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SEVERN TRENT STL

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ANALYTICAL REPORT

PROJECT NO. 100.58.15

EMD RCRA VA, OHIO

Lot #: A4H180231

Angela Hurley

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

SEVERN TRENT LABORATORIES, INC.

Roger K. Toth
Project Manager

September 15, 2004

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE

A4H180231

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 RCRA VA, Ohio Site, project number 100.58.15. The samples were received August 18, 2004, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Angela Hurley and Kevin Kallini on August 30, 2004, and September 01, 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 2.7°C.

CASE NARRATIVE (continued)

GC/MS VOLATILES

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

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

The matrix spike/matrix spike duplicate(s) for MW027/081704 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

The matrix spike/matrix spike duplicate(s) for batch(es) 4239136, 4239131 and 4243253 had RPD's and recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

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

QC BATCH

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

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

LABORATORY CONTROL SAMPLE

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

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

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

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

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

- *for analyses run on TJA Trace ICP, ICPMS or GFAA only*

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

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

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

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

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

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

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

SURROGATE COMPOUNDS

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

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

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

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

STL North Canton Certifications and Approvals:

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

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EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A4H180231

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW015B/081704 08/17/04 08:45 001				
Toluene	0.20 J	1.0	ug/L	SW846 8260B
MW018/081704 08/17/04 09:43 002				
Chloroform	9.5	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	0.29 J	1.0	ug/L	SW846 8260B
Trichloroethene	0.36 J	1.0	ug/L	SW846 8260B
MW023/081704 08/17/04 09:50 003				
Benzene	7.1	1.0	ug/L	SW846 8260B
2-Butanone	0.47 J	10	ug/L	SW846 8260B
Chloroethane	15	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	5.7	1.0	ug/L	SW846 8260B
1,4-Dioxane	450	50	ug/L	SW846 8260B
Toluene	0.37 J	1.0	ug/L	SW846 8260B
Vinyl chloride	1.1	1.0	ug/L	SW846 8260B
MW026A/081704 08/17/04 11:28 004				
Acetone	1.4 J	10	ug/L	SW846 8260B
2-Butanone	2.9 J	10	ug/L	SW846 8260B
4-Methyl-2-pentanone	0.49 J	10	ug/L	SW846 8260B
Styrene	0.47 J	1.0	ug/L	SW846 8260B
Toluene	0.41 J	1.0	ug/L	SW846 8260B
MW027/081704 08/17/04 13:28 005				
Benzene	430 J	1000	ug/L	SW846 8260B
Chloroform	260 J	1000	ug/L	SW846 8260B
1,2-Dichloroethane	1000	1000	ug/L	SW846 8260B
cis-1,2-Dichloroethene	4300	1000	ug/L	SW846 8260B
1,2-Dichloroethene (total)	4300	2000	ug/L	SW846 8260B
Methylene chloride	500 J,B	1000	ug/L	SW846 8260B
Trichloroethene	13000	1000	ug/L	SW846 8260B
Vinyl chloride	890 J	1000	ug/L	SW846 8260B
MW506/081704 08/17/04 08:20 007				
Benzene	0.46 J	1.0	ug/L	SW846 8260B
Toluene	0.65 J	1.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4H180231

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW507/081704 08/17/04 09:40 008				
1,1-Dichloroethane	0.22 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.3	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	1.3 J	2.0	ug/L	SW846 8260B
1,4-Dioxane	84	50	ug/L	SW846 8260B
Toluene	0.19 J	1.0	ug/L	SW846 8260B
MW507B/081704 08/17/04 09:25 009				
Benzene	0.23 J	1.0	ug/L	SW846 8260B
Carbon disulfide	0.48 J	1.0	ug/L	SW846 8260B
Toluene	0.37 J	1.0	ug/L	SW846 8260B
MW509A/081704 08/17/04 10:29 010				
Acetone	1.2 J	10	ug/L	SW846 8260B
Benzene	0.25 J	1.0	ug/L	SW846 8260B
2-Butanone	0.46 J	10	ug/L	SW846 8260B
1,2-Dichloroethane	0.30 J	1.0	ug/L	SW846 8260B
1,4-Dioxane	82	50	ug/L	SW846 8260B
Toluene	0.41 J	1.0	ug/L	SW846 8260B
MW509B/081704 08/17/04 10:31 011				
1,4-Dioxane	130	50	ug/L	SW846 8260B
Toluene	0.33 J	1.0	ug/L	SW846 8260B
MW508/081704 08/17/04 13:14 012				
cis-1,2-Dichloroethene	2.8	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	0.22 J	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	3.0	2.0	ug/L	SW846 8260B
1,4-Dioxane	1100	50	ug/L	SW846 8260B
Toluene	0.29 J	1.0	ug/L	SW846 8260B
MW508B/081704 08/17/04 13:41 013				
1,4-Dioxane	380	50	ug/L	SW846 8260B
Toluene	0.29 J	1.0	ug/L	SW846 8260B
Vinyl chloride	2.2	1.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4H180231

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW510A/081704 08/17/04 14:30 014				
Benzene	0.79 J	2.0	ug/L	SW846 8260B
Carbon disulfide	2.0	2.0	ug/L	SW846 8260B
Chlorobenzene	0.94 J	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	0.43 J	2.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	9.4	2.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	0.70 J	2.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	10	4.0	ug/L	SW846 8260B
1,4-Dioxane	1900	100	ug/L	SW846 8260B
Ethylbenzene	1.6 J	2.0	ug/L	SW846 8260B
Toluene	0.89 J	2.0	ug/L	SW846 8260B
Vinyl chloride	5.1	2.0	ug/L	SW846 8260B
Xylenes (total)	4.8	4.0	ug/L	SW846 8260B
MW510B/081704 08/17/04 14:46 015				
1,4-Dioxane	460	50	ug/L	SW846 8260B
Ethylbenzene	0.77 J	1.0	ug/L	SW846 8260B
Toluene	0.20 J	1.0	ug/L	SW846 8260B
Xylenes (total)	1.5 J	2.0	ug/L	SW846 8260B
FB01/081704 08/17/04 10:55 016				
Chloroform	2.4	1.0	ug/L	SW846 8260B
Chloromethane	0.31 J	1.0	ug/L	SW846 8260B
1,4-Dioxane	35 J	50	ug/L	SW846 8260B
Xylenes (total)	1.5 J	2.0	ug/L	SW846 8260B
TB02/081704 08/17/04 017				
Acetone	1.6 J	10	ug/L	SW846 8260B
2-Butanone	1.6 J	10	ug/L	SW846 8260B
Ethylbenzene	0.82 J	1.0	ug/L	SW846 8260B
Toluene	0.72 J	1.0	ug/L	SW846 8260B
Xylenes (total)	2.6	2.0	ug/L	SW846 8260B
INPUT/081704 08/17/04 14:00 018				
Acetone	29	10	ug/L	SW846 8260B
2-Butanone	4.2 J	10	ug/L	SW846 8260B
4-Methyl-2-pentanone	1.2 J	10	ug/L	SW846 8260B
Xylenes (total)	1.5 J	2.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4H180231

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
OUTPUT/081704 08/17/04 15:10 019				
Acetone	2.4 J	10	ug/L	SW846 8260B
Acetonitrile	140	20	ug/L	SW846 8260B
Bromoform	1.6	1.0	ug/L	SW846 8260B
Dibromochloromethane	0.31 J	1.0	ug/L	SW846 8260B
Xylenes (total)	1.5 J	2.0	ug/L	SW846 8260B

SEVERN TRENT STL

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A4H180231

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

A4H180231

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GNEHD	001	MW015B/081704	08/17/04	08:45
GNEJJ	002	MW018/081704	08/17/04	09:43
GNEJM	003	MW023/081704	08/17/04	09:50
GNEJN	004	MW026A/081704	08/17/04	11:28
GNEJP	005	MW027/081704	08/17/04	13:28
GNEJQ	006	MW024/081704	08/17/04	14:15
GNEJR	007	MW506/081704	08/17/04	08:20
GNEJV	008	MW507/081704	08/17/04	09:40
GNEJW	009	MW507B/081704	08/17/04	09:25
GNEJX	010	MW509A/081704	08/17/04	10:29
GNEJ0	011	MW509B/081704	08/17/04	10:31
GNEJ2	012	MW508/081704	08/17/04	13:14
GNEJ5	013	MW508B/081704	08/17/04	13:41
GNEJ8	014	MW510A/081704	08/17/04	14:30
GNEJ9	015	MW510B/081704	08/17/04	14:46
GNEKA	016	FB01/081704	08/17/04	10:55
GNEKD	017	TB02/081704	08/17/04	
GNEKM	018	INPUT/081704	08/17/04	14:00
GNEKN	019	OUTPUT/081704	08/17/04	15:10

NOTE(S):

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

SEVERN TRENT STL

SHIPPING AND RECEIVING DOCUMENTS

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: THE PAYNE FIRM	Project Manager: KEVIN KALLINI	Date: 8/17/04	Chain of Custody Number: 153791
Address: 11231 CORNELL PK. DR	Telephone Number (Area Code)/Fax Number: 513-489-2255/2533	Lab Number:	Page 1 of 2
City: CINCINNATI State: OH Zip Code: 45242	Site Contact: M. BACKHERM	Lab Contact: R. TOTH	
Project Name and Location (State): EMD RCRA VA, OHIO	Carrier/Waybill Number: STL CIN		
Contract/Purchase Order/Quote No.: 100.58.15			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC 8260	Special Instructions/ Conditions of Receipt
MW015B/081704	8/17/04	0845		X						3			X	— RESULTS TO
MW018/081704		0943		X						3			X	KEVIN KALLINI
MW023/081704		0950		X						3			X	
MW026A/081704		1128		X						3			X	
MW027/081704		1328		X						3			X	
MW024/081704		1415		X						3			X	
MW506/081704		0820		X						3			X	
MW507/081704		0940		X						3			X	
MW507B/081704		0925		X						3			X	
MW509A/081704		1029		X						3			X	
MW509B/081704		1031		X						3			X	
MW508/081704		1314		X						3			X	

Analysis (Attach list if more space is needed)

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

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

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

QC Requirements (Specify): LEVEL IV, APPENDIX IX LIST

1. Relinquished By: [signature]	Date: 8/17/04	Time: 1630	1. Received By: [signature]	Date: 8.17.04	Time: 1630
2. Relinquished By: [signature]	Date: 8/17/04	Time: 1700	2. Received By: [signature]	Date: 8-18-04	Time: 9:35
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments:

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

STL North Canton

17

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: THE PAYNE FIRM	Project Manager	Date: 8/17/04	Chain of Custody Number: 153790
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 2
City / State / Zip Code	Site Contact / Lab Contact		
Project Name and Location (State): EMD RCRA VA	Carrier/Waybill Number: STL CIN		
Contract/Purchase Order/Quote No.: 00.58.15			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOC 8260	Special Instructions/ Conditions of Receipt
MW 508 B / 081704	8/17/04	1341		X						3			X	- Results to
MW 510 A / 081704		1430		X						3			X	Kevin Kellam
MW 510 B / 081704		1446		X						3			X	
FB01 / 081704		1055		X						3			X	
TB 02 / 081704		—		X						2			X	
INPUT / 081704		1400		X						3			X	
OUTPUT / 081704		1510		X						3			X	

CSC 8/17/04

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

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

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

QC Requirements (Specify): LEVEL IV APPENDIX IX LIST

1. Relinquished By	Date 8/17/04	Time 1630	1. Received By	Date 8-17-04	Time 1630
2. Relinquished By	Date 8/17/04	Time 1700	2. Received By	Date 8-18-04	Time 8:35
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

STL North Canton

18

RSR280

Client: 5670

Lot #: A4H180231

Case Number/SDG: 100.58.15

Storage Location: MS

Severn Trent Laboratories, Inc.
Sample Control Record

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
GNEHD	MCDANIES	8/18/04	Yes		Storage	
GNEJJ	MCDANIES	8/18/04	Yes		Storage	
GNEJM	MCDANIES	8/18/04	Yes		Storage	
GNEJN	MCDANIES	8/18/04	Yes		Storage	
GNEJP	MCDANIES	8/18/04	Yes		Storage	
GNEJQ	MCDANIES	8/18/04	Yes		Storage	
GNEJR	MCDANIES	8/18/04	Yes		Storage	
GNEJV	MCDANIES	8/18/04	Yes		Storage	
GNEJW	MCDANIES	8/18/04	Yes		Storage	
GNEJX	MCDANIES	8/18/04	Yes		Storage	
GNEJ0	MCDANIES	8/18/04	Yes		Storage	
GNEJ2	MCDANIES	8/18/04	Yes		Storage	
GNEJ5	MCDANIES	8/18/04	Yes		Storage	
GNEJ8	MCDANIES	8/18/04	Yes		Storage	
GNEJ9	MCDANIES	8/18/04	Yes		Storage	
GNEKA	MCDANIES	8/18/04	Yes		Storage	
GNEKD	MCDANIES	8/18/04	Yes		Storage	
GNEKM	MCDANIES	8/18/04	Yes		Storage	
GNEKN	MCDANIES	8/18/04	Yes		Storage	

STL Cooler Receipt Form/Narrative **Lot Number:** 4414503
North Canton Facility

Client: Payne Firm Project: EMD RCRA VA Ohio Quote#:
Cooler Received on: 8-18-04 Opened on: 8-18-04 by: (Signature)

Fedx ☐ Client Drop Off ☐ UPS ☐ DHL ☒ FAS ☐ Other:
STL Cooler No# C1010 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 2.7 °C (see back of form for multiple coolers/temp)

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

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

Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐
Concerning:

√		

1. CHAIN OF CUSTODY

The following discrepancies occurred:

2. SAMPLE CONDITION

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

3. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot #052804-HNO3; Sulfuric Acid Lot # 011-504-H2SO4; Sodium Hydroxide Lot # -031804-NaOH; Hydrochloric Acid Lot # 100902-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*
Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials

SEVERN TRENT STL

GCMS VOLATILE DATA

SEVERN TRENT STL

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Lot #: A4H180231

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	INTRA-LAB QC	116	107	93	78	00
02	MW015B/081704	110	108	95	81	00
03	INTRA-LAB QC	111	105	95	80	00
04	MW018/081704	113	108	94	78	00
05	MW023/081704	107	101	98	83	00
06	MW026A/081704	113	106	96	81	00
07	MW027/081704	105	100	88	77	00
08	MW024/081704	113	107	93	77	00
09	MW506/081704	115	106	95	77	00
10	MW507/081704	111	108	96	77	00
11	MW507B/081704	115	110	88	76	00
12	MW509A/081704	114	108	96	79	00
13	MW509B/081704	111	107	95	77	00
14	MW508/081704	112	108	99	79	00
15	MW508B/081704	112	105	94	79	00
16	MW510A/081704	98	94	93	81	00
17	MW510B/081704	104	101	91	79	00
18	FB01/081704	102	100	88	77	00
19	TB02/081704	102	101	90	78	00
20	INPUT/081704	104	102	90	77	00
21	OUTPUT/081704	102	98	89	80	00
22	INTRA-LAB QC	98	96	94	80	00
23	METHOD BLK. GNX3X1AA	111	105	95	82	00
24	METHOD BLK. GNX4A1AA	108	104	97	80	00
25	METHOD BLK. GNX4R1AA	100	98	89	82	00
26	METHOD BLK. GN7MP1AA	98	95	90	78	00
27	LCS GNX3X1AC	100	99	103	101	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: 4H18231

Lot #: A4H180231

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	LCS GNX4A1AC	99	102	104	102	00
02	LCS GNX4R1AC	97	95	97	97	00
03	LCS GN7MP1AC	93	95	99	97	00
04	LAB MS/MSD D	103	102	104	101	00
05	LAB MS/MSD D	104	102	102	103	00
06	MW027/081704 D	99	100	97	96	00
07	LAB MS/MSD D	94	90	98	99	00
08	LCSD GNX3X1AD	101	104	104	104	00
09	LCSD GNX4A1AD	100	93	104	102	00
10	LCSD GNX4R1AD	98	100	95	92	00
11	LCSD GN7MP1AD	92	86	97	96	00
12	LAB MS/MSD S	103	105	104	103	00
13	LAB MS/MSD S	102	104	103	106	00
14	MW027/081704 S	98	94	99	95	00
15	LAB MS/MSD S	94	97	98	95	00

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

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

FORM II

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Lot #: A4H260000 WO #: GNX4R1AD
BATCH: 4239141

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	8.1	81	48- 123	
Bromomethane	10	7.6	76	64- 129	
Vinyl chloride	10	8.7	87	61- 120	
Chloroethane	10	8.0	80	66- 126	
Methylene chloride	10	10	104	78- 118	
Acetone	10	6.3	63	22- 200	
Carbon disulfide	10	9.6	96	73- 139	
1,1-Dichloroethene	10	10	105	63- 130	
1,1-Dichloroethane	10	10	102	86- 123	
1,2-Dichloroethene (total	20	20	102	82- 116	
Chloroform	10	10	102	84- 128	
1,2-Dichloroethane	10	10	103	79- 136	
2-Butanone	10	7.0	70	28- 237	
1,1,1-Trichloroethane	10	10	103	78- 140	
Carbon tetrachloride	10	10	102	75- 149	
Bromodichloromethane	10	11	105	87- 130	
1,2-Dichloropropane	10	10	101	82- 115	
cis-1,3-Dichloropropene	10	10	101	84- 130	
Trichloroethene	10	9.9	99	75- 122	
Dibromochloromethane	10	11	110	81- 138	
1,1,2-Trichloroethane	10	9.5	95	83- 122	
Benzene	10	10	101	80- 116	
trans-1,3-Dichloropropene	10	9.5	95	84- 130	
Bromoform	10	12	117	76- 150	
4-Methyl-2-pentanone	10	9.3	93	78- 141	
2-Hexanone	10	7.5	75	35- 200	
Tetrachloroethene	10	9.1	91	88- 113	
1,1,2,2-Tetrachloroethane	10	11	107	85- 118	
Toluene	10	10	102	74- 119	
Chlorobenzene	10	9.6	96	76- 117	
Ethylbenzene	10	9.0	90	86- 116	

(Continued on next page)

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Lot #: A4H260000 WO #: GNX4R1AD
BATCH: 4239141

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	8.9	89	85- 117	
Xylenes (total)	30	27	89	87- 116	
cis-1,2-Dichloroethene	10	10	100	85- 113	
trans-1,2-Dichloroethene	10	10	103	79- 120	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Lot #: A4H260000 WO #: GNX4R1AC
BATCH: 4239141

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloroform	10	9.7	97	84- 128	
1,2-Dichloroethane	10	9.9	99	79- 136	
2-Butanone	10	7.0	70	28- 237	
1,1,1-Trichloroethane	10	9.9	99	78- 140	
Carbon tetrachloride	10	10	101	75- 149	
Bromodichloromethane	10	11	105	87- 130	
1,2-Dichloropropane	10	9.8	98	82- 115	
cis-1,3-Dichloropropene	10	9.9	99	84- 130	
Trichloroethene	10	9.8	98	75- 122	
Dibromochloromethane	10	11	109	81- 138	
1,1,2-Trichloroethane	10	9.7	97	83- 122	
Benzene	10	9.9	99	80- 116	
trans-1,3-Dichloropropene	10	9.7	97	84- 130	
Bromoform	10	12	117	76- 150	
4-Methyl-2-pentanone	10	9.4	94	78- 141	
2-Hexanone	10	7.9	79	35- 200	
Tetrachloroethene	10	9.5	95	88- 113	
1,1,2,2-Tetrachloroethane	10	11	107	85- 118	
Toluene	10	10	103	74- 119	
Chlorobenzene	10	9.7	97	76- 117	
Ethylbenzene	10	9.0	90	86- 116	
Styrene	10	9.0	90	85- 117	
Xylenes (total)	30	27	92	87- 116	
cis-1,2-Dichloroethene	10	9.9	99	85- 113	
trans-1,2-Dichloroethene	10	10	101	79- 120	
Chloromethane	10	8.0	80	48- 123	
Bromomethane	10	7.4	74	64- 129	
Vinyl chloride	10	8.3	83	61- 120	
Chloroethane	10	8.0	80	66- 126	
Methylene chloride	10	9.8	98	78- 118	
Acetone	10	6.0	60	22- 200	

(Continued on next page)

SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Lot #: A4H260000 WO #: GNX4R1AC
BATCH: 4239141

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Carbon disulfide	10	9.4	94	73- 139	
1,1-Dichloroethene	10	10	102	63- 130	
1,1-Dichloroethane	10	10	101	86- 123	
1,2-Dichloroethene (total	20	20	100	82- 116	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Lot #: A4H300000 WO #: GN7MP1AC
BATCH: 4243253

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	7.0	70	48- 123	
Bromomethane	10	6.9	69	64- 129	
Vinyl chloride	10	7.6	76	61- 120	
Chloroethane	10	7.5	75	66- 126	
Methylene chloride	10	9.0	90	78- 118	
Acetone	10	5.0	50	22- 200	
Carbon disulfide	10	8.8	88	73- 139	
1,1-Dichloroethene	10	9.7	97	63- 130	
1,1-Dichloroethane	10	9.8	98	86- 123	
1,2-Dichloroethene (total	20	20	98	82- 116	
Chloroform	10	9.7	97	84- 128	
1,2-Dichloroethane	10	9.7	97	79- 136	
2-Butanone	10	6.6	66	28- 237	
1,1,1-Trichloroethane	10	9.7	97	78- 140	
Carbon tetrachloride	10	9.8	98	75- 149	
Bromodichloromethane	10	10	101	87- 130	
1,2-Dichloropropane	10	9.7	97	82- 115	
cis-1,3-Dichloropropene	10	9.5	95	84- 130	
Trichloroethene	10	9.3	93	75- 122	
Dibromochloromethane	10	11	112	81- 138	
1,1,2-Trichloroethane	10	9.6	96	83- 122	
Benzene	10	9.6	96	80- 116	
trans-1,3-Dichloropropene	10	9.7	97	84- 130	
Bromoform	10	12	122	76- 150	
4-Methyl-2-pentanone	10	8.9	89	78- 141	
2-Hexanone	10	7.5	75	35- 200	
Tetrachloroethene	10	9.3	93	88- 113	
1,1,2,2-Tetrachloroethane	10	11	113	85- 118	
Toluene	10	10	103	74- 119	
Chlorobenzene	10	9.9	99	76- 117	
Ethylbenzene	10	9.2	92	86- 116	

(Continued on next page)

SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Lot #: A4H300000 WO #: GN7MP1AC
BATCH: 4243253

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.2	92	85- 117	
Xylenes (total)	30	27	89	87- 116	
cis-1,2-Dichloroethene	10	9.6	96	85- 113	
trans-1,2-Dichloroethene	10	10	100	79- 120	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Lot #: A4H300000 WO #: GN7MP1AD
BATCH: 4243253

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	6.7	67	48- 123	
Bromomethane	10	6.9	69	64- 129	
Vinyl chloride	10	7.0	70	61- 120	
Chloroethane	10	7.2	72	66- 126	
Methylene chloride	10	9.0	90	78- 118	
Acetone	10	4.7	47	22- 200	
Carbon disulfide	10	8.6	86	73- 139	
1,1-Dichloroethene	10	9.8	98	63- 130	
1,1-Dichloroethane	10	9.5	95	86- 123	
1,2-Dichloroethene (total	20	19	96	82- 116	
Chloroform	10	9.4	94	84- 128	
1,2-Dichloroethane	10	9.6	96	79- 136	
2-Butanone	10	6.4	64	28- 237	
1,1,1-Trichloroethane	10	9.6	96	78- 140	
Carbon tetrachloride	10	9.7	97	75- 149	
Bromodichloromethane	10	10	100	87- 130	
1,2-Dichloropropane	10	9.4	94	82- 115	
cis-1,3-Dichloropropene	10	9.5	95	84- 130	
Trichloroethene	10	9.4	94	75- 122	
Dibromochloromethane	10	11	111	81- 138	
1,1,2-Trichloroethane	10	9.7	97	83- 122	
Benzene	10	9.4	94	80- 116	
trans-1,3-Dichloropropene	10	9.7	97	84- 130	
Bromoform	10	12	123	76- 150	
4-Methyl-2-pentanone	10	8.5	85	78- 141	
2-Hexanone	10	7.3	73	35- 200	
Tetrachloroethene	10	9.9	99	88- 113	
1,1,2,2-Tetrachloroethane	10	11	111	85- 118	
Toluene	10	10	103	74- 119	
Chlorobenzene	10	9.8	98	76- 117	
Ethylbenzene	10	8.8	88	86- 116	

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SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Lot #: A4H300000 WO #: GN7MP1AD
BATCH: 4243253

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.0	90	85- 117	
Xylenes (total)	30	27	91	87- 116	
cis-1,2-Dichloroethene	10	9.5	95	85- 113	
trans-1,2-Dichloroethene	10	9.6	96	79- 120	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Lot #: A4H260000 WO #: GNX3X1AC
BATCH: 4239131

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	7.4	74	48- 123	
Bromomethane	10	12	123	64- 129	
Vinyl chloride	10	10	101	61- 120	
Chloroethane	10	12	119	66- 126	
Methylene chloride	10	11	106	78- 118	
Acetone	10	5.8	58	22- 200	
Carbon disulfide	10	11	114	73- 139	
1,1-Dichloroethene	10	10	101	63- 130	
1,1-Dichloroethane	10	10	102	86- 123	
1,2-Dichloroethene (total	20	20	102	82- 116	
Chloroform	10	10	104	84- 128	
1,2-Dichloroethane	10	10	102	79- 136	
2-Butanone	10	7.2	72	28- 237	
1,1,1-Trichloroethane	10	11	111	78- 140	
Carbon tetrachloride	10	12	120	75- 149	
Bromodichloromethane	10	11	108	87- 130	
1,2-Dichloropropane	10	10	103	82- 115	
cis-1,3-Dichloropropene	10	9.8	98	84- 130	
Trichloroethene	10	9.8	98	75- 122	
Dibromochloromethane	10	12	117	81- 138	
1,1,2-Trichloroethane	10	10	100	83- 122	
Benzene	10	9.8	98	80- 116	
trans-1,3-Dichloropropene	10	9.9	99	84- 130	
Bromoform	10	12	122	76- 150	
4-Methyl-2-pentanone	10	8.0	80	78- 141	
2-Hexanone	10	6.6	66	35- 200	
Tetrachloroethene	10	10	102	88- 113	
1,1,2,2-Tetrachloroethane	10	10	100	85- 118	
Toluene	10	10	104	74- 119	
Chlorobenzene	10	9.8	98	76- 117	
Ethylbenzene	10	10	103	86- 116	

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SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Lot #: A4H260000 WO #: GNX3X1AC
BATCH: 4239131

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.6	96	85- 117	
Xylenes (total)	30	31	105	87- 116	
cis-1,2-Dichloroethene	10	10	101	85- 113	
trans-1,2-Dichloroethene	10	10	103	79- 120	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Lot #: A4H260000 WO #: GNX3X1AD
BATCH: 4239131

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	7.9	79	48- 123	
Bromomethane	10	13	135*	64- 129	a
Vinyl chloride	10	11	115	61- 120	
Chloroethane	10	13	127*	66- 126	a
Methylene chloride	10	11	110	78- 118	
Acetone	10	5.7	57	22- 200	
Carbon disulfide	10	12	122	73- 139	
1,1-Dichloroethene	10	11	111	63- 130	
1,1-Dichloroethane	10	11	112	86- 123	
1,2-Dichloroethene (total	20	22	108	82- 116	
Chloroform	10	11	108	84- 128	
1,2-Dichloroethane	10	11	105	79- 136	
2-Butanone	10	7.1	71	28- 237	
1,1,1-Trichloroethane	10	12	123	78- 140	
Carbon tetrachloride	10	13	131	75- 149	
Bromodichloromethane	10	12	116	87- 130	
1,2-Dichloropropane	10	11	107	82- 115	
cis-1,3-Dichloropropene	10	10	104	84- 130	
Trichloroethene	10	11	112	75- 122	
Dibromochloromethane	10	12	120	81- 138	
1,1,2-Trichloroethane	10	10	102	83- 122	
Benzene	10	11	107	80- 116	
trans-1,3-Dichloropropene	10	11	105	84- 130	
Bromoform	10	12	124	76- 150	
4-Methyl-2-pentanone	10	8.0	80	78- 141	
2-Hexanone	10	6.8	68	35- 200	
Tetrachloroethene	10	11	110	88- 113	
1,1,2,2-Tetrachloroethane	10	10	103	85- 118	
Toluene	10	11	112	74- 119	
Chlorobenzene	10	10	104	76- 117	
Ethylbenzene	10	11	110	86- 116	

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SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Lot #: A4H260000 WO #: GNX3X1AD
BATCH: 4239131

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	10	102	85- 117	
Xylenes (total)	30	34	114	87- 116	
cis-1,2-Dichloroethene	10	10	103	85- 113	
trans-1,2-Dichloroethene	10	11	114	79- 120	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 2 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Lot #: A4H260000 WO #: GNX4A1AC
BATCH: 4239136

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	7.8	78	48- 123	
Bromomethane	10	13	131*	64- 129	a
Vinyl chloride	10	12	116	61- 120	
Chloroethane	10	12	124	66- 126	
Methylene chloride	10	9.8	98	78- 118	
Acetone	10	5.4	54	22- 200	
Carbon disulfide	10	12	120	73- 139	
1,1-Dichloroethene	10	11	111	63- 130	
1,1-Dichloroethane	10	11	107	86- 123	
1,2-Dichloroethene (total	20	22	108	82- 116	
Chloroform	10	11	107	84- 128	
1,2-Dichloroethane	10	10	105	79- 136	
2-Butanone	10	7.1	71	28- 237	
1,1,1-Trichloroethane	10	12	119	78- 140	
Carbon tetrachloride	10	13	129	75- 149	
Bromodichloromethane	10	11	110	87- 130	
1,2-Dichloropropane	10	10	104	82- 115	
cis-1,3-Dichloropropene	10	9.9	99	84- 130	
Trichloroethene	10	11	106	75- 122	
Dibromochloromethane	10	12	117	81- 138	
1,1,2-Trichloroethane	10	9.9	99	83- 122	
Benzene	10	10	104	80- 116	
trans-1,3-Dichloropropene	10	10	100	84- 130	
Bromoform	10	12	121	76- 150	
4-Methyl-2-pentanone	10	8.3	83	78- 141	
2-Hexanone	10	6.3	63	35- 200	
Tetrachloroethene	10	11	106	88- 113	
1,1,2,2-Tetrachloroethane	10	10	104	85- 118	
Toluene	10	11	110	74- 119	
Chlorobenzene	10	9.9	99	76- 117	
Ethylbenzene	10	11	106	86- 116	

(Continued on next page)

SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Lot #: A4H260000 WO #: GNX4A1AC
BATCH: 4239136

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.8	98	85- 117	
Xylenes (total)	30	33	109	87- 116	
cis-1,2-Dichloroethene	10	11	105	85- 113	
trans-1,2-Dichloroethene	10	11	110	79- 120	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 1 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Lot #: A4H260000 WO #: GNX4A1AD
BATCH: 4239136

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	7.6	76	48- 123	
Bromomethane	10	13	128	64- 129	
Vinyl chloride	10	12	119	61- 120	
Chloroethane	10	12	124	66- 126	
Methylene chloride	10	9.1	91	78- 118	
Acetone	10	4.9	49	22- 200	
Carbon disulfide	10	12	117	73- 139	
1,1-Dichloroethene	10	11	109	63- 130	
1,1-Dichloroethane	10	10	104	86- 123	
1,2-Dichloroethene (total	20	20	102	82- 116	
Chloroform	10	10	103	84- 128	
1,2-Dichloroethane	10	10	101	79- 136	
2-Butanone	10	6.9	69	28- 237	
1,1,1-Trichloroethane	10	12	115	78- 140	
Carbon tetrachloride	10	13	127	75- 149	
Bromodichloromethane	10	11	106	87- 130	
1,2-Dichloropropane	10	9.8	98	82- 115	
cis-1,3-Dichloropropene	10	9.9	99	84- 130	
Trichloroethene	10	10	105	75- 122	
Dibromochloromethane	10	11	114	81- 138	
1,1,2-Trichloroethane	10	9.7	97	83- 122	
Benzene	10	10	100	80- 116	
trans-1,3-Dichloropropene	10	9.9	99	84- 130	
Bromoform	10	12	116	76- 150	
4-Methyl-2-pentanone	10	7.6	76*	78- 141	a
2-Hexanone	10	6.6	66	35- 200	
Tetrachloroethene	10	11	106	88- 113	
1,1,2,2-Tetrachloroethane	10	9.6	96	85- 118	
Toluene	10	11	107	74- 119	
Chlorobenzene	10	9.8	98	76- 117	
Ethylbenzene	10	10	104	86- 116	

(Continued on next page)

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Lot #: A4H260000 WO #: GNX4A1AD
BATCH: 4239136

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.6	96	85- 117	
Xylenes (total)	30	32	107	87- 116	
cis-1,2-Dichloroethene	10	9.8	98	85- 113	
trans-1,2-Dichloroethene	10	11	105	79- 120	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 1 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Matrix Spike ID: MW027/081704

Lot #: A4H180231 WO #: GNEJP1AC
BATCH: 4239141

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	10000	ND	9000	90	62- 130	
Chloromethane	10000	ND	7700	77	40- 137	
Bromomethane	10000	ND	6900	69	55- 145	
Vinyl chloride	10000	890	8000	72*	88- 126	a
Chloroethane	10000	ND	7600	76	59- 142	
Methylene chloride	10000	500	9100	86	82- 115	
Acetone	10000	ND	5500	55	45- 128	
Carbon disulfide	10000	ND	8200	82	69- 138	
1,1-Dichloroethane	10000	ND	9200	92	88- 127	
1,2-Dichloroethene (total	20000	4300	23000	92	86- 115	
Chloroform	10000	260	9300	90	83- 141	
1,2-Dichloroethane	10000	1000	10000	93	71- 160	
2-Butanone	10000	ND	7500	75	71- 123	
1,1,1-Trichloroethane	10000	ND	8700	87	71- 162	
Carbon tetrachloride	10000	ND	8400	84	63- 176	
Bromodichloromethane	10000	ND	9400	94	80- 146	
1,2-Dichloropropane	10000	ND	9300	93	87- 114	
cis-1,3-Dichloropropene	10000	ND	8700	87	82- 130	
Trichloroethene	10000	13000	21000	80	62- 130	
Dibromochloromethane	10000	ND	10000	101	71- 158	
1,1,2-Trichloroethane	10000	ND	9200	92	86- 129	
Benzene	10000	430	9200	88	78- 118	
trans-1,3-Dichloropropene	10000	ND	8900	89	73- 147	
Bromoform	10000	ND	11000	106	58- 176	
4-Methyl-2-pentanone	10000	ND	9100	91	82- 135	
2-Hexanone	10000	ND	7800	78*	81- 128	a
Tetrachloroethene	10000	ND	7800	78*	85- 121	a
1,1,2,2-Tetrachloroethane	10000	ND	10000	104	88- 116	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Matrix Spike ID: MW027/081704

Lot #: A4H180231 WO #: GNEJP1AC
BATCH: 4239141

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Toluene	10000	ND	9000	90	70- 119	
Chlorobenzene	10000	ND	8600	86	76- 117	
Ethylbenzene	10000	ND	7600	76*	86- 132	a
Styrene	10000	ND	7800	78*	83- 120	a
Xylenes (total)	30000	ND	23000	77*	89- 121	a
cis-1,2-Dichloroethene	10000	4300	13000	91	87- 114	
trans-1,2-Dichloroethene	10000	ND	9300	93	85- 116	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

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

RPD: 0 out of 0 outside limits
Spike Recovery: 6 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Matrix Spike ID: MW027/081704

Lot #: A4H180231 WO #: GNEJP1AD
BATCH: 4239141

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	10000	9900	99	9.2	20	62- 130	
Chloromethane	10000	7800	78	1.6	39	40- 137	
Bromomethane	10000	7400	74	6.1	30	55- 145	
Vinyl chloride	10000	8700	78*	7.7	30	88- 126	a
Chloroethane	10000	8100	81	6.0	30	59- 142	
Methylene chloride	10000	9600	91	5.5	30	82- 115	
Acetone	10000	6400	64	14	30	45- 128	
Carbon disulfide	10000	9000	90	8.9	41	69- 138	
1,1-Dichloroethane	10000	10000	101	9.1	30	88- 127	
1,2-Dichloroethene (total	20000	25000	102	8.7	30	86- 115	
Chloroform	10000	10000	98	7.7	30	83- 141	
1,2-Dichloroethane	10000	11000	101	6.9	30	71- 160	
2-Butanone	10000	7300	73	2.5	30	71- 123	
1,1,1-Trichloroethane	10000	9400	94	7.8	30	71- 162	
Carbon tetrachloride	10000	9400	94	11	30	63- 176	
Bromodichloromethane	10000	10000	104	10	30	80- 146	
1,2-Dichloropropane	10000	10000	103	9.9	30	87- 114	
cis-1,3-Dichloropropene	10000	9700	97	11	30	82- 130	
Trichloroethene	10000	21000	77	1.7	20	62- 130	
Dibromochloromethane	10000	11000	109	7.6	30	71- 158	
1,1,2-Trichloroethane	10000	9600	96	4.2	30	86- 129	
Benzene	10000	10000	97	9.4	20	78- 118	
trans-1,3-Dichloropropene	10000	9500	95	7.1	30	73- 147	
Bromoform	10000	12000	115	8.0	30	58- 176	
4-Methyl-2-pentanone	10000	9300	93	2.5	30	82- 135	
2-Hexanone	10000	7400	74*	4.7	30	81- 128	a
Tetrachloroethene	10000	8100	81*	4.3	30	85- 121	a
1,1,2,2-Tetrachloroethane	10000	11000	110	6.4	30	88- 116	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H18231

Matrix Spike ID: MW027/081704

Lot #: A4H180231 WO #: GNEJP1AD
BATCH: 4239141

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Toluene	10000	9600	96	6.9	20	70 - 119	
Chlorobenzene	10000	9200	92	6.0	20	76 - 117	
Ethylbenzene	10000	8200	82*	7.8	30	86 - 132	a
Styrene	10000	8300	83	5.6	30	83 - 120	
Xylenes (total)	30000	25000	82*	6.4	30	89 - 121	a
cis-1,2-Dichloroethene	10000	14000	102	8.2	30	87 - 114	
trans-1,2-Dichloroethene	10000	10000	103	9.4	30	85 - 116	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

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

RPD: 0 out of 35 outside limits
Spike Recovery: 5 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.

GNX4R1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4H18231

Lab File ID: UX79246.D

Lot Number: A4H180231

Date Analyzed: 08/25/04

Time Analyzed: 23:09

Matrix: WATER

Date Extracted:08/25/04

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	MW027/081704	GNEJP1AA	UX79261.D	08/26/04	04:56
02	MW027/081704	GNEJP1AC S	UX79262.D	08/26/04	05:19
03	MW027/081704	GNEJP1AD D	UX79263.D	08/26/04	05:43
04	MW510B/081704	GNEJ91AA	UX79265.D	08/26/04	06:29
05	FB01/081704	GNEKA1AA	UX79266.D	08/26/04	06:53
06	TB02/081704	GNEKD1AA	UX79267.D	08/26/04	07:16
07	INPUT/081704	GNEKM1AA	UX79268.D	08/26/04	07:39
08	OUTPUT/081704	GNEKN1AA	UX79269.D	08/26/04	08:02
09	CHECK SAMPLE	GNX4R1AC C	UX79244.D	08/25/04	22:22
10	DUPLICATE CHECK	GNX4R1AD L	UX79245.D	08/25/04	22:46
11					
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COMMENTS:

FORM IV

BLANK WORKORDER NO.

GN7MP1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4H18231

Lab File ID: UX79336.D

Lot Number: A4H180231

Date Analyzed: 08/27/04

Time Analyzed: 21:39

Matrix: WATER

Date Extracted:08/27/04

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/081704	GNEJ81AA	UX79339.D	08/27/04	22:49
02	INTRA-LAB QC	GNG5P1AA	UX79348.D	08/28/04	02:19
03	LAB MS/MSD	GNG5P1AC S	UX79349.D	08/28/04	02:42
04	LAB MS/MSD	GNG5P1AD D	UX79350.D	08/28/04	03:06
05	CHECK SAMPLE	GN7MP1AC C	UX79334.D	08/27/04	20:52
06	DUPLICATE CHECK	GN7MP1AD L	UX79335.D	08/27/04	21:16
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COMMENTS:

FORM IV

BLANK WORKORDER NO.

GNX3X1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4H18231

Lab File ID: UXJ23366.

Lot Number: A4H180231

Date Analyzed: 08/25/04

Time Analyzed: 10:13

Matrix: WATER

Date Extracted:08/25/04

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	INTRA-LAB QC	GNEHK1AA	UXJ23382.	08/25/04	16:32
02	LAB MS/MSD	GNEHK1AC S	UXJ23383.	08/25/04	16:55
03	LAB MS/MSD	GNEHK1AD D	UXJ23384.	08/25/04	17:18
04	MW508/081704	GNEJ21AA	UXJ23389.	08/25/04	19:12
05	MW508B/081704	GNEJ51AA	UXJ23390.	08/25/04	19:35
06	CHECK SAMPLE	GNX3X1AC C	UXJ23364.	08/25/04	09:27
07	DUPLICATE CHECK	GNX3X1AD L	UXJ23365.	08/25/04	09:50
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COMMENTS:

FORM IV

BLANK WORKORDER NO.

GNX4A1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4H18231

Lab File ID: UXJ23396.

Lot Number: A4H180231

Date Analyzed: 08/25/04

Time Analyzed: 22:36

Matrix: WATER

Date Extracted:08/25/04

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	INTRA-LAB QC	GNA5J1AA	UXJ23405.	08/26/04	02:00
02	LAB MS/MSD	GNA5J1AV S	UXJ23406.	08/26/04	02:22
03	LAB MS/MSD	GNA5J1AW D	UXJ23407.	08/26/04	02:45
04	MW015B/081704	GNEHD1AA	UXJ23409.	08/26/04	03:30
05	MW018/081704	GNEJJ1AA	UXJ23410.	08/26/04	03:53
06	MW023/081704	GNEJM1AA	UXJ23411.	08/26/04	04:16
07	MW026A/081704	GNEJN1AA	UXJ23412.	08/26/04	04:38
08	MW024/081704	GNEJQ1AA	UXJ23413.	08/26/04	05:01
09	MW506/081704	GNEJR1AA	UXJ23414.	08/26/04	05:24
10	MW507/081704	GNEJV1AA	UXJ23415.	08/26/04	05:47
11	MW507B/081704	GNEJW1AA	UXJ23416.	08/26/04	06:10
12	MW509A/081704	GNEJX1AA	UXJ23417.	08/26/04	06:33
13	MW509B/081704	GNEJ01AA	UXJ23418.	08/26/04	06:56
14	CHECK SAMPLE	GNX4A1AC C	UXJ23393.	08/25/04	21:03
15	DUPLICATE CHECK	GNX4A1AD L	UXJ23395.	08/25/04	22:13
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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.: A4H180231

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	5.0NGA9CAL	UX77660	07/15/04	1234
02	VSTD002	10NGA9CAL	UX77661	07/15/04	1258
03	VSTD005	25NGA9CAL	UX77662	07/15/04	1321
04	VSTD010	50NGA9CAL	UX77663	07/15/04	1409
05	VSTD020	100NGA9CAL	UX77664	07/15/04	1433
06	VSTD040	200NGA9CAL	UX77665	07/15/04	1456
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22					

page 1 of 1

FORM V VOA 1/87 Rev.

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.: A4H180231

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

Instrument ID: A3UX7 BFB Injection Time: 0756

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.9
75	30.0 - 60.0% of mass 95	53.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.3 (0.5)1
174	50.0 - 100.0% of mass 95	61.6
175	5.0 - 9.0% of mass 174	4.8 (7.9)1
176	Greater than 95.0%, but less than 101.0% of mass 174	58.9 (95.6)1
177	5.0 - 9.0% of mass 176	3.8 (6.4)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	5NG8260CAL	UX79038	08/21/04	0818
02	VSTD002	10NG8260CAL	UX79039	08/21/04	0841
03	VSTD005	25NG8260CAL	UX79040	08/21/04	0904
04	VSTD010	50NG8260CAL	UX79041	08/21/04	0927
05	VSTD020	100NG8260CAL	UX79042	08/21/04	0950
06	VSTD040	200NG8260CAL	UX79043	08/21/04	1014
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5A

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

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A4H180231

Lab File ID: BFB387 BFB Injection Date: 08/25/04

Instrument ID: A3UX7 BFB Injection Time: 2113

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	22.7
75	30.0 - 60.0% of mass 95	53.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.5 (0.7)1
174	50.0 - 100.0% of mass 95	63.3
175	5.0 - 9.0% of mass 174	5.6 (8.8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	60.4 (95.4)1
177	5.0 - 9.0% of mass 176	4.3 (7.1)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	50NGA9-CC	50NGA9-CC	UX79242	08/25/04	2136
02	50NG-CC	50NG-CC	UX79243	08/25/04	2159
03	GNX4RCHK	GNX4R1AC	UX79244	08/25/04	2222
04	GNX4RCHKDUP	GNX4R1AD	UX79245	08/25/04	2246
05	GNX4RBLK	GNX4R1AA	UX79246	08/25/04	2309
06	MW027/081704	GNEJP1AA	UX79261	08/26/04	0456
07	GNEJPMS	GNEJP1AC	UX79262	08/26/04	0519
08	GNEJPMSD	GNEJP1AD	UX79263	08/26/04	0543
09	MW510A/08170	GNEJ81AA	UX79264	08/26/04	0606
10	MW510B/08170	GNEJ91AA	UX79265	08/26/04	0629
11	FB01/081704	GNEKA1AA	UX79266	08/26/04	0653
12	TB02/081704	GNEKD1AA	UX79267	08/26/04	0716
13	INPUT/081704	GNEKM1AA	UX79268	08/26/04	0739
14	OUTPUT/08170	GNEKN1AA	UX79269	08/26/04	0802
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FORM V VOA 1/87 Rev.

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.: A4H180231

Lab File ID: BFB390 BFB Injection Date: 08/27/04

Instrument ID: A3UX7 BFB Injection Time: 1943

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.2
75	30.0 - 60.0% of mass 95	57.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.4
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	4.6 (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	4.3 (7.1)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	UX79332	08/27/04	2006
02	VSTD010	50NG-CC	UX79333	08/27/04	2029
03	GN7MP-CHK	GN7MP1AC	UX79334	08/27/04	2052
04	GN7MP-CKDUP	GN7MP1AD	UX79335	08/27/04	2116
05	GN7MP-BLK	GN7MP1AA	UX79336	08/27/04	2139
06	MW510A/08170	GNEJ81AA	UX79339	08/27/04	2249
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FORM V VOA 1/87 Rev.

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.: A4H180231

Lab File ID: BFB207 BFB Injection Date: 08/16/04

Instrument ID: A3UX11 BFB Injection Time: 1309

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.8
75	30.0 - 60.0% of mass 95	44.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.7 (0.8)1
174	50.0 - 100.0% of mass 95	81.3
175	5.0 - 9.0% of mass 174	6.1 (7.5)1
176	Greater than 95.0%, but less than 101.0% of mass 174	78.9 (97.1)1
177	5.0 - 9.0% of mass 176	5.0 (6.4)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD040	200NG-A9IC	UXJ23209	08/16/04	1618
02	VSTD020	100NG-A9IC	UXJ23210	08/16/04	1640
03	VSTD010	50NG-A9IC	UXJ23211	08/16/04	1703
04	VSTD005	25NG-A9IC	UXJ23212	08/16/04	1726
05	VSTD002	10NG-A9IC	UXJ23213	08/16/04	1748
06	VSTD001	5NG-A9IC	UXJ23214	08/16/04	1811
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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.: A4H180231

Lab File ID: BFB211 BFB Injection Date: 08/23/04

Instrument ID: A3UX11 BFB Injection Time: 1550

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.8
75	30.0 - 60.0% of mass 95	48.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.6 (0.8)1
174	50.0 - 100.0% of mass 95	82.2
175	5.0 - 9.0% of mass 174	6.1 (7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	80.0 (97.4)1
177	5.0 - 9.0% of mass 176	5.2 (6.5)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD040	200NG-IC	UXJ23274	08/23/04	1617
02	VSTD020	100NG-IC	UXJ23275	08/23/04	1639
03	VSTD010	50NG-IC	UXJ23276	08/23/04	1702
04	VSTD005	25NG-IC	UXJ23277	08/23/04	1724
05	VSTD002	10NG-IC	UXJ23278	08/23/04	1747
06	VSTD001	5NG-IC	UXJ23279	08/23/04	1810
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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.: A4H180231

Lab File ID: BFB214 BFB Injection Date: 08/25/04

Instrument ID: A3UX11 BFB Injection Time: 0754

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.4
75	30.0 - 60.0% of mass 95	49.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.8
173	Less than 2.0% of mass 174	0.2 (0.5)1
174	50.0 - 100.0% of mass 95	55.8
175	5.0 - 9.0% of mass 174	3.9 (6.9)1
176	Greater than 95.0%, but less than 101.0% of mass 174	55.6 (99.6)1
177	5.0 - 9.0% of mass 176	3.7 (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	50NG-A9CC	UXJ23362	08/25/04	0841
02	VSTD010	50NG-CC	UXJ23363	08/25/04	0904
03	GNX3X-CHK	GNX3X1AC	UXJ23364	08/25/04	0927
04	GNX3X-CKDUP	GNX3X1AD	UXJ23365	08/25/04	0950
05	GNX3X-BLK	GNX3X1AA	UXJ23366	08/25/04	1013
06	MW508/081704	GNEJ21AA	UXJ23389	08/25/04	1912
07	MW508B/08170	GNEJ51AA	UXJ23390	08/25/04	1935
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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.: A4H180231

Lab File ID: BFB215 BFB Injection Date: 08/25/04

Instrument ID: A3UX11 BFB Injection Time: 1954

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.2
75	30.0 - 60.0% of mass 95	50.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.5 (0.6)1
174	50.0 - 100.0% of mass 95	76.6
175	5.0 - 9.0% of mass 174	5.0 (6.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	73.2 (95.5)1
177	5.0 - 9.0% of mass 176	4.6 (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	VSTD010	50NG-A9CC	UXJ23392	08/25/04	2040
02	GNX4A-CHK	GNX4A1AC	UXJ23393	08/25/04	2103
03	VSTD010	50NG-CC	UXJ23394	08/25/04	2139
04	GNX4A-CKDUP	GNX4A1AD	UXJ23395	08/25/04	2213
05	GNX4A-BLK	GNX4A1AA	UXJ23396	08/25/04	2236
06	MW015B/08170	GNEHD1AA	UXJ23409	08/26/04	0330
07	MW018/081704	GNEJJ1AA	UXJ23410	08/26/04	0353
08	MW023/081704	GNEJM1AA	UXJ23411	08/26/04	0416
09	MW026A/08170	GNEJN1AA	UXJ23412	08/26/04	0438
10	MW024/081704	GNEJQ1AA	UXJ23413	08/26/04	0501
11	MW506/081704	GNEJR1AA	UXJ23414	08/26/04	0524
12	MW507/081704	GNEJV1AA	UXJ23415	08/26/04	0547
13	MW507B/08170	GNEJW1AA	UXJ23416	08/26/04	0610
14	MW509A/08170	GNEJX1AA	UXJ23417	08/26/04	0633
15	MW509B/08170	GNEJ01AA	UXJ23418	08/26/04	0656
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VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A4H180231

Lab File ID (Standard): UX79243 Date Analyzed: 08/25/04

Instrument ID: A3UX7 Time Analyzed: 2159

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	612717	7.57	858661	4.95	278948	9.79
	UPPER LIMIT	1225434	8.07	1717322	5.45	557896	10.29
	LOWER LIMIT	306359	7.07	429331	4.45	139474	9.29
	EPA SAMPLE NO.						
01	GNX4RCHK	617697	7.57	903960	4.95	257740	9.79
02	GNX4RCHKDUP	630628	7.57	875047	4.95	251987	9.79
03	GNX4RBLK	589645	7.57	815399	4.95	223227	9.79
04	MW027/081704	562660	7.57	760607	4.95	199989	9.79
05	GNEJPMS	572301	7.58	828421	4.95	233132	9.79
06	GNEJPMSD	594142	7.57	836657	4.95	234095	9.79
07	MW510B/08170	569909	7.57	778840	4.95	211249	9.79
08	FB01/081704	569202	7.57	774905	4.95	204345	9.79
09	TB02/081704	551410	7.57	758855	4.95	207705	9.79
10	INPUT/081704	545431	7.57	774343	4.96	205057	9.79
11	OUTPUT/08170	554560	7.57	777758	4.95	211886	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.

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VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A4H180231

Lab File ID (Standard): UX79333 Date Analyzed: 08/27/04

Instrument ID: A3UX7 Time Analyzed: 2029

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	579090	7.57	870722	4.95	253033	9.79
	UPPER LIMIT	1158180	8.07	1741444	5.45	506066	10.29
	LOWER LIMIT	289545	7.07	435361	4.45	126517	9.29
	EPA SAMPLE NO.						
01	GN7MP-CHK	618436	7.57	921922	4.96	243577	9.80
02	GN7MP-CKDUP	613561	7.57	931596	4.95	244394	9.79
03	GN7MP-BLK	582659	7.57	859366	4.95	199294	9.79
04	MW510A/08170	583253	7.57	870068	4.96	209731	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.

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VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A4H180231

Lab File ID (Standard): UXJ23363 Date Analyzed: 08/25/04

Instrument ID: A3UX11 Time Analyzed: 0904

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	1453548	7.74	1863128	5.09	848687	9.96
	UPPER LIMIT	2907096	8.24	3726256	5.59	1697374	10.46
	LOWER LIMIT	726774	7.24	931564	4.59	424344	9.46
	EPA SAMPLE NO.						
01	GNX3X-CHK	1474907	7.74	1899240	5.09	756111	9.96
02	GNX3X-CKDUP	1450497	7.74	1867724	5.09	753809	9.96
03	GNX3X-BLK	1354462	7.74	1692407	5.09	608808	9.96
04	MW508/081704	1278686	7.74	1601600	5.09	591296	9.96
05	MW508B/08170	1308549	7.74	1588295	5.09	597431	9.96
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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.: A4H180231

Lab File ID (Standard): UXJ23394 Date Analyzed: 08/25/04

Instrument ID: A3UX11 Time Analyzed: 2139

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	1437856	7.73	1868236	5.09	832228	9.96
	UPPER LIMIT	2875712	8.23	3736472	5.59	1664456	10.46
	LOWER LIMIT	718928	7.23	934118	4.59	416114	9.46
	EPA SAMPLE NO.						
01	GNX4A-CHK	1405957	7.74	1793984	5.09	725806	9.96
02	GNX4A-CKDUP	1449720	7.73	1885021	5.09	772061	9.96
03	GNX4A-BLK	1351592	7.74	1687339	5.09	604765	9.96
04	MW015B/08170	1241717	7.74	1584389	5.09	557612	9.96
05	MW018/081704	1258617	7.74	1548060	5.09	568395	9.96
06	MW023/081704	1291235	7.74	1651857	5.09	605310	9.96
07	MW026A/08170	1259121	7.74	1572475	5.09	626493	9.96
08	MW024/081704	1284208	7.74	1587925	5.09	569527	9.96
09	MW506/081704	1241354	7.74	1560794	5.09	558143	9.96
10	MW507/081704	1244088	7.74	1558630	5.09	558482	9.96
11	MW507B/08170	1336580	7.74	1528557	5.09	563137	9.96
12	MW509A/08170	1249311	7.74	1537355	5.09	553145	9.96
13	MW509B/08170	1252150	7.74	1551946	5.09	541661	9.96
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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.

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SEVERN TRENT STL

SAMPLE DATA

PAYNE FIRM INC.

