000	48.7612	2.5	50.0
0 Methylene Chloride	50.0000	48.2400	3.5	50.0
0 1,2-Dichloropropane	50.0000	46.7897	6.4	20.0
0 1,1,2-Trichloroethane	50.0000	46.5889	6.8	50.0
0 Dibromochloromethane	50.0000	47.0363	5.9	50.0
0 trans-1,2-Dichloroethene	50.0000	47.3188	5.4	50.0
0 trans-1,3-Dichloropropene	50.0000	46.5789	6.8	50.0
0 cis-1,3-Dichloropropene	50.0000	46.7233	6.6	50.0
0 Chloroform	50.0000	46.9014	6.2	20.0
0 Toluene	50.0000	47.1596	5.7	20.0
0 2-Butanone	100.0000	94.1248	5.9	50.0
0 1,2-Dichloroethene (total)	100.0000	93.3647	6.6	50.0
0 cis-1,2-dichloroethene	50.0000	46.0459	7.9	50.0
0 4-Methyl-2-pentanone	100.0000	92.3469	7.7	50.0
0 1,2-Dichloroethane	50.0000	46.9022	6.2	50.0
0 Trichloroethene	50.0000	47.3835	5.2	50.0
0 1,1,1-Trichloroethane	50.0000	47.5732	4.9	50.0
0 Carbon Tetrachloride	50.0000	49.0575	1.9	50.0
0 Benzene	50.0000	45.7886	8.4	50.0
38 Dichlorodifluoromethane	50.0000	61.6757	23.4	50.0
39 Trichlorofluoromethane	50.0000	57.9406	15.9	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b/UX77667.D
Report Date: 07/16/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77667.D
Analysis Type: WATER

Injection Date: 15-JUL-2004 16:15
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	519.9510	4.0	50.0
41 Acrylonitrile	500.0000	520.8104	4.2	50.0
42 Vinyl acetate	50.0000	46.2859	7.4	50.0
43 2-Chloroethyl vinyl ether	100.0000	101.1415	1.1	50.0
47 Freon-113	50.0000	52.7312	5.5	50.0
48 1,3-Dichlorobenzene	50.0000	45.9437	8.1	50.0
49 1,4-Dichlorobenzene	50.0000	46.2816	7.4	50.0
50 1,2-Dichlorobenzene	50.0000	46.1389	7.7	50.0
51 Acetonitrile	500.0000	515.3255	3.1	50.0
52 Iodomethane	50.0000	40.2770	19.4	50.0
59 1,4-Dioxane	2500.0000	1734.0120	30.6	50.0
60 Dibromomethane	50.0000	40.0868	19.8	50.0
62 Ethyl Methacrylate	50.0000	40.7703	18.5	50.0
63 1,2-Dibromoethane	50.0000	47.6979	4.6	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	40.6934	18.6	50.0
65 1,2,3-Trichloropropane	50.0000	39.5615	20.9	50.0
66 1,4-Dichloro-2-butene	50.0000	38.7949	22.4	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	46.9562	6.1	50.0
82 Methyl tert-butyl ether	50.0000	44.9805	10.0	50.0
84 Tetrahydrofuran	50.0000	39.3016	21.4	50.0
98 2,2-Dichloropropane	50.0000	41.0277	17.9	50.0
99 1,1-Dichloropropene	50.0000	42.2779	15.4	50.0
100 1,3-Dichloropropane	50.0000	41.4940	17.0	50.0
102 Bromobenzene	50.0000	40.0692	19.9	50.0
103 2-Chlorotoluene	50.0000	39.2439	21.5	50.0
104 n-Propylbenzene	50.0000	40.5423	18.9	50.0
105 4-Chlorotoluene	50.0000	39.9165	20.2	50.0
106 1,3,5-Trimethylbenzene	50.0000	40.0236	20.0	50.0
107 tert-Butylbenzene	50.0000	40.1021	19.8	50.0
108 1,2,4-Trimethylbenzene	50.0000	39.6095	20.8	50.0
109 sec-Butylbenzene	50.0000	39.8841	20.2	50.0
110 4-Isopropyltoluene	50.0000	40.1640	19.7	50.0
111 n-Butylbenzene	50.0000	39.9235	20.2	50.0
112 1,2,4-Trichlorobenzene	50.0000	45.0054	10.0	50.0
113 Naphthalene	50.0000	42.1226	15.8	50.0
114 Hexachlorobutadiene	50.0000	39.6740	20.7	50.0
115 1,2,3-Trichlorobenzene	50.0000	42.2949	15.4	50.0
124 tert-Butyl Alcohol	1000.0000	722.0576	27.8	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b/UX77667.D
Report Date: 07/16/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77667.D
Analysis Type: WATER

Injection Date: 15-JUL-2004 16:15
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	52.1169	4.2	20.0
127 Cyclohexane	50.0000	51.2510	2.5	50.0
128 Isopropylbenzene	50.0000	48.4047	3.2	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	40.1844	19.6	50.0
141 1,3,5-Trichlorobenzene	50.0000	39.6621	20.7	50.0
143 Methyl Acetate	100.0000	93.0533	6.9	50.0
144 Methylcyclohexane	50.0000	49.4970	1.0	50.0
22 Toluene-d8	50.0000	45.1966	9.6	50.0
32 Bromofluorobenzene	50.0000	42.9603	14.1	50.0
47 1,2-Dichloroethane-d4	50.0000	43.5525	12.9	50.0
131 Dibromofluoromethane	50.0000	43.0900	13.8	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77667.D
Report Date: 16-Jul-2004 09:56

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX77667.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\N8260UX7-3.m

Injection Date: 15-JUL-2004 16:15
Init. Cal. Date(s): 20-APR-2004 15-JUL-2004
Init. Cal. Times: 14:54 14:56
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
$	4 Dibromofluoromethane	0.22051	0.19003	0.010	-13.8	50.0
$	5 1,2-Dichloroethane-d4	0.33512	0.29191	0.010	-12.9	50.0
$	6 Toluene-d8	1.35384	1.22377	0.010	-9.6	50.0
$	7 Bromofluorobenzene	0.52272	0.44912	0.010	-14.1	50.0
	8 Dichlorodifluoromethane	50.00000	61.67571	0.010	-23.4	50.0
	9 Chloromethane	0.40291	0.40683	0.100	1.0	50.0
	10 Vinyl Chloride	0.34666	0.38249	0.010	10.3	20.0
	11 Bromomethane	50.00000	56.59959	0.010	-13.2	50.0
	12 Chloroethane	0.23482	0.24156	0.010	2.9	50.0
	13 Trichlorofluoromethane	0.31011	0.35936	0.010	15.9	50.0
	15 Acrolein	0.05308	0.05520	0.010	4.0	50.0
	16 Acetone	100	92.99044	0.010	7.0	50.0
	17 1,1-Dichloroethene	0.23952	0.22910	0.010	-4.3	20.0
	18 Freon-113	0.14142	0.14914	0.010	5.5	50.0
	19 Iodomethane	0.33892	0.27301	0.010	-19.4	50.0
	20 Carbon Disulfide	0.84365	0.82275	0.010	-2.5	50.0
	21 Methylene Chloride	50.00000	48.24002	0.010	3.5	50.0
	22 Acetonitrile	0.03928	0.04048	0.010	3.1	50.0
	23 Acrylonitrile	0.12101	0.12605	0.010	4.2	50.0
	24 Methyl tert-butyl ether	1.14234	1.02766	0.010	-10.0	50.0
	25 trans-1,2-Dichloroethene	0.28049	0.26545	0.010	-5.4	50.0
	26 Hexane	50.00000	52.11686	0.010	-4.2	20.0
	27 Vinyl acetate	0.64642	0.59841	0.010	-7.4	50.0
	28 1,1-Dichloroethane	0.54198	0.50921	0.100	-6.0	50.0
	29 tert-Butyl Alcohol	0.03283	0.02371	0.010	-27.8	50.0
	30 2-Butanone	0.19260	0.18129	0.010	-5.9	50.0
M	31 1,2-Dichloroethene (total)	0.28993	0.27057	0.010	-6.7	50.0
	32 cis-1,2-dichloroethene	0.29938	0.27570	0.010	-7.9	50.0
	33 2,2-Dichloropropane	0.44332	0.36377	0.010	-17.9	50.0
	34 Bromochloromethane	0.12477	0.10028	0.010	-19.6	50.0
	35 Chloroform	0.48803	0.45779	0.010	-6.2	20.0
	36 Tetrahydrofuran	50.00000	39.30163	0.010	21.4	50.0
	37 1,1,1-Trichloroethane	0.43251	0.41152	0.010	-4.9	50.0
	38 1,1-Dichloropropene	0.36604	0.30951	0.010	-15.4	50.0
	39 Carbon Tetrachloride	0.32490	0.31877	0.010	-1.9	50.0
	40 1,2-Dichloroethane	0.43035	0.40369	0.010	-6.2	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77667.D
Report Date: 16-Jul-2004 09:56

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 15-JUL-2004 16:15
Lab File ID: UX77667.D Init. Cal. Date(s): 20-APR-2004 15-JUL-2004
Analysis Type: WATER Init. Cal. Times: 14:54 14:56
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\N8260UX7-3.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	1.21950	1.11678	0.010	-8.4	50.0	
	42 Trichloroethene	0.26222	0.24850	0.010	-5.2	50.0	
	43 1,2-Dichloropropane	0.31816	0.29774	0.010	-6.4	20.0	
	44 1,4-Dioxane	0.00276	0.00191	0.010	-30.6	50.0	<-
	45 Dibromomethane	0.15963	0.12798	0.010	-19.8	50.0	
	46 Bromodichloromethane	0.38550	0.36271	0.010	-5.9	50.0	
	47 2-Chloroethyl vinyl ether	0.19258	0.19477	0.010	1.1	50.0	
	48 cis-1,3-Dichloropropene	0.49455	0.46214	0.010	-6.6	50.0	
	49 4-Methyl-2-pentanone	0.32162	0.29700	0.010	-7.7	50.0	
	50 Toluene	1.79618	1.69415	0.010	-5.7	20.0	
	51 trans-1,3-Dichloropropene	0.67763	0.63126	0.010	-6.8	50.0	
	52 Ethyl Methacrylate	0.63608	0.51867	0.010	-18.5	50.0	
	53 1,1,2-Trichloroethane	0.35880	0.33432	0.010	-6.8	50.0	
	54 1,3-Dichloropropane	0.66712	0.55363	0.010	-17.0	50.0	
	55 Tetrachloroethene	0.24300	0.23833	0.010	-1.9	50.0	
	56 2-Hexanone	0.40089	0.37207	0.010	-7.2	50.0	
	57 Dibromochloromethane	0.36683	0.34509	0.010	-5.9	50.0	
	58 1,2-Dibromoethane	0.34804	0.33202	0.010	-4.6	50.0	
	59 Chlorobenzene	1.05376	1.00056	0.300	-5.0	50.0	
	60 1,1,1,2-Tetrachloroethane	0.36786	0.29939	0.010	-18.6	50.0	
	61 Ethylbenzene	0.55267	0.52256	0.010	-5.4	20.0	
	62 m + p-Xylene	0.67215	0.63866	0.010	-5.0	50.0	
M	63 Xylenes (total)	0.66975	0.63642	0.010	-5.0	50.0	
	64 Xylene-o	0.66495	0.63192	0.010	-5.0	50.0	
	65 Styrene	1.19483	1.14039	0.010	-4.6	50.0	
	66 Bromoform	0.22590	0.21007	0.100	-7.0	50.0	
	67 Isopropylbenzene	1.43669	1.39085	0.010	-3.2	50.0	
	68 1,1,2,2-Tetrachloroethane	1.12904	1.01836	0.300	-9.8	50.0	
	69 1,4-Dichloro-2-butene	0.41455	0.32165	0.010	-22.4	50.0	
	70 1,2,3-Trichloropropane	0.34541	0.27330	0.010	-20.9	50.0	
	71 Bromobenzene	0.88311	0.70771	0.010	-19.9	50.0	
	72 n-Propylbenzene	0.86474	0.70117	0.010	-18.9	50.0	
	73 2-Chlorotoluene	0.82129	0.64461	0.010	-21.5	50.0	
	74 1,3,5-Trimethylbenzene	2.85254	2.28338	0.010	-20.0	50.0	
	75 4-Chlorotoluene	0.85884	0.68564	0.010	-20.2	50.0	
	76 tert-Butylbenzene	2.22066	1.78107	0.010	-19.8	50.0	

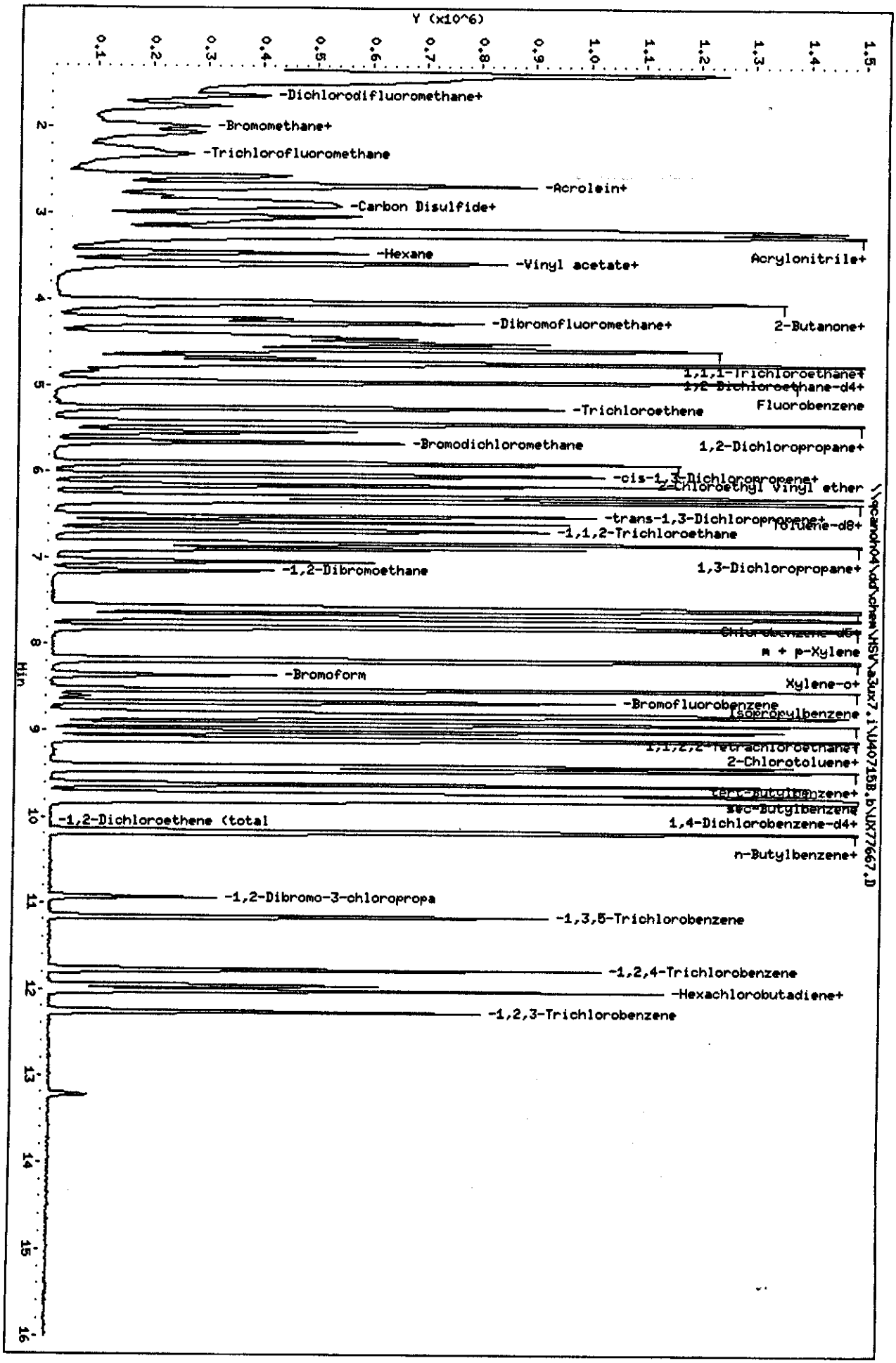
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77667.D
Report Date: 16-Jul-2004 09:56

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 15-JUL-2004 16:15
Lab File ID: UX77667.D Init. Cal. Date(s): 20-APR-2004 15-JUL-2004
Analysis Type: WATER Init. Cal. Times: 14:54 14:56
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\N8260UX7-3.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	2.97342	2.35551	0.010	-20.8	50.0
78 sec-Butylbenzene	3.18684	2.54208	0.010	-20.2	50.0
79 4-Isopropyltoluene	2.52769	2.03044	0.010	-19.7	50.0
80 1,3-Dichlorobenzene	1.51997	1.39666	0.010	-8.1	50.0
81 1,4-Dichlorobenzene	1.58758	1.46952	0.010	-7.4	50.0
82 n-Butylbenzene	2.46632	1.96929	0.010	-20.2	50.0
83 1,2-Dichlorobenzene	1.52040	1.40299	0.010	-7.7	50.0
84 1,2-Dibromo-3-chloropropane	0.21385	0.20083	0.010	-6.1	50.0
85 1,2,4-Trichlorobenzene	0.84310	0.75888	0.010	-10.0	50.0
86 Hexachlorobutadiene	0.32128	0.25493	0.010	-20.7	50.0
87 Naphthalene	2.68504	2.26201	0.010	-15.8	50.0
88 1,2,3-Trichlorobenzene	0.71963	0.60873	0.010	-15.4	50.0
98 Cyclohexane	0.45260	0.46392	0.010	2.5	50.0
143 Methyl Acetate	0.22082	0.20548	0.010	-6.9	50.0
144 Methylcyclohexane	0.32618	0.32290	0.010	-1.0	50.0
141 1,3,5-Trichlorobenzene	0.87717	0.69581	0.010	-20.7	50.0


Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\U40715B.b\UX77667.D
Date : 15-JUL-2004 16:15
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+
-Carbon Disulfide+
-Hexane
-Vinyl acetate+
Acrylonitrile+
-Dibromofluoromethane+
2-Butanone+
1,1,1-Trichloroethane+
1,2-Dichloroethane-d4+
Fluorobenzene
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-cis-1,3-Dichloropropene+
2-Chloroethyl Vinyl ether
-trans-1,3-Dichloropropene+
Toluene-d8+
-1,1,2-Trichloroethane
-1,2-Dibromoethane
1,3-Dichloropropane+
Chlorobenzene-d5+
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
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
-Hexachlorobutadiene+
-1,2,3-Trichlorobenzene
\\qcandh04\dd\chem\HSV\a3ux7.i\U40715B.b\UX77667.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77667.D
Report Date: 16-Jul-2004 09:56

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77667.D
Lab Smp Id: 50NG-CC
Inj Date : 15-JUL-2004 16:15
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NG-CC
Misc Info : U40715B,N8260UX7-3,1-8260.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 09:55 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 8 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	4.951	4.951	(1.000)	1485417	50.0000	
* 2 Chlorobenzene-d5	117	7.566	7.566	(1.000)	1004382	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.790	9.790	(1.000)	440246	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.395	(0.888)	282278	50.0000	43.090
$ 5 1,2-Dichloroethane-d4	65	4.667	4.667	(0.943)	433601	50.0000	43.552
$ 6 Toluene-d8	98	6.276	6.276	(0.830)	1229137	50.0000	45.196
$ 7 Bromofluorobenzene	95	8.666	8.666	(1.145)	451092	50.0000	42.960
8 Dichlorodifluoromethane	85	1.590	1.590	(0.321)	334296	50.0000	61.676
9 Chloromethane	50	1.650	1.650	(0.333)	604305	50.0000	50.486
10 Vinyl Chloride	62	1.768	1.768	(0.357)	568158	50.0000	55.168
11 Bromomethane	94	1.993	1.993	(0.403)	294665	50.0000	56.600
12 Chloroethane	64	2.064	2.064	(0.417)	358823	50.0000	51.437
13 Trichlorofluoromethane	101	2.312	2.312	(0.467)	533800	50.0000	57.941
15 Acrolein	56	2.561	2.561	(0.517)	819985	500.000	519.95
16 Acetone	43	2.679	2.679	(0.541)	414260	100.000	92.990
17 1,1-Dichloroethene	96	2.667	2.667	(0.539)	340310	50.0000	47.825
18 Freon-113	151	2.691	2.691	(0.544)	221542	50.0000	52.731

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77667.D
Report Date: 16-Jul-2004 09:56

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.797	2.797	(0.565)	405538	50.0000	40.277
	20 Carbon Disulfide	76	2.868	2.868	(0.579)	1222123	50.0000	48.761
	21 Methylene Chloride	84	3.034	3.034	(0.613)	437442	50.0000	48.240
	22 Acetonitrile	41	2.904	2.904	(0.587)	601320	500.000	515.32
	23 Acrylonitrile	53	3.200	3.200	(0.646)	1872319	500.000	520.81
	24 Methyl tert-butyl ether	73	3.259	3.259	(0.658)	1526505	50.0000	44.980
	25 trans-1,2-Dichloroethene	96	3.247	3.247	(0.656)	394303	50.0000	47.319
	26 Hexane	86	3.460	3.460	(0.699)	68847	50.0000	52.117
	27 Vinyl acetate	43	3.590	3.590	(0.725)	888884	50.0000	46.286
	28 1,1-Dichloroethane	63	3.566	3.566	(0.720)	756390	50.0000	46.977
	29 tert-Butyl Alcohol	59	3.105	3.105	(0.627)	704237	1000.00	722.06
	30 2-Butanone	43	4.016	4.016	(0.811)	538572	100.000	94.125
M	31 1,2-Dichloroethene (total)	96				803833	100.000	93.365
	32 cis-1,2-dichloroethene	96	4.028	4.028	(0.814)	409530	50.0000	46.046
	33 2,2-Dichloropropane	77	4.040	4.040	(0.816)	540346	50.0000	41.028
	34 Bromochloromethane	128	4.217	4.217	(0.852)	148957	50.0000	40.184
	35 Chloroform	83	4.265	4.265	(0.861)	680008	50.0000	46.901
	36 Tetrahydrofuran	42	4.253	4.253	(0.859)	109518	50.0000	39.302
	37 1,1,1-Trichloroethane	97	4.442	4.442	(0.897)	611278	50.0000	47.573
	38 1,1-Dichloropropene	75	4.560	4.560	(0.921)	459751	50.0000	42.278
	39 Carbon Tetrachloride	117	4.584	4.584	(0.926)	473510	50.0000	49.057
	40 1,2-Dichloroethane	62	4.726	4.726	(0.955)	599649	50.0000	46.902
	41 Benzene	78	4.726	4.726	(0.955)	1658887	50.0000	45.789
	42 Trichloroethene	130	5.259	5.259	(1.062)	369129	50.0000	47.384
	43 1,2-Dichloropropane	63	5.436	5.436	(1.098)	442261	50.0000	46.790
	44 1,4-Dioxane	88	5.531	5.531	(1.117)	142176	2500.00	1734.0(A)
	45 Dibromomethane	93	5.531	5.531	(1.117)	190100	50.0000	40.087
	46 Bromodichloromethane	83	5.661	5.661	(1.143)	538780	50.0000	47.045
	47 2-Chloroethyl vinyl ether	63	5.897	5.897	(1.191)	578642	100.000	101.14
	48 cis-1,3-Dichloropropene	75	6.039	6.039	(1.220)	686474	50.0000	46.723
	49 4-Methyl-2-pentanone	43	6.158	6.158	(1.244)	882350	100.000	92.347
	50 Toluene	91	6.335	6.335	(0.837)	1701569	50.0000	47.160
	51 trans-1,3-Dichloropropene	75	6.513	6.513	(0.861)	634028	50.0000	46.579
	52 Ethyl Methacrylate	69	6.584	6.584	(0.870)	520938	50.0000	40.770
	53 1,1,2-Trichloroethane	97	6.678	6.678	(0.883)	335790	50.0000	46.589
	54 1,3-Dichloropropane	76	6.820	6.820	(0.901)	556053	50.0000	41.494
	55 Tetrachloroethene	164	6.832	6.832	(0.903)	239370	50.0000	49.038
	56 2-Hexanone	43	6.891	6.891	(0.911)	747393	100.000	92.810
	57 Dibromochloromethane	129	7.033	7.033	(0.930)	346602	50.0000	47.036
	58 1,2-Dibromoethane	107	7.140	7.140	(0.944)	333473	50.0000	47.698
	59 Chlorobenzene	112	7.601	7.601	(1.005)	1004940	50.0000	47.475
	60 1,1,1,2-Tetrachloroethane	131	7.672	7.672	(1.014)	300701	50.0000	40.693
	61 Ethylbenzene	106	7.696	7.696	(1.017)	524851	50.0000	47.276
	62 m + p-Xylene	106	7.803	7.803	(1.031)	1282925	100.000	95.018
M	63 Xylenes (total)	106				1917614	150.000	142.53
	64 Xylene-o	106	8.181	8.181	(1.081)	634689	50.0000	47.516
	65 Styrene	104	8.181	8.181	(1.081)	1145392	50.0000	47.722

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77667.D
Report Date: 16-Jul-2004 09:56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.359	8.359	(1.105)	210995	50.0000	46.497
67 Isopropylbenzene	105	8.524	8.524	(1.127)	1396946	50.0000	48.405
68 1,1,2,2-Tetrachloroethane	83	8.797	8.797	(0.898)	448327	50.0000	45.098
69 1,4-Dichloro-2-butene	53	8.844	8.844	(0.903)	141603	50.0000	38.795
70 1,2,3-Trichloropropane	110	8.832	8.832	(0.902)	120318	50.0000	39.562
71 Bromobenzene	156	8.820	8.820	(0.901)	311566	50.0000	40.069
72 n-Propylbenzene	120	8.915	8.915	(0.911)	308688	50.0000	40.542
73 2-Chlorotoluene	126	9.010	9.010	(0.920)	283789	50.0000	39.244
74 1,3,5-Trimethylbenzene	105	9.092	9.092	(0.929)	1005248	50.0000	40.024
75 4-Chlorotoluene	126	9.104	9.104	(0.930)	301850	50.0000	39.916
76 tert-Butylbenzene	119	9.412	9.412	(0.961)	784108	50.0000	40.102
77 1,2,4-Trimethylbenzene	105	9.447	9.447	(0.965)	1037006	50.0000	39.609
78 sec-Butylbenzene	105	9.625	9.625	(0.983)	1119140	50.0000	39.884
79 4-Isopropyltoluene	119	9.767	9.767	(0.998)	893894	50.0000	40.164
80 1,3-Dichlorobenzene	146	9.731	9.731	(0.994)	614874	50.0000	45.944
81 1,4-Dichlorobenzene	146	9.814	9.814	(1.002)	646949	50.0000	46.282
82 n-Butylbenzene	91	10.169	10.169	(1.039)	866970	50.0000	39.924
83 1,2-Dichlorobenzene	146	10.181	10.181	(1.040)	617662	50.0000	46.139
84 1,2-Dibromo-3-chloropropane	157	10.938	10.938	(1.117)	88414	50.0000	46.956
85 1,2,4-Trichlorobenzene	180	11.778	11.778	(1.203)	334093	50.0000	45.005
86 Hexachlorobutadiene	225	11.956	11.956	(1.221)	112232	50.0000	39.674
87 Naphthalene	128	12.015	12.015	(1.227)	995843	50.0000	42.122
88 1,2,3-Trichlorobenzene	180	12.264	12.264	(1.253)	267992	50.0000	42.295
98 Cyclohexane	56	4.501	4.501	(0.909)	689114	50.0000	51.251
143 Methyl Acetate	43	2.927	2.927	(0.591)	610446	100.000	93.053
144 Methylcyclohexane	83	5.436	5.436	(1.098)	479635	50.0000	49.497
141 1,3,5-Trichlorobenzene	180	11.163	11.163	(1.140)	306328	50.0000	39.662

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b/UX77666.D
Report Date: 07/16/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77666.D
Analysis Type: WATER

Injection Date: 15-JUL-2004 15:52
Lab Sample ID: 50NGA9-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
53 3-Chloropropene	50.0000	39.4665	21.1	50.0
54 2-Chloro-1,3-butadiene	50.0000	40.0286	19.9	50.0
55 Propionitrile	100.0000	78.2784	21.7	50.0
56 Methacrylonitrile	50.0000	38.9065	22.2	50.0
57 Isobutanol	1000.0000	838.1781	16.2	50.0
58 Methyl Methacrylate	50.0000	39.8117	20.4	50.0
73 n-Butanol	1000.0000	837.1758	16.3	50.0
74 Ethyl Acetate	100.0000	81.1898	18.8	50.0
75 Cyclohexanone	500.0000	424.2539	15.1	50.0
76 Ethyl Ether	50.0000	41.6219	16.8	50.0
85 Dichlorofluoromethane	50.0000	41.8884	16.2	50.0
86 2-Nitropropane	100.0000	76.5921	23.4	50.0
126 Isopropyl Ether	250.0000	206.8989	17.2	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
146 2-Methylnaphthalene	100.0000	113.9566	14.0	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77666.D
Report Date: 16-Jul-2004 09:54

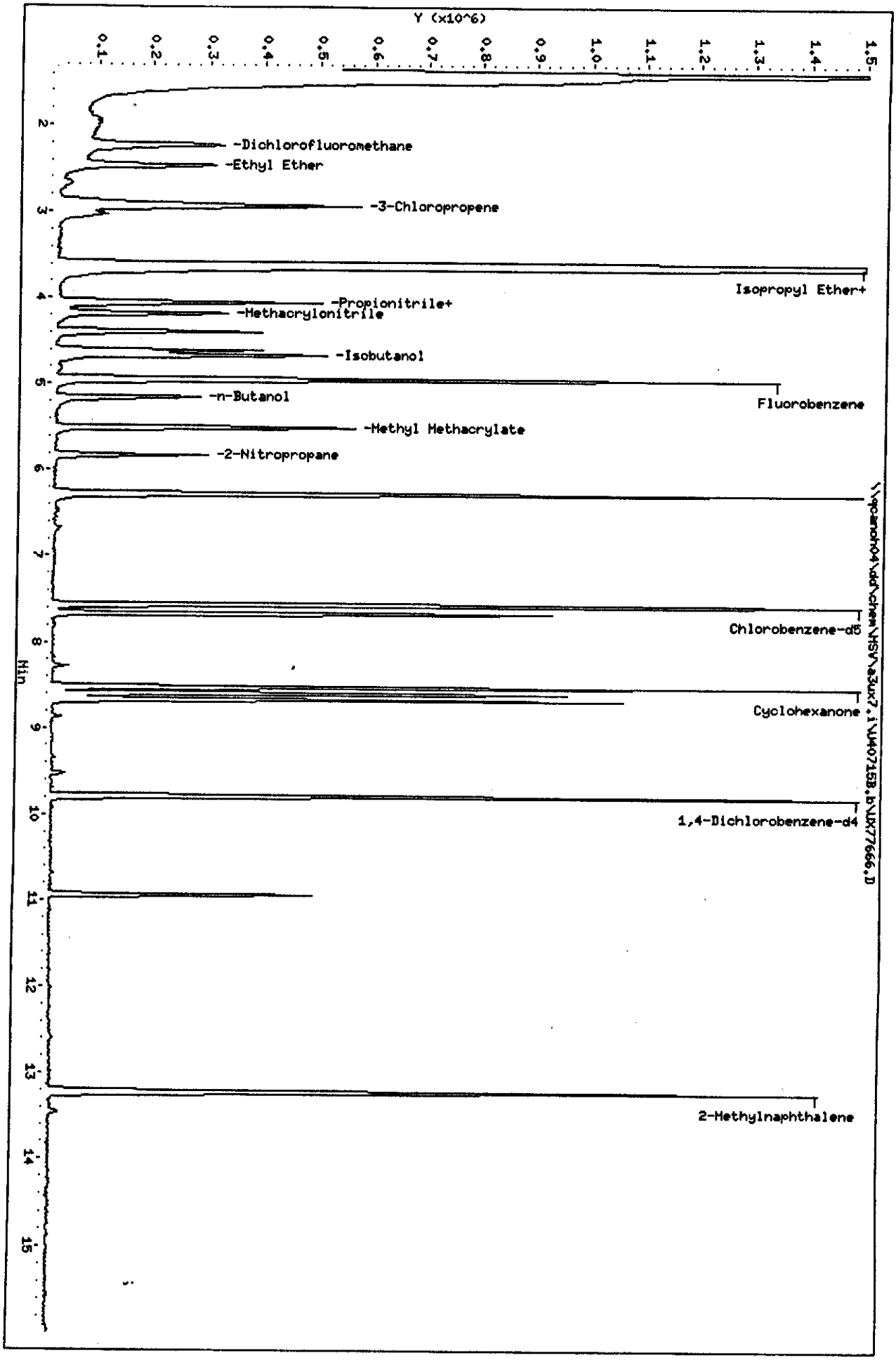
STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX77666.D
Analysis Type: WATER
Lab Sample ID: 50NGA9-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\N8260UX7-3.m

Injection Date: 15-JUL-2004 15:52
Init. Cal. Date(s): 20-APR-2004 15-JUL-2004
Init. Cal. Times: 14:54 14:56
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
14 Dichlorofluoromethane	50.00000	41.88838	0.010	16.2	50.0
89 Ethyl Ether	0.24011	0.19987	0.010	-16.8	50.0
91 3-Chloropropene	0.14759	0.11650	0.010	-21.1	50.0
92 Isopropyl Ether	0.23826	0.19718	0.010	-17.2	50.0
93 2-Chloro-1,3-butadiene	0.46000	0.36827	0.010	-19.9	50.0
94 Propionitrile	0.04491	0.03516	0.010	-21.7	50.0
95 Ethyl Acetate	0.28472	0.23116	0.010	-18.8	50.0
96 Methacrylonitrile	0.18831	0.14653	0.010	-22.2	50.0
97 Isobutanol	0.01336	0.01120	0.010	-16.2	50.0
99 n-Butanol	0.01262	0.01057	0.010	-16.3	50.0
100 Methyl Methacrylate	0.27282	0.21723	0.010	-20.4	50.0
101 2-Nitropropane	0.08400	0.06434	0.010	-23.4	50.0
103 Cyclohexanone	0.12862	0.10914	0.010	-15.1	50.0
146 2-Methylnaphthalene	100	114	0.010	-14.0	50.0


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U407158.b\UX77666.D
Date : 15-JUL-2004 15:52
Client ID:
Sample Info: 50N6A9-CC
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
-n-Butanol
Fluorobenzene
-Methyl Methacrylate
-2-Nitropropane
\\qcanoh04\dd\chem\HSV\a3ux7.i\U407158.b\UX77666.D
Chlorobenzene-d5
Cyclohexanone
1,4-Dichlorobenzene-d4
2-Methylnaphthalene

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77666.D
Report Date: 16-Jul-2004 09:54

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77666.D
Lab Smp Id: 50NGA9-CC
Inj Date : 15-JUL-2004 15:52
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NGA9-CC
Misc Info : U40715B,N8260UX7-3,3-IX.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 09:53 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 7 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-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	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.954	4.954	(1.000)	1526141	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.569	(1.000)	1022645	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.793	9.793	(1.000)	444254	50.0000	
14 Dichlorofluoromethane	67	2.232	2.232	(0.451)	554770	50.0000	41.888
89 Ethyl Ether	59	2.469	2.469	(0.498)	305036	50.0000	41.622
91 3-Chloropropene	76	2.942	2.942	(0.594)	177788	50.0000	39.466
92 Isopropyl Ether	87	3.617	3.617	(0.730)	1504630	250.000	206.90(A)
93 2-Chloro-1,3-butadiene	53	3.640	3.640	(0.735)	562025	50.0000	40.029
94 Propionitrile	54	4.054	4.054	(0.818)	107312	100.000	78.278
95 Ethyl Acetate	43	4.054	4.054	(0.818)	705574	100.000	81.190
96 Methacrylonitrile	41	4.185	4.185	(0.845)	223620	50.0000	38.906
97 Isobutanol	41	4.611	4.611	(0.609)	229101	1000.00	838.18(A)
99 n-Butanol	56	5.155	5.155	(0.681)	216131	1000.00	837.18(A)
100 Methyl Methacrylate	41	5.510	5.510	(1.112)	331523	50.0000	39.812
101 2-Nitropropane	41	5.829	5.829	(1.177)	196380	100.000	76.592
103 Cyclohexanone	55	8.598	8.598	(0.878)	484846	500.000	424.25(A)
146 2-Methylnaphthalene	142	13.225	13.225	(1.350)	899866	100.000	113.96

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77666.D
Report Date: 16-Jul-2004 09:54

QC Flag Legend

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

Report Date: 20-Jul-2004 08:57

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\N8260UX7-3.m
Start Cal Date: 20-APR-2004 14:54
End Cal Date : 15-JUL-2004 14:56
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
15-JUL-2004 09:20	1-8260	UX77653.D
Cal Level: 2 , Cal Amount: 10.000		
15-JUL-2004 12:58	3-IX	UX77661.D
15-JUL-2004 09:43	1-8260	UX77654.D
Cal Level: 3 , Cal Amount: 25.000		
15-JUL-2004 13:21	3-IX	UX77662.D
15-JUL-2004 10:07	1-8260	UX77655.D
Cal Level: 4 , Cal Amount: 50.000		
15-JUL-2004 14:09	3-IX	UX77663.D
15-JUL-2004 10:30	1-8260	UX77656.D
Cal Level: 5 , Cal Amount: 100.00		
15-JUL-2004 14:33	3-IX	UX77664.D
15-JUL-2004 10:53	1-8260	UX77657.D
Cal Level: 6 , Cal Amount: 200.00		
15-JUL-2004 14:56	3-IX	UX77665.D
15-JUL-2004 11:16	1-8260	UX77658.D

Continuing Calibration

19-JUL-2004 08:56	1-8260	UX77777.D
~~19-JUL-2004 08:02~~	~~1-8260~~	~~UX77776.D~~ CMR
19-JUL-2004 07:39	3-IX	UX77775.D 7·20·04

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719A.b/UX77777.D
Report Date: 07/19/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77777.D
Analysis Type: WATER

Injection Date: 19-JUL-2004 08:56
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719A.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	54.0043	8.0	50.0
0 Bromodichloromethane	50.0000	44.4234	11.2	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	48.8471	2.3	50.0
0 Bromoform	50.0000	27.5136	45.0	50.0
0 Styrene	50.0000	52.5955	5.2	50.0
0 Xylene-o	50.0000	53.0414	6.1	50.0
0 Xylenes (total)	150.0000	160.4263	7.0	50.0
0 2-Hexanone	100.0000	74.1012	25.9	50.0
0 Chloromethane	50.0000	50.9707	1.9	50.0
0 Vinyl Chloride	50.0000	55.1532	10.3	20.0
0 Bromomethane	50.0000	58.3329	16.7	50.0
0 Chloroethane	50.0000	53.9023	7.8	50.0
0 1,1-Dichloroethane	50.0000	53.5810	7.2	50.0
0 Tetrachloroethene	50.0000	56.0663	12.1	50.0
0 Acetone	100.0000	58.1384	41.9	50.0
0 1,1-Dichloroethene	50.0000	55.4402	10.9	20.0
0 m + p-Xylene	100.0000	107.3849	7.4	50.0
0 Ethylbenzene	50.0000	53.9525	7.9	20.0
0 Carbon Disulfide	50.0000	61.7599	23.5	50.0
0 Methylene Chloride	50.0000	57.7937	15.6	50.0
0 1,2-Dichloropropane	50.0000	52.6043	5.2	20.0
0 1,1,2-Trichloroethane	50.0000	52.2189	4.4	50.0
0 Dibromochloromethane	50.0000	35.7368	28.5	50.0
0 trans-1,2-Dichloroethene	50.0000	54.9108	9.8	50.0
0 trans-1,3-Dichloropropene	50.0000	47.9973	4.0	50.0
0 cis-1,3-Dichloropropene	50.0000	49.6250	0.8	50.0
0 Chloroform	50.0000	54.4629	8.9	20.0
0 Toluene	50.0000	53.5064	7.0	20.0
0 2-Butanone	100.0000	72.0308	28.0	50.0
0 1,2-Dichloroethene (total)	100.0000	108.7439	8.7	50.0
0 cis-1,2-dichloroethene	50.0000	53.8331	7.7	50.0
0 4-Methyl-2-pentanone	100.0000	91.2018	8.8	50.0
0 1,2-Dichloroethane	50.0000	55.1566	10.3	50.0
0 Trichloroethene	50.0000	54.2812	8.6	50.0
0 1,1,1-Trichloroethane	50.0000	52.0027	4.0	50.0
0 Carbon Tetrachloride	50.0000	42.6852	14.6	50.0
0 Benzene	50.0000	52.6535	5.3	50.0
38 Dichlorodifluoromethane	50.0000	61.3166	22.6	50.0
39 Trichlorofluoromethane	50.0000	63.2356	26.5	50.0

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719A.b/UX77777.D
Report Date: 07/19/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77777.D
Analysis Type: WATER

Injection Date: 19-JUL-2004 08:56
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	390.7713	21.8	50.0
41 Acrylonitrile	500.0000	498.8834	0.2	50.0
42 Vinyl acetate	50.0000	26.3686	47.3	50.0
43 2-Chloroethyl vinyl ether	100.0000	78.1780	21.8	50.0
47 Freon-113	50.0000	65.4494	30.9	50.0
48 1,3-Dichlorobenzene	50.0000	52.9989	6.0	50.0
49 1,4-Dichlorobenzene	50.0000	52.6394	5.3	50.0
50 1,2-Dichlorobenzene	50.0000	52.8119	5.6	50.0
51 Acetonitrile	500.0000	539.2573	7.9	50.0
52 Iodomethane	50.0000	50.7063	1.4	50.0
59 1,4-Dioxane	2500.0000	2394.8842	4.2	50.0
60 Dibromomethane	50.0000	47.9776	4.0	50.0
62 Ethyl Methacrylate	50.0000	36.0598	27.9	50.0
63 1,2-Dibromoethane	50.0000	52.2912	4.6	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	35.3167	29.4	50.0
65 1,2,3-Trichloropropane	50.0000	46.0136	8.0	50.0
66 1,4-Dichloro-2-butene	50.0000	31.1612	37.7	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	35.6624	28.7	50.0
82 Methyl tert-butyl ether	50.0000	41.1149	17.8	50.0
84 Tetrahydrofuran	50.0000	47.2363	5.5	50.0
98 2,2-Dichloropropane	50.0000	45.2063	9.6	50.0
99 1,1-Dichloropropene	50.0000	49.6776	0.6	50.0
100 1,3-Dichloropropane	50.0000	46.7485	6.5	50.0
102 Bromobenzene	50.0000	46.4574	7.1	50.0
103 2-Chlorotoluene	50.0000	45.7520	8.5	50.0
104 n-Propylbenzene	50.0000	46.2808	7.4	50.0
105 4-Chlorotoluene	50.0000	45.6237	8.8	50.0
106 1,3,5-Trimethylbenzene	50.0000	45.5559	8.9	50.0
107 tert-Butylbenzene	50.0000	45.5553	8.9	50.0
108 1,2,4-Trimethylbenzene	50.0000	45.8449	8.3	50.0
109 sec-Butylbenzene	50.0000	44.9931	10.0	50.0
110 4-Isopropyltoluene	50.0000	44.9668	10.1	50.0
111 n-Butylbenzene	50.0000	44.4748	11.1	50.0
112 1,2,4-Trichlorobenzene	50.0000	53.5410	7.1	50.0
113 Naphthalene	50.0000	43.9003	12.2	50.0
114 Hexachlorobutadiene	50.0000	45.0809	9.8	50.0
115 1,2,3-Trichlorobenzene	50.0000	46.3800	7.2	50.0
124 tert-Butyl Alcohol	1000.0000	601.7735	39.8	50.0

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719A.b/UX77777.D
Report Date: 07/19/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77777.D
Analysis Type: WATER

Injection Date: 19-JUL-2004 08:56
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	61.0565	22.1	20.0	<-
127 Cyclohexane	50.0000	58.8575	17.7	50.0	
128 Isopropylbenzene	50.0000	53.4550	6.9	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	49.6569	0.7	50.0	
141 1,3,5-Trichlorobenzene	50.0000	45.1321	9.7	50.0	
143 Methyl Acetate	100.0000	95.1413	4.9	50.0	
144 Methylcyclohexane	50.0000	58.6487	17.3	50.0	
22 Toluene-d8	50.0000	45.4136	9.2	50.0	
32 Bromofluorobenzene	50.0000	43.1960	13.6	50.0	
47 1,2-Dichloroethane-d4	50.0000	46.5310	6.9	50.0	
131 Dibromofluoromethane	50.0000	45.6631	8.7	50.0	

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719A.b\UX77777.D
Report Date: 19-Jul-2004 09:12

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX77777.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719A.b\N8260UX7-3.m

Injection Date: 19-JUL-2004 08:56
Init. Cal. Date(s): 20-APR-2004 15-JUL-2004
Init. Cal. Times: 14:54 14:56
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	4 Dibromofluoromethane	0.22051	0.20138	0.010	-8.7	50.0	
$	5 1,2-Dichloroethane-d4	0.33512	0.31187	0.010	-6.9	50.0	
$	6 Toluene-d8	1.35384	1.22965	0.010	-9.2	50.0	
$	7 Bromofluorobenzene	0.52272	0.45159	0.010	-13.6	50.0	
	8 Dichlorodifluoromethane	50.00000	61.31659	0.010	-22.6	50.0	
	9 Chloromethane	0.40291	0.41073	0.100	1.9	50.0	
	10 Vinyl Chloride	0.34666	0.38239	0.010	10.3	20.0	
	11 Bromomethane	50.00000	58.33293	0.010	-16.7	50.0	
	12 Chloroethane	0.23482	0.25314	0.010	7.8	50.0	
	13 Trichlorofluoromethane	0.31011	0.39220	0.010	26.5	50.0	
	15 Acrolein	0.05308	0.04149	0.010	-21.8	50.0	
	16 Acetone	100	58.13836	0.010	41.9	50.0	
	17 1,1-Dichloroethene	0.23952	0.26558	0.010	10.9	20.0	
	18 Freon-113	0.14142	0.18512	0.010	30.9	50.0	
	19 Iodomethane	0.33892	0.34371	0.010	1.4	50.0	
	20 Carbon Disulfide	0.84365	1.04208	0.010	23.5	50.0	
	21 Methylene Chloride	50.00000	57.79371	0.010	-15.6	50.0	
	22 Acetonitrile	0.03928	0.04236	0.010	7.9	50.0	
	23 Acrylonitrile	0.12101	0.12074	0.010	-0.2	50.0	
	24 Methyl tert-butyl ether	1.14234	0.93934	0.010	-17.8	50.0	
	25 trans-1,2-Dichloroethene	0.28049	0.30804	0.010	9.8	50.0	
	26 Hexane	50.00000	61.05648	0.010	-22.1	20.0	<-
	27 Vinyl acetate	0.64642	0.34091	0.010	-47.3	50.0	
	28 1,1-Dichloroethane	0.54198	0.58079	0.100	7.2	50.0	
	29 tert-Butyl Alcohol	0.03283	0.01976	0.010	-39.8	50.0	
	30 2-Butanone	0.19260	0.13873	0.010	-28.0	50.0	
M	31 1,2-Dichloroethene (total)	0.28993	0.31518	0.010	8.7	50.0	
	32 cis-1,2-dichloroethene	0.29938	0.32233	0.010	7.7	50.0	
	33 2,2-Dichloropropane	0.44332	0.40082	0.010	-9.6	50.0	
	34 Bromochloromethane	0.12477	0.12392	0.010	-0.7	50.0	
	35 Chloroform	0.48803	0.53160	0.010	8.9	20.0	
	36 Tetrahydrofuran	50.00000	47.23631	0.010	5.5	50.0	
	37 1,1,1-Trichloroethane	0.43251	0.44984	0.010	4.0	50.0	
	38 1,1-Dichloropropene	0.36604	0.36368	0.010	-0.6	50.0	
	39 Carbon Tetrachloride	0.32490	0.27737	0.010	-14.6	50.0	
	40 1,2-Dichloroethane	0.43035	0.47474	0.010	10.3	50.0	

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719A.b\UX77777.D
Report Date: 19-Jul-2004 09:12

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX77777.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719A.b\N8260UX7-3.m

Injection Date: 19-JUL-2004 08:56
Init. Cal. Date(s): 20-APR-2004 15-JUL-2004
Init. Cal. Times: 14:54 14:56
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	1.21950	1.28422	0.010	5.3	50.0	
	42 Trichloroethene	0.26222	0.28468	0.010	8.6	50.0	
	43 1,2-Dichloropropane	0.31816	0.33473	0.010	5.2	20.0	
	44 1,4-Dioxane	0.00276	0.00264	0.010	-4.2	50.0	<-
	45 Dibromomethane	0.15963	0.15317	0.010	-4.0	50.0	
	46 Bromodichloromethane	0.38550	0.34250	0.010	-11.2	50.0	
	47 2-Chloroethyl vinyl ether	0.19258	0.15055	0.010	-21.8	50.0	
	48 cis-1,3-Dichloropropene	0.49455	0.49084	0.010	-0.8	50.0	
	49 4-Methyl-2-pentanone	0.32162	0.29332	0.010	-8.8	50.0	
	50 Toluene	1.79618	1.92215	0.010	7.0	20.0	
	51 trans-1,3-Dichloropropene	0.67763	0.65048	0.010	-4.0	50.0	
	52 Ethyl Methacrylate	0.63608	0.45874	0.010	-27.9	50.0	
	53 1,1,2-Trichloroethane	0.35880	0.37473	0.010	4.4	50.0	
	54 1,3-Dichloropropane	0.66712	0.62373	0.010	-6.5	50.0	
	55 Tetrachloroethene	0.24300	0.27248	0.010	12.1	50.0	
	56 2-Hexanone	0.40089	0.29706	0.010	-25.9	50.0	
	57 Dibromochloromethane	0.36683	0.26219	0.010	-28.5	50.0	
	58 1,2-Dibromoethane	0.34804	0.36399	0.010	4.6	50.0	
	59 Chlorobenzene	1.05376	1.13816	0.300	8.0	50.0	
	60 1,1,1,2-Tetrachloroethane	0.36786	0.25983	0.010	-29.4	50.0	
	61 Ethylbenzene	0.55267	0.59636	0.010	7.9	20.0	
	62 m + p-Xylene	0.67215	0.72178	0.010	7.4	50.0	
M	63 Xylenes (total)	0.66975	0.71632	0.010	7.0	50.0	
	64 Xylene-o	0.66495	0.70540	0.010	6.1	50.0	
	65 Styrene	1.19483	1.25685	0.010	5.2	50.0	
	66 Bromoform	0.22590	0.12431	0.100	-45.0	50.0	
	67 Isopropylbenzene	1.43669	1.53597	0.010	6.9	50.0	
	68 1,1,2,2-Tetrachloroethane	1.12904	1.10300	0.300	-2.3	50.0	
	69 1,4-Dichloro-2-butene	0.41455	0.25835	0.010	-37.7	50.0	
	70 1,2,3-Trichloropropane	0.34541	0.31787	0.010	-8.0	50.0	
	71 Bromobenzene	0.88311	0.82054	0.010	-7.1	50.0	
	72 n-Propylbenzene	0.86474	0.80042	0.010	-7.4	50.0	
	73 2-Chlorotoluene	0.82129	0.75152	0.010	-8.5	50.0	
	74 1,3,5-Trimethylbenzene	2.85254	2.59900	0.010	-8.9	50.0	
	75 4-Chlorotoluene	0.85884	0.78367	0.010	-8.8	50.0	
	76 tert-Butylbenzene	2.22066	2.02326	0.010	-8.9	50.0	

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719A.b\UX77777.D
Report Date: 19-Jul-2004 09:12

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

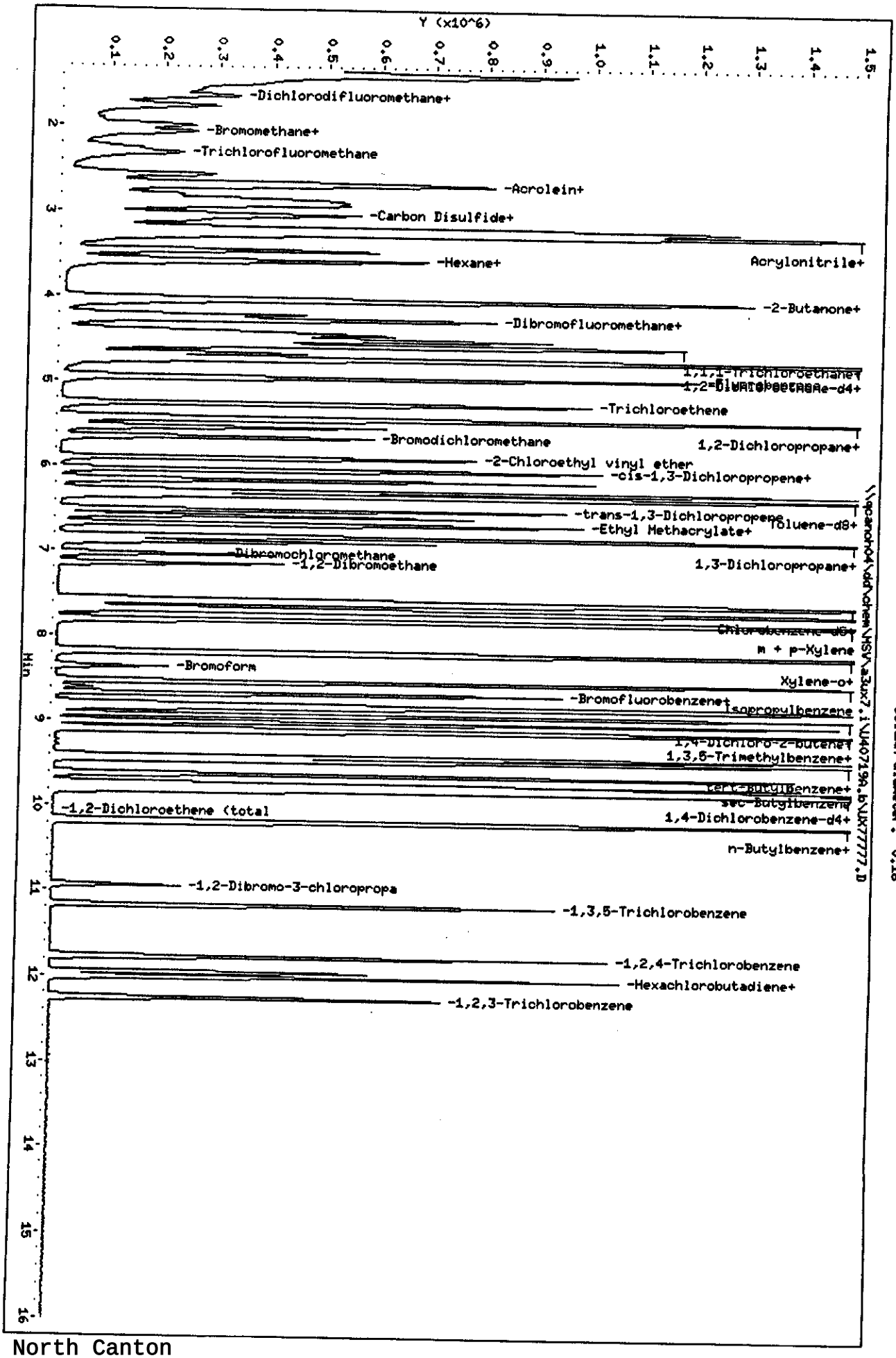
Instrument ID: a3ux7.i
Lab File ID: UX77777.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719A.b\N8260UX7-3.m

Injection Date: 19-JUL-2004 08:56
Init. Cal. Date(s): 20-APR-2004 15-JUL-2004
Init. Cal. Times: 14:54 14:56
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	2.97342	2.72632	0.010	-8.3	50.0
78 sec-Butylbenzene	3.18684	2.86771	0.010	-10.0	50.0
79 4-Isopropyltoluene	2.52769	2.27324	0.010	-10.1	50.0
80 1,3-Dichlorobenzene	1.51997	1.61113	0.010	6.0	50.0
81 1,4-Dichlorobenzene	1.58758	1.67139	0.010	5.3	50.0
82 n-Butylbenzene	2.46632	2.19379	0.010	-11.1	50.0
83 1,2-Dichlorobenzene	1.52040	1.60591	0.010	5.6	50.0
84 1,2-Dibromo-3-chloropropane	0.21385	0.15253	0.010	-28.7	50.0
85 1,2,4-Trichlorobenzene	0.84310	0.90280	0.010	7.1	50.0
86 Hexachlorobutadiene	0.32128	0.28967	0.010	-9.8	50.0
87 Naphthalene	2.68504	2.35748	0.010	-12.2	50.0
88 1,2,3-Trichlorobenzene	0.71963	0.66753	0.010	-7.2	50.0
98 Cyclohexane	0.45260	0.53277	0.010	17.7	50.0
143 Methyl Acetate	0.22082	0.21009	0.010	-4.9	50.0
144 Methylcyclohexane	0.32618	0.38260	0.010	17.3	50.0
141 1,3,5-Trichlorobenzene	0.87717	0.79177	0.010	-9.7	50.0

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U407190.b\UX77777.D
Date : 19-JUL-2004 08:56
Client ID:
Sample Info: 50NG-CC
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\U40719A.b\UX77777.D
Report Date: 20-Jul-2004 09:00

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77777.D
Lab Smp Id: 50NG-CC
Inj Date : 19-JUL-2004 08:56
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NG-CC
Misc Info : U40719A,N8260UX7-3,1-8260.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 09:00 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 3 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	4.940	4.940	(1.000)	1333038	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	908442	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	396010	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.890)	268448	50.0000	45.663
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.945)	415732	50.0000	46.531
$ 6 Toluene-d8	98	6.278	6.278	(0.830)	1117067	50.0000	45.414
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	410241	50.0000	43.196
8 Dichlorodifluoromethane	85	1.592	1.592	(0.322)	298274	50.0000	61.317
9 Chloromethane	50	1.651	1.651	(0.334)	547515	50.0000	50.971
10 Vinyl Chloride	62	1.757	1.757	(0.356)	509741	50.0000	55.153
11 Bromomethane	94	1.994	1.994	(0.404)	271801	50.0000	58.333
12 Chloroethane	64	2.065	2.065	(0.418)	337447	50.0000	53.902
13 Trichlorofluoromethane	101	2.314	2.314	(0.468)	522818	50.0000	63.235
15 Acrolein	56	2.562	2.562	(0.519)	553045	500.000	390.77
16 Acetone	43	2.680	2.680	(0.543)	237922	100.000	58.138
17 1,1-Dichloroethene	96	2.669	2.669	(0.540)	354027	50.0000	55.440
18 Freon-113	151	2.692	2.692	(0.545)	246768	50.0000	65.449

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77777.D
Report Date: 20-Jul-2004 09:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.799	2.799	(0.567)	458174	50.0000	50.706
	20 Carbon Disulfide	76	2.870	2.870	(0.581)	1389127	50.0000	61.760
	21 Methylene Chloride	84	3.035	3.035	(0.614)	461177	50.0000	57.794
	22 Acetonitrile	41	2.905	2.905	(0.588)	564695	500.000	539.26
	23 Acrylonitrile	53	3.201	3.201	(0.648)	1609509	500.000	498.88
	24 Methyl tert-butyl ether	73	3.248	3.248	(0.658)	1252182	50.0000	41.115
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.658)	410628	50.0000	54.911
	26 Hexane	86	3.461	3.461	(0.701)	72169	50.0000	61.056
	27 Vinyl acetate	43	3.591	3.591	(0.727)	454441	50.0000	26.369
	28 1,1-Dichloroethane	63	3.568	3.568	(0.722)	774220	50.0000	53.581
	29 tert-Butyl Alcohol	59	3.106	3.106	(0.629)	526713	1000.00	601.77
	30 2-Butanone	43	4.006	4.006	(0.811)	369872	100.000	72.031
M	31 1,2-Dichloroethene (total)	96				840301	100.000	108.74
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.816)	429673	50.0000	53.833
	33 2,2-Dichloropropane	77	4.041	4.041	(0.818)	534304	50.0000	45.206
	34 Bromochloromethane	128	4.219	4.219	(0.854)	165187	50.0000	49.657
	35 Chloroform	83	4.266	4.266	(0.863)	708636	50.0000	54.463
	36 Tetrahydrofuran	42	4.254	4.254	(0.861)	117171	50.0000	47.236
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.899)	599648	50.0000	52.003
	38 1,1-Dichloropropene	75	4.562	4.562	(0.923)	484801	50.0000	49.678
	39 Carbon Tetrachloride	117	4.585	4.585	(0.928)	369738	50.0000	42.685
	40 1,2-Dichloroethane	62	4.727	4.727	(0.957)	632842	50.0000	55.156
	41 Benzene	78	4.727	4.727	(0.957)	1711908	50.0000	52.653
	42 Trichloroethene	130	5.260	5.260	(1.065)	379485	50.0000	54.281
	43 1,2-Dichloropropane	63	5.426	5.426	(1.098)	446214	50.0000	52.604
	44 1,4-Dioxane	88	5.532	5.532	(1.120)	176219	2500.00	2394.9(A)
	45 Dibromomethane	93	5.532	5.532	(1.120)	204180	50.0000	47.978
	46 Bromodichloromethane	83	5.650	5.650	(1.144)	456569	50.0000	44.423
	47 2-Chloroethyl vinyl ether	63	5.887	5.887	(1.192)	401383	100.000	78.178
	48 cis-1,3-Dichloropropene	75	6.029	6.029	(1.220)	654311	50.0000	49.625
	49 4-Methyl-2-pentanone	43	6.147	6.147	(1.244)	782016	100.000	91.202
	50 Toluene	91	6.337	6.337	(0.837)	1746161	50.0000	53.506
	51 trans-1,3-Dichloropropene	75	6.502	6.502	(0.859)	590927	50.0000	47.997
	52 Ethyl Methacrylate	69	6.585	6.585	(0.870)	416738	50.0000	36.060
	53 1,1,2-Trichloroethane	97	6.668	6.668	(0.881)	340417	50.0000	52.219
	54 1,3-Dichloropropane	76	6.822	6.822	(0.901)	566626	50.0000	46.748
	55 Tetrachloroethene	164	6.834	6.834	(0.903)	247536	50.0000	56.066
	56 2-Hexanone	43	6.881	6.881	(0.909)	539729	100.000	74.101
	57 Dibromochloromethane	129	7.035	7.035	(0.930)	238183	50.0000	35.737
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	330665	50.0000	52.291
	59 Chlorobenzene	112	7.591	7.591	(1.003)	1033950	50.0000	54.004
	60 1,1,1,2-Tetrachloroethane	131	7.662	7.662	(1.013)	236042	50.0000	35.317
	61 Ethylbenzene	106	7.697	7.697	(1.017)	541759	50.0000	53.952
	62 m + p-Xylene	106	7.804	7.804	(1.031)	1311398	100.000	107.38
M	63 Xylenes (total)	106				1952213	150.000	160.43
	64 Xylene-o	106	8.171	8.171	(1.080)	640815	50.0000	53.041
	65 Styrene	104	8.183	8.183	(1.081)	1141780	50.0000	52.596

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77777.D
Report Date: 20-Jul-2004 09:00

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)	112926	50.0000	27.514
67 Isopropylbenzene	105	8.526	8.526	(1.127)	1395338	50.0000	53.455
68 1,1,2,2-Tetrachloroethane	83	8.786	8.786	(0.897)	436801	50.0000	48.847
69 1,4-Dichloro-2-butene	53	8.845	8.845	(0.903)	102311	50.0000	31.161
70 1,2,3-Trichloropropane	110	8.833	8.833	(0.902)	125879	50.0000	46.013
71 Bromobenzene	156	8.822	8.822	(0.901)	324941	50.0000	46.457
72 n-Propylbenzene	120	8.916	8.916	(0.911)	316973	50.0000	46.281
73 2-Chlorotoluene	126	8.999	8.999	(0.919)	297607	50.0000	45.752
74 1,3,5-Trimethylbenzene	105	9.082	9.082	(0.927)	1029229	50.0000	45.556
75 4-Chlorotoluene	126	9.106	9.106	(0.930)	310341	50.0000	45.624
76 tert-Butylbenzene	119	9.401	9.401	(0.960)	801232	50.0000	45.555
77 1,2,4-Trimethylbenzene	105	9.449	9.449	(0.965)	1079652	50.0000	45.845
78 sec-Butylbenzene	105	9.614	9.614	(0.982)	1135644	50.0000	44.993
79 4-Isopropyltoluene	119	9.756	9.756	(0.996)	900228	50.0000	44.967
80 1,3-Dichlorobenzene	146	9.733	9.733	(0.994)	638025	50.0000	52.999
81 1,4-Dichlorobenzene	146	9.816	9.816	(1.002)	661886	50.0000	52.639
82 n-Butylbenzene	91	10.171	10.171	(1.039)	868761	50.0000	44.475
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	635956	50.0000	52.812
84 1,2-Dibromo-3-chloropropane	157	10.940	10.940	(1.117)	60401	50.0000	35.662
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	357519	50.0000	53.541
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	114713	50.0000	45.081
87 Naphthalene	128	12.016	12.016	(1.227)	933587	50.0000	43.900
88 1,2,3-Trichlorobenzene	180	12.265	12.265	(1.253)	264347	50.0000	46.380
98 Cyclohexane	56	4.503	4.503	(0.911)	710207	50.0000	58.858
143 Methyl Acetate	43	2.929	2.929	(0.593)	560116	100.000	95.141
144 Methylcyclohexane	83	5.426	5.426	(1.098)	510017	50.0000	58.649
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	313550	50.0000	45.132

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b/UX77775.D
Report Date: 07/20/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77775.D
Analysis Type: WATER

Injection Date: 19-JUL-2004 07:39
Lab Sample ID: 50NGA9-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
53 3-Chloropropene	50.0000	50.6788	1.4	50.0	
54 2-Chloro-1,3-butadiene	50.0000	50.6341	1.3	50.0	
55 Propionitrile	100.0000	94.2917	5.7	50.0	
56 Methacrylonitrile	50.0000	50.4913	1.0	50.0	
57 Isobutanol	1000.0000	610.1406	39.0	50.0	
58 Methyl Methacrylate	50.0000	39.9895	20.0	50.0	
73 n-Butanol	1000.0000	493.3251	50.7	50.0	<-
74 Ethyl Acetate	100.0000	81.2143	18.8	50.0	
75 Cyclohexanone	500.0000	120.2363	76.0	50.0	<-
76 Ethyl Ether	50.0000	47.1263	5.7	50.0	
85 Dichlorofluoromethane	50.0000	53.4169	6.8	50.0	
86 2-Nitropropane	100.0000	38.6512	61.3	50.0	<-
126 Isopropyl Ether	250.0000	264.9976	6.0	50.0	
130 Fluorobenzene	50.0000	50.0000	0.0	50.0	
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
146 2-Methylnaphthalene	100.0000	59.8912	40.1	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77775.D
Report Date: 20-Jul-2004 08:58

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

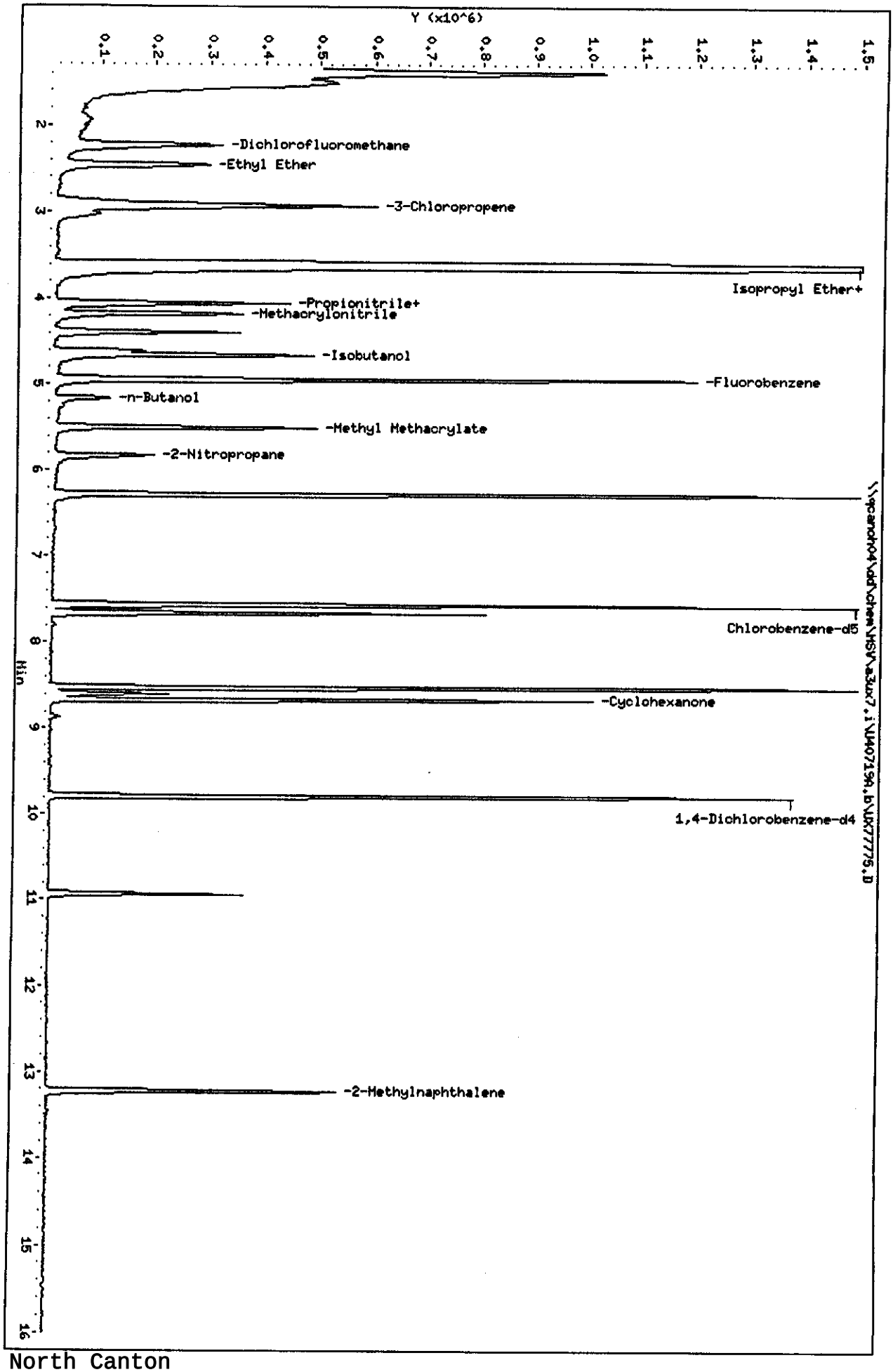
Instrument ID: a3ux7.i
Lab File ID: UX77775.D
Analysis Type: WATER
Lab Sample ID: 50NGA9-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\N8260UX7-3.m

Injection Date: 19-JUL-2004 07:39
Init. Cal. Date(s): 20-APR-2004 15-JUL-2004
Init. Cal. Times: 14:54 14:56
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
14 Dichlorofluoromethane	50.00000	53.41691	0.010	-6.8	50.0	
89 Ethyl Ether	0.24011	0.22631	0.010	-5.7	50.0	
91 3-Chloropropene	0.14759	0.14959	0.010	1.4	50.0	
92 Isopropyl Ether	0.23826	0.25255	0.010	6.0	50.0	
93 2-Chloro-1,3-butadiene	0.46000	0.46584	0.010	1.3	50.0	
94 Propionitrile	0.04491	0.04235	0.010	-5.7	50.0	
95 Ethyl Acetate	0.28472	0.23123	0.010	-18.8	50.0	
96 Methacrylonitrile	0.18831	0.19016	0.010	1.0	50.0	
97 Isobutanol	0.01336	0.00815	0.010	-39.0	50.0	<-
99 n-Butanol	0.01262	0.00623	0.010	-50.7	50.0	<-
100 Methyl Methacrylate	0.27282	0.21820	0.010	-20.0	50.0	
101 2-Nitropropane	0.08400	0.03247	0.010	-61.3	50.0	<-
103 Cyclohexanone	0.12862	0.03093	0.010	-76.0	50.0	<-
146 2-Methylnaphthalene	100	59.89118	0.010	40.1	50.0	

Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\U407190.b\UX77775.D
Date : 19-JUL-2004 07:39
Client ID:
Sample Info: 50NGA9-CC
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\U40719A.b\UX77775.D
Report Date: 20-Jul-2004 08:58

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77775.D
Lab Smp Id: 50NGA9-CC
Inj Date : 19-JUL-2004 07:39
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NGA9-CC
Misc Info : U40719A,N8260UX7-3,3-IX.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 08:58 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-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	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	1336712	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	903156	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	376933	50.0000	
14 Dichlorofluoromethane	67	2.231	2.231	(0.450)	614064	50.0000	53.417
89 Ethyl Ether	59	2.467	2.467	(0.498)	302507	50.0000	47.126
91 3-Chloropropene	76	2.941	2.941	(0.594)	199960	50.0000	50.679
92 Isopropyl Ether	87	3.615	3.615	(0.730)	1687939	250.000	265.00(A)
93 2-Chloro-1,3-butadiene	53	3.639	3.639	(0.735)	622689	50.0000	50.634
94 Propionitrile	54	4.053	4.053	(0.818)	113220	100.000	94.292
95 Ethyl Acetate	43	4.053	4.053	(0.818)	618183	100.000	81.214
96 Methacrylonitrile	41	4.183	4.183	(0.845)	254184	50.0000	50.491
97 Isobutanol	41	4.621	4.621	(0.611)	147285	1000.00	610.14(A)
99 n-Butanol	56	5.165	5.165	(0.683)	112479	1000.00	493.32(A)
100 Methyl Methacrylate	41	5.508	5.508	(1.112)	291670	50.0000	39.989
101 2-Nitropropane	41	5.828	5.828	(1.177)	86800	100.000	38.651
103 Cyclohexanone	55	8.597	8.597	(0.878)	116586	500.000	120.24
146 2-Methylnaphthalene	142	13.223	13.223	(1.350)	351837	100.000	59.891

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77775.D
Report Date: 20-Jul-2004 08:58

QC Flag Legend

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

Report Date: 20-Jul-2004 08:36

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\N8260UX7-3.m
Start Cal Date: 20-APR-2004 14:54
End Cal Date : 15-JUL-2004 14:56
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
15-JUL-2004 09:20	1-8260	UX77653.D
Cal Level: 2 , Cal Amount: 10.000		
15-JUL-2004 12:58	3-IX	UX77661.D
15-JUL-2004 09:43	1-8260	UX77654.D
Cal Level: 3 , Cal Amount: 25.000		
15-JUL-2004 13:21	3-IX	UX77662.D
15-JUL-2004 10:07	1-8260	UX77655.D
Cal Level: 4 , Cal Amount: 50.000		
15-JUL-2004 14:09	3-IX	UX77663.D
15-JUL-2004 10:30	1-8260	UX77656.D
Cal Level: 5 , Cal Amount: 100.00		
15-JUL-2004 14:33	3-IX	UX77664.D
15-JUL-2004 10:53	1-8260	UX77657.D
Cal Level: 6 , Cal Amount: 200.00		
15-JUL-2004 14:56	3-IX	UX77665.D
15-JUL-2004 11:16	1-8260	UX77658.D

Continuing Calibration

19-JUL-2004 19:56	1-8260	UX77804.D
19-JUL-2004 19:32	3-IX	UX77803.D

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719B.b/UX77804.D
Report Date: 07/19/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77804.D
Analysis Type: WATER

Injection Date: 19-JUL-2004 19:56
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719B.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0 Chlorobenzene	50.0000	48.6800	2.6	50.0	
0 Bromodichloromethane	50.0000	43.7804	12.4	50.0	
0 1,1,2,2-Tetrachloroethane	50.0000	45.6246	8.8	50.0	
0 Bromoform	50.0000	31.0237	38.0	50.0	
0 Styrene	50.0000	47.5234	5.0	50.0	
0 Xylene-o	50.0000	47.6915	4.6	50.0	
0 Xylenes (total)	150.0000	144.1725	3.9	50.0	
0 2-Hexanone	100.0000	89.5002	10.5	50.0	
0 Chloromethane	50.0000	56.3409	12.7	50.0	
0 Vinyl Chloride	50.0000	57.6324	15.3	20.0	
0 Bromomethane	50.0000	62.3398	24.7	50.0	
0 Chloroethane	50.0000	55.9397	11.9	50.0	
0 1,1-Dichloroethane	50.0000	48.4525	3.1	50.0	
0 Tetrachloroethene	50.0000	50.0288	0.1	50.0	
0 Acetone	100.0000	88.2821	11.7	50.0	
0 1,1-Dichloroethene	50.0000	50.0384	0.1	20.0	
0 m + p-Xylene	100.0000	96.4810	3.5	50.0	
0 Ethylbenzene	50.0000	47.0929	5.8	20.0	
0 Carbon Disulfide	50.0000	55.0394	10.1	50.0	
0 Methylene Chloride	50.0000	51.4611	2.9	50.0	
0 1,2-Dichloropropane	50.0000	46.9965	6.0	20.0	
0 1,1,2-Trichloroethane	50.0000	48.0416	3.9	50.0	
0 Dibromochloromethane	50.0000	38.5175	23.0	50.0	
0 trans-1,2-Dichloroethene	50.0000	49.3441	1.3	50.0	
0 trans-1,3-Dichloropropene	50.0000	42.7531	14.5	50.0	
0 cis-1,3-Dichloropropene	50.0000	44.3226	11.4	50.0	
0 Chloroform	50.0000	49.1047	1.8	20.0	
0 Toluene	50.0000	47.7698	4.5	20.0	
0 2-Butanone	100.0000	91.1144	8.9	50.0	
0 1,2-Dichloroethene (total)	100.0000	97.0424	3.0	50.0	
0 cis-1,2-dichloroethene	50.0000	47.6983	4.6	50.0	
0 4-Methyl-2-pentanone	100.0000	100.0643	0.1	50.0	
0 1,2-Dichloroethane	50.0000	50.8062	1.6	50.0	
0 Trichloroethene	50.0000	48.5134	3.0	50.0	
0 1,1,1-Trichloroethane	50.0000	48.1921	3.6	50.0	
0 Carbon Tetrachloride	50.0000	43.5702	12.9	50.0	
0 Benzene	50.0000	47.0968	5.8	50.0	
38 Dichlorodifluoromethane	50.0000	75.2943	50.6	50.0	<-
39 Trichlorofluoromethane	50.0000	60.5301	21.1	50.0	

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719B.b/UX77804.D
Report Date: 07/19/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77804.D
Analysis Type: WATER

Injection Date: 19-JUL-2004 19:56
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	382.3039	23.5	50.0	
41 Acrylonitrile	500.0000	512.6530	2.5	50.0	
42 Vinyl acetate	50.0000	34.5206	31.0	50.0	
43 2-Chloroethyl vinyl ether	100.0000	82.0353	18.0	50.0	
47 Freon-113	50.0000	56.2518	12.5	50.0	
48 1,3-Dichlorobenzene	50.0000	46.1884	7.6	50.0	
49 1,4-Dichlorobenzene	50.0000	46.8992	6.2	50.0	
50 1,2-Dichlorobenzene	50.0000	46.8940	6.2	50.0	
51 Acetonitrile	500.0000	535.7671	7.2	50.0	
52 Iodomethane	50.0000	51.4718	2.9	50.0	
59 1,4-Dioxane	2500.0000	2616.0427	4.6	50.0	
60 Dibromomethane	50.0000	50.4609	0.9	50.0	
62 Ethyl Methacrylate	50.0000	42.8421	14.3	50.0	
63 1,2-Dibromoethane	50.0000	48.9947	2.0	50.0	
64 1,1,1,2-Tetrachloroethane	50.0000	40.2818	19.4	50.0	
65 1,2,3-Trichloropropane	50.0000	47.7934	4.4	50.0	
66 1,4-Dichloro-2-butene	50.0000	22.8161	54.4	50.0	<-
69 1,2-Dibromo-3-chloropropane	50.0000	37.4245	25.2	50.0	
82 Methyl tert-butyl ether	50.0000	36.6716	26.7	50.0	
84 Tetrahydrofuran	50.0000	49.9033	0.2	50.0	
98 2,2-Dichloropropane	50.0000	44.6008	10.8	50.0	
99 1,1-Dichloropropene	50.0000	50.2106	0.4	50.0	
100 1,3-Dichloropropane	50.0000	48.9805	2.0	50.0	
102 Bromobenzene	50.0000	47.9083	4.2	50.0	
103 2-Chlorotoluene	50.0000	46.5608	6.9	50.0	
104 n-Propylbenzene	50.0000	45.4219	9.2	50.0	
105 4-Chlorotoluene	50.0000	45.6013	8.8	50.0	
106 1,3,5-Trimethylbenzene	50.0000	45.9715	8.1	50.0	
107 tert-Butylbenzene	50.0000	45.4576	9.1	50.0	
108 1,2,4-Trimethylbenzene	50.0000	45.5054	9.0	50.0	
109 sec-Butylbenzene	50.0000	44.9209	10.2	50.0	
110 4-Isopropyltoluene	50.0000	44.9627	10.1	50.0	
111 n-Butylbenzene	50.0000	44.0385	11.9	50.0	
112 1,2,4-Trichlorobenzene	50.0000	42.8168	14.4	50.0	
113 Naphthalene	50.0000	45.4436	9.1	50.0	
114 Hexachlorobutadiene	50.0000	42.9651	14.1	50.0	
115 1,2,3-Trichlorobenzene	50.0000	46.8899	6.2	50.0	
124 tert-Butyl Alcohol	1000.0000	779.4773	22.1	50.0	

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719B.b/UX77804.D
Report Date: 07/19/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77804.D
Analysis Type: WATER

Injection Date: 19-JUL-2004 19:56
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	53.7213	7.4	20.0
127 Cyclohexane	50.0000	52.0967	4.2	50.0
128 Isopropylbenzene	50.0000	46.7289	6.5	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	50.7616	1.5	50.0
141 1,3,5-Trichlorobenzene	50.0000	44.3736	11.3	50.0
143 Methyl Acetate	100.0000	108.4144	8.4	50.0
144 Methylcyclohexane	50.0000	50.7909	1.6	50.0
22 Toluene-d8	50.0000	47.2383	5.5	50.0
32 Bromofluorobenzene	50.0000	44.1923	11.6	50.0
47 1,2-Dichloroethane-d4	50.0000	48.2827	3.4	50.0
131 Dibromofluoromethane	50.0000	46.9551	6.1	50.0

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719B.b\UX77804.D
Report Date: 19-Jul-2004 20:13

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX77804.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719B.b\N8260UX7-3.m

Injection Date: 19-JUL-2004 19:56
Init. Cal. Date(s): 20-APR-2004 15-JUL-2004
Init. Cal. Times: 14:54 14:56
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	4 Dibromofluoromethane	0.22051	0.20708	0.010	-6.1	50.0	
$	5 1,2-Dichloroethane-d4	0.33512	0.32361	0.010	-3.4	50.0	
$	6 Toluene-d8	1.35384	1.27906	0.010	-5.5	50.0	
$	7 Bromofluorobenzene	0.52272	0.46200	0.010	-11.6	50.0	
	8 Dichlorodifluoromethane	50.00000	75.29434	0.010	-50.6	50.0	<-
	9 Chloromethane	0.40291	0.45400	0.100	12.7	50.0	
	10 Vinyl Chloride	0.34666	0.39958	0.010	15.3	20.0	
	11 Bromomethane	50.00000	62.33975	0.010	-24.7	50.0	
	12 Chloroethane	0.23482	0.26271	0.010	11.9	50.0	
	13 Trichlorofluoromethane	0.31011	0.37542	0.010	21.1	50.0	
	15 Acrolein	0.05308	0.04059	0.010	-23.5	50.0	
	16 Acetone	100	88.28215	0.010	11.7	50.0	
	17 1,1-Dichloroethene	0.23952	0.23970	0.010	0.1	20.0	
	18 Freon-113	0.14142	0.15910	0.010	12.5	50.0	
	19 Iodomethane	0.33892	0.34890	0.010	2.9	50.0	
	20 Carbon Disulfide	0.84365	0.92868	0.010	10.1	50.0	
	21 Methylene Chloride	50.00000	51.46110	0.010	-2.9	50.0	
	22 Acetonitrile	0.03928	0.04209	0.010	7.2	50.0	
	23 Acrylonitrile	0.12101	0.12407	0.010	2.5	50.0	
	24 Methyl tert-butyl ether	1.14234	0.83783	0.010	-26.7	50.0	
	25 trans-1,2-Dichloroethene	0.28049	0.27681	0.010	-1.3	50.0	
	26 Hexane	50.00000	53.72128	0.010	-7.4	20.0	
	27 Vinyl acetate	0.64642	0.44630	0.010	-31.0	50.0	
	28 1,1-Dichloroethane	0.54198	0.52520	0.100	-3.1	50.0	
	29 tert-Butyl Alcohol	0.03283	0.02559	0.010	-22.1	50.0	
	30 2-Butanone	0.19260	0.17549	0.010	-8.9	50.0	
M	31 1,2-Dichloroethene (total)	0.28993	0.28120	0.010	-3.0	50.0	
	32 cis-1,2-dichloroethene	0.29938	0.28559	0.010	-4.6	50.0	
	33 2,2-Dichloropropane	0.44332	0.39545	0.010	-10.8	50.0	
	34 Bromochloromethane	0.12477	0.12667	0.010	1.5	50.0	
	35 Chloroform	0.48803	0.47930	0.010	-1.8	20.0	
	36 Tetrahydrofuran	50.00000	49.90331	0.010	0.2	50.0	
	37 1,1,1-Trichloroethane	0.43251	0.41687	0.010	-3.6	50.0	
	38 1,1-Dichloropropene	0.36604	0.36758	0.010	0.4	50.0	
	39 Carbon Tetrachloride	0.32490	0.28312	0.010	-12.9	50.0	
	40 1,2-Dichloroethane	0.43035	0.43729	0.010	1.6	50.0	

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719B.b\UX77804.D
Report Date: 19-Jul-2004 20:13

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX77804.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719B.b\N8260UX7-3.m

Injection Date: 19-JUL-2004 19:56
Init. Cal. Date(s): 20-APR-2004 15-JUL-2004
Init. Cal. Times: 14:54 14:56
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	1.21950	1.14869	0.010	-5.8	50.0	
	42 Trichloroethene	0.26222	0.25443	0.010	-3.0	50.0	
	43 1,2-Dichloropropane	0.31816	0.29905	0.010	-6.0	20.0	
	44 1,4-Dioxane	0.00276	0.00289	0.010	4.6	50.0	<-
	45 Dibromomethane	0.15963	0.16110	0.010	0.9	50.0	
	46 Bromodichloromethane	0.38550	0.33755	0.010	-12.4	50.0	
	47 2-Chloroethyl vinyl ether	0.19258	0.15798	0.010	-18.0	50.0	
	48 cis-1,3-Dichloropropene	0.49455	0.43840	0.010	-11.4	50.0	
	49 4-Methyl-2-pentanone	0.32162	0.32182	0.010	0.1	50.0	
	50 Toluene	1.79618	1.71607	0.010	-4.5	20.0	
	51 trans-1,3-Dichloropropene	0.67763	0.57941	0.010	-14.5	50.0	
	52 Ethyl Methacrylate	0.63608	0.54502	0.010	-14.3	50.0	
	53 1,1,2-Trichloroethane	0.35880	0.34475	0.010	-3.9	50.0	
	54 1,3-Dichloropropane	0.66712	0.65351	0.010	-2.0	50.0	
	55 Tetrachloroethene	0.24300	0.24314	0.010	0.1	50.0	
	56 2-Hexanone	0.40089	0.35880	0.010	-10.5	50.0	
	57 Dibromochloromethane	0.36683	0.28259	0.010	-23.0	50.0	
	58 1,2-Dibromoethane	0.34804	0.34105	0.010	-2.0	50.0	
	59 Chlorobenzene	1.05376	1.02594	0.300	-2.6	50.0	
	60 1,1,1,2-Tetrachloroethane	0.36786	0.29636	0.010	-19.4	50.0	
	61 Ethylbenzene	0.55267	0.52054	0.010	-5.8	20.0	
	62 m + p-Xylene	0.67215	0.64849	0.010	-3.5	50.0	
M	63 Xylenes (total)	0.66975	0.64375	0.010	-3.9	50.0	
	64 Xylene-o	0.66495	0.63425	0.010	-4.6	50.0	
	65 Styrene	1.19483	1.13565	0.010	-5.0	50.0	
	66 Bromoform	0.22590	0.14017	0.100	-38.0	50.0	
	67 Isopropylbenzene	1.43669	1.34270	0.010	-6.5	50.0	
	68 1,1,2,2-Tetrachloroethane	1.12904	1.03024	0.300	-8.8	50.0	
	69 1,4-Dichloro-2-butene	0.41455	0.18917	0.010	-54.4	50.0	<-
	70 1,2,3-Trichloropropane	0.34541	0.33016	0.010	-4.4	50.0	
	71 Bromobenzene	0.88311	0.84616	0.010	-4.2	50.0	
	72 n-Propylbenzene	0.86474	0.78556	0.010	-9.2	50.0	
	73 2-Chlorotoluene	0.82129	0.76480	0.010	-6.9	50.0	
	74 1,3,5-Trimethylbenzene	2.85254	2.62271	0.010	-8.1	50.0	
	75 4-Chlorotoluene	0.85884	0.78329	0.010	-8.8	50.0	
	76 tert-Butylbenzene	2.22066	2.01892	0.010	-9.1	50.0	

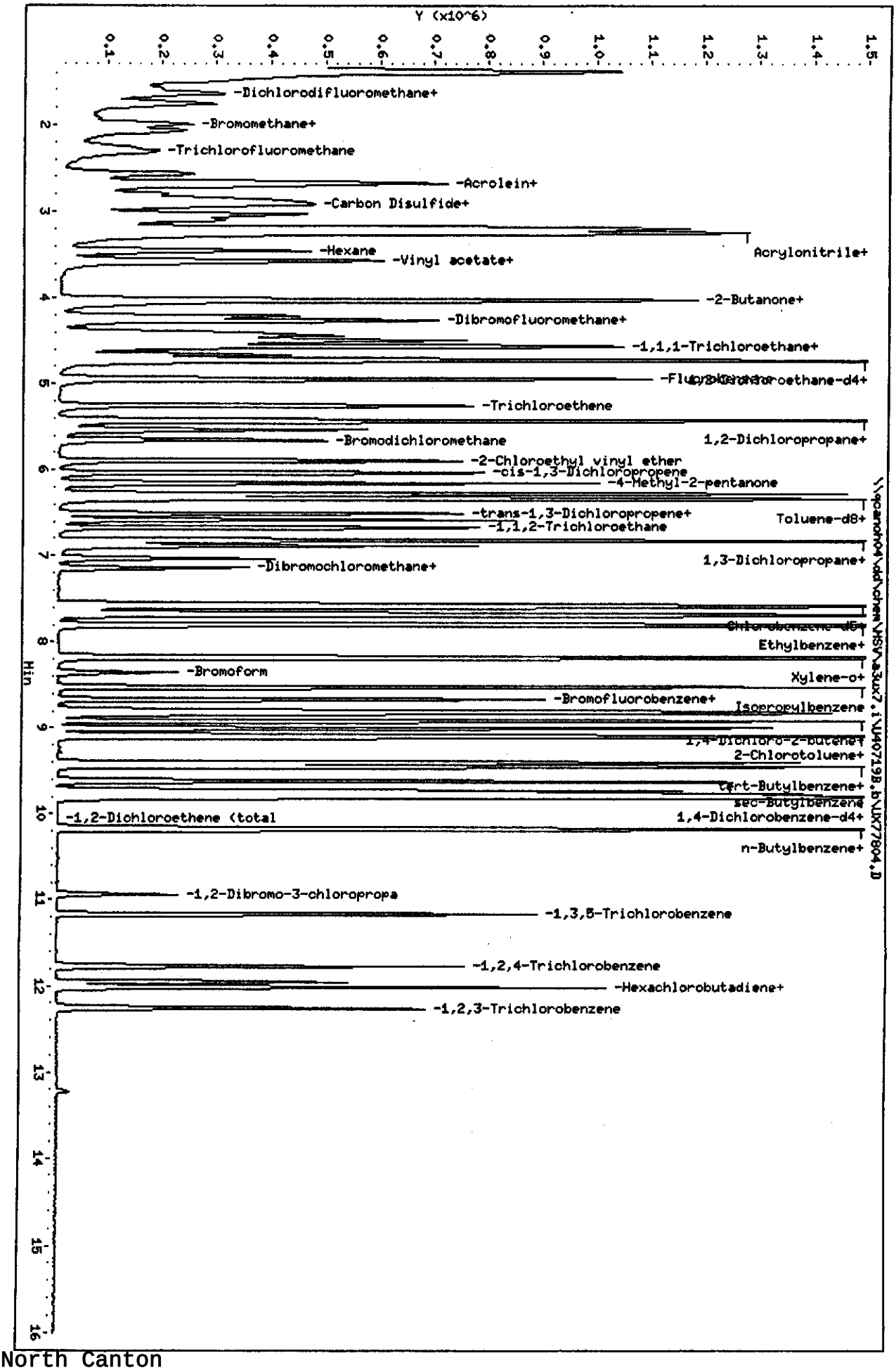
Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719B.b\UX77804.D
Report Date: 19-Jul-2004 20:13

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 19-JUL-2004 19:56
Lab File ID: UX77804.D Init. Cal. Date(s): 20-APR-2004 15-JUL-2004
Analysis Type: WATER Init. Cal. Times: 14:54 14:56
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719B.b\N8260UX7-3.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	2.97342	2.70614	0.010	-9.0	50.0
78 sec-Butylbenzene	3.18684	2.86311	0.010	-10.2	50.0
79 4-Isopropyltoluene	2.52769	2.27303	0.010	-10.1	50.0
80 1,3-Dichlorobenzene	1.51997	1.40410	0.010	-7.6	50.0
81 1,4-Dichlorobenzene	1.58758	1.48913	0.010	-6.2	50.0
82 n-Butylbenzene	2.46632	2.17226	0.010	-11.9	50.0
83 1,2-Dichlorobenzene	1.52040	1.42596	0.010	-6.2	50.0
84 1,2-Dibromo-3-chloropropane	0.21385	0.16006	0.010	-25.2	50.0
85 1,2,4-Trichlorobenzene	0.84310	0.72197	0.010	-14.4	50.0
86 Hexachlorobutadiene	0.32128	0.27608	0.010	-14.1	50.0
87 Naphthalene	2.68504	2.44036	0.010	-9.1	50.0
88 1,2,3-Trichlorobenzene	0.71963	0.67487	0.010	-6.2	50.0
98 Cyclohexane	0.45260	0.47157	0.010	4.2	50.0
143 Methyl Acetate	0.22082	0.23940	0.010	8.4	50.0
144 Methylcyclohexane	0.32618	0.33134	0.010	1.6	50.0
141 1,3,5-Trichlorobenzene	0.87717	0.77847	0.010	-11.3	50.0


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U407198.b\UX77804.D
Date : 19-JUL-2004 19:56
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+
-Carbon Disulfide+
Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Dibromofluoromethane+
-1,1,1-Trichloroethane+
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane
Toluene-d8+
1,3-Dichloropropane+
-Dibromochloromethane+
Ethylbenzene+
-Bromoform
Xylene-o+
-Bromofluorobenzene+
Isopropylbenzene
2-Chlorotoluene+
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\U407198.b\UX77804.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77804.D
Report Date: 20-Jul-2004 08:40

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77804.D
Lab Smp Id: 50NG-CC
Inj Date : 19-JUL-2004 19:56
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NG-CC
Misc Info : U40719B,N8260UX7-3,1-8260.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 08:40 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 31 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	4.952	4.952	(1.000)	1191473	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	818576	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	363999	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	246728	50.0000	46.955
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	385571	50.0000	48.283
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	1047005	50.0000	47.238
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	378185	50.0000	44.192
8 Dichlorodifluoromethane	85	1.591	1.591	(0.321)	327464	50.0000	75.294
9 Chloromethane	50	1.639	1.639	(0.331)	540929	50.0000	56.341
10 Vinyl Chloride	62	1.757	1.757	(0.355)	476087	50.0000	57.632
11 Bromomethane	94	1.994	1.994	(0.403)	258069	50.0000	62.340
12 Chloroethane	64	2.065	2.065	(0.417)	313011	50.0000	55.940
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	447303	50.0000	60.530
15 Acrolein	56	2.562	2.562	(0.517)	483601	500.000	382.30
16 Acetone	43	2.680	2.680	(0.541)	316530	100.000	88.282
17 1,1-Dichloroethene	96	2.680	2.680	(0.541)	285599	50.0000	50.038
18 Freon-113	151	2.704	2.704	(0.546)	189566	50.0000	56.252

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77804.D
Report Date: 20-Jul-2004 08:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.798	2.798	(0.565)	415699	50.0000	51.472
	20 Carbon Disulfide	76	2.869	2.869	(0.579)	1106496	50.0000	55.039
	21 Methylene Chloride	84	3.035	3.035	(0.613)	371629	50.0000	51.461
	22 Acetonitrile	41	2.905	2.905	(0.587)	501459	500.000	535.77
	23 Acrylonitrile	53	3.201	3.201	(0.646)	1478289	500.000	512.65
	24 Methyl tert-butyl ether	73	3.260	3.260	(0.658)	998249	50.0000	36.672
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	329813	50.0000	49.344
	26 Hexane	86	3.461	3.461	(0.699)	56887	50.0000	53.720
	27 Vinyl acetate	43	3.591	3.591	(0.725)	531754	50.0000	34.521
	28 1,1-Dichloroethane	63	3.568	3.568	(0.720)	625764	50.0000	48.452
	29 tert-Butyl Alcohol	59	3.106	3.106	(0.627)	609798	1000.00	779.48
	30 2-Butanone	43	4.017	4.017	(0.811)	418178	100.000	91.114
M	31 1,2-Dichloroethene (total)	96				670090	100.000	97.042
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	340277	50.0000	47.698
	33 2,2-Dichloropropane	77	4.041	4.041	(0.816)	471165	50.0000	44.601
	34 Bromochloromethane	128	4.218	4.218	(0.852)	150929	50.0000	50.761
	35 Chloroform	83	4.266	4.266	(0.861)	571067	50.0000	49.105
	36 Tetrahydrofuran	42	4.254	4.254	(0.859)	110378	50.0000	49.903
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	496693	50.0000	48.192
	38 1,1-Dichloropropene	75	4.561	4.561	(0.921)	437965	50.0000	50.210
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	337325	50.0000	43.570
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	521022	50.0000	50.806
	41 Benzene	78	4.727	4.727	(0.955)	1368632	50.0000	47.097
	42 Trichloroethene	130	5.260	5.260	(1.062)	303143	50.0000	48.513
	43 1,2-Dichloropropane	63	5.425	5.425	(1.096)	356311	50.0000	46.996
	44 1,4-Dioxane	88	5.532	5.532	(1.117)	172050	2500.00	2616.0(A)
	45 Dibromomethane	93	5.532	5.532	(1.117)	191943	50.0000	50.461
	46 Bromodichloromethane	83	5.662	5.662	(1.143)	402176	50.0000	43.780
	47 2-Chloroethyl vinyl ether	63	5.899	5.899	(1.191)	376458	100.000	82.035
	48 cis-1,3-Dichloropropene	75	6.029	6.029	(1.217)	522337	50.0000	44.322
	49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	766890	100.000	100.06
	50 Toluene	91	6.336	6.336	(0.837)	1404730	50.0000	47.770
	51 trans-1,3-Dichloropropene	75	6.514	6.514	(0.861)	474292	50.0000	42.753
	52 Ethyl Methacrylate	69	6.585	6.585	(0.870)	446141	50.0000	42.842
	53 1,1,2-Trichloroethane	97	6.668	6.668	(0.881)	282203	50.0000	48.041
	54 1,3-Dichloropropane	76	6.822	6.822	(0.901)	534950	50.0000	48.980
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	199030	50.0000	50.029
	56 2-Hexanone	43	6.893	6.893	(0.911)	587402	100.000	89.500
	57 Dibromochloromethane	129	7.035	7.035	(0.930)	231321	50.0000	38.517
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	279171	50.0000	48.995
	59 Chlorobenzene	112	7.591	7.591	(1.003)	839813	50.0000	48.680
	60 1,1,1,2-Tetrachloroethane	131	7.674	7.674	(1.014)	242593	50.0000	40.282
	61 Ethylbenzene	106	7.697	7.697	(1.017)	426099	50.0000	47.093
	62 m + p-Xylene	106	7.804	7.804	(1.031)	1061682	100.000	96.481
M	63 Xylenes (total)	106				1580864	150.000	144.17
	64 Xylene-o	106	8.170	8.170	(1.080)	519182	50.0000	47.691
	65 Styrene	104	8.182	8.182	(1.081)	929615	50.0000	47.523

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77804.D
Report Date: 20-Jul-2004 08:40

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)	114736	50.0000	31.024
67 Isopropylbenzene	105	8.525	8.525	(1.127)	1099101	50.0000	46.729
68 1,1,2,2-Tetrachloroethane	83	8.786	8.786	(0.897)	375006	50.0000	45.625
69 1,4-Dichloro-2-butene	53	8.845	8.845	(0.903)	68856	50.0000	22.816
70 1,2,3-Trichloropropane	110	8.833	8.833	(0.902)	120179	50.0000	47.793
71 Bromobenzene	156	8.821	8.821	(0.901)	308002	50.0000	47.908
72 n-Propylbenzene	120	8.916	8.916	(0.911)	285944	50.0000	45.422
73 2-Chlorotoluene	126	9.011	9.011	(0.920)	278386	50.0000	46.561
74 1,3,5-Trimethylbenzene	105	9.093	9.093	(0.929)	954664	50.0000	45.972
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	285115	50.0000	45.601
76 tert-Butylbenzene	119	9.401	9.401	(0.960)	734886	50.0000	45.458
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	985031	50.0000	45.505
78 sec-Butylbenzene	105	9.626	9.626	(0.983)	1042169	50.0000	44.921
79 4-Isopropyltoluene	119	9.768	9.768	(0.998)	827382	50.0000	44.963
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	511090	50.0000	46.188
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	542040	50.0000	46.899
82 n-Butylbenzene	91	10.158	10.158	(1.037)	790702	50.0000	44.038
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	519046	50.0000	46.894
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	58262	50.0000	37.424
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	262797	50.0000	42.817
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	100492	50.0000	42.965
87 Naphthalene	128	12.016	12.016	(1.227)	888288	50.0000	45.444
88 1,2,3-Trichlorobenzene	180	12.265	12.265	(1.253)	245650	50.0000	46.890
98 Cyclohexane	56	4.502	4.502	(0.909)	561868	50.0000	52.097
143 Methyl Acetate	43	2.929	2.929	(0.591)	570477	100.000	108.41
144 Methylcyclohexane	83	5.437	5.437	(1.098)	394778	50.0000	50.791
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	283361	50.0000	44.374

QC Flag Legend

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

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719B.b/UX77803.D
Report Date: 07/19/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77803.D
Analysis Type: WATER

Injection Date: 19-JUL-2004 19:32
Lab Sample ID: 50NGA9-CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719B.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
53 3-Chloropropene	50.0000	45.4326	9.1	50.0	
54 2-Chloro-1,3-butadiene	50.0000	47.2520	5.5	50.0	
55 Propionitrile	100.0000	96.3949	3.6	50.0	
56 Methacrylonitrile	50.0000	48.7068	2.6	50.0	
57 Isobutanol	1000.0000	906.9673	9.3	50.0	
58 Methyl Methacrylate	50.0000	46.7391	6.5	50.0	
73 n-Butanol	1000.0000	642.4423	35.8	50.0	
74 Ethyl Acetate	100.0000	94.2625	5.7	50.0	
75 Cyclohexanone	500.0000	134.2860	73.1	50.0	<-
76 Ethyl Ether	50.0000	43.5812	12.8	50.0	
85 Dichlorofluoromethane	50.0000	46.2096	7.6	50.0	
86 2-Nitropropane	100.0000	54.6267	45.4	50.0	
126 Isopropyl Ether	250.0000	247.7910	0.9	50.0	
130 Fluorobenzene	50.0000	50.0000	0.0	50.0	
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
146 2-Methylnaphthalene	100.0000	81.0810	18.9	50.0	

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719B.b\UX77803.D
Report Date: 19-Jul-2004 19:50

STL - North Canton

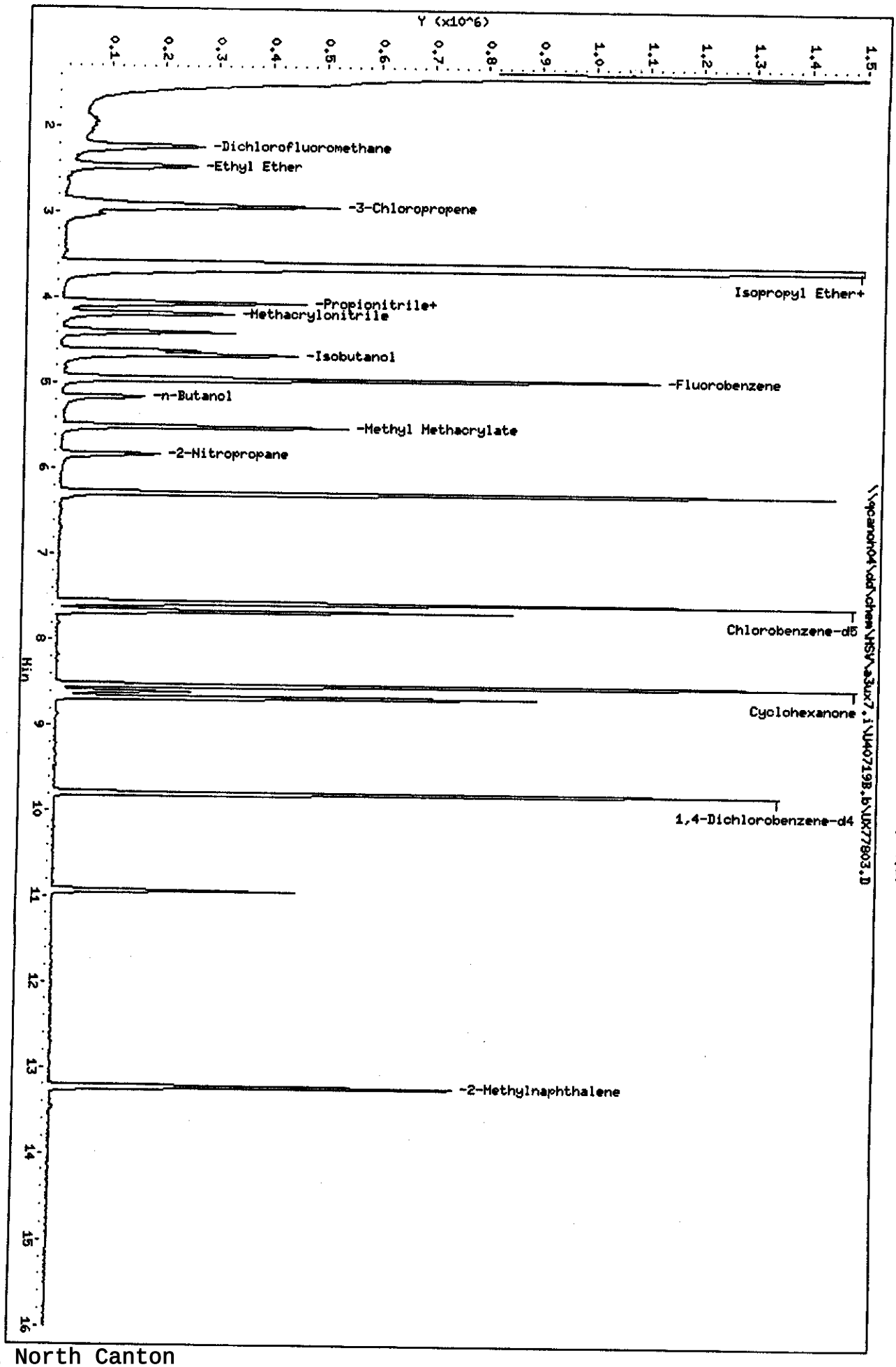
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 19-JUL-2004 19:32
Lab File ID: UX77803.D Init. Cal. Date(s): 20-APR-2004 15-JUL-2004
Analysis Type: WATER Init. Cal. Times: 14:54 14:56
Lab Sample ID: 50NGA9-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40719B.b\N8260UX7-3.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
14 Dichlorofluoromethane	50.00000	46.20961	0.010	7.6	50.0	
89 Ethyl Ether	0.24011	0.20928	0.010	-12.8	50.0	
91 3-Chloropropene	0.14759	0.13411	0.010	-9.1	50.0	
92 Isopropyl Ether	0.23826	0.23615	0.010	-0.9	50.0	
93 2-Chloro-1,3-butadiene	0.46000	0.43472	0.010	-5.5	50.0	
94 Propionitrile	0.04491	0.04329	0.010	-3.6	50.0	
95 Ethyl Acetate	0.28472	0.26838	0.010	-5.7	50.0	
96 Methacrylonitrile	0.18831	0.18344	0.010	-2.6	50.0	
97 Isobutanol	0.01336	0.01212	0.010	-9.3	50.0	
99 n-Butanol	0.01262	0.00811	0.010	-35.8	50.0	<-
100 Methyl Methacrylate	0.27282	0.25503	0.010	-6.5	50.0	
101 2-Nitropropane	0.08400	0.04589	0.010	-45.4	50.0	
103 Cyclohexanone	0.12862	0.03454	0.010	-73.1	50.0	<-
146 2-Methylnaphthalene	100	81.08104	0.010	18.9	50.0	

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40719B.b\UX77803.D
Date : 19-JUL-2004 19:32
Client ID:
Sample Info: 50NG09-CC
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\U40719B.b\UX77803.D
Report Date: 20-Jul-2004 08:39

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77803.D
Lab Smp Id: 50NGA9-CC
Inj Date : 19-JUL-2004 19:32
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NGA9-CC
Misc Info : U40719B,N8260UX7-3,3-IX.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 08:39 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 30 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-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	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	1251828	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	863350	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	372127	50.0000	
14 Dichlorofluoromethane	67	2.230	2.230	(0.450)	499904	50.0000	46.210
89 Ethyl Ether	59	2.467	2.467	(0.498)	261986	50.0000	43.581
91 3-Chloropropene	76	2.940	2.940	(0.594)	167877	50.0000	45.432
92 Isopropyl Ether	87	3.614	3.614	(0.730)	1478111	250.000	247.79(A)
93 2-Chloro-1,3-butadiene	53	3.650	3.650	(0.737)	544195	50.0000	47.252
94 Propionitrile	54	4.052	4.052	(0.818)	108395	100.000	96.395
95 Ethyl Acetate	43	4.052	4.052	(0.818)	671939	100.000	94.262
96 Methacrylonitrile	41	4.182	4.182	(0.845)	229629	50.0000	48.707
97 Isobutanol	41	4.620	4.620	(0.611)	209288	1000.00	906.97(A)
99 n-Butanol	56	5.153	5.153	(0.681)	140022	1000.00	642.44(A)
100 Methyl Methacrylate	41	5.508	5.508	(1.112)	319251	50.0000	46.739
101 2-Nitropropane	41	5.827	5.827	(1.177)	114886	100.000	54.626
103 Cyclohexanone	55	8.596	8.596	(0.878)	128549	500.000	134.29
146 2-Methylnaphthalene	142	13.235	13.235	(1.352)	505516	100.000	81.081

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77803.D
Report Date: 20-Jul-2004 08:39

QC Flag Legend

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

Report Date: 21-Jul-2004 13:43

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\N8260UX7-3.m
Start Cal Date: 20-APR-2004 14:54
End Cal Date : 15-JUL-2004 14:56
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
15-JUL-2004 09:20	1-8260	UX77653.D
Cal Level: 2 , Cal Amount: 10.000		
15-JUL-2004 12:58	3-IX	UX77661.D
15-JUL-2004 09:43	1-8260	UX77654.D
Cal Level: 3 , Cal Amount: 25.000		
15-JUL-2004 13:21	3-IX	UX77662.D
15-JUL-2004 10:07	1-8260	UX77655.D
Cal Level: 4 , Cal Amount: 50.000		
15-JUL-2004 14:09	3-IX	UX77663.D
15-JUL-2004 10:30	1-8260	UX77656.D
Cal Level: 5 , Cal Amount: 100.00		
15-JUL-2004 14:33	3-IX	UX77664.D
15-JUL-2004 10:53	1-8260	UX77657.D
Cal Level: 6 , Cal Amount: 200.00		
15-JUL-2004 14:56	3-IX	UX77665.D
15-JUL-2004 11:16	1-8260	UX77658.D

Continuing Calibration

21-JUL-2004 09:32	1-8260	UX77889.D
21-JUL-2004 09:08	3-IX	UX77888.D

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40721A.b/UX77889.D
Report Date: 07/21/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77889.D
Analysis Type: WATER

Injection Date: 21-JUL-2004 09:32
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40721A.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	42.4303	15.1	50.0
0 Bromodichloromethane	50.0000	40.1100	19.8	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	39.5490	20.9	50.0
0 Bromoform	50.0000	28.0279	43.9	50.0
0 Styrene	50.0000	41.5595	16.9	50.0
0 Xylene-o	50.0000	41.7667	16.5	50.0
0 Xylenes (total)	150.0000	126.9221	15.4	50.0
0 2-Hexanone	100.0000	66.9714	33.0	50.0
0 Chloromethane	50.0000	48.9871	2.0	50.0
0 Vinyl Chloride	50.0000	50.3030	0.6	20.0
0 Bromomethane	50.0000	56.4851	13.0	50.0
0 Chloroethane	50.0000	49.5675	0.9	50.0
0 1,1-Dichloroethane	50.0000	42.8606	14.3	50.0
0 Tetrachloroethene	50.0000	43.8878	12.2	50.0
0 Acetone	100.0000	61.5706	38.4	50.0
0 1,1-Dichloroethene	50.0000	44.1343	11.7	20.0
0 m + p-Xylene	100.0000	85.1554	14.8	50.0
0 Ethylbenzene	50.0000	42.5168	15.0	20.0
0 Carbon Disulfide	50.0000	47.4888	5.0	50.0
0 Methylene Chloride	50.0000	40.0560	19.9	50.0
0 1,2-Dichloropropane	50.0000	41.8593	16.3	20.0
0 1,1,2-Trichloroethane	50.0000	43.0746	13.9	50.0
0 Dibromochloromethane	50.0000	34.8636	30.3	50.0
0 trans-1,2-Dichloroethene	50.0000	42.7361	14.5	50.0
0 trans-1,3-Dichloropropene	50.0000	35.5309	28.9	50.0
0 cis-1,3-Dichloropropene	50.0000	37.5851	24.8	50.0
0 Chloroform	50.0000	44.2438	11.5	20.0
0 Toluene	50.0000	42.5024	15.0	20.0
0 2-Butanone	100.0000	66.4077	33.6	50.0
0 1,2-Dichloroethene (total)	100.0000	84.3179	15.7	50.0
0 cis-1,2-dichloroethene	50.0000	41.5818	16.8	50.0
0 4-Methyl-2-pentanone	100.0000	83.2268	16.8	50.0
0 1,2-Dichloroethane	50.0000	44.6829	10.6	50.0
0 Trichloroethene	50.0000	43.5903	12.8	50.0
0 1,1,1-Trichloroethane	50.0000	42.7932	14.4	50.0
0 Carbon Tetrachloride	50.0000	38.4149	23.2	50.0
0 Benzene	50.0000	41.6662	16.7	50.0
38 Dichlorodifluoromethane	50.0000	67.2903	34.6	50.0
39 Trichlorofluoromethane	50.0000	56.7993	13.6	50.0

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40721A.b/UX77889.D
Report Date: 07/21/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77889.D
Analysis Type: WATER

Injection Date: 21-JUL-2004 09:32
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	463.6509	7.3	50.0	
41 Acrylonitrile	500.0000	476.4800	4.7	50.0	
42 Vinyl acetate	50.0000	41.7400	16.5	50.0	
43 2-Chloroethyl vinyl ether	100.0000	66.7460	33.3	50.0	
47 Freon-113	50.0000	49.9508	0.1	50.0	
48 1,3-Dichlorobenzene	50.0000	41.0896	17.8	50.0	
49 1,4-Dichlorobenzene	50.0000	41.9435	16.1	50.0	
50 1,2-Dichlorobenzene	50.0000	41.6110	16.8	50.0	
51 Acetonitrile	500.0000	493.4752	1.3	50.0	
52 Iodomethane	50.0000	42.8868	14.2	50.0	
59 1,4-Dioxane	2500.0000	1789.6569	28.4	50.0	
60 Dibromomethane	50.0000	44.5224	11.0	50.0	
62 Ethyl Methacrylate	50.0000	35.6312	28.7	50.0	
63 1,2-Dibromoethane	50.0000	41.3715	17.3	50.0	
64 1,1,1,2-Tetrachloroethane	50.0000	36.3876	27.2	50.0	
65 1,2,3-Trichloropropane	50.0000	41.4479	17.1	50.0	
66 1,4-Dichloro-2-butene	50.0000	15.0479	69.9	50.0	<-
69 1,2-Dibromo-3-chloropropane	50.0000	30.5637	38.9	50.0	
82 Methyl tert-butyl ether	50.0000	31.3968	37.2	50.0	
84 Tetrahydrofuran	50.0000	41.7914	16.4	50.0	
98 2,2-Dichloropropane	50.0000	38.6038	22.8	50.0	
99 1,1-Dichloropropene	50.0000	43.2005	13.6	50.0	
100 1,3-Dichloropropane	50.0000	43.1036	13.8	50.0	
102 Bromobenzene	50.0000	41.6584	16.7	50.0	
103 2-Chlorotoluene	50.0000	41.0477	17.9	50.0	
104 n-Propylbenzene	50.0000	41.0684	17.9	50.0	
105 4-Chlorotoluene	50.0000	40.9430	18.1	50.0	
106 1,3,5-Trimethylbenzene	50.0000	40.7032	18.6	50.0	
107 tert-Butylbenzene	50.0000	40.5496	18.9	50.0	
108 1,2,4-Trimethylbenzene	50.0000	41.1520	17.7	50.0	
109 sec-Butylbenzene	50.0000	40.3651	19.3	50.0	
110 4-Isopropyltoluene	50.0000	41.0094	18.0	50.0	
111 n-Butylbenzene	50.0000	39.5776	20.8	50.0	
112 1,2,4-Trichlorobenzene	50.0000	37.1913	25.6	50.0	
113 Naphthalene	50.0000	34.9475	30.1	50.0	
114 Hexachlorobutadiene	50.0000	38.5318	22.9	50.0	
115 1,2,3-Trichlorobenzene	50.0000	38.6003	22.8	50.0	
124 tert-Butyl Alcohol	1000.0000	606.1313	39.4	50.0	

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40721A.b/UX77889.D
Report Date: 07/21/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77889.D
Analysis Type: WATER

Injection Date: 21-JUL-2004 09:32
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	44.7396	10.5	20.0
127 Cyclohexane	50.0000	45.3714	9.3	50.0
128 Isopropylbenzene	50.0000	40.8212	18.4	50.0
130 Fluorobenzene	50.0000	50.0000	0.0	50.0
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0
133 Bromochloromethane	50.0000	43.2132	13.6	50.0
141 1,3,5-Trichlorobenzene	50.0000	40.3463	19.3	50.0
143 Methyl Acetate	100.0000	86.9091	13.1	50.0
144 Methylcyclohexane	50.0000	43.8834	12.2	50.0
22 Toluene-d8	50.0000	46.1525	7.7	50.0
32 Bromofluorobenzene	50.0000	42.9537	14.1	50.0
47 1,2-Dichloroethane-d4	50.0000	47.9346	4.1	50.0
131 Dibromofluoromethane	50.0000	46.0914	7.8	50.0

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40721A.b\UX77889.D
Report Date: 21-Jul-2004 09:49

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX77889.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40721A.b\N8260UX7-3.m

Injection Date: 21-JUL-2004 09:32
Init. Cal. Date(s): 20-APR-2004 15-JUL-2004
Init. Cal. Times: 14:54 14:56
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
$	4 Dibromofluoromethane	0.22051	0.20327	0.010	-7.8	50.0
$	5 1,2-Dichloroethane-d4	0.33512	0.32128	0.010	-4.1	50.0
$	6 Toluene-d8	1.35384	1.24966	0.010	-7.7	50.0
$	7 Bromofluorobenzene	0.52272	0.44906	0.010	-14.1	50.0
	8 Dichlorodifluoromethane	50.00000	67.29029	0.010	-34.6	50.0
	9 Chloromethane	0.40291	0.39474	0.100	-2.0	50.0
	10 Vinyl Chloride	0.34666	0.34876	0.010	0.6	20.0
	11 Bromomethane	50.00000	56.48509	0.010	-13.0	50.0
	12 Chloroethane	0.23482	0.23278	0.010	-0.9	50.0
	13 Trichlorofluoromethane	0.31011	0.35228	0.010	13.6	50.0
	15 Acrolein	0.05308	0.04923	0.010	-7.3	50.0
	16 Acetone	100	61.57063	0.010	38.4	50.0
	17 1,1-Dichloroethene	0.23952	0.21142	0.010	-11.7	20.0
	18 Freon-113	0.14142	0.14128	0.010	-0.1	50.0
	19 Iodomethane	0.33892	0.29070	0.010	-14.2	50.0
	20 Carbon Disulfide	0.84365	0.80128	0.010	-5.0	50.0
	21 Methylene Chloride	50.00000	40.05601	0.010	19.9	50.0
	22 Acetonitrile	0.03928	0.03877	0.010	-1.3	50.0
	23 Acrylonitrile	0.12101	0.11532	0.010	-4.7	50.0
	24 Methyl tert-butyl ether	1.14234	0.71732	0.010	-37.2	50.0
	25 trans-1,2-Dichloroethene	0.28049	0.23974	0.010	-14.5	50.0
	26 Hexane	50.00000	44.73964	0.010	10.5	20.0
	27 Vinyl acetate	0.64642	0.53963	0.010	-16.5	50.0
	28 1,1-Dichloroethane	0.54198	0.46459	0.100	-14.3	50.0
	29 tert-Butyl Alcohol	0.03283	0.01990	0.010	-39.4	50.0
	30 2-Butanone	0.19260	0.12790	0.010	-33.6	50.0
M	31 1,2-Dichloroethene (total)	0.28993	0.24436	0.010	-15.7	50.0
	32 cis-1,2-dichloroethene	0.29938	0.24897	0.010	-16.8	50.0
	33 2,2-Dichloropropane	0.44332	0.34228	0.010	-22.8	50.0
	34 Bromochloromethane	0.12477	0.10784	0.010	-13.6	50.0
	35 Chloroform	0.48803	0.43185	0.010	-11.5	20.0
	36 Tetrahydrofuran	50.00000	41.79139	0.010	16.4	50.0
	37 1,1,1-Trichloroethane	0.43251	0.37017	0.010	-14.4	50.0
	38 1,1-Dichloropropene	0.36604	0.31626	0.010	-13.6	50.0
	39 Carbon Tetrachloride	0.32490	0.24962	0.010	-23.2	50.0
	40 1,2-Dichloroethane	0.43035	0.38459	0.010	-10.6	50.0

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40721A.b\UX77889.D
Report Date: 21-Jul-2004 09:49

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 21-JUL-2004 09:32
Lab File ID: UX77889.D Init. Cal. Date(s): 20-APR-2004 15-JUL-2004
Analysis Type: WATER Init. Cal. Times: 14:54 14:56
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40721A.b\N8260UX7-3.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	1.21950	1.01624	0.010	-16.7	50.0	
	42 Trichloroethene	0.26222	0.22861	0.010	-12.8	50.0	
	43 1,2-Dichloropropane	0.31816	0.26636	0.010	-16.3	20.0	
	44 1,4-Dioxane	0.00276	0.00198	0.010	-28.4	50.0	<-
	45 Dibromomethane	0.15963	0.14214	0.010	-11.0	50.0	
	46 Bromodichloromethane	0.38550	0.30925	0.010	-19.8	50.0	
	47 2-Chloroethyl vinyl ether	0.19258	0.12854	0.010	-33.3	50.0	
	48 cis-1,3-Dichloropropene	0.49455	0.37176	0.010	-24.8	50.0	
	49 4-Methyl-2-pentanone	0.32162	0.26767	0.010	-16.8	50.0	
	50 Toluene	1.79618	1.52684	0.010	-15.0	20.0	
	51 trans-1,3-Dichloropropene	0.67763	0.48153	0.010	-28.9	50.0	
	52 Ethyl Methacrylate	0.63608	0.45329	0.010	-28.7	50.0	
	53 1,1,2-Trichloroethane	0.35880	0.30911	0.010	-13.9	50.0	
	54 1,3-Dichloropropane	0.66712	0.57510	0.010	-13.8	50.0	
	55 Tetrachloroethene	0.24300	0.21330	0.010	-12.2	50.0	
	56 2-Hexanone	0.40089	0.26848	0.010	-33.0	50.0	
	57 Dibromochloromethane	0.36683	0.25578	0.010	-30.3	50.0	
	58 1,2-Dibromoethane	0.34804	0.28798	0.010	-17.3	50.0	
	59 Chlorobenzene	1.05376	0.89423	0.300	-15.1	50.0	
	60 1,1,1,2-Tetrachloroethane	0.36786	0.26771	0.010	-27.2	50.0	
	61 Ethylbenzene	0.55267	0.46996	0.010	-15.0	20.0	
	62 m + p-Xylene	0.67215	0.57237	0.010	-14.8	50.0	
M	63 Xylenes (total)	0.66975	0.56673	0.010	-15.4	50.0	
	64 Xylene-o	0.66495	0.55546	0.010	-16.5	50.0	
	65 Styrene	1.19483	0.99313	0.010	-16.9	50.0	
	66 Bromoform	0.22590	0.12663	0.100	-43.9	50.0	
	67 Isopropylbenzene	1.43669	1.17295	0.010	-18.4	50.0	
	68 1,1,2,2-Tetrachloroethane	1.12904	0.89305	0.300	-20.9	50.0	
	69 1,4-Dichloro-2-butene	0.41455	0.12476	0.010	-69.9	50.0	<-
	70 1,2,3-Trichloropropane	0.34541	0.28633	0.010	-17.1	50.0	
	71 Bromobenzene	0.88311	0.73578	0.010	-16.7	50.0	
	72 n-Propylbenzene	0.86474	0.71027	0.010	-17.9	50.0	
	73 2-Chlorotoluene	0.82129	0.67424	0.010	-17.9	50.0	
	74 1,3,5-Trimethylbenzene	2.85254	2.32215	0.010	-18.6	50.0	
	75 4-Chlorotoluene	0.85884	0.70327	0.010	-18.1	50.0	
	76 tert-Butylbenzene	2.22066	1.80094	0.010	-18.9	50.0	

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40721A.b\UX77889.D
Report Date: 21-Jul-2004 09:49

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

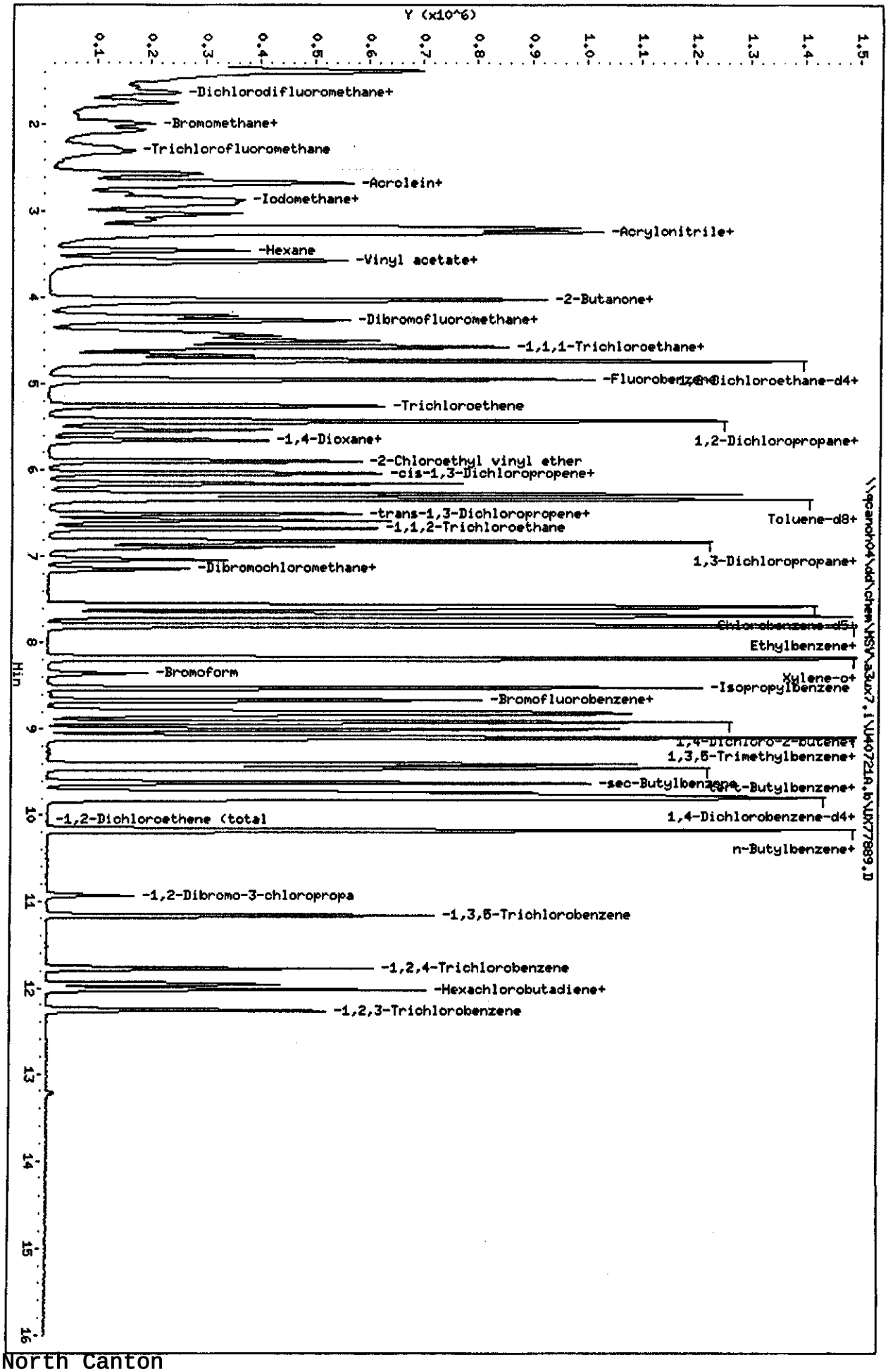
Instrument ID: a3ux7.i
Lab File ID: UX77889.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40721A.b\N8260UX7-3.m

Injection Date: 21-JUL-2004 09:32
Init. Cal. Date(s): 20-APR-2004 15-JUL-2004
Init. Cal. Times: 14:54 14:56
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	2.97342	2.44725	0.010	-17.7	50.0
78 sec-Butylbenzene	3.18684	2.57274	0.010	-19.3	50.0
79 4-Isopropyltoluene	2.52769	2.07318	0.010	-18.0	50.0
80 1,3-Dichlorobenzene	1.51997	1.24910	0.010	-17.8	50.0
81 1,4-Dichlorobenzene	1.58758	1.33178	0.010	-16.1	50.0
82 n-Butylbenzene	2.46632	1.95222	0.010	-20.8	50.0
83 1,2-Dichlorobenzene	1.52040	1.26531	0.010	-16.8	50.0
84 1,2-Dibromo-3-chloropropane	0.21385	0.13072	0.010	-38.9	50.0
85 1,2,4-Trichlorobenzene	0.84310	0.62712	0.010	-25.6	50.0
86 Hexachlorobutadiene	0.32128	0.24759	0.010	-22.9	50.0
87 Naphthalene	2.68504	1.87671	0.010	-30.1	50.0
88 1,2,3-Trichlorobenzene	0.71963	0.55556	0.010	-22.8	50.0
98 Cyclohexane	0.45260	0.41070	0.010	-9.3	50.0
143 Methyl Acetate	0.22082	0.19191	0.010	-13.1	50.0
144 Methylcyclohexane	0.32618	0.28628	0.010	-12.2	50.0
141 1,3,5-Trichlorobenzene	0.87717	0.70781	0.010	-19.3	50.0

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40721A.b\UX77889.D
Date : 21-JUL-2004 09:32
Client ID:
Sample Info: 50NG-CC
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\U40721A.b\UX77889.D
Report Date: 21-Jul-2004 13:46

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77889.D
Lab Smp Id: 50NG-CC
Inj Date : 21-JUL-2004 09:32
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NG-CC
Misc Info : U40721A,N8260UX7-3,1-8260.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\N8260UX7-3.m
Meth Date : 21-Jul-2004 13:46 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	4.951	4.951	(1.000)	1078669	50.0000	
* 2 Chlorobenzene-d5	117	7.566	7.566	(1.000)	737776	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	322354	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.395	(0.888)	219260	50.0000	46.091
$ 5 1,2-Dichloroethane-d4	65	4.667	4.667	(0.943)	346549	50.0000	47.934
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	921969	50.0000	46.152
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	331302	50.0000	42.954
8 Dichlorodifluoromethane	85	1.591	1.591	(0.321)	264742	50.0000	67.290
9 Chloromethane	50	1.638	1.638	(0.331)	425797	50.0000	48.987
10 Vinyl Chloride	62	1.745	1.745	(0.352)	376199	50.0000	50.303
11 Bromomethane	94	1.993	1.993	(0.403)	213583	50.0000	56.485
12 Chloroethane	64	2.076	2.076	(0.419)	251096	50.0000	49.567
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	379995	50.0000	56.799
15 Acrolein	56	2.573	2.573	(0.520)	530975	500.000	463.65
16 Acetone	43	2.680	2.680	(0.541)	203481	100.000	61.570
17 1,1-Dichloroethene	96	2.668	2.668	(0.539)	228051	50.0000	44.134
18 Freon-113	151	2.691	2.691	(0.544)	152395	50.0000	49.951

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77889.D
Report Date: 21-Jul-2004 13:46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.798	2.798	(0.565)	313572	50.0000	42.887
	20 Carbon Disulfide	76	2.869	2.869	(0.579)	864316	50.0000	47.489
	21 Methylene Chloride	84	3.035	3.035	(0.613)	269604	50.0000	40.056
	22 Acetonitrile	41	2.893	2.893	(0.584)	418147	500.000	493.48
	23 Acrylonitrile	53	3.200	3.200	(0.646)	1243898	500.000	476.48
	24 Methyl tert-butyl ether	73	3.259	3.259	(0.658)	773747	50.0000	31.397
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	258601	50.0000	42.736
	26 Hexane	86	3.461	3.461	(0.699)	43071	50.0000	44.739
	27 Vinyl acetate	43	3.591	3.591	(0.725)	582087	50.0000	41.740
	28 1,1-Dichloroethane	63	3.567	3.567	(0.720)	501138	50.0000	42.860
	29 tert-Butyl Alcohol	59	3.117	3.117	(0.630)	429292	1000.00	606.13
	30 2-Butanone	43	4.017	4.017	(0.811)	275929	100.000	66.408
M	31 1,2-Dichloroethene (total)	96				527159	100.000	84.318
	32 cis-1,2-dichloroethene	96	4.028	4.028	(0.814)	268558	50.0000	41.582
	33 2,2-Dichloropropane	77	4.040	4.040	(0.816)	369203	50.0000	38.604
	34 Bromochloromethane	128	4.218	4.218	(0.852)	116321	50.0000	43.213
	35 Chloroform	83	4.265	4.265	(0.861)	465823	50.0000	44.244
	36 Tetrahydrofuran	42	4.253	4.253	(0.859)	84335	50.0000	41.791
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	399292	50.0000	42.793
	38 1,1-Dichloropropene	75	4.561	4.561	(0.921)	341144	50.0000	43.200
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	269255	50.0000	38.415
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	414844	50.0000	44.683
	41 Benzene	78	4.727	4.727	(0.955)	1096182	50.0000	41.666
	42 Trichloroethene	130	5.259	5.259	(1.062)	246592	50.0000	43.590
	43 1,2-Dichloropropane	63	5.437	5.437	(1.098)	287316	50.0000	41.859
	44 1,4-Dioxane	88	5.543	5.543	(1.119)	106557	2500.00	1789.6(A)
	45 Dibromomethane	93	5.531	5.531	(1.117)	153320	50.0000	44.522
	46 Bromodichloromethane	83	5.650	5.650	(1.141)	333575	50.0000	40.110
	47 2-Chloroethyl vinyl ether	63	5.898	5.898	(1.191)	277297	100.000	66.746
	48 cis-1,3-Dichloropropene	75	6.040	6.040	(1.220)	401001	50.0000	37.585
	49 4-Methyl-2-pentanone	43	6.158	6.158	(1.244)	577460	100.000	83.227
	50 Toluene	91	6.336	6.336	(0.837)	1126468	50.0000	42.502
	51 trans-1,3-Dichloropropene	75	6.513	6.513	(0.861)	355264	50.0000	35.531
	52 Ethyl Methacrylate	69	6.584	6.584	(0.870)	334424	50.0000	35.631
	53 1,1,2-Trichloroethane	97	6.679	6.679	(0.883)	228051	50.0000	43.074
	54 1,3-Dichloropropane	76	6.821	6.821	(0.901)	424297	50.0000	43.104
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	157365	50.0000	43.888
	56 2-Hexanone	43	6.892	6.892	(0.911)	396157	100.000	66.971
	57 Dibromochloromethane	129	7.034	7.034	(0.930)	188710	50.0000	34.864
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	212465	50.0000	41.371
	59 Chlorobenzene	112	7.602	7.602	(1.005)	659742	50.0000	42.430
	60 1,1,1,2-Tetrachloroethane	131	7.661	7.661	(1.013)	197510	50.0000	36.388
	61 Ethylbenzene	106	7.697	7.697	(1.017)	346722	50.0000	42.517
	62 m + p-Xylene	106	7.803	7.803	(1.031)	844560	100.000	85.155
M	63 Xylenes (total)	106				1254363	150.000	126.92
	64 Xylene-o	106	8.170	8.170	(1.080)	409803	50.0000	41.767
	65 Styrene	104	8.182	8.182	(1.081)	732708	50.0000	41.559

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77889.D
Report Date: 21-Jul-2004 13:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.359	8.359	(1.105)	93425	50.0000	28.028
67 Isopropylbenzene	105	8.525	8.525	(1.127)	865373	50.0000	40.821
68 1,1,2,2-Tetrachloroethane	83	8.785	8.785	(0.897)	287877	50.0000	39.549
69 1,4-Dichloro-2-butene	53	8.844	8.844	(0.903)	40217	50.0000	15.048
70 1,2,3-Trichloropropane	110	8.833	8.833	(0.902)	92299	50.0000	41.448
71 Bromobenzene	156	8.821	8.821	(0.901)	237181	50.0000	41.658
72 n-Propylbenzene	120	8.915	8.915	(0.911)	228958	50.0000	41.068
73 2-Chlorotoluene	126	8.998	8.998	(0.919)	217345	50.0000	41.048
74 1,3,5-Trimethylbenzene	105	9.093	9.093	(0.929)	748553	50.0000	40.703
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	226702	50.0000	40.943
76 tert-Butylbenzene	119	9.401	9.401	(0.960)	580540	50.0000	40.550
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	788880	50.0000	41.152
78 sec-Butylbenzene	105	9.625	9.625	(0.983)	829333	50.0000	40.365
79 4-Isopropyltoluene	119	9.767	9.767	(0.998)	668298	50.0000	41.009
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	402651	50.0000	41.090
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	429304	50.0000	41.944
82 n-Butylbenzene	91	10.170	10.170	(1.039)	629307	50.0000	39.578
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	407877	50.0000	41.611
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	42137	50.0000	30.563
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	202154	50.0000	37.191
86 Hexachlorobutadiene	225	11.956	11.956	(1.221)	79811	50.0000	38.531
87 Naphthalene	128	12.016	12.016	(1.227)	604964	50.0000	34.947
88 1,2,3-Trichlorobenzene	180	12.264	12.264	(1.253)	179086	50.0000	38.600
98 Cyclohexane	56	4.502	4.502	(0.909)	443008	50.0000	45.371
143 Methyl Acetate	43	2.928	2.928	(0.591)	414019	100.000	86.909
144 Methylcyclohexane	83	5.437	5.437	(1.098)	308796	50.0000	43.883
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	228166	50.0000	40.346

QC Flag Legend

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

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40721A.b\UX77888.D
Report Date: 21-Jul-2004 09:25

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 21-JUL-2004 09:08
Lab File ID: UX77888.D Init. Cal. Date(s): 20-APR-2004 15-JUL-2004
Analysis Type: WATER Init. Cal. Times: 14:54 14:56
Lab Sample ID: 50NGA9-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40721A.b\N8260UX7-3.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
14 Dichlorofluoromethane	50.00000	59.69915	0.010	-19.4	50.0	
89 Ethyl Ether	0.24011	0.25598	0.010	6.6	50.0	
91 3-Chloropropene	0.14759	0.17851	0.010	21.0	50.0	
92 Isopropyl Ether	0.23826	0.26068	0.010	9.4	50.0	
93 2-Chloro-1,3-butadiene	0.46000	0.52410	0.010	13.9	50.0	
94 Propionitrile	0.04491	0.04188	0.010	-6.7	50.0	
95 Ethyl Acetate	0.28472	0.26873	0.010	-5.6	50.0	
96 Methacrylonitrile	0.18831	0.18724	0.010	-0.6	50.0	
97 Isobutanol	0.01336	0.00929	0.010	-30.5	50.0	<-
99 n-Butanol	0.01262	0.00683	0.010	-45.9	50.0	<-
100 Methyl Methacrylate	0.27282	0.25586	0.010	-6.2	50.0	
101 2-Nitropropane	0.08400	0.04996	0.010	-40.5	50.0	
103 Cyclohexanone	0.12862	0.02575	0.010	-80.0	50.0	<-
146 2-Methylnaphthalene	100	52.40122	0.010	47.6	50.0	

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40721A.b/UX77888.D
Report Date: 07/21/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77888.D
Analysis Type: WATER

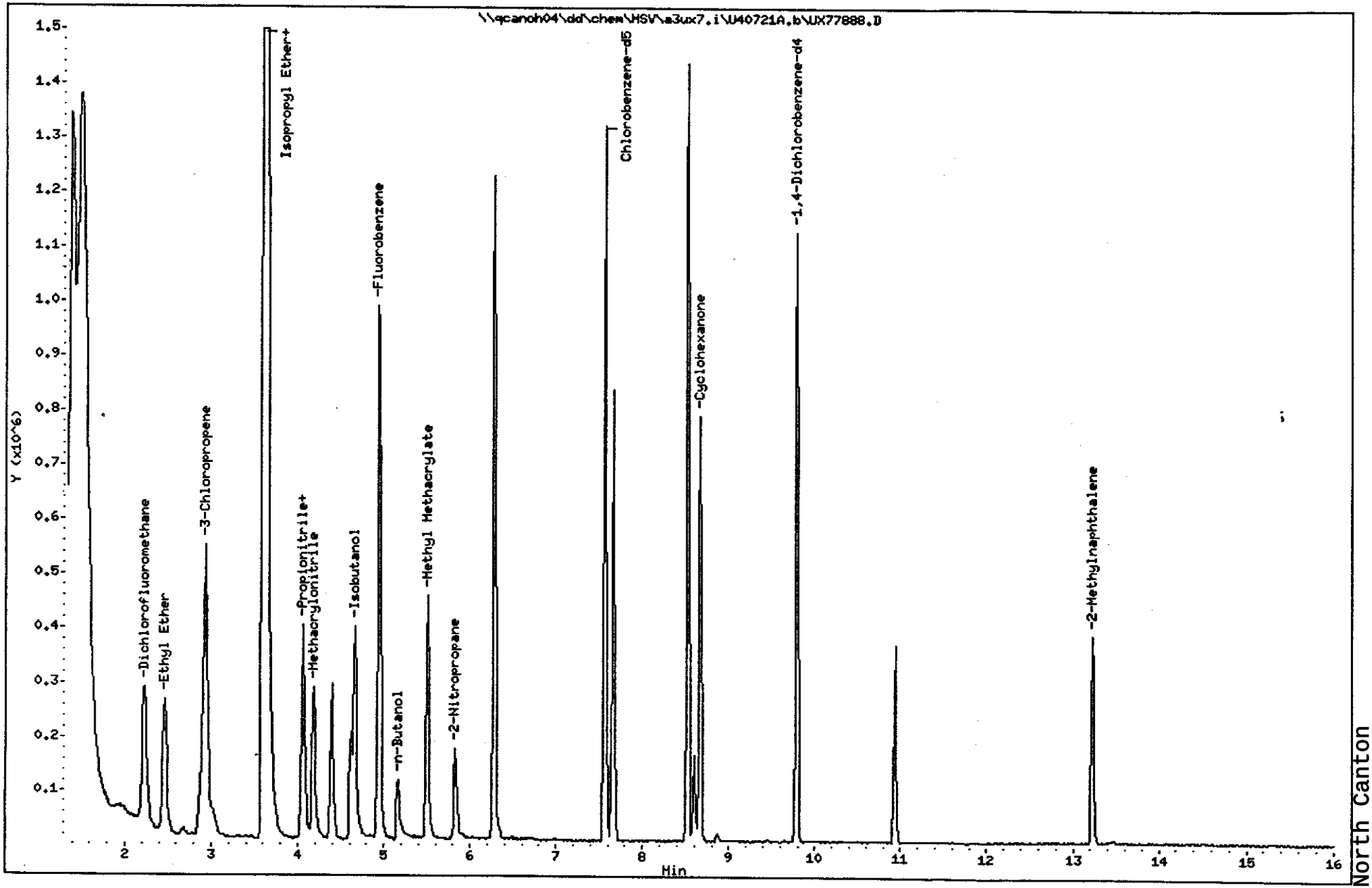
Injection Date: 21-JUL-2004 09:08
Lab Sample ID: 50NGA9-CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40721A.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
53 3-Chloropropene	50.0000	60.4761	21.0	50.0	
54 2-Chloro-1,3-butadiene	50.0000	56.9667	13.9	50.0	
55 Propionitrile	100.0000	93.2536	6.7	50.0	
56 Methacrylonitrile	50.0000	49.7178	0.6	50.0	
57 Isobutanol	1000.0000	694.8347	30.5	50.0	
58 Methyl Methacrylate	50.0000	46.8924	6.2	50.0	
73 n-Butanol	1000.0000	540.8961	45.9	50.0	
74 Ethyl Acetate	100.0000	94.3848	5.6	50.0	
75 Cyclohexanone	500.0000	100.0861	80.0	50.0	<-
76 Ethyl Ether	50.0000	53.3060	6.6	50.0	
85 Dichlorofluoromethane	50.0000	59.6992	19.4	50.0	
86 2-Nitropropane	100.0000	59.4717	40.5	50.0	
126 Isopropyl Ether	250.0000	273.5299	9.4	50.0	
130 Fluorobenzene	50.0000	50.0000	0.0	50.0	
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
146 2-Methylnaphthalene	100.0000	52.4012	47.6	50.0	

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40721A.b\UX77888.D
Date : 21-JUL-2004 09:08
Client ID:
Sample Info: 50NGA9-CC
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\U40721A.b\UX77888.D
Report Date: 21-Jul-2004 13:45

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77888.D
Lab Smp Id: 50NGA9-CC
Inj Date : 21-JUL-2004 09:08
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NGA9-CC
Misc Info : U40721A,N8260UX7-3,3-IX.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\N8260UX7-3.m
Meth Date : 21-Jul-2004 13:45 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-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	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.953	4.953	(1.000)	1085309	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.568	(1.000)	743734	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	306845	50.0000	
14 Dichlorofluoromethane	67	2.231	2.231	(0.451)	555699	50.0000	59.699
89 Ethyl Ether	59	2.468	2.468	(0.498)	277819	50.0000	53.306
91 3-Chloropropene	76	2.941	2.941	(0.594)	193738	50.0000	60.476
92 Isopropyl Ether	87	3.616	3.616	(0.730)	1414605	250.000	273.53(A)
93 2-Chloro-1,3-butadiene	53	3.639	3.639	(0.735)	568806	50.0000	56.967
94 Propionitrile	54	4.053	4.053	(0.818)	90914	100.000	93.254
95 Ethyl Acetate	43	4.053	4.053	(0.818)	583313	100.000	94.385
96 Methacrylonitrile	41	4.184	4.184	(0.845)	203216	50.0000	49.718
97 Isobutanol	41	4.621	4.621	(0.611)	138122	1000.00	694.83(A)
99 n-Butanol	56	5.166	5.166	(0.683)	101556	1000.00	540.89(A)
100 Methyl Methacrylate	41	5.509	5.509	(1.112)	277692	50.0000	46.892
101 2-Nitropropane	41	5.828	5.828	(1.177)	108438	100.000	59.472
103 Cyclohexanone	55	8.597	8.597	(0.878)	79002	500.000	100.08
146 2-Methylnaphthalene	142	13.224	13.224	(1.350)	240595	100.000	52.401

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77888.D
Report Date: 21-Jul-2004 13:45

QC Flag Legend

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

Report Date: 02-Jul-2004 08:25

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Start Cal Date: 20-MAY-2004 10:38
End Cal Date : 01-JUL-2004 17:15
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
01-JUL-2004 14:58	3-IX	UXJ21964.D
01-JUL-2004 17:15	2-8260	UXJ21970.D
Cal Level: 2 , Cal Amount: 10.000		
01-JUL-2004 14:36	3-IX	UXJ21963.D
01-JUL-2004 16:52	2-8260	UXJ21969.D
Cal Level: 3 , Cal Amount: 25.000		
01-JUL-2004 14:13	3-IX	UXJ21962.D
01-JUL-2004 16:29	2-8260	UXJ21968.D
Cal Level: 4 , Cal Amount: 50.000		
01-JUL-2004 13:51	3-IX	UXJ21961.D
01-JUL-2004 16:07	2-8260	UXJ21967.D
Cal Level: 5 , Cal Amount: 100.00		
01-JUL-2004 13:28	3-IX	UXJ21960.D
01-JUL-2004 15:44	2-8260	UXJ21966.D
Cal Level: 6 , Cal Amount: 200.00		
01-JUL-2004 13:05	3-IX	UXJ21959.D
01-JUL-2004 15:21	2-8260	UXJ21965.D

Continuing Calibration

01-JUL-2004 16:07	2-8260	UXJ21967.D
01-JUL-2004 13:51	3-IX	UXJ21961.D
~~01-JUL-2004 11:12~~	~~2-8260~~	~~UXJ21954.D~~ 7/2/04

Report Date : 02-Jul-2004 08:21

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2004 10:38
End Cal Date : 01-JUL-2004 17:15
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Cal Date : 01-Jul-2004 17:22 tapsvc
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21964.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21963.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21962.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21961.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21960.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21959.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	0.25807	0.28404	0.28624	0.29604	0.29133	0.28864	0.28406	4.717
9 Chloromethane	0.41734	0.38537	0.37088	0.36998	0.37585	0.36354	0.38049	5.114
10 Vinyl Chloride	0.33021	0.33302	0.34044	0.34616	0.33528	0.33003	0.33586	1.890
11 Bromomethane	0.18259	0.15784	0.14305	0.14523	0.12967	0.12263	0.14683	14.597
12 Chloroethane	0.20637	0.21806	0.21000	0.20852	0.20652	0.19527	0.20746	3.546
13 Trichlorofluoromethane	0.28363	0.29227	0.29443	0.30674	0.32498	0.31985	0.30365	5.395
14 Dichlorofluoromethane	0.40985	0.39145	0.38770	0.42423	0.39675	0.41525	0.40420	3.577
15 Acrolein	0.04304	0.04358	0.04442	0.04352	0.04429	0.04315	0.04367	1.313
16 Acetone	0.13071	0.11865	0.10989	0.10754	0.10929	0.11642	0.11542	7.509
17 1,1-Dichloroethene	0.25150	0.25245	0.23268	0.24584	0.24735	0.24261	0.24541	2.941
18 Freon-113	0.16575	0.15325	0.16901	0.17663	0.18262	0.18051	0.17129	6.413
19 Iodomethane	0.31013	0.32303	0.31966	0.31870	0.32438	0.31255	0.31807	1.783
20 Carbon Disulfide	0.86873	0.84226	0.86840	0.86483	0.87756	0.87035	0.86536	1.394
21 Methylene Chloride	0.50372	0.38818	0.32096	0.28761	0.27961	0.26363	0.34062	26.815
22 Acetonitrile	0.03469	0.03446	0.03472	0.03433	0.03514	0.03372	0.03451	1.380
23 Acrylonitrile	0.10009	0.10040	0.10164	0.09963	0.10115	0.09968	0.10043	0.811
24 Methyl tert-butyl ether	0.60152	0.61519	0.63513	0.64659	0.65508	0.64564	0.63319	3.271
25 trans-1,2-Dichloroethene	0.27310	0.25948	0.26274	0.25800	0.26108	0.25641	0.26180	2.279
26 Hexane	0.05058	0.04873	0.05266	0.05606	0.05783	0.05777	0.05394	7.147
27 Vinyl acetate	0.43606	0.46472	0.48286	0.47754	0.51181	0.51077	0.48063	5.984
28 1,1-Dichloroethane	0.45294	0.47874	0.45948	0.46793	0.46610	0.46158	0.46446	1.888
29 tert-Butyl Alcohol	0.01704	0.01753	0.01690	0.01762	0.01859	0.01839	0.01768	3.898
30 2-Butanone	0.15182	0.13376	0.14089	0.13638	0.14493	0.14658	0.14240	4.719
M 31 1,2-Dichloroethene (total)	0.27195	0.26407	0.26560	0.26298	0.26589	0.26069	0.26520	1.439
32 cis-1,2-dichloroethene	0.27080	0.26865	0.26846	0.26797	0.27069	0.26496	0.26859	0.796

Report Date : 02-Jul-2004 08:21

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2004 10:38
End Cal Date : 01-JUL-2004 17:15
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Cal Date : 01-Jul-2004 17:22 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	0.19795	0.19616	0.19361	0.20692	0.20577	0.20688	0.20121	2.978	
	34 Bromochloromethane	0.11705	0.12069	0.12579	0.11934	0.12362	0.12069	0.12119	2.559	
	35 Chloroform	0.46241	0.43836	0.42930	0.43484	0.42819	0.41988	0.43550	3.357	
	36 Tetrahydrofuran	0.08118	0.07985	0.07666	0.07482	0.07662	0.07500	0.07736	3.364	
	37 1,1,1-Trichloroethane	0.31098	0.30108	0.31121	0.30935	0.31908	0.31628	0.31133	1.999	
	38 1,1-Dichloropropene	0.33478	0.32609	0.34430	0.34658	0.35919	0.34819	0.34319	3.339	
	39 Carbon Tetrachloride	0.22269	0.21992	0.23603	0.24504	0.25831	0.25758	0.23993	6.945	
	40 1,2-Dichloroethane	0.34075	0.33227	0.33506	0.33076	0.32911	0.32588	0.33231	1.551	
	41 Benzene	1.18581	1.17926	1.12058	1.12191	1.13518	1.11127	1.14234	2.812	
	42 Trichloroethene	0.26650	0.26484	0.26190	0.26531	0.27178	0.26382	0.26569	1.265	
	43 1,2-Dichloropropane	0.27493	0.28226	0.28831	0.27797	0.28412	0.27477	0.28039	1.937	
	44 1,4-Dioxane	0.00239	0.00257	0.00259	0.00285	0.00293	0.00294	0.00271	8.318	<-
	45 Dibromomethane	0.14783	0.15705	0.14712	0.14704	0.14511	0.14426	0.14807	3.108	
	46 Bromodichloromethane	0.31386	0.30056	0.30231	0.30953	0.31842	0.31466	0.30989	2.308	
	47 2-Chloroethyl vinyl ether	0.12485	0.13179	0.15104	0.14769	0.15478	0.15791	0.14468	9.200	
	48 cis-1,3-Dichloropropene	0.37552	0.40027	0.41035	0.41534	0.42729	0.43413	0.41048	5.101	
	49 4-Methyl-2-pentanone	0.22770	0.23001	0.23602	0.24151	0.25724	0.26612	0.24310	6.350	
	50 Toluene	1.48362	1.48867	1.51757	1.54539	1.54096	1.52102	1.51621	1.697	
	51 trans-1,3-Dichloropropene	0.42994	0.44029	0.45868	0.47479	0.48848	0.50855	0.46679	6.358	
	52 Ethyl Methacrylate	0.41050	0.42404	0.43553	0.46909	0.49312	0.50271	0.45583	8.348	
	53 1,1,2-Trichloroethane	0.31598	0.30901	0.30326	0.30043	0.30341	0.30260	0.30578	1.880	
	54 1,3-Dichloropropane	0.56961	0.54719	0.56393	0.57907	0.56546	0.56491	0.56503	1.836	
	55 Tetrachloroethene	0.27340	0.24829	0.25796	0.25494	0.25526	0.25475	0.25743	3.282	
	56 2-Hexanone	0.20851	0.21555	0.24369	0.24948	0.26702	0.28119	0.24424	11.597	
	57 Dibromochloromethane	0.26162	0.25852	0.26136	0.27779	0.28572	0.29030	0.27255	5.077	
	58 1,2-Dibromoethane	0.29831	0.30061	0.29850	0.30346	0.30399	0.30638	0.30187	1.078	
	59 Chlorobenzene	0.98915	0.95371	0.95988	0.98996	0.96194	0.96856	0.97053	1.595	
	60 1,1,1,2-Tetrachloroethane	0.28328	0.30245	0.30405	0.30392	0.31214	0.31698	0.30380	3.799	
	61 Ethylbenzene	0.46218	0.48562	0.51479	0.52375	0.52603	0.53181	0.50736	5.422	
	62 m + p-Xylene	0.60184	0.60145	0.63698	0.67951	0.66460	0.67219	0.64276	5.438	
M	63 Xylenes (total)	0.60203	0.60123	0.62951	0.67128	0.66012	0.66850	0.63878	5.069	
	64 Xylene-o	0.60240	0.60077	0.61456	0.65481	0.65116	0.66110	0.63080	4.417	
	65 Styrene	0.98830	1.03124	1.10954	1.17161	1.17366	1.18729	1.11027	7.518	