Client Sample ID: MW015B/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-001 **Work Order #...:** GNEHD1AA **Matrix.....:** WG
Date Sampled...: 08/17/04 08:45 **Date Received..:** 08/18/04
Prep Date.....: 08/26/04 **Analysis Date..:** 08/26/04
Prep Batch #...: 4239136
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

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

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW015B/081704

GC/MS Volatiles

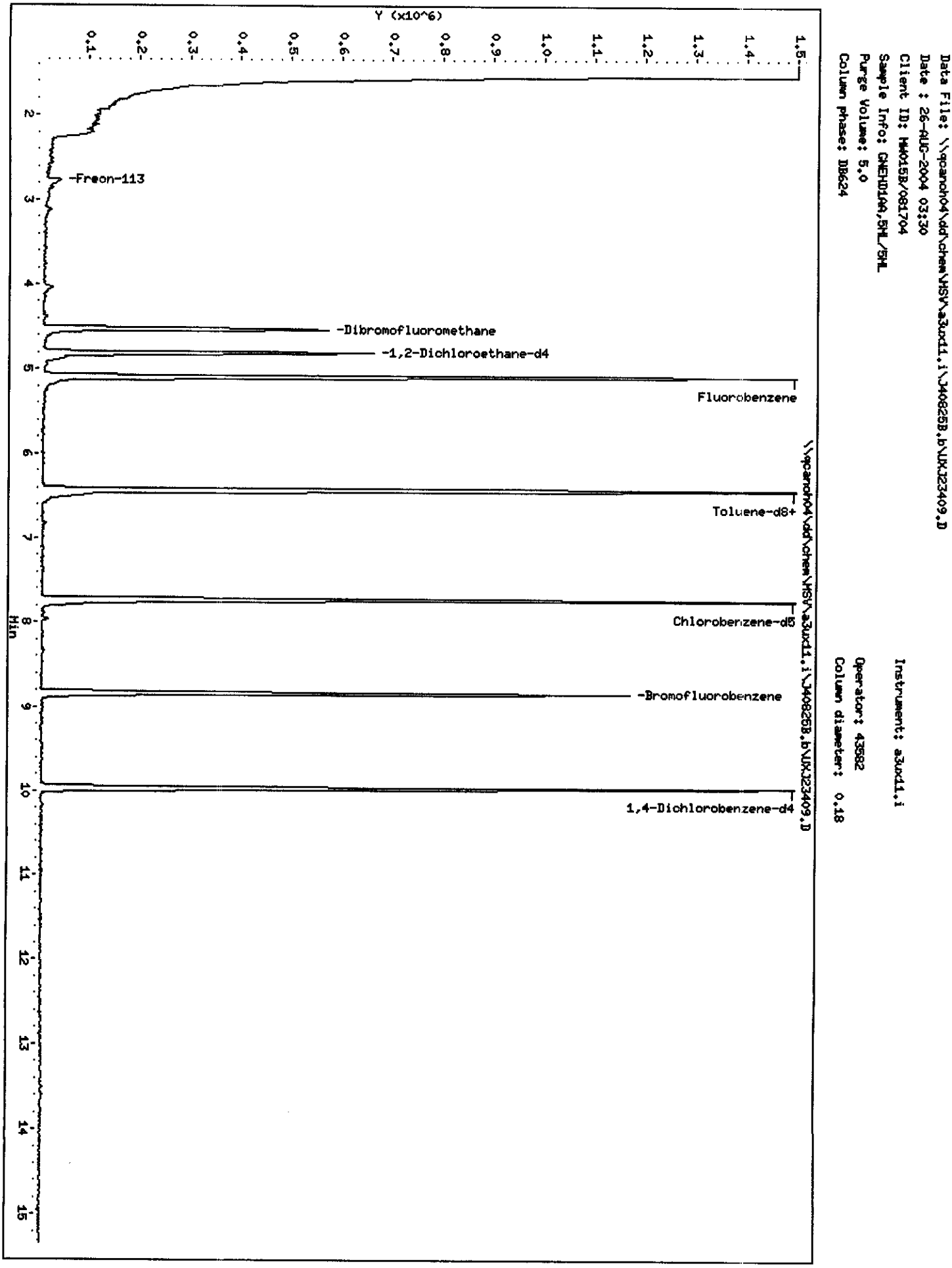
Lot-Sample #...: A4H180231-001 Work Order #...: GNEHD1AA Matrix.....: WG

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	**0.20 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	110	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 26-AUG-2004 03:30
Client ID: HW015B/081704
Sample Info: GNEH0104A,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
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
-Freon-113
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
Toluene-d8+
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanch04\dd\chem\HSV\a3ux11.i\J408258.b\UXJ23409.D
Min
2
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Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23409.D
Report Date: 26-Aug-2004 10:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23409.D
Lab Smp Id: GNEHD1AA Client Smp ID: MW015B/081704
Inj Date : 26-AUG-2004 03:30
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GNEHD1AA,5ML/5ML
Misc Info : J40825B,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m
Meth Date : 26-Aug-2004 10:17 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 48
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	5.088	5.088	(1.000)	1584389	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1241717	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	557612	50.0000	
$ 4 Dibromofluoromethane	113	4.532	4.520	(0.891)	408919	54.8418	10.968
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	531562	53.8301	10.766
$ 6 Toluene-d8	98	6.437	6.425	(0.832)	1413171	47.5023	9.500
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	508082	40.2987	8.060
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	2.793	2.769	(0.549)	21001	4.50060	0.9001
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23409.D
Report Date: 26-Aug-2004 10:28

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	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	6.484	6.485	(0.838)	35082	0.99997	0.2000
	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.					
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23409.D
Report Date: 26-Aug-2004 10:28

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

Data File: \\qcanch04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23409.D

Date : 26-AUG-2004 03:30

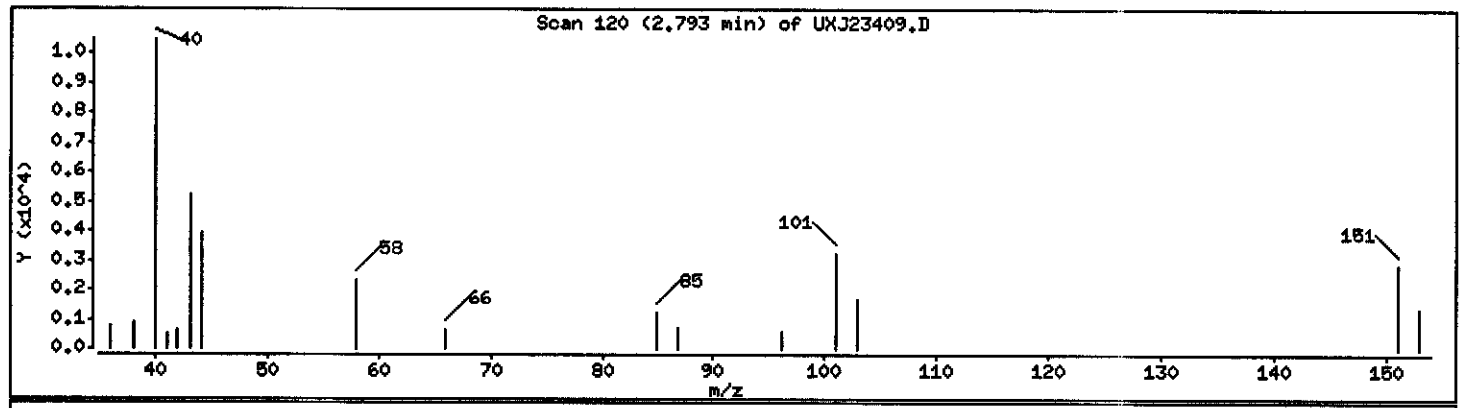
Client ID: MW015B/081704 Instrument: a3ux11.i

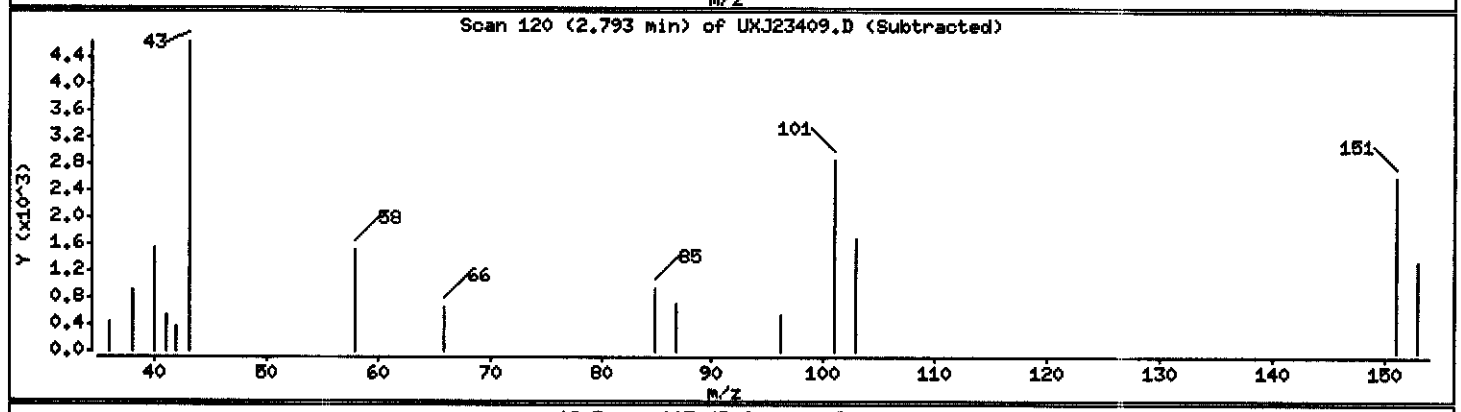
Sample Info: GNEHD1AA,5ML/5ML

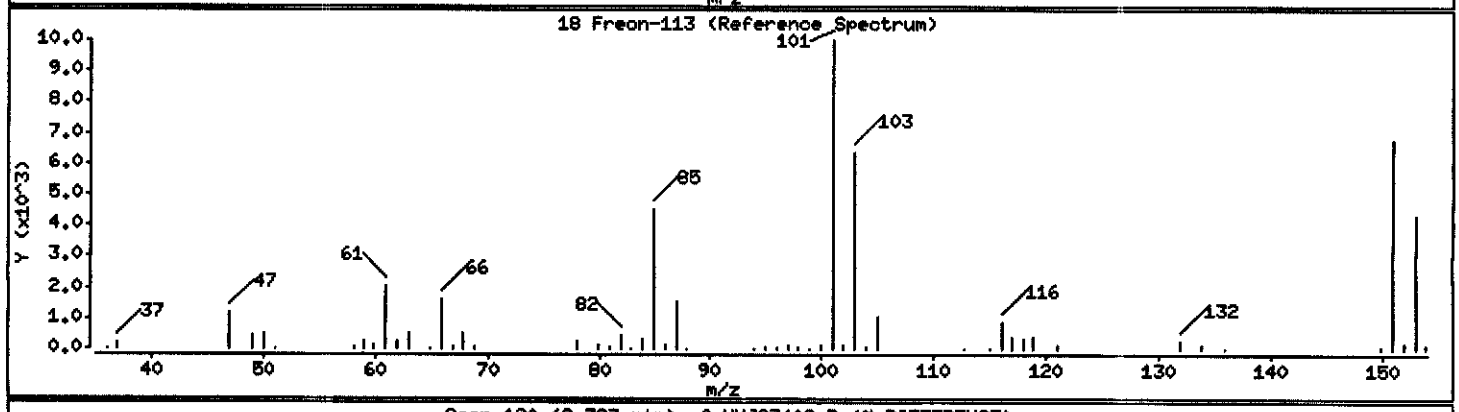
Purge Volume: 5.0 Operator: 43582

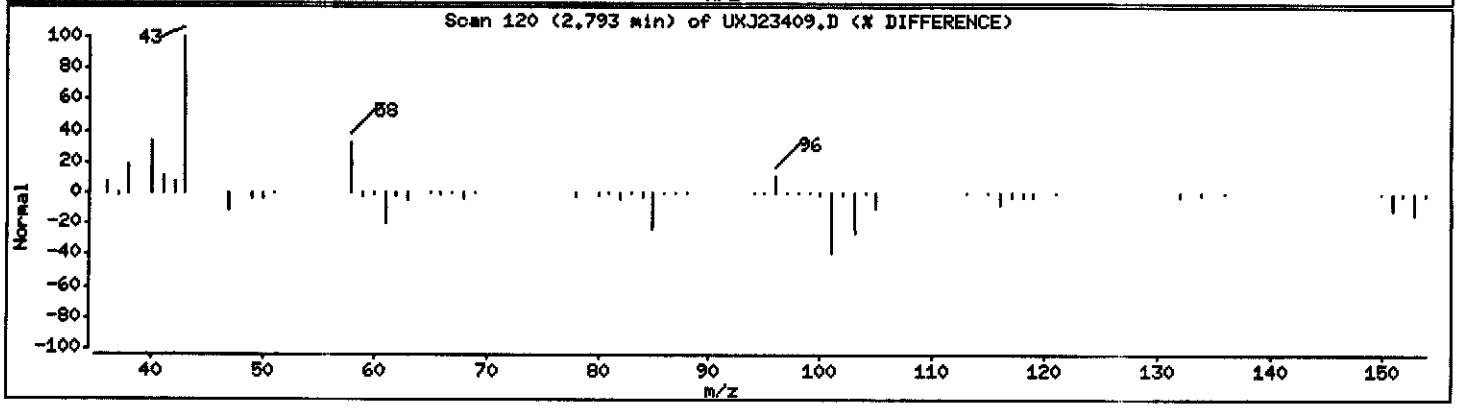
Column phase: DB624 Column diameter: 0.18

18 Freon-113 Concentration: 0.9001 ug/L









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Date : 26-AUG-2004 03:30

Client ID: MW015B/081704

Instrument: a3ux11.i

Sample Info: GNEHD1AA,5ML/5ML

Purge Volume: 5.0

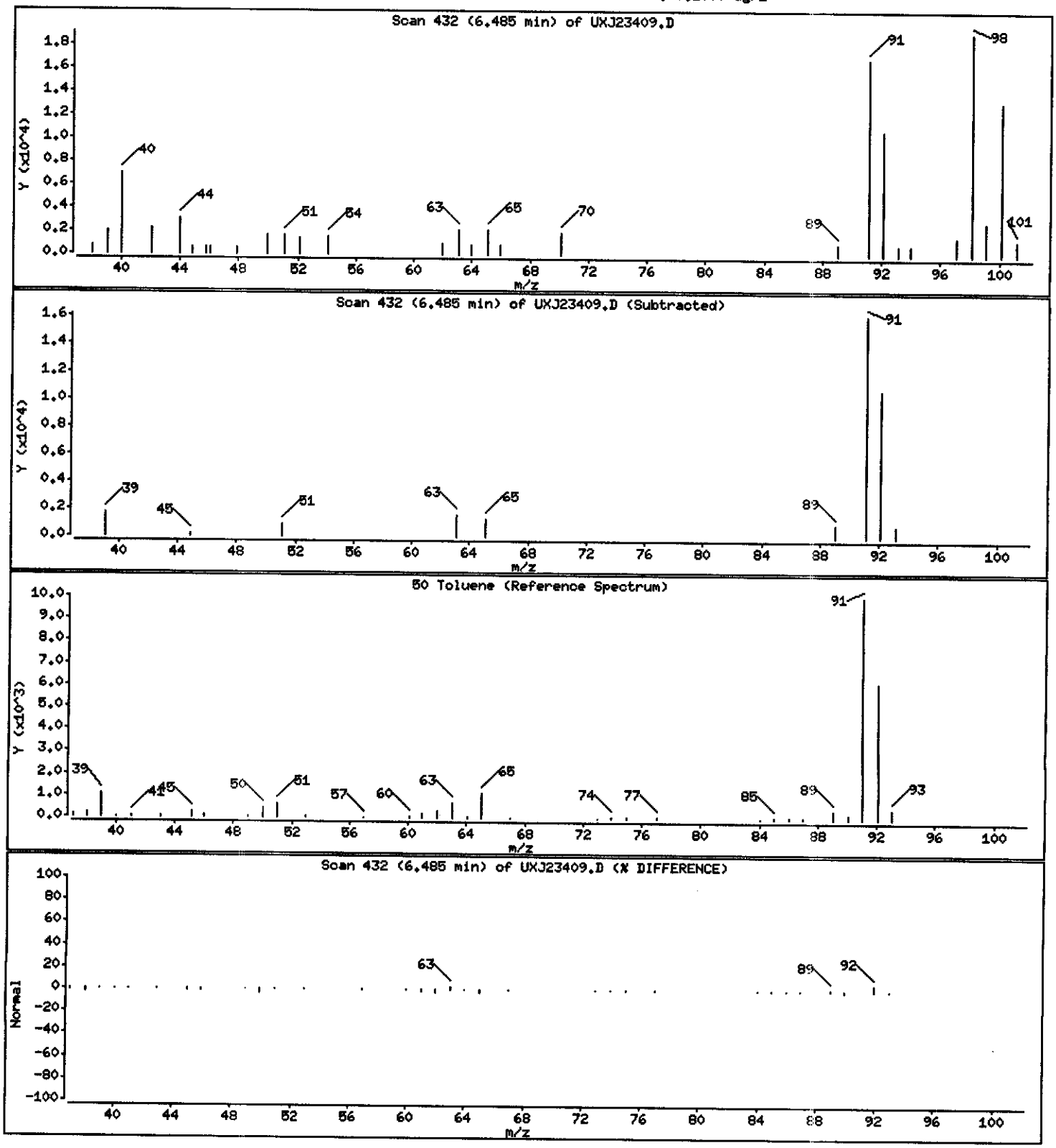
Operator: 43582

Column phase: DB624

Column diameter: 0.18

50 Toluene

Concentration: 0.2000 ug/L



PAYNE FIRM INC.

Client Sample ID: MW018/081704

GC/MS Volatiles

Lot-Sample #...:	A4H180231-002	**Work Order #...:**	GNEJJ1AA	**Matrix.....:**	WG
Date Sampled...:	08/17/04 09:43	**Date Received..:**	08/18/04		
Prep Date.....:	08/26/04	**Analysis Date..:**	08/26/04		
Prep Batch #...:	4239136				
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**9.5**	**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	**0.29 J**	**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: MW018/081704

GC/MS Volatiles

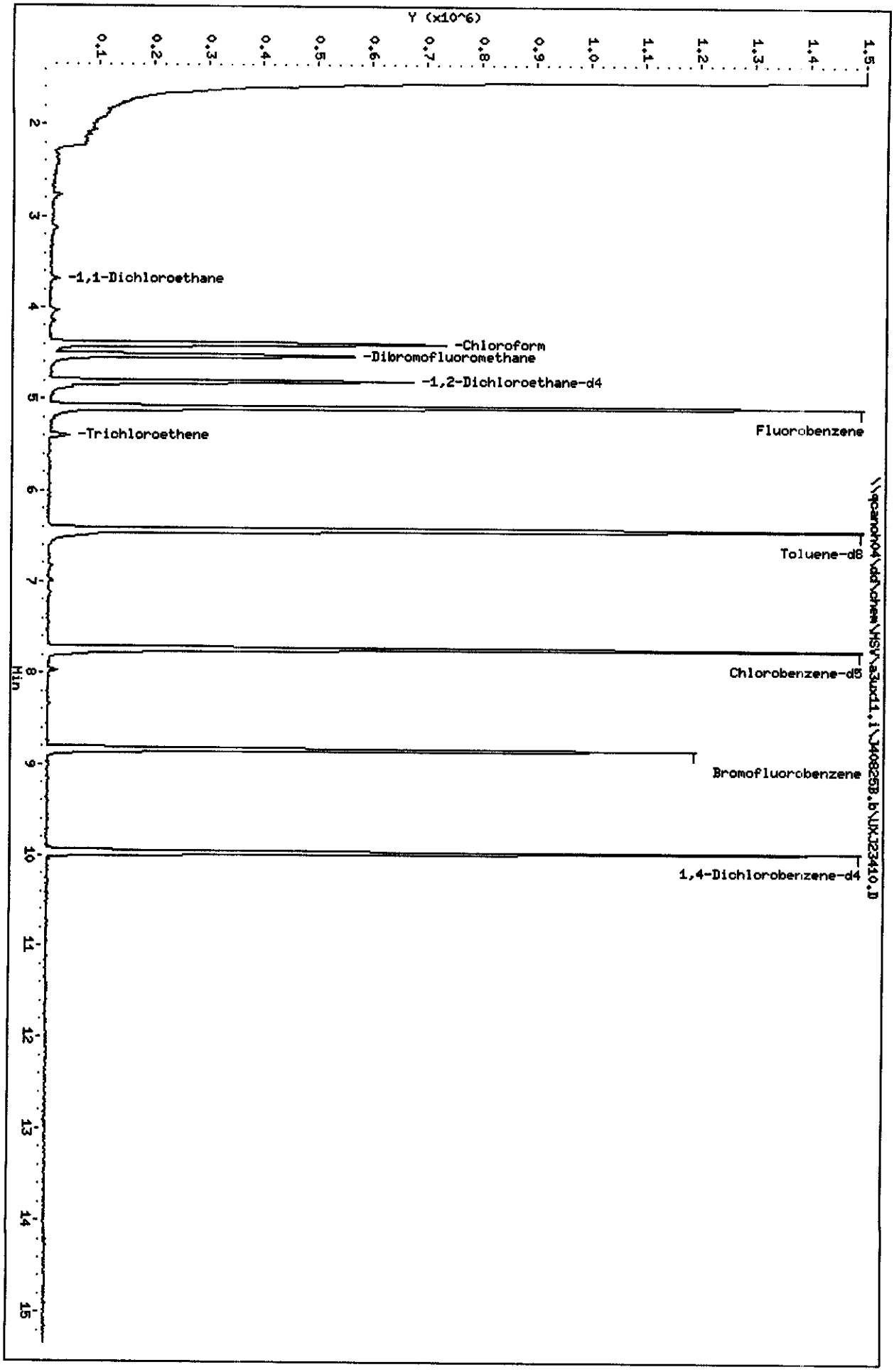
Lot-Sample #...: A4H180231-002 **Work Order #...:** GNEJJ1AA **Matrix.....:** WG

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	**0.36 J**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 26-AUG-2004 03:53
Client ID: MW018/081704
Sample Info: GNEJJ1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
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
-1,1-Dichloroethane
-Chloroform
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
-Trichloroethene
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanon04\dd\chem\HSV\a3ux11.i\J408258.b\UX123410.D
Min
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Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23410.D
Report Date: 26-Aug-2004 10:29

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23410.D
Lab Smp Id: GNEJJ1AA Client Smp ID: MW018/081704
Inj Date : 26-AUG-2004 03:53
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GNEJJ1AA,5ML/5ML
Misc Info : J40825B,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m
Meth Date : 26-Aug-2004 10:17 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 49
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	5.088	5.088	(1.000)	1548060	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1258617	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	568395	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	413212	56.7181	11.344
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	522042	54.1066	10.821
$ 6 Toluene-d8	98	6.437	6.425	(0.832)	1414216	46.8992	9.380
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	498555	39.0121	7.802
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\J40825B.b\UXJ23410.D
Report Date: 26-Aug-2004 10:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	20319	1.43564	0.2871
	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	4.402	4.390	(0.865)	671375	47.3757	9.475
	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	5.396	5.396	(1.060)	14044	1.81661	0.3633
	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\J40825B.b\UXJ23410.D
Report Date: 26-Aug-2004 10:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	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.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23410.D

Date : 26-AUG-2004 03:53

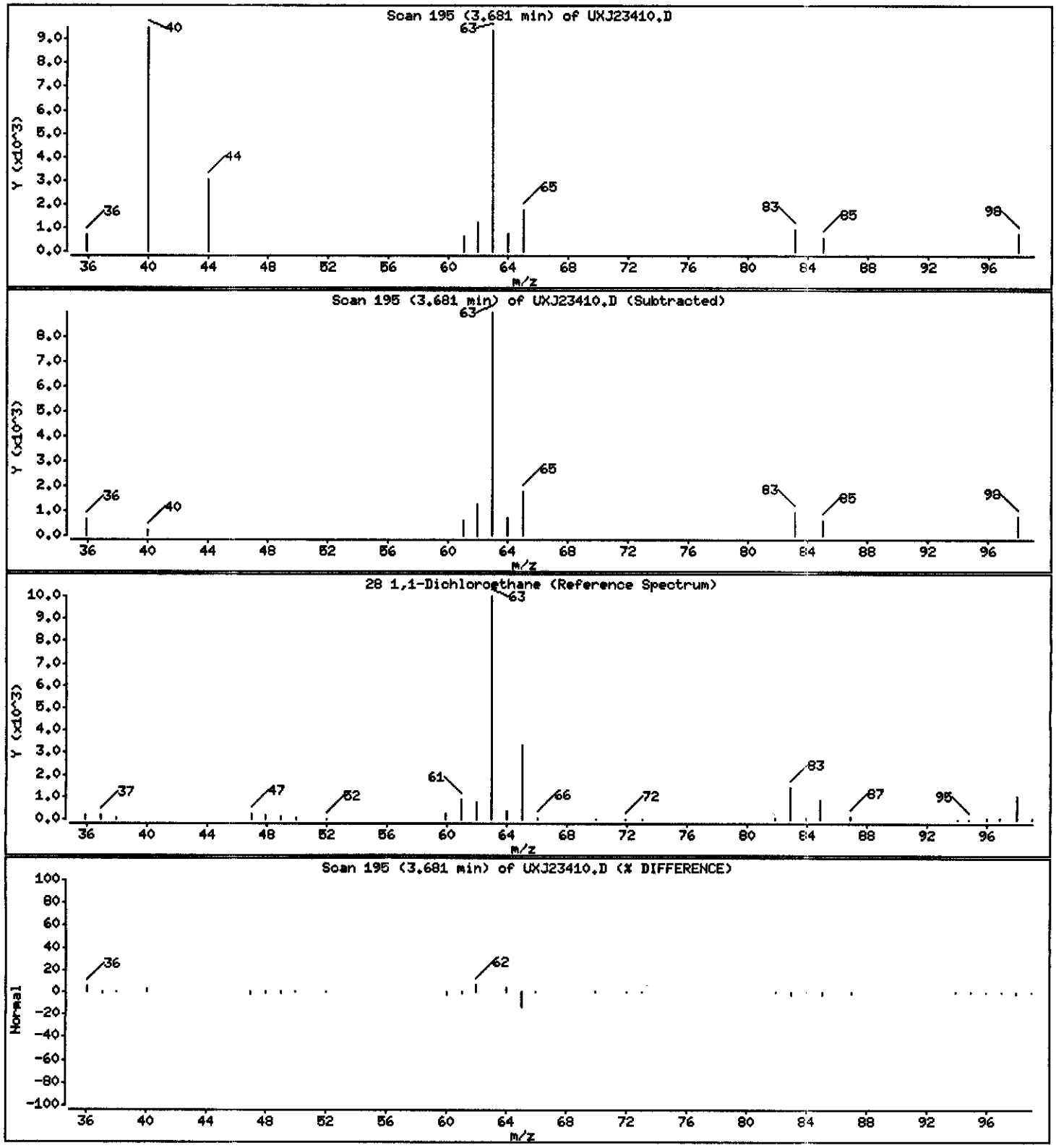
Client ID: MW018/081704 Instrument: a3ux11.i

Sample Info: GNEJJ1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 0.2871 ug/L



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Date : 26-AUG-2004 03:53

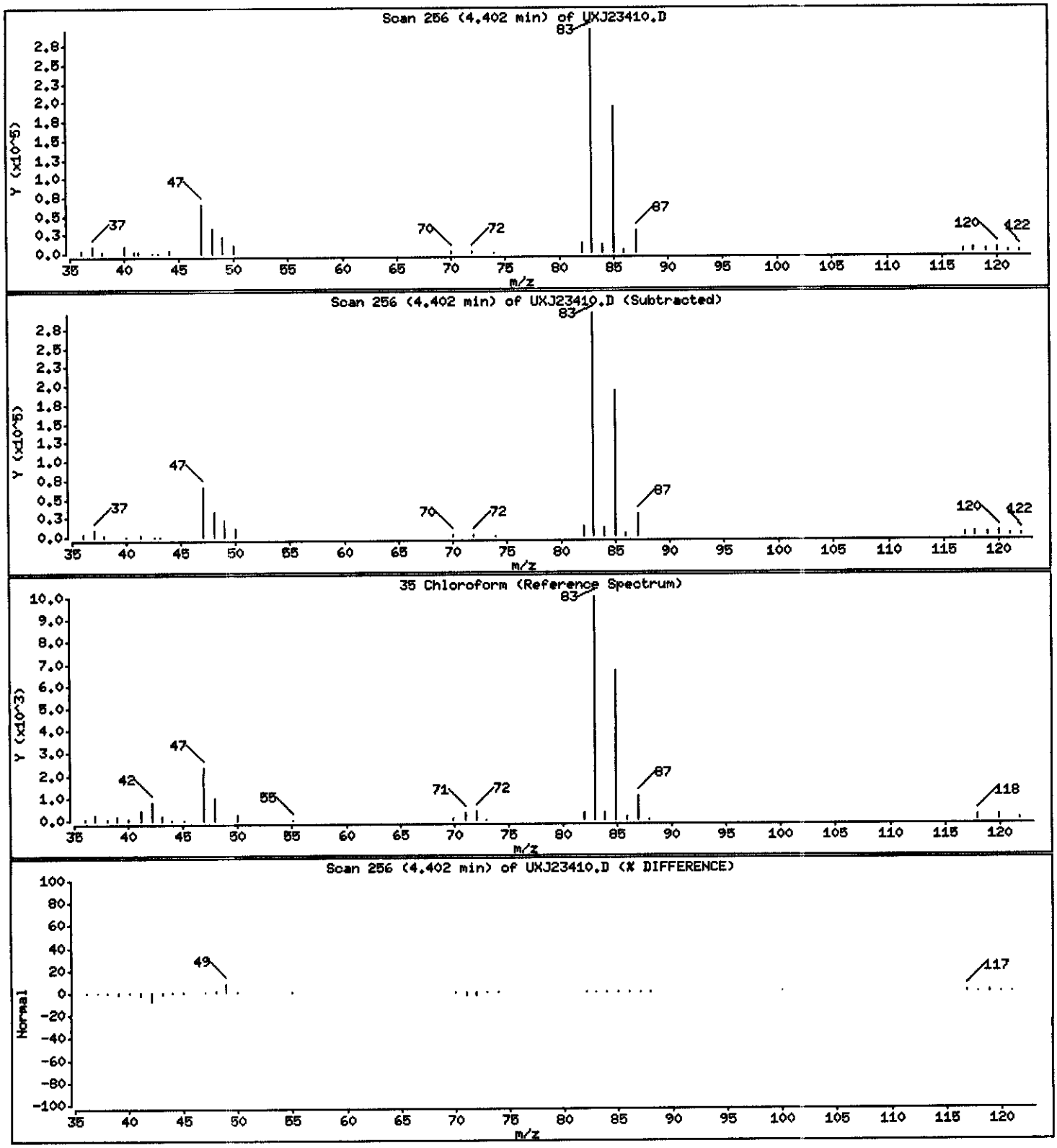
Client ID: MW018/081704 Instrument: a3ux11.i

Sample Info: GNEJJ1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

35 Chloroform Concentration: 9.475 ug/L



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Date : 26-AUG-2004 03:53

Client ID: MW018/081704

Instrument: a3ux11.i

Sample Info: GNEJJ1AA,5ML/5ML

Purge Volume: 5.0

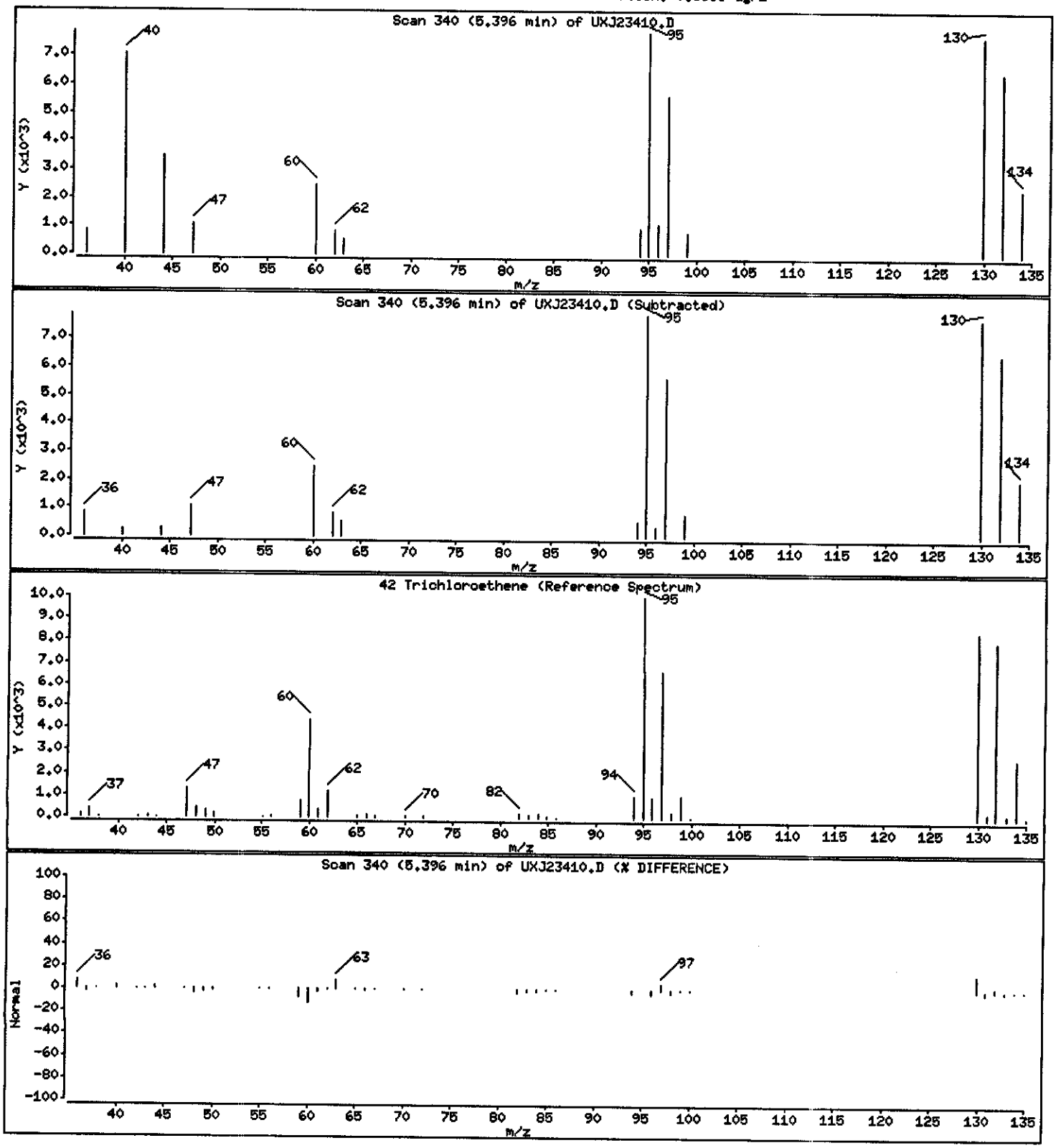
Operator: 43582

Column phase: DB624

Column diameter: 0.18

42 Trichloroethene

Concentration: 0.3633 ug/L



PAYNE FIRM INC.

Client Sample ID: MW023/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-003 **Work Order #...:** GNEJM1AA **Matrix.....:** WG
Date Sampled...: 08/17/04 09:50 **Date Received..:** 08/18/04
Prep Date.....: 08/26/04 **Analysis Date..:** 08/26/04
Prep Batch #...: 4239136
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	**7.1**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	**0.47 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	**15**	**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	**5.7**	**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	**450**	**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: MW023/081704

GC/MS Volatiles

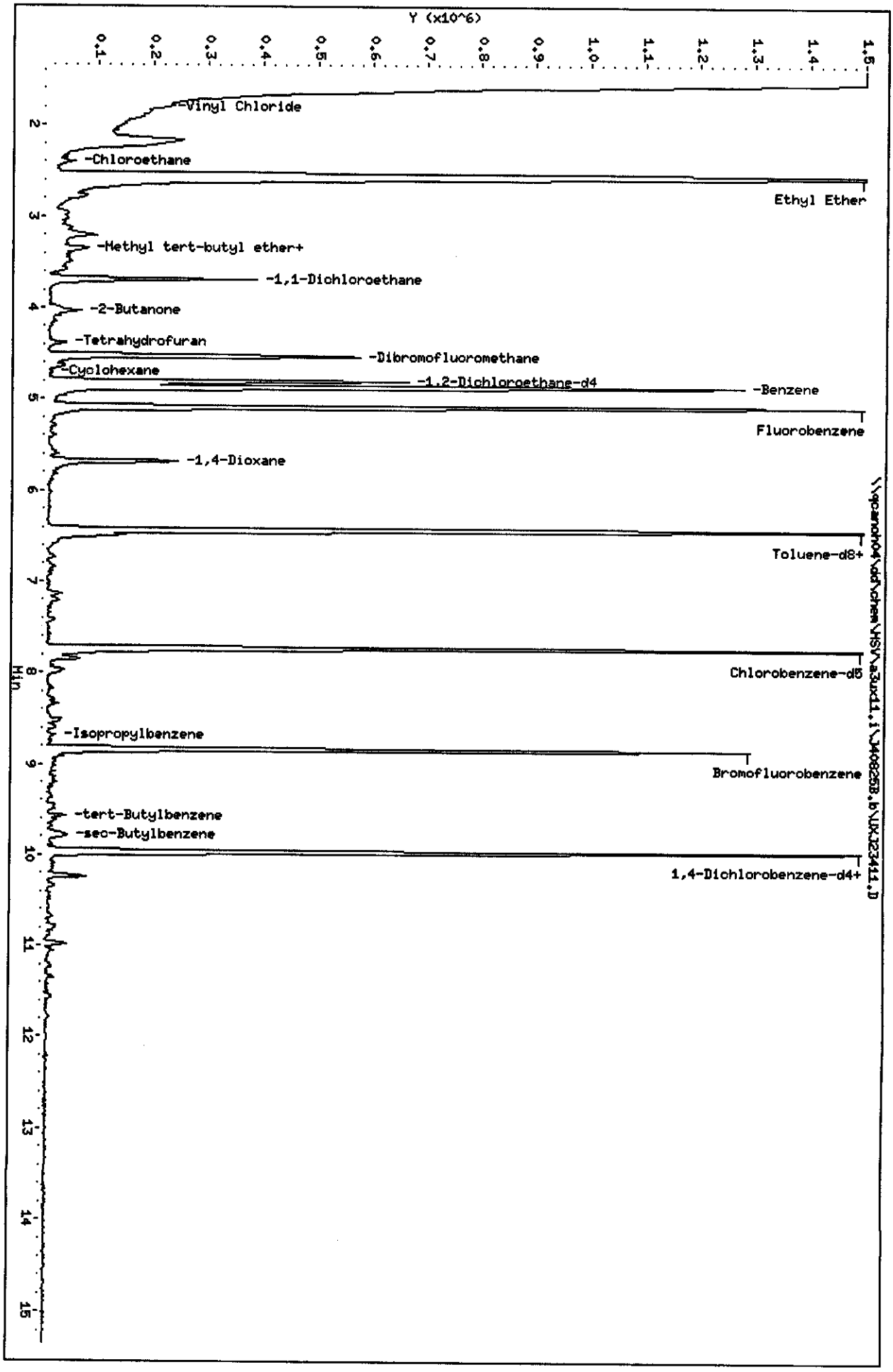
Lot-Sample #...: A4H180231-003 **Work Order #...:** GNEJM1AA **Matrix.....:** WG

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	**0.37 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	**1.1**	**1.0**	**ug/L**
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.


Data File: \\qcanon04\ddf\chem\HSV\a3uxd1.i\J40825B.b\UXJ23411.D
Date : 26-AUG-2004 04:16
Client ID: MW023/081704
Sample Info: GNEJW1MA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3uxd1.i
Operator: 4352
Column diameter: 0.18
Y (x10^6)
Min
-Vinyl Chloride
-Chloroethane
Ethyl Ether
-Methyl tert-butyl ether+
-1,1-Dichloroethane
-2-Butanone
-Tetrahydrofuran
-Dibromofluoromethane
-Cyclohexane
-1,2-Dichloroethane-d4
-Benzene
Fluorobenzene
-1,4-Dioxane
Toluene-d8+
Chlorobenzene-d5
-Isopropylbenzene
Bromofluorobenzene
-tert-Butylbenzene
-sec-Butylbenzene
1,4-Dichlorobenzene-d4+

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23411.D
Report Date: 26-Aug-2004 10:30

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23411.D
Lab Smp Id: GNEJM1AA Client Smp ID: MW023/081704
Inj Date : 26-AUG-2004 04:16
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GNEJM1AA,5ML/5ML
Misc Info : J40825B,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m
Meth Date : 26-Aug-2004 10:17 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 50
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	5.088	5.088	(1.000)	1651857	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1291235	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	605310	50.0000	
$ 4 Dibromofluoromethane	113	4.532	4.520	(0.891)	416627	53.5934	10.719
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	519864	50.4952	10.099
$ 6 Toluene-d8	98	6.437	6.425	(0.832)	1514544	48.9575	9.792
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	544979	41.5675	8.313
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.799	1.799	(0.354)	37775	5.43146	1.086
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	2.154	2.166	(0.423)	412718	75.5104	15.102
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\J40825B.b\UXJ23411.D
Report Date: 26-Aug-2004 10:30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	25624	1.33890	0.2678
	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	3.680	3.680	(0.723)	427873	28.3317	5.666
	29 tert-Butyl Alcohol	59	3.195	3.183	(0.628)	37209	48.6008	9.720
	30 2-Butanone	43	4.153	4.142	(0.816)	11662	2.35032	0.4701
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	4.390	4.378	(0.863)	24044	8.88529	1.777
	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	4.863	4.863	(0.956)	1313649	35.3309	7.066
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.680	5.680	(1.116)	239953	2271.88	454.38(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	6.485	6.485	(0.838)	67149	1.84060	0.3681
	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\J40825B.b\UXJ23411.D
Report Date: 26-Aug-2004 10:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	8.685	8.686	(1.122)	10913	2.90590	0.5812
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	9.573	9.573	(0.961)	13015	0.70985	0.1420
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	9.798	9.786	(0.983)	20288	0.79259	0.1585
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	3764	2.61692	0.5234
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	2.556	2.556	(0.502)	6102452	749.220	149.84(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	4.639	4.627	(0.912)	15933	6.87527	1.375
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
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\MSV\a3ux11.i\J40825B.b\UXJ23411.D

Date : 26-AUG-2004 04:16

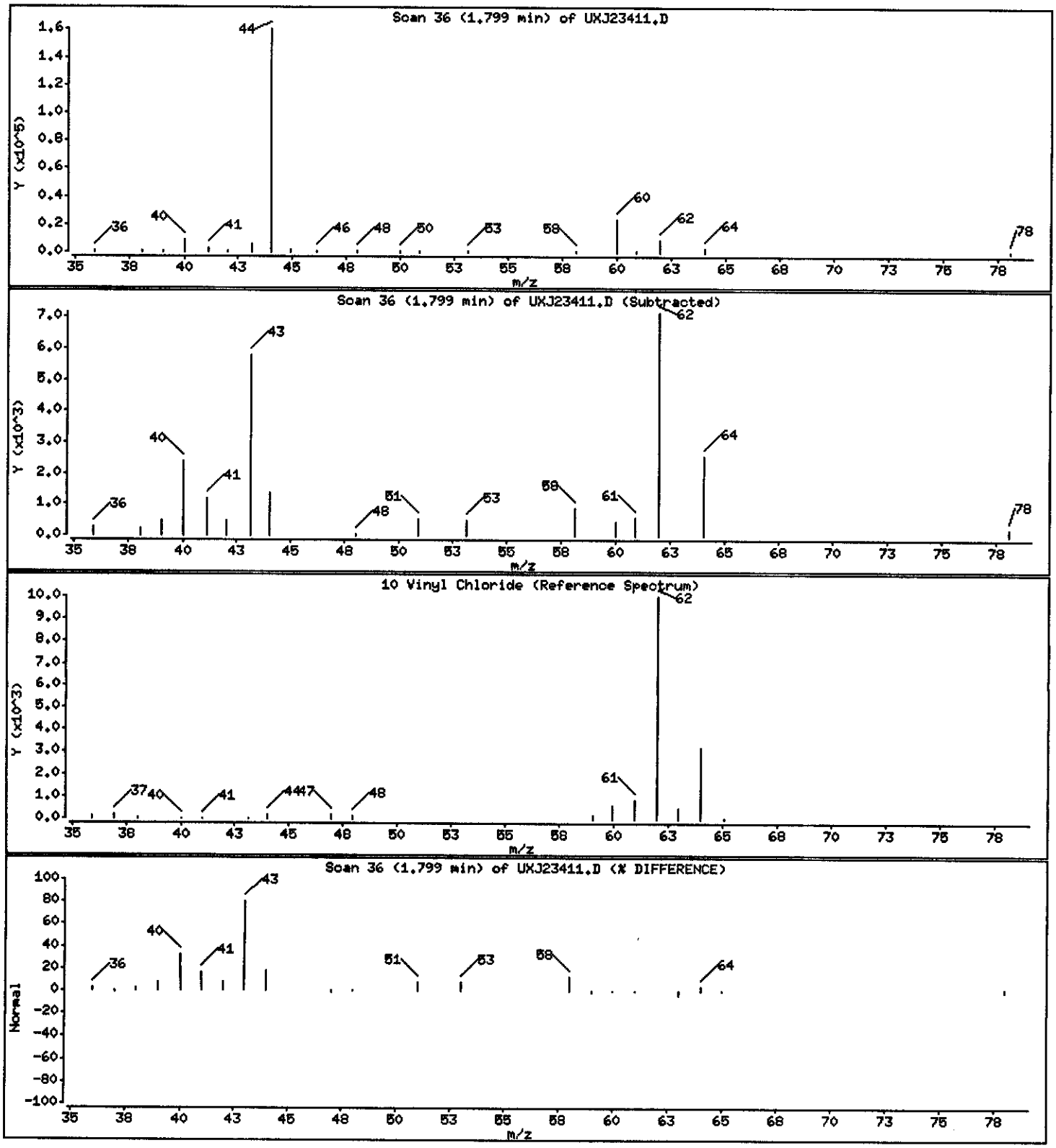
Client ID: MW023/081704 Instrument: a3ux11.i

Sample Info: GNEJM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 1.086 ug/L



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Date : 26-AUG-2004 04:16

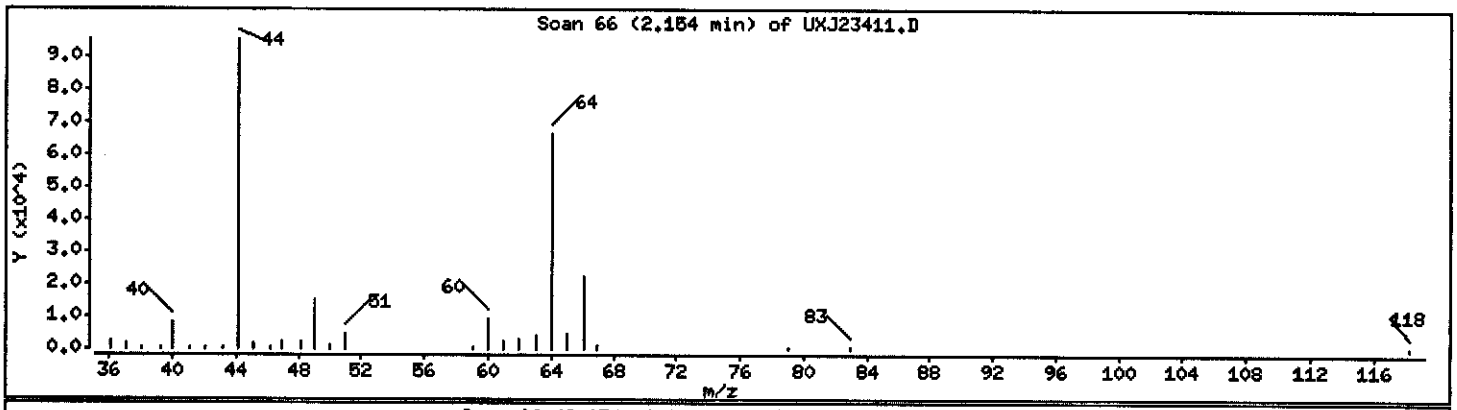
Client ID: MW023/081704 Instrument: a3ux11.i

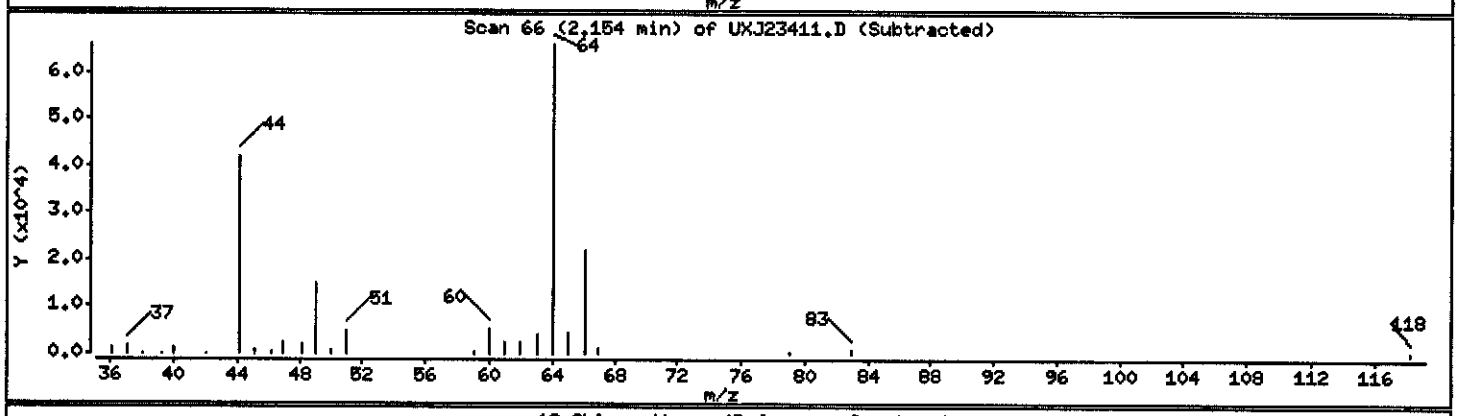
Sample Info: GNEJM1AA,5ML/5ML

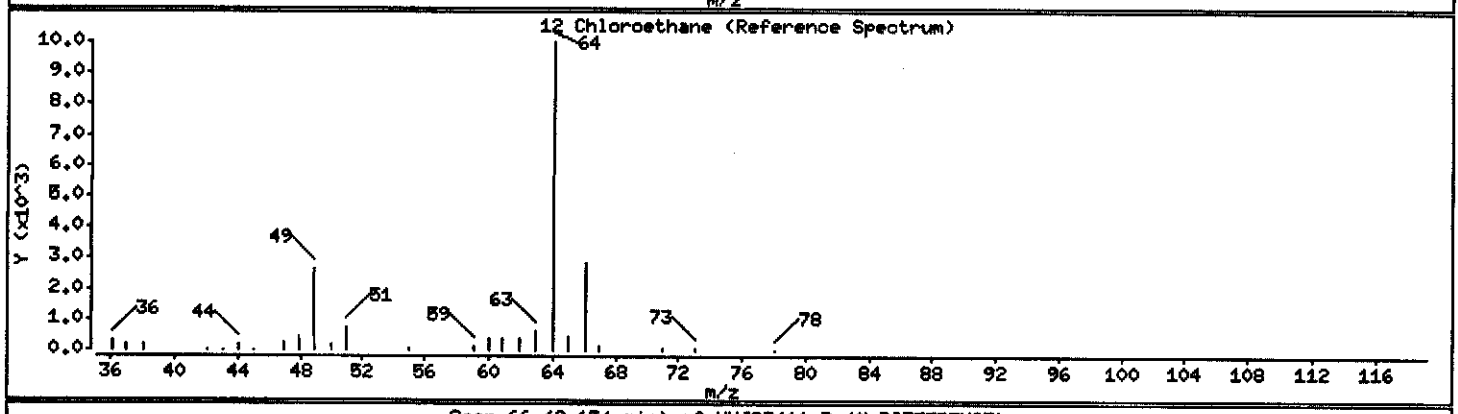
Purge Volume: 5.0 Operator: 43582

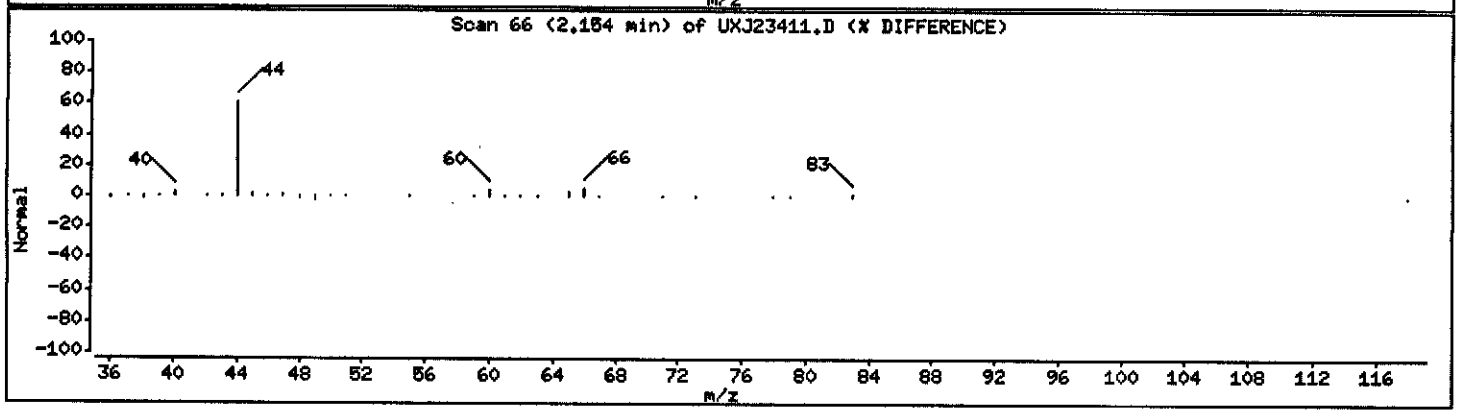
Column phase: DB624 Column diameter: 0.18

12 Chloroethane Concentration: 15.102 ug/L









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Date : 26-AUG-2004 04:16

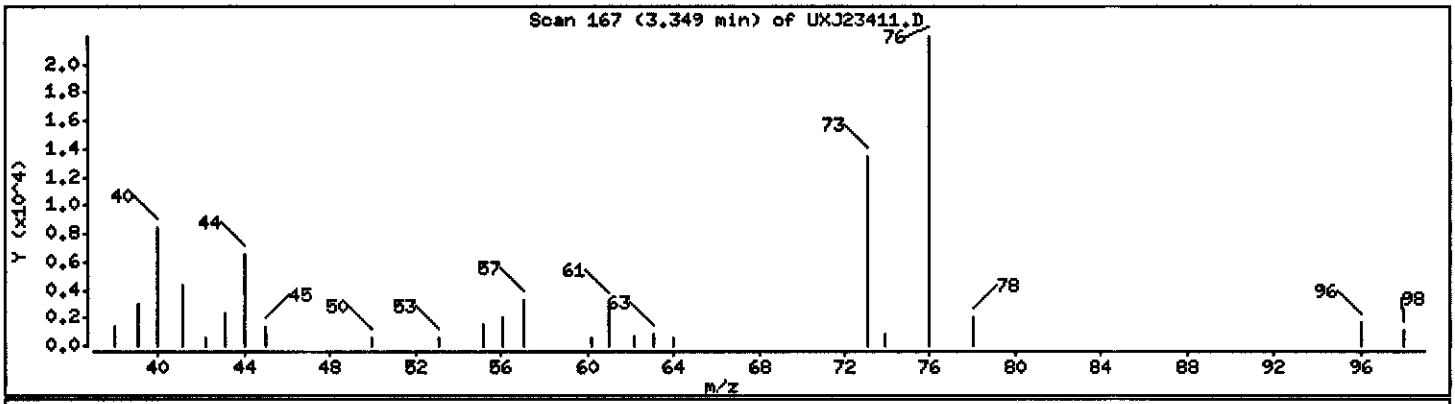
Client ID: MW023/081704 Instrument: a3ux11.i

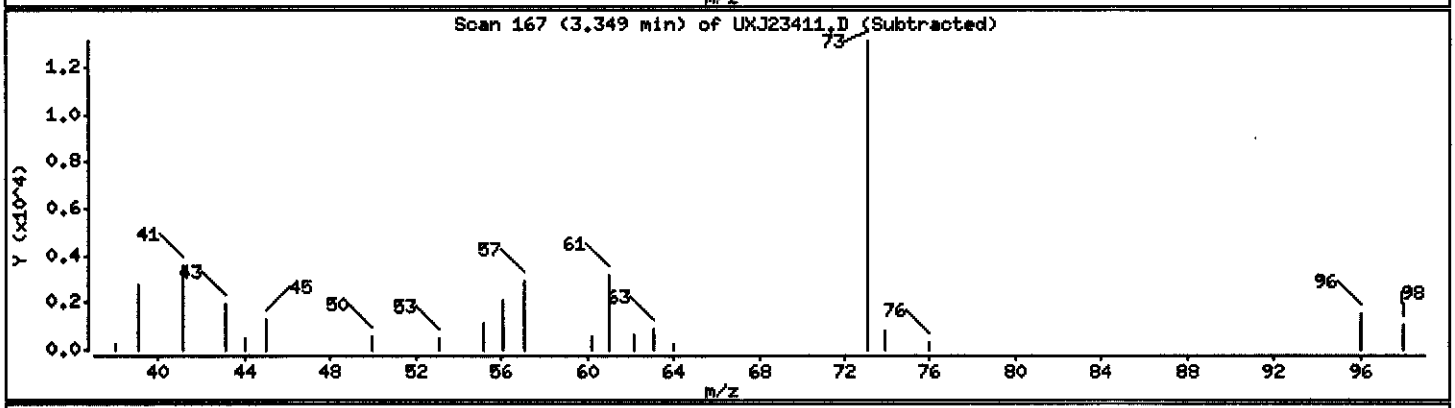
Sample Info: GNEJM1AA,5ML/5ML

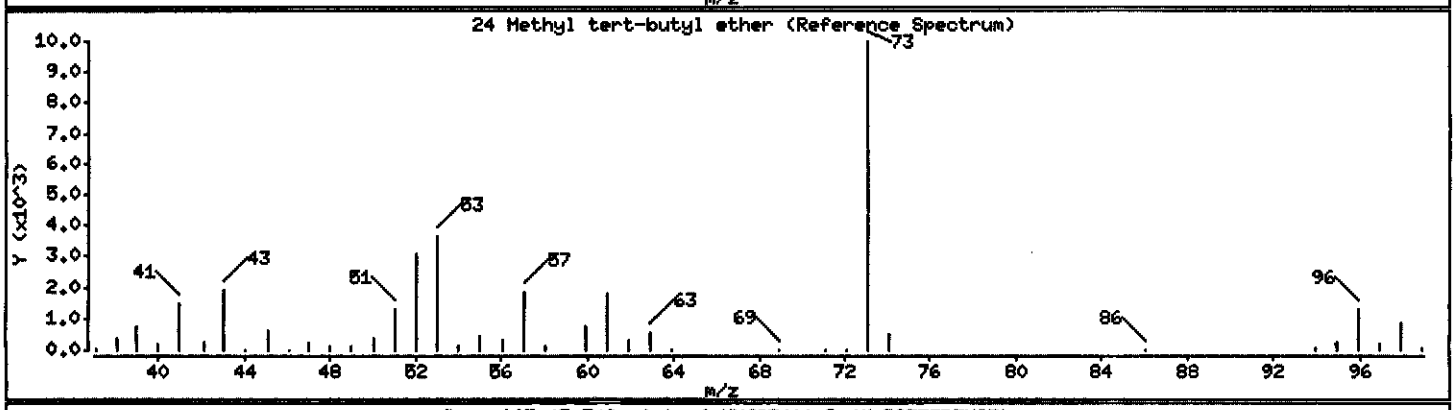
Purge Volume: 5.0 Operator: 43582

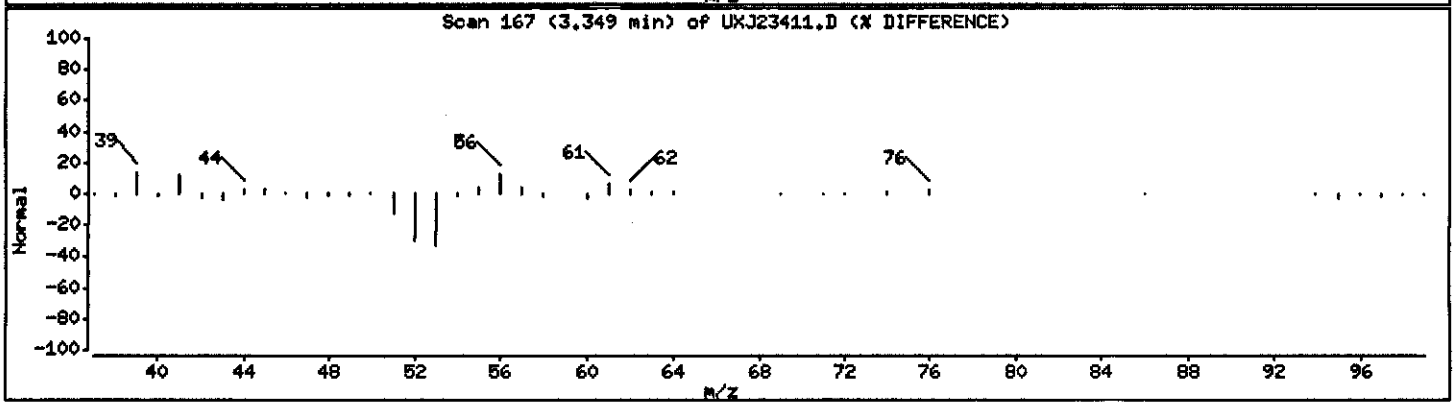
Column phase: DB624 Column diameter: 0.18

24 Methyl tert-butyl ether Concentration: 0.2678 ug/L









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Date : 26-AUG-2004 04:16

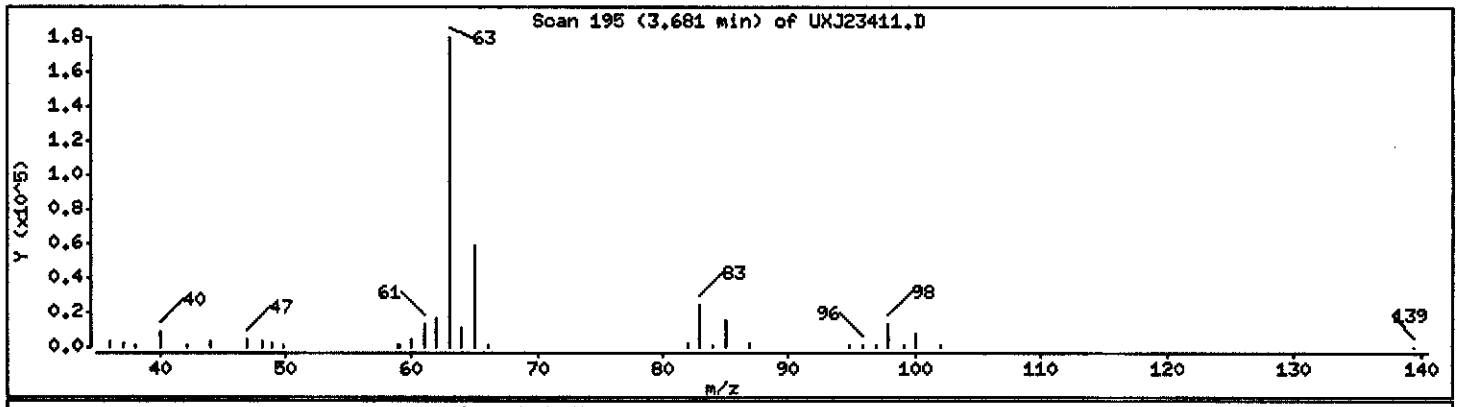
Client ID: MW023/081704 Instrument: a3ux11.i

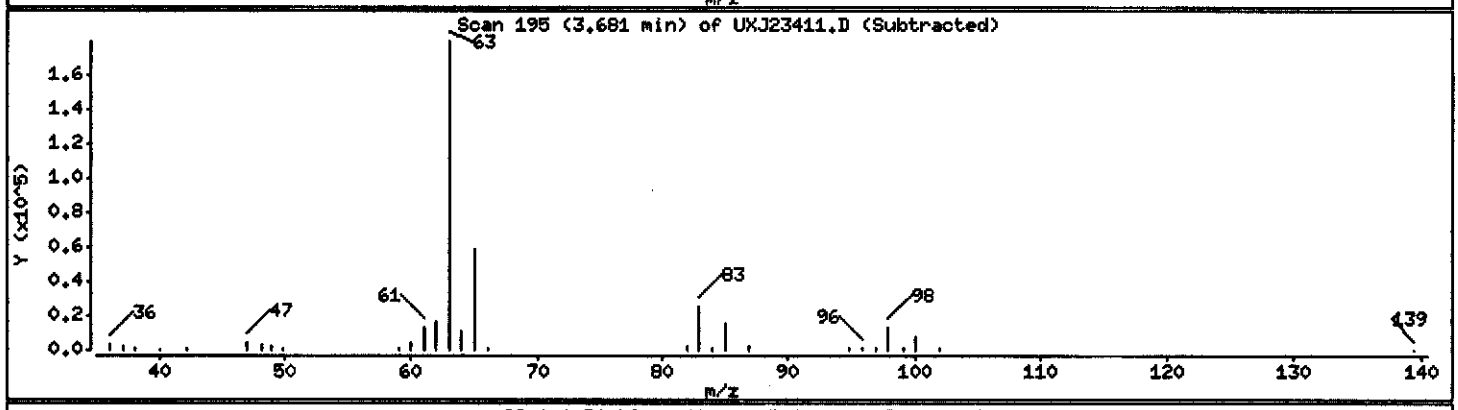
Sample Info: GNEJM1AA,5ML/5ML

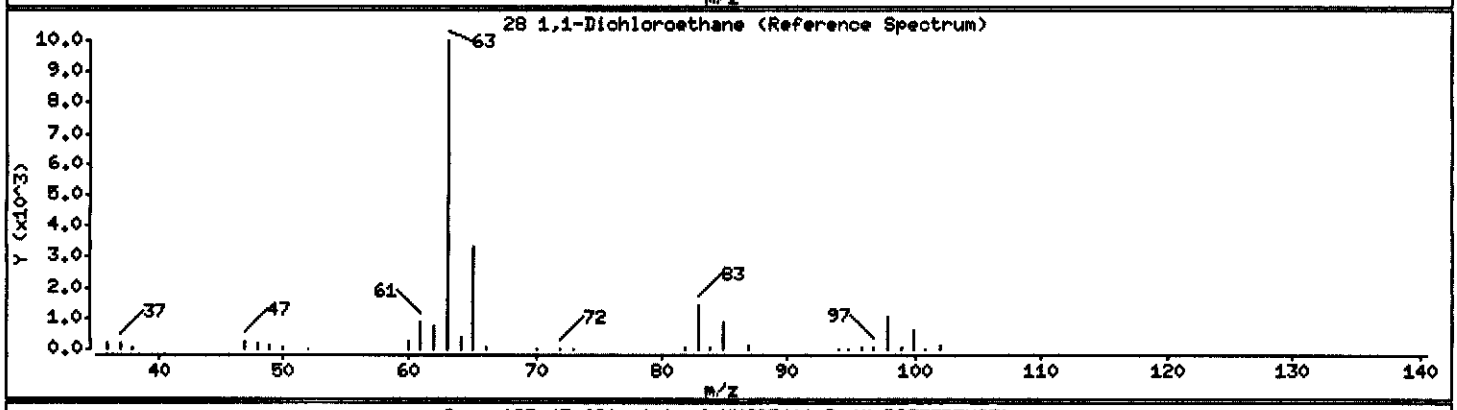
Purge Volume: 5.0 Operator: 43582

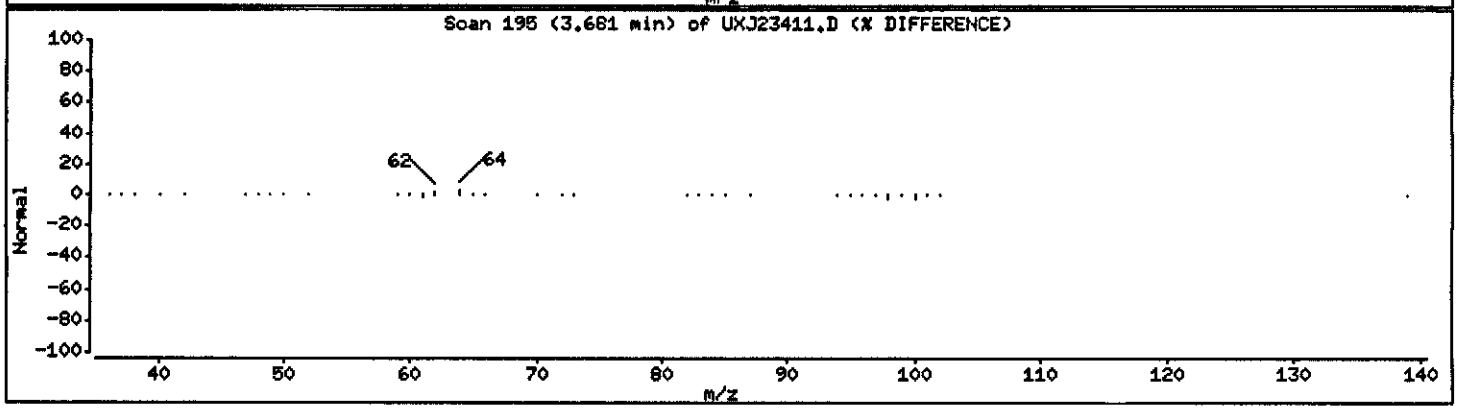
Column phase: DB624 Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 5.666 ug/L









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Date : 26-AUG-2004 04:16

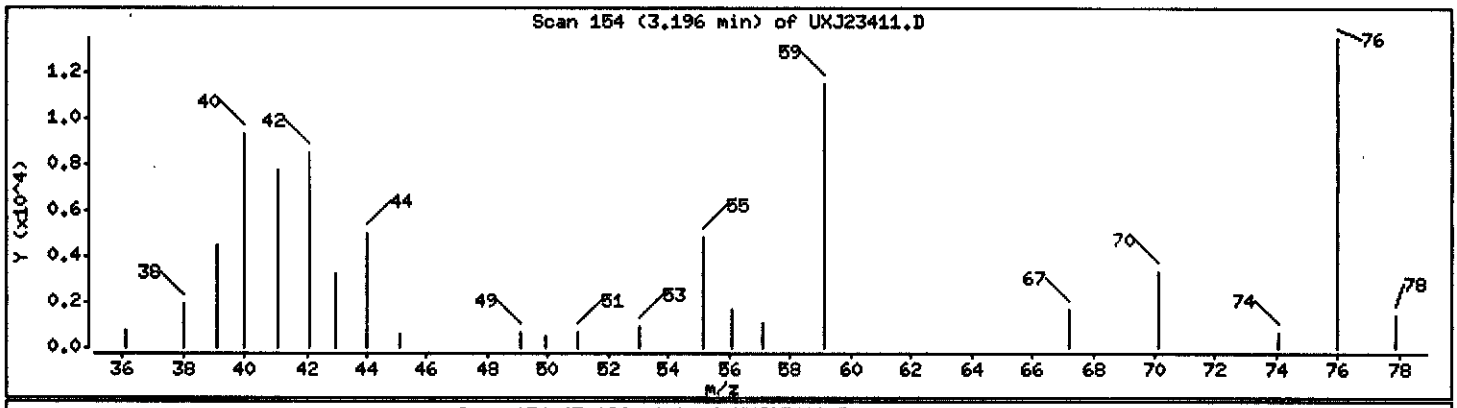
Client ID: MW023/081704 Instrument: a3ux11.i