Report Date : 02-Jul-2004 08:21

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2004 10:38
End Cal Date : 01-JUL-2004 17:15
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Cal Date : 01-Jul-2004 17:22 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	0.15814	0.15357	0.16425	0.18252	0.18341	0.19687	0.17313	9.814	
67 Isopropylbenzene	1.30530	1.37182	1.42836	1.51705	1.52098	1.57414	1.45294	7.046	
68 1,1,2,2-Tetrachloroethane	0.77119	0.76659	0.72770	0.75282	0.76816	0.73500	0.75358	2.453	
69 1,4-Dichloro-2-butene	0.17216	0.18957	0.18254	0.19870	0.21251	0.21467	0.19503	8.620	
70 1,2,3-Trichloropropane	0.25030	0.24634	0.23170	0.23132	0.23960	0.23292	0.23870	3.408	
71 Bromobenzene	0.74209	0.73142	0.70089	0.73635	0.73232	0.71011	0.72553	2.237	
72 n-Propylbenzene	0.65041	0.69151	0.71915	0.76648	0.77804	0.75995	0.72759	6.854	
73 2-Chlorotoluene	0.69180	0.68870	0.66965	0.69218	0.71446	0.68277	0.68993	2.125	
74 1,3,5-Trimethylbenzene	2.01816	2.13162	2.21526	2.39120	2.43654	2.38213	2.26248	7.402	
75 4-Chlorotoluene	0.71143	0.72613	0.72610	0.75395	0.75858	0.72704	0.73387	2.501	
76 tert-Butylbenzene	1.65843	1.72319	1.81179	1.92937	1.99114	1.93815	1.84201	7.196	
77 1,2,4-Trimethylbenzene	2.14206	2.30422	2.37900	2.49673	2.57526	2.48357	2.39681	6.548	
78 sec-Butylbenzene	2.38139	2.43136	2.56613	2.73305	2.81985	2.72256	2.60906	6.812	
79 4-Isopropyltoluene	1.96837	1.99505	2.11189	2.27565	2.32705	2.26291	2.15682	7.124	
80 1,3-Dichlorobenzene	1.41213	1.38057	1.37024	1.40207	1.41300	1.34393	1.38699	1.964	
81 1,4-Dichlorobenzene	1.43114	1.50263	1.43426	1.46247	1.46071	1.39603	1.44787	2.496	
82 n-Butylbenzene	1.80792	1.80747	1.87857	2.04262	2.14762	2.06916	1.95889	7.467	
83 1,2-Dichlorobenzene	1.37131	1.34095	1.31502	1.36489	1.37361	1.31504	1.34680	2.020	
84 1,2-Dibromo-3-chloropropane	0.10980	0.11308	0.11141	0.12706	0.13477	0.13668	0.12214	9.990	
85 1,2,4-Trichlorobenzene	0.69454	0.71985	0.70380	0.73566	0.76820	0.71271	0.72246	3.660	
86 Hexachlorobutadiene	0.34241	0.33044	0.30047	0.30806	0.30456	0.25859	0.30742	9.423	
87 Naphthalene	1.51125	1.62323	1.71809	1.88639	2.08469	2.02518	1.80814	12.615	
88 1,2,3-Trichlorobenzene	0.62162	0.62009	0.60056	0.61728	0.64775	0.58964	0.61616	3.239	
89 Ethyl Ether	0.22993	0.20329	0.21914	0.21949	0.21768	0.22134	0.21848	3.948	
90 Ethanol	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
91 3-Chloropropene	0.13380	0.12692	0.12814	0.14028	0.13373	0.13906	0.13366	4.083	
92 Isopropyl Ether	0.22311	0.21444	0.22067	0.23339	0.23017	0.23604	0.22630	3.657	
93 2-Chloro-1,3-butadiene	0.38177	0.34277	0.34501	0.38321	0.37845	0.39072	0.37032	5.637	
94 Propionitrile	0.03700	0.03584	0.03518	0.03603	0.03556	0.03772	0.03622	2.634	
95 Ethyl Acetate	0.25110	0.22788	0.22457	0.22978	0.23190	0.24945	0.23578	4.876	
96 Methacrylonitrile	0.16815	0.15568	0.14294	0.15420	0.15543	0.16263	0.15650	5.453	
97 Isobutanol	0.00955	0.00827	0.00887	0.00889	0.00905	0.00999	0.00910	6.524	<-
98 Cyclohexane	0.39960	0.38573	0.43461	0.45204	0.47622	0.48230	0.43842	9.030	

Report Date : 02-Jul-2004 08:21

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2004 10:38
End Cal Date : 01-JUL-2004 17:15
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Cal Date : 01-Jul-2004 17:22 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	0.00634	0.00647	0.00687	0.00726	0.00789	0.00863	0.00724	12.185	<-
100 Methyl Methacrylate	0.22875	0.19928	0.19778	0.21861	0.21571	0.23193	0.21534	6.671	
101 2-Nitropropane	0.05687	0.05247	0.04937	0.05455	0.05385	0.05951	0.05444	6.449	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	0.02322	0.02027	0.02139	0.02275	0.02314	0.02451	0.02255	6.652	
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	0.77651	0.80792	0.77413	0.83024	0.82565	0.79033	0.80080	3.031	
143 Methyl Acetate	0.20707	0.19181	0.19197	0.18507	0.18913	0.18697	0.19201	4.093	
144 Methylcyclohexane	0.34416	0.30771	0.35241	0.37188	0.38795	0.38591	0.35834	8.483	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	0.18750	0.19616	0.20587	0.23239	0.27867	0.24982	0.22507	15.589	
$ 4 Dibromofluoromethane	0.19940	0.21482	0.20653	0.20872	0.20662	0.20325	0.20656	2.516	
$ 5 1,2-Dichloroethane-d4	0.26515	0.28664	0.25675	0.27444	0.25436	0.26963	0.26783	4.457	
$ 6 Toluene-d8	1.15294	1.16702	1.20495	1.22582	1.21150	1.19266	1.19248	2.324	
$ 7 Bromofluorobenzene	0.48911	0.49884	0.49715	0.50721	0.50398	0.50703	0.50056	1.394	

Report Date : 02-Jul-2004 08:24

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2004 10:38
End Cal Date : 01-JUL-2004 17:15
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Cal Date : 01-Jul-2004 17:22 tapsvc

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21964.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21963.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21962.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21961.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21960.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21959.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	0.25807	0.28404	0.28624	0.29604	0.29133	0.28864	AVRG		0.28406		4.71666
9 Chloromethane	0.41734	0.38537	0.37088	0.36998	0.37585	0.36354	AVRG		0.38049		5.11428
10 Vinyl Chloride	0.33021	0.33302	0.34044	0.34616	0.33528	0.33003	AVRG		0.33586		1.89018
11 Bromomethane	0.18259	0.15784	0.14305	0.14523	0.12967	0.12263	AVRG		0.14683		14.59709
12 Chloroethane	0.20637	0.21806	0.21000	0.20852	0.20652	0.19527	AVRG		0.20746		3.54611
13 Trichlorofluoromethane	0.28363	0.29227	0.29443	0.30674	0.32498	0.31985	AVRG		0.30365		5.39512
14 Dichlorofluoromethane	0.40985	0.39145	0.38770	0.42423	0.39675	0.41525	AVRG		0.40420		3.57742
15 Acrolein	0.04304	0.04358	0.04442	0.04352	0.04429	0.04315	AVRG		0.04367		1.31284
16 Acetone	0.13071	0.11865	0.10989	0.10754	0.10929	0.11642	AVRG		0.11542		7.50888

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2004 10:38
End Cal Date : 01-JUL-2004 17:15
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Cal Date : 01-Jul-2004 17:22 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	0.25150	0.25245	0.23268	0.24584	0.24735	0.24261	AVRG		0.24541		2.94090
	18 Freon-113	0.16575	0.15325	0.16901	0.17663	0.18262	0.18051	AVRG		0.17129		6.41259
	19 Iodomethane	0.31013	0.32303	0.31966	0.31870	0.32438	0.31255	AVRG		0.31807		1.78285
	20 Carbon Disulfide	0.86873	0.84226	0.86840	0.86483	0.87756	0.87035	AVRG		0.86536		1.39447
	21 Methylene Chloride	111892	167675	355273	653398	1260714	2364252	QUAD	-0.07895	3.60224	0.24996	0.99993
	22 Acetonitrile	0.03469	0.03446	0.03472	0.03433	0.03514	0.03372	AVRG		0.03451		1.38021
	23 Acrylonitrile	0.10009	0.10040	0.10164	0.09963	0.10115	0.09968	AVRG		0.10043		0.81113
	24 Methyl tert-butyl ether	0.60152	0.61519	0.63513	0.64659	0.65508	0.64564	AVRG		0.63319		3.27076
	25 trans-1,2-Dichloroethene	0.27310	0.25948	0.26274	0.25800	0.26108	0.25641	AVRG		0.26180		2.27921
	26 Hexane	0.05058	0.04873	0.05266	0.05606	0.05783	0.05777	AVRG		0.05394		7.14737
	27 Vinyl acetate	0.43606	0.46472	0.48286	0.47754	0.51181	0.51077	AVRG		0.48063		5.98352
	28 1,1-Dichloroethane	0.45294	0.47874	0.45948	0.46793	0.46610	0.46158	AVRG		0.46446		1.88792
	29 tert-Butyl Alcohol	0.01704	0.01753	0.01690	0.01762	0.01859	0.01839	AVRG		0.01768		3.89768
	30 2-Butanone	0.15182	0.13376	0.14089	0.13638	0.14493	0.14658	AVRG		0.14240		4.71940
M	31 1,2-Dichloroethene (total)	0.27195	0.26407	0.26560	0.26298	0.26589	0.26069	AVRG		0.26520		1.43866
	32 cis-1,2-dichloroethene	0.27080	0.26865	0.26846	0.26797	0.27069	0.26496	AVRG		0.26859		0.79639
	33 2,2-Dichloropropane	0.19795	0.19616	0.19361	0.20692	0.20577	0.20688	AVRG		0.20121		2.97768

Report Date : 02-Jul-2004 08:24

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2004 10:38
End Cal Date : 01-JUL-2004 17:15
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Cal Date : 01-Jul-2004 17:22 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	0.11705	0.12069	0.12579	0.11934	0.12362	0.12069	AVRG		0.12119		2.55923	
35 Chloroform	0.46241	0.43836	0.42930	0.43484	0.42819	0.41988	AVRG		0.43550		3.35696	
36 Tetrahydrofuran	0.08118	0.07985	0.07666	0.07482	0.07662	0.07500	AVRG		0.07736		3.36403	
37 1,1,1-Trichloroethane	0.31098	0.30108	0.31121	0.30935	0.31908	0.31628	AVRG		0.31133		1.99919	
38 1,1-Dichloropropene	0.33478	0.32609	0.34430	0.34658	0.35919	0.34819	AVRG		0.34319		3.33934	
39 Carbon Tetrachloride	0.22269	0.21992	0.23603	0.24504	0.25831	0.25758	AVRG		0.23993		6.94542	
40 1,2-Dichloroethane	0.34075	0.33227	0.33506	0.33076	0.32911	0.32588	AVRG		0.33231		1.55086	
41 Benzene	1.18581	1.17926	1.12058	1.12191	1.13518	1.11127	AVRG		1.14234		2.81236	
42 Trichloroethene	0.26650	0.26484	0.26190	0.26531	0.27178	0.26382	AVRG		0.26569		1.26544	
43 1,2-Dichloropropane	0.27493	0.28226	0.28831	0.27797	0.28412	0.27477	AVRG		0.28039		1.93658	
44 1,4-Dioxane	0.00239	0.00257	0.00259	0.00285	0.00293	0.00294	AVRG		0.00271		8.31827	<-
45 Dibromomethane	0.14783	0.15705	0.14712	0.14704	0.14511	0.14426	AVRG		0.14807		3.10829	
46 Bromodichloromethane	0.31386	0.30056	0.30231	0.30953	0.31842	0.31466	AVRG		0.30989		2.30811	
47 2-Chloroethyl vinyl ether	0.12485	0.13179	0.15104	0.14769	0.15478	0.15791	AVRG		0.14468		9.20014	
48 cis-1,3-Dichloropropene	0.37552	0.40027	0.41035	0.41534	0.42729	0.43413	AVRG		0.41048		5.10076	
49 4-Methyl-2-pentanone	0.22770	0.23001	0.23602	0.24151	0.25724	0.26612	AVRG		0.24310		6.34968	
50 Toluene	1.48362	1.48867	1.51757	1.54539	1.54096	1.52102	AVRG		1.51621		1.69690	

Report Date : 02-Jul-2004 08:24

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2004 10:38
End Cal Date : 01-JUL-2004 17:15
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Cal Date : 01-Jul-2004 17:22 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	0.42994	0.44029	0.45868	0.47479	0.48848	0.50855	AVRG		0.46679		6.35825
	52 Ethyl Methacrylate	0.41050	0.42404	0.43553	0.46909	0.49312	0.50271	AVRG		0.45583		8.34841
	53 1,1,2-Trichloroethane	0.31598	0.30901	0.30326	0.30043	0.30341	0.30260	AVRG		0.30578		1.87983
	54 1,3-Dichloropropane	0.56961	0.54719	0.56393	0.57907	0.56546	0.56491	AVRG		0.56503		1.83584
	55 Tetrachloroethene	0.27340	0.24829	0.25796	0.25494	0.25526	0.25475	AVRG		0.25743		3.28206
	56 2-Hexanone	0.20851	0.21555	0.24369	0.24948	0.26702	0.28119	AVRG		0.24424		11.59694
	57 Dibromochloromethane	0.26162	0.25852	0.26136	0.27779	0.28572	0.29030	AVRG		0.27255		5.07668
	58 1,2-Dibromoethane	0.29831	0.30061	0.29850	0.30346	0.30399	0.30638	AVRG		0.30187		1.07764
	59 Chlorobenzene	0.98915	0.95371	0.95988	0.98996	0.96194	0.96856	AVRG		0.97053		1.59502
	60 1,1,1,2-Tetrachloroethane	0.28328	0.30245	0.30405	0.30392	0.31214	0.31698	AVRG		0.30380		3.79919
	61 Ethylbenzene	0.46218	0.48562	0.51479	0.52375	0.52603	0.53181	AVRG		0.50736		5.42184
	62 m + p-Xylene	0.60184	0.60145	0.63698	0.67951	0.66460	0.67219	AVRG		0.64276		5.43771
M	63 Xylenes (total)	0.60203	0.60123	0.62951	0.67128	0.66012	0.66850	AVRG		0.63878		5.06864
	64 Xylene-o	0.60240	0.60077	0.61456	0.65481	0.65116	0.66110	AVRG		0.63080		4.41659
	65 Styrene	0.98830	1.03124	1.10954	1.17161	1.17366	1.18729	AVRG		1.11027		7.51790
	66 Bromoform	0.15814	0.15357	0.16425	0.18252	0.18341	0.19687	AVRG		0.17313		9.81404
	67 Isopropylbenzene	1.30530	1.37182	1.42836	1.51705	1.52098	1.57414	AVRG		1.45294		7.04639

Report Date : 02-Jul-2004 08:24

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2004 10:38
End Cal Date : 01-JUL-2004 17:15
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Cal Date : 01-Jul-2004 17:22 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	0.77119	0.76659	0.72770	0.75282	0.76816	0.73500	AVRG		0.75358		2.45272
69 1,4-Dichloro-2-butene	0.17216	0.18957	0.18254	0.19870	0.21251	0.21467	AVRG		0.19503		8.62033
70 1,2,3-Trichloropropane	0.25030	0.24634	0.23170	0.23132	0.23960	0.23292	AVRG		0.23870		3.40771
71 Bromobenzene	0.74209	0.73142	0.70089	0.73635	0.73232	0.71011	AVRG		0.72553		2.23738
72 n-Propylbenzene	0.65041	0.69151	0.71915	0.76648	0.77804	0.75995	AVRG		0.72759		6.85371
73 2-Chlorotoluene	0.69180	0.68870	0.66965	0.69218	0.71446	0.68277	AVRG		0.68993		2.12506
74 1,3,5-Trimethylbenzene	2.01816	2.13162	2.21526	2.39120	2.43654	2.38213	AVRG		2.26248		7.40194
75 4-Chlorotoluene	0.71143	0.72613	0.72610	0.75395	0.75858	0.72704	AVRG		0.73387		2.50060
76 tert-Butylbenzene	1.65843	1.72319	1.81179	1.92937	1.99114	1.93815	AVRG		1.84201		7.19600
77 1,2,4-Trimethylbenzene	2.14206	2.30422	2.37900	2.49673	2.57526	2.48357	AVRG		2.39681		6.54770
78 sec-Butylbenzene	2.38139	2.43136	2.56613	2.73305	2.81985	2.72256	AVRG		2.60906		6.81211
79 4-Isopropyltoluene	1.96837	1.99505	2.11189	2.27565	2.32705	2.26291	AVRG		2.15682		7.12435
80 1,3-Dichlorobenzene	1.41213	1.38057	1.37024	1.40207	1.41300	1.34393	AVRG		1.38699		1.96436
81 1,4-Dichlorobenzene	1.43114	1.50263	1.43426	1.46247	1.46071	1.39603	AVRG		1.44787		2.49587
82 n-Butylbenzene	1.80792	1.80747	1.87857	2.04262	2.14762	2.06916	AVRG		1.95889		7.46656
83 1,2-Dichlorobenzene	1.37131	1.34095	1.31502	1.36489	1.37361	1.31504	AVRG		1.34680		2.01987
84 1,2-Dibromo-3-chloropropane	0.10980	0.11308	0.11141	0.12706	0.13477	0.13668	AVRG		0.12214		9.99012

Report Date : 02-Jul-2004 08:24

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2004 10:38
End Cal Date : 01-JUL-2004 17:15
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Cal Date : 01-Jul-2004 17:22 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	0.69454	0.71985	0.70380	0.73566	0.76820	0.71271	AVRG		0.72246		3.65991	
86 Hexachlorobutadiene	0.34241	0.33044	0.30047	0.30806	0.30456	0.25859	AVRG		0.30742		9.42292	
87 Naphthalene	1.51125	1.62323	1.71809	1.88639	2.08469	2.02518	AVRG		1.80814		12.61516	
88 1,2,3-Trichlorobenzene	0.62162	0.62009	0.60056	0.61728	0.64775	0.58964	AVRG		0.61616		3.23879	
89 Ethyl Ether	0.22993	0.20329	0.21914	0.21949	0.21768	0.22134	AVRG		0.21848		3.94789	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.13380	0.12692	0.12814	0.14028	0.13373	0.13906	AVRG		0.13366		4.08283	
92 Isopropyl Ether	0.22311	0.21444	0.22067	0.23339	0.23017	0.23604	AVRG		0.22630		3.65734	
93 2-Chloro-1,3-butadiene	0.38177	0.34277	0.34501	0.38321	0.37845	0.39072	AVRG		0.37032		5.63661	
94 Propionitrile	0.03700	0.03584	0.03518	0.03603	0.03556	0.03772	AVRG		0.03622		2.63400	
95 Ethyl Acetate	0.25110	0.22788	0.22457	0.22978	0.23190	0.24945	AVRG		0.23578		4.87580	
96 Methacrylonitrile	0.16815	0.15568	0.14294	0.15420	0.15543	0.16263	AVRG		0.15650		5.45315	
97 Isobutanol	0.00955	0.00827	0.00887	0.00889	0.00905	0.00999	AVRG		0.00910		6.52409	<-
98 Cyclohexane	0.39960	0.38573	0.43461	0.45204	0.47622	0.48230	AVRG		0.43842		9.03043	
99 n-Butanol	0.00634	0.00647	0.00687	0.00726	0.00789	0.00863	AVRG		0.00724		12.18528	<-
100 Methyl Methacrylate	0.22875	0.19928	0.19778	0.21861	0.21571	0.23193	AVRG		0.21534		6.67090	
101 2-Nitropropane	0.05687	0.05247	0.04937	0.05455	0.05385	0.05951	AVRG		0.05444		6.44890	

Report Date : 02-Jul-2004 08:24

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2004 10:38
End Cal Date : 01-JUL-2004 17:15
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Cal Date : 01-Jul-2004 17:22 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	0.02322	0.02027	0.02139	0.02275	0.02314	0.02451	AVRG		0.02255		6.65193	
	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	0.77651	0.80792	0.77413	0.83024	0.82565	0.79033	AVRG		0.80080		3.03107	
	143 Methyl Acetate	0.20707	0.19181	0.19197	0.18507	0.18913	0.18697	AVRG		0.19201		4.09330	
	144 Methylcyclohexane	0.34416	0.30771	0.35241	0.37188	0.38795	0.38591	AVRG		0.35834		8.48276	
	145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
	146 2-Methylnaphthalene	31504	67409	179277	411456	988081	1813227	QUAD	0.21537	3.18020	0.34627	0.99713	

Report Date : 02-Jul-2004 08:24

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-MAY-2004 10:38
End Cal Date : 01-JUL-2004 17:15
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Cal Date : 01-Jul-2004 17:22 tapsvc

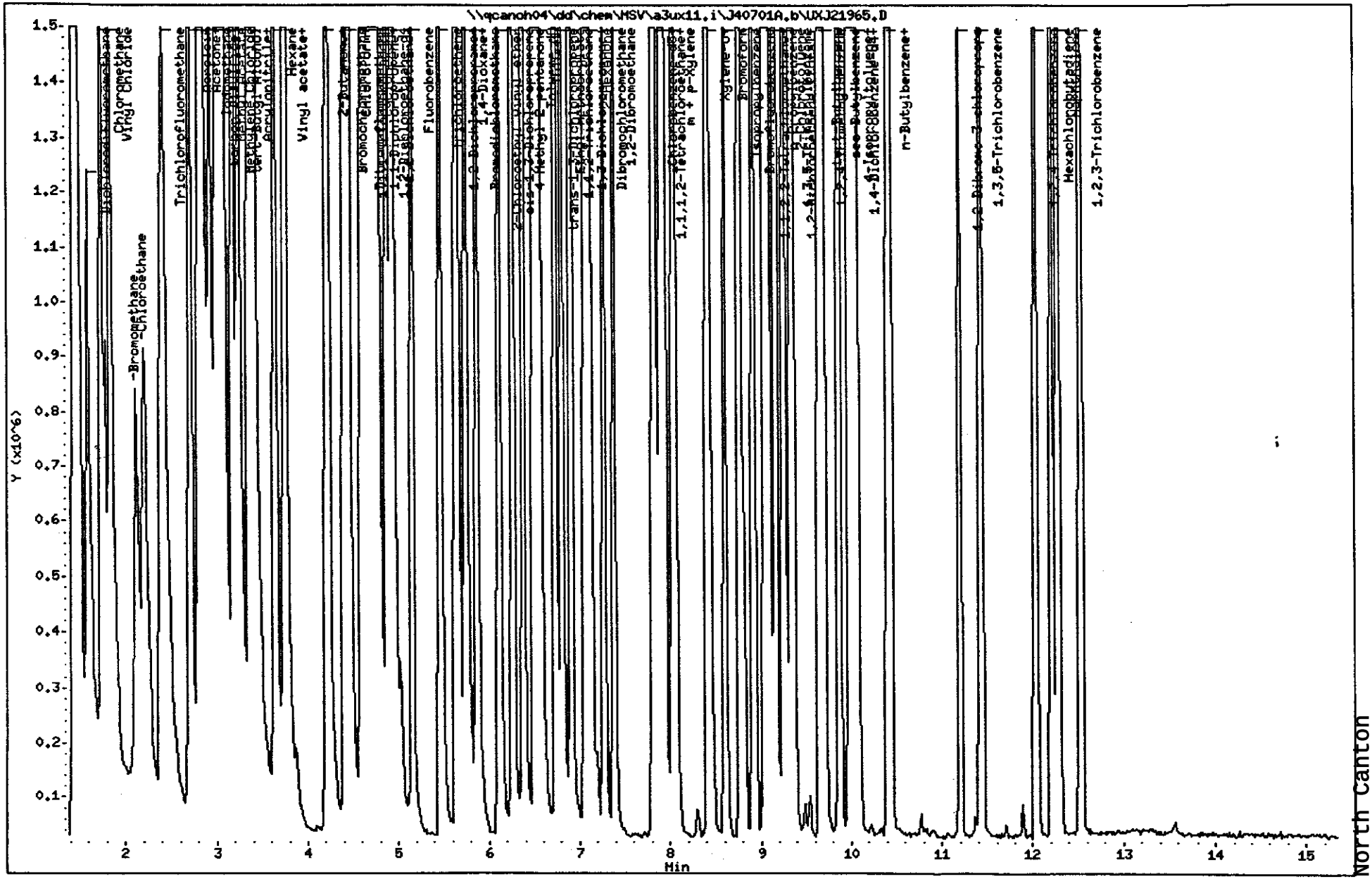
Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 4 Dibromofluoromethane	0.19940	0.21482	0.20653	0.20872	0.20662	0.20325	AVRG		0.20656		2.51640
$ 5 1,2-Dichloroethane-d4	0.26515	0.28664	0.25675	0.27444	0.25436	0.26963	AVRG		0.26783		4.45660
$ 6 Toluene-d8	1.15294	1.16702	1.20495	1.22582	1.21150	1.19266	AVRG		1.19248		2.32398
$ 7 Bromofluorobenzene	0.48911	0.49884	0.49715	0.50721	0.50398	0.50703	AVRG		0.50056		1.39395

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21965.D
Date : 01-JUL-2004 15:21
Client ID:
Sample Info: 200NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i

Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21965.D
Report Date: 02-Jul-2004 08:36

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21965.D
Lab Smp Id: 200NG-IC
Inj Date : 01-JUL-2004 15:21
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 200NG-IC
Misc Info : J40701A,8260LLUX11,2-8260.SUB,43582,1,6
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Meth Date : 02-Jul-2004 08:36 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 14 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	2242007	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1707436	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	996548	50.0000	
$ 4 Dibromofluoromethane	113	4.591	4.591	(0.890)	1822746	200.000	196.80
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	2418059	200.000	201.34(A)
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	8145536	200.000	200.03(A)
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	3462870	200.000	202.59(A)
8 Dichlorodifluoromethane	85	1.586	1.586	(0.307)	2588558	200.000	203.23(A)
9 Chloromethane	50	1.740	1.740	(0.337)	3260231	200.000	191.09
10 Vinyl Chloride	62	1.834	1.834	(0.356)	2959737	200.000	196.53
11 Bromomethane	94	2.118	2.118	(0.411)	1099745	200.000	167.03
12 Chloroethane	64	2.201	2.201	(0.427)	1751209	200.000	188.25
13 Trichlorofluoromethane	101	2.390	2.390	(0.463)	2868405	200.000	210.67(A)
15 Acrolein	56	2.710	2.710	(0.525)	3870140	2000.00	1976.5
16 Acetone	43	2.828	2.828	(0.548)	2088198	400.000	403.48(A)
17 1,1-Dichloroethene	96	2.805	2.805	(0.544)	2175766	200.000	197.72
18 Freon-113	151	2.840	2.840	(0.550)	1618845	200.000	210.76(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21965.D
Report Date: 02-Jul-2004 08:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.935	2.935	(0.569)	2802924	200.000	196.52
	20 Carbon Disulfide	76	3.006	3.006	(0.583)	7805363	200.000	201.16(A)
	21 Methylene Chloride	84	3.183	3.183	(0.617)	2364252	200.000	199.88
	22 Acetonitrile	41	3.041	3.041	(0.589)	3023962	2000.00	1954.2
	23 Acrylonitrile	53	3.361	3.361	(0.651)	8939050	2000.00	1985.0
	24 Methyl tert-butyl ether	73	3.408	3.408	(0.661)	5790154	200.000	203.93(A)
	25 trans-1,2-Dichloroethene	96	3.420	3.420	(0.663)	2299490	200.000	195.88
	26 Hexane	86	3.645	3.645	(0.706)	518079	200.000	214.21(A)
	27 Vinyl acetate	43	3.775	3.775	(0.732)	4580630	200.000	212.54(A)
	28 1,1-Dichloroethane	63	3.751	3.751	(0.727)	4139504	200.000	198.76
	29 tert-Butyl Alcohol	59	3.254	3.254	(0.631)	3299158	4000.00	4162.0(A)
	30 2-Butanone	43	4.213	4.213	(0.817)	2629124	400.000	411.76(A)
M	31 1,2-Dichloroethene (total)	96				4675674	400.000	393.18
	32 cis-1,2-dichloroethene	96	4.213	4.213	(0.817)	2376184	200.000	197.30
	33 2,2-Dichloropropane	77	4.225	4.225	(0.819)	1855280	200.000	205.63(A)
	34 Bromochloromethane	128	4.414	4.414	(0.856)	1082360	200.000	199.17
	35 Chloroform	83	4.473	4.473	(0.867)	3765515	200.000	192.83
	36 Tetrahydrofuran	42	4.449	4.449	(0.862)	672636	200.000	193.92
	37 1,1,1-Trichloroethane	97	4.639	4.639	(0.899)	2836403	200.000	203.18(A)
	38 1,1-Dichloropropene	75	4.769	4.769	(0.924)	3122591	200.000	202.92(A)
	39 Carbon Tetrachloride	117	4.781	4.781	(0.927)	2309979	200.000	214.71(A)
	40 1,2-Dichloroethane	62	4.934	4.934	(0.956)	2922533	200.000	196.13
	41 Benzene	78	4.946	4.946	(0.959)	9965856	200.000	194.56
	42 Trichloroethene	130	5.467	5.467	(1.060)	2365966	200.000	198.59
	43 1,2-Dichloropropane	63	5.656	5.656	(1.096)	2464107	200.000	195.98
	44 1,4-Dioxane	88	5.763	5.763	(1.117)	1318151	10000.0	10842(A)
	45 Dibromomethane	93	5.751	5.751	(1.115)	1293695	200.000	194.85
	46 Bromodichloromethane	83	5.881	5.881	(1.140)	2821839	200.000	203.08(A)
	47 2-Chloroethyl vinyl ether	63	6.118	6.118	(1.186)	2832311	400.000	436.58(A)
	48 cis-1,3-Dichloropropene	75	6.260	6.260	(1.213)	3893265	200.000	211.52(A)
	49 4-Methyl-2-pentanone	43	6.378	6.378	(1.236)	4773218	400.000	437.88(A)
	50 Toluene	91	6.567	6.567	(0.841)	10388173	200.000	200.64(A)
	51 trans-1,3-Dichloropropene	75	6.745	6.745	(0.864)	3473278	200.000	217.89(A)
	52 Ethyl Methacrylate	69	6.816	6.816	(0.873)	3433393	200.000	220.57(A)
	53 1,1,2-Trichloroethane	97	6.911	6.911	(0.885)	2066694	200.000	197.92
	54 1,3-Dichloropropane	76	7.064	7.064	(0.905)	3858185	200.000	199.96
	55 Tetrachloroethene	164	7.064	7.064	(0.905)	1739899	200.000	197.92
	56 2-Hexanone	43	7.124	7.124	(0.912)	3840898	400.000	460.51(A)
	57 Dibromochloromethane	129	7.277	7.277	(0.932)	1982644	200.000	213.02(A)
	58 1,2-Dibromoethane	107	7.384	7.384	(0.945)	2092463	200.000	202.98(A)
	59 Chlorobenzene	112	7.845	7.845	(1.005)	6615028	200.000	199.59
	60 1,1,1,2-Tetrachloroethane	131	7.916	7.916	(1.014)	2164882	200.000	208.67(A)
	61 Ethylbenzene	106	7.940	7.940	(1.017)	3632095	200.000	209.63(A)
	62 m + p-Xylene	106	8.047	8.047	(1.030)	9181827	400.000	418.32(A)
M	63 Xylenes (total)	106				13696985	600.000	627.92
	64 Xylene-o	106	8.425	8.425	(1.079)	4515158	200.000	209.61(A)
	65 Styrene	104	8.437	8.437	(1.080)	8108854	200.000	213.87(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21965.D
Report Date: 02-Jul-2004 08:36

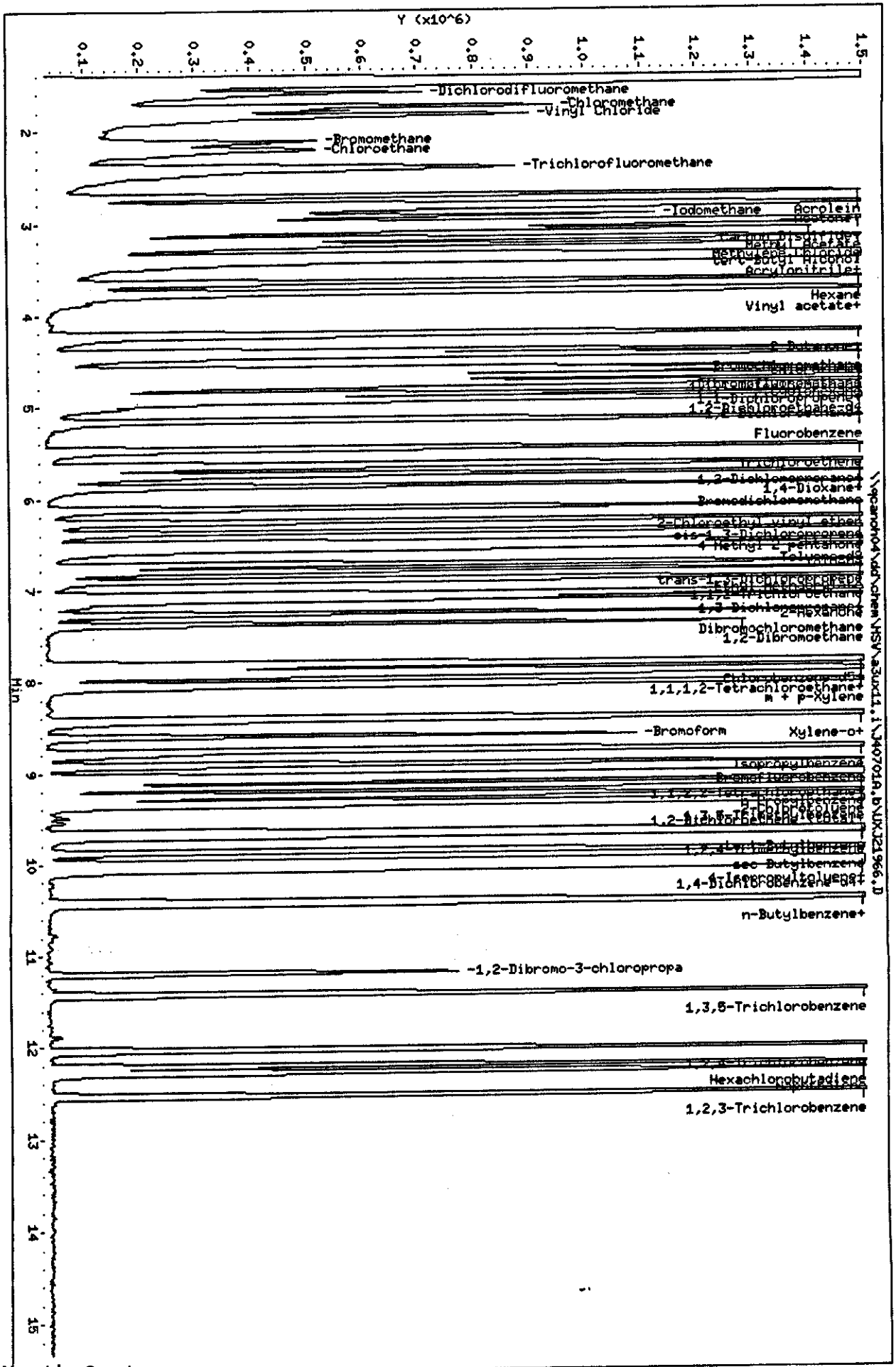
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.615	8.615	(1.103)	1344553	200.000	227.43(A)
67 Isopropylbenzene	105	8.768	8.768	(1.123)	10750966	200.000	216.68(A)
68 1,1,2,2-Tetrachloroethane	83	9.040	9.040	(0.900)	2929849	200.000	195.07
69 1,4-Dichloro-2-butene	53	9.088	9.088	(0.905)	855710	200.000	220.14(A)
70 1,2,3-Trichloropropane	110	9.088	9.088	(0.905)	928481	200.000	195.16
71 Bromobenzene	156	9.076	9.076	(0.903)	2830645	200.000	195.75
72 n-Propylbenzene	120	9.171	9.171	(0.913)	3029315	200.000	208.90(A)
73 2-Chlorotoluene	126	9.253	9.253	(0.921)	2721642	200.000	197.92
74 1,3,5-Trimethylbenzene	105	9.336	9.336	(0.929)	9495629	200.000	210.58(A)
75 4-Chlorotoluene	126	9.360	9.360	(0.932)	2898127	200.000	198.14
76 tert-Butylbenzene	119	9.656	9.656	(0.961)	7725822	200.000	210.44(A)
77 1,2,4-Trimethylbenzene	105	9.703	9.703	(0.966)	9899971	200.000	207.24(A)
78 sec-Butylbenzene	105	9.869	9.869	(0.982)	10852666	200.000	208.70(A)
79 4-Isopropyltoluene	119	10.011	10.011	(0.996)	9020380	200.000	209.84(A)
80 1,3-Dichlorobenzene	146	9.987	9.987	(0.994)	5357162	200.000	193.79
81 1,4-Dichlorobenzene	146	10.070	10.070	(1.002)	5564847	200.000	192.84
82 n-Butylbenzene	91	10.413	10.413	(1.037)	8248062	200.000	211.26(A)
83 1,2-Dichlorobenzene	146	10.437	10.437	(1.039)	5242010	200.000	195.28
84 1,2-Dibromo-3-chloropropane	157	11.206	11.206	(1.115)	544814	200.000	223.81(A)
85 1,2,4-Trichlorobenzene	180	12.046	12.046	(1.199)	2841002	200.000	197.30
86 Hexachlorobutadiene	225	12.212	12.212	(1.216)	1030795	200.000	168.23
87 Naphthalene	128	12.283	12.283	(1.223)	8072762	200.000	224.01(A)
88 1,2,3-Trichlorobenzene	180	12.531	12.531	(1.247)	2350418	200.000	191.39
98 Cyclohexane	56	4.698	4.698	(0.911)	4325236	200.000	220.02(A)
143 Methyl Acetate	43	3.100	3.100	(0.601)	3353420	400.000	389.50
144 Methylcyclohexane	83	5.644	5.644	(1.094)	3460825	200.000	215.39
141 1,3,5-Trichlorobenzene	180	11.431	11.431	(1.138)	3150401	200.000	197.38

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21966.D
Date : 01-JUL-2004 15:44
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



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Report Date: 02-Jul-2004 08:37

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21966.D
Lab Smp Id: 100NG-IC
Inj Date : 01-JUL-2004 15:44
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 100NG-IC
Misc Info : J40701A,8260LLUX11,2-8260.SUB,43582,1,5
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Meth Date : 02-Jul-2004 08:36 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 15 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	2254431	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1736100	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	965221	50.0000	
$ 4 Dibromofluoromethane	113	4.591	4.591	(0.890)	931630	100.000	100.03
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	1146875	100.000	94.971
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	4206583	100.000	101.60
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	1749936	100.000	100.68
8 Dichlorodifluoromethane	85	1.586	1.586	(0.307)	1313583	100.000	102.56
9 Chloromethane	50	1.740	1.740	(0.337)	1694652	100.000	98.780
10 Vinyl Chloride	62	1.834	1.834	(0.356)	1511719	100.000	99.827
11 Bromomethane	94	2.118	2.118	(0.411)	584646	100.000	88.308
12 Chloroethane	64	2.213	2.213	(0.429)	931169	100.000	99.548
13 Trichlorofluoromethane	101	2.390	2.390	(0.463)	1465284	100.000	107.02
15 Acrolein	56	2.710	2.710	(0.525)	1997077	1000.00	1014.3
16 Acetone	43	2.828	2.828	(0.548)	985573	200.000	189.38
17 1,1-Dichloroethene	96	2.805	2.805	(0.544)	1115260	100.000	100.79
18 Freon-113	151	2.852	2.852	(0.553)	823411	100.000	106.61

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21966.D
Report Date: 02-Jul-2004 08:37

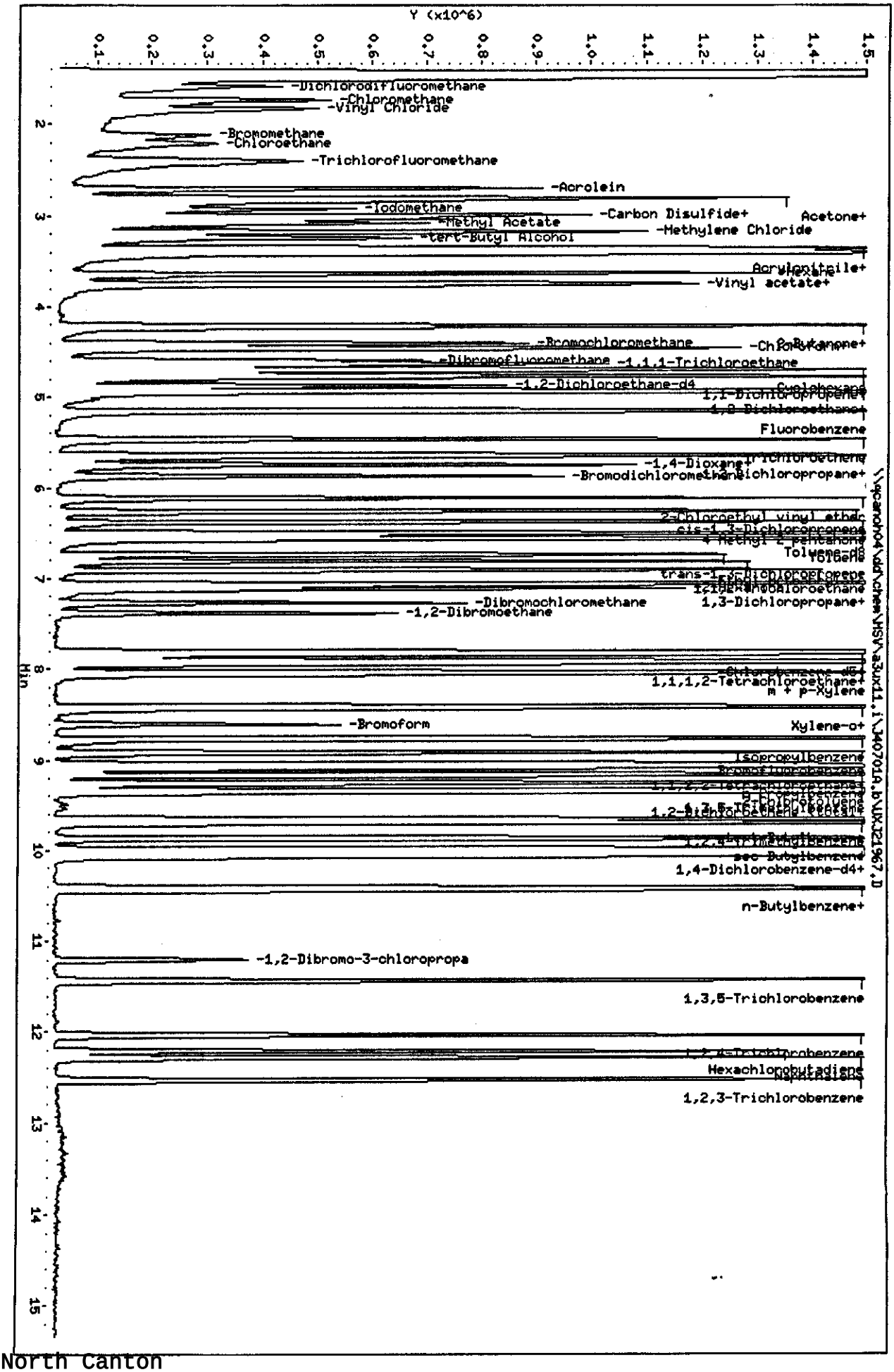
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.935	2.935	(0.569)	1462567	100.000	101.98
	20 Carbon Disulfide	76	3.006	3.006	(0.583)	3956796	100.000	101.41
	21 Methylene Chloride	84	3.183	3.183	(0.617)	1260714	100.000	100.68
	22 Acetonitrile	41	3.041	3.041	(0.590)	1584449	1000.00	1018.3
	23 Acrylonitrile	53	3.373	3.373	(0.654)	4560769	1000.00	1007.2
	24 Methyl tert-butyl ether	73	3.408	3.408	(0.661)	2953651	100.000	103.46
	25 trans-1,2-Dichloroethene	96	3.420	3.420	(0.663)	1177190	100.000	99.725
	26 Hexane	86	3.645	3.645	(0.706)	260728	100.000	107.21
	27 Vinyl acetate	43	3.775	3.775	(0.732)	2307688	100.000	106.49
	28 1,1-Dichloroethane	63	3.751	3.751	(0.727)	2101580	100.000	100.35
	29 tert-Butyl Alcohol	59	3.254	3.254	(0.631)	1675994	2000.00	2102.6(A)
	30 2-Butanone	43	4.213	4.213	(0.817)	1306915	200.000	203.56(A)
M	31 1,2-Dichloroethene (total)	96				2397711	200.000	200.51
	32 cis-1,2-dichloroethene	96	4.213	4.213	(0.817)	1220521	100.000	100.78
	33 2,2-Dichloropropane	77	4.225	4.225	(0.819)	927808	100.000	102.27
	34 Bromochloromethane	128	4.414	4.414	(0.856)	557371	100.000	102.00
	35 Chloroform	83	4.473	4.473	(0.867)	1930664	100.000	98.322
	36 Tetrahydrofuran	42	4.449	4.449	(0.862)	345484	100.000	99.052
	37 1,1,1-Trichloroethane	97	4.639	4.639	(0.899)	1438682	100.000	102.49
	38 1,1-Dichloropropene	75	4.769	4.769	(0.924)	1619517	100.000	104.66
	39 Carbon Tetrachloride	117	4.781	4.781	(0.927)	1164703	100.000	107.66
	40 1,2-Dichloroethane	62	4.935	4.935	(0.956)	1483917	100.000	99.038
	41 Benzene	78	4.946	4.946	(0.959)	5118359	100.000	99.373
	42 Trichloroethene	130	5.467	5.467	(1.060)	1225437	100.000	102.29
	43 1,2-Dichloropropane	63	5.656	5.656	(1.096)	1281063	100.000	101.33
	44 1,4-Dioxane	88	5.763	5.763	(1.117)	659808	5000.00	5397.1(A)
	45 Dibromomethane	93	5.751	5.751	(1.115)	654272	100.000	98.002
	46 Bromodichloromethane	83	5.881	5.881	(1.140)	1435711	100.000	102.75
	47 2-Chloroethyl vinyl ether	63	6.118	6.118	(1.186)	1395803	200.000	213.97(A)
	48 cis-1,3-Dichloropropene	75	6.260	6.260	(1.213)	1926604	100.000	104.09
	49 4-Methyl-2-pentanone	43	6.378	6.378	(1.236)	2319741	200.000	211.64(A)
	50 Toluene	91	6.567	6.567	(0.841)	5350535	100.000	101.63
	51 trans-1,3-Dichloropropene	75	6.745	6.745	(0.864)	1696083	100.000	104.65
	52 Ethyl Methacrylate	69	6.816	6.816	(0.873)	1712194	100.000	108.18
	53 1,1,2-Trichloroethane	97	6.911	6.911	(0.885)	1053506	100.000	99.224
	54 1,3-Dichloropropane	76	7.064	7.064	(0.905)	1963380	100.000	100.08
	55 Tetrachloroethene	164	7.064	7.064	(0.905)	886303	100.000	99.155
	56 2-Hexanone	43	7.124	7.124	(0.912)	1854280	200.000	218.65(A)
	57 Dibromochloromethane	129	7.277	7.277	(0.932)	992073	100.000	104.83
	58 1,2-Dibromoethane	107	7.384	7.384	(0.945)	1055518	100.000	100.70
	59 Chlorobenzene	112	7.845	7.845	(1.005)	3340048	100.000	99.115
	60 1,1,1,2-Tetrachloroethane	131	7.905	7.905	(1.012)	1083812	100.000	102.74
	61 Ethylbenzene	106	7.940	7.940	(1.017)	1826473	100.000	103.68
	62 m + p-Xylene	106	8.047	8.047	(1.030)	4615221	200.000	206.79(A)
M	63 Xylenes (total)	106				6876177	300.000	310.02
	64 Xylene-o	106	8.425	8.425	(1.079)	2260956	100.000	103.23
	65 Styrene	104	8.437	8.437	(1.080)	4075171	100.000	105.71

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21966.D
Report Date: 02-Jul-2004 08:37

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.615	8.615	(1.103)	636840	100.000	105.94
67 Isopropylbenzene	105	8.768	8.768	(1.123)	5281130	100.000	104.68
68 1,1,2,2-Tetrachloroethane	83	9.041	9.041	(0.900)	1482889	100.000	101.94
69 1,4-Dichloro-2-butene	53	9.100	9.100	(0.906)	410242	100.000	108.97
70 1,2,3-Trichloropropane	110	9.088	9.088	(0.905)	462539	100.000	100.38
71 Bromobenzene	156	9.076	9.076	(0.903)	1413698	100.000	100.94
72 n-Propylbenzene	120	9.171	9.171	(0.913)	1501961	100.000	106.93
73 2-Chlorotoluene	126	9.254	9.254	(0.921)	1379232	100.000	103.56
74 1,3,5-Trimethylbenzene	105	9.336	9.336	(0.929)	4703591	100.000	107.69
75 4-Chlorotoluene	126	9.360	9.360	(0.932)	1464397	100.000	103.37
76 tert-Butylbenzene	119	9.656	9.656	(0.961)	3843785	100.000	108.10
77 1,2,4-Trimethylbenzene	105	9.703	9.703	(0.966)	4971397	100.000	107.44
78 sec-Butylbenzene	105	9.869	9.869	(0.982)	5443556	100.000	108.08
79 4-Isopropyltoluene	119	10.011	10.011	(0.996)	4492239	100.000	107.89
80 1,3-Dichlorobenzene	146	9.987	9.987	(0.994)	2727720	100.000	101.88
81 1,4-Dichlorobenzene	146	10.070	10.070	(1.002)	2819821	100.000	100.89
82 n-Butylbenzene	91	10.413	10.413	(1.037)	4145859	100.000	109.63
83 1,2-Dichlorobenzene	146	10.437	10.437	(1.039)	2651675	100.000	101.99
84 1,2-Dibromo-3-chloropropane	157	11.206	11.206	(1.115)	260175	100.000	110.35
85 1,2,4-Trichlorobenzene	180	12.046	12.046	(1.199)	1482974	100.000	106.33
86 Hexachlorobutadiene	225	12.212	12.212	(1.216)	587926	100.000	99.068
87 Naphthalene	128	12.283	12.283	(1.223)	4024370	100.000	115.29
88 1,2,3-Trichlorobenzene	180	12.531	12.531	(1.247)	1250445	100.000	105.13
98 Cyclohexane	56	4.698	4.698	(0.911)	2147205	100.000	108.62
143 Methyl Acetate	43	3.100	3.100	(0.601)	1705567	200.000	197.01
144 Methylcyclohexane	83	5.645	5.645	(1.094)	1749205	100.000	108.26
141 1,3,5-Trichlorobenzene	180	11.431	11.431	(1.138)	1593866	100.000	103.10

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 01-JUL-2004 16:07
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Iodomethane
-Carbon Disulfide+
Acetone+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
Acrylonitrile+
-Vinyl acetate+
-Bromochloromethane
-Chloroform
-Dibromofluoromethane
-1,1,1-Trichloroethane
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
-1,4-Dioxane+
Trichloroethene
-Bromodichloromethane
2-Chloropropane+
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8
Toluene
trans-1,3-Dichloropropene
1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
1,2-Dichlorobenzene-d4+
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
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
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Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21967.D
Report Date: 02-Jul-2004 08:37

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21967.D
Lab Smp Id: 50NG-IC
Inj Date : 01-JUL-2004 16:07
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-IC
Misc Info : J40701A,8260LLUX11,2-8260.SUB,43582,1,4
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Meth Date : 02-Jul-2004 08:37 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 16 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	2271858	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1706323	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	962542	50.0000	
$ 4 Dibromofluoromethane	113	4.591	4.591	(0.890)	474175	50.0000	50.523
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	623499	50.0000	51.235
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	2091639	50.0000	51.398
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	865468	50.0000	50.665
8 Dichlorodifluoromethane	85	1.586	1.586	(0.307)	672557	50.0000	52.108
9 Chloromethane	50	1.740	1.740	(0.337)	840542	50.0000	48.619
10 Vinyl Chloride	62	1.834	1.834	(0.356)	786436	50.0000	51.534
11 Bromomethane	94	2.118	2.118	(0.411)	329950	50.0000	49.455
12 Chloroethane	64	2.213	2.213	(0.429)	473720	50.0000	50.255
13 Trichlorofluoromethane	101	2.390	2.390	(0.463)	696872	50.0000	50.509
15 Acrolein	56	2.710	2.710	(0.525)	988814	500.000	498.36
16 Acetone	43	2.828	2.828	(0.548)	488648	100.000	93.177
17 1,1-Dichloroethene	96	2.816	2.816	(0.546)	558503	50.0000	50.088
18 Freon-113	151	2.852	2.852	(0.553)	401268	50.0000	51.556

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21967.D
Report Date: 02-Jul-2004 08:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.935	2.935	(0.569)	724033	50.0000	50.098
	20 Carbon Disulfide	76	3.006	3.006	(0.583)	1964776	50.0000	49.970
	21 Methylene Chloride	84	3.183	3.183	(0.617)	653398	50.0000	48.887
	22 Acetonitrile	41	3.041	3.041	(0.589)	779879	500.000	497.36
	23 Acrylonitrile	53	3.373	3.373	(0.654)	2263394	500.000	496.00
	24 Methyl tert-butyl ether	73	3.408	3.408	(0.661)	1468964	50.0000	51.058
	25 trans-1,2-Dichloroethene	96	3.420	3.420	(0.663)	586139	50.0000	49.274
	26 Hexane	86	3.645	3.645	(0.706)	127353	50.0000	51.965
	27 Vinyl acetate	43	3.775	3.775	(0.732)	1084909	50.0000	49.679
	28 1,1-Dichloroethane	63	3.751	3.751	(0.727)	1063062	50.0000	50.373
	29 tert-Butyl Alcohol	59	3.254	3.254	(0.631)	800589	1000.00	996.69
	30 2-Butanone	43	4.213	4.213	(0.817)	619667	100.000	95.775
M	31 1,2-Dichloroethene (total)	96				1194925	100.000	99.158
	32 cis-1,2-dichloroethene	96	4.213	4.213	(0.817)	608786	50.0000	49.884
	33 2,2-Dichloropropane	77	4.225	4.225	(0.819)	470082	50.0000	51.417
	34 Bromochloromethane	128	4.414	4.414	(0.856)	271116	50.0000	49.234
	35 Chloroform	83	4.461	4.461	(0.865)	987901	50.0000	49.925
	36 Tetrahydrofuran	42	4.449	4.449	(0.862)	169977	50.0000	48.360
	37 1,1,1-Trichloroethane	97	4.639	4.639	(0.899)	702809	50.0000	49.682
	38 1,1-Dichloropropene	75	4.769	4.769	(0.924)	787387	50.0000	50.495
	39 Carbon Tetrachloride	117	4.781	4.781	(0.927)	556705	50.0000	51.066
	40 1,2-Dichloroethane	62	4.934	4.934	(0.956)	751437	50.0000	49.767
	41 Benzene	78	4.946	4.946	(0.959)	2548826	50.0000	49.106
	42 Trichloroethene	130	5.467	5.467	(1.060)	602758	50.0000	49.929
	43 1,2-Dichloropropane	63	5.656	5.656	(1.096)	631509	50.0000	49.568
	44 1,4-Dioxane	88	5.763	5.763	(1.117)	323551	2500.00	2626.3(A)
	45 Dibromomethane	93	5.751	5.751	(1.115)	334063	50.0000	49.654
	46 Bromodichloromethane	83	5.881	5.881	(1.140)	703207	50.0000	49.942
	47 2-Chloroethyl vinyl ether	63	6.118	6.118	(1.186)	671048	100.000	102.08
	48 cis-1,3-Dichloropropene	75	6.260	6.260	(1.213)	943602	50.0000	50.592
	49 4-Methyl-2-pentanone	43	6.378	6.378	(1.236)	1097334	100.000	99.344
	50 Toluene	91	6.567	6.567	(0.841)	2636932	50.0000	50.962
	51 trans-1,3-Dichloropropene	75	6.745	6.745	(0.864)	810149	50.0000	50.857
	52 Ethyl Methacrylate	69	6.816	6.816	(0.873)	800424	50.0000	51.454
	53 1,1,2-Trichloroethane	97	6.911	6.911	(0.885)	512634	50.0000	49.125
	54 1,3-Dichloropropane	76	7.064	7.064	(0.905)	988085	50.0000	51.243
	55 Tetrachloroethene	164	7.064	7.064	(0.905)	435004	50.0000	49.515
	56 2-Hexanone	43	7.124	7.124	(0.912)	851379	100.000	102.14
	57 Dibromochloromethane	129	7.277	7.277	(0.932)	473991	50.0000	50.960
	58 1,2-Dibromoethane	107	7.384	7.384	(0.945)	517794	50.0000	50.262
	59 Chlorobenzene	112	7.845	7.845	(1.005)	1689187	50.0000	51.001
	60 1,1,1,2-Tetrachloroethane	131	7.905	7.905	(1.012)	518594	50.0000	50.020
	61 Ethylbenzene	106	7.940	7.940	(1.017)	893691	50.0000	51.615
	62 m + p-Xylene	106	8.047	8.047	(1.030)	2318943	100.000	105.72
M	63 Xylenes (total)	106				3436256	150.000	157.62
	64 Xylene-o	106	8.425	8.425	(1.079)	1117313	50.0000	51.903
	65 Styrene	104	8.437	8.437	(1.080)	1999148	50.0000	52.762

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21967.D
Report Date: 02-Jul-2004 08:37

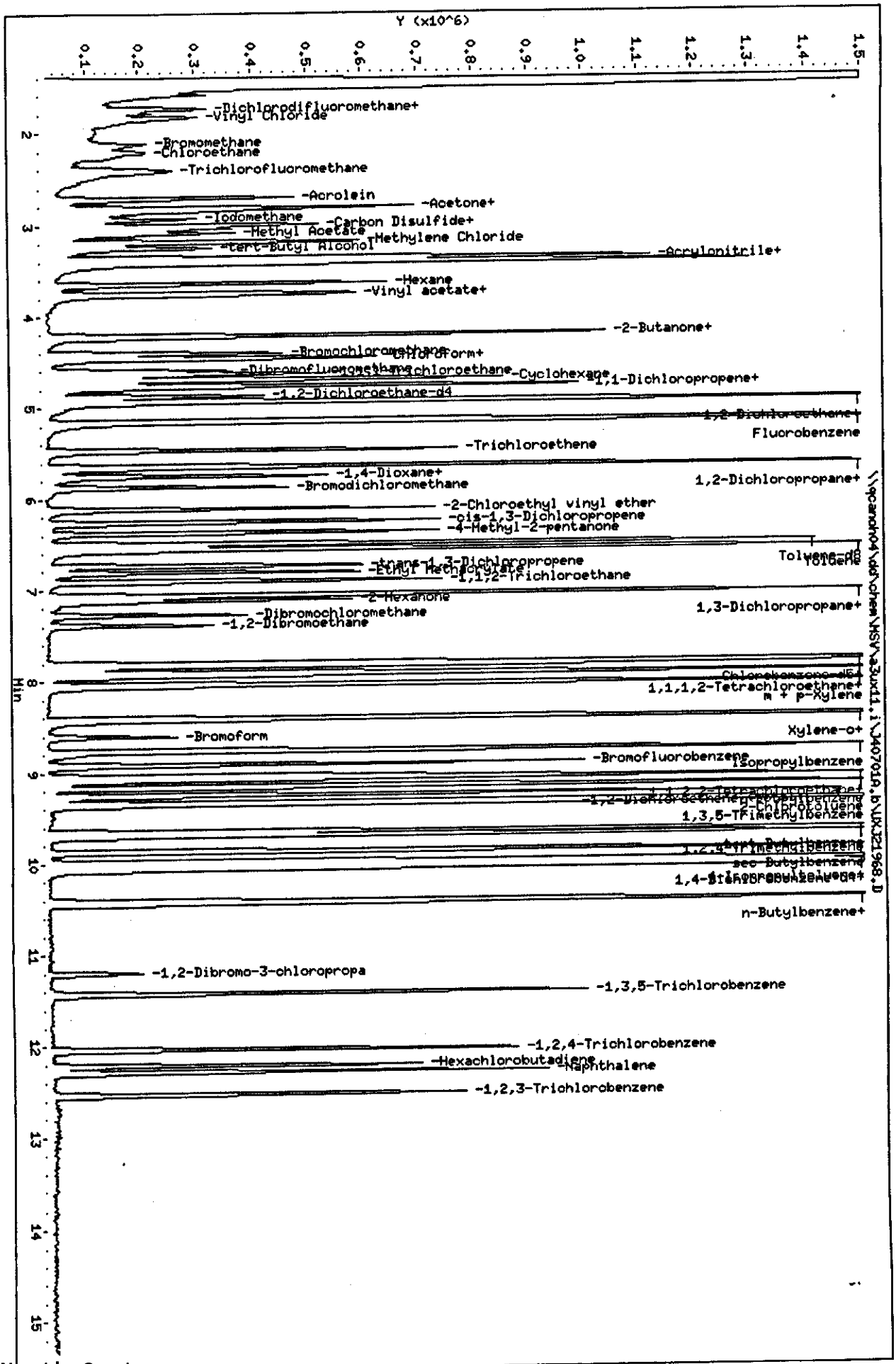
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.615	8.615	(1.103)	311430	50.0000	52.712
67 Isopropylbenzene	105	8.768	8.768	(1.123)	2588576	50.0000	52.206
68 1,1,2,2-Tetrachloroethane	83	9.040	9.040	(0.900)	724618	50.0000	49.950
69 1,4-Dichloro-2-butene	53	9.088	9.088	(0.905)	191260	50.0000	50.943
70 1,2,3-Trichloropropane	110	9.088	9.088	(0.905)	222652	50.0000	48.454
71 Bromobenzene	156	9.076	9.076	(0.903)	708771	50.0000	50.746
72 n-Propylbenzene	120	9.171	9.171	(0.913)	737770	50.0000	52.672
73 2-Chlorotoluene	126	9.253	9.253	(0.921)	666248	50.0000	50.163
74 1,3,5-Trimethylbenzene	105	9.336	9.336	(0.929)	2301633	50.0000	52.845
75 4-Chlorotoluene	126	9.360	9.360	(0.932)	725705	50.0000	51.368
76 tert-Butylbenzene	119	9.656	9.656	(0.961)	1857097	50.0000	52.371
77 1,2,4-Trimethylbenzene	105	9.703	9.703	(0.966)	2403205	50.0000	52.084
78 sec-Butylbenzene	105	9.869	9.869	(0.982)	2630671	50.0000	52.376
79 4-Isopropyltoluene	119	10.011	10.011	(0.996)	2190405	50.0000	52.755
80 1,3-Dichlorobenzene	146	9.987	9.987	(0.994)	1349550	50.0000	50.544
81 1,4-Dichlorobenzene	146	10.070	10.070	(1.002)	1407692	50.0000	50.504
82 n-Butylbenzene	91	10.413	10.413	(1.037)	1966109	50.0000	52.137
83 1,2-Dichlorobenzene	146	10.437	10.437	(1.039)	1313760	50.0000	50.671
84 1,2-Dibromo-3-chloropropane	157	11.206	11.206	(1.115)	122305	50.0000	52.018
85 1,2,4-Trichlorobenzene	180	12.046	12.046	(1.199)	708105	50.0000	50.914
86 Hexachlorobutadiene	225	12.212	12.212	(1.216)	296524	50.0000	50.104
87 Naphthalene	128	12.283	12.283	(1.223)	1815729	50.0000	52.164
88 1,2,3-Trichlorobenzene	180	12.531	12.531	(1.247)	594157	50.0000	50.091
98 Cyclohexane	56	4.698	4.698	(0.911)	1026982	50.0000	51.554
143 Methyl Acetate	43	3.100	3.100	(0.601)	840920	100.000	96.390
144 Methylcyclohexane	83	5.644	5.644	(1.094)	844862	50.0000	51.890
141 1,3,5-Trichlorobenzene	180	11.431	11.431	(1.138)	799145	50.0000	51.838

QC Flag Legend

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

Data File: \\qcandh04\dd\chem\HSV\a3ux11.i\J407010.b\UX321968.D
Date : 01-JUL-2004 16:29
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21968.D
Report Date: 02-Jul-2004 08:38

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21968.D
Lab Smp Id: 25NG-IC
Inj Date : 01-JUL-2004 16:29
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 25NG-IC
Misc Info : J40701A,8260LLUX11,2-8260.SUB,43582,1,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Meth Date : 02-Jul-2004 08:38 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 17 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	2213828	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1693712	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	969576	50.0000	
$ 4 Dibromofluoromethane	113	4.591	4.591	(0.890)	228612	25.0000	24.997
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	284201	25.0000	23.966
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	1020423	25.0000	25.261
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	421015	25.0000	24.830
8 Dichlorodifluoromethane	85	1.586	1.586	(0.307)	316845	25.0000	25.192
9 Chloromethane	50	1.740	1.740	(0.337)	410532	25.0000	24.368
10 Vinyl Chloride	62	1.834	1.834	(0.356)	376841	25.0000	25.341
11 Bromomethane	94	2.130	2.130	(0.413)	158344	25.0000	24.356
12 Chloroethane	64	2.213	2.213	(0.429)	232457	25.0000	25.307
13 Trichlorofluoromethane	101	2.390	2.390	(0.463)	325914	25.0000	24.241
15 Acrolein	56	2.710	2.710	(0.525)	491674	250.000	254.30
16 Acetone	43	2.828	2.828	(0.548)	243271	50.0000	47.604
17 1,1-Dichloroethene	96	2.816	2.816	(0.546)	257560	25.0000	23.704
18 Freon-113	151	2.840	2.840	(0.550)	187085	25.0000	24.667

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21968.D
Report Date: 02-Jul-2004 08:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.935	2.935	(0.569)	353839	25.0000	25.125
	20 Carbon Disulfide	76	3.006	3.006	(0.583)	961244	25.0000	25.088
	21 Methylene Chloride	84	3.183	3.183	(0.617)	355273	25.0000	25.278
	22 Acetonitrile	41	3.041	3.041	(0.589)	384270	250.000	251.49
	23 Acrylonitrile	53	3.372	3.372	(0.654)	1125095	250.000	253.01
	24 Methyl tert-butyl ether	73	3.408	3.408	(0.661)	703029	25.0000	25.076
	25 trans-1,2-Dichloroethene	96	3.420	3.420	(0.663)	290831	25.0000	25.089
	26 Hexane	86	3.645	3.645	(0.706)	58292	25.0000	24.409
	27 Vinyl acetate	43	3.775	3.775	(0.732)	534488	25.0000	25.116
	28 1,1-Dichloroethane	63	3.751	3.751	(0.727)	508601	25.0000	24.732
	29 tert-Butyl Alcohol	59	3.254	3.254	(0.631)	374165	500.000	478.03
	30 2-Butanone	43	4.213	4.213	(0.817)	311917	50.0000	49.473
M	31 1,2-Dichloroethene (total)	96				587997	50.0000	50.078
	32 cis-1,2-dichloroethene	96	4.213	4.213	(0.817)	297166	25.0000	24.988
	33 2,2-Dichloropropane	77	4.224	4.224	(0.819)	214305	25.0000	24.055
	34 Bromochloromethane	128	4.414	4.414	(0.856)	139235	25.0000	25.947
	35 Chloroform	83	4.473	4.473	(0.867)	475199	25.0000	24.644
	36 Tetrahydrofuran	42	4.449	4.449	(0.862)	84856	25.0000	24.775
	37 1,1,1-Trichloroethane	97	4.639	4.639	(0.899)	344484	25.0000	24.990
	38 1,1-Dichloropropene	75	4.769	4.769	(0.924)	381105	25.0000	25.081
	39 Carbon Tetrachloride	117	4.781	4.781	(0.927)	261262	25.0000	24.593
	40 1,2-Dichloroethane	62	4.934	4.934	(0.956)	370882	25.0000	25.207
	41 Benzene	78	4.946	4.946	(0.959)	1240388	25.0000	24.524
	42 Trichloroethene	130	5.467	5.467	(1.060)	289900	25.0000	24.643
	43 1,2-Dichloropropane	63	5.656	5.656	(1.096)	319136	25.0000	25.706
	44 1,4-Dioxane	88	5.763	5.763	(1.117)	143410	1250.00	1194.6(A)
	45 Dibromomethane	93	5.751	5.751	(1.115)	162844	25.0000	24.839
	46 Bromodichloromethane	83	5.881	5.881	(1.140)	334630	25.0000	24.388
	47 2-Chloroethyl vinyl ether	63	6.118	6.118	(1.186)	334383	50.0000	52.199
	48 cis-1,3-Dichloropropene	75	6.260	6.260	(1.213)	454227	25.0000	24.992
	49 4-Methyl-2-pentanone	43	6.378	6.378	(1.236)	522503	50.0000	48.543
	50 Toluene	91	6.567	6.567	(0.841)	1285164	25.0000	25.022
	51 trans-1,3-Dichloropropene	75	6.745	6.745	(0.864)	388437	25.0000	24.566
	52 Ethyl Methacrylate	69	6.816	6.816	(0.873)	368829	25.0000	23.886
	53 1,1,2-Trichloroethane	97	6.910	6.910	(0.885)	256819	25.0000	24.794
	54 1,3-Dichloropropane	76	7.064	7.064	(0.905)	477566	25.0000	24.951
	55 Tetrachloroethene	164	7.064	7.064	(0.905)	218454	25.0000	25.051
	56 2-Hexanone	43	7.123	7.123	(0.912)	412740	50.0000	49.888
	57 Dibromochloromethane	129	7.277	7.277	(0.932)	221334	25.0000	23.974
	58 1,2-Dibromoethane	107	7.384	7.384	(0.945)	252789	25.0000	24.721
	59 Chlorobenzene	112	7.845	7.845	(1.005)	812880	25.0000	24.726
	60 1,1,1,2-Tetrachloroethane	131	7.916	7.916	(1.014)	257489	25.0000	25.020
	61 Ethylbenzene	106	7.940	7.940	(1.017)	435956	25.0000	25.366
	62 m + p-Xylene	106	8.046	8.046	(1.030)	1078861	50.0000	49.550
M	63 Xylenes (total)	106				1599306	75.0000	73.906
	64 Xylene-o	106	8.425	8.425	(1.079)	520445	25.0000	24.356
	65 Styrene	104	8.437	8.437	(1.080)	939618	25.0000	24.983

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21968.D
Report Date: 02-Jul-2004 08:38

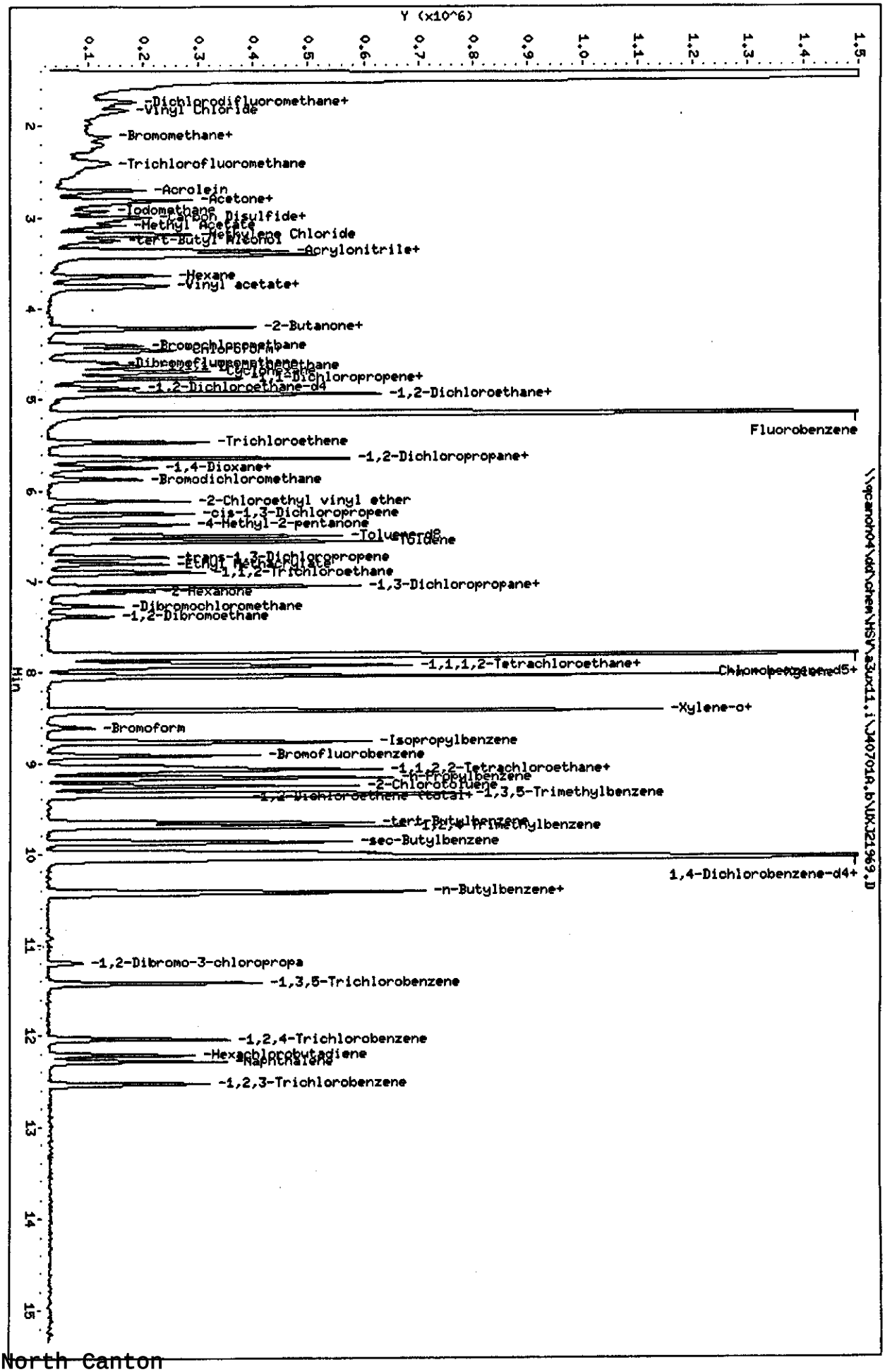
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.614	8.614	(1.103)	139096	25.0000	23.718
67 Isopropylbenzene	105	8.768	8.768	(1.123)	1209619	25.0000	24.577
68 1,1,2,2-Tetrachloroethane	83	9.040	9.040	(0.900)	352778	25.0000	24.141
69 1,4-Dichloro-2-butene	53	9.088	9.088	(0.905)	88491	25.0000	23.399
70 1,2,3-Trichloropropane	110	9.088	9.088	(0.905)	112327	25.0000	24.267
71 Bromobenzene	156	9.076	9.076	(0.903)	339781	25.0000	24.151
72 n-Propylbenzene	120	9.171	9.171	(0.913)	348634	25.0000	24.710
73 2-Chlorotoluene	126	9.253	9.253	(0.921)	324636	25.0000	24.265
74 1,3,5-Trimethylbenzene	105	9.336	9.336	(0.929)	1073931	25.0000	24.478
75 4-Chlorotoluene	126	9.360	9.360	(0.932)	352006	25.0000	24.735
76 tert-Butylbenzene	119	9.656	9.656	(0.961)	878334	25.0000	24.590
77 1,2,4-Trimethylbenzene	105	9.703	9.703	(0.966)	1153309	25.0000	24.814
78 sec-Butylbenzene	105	9.869	9.869	(0.982)	1244031	25.0000	24.589
79 4-Isopropyltoluene	119	10.011	10.011	(0.996)	1023820	25.0000	24.479
80 1,3-Dichlorobenzene	146	9.987	9.987	(0.994)	664278	25.0000	24.698
81 1,4-Dichlorobenzene	146	10.070	10.070	(1.002)	695314	25.0000	24.765
82 n-Butylbenzene	91	10.413	10.413	(1.037)	910706	25.0000	23.975
83 1,2-Dichlorobenzene	146	10.437	10.437	(1.039)	637504	25.0000	24.410
84 1,2-Dibromo-3-chloropropane	157	11.206	11.206	(1.115)	54012	25.0000	22.805
85 1,2,4-Trichlorobenzene	180	12.046	12.046	(1.199)	341194	25.0000	24.354
86 Hexachlorobutadiene	225	12.212	12.212	(1.216)	145662	25.0000	24.434
87 Naphthalene	128	12.283	12.283	(1.223)	832911	25.0000	23.755
88 1,2,3-Trichlorobenzene	180	12.531	12.531	(1.247)	291144	25.0000	24.367
98 Cyclohexane	56	4.698	4.698	(0.911)	481078	25.0000	24.783
143 Methyl Acetate	43	3.100	3.100	(0.601)	424998	50.0000	49.992
144 Methylcyclohexane	83	5.644	5.644	(1.094)	390087	25.0000	24.586
141 1,3,5-Trichlorobenzene	180	11.431	11.431	(1.138)	375287	25.0000	24.167