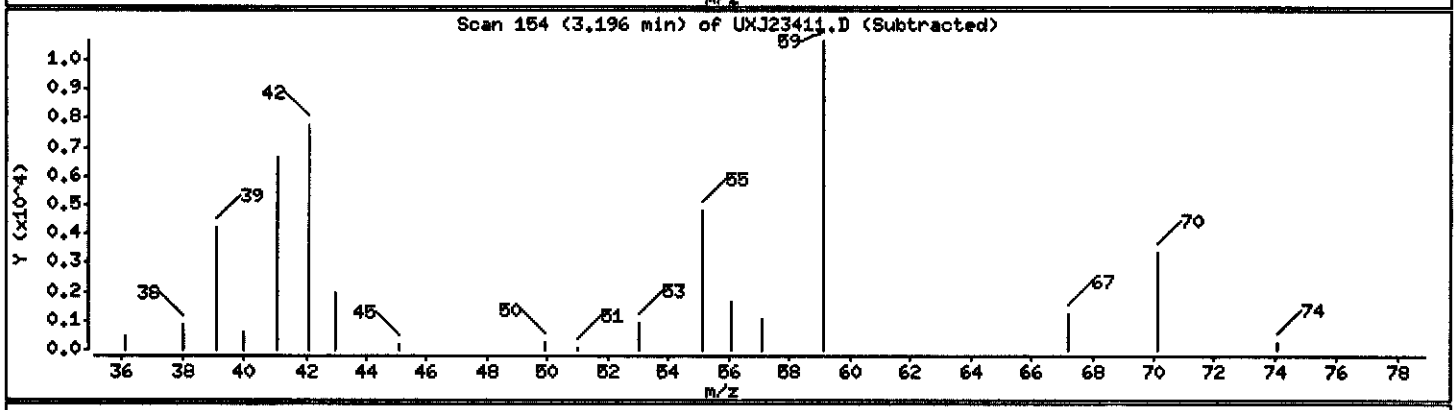
Sample Info: GNEJM1AA,5ML/5ML

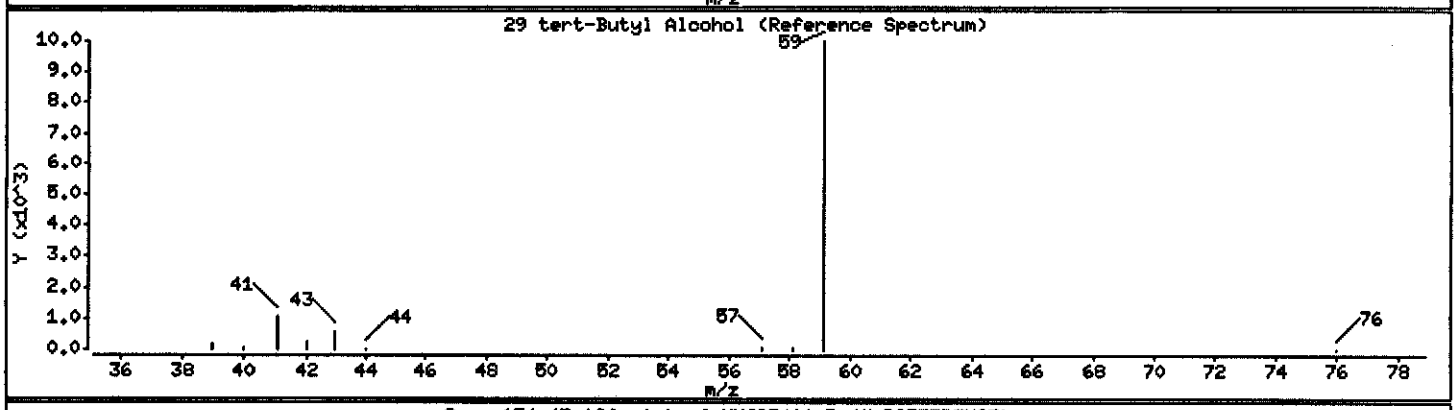
Purge Volume: 5.0 Operator: 43582

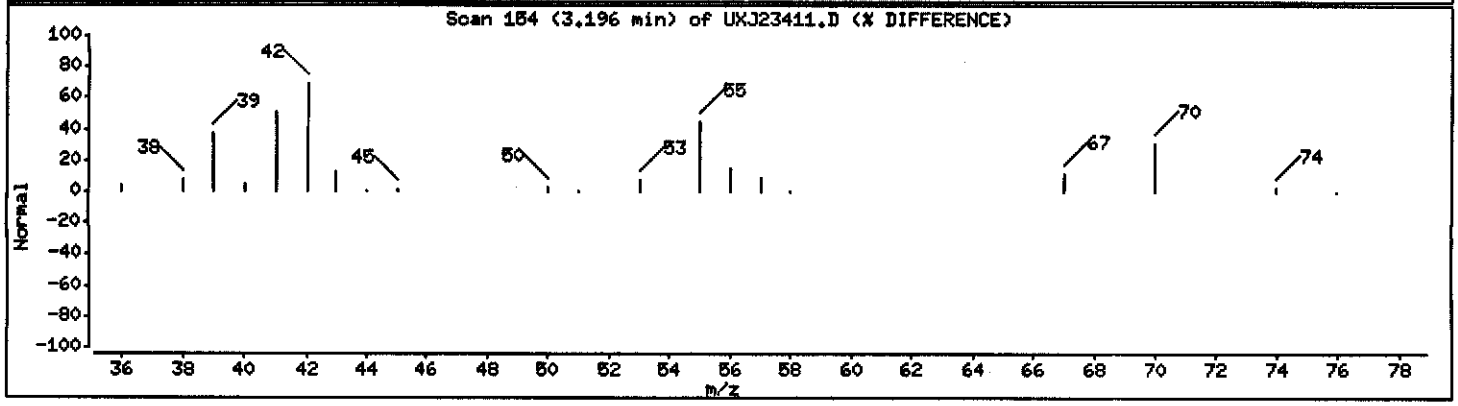
Column phase: DB624 Column diameter: 0.18

29 tert-Butyl Alcohol Concentration: 9.720 ug/L









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Date : 26-AUG-2004 04:16

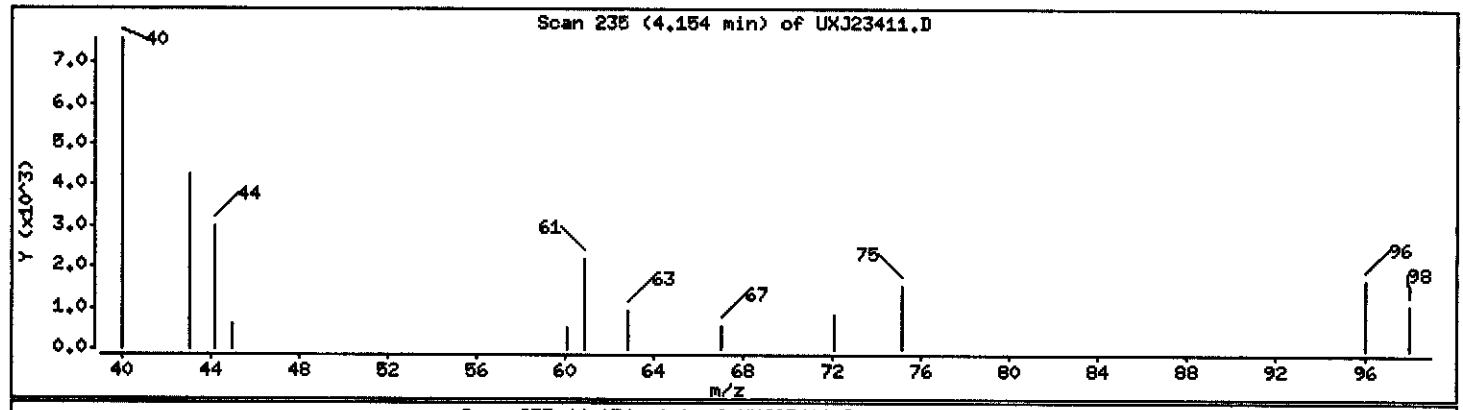
Client ID: MW023/081704 Instrument: a3ux11.i

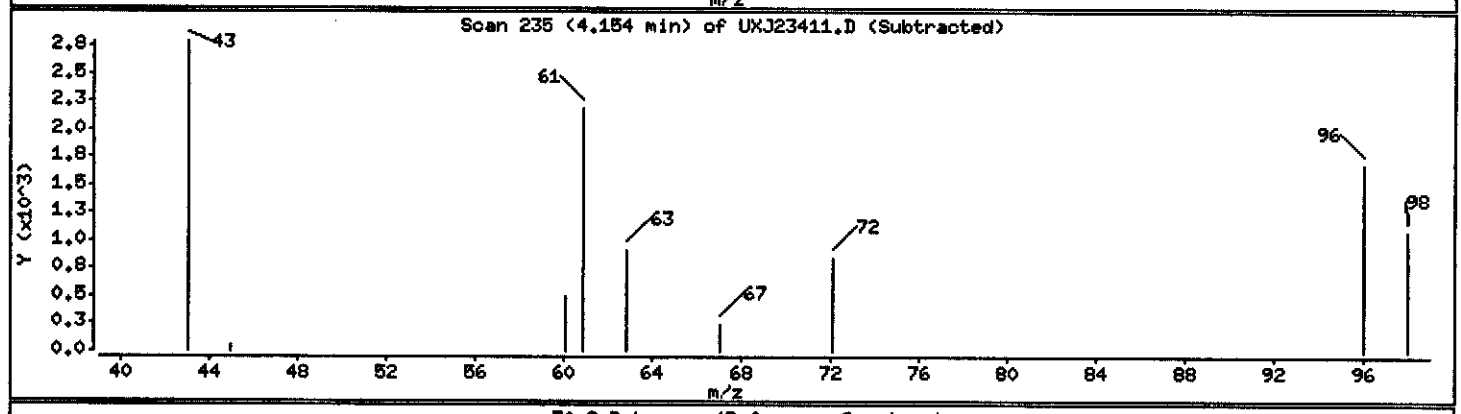
Sample Info: GNEJM1AA,5ML/5ML

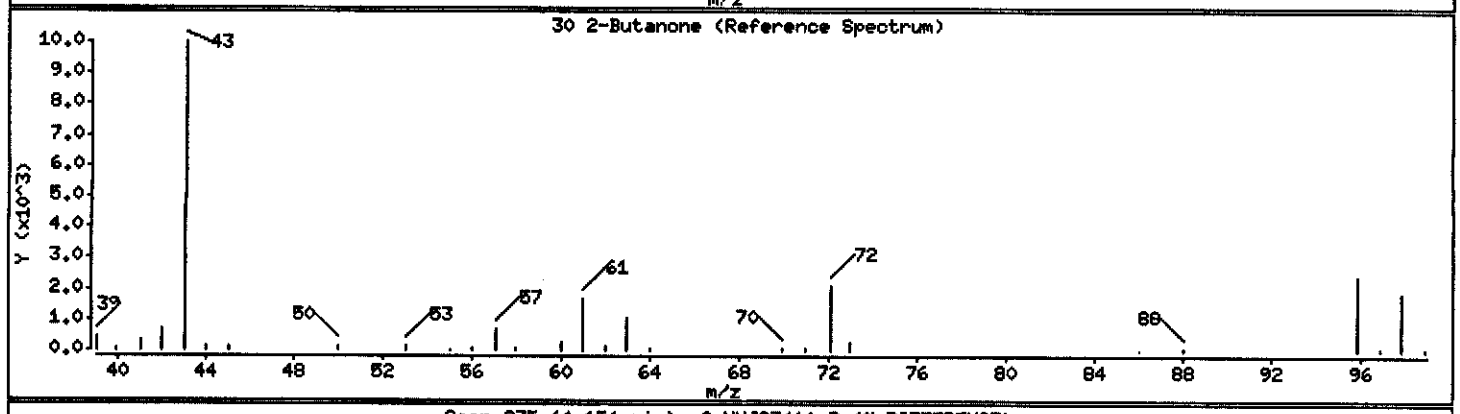
Purge Volume: 5.0 Operator: 43582

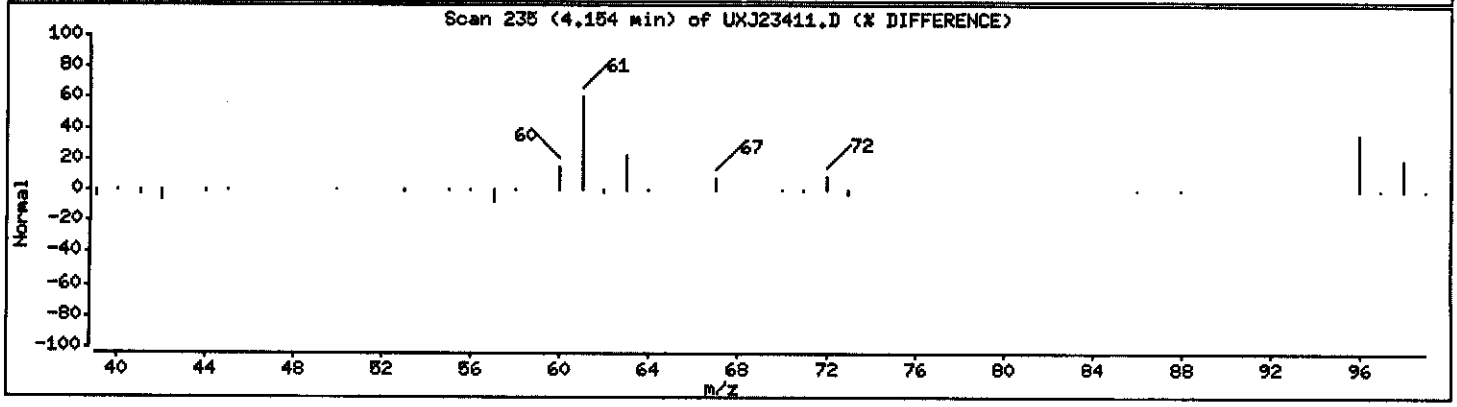
Column phase: DB624 Column diameter: 0.18

30 2-Butanone Concentration: 0.4701 ug/L









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Date : 26-AUG-2004 04:16

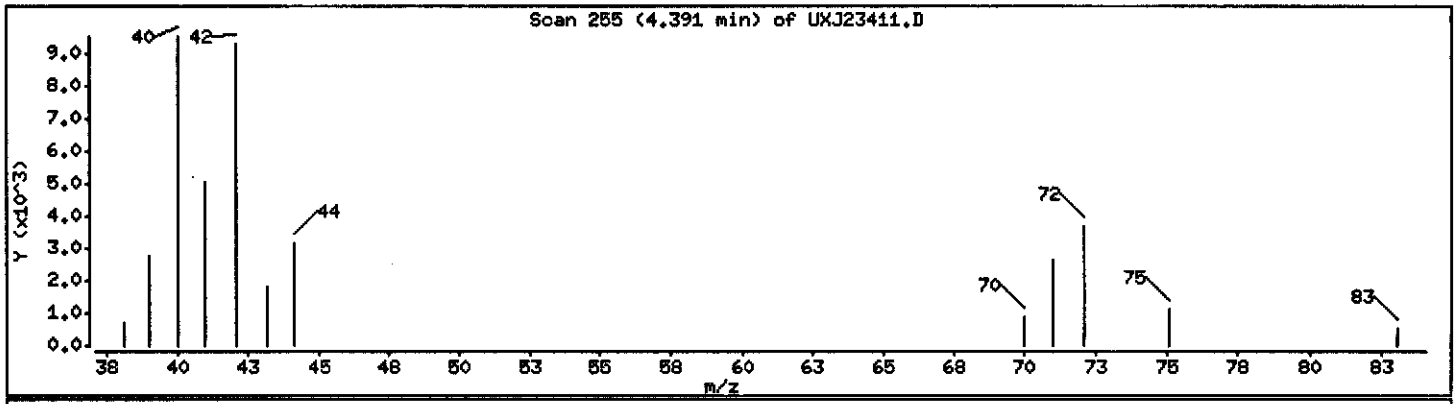
Client ID: MW023/081704 Instrument: a3ux11.i

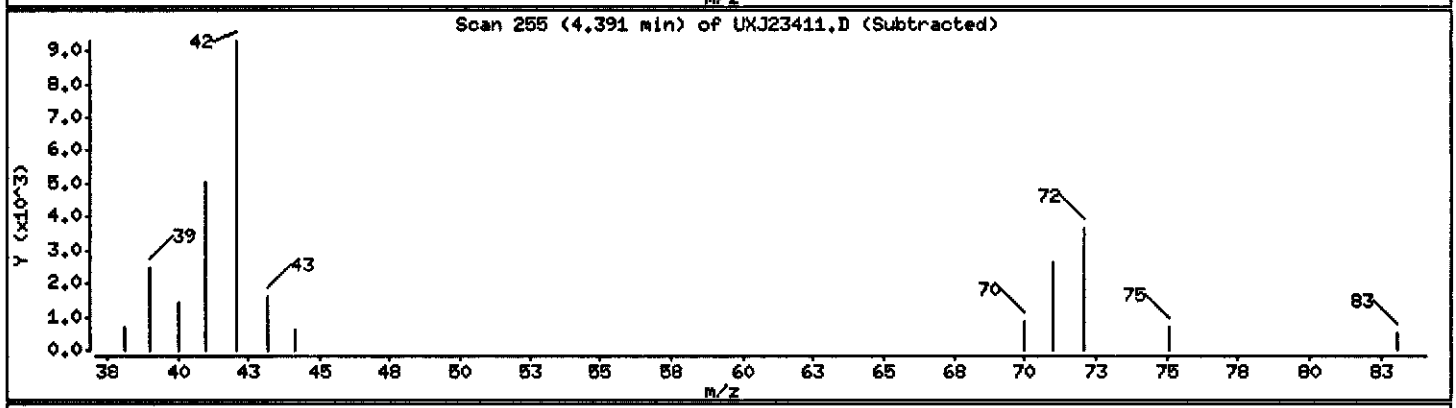
Sample Info: GNEJM1AA,5ML/5ML

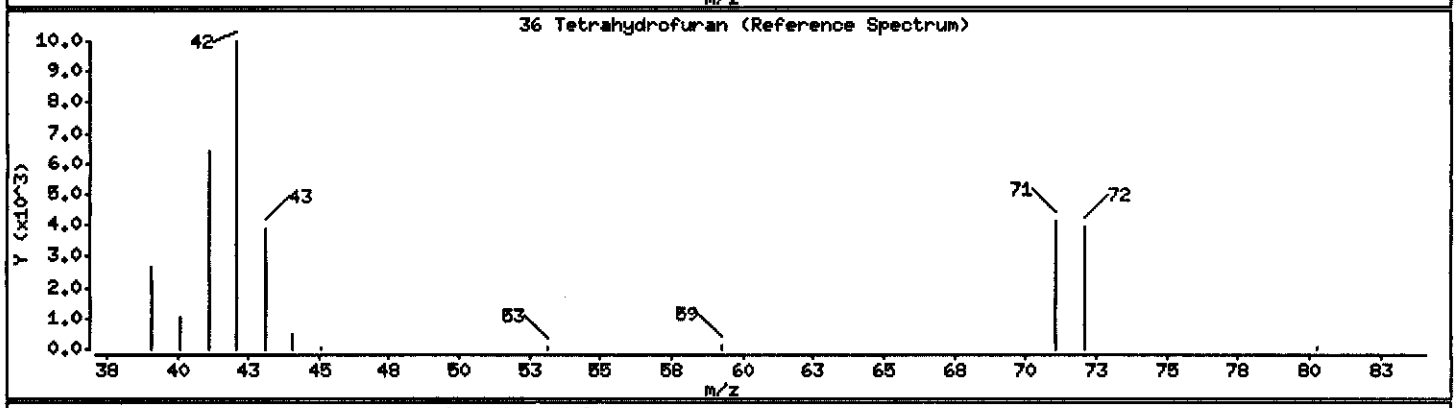
Purge Volume: 5.0 Operator: 43582

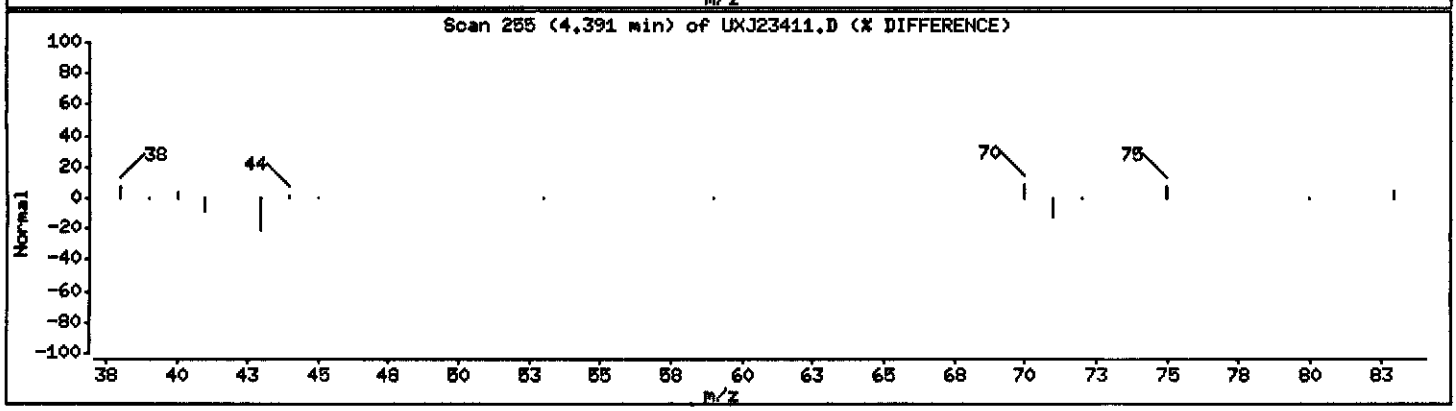
Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 1.777 ug/L









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Date : 26-AUG-2004 04:16

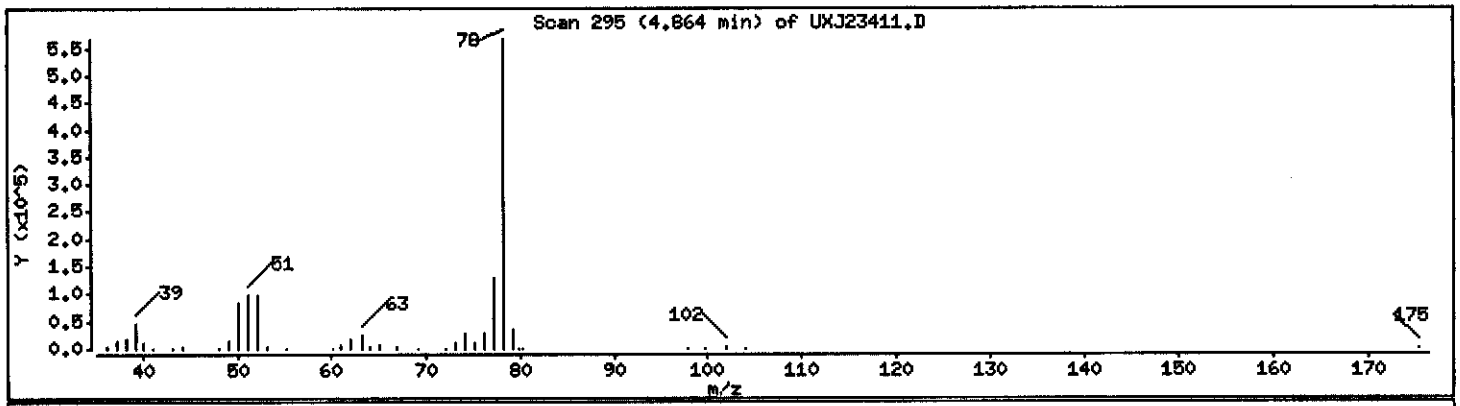
Client ID: MW023/081704 Instrument: a3ux11.i

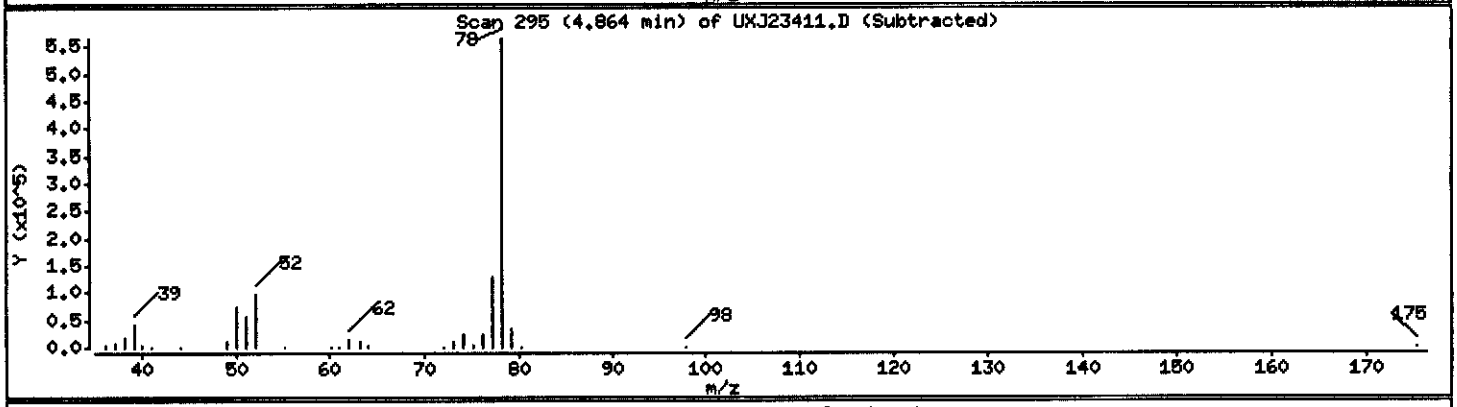
Sample Info: GNEJM1AA,5ML/5ML

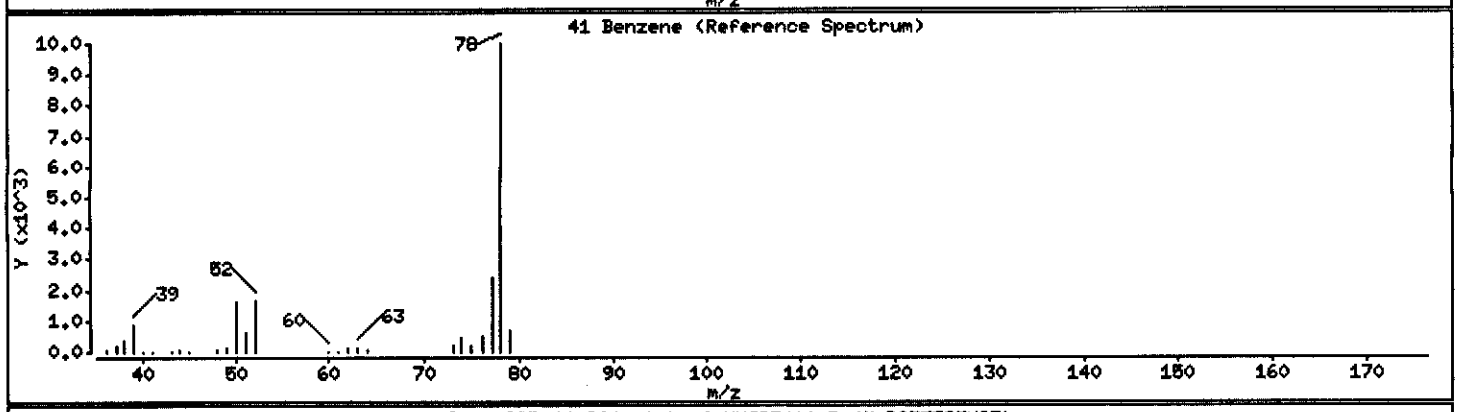
Purge Volume: 5.0 Operator: 43582

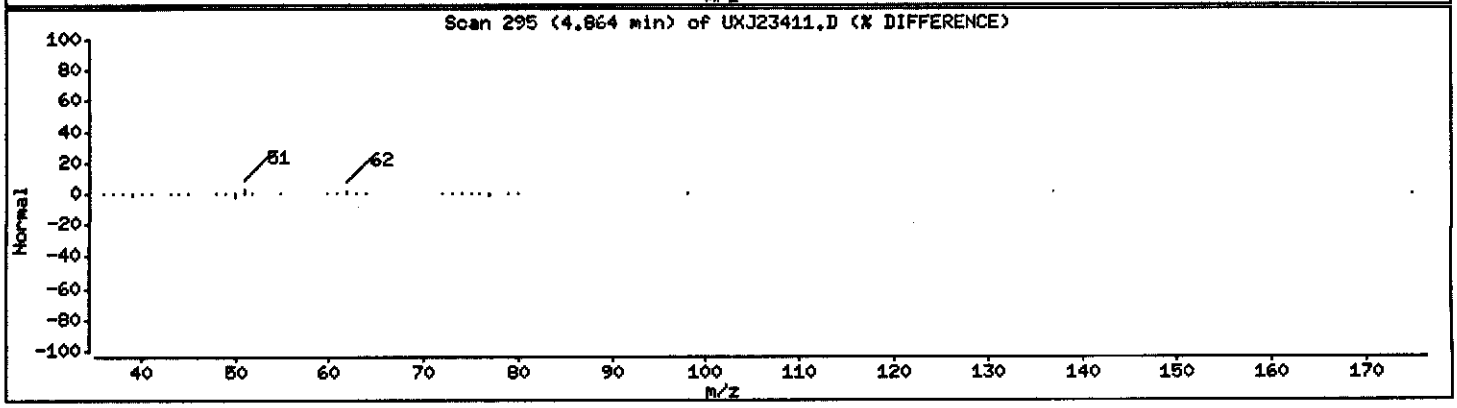
Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 7.066 ug/L









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Date : 26-AUG-2004 04:16

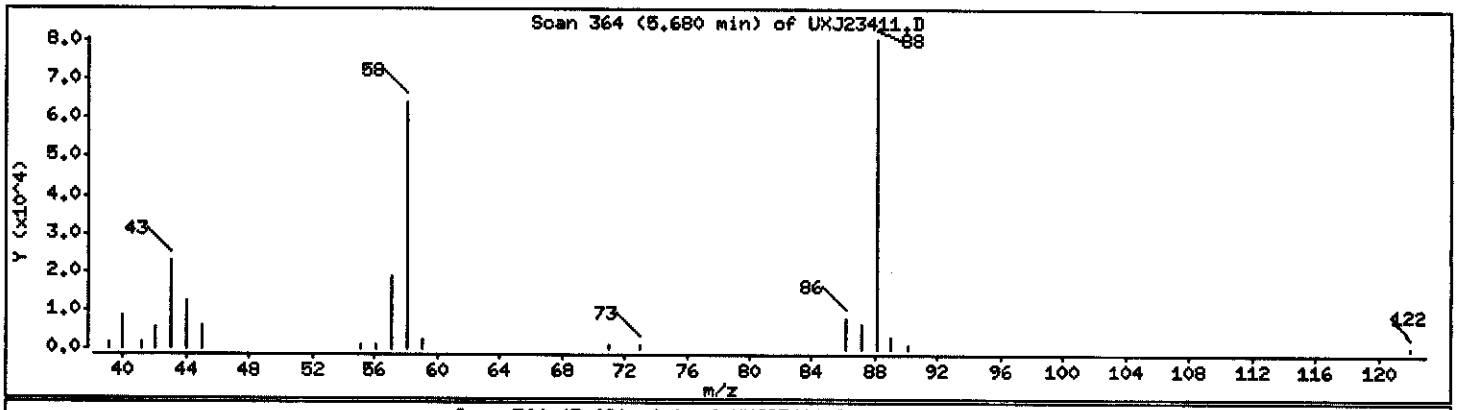
Client ID: MW023/081704 Instrument: a3ux11.i

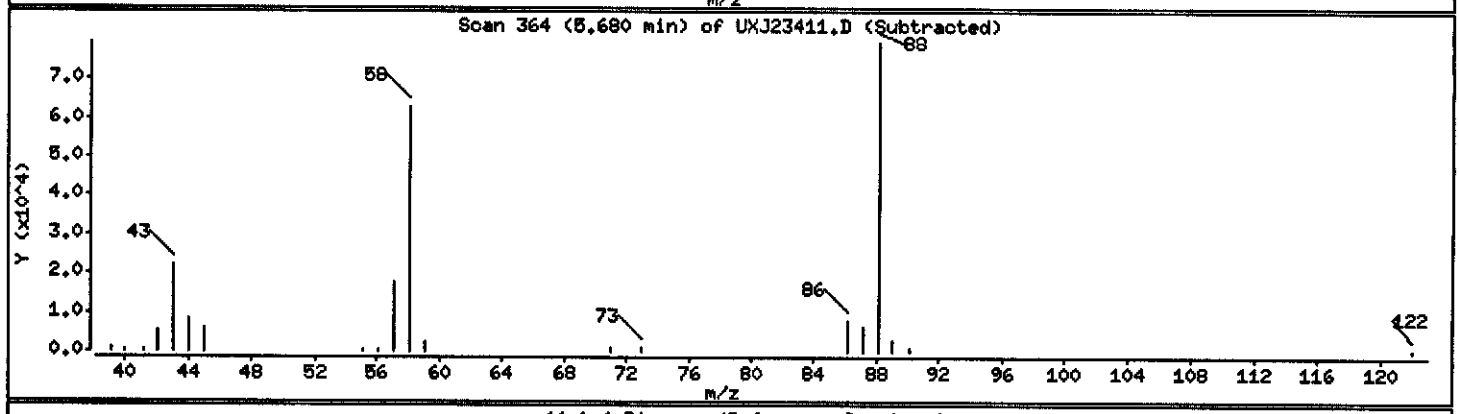
Sample Info: GNEJM1AA,5ML/5ML

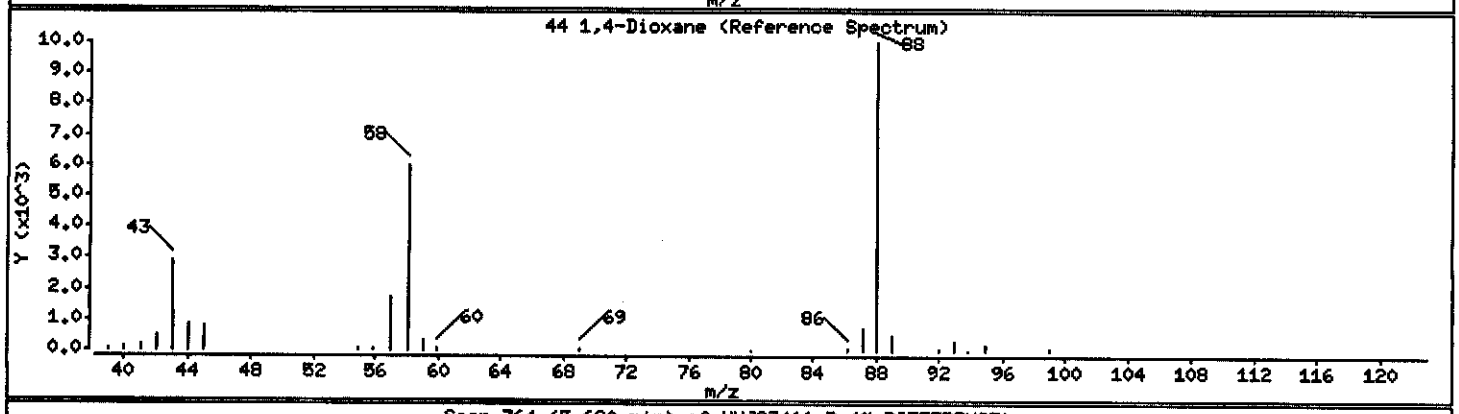
Purge Volume: 5.0 Operator: 43582

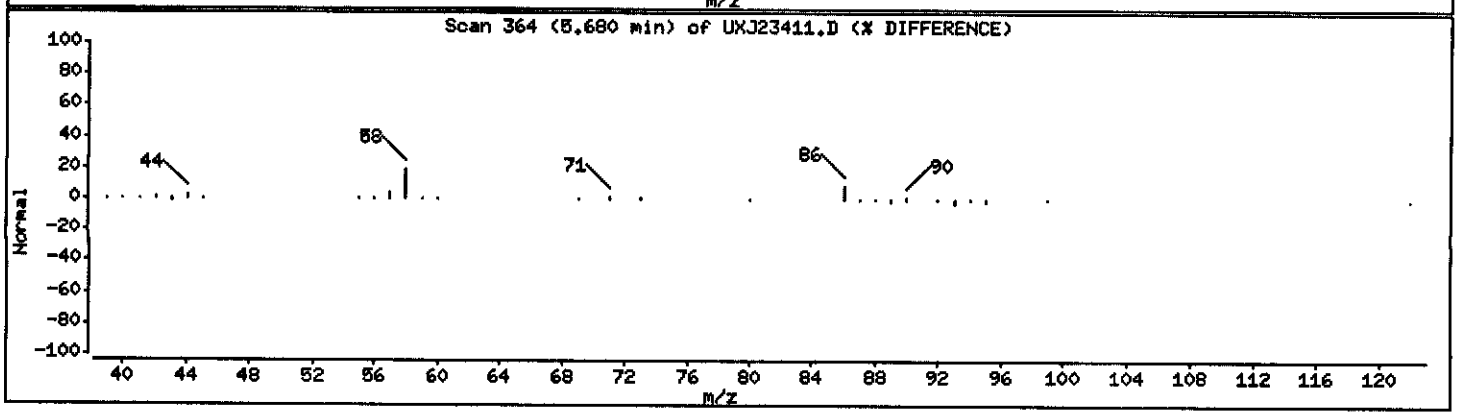
Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 454.38 ug/L









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Date : 26-AUG-2004 04:16

Client ID: MW023/081704

Instrument: a3ux11.i

Sample Info: GNEJM1AA,5ML/5ML

Purge Volume: 5.0

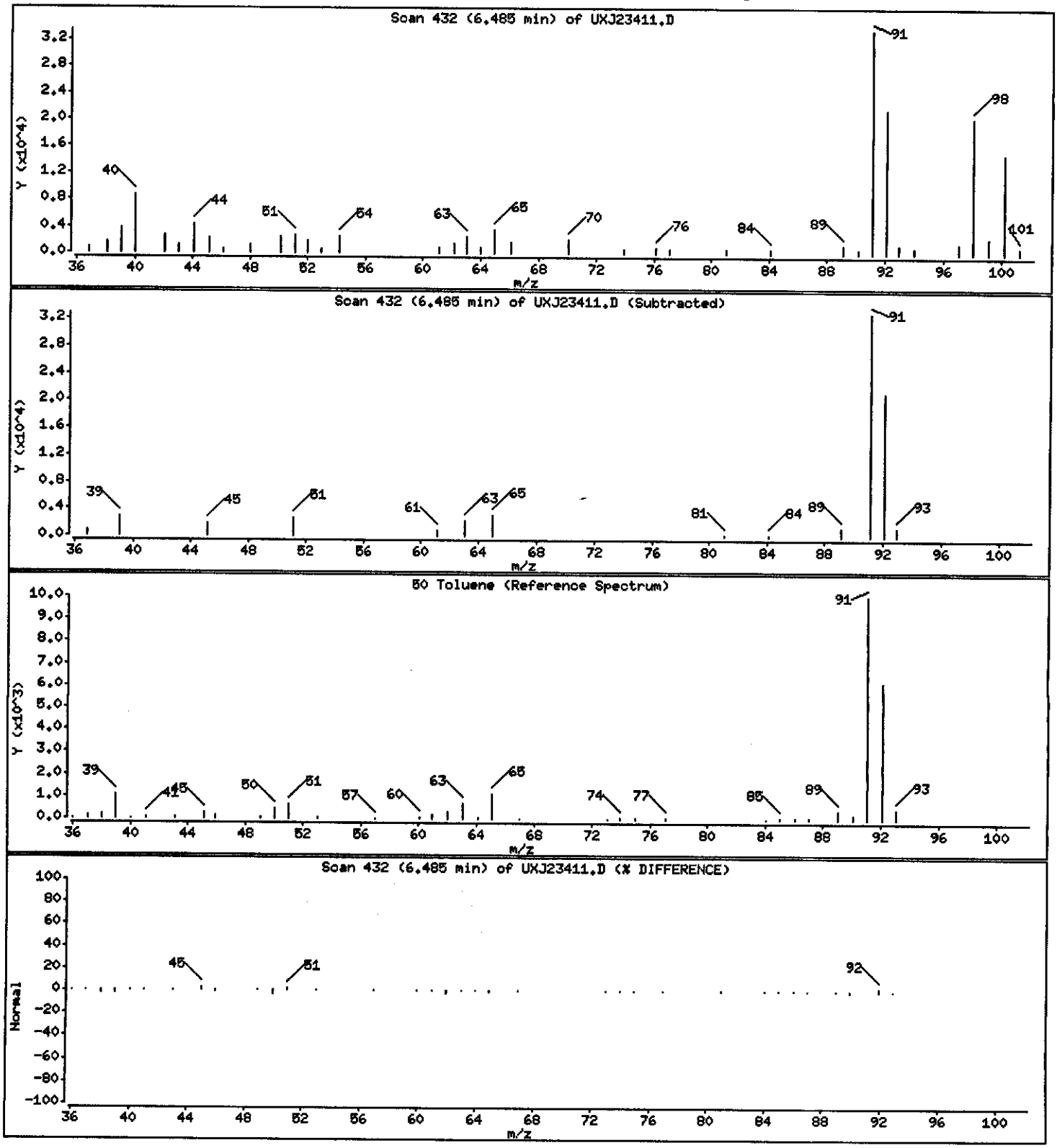
Operator: 43582

Column phase: DB624

Column diameter: 0.18

50 Toluene

Concentration: 0.3681 ug/L



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Date : 26-AUG-2004 04:16

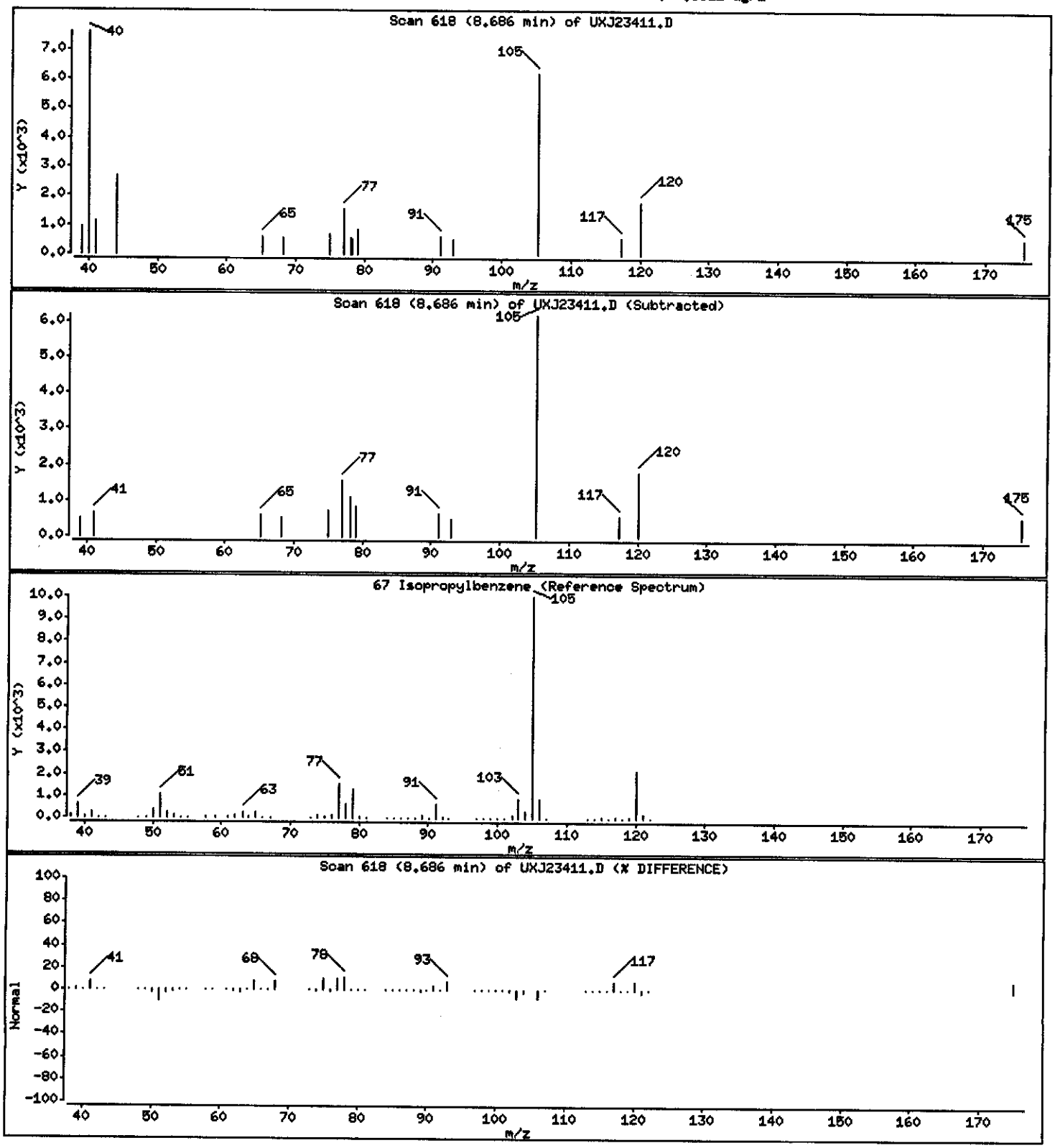
Client ID: MW023/081704 Instrument: a3ux11.i

Sample Info: GNEJM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

67 Isopropylbenzene Concentration: 0.5812 ug/L



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Date : 26-AUG-2004 04:16

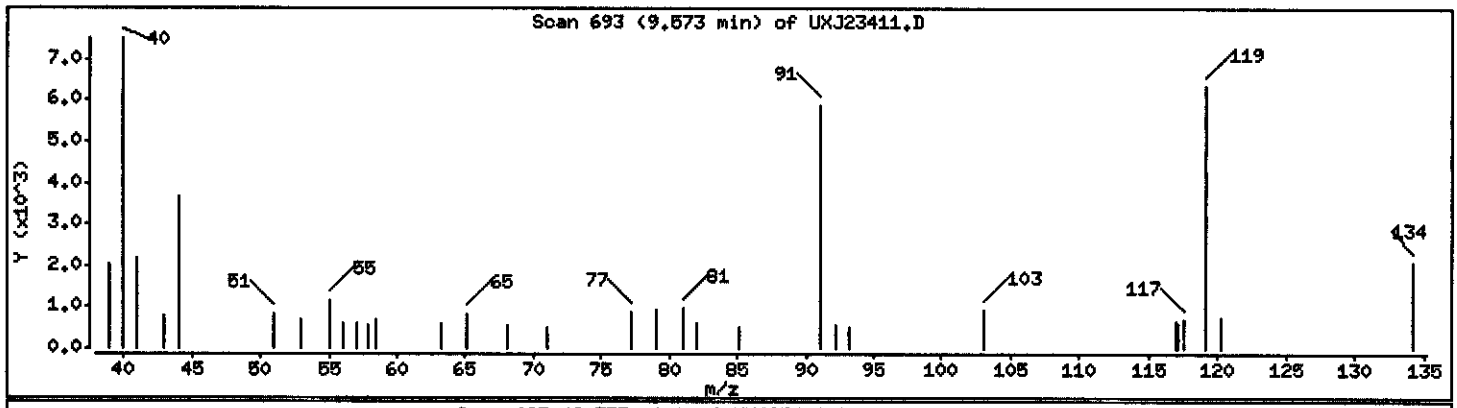
Client ID: MW023/081704 Instrument: a3ux11.i

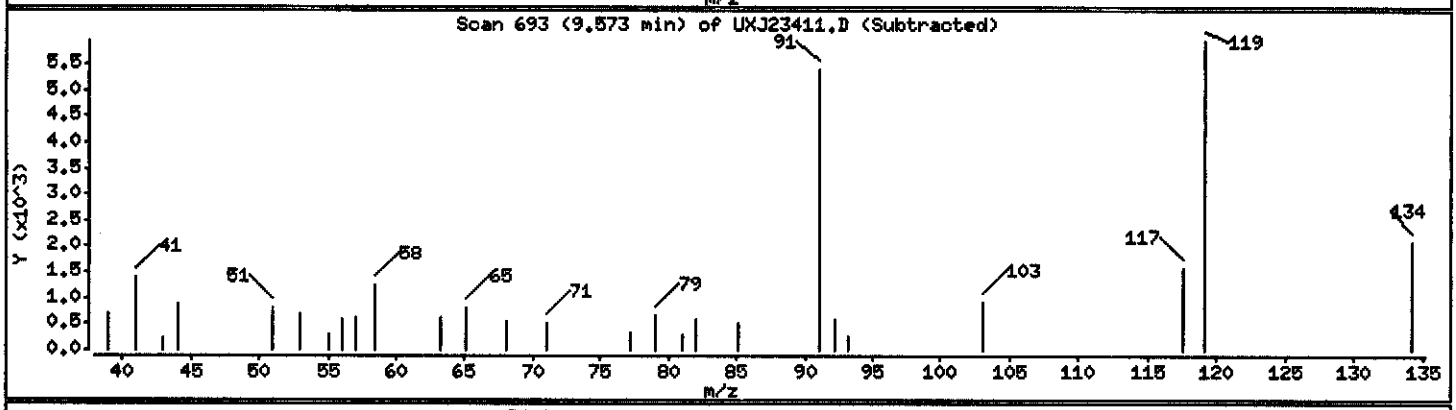
Sample Info: GNEJM1AA,5ML/5ML

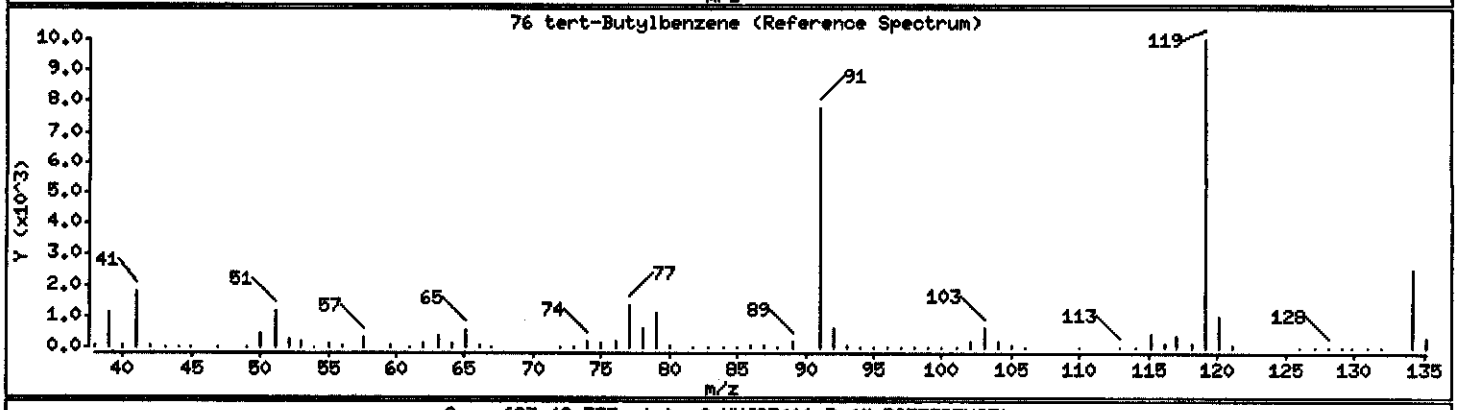
Purge Volume: 5.0 Operator: 43582

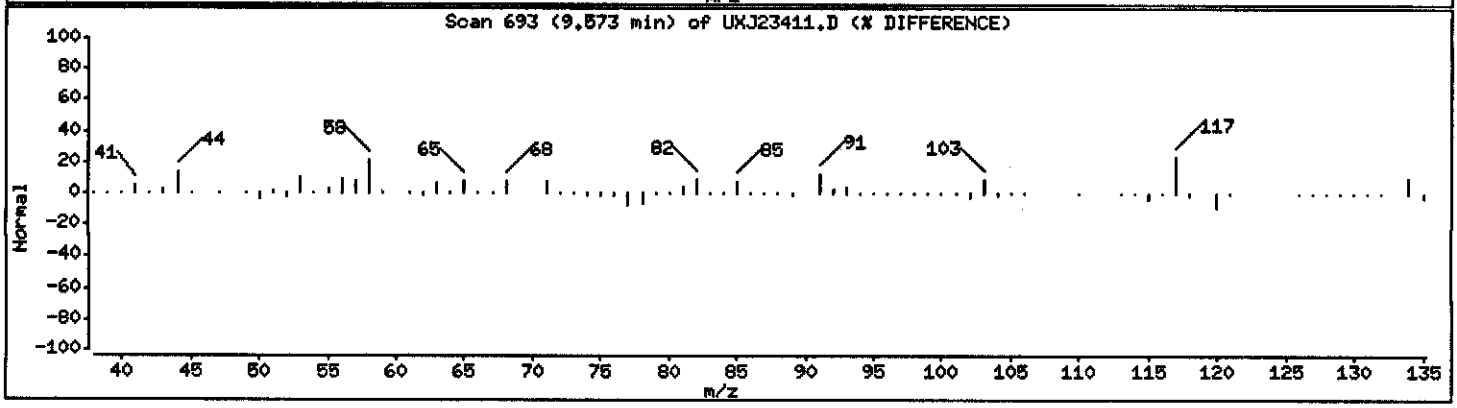
Column phase: DB624 Column diameter: 0.18

76 tert-Butylbenzene Concentration: 0.1420 ug/L









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Date : 26-AUG-2004 04:16

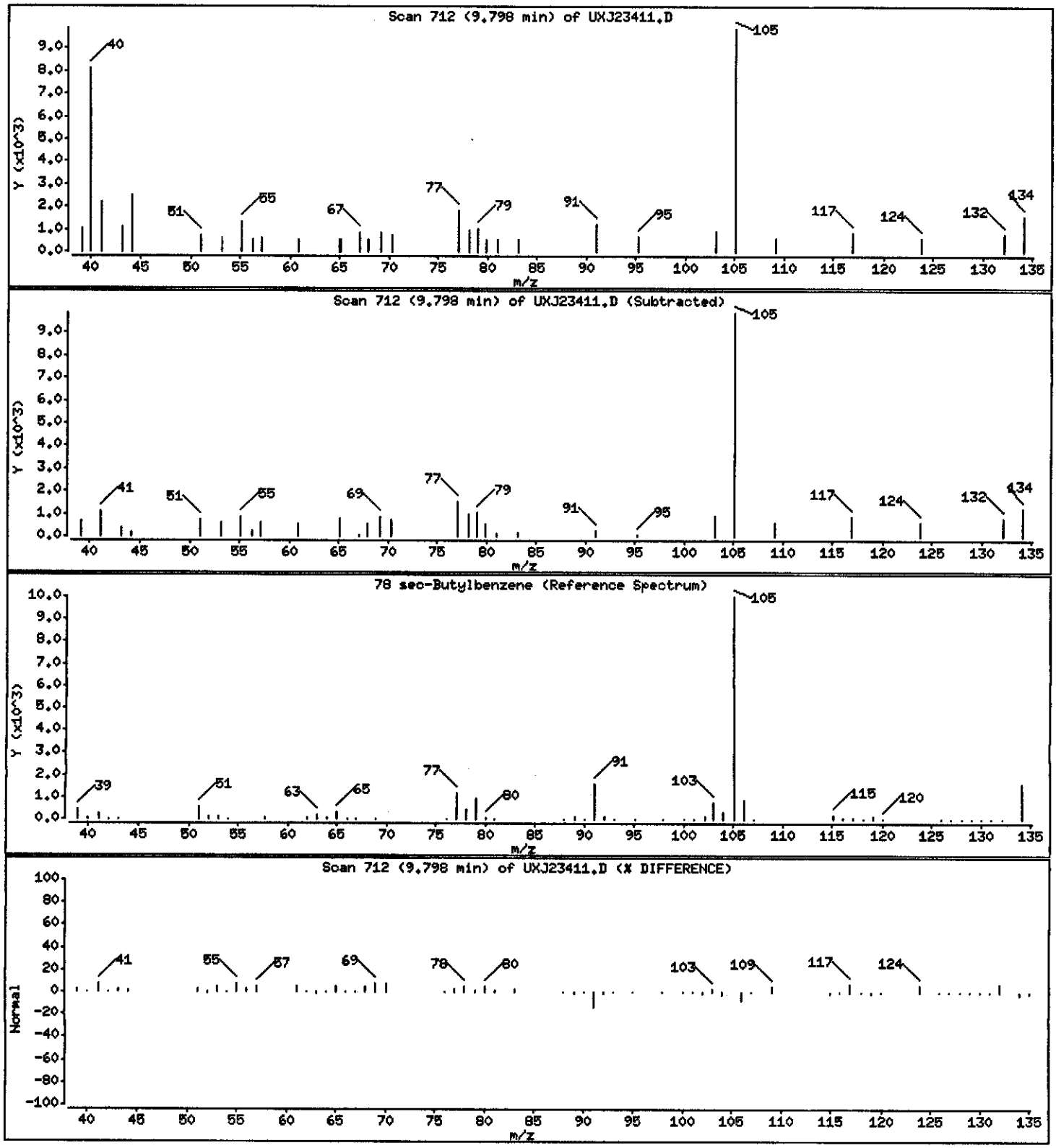
Client ID: MW023/081704 Instrument: a3ux11.i

Sample Info: GNEJM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

78 sec-Butylbenzene Concentration: 0.1585 ug/L



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Date : 26-AUG-2004 04:16

Client ID: MW023/081704

Instrument: a3ux11.i

Sample Info: GNEJM1AA,5ML/5ML

Purge Volume: 5.0

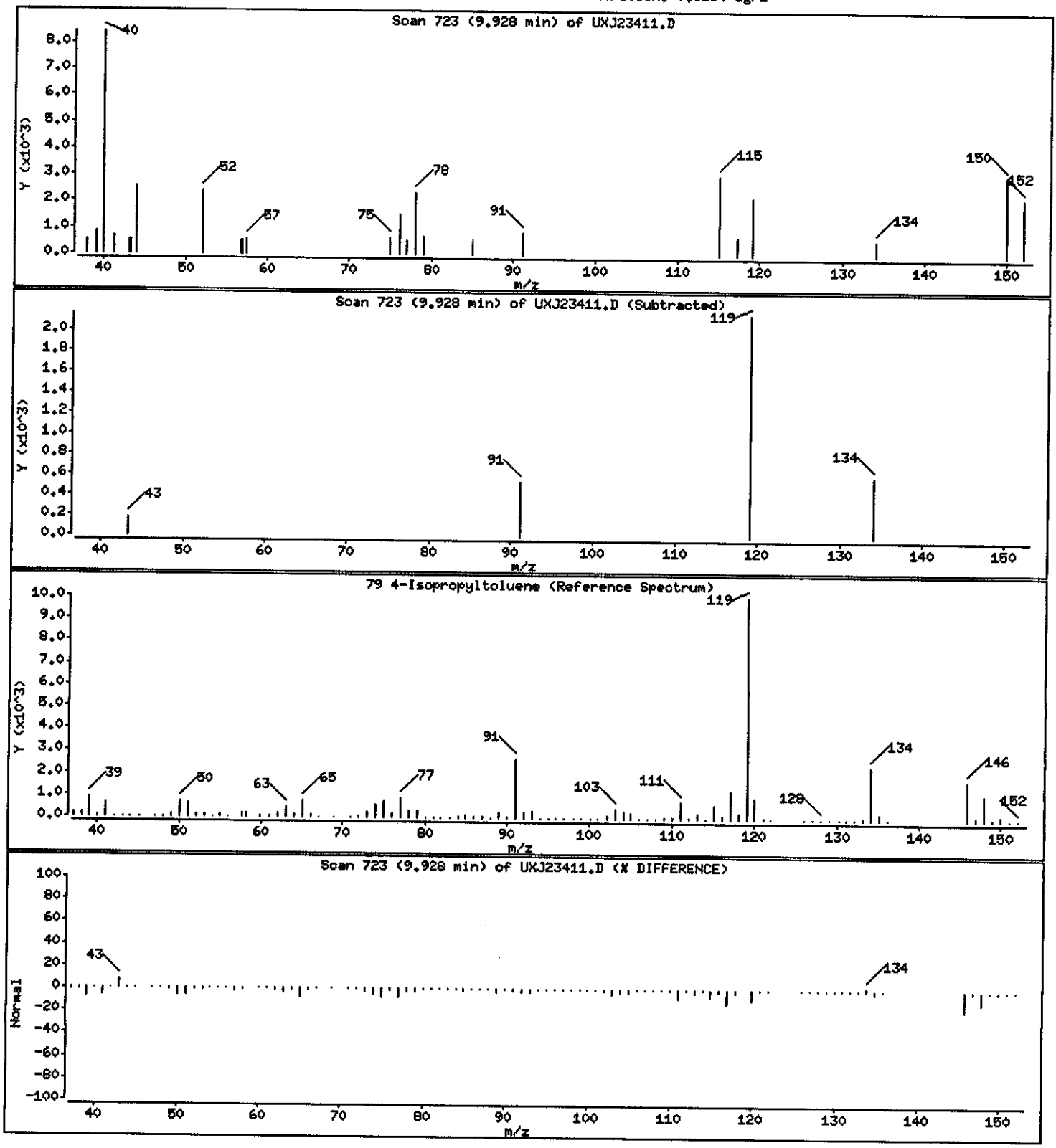
Operator: 43582

Column phase: DB624

Column diameter: 0.18

79 4-Isopropyltoluene

Concentration: 0.5234 ug/L



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Date : 26-AUG-2004 04:16

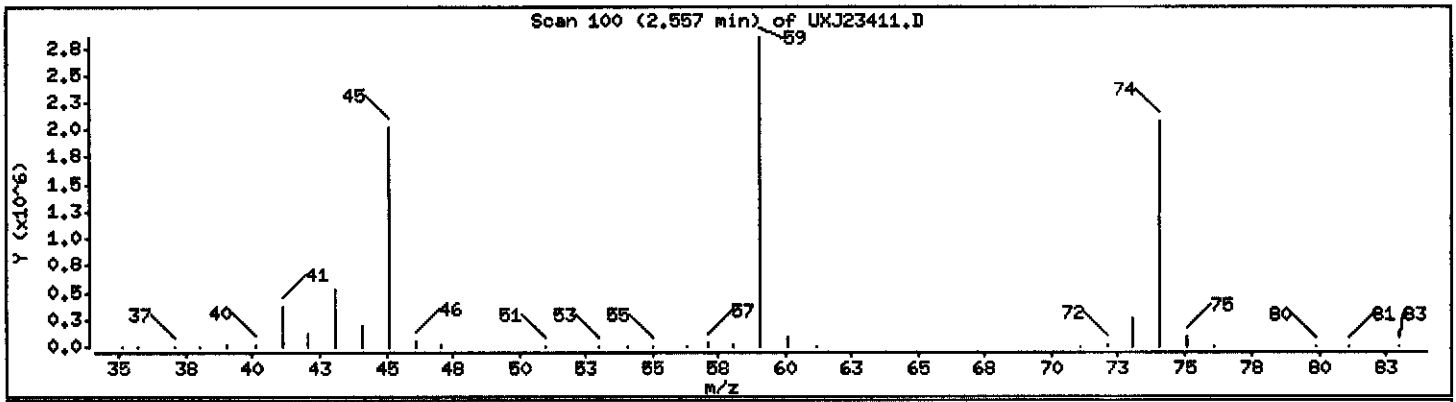
Client ID: MW023/081704 Instrument: a3ux11.i

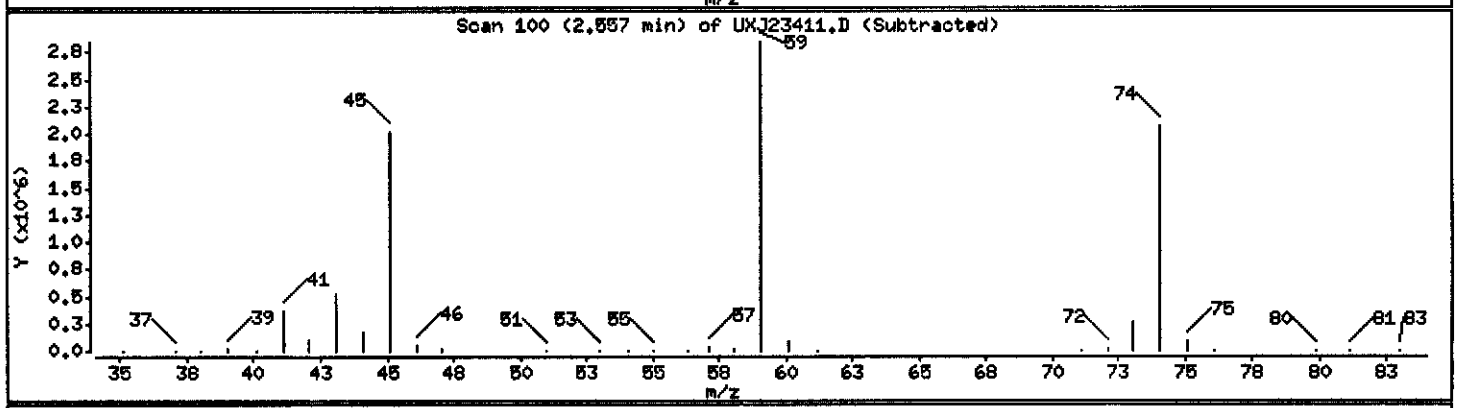
Sample Info: GNEJM1AA,5ML/5ML

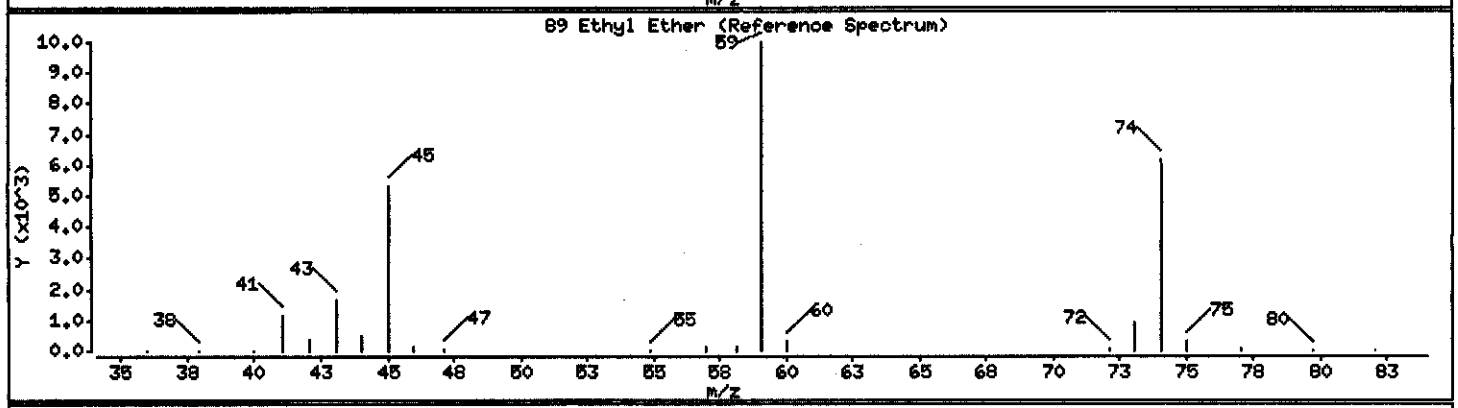
Purge Volume: 5.0 Operator: 43582

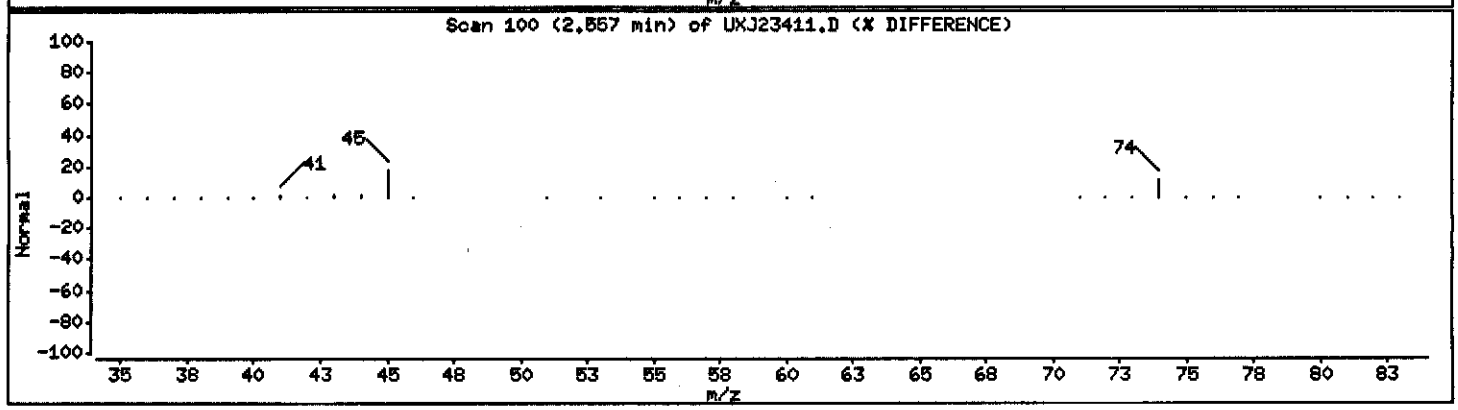
Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 149.84 ug/L









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Date : 26-AUG-2004 04:16

Client ID: MW023/081704

Instrument: a3ux11.i

Sample Info: GNEJM1AA,5ML/5ML

Purge Volume: 5.0

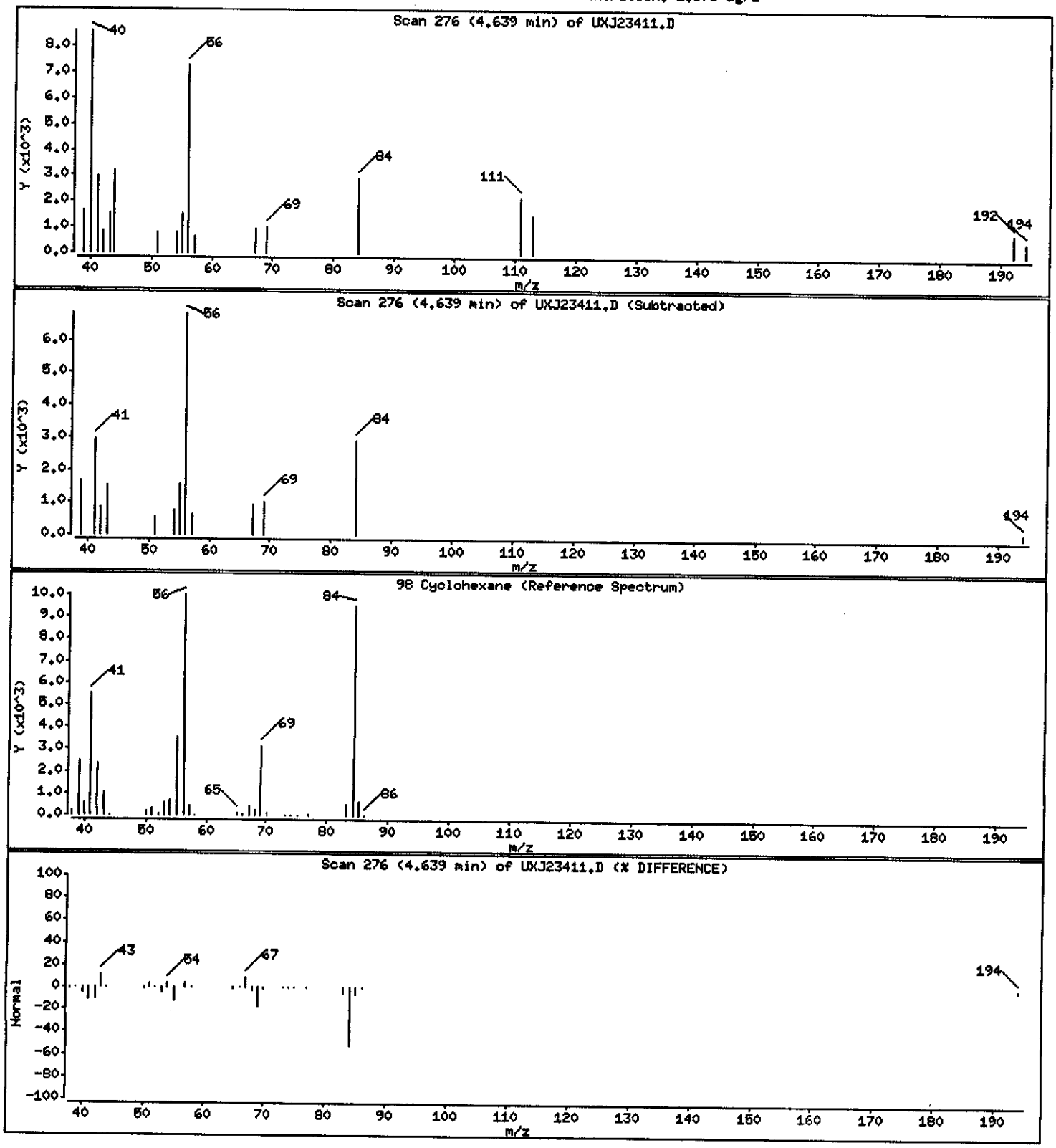
Operator: 43582

Column phase: DB624

Column diameter: 0.18

98 Cyclohexane

Concentration: 1.375 ug/L



PAYNE FIRM INC.

Client Sample ID: MW026A/081704

GC/MS Volatiles

Lot-Sample #...:	A4H180231-004	**Work Order #...:**	GNEJN1AA	**Matrix.....:**	WG
Date Sampled...:	08/17/04 11:28	**Date Received..:**	08/18/04		
Prep Date.....:	08/26/04	**Analysis Date..:**	08/26/04		
Prep Batch #...:	4239136				
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	**2.9 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW026A/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-004 **Work Order #...:** GNEJN1AA **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	**0.49 J**	**10**	**ug/L**
Propionitrile	ND	4.0	ug/L
Styrene	**0.47 J**	**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	**0.41 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

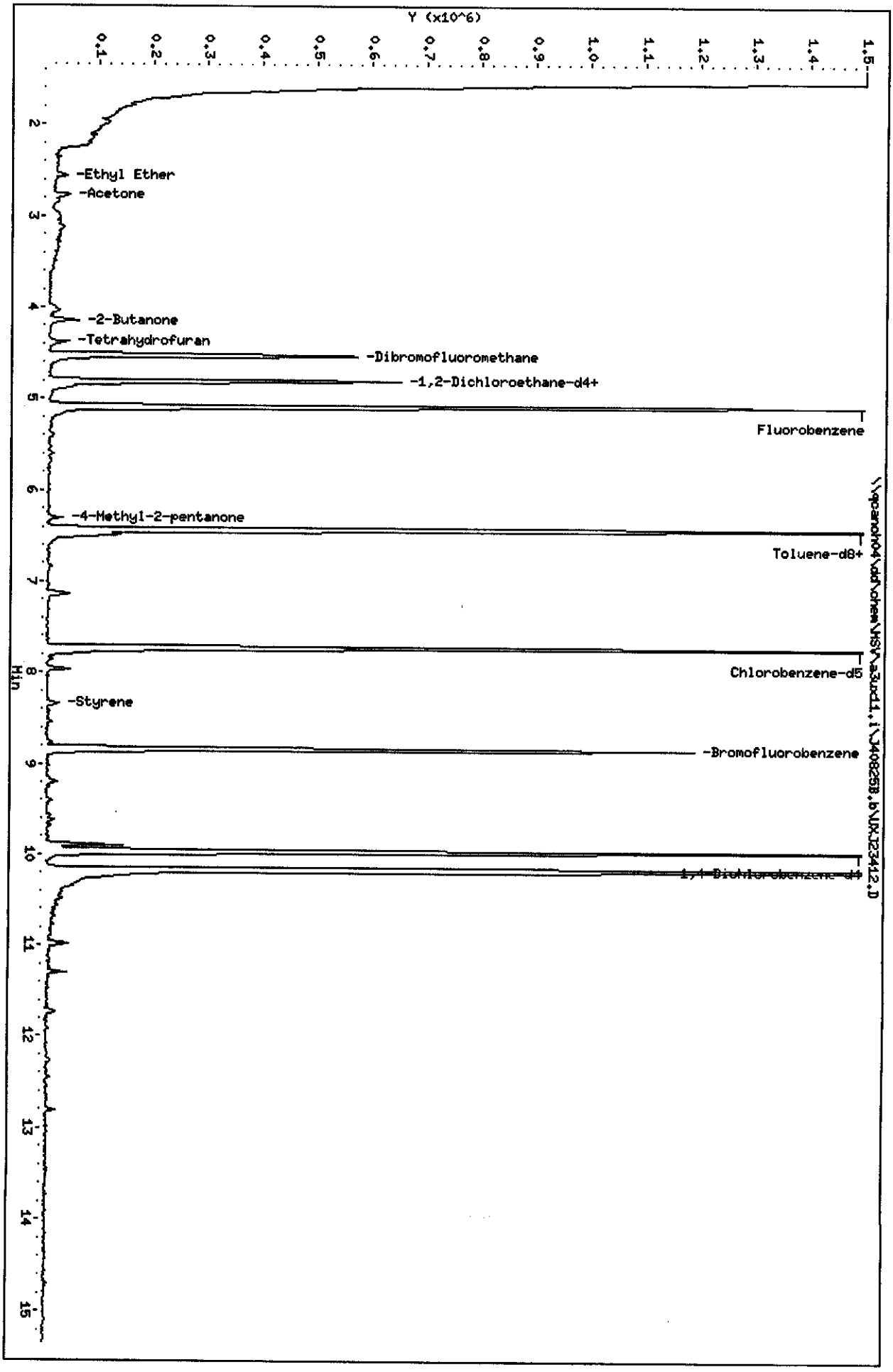
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\HSV\a3ud1.i\J40825B.b\UX123412.D
Date : 26-AUG-2004 04:38
Client ID: MW0264/081704
Sample Info: GNEJN1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23412.D
Report Date: 26-Aug-2004 10:30

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23412.D
Lab Smp Id: GNEJN1AA Client Smp ID: MW026A/081704
Inj Date : 26-AUG-2004 04:38
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GNEJN1AA,5ML/5ML
Misc Info : J40825B,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m
Meth Date : 26-Aug-2004 10:17 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 51
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	5.088	5.088	(1.000)	1572475	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1259121	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	626493	50.0000	
$ 4 Dibromofluoromethane	113	4.532	4.520	(0.891)	419449	56.6802	11.336
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	520035	53.0618	10.612
$ 6 Toluene-d8	98	6.437	6.425	(0.832)	1442487	47.8176	9.564
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	517467	40.4757	8.095
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	2.769	2.769	(0.544)	70917	7.23111	1.446
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23412.D
Report Date: 26-Aug-2004 10:30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	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	4.142	4.142	(0.814)	69094	14.6279	2.926
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	4.378	4.378	(0.860)	21975	8.53066	1.706
	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	4.863	4.863	(0.956)	32544	0.91946	0.1839
	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	6.307	6.295	(1.240)	19758	2.43340	0.4867
	50 Toluene	91	6.496	6.485	(0.839)	73163	2.05660	0.4113
	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	8.354	8.354	(1.080)	3850	2.35422	0.4708
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23412.D
Report Date: 26-Aug-2004 10:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.556	2.556	(0.502)	13126	1.69288	0.3386
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.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23412.D

Date : 26-AUG-2004 04:38

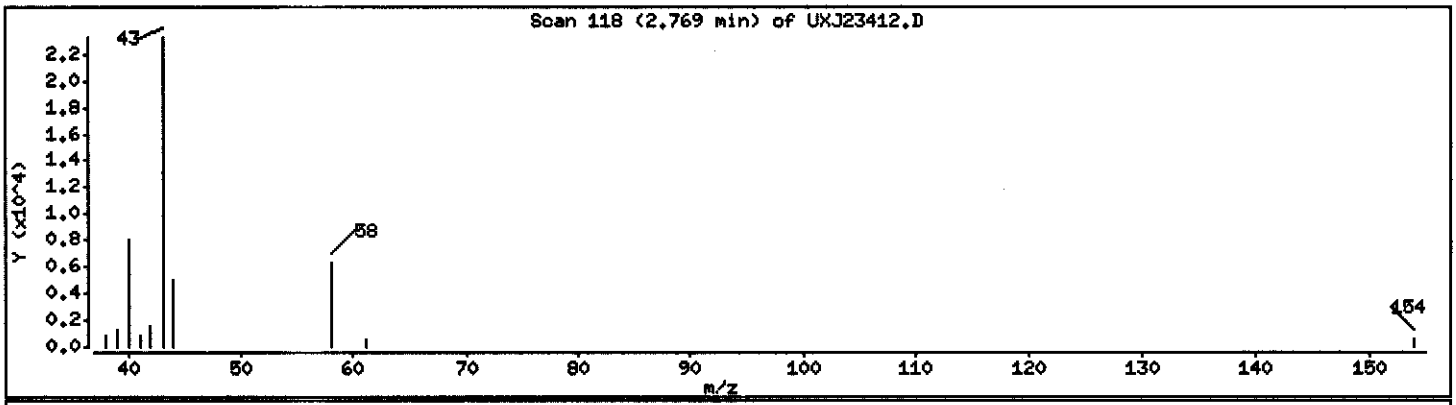
Client ID: MW026A/081704 Instrument: a3ux11.i

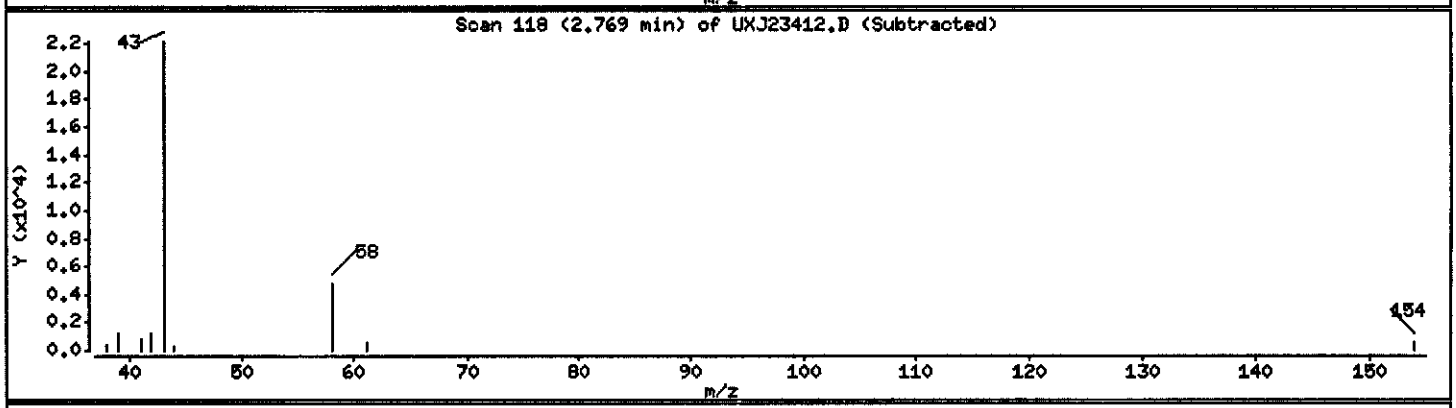
Sample Info: GNEJN1AA,5ML/5ML

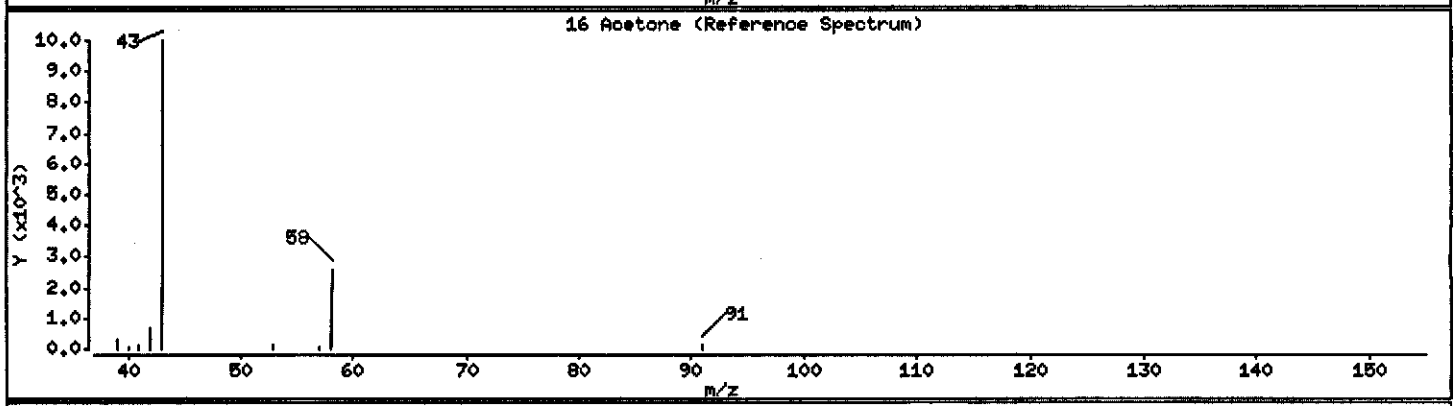
Purge Volume: 5.0 Operator: 43582

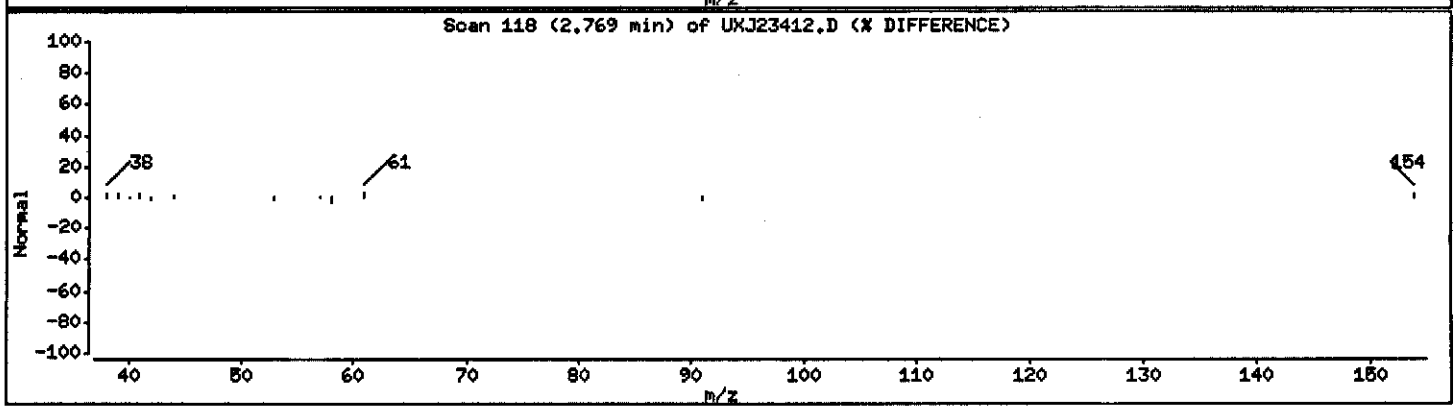
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 1.446 ug/L









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Date : 26-AUG-2004 04:38

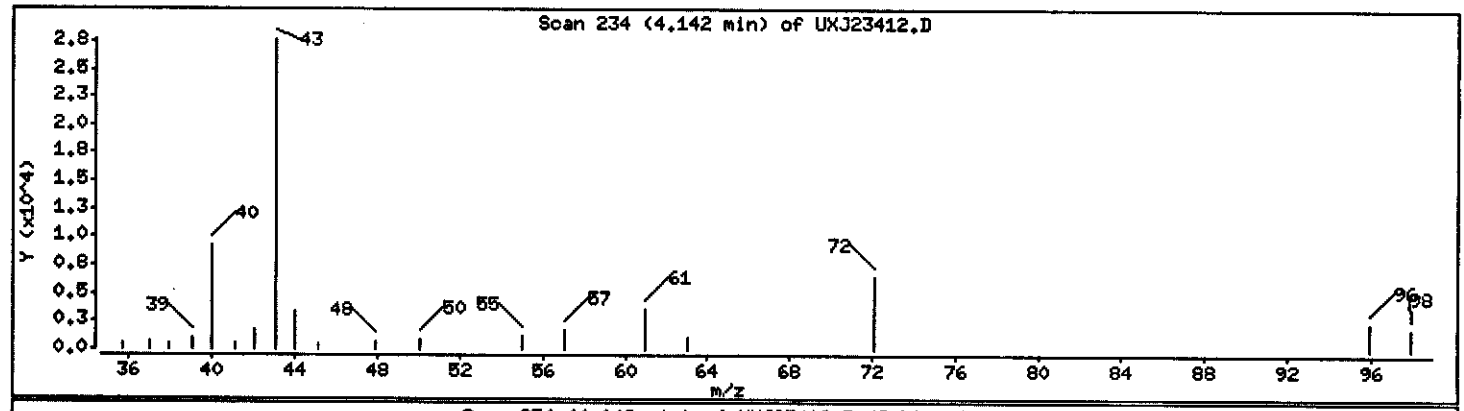
Client ID: MW026A/081704 Instrument: a3ux11.i

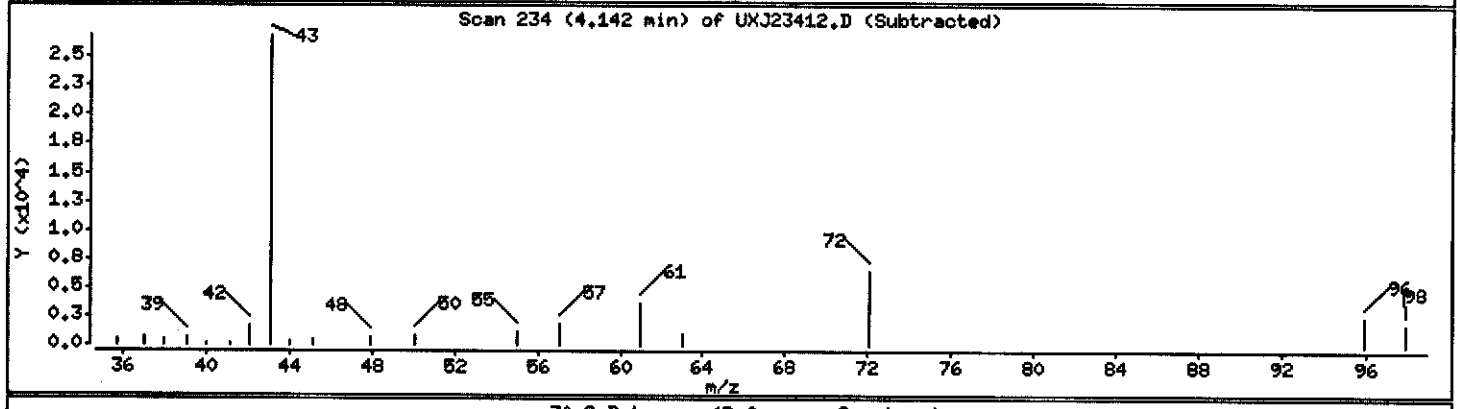
Sample Info: CNEJN1AA,5ML/5ML

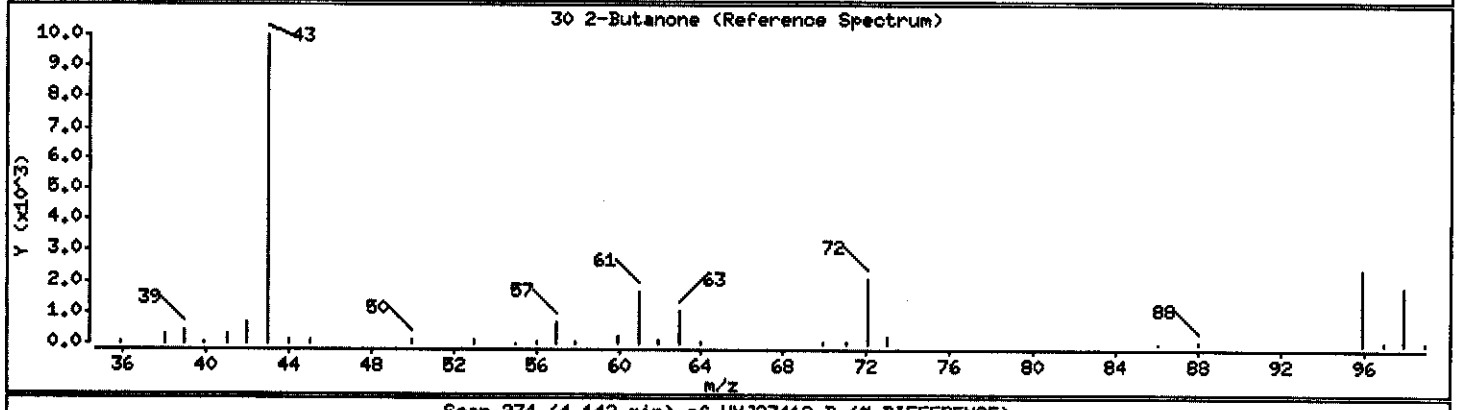
Purge Volume: 5.0 Operator: 43582

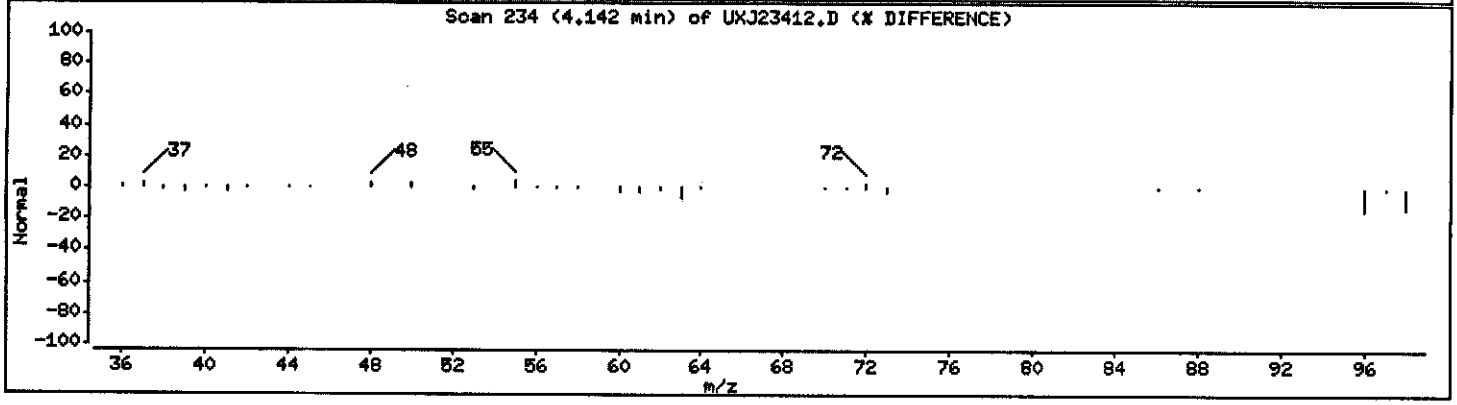
Column phase: DB624 Column diameter: 0.18

30 2-Butanone Concentration: 2.926 ug/L









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Date : 26-AUG-2004 04:38

Client ID: MW026A/081704

Instrument: a3ux11.i

Sample Info: GNEJN1AA,5ML/5ML

Purge Volume: 5.0

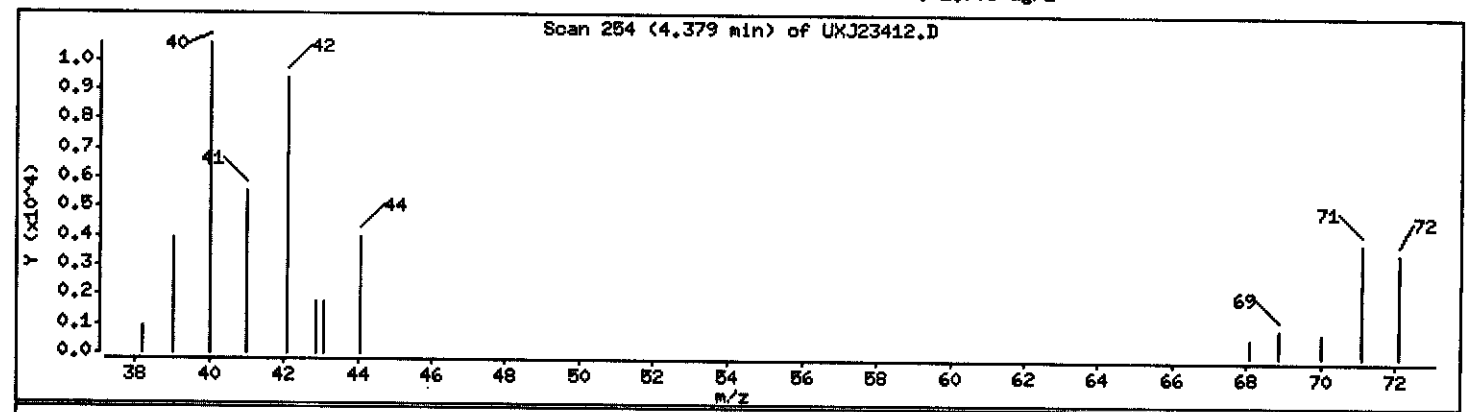
Operator: 43582

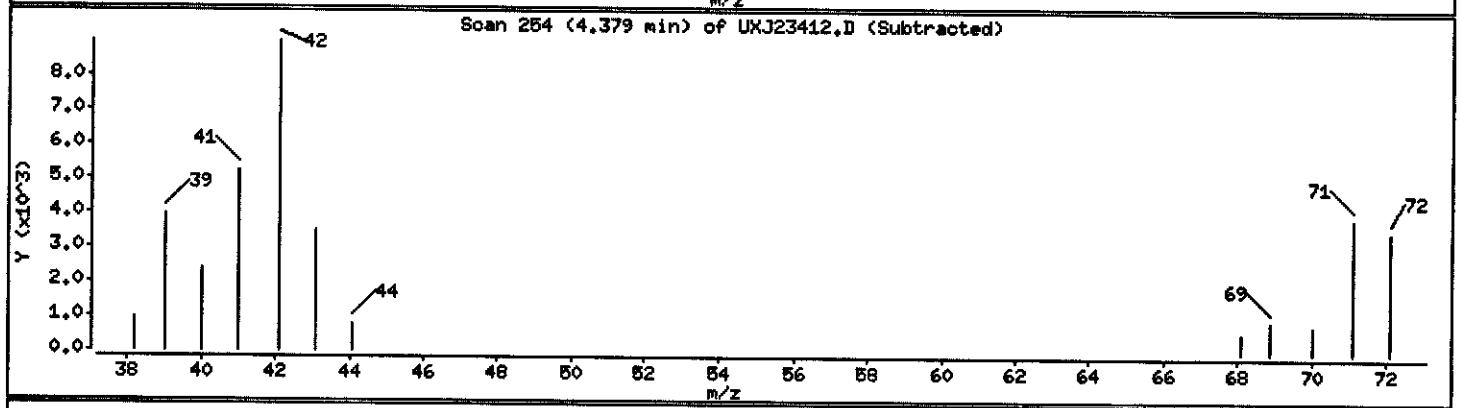
Column phase: DB624

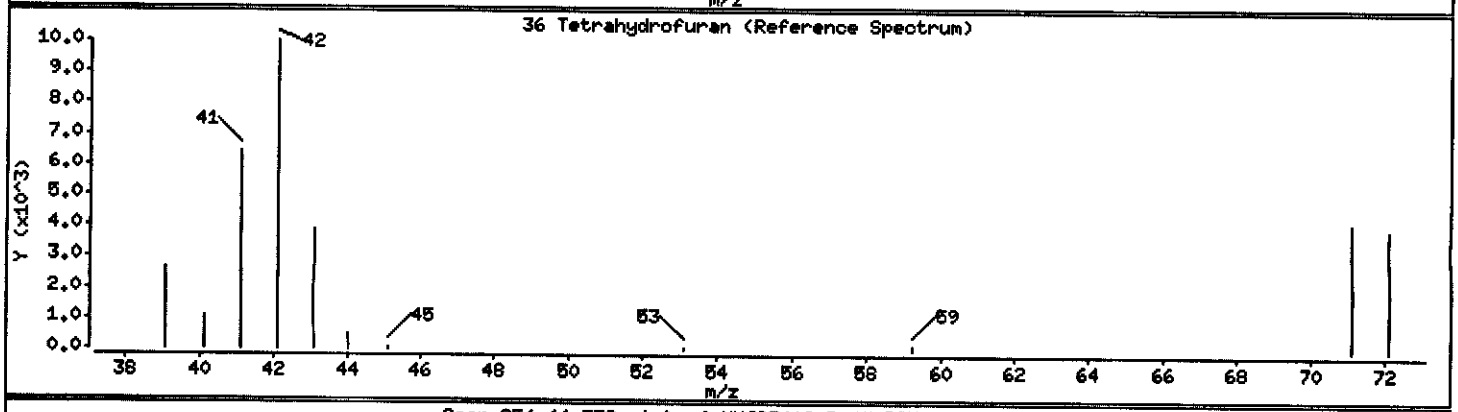
Column diameter: 0.18

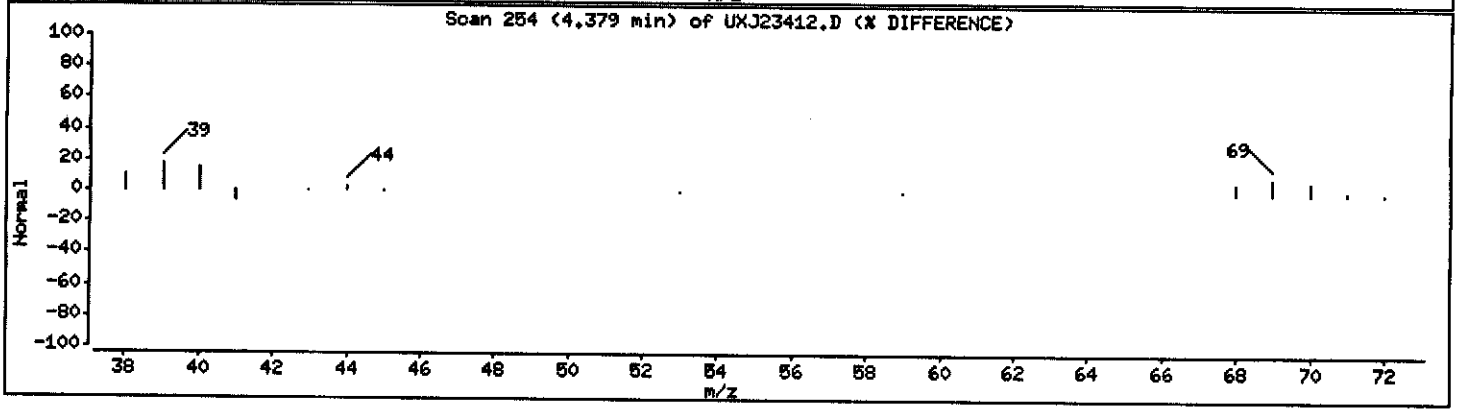
36 Tetrahydrofuran

Concentration: 1.706 ug/L









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Date : 26-AUG-2004 04:38

Client ID: MW026A/081704

Instrument: a3ux11.i

Sample Info: GNEJN1AA,5ML/5ML

Purge Volume: 5.0

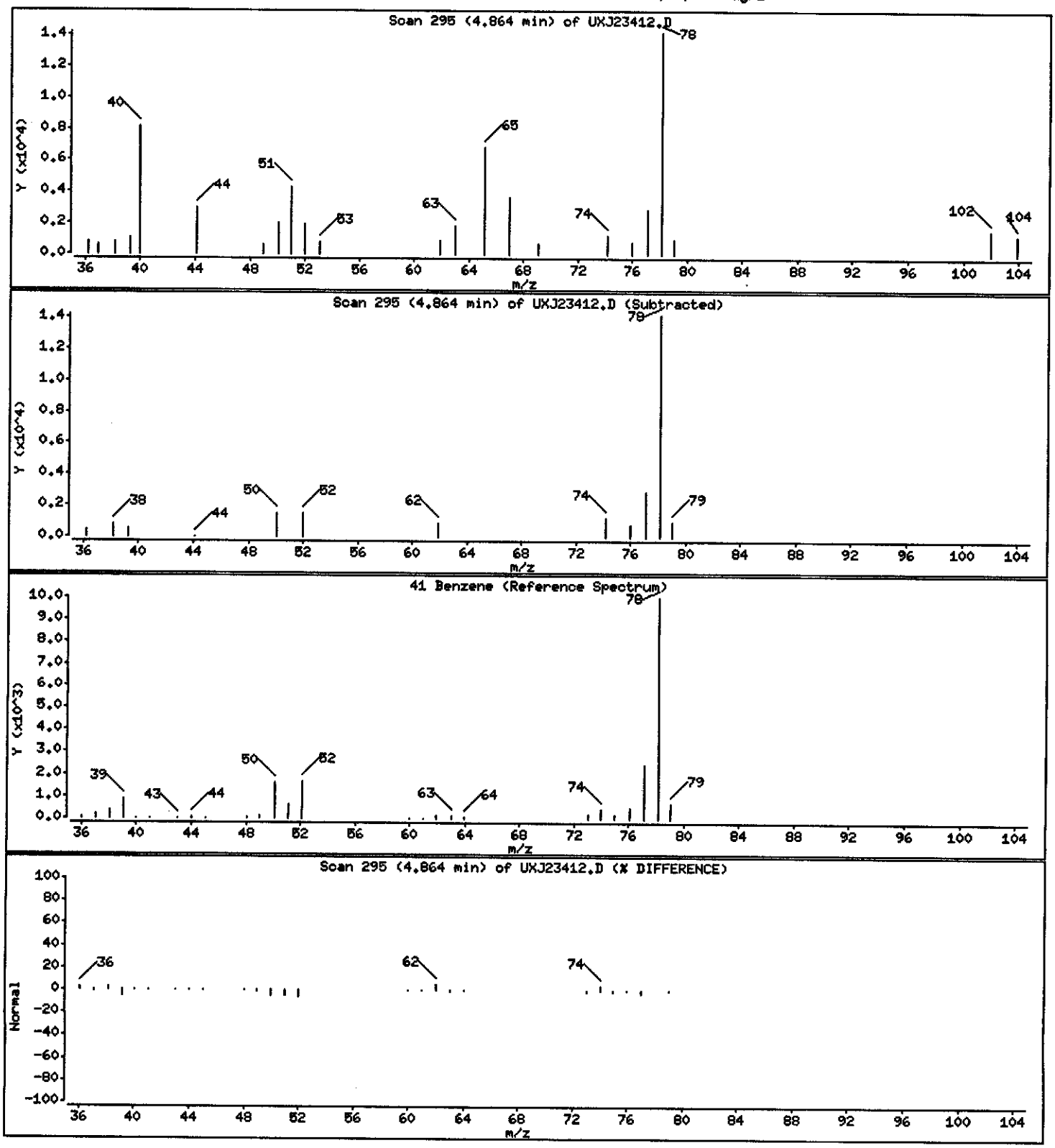
Operator: 43582

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 0.1839 ug/L



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Date : 26-AUG-2004 04:38

Client ID: MW026A/081704

Instrument: a3ux11.i

Sample Info: GNEJN1AA,5ML/5ML

Purge Volume: 5.0

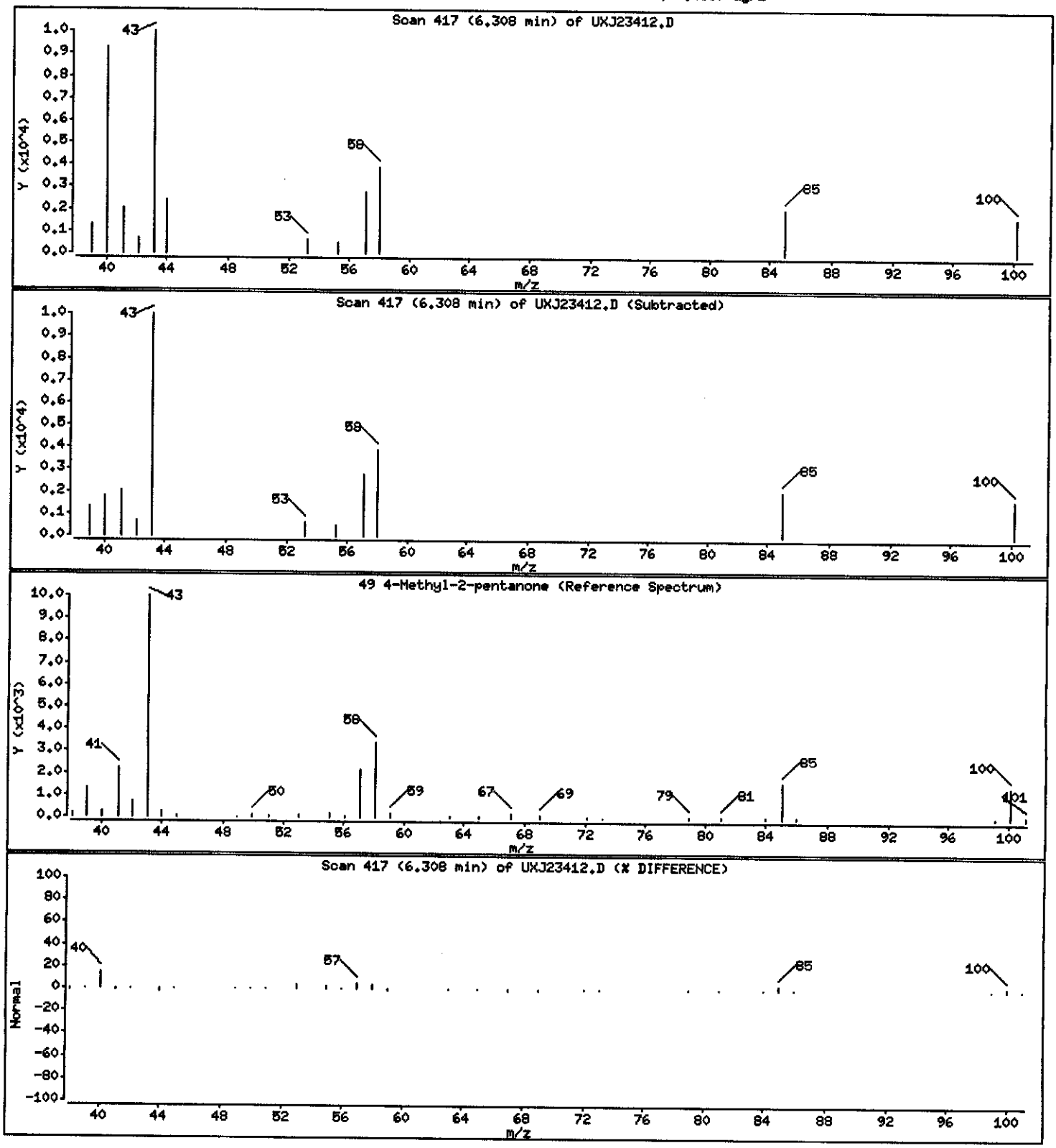
Operator: 43582

Column phase: DB624

Column diameter: 0.18

49 4-Methyl-2-pentanone

Concentration: 0.4867 ug/L



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Date : 26-AUG-2004 04:38

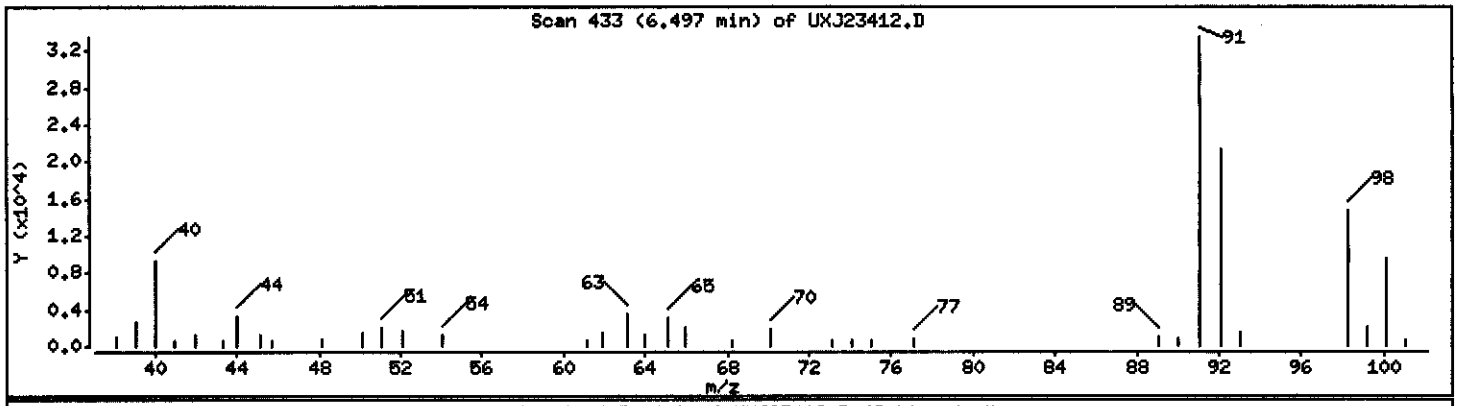
Client ID: MW026A/081704 Instrument: a3ux11.i

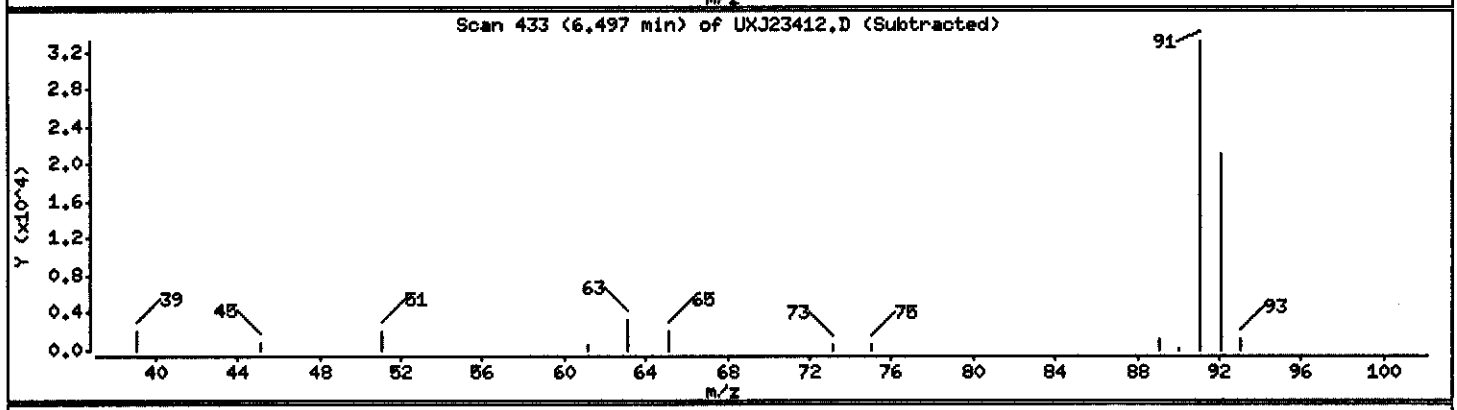
Sample Info: GNEJN1AA,5ML/5ML

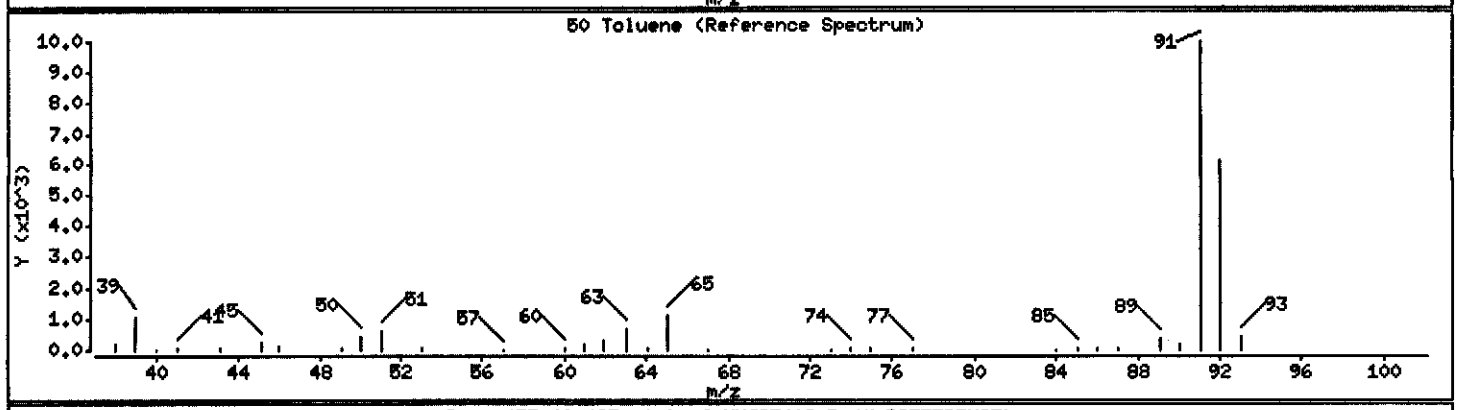
Purge Volume: 5.0 Operator: 43582

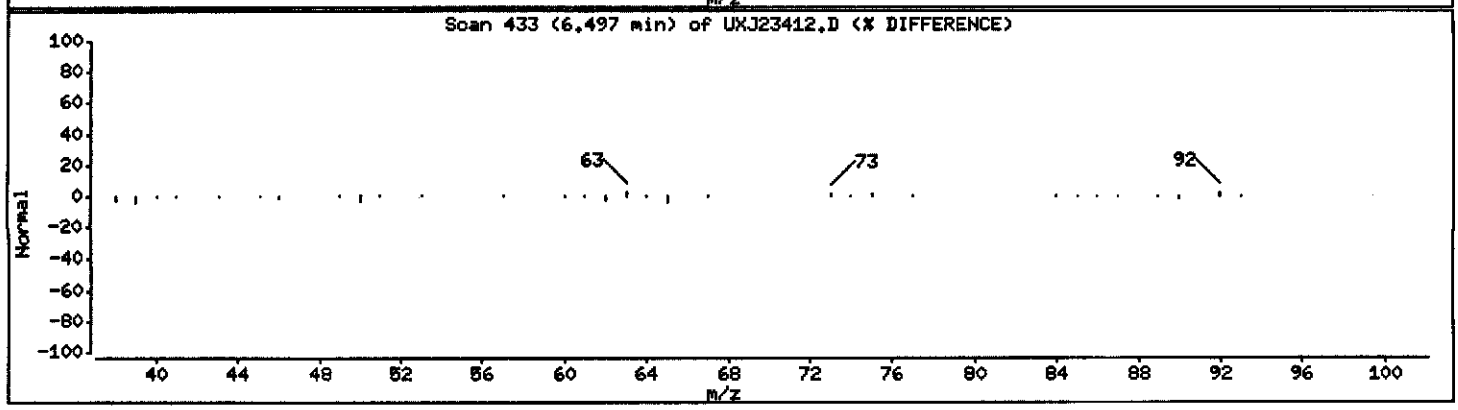
Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.4113 ug/L









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Date : 26-AUG-2004 04:38

Client ID: MW026A/081704

Instrument: a3ux11.i

Sample Info: GNEJN1AA,5ML/5ML

Purge Volume: 5.0

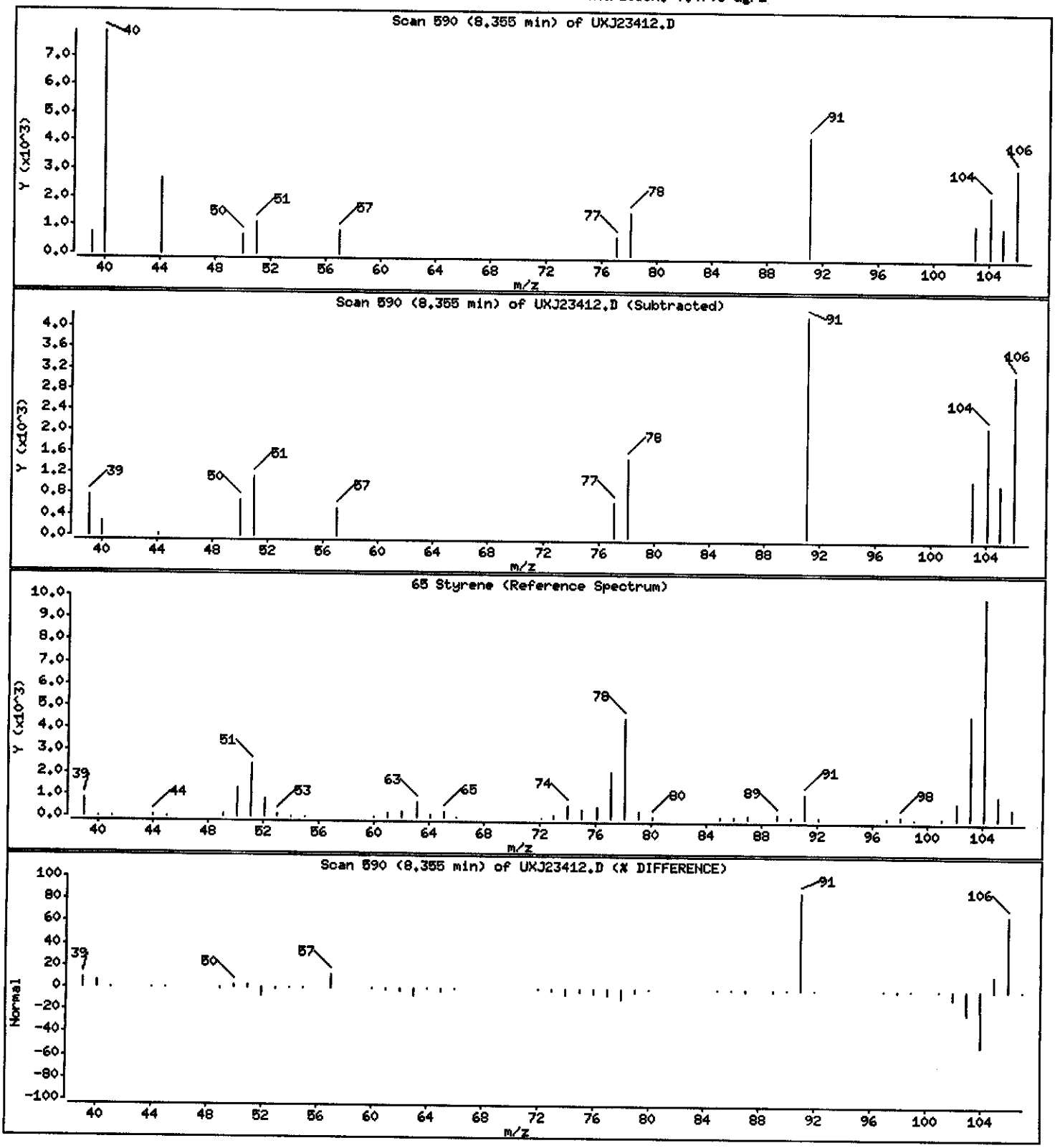
Operator: 43582

Column phase: DB624

Column diameter: 0.18

65 Styrene

Concentration: 0.4708 ug/L



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Date : 26-AUG-2004 04:38

Client ID: MW026A/081704

Instrument: a3ux11.i

Sample Info: GNEJN1AA,5ML/5ML

Purge Volume: 5.0

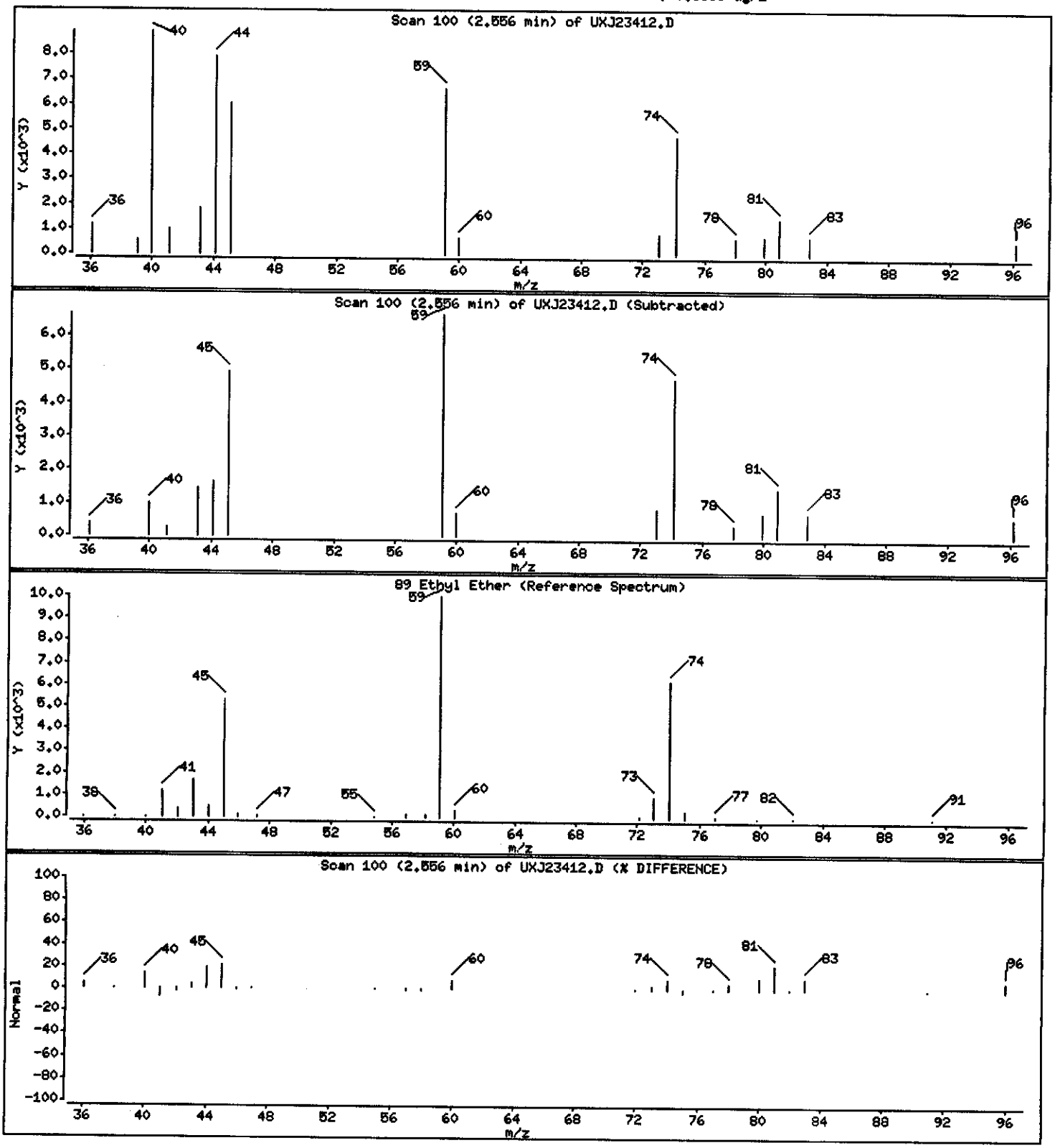
Operator: 43582

Column phase: DB624

Column diameter: 0.18

89 Ethyl Ether

Concentration: 0.3386 ug/L



PAYNE FIRM INC.