QC Flag Legend

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

Data File: \\qcanon04\dd\chem\HSV\a3ux11.i\J407010,b\UX321969.D
Date : 01-JUL-2004 16:52
Client ID:
Sample Info: 10NC-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21969.D
Report Date: 02-Jul-2004 08:39

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21969.D
Lab Smp Id: 10NG-IC
Inj Date : 01-JUL-2004 16:52
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 10NG-IC
Misc Info : J40701A,8260LLUX11,2-8260.SUB,43582,1,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Meth Date : 02-Jul-2004 08:39 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 18 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	2159746	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1669156	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	924548	50.0000	
$ 4 Dibromofluoromethane	113	4.603	4.603	(0.892)	92792	10.0000	10.400
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	123816	10.0000	10.702
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	389588	10.0000	9.786
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	166530	10.0000	9.966
8 Dichlorodifluoromethane	85	1.586	1.586	(0.307)	122690	10.0000	9.999
9 Chloromethane	50	1.740	1.740	(0.337)	166459	10.0000	10.128
10 Vinyl Chloride	62	1.834	1.834	(0.356)	143846	10.0000	9.915
11 Bromomethane	94	2.130	2.130	(0.413)	68178	10.0000	10.749
12 Chloroethane	64	2.213	2.213	(0.429)	94192	10.0000	10.511
13 Trichlorofluoromethane	101	2.390	2.390	(0.463)	126247	10.0000	9.625
15 Acrolein	56	2.710	2.710	(0.525)	188250	100.000	99.802
16 Acetone	43	2.828	2.828	(0.548)	102505	20.0000	20.560
17 1,1-Dichloroethene	96	2.816	2.816	(0.546)	109046	10.0000	10.287
18 Freon-113	151	2.840	2.840	(0.551)	66196	10.0000	8.946

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21969.D
Report Date: 02-Jul-2004 08:39

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.935	2.935	(0.569)	139532	10.0000	10.156
	20 Carbon Disulfide	76	3.006	3.006	(0.583)	363815	10.0000	9.733
	21 Methylene Chloride	84	3.195	3.195	(0.619)	167675	10.0000	10.111
	22 Acetonitrile	41	3.053	3.053	(0.592)	148864	100.000	99.864
	23 Acrylonitrile	53	3.373	3.373	(0.654)	433685	100.000	99.970
	24 Methyl tert-butyl ether	73	3.408	3.408	(0.661)	265730	10.0000	9.716
	25 trans-1,2-Dichloroethene	96	3.420	3.420	(0.663)	112084	10.0000	9.911
	26 Hexane	86	3.645	3.645	(0.706)	21048	10.0000	9.034
	27 Vinyl acetate	43	3.775	3.775	(0.732)	200736	10.0000	9.669
	28 1,1-Dichloroethane	63	3.751	3.751	(0.727)	206791	10.0000	10.307
	29 tert-Butyl Alcohol	59	3.254	3.254	(0.631)	151442	200.000	198.32
	30 2-Butanone	43	4.213	4.213	(0.817)	115558	20.0000	18.788
M	31 1,2-Dichloroethene (total)	96				228129	20.0000	19.914
	32 cis-1,2-dichloroethene	96	4.225	4.225	(0.819)	116045	10.0000	10.002
	33 2,2-Dichloropropane	77	4.225	4.225	(0.819)	84730	10.0000	9.749
	34 Bromochloromethane	128	4.414	4.414	(0.856)	52130	10.0000	9.958
	35 Chloroform	83	4.473	4.473	(0.867)	189351	10.0000	10.066
	36 Tetrahydrofuran	42	4.449	4.449	(0.862)	34493	10.0000	10.323
	37 1,1,1-Trichloroethane	97	4.639	4.639	(0.899)	130050	10.0000	9.671
	38 1,1-Dichloropropene	75	4.769	4.769	(0.924)	140855	10.0000	9.502
	39 Carbon Tetrachloride	117	4.781	4.781	(0.927)	94994	10.0000	9.166
	40 1,2-Dichloroethane	62	4.946	4.946	(0.959)	143525	10.0000	9.999
	41 Benzene	78	4.946	4.946	(0.959)	509382	10.0000	10.323
	42 Trichloroethene	130	5.467	5.467	(1.060)	114396	10.0000	9.968
	43 1,2-Dichloropropane	63	5.656	5.656	(1.096)	121924	10.0000	10.067
	44 1,4-Dioxane	88	5.751	5.751	(1.115)	55559	500.000	474.39(A)
	45 Dibromomethane	93	5.751	5.751	(1.115)	67836	10.0000	10.606
	46 Bromodichloromethane	83	5.881	5.881	(1.140)	129828	10.0000	9.699
	47 2-Chloroethyl vinyl ether	63	6.118	6.118	(1.186)	113854	20.0000	18.218
	48 cis-1,3-Dichloropropene	75	6.260	6.260	(1.213)	172896	10.0000	9.751
	49 4-Methyl-2-pentanone	43	6.378	6.378	(1.236)	198706	20.0000	18.923
	50 Toluene	91	6.567	6.567	(0.841)	496963	10.0000	9.818
	51 trans-1,3-Dichloropropene	75	6.745	6.745	(0.864)	146981	10.0000	9.432
	52 Ethyl Methacrylate	69	6.816	6.816	(0.873)	141559	10.0000	9.303
	53 1,1,2-Trichloroethane	97	6.911	6.911	(0.885)	103157	10.0000	10.106
	54 1,3-Dichloropropane	76	7.064	7.064	(0.905)	182668	10.0000	9.684
	55 Tetrachloroethene	164	7.064	7.064	(0.905)	82888	10.0000	9.645
	56 2-Hexanone	43	7.124	7.124	(0.912)	143912	20.0000	17.650
	57 Dibromochloromethane	129	7.277	7.277	(0.932)	86301	10.0000	9.485
	58 1,2-Dibromoethane	107	7.384	7.384	(0.945)	100352	10.0000	9.958
	59 Chlorobenzene	112	7.845	7.845	(1.005)	318377	10.0000	9.827
	60 1,1,1,2-Tetrachloroethane	131	7.916	7.916	(1.014)	100966	10.0000	9.955
	61 Ethylbenzene	106	7.940	7.940	(1.017)	162115	10.0000	9.571
	62 m + p-Xylene	106	8.047	8.047	(1.030)	401568	20.0000	18.715
M	63 Xylenes (total)	106				602125	30.0000	28.239
	64 Xylene-o	106	8.425	8.425	(1.079)	200557	10.0000	9.524
	65 Styrene	104	8.437	8.437	(1.080)	344260	10.0000	9.288

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21969.D
Report Date: 02-Jul-2004 08:39

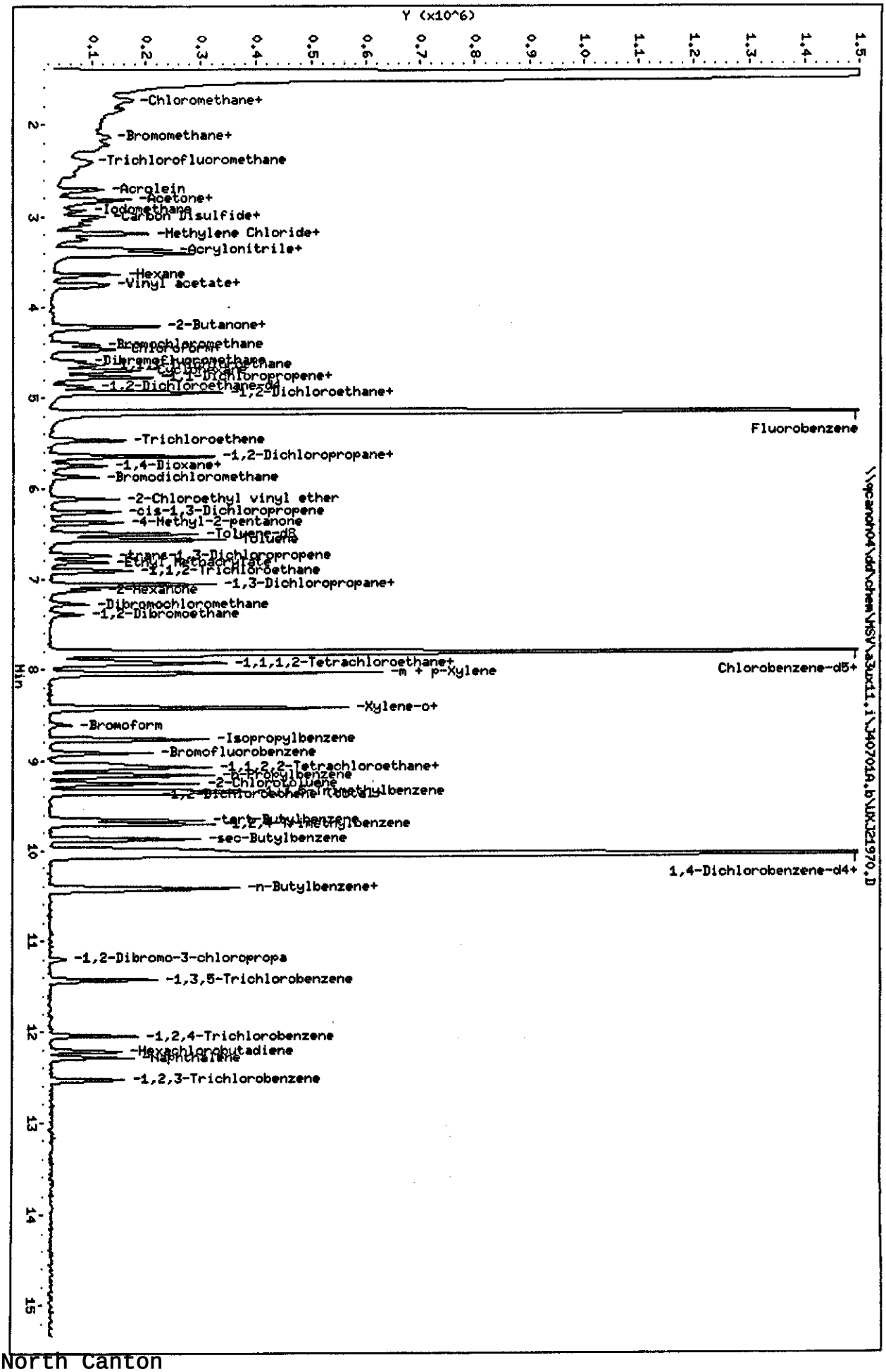
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.615	8.615	(1.103)	51266	10.0000	8.870
67 Isopropylbenzene	105	8.768	8.768	(1.123)	457957	10.0000	9.442
68 1,1,2,2-Tetrachloroethane	83	9.041	9.041	(0.900)	141750	10.0000	10.173
69 1,4-Dichloro-2-butene	53	9.088	9.088	(0.905)	35054	10.0000	9.720
70 1,2,3-Trichloropropane	110	9.088	9.088	(0.905)	45550	10.0000	10.320
71 Bromobenzene	156	9.076	9.076	(0.903)	135247	10.0000	10.081
72 n-Propylbenzene	120	9.171	9.171	(0.913)	127866	10.0000	9.504
73 2-Chlorotoluene	126	9.254	9.254	(0.921)	127347	10.0000	9.982
74 1,3,5-Trimethylbenzene	105	9.336	9.336	(0.929)	394157	10.0000	9.422
75 4-Chlorotoluene	126	9.360	9.360	(0.932)	134268	10.0000	9.894
76 tert-Butylbenzene	119	9.656	9.656	(0.961)	318634	10.0000	9.355
77 1,2,4-Trimethylbenzene	105	9.703	9.703	(0.966)	426073	10.0000	9.614
78 sec-Butylbenzene	105	9.869	9.869	(0.982)	449581	10.0000	9.319
79 4-Isopropyltoluene	119	10.011	10.011	(0.996)	368903	10.0000	9.250
80 1,3-Dichlorobenzene	146	9.987	9.987	(0.994)	255281	10.0000	9.954
81 1,4-Dichlorobenzene	146	10.070	10.070	(1.002)	277851	10.0000	10.378
82 n-Butylbenzene	91	10.413	10.413	(1.037)	334218	10.0000	9.227
83 1,2-Dichlorobenzene	146	10.437	10.437	(1.039)	247954	10.0000	9.956
84 1,2-Dibromo-3-chloropropane	157	11.206	11.206	(1.115)	20910	10.0000	9.259
85 1,2,4-Trichlorobenzene	180	12.046	12.046	(1.199)	133107	10.0000	9.964
86 Hexachlorobutadiene	225	12.224	12.224	(1.217)	61101	10.0000	10.749
87 Naphthalene	128	12.283	12.283	(1.223)	300151	10.0000	8.977
88 1,2,3-Trichlorobenzene	180	12.531	12.531	(1.247)	114660	10.0000	10.064
98 Cyclohexane	56	4.698	4.698	(0.911)	166614	10.0000	8.798
143 Methyl Acetate	43	3.100	3.100	(0.601)	165702	20.0000	19.979
144 Methylcyclohexane	83	5.645	5.645	(1.094)	132914	10.0000	8.587
141 1,3,5-Trichlorobenzene	180	11.431	11.431	(1.138)	149393	10.0000	10.089

QC Flag Legend

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

Data File: \\qcanon04\dd\chem\HSV\a3ux11.i\J40701A.b\UKJ21970.D
Date : 01-JUL-2004 17:15
Client ID:
Sample Info: 5NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21970.D
Report Date: 02-Jul-2004 08:39

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21970.D
Lab Smp Id: 5NG-IC
Inj Date : 01-JUL-2004 17:15
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 5NG-IC
Misc Info : J40701A,8260LLUX11,2-8260.SUB,43582,1,1
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Meth Date : 02-Jul-2004 08:39 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 19 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	2221300	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1667637	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	922043	50.0000	
$ 4 Dibromofluoromethane	113	4.591	4.591	(0.890)	44293	5.00000	4.827
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	58898	5.00000	4.950
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	192269	5.00000	4.834
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	81566	5.00000	4.886
8 Dichlorodifluoromethane	85	1.586	1.586	(0.307)	57325	5.00000	4.542
9 Chloromethane	50	1.740	1.740	(0.337)	92703	5.00000	5.484
10 Vinyl Chloride	62	1.834	1.834	(0.356)	73349	5.00000	4.916
11 Bromomethane	94	2.130	2.130	(0.413)	40558	5.00000	6.217
12 Chloroethane	64	2.213	2.213	(0.429)	45842	5.00000	4.974
13 Trichlorofluoromethane	101	2.390	2.390	(0.463)	63003	5.00000	4.670
15 Acrolein	56	2.710	2.710	(0.525)	95596	50.0000	49.276
16 Acetone	43	2.828	2.828	(0.548)	58070	10.0000	11.325
17 1,1-Dichloroethene	96	2.816	2.816	(0.546)	55866	5.00000	5.124
18 Freon-113	151	2.852	2.852	(0.553)	36817	5.00000	4.838

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21970.D
Report Date: 02-Jul-2004 08:39

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.935	2.935	(0.569)	68889	5.00000	4.875
	20 Carbon Disulfide	76	3.006	3.006	(0.583)	192970	5.00000	5.019
	21 Methylene Chloride	84	3.183	3.183	(0.617)	111892	5.00000	5.157
	22 Acetonitrile	41	3.053	3.053	(0.592)	77065	50.0000	50.266
	23 Acrylonitrile	53	3.372	3.372	(0.654)	222329	50.0000	49.830
	24 Methyl tert-butyl ether	73	3.420	3.420	(0.663)	133615	5.00000	4.750
	25 trans-1,2-Dichloroethene	96	3.420	3.420	(0.663)	60664	5.00000	5.216
	26 Hexane	86	3.645	3.645	(0.706)	11236	5.00000	4.689
	27 Vinyl acetate	43	3.775	3.775	(0.732)	96861	5.00000	4.536
	28 1,1-Dichloroethane	63	3.751	3.751	(0.727)	100611	5.00000	4.876
	29 tert-Butyl Alcohol	59	3.254	3.254	(0.631)	75695	100.000	96.381
	30 2-Butanone	43	4.213	4.213	(0.817)	67449	10.0000	10.662
M	31 1,2-Dichloroethene (total)	96				120816	10.0000	10.257
	32 cis-1,2-dichloroethene	96	4.224	4.224	(0.819)	60152	5.00000	5.041
	33 2,2-Dichloropropane	77	4.224	4.224	(0.819)	43970	5.00000	4.919
	34 Bromochloromethane	128	4.414	4.414	(0.856)	26000	5.00000	4.829
	35 Chloroform	83	4.473	4.473	(0.867)	102715	5.00000	5.309
	36 Tetrahydrofuran	42	4.461	4.461	(0.865)	18032	5.00000	5.247
	37 1,1,1-Trichloroethane	97	4.639	4.639	(0.899)	69079	5.00000	4.994
	38 1,1-Dichloropropene	75	4.769	4.769	(0.924)	74364	5.00000	4.877
	39 Carbon Tetrachloride	117	4.781	4.781	(0.927)	49466	5.00000	4.641
	40 1,2-Dichloroethane	62	4.946	4.946	(0.959)	75691	5.00000	5.127
	41 Benzene	78	4.946	4.946	(0.959)	263403	5.00000	5.190
	42 Trichloroethene	130	5.467	5.467	(1.060)	59197	5.00000	5.015
	43 1,2-Dichloropropane	63	5.656	5.656	(1.096)	61071	5.00000	4.903
	44 1,4-Dioxane	88	5.751	5.751	(1.115)	26543	250.000	220.36(A)
	45 Dibromomethane	93	5.751	5.751	(1.115)	32838	5.00000	4.992
	46 Bromodichloromethane	83	5.881	5.881	(1.140)	69717	5.00000	5.064
	47 2-Chloroethyl vinyl ether	63	6.118	6.118	(1.186)	55468	10.0000	8.630
	48 cis-1,3-Dichloropropene	75	6.260	6.260	(1.213)	83414	5.00000	4.574
	49 4-Methyl-2-pentanone	43	6.378	6.378	(1.236)	101157	10.0000	9.366
	50 Toluene	91	6.567	6.567	(0.841)	247414	5.00000	4.892
	51 trans-1,3-Dichloropropene	75	6.733	6.733	(0.862)	71698	5.00000	4.605
	52 Ethyl Methacrylate	69	6.804	6.804	(0.871)	68457	5.00000	4.503
	53 1,1,2-Trichloroethane	97	6.911	6.911	(0.885)	52694	5.00000	5.167
	54 1,3-Dichloropropane	76	7.064	7.064	(0.905)	94990	5.00000	5.040
	55 Tetrachloroethene	164	7.064	7.064	(0.905)	45593	5.00000	5.310
	56 2-Hexanone	43	7.123	7.123	(0.912)	69545	10.0000	8.537
	57 Dibromochloromethane	129	7.277	7.277	(0.932)	43629	5.00000	4.800
	58 1,2-Dibromoethane	107	7.384	7.384	(0.945)	49747	5.00000	4.941
	59 Chlorobenzene	112	7.845	7.845	(1.005)	164954	5.00000	5.096
	60 1,1,1,2-Tetrachloroethane	131	7.916	7.916	(1.014)	47241	5.00000	4.662
	61 Ethylbenzene	106	7.940	7.940	(1.017)	77075	5.00000	4.555
	62 m + p-Xylene	106	8.046	8.046	(1.030)	200730	10.0000	9.363
M	63 Xylenes (total)	106				301188	15.0000	14.138
	64 Xylene-o	106	8.425	8.425	(1.079)	100458	5.00000	4.775
	65 Styrene	104	8.437	8.437	(1.080)	164812	5.00000	4.451

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21970.D
Report Date: 02-Jul-2004 08:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.603	8.603	(1.102)	26372	5.00000	4.567
67 Isopropylbenzene	105	8.768	8.768	(1.123)	217677	5.00000	4.492
68 1,1,2,2-Tetrachloroethane	83	9.040	9.040	(0.900)	71107	5.00000	5.117
69 1,4-Dichloro-2-butene	53	9.100	9.100	(0.906)	15874	5.00000	4.414
70 1,2,3-Trichloropropane	110	9.088	9.088	(0.905)	23079	5.00000	5.243
71 Bromobenzene	156	9.076	9.076	(0.903)	68424	5.00000	5.114
72 n-Propylbenzene	120	9.171	9.171	(0.913)	59971	5.00000	4.470
73 2-Chlorotoluene	126	9.253	9.253	(0.921)	63787	5.00000	5.014
74 1,3,5-Trimethylbenzene	105	9.336	9.336	(0.929)	186083	5.00000	4.460
75 4-Chlorotoluene	126	9.360	9.360	(0.932)	65597	5.00000	4.847
76 tert-Butylbenzene	119	9.656	9.656	(0.961)	152914	5.00000	4.502
77 1,2,4-Trimethylbenzene	105	9.703	9.703	(0.966)	197507	5.00000	4.468
78 sec-Butylbenzene	105	9.869	9.869	(0.982)	219574	5.00000	4.564
79 4-Isopropyltoluene	119	10.011	10.011	(0.996)	181492	5.00000	4.563
80 1,3-Dichlorobenzene	146	9.987	9.987	(0.994)	130204	5.00000	5.091
81 1,4-Dichlorobenzene	146	10.070	10.070	(1.002)	131957	5.00000	4.942
82 n-Butylbenzene	91	10.413	10.413	(1.037)	166698	5.00000	4.615
83 1,2-Dichlorobenzene	146	10.437	10.437	(1.039)	126441	5.00000	5.091
84 1,2-Dibromo-3-chloropropane	157	11.206	11.206	(1.115)	10124	5.00000	4.495
85 1,2,4-Trichlorobenzene	180	12.046	12.046	(1.199)	64040	5.00000	4.807
86 Hexachlorobutadiene	225	12.212	12.212	(1.216)	31572	5.00000	5.569
87 Naphthalene	128	12.283	12.283	(1.223)	139344	5.00000	4.179
88 1,2,3-Trichlorobenzene	180	12.531	12.531	(1.247)	57316	5.00000	5.044
98 Cyclohexane	56	4.698	4.698	(0.911)	88764	5.00000	4.557
143 Methyl Acetate	43	3.100	3.100	(0.601)	91995	10.0000	10.785
144 Methylcyclohexane	83	5.644	5.644	(1.094)	76448	5.00000	4.802
141 1,3,5-Trichlorobenzene	180	11.431	11.431	(1.138)	71598	5.00000	4.848

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21971.D
Report Date: 02-Jul-2004 08:40

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: 2-8260.SUB
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Misc Info: J40701A,8260LLUX11,2-8260.SUB,43582,3

Client SDG: SDGa00810
Fraction: VOA

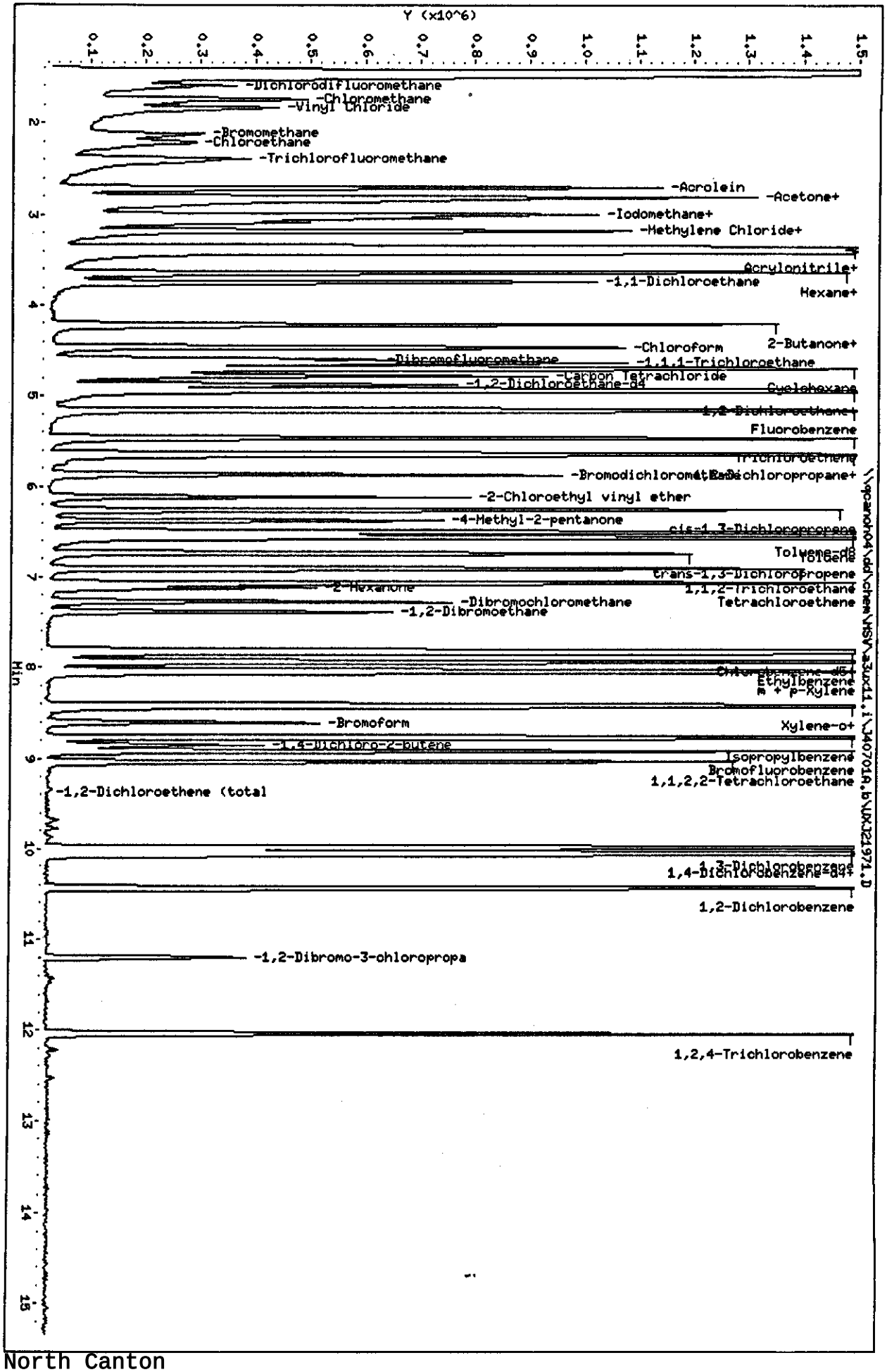
Operator: 43582
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	10.351	103.51	45-155
	42 Trichloroethene	10.000	10.127	101.27	45-155
	59 Chlorobenzene	10.000	10.486	104.86	45-155
	50 Toluene	10.000	10.525	105.25	45-155
	41 Benzene	10.000	10.285	102.85	45-155
	16 Acetone	10.000	7.689	76.89	45-155
	20 Carbon Disulfide	10.000	10.690	106.90	45-155
	9 Chloromethane	10.000	8.965	89.65	45-155
	11 Bromomethane	10.000	9.048	90.48	45-155
	10 Vinyl Chloride	10.000	9.496	94.96	45-155
	12 Chloroethane	10.000	9.371	93.71	45-155
	21 Methylene Chloride	10.000	9.754	97.54	45-155
	28 1,1-Dichloroethane	10.000	10.537	105.37	45-155
M	31 1,2-Dichloroethene	20.000	20.881	104.41	45-155
	35 Chloroform	10.000	10.302	103.02	45-155
	40 1,2-Dichloroethane	10.000	10.366	103.66	45-155
	30 2-Butanone	10.000	8.620	86.20	45-155
	37 1,1,1-Trichloroeth	10.000	10.649	106.49	45-155
	39 Carbon Tetrachlori	10.000	10.904	109.04	45-155
	46 Bromodichlorometha	10.000	10.364	103.64	45-155
	43 1,2-Dichloropropan	10.000	10.342	103.42	45-155
	48 cis-1,3-Dichloropr	10.000	10.302	103.02	45-155
	57 Dibromochlorometha	10.000	10.202	102.02	45-155
	53 1,1,2-Trichloroeth	10.000	10.134	101.34	45-155
	51 trans-1,3-Dichloro	10.000	10.247	102.47	45-155
	66 Bromoform	10.000	10.269	102.69	45-155
	49 4-Methyl-2-pentano	10.000	10.087	100.87	45-155
	56 2-Hexanone	10.000	8.961	89.61	45-155
	55 Tetrachloroethene	10.000	10.320	103.20	45-155
	68 1,1,2,2-Tetrachlor	10.000	10.464	104.64	45-155
	61 Ethylbenzene	10.000	10.505	105.05	45-155
	65 Styrene	10.000	10.614	106.14	45-155
M	63 Xylenes (total)	30.000	31.838	106.13	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21971.D
Report Date: 02-Jul-2004 08:40

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
32 cis-1,2-dichloroet	10.000	10.424	104.24	45-155
25 trans-1,2-Dichloro	10.000	10.458	104.58	45-155
8 Dichlorodifluorome	10.000	8.784	87.84	45-155
13 Trichlorofluoromet	10.000	10.731	107.31	45-155
18 Freon-113	10.000	12.177	121.77	45-155
24 Methyl tert-butyl	10.000	10.677	106.77	45-155
58 1,2-Dibromoethane	10.000	10.411	104.11	45-155
67 Isopropylbenzene	10.000	10.905	109.05	45-155
80 1,3-Dichlorobenzen	10.000	10.123	101.23	45-155
81 1,4-Dichlorobenzen	10.000	10.494	104.94	45-155
83 1,2-Dichlorobenzen	10.000	10.127	101.27	45-155
84 1,2-Dibromo-3-chlo	10.000	11.067	110.67	45-155
85 1,2,4-Trichloroben	10.000	9.688	96.88	45-155
98 Cyclohexane	10.000	11.012	110.12	45-155
143 Methyl Acetate	10.000	11.137	111.37	45-155
144 Methylcyclohexane	10.000	10.627	106.27	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.308	93.08	73-122
$ 5 1,2-Dichloroethane	10.000	8.794	87.94	61-128
$ 6 Toluene-d8	10.000	9.369	93.69	76-110
$ 7 Bromofluorobenzene	10.000	9.192	91.92	74-116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Date : 01-JUL-2004 17:37
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
Acrylonitrile+
-1,1-Dichloroethane
Hexane+
2-Butanone+
-Chloroform
-Dibromofluoromethane
-1,1,1-Trichloroethane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Cyclohexane
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-4-Methyl-2-pentanone
cis-1,3-Dichloropropene
Toluene-d8
Toluene
trans-1,3-Dichloropropene
-2-Hexanone
1,1,2-Trichloroethane
-Dibromochloromethane
Tetrachloroethene
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-1,4-Dichloro-2-butene
Isopropylbenzene
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
\\qcanoh04\dd\chem\HSV\a3ux11.i\J40701A.b\UXJ21971.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21971.D
Report Date: 02-Jul-2004 08:40

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21971.D
Lab Smp Id: ICV
Inj Date : 01-JUL-2004 17:37
Operator : 43582 Inst ID: a3ux11.i
Smp Info : ICV
Misc Info : J40701A,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Meth Date : 02-Jul-2004 08:39 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 20 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	2225567	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1679377	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	933657	50.0000	
$ 4 Dibromofluoromethane	113	4.591	4.591	(0.890)	427890	46.5395	9.308
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	524200	43.9710	8.794
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	1876223	46.8440	9.369
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	772743	45.9626	9.192
8 Dichlorodifluoromethane	85	1.586	1.586	(0.307)	555296	43.9180	8.784
9 Chloromethane	50	1.739	1.740	(0.337)	759192	44.8266	8.965
10 Vinyl Chloride	62	1.834	1.834	(0.356)	709769	47.4780	9.496
11 Bromomethane	94	2.118	2.130	(0.411)	295666	45.2381	9.048
12 Chloroethane	64	2.213	2.213	(0.429)	432660	46.8538	9.371
13 Trichlorofluoromethane	101	2.390	2.390	(0.463)	725189	53.6544	10.731
15 Acrolein	56	2.710	2.710	(0.525)	1248717	642.437	128.49
16 Acetone	43	2.828	2.828	(0.548)	197522	38.4474	7.689
17 1,1-Dichloroethene	96	2.816	2.816	(0.546)	565339	51.7552	10.351
18 Freon-113	151	2.852	2.852	(0.553)	464224	60.8853	12.177

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21971.D
Report Date: 02-Jul-2004 08:40

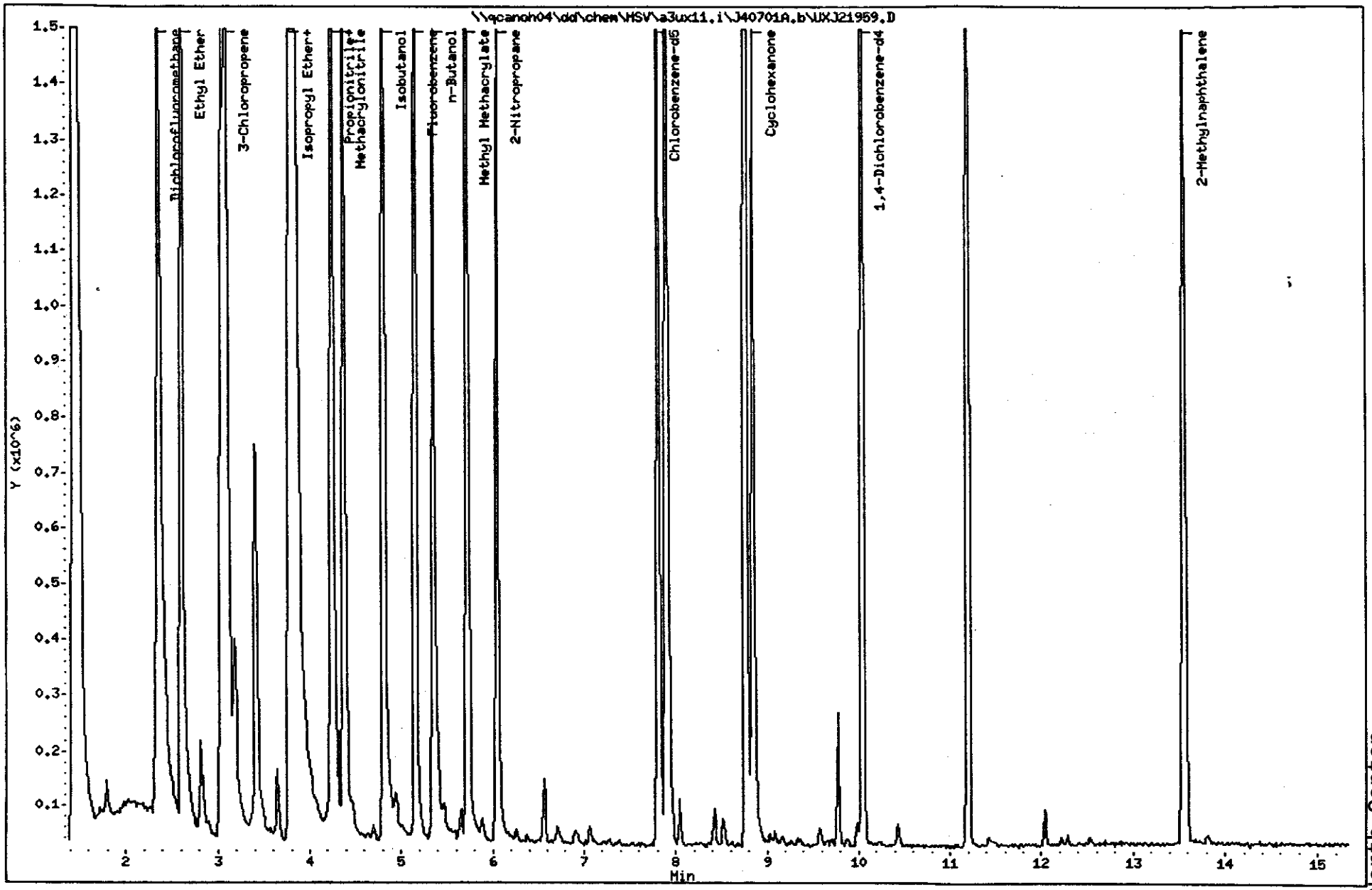
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	3.017	2.935	(0.585)	13771	0.97267	0.1945
	20 Carbon Disulfide	76	3.006	3.006	(0.583)	2058822	53.4507	10.690
	21 Methylene Chloride	84	3.183	3.183	(0.617)	638679	48.7692	9.754
	22 Acetonitrile	41	3.041	3.053	(0.589)	831997	541.633	108.33
	23 Acrylonitrile	53	3.372	3.372	(0.654)	2515631	562.738	112.55
	24 Methyl tert-butyl ether	73	3.408	3.420	(0.661)	1504592	53.3843	10.677
	25 trans-1,2-Dichloroethene	96	3.420	3.420	(0.663)	609330	52.2886	10.458
	26 Hexane	86	3.645	3.645	(0.706)	143131	59.6174	11.923
	27 Vinyl acetate	43	3.645	3.775	(0.706)	498511	23.3021	4.660
	28 1,1-Dichloroethane	63	3.751	3.751	(0.727)	1089175	52.6839	10.537
	29 tert-Butyl Alcohol	59	3.100	3.254	(0.601)	37640	47.8345	9.567
	30 2-Butanone	43	4.213	4.213	(0.817)	273193	43.1026	8.620
M	31 1,2-Dichloroethene (total)	96				1232419	104.407	20.881
	32 cis-1,2-dichloroethene	96	4.213	4.224	(0.817)	623089	52.1183	10.424
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.473	4.473	(0.867)	998500	51.5099	10.302
	36 Tetrahydrofuran	42	4.213	4.461	(0.817)	17568	5.10218	1.020
	37 1,1,1-Trichloroethane	97	4.639	4.639	(0.899)	737858	53.2451	10.649
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.781	4.781	(0.927)	582248	54.5199	10.904
	40 1,2-Dichloroethane	62	4.934	4.946	(0.956)	766626	51.8292	10.366
	41 Benzene	78	4.946	4.946	(0.959)	2614770	51.4244	10.285
	42 Trichloroethene	130	5.467	5.467	(1.060)	598813	50.6339	10.127
	43 1,2-Dichloropropane	63	5.656	5.656	(1.096)	645396	51.7114	10.342
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.881	5.881	(1.140)	714757	51.8181	10.364
	47 2-Chloroethyl vinyl ether	63	6.118	6.118	(1.186)	364172	56.5499	11.310
	48 cis-1,3-Dichloropropene	75	6.260	6.260	(1.213)	941193	51.5124	10.302
	49 4-Methyl-2-pentanone	43	6.378	6.378	(1.236)	545755	50.4362	10.087
	50 Toluene	91	6.567	6.567	(0.841)	2679991	52.6256	10.525
	51 trans-1,3-Dichloropropene	75	6.745	6.733	(0.864)	803296	51.2364	10.247
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.910	6.911	(0.885)	520385	50.6680	10.134
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.064	7.064	(0.905)	446187	51.6030	10.320
	56 2-Hexanone	43	7.123	7.123	(0.912)	367541	44.8036	8.961
	57 Dibromochloromethane	129	7.277	7.277	(0.932)	466985	51.0128	10.202
	58 1,2-Dibromoethane	107	7.384	7.384	(0.945)	527779	52.0534	10.411
	59 Chlorobenzene	112	7.845	7.845	(1.005)	1709170	52.4321	10.486
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.940	7.940	(1.017)	895076	52.5246	10.505
	62 m + p-Xylene	106	8.046	8.046	(1.030)	2314902	107.227	21.445
M	63 Xylenes (total)	106				3415825	159.189	31.838
	64 Xylene-o	106	8.425	8.425	(1.079)	1100923	51.9621	10.392
	65 Styrene	104	8.437	8.437	(1.080)	1979044	53.0699	10.614

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21971.D
Report Date: 02-Jul-2004 08:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	8.614	8.603	(1.103)	298574	51.3468	10.269
67 Isopropylbenzene	105	8.768	8.768	(1.123)	2660971	54.5273	10.905
68 1,1,2,2-Tetrachloroethane	83	9.040	9.040	(0.900)	736216	52.3192	10.464
69 1,4-Dichloro-2-butene	53	8.851	9.100	(0.881)	8265	2.26952	0.4539
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.987	9.987	(0.994)	1310851	50.6131	10.123
81 1,4-Dichlorobenzene	146	10.070	10.070	(1.002)	1418570	52.4689	10.494
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.437	10.437	(1.039)	1273461	50.6366	10.127
84 1,2-Dibromo-3-chloropropane	157	11.206	11.206	(1.115)	126198	55.3343	11.067
85 1,2,4-Trichlorobenzene	180	12.046	12.046	(1.199)	653515	48.4421	9.688
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.698	4.698	(0.911)	1074473	55.0602	11.012
143 Methyl Acetate	43	3.100	3.100	(0.601)	475897	55.6839	11.137
144 Methylcyclohexane	83	5.644	5.644	(1.094)	847497	53.1346	10.627
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40701A.b\UXJ21959.D
Date : 01-JUL-2004 13:05
Client ID:
Sample Info: 200NC-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21959.D
Report Date: 02-Jul-2004 08:32

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21959.D
Lab Smp Id: 200NG-A9IC
Inj Date : 01-JUL-2004 13:05
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 200NG-A9IC
Misc Info : J40701A,8260LLUX11,3-IX.SUB,43582,1,6
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Meth Date : 02-Jul-2004 08:31 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	2200985	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1664741	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	907262	50.0000	
14 Dichlorofluoromethane	67	2.355	2.355	(0.456)	3655820	200.000	205.46(A)
89 Ethyl Ether	59	2.615	2.615	(0.507)	1948621	200.000	202.62(A)
91 3-Chloropropene	76	3.100	3.100	(0.601)	1224278	200.000	208.09(A)
92 Isopropyl Ether	87	3.799	3.799	(0.736)	10390572	1000.00	1043.0(A)
93 2-Chloro-1,3-butadiene	53	3.834	3.834	(0.743)	3439858	200.000	211.01(A)
94 Propionitrile	54	4.248	4.248	(0.823)	664217	400.000	416.56(A)
95 Ethyl Acetate	43	4.260	4.260	(0.826)	4392278	400.000	423.19(A)
96 Methacrylonitrile	41	4.378	4.378	(0.849)	1431749	200.000	207.82(A)
97 Isobutanol	41	4.816	4.816	(0.617)	1329888	4000.00	4387.5(A)
99 n-Butanol	56	5.360	5.360	(0.686)	1149161	4000.00	4764.4(A)
100 Methyl Methacrylate	41	5.727	5.727	(1.110)	2041857	200.000	215.40(A)
101 2-Nitropropane	41	6.059	6.059	(1.174)	1047906	400.000	437.30(A)
103 Cyclohexanone	55	8.851	8.851	(0.881)	889578	2000.00	2174.5(A)
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	1813227	400.000	397.72(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21959.D
Report Date: 02-Jul-2004 08:32

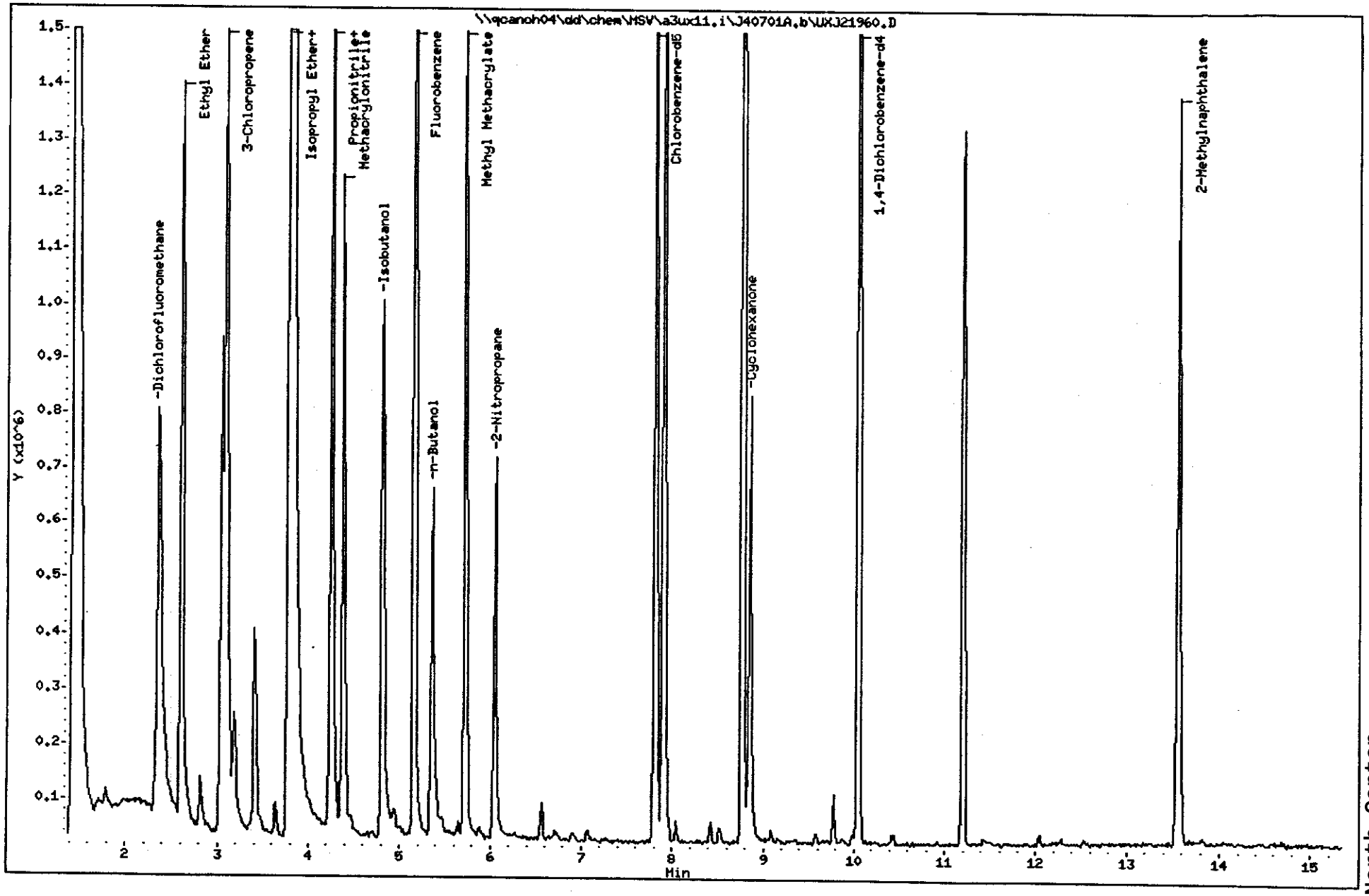
QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21960.D
Date : 01-JUL-2004 13:28
Client ID:
Sample Info: 100NG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i

Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21960.D
Report Date: 02-Jul-2004 08:32

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21960.D
Lab Smp Id: 100NG-A9IC
Inj Date : 01-JUL-2004 13:28
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 100NG-A9IC
Misc Info : J40701A,8260LLUX11,3-IX.SUB,43582,1,5
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Meth Date : 02-Jul-2004 08:32 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 9 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	2233659	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1667718	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	886428	50.0000	
14 Dichlorofluoromethane	67	2.355	2.355	(0.456)	1772423	100.000	98.157
89 Ethyl Ether	59	2.615	2.615	(0.507)	972455	100.000	99.635
91 3-Chloropropene	76	3.100	3.100	(0.601)	597427	100.000	100.06
92 Isopropyl Ether	87	3.799	3.799	(0.736)	5141111	500.000	508.53(A)
93 2-Chloro-1,3-butadiene	53	3.834	3.834	(0.743)	1690676	100.000	102.20
94 Propionitrile	54	4.248	4.248	(0.823)	317732	200.000	196.35
95 Ethyl Acetate	43	4.248	4.248	(0.823)	2071929	200.000	196.71
96 Methacrylonitrile	41	4.378	4.378	(0.849)	694346	100.000	99.313
97 Isobutanol	41	4.816	4.816	(0.617)	603719	2000.00	1988.2(A)
99 n-Butanol	56	5.360	5.360	(0.686)	526600	2000.00	2179.4(A)
100 Methyl Methacrylate	41	5.727	5.727	(1.110)	963663	100.000	100.17
101 2-Nitropropane	41	6.059	6.059	(1.174)	481150	200.000	197.85
103 Cyclohexanone	55	8.851	8.851	(0.881)	410312	1000.00	1026.5(A)
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	988081	200.000	209.52(A)

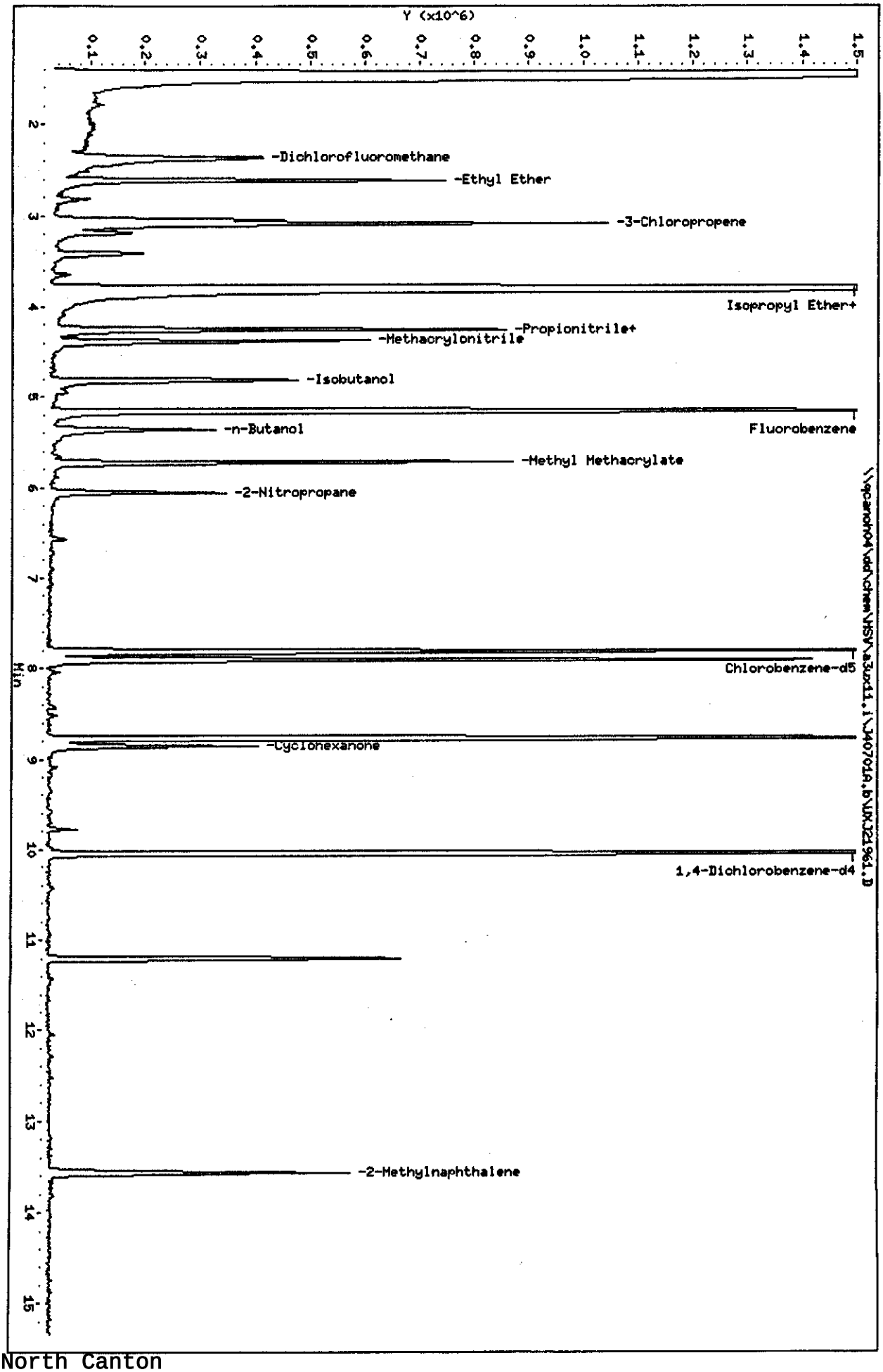
Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21960.D
Report Date: 02-Jul-2004 08:32

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J407016.b\UX121961.D
Date : 01-JUL-2004 13:51
Client ID:
Sample Info: 50NG-69IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21961.D
Report Date: 02-Jul-2004 08:33

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21961.D
Lab Smp Id: 50NG-A9IC
Inj Date : 01-JUL-2004 13:51
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-A9IC
Misc Info : J40701A,8260LLUX11,3-IX.SUB,43582,1,4
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Meth Date : 02-Jul-2004 08:33 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	2156438	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1649176	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	885276	50.0000	
14 Dichlorofluoromethane	67	2.355	2.355	(0.456)	914821	50.0000	52.477
89 Ethyl Ether	59	2.615	2.615	(0.507)	473320	50.0000	50.232
91 3-Chloropropene	76	3.100	3.100	(0.601)	302504	50.0000	52.478
92 Isopropyl Ether	87	3.799	3.799	(0.736)	2516426	250.000	257.82(A)
93 2-Chloro-1,3-butadiene	53	3.834	3.834	(0.743)	826367	50.0000	51.740
94 Propionitrile	54	4.248	4.248	(0.823)	155411	100.000	99.478
95 Ethyl Acetate	43	4.260	4.260	(0.826)	991008	100.000	97.455
96 Methacrylonitrile	41	4.378	4.378	(0.849)	332527	50.0000	49.265
97 Isobutanol	41	4.816	4.816	(0.617)	293315	1000.00	976.83(A)
99 n-Butanol	56	5.360	5.360	(0.686)	239507	1000.00	1002.4(A)
100 Methyl Methacrylate	41	5.727	5.727	(1.110)	471421	50.0000	50.759
101 2-Nitropropane	41	6.059	6.059	(1.174)	235275	100.000	100.21
103 Cyclohexanone	55	8.851	8.851	(0.881)	201359	500.000	504.43(A)
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	411456	100.000	88.413

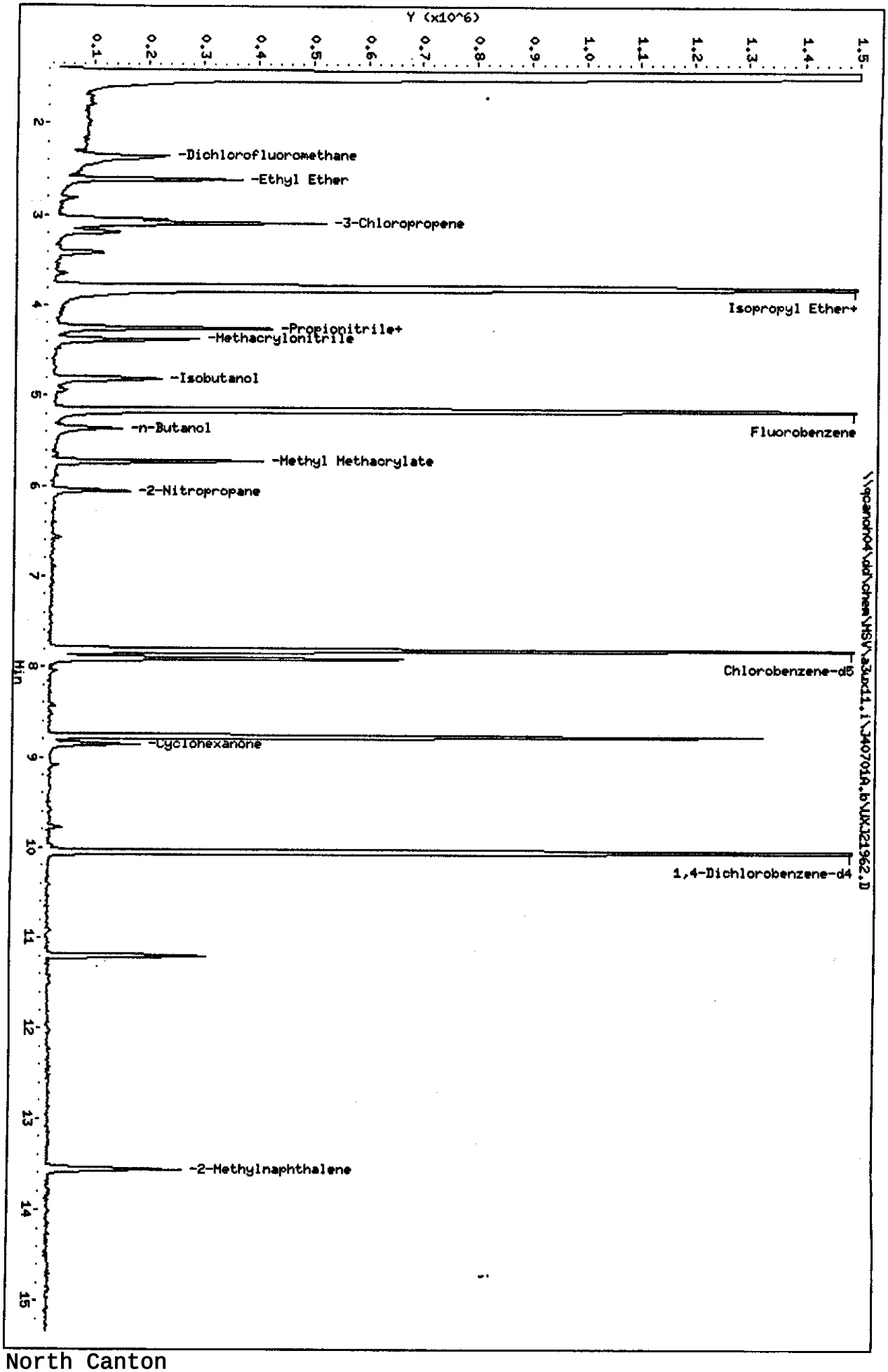
Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21961.D
Report Date: 02-Jul-2004 08:33

QC Flag Legend

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

Data File: \\pcanoh04\dd\chem\HSV\a3ux11.i\J40701A.b\UXJ21962.D
Date : 01-JUL-2004 14:13
Client ID:
Sample Info: 25NC-A91C
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21962.D
Report Date: 02-Jul-2004 08:34

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21962.D
Lab Smp Id: 25NG-A9IC
Inj Date : 01-JUL-2004 14:13
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 25NG-A9IC
Misc Info : J40701A,8260LLUX11,3-IX.SUB,43582,1,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Meth Date : 02-Jul-2004 08:34 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	2148695	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1619469	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	870837	50.0000	
14 Dichlorofluoromethane	67	2.355	2.355	(0.456)	416524	25.0000	23.979
89 Ethyl Ether	59	2.615	2.615	(0.507)	235436	25.0000	25.076
91 3-Chloropropene	76	3.100	3.100	(0.601)	137672	25.0000	23.969
92 Isopropyl Ether	87	3.798	3.798	(0.736)	1185404	125.000	121.89
93 2-Chloro-1,3-butadiene	53	3.834	3.834	(0.743)	370666	25.0000	23.291
94 Propionitrile	54	4.248	4.248	(0.823)	75601	50.0000	48.566
95 Ethyl Acetate	43	4.248	4.248	(0.823)	482524	50.0000	47.622
96 Methacrylonitrile	41	4.378	4.378	(0.849)	153567	25.0000	22.833
97 Isobutanol	41	4.816	4.816	(0.617)	143681	500.000	487.28(A)
99 n-Butanol	56	5.360	5.360	(0.686)	111283	500.000	474.28(A)
100 Methyl Methacrylate	41	5.727	5.727	(1.110)	212487	25.0000	22.961
101 2-Nitropropane	41	6.058	6.058	(1.174)	106073	50.0000	45.342
103 Cyclohexanone	55	8.851	8.851	(0.881)	93118	250.000	237.14(A)
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	179277	50.0000	44.237

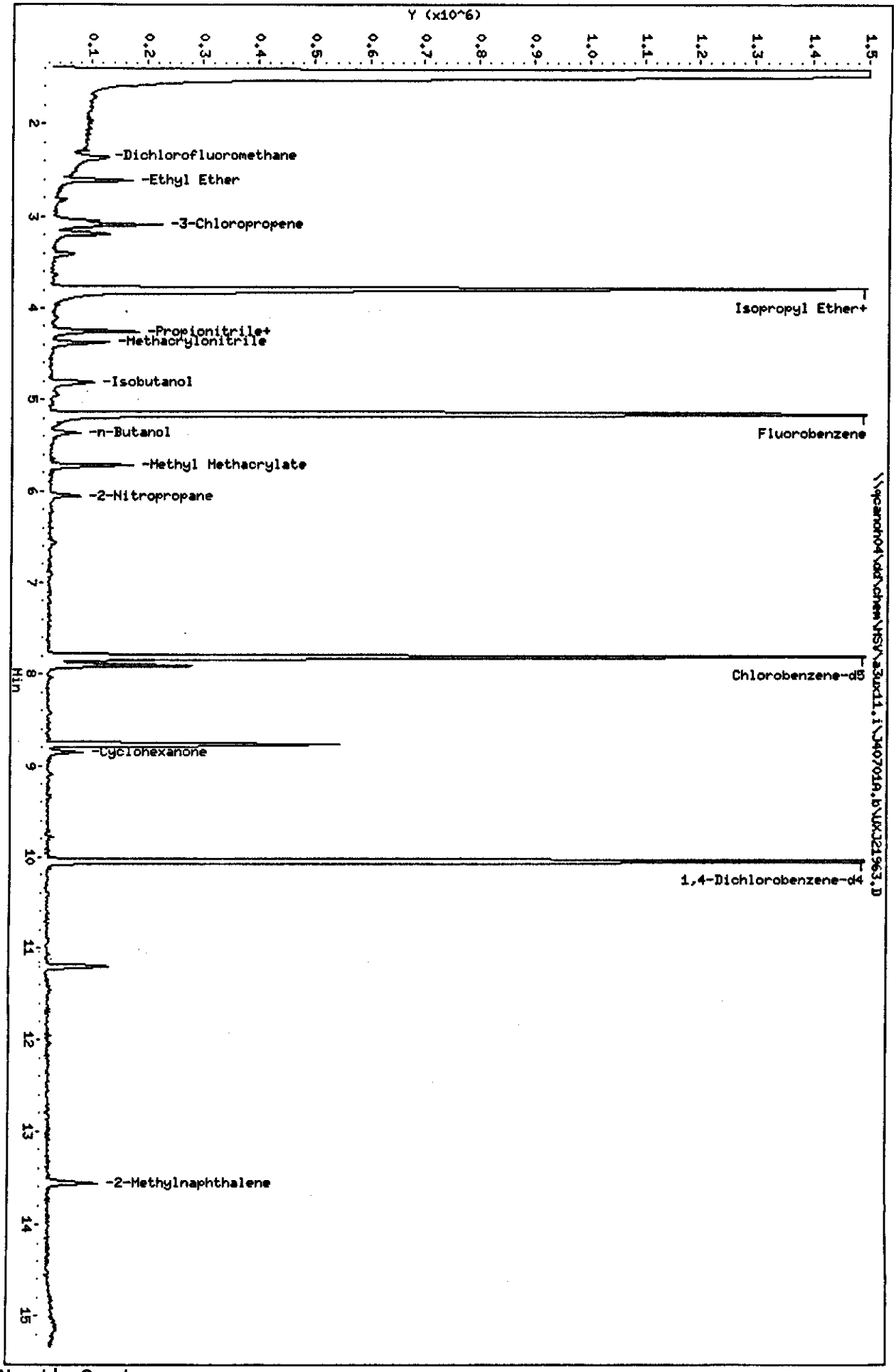
Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21962.D
Report Date: 02-Jul-2004 08:34

QC Flag Legend

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

Data File: \\pcanoh04\dd\chem\HSV\a3ud1.i\J407010.b\UXJ21963.D
Date : 01-JUL-2004 14:36
Client ID:
Sample Info: 10NC-A91C
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ud1.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21963.D
Report Date: 02-Jul-2004 08:35

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21963.D
Lab Smp Id: 10NG-A9IC
Inj Date : 01-JUL-2004 14:36
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 10NG-A9IC
Misc Info : J40701A,8260LLUX11,3-IX.SUB,43582,1,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Meth Date : 02-Jul-2004 08:34 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

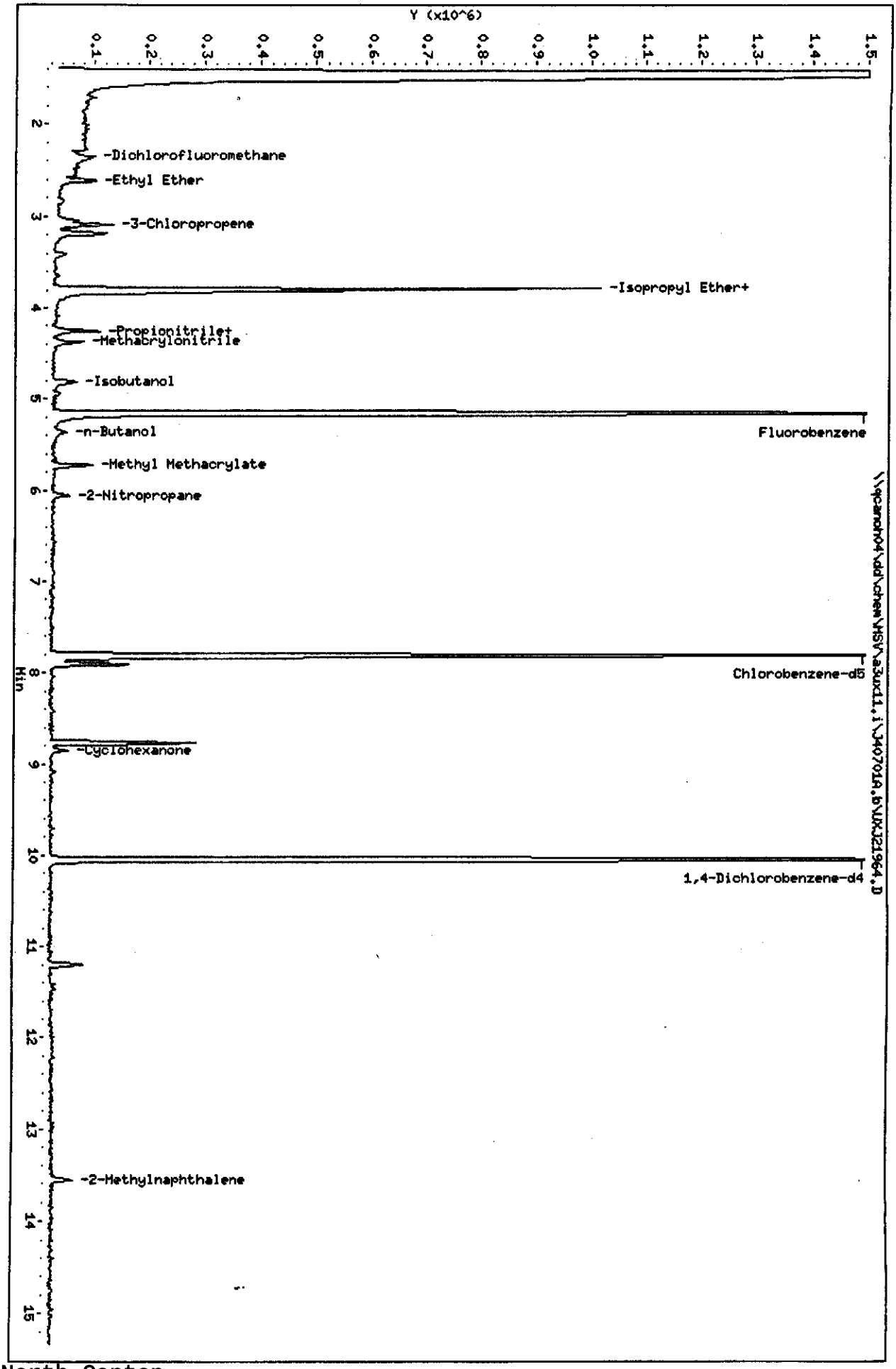
Concentration Formula: Amt * DF * 1/Vo

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	5.159	5.159	(1.000)	2126823	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1638349	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	859121	50.0000	
14 Dichlorofluoromethane	67	2.355	2.355	(0.456)	166507	10.0000	9.684
89 Ethyl Ether	59	2.615	2.615	(0.507)	86473	10.0000	9.305
91 3-Chloropropene	76	3.100	3.100	(0.601)	53986	10.0000	9.496
92 Isopropyl Ether	87	3.798	3.798	(0.736)	456080	50.0000	47.379
93 2-Chloro-1,3-butadiene	53	3.834	3.834	(0.743)	145804	10.0000	9.256
94 Propionitrile	54	4.248	4.248	(0.823)	30488	20.0000	19.787
95 Ethyl Acetate	43	4.260	4.260	(0.826)	193867	20.0000	19.330
96 Methacrylonitrile	41	4.378	4.378	(0.849)	66220	10.0000	9.947
97 Isobutanol	41	4.816	4.816	(0.617)	54224	200.000	181.78
99 n-Butanol	56	5.360	5.360	(0.686)	42404	200.000	178.64
100 Methyl Methacrylate	41	5.727	5.727	(1.110)	84767	10.0000	9.254
101 2-Nitropropane	41	6.059	6.059	(1.174)	44638	20.0000	19.277
103 Cyclohexanone	55	8.851	8.851	(0.881)	34827	100.000	89.902
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	67409	20.0000	23.351

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40701A.b\UXJ21964.D
Date : 01-JUL-2004 14:58
Client ID:
Sample Info: 5NG-A91C
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



\\qcanoh04\dd\chem\HSV\a3ux11.i\J40701A.b\UXJ21964.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21964.D
Report Date: 02-Jul-2004 08:35

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\UXJ21964.D
Lab Smp Id: 5NG-A9IC
Inj Date : 01-JUL-2004 14:58
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 5NG-A9IC
Misc Info : J40701A,8260LLUX11,3-IX.SUB,43582,1,1
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40701A.b\8260LLUX11.m
Meth Date : 02-Jul-2004 08:35 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 13 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	2126109	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1614753	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	840093	50.0000	
14 Dichlorofluoromethane	67	2.355	2.355	(0.456)	87138	5.00000	5.070
89 Ethyl Ether	59	2.615	2.615	(0.507)	48885	5.00000	5.262
91 3-Chloropropene	76	3.100	3.100	(0.601)	28448	5.00000	5.005
92 Isopropyl Ether	87	3.798	3.798	(0.736)	237183	25.0000	24.648
93 2-Chloro-1,3-butadiene	53	3.834	3.834	(0.743)	81168	5.00000	5.154
94 Propionitrile	54	4.248	4.248	(0.823)	15733	10.0000	10.214
95 Ethyl Acetate	43	4.260	4.260	(0.826)	106774	10.0000	10.650
96 Methacrylonitrile	41	4.378	4.378	(0.849)	35750	5.00000	5.372
97 Isobutanol	41	4.816	4.816	(0.617)	30833	100.000	104.87
99 n-Butanol	56	5.360	5.360	(0.686)	20472	100.000	87.505
100 Methyl Methacrylate	41	5.727	5.727	(1.110)	48634	5.00000	5.311
101 2-Nitropropane	41	6.059	6.059	(1.174)	24182	10.0000	10.447
103 Cyclohexanone	55	8.851	8.851	(0.881)	19504	50.0000	51.488
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	31504	10.0000	16.756

Report Date: 20-Jul-2004 10:55

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\8260LLUX11.m
Start Cal Date: 20-MAY-2004 10:38
End Cal Date : 01-JUL-2004 17:15
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
01-JUL-2004 14:58	3-IX	UXJ21964.D
01-JUL-2004 17:15	2-8260	UXJ21970.D
Cal Level: 2 , Cal Amount: 10.000		
01-JUL-2004 14:36	3-IX	UXJ21963.D
01-JUL-2004 16:52	2-8260	UXJ21969.D
Cal Level: 3 , Cal Amount: 25.000		
01-JUL-2004 14:13	3-IX	UXJ21962.D
01-JUL-2004 16:29	2-8260	UXJ21968.D
Cal Level: 4 , Cal Amount: 50.000		
01-JUL-2004 13:51	3-IX	UXJ21961.D
01-JUL-2004 16:07	2-8260	UXJ21967.D
Cal Level: 5 , Cal Amount: 100.00		
01-JUL-2004 13:28	3-IX	UXJ21960.D
01-JUL-2004 15:44	2-8260	UXJ21966.D
Cal Level: 6 , Cal Amount: 200.00		
01-JUL-2004 13:05	3-IX	UXJ21959.D
01-JUL-2004 15:21	2-8260	UXJ21965.D

Continuing Calibration

19-JUL-2004 09:44	3-IX	UXJ22410.D
19-JUL-2004 09:21	2-8260	UXJ22409.D

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22409.D
Report Date: 19-Jul-2004 09:29

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ22409.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\8260LLUX11.m

Injection Date: 19-JUL-2004 09:21
Init. Cal. Date(s): 20-MAY-2004 01-JUL-2004
Init. Cal. Times: 10:38 17:15
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
$	4 Dibromofluoromethane	0.20656	0.20760	0.010	0.5	50.0
$	5 1,2-Dichloroethane-d4	0.26783	0.27061	0.010	1.0	50.0
$	6 Toluene-d8	1.19248	1.11604	0.010	-6.4	50.0
$	7 Bromofluorobenzene	0.50056	0.45427	0.010	-9.2	50.0
	8 Dichlorodifluoromethane	0.28406	0.21564	0.010	-24.1	50.0
	9 Chloromethane	0.38049	0.33081	0.100	-13.1	50.0
	10 Vinyl Chloride	0.33586	0.30751	0.010	-8.4	20.0
	11 Bromomethane	0.14683	0.10781	0.010	-26.6	50.0
	12 Chloroethane	0.20746	0.23769	0.010	14.6	50.0
	13 Trichlorofluoromethane	0.30365	0.34595	0.010	13.9	50.0
	15 Acrolein	0.04367	0.03560	0.010	-18.5	50.0
	16 Acetone	0.11542	0.12321	0.010	6.7	50.0
	17 1,1-Dichloroethene	0.24541	0.27392	0.010	11.6	20.0
	18 Freon-113	0.17129	0.20350	0.010	18.8	50.0
	19 Iodomethane	0.31807	0.31199	0.010	-1.9	50.0
	20 Carbon Disulfide	0.86536	1.16696	0.010	34.9	50.0
	21 Methylene Chloride	50.00000	58.40179	0.010	-16.8	50.0
	22 Acetonitrile	0.03451	0.03674	0.010	6.4	50.0
	23 Acrylonitrile	0.10043	0.10473	0.010	4.3	50.0
	24 Methyl tert-butyl ether	0.63319	0.56330	0.010	-11.0	50.0
	25 trans-1,2-Dichloroethene	0.26180	0.29005	0.010	10.8	50.0
	26 Hexane	0.05394	0.05677	0.010	5.3	20.0
	27 Vinyl acetate	0.48063	0.40004	0.010	-16.8	50.0
	28 1,1-Dichloroethane	0.46446	0.49595	0.100	6.8	50.0
	29 tert-Butyl Alcohol	0.01768	0.01673	0.010	-5.4	50.0
	30 2-Butanone	0.14240	0.13691	0.010	-3.9	50.0
M	31 1,2-Dichloroethene (total)	0.26520	0.28789	0.010	8.6	50.0
	32 cis-1,2-dichloroethene	0.26859	0.28574	0.010	6.4	50.0
	33 2,2-Dichloropropane	0.20121	0.20748	0.010	3.1	50.0
	34 Bromochloromethane	0.12119	0.13043	0.010	7.6	50.0
	35 Chloroform	0.43550	0.47425	0.010	8.9	20.0
	36 Tetrahydrofuran	0.07736	0.07012	0.010	-9.4	50.0
	37 1,1,1-Trichloroethane	0.31133	0.34366	0.010	10.4	50.0
	38 1,1-Dichloropropene	0.34319	0.37321	0.010	8.7	50.0
	39 Carbon Tetrachloride	0.23993	0.28334	0.010	18.1	50.0
	40 1,2-Dichloroethane	0.33231	0.36115	0.010	8.7	50.0

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22409.D
Report Date: 19-Jul-2004 09:29

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ22409.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\8260LLUX11.m