Client Sample ID: MW027/081704

GC/MS Volatiles

Lot-Sample #...:	A4H180231-005	**Work Order #...:**	GNEJP1AA	**Matrix.....:**	WG
Date Sampled...:	08/17/04 13:28	**Date Received..:**	08/18/04		
Prep Date.....:	08/26/04	**Analysis Date..:**	08/26/04		
Prep Batch #...:	4239141				
Dilution Factor:	1000	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10000	ug/L
Acetonitrile	ND	20000	ug/L
Acrolein	ND	20000	ug/L
Acrylonitrile	ND	20000	ug/L
Benzene	**430 J**	**1000**	**ug/L**
Bromodichloromethane	ND	1000	ug/L
Bromoform	ND	1000	ug/L
Bromomethane	ND	1000	ug/L
2-Butanone	ND	10000	ug/L
Carbon disulfide	ND	1000	ug/L
Carbon tetrachloride	ND	1000	ug/L
Chlorobenzene	ND	1000	ug/L
Chloroprene	ND	2000	ug/L
Dibromochloromethane	ND	1000	ug/L
Chloroethane	ND	1000	ug/L
Chloroform	**260 J**	**1000**	**ug/L**
Chloromethane	ND	1000	ug/L
3-Chloropropene	ND	2000	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2000	ug/L
1,2-Dibromoethane	ND	1000	ug/L
Dibromomethane	ND	1000	ug/L
trans-1,4-Dichloro-2-butene	ND	1000	ug/L
1,1-Dichloroethane	ND	1000	ug/L
1,2-Dichloroethane	**1000**	**1000**	**ug/L**
cis-1,2-Dichloroethene	**4300**	**1000**	**ug/L**
trans-1,2-Dichloroethene	ND	1000	ug/L
1,1-Dichloroethene	ND	1000	ug/L
1,2-Dichloroethene (total)	**4300**	**2000**	**ug/L**
Dichlorofluoromethane	ND	2000	ug/L
1,2-Dichloropropane	ND	1000	ug/L
cis-1,3-Dichloropropene	ND	1000	ug/L
trans-1,3-Dichloropropene	ND	1000	ug/L
1,4-Dioxane	ND	50000	ug/L
Ethylbenzene	ND	1000	ug/L
Ethyl methacrylate	ND	1000	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW027/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-005 Work Order #...: GNEJP1AA Matrix.....: WG

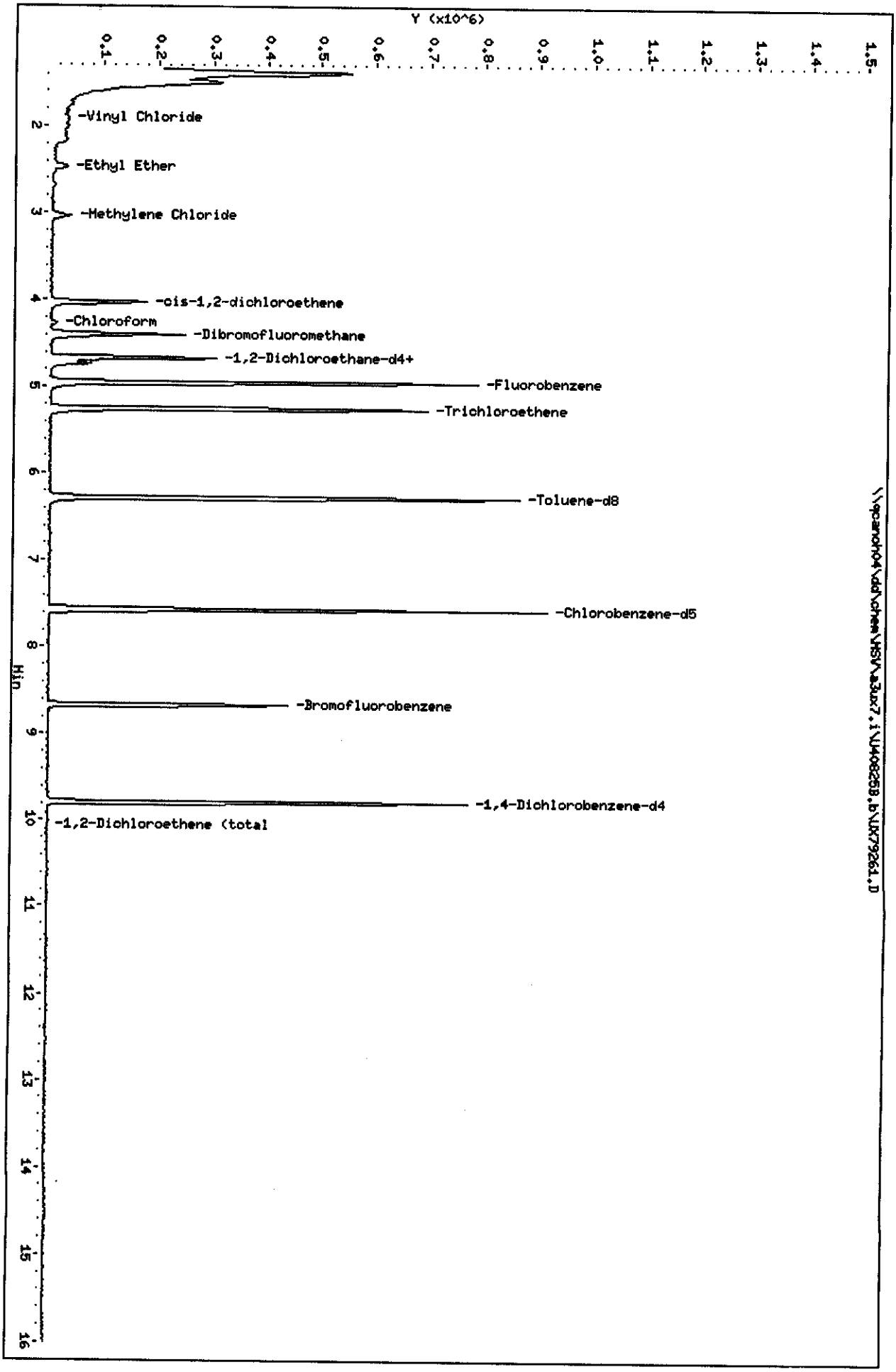
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10000	ug/L
Iodomethane	ND	1000	ug/L
Isobutanol	ND	50000	ug/L
Methacrylonitrile	ND	2000	ug/L
Methylene chloride	**500 J,B**	**1000**	**ug/L**
Methyl methacrylate	ND	2000	ug/L
4-Methyl-2-pentanone	ND	10000	ug/L
Propionitrile	ND	4000	ug/L
Styrene	ND	1000	ug/L
1,1,1,2-Tetrachloroethane	ND	1000	ug/L
1,1,2,2-Tetrachloroethane	ND	1000	ug/L
Tetrachloroethene	ND	1000	ug/L
Toluene	ND	1000	ug/L
1,1,1-Trichloroethane	ND	1000	ug/L
1,1,2-Trichloroethane	ND	1000	ug/L
Trichloroethene	**13000**	**1000**	**ug/L**
Trichlorofluoromethane	ND	1000	ug/L
1,2,3-Trichloropropane	ND	1000	ug/L
Vinyl acetate	ND	2000	ug/L
Vinyl chloride	**890 J**	**1000**	**ug/L**
Xylenes (total)	ND	2000	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	88	(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: \\qcanon04\dd\chem\HSV\a3ux7.i\U408225B.b\UX79264.D
Date : 26-AUG-2004 04:56
Client ID: MW027/081704
Sample Info: CNEJP100,0.005ML/5ML
Purge Volume: 0.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
\\qcanon04\dd\chem\HSV\a3ux7.i\U408225B.b\UX79261.D
Y (x10^6)
Min
-Vinyl Chloride
-Ethyl Ether
-Methylene Chloride
-cis-1,2-dichloroethene
-Chloroform
-Dibromofluoromethane
-1,2-Dichloroethane-d4+
-Fluorobenzene
-Trichloroethene
-Toluene-d8
-Chlorobenzene-d5
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4
-1,2-Dichloroethene (total

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79261.D
Report Date: 26-Aug-2004 11:52

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79261.D
Lab Smp Id: GNEJP1AA Client Smp ID: MW027/081704
Inj Date : 26-AUG-2004 04:56
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNEJP1AA,0.005ML/5ML
Misc Info : U40825B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m
Meth Date : 26-Aug-2004 11:28 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 50
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	0.005	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)	760607	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	562660	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	199989	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.395	(0.888)	177704	52.4865	10497
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	254115	50.1350	10027
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	638095	43.9982	8799.6
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	177214	38.3219	7664.4
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.745	1.768	(0.352)	17792	4.46529	893.06
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\U40825B.b\UX79261.D
Report Date: 26-Aug-2004 11:52

	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	3.035	3.035	(0.613)	25125	2.51785	503.57
	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				90639	21.3387	4267.7
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	90639	21.3387	4267.7
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.277	4.265	(0.864)	9743	1.29230	258.46
	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	4.739	4.727	(0.957)	32666	5.01858	1003.7
	41 Benzene	78	4.727	4.727	(0.955)	38851	2.15021	430.04
	42 Trichloroethene	130	5.259	5.259	(1.062)	245010	66.5983	13320
	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\U40825B.b\UX79261.D
Report Date: 26-Aug-2004 11:52

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)	24891	6.81472	1362.9
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\U40825B.b\UX79261.D

Date : 26-AUG-2004 04:56

Client ID: MW027/081704

Instrument: a3ux7.i

Sample Info: GNEJP1AA,0.005ML/5ML

Purge Volume: 0.0

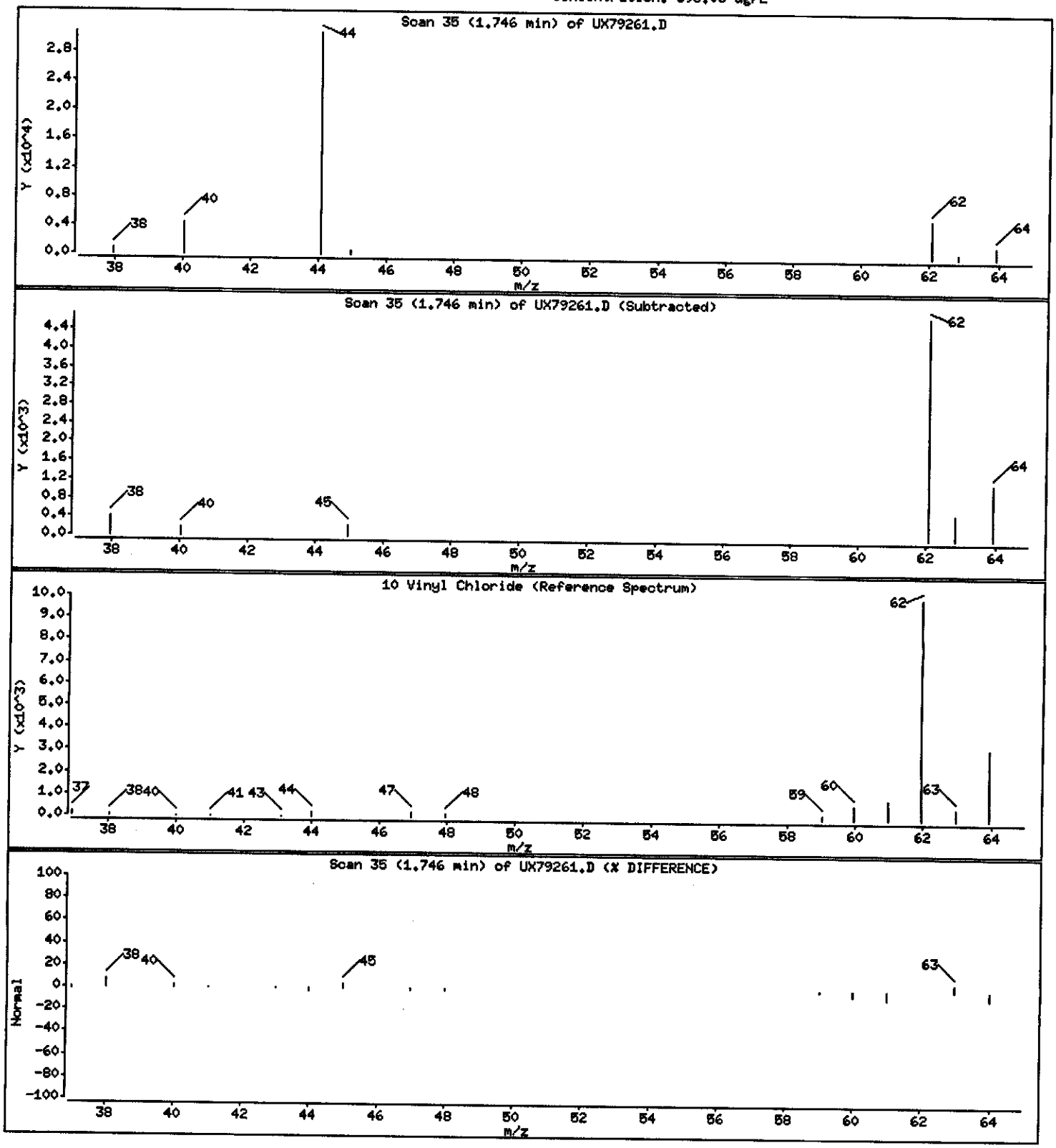
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

10 Vinyl Chloride

Concentration: 893.06 ug/L



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Date : 26-AUG-2004 04:56

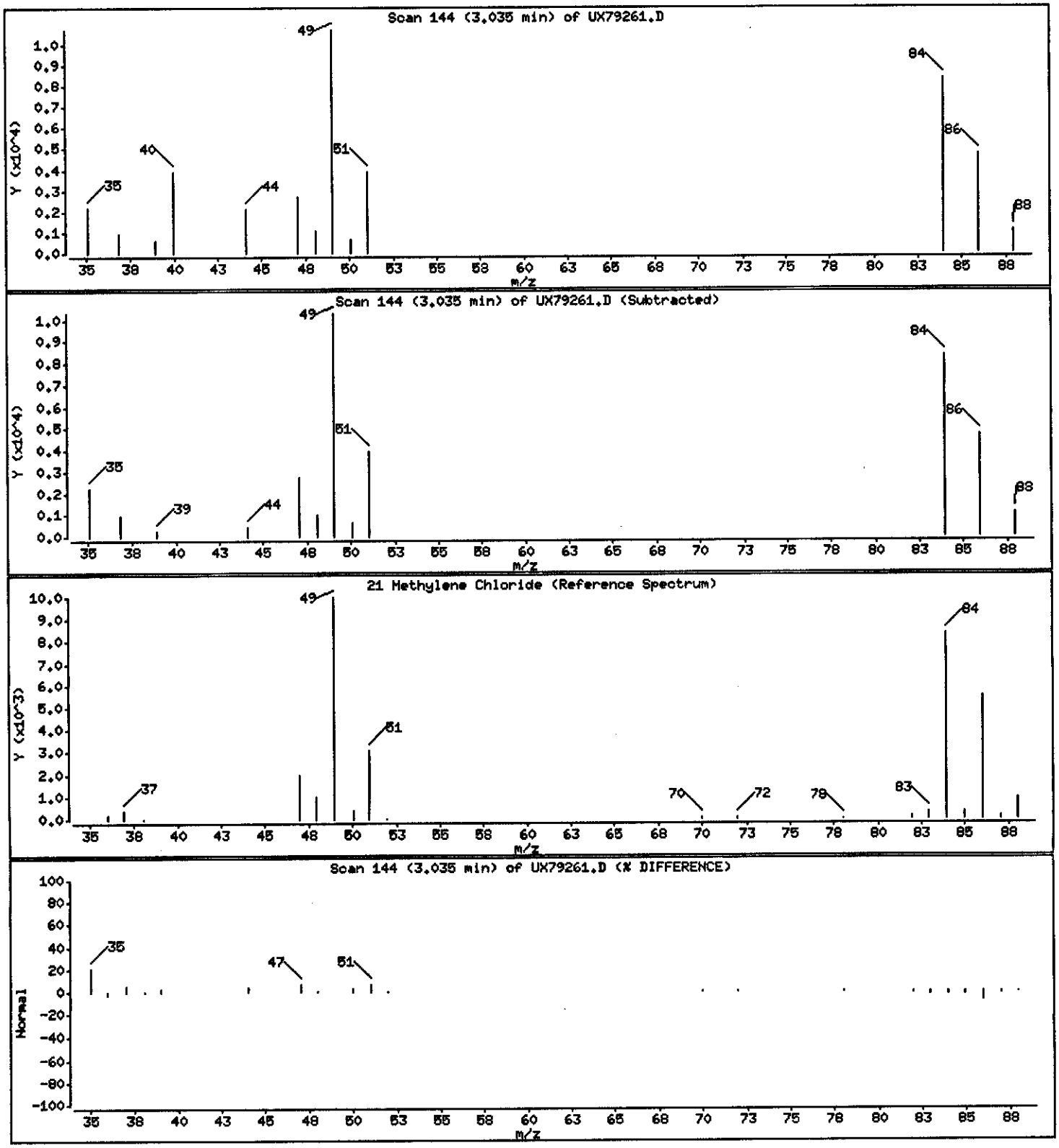
Client ID: MW027/081704 Instrument: a3ux7.i

Sample Info: GNEJP1AA,0.005ML/5ML

Purge Volume: 0.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

21 Methylene Chloride Concentration: 503.57 ug/L



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Date : 26-AUG-2004 04:56

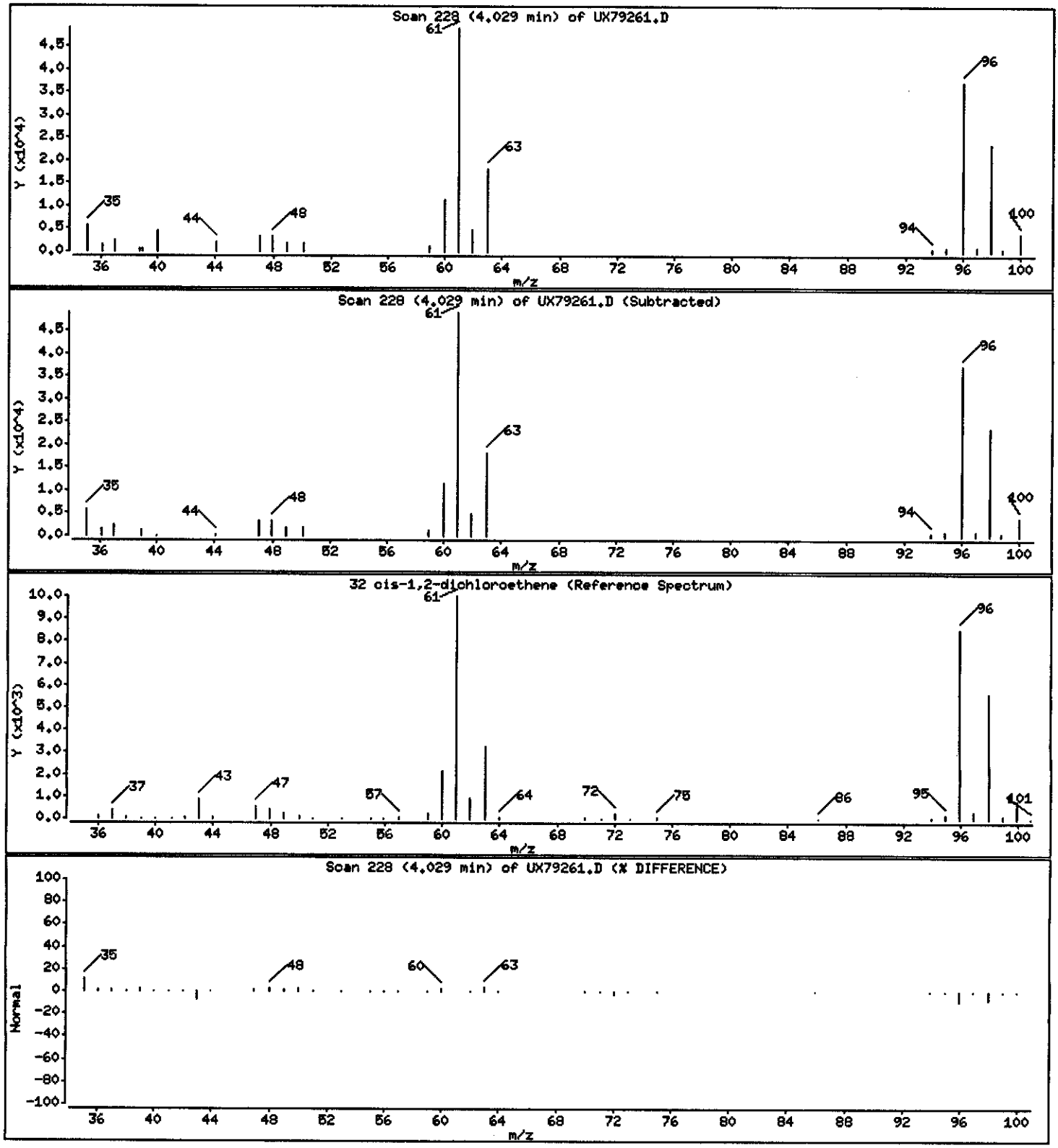
Client ID: MW027/081704 Instrument: a3ux7.i

Sample Info: GNEJP1AA,0.005ML/5ML

Purge Volume: 0.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 4267.7 ug/L



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Date : 26-AUG-2004 04:56

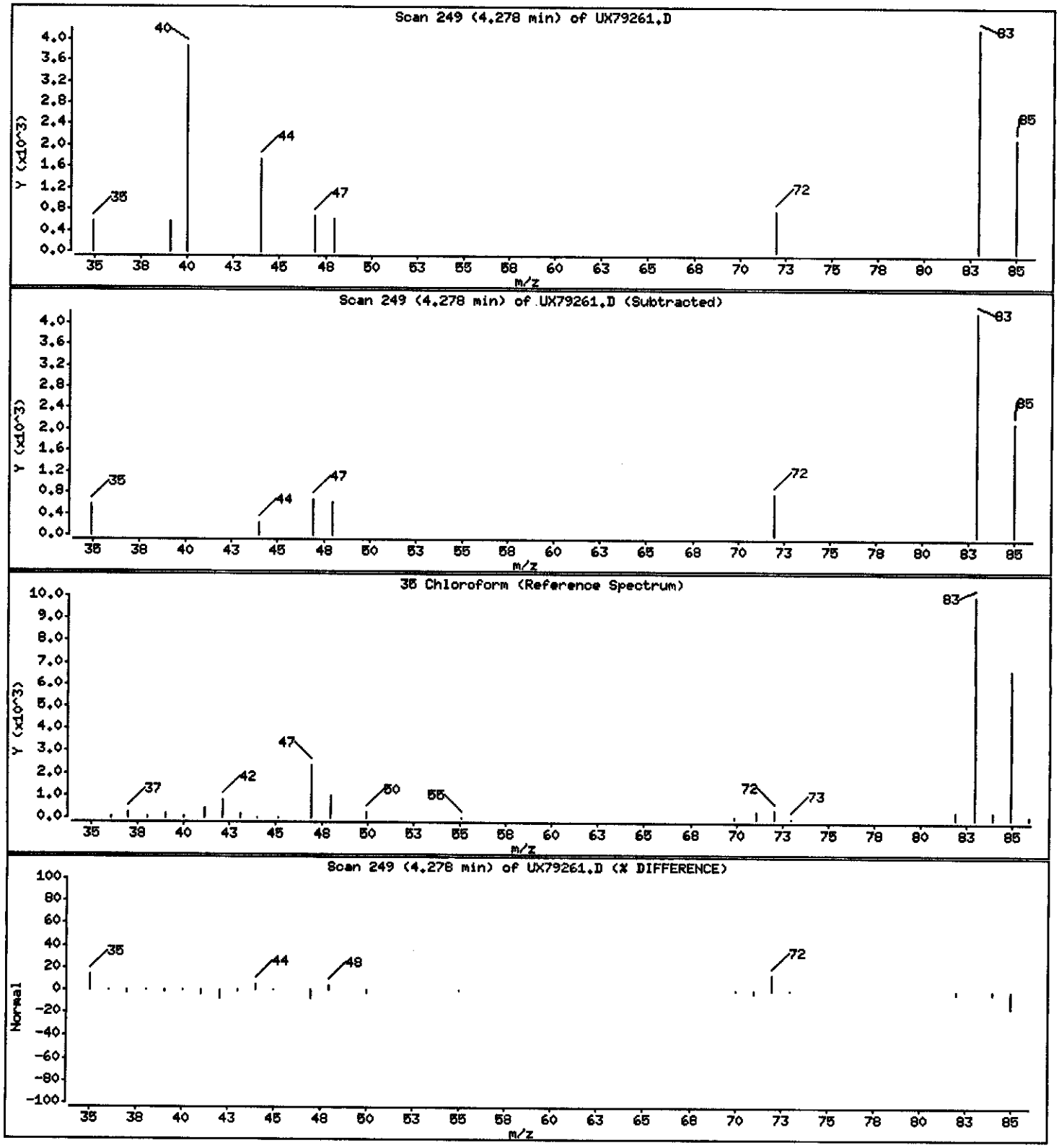
Client ID: MW027/081704 Instrument: a3ux7.i

Sample Info: GNEJP1AA,0.005ML/5ML

Purge Volume: 0.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

35 Chloroform Concentration: 258.46 ug/L



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Date : 26-AUG-2004 04:56

Client ID: MW027/081704

Instrument: a3ux7.i

Sample Info: GNEJP1AA,0.005ML/5ML

Purge Volume: 0.0

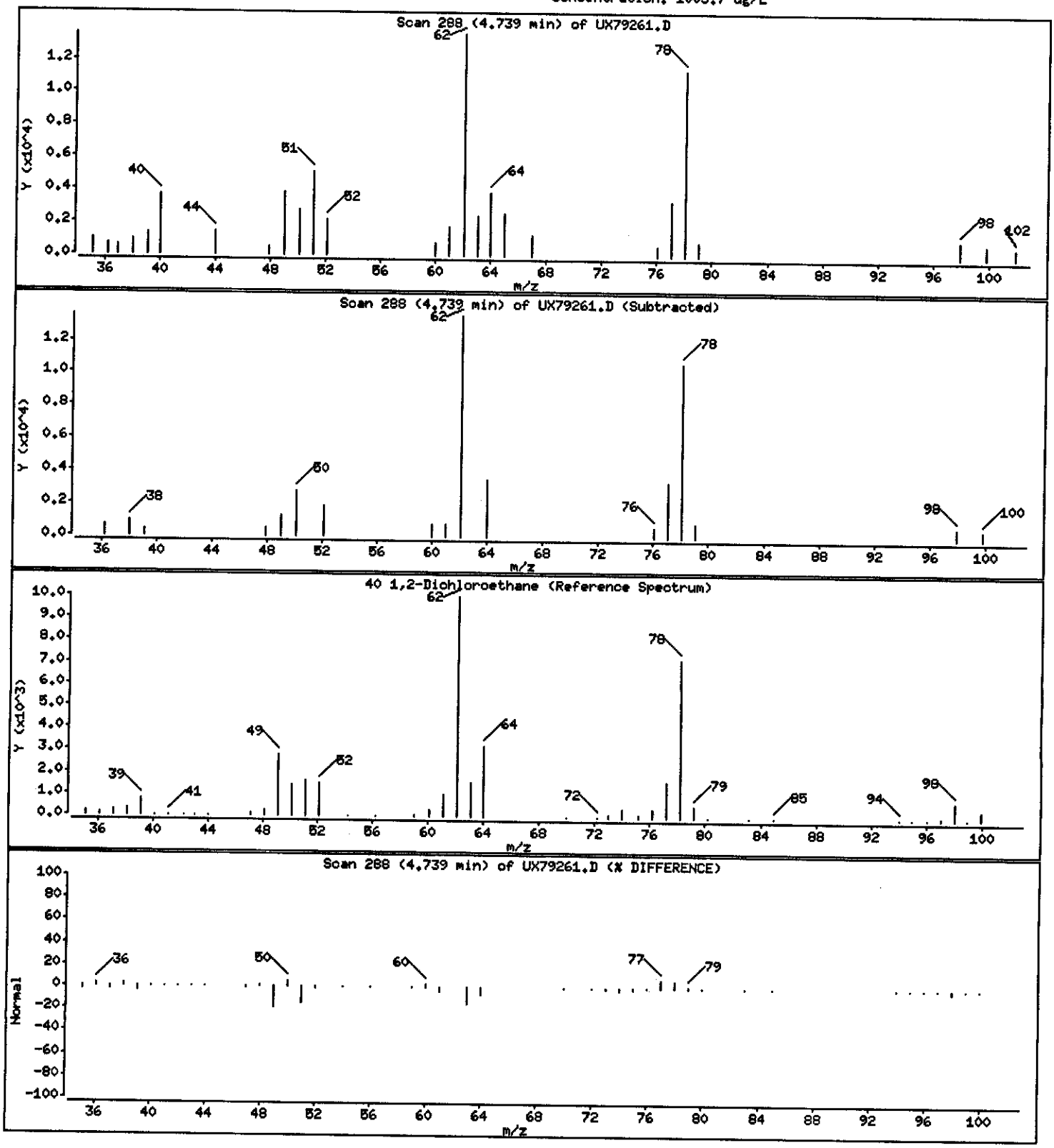
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

40 1,2-Dichloroethane

Concentration: 1003.7 ug/L



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Date : 26-AUG-2004 04:56

Client ID: MW027/081704

Instrument: a3ux7.i

Sample Info: GNEJP1AA,0.005ML/5ML

Purge Volume: 0.0

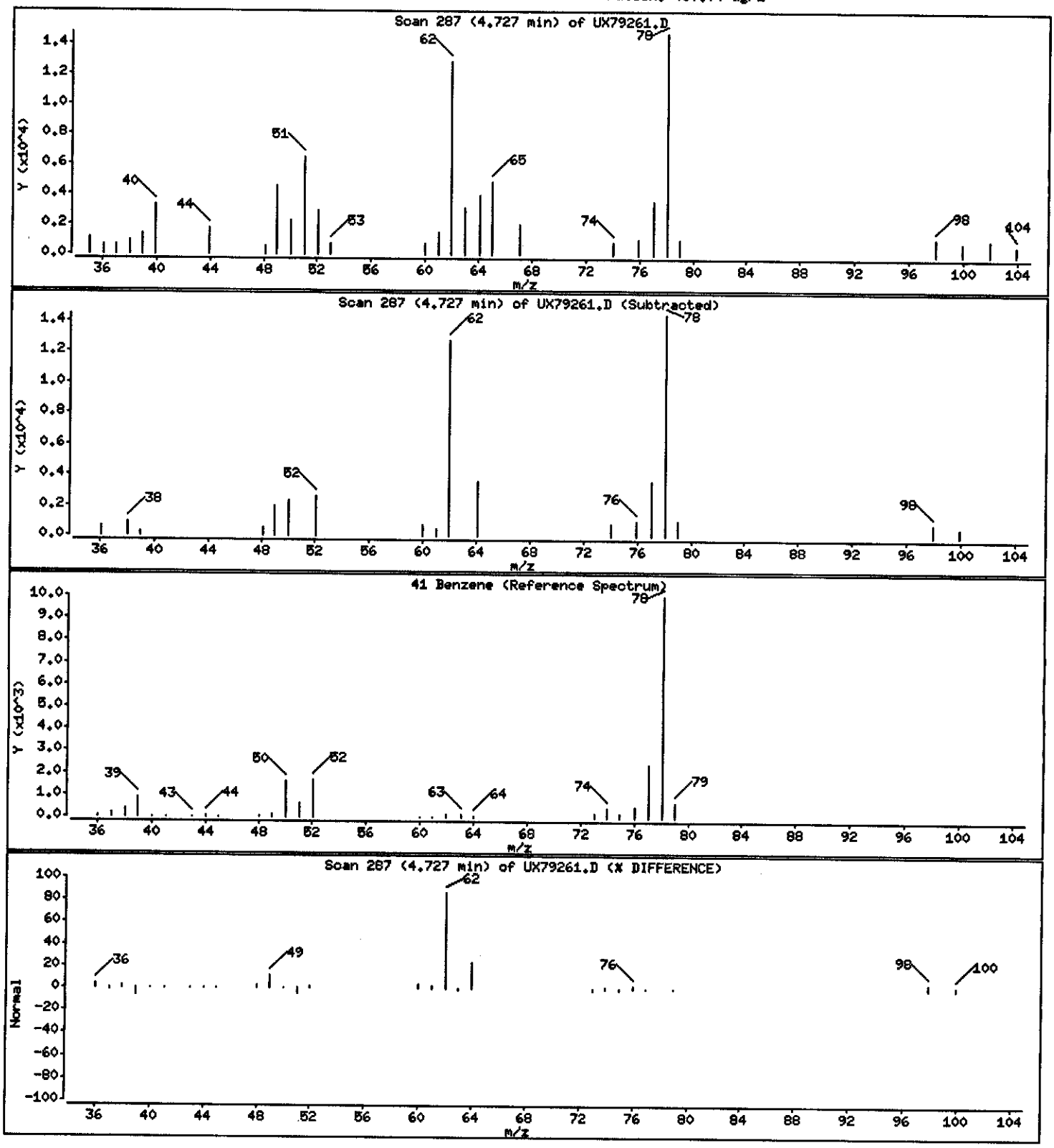
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

41 Benzene

Concentration: 430.04 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79261.D

Date : 26-AUG-2004 04:56

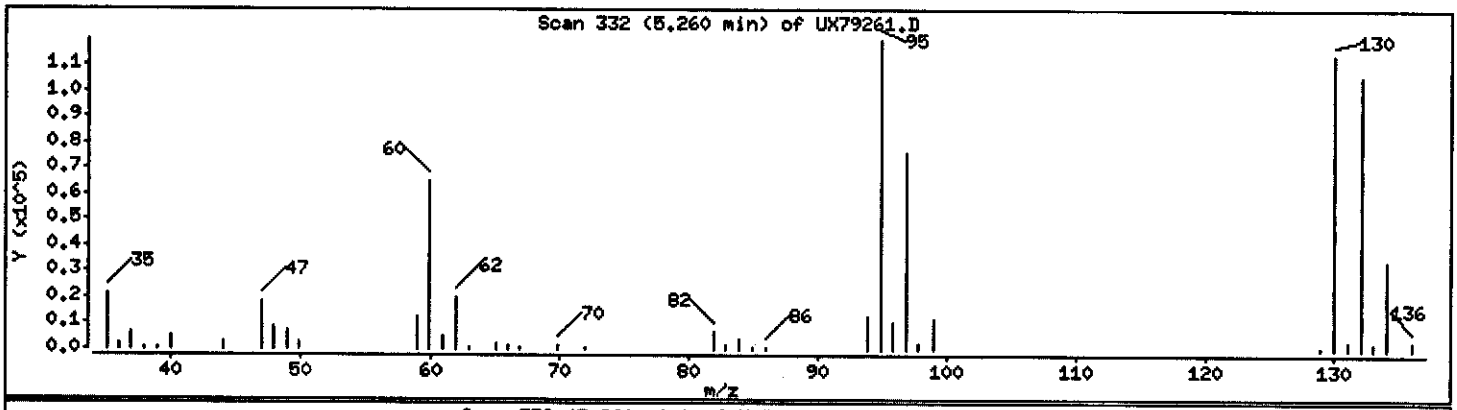
Client ID: MW027/081704 Instrument: a3ux7.i

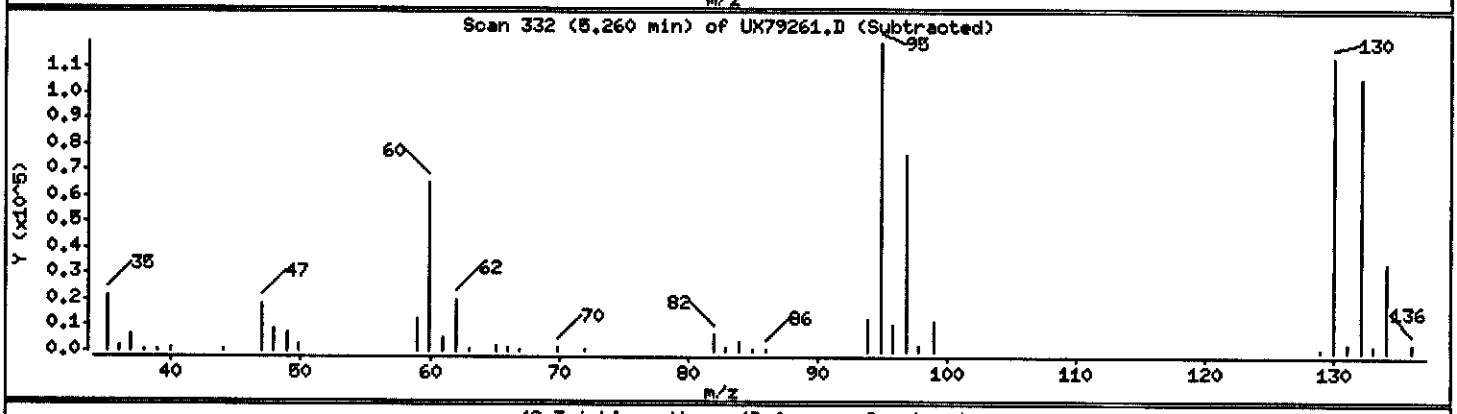
Sample Info: GNEJP1AA,0.005ML/5ML

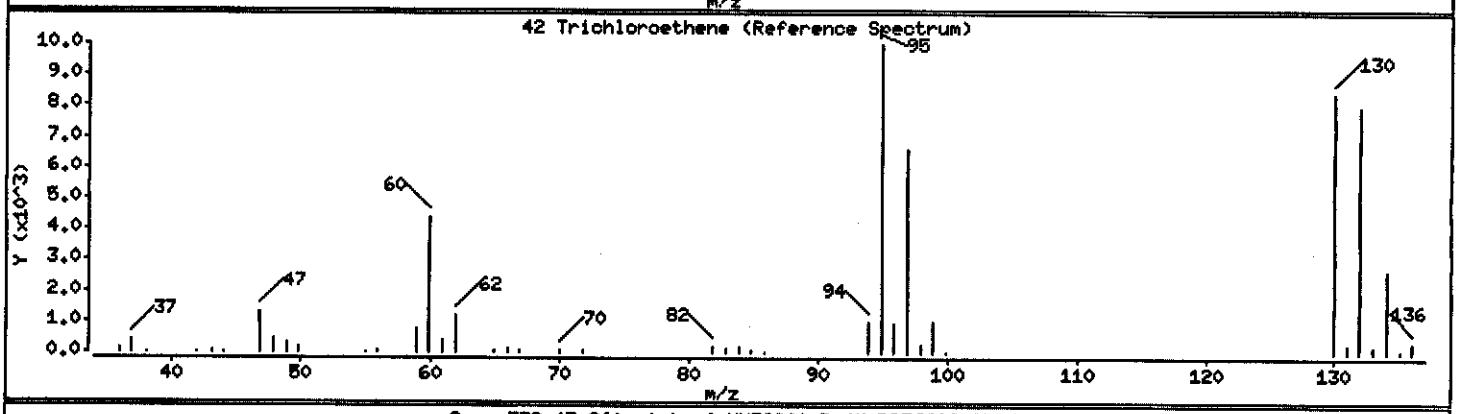
Purge Volume: 0.0 Operator: 1754

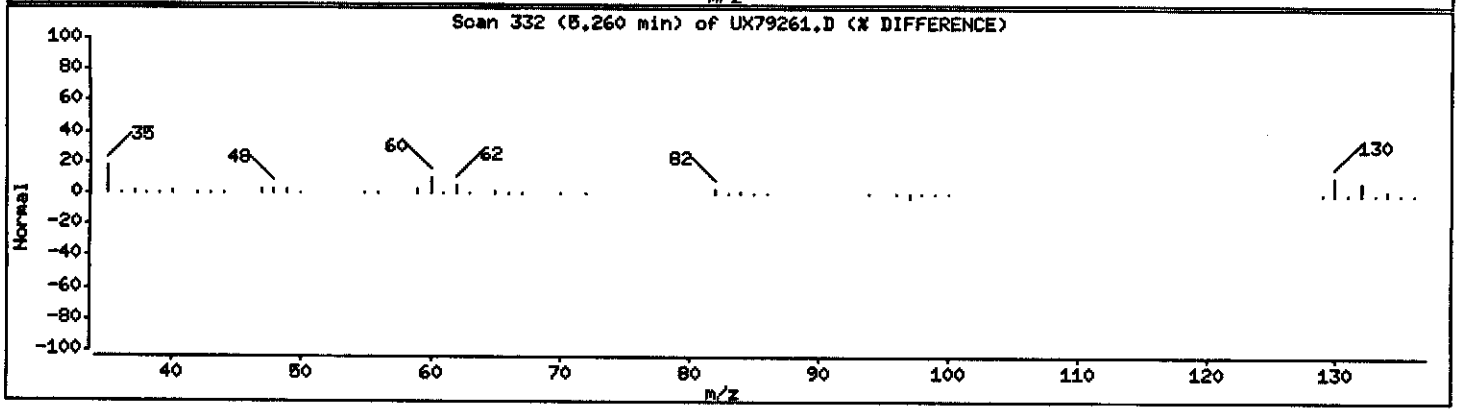
Column phase: DB624 20m Column diameter: 0.18

42 Trichloroethene Concentration: 13320 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79261.D

Date : 26-AUG-2004 04:56

Client ID: MW027/081704

Instrument: a3ux7.i

Sample Info: GNEJP1AA,0.005ML/5ML

Purge Volume: 0.0

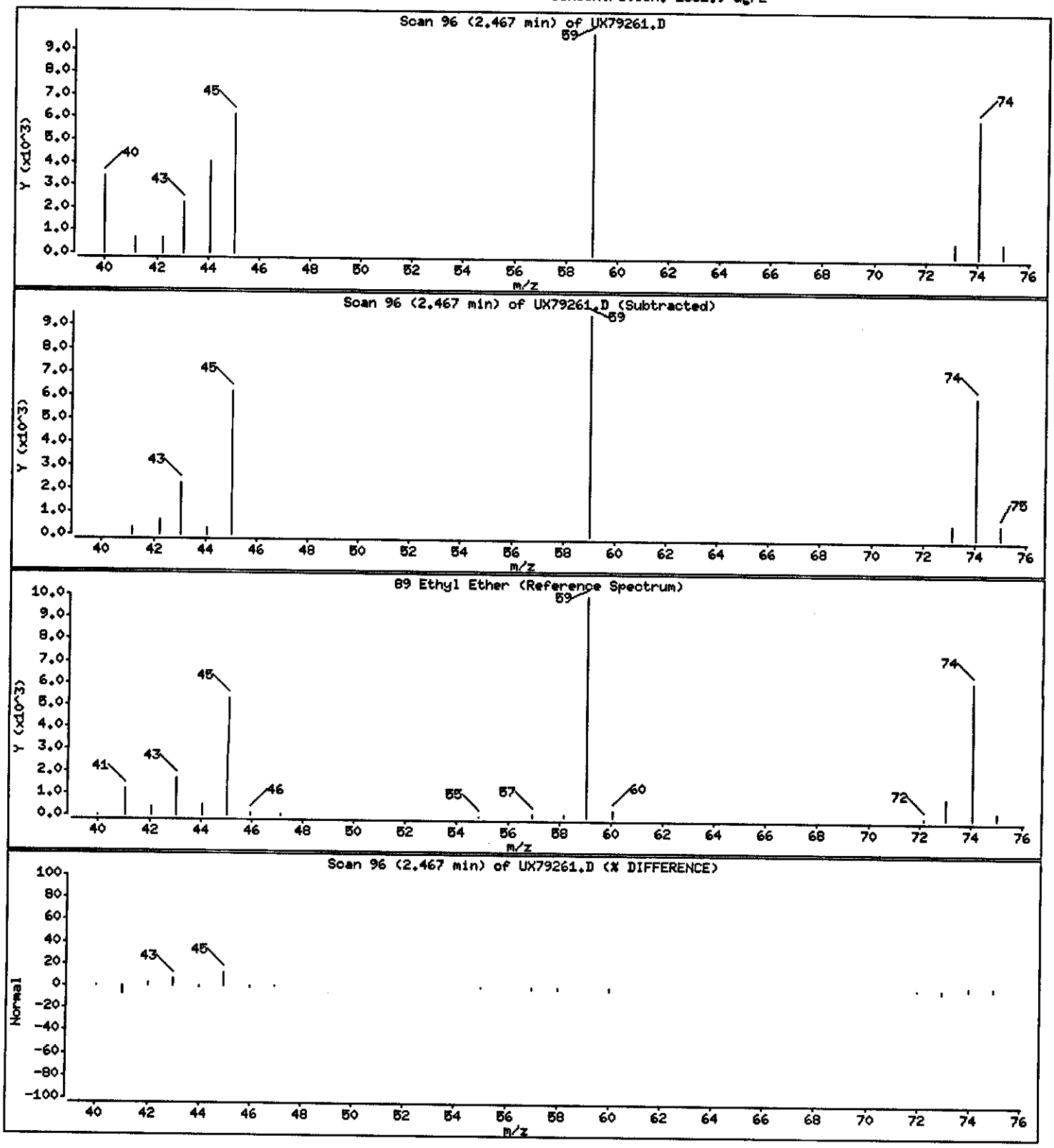
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

89 Ethyl Ether

Concentration: 1362.9 ug/L



PAYNE FIRM INC.

Client Sample ID: MW024/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-006 **Work Order #...:** GNEJQ1AA **Matrix.....:** WG
Date Sampled...: 08/17/04 14:15 **Date Received..:** 08/18/04
Prep Date.....: 08/26/04 **Analysis Date..:** 08/26/04
Prep Batch #...: 4239136
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

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

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW024/081704

GC/MS Volatiles

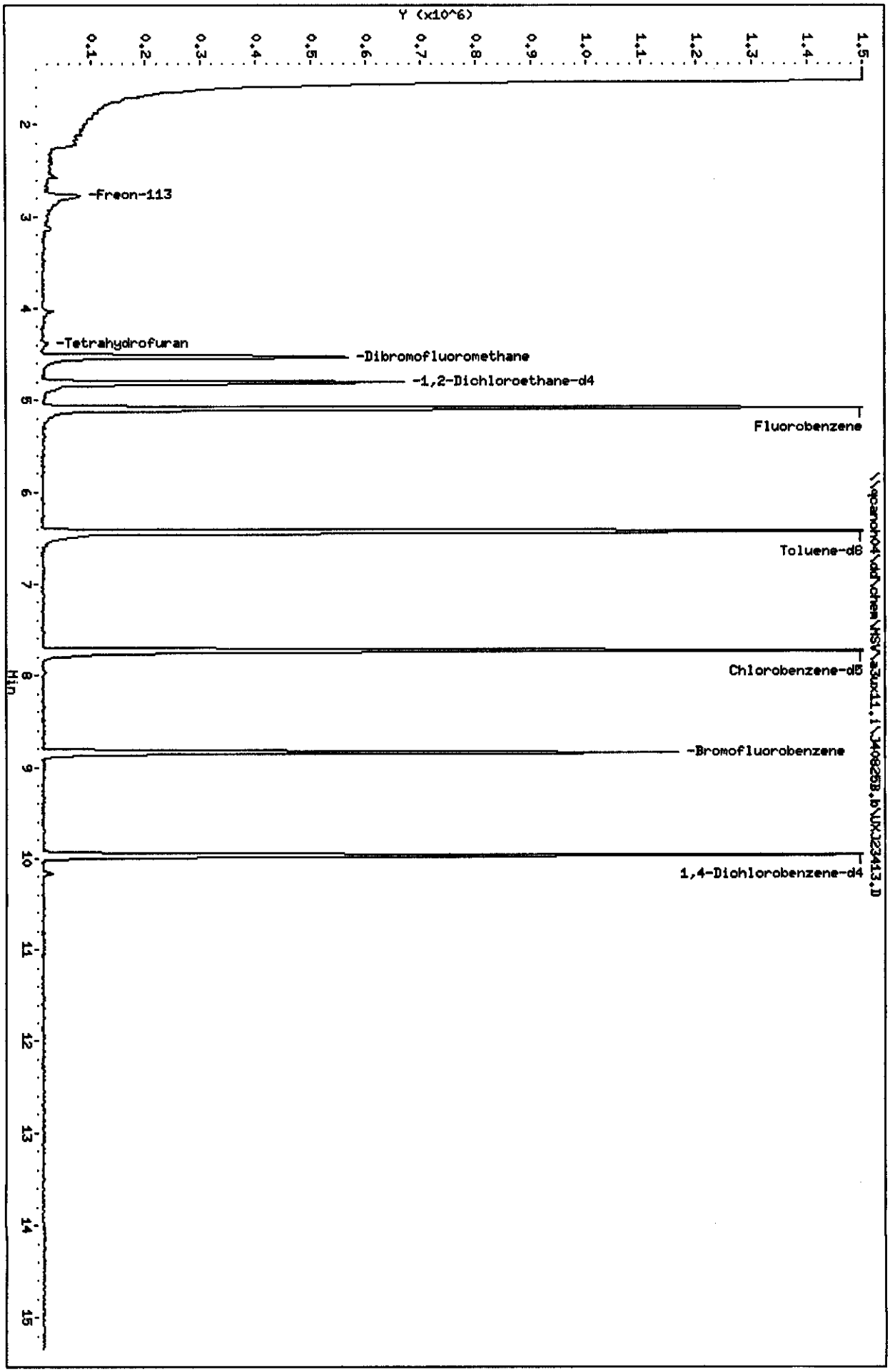
Lot-Sample #...: A4H180231-006 Work Order #...: GNEJQ1AA Matrix.....: WG

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(73 - 122)
1,2-Dichloroethane-d4	107	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

Data File: \\qcanon04\dd\chem\HSV\a3ux11.i\340825B.b\UX123413.D
Date : 26-AUG-2004 05:01
Client ID: MW024/081704
Sample Info: GNE30100,5ML/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\J40825B.b\UXJ23413.D
Report Date: 26-Aug-2004 10:31

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23413.D
Lab Smp Id: GNEJQ1AA Client Smp ID: MW024/081704
Inj Date : 26-AUG-2004 05:01
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GNEJQ1AA,5ML/5ML
Misc Info : J40825B,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m
Meth Date : 26-Aug-2004 10:17 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 1
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	5.088	5.088	(1.000)	1587925	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1284208	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	569527	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	421580	56.4139	11.283
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	531556	53.7096	10.742
$ 6 Toluene-d8	98	6.437	6.425	(0.832)	1436640	46.6934	9.339
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	504934	38.7239	7.745
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	2.769	2.769	(0.544)	65988	14.1100	2.822
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23413.D
Report Date: 26-Aug-2004 10:31

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.390	4.378	(0.863)	6672	2.56486	0.5130
	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.					
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23413.D
Report Date: 26-Aug-2004 10:31

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23413.D

Date : 26-AUG-2004 05:01

Client ID: MW024/081704

Instrument: a3ux11.i

Sample Info: GNEJQ1AA,5ML/5ML

Purge Volume: 5.0

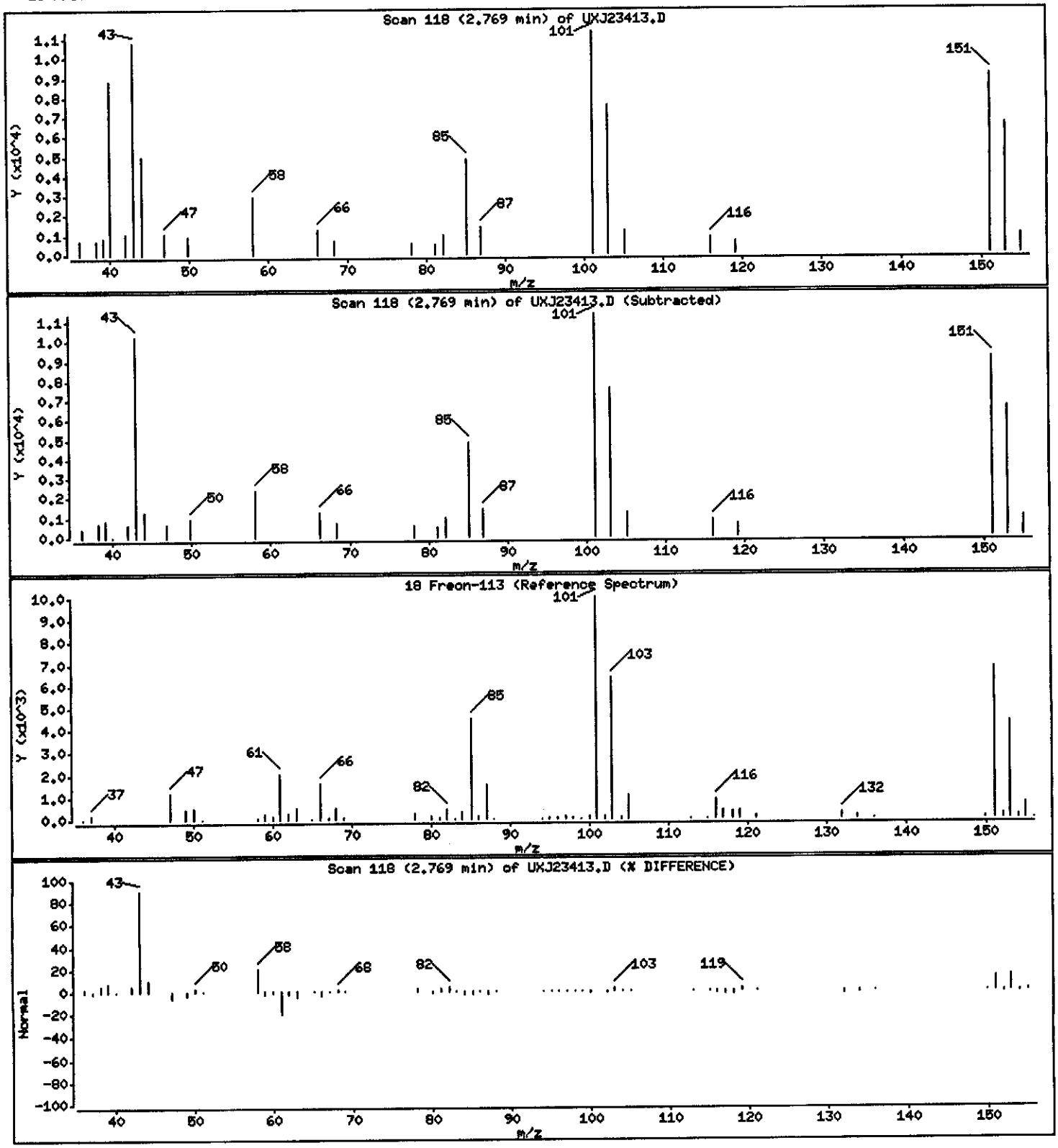
Operator: 43582

Column phase: DB624

Column diameter: 0.18

18 Freon-113

Concentration: 2.822 ug/L



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Date : 26-AUG-2004 05:01

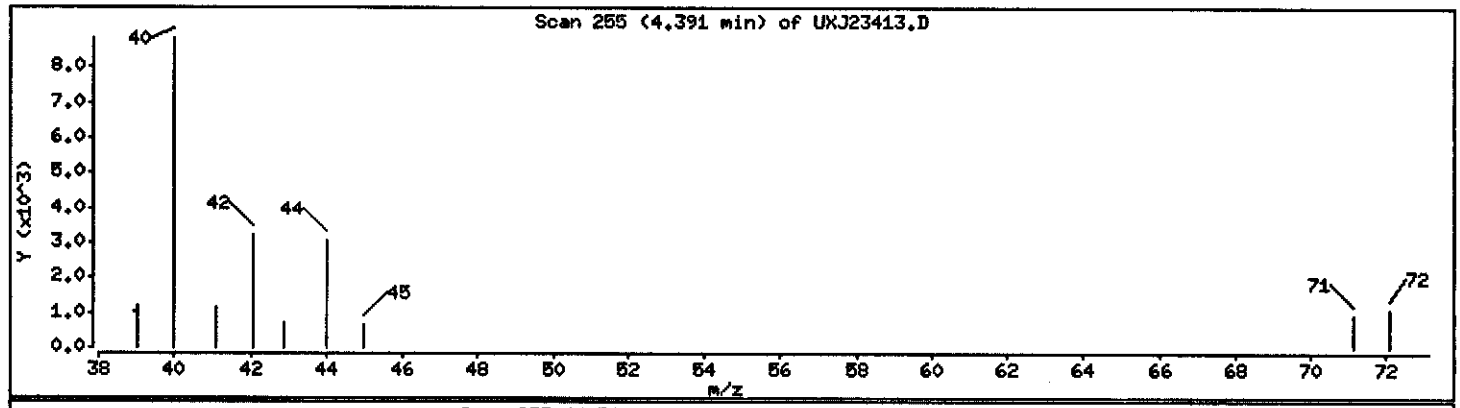
Client ID: MW024/081704 Instrument: a3ux11.i

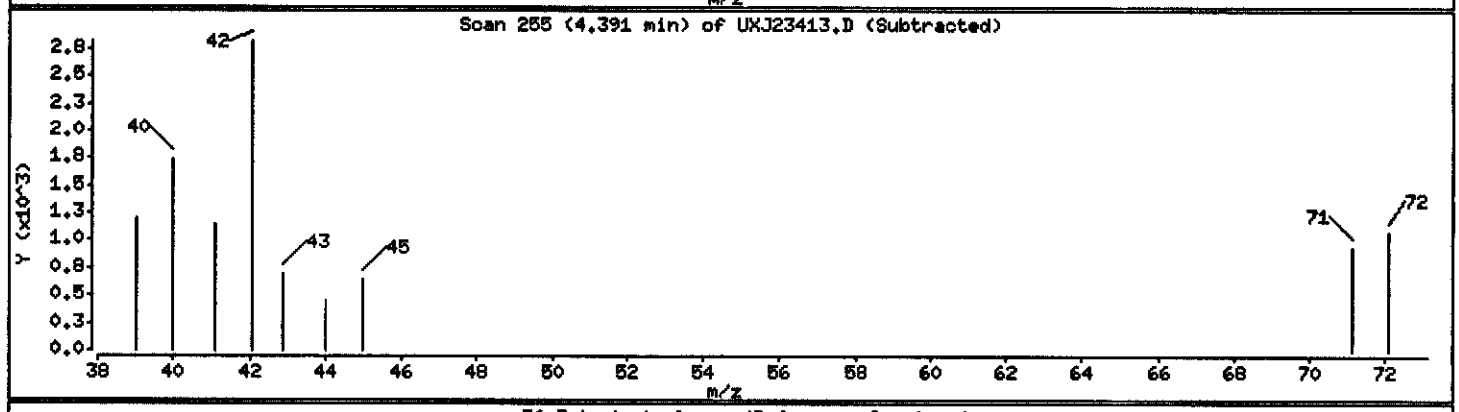
Sample Info: GNEJQ1AA,5ML/5ML

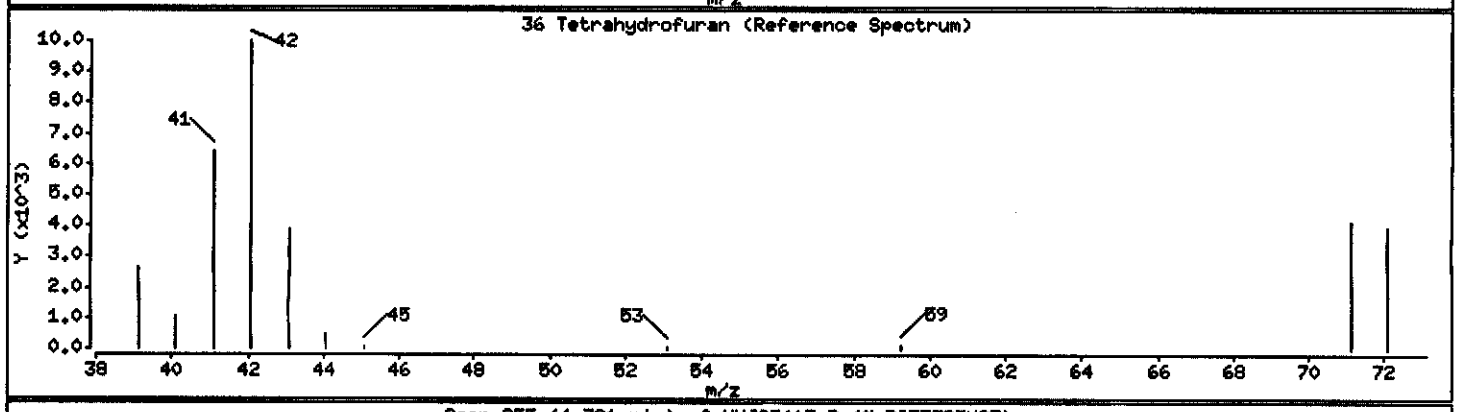
Purge Volume: 5.0 Operator: 43582

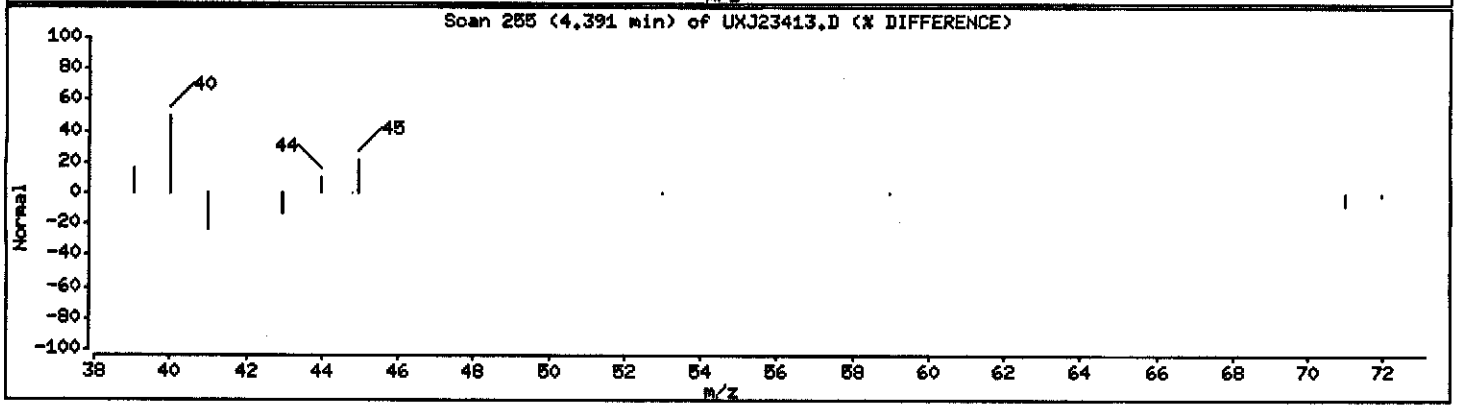
Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 0.5130 ug/L









PAYNE FIRM INC.

Client Sample ID: MW506/081704

GC/MS Volatiles

Lot-Sample #...:	A4H180231-007	**Work Order #...:**	GNEJR1AA	**Matrix.....:**	WG
Date Sampled...:	08/17/04 08:20	**Date Received..:**	08/18/04		
Prep Date.....:	08/26/04	**Analysis Date..:**	08/26/04		
Prep Batch #...:	4239136				
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	**0.46 J**	**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: MW506/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-007 **Work Order #...:** GNEJR1AA **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	**0.65 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

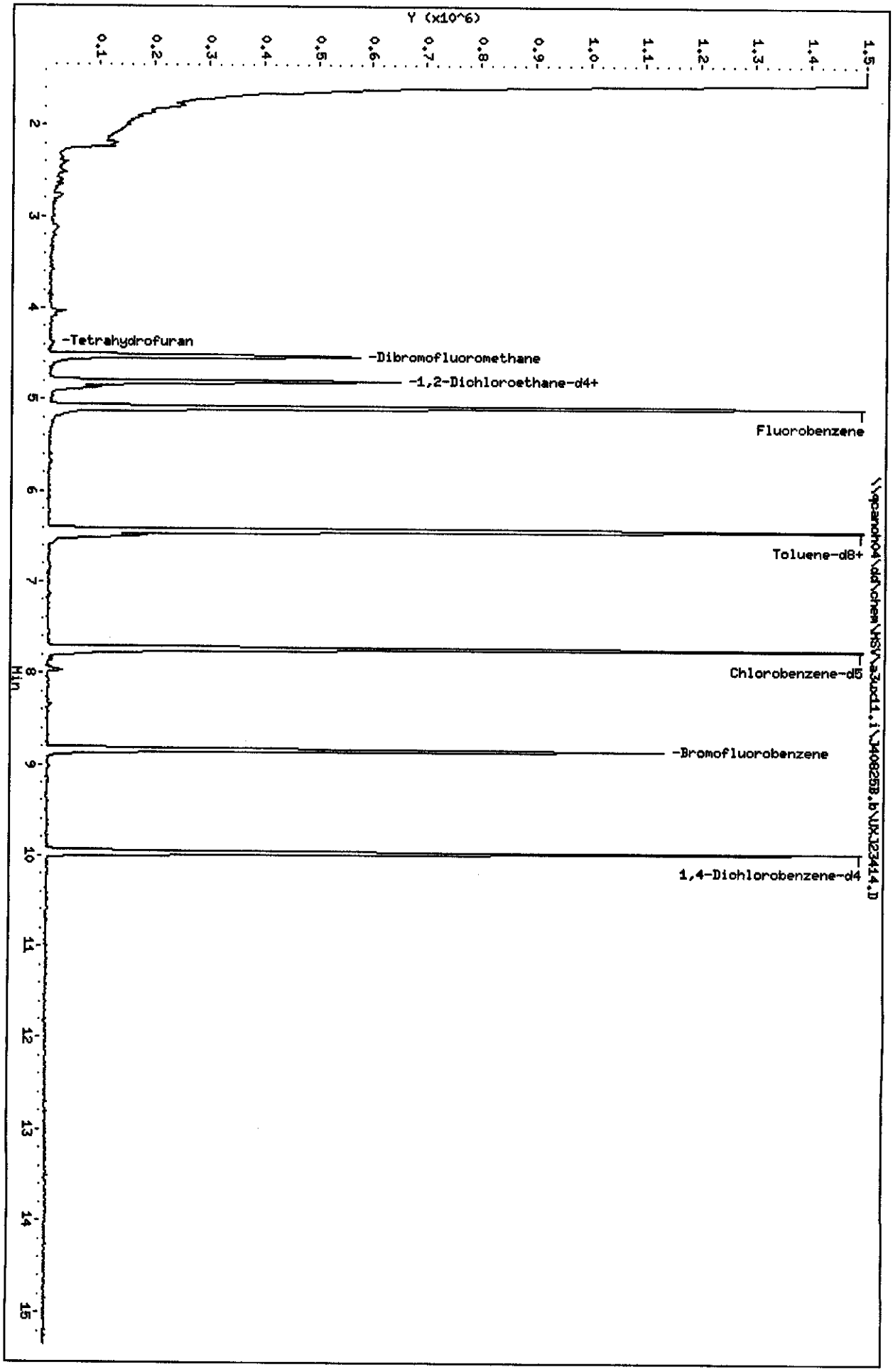
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\HSV\a3uxi1.i\J40825B.b\UX12314.D
Date : 26-AUG-2004 05:24
Client ID: MW506/081704
Sample Info: GNE:JKL(A),5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3uxi1.i
Operator: 43582
Column diameter: 0.18



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Report Date: 26-Aug-2004 10:31

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23414.D
Lab Smp Id: GNEJR1AA Client Smp ID: MW506/081704
Inj Date : 26-AUG-2004 05:24
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GNEJR1AA,5ML/5ML
Misc Info : J40825B,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m
Meth Date : 26-Aug-2004 10:17 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 2
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	5.088	5.088	(1.000)	1560794	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1241354	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.964	9.963	(1.000)	558143	50.0000	
$ 4 Dibromofluoromethane	113	4.532	4.520	(0.891)	421479	57.3808	11.476
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	514177	52.8567	10.571
$ 6 Toluene-d8	98	6.437	6.425	(0.832)	1406037	47.2764	9.455
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	483307	38.3448	7.669
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\J40825B.b\UXJ23414.D
Report Date: 26-Aug-2004 10:31

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	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	4.390	4.378	(0.863)	5506	2.15342	0.4307
	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	4.864	4.863	(0.956)	80633	2.29517	0.4590
	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	6.485	6.485	(0.838)	114030	3.25124	0.6502
	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\J40825B.b\UXJ23414.D
Report Date: 26-Aug-2004 10:31

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.					

Data File: \\qoanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23414.D

Date : 26-AUG-2004 05:24

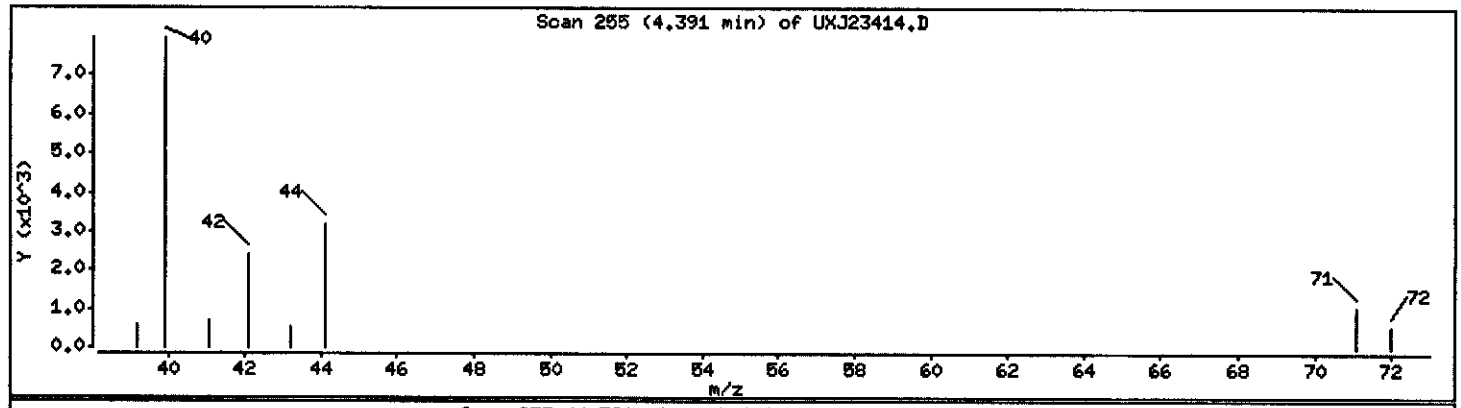
Client ID: MW506/081704 Instrument: a3ux11.i

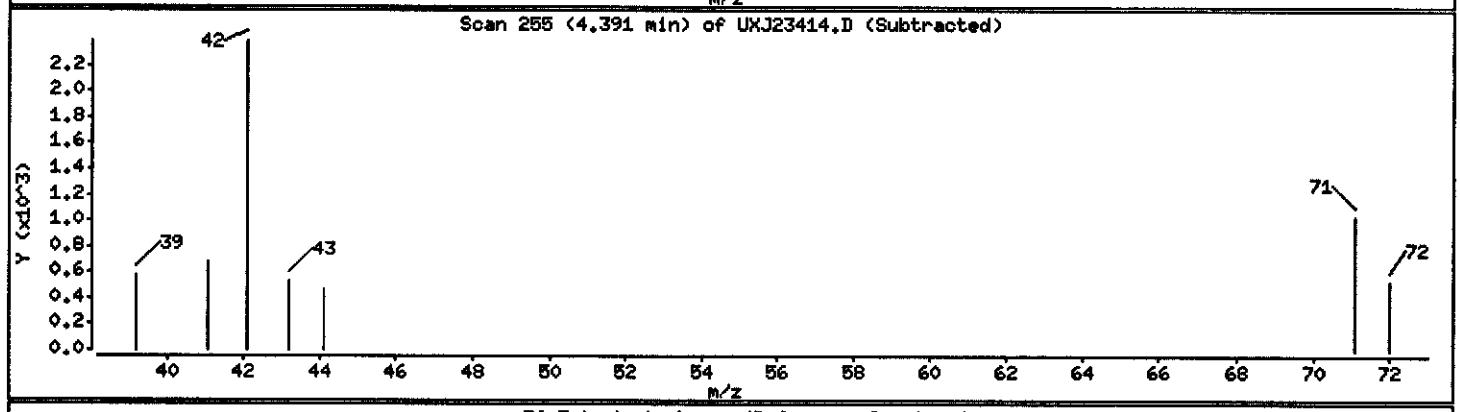
Sample Info: GNEJR1AA,5ML/5ML

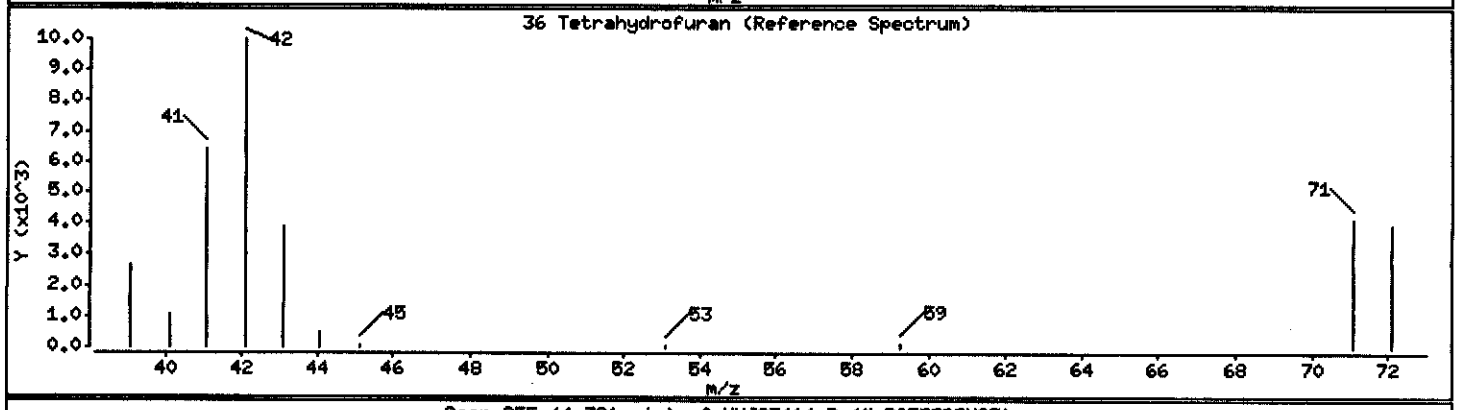
Purge Volume: 5.0 Operator: 43582

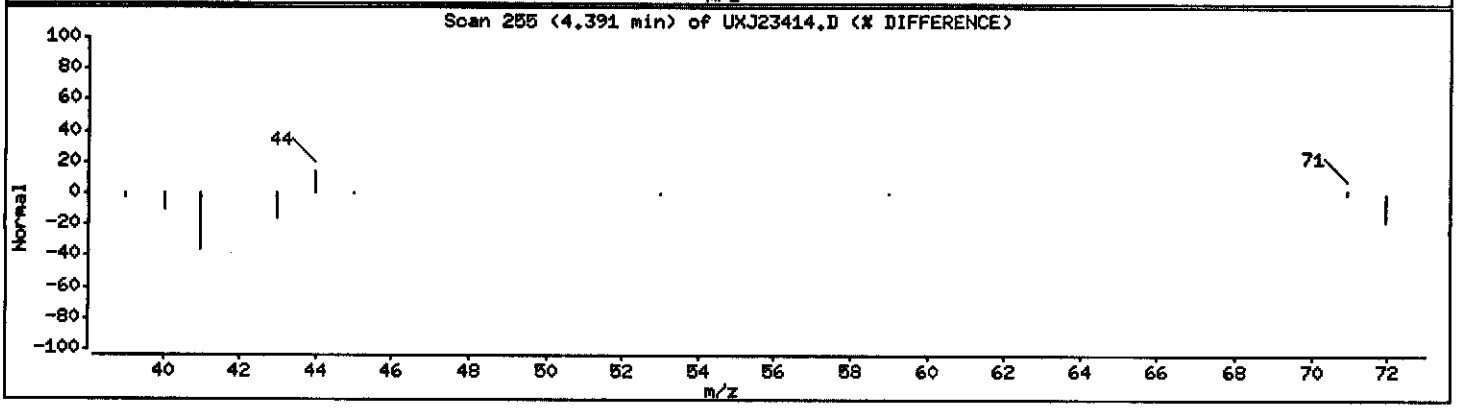
Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 0.4307 ug/L









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Date : 26-AUG-2004 05:24

Client ID: MW506/081704

Instrument: a3ux11.i

Sample Info: GNEJR1AA,5ML/5ML

Purge Volume: 5.0

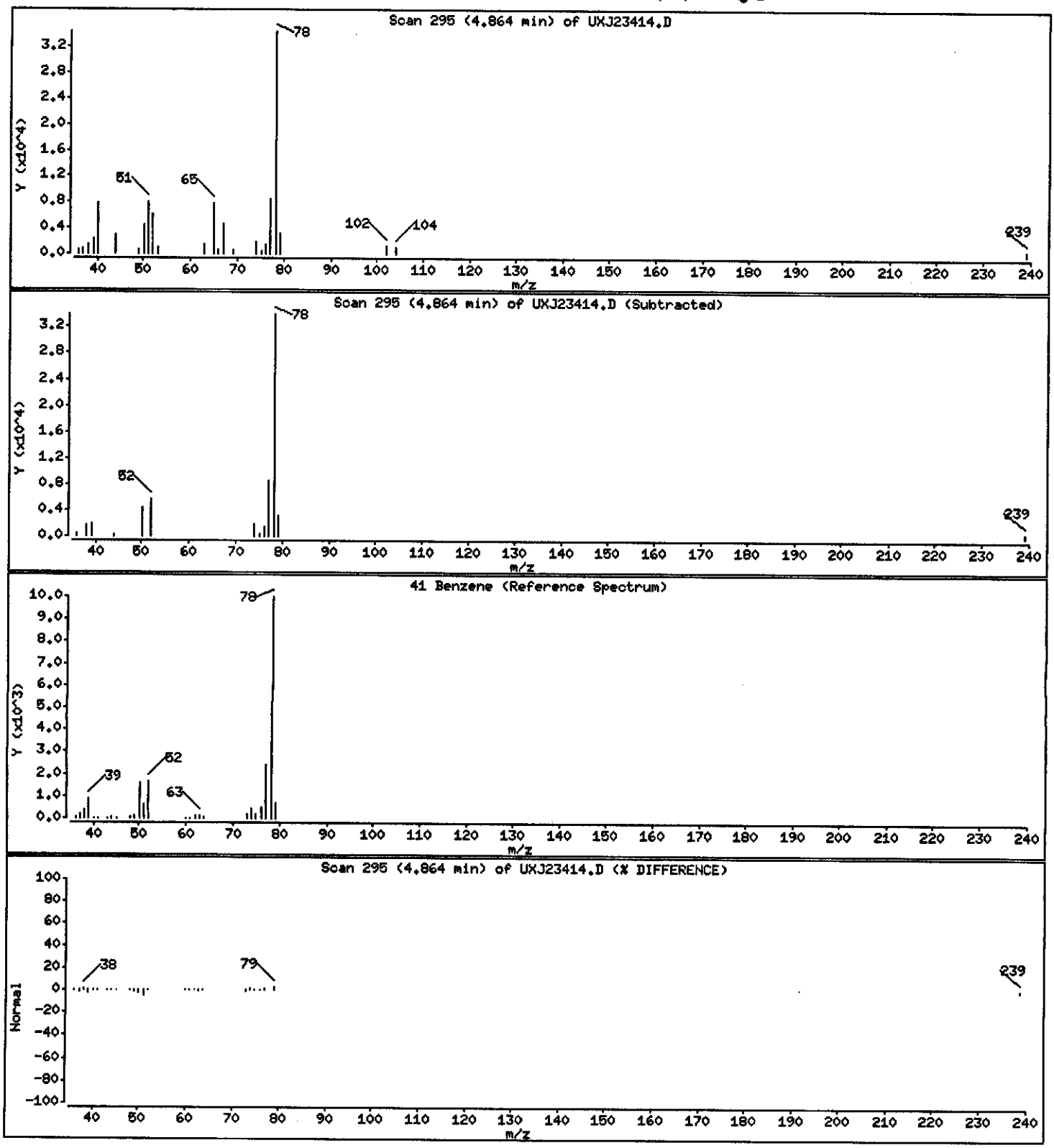
Operator: 43582

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 0.4590 ug/L



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Date : 26-AUG-2004 05:24

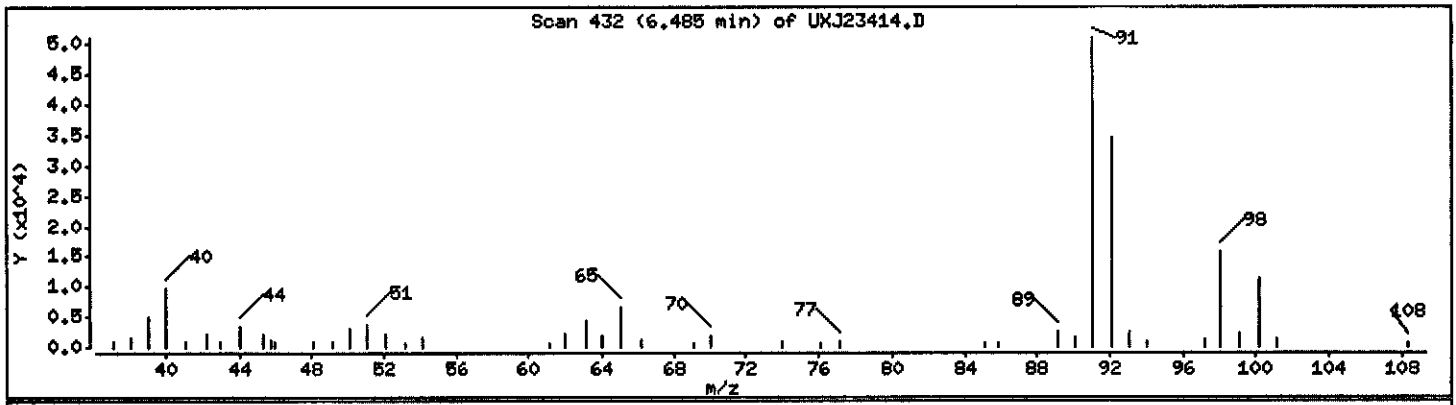
Client ID: MW506/081704 Instrument: a3ux11.i

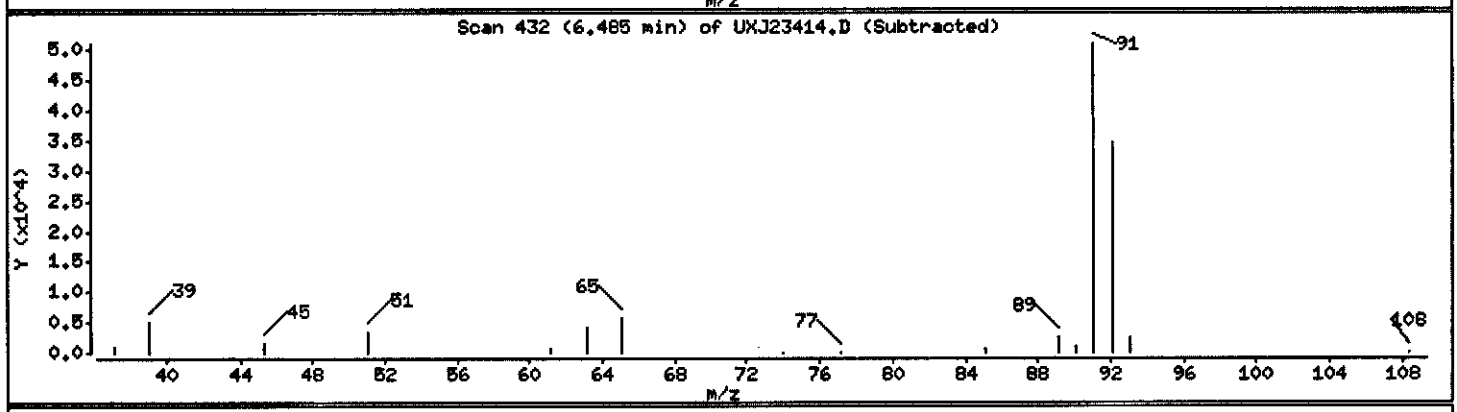
Sample Info: GNEJR1AA,5ML/5ML

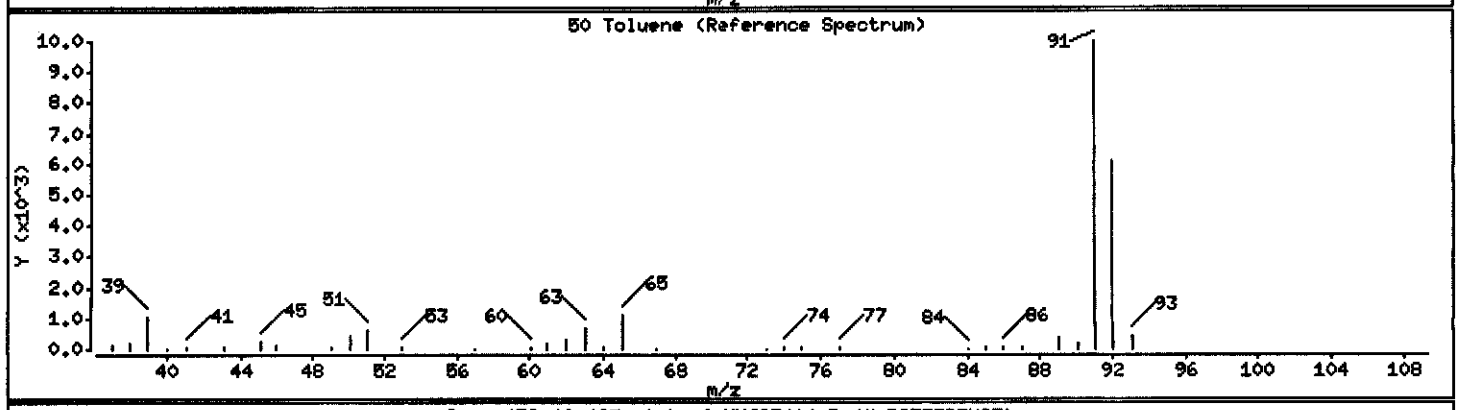
Purge Volume: 5.0 Operator: 43582

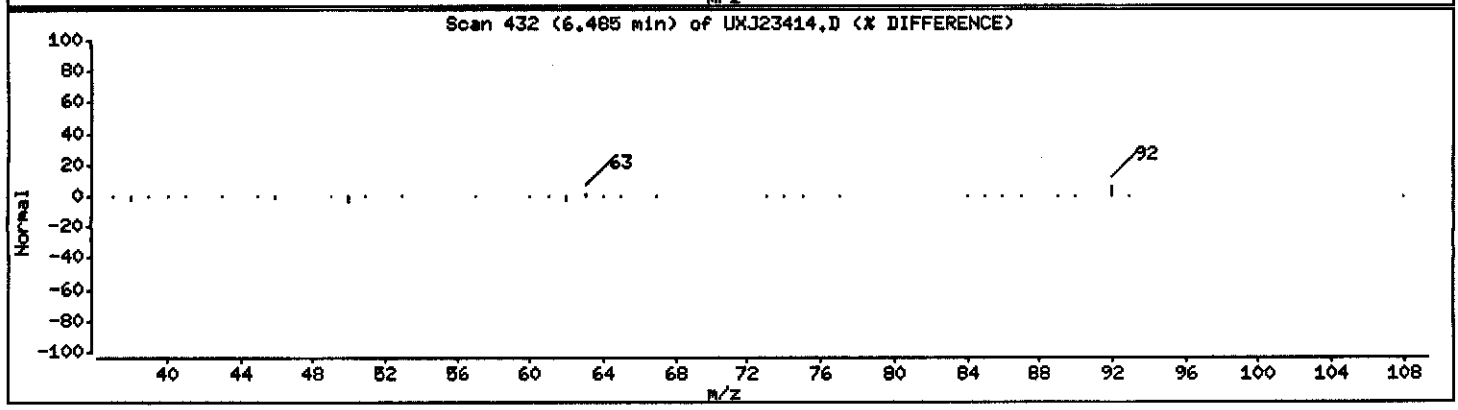
Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.6502 ug/L









PAYNE FIRM INC.

Client Sample ID: MW507/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-008 **Work Order #...:** GNEJV1AA **Matrix.....:** WG
Date Sampled...: 08/17/04 09:40 **Date Received..:** 08/18/04
Prep Date.....: 08/26/04 **Analysis Date..:** 08/26/04
Prep Batch #...: 4239136
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	**0.22 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**1.3**	**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)	**1.3 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	**84**	**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: MW507/081704

GC/MS Volatiles

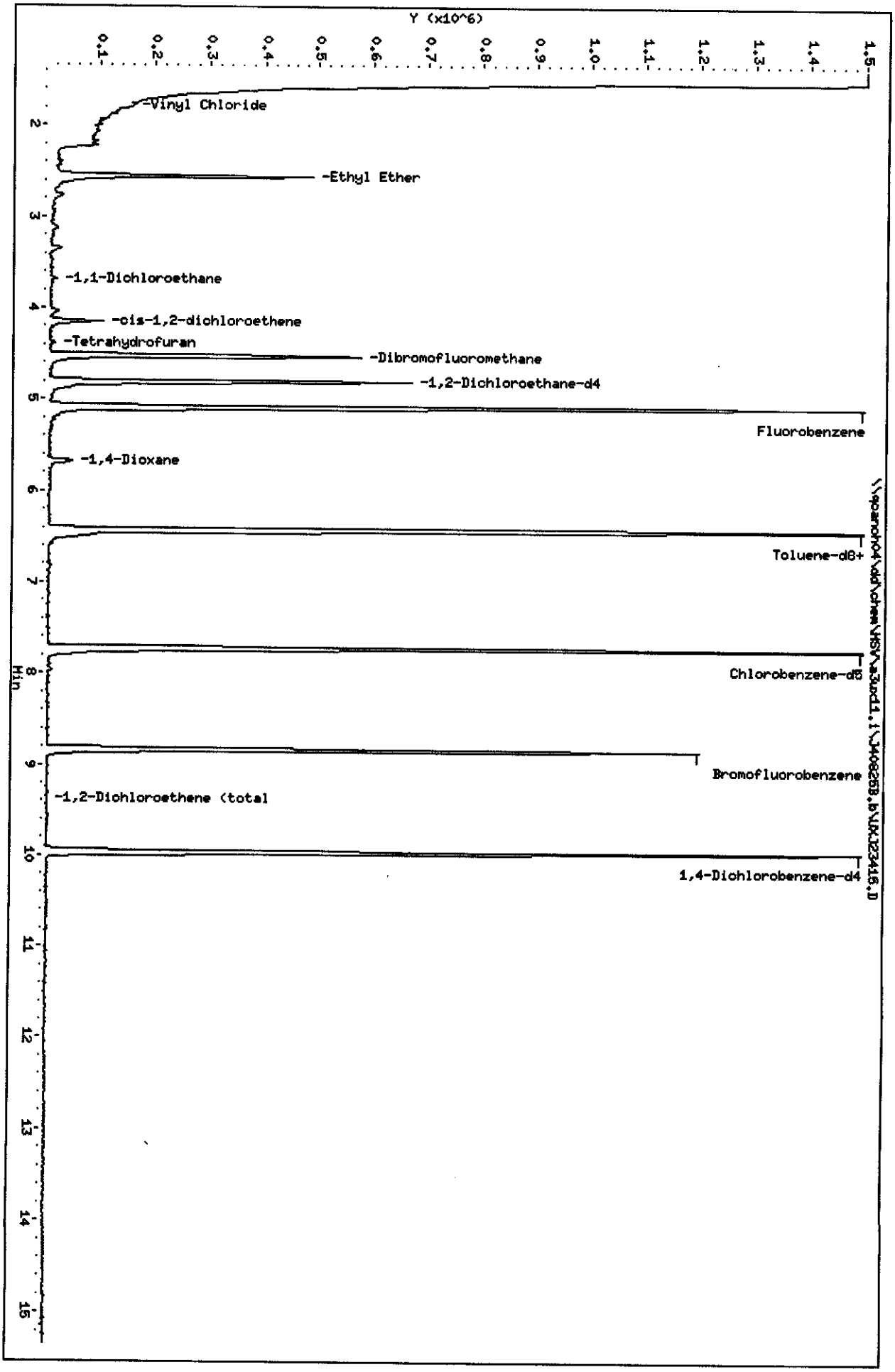
Lot-Sample #...: A4H180231-008 **Work Order #...:** GNEJV1AA **Matrix.....:** WG

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	**0.19 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.


Data File: \\qcanch04\dd\chem\HSV\a3ux11.i\J40825B.b\UX123415.D
Date : 26-AUG-2004 05:47
Client ID: HW507/081704
Sample Info: CNEJV1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
-Vinyl Chloride
-Ethyl Ether
-1,1-Dichloroethane
-cis-1,2-dichloroethene
-Tetrahydrofuran
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
-1,4-Dioxane
Toluene-d8+
Chlorobenzene-d5
Bromofluorobenzene
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23415.D
Report Date: 26-Aug-2004 10:32

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23415.D
Lab Smp Id: GNEJV1AA Client Smp ID: MW507/081704
Inj Date : 26-AUG-2004 05:47
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GNEJV1AA,5ML/5ML
Misc Info : J40825B,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m
Meth Date : 26-Aug-2004 10:17 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 3
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	5.088	5.088	(1.000)	1558630	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1244088	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	558482	50.0000	
$ 4 Dibromofluoromethane	113	4.532	4.520	(0.891)	407245	55.5200	11.104
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	525753	54.1217	10.824
$ 6 Toluene-d8	98	6.437	6.425	(0.832)	1428772	47.9352	9.587
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	488841	38.6987	7.740
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.787	1.799	(0.351)	5774	0.87987	0.1760
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\J40825B.b\UXJ23415.D
Report Date: 26-Aug-2004 10:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	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	3.692	3.680	(0.726)	15434	1.08309	0.2166
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				53023	6.33811	1.268
	32 cis-1,2-dichloroethene	96	4.153	4.142	(0.816)	53023	6.33811	1.268
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.390	4.378	(0.863)	5991	2.34635	0.4693
	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	5.680	5.680	(1.116)	42077	422.214	84.443(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	6.496	6.485	(0.839)	32977	0.93818	0.1876
	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\J40825B.b\UXJ23415.D
Report Date: 26-Aug-2004 10:32

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	2.556	2.556	(0.502)	328021	42.6811	8.536
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.					

QC Flag Legend

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

Data File: \\qoanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23415.D

Date : 26-AUG-2004 05:47

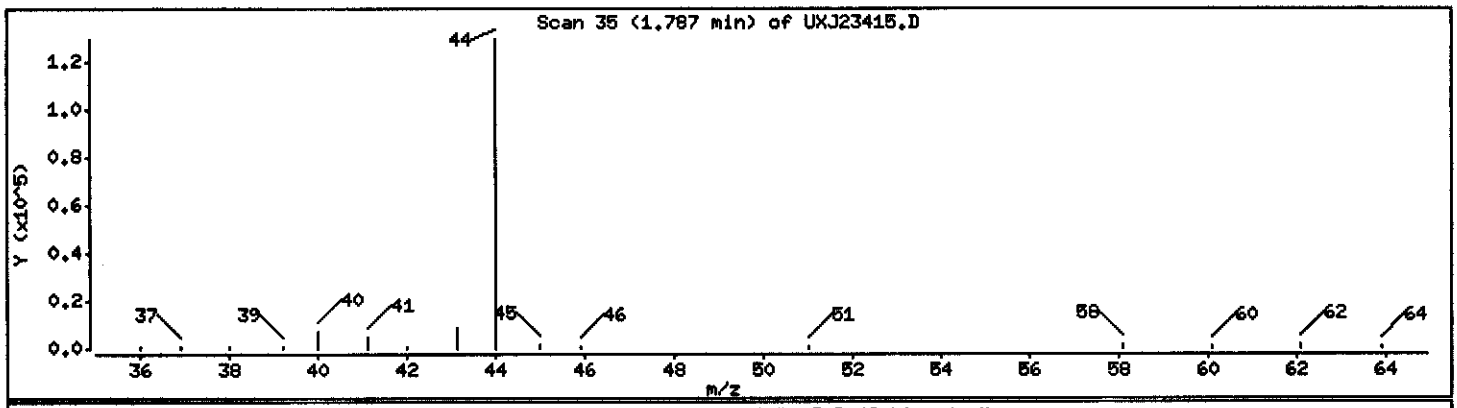
Client ID: MW507/081704 Instrument: a3ux11.i

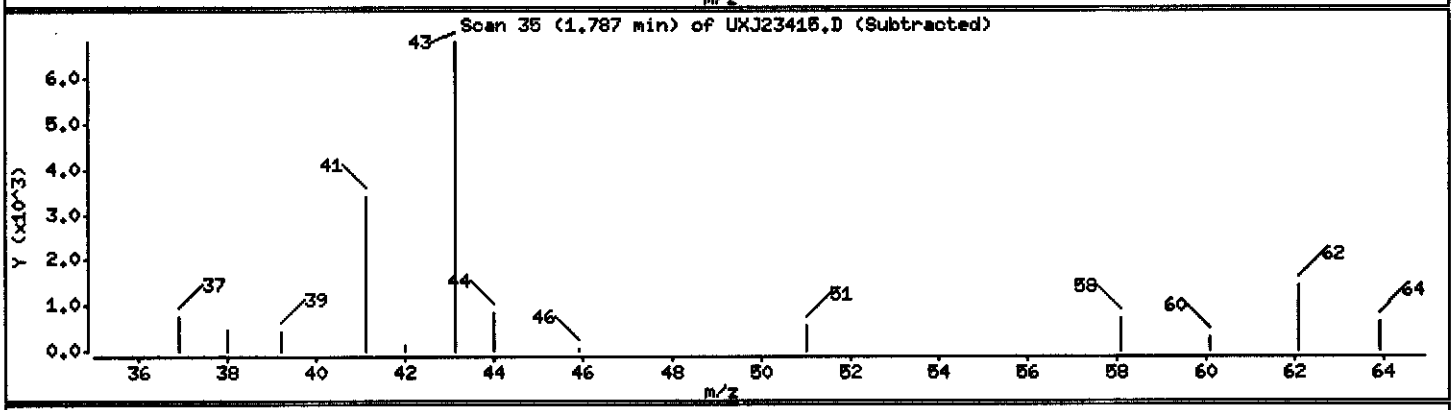
Sample Info: GNEJV1AA,5ML/5ML

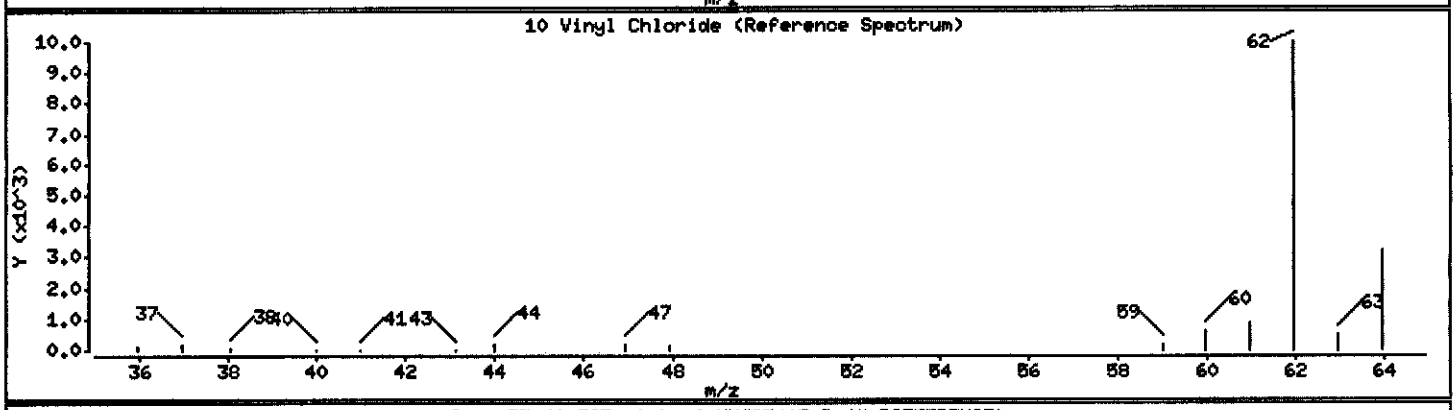
Purge Volume: 5.0 Operator: 43582

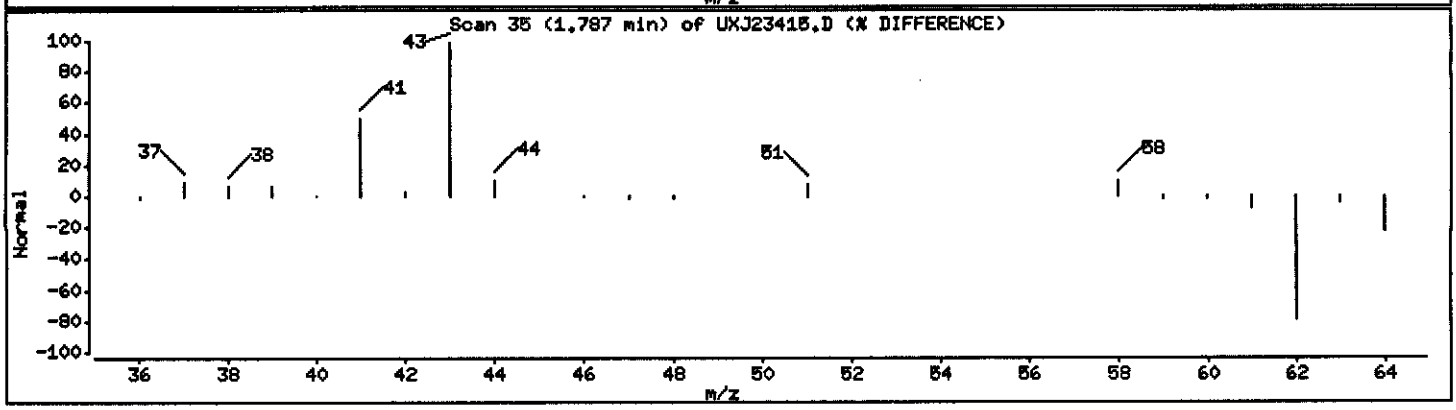
Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 0.1760 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23415.D

Date : 26-AUG-2004 05:47

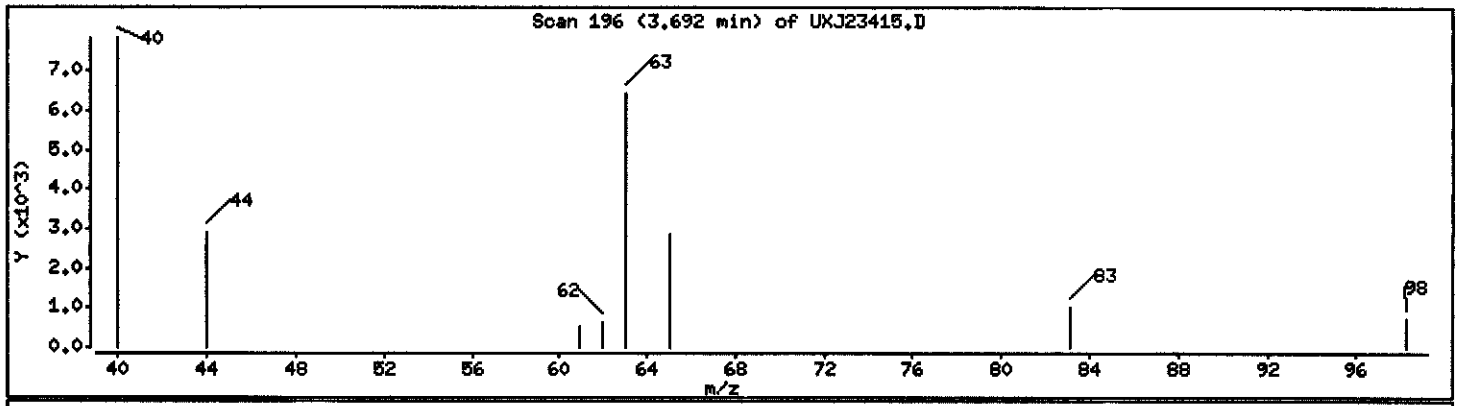
Client ID: MW507/081704 Instrument: a3ux11.i

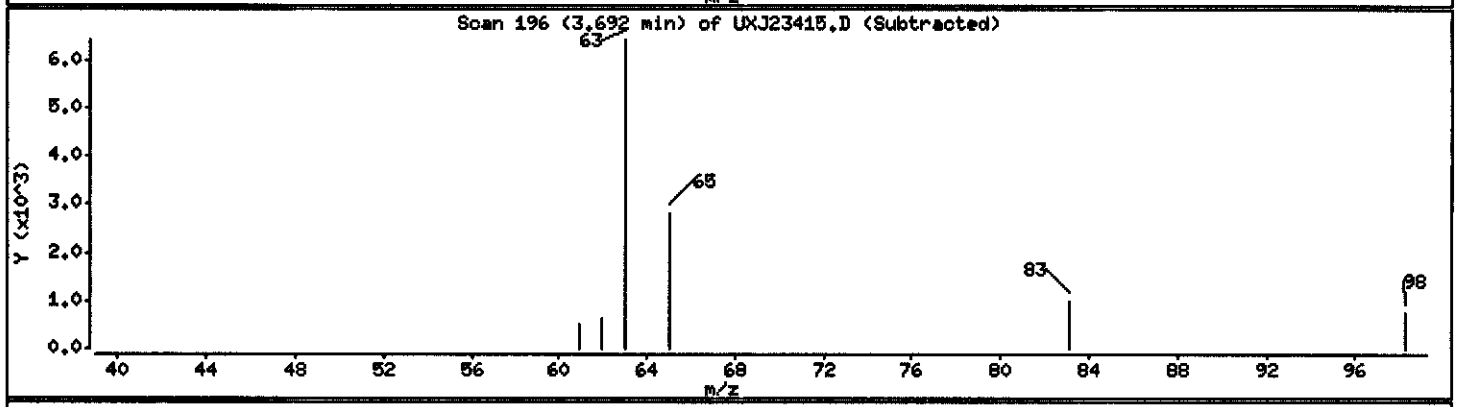
Sample Info: GNEJV1AA,5ML/5ML

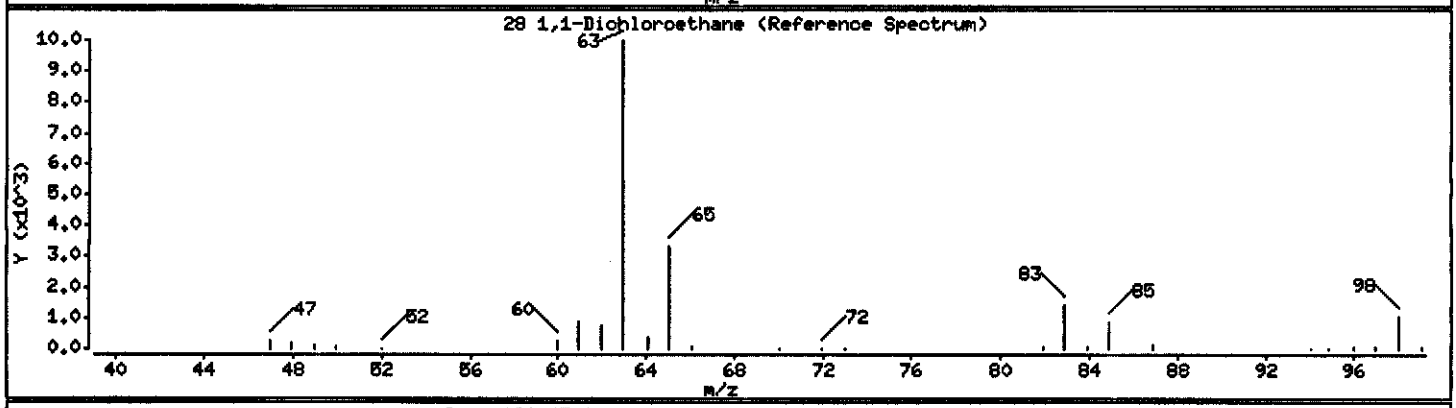
Purge Volume: 5.0 Operator: 43582

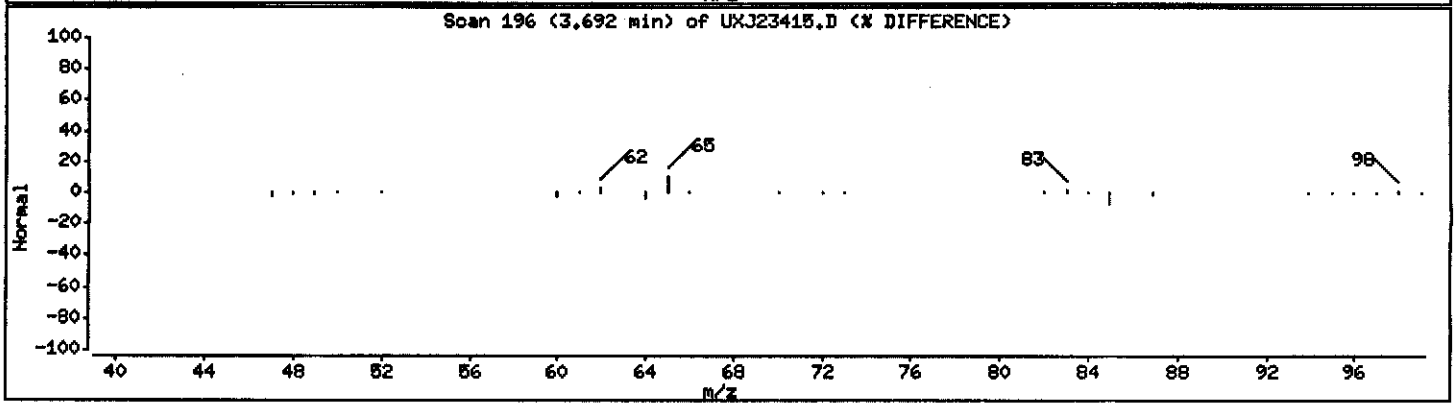
Column phase: DB624 Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 0.2166 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23415.D

Date : 26-AUG-2004 05:47

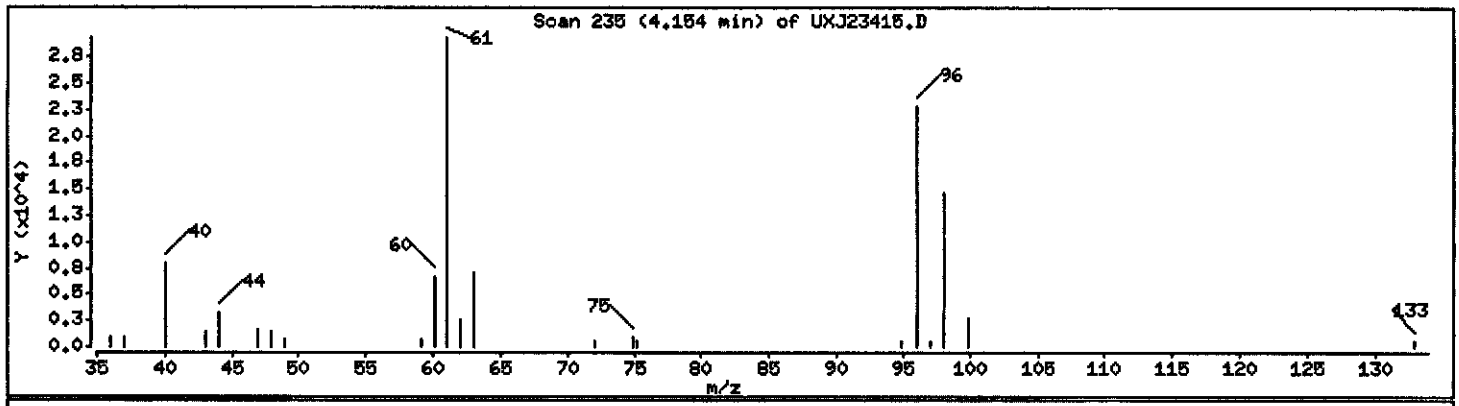
Client ID: MW507/081704 Instrument: a3ux11.i

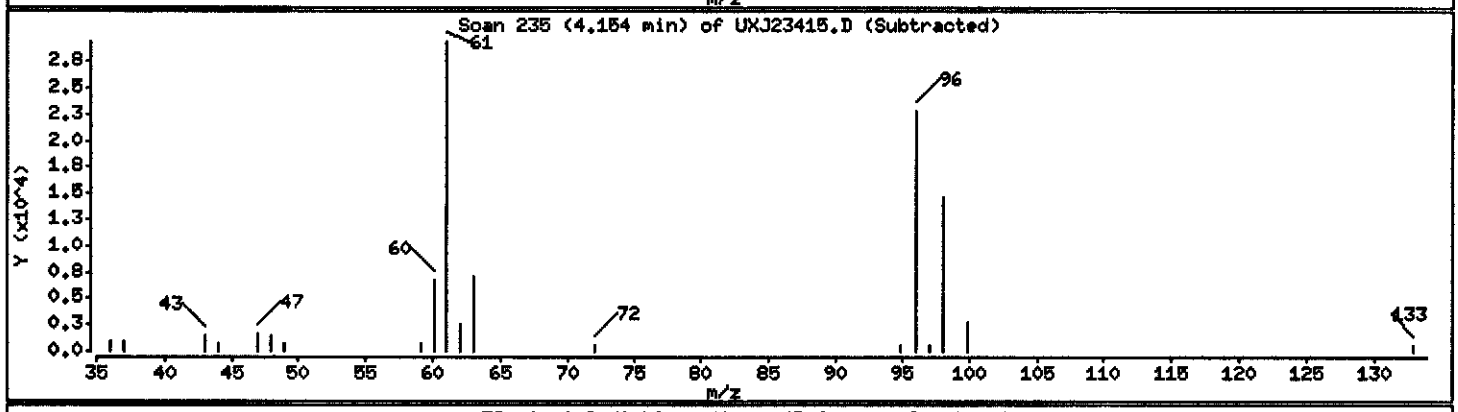
Sample Info: GNEJV1AA,5ML/5ML

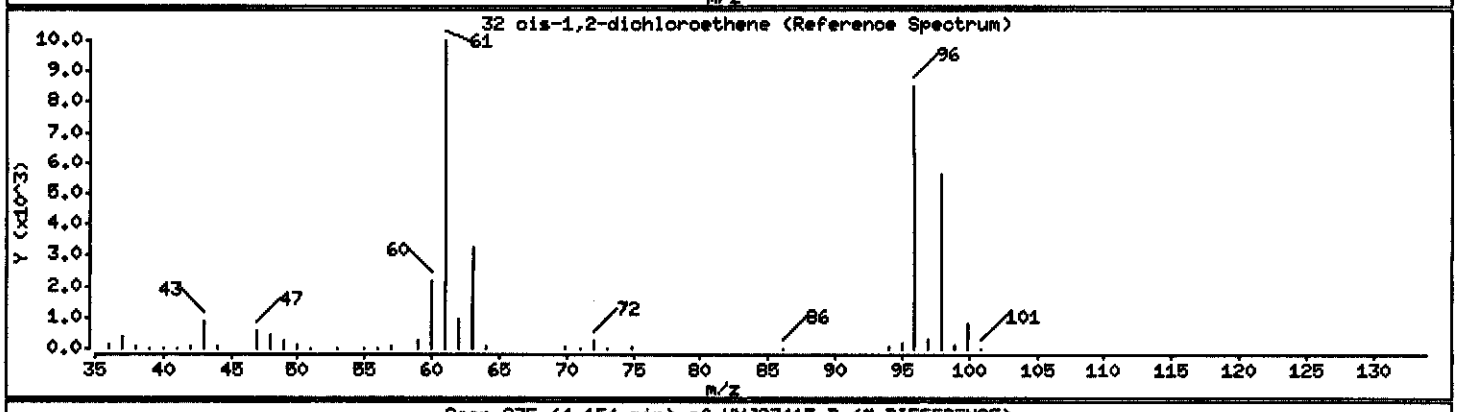
Purge Volume: 5.0 Operator: 43582

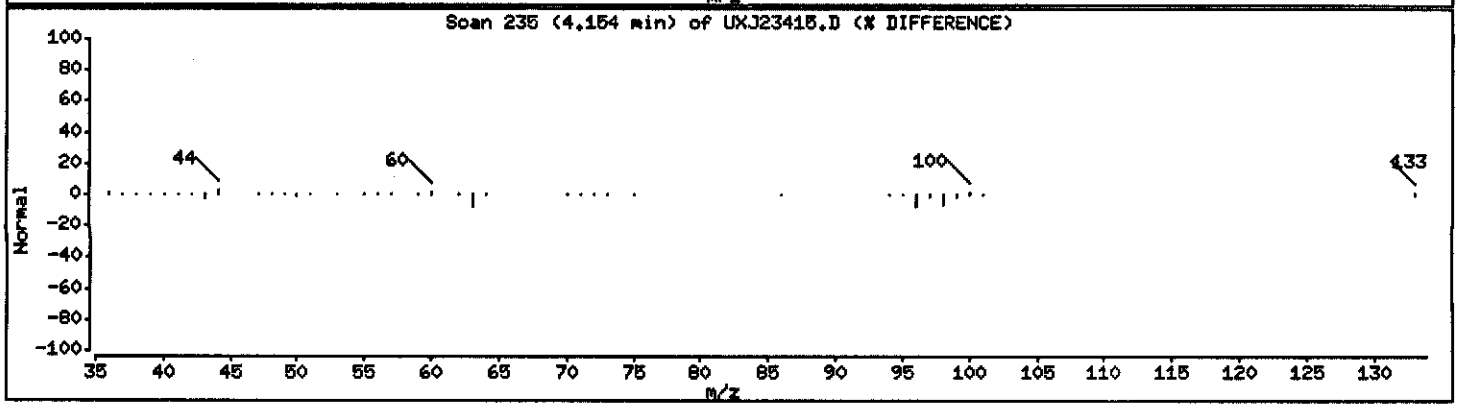
Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 1.268 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23415.D

Date : 26-AUG-2004 05:47

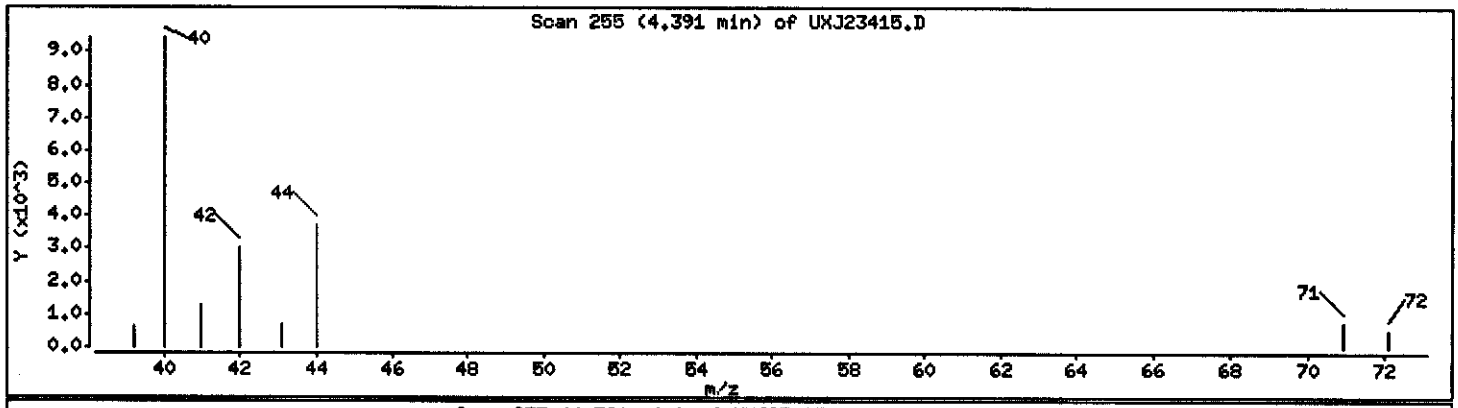
Client ID: MW507/081704 Instrument: a3ux11.i

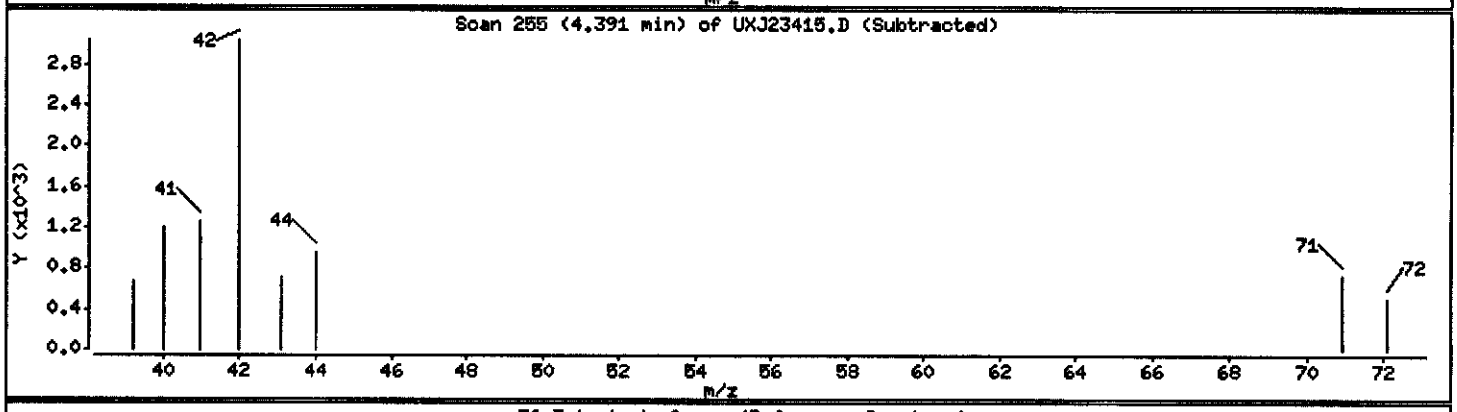
Sample Info: GNEJV1AA,5ML/5ML

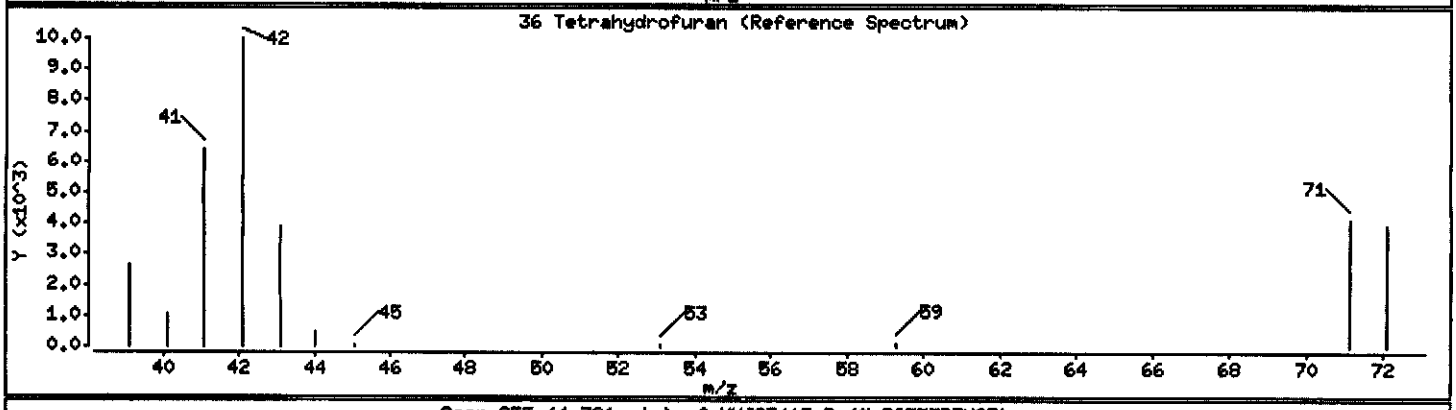
Purge Volume: 5.0 Operator: 43582

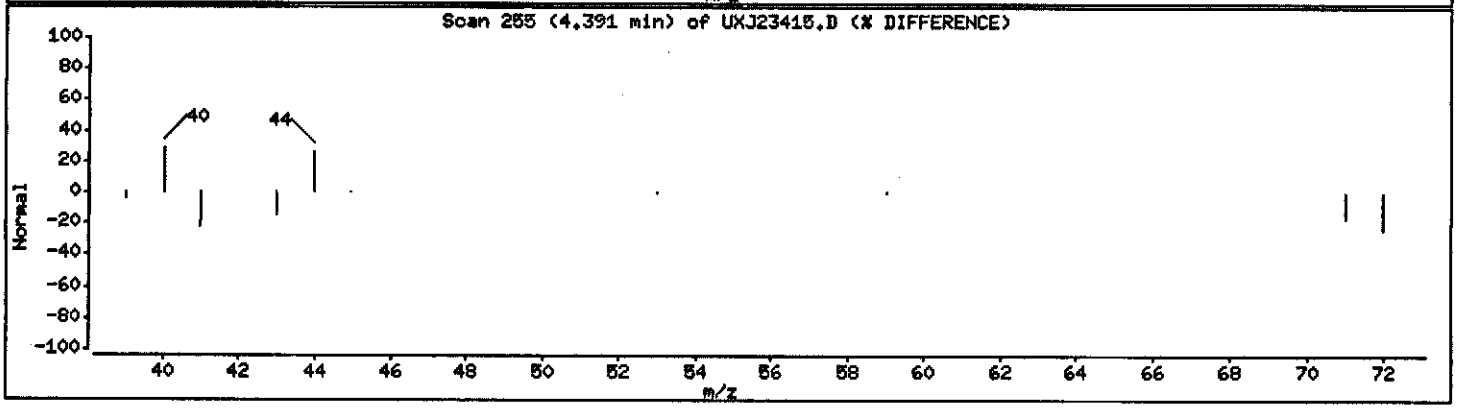
Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 0.4693 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23415.D

Date : 26-AUG-2004 05:47

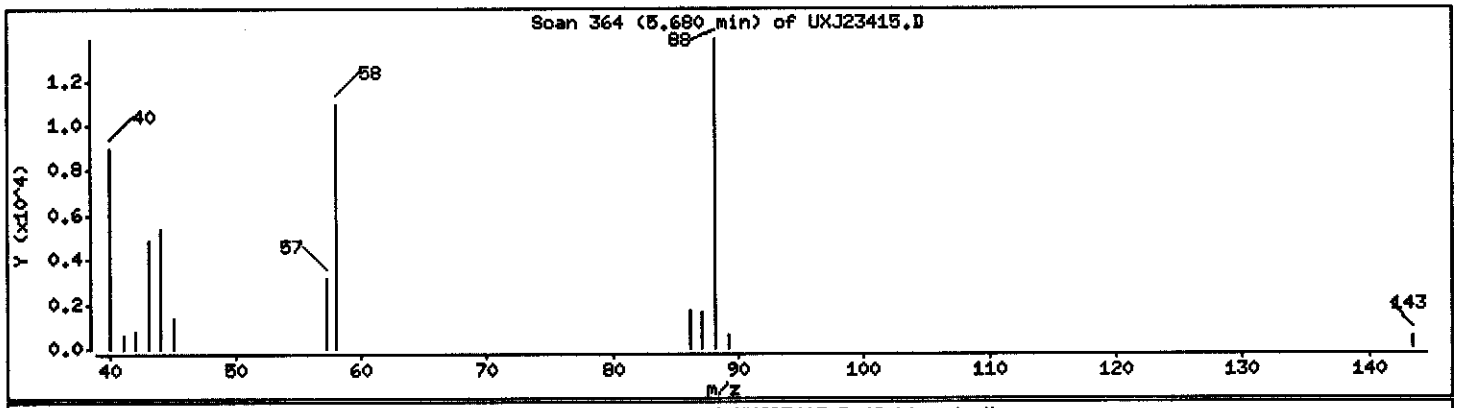
Client ID: MW507/081704 Instrument: a3ux11.i