Injection Date: 19-JUL-2004 09:21
Init. Cal. Date(s): 20-MAY-2004 01-JUL-2004
Init. Cal. Times: 10:38 17:15
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	1.14234	1.19307	0.010	4.4	50.0	
	42 Trichloroethene	0.26569	0.27545	0.010	3.7	50.0	
	43 1,2-Dichloropropane	0.28039	0.29388	0.010	4.8	20.0	
	44 1,4-Dioxane	0.00271	0.00270	0.010	-0.5	50.0	<-
	45 Dibromomethane	0.14807	0.15893	0.010	7.3	50.0	
	46 Bromodichloromethane	0.30989	0.34396	0.010	11.0	50.0	
	47 2-Chloroethyl vinyl ether	0.14468	0.13143	0.010	-9.2	50.0	
	48 cis-1,3-Dichloropropene	0.41048	0.42292	0.010	3.0	50.0	
	49 4-Methyl-2-pentanone	0.24310	0.23502	0.010	-3.3	50.0	
	50 Toluene	1.51621	1.55206	0.010	2.4	20.0	
	51 trans-1,3-Dichloropropene	0.46679	0.46594	0.010	-0.2	50.0	
	52 Ethyl Methacrylate	0.45583	0.42763	0.010	-6.2	50.0	
	53 1,1,2-Trichloroethane	0.30578	0.30614	0.010	0.1	50.0	
	54 1,3-Dichloropropane	0.56503	0.56922	0.010	0.7	50.0	
	55 Tetrachloroethene	0.25743	0.27200	0.010	5.7	50.0	
	56 2-Hexanone	0.24424	0.24065	0.010	-1.5	50.0	
	57 Dibromochloromethane	0.27255	0.30915	0.010	13.4	50.0	
	58 1,2-Dibromoethane	0.30187	0.30295	0.010	0.4	50.0	
	59 Chlorobenzene	0.97053	0.96914	0.300	-0.1	50.0	
	60 1,1,1,2-Tetrachloroethane	0.30380	0.32239	0.010	6.1	50.0	
	61 Ethylbenzene	0.50736	0.51793	0.010	2.1	20.0	
	62 m + p-Xylene	0.64276	0.66427	0.010	3.3	50.0	
M	63 Xylenes (total)	0.63878	0.64859	0.010	1.5	50.0	
	64 Xylene-o	0.63080	0.61722	0.010	-2.2	50.0	
	65 Styrene	1.11027	1.15023	0.010	3.6	50.0	
	66 Bromoform	0.17313	0.21119	0.100	22.0	50.0	
	67 Isopropylbenzene	1.45294	1.39609	0.010	-3.9	50.0	
	68 1,1,2,2-Tetrachloroethane	0.75358	0.75193	0.300	-0.2	50.0	
	69 1,4-Dichloro-2-butene	0.19503	0.16181	0.010	-17.0	50.0	
	70 1,2,3-Trichloropropane	0.23870	0.24016	0.010	0.6	50.0	
	71 Bromobenzene	0.72553	0.70740	0.010	-2.5	50.0	
	72 n-Propylbenzene	0.72759	0.67877	0.010	-6.7	50.0	
	73 2-Chlorotoluene	0.68993	0.65481	0.010	-5.1	50.0	
	74 1,3,5-Trimethylbenzene	2.26248	2.21611	0.010	-2.0	50.0	
	75 4-Chlorotoluene	0.73387	0.70233	0.010	-4.3	50.0	
	76 tert-Butylbenzene	1.84201	1.73568	0.010	-5.8	50.0	

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22409.D
Report Date: 19-Jul-2004 09:29

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ22409.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC

Injection Date: 19-JUL-2004 09:21
Init. Cal. Date(s): 20-MAY-2004 01-JUL-2004
Init. Cal. Times: 10:38 17:15
Quant Type: ISTD

Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\8260LLUX11.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	2.39681	2.38887	0.010	-0.3	50.0
78 sec-Butylbenzene	2.60906	2.43453	0.010	-6.7	50.0
79 4-Isopropyltoluene	2.15682	2.04341	0.010	-5.3	50.0
80 1,3-Dichlorobenzene	1.38699	1.32766	0.010	-4.3	50.0
81 1,4-Dichlorobenzene	1.44787	1.38764	0.010	-4.2	50.0
82 n-Butylbenzene	1.95889	1.77609	0.010	-9.3	50.0
83 1,2-Dichlorobenzene	1.34680	1.31086	0.010	-2.7	50.0
84 1,2-Dibromo-3-chloropropane	0.12214	0.14464	0.010	18.4	50.0
85 1,2,4-Trichlorobenzene	0.72246	0.55084	0.010	-23.8	50.0
86 Hexachlorobutadiene	0.30742	0.23650	0.010	-23.1	50.0
87 Naphthalene	1.80814	1.39513	0.010	-22.8	50.0
88 1,2,3-Trichlorobenzene	0.61616	0.44483	0.010	-27.8	50.0
98 Cyclohexane	0.43842	0.48372	0.010	10.3	50.0
143 Methyl Acetate	0.19201	0.20322	0.010	5.8	50.0
144 Methylcyclohexane	0.35834	0.36280	0.010	1.2	50.0
141 1,3,5-Trichlorobenzene	0.80080	0.70889	0.010	-11.5	50.0

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b/UXJ22409.D
Report Date: 07/19/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ22409.D
Analysis Type: WATER

Injection Date: 19-JUL-2004 09:21
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	49.9283	0.1	50.0
0 Bromodichloromethane	50.0000	55.4975	11.0	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	49.8906	0.2	50.0
0 Bromoform	50.0000	60.9929	22.0	50.0
0 Styrene	50.0000	51.7997	3.6	50.0
0 Xylene-o	50.0000	48.9237	2.2	50.0
0 Xylenes (total)	150.0000	152.2699	1.5	50.0
0 2-Hexanone	100.0000	98.5307	1.5	50.0
0 Chloromethane	50.0000	43.4719	13.1	50.0
0 Vinyl Chloride	50.0000	45.7800	8.4	20.0
0 Bromomethane	50.0000	36.7104	26.6	50.0
0 Chloroethane	50.0000	57.2861	14.6	50.0
0 1,1-Dichloroethane	50.0000	53.3901	6.8	50.0
0 Tetrachloroethene	50.0000	52.8290	5.7	50.0
0 Acetone	100.0000	106.7497	6.7	50.0
0 1,1-Dichloroethene	50.0000	55.8088	11.6	20.0
0 m + p-Xylene	100.0000	103.3461	3.3	50.0
0 Ethylbenzene	50.0000	51.0410	2.1	20.0
0 Carbon Disulfide	50.0000	67.4267	34.9	50.0
0 Methylene Chloride	50.0000	58.4018	16.8	50.0
0 1,2-Dichloropropane	50.0000	52.4055	4.8	20.0
0 1,1,2-Trichloroethane	50.0000	50.0582	0.1	50.0
0 Dibromochloromethane	50.0000	56.7152	13.4	50.0
0 trans-1,2-Dichloroethene	50.0000	55.3938	10.8	50.0
0 trans-1,3-Dichloropropene	50.0000	49.9094	0.2	50.0
0 cis-1,3-Dichloropropene	50.0000	51.5153	3.0	50.0
0 Chloroform	50.0000	54.4490	8.9	20.0
0 Toluene	50.0000	51.1824	2.4	20.0
0 2-Butanone	100.0000	96.1493	3.9	50.0
0 1,2-Dichloroethene (total)	100.0000	108.5856	8.6	50.0
0 cis-1,2-dichloroethene	50.0000	53.1919	6.4	50.0
0 4-Methyl-2-pentanone	100.0000	96.6745	3.3	50.0
0 1,2-Dichloroethane	50.0000	54.3399	8.7	50.0
0 Trichloroethene	50.0000	51.8356	3.7	50.0
0 1,1,1-Trichloroethane	50.0000	55.1914	10.4	50.0
0 Carbon Tetrachloride	50.0000	59.0468	18.1	50.0
0 Benzene	50.0000	52.2208	4.4	50.0
38 Dichlorodifluoromethane	50.0000	37.9570	24.1	50.0
39 Trichlorofluoromethane	50.0000	56.9646	13.9	50.0

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b/UXJ22409.D
Report Date: 07/19/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ22409.D
Analysis Type: WATER

Injection Date: 19-JUL-2004 09:21
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
40 Acrolein	500.0000	407.5733	18.5	50.0
41 Acrylonitrile	500.0000	521.4162	4.3	50.0
42 Vinyl acetate	50.0000	41.6163	16.8	50.0
43 2-Chloroethyl vinyl ether	100.0000	90.8424	9.2	50.0
47 Freon-113	50.0000	59.3993	18.8	50.0
48 1,3-Dichlorobenzene	50.0000	47.8613	4.3	50.0
49 1,4-Dichlorobenzene	50.0000	47.9199	4.2	50.0
50 1,2-Dichlorobenzene	50.0000	48.6657	2.7	50.0
51 Acetonitrile	500.0000	532.2478	6.4	50.0
52 Iodomethane	50.0000	49.0434	1.9	50.0
59 1,4-Dioxane	2500.0000	2487.9246	0.5	50.0
60 Dibromomethane	50.0000	53.6671	7.3	50.0
62 Ethyl Methacrylate	50.0000	46.9061	6.2	50.0
63 1,2-Dibromoethane	50.0000	50.1784	0.4	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	53.0582	6.1	50.0
65 1,2,3-Trichloropropane	50.0000	50.3056	0.6	50.0
66 1,4-Dichloro-2-butene	50.0000	41.4841	17.0	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	59.2134	18.4	50.0
82 Methyl tert-butyl ether	50.0000	44.4814	11.0	50.0
84 Tetrahydrofuran	50.0000	45.3213	9.4	50.0
98 2,2-Dichloropropane	50.0000	51.5566	3.1	50.0
99 1,1-Dichloropropene	50.0000	54.3736	8.7	50.0
100 1,3-Dichloropropane	50.0000	50.3713	0.7	50.0
102 Bromobenzene	50.0000	48.7505	2.5	50.0
103 2-Chlorotoluene	50.0000	47.4548	5.1	50.0
104 n-Propylbenzene	50.0000	46.6453	6.7	50.0
105 4-Chlorotoluene	50.0000	47.8509	4.3	50.0
106 1,3,5-Trimethylbenzene	50.0000	48.9750	2.0	50.0
107 tert-Butylbenzene	50.0000	47.1138	5.8	50.0
108 1,2,4-Trimethylbenzene	50.0000	49.8344	0.3	50.0
109 sec-Butylbenzene	50.0000	46.6554	6.7	50.0
110 4-Isopropyltoluene	50.0000	47.3709	5.3	50.0
111 n-Butylbenzene	50.0000	45.3341	9.3	50.0
112 1,2,4-Trichlorobenzene	50.0000	38.1226	23.8	50.0
113 Naphthalene	50.0000	38.5791	22.8	50.0
114 Hexachlorobutadiene	50.0000	38.4658	23.1	50.0
115 1,2,3-Trichlorobenzene	50.0000	36.0974	27.8	50.0
124 tert-Butyl Alcohol	1000.0000	946.4445	5.4	50.0

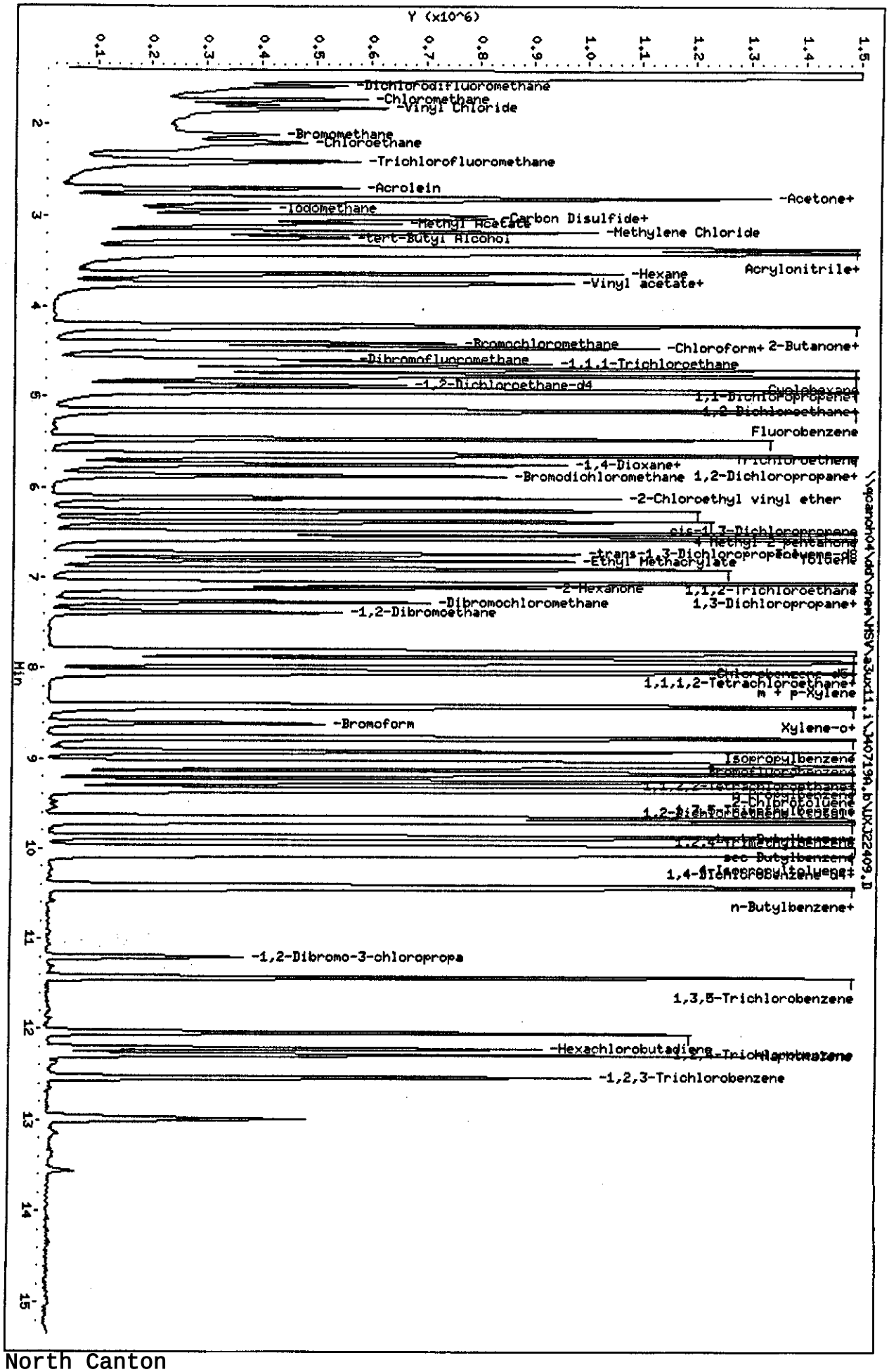
Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b/UXJ22409.D
Report Date: 07/19/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ22409.D
Analysis Type: WATER

Injection Date: 19-JUL-2004 09:21
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
125 Hexane	50.0000	52.6253	5.3	20.0
127 Cyclohexane	50.0000	55.1671	10.3	50.0
128 Isopropylbenzene	50.0000	48.0437	3.9	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	53.8122	7.6	50.0
141 1,3,5-Trichlorobenzene	50.0000	44.2616	11.5	50.0
143 Methyl Acetate	100.0000	105.8431	5.8	50.0
144 Methylcyclohexane	50.0000	50.6229	1.2	50.0
22 Toluene-d8	50.0000	46.7948	6.4	50.0
32 Bromofluorobenzene	50.0000	45.3768	9.2	50.0
47 1,2-Dichloroethane-d4	50.0000	50.5180	1.0	50.0
131 Dibromofluoromethane	50.0000	50.2519	0.5	50.0


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\3407199.b\UXJ22409.D
Date : 19-JUL-2004 09:21
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column Phase: DB624
Instrument: a3ux11.i
Operator: 43682
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Methyl Acetate
-Carbon Disulfide+
-Methylene Chloride
-tert-Butyl Alcohol
Acrylonitrile+
-Hexane
-Vinyl acetate+
-Bromochloromethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane
-1,1,1-Trichloroethane
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
-trans-1,3-Dichloropropene-d6
Toluene
-Ethyl Methacrylate
-2-Hexanone
1,1,2-Trichloroethane
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,2-Dichlorobenzene
2,5-Trimethylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
4-Isopropyltoluene
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-Hexachlorobutadiene
1,2,4-Trichlorobenzene
-1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22409.D
Report Date: 20-Jul-2004 10:58

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22409.D
Lab Smp Id: 50NG-CC
Inj Date : 19-JUL-2004 09:21
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-CC
Misc Info : J40719A,8260LLUX11,2-8260.SUB,43582,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\8260LLUX11.m
Meth Date : 20-Jul-2004 10:58 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	1837573	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1456255	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	848715	50.0000	
$ 4 Dibromofluoromethane	113	4.591	4.591	(0.890)	381476	50.0000	50.252
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	497256	50.0000	50.518
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	1625237	50.0000	46.795
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	661536	50.0000	45.377
8 Dichlorodifluoromethane	85	1.574	1.574	(0.305)	396258	50.0000	37.957
9 Chloromethane	50	1.728	1.728	(0.335)	607895	50.0000	43.472
10 Vinyl Chloride	62	1.822	1.822	(0.353)	565073	50.0000	45.780
11 Bromomethane	94	2.106	2.106	(0.408)	198102	50.0000	36.710
12 Chloroethane	64	2.201	2.201	(0.427)	436772	50.0000	57.286
13 Trichlorofluoromethane	101	2.402	2.402	(0.466)	635704	50.0000	56.965
15 Acrolein	56	2.710	2.710	(0.525)	654098	500.000	407.57
16 Acetone	43	2.828	2.828	(0.548)	452813	100.000	106.75
17 1,1-Dichloroethene	96	2.816	2.816	(0.546)	503340	50.0000	55.809
18 Freon-113	151	2.828	2.828	(0.548)	373938	50.0000	59.399

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22409.D
Report Date: 20-Jul-2004 10:58

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.935	2.935	(0.569)	573302	50.0000	49.043
	20 Carbon Disulfide	76	3.006	3.006	(0.583)	2144376	50.0000	67.427
	21 Methylene Chloride	84	3.183	3.183	(0.617)	621524	50.0000	58.402
	22 Acetonitrile	41	3.041	3.041	(0.589)	675047	500.000	532.25
	23 Acrylonitrile	53	3.361	3.361	(0.651)	1924551	500.000	521.42
	24 Methyl tert-butyl ether	73	3.408	3.408	(0.661)	1035112	50.0000	44.481
	25 trans-1,2-Dichloroethene	96	3.420	3.420	(0.663)	532980	50.0000	55.394
	26 Hexane	86	3.645	3.645	(0.706)	104318	50.0000	52.625
	27 Vinyl acetate	43	3.775	3.775	(0.732)	735102	50.0000	41.616
	28 1,1-Dichloroethane	63	3.751	3.751	(0.727)	911348	50.0000	53.390
	29 tert-Butyl Alcohol	59	3.254	3.254	(0.631)	614904	1000.00	946.44
	30 2-Butanone	43	4.201	4.201	(0.814)	503172	100.000	96.149
M	31 1,2-Dichloroethene (total)	96				1058041	100.000	108.58
	32 cis-1,2-dichloroethene	96	4.213	4.213	(0.817)	525061	50.0000	53.192
	33 2,2-Dichloropropane	77	4.224	4.224	(0.819)	381254	50.0000	51.556
	34 Bromochloromethane	128	4.414	4.414	(0.856)	239683	50.0000	53.812
	35 Chloroform	83	4.461	4.461	(0.865)	871469	50.0000	54.449
	36 Tetrahydrofuran	42	4.449	4.449	(0.862)	128847	50.0000	45.321
	37 1,1,1-Trichloroethane	97	4.639	4.639	(0.899)	631493	50.0000	55.191
	38 1,1-Dichloropropene	75	4.769	4.769	(0.924)	685795	50.0000	54.374
	39 Carbon Tetrachloride	117	4.781	4.781	(0.927)	520659	50.0000	59.047
	40 1,2-Dichloroethane	62	4.934	4.934	(0.956)	663640	50.0000	54.340
	41 Benzene	78	4.934	4.934	(0.956)	2192359	50.0000	52.221
	42 Trichloroethene	130	5.467	5.467	(1.060)	506154	50.0000	51.836
	43 1,2-Dichloropropane	63	5.656	5.656	(1.096)	540033	50.0000	52.405
	44 1,4-Dioxane	88	5.751	5.751	(1.115)	247914	2500.00	2487.9(A)
	45 Dibromomethane	93	5.751	5.751	(1.115)	292040	50.0000	53.667
	46 Bromodichloromethane	83	5.881	5.881	(1.140)	632053	50.0000	55.497
	47 2-Chloroethyl vinyl ether	63	6.118	6.118	(1.186)	483022	100.000	90.842
	48 cis-1,3-Dichloropropene	75	6.260	6.260	(1.213)	777155	50.0000	51.515
	49 4-Methyl-2-pentanone	43	6.378	6.378	(1.236)	863716	100.000	96.674
	50 Toluene	91	6.567	6.567	(0.841)	2260196	50.0000	51.182
	51 trans-1,3-Dichloropropene	75	6.745	6.745	(0.864)	678530	50.0000	49.909
	52 Ethyl Methacrylate	69	6.816	6.816	(0.873)	622733	50.0000	46.906
	53 1,1,2-Trichloroethane	97	6.911	6.911	(0.885)	445816	50.0000	50.058
	54 1,3-Dichloropropane	76	7.064	7.064	(0.905)	828934	50.0000	50.371
	55 Tetrachloroethene	164	7.064	7.064	(0.905)	396099	50.0000	52.829
	56 2-Hexanone	43	7.124	7.124	(0.912)	700897	100.000	98.530
	57 Dibromochloromethane	129	7.277	7.277	(0.932)	450208	50.0000	56.715
	58 1,2-Dibromoethane	107	7.384	7.384	(0.945)	441173	50.0000	50.178
	59 Chlorobenzene	112	7.845	7.845	(1.005)	1411315	50.0000	49.928
	60 1,1,1,2-Tetrachloroethane	131	7.916	7.916	(1.014)	469476	50.0000	53.058
	61 Ethylbenzene	106	7.940	7.940	(1.017)	754234	50.0000	51.041
	62 m + p-Xylene	106	8.046	8.046	(1.030)	1934696	100.000	103.35
M	63 Xylenes (total)	106				2833529	150.000	152.27
	64 Xylene-o	106	8.425	8.425	(1.079)	898833	50.0000	48.924
	65 Styrene	104	8.425	8.425	(1.079)	1675034	50.0000	51.800

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22409.D
Report Date: 20-Jul-2004 10:58

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.614	8.614	(1.103)	307544	50.0000	60.993
67 Isopropylbenzene	105	8.768	8.768	(1.123)	2033068	50.0000	48.044
68 1,1,2,2-Tetrachloroethane	83	9.040	9.040	(0.900)	638173	50.0000	49.891
69 1,4-Dichloro-2-butene	53	9.088	9.088	(0.905)	137330	50.0000	41.484
70 1,2,3-Trichloropropane	110	9.088	9.088	(0.905)	203826	50.0000	50.306
71 Bromobenzene	156	9.076	9.076	(0.903)	600382	50.0000	48.750
72 n-Propylbenzene	120	9.171	9.171	(0.913)	576086	50.0000	46.645
73 2-Chlorotoluene	126	9.253	9.253	(0.921)	555743	50.0000	47.455
74 1,3,5-Trimethylbenzene	105	9.336	9.336	(0.929)	1880842	50.0000	48.975
75 4-Chlorotoluene	126	9.360	9.360	(0.932)	596077	50.0000	47.851
76 tert-Butylbenzene	119	9.656	9.656	(0.961)	1473099	50.0000	47.114
77 1,2,4-Trimethylbenzene	105	9.703	9.703	(0.966)	2027468	50.0000	49.834
78 sec-Butylbenzene	105	9.869	9.869	(0.982)	2066222	50.0000	46.655
79 4-Isopropyltoluene	119	10.011	10.011	(0.996)	1734273	50.0000	47.371
80 1,3-Dichlorobenzene	146	9.987	9.987	(0.994)	1126807	50.0000	47.861
81 1,4-Dichlorobenzene	146	10.070	10.070	(1.002)	1177711	50.0000	47.920
82 n-Butylbenzene	91	10.413	10.413	(1.037)	1507396	50.0000	45.334
83 1,2-Dichlorobenzene	146	10.437	10.437	(1.039)	1112548	50.0000	48.666
84 1,2-Dibromo-3-chloropropane	157	11.206	11.206	(1.115)	122759	50.0000	59.213
85 1,2,4-Trichlorobenzene	180	12.046	12.046	(1.199)	467509	50.0000	38.123
86 Hexachlorobutadiene	225	12.212	12.212	(1.216)	200724	50.0000	38.466
87 Naphthalene	128	12.283	12.283	(1.223)	1184067	50.0000	38.579
88 1,2,3-Trichlorobenzene	180	12.531	12.531	(1.247)	377536	50.0000	36.097
98 Cyclohexane	56	4.698	4.698	(0.911)	888878	50.0000	55.167
143 Methyl Acetate	43	3.088	3.088	(0.599)	746878	100.000	105.84
144 Methylcyclohexane	83	5.644	5.644	(1.094)	666671	50.0000	50.623
141 1,3,5-Trichlorobenzene	180	11.431	11.431	(1.138)	601647	50.0000	44.262

QC Flag Legend

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

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22410.D
Report Date: 19-Jul-2004 09:52

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 19-JUL-2004 09:44
Lab File ID: UXJ22410.D Init. Cal. Date(s): 20-MAY-2004 01-JUL-2004
Analysis Type: WATER Init. Cal. Times: 10:38 17:15
Lab Sample ID: 50NG-A9CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\8260LLUX11.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
14 Dichlorofluoromethane	0.40420	0.41606	0.010	2.9	50.0	
89 Ethyl Ether	0.21848	0.21419	0.010	-2.0	50.0	
91 3-Chloropropene	0.13366	0.18964	0.010	41.9	50.0	
92 Isopropyl Ether	0.22630	0.22984	0.010	1.6	50.0	
93 2-Chloro-1,3-butadiene	0.37032	0.37639	0.010	1.6	50.0	
94 Propionitrile	0.03622	0.03866	0.010	6.7	50.0	
95 Ethyl Acetate	0.23578	0.24173	0.010	2.5	50.0	
96 Methacrylonitrile	0.15650	0.16326	0.010	4.3	50.0	
97 Isobutanol	0.00910	0.01051	0.010	15.5	50.0	<-
99 n-Butanol	0.00724	0.00826	0.010	14.1	50.0	<-
100 Methyl Methacrylate	0.21534	0.20949	0.010	-2.7	50.0	
101 2-Nitropropane	0.05444	0.06291	0.010	15.6	50.0	
103 Cyclohexanone	0.02255	0.07436	0.010	229.8	50.0	<-
146 2-Methylnaphthalene	100	48.17413	0.010	51.8	50.0	<-

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b/UXJ22410.D
Report Date: 07/19/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

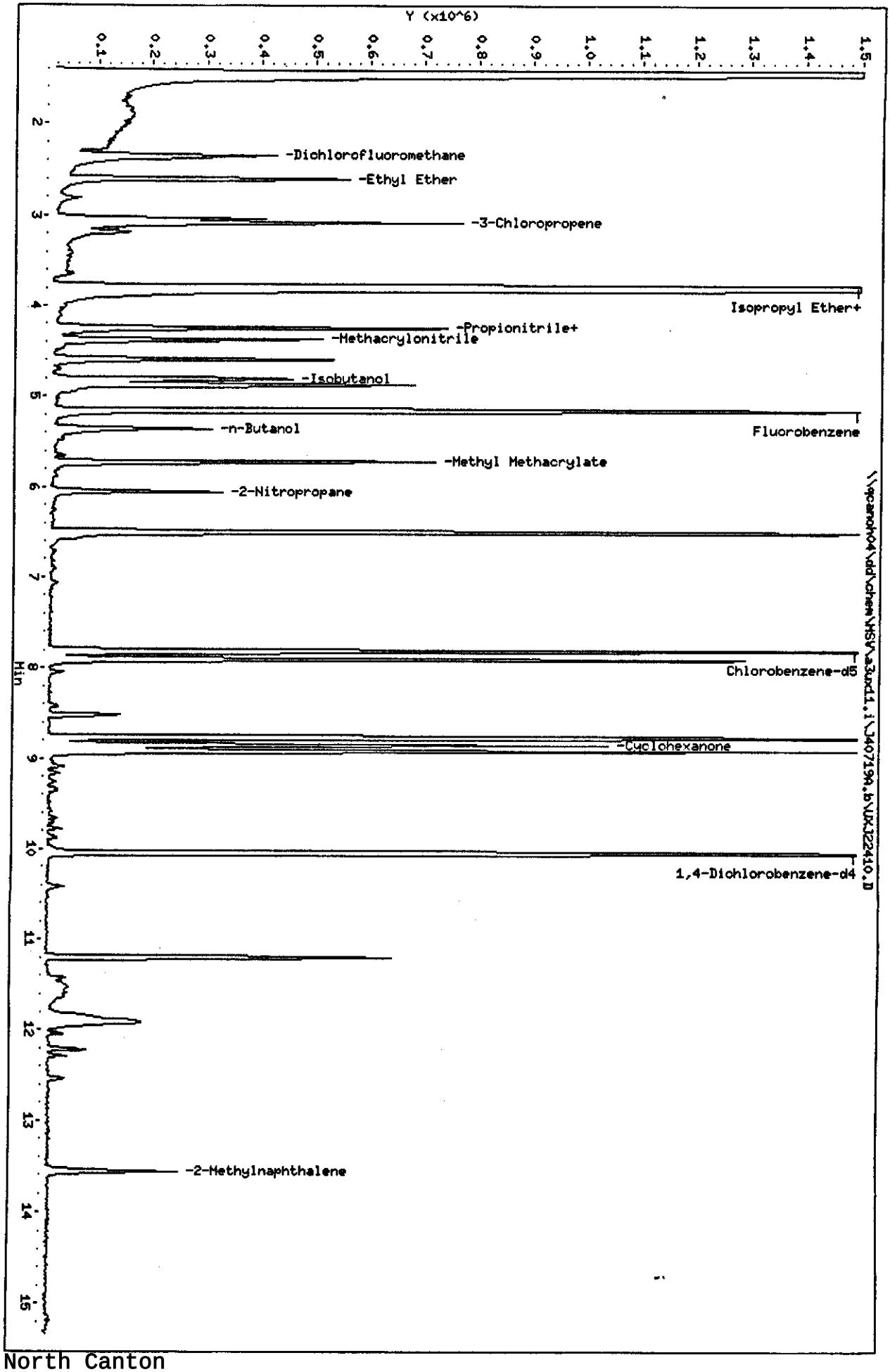
Instrument ID: a3ux11.i
Lab File ID: UXJ22410.D
Analysis Type: WATER

Injection Date: 19-JUL-2004 09:44
Lab Sample ID: 50NG-A9CC
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
53 3-Chloropropene	50.0000	70.9448	41.9	50.0	
54 2-Chloro-1,3-butadiene	50.0000	50.8185	1.6	50.0	
55 Propionitrile	100.0000	106.7190	6.7	50.0	
56 Methacrylonitrile	50.0000	52.1583	4.3	50.0	
57 Isobutanol	1000.0000	1154.9988	15.5	50.0	
58 Methyl Methacrylate	50.0000	48.6415	2.7	50.0	
73 n-Butanol	1000.0000	1140.5332	14.1	50.0	
74 Ethyl Acetate	100.0000	102.5226	2.5	50.0	
75 Cyclohexanone	500.0000	1649.0843	229.8	50.0	<-
76 Ethyl Ether	50.0000	49.0185	2.0	50.0	
85 Dichlorofluoromethane	50.0000	51.4671	2.9	50.0	
86 2-Nitropropane	100.0000	115.5605	15.6	50.0	
126 Isopropyl Ether	250.0000	253.9011	1.6	50.0	
130 Fluorobenzene	50.0000	50.0000	0.0	50.0	
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
146 2-Methylnaphthalene	100.0000	48.1741	51.8	50.0	<-

Data File: \\pcanoh04\dd\chem\HSV\a3ux11.i\J407190.b\UXJ22410.D
Date : 19-JUL-2004 09:44
Client ID:
Sample Info: 50NG-A9CC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22410.D
Report Date: 19-Jul-2004 09:57

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22410.D
Lab Smp Id: 50NG-A9CC
Inj Date : 19-JUL-2004 09:44
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-A9CC
Misc Info : J40719A,8260LLUX11,3-IX.SUB,43582,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\8260LLUX11.m
Meth Date : 19-Jul-2004 09:57 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	1842038	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1411472	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	745738	50.0000	
14 Dichlorofluoromethane	67	2.355	2.355	(0.456)	766405	50.0000	51.467
89 Ethyl Ether	59	2.615	2.615	(0.507)	394545	50.0000	49.018
91 3-Chloropropene	76	3.089	3.089	(0.599)	349332	50.0000	70.945
92 Isopropyl Ether	87	3.799	3.799	(0.736)	2116832	250.000	253.90(A)
93 2-Chloro-1,3-butadiene	53	3.834	3.834	(0.743)	693315	50.0000	50.818
94 Propionitrile	54	4.248	4.248	(0.823)	142416	100.000	106.72
95 Ethyl Acetate	43	4.248	4.248	(0.823)	890543	100.000	102.52
96 Methacrylonitrile	41	4.378	4.378	(0.849)	300729	50.0000	52.158
97 Isobutanol	41	4.804	4.804	(0.615)	296825	1000.00	1155.0(A)
99 n-Butanol	56	5.360	5.360	(0.686)	233239	1000.00	1140.5(A)
100 Methyl Methacrylate	41	5.727	5.727	(1.110)	385892	50.0000	48.641
101 2-Nitropropane	41	6.059	6.059	(1.174)	231757	100.000	115.56
103 Cyclohexanone	55	8.851	8.851	(0.881)	554524	500.000	1649.1(A)
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	171151	100.000	48.174

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22410.D
Report Date: 19-Jul-2004 09:57

QC Flag Legend

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

SEVERN TRENT STL

RAW QC DATA

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\BFB327.D

Date : 15-JUL-2004 08:54

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

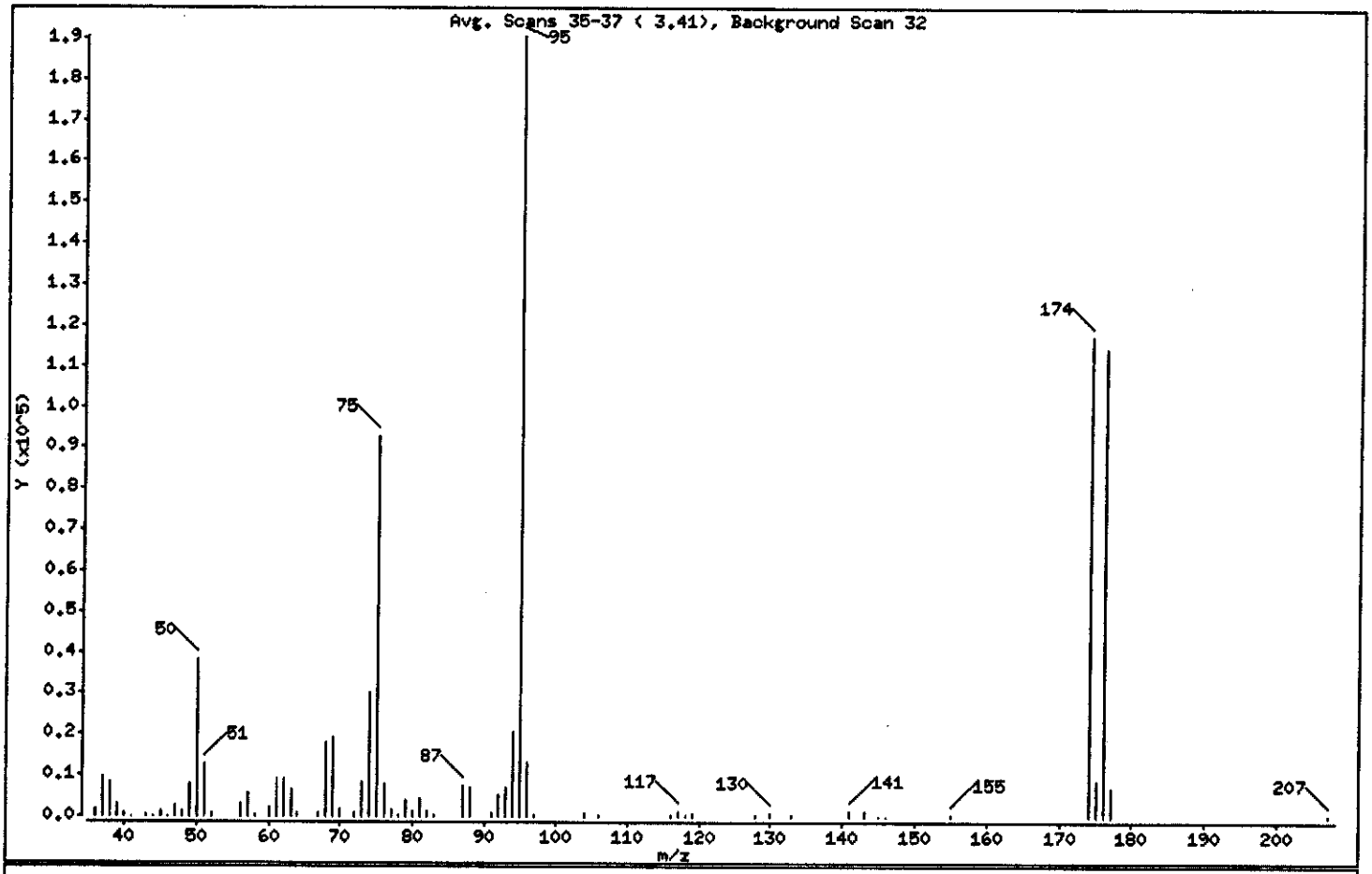
Volume Injected (uL): 1.0

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	20.03
75	30.00 - 60.00% of mass 95	48.84
96	5.00 - 9.00% of mass 95	6.84
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	61.62
175	5.00 - 9.00% of mass 174	4.55 (7.38)
176	95.00 - 101.00% of mass 174	60.05 (97.45)
177	5.00 - 9.00% of mass 176	3.76 (6.26)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\BFB327.D

Date : 15-JUL-2004 08:54

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: BFB327.D
Spectrum: Avg. Scans 35-37 (3.41), Background Scan 32
Location of Maximum: 95.00
Number of points: 68

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1848	58.00	251	80.00	1410	119.00	780
37.00	9631	60.00	1990	81.00	4405	128.00	560
38.00	8142	61.00	9111	82.00	1125	130.00	770
39.00	3243	62.00	9081	83.00	580	133.00	230
40.00	824	63.00	6765	87.00	7439	141.00	1476
41.00	154	64.00	700	88.00	6984	143.00	1445
43.00	429	67.00	760	91.00	865	145.00	177
44.00	81	68.00	17872	92.00	5040	146.00	188
45.00	1440	69.00	19120	93.00	7151	155.00	425
46.00	190	70.00	1703	94.00	20728	174.00	117344
47.00	2606	72.00	899	95.00	190400	175.00	8657
48.00	1286	73.00	8258	96.00	13034	176.00	114344
49.00	7711	74.00	30264	97.00	552	177.00	7162
50.00	38136	75.00	93008	104.00	683	207.00	329
51.00	12821	76.00	7834	106.00	471		
52.00	706	77.00	1725	116.00	474		
56.00	2939	78.00	594	117.00	1122		
57.00	5572	79.00	4011	118.00	615		

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40715A.b\BFB327.D

Date : 15-JUL-2004 08:54

Client ID: 50NGBFB

Sample Info:

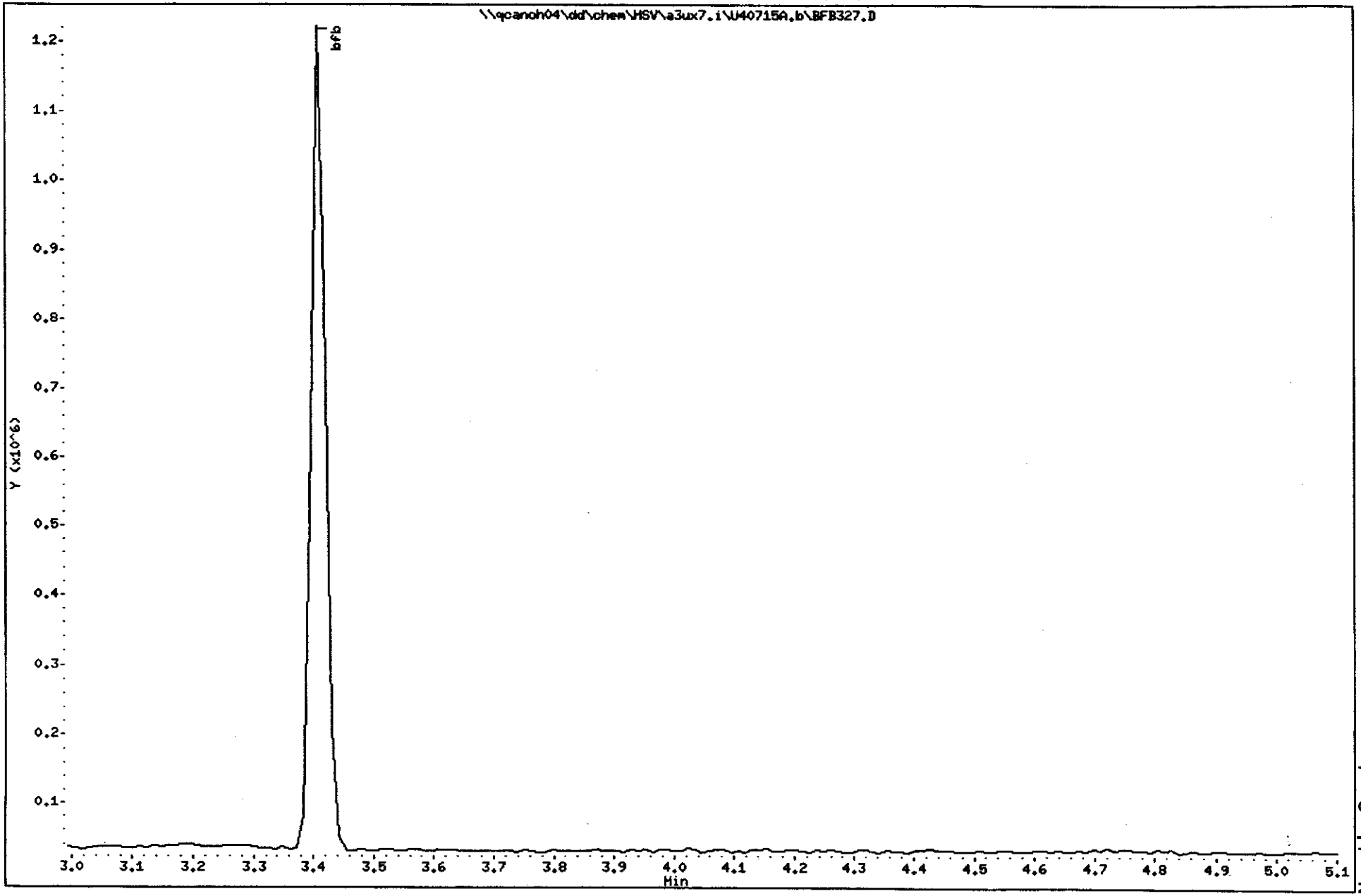
Volume Injected (uL): 1.0

Column phase: DB624 20m

Instrument: a3ux7.i

Operator: 1754

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\BFB328.D

Date : 15-JUL-2004 15:29

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

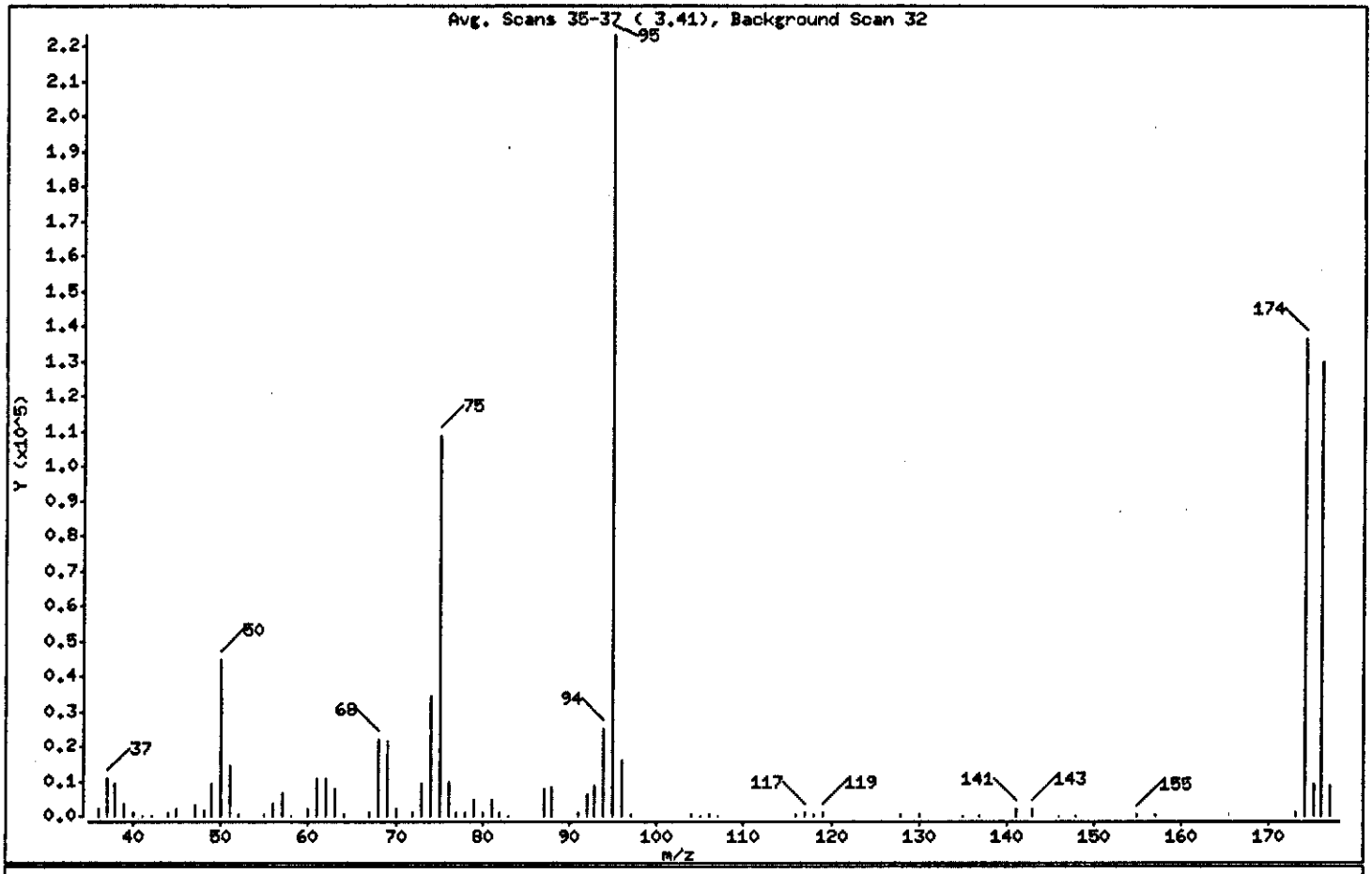
Volume Injected (uL): 1.0

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	19.99
75	30.00 - 60.00% of mass 95	48.80
96	5.00 - 9.00% of mass 95	7.04
173	Less than 2.00% of mass 174	0.37 (0.61)
174	50.00 - 100.00% of mass 95	61.12
175	5.00 - 9.00% of mass 174	4.10 (6.71)
176	95.00 - 101.00% of mass 174	58.23 (95.27)
177	5.00 - 9.00% of mass 176	3.82 (6.56)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\BFB328.D

Date : 15-JUL-2004 15:29

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: BFB328.D

Spectrum: Avg. Scans 35-37 (3.41), Background Scan 32

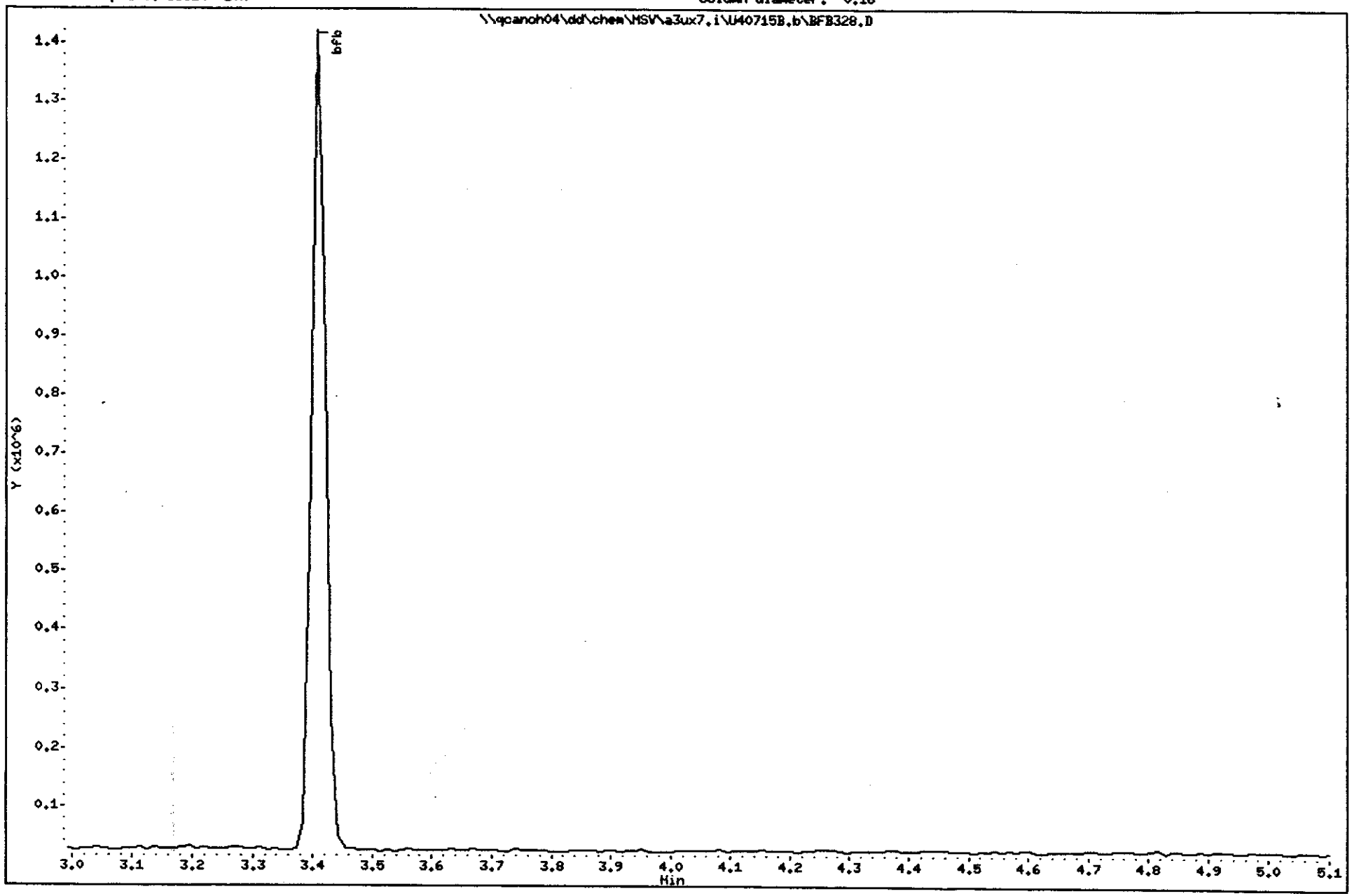
Location of Maximum: 95.00

Number of points: 72

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1814	60.00	2235	82.00	997	128.00	566
37.00	10615	61.00	10562	83.00	168	130.00	620
38.00	9137	62.00	10687	87.00	7813	135.00	172
39.00	3536	63.00	7803	88.00	8167	137.00	168
40.00	1126	64.00	629	91.00	969	141.00	1847
41.00	197	67.00	920	92.00	6081	143.00	2087
42.00	28	68.00	21816	93.00	8559	146.00	190
44.00	877	69.00	21440	94.00	25288	148.00	256
45.00	2245	70.00	1966	95.00	223168	155.00	488
47.00	3214	72.00	1135	96.00	15724	157.00	428
48.00	1306	73.00	9373	97.00	515	173.00	828
49.00	9336	74.00	34592	104.00	696	174.00	136384
50.00	44632	75.00	108920	105.00	184	175.00	9159
51.00	14286	76.00	9609	106.00	598	176.00	129984
52.00	578	77.00	1256	107.00	178	177.00	8530
55.00	339	78.00	966	116.00	588		
56.00	3564	79.00	4737	117.00	1118		
57.00	6474	80.00	1143	118.00	641		
58.00	214	81.00	4729	119.00	841		

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\BFB328.D
Date : 15-JUL-2004 15:29
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: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\BFB332.D

Date : 19-JUL-2004 07:12

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

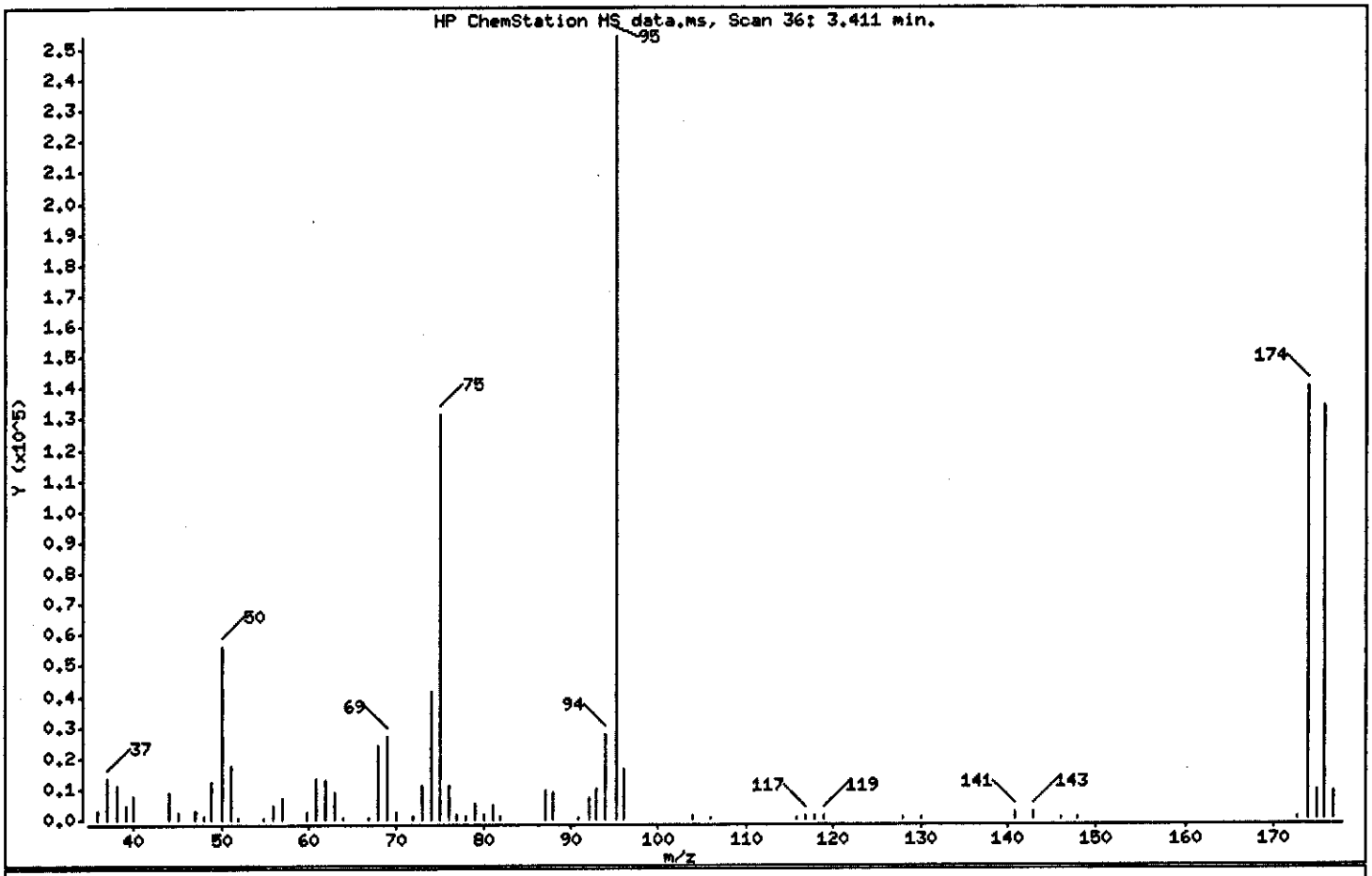
Volume Injected (uL): 1.0

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	22.16
75	30.00 - 60.00% of mass 95	51.78
96	5.00 - 9.00% of mass 95	6.43
173	Less than 2.00% of mass 174	0.34 (0.62)
174	50.00 - 100.00% of mass 95	55.28
175	5.00 - 9.00% of mass 174	3.74 (6.77)
176	95.00 - 101.00% of mass 174	52.53 (95.03)
177	5.00 - 9.00% of mass 176	3.47 (6.61)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\BFB332.D

Date : 19-JUL-2004 07:12

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: BFB332.D
Spectrum: HP ChemStation MS data.ms, Scan 36: 3.411 min.
Location of Maximum: 95.05
Number of points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.95	2814	59.95	2381	78.85	5279	117.95	1021
37.05	13216	60.95	13607	79.95	1598	118.95	966
38.05	11014	61.95	12620	80.95	4602	127.85	801
39.05	4720	62.95	8797	81.85	1189	129.95	809
39.95	7322	63.95	686	86.95	9631	140.85	2313
44.05	8898	66.95	749	87.95	8922	142.95	2317
45.05	2129	68.05	24016	90.85	826	145.95	589
47.05	3180	69.05	26720	91.95	6823	147.85	560
47.95	1240	69.95	2563	92.95	9817	172.85	872
48.95	12402	71.95	1345	93.95	27640	173.95	140416
50.05	56288	72.95	10954	95.05	254016	174.95	9500
51.05	17800	73.95	41736	96.05	16334	175.95	133440
52.05	610	75.05	131520	103.85	1332	176.95	8816
54.95	686	76.05	11205	105.85	673		
55.95	4460	76.95	1703	115.85	602		
56.95	7160	77.95	976	116.85	1291		

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\BFB332.D

Date : 19-JUL-2004 07:12

Client ID: 50NGBFB

Sample Info:

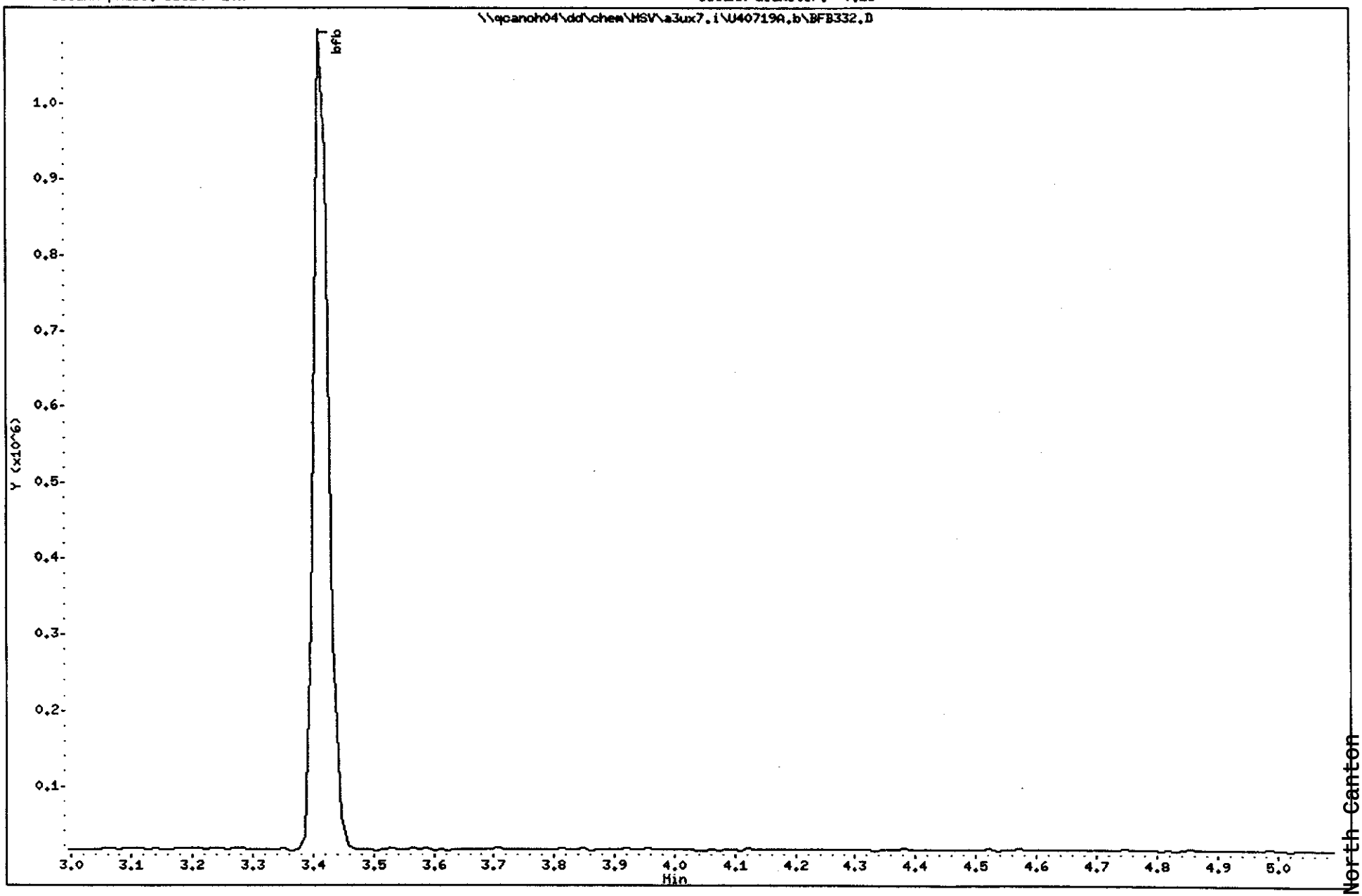
Volume Injected (uL): 1.0

Column phase: DB624 20m

Instrument: a3ux7.i

Operator: 1754

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\BFB333.D

Date : 19-JUL-2004 19:08

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info: BFB333

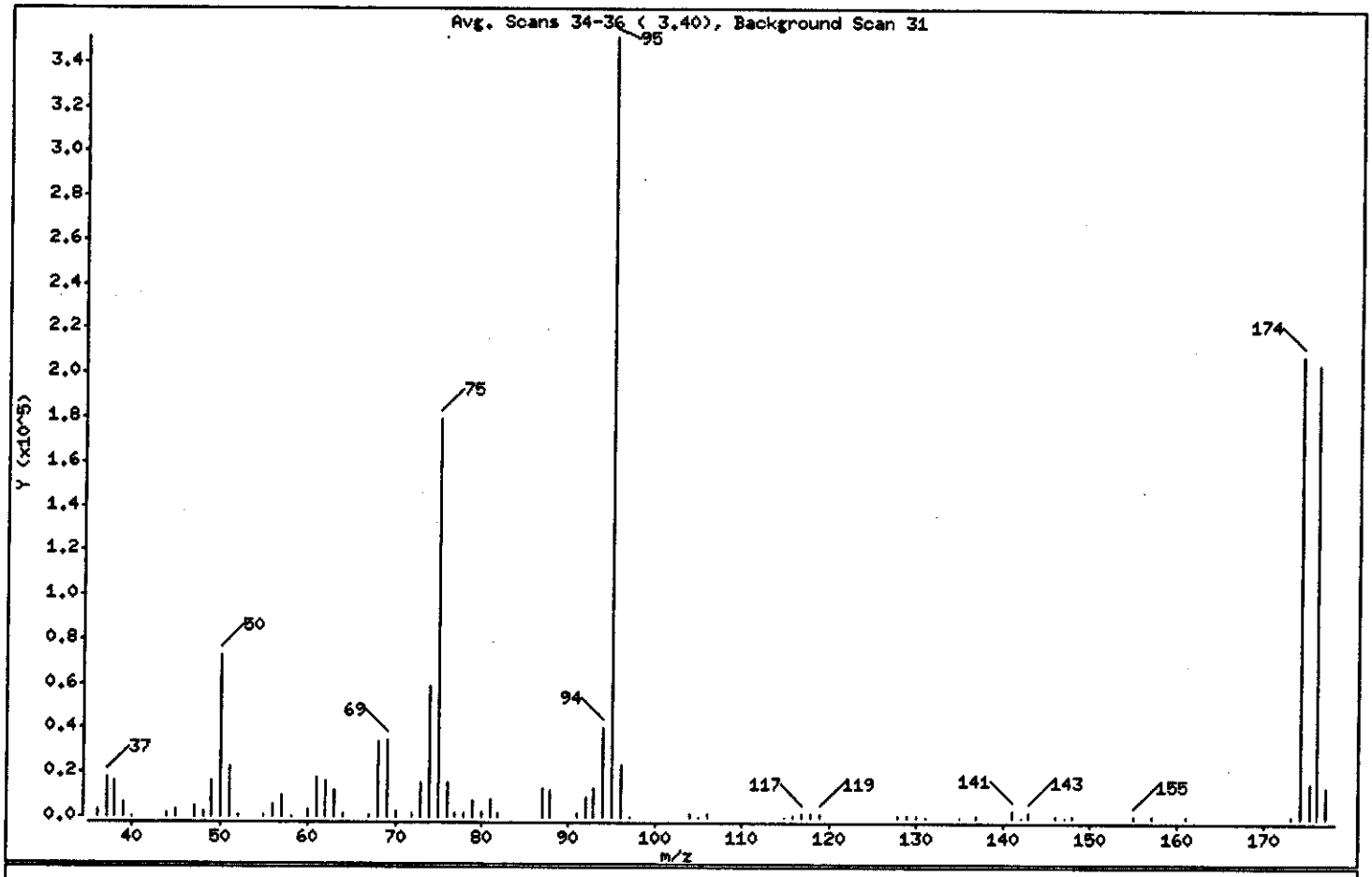
Volume Injected (uL): 1.0

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	20.62
75	30.00 - 60.00% of mass 95	51.14
96	5.00 - 9.00% of mass 95	6.66
173	Less than 2.00% of mass 174	0.23 (0.39)
174	50.00 - 100.00% of mass 95	59.38
175	5.00 - 9.00% of mass 174	4.33 (7.29)
176	95.00 - 101.00% of mass 174	58.21 (98.03)
177	5.00 - 9.00% of mass 176	4.02 (6.91)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\BFB333.D

Date : 19-JUL-2004 19:08

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info: BFB333

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

Data File: BFB333.D

Spectrum: Avg. Scans 34-36 (3.40), Background Scan 31

Location of Maximum: 95.00

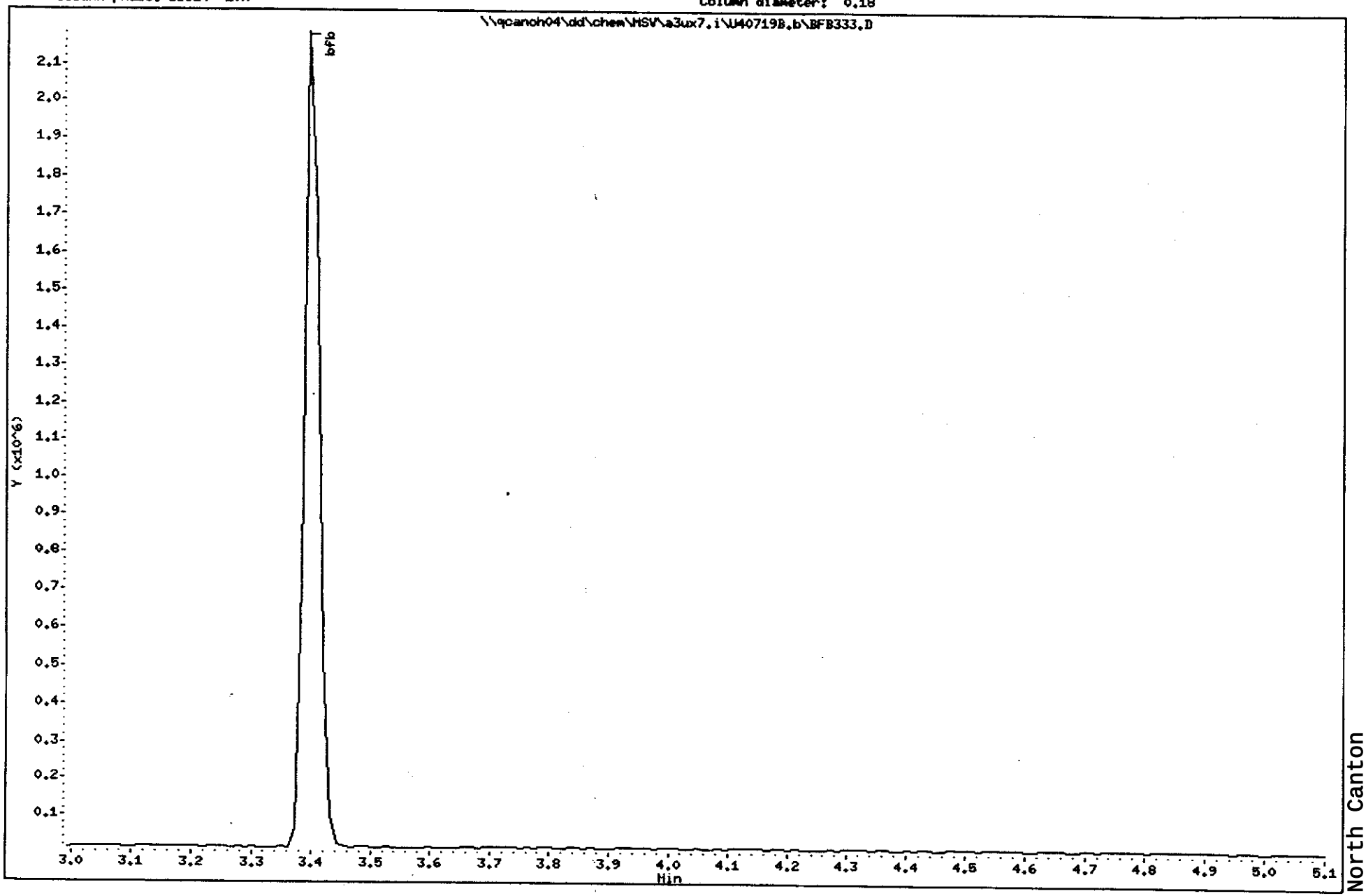
Number of points: 74

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2924	62.00	16175	88.00	11745	131.00	294
37.00	17816	63.00	12218	91.00	1220	135.00	240
38.00	16544	64.00	1259	92.00	8759	137.00	467
39.00	6348	67.00	729	93.00	12769	141.00	3125
40.00	171	68.00	33744	94.00	40448	142.00	169
44.00	1643	69.00	35088	95.00	351104	143.00	2671
45.00	3212	70.00	2552	96.00	23360	146.00	444
47.00	4743	72.00	1496	97.00	346	147.00	167
48.00	2280	73.00	15342	104.00	1256	148.00	705
49.00	16363	74.00	59128	105.00	210	155.00	524
50.00	72408	75.00	179520	106.00	1227	157.00	468
51.00	22924	76.00	15120	115.00	189	161.00	424
52.00	923	77.00	1898	116.00	1193	173.00	810
55.00	830	78.00	1213	117.00	1695	174.00	208448
56.00	5405	79.00	7382	118.00	1248	175.00	15190
57.00	10063	80.00	2065	119.00	1303	176.00	204352
58.00	230	81.00	7772	128.00	1036	177.00	14120
60.00	3330	82.00	1341	129.00	593		
61.00	17552	87.00	13068	130.00	1024		

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40719B.b\BFB333.D
Date : 19-JUL-2004 19:08
Client ID: 50NGBFB
Sample Info: BFB333
Volume Injected (uL): 1.0
Column phase: DB624 20m

Instrument: a3ux7.i

Operator: 1754
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\BFB336.D

Date : 21-JUL-2004 08:41

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

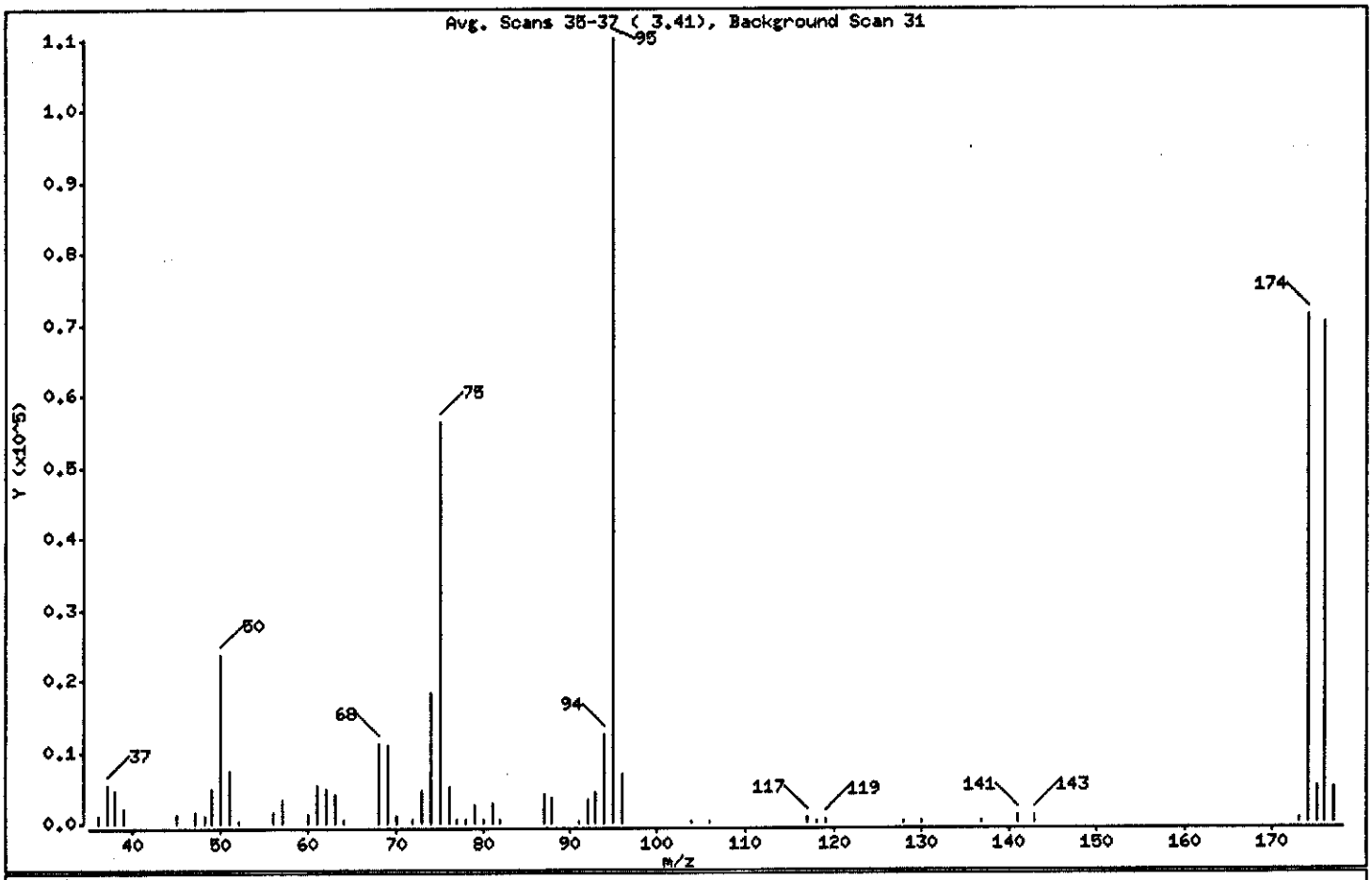
Volume Injected (uL): 1.0

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	21.30
75	30.00 - 60.00% of mass 95	50.94
96	5.00 - 9.00% of mass 95	6.27
173	Less than 2.00% of mass 174	0.45 (0.70)
174	50.00 - 100.00% of mass 95	64.50
175	5.00 - 9.00% of mass 174	4.52 (7.01)
176	95.00 - 101.00% of mass 174	63.57 (98.55)
177	5.00 - 9.00% of mass 176	4.28 (6.73)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\BFB336.D

Date : 21-JUL-2004 08:41

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: BFB336.D
Spectrum: Avg. Scans 35-37 (3.41), Background Scan 31
Location of Maximum: 95.00
Number of points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	891	61.00	5399	79.00	2582	117.00	634
37.00	5221	62.00	4834	80.00	605	118.00	201
38.00	4630	63.00	4129	81.00	2893	119.00	541
39.00	2017	64.00	448	82.00	426	128.00	186
45.00	1259	68.00	11206	87.00	4039	130.00	182
47.00	1595	69.00	10840	88.00	3533	137.00	200
48.00	962	70.00	898	91.00	218	141.00	961
49.00	4747	72.00	519	92.00	3281	143.00	1127
50.00	23480	73.00	4613	93.00	4318	173.00	498
51.00	7278	74.00	18304	94.00	12394	174.00	71104
52.00	213	75.00	56152	95.00	110232	175.00	4986
56.00	1470	76.00	5083	96.00	6911	176.00	70072
57.00	3295	77.00	504	104.00	182	177.00	4713
60.00	1143	78.00	441	106.00	179		

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40721A.b\BFB336.D

Date : 21-JUL-2004 08:41

Client ID: 50NGBFB

Sample Info:

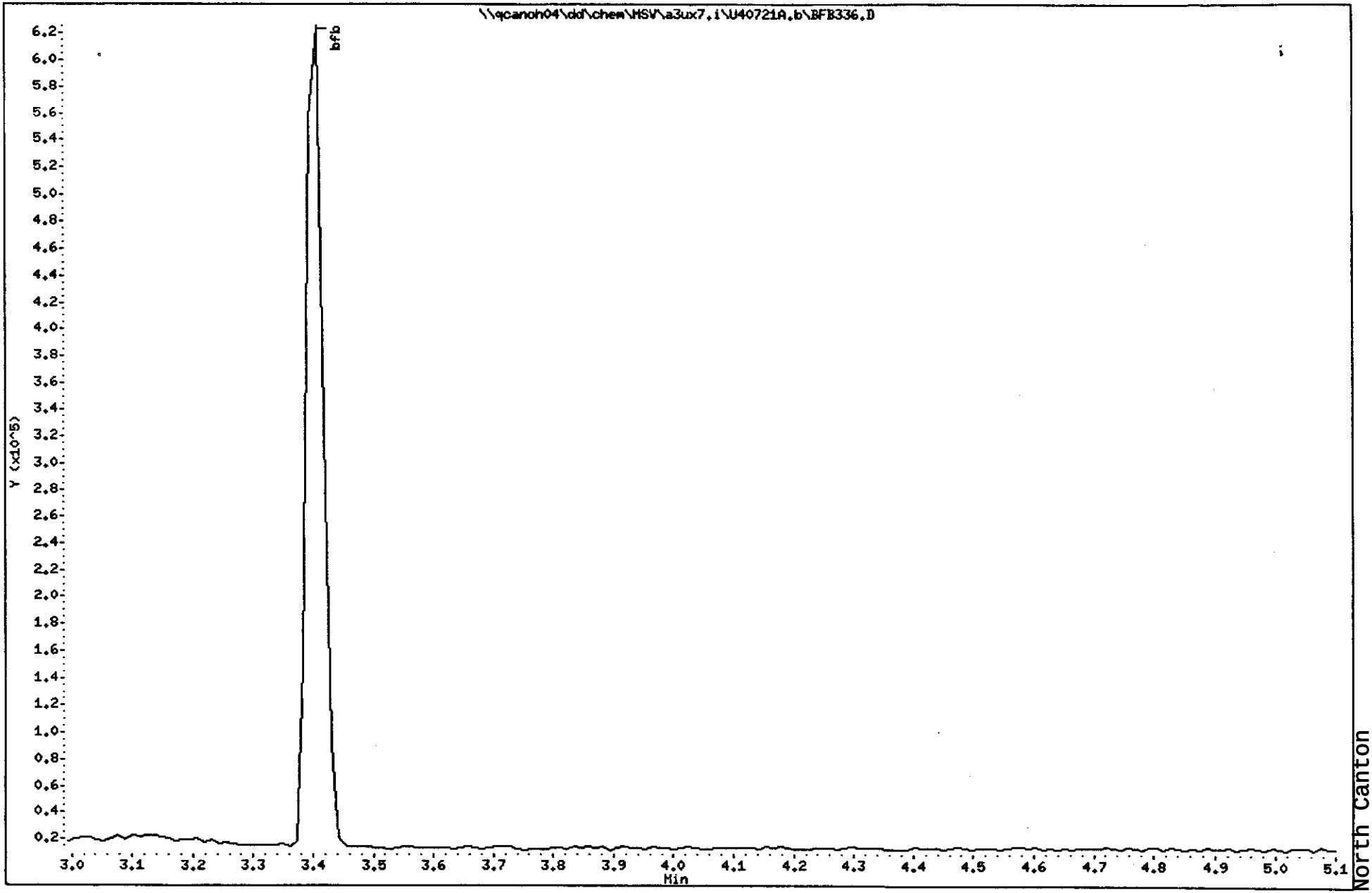
Volume Injected (uL): 1.0

Column phase: DB624 20m

Instrument: a3ux7.i

Operator: 1754

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40701A.b\BFB161.D

Date : 01-JUL-2004 09:07

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

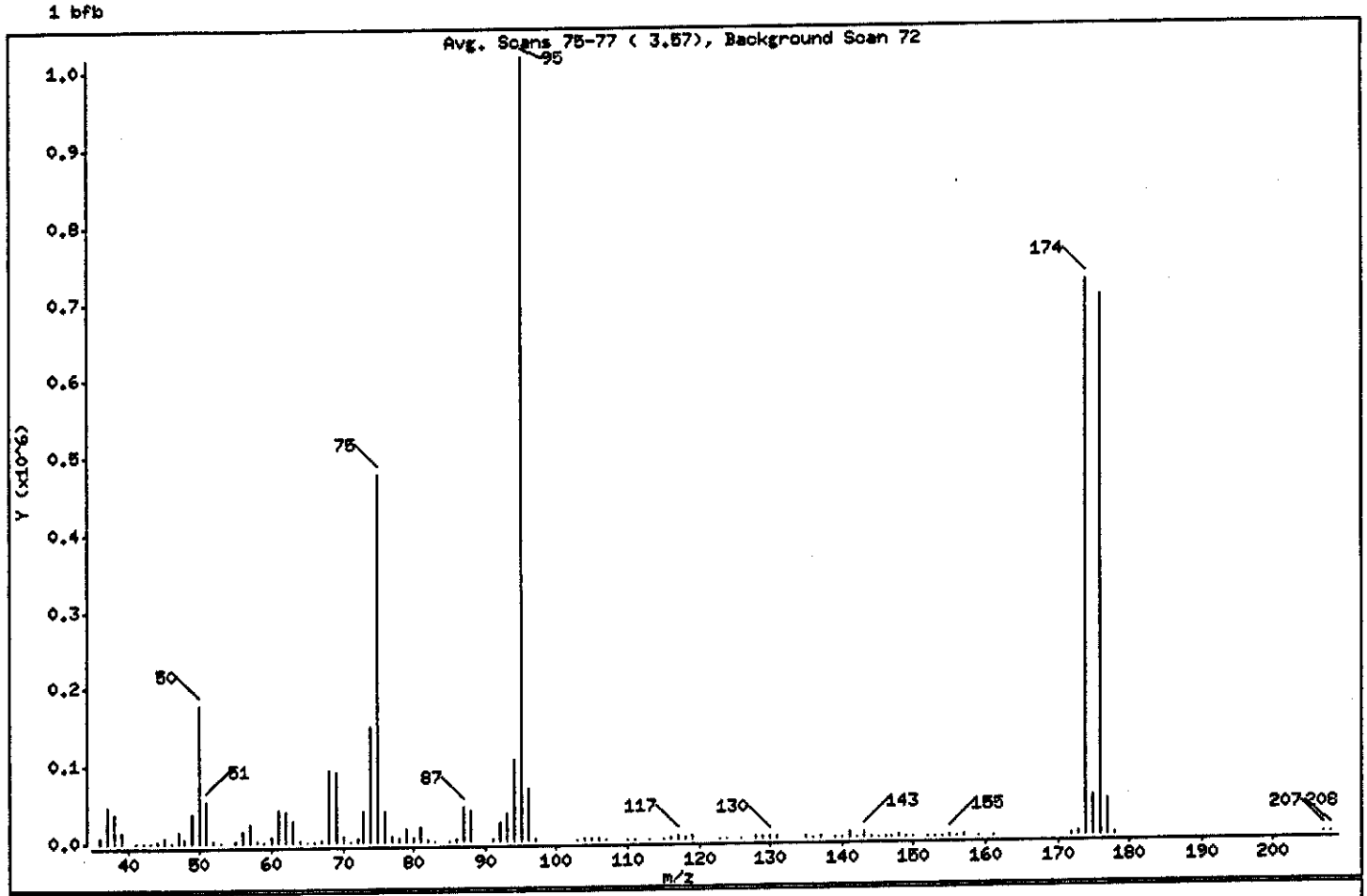
Volume Injected (uL): 1.0

Operator: 43582

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	17.53
75	30.00 - 60.00% of mass 95	46.97
96	5.00 - 9.00% of mass 95	6.72
173	Less than 2.00% of mass 174	0.41 (0.57)
174	50.00 - 100.00% of mass 95	70.93
175	5.00 - 9.00% of mass 174	5.10 (7.19)
176	95.00 - 101.00% of mass 174	68.97 (97.23)
177	5.00 - 9.00% of mass 176	4.57 (6.63)

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40701A.b\BFB161.D

Date : 01-JUL-2004 09:07

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB161.D

Spectrum: Avg. Scans 75-77 (3.57), Background Scan 72

Location of Maximum: 95.00

Number of points: 109

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	8016	66.00	227	97.00	2011	143.00	7723
37.00	46832	67.00	2655	103.00	610	144.00	224
38.00	38368	68.00	94176	104.00	2901	145.00	465
39.00	14534	69.00	90256	105.00	1312	146.00	1147
41.00	246	70.00	7685	106.00	2963	147.00	519
42.00	109	71.00	249	107.00	723	148.00	2207
43.00	122	72.00	5447	110.00	373	149.00	579
44.00	2160	73.00	39576	111.00	865	150.00	922
45.00	7455	74.00	150400	113.00	255	152.00	271
46.00	16	75.00	477632	115.00	840	153.00	365
47.00	14986	76.00	40096	116.00	2794	154.00	308
48.00	5390	77.00	6479	117.00	4089	155.00	2451
49.00	37384	78.00	3557	118.00	2305	156.00	355
50.00	178176	79.00	17400	119.00	4012	157.00	1480
51.00	54888	80.00	5235	123.00	205	159.00	927
52.00	2668	81.00	17840	124.00	335	161.00	1041
53.00	176	82.00	3497	126.00	203	172.00	1724
55.00	2724	83.00	431	128.00	2756	173.00	4147
56.00	13030	85.00	166	129.00	1514	174.00	721216
57.00	22832	86.00	1182	130.00	3230	175.00	51856
58.00	1227	87.00	44432	131.00	1322	176.00	701248
59.00	258	88.00	40192	135.00	1294	177.00	46464
60.00	8114	91.00	2804	136.00	200	178.00	1487
61.00	41192	92.00	23736	137.00	1356	207.00	5
62.00	40624	93.00	36136	139.00	185	208.00	227
63.00	28808	94.00	106120	140.00	301		
64.00	3294	95.00	1016768	141.00	6953		
65.00	1045	96.00	68368	142.00	874		

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40701A.b\BFB161.D

Date : 01-JUL-2004 09:07

Client ID: 50NG BFB

Instrument: a3ux11.i

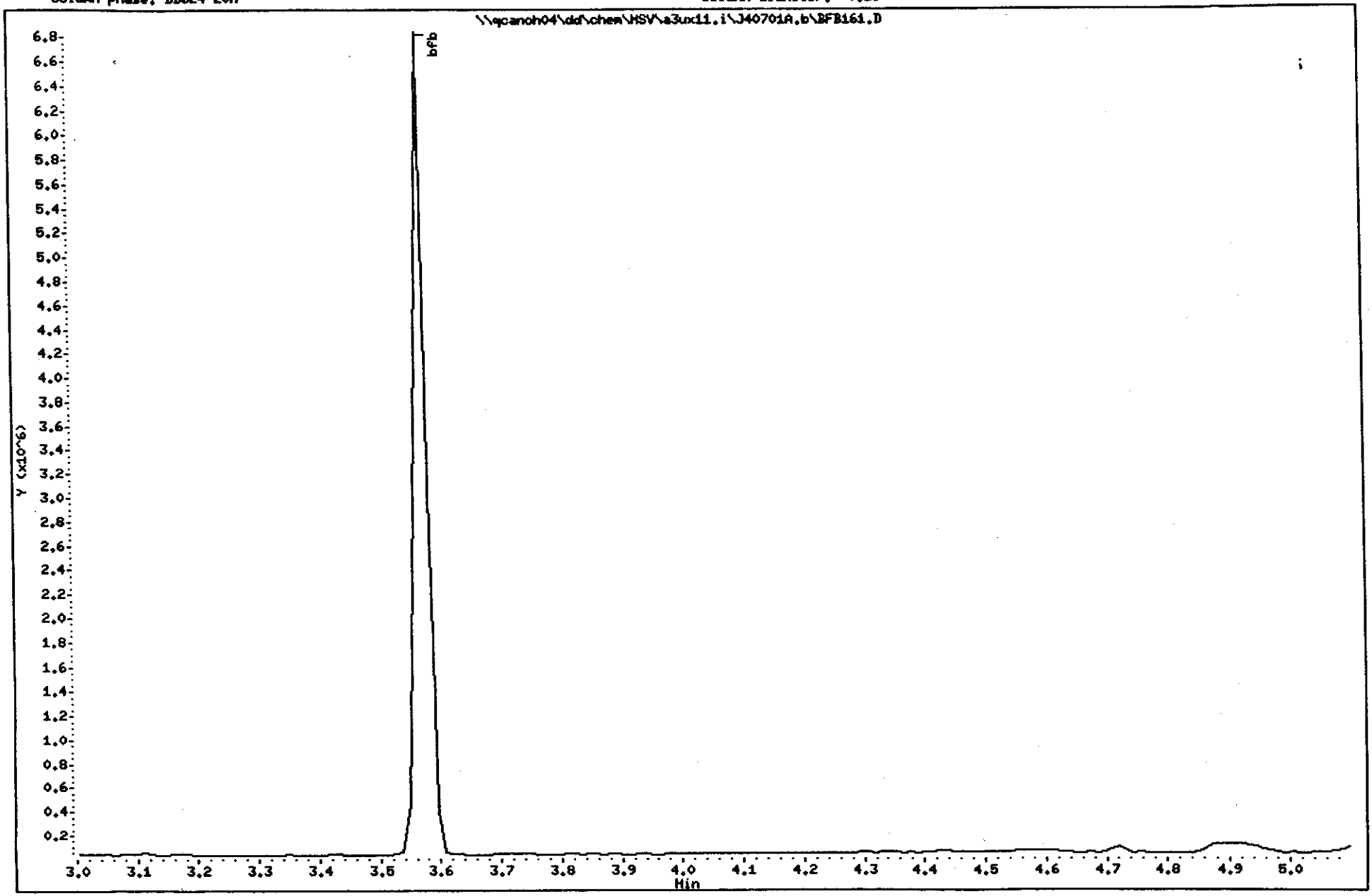
Sample Info:

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\BFB177.D

Date : 19-JUL-2004 09:03

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

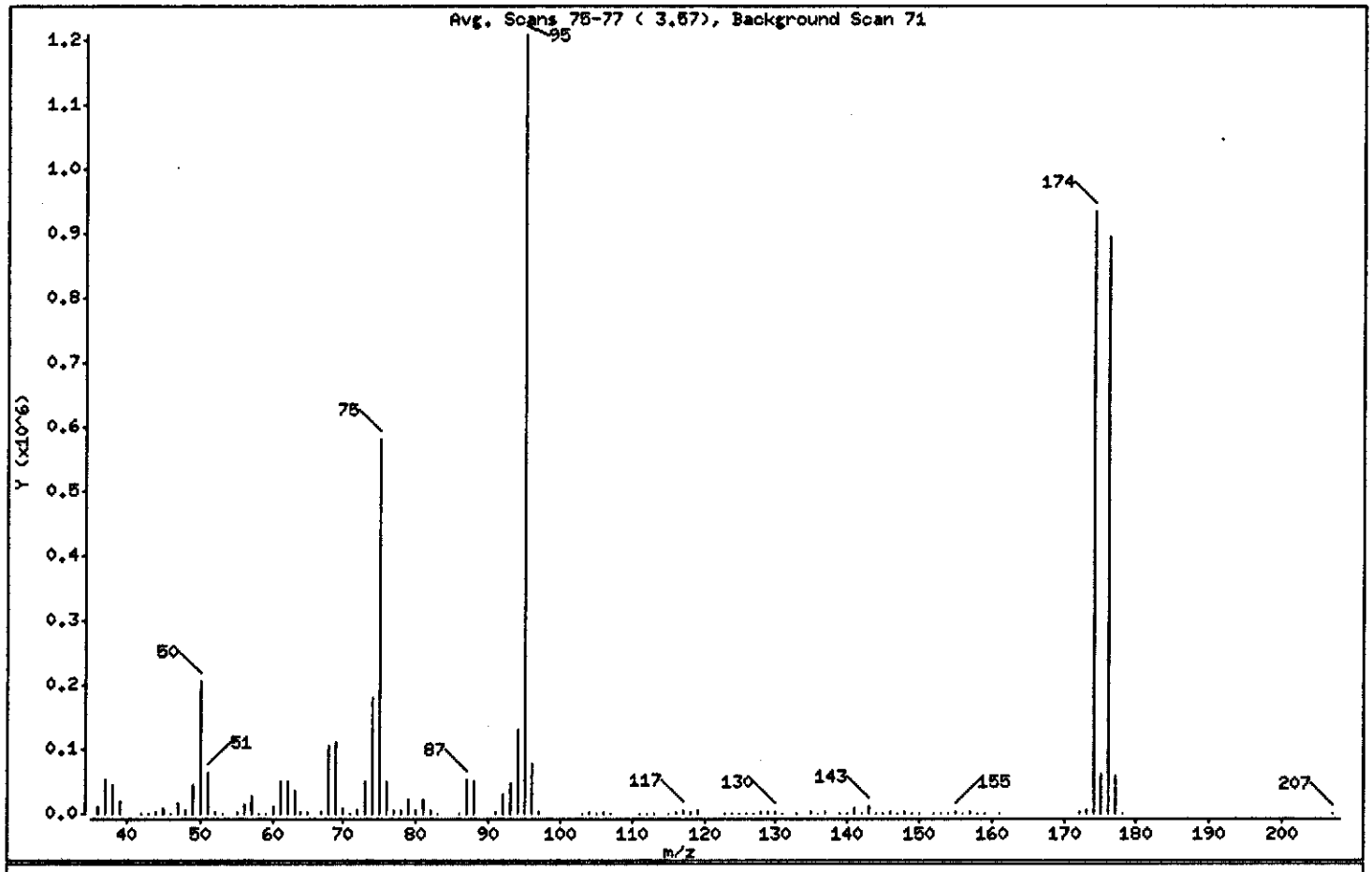
Volume Injected (uL): 1.0

Operator: 43582

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	17.01
75	30.00 - 60.00% of mass 95	48.11
96	5.00 - 9.00% of mass 95	6.52
173	Less than 2.00% of mass 174	0.47 (0.61)
174	50.00 - 100.00% of mass 95	77.19
175	5.00 - 9.00% of mass 174	5.16 (6.68)
176	95.00 - 101.00% of mass 174	73.92 (95.76)
177	5.00 - 9.00% of mass 176	4.89 (6.61)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\BFB177.D

Date : 19-JUL-2004 09:03

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

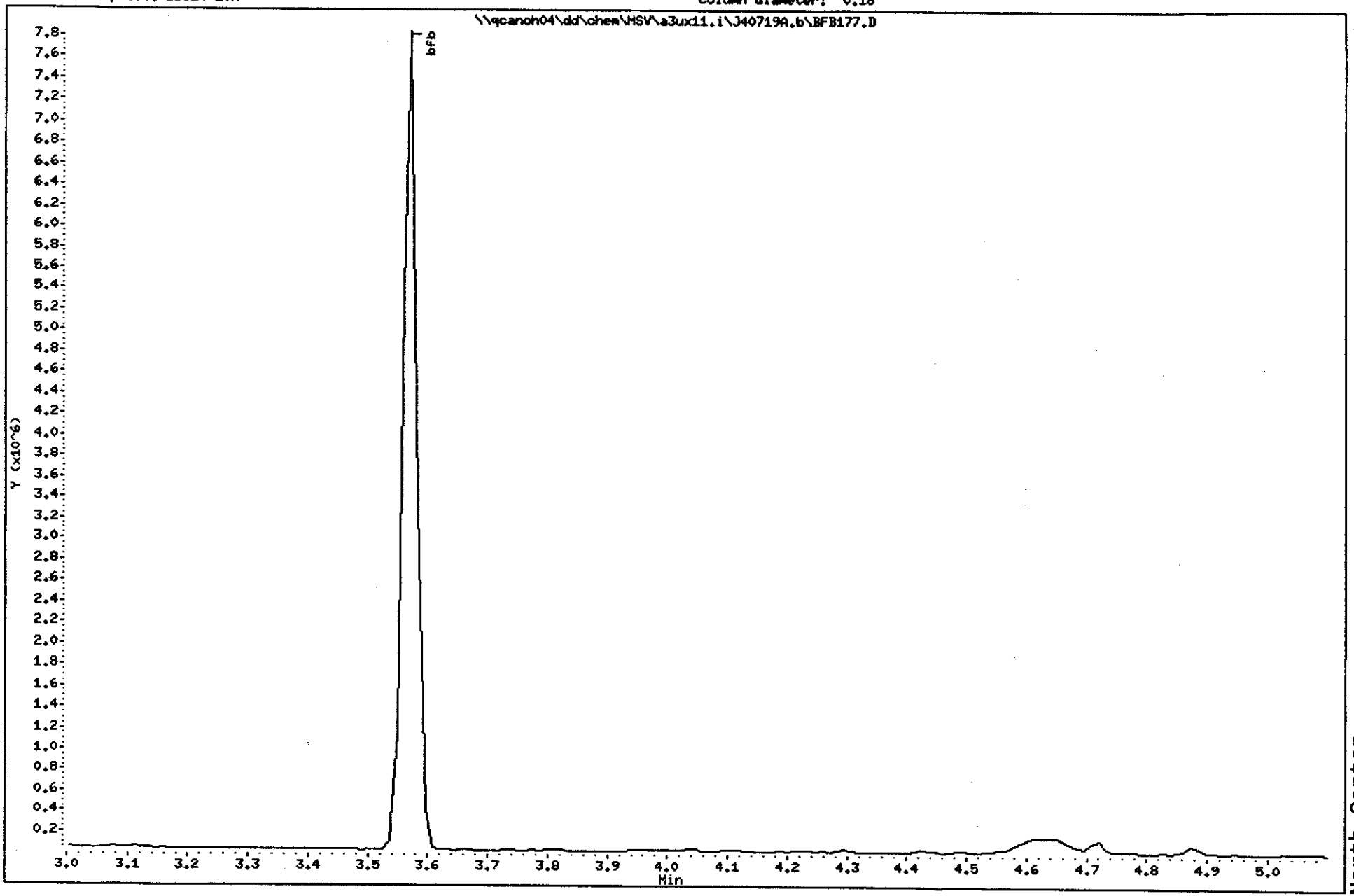
Column diameter: 0.18

Data File: BFB177.D
Spectrum: Avg. Scans 75-77 (3.57), Background Scan 71
Location of Maximum: 95.00
Number of points: 109

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	10833	68.00	104840	105.00	1316	143.00	9888
37.00	53416	69.00	110768	106.00	4117	144.00	344
38.00	45792	70.00	8205	107.00	748	145.00	1078
39.00	18712	71.00	199	111.00	548	146.00	1824
42.00	176	72.00	6205	112.00	210	147.00	233
43.00	293	73.00	48952	113.00	663	148.00	2348
44.00	2164	74.00	180992	115.00	1086	149.00	766
45.00	8331	75.00	581056	116.00	3083	150.00	1209
46.00	827	76.00	49168	117.00	5980	152.00	634
47.00	16350	77.00	6809	118.00	3349	153.00	1025
48.00	5858	78.00	5344	119.00	4425	154.00	446
49.00	44104	79.00	20968	123.00	208	155.00	2768
50.00	205440	80.00	6257	124.00	622	156.00	556
51.00	63024	81.00	21848	125.00	167	157.00	2249
52.00	3330	82.00	4424	126.00	497	158.00	191
53.00	229	83.00	876	127.00	294	159.00	1357
55.00	3039	86.00	1319	128.00	3803	161.00	1195
56.00	15001	87.00	52000	129.00	1703	172.00	2195
57.00	27840	88.00	49624	130.00	4141	173.00	5702
58.00	990	91.00	3075	131.00	1207	174.00	932288
59.00	224	92.00	29720	133.00	209	175.00	62264
60.00	10055	93.00	46680	135.00	1747	176.00	892800
61.00	49368	94.00	131328	136.00	227	177.00	59000
62.00	48984	95.00	1207808	137.00	1781	178.00	1329
63.00	35960	96.00	78768	139.00	241	207.00	22
64.00	3786	97.00	2619	140.00	753		
65.00	1907	103.00	511	141.00	9486		
67.00	2731	104.00	3960	142.00	1308		

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40719A.b\BFB177.D
Date : 19-JUL-2004 09:03
Client ID: 50NG BFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20M

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GK7RM1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4G160000-123 GK7RM1AD-LCSD
Prep Date.....: 07/15/04 **Analysis Date..:** 07/15/04
Prep Batch #...: 4198123
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**84**	**(80 - 116)**			**SW846 8260B**
	94	**(80 - 116)**	**11**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**86**	**(76 - 117)**			**SW846 8260B**
	95	**(76 - 117)**	**10**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**91**	**(63 - 130)**			**SW846 8260B**
	100	**(63 - 130)**	**10**	**(0-20)**	**SW846 8260B**
Toluene	**85**	**(74 - 119)**			**SW846 8260B**
	94	**(74 - 119)**	**9.4**	**(0-20)**	**SW846 8260B**
Trichloroethene	**86**	**(75 - 122)**			**SW846 8260B**
	92	**(75 - 122)**	**6.4**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(73 - 122)
	88	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
	88	(61 - 128)
Toluene-d8	93	(76 - 110)
	91	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)
	86	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GK7RM1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4G160000-123 GK7RM1AD-LCSD
Prep Date.....: 07/15/04 **Analysis Date..:** 07/15/04
Prep Batch #...: 4198123
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10**	**8.4**	**ug/L**	**84**		**SW846 8260B**
	10	**9.4**	**ug/L**	**94**	**11**	**SW846 8260B**
Chlorobenzene	**10**	**8.6**	**ug/L**	**86**		**SW846 8260B**
	10	**9.5**	**ug/L**	**95**	**10**	**SW846 8260B**
1,1-Dichloroethene	**10**	**9.1**	**ug/L**	**91**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**10**	**SW846 8260B**
Toluene	**10**	**8.5**	**ug/L**	**85**		**SW846 8260B**
	10	**9.4**	**ug/L**	**94**	**9.4**	**SW846 8260B**
Trichloroethene	**10**	**8.6**	**ug/L**	**86**		**SW846 8260B**
	10	**9.2**	**ug/L**	**92**	**6.4**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(73 - 122)
	88	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
	88	(61 - 128)
Toluene-d8	93	(76 - 110)
	91	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)
	86	(74 - 116)

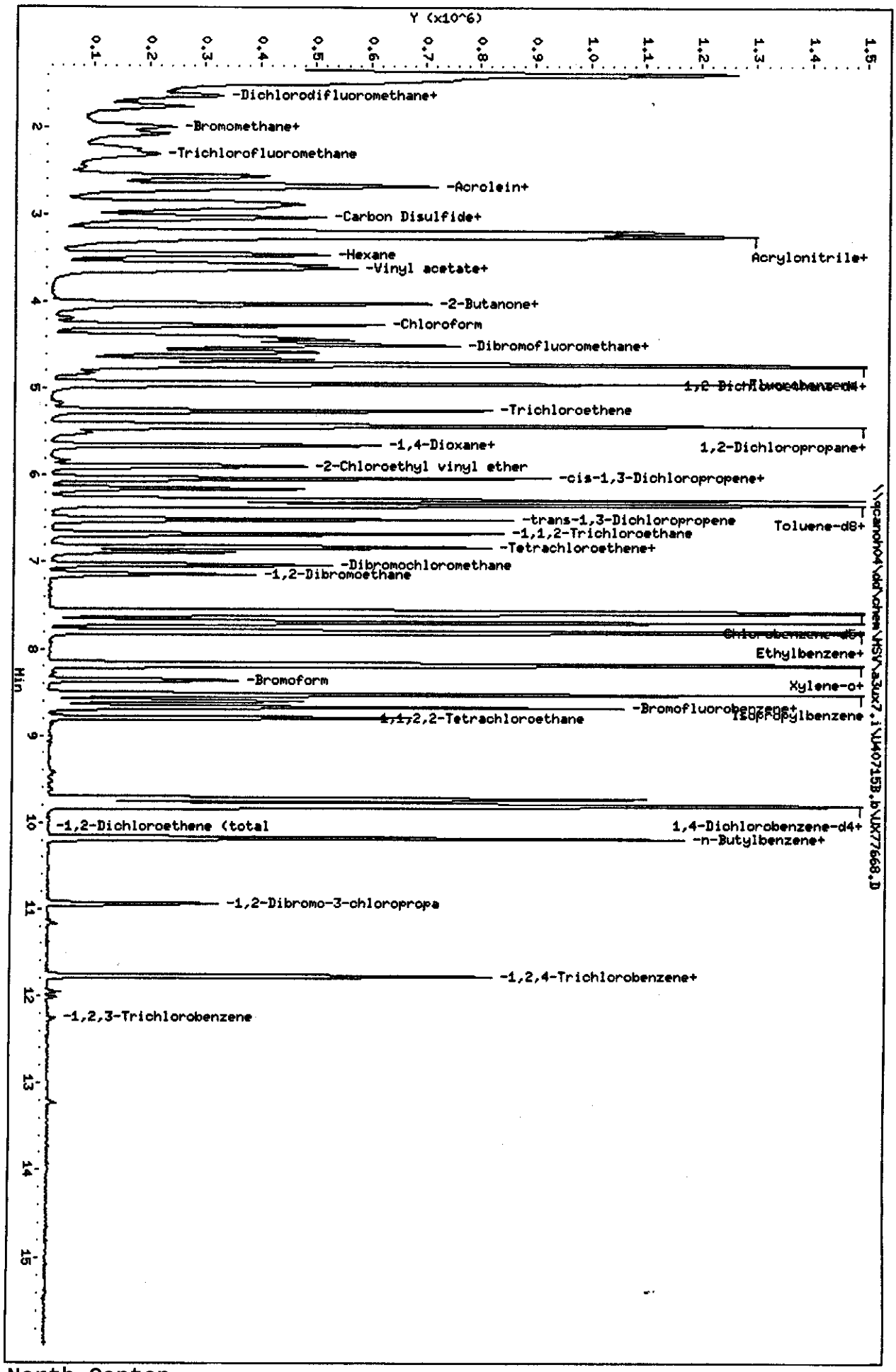
NOTE(S):

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

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40715B.b\UX77668.D
Date : 15-JUL-2004 16:39
Client ID: GKTRMIAC
Sample Info: LCS
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\U40715B.b\UX77668.D
Report Date: 16-Jul-2004 10:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77668.D
Lab Smp Id: LCS
Inj Date : 15-JUL-2004 16:39
Operator : 1754 Inst ID: a3ux7.i
Smp Info : LCS
Misc Info : U40715B,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 09:55 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 9 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	4.954	4.951	(1.000)	1417209	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.566	(1.000)	967066	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.790	(1.000)	414720	50.0000	
$ 4 Dibromofluoromethane	113	4.398	4.395	(0.888)	281161	44.9851	8.997
$ 5 1,2-Dichloroethane-d4	65	4.670	4.667	(0.943)	428782	45.1413	9.028
$ 6 Toluene-d8	98	6.279	6.276	(0.830)	1223699	46.7329	9.346
$ 7 Bromofluorobenzene	95	8.669	8.666	(1.145)	448983	44.4094	8.882
8 Dichlorodifluoromethane	85	1.593	1.590	(0.322)	256285	49.3090	9.862
9 Chloromethane	50	1.641	1.650	(0.331)	474590	41.5577	8.312
10 Vinyl Chloride	62	1.759	1.768	(0.355)	419568	42.7004	8.540
11 Bromomethane	94	1.996	1.993	(0.403)	221512	43.5874	8.717
12 Chloroethane	64	2.067	2.064	(0.417)	265629	39.9104	7.982
13 Trichlorofluoromethane	101	2.327	2.312	(0.470)	400563	45.5711	9.114
15 Acrolein	56	2.564	2.561	(0.518)	767054	509.797	101.96
16 Acetone	43	2.682	2.679	(0.541)	143126	32.6629	6.532
17 1,1-Dichloroethene	96	2.670	2.667	(0.539)	308361	45.4210	9.084
18 Freon-113	151	2.694	2.691	(0.544)	215615	53.7904	10.758
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77668.D
Report Date: 16-Jul-2004 10:21

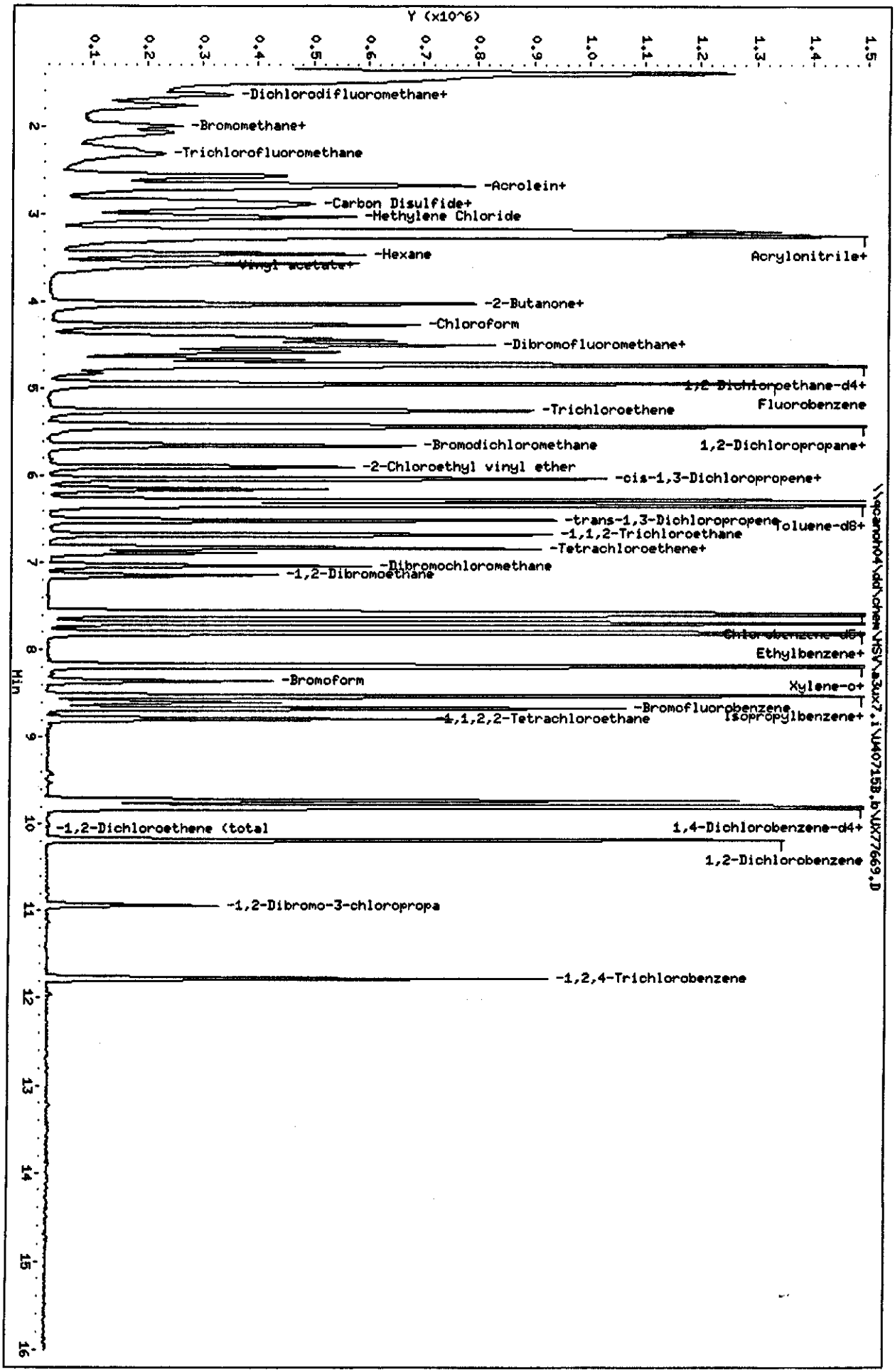
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.871	2.868	(0.580)	1132410	47.3562	9.471
	21 Methylene Chloride	84	3.037	3.034	(0.613)	405078	46.6424	9.328
	22 Acetonitrile	41	2.907	2.904	(0.587)	630431	566.276	113.26
	23 Acrylonitrile	53	3.203	3.200	(0.647)	1561669	455.306	91.061
	24 Methyl tert-butyl ether	73	3.262	3.259	(0.658)	1100185	33.9787	6.796
	25 trans-1,2-Dichloroethene	96	3.250	3.247	(0.656)	344474	43.3286	8.666
	26 Hexane	86	3.463	3.460	(0.699)	65449	51.9251	10.385
	27 Vinyl acetate	43	3.617	3.590	(0.730)	338916	18.4974	3.699
	28 1,1-Dichloroethane	63	3.569	3.566	(0.721)	667460	43.4490	8.690
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.019	4.016	(0.811)	255824	46.8615	9.372
M	31 1,2-Dichloroethene (total)	96				707155	86.0695	17.214
	32 cis-1,2-dichloroethene	96	4.031	4.028	(0.814)	362681	42.7410	8.548
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.268	4.265	(0.861)	605282	43.7566	8.751
	36 Tetrahydrofuran	42	4.019	4.253	(0.811)	14404	4.31742	0.8635
	37 1,1,1-Trichloroethane	97	4.445	4.442	(0.897)	527697	43.0450	8.609
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.587	4.584	(0.926)	410472	44.5732	8.915
	40 1,2-Dichloroethane	62	4.729	4.726	(0.955)	522717	42.8526	8.570
	41 Benzene	78	4.729	4.726	(0.955)	1459300	42.2182	8.444
	42 Trichloroethene	130	5.262	5.259	(1.062)	319760	43.0217	8.604
	43 1,2-Dichloropropane	63	5.427	5.436	(1.096)	387701	42.9916	8.598
	44 1,4-Dioxane	88	5.546	5.531	(1.119)	11539	147.506	29.501
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.652	5.661	(1.141)	472123	43.2085	8.642
	47 2-Chloroethyl vinyl ether	63	5.901	5.897	(1.191)	246583	45.1749	9.035
	48 cis-1,3-Dichloropropene	75	6.031	6.039	(1.217)	601994	42.9454	8.589
	49 4-Methyl-2-pentanone	43	6.149	6.158	(1.241)	368683	40.4435	8.089
	50 Toluene	91	6.338	6.335	(0.837)	1480379	42.6124	8.522
	51 trans-1,3-Dichloropropene	75	6.504	6.513	(0.859)	554931	42.3411	8.468
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.670	6.678	(0.881)	298708	43.0432	8.609
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.835	6.832	(0.903)	202533	43.0923	8.618
	56 2-Hexanone	43	6.883	6.891	(0.909)	254790	32.8604	6.572
	57 Dibromochloromethane	129	7.036	7.033	(0.930)	297942	41.9930	8.398
	58 1,2-Dibromoethane	107	7.143	7.140	(0.944)	295781	43.9391	8.788
	59 Chlorobenzene	112	7.593	7.601	(1.003)	878547	43.1058	8.621
	60 1,1,1,2-Tetrachloroethane	131	7.664	7.672	(1.013)	33543	4.71448	0.9429
	61 Ethylbenzene	106	7.699	7.696	(1.017)	454824	42.5491	8.510
	62 m + p-Xylene	106	7.806	7.803	(1.031)	1121305	86.2529	17.250
M	63 Xylenes (total)	106				1677357	129.488	25.898
	64 Xylene-o	106	8.172	8.181	(1.080)	556052	43.2353	8.647
	65 Styrene	104	8.184	8.181	(1.081)	995615	43.0823	8.616
	66 Bromoform	173	8.362	8.359	(1.105)	184191	42.1564	8.431

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77668.D
Report Date: 16-Jul-2004 10:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.527	8.524	(1.127)	1366827	49.1886	9.838
68 1,1,2,2-Tetrachloroethane	83	8.788	8.797	(0.897)	385691	41.1856	8.237
69 1,4-Dichloro-2-butene	53	8.598	8.844	(0.878)	9767	2.84056	0.5681
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.734	9.731	(0.994)	537638	42.6452	8.529
81 1,4-Dichlorobenzene	146	9.817	9.814	(1.002)	573465	43.5497	8.710
82 n-Butylbenzene	91	10.160	10.169	(1.037)	15918	0.77813	0.1556
83 1,2-Dichlorobenzene	146	10.184	10.181	(1.040)	536690	42.5579	8.512
84 1,2-Dibromo-3-chloropropane	157	10.941	10.938	(1.117)	94101	53.0525	10.610
85 1,2,4-Trichlorobenzene	180	11.781	11.778	(1.203)	282987	40.4673	8.093
86 Hexachlorobutadiene	225	11.959	11.956	(1.221)	5680	2.13147	0.4263
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	12.267	12.264	(1.253)	6905	1.15683	0.2314
98 Cyclohexane	56	4.504	4.501	(0.909)	581473	45.3268	9.065
143 Methyl Acetate	43	2.930	2.927	(0.592)	288596	46.1094	9.222
144 Methylcyclohexane	83	5.439	5.436	(1.098)	402273	43.5114	8.702
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\U40715B.b\UX77669.D
Date : 15-JUL-2004 17:02
Client ID: GKRMIAD
Sample Info: LCSD
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\U40715B.b\UX77669.D
Report Date: 16-Jul-2004 10:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77669.D
Lab Smp Id: LCSD
Inj Date : 15-JUL-2004 17:02
Operator : 1754 Inst ID: a3ux7.i
Smp Info : LCSD
Misc Info : U40715B,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 09:55 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 10 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	4.953	4.951	(1.000)	1461523	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.566	(1.000)	994286	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.790	(1.000)	427790	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.395	(0.888)	283344	43.9598	8.792
$ 5 1,2-Dichloroethane-d4	65	4.669	4.667	(0.943)	428675	43.7617	8.752
$ 6 Toluene-d8	98	6.278	6.276	(0.830)	1223209	45.4353	9.087
$ 7 Bromofluorobenzene	95	8.668	8.666	(1.145)	448749	43.1711	8.634
8 Dichlorodifluoromethane	85	1.592	1.590	(0.322)	267475	49.9229	9.984
9 Chloromethane	50	1.639	1.650	(0.331)	534984	45.4258	9.085
10 Vinyl Chloride	62	1.758	1.768	(0.355)	468789	46.2632	9.253
11 Bromomethane	94	1.994	1.993	(0.403)	249020	47.9059	9.581
12 Chloroethane	64	2.077	2.064	(0.419)	304786	44.4052	8.881
13 Trichlorofluoromethane	101	2.314	2.312	(0.467)	443686	48.9467	9.789
15 Acrolein	56	2.562	2.561	(0.517)	868100	559.460	111.89
16 Acetone	43	2.681	2.679	(0.541)	161578	35.7399	7.148
17 1,1-Dichloroethene	96	2.681	2.667	(0.541)	351352	50.1843	10.037
18 Freon-113	151	2.693	2.691	(0.544)	235139	56.8825	11.376
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77669.D
Report Date: 16-Jul-2004 10:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.870	2.868	(0.580)	1258207	51.0216	10.204
	21 Methylene Chloride	84	3.036	3.034	(0.613)	449192	50.6161	10.123
	22 Acetonitrile	41	2.894	2.904	(0.584)	604624	526.628	105.32
	23 Acrylonitrile	53	3.201	3.200	(0.646)	1768703	500.032	100.01
	24 Methyl tert-butyl ether	73	3.261	3.259	(0.658)	1243666	37.2454	7.449
	25 trans-1,2-Dichloroethene	96	3.249	3.247	(0.656)	391888	47.7978	9.560
	26 Hexane	86	3.462	3.460	(0.699)	69817	53.7492	10.750
	27 Vinyl acetate	43	3.616	3.590	(0.730)	62700	3.31829	0.6636
	28 1,1-Dichloroethane	63	3.568	3.566	(0.720)	764863	48.2800	9.656
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.018	4.016	(0.811)	229078	40.6899	8.138
M	31 1,2-Dichloroethene (total)	96				800108	94.4468	18.889
	32 cis-1,2-dichloroethene	96	4.030	4.028	(0.814)	408220	46.6490	9.330
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.266	4.265	(0.861)	677086	47.4633	9.493
	36 Tetrahydrofuran	42	4.018	4.253	(0.811)	12097	3.29437	0.6589
	37 1,1,1-Trichloroethane	97	4.444	4.442	(0.897)	593658	46.9572	9.391
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.586	4.584	(0.926)	458262	48.2539	9.651
	40 1,2-Dichloroethane	62	4.728	4.726	(0.955)	598608	47.5862	9.517
	41 Benzene	78	4.728	4.726	(0.955)	1672750	46.9261	9.385
	42 Trichloroethene	130	5.260	5.259	(1.062)	351536	45.8629	9.172
	43 1,2-Dichloropropane	63	5.426	5.436	(1.096)	439785	47.2885	9.458
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.651	5.661	(1.141)	534901	47.4696	9.494
	47 2-Chloroethyl vinyl ether	63	5.899	5.897	(1.191)	287258	51.0310	10.206
	48 cis-1,3-Dichloropropene	75	6.029	6.039	(1.217)	691144	47.8102	9.562
	49 4-Methyl-2-pentanone	43	6.148	6.158	(1.241)	418708	44.5385	8.908
	50 Toluene	91	6.337	6.335	(0.837)	1671695	46.8020	9.360
	51 trans-1,3-Dichloropropene	75	6.515	6.513	(0.861)	629443	46.7116	9.342
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.668	6.678	(0.881)	334488	46.8795	9.376
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.834	6.832	(0.903)	226926	46.9606	9.392
	56 2-Hexanone	43	6.893	6.891	(0.911)	298849	37.4876	7.498
	57 Dibromochloromethane	129	7.035	7.033	(0.930)	338442	46.3953	9.279
	58 1,2-Dibromoethane	107	7.142	7.140	(0.944)	334885	48.3862	9.677
	59 Chlorobenzene	112	7.591	7.601	(1.003)	998763	47.6626	9.532
	60 1,1,1,2-Tetrachloroethane	131	7.662	7.672	(1.013)	5981	0.81762	0.1635
	61 Ethylbenzene	106	7.698	7.696	(1.017)	522950	47.5830	9.517
	62 m + p-Xylene	106	7.804	7.803	(1.031)	1252901	93.7371	18.747
M	63 Xylenes (total)	106				1872891	140.624	28.125
	64 Xylene-o	106	8.171	8.181	(1.080)	619990	46.8871	9.377
	65 Styrene	104	8.183	8.181	(1.081)	1127413	47.4499	9.490
	66 Bromoform	173	8.360	8.359	(1.105)	213807	47.5950	9.519

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77669.D
Report Date: 16-Jul-2004 10:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.526	8.524	(1.127)	1398029	48.9341	9.787
68 1,1,2,2-Tetrachloroethane	83	8.786	8.797	(0.897)	442201	45.7773	9.155
69 1,4-Dichloro-2-butene	53	8.597	8.844	(0.878)	8626	2.43207	0.4864
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.733	9.731	(0.994)	608384	46.7824	9.356
81 1,4-Dichlorobenzene	146	9.816	9.814	(1.002)	642505	47.3020	9.460
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.183	10.181	(1.040)	609918	46.8870	9.377
84 1,2-Dibromo-3-chloropropane	157	10.940	10.938	(1.117)	94711	51.7651	10.353
85 1,2,4-Trichlorobenzene	180	11.780	11.778	(1.203)	322228	44.6710	8.934
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.503	4.501	(0.909)	625105	47.2505	9.450
143 Methyl Acetate	43	2.929	2.927	(0.591)	329453	51.0412	10.208
144 Methylcyclohexane	83	5.438	5.436	(1.098)	436850	45.8188	9.164
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GLD9E1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4G200000-119 GLD9E1AD-LCSD
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202119
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**97**	**(80 - 116)**			**SW846 8260B**
	94	**(80 - 116)**	**3.2**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**95**	**(76 - 117)**			**SW846 8260B**
	92	**(76 - 117)**	**3.5**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**103**	**(63 - 130)**			**SW846 8260B**
	99	**(63 - 130)**	**4.6**	**(0-20)**	**SW846 8260B**
Toluene	**95**	**(74 - 119)**			**SW846 8260B**
	92	**(74 - 119)**	**3.2**	**(0-20)**	**SW846 8260B**
Trichloroethene	**99**	**(75 - 122)**			**SW846 8260B**
	97	**(75 - 122)**	**1.8**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(73 - 122)
	89	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
	94	(61 - 128)
Toluene-d8	92	(76 - 110)
	90	(76 - 110)
4-Bromofluorobenzene	87	(74 - 116)
	85	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GLD9E1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4G200000-119 GLD9E1AD-LCSD
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202119
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	10	**9.4**	**ug/L**	**94**	**3.2**	**SW846 8260B**
Chlorobenzene	**10**	**9.5**	**ug/L**	**95**		**SW846 8260B**
	10	**9.2**	**ug/L**	**92**	**3.5**	**SW846 8260B**
1,1-Dichloroethene	**10**	**10**	**ug/L**	**103**		**SW846 8260B**
	10	**9.9**	**ug/L**	**99**	**4.6**	**SW846 8260B**
Toluene	**10**	**9.5**	**ug/L**	**95**		**SW846 8260B**
	10	**9.2**	**ug/L**	**92**	**3.2**	**SW846 8260B**
Trichloroethene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**9.7**	**ug/L**	**97**	**1.8**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(73 - 122)
	89	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
	94	(61 - 128)
Toluene-d8	92	(76 - 110)
	90	(76 - 110)
4-Bromofluorobenzene	87	(74 - 116)
	85	(74 - 116)

NOTE(S):

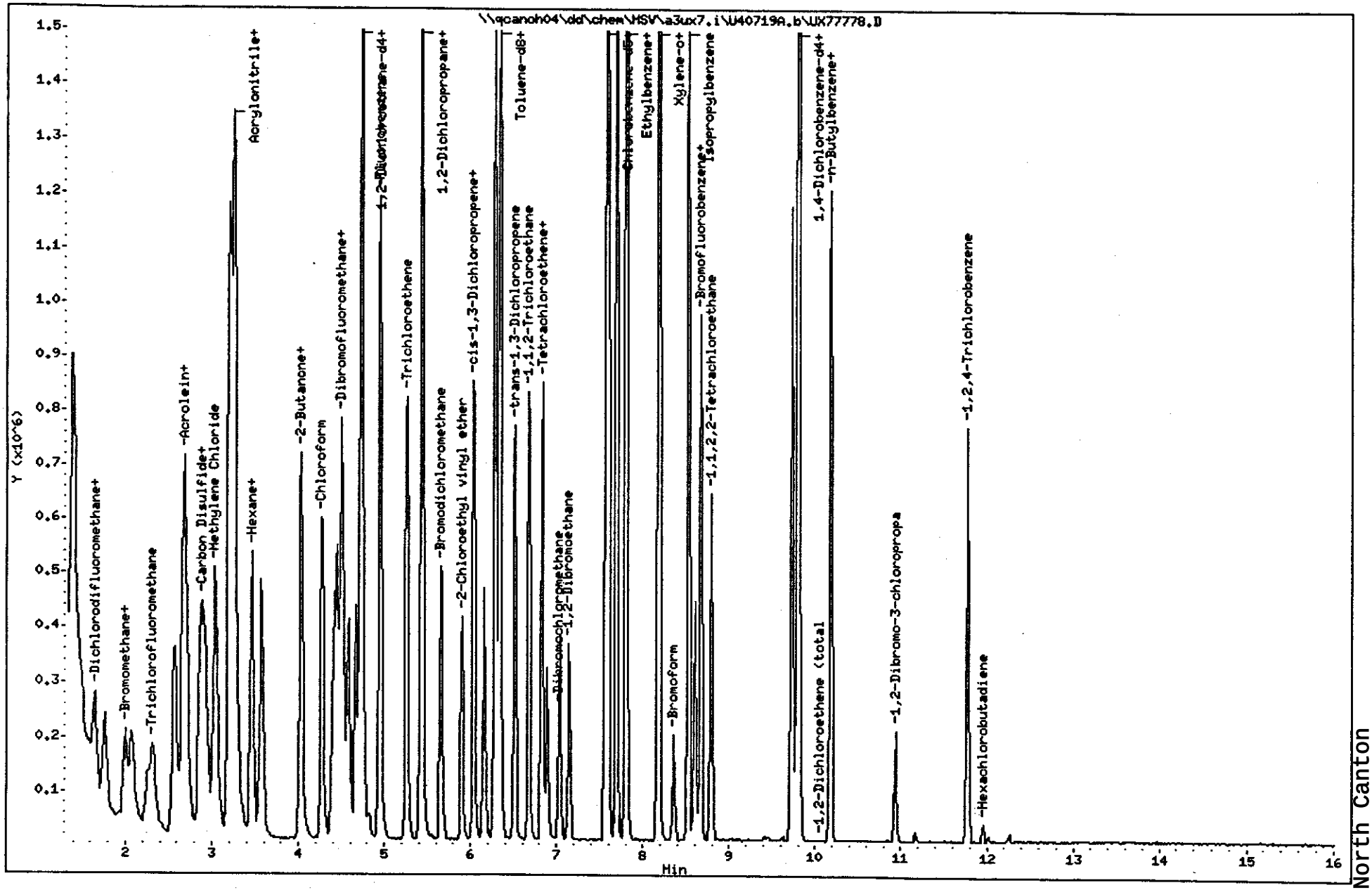
Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40719A.b\UX77778.D
Date : 19-JUL-2004 09:19
Client ID: GLD9E1AC
Sample Info: LCS
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\U40719A.b\UX77778.D
Report Date: 20-Jul-2004 09:06

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77778.D
Lab Smp Id: LCS
Inj Date : 19-JUL-2004 09:19
Operator : 1754 Inst ID: a3ux7.i
Smp Info : LCS
Misc Info : U40719A,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 09:00 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	4.940	(1.000)	1278882	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	892669	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	384107	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	262621	46.5636	9.313
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	401465	46.8369	9.367
$ 6 Toluene-d8	98	6.278	6.278	(0.830)	1112980	46.0470	9.209
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	405174	43.4163	8.683
8 Dichlorodifluoromethane	85	1.604	1.592	(0.324)	242941	51.8825	10.376
9 Chloromethane	50	1.651	1.651	(0.333)	453022	43.9598	8.792
10 Vinyl Chloride	62	1.758	1.757	(0.355)	419619	47.3248	9.465
11 Bromomethane	94	1.994	1.994	(0.403)	223740	49.3141	9.863
12 Chloroethane	64	2.077	2.065	(0.419)	275438	45.8604	9.172
13 Trichlorofluoromethane	101	2.314	2.314	(0.467)	428963	54.0807	10.816
15 Acrolein	56	2.574	2.562	(0.520)	690197	508.332	101.67
16 Acetone	43	2.680	2.680	(0.541)	123571	31.2641	6.253
17 1,1-Dichloroethene	96	2.669	2.669	(0.539)	316439	51.6524	10.330
18 Freon-113	151	2.704	2.692	(0.546)	226258	62.5508	12.510
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77778.D
Report Date: 20-Jul-2004 09:06

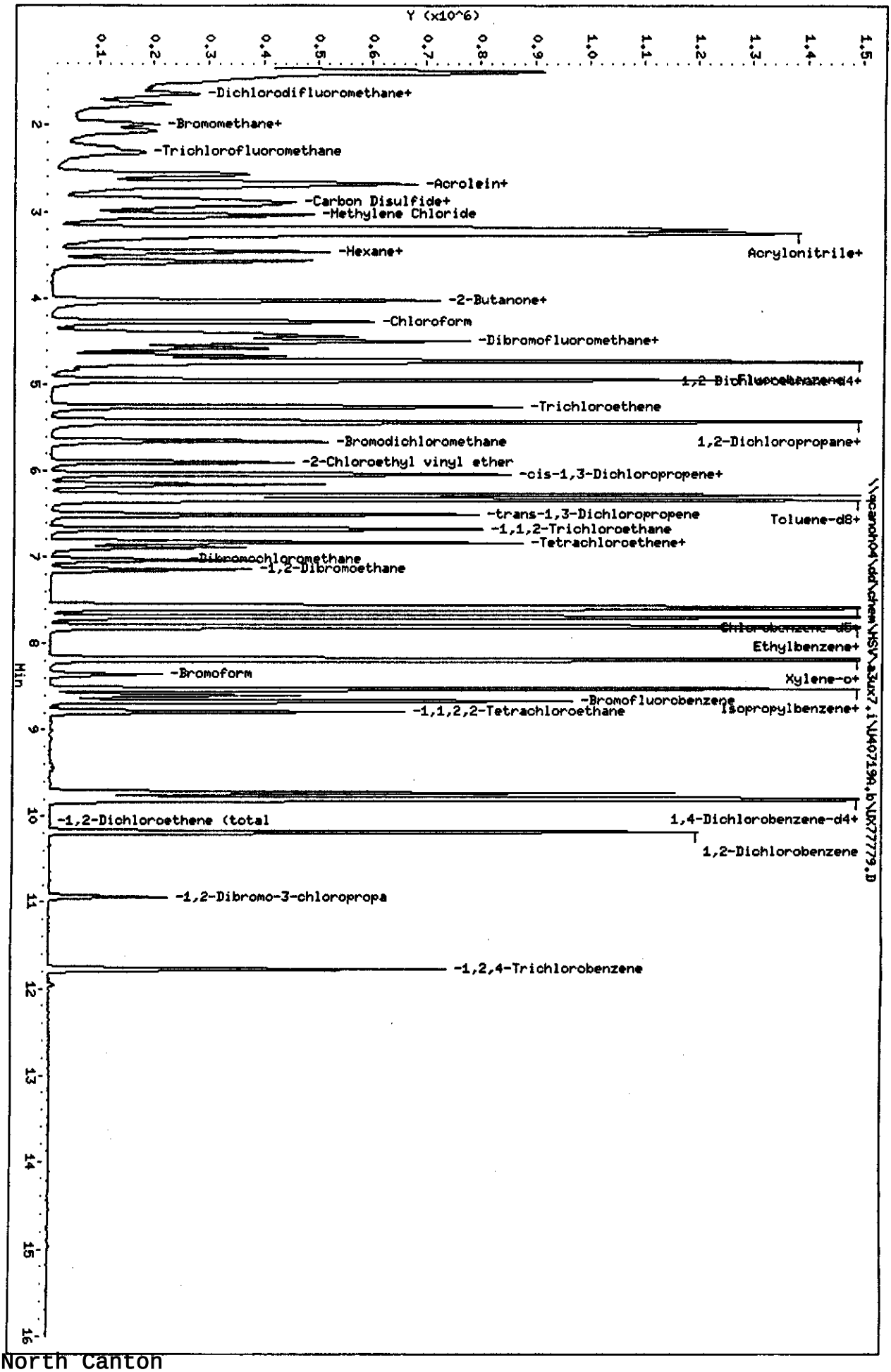
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	* CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.870	2.870	(0.580)	1155153	53.5324	10.706
	21 Methylene Chloride	84	3.035	3.035	(0.613)	408745	52.8897	10.578
	22 Acetonitrile	41	2.905	2.905	(0.587)	542414	539.914	107.98
	23 Acrylonitrile	53	3.201	3.201	(0.646)	1564878	505.590	101.12
	24 Methyl tert-butyl ether	73	3.260	3.248	(0.658)	1102968	37.7491	7.550
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	354026	49.3465	9.869
	26 Hexane	86	3.461	3.461	(0.699)	67215	59.2431	11.849
	27 Vinyl acetate	43	3.461	3.591	(0.699)	241858	14.6279	2.926
	28 1,1-Dichloroethane	63	3.568	3.568	(0.720)	673813	48.6069	9.721
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.018	4.006	(0.811)	172576	35.0315	7.006
M	31 1,2-Dichloroethene (total)	96				726528	97.9930	19.599
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	372502	48.6465	9.729
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.278	4.266	(0.864)	620723	49.7264	9.945
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.444	4.443	(0.897)	514133	46.4747	9.295
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.586	4.585	(0.926)	322991	38.8673	7.773
	40 1,2-Dichloroethane	62	4.728	4.727	(0.955)	549165	49.8904	9.978
	41 Benzene	78	4.728	4.727	(0.955)	1507413	48.3271	9.665
	42 Trichloroethene	130	5.260	5.260	(1.062)	331395	49.4098	9.882
	43 1,2-Dichloropropane	63	5.438	5.426	(1.098)	388637	47.7567	9.551
	44 1,4-Dioxane	88	5.544	5.532	(1.119)	5474	77.5441	15.509
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.651	5.650	(1.141)	417148	42.3065	8.461
	47 2-Chloroethyl vinyl ether	63	5.899	5.887	(1.191)	208178	42.2641	8.453
	48 cis-1,3-Dichloropropene	75	6.029	6.029	(1.217)	568094	44.9105	8.982
	49 4-Methyl-2-pentanone	43	6.159	6.147	(1.244)	363444	44.1812	8.836
	50 Toluene	91	6.337	6.337	(0.837)	1525276	47.5639	9.513
	51 trans-1,3-Dichloropropene	75	6.514	6.502	(0.861)	496922	41.0750	8.215
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.668	6.668	(0.881)	306578	47.8590	9.572
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.834	6.834	(0.903)	208938	48.1601	9.632
	56 2-Hexanone	43	6.893	6.881	(0.911)	249341	34.8377	6.968
	57 Dibromochloromethane	129	7.035	7.035	(0.930)	218299	33.3321	6.666
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	289422	46.5777	9.316
	59 Chlorobenzene	112	7.591	7.591	(1.003)	895145	47.5805	9.516
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.698	7.697	(1.017)	473876	48.0261	9.605
	62 m + p-Xylene	106	7.804	7.804	(1.031)	1145759	95.4793	19.096
M	63 Xylenes (total)	106				1703079	142.425	28.485
	64 Xylene-o	106	8.171	8.171	(1.080)	557320	46.9455	9.389
	65 Styrene	104	8.183	8.183	(1.081)	988352	46.3324	9.266
	66 Bromoform	173	8.360	8.360	(1.105)	96866	24.0177	4.804

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77778.D
Report Date: 20-Jul-2004 09:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.526	8.526	(1.127)	1259461	49.1022	9.820
68 1,1,2,2-Tetrachloroethane	83	8.798	8.786	(0.898)	384480	44.3285	8.866
69 1,4-Dichloro-2-butene	53	8.597	8.845	(0.878)	9497	2.98217	0.5964
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.733	9.733	(0.994)	554827	47.5161	9.503
81 1,4-Dichlorobenzene	146	9.816	9.816	(1.002)	585809	48.0327	9.606
82 n-Butylbenzene	91	10.171	10.171	(1.039)	14403	0.76019	0.1520
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	540857	46.3065	9.261
84 1,2-Dibromo-3-chloropropane	157	10.940	10.940	(1.117)	50887	30.9757	6.195
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	257205	39.7118	7.942
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	6739	2.73041	0.5461
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.503	4.503	(0.909)	592805	51.2084	10.242
143 Methyl Acetate	43	2.941	2.929	(0.594)	281317	49.8079	9.962
144 Methylcyclohexane	83	5.438	5.426	(1.098)	412522	49.4462	9.889
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U407190.b\UX77779.D
Date : 19-JUL-2004 09:43
Client ID: GLD9EIAD
Sample Info: LCSD
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\U40719A.b\UX77779.D
Report Date: 20-Jul-2004 09:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77779.D
Lab Smp Id: LCSD
Inj Date : 19-JUL-2004 09:43
Operator : 1754 Inst ID: a3ux7.i
Smp Info : LCSD
Misc Info : U40719A,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 09:00 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 5 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	4.940	(1.000)	1302106	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	908312	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.792	(1.000)	391720	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	254525	44.3233	8.865
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	409648	46.9392	9.388
$ 6 Toluene-d8	98	6.277	6.278	(0.830)	1103881	44.8840	8.977
$ 7 Bromofluorobenzene	95	8.667	8.668	(1.145)	402798	42.4183	8.484
8 Dichlorodifluoromethane	85	1.591	1.592	(0.321)	246031	51.5968	10.319
9 Chloromethane	50	1.651	1.651	(0.333)	449998	42.8876	8.578
10 Vinyl Chloride	62	1.757	1.757	(0.355)	412818	45.7273	9.145
11 Bromomethane	94	1.994	1.994	(0.403)	222123	47.9687	9.594
12 Chloroethane	64	2.077	2.065	(0.419)	275388	45.0342	9.007
13 Trichlorofluoromethane	101	2.313	2.314	(0.467)	423113	52.3918	10.478
15 Acrolein	56	2.573	2.562	(0.520)	710611	514.032	102.81
16 Acetone	43	2.680	2.680	(0.541)	129508	32.1721	6.434
17 1,1-Dichloroethene	96	2.680	2.669	(0.541)	307559	49.3075	9.862
18 Freon-113	151	2.692	2.692	(0.544)	220162	59.7800	11.956
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77779.D
Report Date: 20-Jul-2004 09:07

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS' ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.869	2.870	(0.579)	1149083	52.3013	10.460
	21 Methylene Chloride	84	3.035	3.035	(0.613)	400205	50.6174	10.123
	22 Acetonitrile	41	2.905	2.905	(0.587)	568036	555.334	111.07
	23 Acrylonitrile	53	3.201	3.201	(0.646)	1640401	520.537	104.11
	24 Methyl tert-butyl ether	73	3.260	3.248	(0.658)	1105708	37.1679	7.434
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	346974	47.5010	9.500
	26 Hexane	86	3.461	3.461	(0.699)	61915	53.4964	10.699
	27 Vinyl acetate	43	3.461	3.591	(0.699)	215219	12.7846	2.557
	28 1,1-Dichloroethane	63	3.567	3.568	(0.720)	676042	47.8979	9.580
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.017	4.006	(0.811)	184832	36.8502	7.370
M	31 1,2-Dichloroethene (total)	96				715082	94.7162	18.943
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	368108	47.2153	9.443
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.277	4.266	(0.864)	609390	47.9478	9.590
	36 Tetrahydrofuran	42	4.017	4.254	(0.811)	11246	3.48940	0.6979
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	516504	45.8563	9.171
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	331431	39.1716	7.834
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	546013	48.7193	9.744
	41 Benzene	78	4.739	4.727	(0.957)	1485740	46.7827	9.356
	42 Trichloroethene	130	5.260	5.260	(1.062)	331390	48.5278	9.706
	43 1,2-Dichloropropane	63	5.425	5.426	(1.096)	384084	46.3554	9.271
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.662	5.650	(1.143)	414157	41.2540	8.251
	47 2-Chloroethyl vinyl ether	63	5.898	5.887	(1.191)	217823	43.4335	8.687
	48 cis-1,3-Dichloropropene	75	6.040	6.029	(1.220)	563473	43.7507	8.750
	49 4-Methyl-2-pentanone	43	6.159	6.147	(1.244)	387038	46.2101	9.242
	50 Toluene	91	6.336	6.337	(0.837)	1503006	46.0622	9.212
	51 trans-1,3-Dichloropropene	75	6.514	6.502	(0.861)	497372	40.4041	8.081
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.679	6.668	(0.883)	293389	45.0114	9.002
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.833	6.834	(0.903)	206267	46.7256	9.345
	56 2-Hexanone	43	6.892	6.881	(0.911)	269768	37.0427	7.408
	57 Dibromochloromethane	129	7.034	7.035	(0.930)	221781	33.2805	6.656
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	296813	46.9445	9.389
	59 Chlorobenzene	112	7.602	7.591	(1.005)	879808	45.9599	9.192
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.697	7.697	(1.017)	452822	45.1020	9.020
	62 m + p-Xylene	106	7.804	7.804	(1.031)	1146916	93.9297	18.786
M	63 Xylenes (total)	106				1701494	139.840	27.968
	64 Xylene-o	106	8.170	8.171	(1.080)	554578	45.9100	9.182
	65 Styrene	104	8.182	8.183	(1.081)	981617	45.2242	9.045
	66 Bromoform	173	8.360	8.360	(1.105)	104072	25.3600	5.072

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77779.D
Report Date: 20-Jul-2004 09:07

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)	1233759	47.2718	9.454
68 1,1,2,2-Tetrachloroethane	83	8.786	8.786	(0.897)	393001	44.4303	8.886
69 1,4-Dichloro-2-butene	53	8.596	8.845	(0.878)	9238	2.84446	0.5689
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.732	9.733	(0.994)	540118	45.3574	9.071
81 1,4-Dichlorobenzene	146	9.815	9.816	(1.002)	572251	46.0092	9.202
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	542543	45.5481	9.110
84 1,2-Dibromo-3-chloropropane	157	10.939	10.940	(1.117)	56472	33.7073	6.741
85 1,2,4-Trichlorobenzene	180	11.779	11.780	(1.203)	248112	37.5634	7.513
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.502	4.503	(0.909)	565704	47.9957	9.599
143 Methyl Acetate	43	2.940	2.929	(0.594)	297357	51.7089	10.342
144 Methylcyclohexane	83	5.437	5.426	(1.098)	394818	46.4801	9.296
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GLD9H1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4G200000-123 GLD9H1AD-LCSD
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202123
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**97**	**(80 - 116)**			**SW846 8260B**
	93	**(80 - 116)**	**4.4**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**98**	**(76 - 117)**			**SW846 8260B**
	96	**(76 - 117)**	**2.1**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**104**	**(63 - 130)**			**SW846 8260B**
	99	**(63 - 130)**	**4.8**	**(0-20)**	**SW846 8260B**
Toluene	**98**	**(74 - 119)**			**SW846 8260B**
	95	**(74 - 119)**	**3.1**	**(0-20)**	**SW846 8260B**
Trichloroethene	**101**	**(75 - 122)**			**SW846 8260B**
	96	**(75 - 122)**	**4.7**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(73 - 122)
	91	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
	94	(61 - 128)
Toluene-d8	94	(76 - 110)
	91	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)
	86	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GLD9H1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4G200000-123 GLD9H1AD-LCSD
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202123
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	10	**9.3**	**ug/L**	**93**	**4.4**	**SW846 8260B**
Chlorobenzene	**10**	**9.8**	**ug/L**	**98**		**SW846 8260B**
	10	**9.6**	**ug/L**	**96**	**2.1**	**SW846 8260B**
1,1-Dichloroethene	**10**	**10**	**ug/L**	**104**		**SW846 8260B**
	10	**9.9**	**ug/L**	**99**	**4.8**	**SW846 8260B**
Toluene	**10**	**9.8**	**ug/L**	**98**		**SW846 8260B**
	10	**9.5**	**ug/L**	**95**	**3.1**	**SW846 8260B**
Trichloroethene	**10**	**10**	**ug/L**	**101**		**SW846 8260B**
	10	**9.6**	**ug/L**	**96**	**4.7**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(73 - 122)
	91	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
	94	(61 - 128)
Toluene-d8	94	(76 - 110)
	91	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)
	86	(74 - 116)

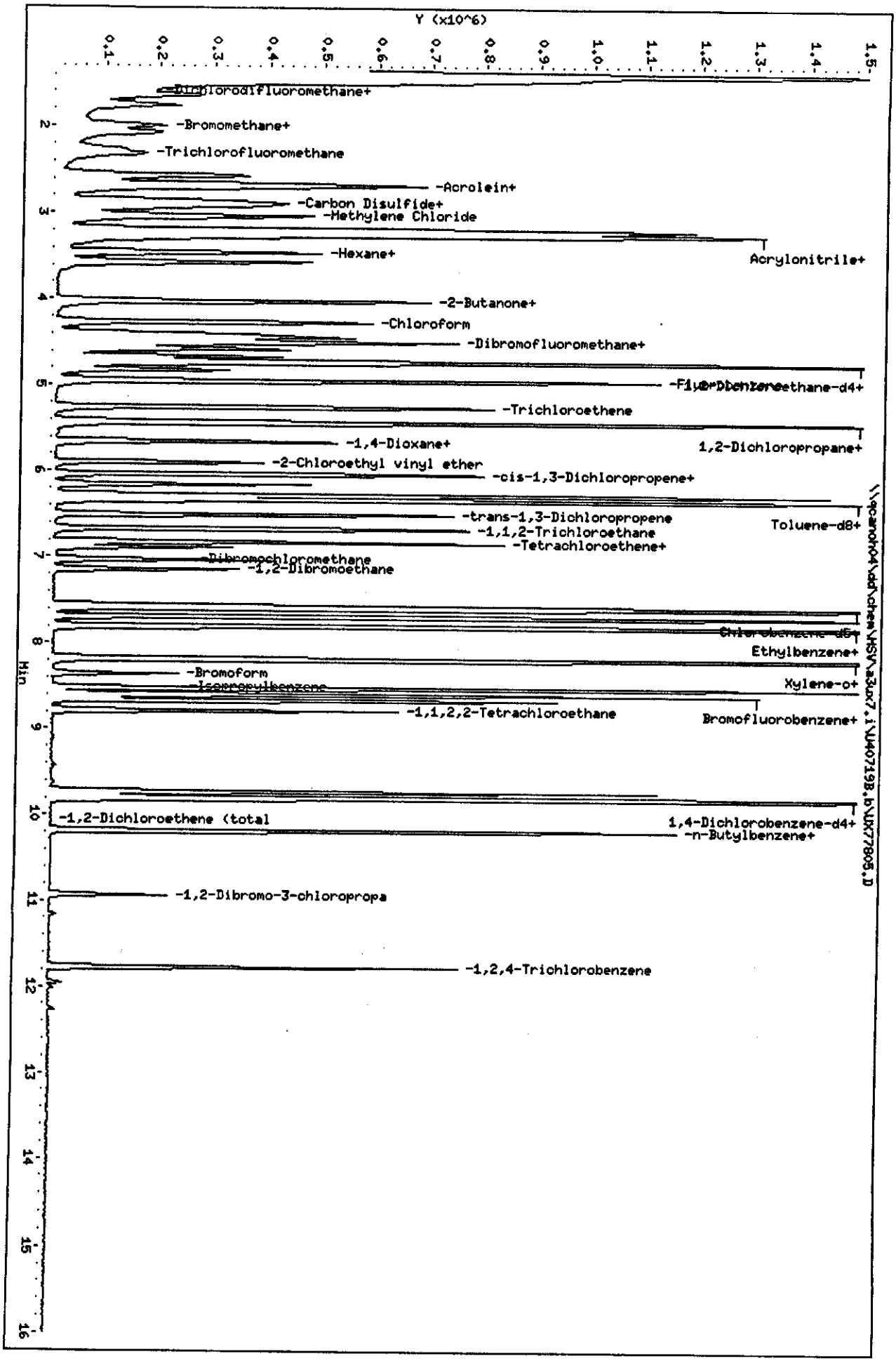
NOTE(S):

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

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40719B.b\UX77805.D
Date : 19-JUL-2004 20:19
Client ID: GLD9MMAC
Sample Info: LCS
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\U40719B.b\UX77805.D
Report Date: 20-Jul-2004 09:59

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77805.D
Lab Smp Id: LCS
Inj Date : 19-JUL-2004 20:19
Operator : 1754 Inst ID: a3ux7.i
Smp Info : LCS
Misc Info : U40719B,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 08:40 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 32 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	4.952	(1.000)	1197176	50.0000	
* 2 Chlorobenzene-d5	117	7.566	7.567	(1.000)	824867	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.792	(1.000)	357567	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.396	(0.888)	249378	47.2332	9.447
$ 5 1,2-Dichloroethane-d4	65	4.667	4.668	(0.943)	391698	48.8163	9.763
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	1049864	47.0060	9.401
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	384430	44.5794	8.916
8 Dichlorodifluoromethane	85	1.591	1.591	(0.321)	225016	51.3172	10.263
9 Chloromethane	50	1.638	1.639	(0.331)	429068	44.4770	8.895
10 Vinyl Chloride	62	1.757	1.757	(0.355)	382825	46.1218	9.224
11 Bromomethane	94	1.993	1.994	(0.403)	210403	49.5612	9.912
12 Chloroethane	64	2.076	2.065	(0.419)	264785	47.0955	9.419
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	397616	53.5499	10.710
15 Acrolein	56	2.573	2.562	(0.520)	673988	530.272	106.05
16 Acetone	43	2.680	2.680	(0.541)	153110	41.3665	8.273
17 1,1-Dichloroethene	96	2.680	2.680	(0.541)	297988	51.9603	10.392
18 Freon-113	151	2.703	2.704	(0.546)	213106	62.9357	12.587
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77805.D
Report Date: 20-Jul-2004 09:59

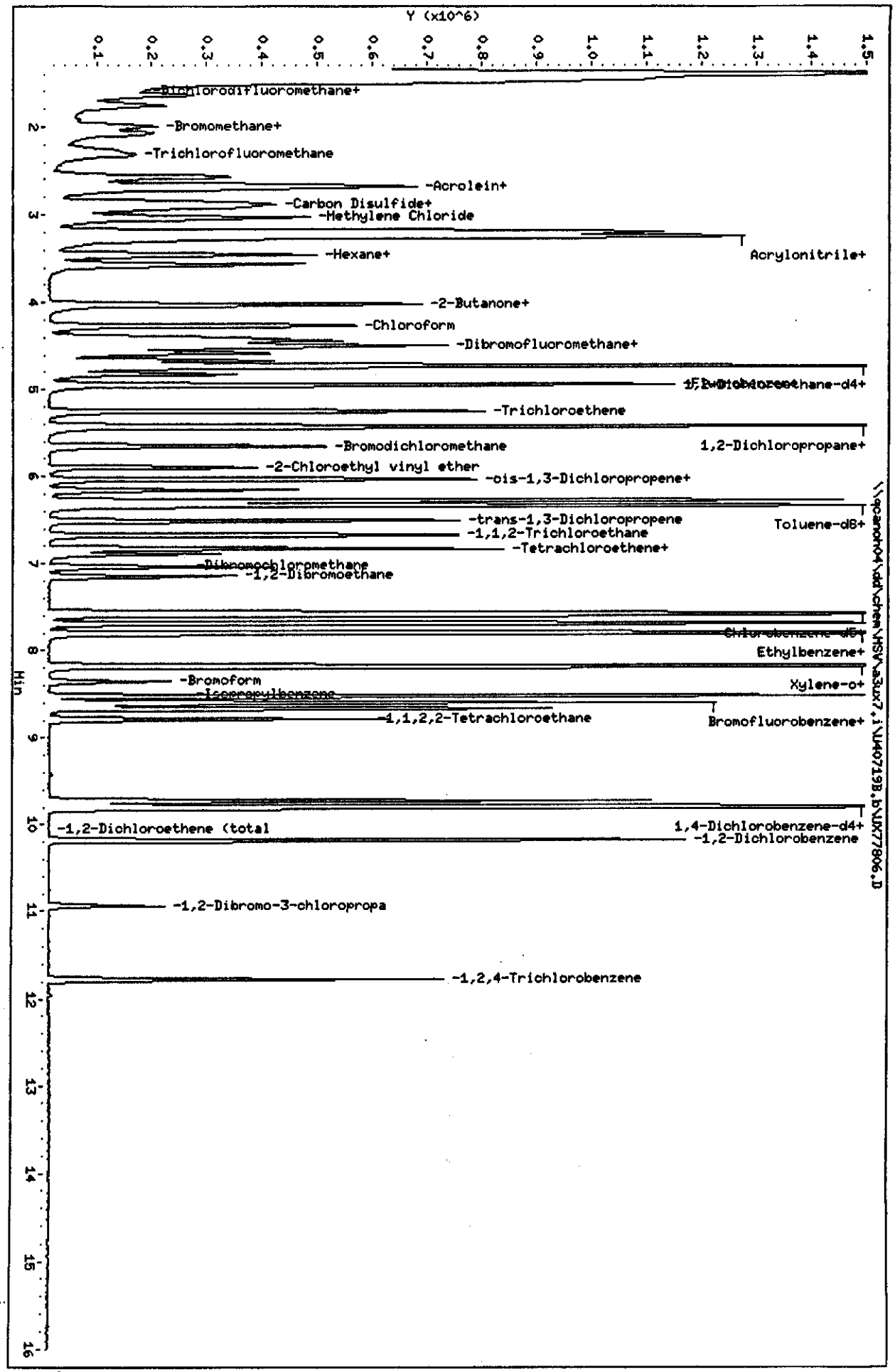
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.869	2.869	(0.579)	1090272	53.9740	10.795
	21 Methylene Chloride	84	3.035	3.035	(0.613)	379767	52.4458	10.489
	22 Acetonitrile	41	2.893	2.905	(0.584)	527363	560.759	112.15
	23 Acrylonitrile	53	3.200	3.201	(0.646)	1527657	527.249	105.45
	24 Methyl tert-butyl ether	73	3.259	3.260	(0.658)	1044175	38.1759	7.635
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	342660	51.0220	10.204
	26 Hexane	86	3.461	3.461	(0.699)	57855	54.3877	10.878
	27 Vinyl acetate	43	3.461	3.591	(0.699)	207724	13.4209	2.684
	28 1,1-Dichloroethane	63	3.567	3.568	(0.720)	649496	50.0504	10.010
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.017	4.017	(0.811)	179963	39.0242	7.805
M	31 1,2-Dichloroethene (total)	96				686542	98.9959	19.799
	32 cis-1,2-dichloroethene	96	4.028	4.029	(0.814)	343882	47.9739	9.595
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.277	4.266	(0.864)	580847	49.7077	9.942
	36 Tetrahydrofuran	42	4.017	4.254	(0.811)	12185	4.32528	0.8650
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	507363	48.9928	9.798
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	341328	43.8772	8.775
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	531240	51.5558	10.311
	41 Benzene	78	4.738	4.727	(0.957)	1422693	48.7239	9.745
	42 Trichloroethene	130	5.259	5.260	(1.062)	317419	50.5560	10.111
	43 1,2-Dichloropropane	63	5.437	5.425	(1.098)	371732	48.7969	9.759
	44 1,4-Dioxane	88	5.555	5.532	(1.122)	6307	95.4419	19.088
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.661	5.662	(1.143)	417898	45.2752	9.055
	47 2-Chloroethyl vinyl ether	63	5.898	5.899	(1.191)	189842	41.1720	8.234
	48 cis-1,3-Dichloropropene	75	6.040	6.029	(1.220)	538155	45.4472	9.089
	49 4-Methyl-2-pentanone	43	6.158	6.159	(1.244)	359114	46.6342	9.327
	50 Toluene	91	6.336	6.336	(0.837)	1452853	49.0294	9.806
	51 trans-1,3-Dichloropropene	75	6.513	6.514	(0.861)	473645	42.3690	8.474
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.679	6.668	(0.883)	289725	48.9458	9.789
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	201517	50.2676	10.054
	56 2-Hexanone	43	6.892	6.893	(0.911)	256040	38.7142	7.743
	57 Dibromochloromethane	129	7.034	7.035	(0.930)	236966	39.1564	7.831
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	283632	49.3979	9.880
	59 Chlorobenzene	112	7.602	7.591	(1.005)	848992	48.8367	9.767
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.697	7.697	(1.017)	453569	49.7465	9.949
	62 m + p-Xylene	106	7.803	7.804	(1.031)	1096419	98.8778	19.776
M	63 Xylenes (total)	106				1633372	147.825	29.565
	64 Xylene-o	106	8.170	8.170	(1.080)	536953	48.9477	9.790
	65 Styrene	104	8.182	8.182	(1.081)	940308	47.7034	9.541
	66 Bromoform	173	8.359	8.360	(1.105)	117696	31.5812	6.316