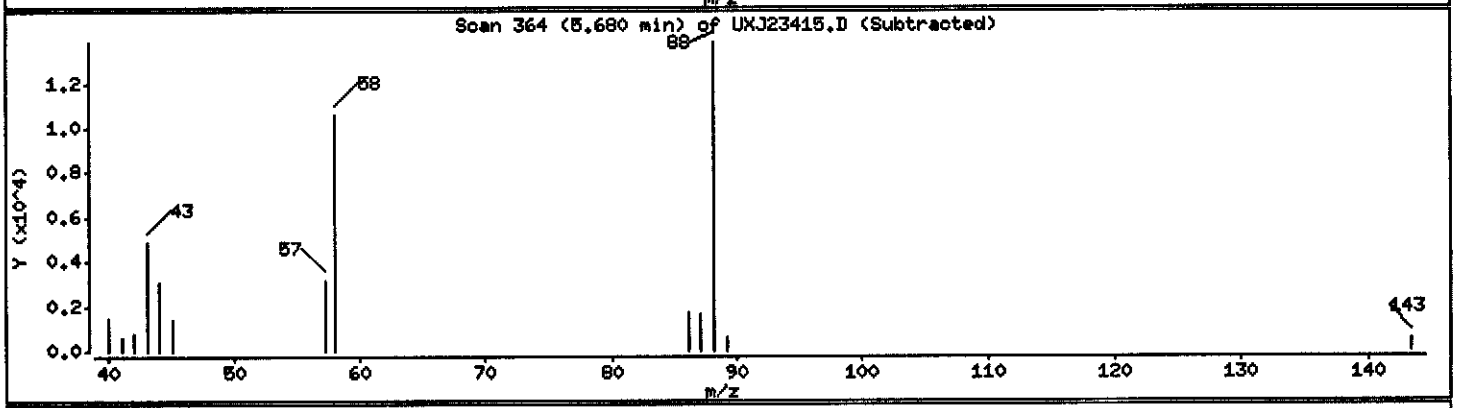
Sample Info: GNEJV1AA,5ML/5ML

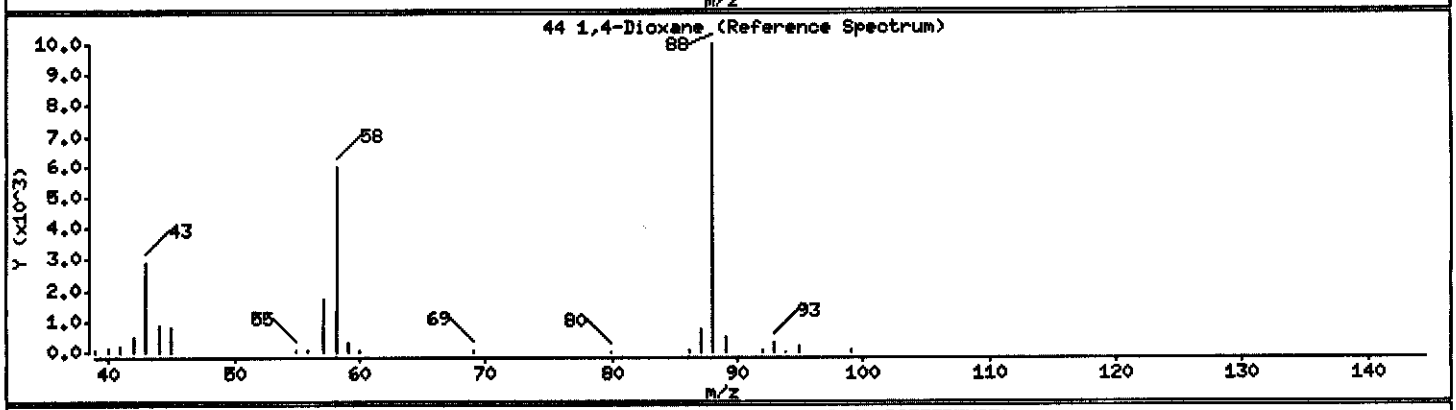
Purge Volume: 5.0 Operator: 43582

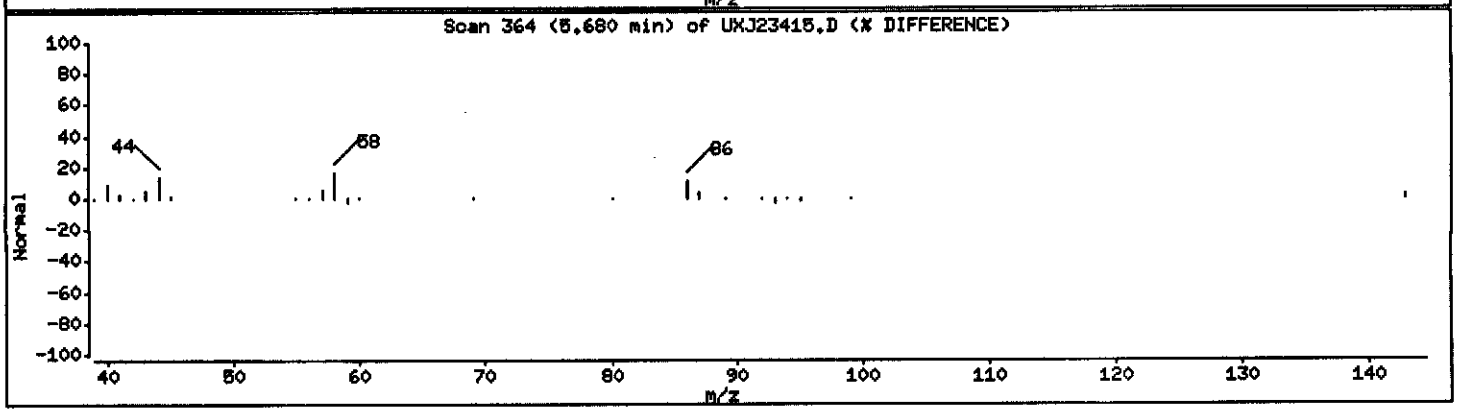
Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 84.443 ug/L









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Date : 26-AUG-2004 05:47

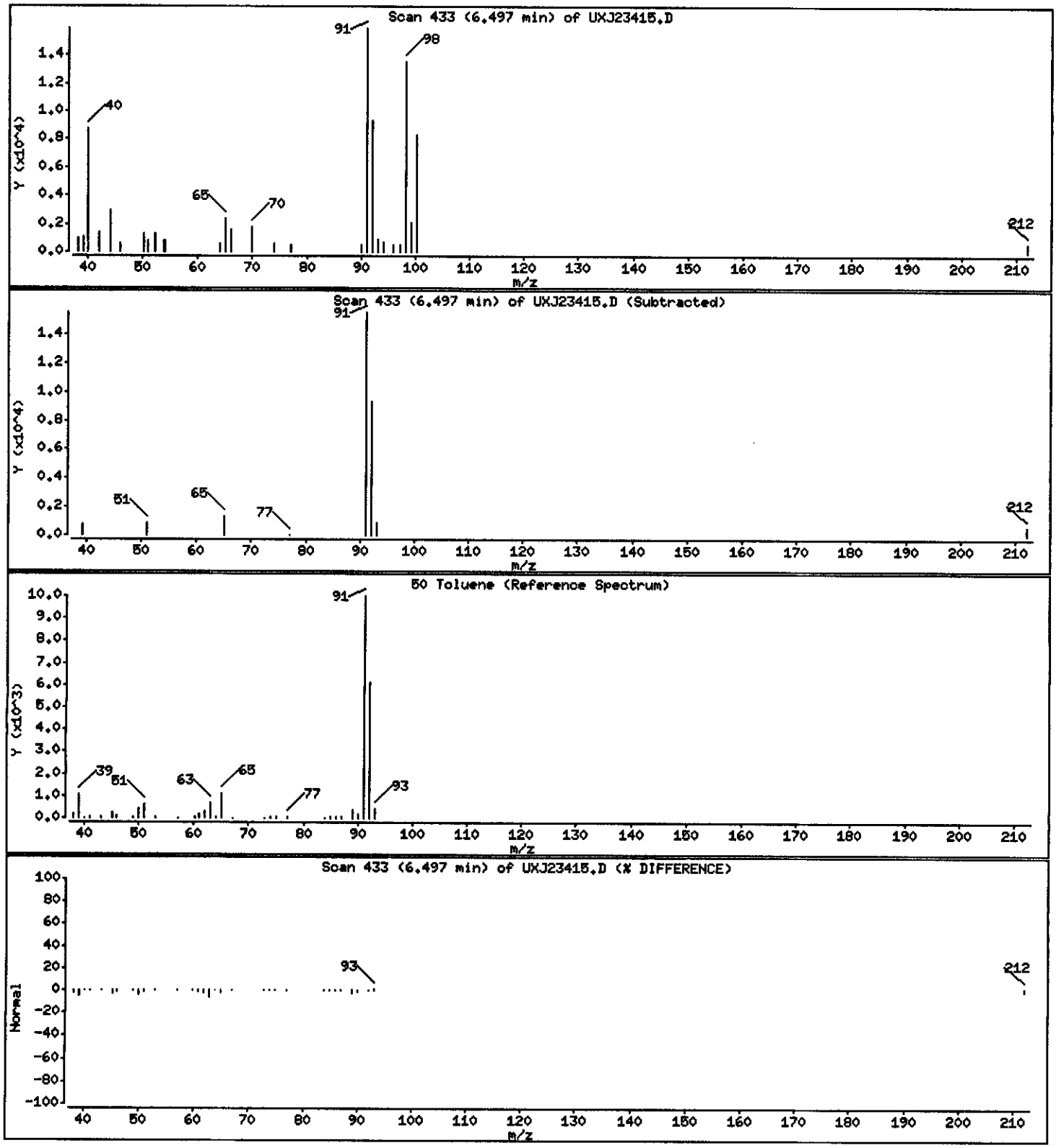
Client ID: MW507/081704 Instrument: a3ux11.i

Sample Info: GNEJV1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.1876 ug/L



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Date : 26-AUG-2004 05:47

Client ID: MW507/081704

Instrument: a3ux11.i

Sample Info: GNEJV1AA,5ML/5ML

Purge Volume: 5.0

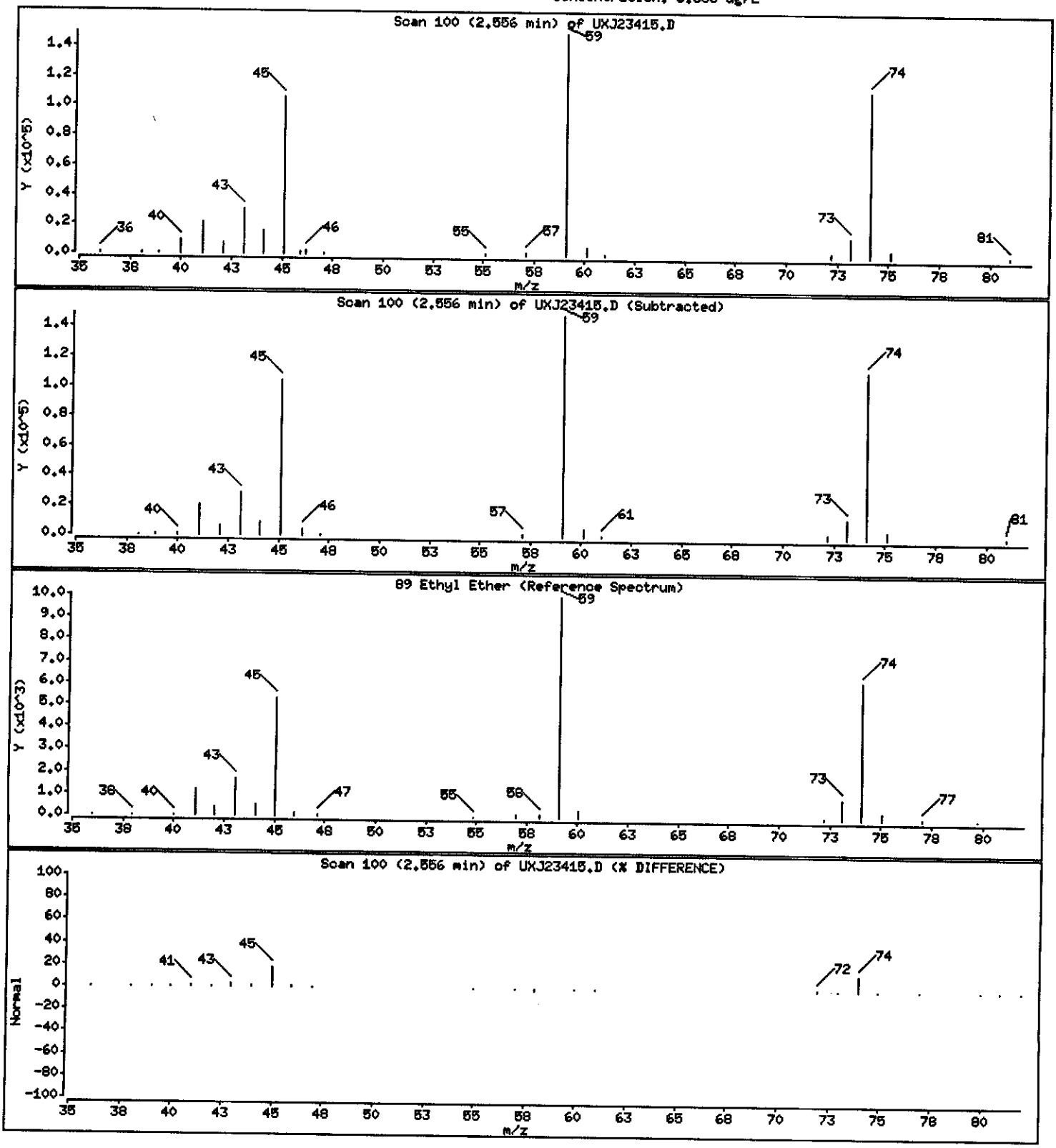
Operator: 43582

Column phase: DB624

Column diameter: 0.18

89 Ethyl Ether

Concentration: 8.536 ug/L



PAYNE FIRM INC.

Client Sample ID: MW507B/081704

GC/MS Volatiles

Lot-Sample #...:	A4H180231-009	**Work Order #...:**	GNEJW1AA	**Matrix.....:**	WG
Date Sampled...:	08/17/04 09:25	**Date Received..:**	08/18/04		
Prep Date.....:	08/26/04	**Analysis Date..:**	08/26/04		
Prep Batch #...:	4239136				
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	**0.23 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	**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	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: MW507B/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-009 Work Order #...: GNEJW1AA 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	**0.37 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

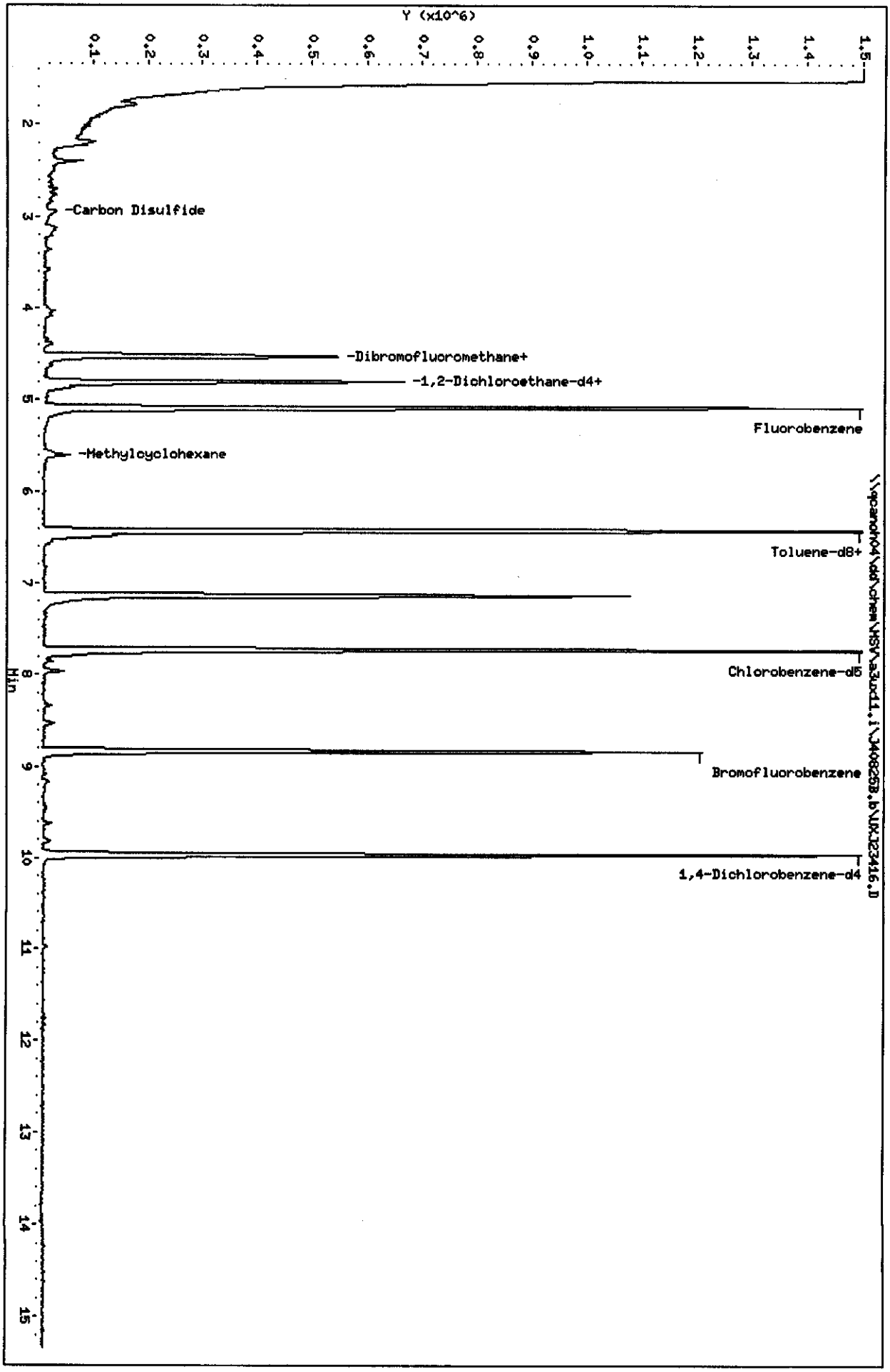
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
Toluene-d8	88	(76 - 110)
4-Bromofluorobenzene	76	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcandh04\dd\chem\HSV\a3ux11.i\J408265,b\UX123416.D
Date : 26-AUG-2004 06:10
Client ID: HH507B/061704
Sample Info: GNE:HI(A),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\J40825B.b\UXJ23416.D
Report Date: 26-Aug-2004 10:32

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23416.D
Lab Smp Id: GNEJW1AA Client Smp ID: MW507B/081704
Inj Date : 26-AUG-2004 06:10
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GNEJW1AA,5ML/5ML
Misc Info : J40825B,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m
Meth Date : 26-Aug-2004 10:17 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 4
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	5.088	5.088	(1.000)	1528557	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1336580	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.964	9.963	(1.000)	563137	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	412891	57.3971	11.479
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	525475	55.1573	11.031
$ 6 Toluene-d8	98	6.437	6.425	(0.832)	1412524	44.1107	8.822
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	516086	38.0283	7.606
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\J40825B.b\UXJ23416.D
Report Date: 26-Aug-2004 10:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	2.958	2.947	(0.581)	55857	2.37780	0.4756
	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	4.864	4.863	(0.956)	39052	1.13504	0.2270
	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	6.485	6.485	(0.838)	70327	1.86231	0.3725
	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\J40825B.b\UXJ23416.D
Report Date: 26-Aug-2004 10:32

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	4.627	4.627	(0.909)	4215	6.00316	1.201
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.574	5.573	(1.095)	5804	5.78465	1.157
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23416.D

Date : 26-AUG-2004 06:10

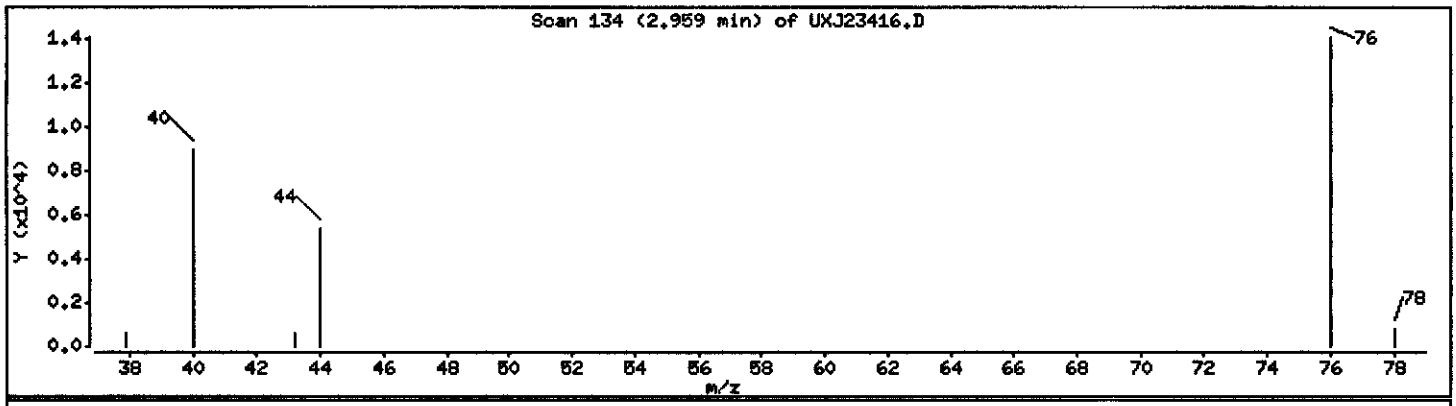
Client ID: MW507B/081704 Instrument: a3ux11.i

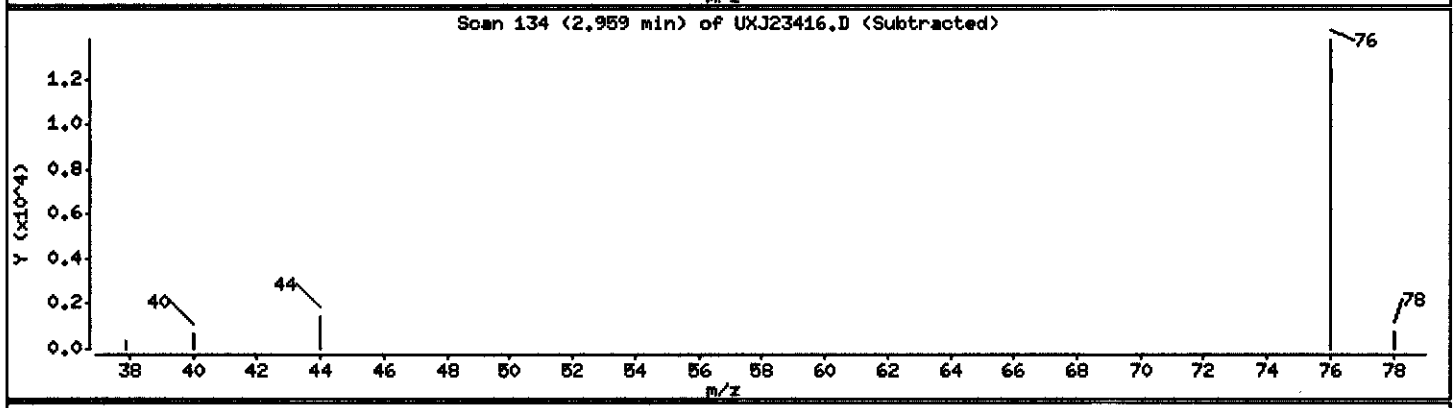
Sample Info: GNEJW1AA,5ML/5ML

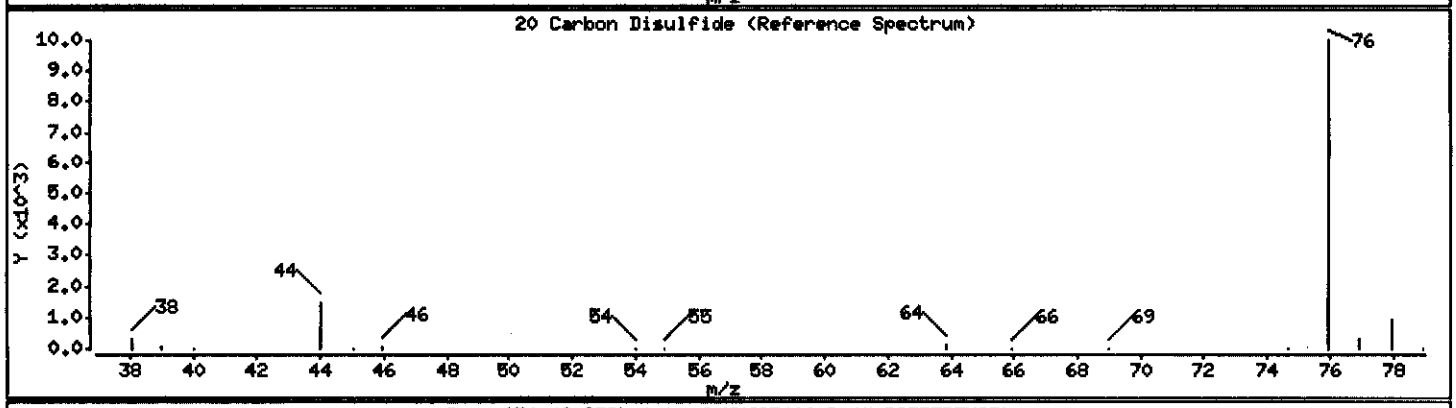
Purge Volume: 5.0 Operator: 43582

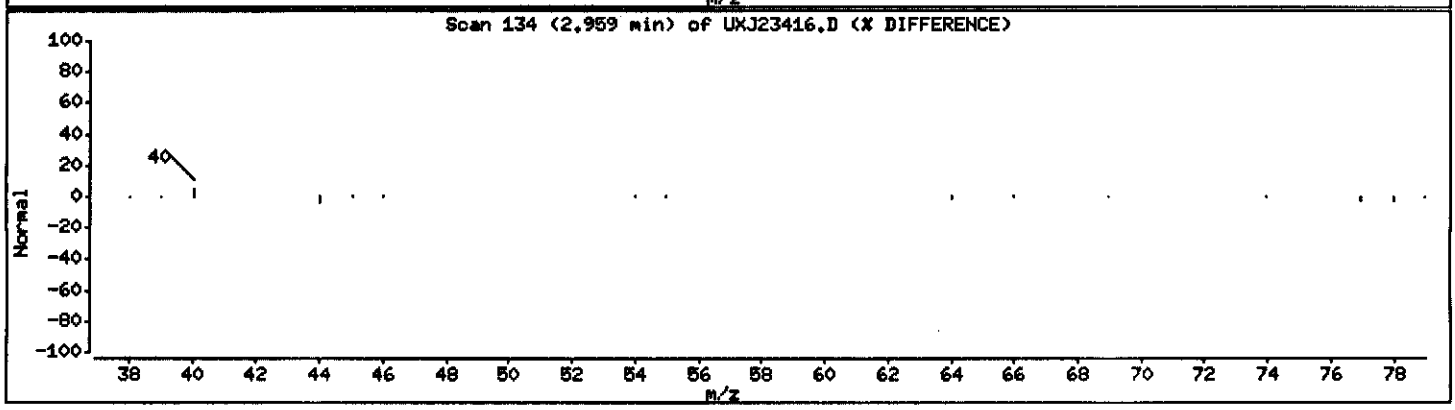
Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.4756 ug/L









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Date : 26-AUG-2004 06:10

Client ID: MW507B/081704

Instrument: a3ux11.i

Sample Info: GNEJW1AA,5ML/5ML

Purge Volume: 5.0

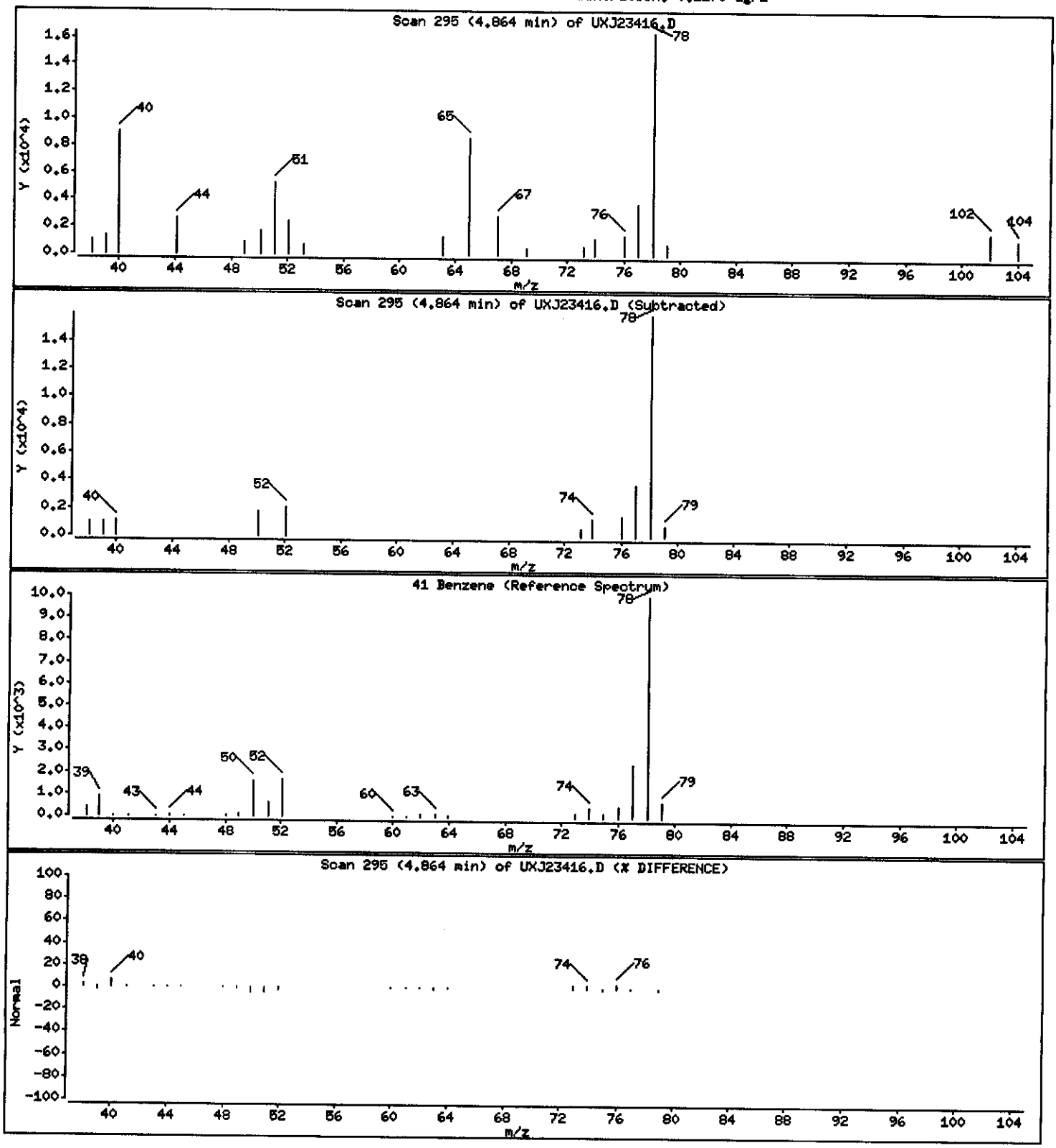
Operator: 43582

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 0.2270 ug/L



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Date : 26-AUG-2004 06:10

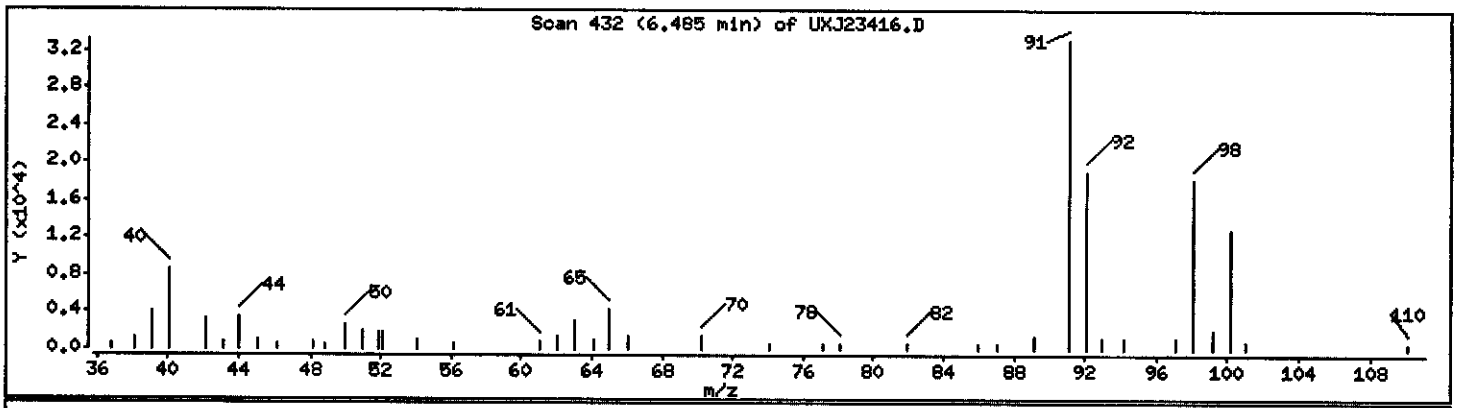
Client ID: MW507B/081704 Instrument: a3ux11.i

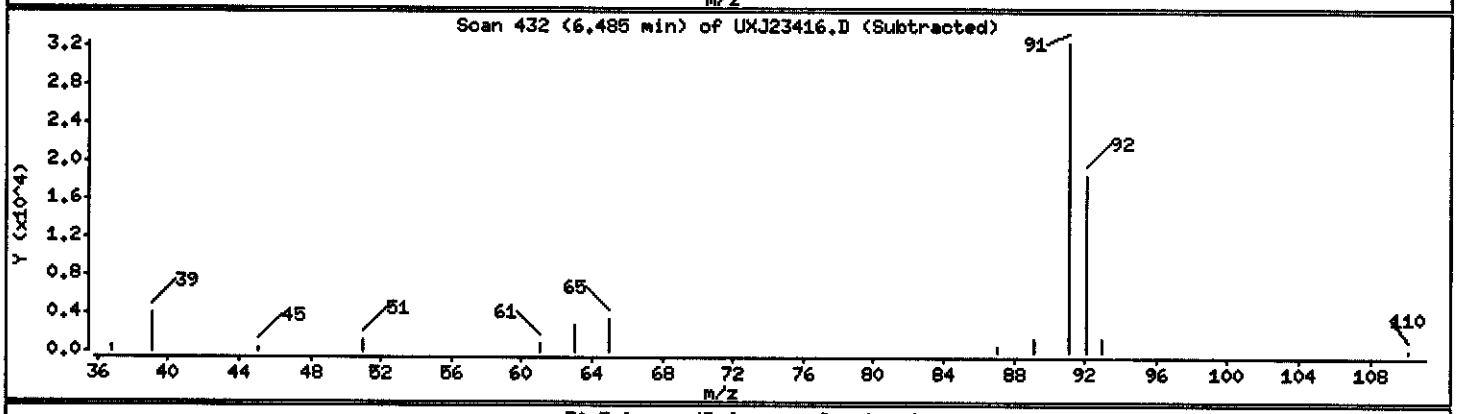
Sample Info: GNEJW1AA,5ML/5ML

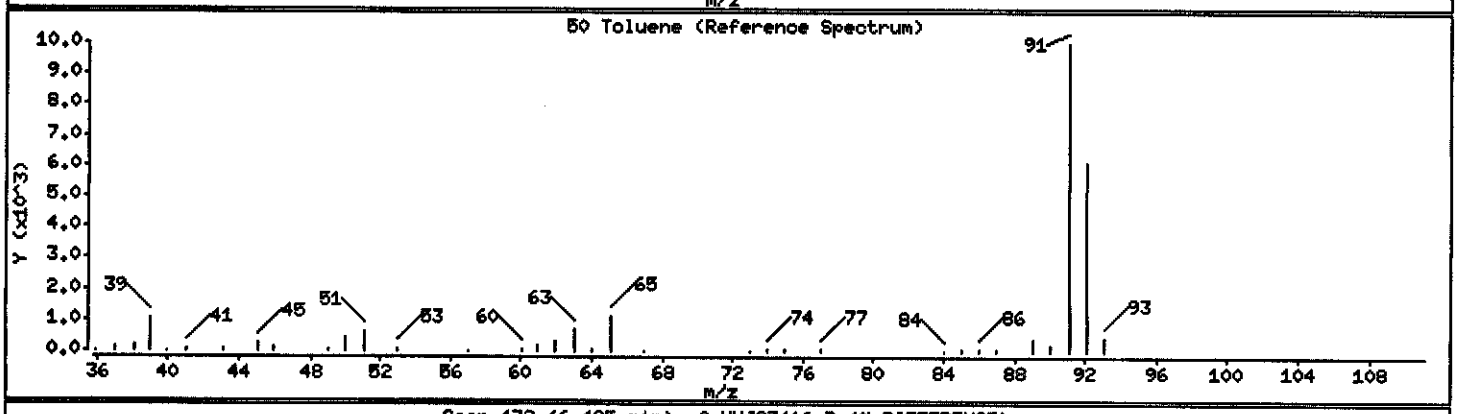
Purge Volume: 5.0 Operator: 43582

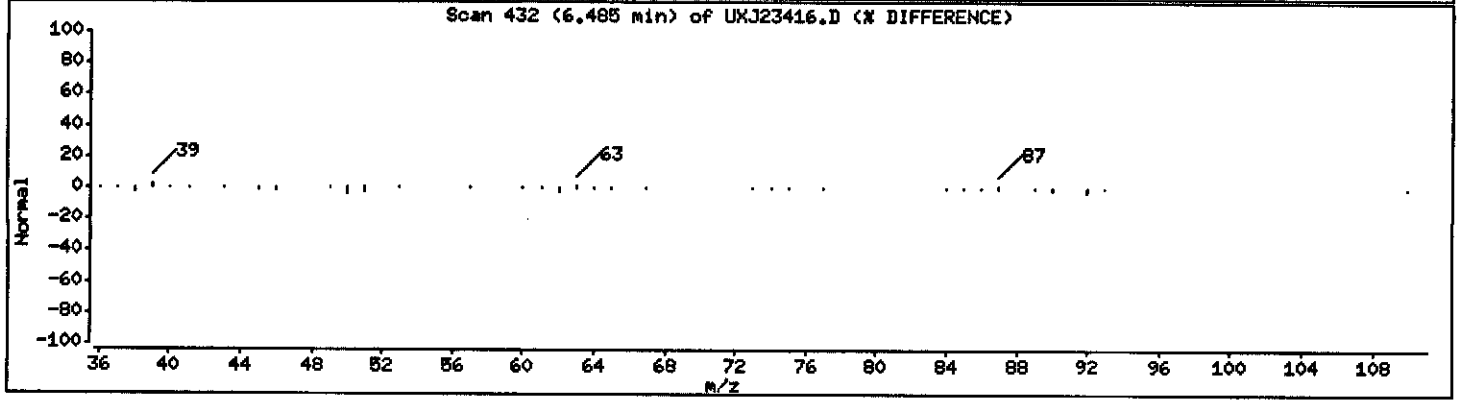
Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.3725 ug/L









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Date : 26-AUG-2004 06:10

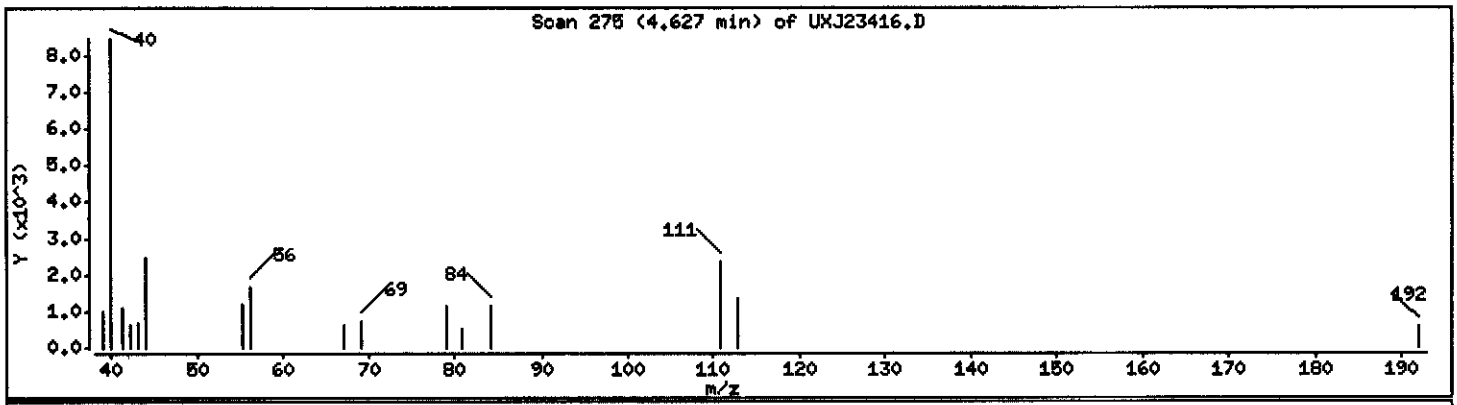
Client ID: MW507B/081704 Instrument: a3ux11.i

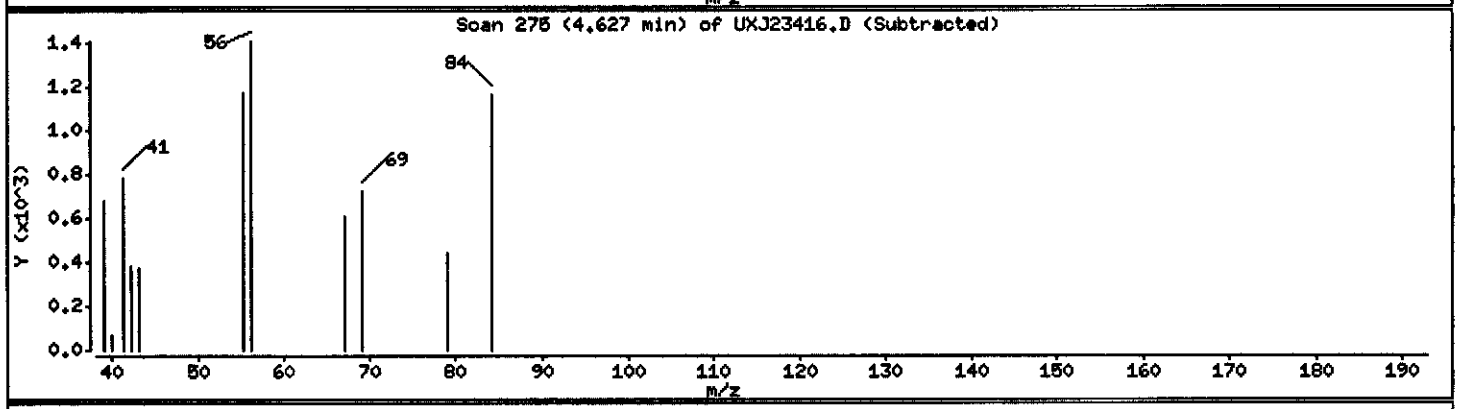
Sample Info: GNEJW1AA,5ML/5ML

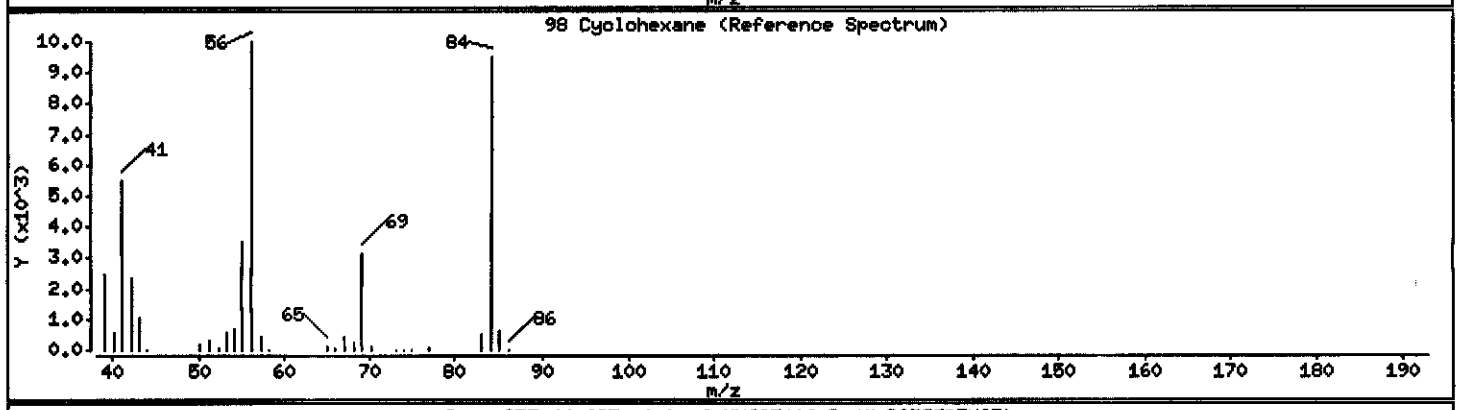
Purge Volume: 5.0 Operator: 43582

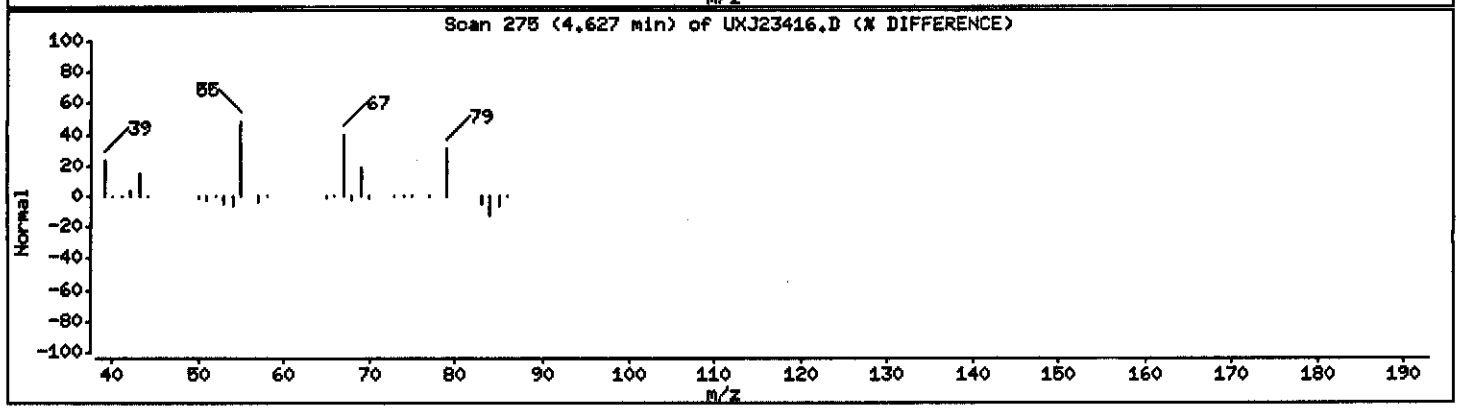
Column phase: DB624 Column diameter: 0.18

98 Cyclohexane Concentration: 1.201 ug/L









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Date : 26-AUG-2004 06:10

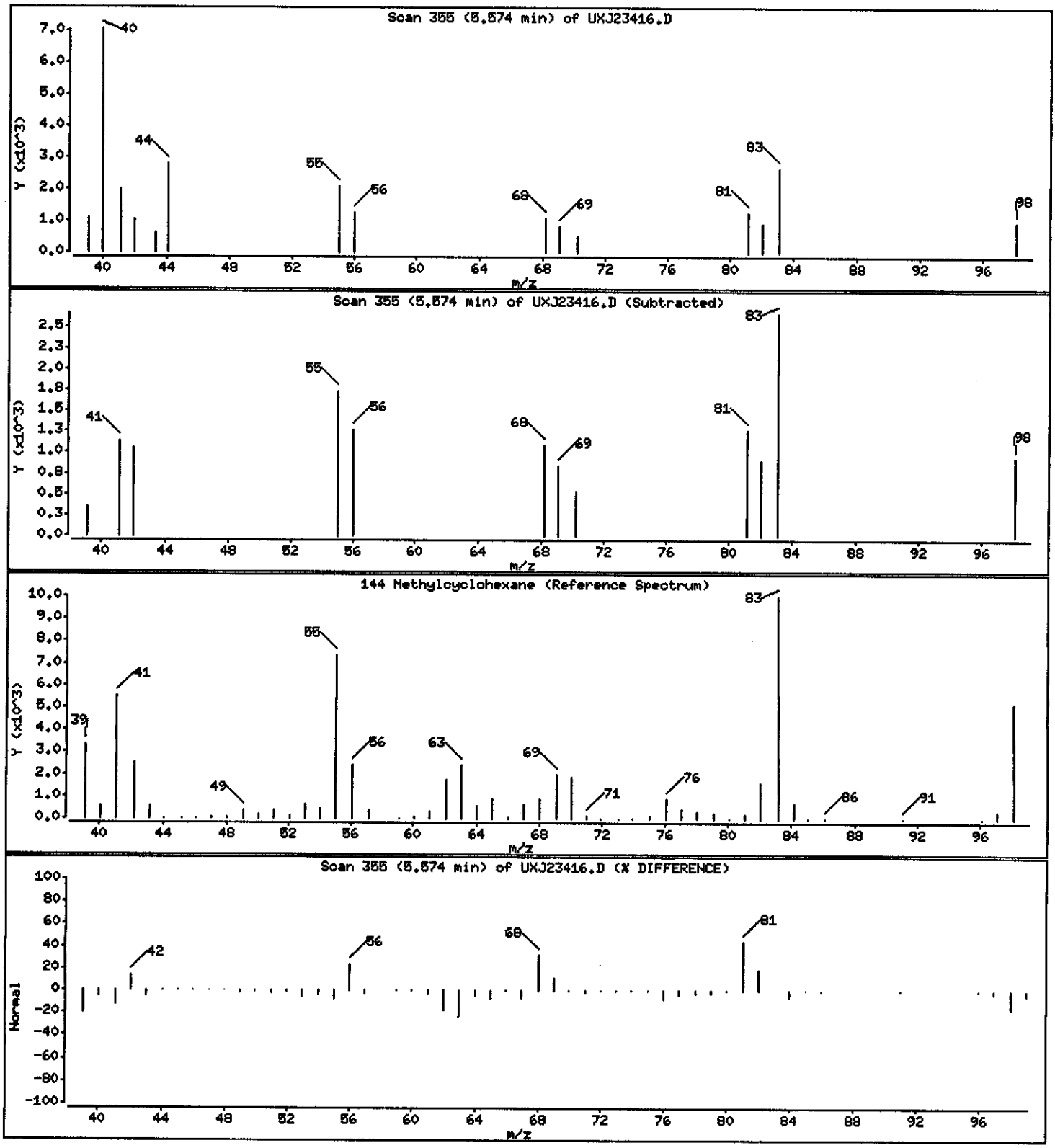
Client ID: MW507B/081704 Instrument: a3ux11.i

Sample Info: GNEJW1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

144 Methylcyclohexane Concentration: 1.157 ug/L



PAYNE FIRM INC.

Client Sample ID: MW509A/081704

GC/MS Volatiles

Lot-Sample #...:	A4H180231-010	**Work Order #...:**	GNEJX1AA	**Matrix.....:**	WG
Date Sampled...:	08/17/04 10:29	**Date Received..:**	08/18/04		
Prep Date.....:	08/26/04	**Analysis Date..:**	08/26/04		
Prep Batch #...:	4239136				
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	**0.25 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	**0.46 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	**0.30 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	**82**	**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/081704

GC/MS Volatiles

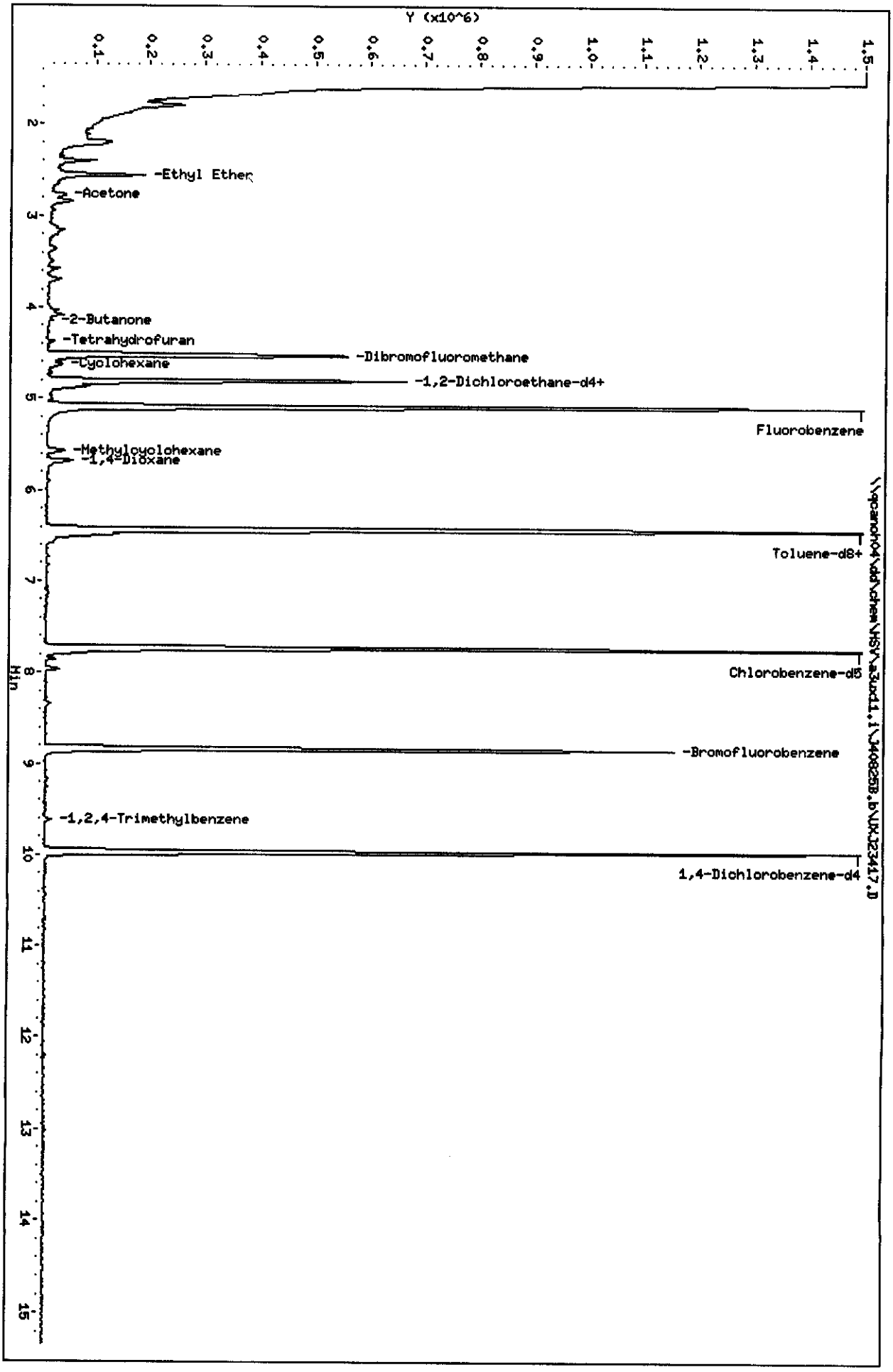
Lot-Sample #...: A4H180231-010 **Work Order #...:** GNEJX1AA **Matrix.....:** WG

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	**0.41 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	114	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 26-AUG-2004 06:33
Client ID: HW5090/081704
Sample Info: GNEJX100,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ud1.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
-Ethyl Ether
-Acetone
-2-Butanone
-Tetrahydrofuran
-Dibromofluoromethane
-Cyclohexane
-1,2-Dichloroethane-d4+
Fluorobenzene
-Methylcyclohexane
-1,4-Dioxane
Toluene-d8+
Chlorobenzene-d5
-Bromofluorobenzene
-1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23417.D
Report Date: 26-Aug-2004 10:33

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23417.D
Lab Smp Id: GNEJX1AA Client Smp ID: MW509A/081704
Inj Date : 26-AUG-2004 06:33
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GNEJX1AA,5ML/5ML
Misc Info : J40825B,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m
Meth Date : 26-Aug-2004 10:17 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 5
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	5.088	5.088	(1.000)	1537355	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1249311	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.964	9.963	(1.000)	553145	50.0000	
$ 4 Dibromofluoromethane	113	4.532	4.520	(0.891)	411646	56.8966	11.379
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	519633	54.2320	10.846
$ 6 Toluene-d8	98	6.437	6.425	(0.832)	1441691	48.1664	9.633
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	503042	39.6564	7.931
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	2.769	2.769	(0.544)	65143	6.12043	1.224
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23417.D
Report Date: 26-Aug-2004 10:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	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	4.142	4.142	(0.814)	10722	2.32182	0.4644
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	4.378	4.378	(0.860)	5184	2.05839	0.4117
	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	4.864	4.863	(0.956)	16808	1.49817	0.2996
	41 Benzene	78	4.864	4.863	(0.956)	42891	1.23948	0.2479
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.680	5.680	(1.116)	40386	410.854	82.171(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	6.485	6.485	(0.838)	72740	2.06076	0.4122
	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\J40825B.b\UXJ23417.D
Report Date: 26-Aug-2004 10:33

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	9.620	9.620	(0.966)	8809	2.66395	0.5328
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	2.556	2.556	(0.502)	109569	14.4541	2.891
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	4.627	4.627	(0.909)	12240	6.66210	1.332
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.573	5.573	(1.095)	11340	6.34241	1.268
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\MSV\a3ux11.i\J40825B.b\UXJ23417.D

Date : 26-AUG-2004 06:33

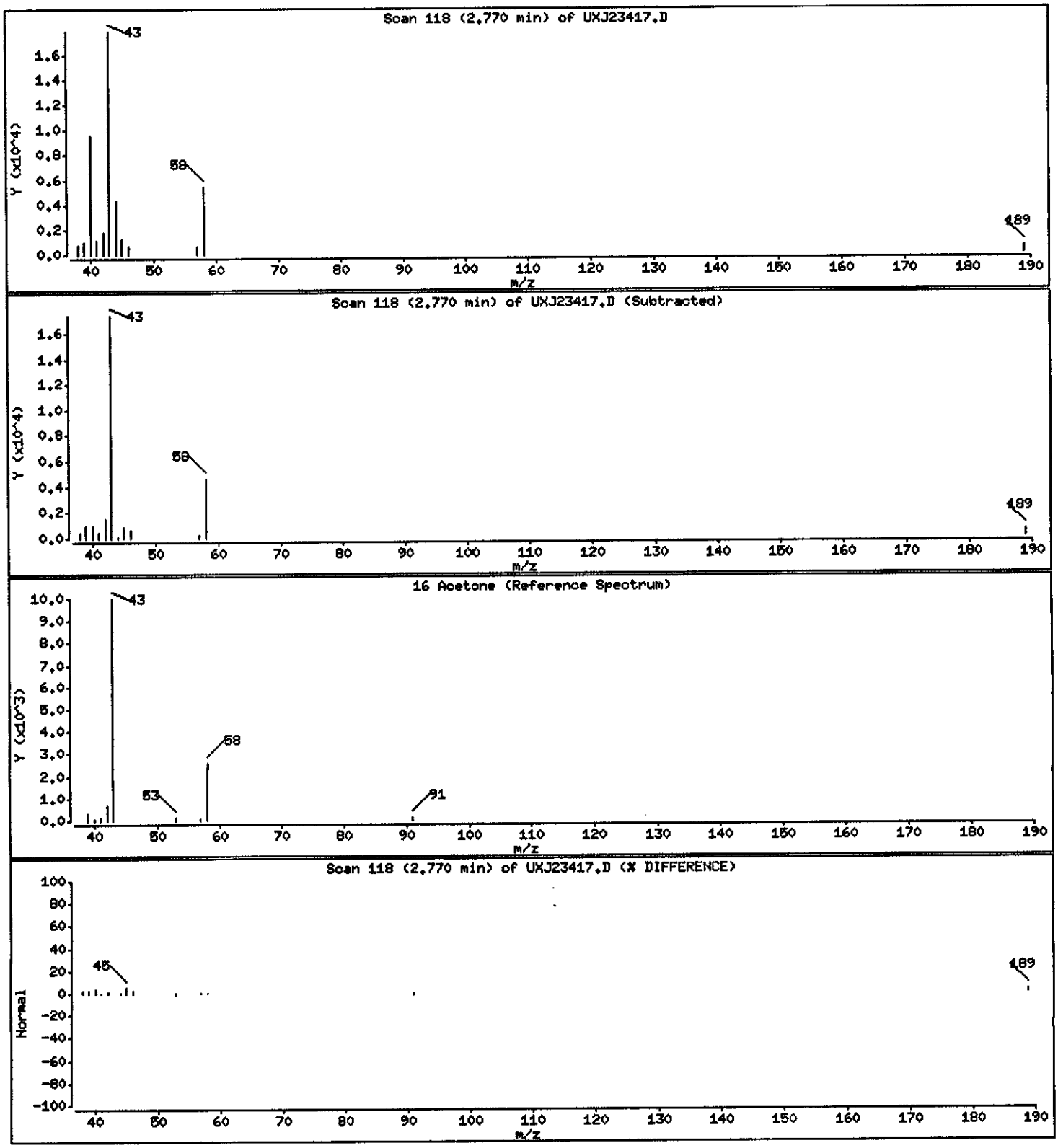
Client ID: MW509A/081704 Instrument: a3ux11.i

Sample Info: GNEJX1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43682

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 1.224 ug/L



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Date : 26-AUG-2004 06:33

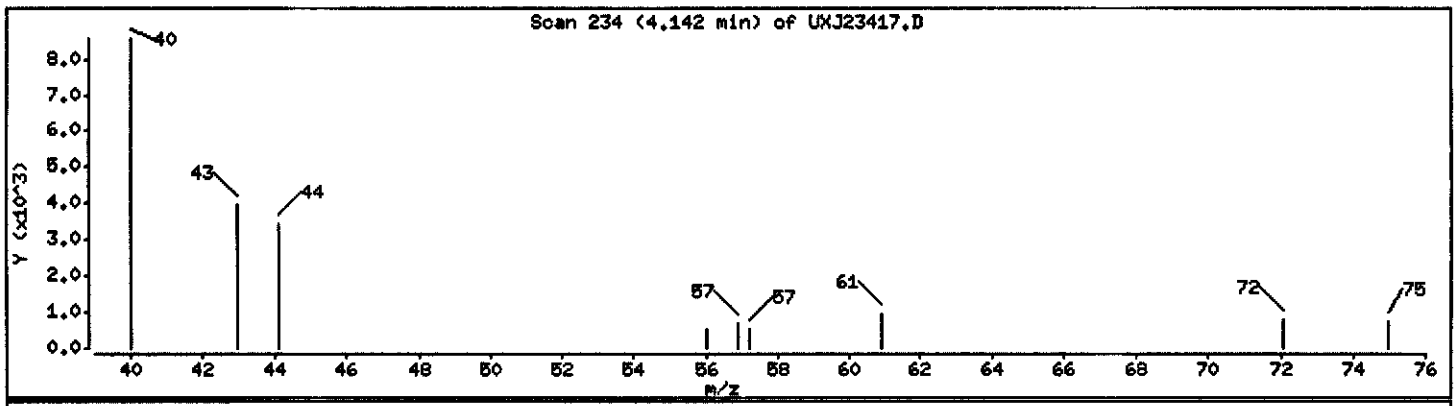
Client ID: MW509A/081704 Instrument: a3ux11.i