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77805.D
Report Date: 20-Jul-2004 09:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.525	8.525	(1.127)	1180843	49.8213	9.964
68 1,1,2,2-Tetrachloroethane	83	8.797	8.786	(0.898)	377934	46.8080	9.362
69 1,4-Dichloro-2-butene	53	8.596	8.845	(0.878)	27261	9.19564	1.839
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	520772	47.9099	9.582
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	545674	48.0628	9.612
82 n-Butylbenzene	91	10.170	10.158	(1.039)	13225	0.74982	0.1500
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	514140	47.2863	9.457
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	56967	37.2506	7.450
85 1,2,4-Trichlorobenzene	180	11.779	11.780	(1.203)	242802	40.2705	8.054
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.502	4.502	(0.909)	546116	50.3949	10.079
143 Methyl Acetate	43	2.940	2.929	(0.594)	287199	54.3198	10.864
144 Methylcyclohexane	83	5.437	5.437	(1.098)	383491	49.1036	9.821
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanon04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77806.D
Date : 19-JUL-2004 20:43
Client ID: GLD9MAD
Sample Info: LCSD
Purge Volume: 5.0
Column phase: DB624 20m

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



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Report Date: 20-Jul-2004 10:00

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77806.D
Lab Smp Id: LCSD
Inj Date : 19-JUL-2004 20:43
Operator : 1754 Inst ID: a3ux7.i
Smp Info : LCSD
Misc Info : U40719B,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 08:40 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 33 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	4.952	(1.000)	1235618	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	845274	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	373065	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	247281	45.3789	9.076
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	388618	46.9256	9.385
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	1047017	45.7468	9.149
$ 7 Bromofluorobenzene	95	8.668	8.667	(1.145)	381983	43.2263	8.645
8 Dichlorodifluoromethane	85	1.592	1.591	(0.321)	225780	49.8425	9.968
9 Chloromethane	50	1.639	1.639	(0.331)	427702	42.9560	8.591
10 Vinyl Chloride	62	1.757	1.757	(0.355)	392418	45.8066	9.161
11 Bromomethane	94	1.994	1.994	(0.403)	213306	48.5985	9.720
12 Chloroethane	64	2.065	2.065	(0.417)	265728	45.7928	9.158
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	402389	52.5067	10.501
15 Acrolein	56	2.574	2.562	(0.520)	639623	487.579	97.516
16 Acetone	43	2.680	2.680	(0.541)	143415	37.5222	7.504
17 1,1-Dichloroethene	96	2.668	2.680	(0.539)	293034	49.5068	9.901
18 Freon-113	151	2.692	2.704	(0.544)	210575	60.2535	12.051
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77806.D
Report Date: 20-Jul-2004 10:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.869	2.869	(0.579)	1091964	52.3759	10.475
	21 Methylene Chloride	84	3.035	3.035	(0.613)	376500	50.1277	10.026
	22 Acetonitrile	41	2.905	2.905	(0.587)	495678	510.669	102.13
	23 Acrylonitrile	53	3.201	3.201	(0.646)	1477626	494.116	98.823
	24 Methyl tert-butyl ether	73	3.260	3.260	(0.658)	1037358	36.7467	7.349
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	337119	48.6352	9.727
	26 Hexane	86	3.461	3.461	(0.699)	57615	52.4383	10.488
	27 Vinyl acetate	43	3.461	3.591	(0.699)	210376	13.1693	2.634
	28 1,1-Dichloroethane	63	3.568	3.568	(0.720)	643164	48.0205	9.604
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.017	4.017	(0.811)	169366	35.5837	7.117
M	31 1,2-Dichloroethene (total)	96				683528	95.4581	19.092
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	346409	46.8229	9.364
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.266	4.266	(0.861)	583123	48.3499	9.670
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	501714	46.9401	9.388
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	342819	42.6978	8.540
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	529004	49.7415	9.948
	41 Benzene	78	4.727	4.727	(0.955)	1405091	46.6240	9.325
	42 Trichloroethene	130	5.260	5.260	(1.062)	312590	48.2379	9.648
	43 1,2-Dichloropropane	63	5.425	5.425	(1.096)	363739	46.2622	9.252
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.662	5.662	(1.143)	420377	44.1268	8.825
	47 2-Chloroethyl vinyl ether	63	5.899	5.899	(1.191)	186656	39.2216	7.844
	48 cis-1,3-Dichloropropene	75	6.041	6.029	(1.220)	533016	43.6128	8.722
	49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	343961	43.2768	8.655
	50 Toluene	91	6.336	6.336	(0.837)	1443263	47.5299	9.506
	51 trans-1,3-Dichloropropene	75	6.514	6.514	(0.861)	464735	40.5684	8.114
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.680	6.668	(0.883)	285404	47.0518	9.410
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	200344	48.7685	9.754
	56 2-Hexanone	43	6.893	6.893	(0.911)	236411	34.8833	6.977
	57 Dibromochloromethane	129	7.035	7.035	(0.930)	237231	38.2538	7.651
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	282269	47.9737	9.595
	59 Chlorobenzene	112	7.603	7.591	(1.005)	851708	47.8101	9.562
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.697	7.697	(1.017)	443191	47.4347	9.487
	62 m + p-Xylene	106	7.804	7.804	(1.031)	1099919	96.7987	19.360
M	63 Xylenes (total)	106				1632969	144.217	28.843
	64 Xylene-o	106	8.171	8.170	(1.080)	533050	47.4188	9.484
	65 Styrene	104	8.182	8.182	(1.081)	936324	46.3545	9.271
	66 Bromoform	173	8.360	8.360	(1.105)	117316	30.7193	6.144

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77806.D
Report Date: 20-Jul-2004 10:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.526	8.525	(1.127)	1189632	48.9803	9.796
68 1,1,2,2-Tetrachloroethane	83	8.786	8.786	(0.897)	367561	43.6321	8.726
69 1,4-Dichloro-2-butene	53	8.597	8.845	(0.878)	25819	8.34743	1.669
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.733	9.732	(0.994)	507490	44.7485	8.950
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	553773	46.7499	9.350
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	512997	45.2212	9.044
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	56752	35.5683	7.114
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	235825	37.4885	7.498
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.502	4.502	(0.909)	541980	48.4572	9.691
143 Methyl Acetate	43	2.929	2.929	(0.591)	275828	50.5461	10.109
144 Methylcyclohexane	83	5.437	5.437	(1.098)	375994	46.6459	9.329
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GLHGE1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4G210000-254 GLHGE1AD-LCSD
Prep Date.....: 07/21/04 **Analysis Date..:** 07/21/04
Prep Batch #...: 4203254
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**98**	**(80 - 116)**			**SW846 8260B**
	96	**(80 - 116)**	**1.3**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**100**	**(76 - 117)**			**SW846 8260B**
	94	**(76 - 117)**	**5.9**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**103**	**(63 - 130)**			**SW846 8260B**
	104	**(63 - 130)**	**1.4**	**(0-20)**	**SW846 8260B**
Toluene	**100**	**(74 - 119)**			**SW846 8260B**
	94	**(74 - 119)**	**6.2**	**(0-20)**	**SW846 8260B**
Trichloroethene	**99**	**(75 - 122)**			**SW846 8260B**
	96	**(75 - 122)**	**2.9**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
	91	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
	95	(61 - 128)
Toluene-d8	96	(76 - 110)
	91	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)
	84	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GLHGE1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4G210000-254 GLHGE1AD-LCSD
Prep Date.....: 07/21/04 **Analysis Date..:** 07/21/04
Prep Batch #...: 4203254
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10**	**9.8**	**ug/L**	**98**		**SW846 8260B**
	10	**9.6**	**ug/L**	**96**	**1.3**	**SW846 8260B**
Chlorobenzene	**10**	**10**	**ug/L**	**100**		**SW846 8260B**
	10	**9.4**	**ug/L**	**94**	**5.9**	**SW846 8260B**
1,1-Dichloroethene	**10**	**10**	**ug/L**	**103**		**SW846 8260B**
	10	**10**	**ug/L**	**104**	**1.4**	**SW846 8260B**
Toluene	**10**	**10**	**ug/L**	**100**		**SW846 8260B**
	10	**9.4**	**ug/L**	**94**	**6.2**	**SW846 8260B**
Trichloroethene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**9.6**	**ug/L**	**96**	**2.9**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
	91	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
	95	(61 - 128)
Toluene-d8	96	(76 - 110)
	91	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)
	84	(74 - 116)

NOTE(S):

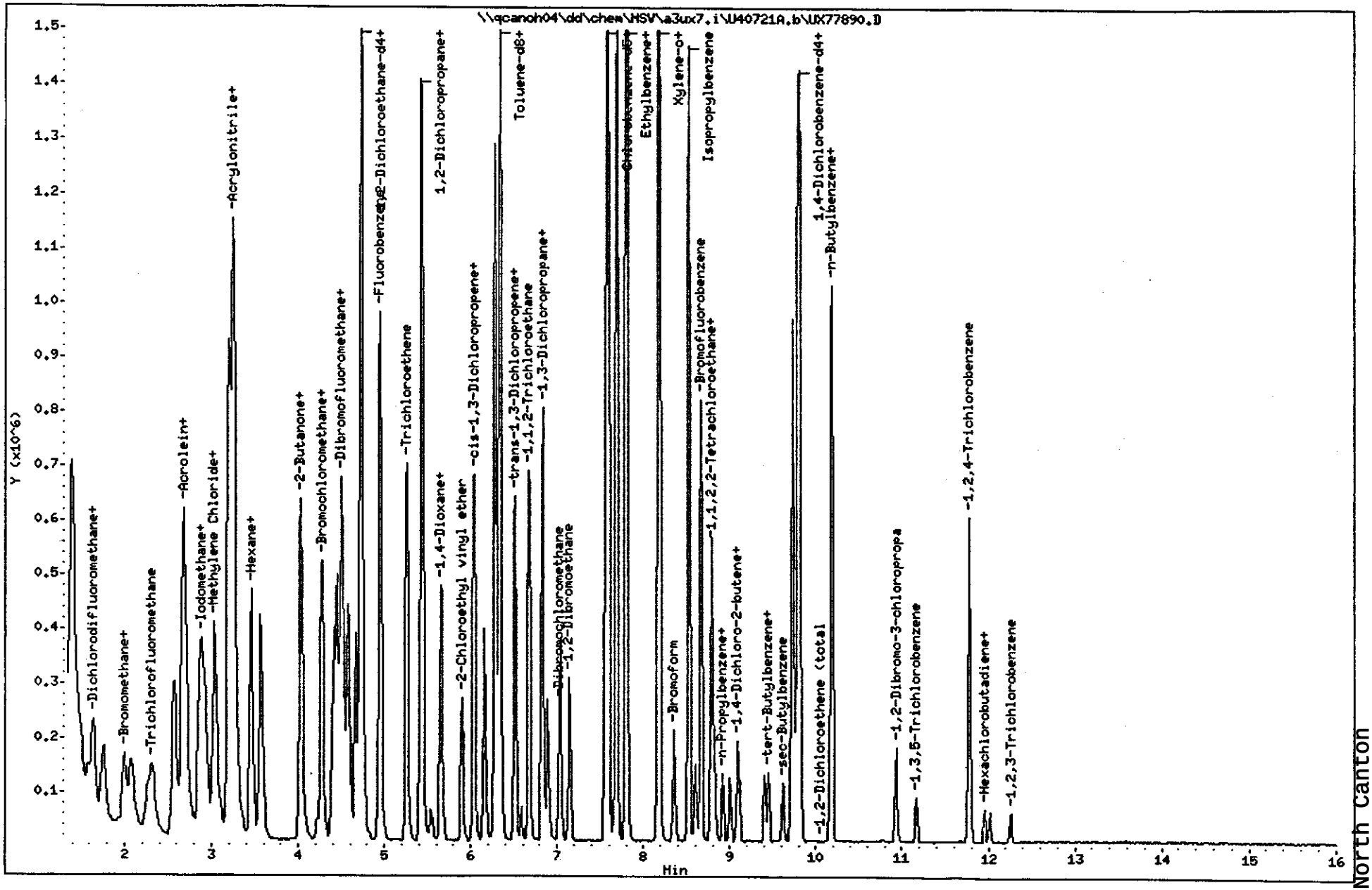
Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40721A.b\UX77890.D
Date : 21-JUL-2004 09:55
Client ID: GLHGEIAC
Sample Info: LCS
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\U40721A.b\UX77890.D
Report Date: 21-Jul-2004 13:39

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77890.D
Lab Smp Id: GLHGE1AC
Inj Date : 21-JUL-2004 09:55
Operator : 1754 Inst ID: a3ux7.i
Smp Info : LCS
Misc Info : U40721A,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\N8260UX7-3.m
Meth Date : 21-Jul-2004 09:49 tapsvc 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	4.951	(1.000)	1052978	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.566	(1.000)	715258	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	302270	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.395	(0.888)	221212	47.6362	9.527
$ 5 1,2-Dichloroethane-d4	65	4.668	4.667	(0.943)	348899	49.4370	9.887
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	934219	48.2381	9.648
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	332255	44.4334	8.887
8 Dichlorodifluoromethane	85	1.591	1.591	(0.321)	240682	62.6494	12.530
9 Chloromethane	50	1.639	1.638	(0.331)	378939	44.6598	8.932
10 Vinyl Chloride	62	1.757	1.745	(0.355)	335656	45.9768	9.195
11 Bromomethane	94	1.994	1.993	(0.403)	181089	48.3971	9.679
12 Chloroethane	64	2.076	2.076	(0.419)	220254	44.5398	8.908
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	339404	51.9697	10.394
15 Acrolein	56	2.573	2.573	(0.520)	571928	511.596	102.32
16 Acetone	43	2.680	2.680	(0.541)	118651	36.4267	7.285
17 1,1-Dichloroethene	96	2.668	2.668	(0.539)	259477	51.4412	10.288
18 Freon-113	151	2.692	2.691	(0.544)	188083	63.1524	12.630

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77890.D
Report Date: 21-Jul-2004 13:39

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.810	2.798	(0.568)	34856	4.88351	0.9767
	20 Carbon Disulfide	76	2.869	2.869	(0.579)	983388	55.3494	11.070
	21 Methylene Chloride	84	3.035	3.035	(0.613)	316752	49.4083	9.882
	22 Acetonitrile	41	2.905	2.893	(0.587)	426873	516.064	103.21
	23 Acrylonitrile	53	3.200	3.200	(0.646)	1206450	473.411	94.682
	24 Methyl tert-butyl ether	73	3.260	3.259	(0.658)	894814	37.1953	7.439
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	305424	51.7054	10.341
	26 Hexane	86	3.461	3.461	(0.699)	52561	56.2131	11.243
	27 Vinyl acetate	43	3.461	3.591	(0.699)	190786	14.0146	2.803
	28 1,1-Dichloroethane	63	3.567	3.567	(0.720)	574863	50.3656	10.073
	29 tert-Butyl Alcohol	59	3.118	3.117	(0.630)	54106	78.2578	15.652
	30 2-Butanone	43	4.017	4.017	(0.811)	149489	36.8552	7.371
M	31 1,2-Dichloroethene (total)	96				611989	100.330	20.066
	32 cis-1,2-dichloroethene	96	4.029	4.028	(0.814)	306565	48.6247	9.725
	33 2,2-Dichloropropane	77	4.041	4.040	(0.816)	38509	4.12474	0.8249
	34 Bromochloromethane	128	4.218	4.218	(0.852)	11754	4.47312	0.8946
	35 Chloroform	83	4.265	4.265	(0.861)	526238	51.2015	10.240
	36 Tetrahydrofuran	42	4.265	4.253	(0.861)	11140	4.54306	0.9086
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	446553	49.0259	9.805
	38 1,1-Dichloropropene	75	4.561	4.561	(0.921)	37869	4.91251	0.9825
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	310162	45.3308	9.066
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	475597	52.4764	10.495
	41 Benzene	78	4.727	4.727	(0.955)	1254191	48.8353	9.767
	42 Trichloroethene	130	5.259	5.259	(1.062)	272755	49.3914	9.878
	43 1,2-Dichloropropane	63	5.425	5.437	(1.096)	329049	49.1091	9.822
	44 1,4-Dioxane	88	5.543	5.543	(1.119)	26207	450.892	90.178 (A)
	45 Dibromomethane	93	5.532	5.531	(1.117)	17688	5.26171	1.052
	46 Bromodichloromethane	83	5.650	5.650	(1.141)	383181	47.1990	9.440
	47 2-Chloroethyl vinyl ether	63	5.898	5.898	(1.191)	129154	31.8461	6.369
	48 cis-1,3-Dichloropropene	75	6.040	6.040	(1.220)	460291	44.1948	8.839
	49 4-Methyl-2-pentanone	43	6.159	6.158	(1.244)	299284	44.1870	8.837
	50 Toluene	91	6.336	6.336	(0.837)	1283762	49.9621	9.992
	51 trans-1,3-Dichloropropene	75	6.514	6.513	(0.861)	406175	41.9016	8.380
	52 Ethyl Methacrylate	69	6.585	6.584	(0.870)	32674	3.59085	0.7182
	53 1,1,2-Trichloroethane	97	6.679	6.679	(0.883)	249199	48.5509	9.710
	54 1,3-Dichloropropane	76	6.821	6.821	(0.901)	46884	4.91282	0.9826
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	180710	51.9852	10.397
	56 2-Hexanone	43	6.892	6.892	(0.911)	198558	34.6235	6.925
	57 Dibromochloromethane	129	7.034	7.034	(0.930)	216681	41.2913	8.258
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	238921	47.9876	9.598
	59 Chlorobenzene	112	7.590	7.602	(1.003)	754606	50.0592	10.012
	60 1,1,1,2-Tetrachloroethane	131	7.673	7.661	(1.014)	20871	3.96615	0.7932
	61 Ethylbenzene	106	7.697	7.697	(1.017)	390581	49.4028	9.880
	62 m + p-Xylene	106	7.803	7.803	(1.031)	955984	99.4247	19.885
M	63 Xylenes (total)	106				1418867	148.086	29.617
	64 Xylene-o	106	8.170	8.170	(1.080)	462883	48.6618	9.732
	65 Styrene	104	8.182	8.182	(1.081)	829718	48.5435	9.709

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77890.D
Report Date: 21-Jul-2004 13:39

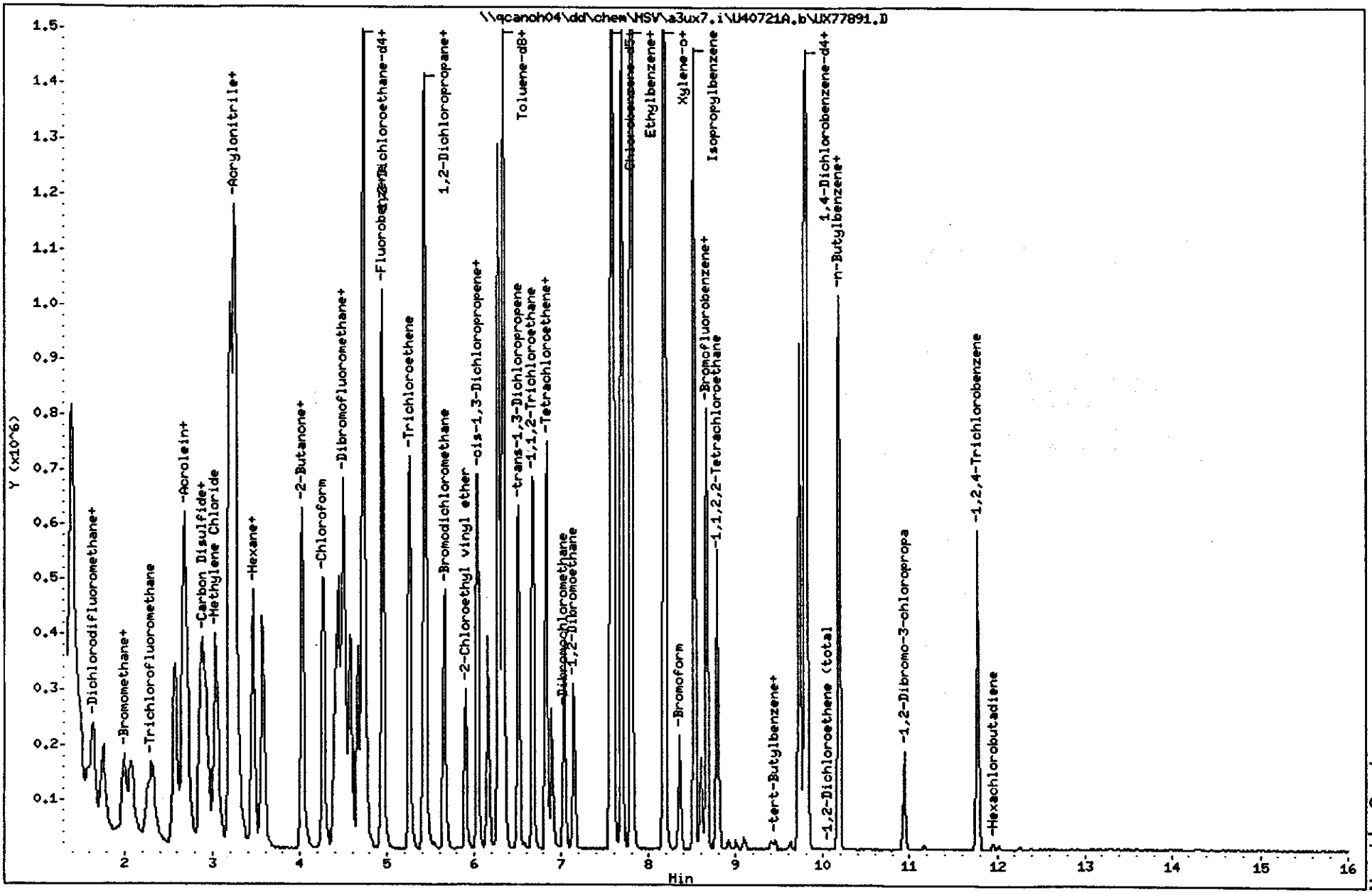
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	8.360	8.359	(1.105)	106348	32.9092	6.582
67 Isopropylbenzene	105	8.525	8.525	(1.127)	1038857	50.5475	10.110
68 1,1,2,2-Tetrachloroethane	83	8.786	8.785	(0.897)	319414	46.7972	9.359
69 1,4-Dichloro-2-butene	53	9.081	8.844	(0.927)	2834	1.13084	0.2262
70 1,2,3-Trichloropropane	110	8.833	8.833	(0.902)	10066	4.82059	0.9641
71 Bromobenzene	156	8.821	8.821	(0.901)	26691	4.99949	0.9999
72 n-Propylbenzene	120	8.916	8.915	(0.911)	22380	4.28104	0.8562
73 2-Chlorotoluene	126	8.999	8.998	(0.919)	24124	4.85877	0.9718
74 1,3,5-Trimethylbenzene	105	9.081	9.093	(0.927)	77761	4.50926	0.9018
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	23484	4.52307	0.9046
76 tert-Butylbenzene	119	9.401	9.401	(0.960)	62374	4.64618	0.9292
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	78656	4.37573	0.8751
78 sec-Butylbenzene	105	9.614	9.625	(0.982)	88681	4.60305	0.9206
79 4-Isopropyltoluene	119	9.756	9.767	(0.996)	69578	4.55327	0.9106
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	454338	49.4446	9.889
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	485563	50.5923	10.118
82 n-Butylbenzene	91	10.158	10.170	(1.037)	74043	4.96603	0.9932
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	456537	49.6698	9.934
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	47858	37.0192	7.404
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	200184	39.2760	7.855
86 Hexachlorobutadiene	225	11.957	11.956	(1.221)	12411	6.38994	1.278
87 Naphthalene	128	12.016	12.016	(1.227)	52740	3.24911	0.6498
88 1,2,3-Trichlorobenzene	180	12.264	12.264	(1.253)	19642	4.51494	0.9030
98 Cyclohexane	56	4.502	4.502	(0.909)	493465	51.7722	10.354
143 Methyl Acetate	43	2.940	2.928	(0.594)	248013	53.3320	10.666
144 Methylcyclohexane	83	5.437	5.437	(1.098)	343150	49.9553	9.991
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	27486	5.18323	1.037

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40721A.b\UX77891.D
Date : 21-JUL-2004 10:19
Client ID: GLHGE1AD
Sample Info: LCSD
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\U40721A.b\UX77891.D
Report Date: 21-Jul-2004 13:40

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77891.D
Lab Smp Id: GLHGE1AD
Inj Date : 21-JUL-2004 10:19
Operator : 1754 Inst ID: a3ux7.i
Smp Info : LCSD
Misc Info : U40721A,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\N8260UX7-3.m
Meth Date : 21-Jul-2004 09:49 tapsvc 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	4.951	(1.000)	1076858	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.566	(1.000)	755253	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.791	(1.000)	314362	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.395	(0.888)	216401	45.5668	9.113
$ 5 1,2-Dichloroethane-d4	65	4.668	4.667	(0.943)	343700	47.6203	9.524
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	926308	45.2968	9.059
$ 7 Bromofluorobenzene	95	8.668	8.667	(1.145)	330799	41.8960	8.379
8 Dichlorodifluoromethane	85	1.592	1.591	(0.321)	264014	67.2180	13.444
9 Chloromethane	50	1.639	1.638	(0.331)	401410	46.2591	9.252
10 Vinyl Chloride	62	1.757	1.745	(0.355)	358783	48.0548	9.611
11 Bromomethane	94	1.994	1.993	(0.403)	200670	52.8466	10.569
12 Chloroethane	64	2.077	2.076	(0.419)	236544	46.7733	9.355
13 Trichlorofluoromethane	101	2.302	2.313	(0.465)	372650	55.7950	11.159
15 Acrolein	56	2.574	2.573	(0.520)	625912	547.469	109.49
16 Acetone	43	2.680	2.680	(0.541)	114075	34.2506	6.850
17 1,1-Dichloroethene	96	2.668	2.668	(0.539)	269213	52.1878	10.438
18 Freon-113	151	2.692	2.691	(0.544)	192166	63.0925	12.618
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77891.D
Report Date: 21-Jul-2004 13:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.870	2.869	(0.580)	986585	54.2980	10.860
	21 Methylene Chloride	84	3.035	3.035	(0.613)	314031	47.7098	9.542
	22 Acetonitrile	41	2.905	2.893	(0.587)	440062	520.211	104.04
	23 Acrylonitrile	53	3.201	3.200	(0.646)	1310469	502.825	100.56
	24 Methyl tert-butyl ether	73	3.260	3.259	(0.658)	896141	36.4244	7.285
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	307020	50.8230	10.164
	26 Hexane	86	3.461	3.461	(0.699)	55355	57.9201	11.584
	27 Vinyl acetate	43	3.461	3.591	(0.699)	210365	15.1101	3.022
	28 1,1-Dichloroethane	63	3.568	3.567	(0.720)	583817	50.0158	10.003
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.017	4.017	(0.811)	138877	33.4796	6.696
M	31 1,2-Dichloroethene (total)	96				611671	98.0725	19.614
	32 cis-1,2-dichloroethene	96	4.029	4.028	(0.814)	304651	47.2496	9.450
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.278	4.265	(0.864)	527312	50.1683	10.034
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	451101	48.4270	9.685
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	312781	44.6999	8.940
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	482155	52.0203	10.404
	41 Benzene	78	4.727	4.727	(0.955)	1266351	48.2153	9.643
	42 Trichloroethene	130	5.260	5.259	(1.062)	270965	47.9791	9.596
	43 1,2-Dichloropropane	63	5.437	5.437	(1.098)	324987	47.4273	9.485
	44 1,4-Dioxane	88	5.544	5.543	(1.119)	3125	52.5734	10.515
	45 Dibromomethane	93	5.532	5.531	(1.117)	3188	0.92731	0.1855
	46 Bromodichloromethane	83	5.662	5.650	(1.143)	381963	46.0056	9.201
	47 2-Chloroethyl vinyl ether	63	5.899	5.898	(1.191)	138308	33.3470	6.669
	48 cis-1,3-Dichloropropene	75	6.041	6.040	(1.220)	461049	43.2859	8.657
	49 4-Methyl-2-pentanone	43	6.159	6.158	(1.244)	298662	43.1173	8.623
	50 Toluene	91	6.337	6.336	(0.837)	1273667	46.9443	9.389
	51 trans-1,3-Dichloropropene	75	6.514	6.513	(0.861)	409201	39.9783	7.996
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.680	6.679	(0.883)	250289	46.1809	9.236
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.834	6.833	(0.903)	175943	47.9336	9.587
	56 2-Hexanone	43	6.893	6.892	(0.911)	196397	32.4332	6.487
	57 Dibromochloromethane	129	7.035	7.034	(0.930)	215044	38.8093	7.762
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	244377	46.4842	9.297
	59 Chlorobenzene	112	7.603	7.602	(1.005)	750873	47.1738	9.435
	60 1,1,1,2-Tetrachloroethane	131	7.674	7.661	(1.014)	3345	0.60199	0.1204
	61 Ethylbenzene	106	7.697	7.697	(1.017)	391647	46.9143	9.383
	62 m + p-Xylene	106	7.804	7.803	(1.031)	957288	94.2880	18.858
M	63 Xylenes (total)	106				1420992	140.455	28.091
	64 Xylene-o	106	8.171	8.170	(1.080)	463704	46.1666	9.233
	65 Styrene	104	8.182	8.182	(1.081)	814472	45.1281	9.026
	66 Bromoform	173	8.360	8.359	(1.105)	110393	32.3519	6.470

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77891.D
Report Date: 21-Jul-2004 13:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.526	8.525	(1.127)	1032581	47.5815	9.516
68 1,1,2,2-Tetrachloroethane	83	8.786	8.785	(0.897)	323992	45.6421	9.128
69 1,4-Dichloro-2-butene	53	8.608	8.844	(0.879)	3754	1.44033	0.2881
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	9.401	9.401	(0.960)	10990	0.78714	0.1574
77 1,2,4-Trimethylbenzene	105	9.449	9.448	(0.965)	12590	0.67346	0.1347
78 sec-Butylbenzene	105	9.626	9.625	(0.983)	12596	0.62866	0.1257
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.733	9.732	(0.994)	443313	46.3891	9.278
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	476586	47.7469	9.549
82 n-Butylbenzene	91	10.170	10.170	(1.039)	10650	0.68681	0.1374
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	450218	47.0982	9.420
84 1,2-Dibromo-3-chloropropane	157	10.940	10.939	(1.117)	48928	36.3910	7.278
85 1,2,4-Trichlorobenzene	180	11.780	11.779	(1.203)	193756	36.5526	7.310
86 Hexachlorobutadiene	225	11.957	11.956	(1.221)	3016	1.49309	0.2986
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.502	4.502	(0.909)	497968	51.0861	10.217
143 Methyl Acetate	43	2.941	2.928	(0.594)	246324	51.7942	10.359
144 Methylcyclohexane	83	5.437	5.437	(1.098)	342776	48.7942	9.759
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GLERC1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4G200000-226 GLERC1AD-LCSD
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202226
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**102**	**(80 - 116)**			**SW846 8260B**
	104	**(80 - 116)**	**1.8**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**99**	**(76 - 117)**			**SW846 8260B**
	99	**(76 - 117)**	**0.11**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**108**	**(63 - 130)**			**SW846 8260B**
	107	**(63 - 130)**	**0.88**	**(0-20)**	**SW846 8260B**
Toluene	**99**	**(74 - 119)**			**SW846 8260B**
	99	**(74 - 119)**	**0.070**	**(0-20)**	**SW846 8260B**
Trichloroethene	**101**	**(75 - 122)**			**SW846 8260B**
	102	**(75 - 122)**	**1.2**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
	94	(61 - 128)
Toluene-d8	91	(76 - 110)
	90	(76 - 110)
4-Bromofluorobenzene	92	(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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GLERC1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4G200000-226 GLERC1AD-LCSD
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202226
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**10**	**10**	**ug/L**	**102**		**SW846 8260B**
	10	**10**	**ug/L**	**104**	**1.8**	**SW846 8260B**
Chlorobenzene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**9.9**	**ug/L**	**99**	**0.11**	**SW846 8260B**
1,1-Dichloroethene	**10**	**11**	**ug/L**	**108**		**SW846 8260B**
	10	**11**	**ug/L**	**107**	**0.88**	**SW846 8260B**
Toluene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**9.9**	**ug/L**	**99**	**0.070**	**SW846 8260B**
Trichloroethene	**10**	**10**	**ug/L**	**101**		**SW846 8260B**
	10	**10**	**ug/L**	**102**	**1.2**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
	94	(61 - 128)
Toluene-d8	91	(76 - 110)
	90	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)
	93	(74 - 116)

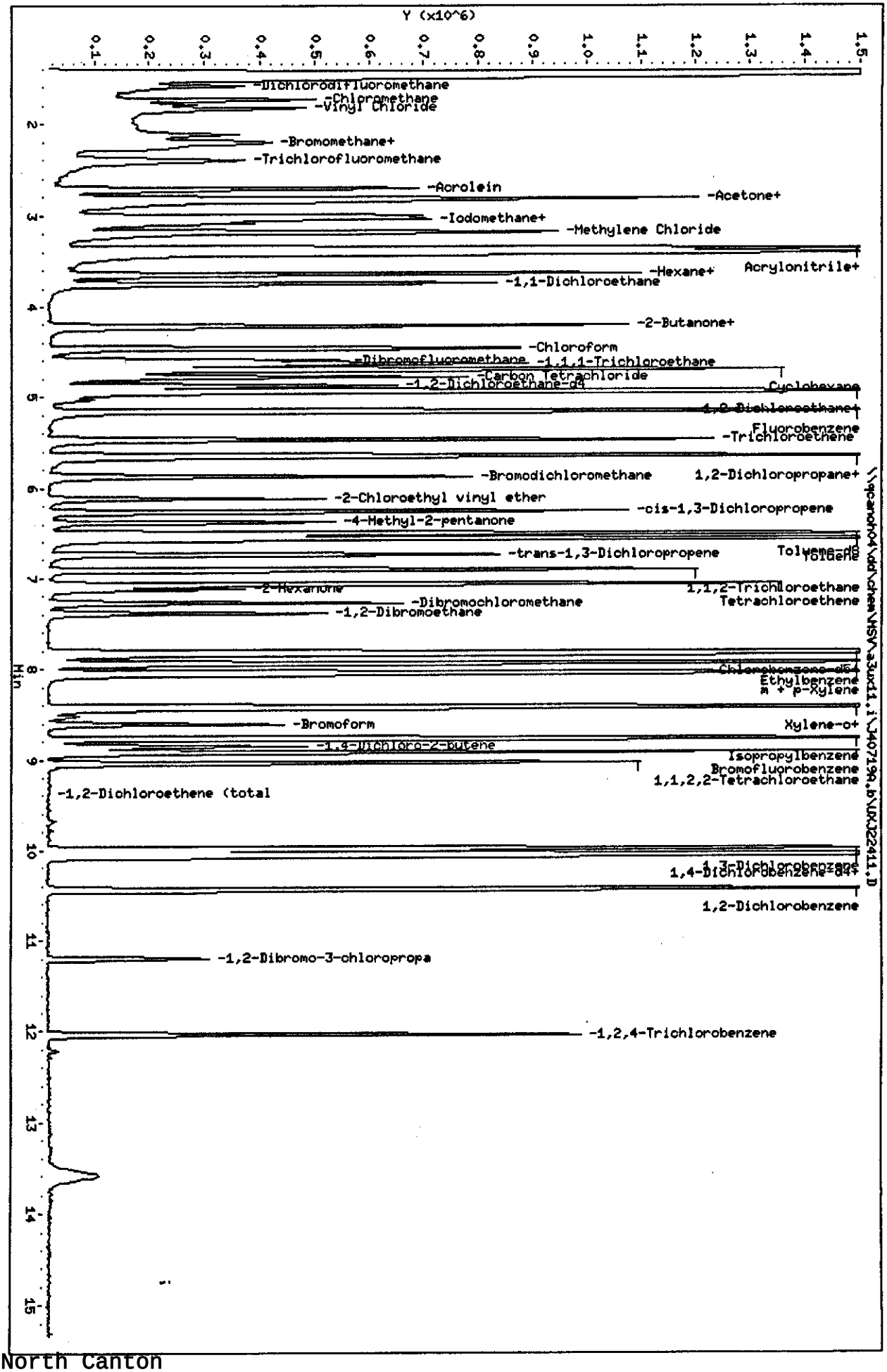
NOTE(S):

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

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J407190.b\UXJ22411.D
Date : 19-JUL-2004 10:06
Client ID: GCERCIAC
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22411.D
Report Date: 20-Jul-2004 10:59

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22411.D
Lab Smp Id: CHECK
Inj Date : 19-JUL-2004 10:06
Operator : 43582 Inst ID: a3ux11.i
Smp Info : CHECK
Misc Info : J40719A,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\8260LLUX11.m
Meth Date : 20-Jul-2004 10:58 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	1824964	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1458057	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	790849	50.0000	
$ 4 Dibromofluoromethane	113	4.591	4.591	(0.890)	375724	49.8361	9.967
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	459096	46.9634	9.393
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	1580595	45.4531	9.091
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	668660	45.8088	9.162
8 Dichlorodifluoromethane	85	1.574	1.574	(0.305)	349895	33.7475	6.750
9 Chloromethane	50	1.728	1.728	(0.335)	558650	40.2262	8.045
10 Vinyl Chloride	62	1.823	1.822	(0.353)	515878	42.0832	8.417
11 Bromomethane	94	2.118	2.106	(0.411)	196942	36.7474	7.349
12 Chloroethane	64	2.201	2.201	(0.427)	380403	50.2375	10.048
13 Trichlorofluoromethane	101	2.402	2.402	(0.466)	608217	54.8781	10.976
15 Acrolein	56	2.710	2.710	(0.525)	804733	504.899	100.98
16 Acetone	43	2.828	2.828	(0.548)	138575	32.8944	6.579
17 1,1-Dichloroethene	96	2.816	2.816	(0.546)	485363	54.1873	10.837
18 Freon-113	151	2.840	2.828	(0.551)	386958	61.8921	12.378

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22411.D
Report Date: 20-Jul-2004 10:59

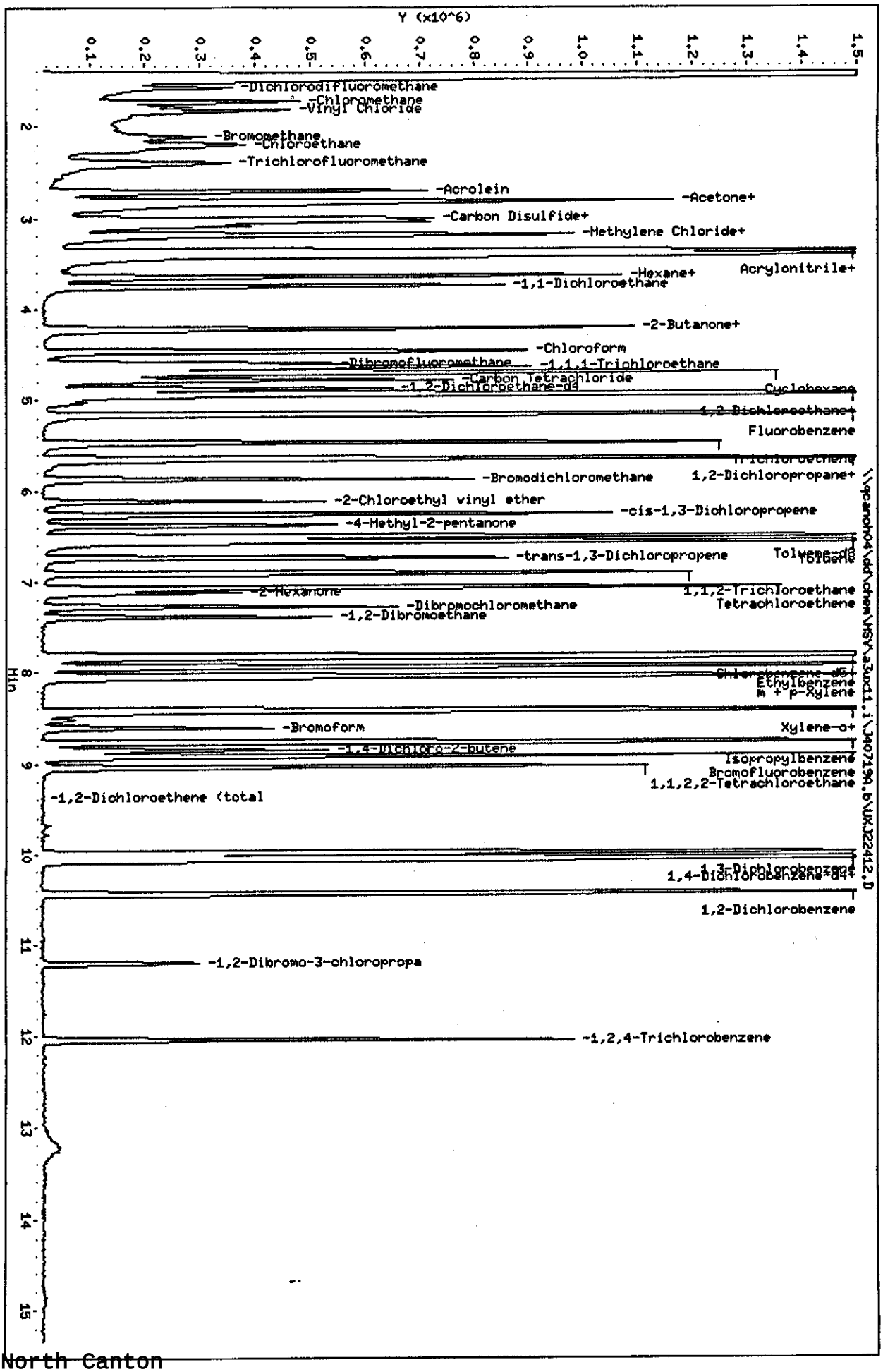
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.970	2.935	(0.576)	10396	0.89548	0.1791
	20 Carbon Disulfide	76	3.006	3.006	(0.583)	1892807	59.9277	11.986
	21 Methylene Chloride	84	3.183	3.183	(0.617)	595554	56.1608	11.232
	22 Acetonitrile	41	3.041	3.041	(0.590)	657518	522.008	104.40
	23 Acrylonitrile	53	3.361	3.361	(0.651)	1961594	535.124	107.02
	24 Methyl tert-butyl ether	73	3.408	3.408	(0.661)	1026444	44.4136	8.883
	25 trans-1,2-Dichloroethene	96	3.420	3.420	(0.663)	515235	53.9195	10.784
	26 Hexane	86	3.645	3.645	(0.706)	105553	53.6161	10.723
	27 Vinyl acetate	43	3.645	3.775	(0.706)	340227	19.3943	3.879
	28 1,1-Dichloroethane	63	3.751	3.751	(0.727)	885631	52.2420	10.448
	29 tert-Butyl Alcohol	59	3.100	3.254	(0.601)	25294	39.2009	7.840
	30 2-Butanone	43	4.213	4.201	(0.817)	194990	37.5174	7.503
M	31 1,2-Dichloroethene (total)	96				1012850	104.679	20.936
	32 cis-1,2-dichloroethene	96	4.213	4.213	(0.817)	497615	50.7597	10.152
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.473	4.461	(0.867)	843381	53.0582	10.612
	36 Tetrahydrofuran	42	4.201	4.449	(0.814)	14658	5.19150	1.038
	37 1,1,1-Trichloroethane	97	4.639	4.639	(0.899)	610764	53.7485	10.750
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.781	4.781	(0.927)	480712	54.8931	10.979
	40 1,2-Dichloroethane	62	4.935	4.934	(0.956)	657207	54.1850	10.837
	41 Benzene	78	4.946	4.934	(0.959)	2124998	50.9660	10.193
	42 Trichloroethene	130	5.467	5.467	(1.060)	490245	50.5532	10.111
	43 1,2-Dichloropropane	63	5.656	5.656	(1.096)	522214	51.0263	10.205
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.881	5.881	(1.140)	599942	53.0419	10.608
	47 2-Chloroethyl vinyl ether	63	6.118	6.118	(1.186)	237681	45.0097	9.002
	48 cis-1,3-Dichloropropene	75	6.260	6.260	(1.213)	675705	45.0999	9.020
	49 4-Methyl-2-pentanone	43	6.378	6.378	(1.236)	390245	43.9813	8.796
	50 Toluene	91	6.568	6.567	(0.841)	2185204	49.4230	9.885
	51 trans-1,3-Dichloropropene	75	6.745	6.745	(0.864)	563097	41.3675	8.273
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.911	6.911	(0.885)	427059	47.8927	9.578
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.065	7.064	(0.905)	367048	48.8938	9.779
	56 2-Hexanone	43	7.124	7.124	(0.912)	265180	37.2324	7.446
	57 Dibromochloromethane	129	7.277	7.277	(0.932)	402748	50.6737	10.135
	58 1,2-Dibromoethane	107	7.384	7.384	(0.945)	421992	47.9374	9.587
	59 Chlorobenzene	112	7.845	7.845	(1.005)	1398216	49.4037	9.881
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.940	7.940	(1.017)	705688	47.6968	9.539
	62 m + p-Xylene	106	8.047	8.046	(1.030)	1860925	99.2826	19.856
M	63 Xylenes (total)	106				2744554	147.319	29.464
	64 Xylene-o	106	8.425	8.425	(1.079)	883629	48.0367	9.607
	65 Styrene	104	8.437	8.425	(1.080)	1591933	49.1690	9.834

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22411.D
Report Date: 20-Jul-2004 10:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	8.615	8.614	(1.103)	256416	50.7901	10.158
67 Isopropylbenzene	105	8.768	8.768	(1.123)	2090433	49.3382	9.868
68 1,1,2,2-Tetrachloroethane	83	9.041	9.040	(0.900)	622588	52.2335	10.447
69 1,4-Dichloro-2-butene	53	8.863	9.088	(0.882)	10165	3.29525	0.6590
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.987	9.987	(0.994)	1009952	46.0367	9.207
81 1,4-Dichlorobenzene	146	10.070	10.070	(1.002)	1122076	48.9968	9.799
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.437	10.437	(1.039)	1017719	47.7749	9.555
84 1,2-Dibromo-3-chloropropane	157	11.206	11.206	(1.115)	104198	53.9376	10.788
85 1,2,4-Trichlorobenzene	180	12.046	12.046	(1.199)	392648	34.3609	6.872
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.698	4.698	(0.911)	780780	48.7930	9.758
143 Methyl Acetate	43	3.089	3.088	(0.599)	360978	51.5091	10.302
144 Methylcyclohexane	83	5.656	5.644	(1.096)	588916	45.0276	9.006
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J407194.b\UXJ22412.D
Date : 19-JUL-2004 10:29
Client ID: GLERCIAD
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



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Report Date: 20-Jul-2004 11:00

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22412.D
Lab Smp Id: CHECK
Inj Date : 19-JUL-2004 10:29
Operator : 43582 Inst ID: a3ux11.i
Smp Info : CHECK
Misc Info : J40719A,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\8260LLUX11.m
Meth Date : 20-Jul-2004 10:58 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.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: CANPMSV07

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	5.159	5.159	(1.000)	1817832	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1461059	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	782346	50.0000	
$ 4 Dibromofluoromethane	113	4.591	4.591	(0.890)	374025	49.8054	9.961
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	458985	47.1362	9.427
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	1573110	45.1450	9.029
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	678708	46.4016	9.280
8 Dichlorodifluoromethane	85	1.574	1.574	(0.305)	349458	33.8376	6.768
9 Chloromethane	50	1.728	1.728	(0.335)	543574	39.2942	7.859
10 Vinyl Chloride	62	1.822	1.822	(0.353)	526973	43.1569	8.631
11 Bromomethane	94	2.118	2.106	(0.411)	191784	35.9254	7.185
12 Chloroethane	64	2.201	2.201	(0.427)	381834	50.6244	10.125
13 Trichlorofluoromethane	101	2.402	2.402	(0.466)	604413	54.7488	10.950
15 Acrolein	56	2.710	2.710	(0.525)	825441	519.923	103.98
16 Acetone	43	2.828	2.828	(0.548)	157886	37.6254	7.525
17 1,1-Dichloroethene	96	2.816	2.816	(0.546)	479209	53.7102	10.742
18 Freon-113	151	2.840	2.828	(0.550)	368401	59.1552	11.831
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22412.D
Report Date: 20-Jul-2004 11:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	3.006	3.006	(0.583)	1841015	58.5166	11.703
	21 Methylene Chloride	84	3.183	3.183	(0.617)	609686	57.8665	11.573
	22 Acetonitrile	41	3.041	3.041	(0.589)	679496	541.573	108.31
	23 Acrylonitrile	53	3.372	3.361	(0.654)	2021308	553.577	110.72
	24 Methyl tert-butyl ether	73	3.408	3.408	(0.661)	1048623	45.5513	9.110
	25 trans-1,2-Dichloroethene	96	3.420	3.420	(0.663)	513126	53.9094	10.782
	26 Hexane	86	3.645	3.645	(0.706)	103316	52.6857	10.537
	27 Vinyl acetate	43	3.645	3.775	(0.706)	340775	19.5018	3.900
	28 1,1-Dichloroethane	63	3.751	3.751	(0.727)	889804	52.6940	10.539
	29 tert-Butyl Alcohol	59	3.420	3.254	(0.663)	22291	34.6823	6.936
	30 2-Butanone	43	4.213	4.201	(0.817)	202006	39.0198	7.804
M	31 1,2-Dichloroethene (total)	96				1019361	105.751	21.150
	32 cis-1,2-dichloroethene	96	4.213	4.213	(0.817)	506235	51.8416	10.368
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.473	4.461	(0.867)	851191	53.7596	10.752
	36 Tetrahydrofuran	42	4.213	4.449	(0.817)	14679	5.21933	1.044
	37 1,1,1-Trichloroethane	97	4.639	4.639	(0.899)	606807	53.6098	10.722
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.781	4.781	(0.927)	484653	55.5602	11.112
	40 1,2-Dichloroethane	62	4.934	4.934	(0.956)	663355	54.9064	10.981
	41 Benzene	78	4.946	4.934	(0.959)	2154526	51.8770	10.375
	42 Trichloroethene	130	5.467	5.467	(1.060)	494049	51.1453	10.229
	43 1,2-Dichloropropane	63	5.656	5.656	(1.096)	527515	51.7465	10.349
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.881	5.881	(1.140)	621745	55.1852	11.037
	47 2-Chloroethyl vinyl ether	63	6.118	6.118	(1.186)	241617	45.9345	9.187
	48 cis-1,3-Dichloropropene	75	6.260	6.260	(1.213)	673486	45.1282	9.026
	49 4-Methyl-2-pentanone	43	6.378	6.378	(1.236)	396438	44.8546	8.971
	50 Toluene	91	6.567	6.567	(0.841)	2191405	49.4615	9.892
	51 trans-1,3-Dichloropropene	75	6.745	6.745	(0.864)	579073	42.4537	8.491
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.910	6.911	(0.885)	440585	49.3081	9.862
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.064	7.064	(0.905)	374174	49.7406	9.948
	56 2-Hexanone	43	7.123	7.124	(0.912)	276679	38.7670	7.753
	57 Dibromochloromethane	129	7.277	7.277	(0.932)	400322	50.2650	10.053
	58 1,2-Dibromoethane	107	7.384	7.384	(0.945)	445021	50.4496	10.090
	59 Chlorobenzene	112	7.845	7.845	(1.005)	1402676	49.4595	9.892
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.940	7.940	(1.017)	716993	48.3613	9.672
	62 m + p-Xylene	106	8.046	8.046	(1.030)	1867206	99.4131	19.883
M	63 Xylenes (total)	106				2771056	148.448	29.690
	64 Xylene-o	106	8.425	8.425	(1.079)	903850	49.0350	9.807
	65 Styrene	104	8.437	8.425	(1.080)	1603008	49.4093	9.882
	66 Bromoform	173	8.614	8.614	(1.103)	252472	49.9062	9.981

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22412.D
Report Date: 20-Jul-2004 11:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.768	8.768	(1.123)	2107904	49.6483	9.930
68 1,1,2,2-Tetrachloroethane	83	9.040	9.040	(0.900)	648397	54.9901	10.998
69 1,4-Dichloro-2-butene	53	8.851	9.088	(0.881)	12304	4.03202	0.8064
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.987	9.987	(0.994)	1023807	47.1754	9.435
81 1,4-Dichlorobenzene	146	10.070	10.070	(1.002)	1123489	49.5917	9.918
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.437	10.437	(1.039)	992462	47.0956	9.419
84 1,2-Dibromo-3-chloropropane	157	11.206	11.206	(1.115)	99475	52.0524	10.410
85 1,2,4-Trichlorobenzene	180	12.046	12.046	(1.199)	379801	33.5979	6.720
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.698	4.698	(0.911)	756623	47.4688	9.494
143 Methyl Acetate	43	3.100	3.088	(0.601)	371895	53.2751	10.655
144 Methylcyclohexane	83	5.644	5.644	(1.094)	586996	45.0569	9.011
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GK7RM1AA **Matrix.....:** WATER
MB Lot-Sample #: A4G160000-123

Prep Date.....: 07/15/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 07/15/04 **Prep Batch #...:** 4198123
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	**1.8 J**	**10**	**ug/L**	**SW846 8260B**
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	**0.54 J**	**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 #...: A4G100202 **Work Order #...:** GK7RM1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.41 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	88	(73 - 122)
1,2-Dichloroethane-d4	84	(61 - 128)
Toluene-d8	89	(76 - 110)
4-Bromofluorobenzene	85	(74 - 116)

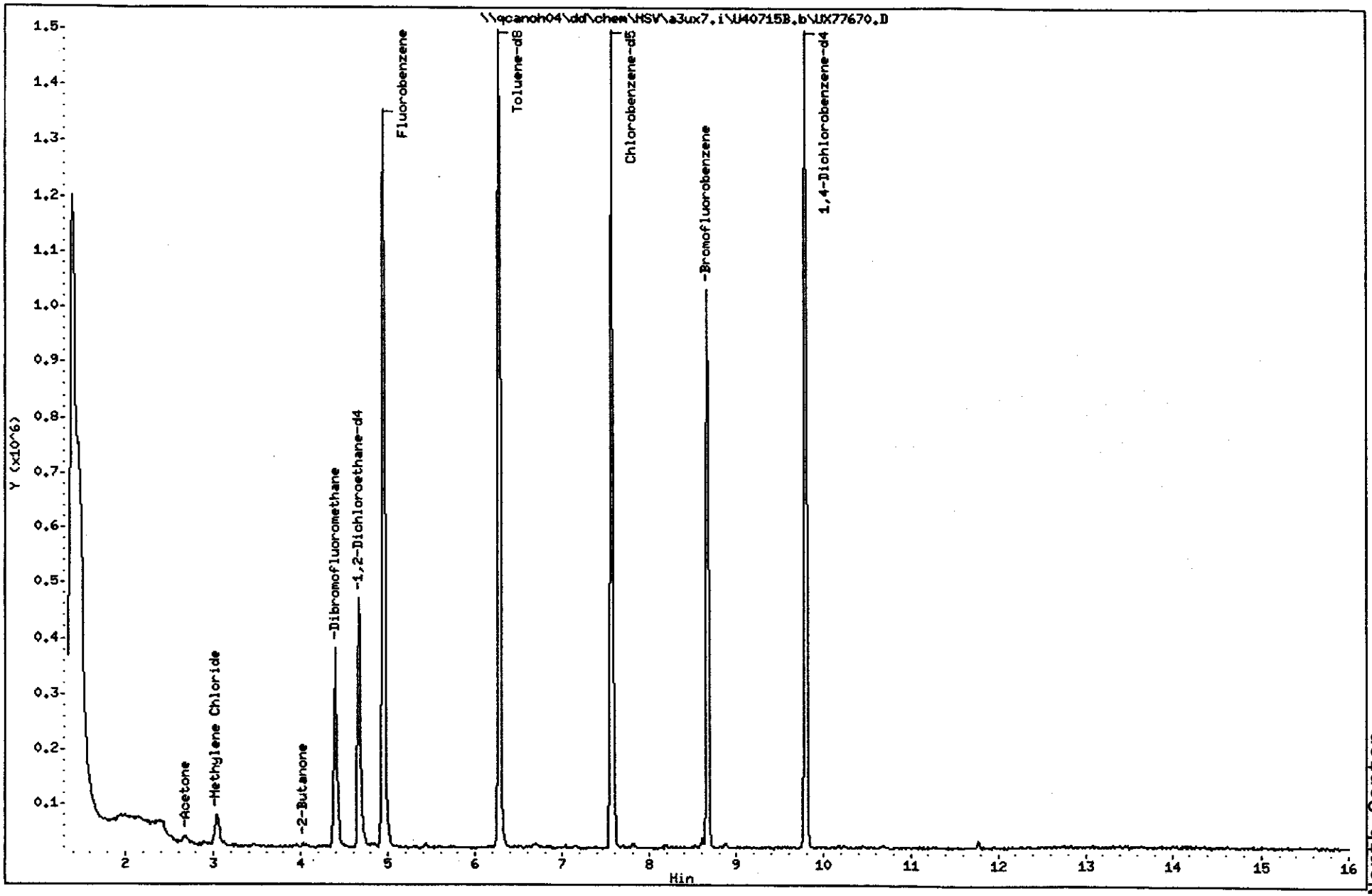
NOTE(S):

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\U40715B.b\UX77670.D
Date : 15-JUL-2004 17:25
Client ID: GK7RMIAA
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\U40715B.b\UX77670.D
Report Date: 16-Jul-2004 10:23

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77670.D
Lab Smp Id: VOLBLANK
Inj Date : 15-JUL-2004 17:25
Operator : 1754 Inst ID: a3ux7.i
Smp Info : VOLBLANK,5ML/5ML
Misc Info : U40715B,N8260UX7-3,,1754,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 09:55 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 11 QC Sample: BLANK
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	4.951	4.951	(1.000)	1464504	50.0000	
* 2 Chlorobenzene-d5	117	7.566	7.566	(1.000)	1003651	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.790	(1.000)	431189	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.395	(0.888)	283779	43.9377	8.788
$ 5 1,2-Dichloroethane-d4	65	4.667	4.667	(0.943)	410133	41.7836	8.357
$ 6 Toluene-d8	98	6.277	6.276	(0.830)	1213041	44.6372	8.927
$ 7 Bromofluorobenzene	95	8.667	8.666	(1.145)	444883	42.3999	8.480
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	2.680	2.679	(0.541)	37836	9.13871	1.828
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77670.D
Report Date: 16-Jul-2004 10:23

	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	3.046	3.034	(0.615)	54399	2.05653	0.4113
	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	4.028	4.016	(0.814)	15153	2.68607	0.5372
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\U40715B.b\UX77670.D
Report Date: 16-Jul-2004 10:23

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77670.D

Date : 15-JUL-2004 17:25

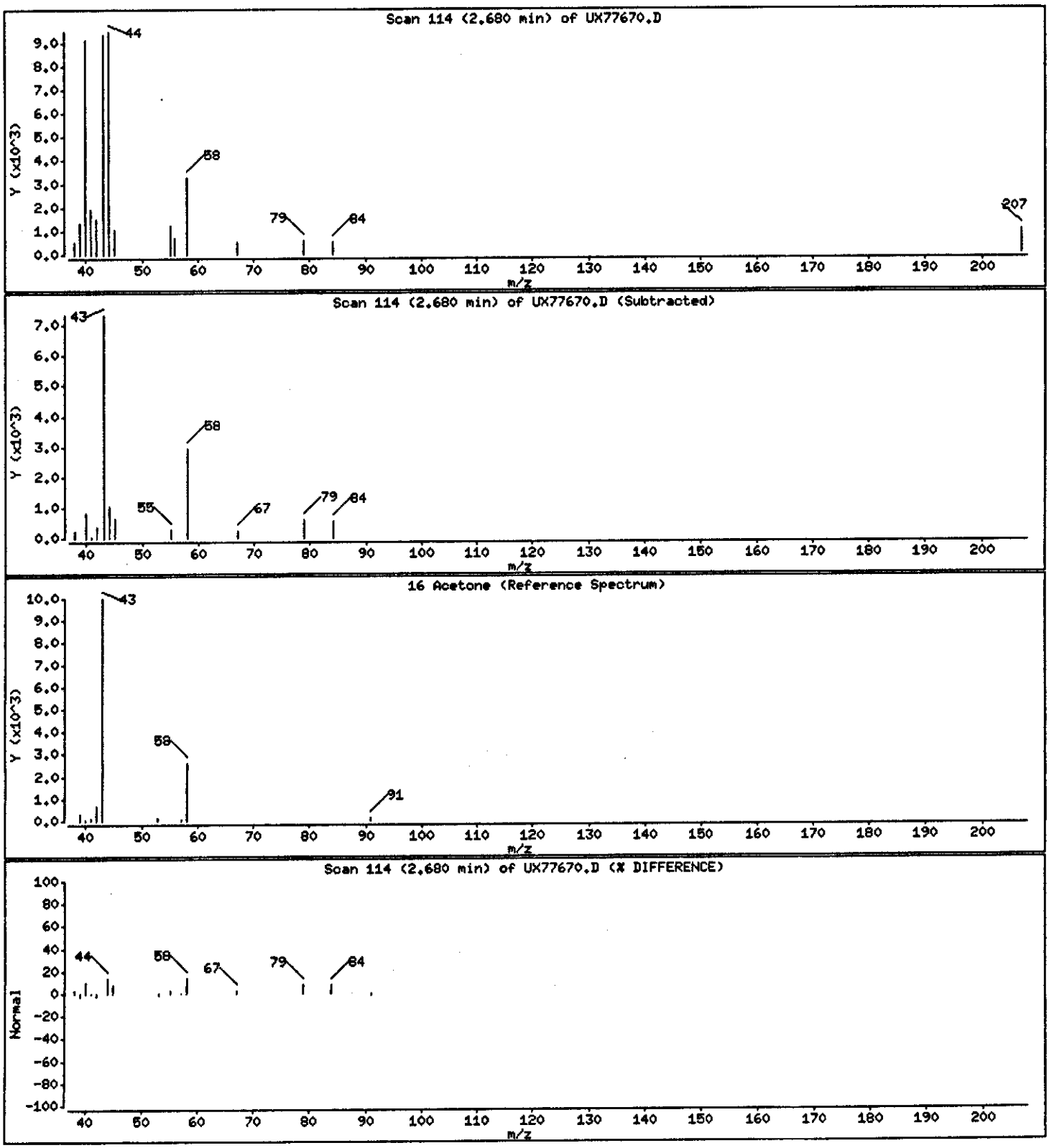
Client ID: | Instrument: a3ux7.i

Sample Info: VOLBLANK,5ML/5ML

Purge Volume: 5.0 | Operator: 1754

Column phase: DB624 20m | Column diameter: 0.18

16 Acetone | Concentration: 1.828 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77670.D

Date : 15-JUL-2004 17:25

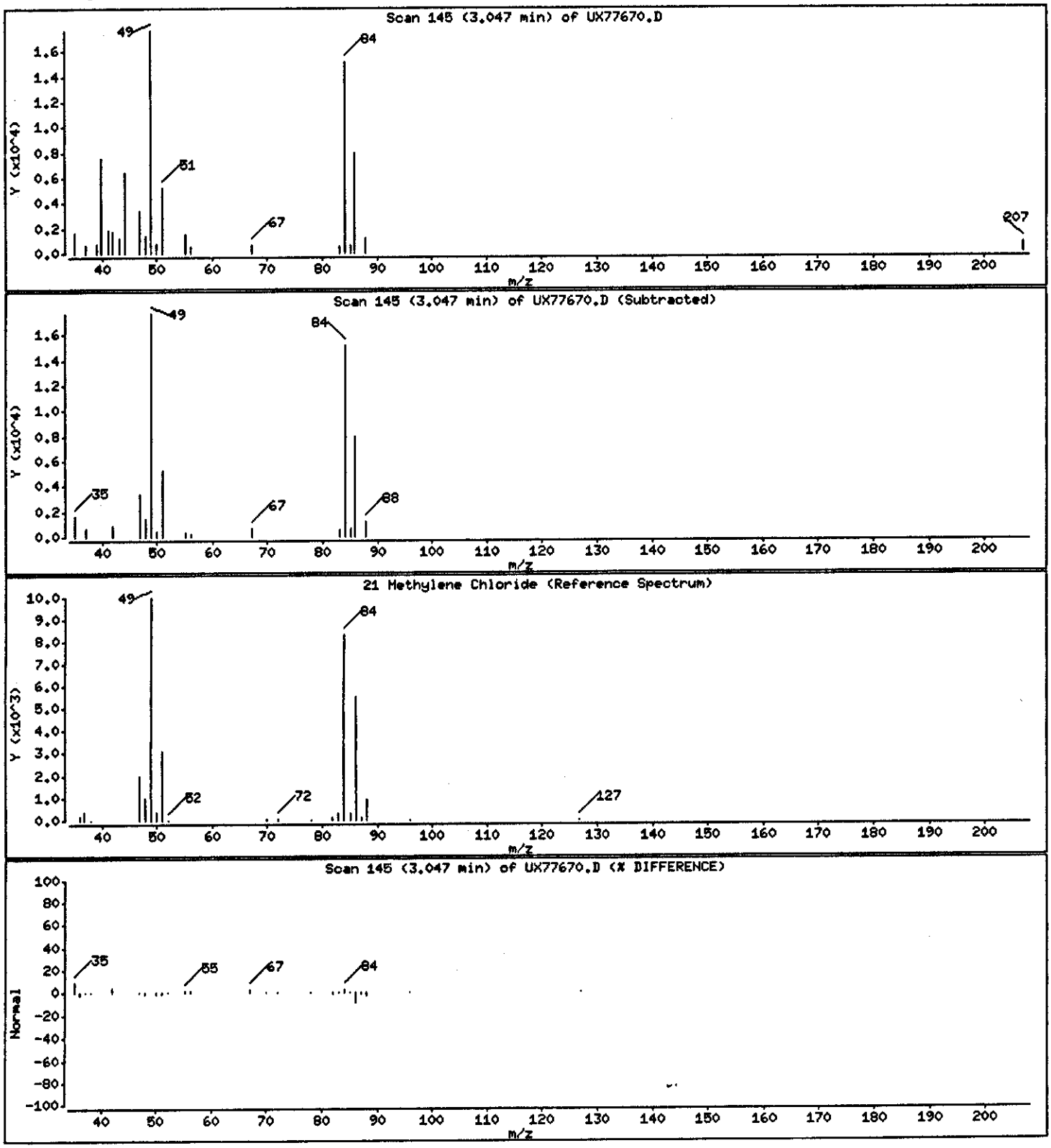
Client ID: | Instrument: a3ux7.i

Sample Info: VOLBLANK,5ML/5ML

Purge Volume: 5.0 | Operator: 1754

Column phase: DB624 20m | Column diameter: 0.18

21 Methylene Chloride | Concentration: 0.4113 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715B.b\UX77670.D

Date : 15-JUL-2004 17:25

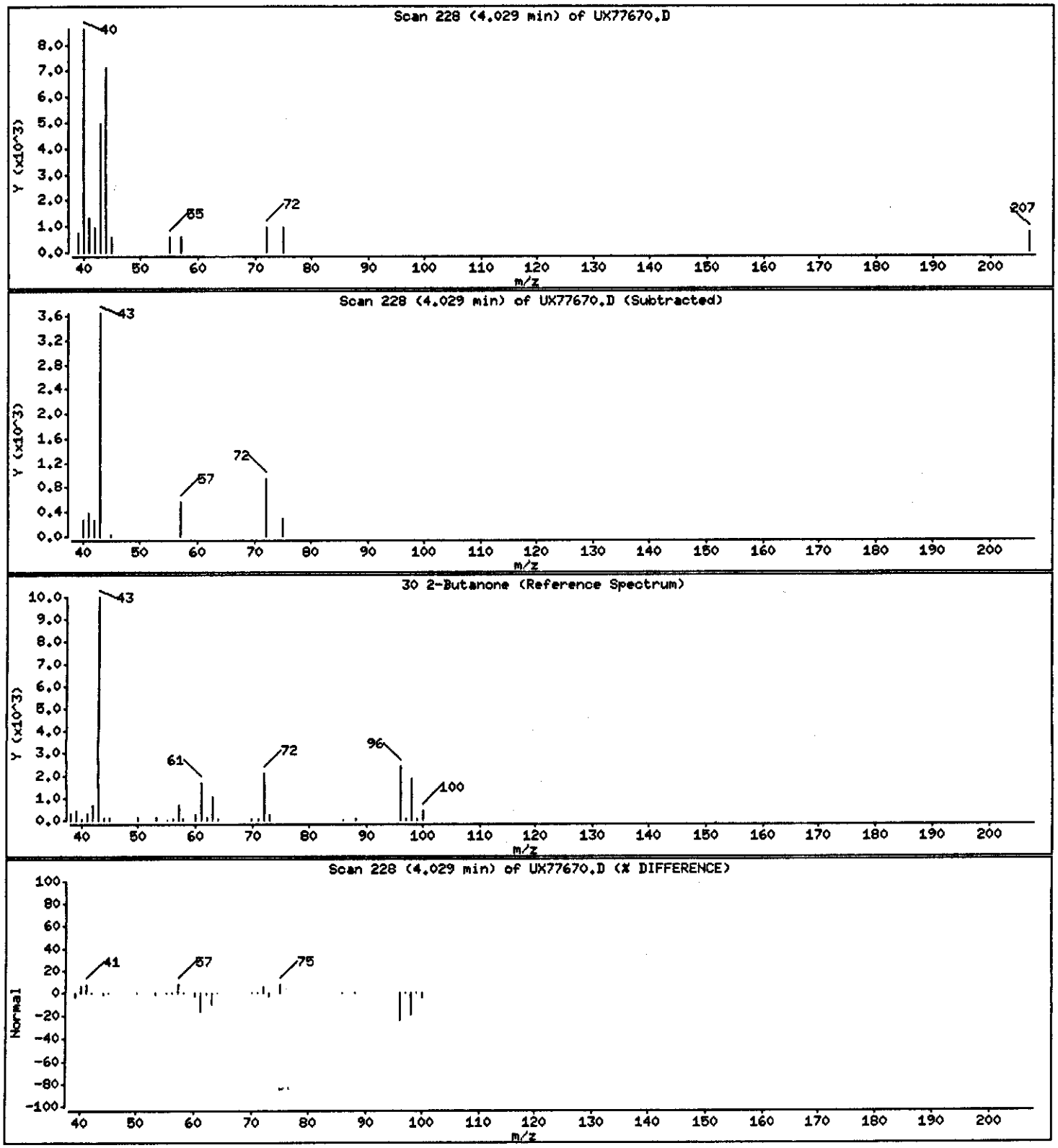
Client ID: | Instrument: a3ux7.i

Sample Info: VOLBLANK,5ML/5ML

Purge Volume: 5.0 | Operator: 1754

Column phase: DB624 20m | Column diameter: 0.18

30 2-Butanone | Concentration: 0.5372 ug/L



METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GLD9E1AA **Matrix.....:** WATER
MB Lot-Sample #: A4G200000-119

Prep Date.....: 07/19/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 07/19/04 **Prep Batch #...:** 4202119
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
3-Chloropropene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	50	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutanol	ND	50	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GLD9E1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Propionitrile	ND	4.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(73 - 122)
1,2-Dichloroethane-d4	86	(61 - 128)
Toluene-d8	90	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

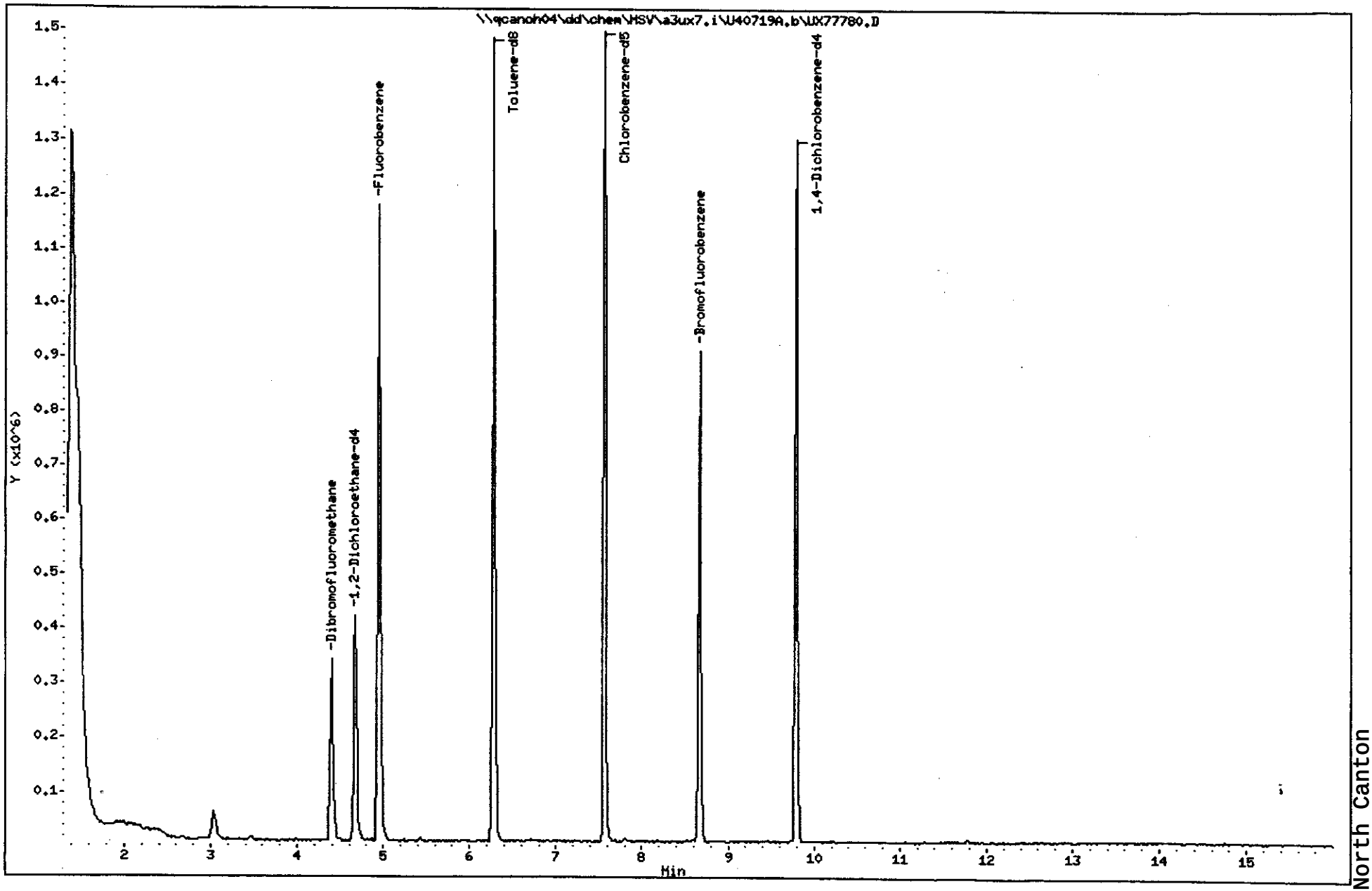
NOTE(S):

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40719A.b\UX77780.D
Date : 19-JUL-2004 10:07
Client ID: GLD9E1AA
Sample Info: VOLBLANK,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i

Operator: 1754
Column diameter: 0.18



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STL North Canton

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77780.D
Report Date: 20-Jul-2004 09:08

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77780.D
Lab Smp Id: VOLBLANK
Inj Date : 19-JUL-2004 10:07
Operator : 1754 Inst ID: a3ux7.i
Smp Info : VOLBLANK,5ML/5ML
Misc Info : U40719A,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 09:00 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 6
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	4.943	4.940	(1.000)	1301114	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.567	(1.000)	896705	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.792	(1.000)	382307	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.396	(0.890)	256151	44.6404	8.928
$ 5 1,2-Dichloroethane-d4	65	4.671	4.668	(0.945)	376990	43.2301	8.646
$ 6 Toluene-d8	98	6.280	6.278	(0.830)	1087775	44.8016	8.960
$ 7 Bromofluorobenzene	95	8.671	8.668	(1.145)	392362	41.8542	8.371
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\U40719A.b\UX77780.D
Report Date: 20-Jul-2004 09:08

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719A.b\UX77780.D
Report Date: 20-Jul-2004 09:08

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GLD9H1AA **Matrix.....:** WATER
MB Lot-Sample #: A4G200000-123

Prep Date.....: 07/19/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 07/19/04 **Prep Batch #...:** 4202123
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
3-Chloropropene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	50	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutanol	ND	50	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GLD9H1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Propionitrile	ND	4.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

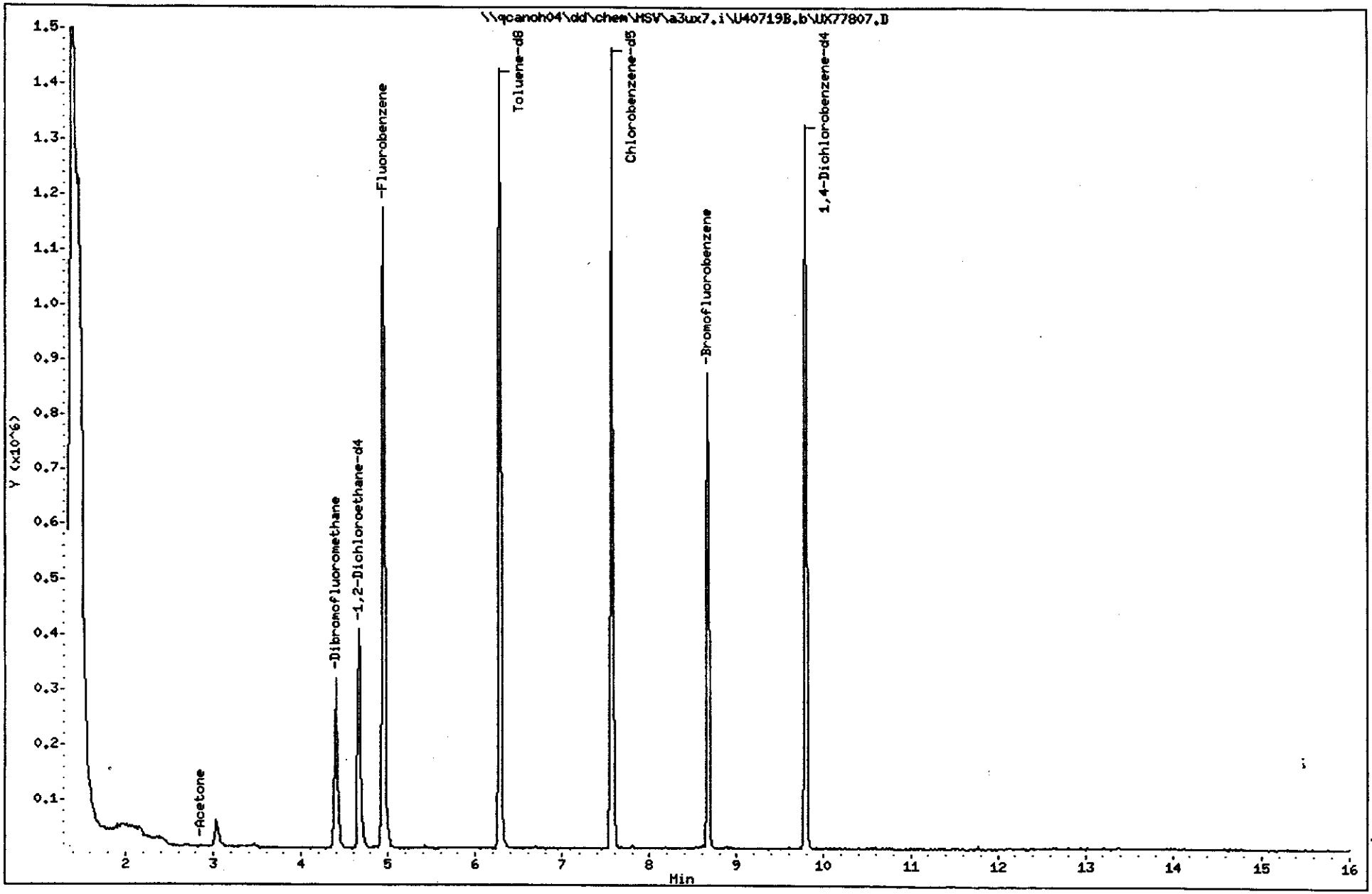
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(73 - 122)
1,2-Dichloroethane-d4	89	(61 - 128)
Toluene-d8	89	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

NOTE(S):

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77807.D
Date : 19-JUL-2004 21:06
Client ID: GLD9H1AA
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\U40719B.b\UX77807.D
Report Date: 20-Jul-2004 10:00

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77807.D
Lab Smp Id: VOLBLANK
Inj Date : 19-JUL-2004 21:06
Operator : 1754 Inst ID: a3ux7.i
Smp Info : VOLBLANK,5ML/5ML
Misc Info : U40719B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\N8260UX7-3.m
Meth Date : 20-Jul-2004 08:40 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 34
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	4.951	4.952	(1.000)	1236100	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	861696	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.792	(1.000)	359623	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.396	(0.888)	247050	45.3188	9.064
$ 5 1,2-Dichloroethane-d4	65	4.667	4.668	(0.943)	368259	44.4499	8.890
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	1041417	44.6349	8.927
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	368323	40.8861	8.177
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	2.680	2.680	(0.541)	6250	2.84047	0.5681
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77807.D
Report Date: 20-Jul-2004 10:00

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77807.D
Report Date: 20-Jul-2004 10:00

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40719B.b\UX77807.D

Date : 19-JUL-2004 21:06

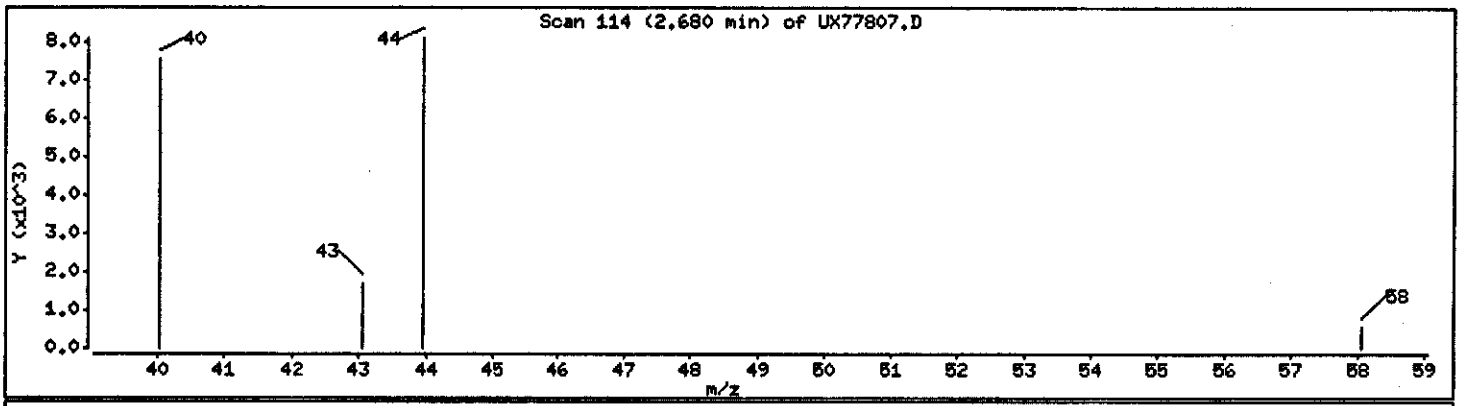
Client ID: | Instrument: a3ux7.i

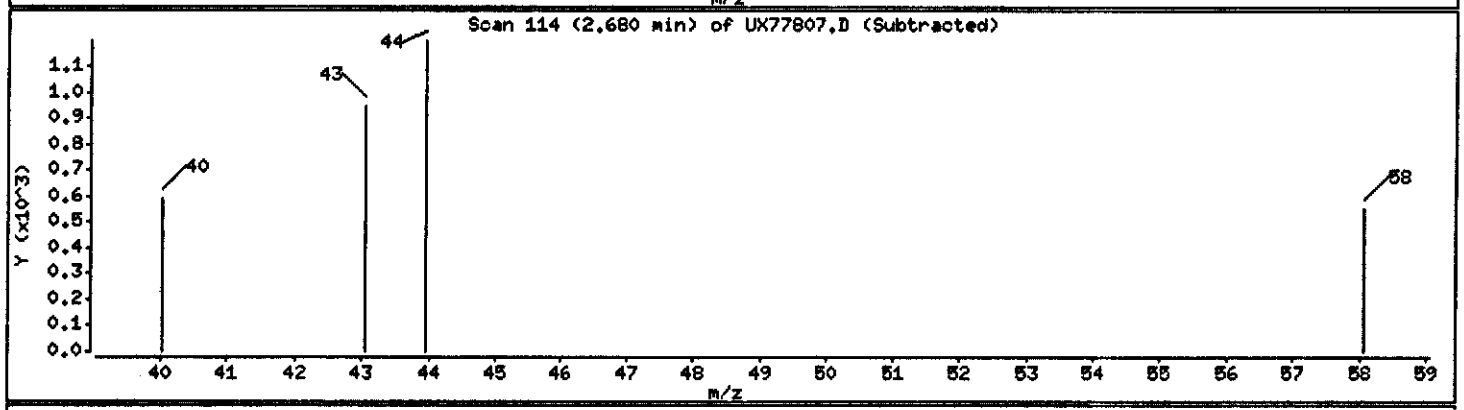
Sample Info: VOLBLANK,5ML/5ML

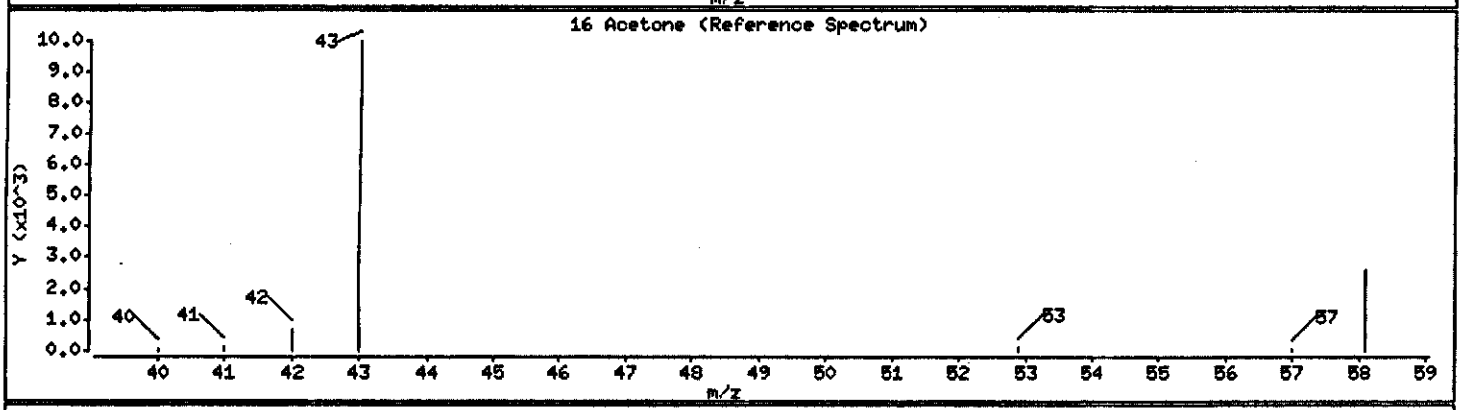
Purge Volume: 5.0 | Operator: 1754

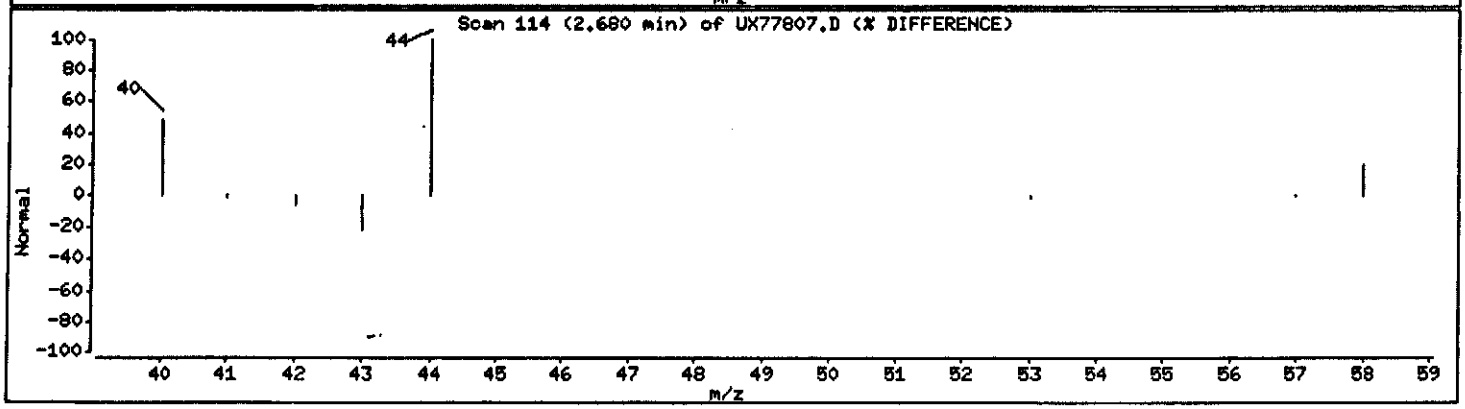
Column phase: DB624 20m | Column diameter: 0.18

16 Acetone | Concentration: 0.5681 ug/L









METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GLHGE1AA **Matrix.....:** WATER
MB Lot-Sample #: A4G210000-254

Prep Date.....: 07/21/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 07/21/04 **Prep Batch #...:** 4203254
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
3-Chloropropene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	50	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutanol	ND	50	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GLHGE1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Propionitrile	ND	4.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

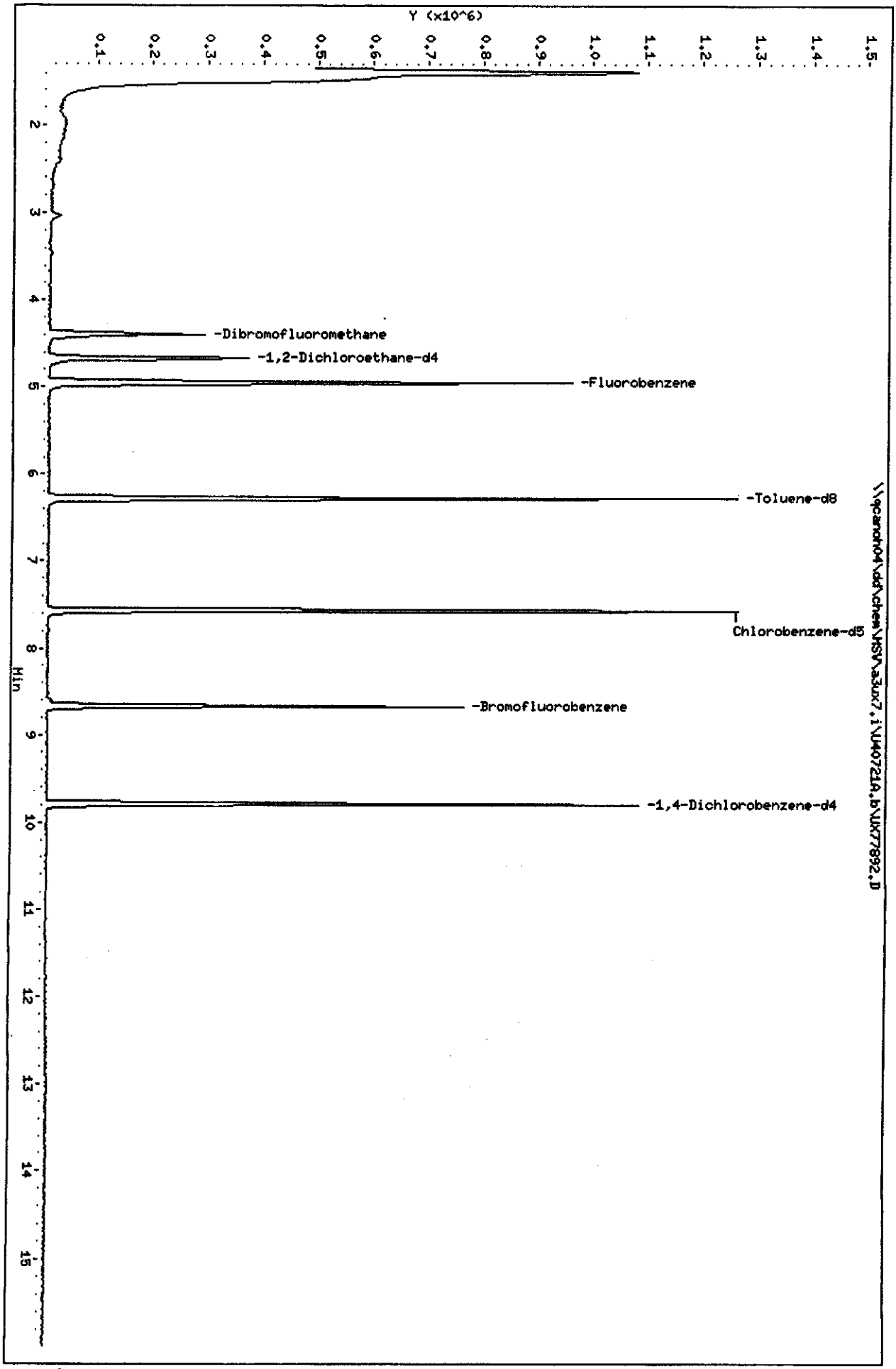
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
Toluene-d8	91	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)

NOTE(S):

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

Data File: \\qcandh04\dd\chem\VHS\a3ux7.i\U407210.b\UX77892.D
Date : 21-JUL-2004 10:43
Client ID: GCMS EIA
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\U40721A.b\UX77892.D
Report Date: 21-Jul-2004 13:41

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77892.D
Lab Smp Id: GLHGE1AA
Inj Date : 21-JUL-2004 10:43
Operator : 1754 Inst ID: a3ux7.i
Smp Info : VOLBLANK,5ML/5ML
Misc Info : U40721A,N8260UX7-3,,1754,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\N8260UX7-3.m
Meth Date : 21-Jul-2004 09:49 tapsvc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: 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	4.954	4.951	(1.000)	1042903	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.566	(1.000)	724022	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.793	9.791	(1.000)	300604	50.0000	
$ 4 Dibromofluoromethane	113	4.398	4.395	(0.888)	215432	46.8397	9.368
$ 5 1,2-Dichloroethane-d4	65	4.670	4.667	(0.943)	324286	46.3933	9.279
$ 6 Toluene-d8	98	6.279	6.277	(0.830)	892910	45.5470	9.109
$ 7 Bromofluorobenzene	95	8.669	8.667	(1.145)	315497	41.6816	8.336
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\U40721A.b\UX77892.D
Report Date: 21-Jul-2004 13:41

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40721A.b\UX77892.D
Report Date: 21-Jul-2004 13:41

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GLERC1AA **Matrix.....:** WATER
MB Lot-Sample #: A4G200000-226

Prep Date.....: 07/19/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 07/19/04 **Prep Batch #...:** 4202226
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
3-Chloropropene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	50	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutanol	ND	50	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GLERC1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.49 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	105	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
Toluene-d8	86	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

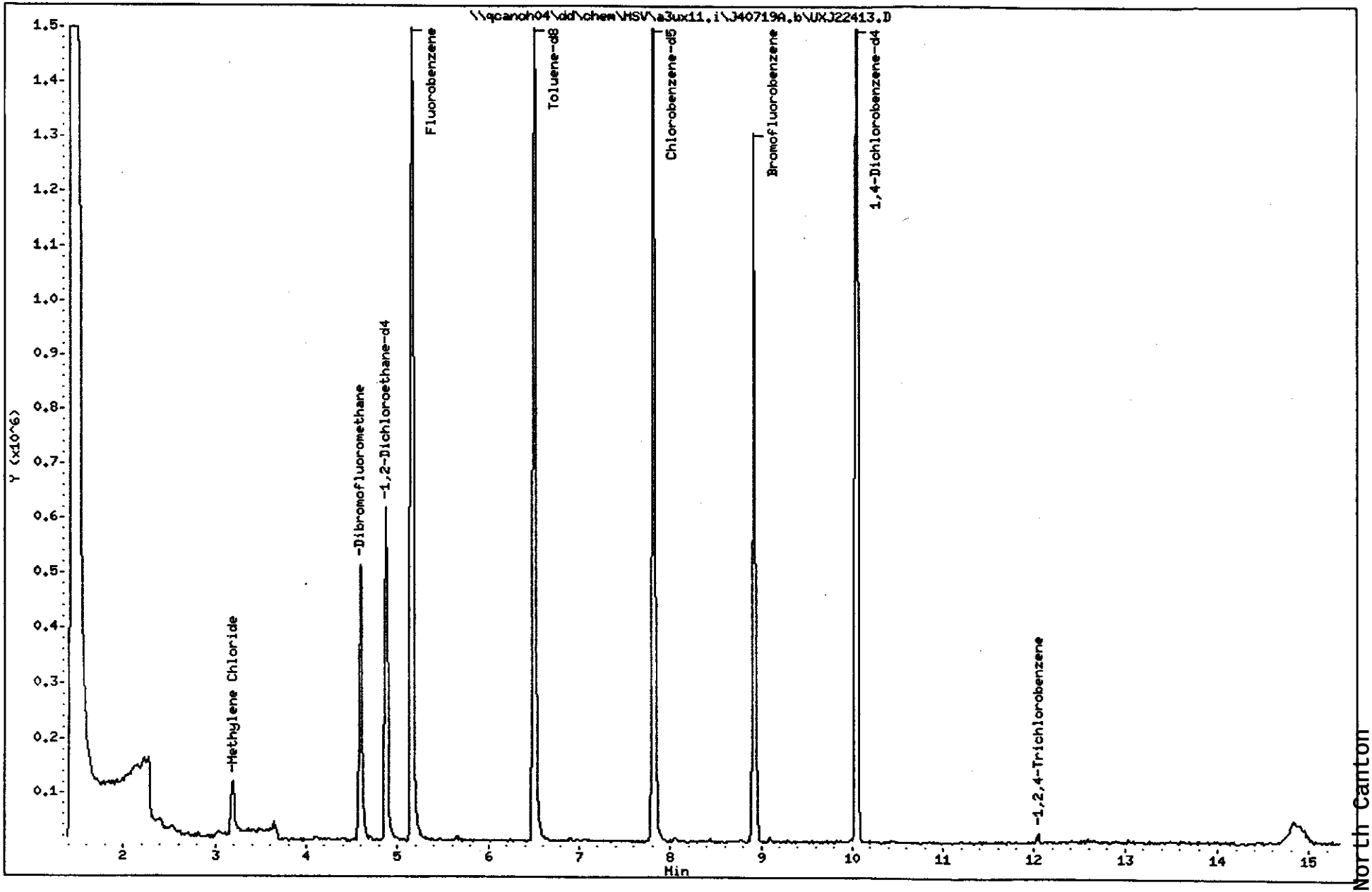
Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40719A.b\UXJ22413.D
Date : 19-JUL-2004 10:51
Client ID: GLERCIAA
Sample Info: VBLK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i

Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22413.D
Report Date: 20-Jul-2004 11:00

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22413.D
Lab Smp Id: VBLK
Inj Date : 19-JUL-2004 10:51
Operator : 43582 Inst ID: a3ux11.i
Smp Info : VBLK
Misc Info : J40719A,8260LLUX11,,43582,3,,BLANK,,0
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\8260LLUX11.m
Meth Date : 20-Jul-2004 10:58 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	1729497	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1384174	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	687404	50.0000	
$ 4 Dibromofluoromethane	113	4.591	4.591	(0.890)	375232	52.5181	10.504
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	455205	49.1357	9.827
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	1426602	43.2146	8.643
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	549039	39.6214	7.924
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\a3ux11.i\J40719A.b\UXJ22413.D
Report Date: 20-Jul-2004 11:00

	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	3.183	3.183	(0.617)	61512	2.47425	0.4948
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22413.D
Report Date: 20-Jul-2004 11:00

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	12.046	12.046	(1.199)	9543	0.96079	0.1922
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\a3ux11.i\J40719A.b\UXJ22413.D

Date : 19-JUL-2004 10:51

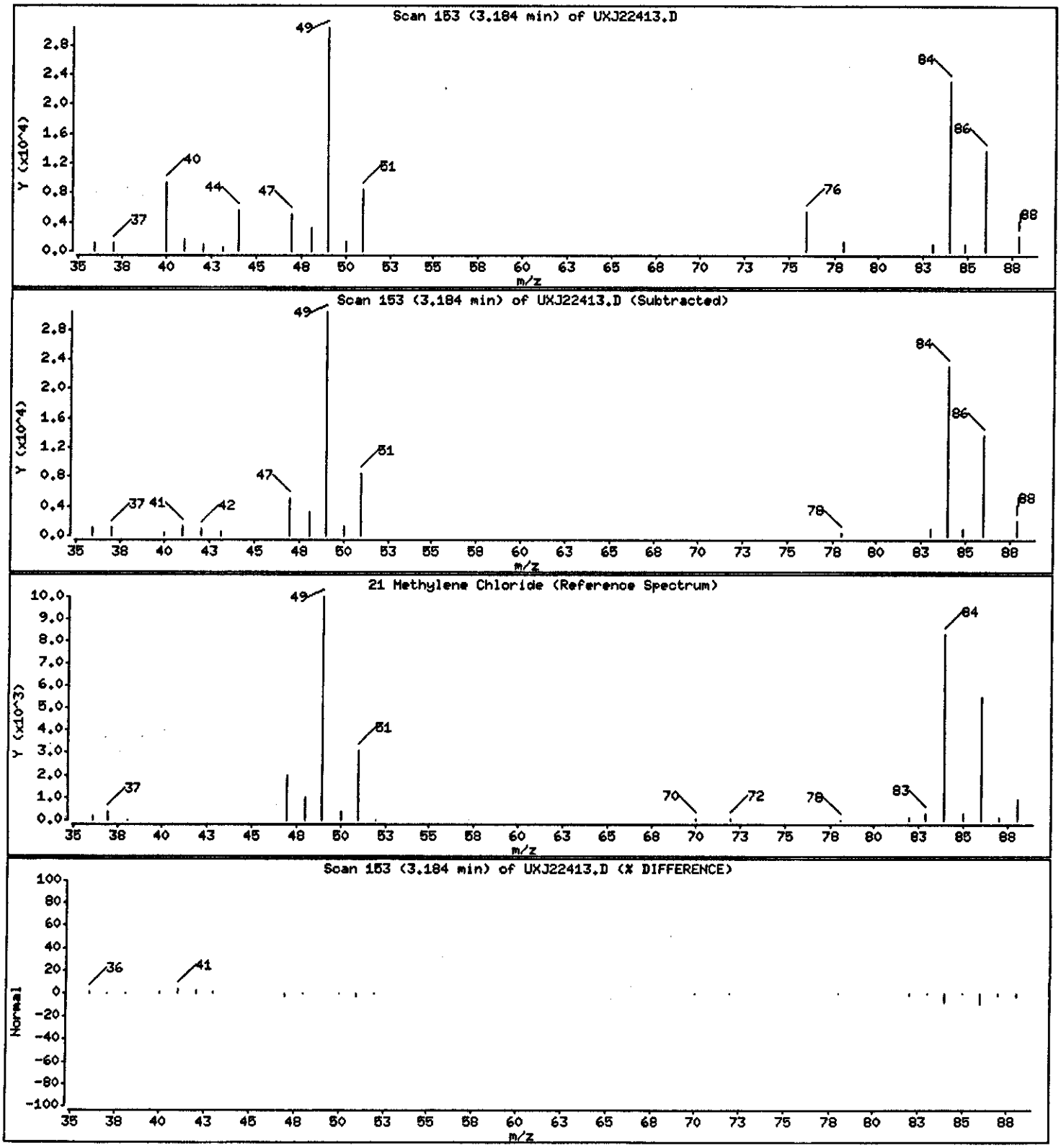
Client ID: | Instrument: a3ux11.i

Sample Info: VBLK

Purge Volume: 5.0 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

21 Methylene Chloride | Concentration: 0.4948 ug/L



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Date : 19-JUL-2004 10:51

Client ID:

Instrument: a3ux11.i

Sample Info: VBLK

Purge Volume: 5.0

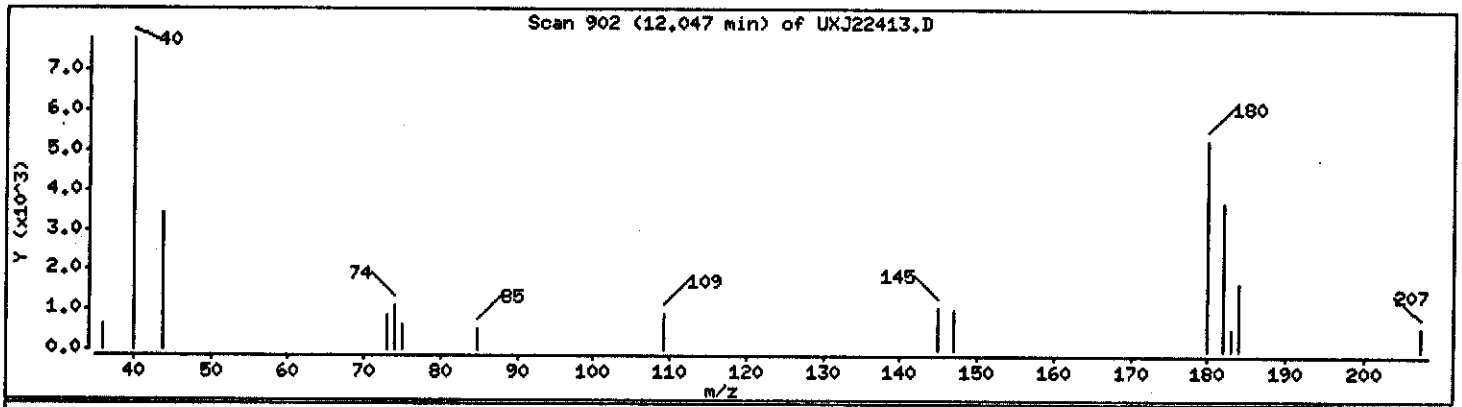
Operator: 43582

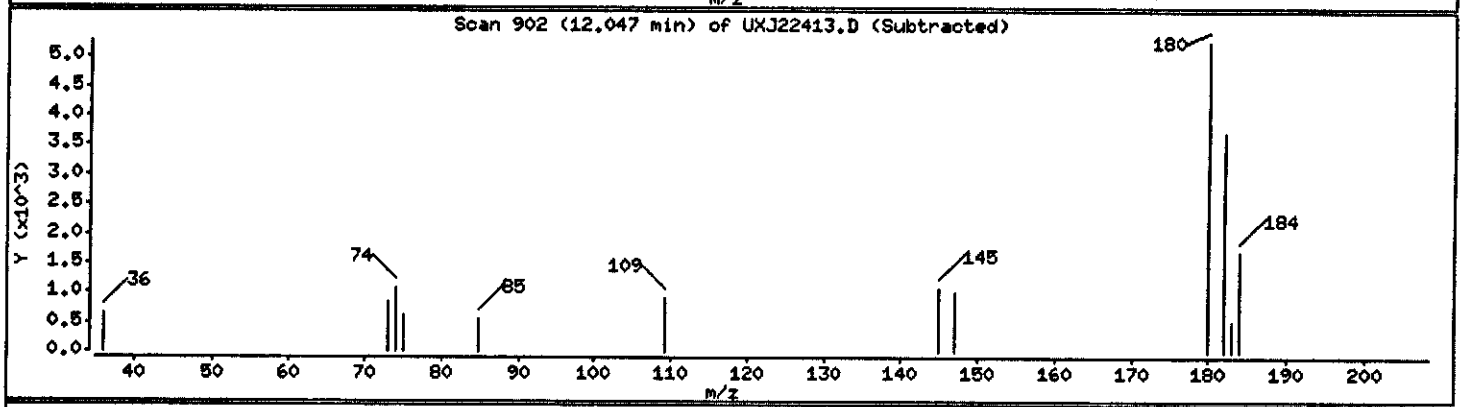
Column phase: DB624

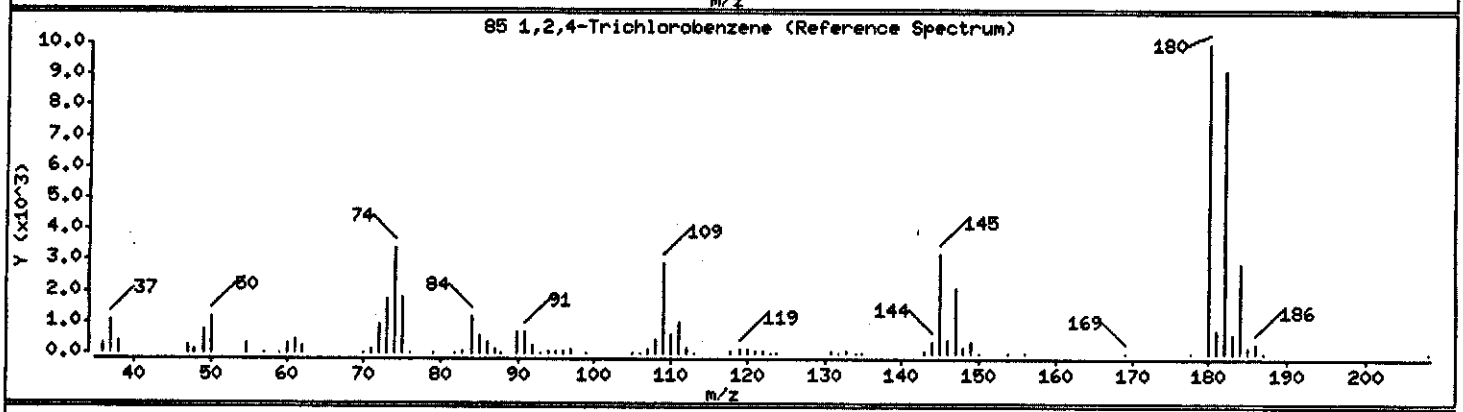
Column diameter: 0.18

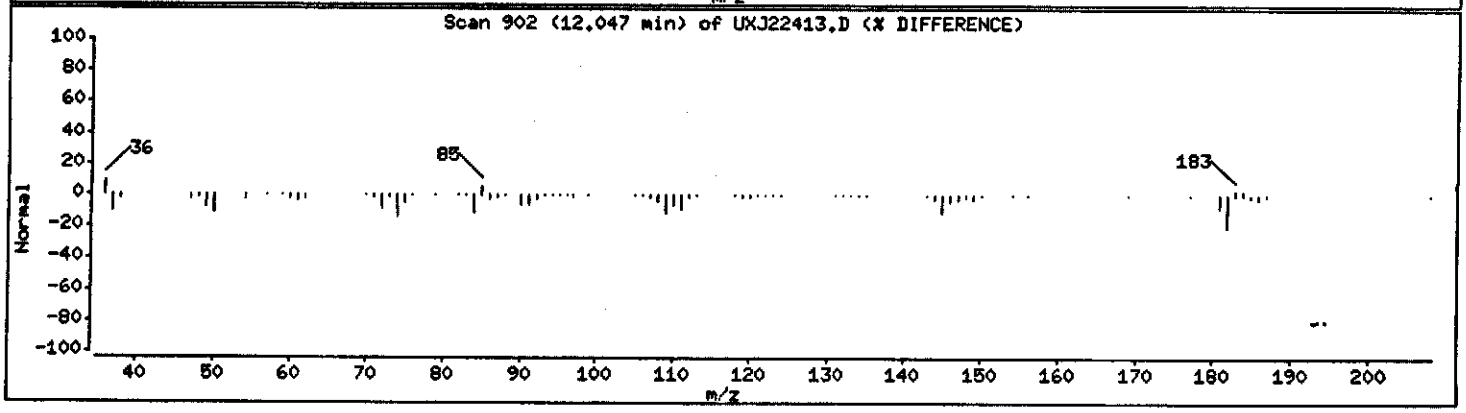
85 1,2,4-Trichlorobenzene

Concentration: 0.1922 ug/L









MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GKVPQ1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4G100202-002 GKVPQ1AD-MSD
Date Sampled...: 07/08/04 11:56 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202226
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**100**	**(78 - 118)**			**SW846 8260B**
	100	**(78 - 118)**	**0.29**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**94**	**(76 - 117)**			**SW846 8260B**
	96	**(76 - 117)**	**2.0**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**109**	**(62 - 130)**			**SW846 8260B**
	111	**(62 - 130)**	**2.0**	**(0-20)**	**SW846 8260B**
Toluene	**97**	**(70 - 119)**			**SW846 8260B**
	98	**(70 - 119)**	**0.64**	**(0-20)**	**SW846 8260B**
Trichloroethene	**97**	**(62 - 130)**			**SW846 8260B**
	101	**(62 - 130)**	**3.6**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(73 - 122)
	103	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
	102	(61 - 128)
Toluene-d8	89	(76 - 110)
	92	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)
	95	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4G100202 **Work Order #...:** GKVPQ1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4G100202-002 GKVPQ1AD-MSD
Date Sampled...: 07/08/04 11:56 **Date Received..:** 07/10/04
Prep Date.....: 07/19/04 **Analysis Date..:** 07/19/04
Prep Batch #...: 4202226
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**10**	**10**	**ug/L**	**100**		**SW846 8260B**
	ND	**10**	**10**	**ug/L**	**100**	**0.29**	**SW846 8260B**
Chlorobenzene	**ND**	**10**	**9.4**	**ug/L**	**94**		**SW846 8260B**
	ND	**10**	**9.6**	**ug/L**	**96**	**2.0**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**10**	**11**	**ug/L**	**109**		**SW846 8260B**
	ND	**10**	**11**	**ug/L**	**111**	**2.0**	**SW846 8260B**
Toluene	**ND**	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	ND	**10**	**9.8**	**ug/L**	**98**	**0.64**	**SW846 8260B**
Trichloroethene	**ND**	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	ND	**10**	**10**	**ug/L**	**101**	**3.6**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(73 - 122)
	103	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
	102	(61 - 128)
Toluene-d8	89	(76 - 110)
	92	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)
	95	(74 - 116)

NOTE(S):

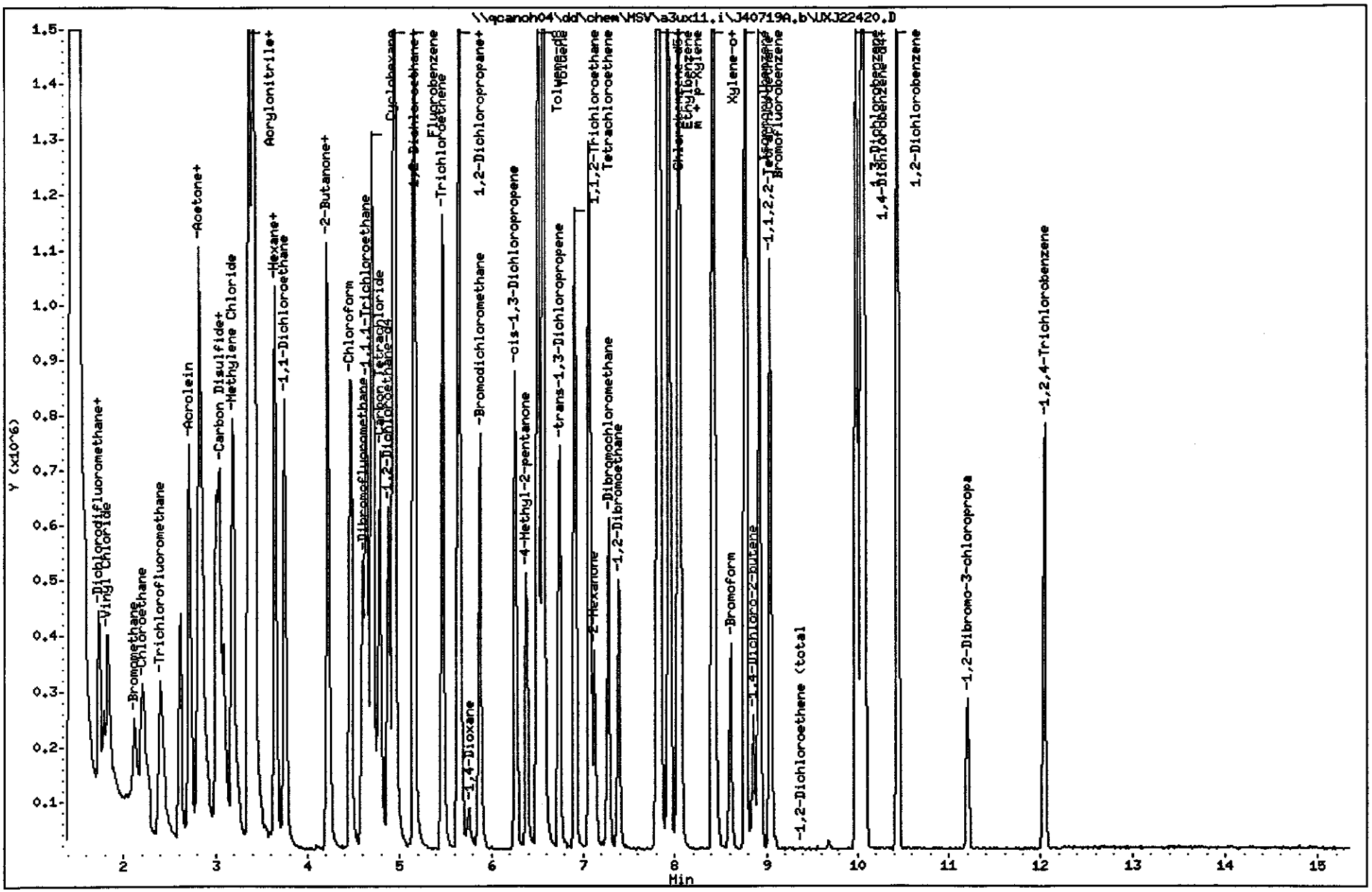
Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22420.D
Date : 19-JUL-2004 13:31
Client ID: MW507/070804
Sample Info: GKVPQ1AC,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i

Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22420.D
Report Date: 20-Jul-2004 11:06

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22420.D
Lab Smp Id: GKVPQ1AC Client Smp ID: MW507/070804
Inj Date : 19-JUL-2004 13:31
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GKVPQ1AC,5ML/5ML
Misc Info : J40719A,8260LLUX11,2-8260.SUB,43582,3,,MS
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\8260LLUX11.m
Meth Date : 20-Jul-2004 10:58 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 12 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	1784871	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1426434	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	767268	50.0000	
$ 4 Dibromofluoromethane	113	4.591	4.591	(0.890)	371181	50.3394	10.068
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	449189	46.9821	9.396
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	1520919	44.7067	8.941
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	649569	45.4874	9.097
8 Dichlorodifluoromethane	85	1.586	1.574	(0.307)	326516	32.2000	6.440
9 Chloromethane	50	1.728	1.728	(0.335)	517605	38.1079	7.622
10 Vinyl Chloride	62	1.834	1.822	(0.356)	496097	41.3786	8.276
11 Bromomethane	94	2.118	2.106	(0.411)	160239	30.5706	6.114
12 Chloroethane	64	2.201	2.201	(0.427)	360680	48.7028	9.740
13 Trichlorofluoromethane	101	2.402	2.402	(0.466)	589358	54.3710	10.874
15 Acrolein	56	2.710	2.710	(0.525)	881618	565.562	113.11
16 Acetone	43	2.828	2.828	(0.548)	161148	39.1120	7.822
17 1,1-Dichloroethene	96	2.816	2.816	(0.546)	476285	54.3683	10.874
18 Freon-113	151	2.840	2.828	(0.550)	379600	62.0791	12.416
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22420.D
Report Date: 20-Jul-2004 11:06

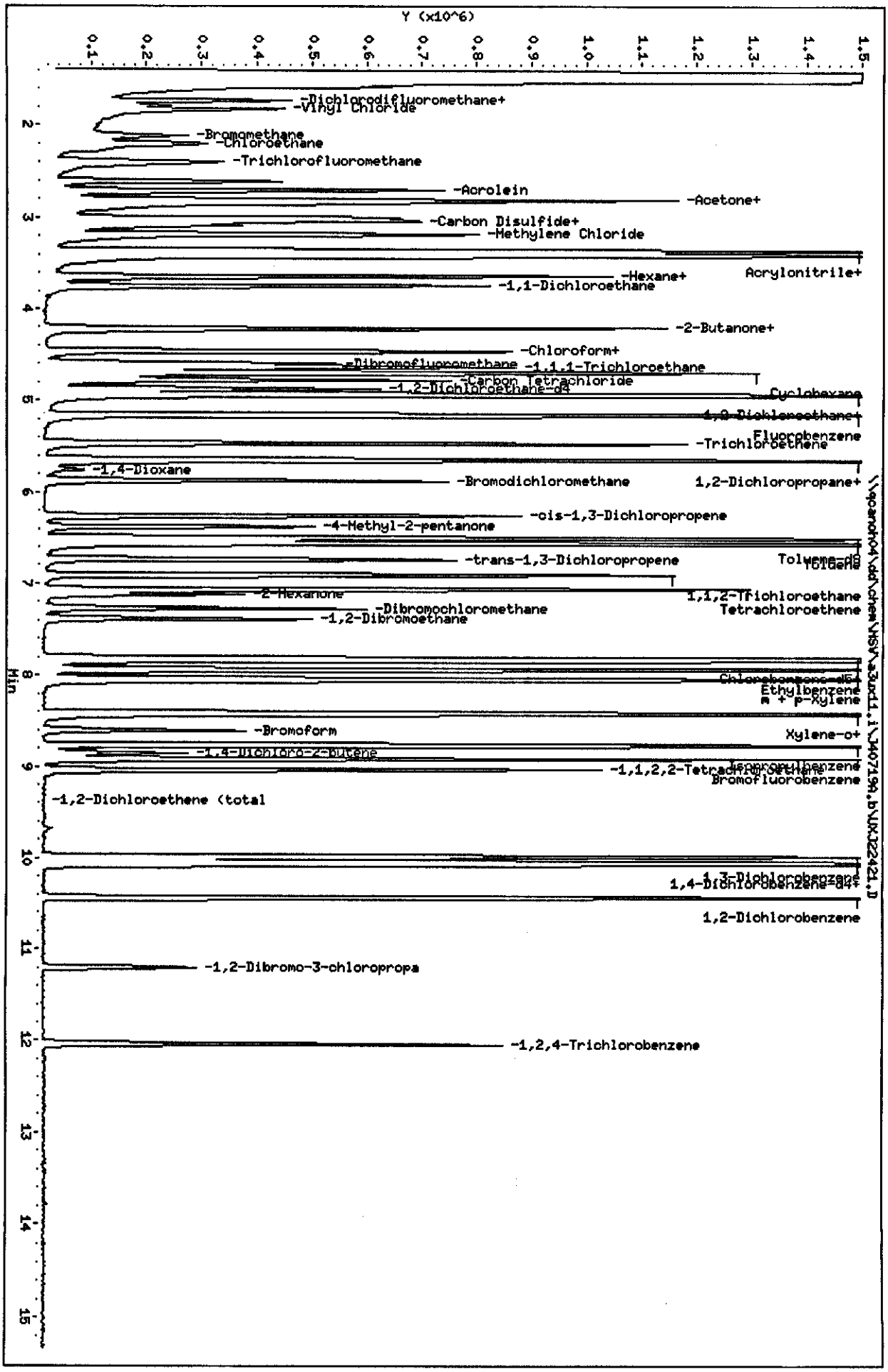
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	3.006	3.006	(0.583)	1817854	58.8474	11.769
	21 Methylene Chloride	84	3.183	3.183	(0.617)	529686	50.6041	10.121
	22 Acetonitrile	41	3.041	3.041	(0.589)	641058	520.373	104.07
	23 Acrylonitrile	53	3.372	3.361	(0.654)	1916662	534.611	106.92
	24 Methyl tert-butyl ether	73	3.408	3.408	(0.661)	968642	42.8540	8.571
	25 trans-1,2-Dichloroethene	96	3.420	3.420	(0.663)	506810	54.2291	10.846
	26 Hexane	86	3.645	3.645	(0.706)	102467	53.2177	10.644
	27 Vinyl acetate	43	3.645	3.775	(0.706)	323691	18.8662	3.773
	28 1,1-Dichloroethane	63	3.751	3.751	(0.727)	866984	52.2908	10.458
	29 tert-Butyl Alcohol	59	3.100	3.254	(0.601)	26769	42.4187	8.484
	30 2-Butanone	43	4.213	4.201	(0.817)	197267	38.8081	7.762
M	31 1,2-Dichloroethene (total)	96				1036688	109.494	21.899
	32 cis-1,2-dichloroethene	96	4.213	4.213	(0.817)	529878	55.2649	11.053
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.473	4.461	(0.867)	833667	53.6251	10.725
	36 Tetrahydrofuran	42	4.213	4.449	(0.817)	15442	5.59202	1.118
	37 1,1,1-Trichloroethane	97	4.638	4.639	(0.899)	576926	51.9111	10.382
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.780	4.781	(0.927)	469661	54.8358	10.967
	40 1,2-Dichloroethane	62	4.934	4.934	(0.956)	631484	53.2337	10.647
	41 Benzene	78	4.946	4.934	(0.959)	2036928	49.9511	9.990
	42 Trichloroethene	130	5.467	5.467	(1.060)	461718	48.6810	9.736
	43 1,2-Dichloropropane	63	5.656	5.656	(1.096)	486878	48.6422	9.728
	44 1,4-Dioxane	88	5.763	5.751	(1.117)	59806	617.900	123.58(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.881	5.881	(1.140)	563069	50.9001	10.180
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	6.260	6.260	(1.213)	568563	38.8012	7.760
	49 4-Methyl-2-pentanone	43	6.378	6.378	(1.236)	368231	42.4325	8.486
	50 Toluene	91	6.567	6.567	(0.841)	2096161	48.4602	9.692
	51 trans-1,3-Dichloropropene	75	6.745	6.745	(0.864)	490097	36.8028	7.360
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.910	6.911	(0.885)	427113	48.9606	9.792
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.064	7.064	(0.905)	358675	48.8377	9.768
	56 2-Hexanone	43	7.123	7.124	(0.912)	257174	36.9088	7.382
	57 Dibromochloromethane	129	7.277	7.277	(0.932)	375321	48.2697	9.654
	58 1,2-Dibromoethane	107	7.384	7.384	(0.945)	411427	47.7734	9.555
	59 Chlorobenzene	112	7.845	7.845	(1.005)	1308331	47.2526	9.450
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.940	7.940	(1.017)	693274	47.8965	9.579
	62 m + p-Xylene	106	8.046	8.046	(1.030)	1798011	98.0527	19.610
M	63 Xylenes (total)	106				2624962	144.005	28.801
	64 Xylene-o	106	8.425	8.425	(1.079)	826951	45.9522	9.190
	65 Styrene	104	8.437	8.425	(1.080)	1468683	46.3679	9.274
	66 Bromoform	173	8.614	8.614	(1.103)	221639	44.8749	8.975

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22420.D
Report Date: 20-Jul-2004 11:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.768	8.768	(1.123)	1957454	47.2239	9.445
68 1,1,2,2-Tetrachloroethane	83	9.040	9.040	(0.900)	617126	53.3665	10.673
69 1,4-Dichloro-2-butene	53	8.851	9.088	(0.881)	5751	1.92164	0.3843
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.987	9.987	(0.994)	947157	44.5012	8.900
81 1,4-Dichlorobenzene	146	10.070	10.070	(1.002)	1062206	47.8080	9.562
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.437	10.437	(1.039)	941122	45.5370	9.107
84 1,2-Dibromo-3-chloropropane	157	11.206	11.206	(1.115)	93472	49.8724	9.974
85 1,2,4-Trichlorobenzene	180	12.046	12.046	(1.199)	311880	28.1316	5.626
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.698	4.698	(0.911)	743924	47.5340	9.507
143 Methyl Acetate	43	3.100	3.088	(0.601)	337291	49.2102	9.842
144 Methylcyclohexane	83	5.644	5.644	(1.094)	572558	44.7602	8.952
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J407190.b\UXJ22421.D
Date : 19-JUL-2004 13:54
Client ID: HW507/070804
Sample Info: CKVPQ1AD,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride
Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform+
-Dibromofluoromethane
-1,1,1-Trichloroethane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Cyclohexane
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane
-Bromodichloromethane
1,2-Dichloropropane+
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
Toluene
-2-Hexanone
1,1,2-Trichloroethane
-Dibromochloromethane
Tetrachloroethene
-1,2-Dibromoethane
Chlorobenzene-d5
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-1,4-Dichloro-2-butene
-1,1,2,2-Tetrachloroethane
Isopropylbenzene
Bromofluorobenzene
-1,2-Dichloroethene (total
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux11.i\J407190.b\UXJ22421.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22421.D
Report Date: 20-Jul-2004 11:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22421.D
Lab Smp Id: GKVPQ1AD Client Smp ID: MW507/070804
Inj Date : 19-JUL-2004 13:54
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GKVPQ1AD,5ML/5ML
Misc Info : J40719A,8260LLUX11,2-8260.SUB,43582,3,,MSD
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40719A.b\8260LLUX11.m
Meth Date : 20-Jul-2004 10:58 evansl Quant Type: ISTD
Cal Date : 01-JUL-2004 14:58 Cal File: UXJ21964.D
Als bottle: 13 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

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	5.159	5.159	(1.000)	1776068	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1403917	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	771395	50.0000	
$ 4 Dibromofluoromethane	113	4.591	4.591	(0.890)	377969	51.5141	10.303
$ 5 1,2-Dichloroethane-d4	65	4.875	4.875	(0.945)	485027	50.9819	10.196
$ 6 Toluene-d8	98	6.508	6.508	(0.833)	1548425	46.2452	9.249
$ 7 Bromofluorobenzene	95	8.922	8.922	(1.142)	664947	47.3111	9.462
8 Dichlorodifluoromethane	85	1.574	1.574	(0.305)	342717	33.9652	6.793
9 Chloromethane	50	1.728	1.728	(0.335)	520803	38.5334	7.707
10 Vinyl Chloride	62	1.822	1.822	(0.353)	532882	44.6670	8.933
11 Bromomethane	94	2.118	2.106	(0.411)	191251	36.6679	7.334
12 Chloroethane	64	2.201	2.201	(0.427)	361596	49.0685	9.814
13 Trichlorofluoromethane	101	2.402	2.402	(0.466)	602963	55.9018	11.180
15 Acrolein	56	2.710	2.710	(0.525)	869605	560.621	112.12
16 Acetone	43	2.828	2.828	(0.548)	141392	34.4871	6.897
17 1,1-Dichloroethene	96	2.816	2.816	(0.546)	483319	55.4446	11.089
18 Freon-113	151	2.840	2.828	(0.550)	375306	61.6810	12.336
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22421.D
Report Date: 20-Jul-2004 11:07

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	3.006	3.006	(0.583)	1732002	56.3461	11.269
	21 Methylene Chloride	84	3.183	3.183	(0.617)	518284	49.6763	9.935
	22 Acetonitrile	41	3.041	3.041	(0.589)	637526	520.070	104.01
	23 Acrylonitrile	53	3.361	3.361	(0.651)	1902175	533.200	106.64
	24 Methyl tert-butyl ether	73	3.408	3.408	(0.661)	986030	43.8395	8.768
	25 trans-1,2-Dichloroethene	96	3.420	3.420	(0.663)	500449	53.8139	10.763
	26 Hexane	86	3.645	3.645	(0.706)	101668	53.0644	10.613
	27 Vinyl acetate	43	3.645	3.775	(0.706)	320404	18.7672	3.753
	28 1,1-Dichloroethane	63	3.751	3.751	(0.727)	862950	52.3055	10.461
	29 tert-Butyl Alcohol	59	3.420	3.254	(0.663)	22225	35.3928	7.078
	30 2-Butanone	43	4.213	4.201	(0.817)	190319	37.6268	7.525
M	31 1,2-Dichloroethene (total)	96				1031821	109.509	21.902
	32 cis-1,2-dichloroethene	96	4.213	4.213	(0.817)	531372	55.6954	11.139
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.461	4.461	(0.865)	803516	51.9419	10.388
	36 Tetrahydrofuran	42	4.461	4.449	(0.865)	7489	2.72544	0.5451
	37 1,1,1-Trichloroethane	97	4.639	4.639	(0.899)	576084	52.0923	10.418
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.781	4.781	(0.927)	469551	55.0947	11.019
	40 1,2-Dichloroethane	62	4.934	4.934	(0.956)	614398	52.0501	10.410
	41 Benzene	78	4.946	4.934	(0.959)	2020899	49.8037	9.961
	42 Trichloroethene	130	5.467	5.467	(1.060)	476079	50.4440	10.089
	43 1,2-Dichloropropane	63	5.656	5.656	(1.096)	495390	49.7379	9.948
	44 1,4-Dioxane	88	5.763	5.751	(1.117)	60986	633.214	126.64(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.881	5.881	(1.140)	578861	52.5870	10.517
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	6.260	6.260	(1.213)	576292	39.5236	7.905
	49 4-Methyl-2-pentanone	43	6.378	6.378	(1.236)	377356	43.6995	8.740
	50 Toluene	91	6.567	6.567	(0.841)	2076544	48.7766	9.755
	51 trans-1,3-Dichloropropene	75	6.745	6.745	(0.864)	507580	38.7270	7.745
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.910	6.911	(0.885)	418412	48.7325	9.746
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.064	7.064	(0.905)	348766	48.2501	9.650
	56 2-Hexanone	43	7.123	7.124	(0.912)	257529	37.5525	7.510
	57 Dibromochloromethane	129	7.277	7.277	(0.932)	367812	48.0627	9.612
	58 1,2-Dibromoethane	107	7.384	7.384	(0.945)	415164	48.9805	9.796
	59 Chlorobenzene	112	7.845	7.845	(1.005)	1313366	48.1953	9.639
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.940	7.940	(1.017)	666806	46.8068	9.361
	62 m + p-Xylene	106	8.046	8.046	(1.030)	1797341	99.5882	19.918
M	63 Xylenes (total)	106				2649698	147.712	29.542
	64 Xylene-o	106	8.425	8.425	(1.079)	852357	48.1236	9.625
	65 Styrene	104	8.437	8.425	(1.080)	1482288	47.5480	9.510
	66 Bromoform	173	8.614	8.614	(1.103)	231067	47.5341	9.507

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40719A.b\UXJ22421.D
Report Date: 20-Jul-2004 11:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.768	8.768	(1.123)	1970581	48.3030	9.661
68 1,1,2,2-Tetrachloroethane	83	9.040	9.040	(0.900)	617337	53.0992	10.620
69 1,4-Dichloro-2-butene	53	8.863	9.088	(0.882)	6233	2.07155	0.4143
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.987	9.987	(0.994)	952180	44.4978	8.900
81 1,4-Dichlorobenzene	146	10.070	10.070	(1.002)	1048108	46.9211	9.384
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.437	10.437	(1.039)	944129	45.4381	9.088
84 1,2-Dibromo-3-chloropropane	157	11.206	11.206	(1.115)	93655	49.7027	9.940
85 1,2,4-Trichlorobenzene	180	12.046	12.046	(1.199)	325992	29.2472	5.849
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.698	4.698	(0.911)	721744	46.3454	9.269
143 Methyl Acetate	43	3.100	3.088	(0.601)	341218	50.0299	10.006
144 Methylcyclohexane	83	5.656	5.644	(1.096)	573589	45.0631	9.013
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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

SEVERN TRENT STL

MISCELLANEOUS DATA

UX7
Batch # _____

STL-North Canton
GC/MS VOA Run Log

Date: 7-15-04

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 # V 2074 SS # V 2061		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
			BFB 327		Direct Inject	08:54	OK
1	5.0 Ng Cal 8260		UX77653	5 Ng	V2062,63 V2067,63	1 Cal Passed	OK
2	10		54	10 Ng			OK
3	25		55	25 Ng			OK
4	50		56	50 Ng			OK
5	100		57	100 Ng			OK
6	200		58	200 Ng			OK
7	50 Ng ICV		59	50 Ng	V 2070	2nd Source OK Check for Army list	OK
8	5 Ng R9		UX77660	5 Ng	V 2067,68		OK
9	10 Ng		61	10 Ng			OK
10	25 Ng		62	25 Ng			OK
11	50 Ng		63	50 Ng			OK
12	100 Ng		64	100 Ng			OK
13	200 Ng		65	200 Ng			OK

Analyst: CMR
Level 2 review: [illegible]

CMR
7-15-04

100202 070245
100112 070288
070213

7/20

UX7
Batch # H198123

STL-North Canton
GC/MS VOA Run Log

Date: 7-~~16~~ 15-OH

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 # V207H SS # V2061		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB 328	50Ng	Direct Inject	15:29	OK
1	A9 Cal		UX7 7666		V2067-68	U H0715	OK
2	Val Cal		67		V2062 V2065-66	U H0715	OK
3	LC2		68		V2063	GK7RM-1AC	OK
4	LCSD		69			-1AD	OK
5	Val Blank		70	5ml		-1AA	OK
6	GKRVH-1AA		71	5ml			OK
7	GKVPT-1AA	ED	72				OK
8	GKTWH-1AA	GM ED	73				OK
9	GKLNG-1AC		74				OK
10	GKLNL-1AC		75				OK
11	GKLNM-1AC		76				OK
12	GKLN9-1AC		77				OK
13	GKLPG-1AA		78				OK
14	GKLVC-1AA	ED GM	79				OK
15	GKLXN-1AA	ED/GM	80				OK
16	GKLXW-1AA		81				OK
17	GKLX2-1AA		82				OK
18	GKLX3-1AA		83				OK
19	GKLX7-1AA		84				OK
20	GKLG9-1AD	GM	85				OK
21	GKL7D-1AC	MS	86				OK
22	GKMVP-1AA		87				OK
23	GKMVR-1AA		88				OK
24	GKMVT-1AA		89	0.7ml			OK
25	MS	1AC	90	+50Ng	V2063		OK
26	MSD	1AD	91				OK
27	GKMVV-1AA		92	2.5ml			OK

5417

Analyst: CMR
Level 2 review: [illegible]

CMR
7-16-OH

100 152 100 202
100 156
100 161
100 180

UX7
Batch # H20 2119

STL-North Canton
GC/MS VOA Run Log

7/23

Date: 7-19-04 (A)

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 # V207H SS # V2079		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB332	50 ng	Direct Inject	07:12	OK
1	A9 Cal		UX7 7775		V2067-68	UH0715	OK
2	Val Cal		76		V2062 V2065-67	UH0715	-
3	Val Cal		77		↓	UH0715	OK
4	LC2		78		V2070	GLD9C-1AC	OK
5	LC2D		79	↓	↓	1AD	OK
6	Val Blank		80	5ml		1AA	OK
7	GKT60-1AM		81	0.75ml			OK
8	GKVEC-1AA	ED TICO	82	5ml			OK
9	GKVEF-1AA	↓↓	83				OK
10	GKVH7-1AA	ED	84				OK
11	GKVH9-1AA		85				OK
12	GKVgC-1AA		86				OK
13	GKVgD-1AA		87				OK
14	GKVgQ-1AA		88				OK
15	GKVgX-1AA		89				OK
16	GKVgO-1AA		90				OK
17	GKVg1-1AA		91	↓			OK
18	GKR07-1AL		92	x10 0.002ml		RR 0.1 ml	-
19	GKVDC-1AA	TICO	93	0.45ml		RR 0.2 ml	-
20	GKVDP-1AA		94	0.625ml		RR 0.3 ml	-
21	GKVDQ-1AA		95	0.5ml		RR 0.3ml	-
22	1AC		96	+ 50 ng	V2070		-
23	1AD		97	↓ ↓	↓	↓	-
24	GKVDV-1AA		98	5ml			OK
25	GKVP6-1AA	ED	99				OK
26	GKVP9-1AA		00				OK
27	GKVQC-1AA		01				OK
28	GKVQE-1AA		UX7 7802				OK

3038

Analyst: CMR
Level 2 review: [signature]

CMR 7-20-04

100 208
130 223

UX7
Batch # H202123

STL-North Canton
GC/MS VOA Run Log

7/23

Date: 7-19-OH

Column
Type: DB624
Length 20 M
I.D. 0.18 mm
Flow Rate 0.4ml/min

BFB
100 C for 0.1 min
to 200 C @ 20 C/min
Hold -- min

Analysis
45 C for 2 min
to 200 C @ 15 C/min
to -- C @ -- C/min
Hold 3 min

Purge & Trap
Trap: #10
Purge: 11
Desorb: 1 min @240 C
Bake: 5 min @ 250 C
Heated purge: Yes No

IS # V2071H SS # V2079

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB 333	50ng	Direct Inject	19:06	OK
1	A9 Cal		UX77803		V2067-68	UH0715	OK
2	Val Cal		04		V2062 V2065-67	UH0715	OK
3	1C3		05		V2070	BLD9H-1AC	OK
4	LCOD		06			-1AD	OK
5	Val Blank		07	5ml		-1AA	OK
6	BKVQR-1AA CD		08				OK
7	BKVQR-1AA		09				OK
8	BKVQW-1AA		10				OK
9	BKVQO-1AA		11				OK
10	BKVQ2-1AA		12				OK
11	BKVQ2-1AA		13				OK
12	BKVQ5-1AA	m/	14				OK
13	BKVR1-1AA	CD	15				OK
14	BKVR3-1AA		16				OK
15	1CR		17	+50ng	V2070		OK
16	1CT		18				OK
17	BKVR9-1AA		19	5ml			OK
18	BKVTC-1AA		20				OK
19	BKVTF-1AA		21				OK
20	BKVTG-1AA		22	0.003ml			OK
21	BKVTJ-1AA		23	5ml			OK
22	BKOHR-1AA CD		24				OK
23	BKOHG-1AK		25				OK
24	BKOHH-1AK		26				OK
25	BKOHL-1AK		27				OK
26	BKOHM-1AK		28				OK
27	BKOHP-1AK		29				OK

1H73

Analyst: CMR
Level 2 review: MN

CMR 7-20-OH

100 202 210 139 100 208
120 101 200 14H
100 ~~257~~ 241

7/22

UX7
Batch # H203254

STL-North Canton
GC/MS VOA Run Log

Date: 7-21-04

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 # V207H SS # V2079		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number/ Sample prep	Comments	Sample status
	BFB		BFB336	50Ng	Direct Inject	08:41	OK
1	A9 Cal		UX7 7888		V2068.83	UH0715	OK
2	Vol Cal		89		V2078 V2082.84	UH0715	OK
3	LC2		90		V2081	GLHGC-1AC	OK
4	LCSD		91			-1AD	OK
5	Vol Blank		92	5ml		-1AA	OK
6	GLFnn-1AA	CMR 7-21-04	93	2.5ml		Dil for TICo R/R	OK
7	GLFno-1AA		94	5ml			OK
8	GLCKG-1AA		95				OK
9	GKVgv-1AA		96	×10 0.005ml		RR 0.3ml	–
10	GKVgw-1AA	ED	97	2ml			OK
11	GKVpm-1AA	ED	98	5ml			OK
12	GKVR2-1AA	ED	99	0.5ml			OK
13	GKVgv-1AA	ED	7900	×10 0.003ml			OK
14	GLAHC-1AA		01	5ml			OK
15	GLAHD-1AA		02				OK
16	GLAHG-1AA		03				OK
17	GLAHL-1AA		04				OK
18	GLAHR-1AA		05				OK
19	GKV8T-1AA		06				OK
20	GKV8V-1AA		07				OK
21	GKVR2-1AA	ED 21A9	08	+50 Ng 0.5ml	V2081		OK
22		MSD1CA	09				OK
23	GLGWT-1AA		10	5ml			OK
24	GLGW2-1AA		11				OK
25	GK53V-1AA	TICo	12				OK
26	GLA4P-1AA		13	0.6ml			OK
27	GLEMX-1AA		14	5ml			OK
28	GLENL-1AA	ED	UX7 7915				OK

Release Done

8669

Analyst: CMR
Level 2 review:

CMR 7-22-04

Date: 7/1/04

UX11
Batch # _____

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 @ 20 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V2015 SS # V2016	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB161	50ng	dir inject	9:07	On
1	V01 STD		UXJ2192	200ng			—
2	V01 STD		53	100ng			—
3	V02 STD		54	50ng		@ primary STD	—
4	V01 STD		55	25ng		bad for MBE	—
5	V01 STD		56	10ng			—
6	V01 STD		57	5ng			—
7	DCV		58	50ng	V2008		
8	AG STD		59	200ng		V 2018, 2000	On
9	AG STD		60	100ng			On
10	AG STD		61	50ng			On
11	AG STD		62	25ng			On
12	AG STD		63	10ng			On
13	AG STD		64	5ng			On
1	V01 STD		65	200ng		V2036, 14, 30, 13	On
2	V01 STD		66	100ng			On
3	V01 STD		67	50ng			On
4	V01 STD		68	25ng			On
5	V01 STD		69	10ng			On
6	V01 STD		70	5ng			On
7	DCV		71	50ng	V2008		On

7/2/04

Analyst: [signature]
Level 2 review: [signature]

UX11
Batch # 4202226

STL-North Canton
GC/MS VOA Run Log

7/20

Date: 7/19/04

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 @ 20 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 # V2059 SS # V2060		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
1	BFB		BFB177	50mg	dir inject	9:03	On
1	VOI STD		UXJ22409		V2065,66,78	J40701	On
2	Aa STD		10		V2067,52		On
3	Check	GLERC	11		V2070		On
4	Check Dup		12				On
5	blank		13	5ml			On
6	GKQAQ1AA		14				On
7	GKQAW1AA		15				On
8	GLATA1AA	ED	16				On
9	GKJ6W1AA		17				On
10	GKVP2 1AA	ED	18	0.5ml/5ml			On
11	GKVPQ1AA		19	5ml			On
12	GKVPQ1AC	(S)	20		+50mg		On
13	GKVPQ1AD	(D)	21				On
14	GKVPX1AA		22				On
15	GKVP11AA		23				On
16	GKVP41AA		24			@600 µl	—
17	GKVP51AA		25				On
18	~~GKVJE1AA~~	ED	GKRRR1AX 26		0.004ml/5ml 100X	@ 8 µl 100X	—
19	~~GKWXP1AA~~		GKQQV1AE 27		1ml/5ml	(tic)	On
20	GKO2P 1AA		28				On
21	GKO23 1AA		29				On
22	GKOO2 1AA	GMM	30				On
23	GKO1A 1AA		31				On
24	GKVJE1AA	ED	32	5ml			On
25	GKWXP1AA		33				On
26	GKOPF1AE		34				On
27	GKOPH1AE		35				On
28	GKVP41AA		36	0.6ml/5ml			On
29	GKRRR1AX		37	0.005ml/5ml 100X			On

7/20/04

Analyst: [signature]
Level 2 review: SMM

MSVOC Lot Summary - A4G100202

14

:LIENT: 5670 PAYNE FIRM INC. SDG:
:ROJECT MANAGER: Roger K. Toth
:ITE: EMD CHEMICAL
:OT COMMENTS:
:C PACKAGE: Expanded Deliverables

Date Received: 7/10/04
Date Analysis Due: 7/23/04 Y
Date Report Due: 7/30/04
Turnaround Time: 13

:AMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
01-	GKVPM-1AA	XX I 25 QK 01 MS8260LL	3	7/08/04	7/22/04	N	DUP001/070804 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC,EXP DEL.
02-	GKVPQ-1AA	XX I 25 QK 01 MS8260LL	6	7/08/04 11:56	7/22/04	N	MW507/070804 Q: CLP MSVOA TCL Standard List EMS REQ THIS SAM,EXP DEL.
02-D	" -1AD	XX I 25 QK 01 MS8260LL		7/08/04	7/22/04	N	
02-S	" -1AC	XX I 25 QK 01 MS8260LL		7/08/04	7/22/04	N DE 7-12-04	
03-	GKVPT-1AA	XX I 25 QK 01 MS8260LL	3	7/08/04 12:35	~~7/22/04~~ 7/15/04	N	MW507B/070804 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC,EXP DEL.
04-	GKVPX-1AA	XX I 25 QK 01 MS8260LL		7/08/04 13:10	7/22/04	N	MW509B/070804 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC,EXP DEL.
05-	GKVP1-1AA	XX I 25 QK 01 MS8260LL		7/08/04 13:33	7/22/04	N	MW509A/070804 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC,EXP DEL.
06-	GKVP2-1AA	XX I 25 QK 01 MS8260LL		7/08/04 14:20	7/22/04	N	MW505A/070804 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC,EXP DEL.
07-	GKVP4-1AA	XX I 25 QK 01 MS8260LL		7/08/04 14:48	7/22/04	N	MW505B/070804 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC,EXP DEL.
08-	GKVP5-1AA	XX I 25 QK 01 MS8260LL		7/08/04 15:40	7/22/04	N	MW504/070804 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC,EXP DEL.
09-	GKVP6-1AA	XX I 25 QK 01 MS8260LL		7/09/04 9:45	7/23/04	N	MW510A/070904 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC,EXP DEL.
010-	GKVP9-1AA	XX I 25 QK 01 MS8260LL		7/09/04 9:45	7/23/04	N	MW510B/070904 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC,EXP DEL.
011-	GKVQC-1AA	XX I 25 QK 01 MS8260LL		7/09/04 10:29	7/23/04	N	MW508/070904 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC,EXP DEL.
012-	GKVQE-1AA	XX I 25 QK 01 MS8260LL		7/09/04 10:42	7/23/04	N	MW508B/070904 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC,EXP DEL.
013-	GKVQG-1AA	XX I 25 QK 01 MS8260LL		7/09/04 11:17	7/23/04	N	MW506/070904 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC,EXP DEL.
014-	GKVQR-1AA	XX I 25 QK 01 MS8260LL		7/09/04 12:05	7/23/04	N	DW001/070904 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC,EXP DEL.
015-	GKVQW-1AA	XX I 25 QK 01 MS8260LL		7/09/04 12:05	7/23/04	N	DW002/070904 Q: CLP MSVOA TCL Standard List

PH = 1

PH = 2

PH = 1

Severn Trent Laboratories, Inc

System Date: 7/10/04 12:54:07
Local Date: 7/10/04 14:54:07

MSVOC Lot Summary - A4G100202

14

:LIENT: 5670 PAYNE FIRM INC.
'ROJECT MANAGER: Roger K. Toth
:ITE: EMD CHEMICAL
.OT COMMENTS:
:C PACKAGE: Expanded Deliverables

SDG:

Date Received: 7/10/04
Date Analysis Due: 7/23/04 Y
Date Report Due: 7/30/04
Turnaround Time: 13

:AMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
16-	GKVQ0-1AA	XX I 25 QK 01 MS8260LL		7/09/04 12:35	7/23/04	N	DW003/070904 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC,EXP DEL.
17-	GKVQ2-1AA	XX I 25 QK 01 MS8260LL		7/09/04 12:39	7/23/04	N	DW004/070904 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC,EXP DEL.
18-	GKVQ3-1AA	XX I 25 QK 01 MS8260LL		7/09/04 12:40	7/23/04	N	FB001/070904 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC,EXP DEL.
19-	GKVQ5-1AA	XX I 25 QK 01 MS8260LL		7/09/04	7/23/04	N	TRIP BLANK Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC,EXP DEL.

3

4

PK = 1

07/29/04 06:29:28 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A4G100202	1	GKVPM1AA	MS8260LL	7/21/04	Carolynne Roach
A4G100202	2	GKVPQ1AA	MS8260LL	7/19/04	Laura Evans
A4G100202	3	GKVPT1AA	MS8260LL	7/15/04	Carolynne Roach
A4G100202	4	GKVPX1AA	MS8260LL	7/19/04	Laura Evans
A4G100202	5	GKVP11AA	MS8260LL	7/19/04	Laura Evans
A4G100202	6	GKVP21AA	MS8260LL	7/19/04	Laura Evans
A4G100202	7	GKVP41AA	MS8260LL	7/19/04	Laura Evans
A4G100202	8	GKVP51AA	MS8260LL	7/19/04	Laura Evans
A4G100202	9	GKVP61AA	MS8260LL	7/19/04	Carolynne Roach
A4G100202	10	GKVP91AA	MS8260LL	7/19/04	Carolynne Roach
A4G100202	11	GKVQC1AA	MS8260LL	7/19/04	Carolynne Roach
A4G100202	12	GKVQE1AA	MS8260LL	7/19/04	Carolynne Roach
A4G100202	13	GKVQG1AA	MS8260LL	7/19/04	Carolynne Roach
A4G100202	14	GKVQR1AA	MS8260LL	7/19/04	Carolynne Roach
A4G100202	15	GKVQW1AA	MS8260LL	7/19/04	Carolynne Roach
A4G100202	16	GKVQ01AA	MS8260LL	7/19/04	Carolynne Roach
A4G100202	17	GKVQ21AA	MS8260LL	7/19/04	Carolynne Roach
A4G100202	18	GKVQ31AA	MS8260LL	7/19/04	Carolynne Roach
A4G100202	19	GKVQ51AA	MS8260LL	7/19/04	Carolynne Roach

* * * E N D O F R E P O R T * * *

SEVERN TRENT STL

END OF REPORT