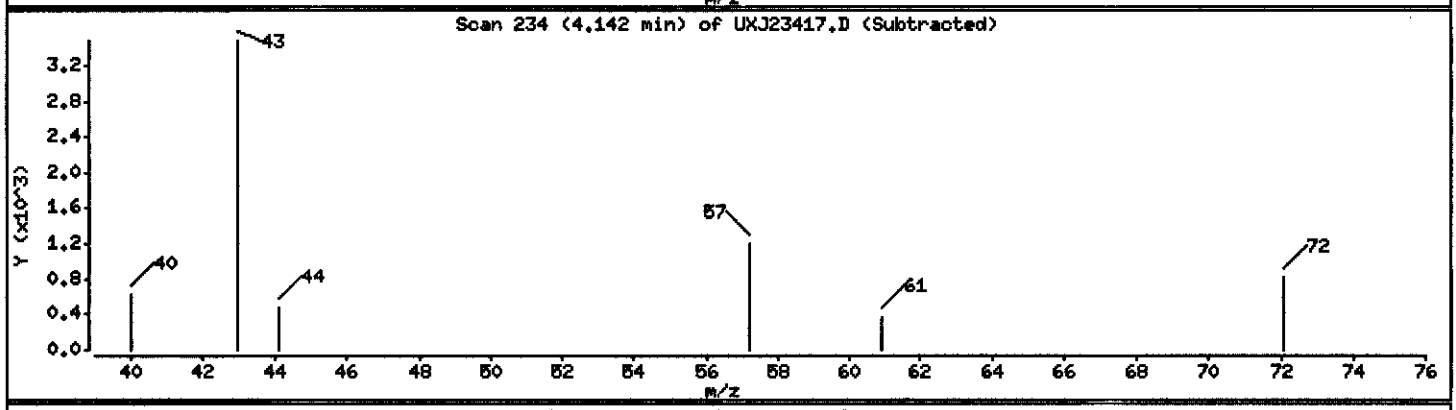
Sample Info: GNEJX1AA,5ML/5ML

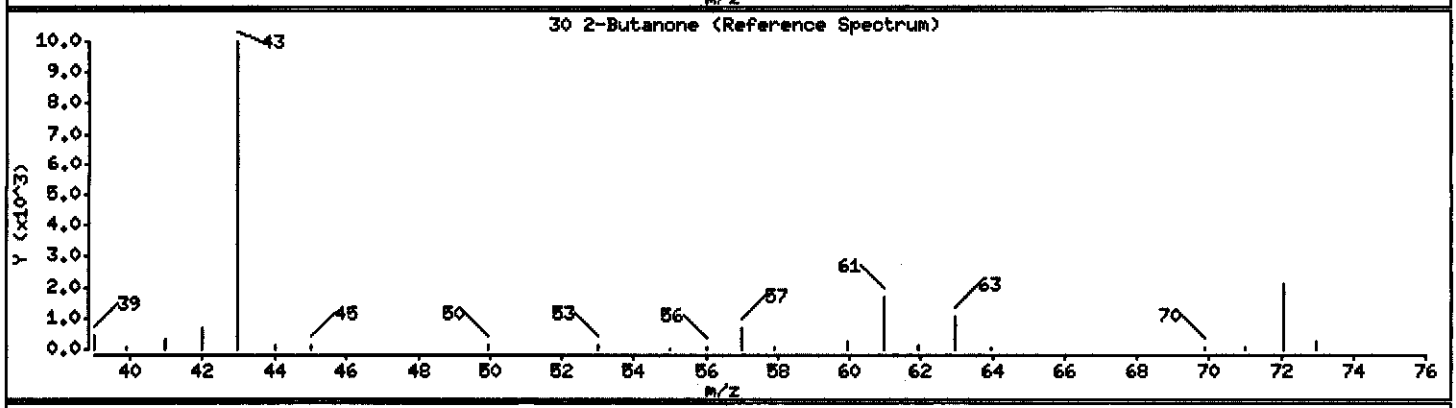
Purge Volume: 5.0 Operator: 43582

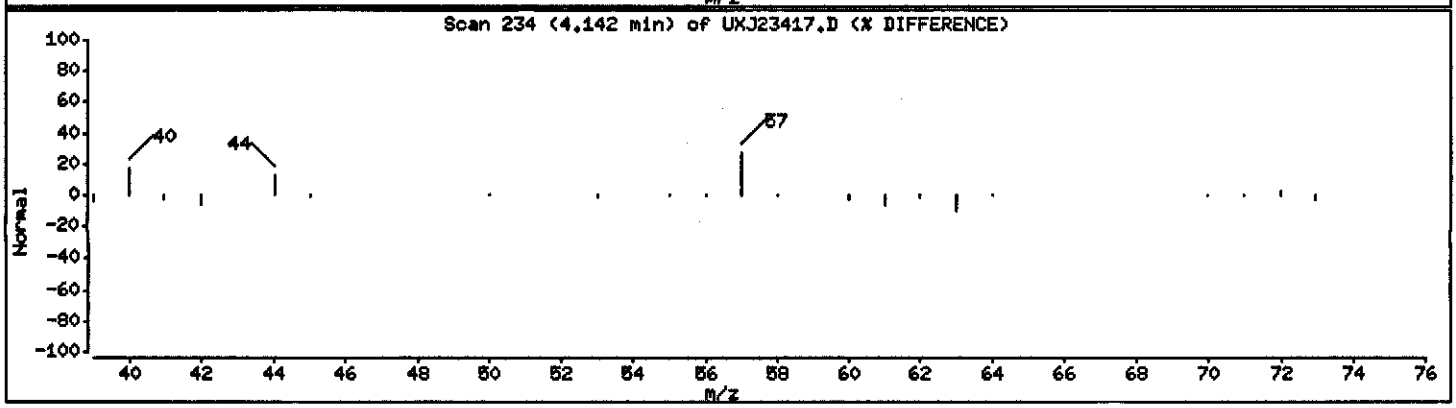
Column phase: DB624 Column diameter: 0.18

30 2-Butanone Concentration: 0.4644 ug/L









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Date : 26-AUG-2004 06:33

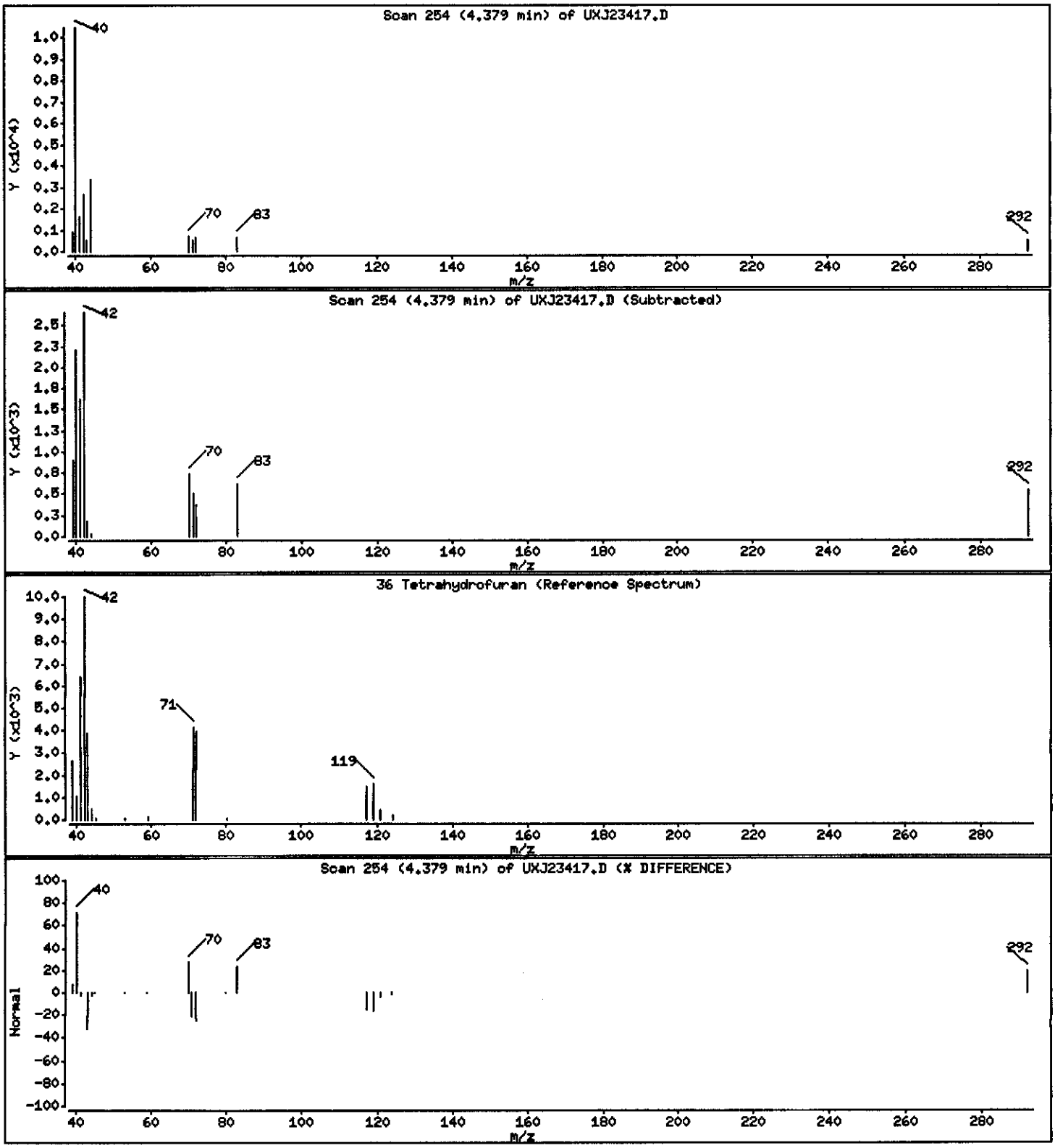
Client ID: MW509A/081704 Instrument: a3ux11.i

Sample Info: GNEJX1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 0.4117 ug/L



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Date : 26-AUG-2004 06:33

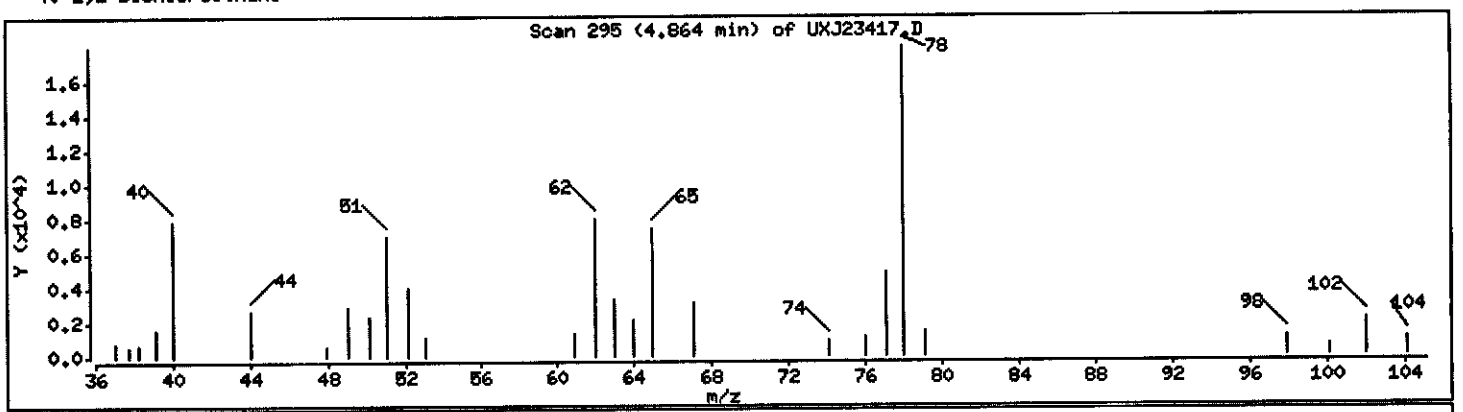
Client ID: MW509A/081704 Instrument: a3ux11.i

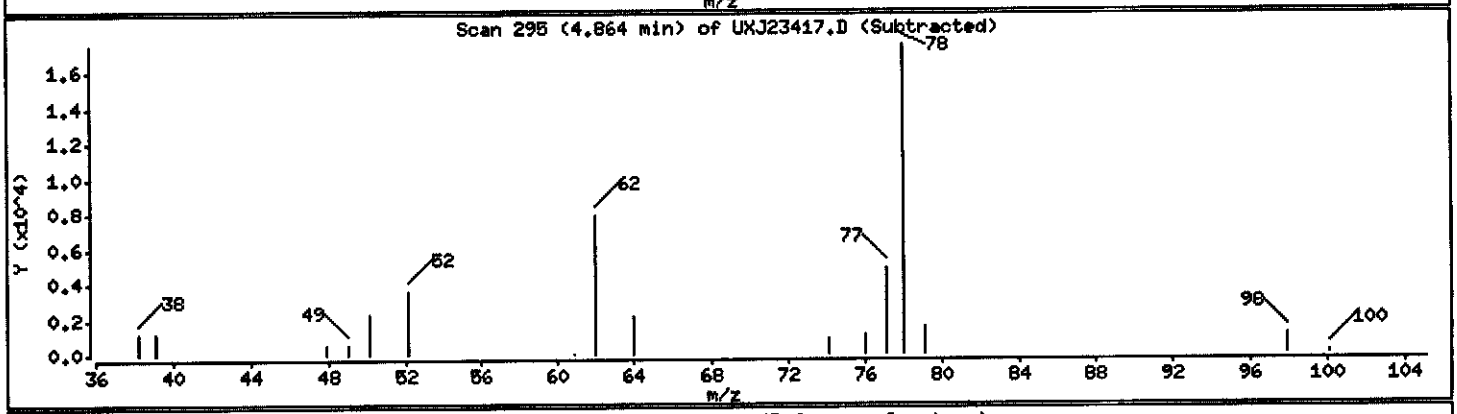
Sample Info: GNEJX1AA,5ML/5ML

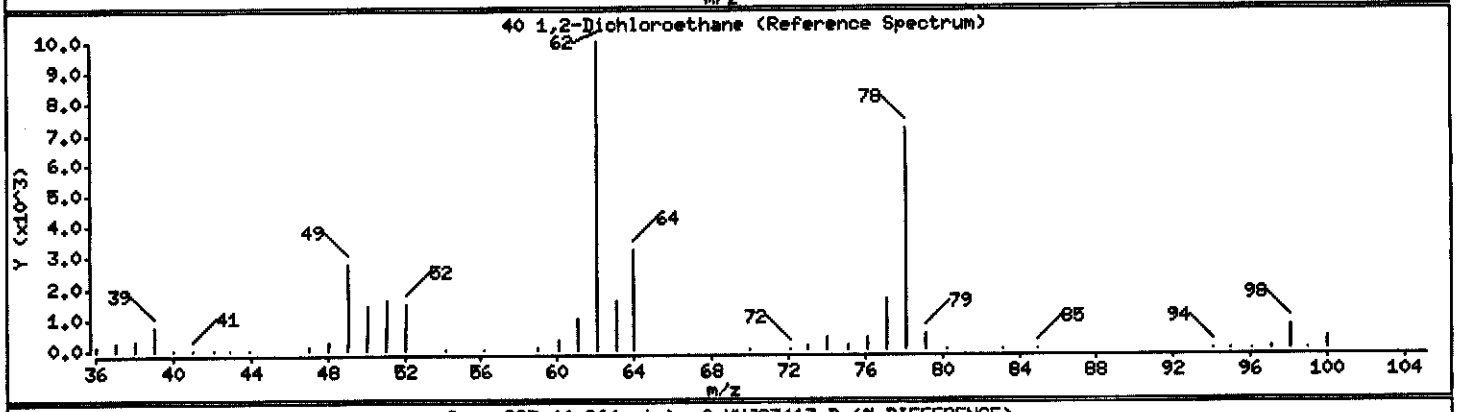
Purge Volume: 5.0 Operator: 43582

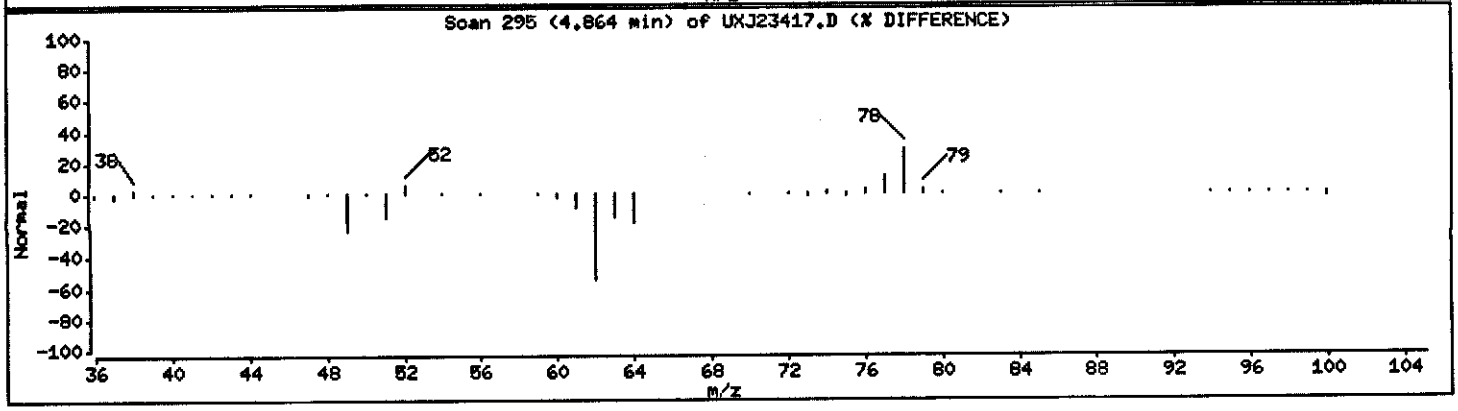
Column phase: DB624 Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 0.2996 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23417.D

Date : 26-AUG-2004 06:33

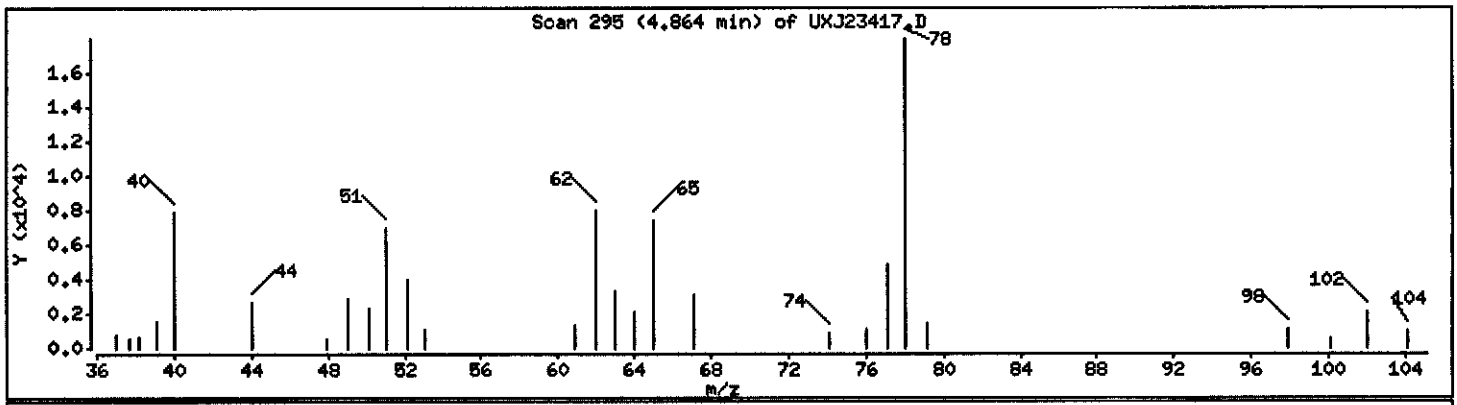
Client ID: MW509A/081704 Instrument: a3ux11.i

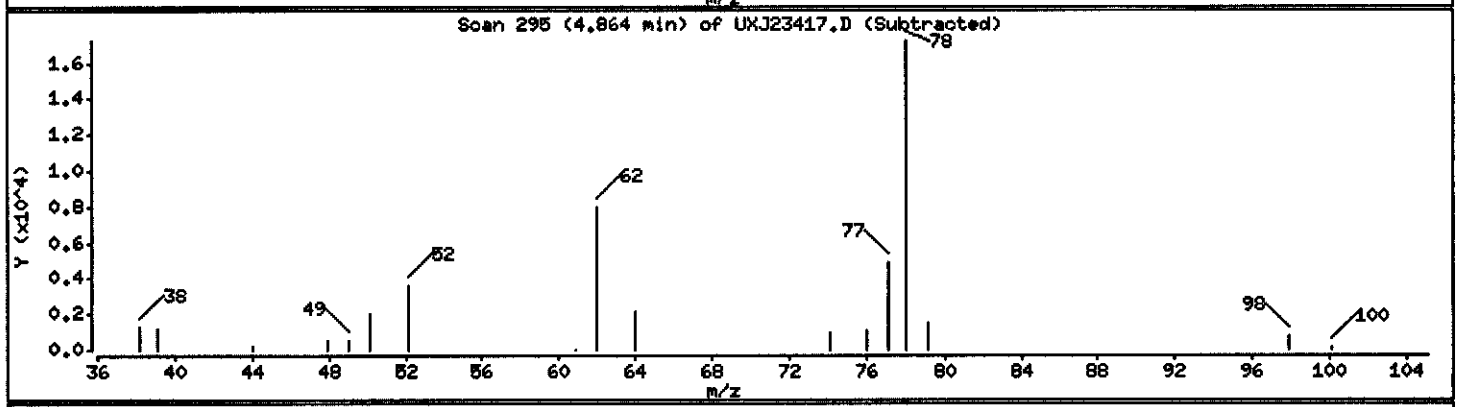
Sample Info: GNEJX1AA,5ML/5ML

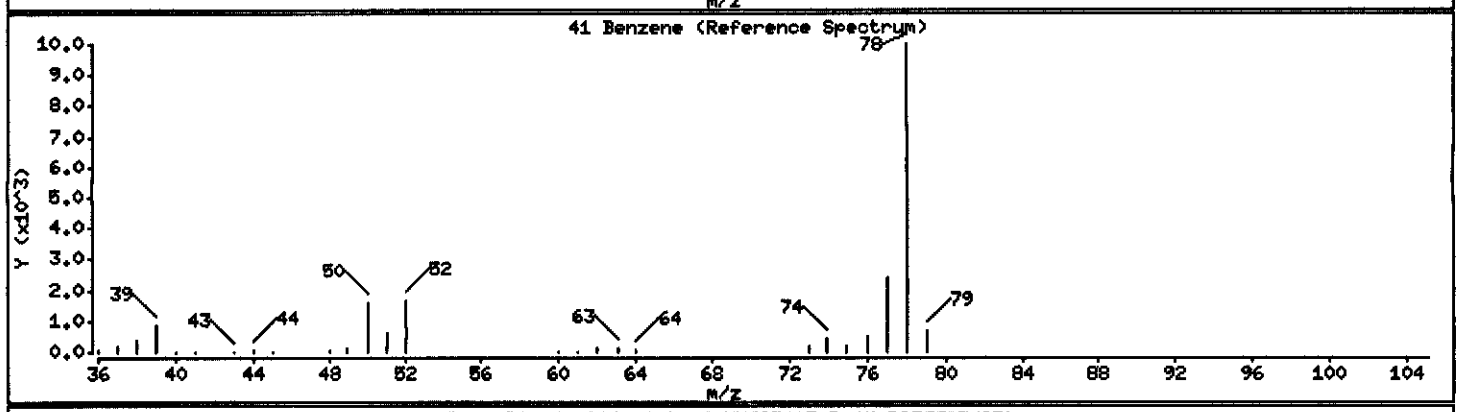
Purge Volume: 5.0 Operator: 43582

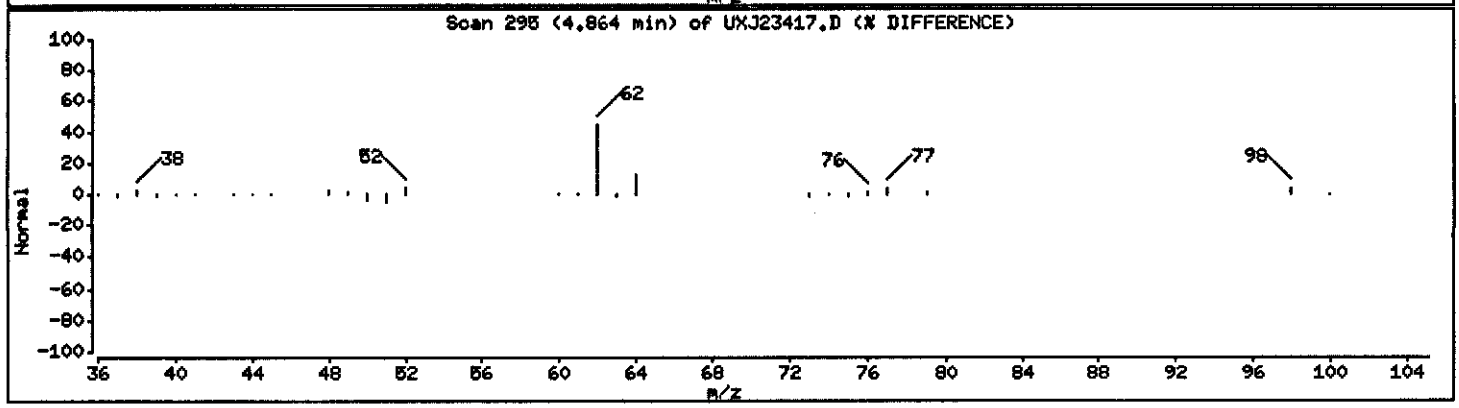
Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.2479 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23417.D

Date : 26-AUG-2004 06:33

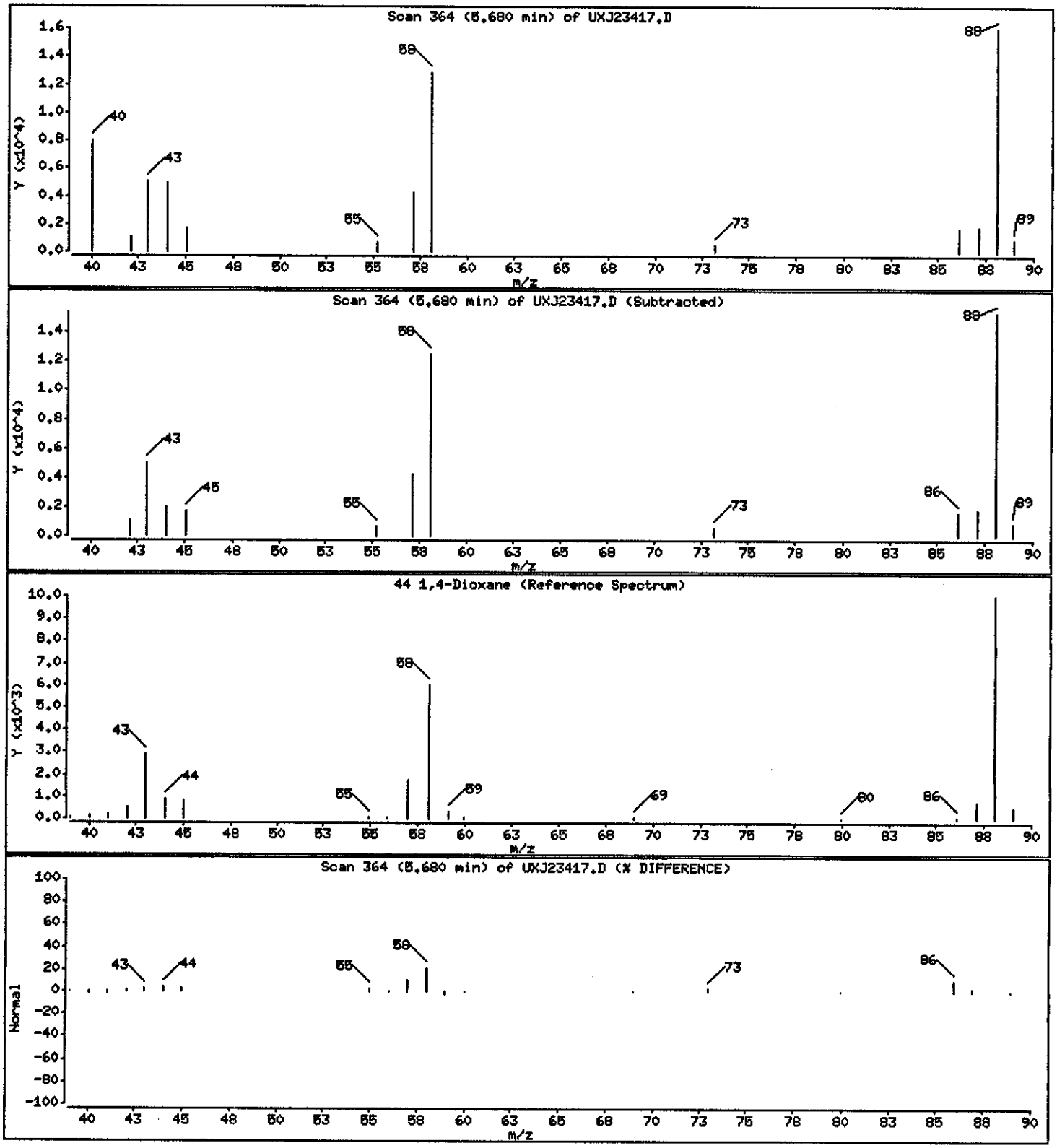
Client ID: MW509A/081704 Instrument: a3ux11.i

Sample Info: GNEJX1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 82.171 ug/L



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Date : 26-AUG-2004 06:33

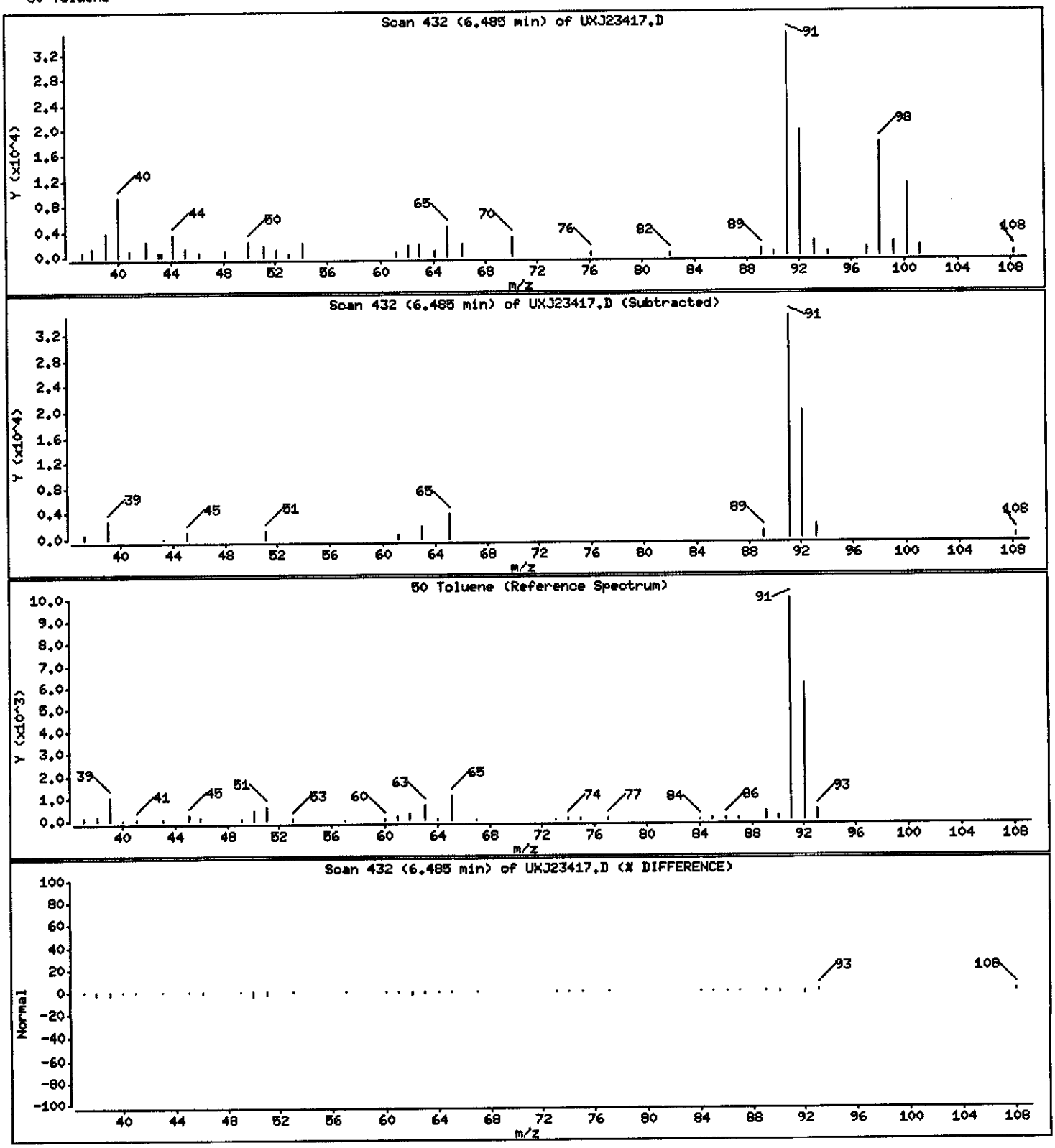
Client ID: MW509A/081704 Instrument: a3ux11.i

Sample Info: GNEJX1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.4122 ug/L



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Date : 26-AUG-2004 06:33

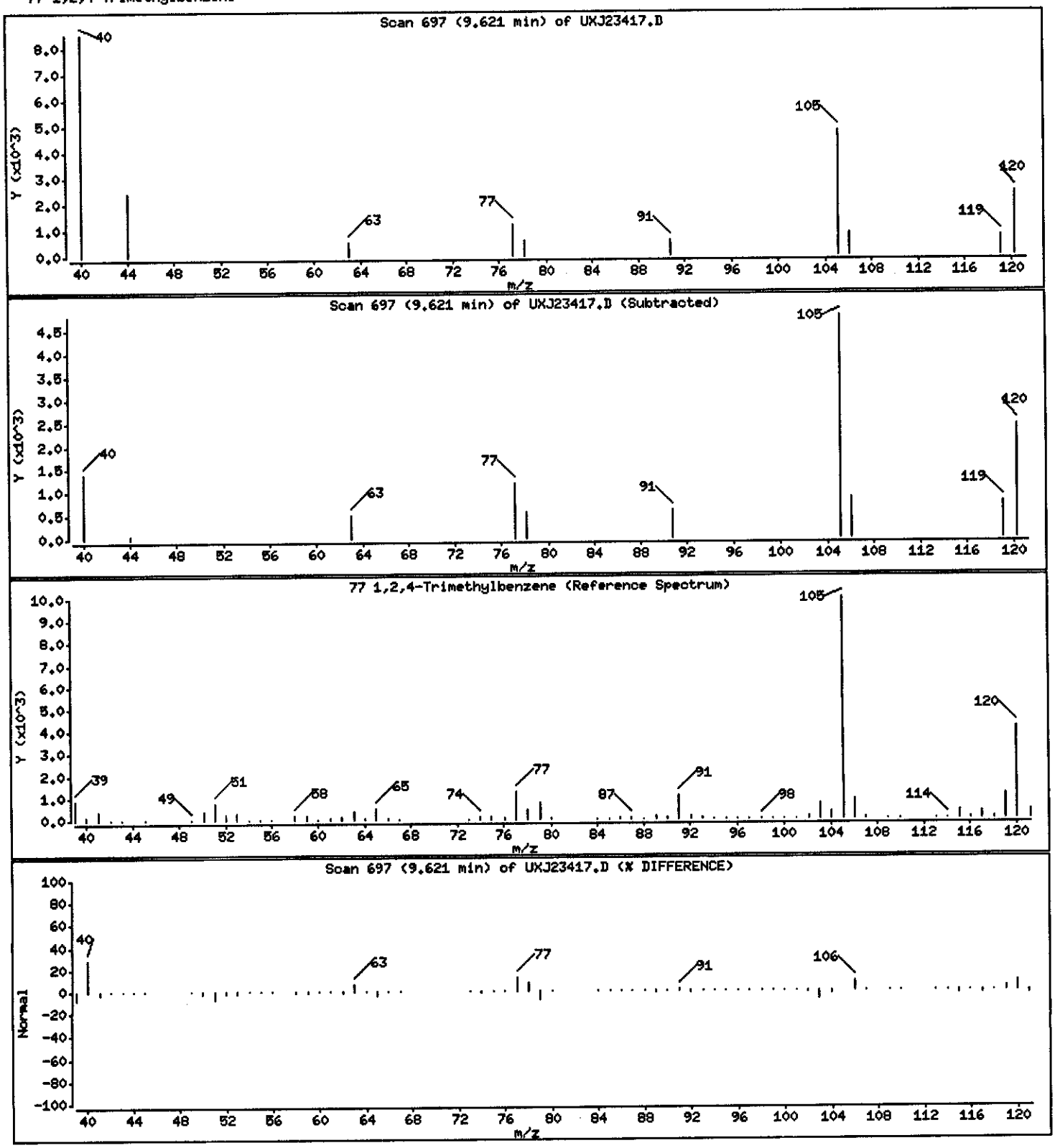
Client ID: MW509A/081704 Instrument: a3ux11.i

Sample Info: GNEJX1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

77 1,2,4-Trimethylbenzene Concentration: 0.5328 ug/L



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Date : 26-AUG-2004 06:33

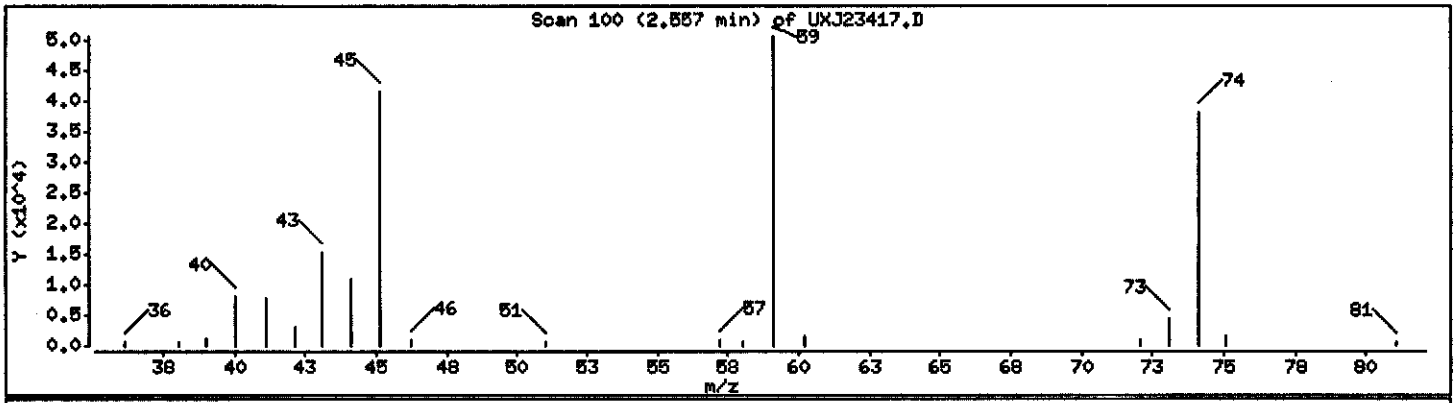
Client ID: MW509A/081704 Instrument: a3ux11.i

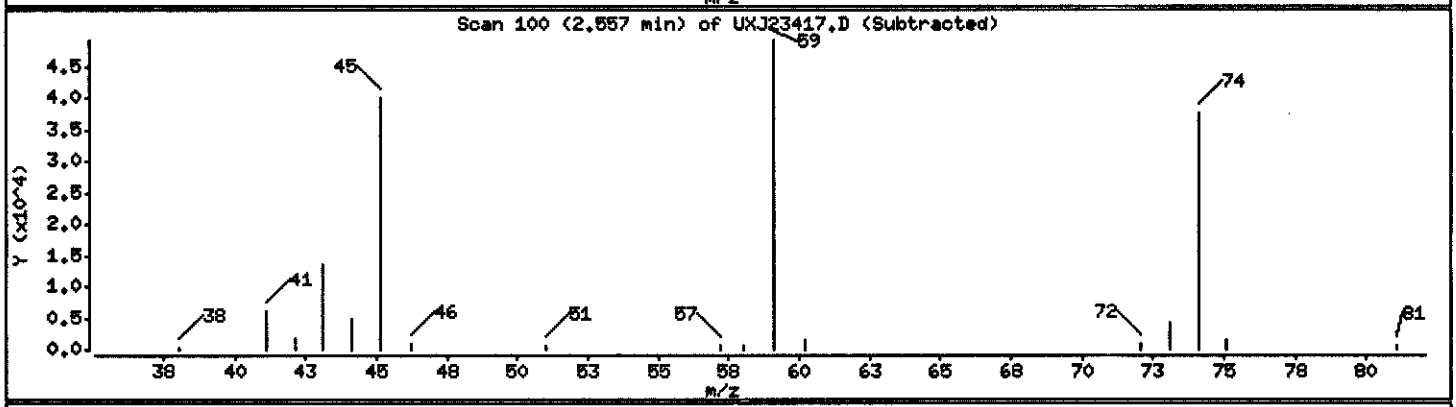
Sample Info: GNEJX1AA,5ML/5ML

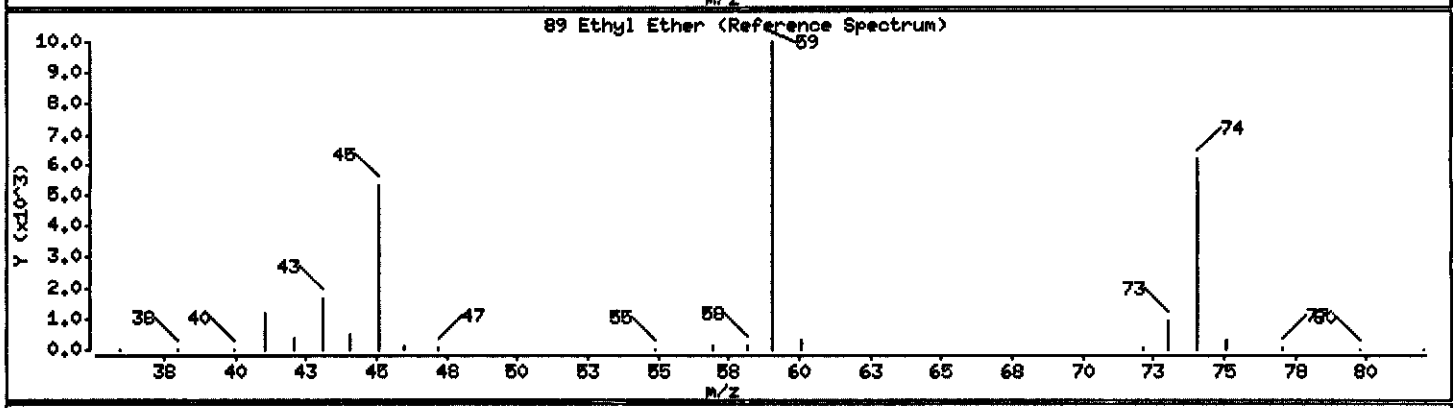
Purge Volume: 5.0 Operator: 43582

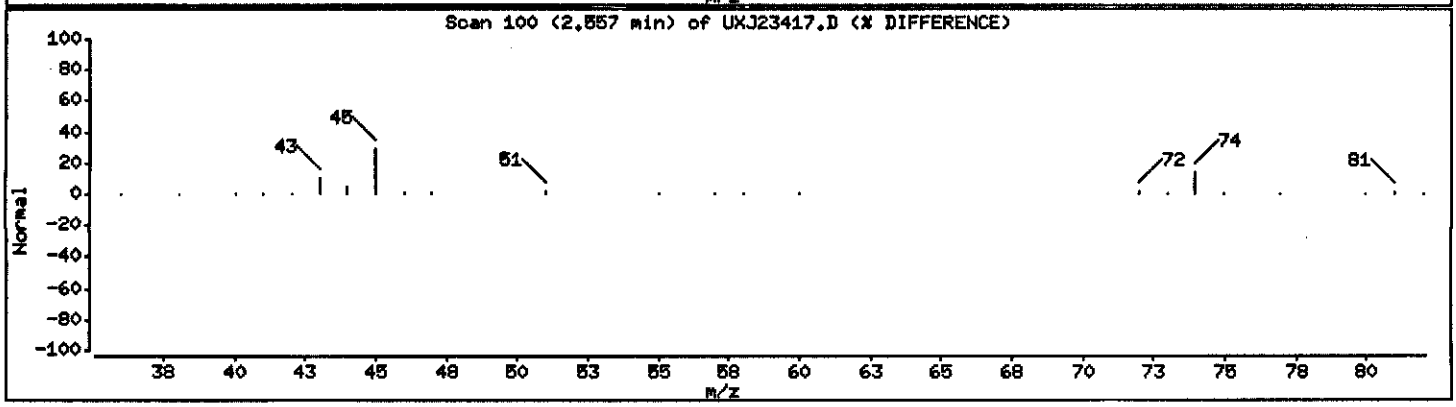
Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 2.891 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23417.D

Date : 26-AUG-2004 06:33

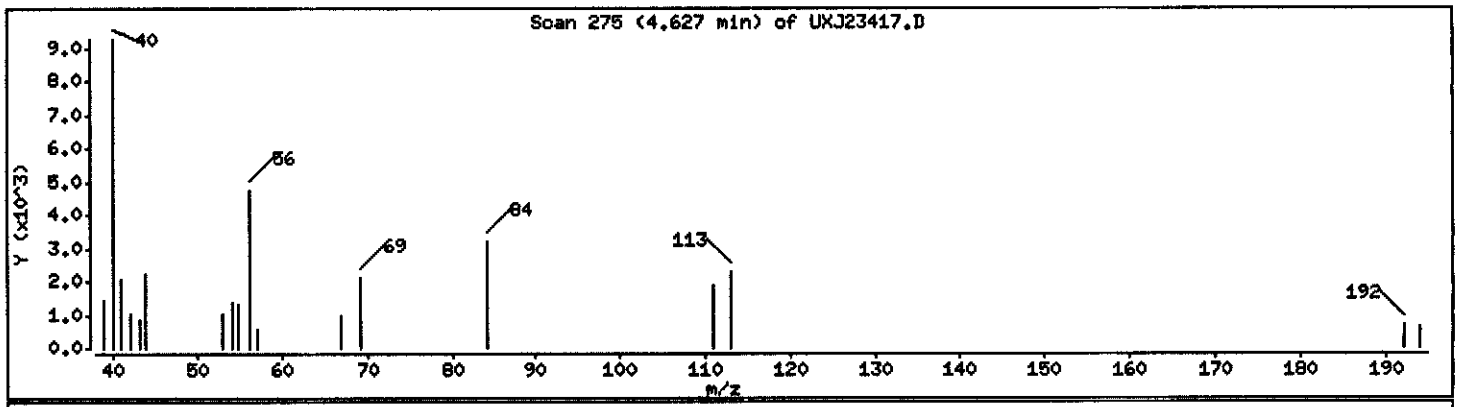
Client ID: MW509A/081704 Instrument: a3ux11.i

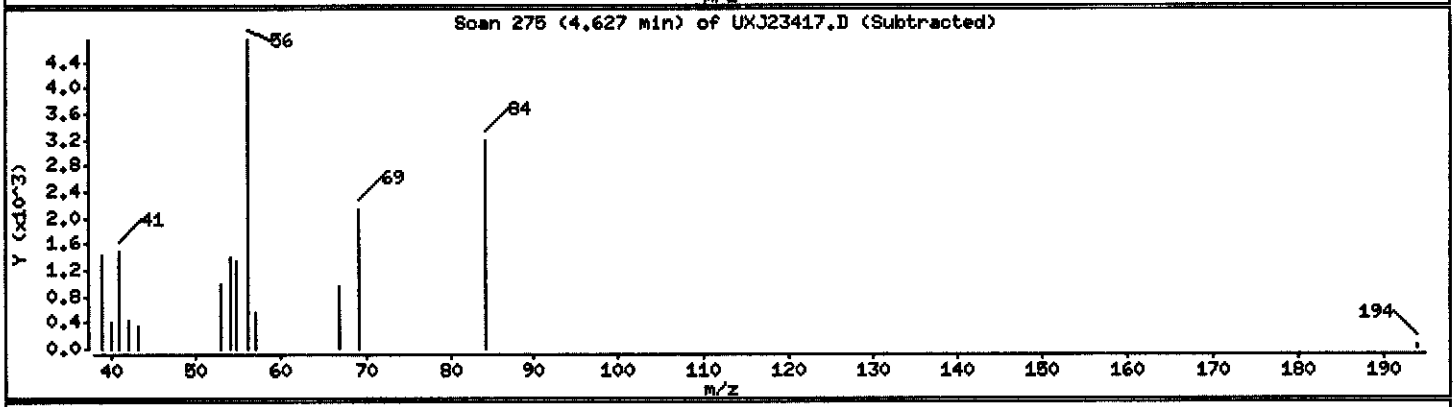
Sample Info: GNEJX1AA,5ML/5ML

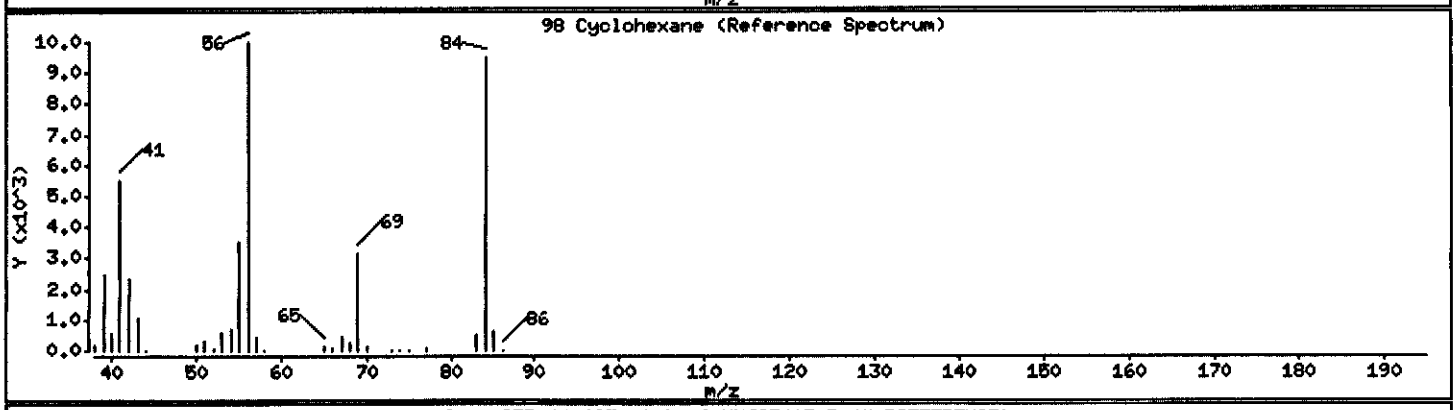
Purge Volume: 5.0 Operator: 43582

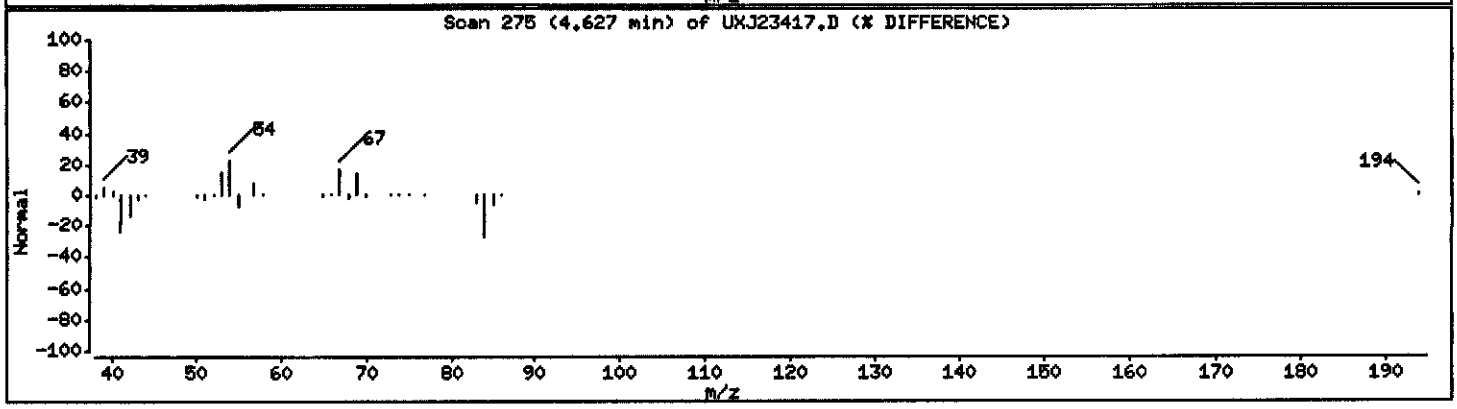
Column phase: DB624 Column diameter: 0.18

98 Cyclohexane Concentration: 1.332 ug/L









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Date : 26-AUG-2004 06:33

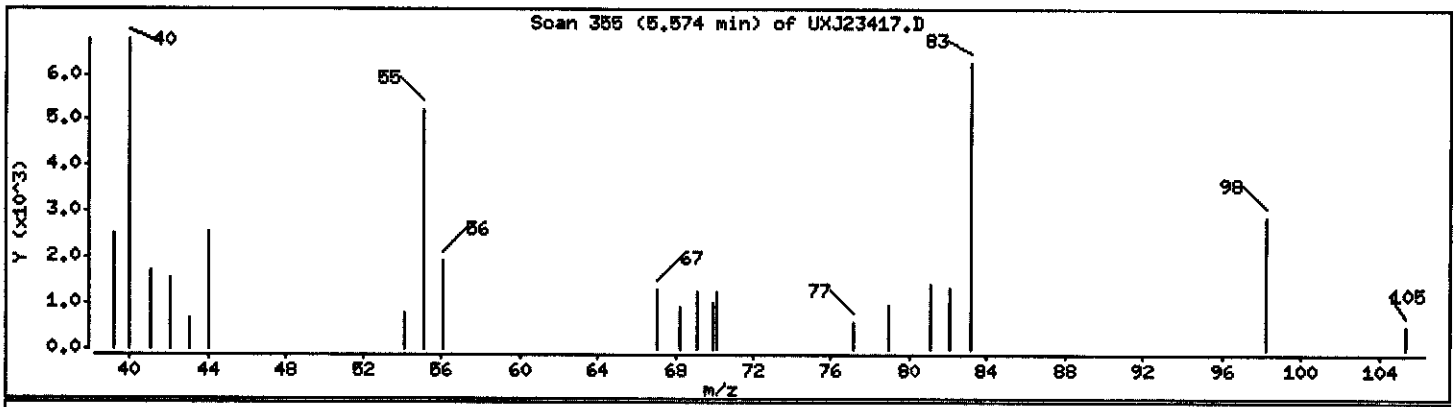
Client ID: MW509A/081704 Instrument: a3ux11.i

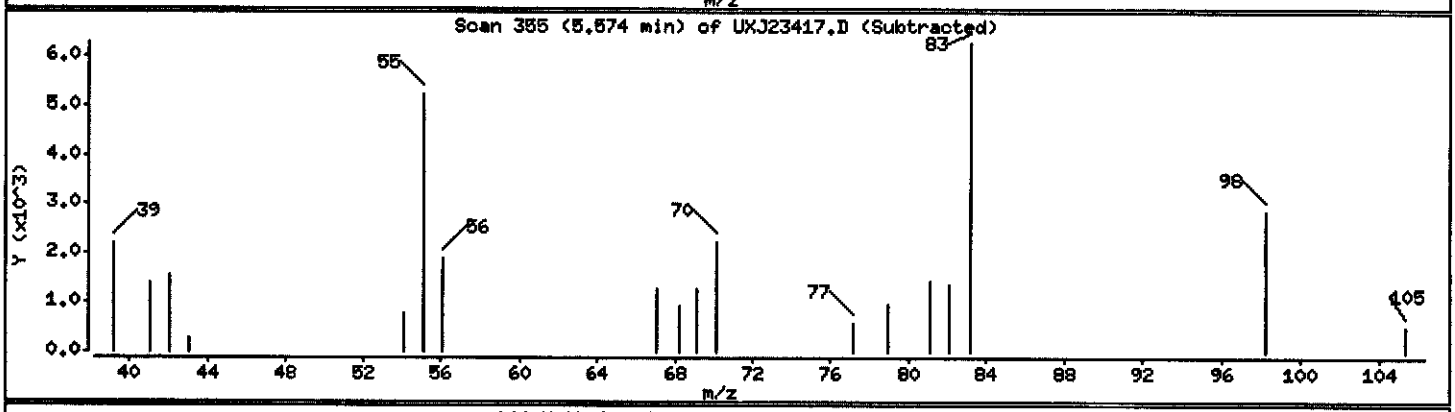
Sample Info: GNEJX1AA,5ML/5ML

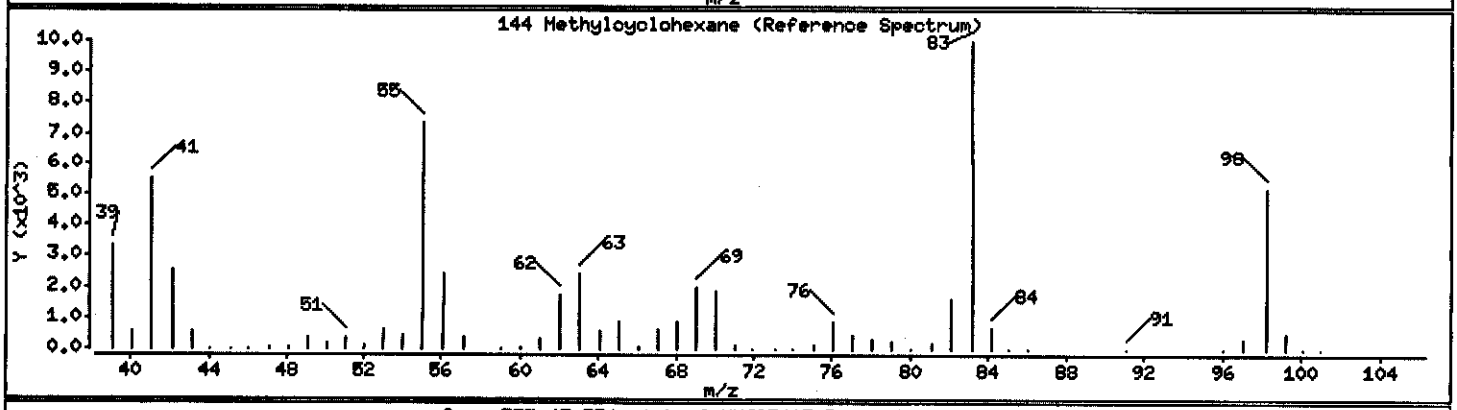
Purge Volume: 5.0 Operator: 43582

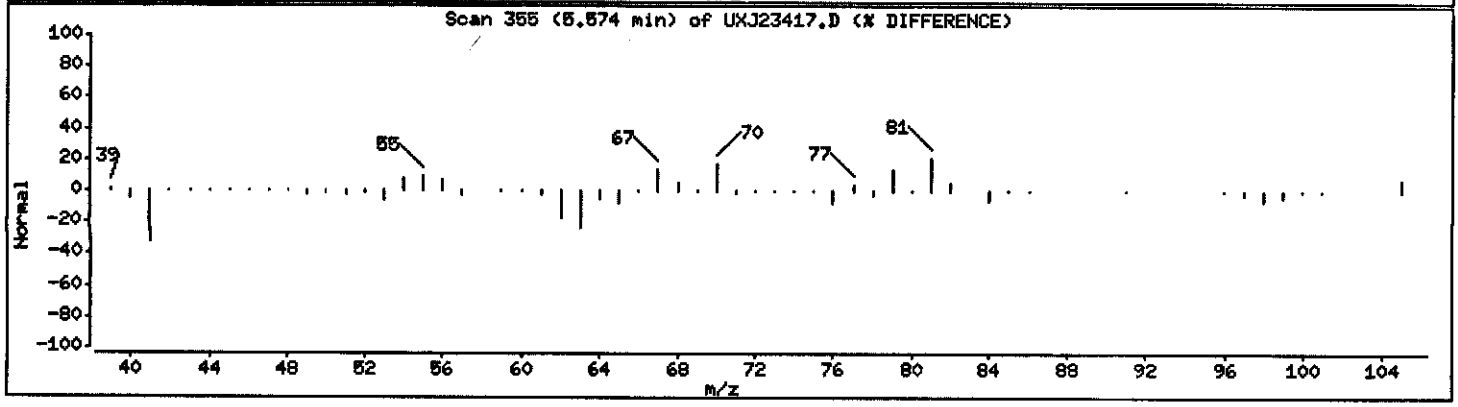
Column phase: DB624 Column diameter: 0.18

144 Methylcyclohexane Concentration: 1.268 ug/L









PAYNE FIRM INC.

Client Sample ID: MW509B/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-011 **Work Order #...:** GNEJ01AA **Matrix.....:** WG
Date Sampled...: 08/17/04 10:31 **Date Received..:** 08/18/04
Prep Date.....: 08/26/04 **Analysis Date..:** 08/26/04
Prep Batch #...: 4239136
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	**130**	**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/081704

GC/MS Volatiles

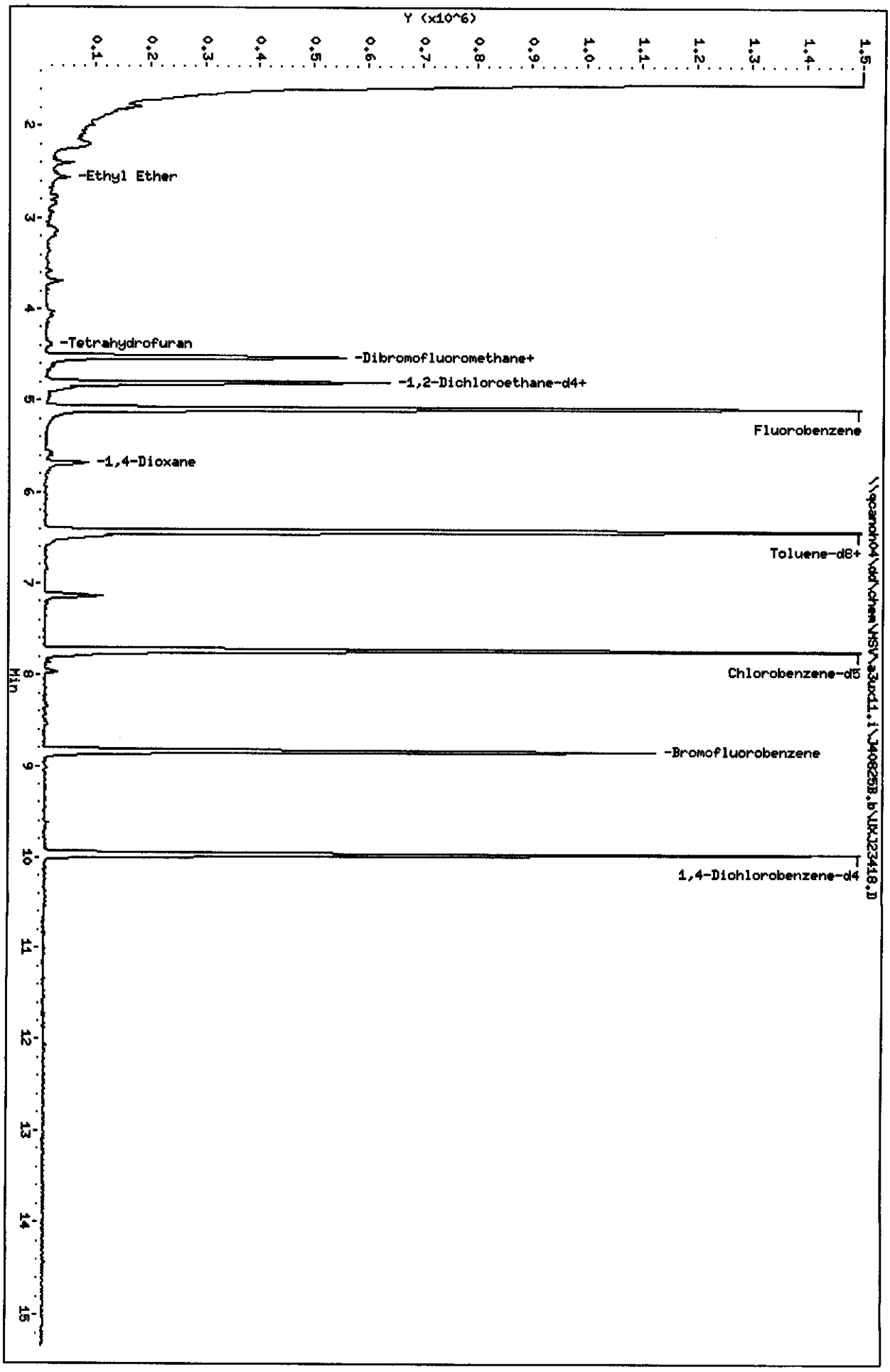
Lot-Sample #...: A4H180231-011 Work Order #...: GNEJ01AA Matrix.....: WG

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	**0.33 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	111	(73 - 122)
1,2-Dichloroethane-d4	107	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 26-AUG-2004 06:56
Client ID: MW509B/081704
Sample Info: GNEJ01AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3uxd1.i
Operator: 43582
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
-Tetrahydrofuran
-Dibromofluoromethane+
-1,2-Dichloroethane-d4+
Fluorobenzene
-1,4-Dioxane
Toluene-d8+
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcandn04\dd\chem\HSV\a3uxd1.i\J408253.b\UXJ23418.D
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23418.D
Report Date: 26-Aug-2004 10:33

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23418.D
Lab Smp Id: GNEJ01AA Client Smp ID: MW509B/081704
Inj Date : 26-AUG-2004 06:56
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GNEJ01AA,5ML/5ML
Misc Info : J40825B,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m
Meth Date : 26-Aug-2004 10:17 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 6
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	5.088	5.088	(1.000)	1551946	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1252150	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	541661	50.0000	
$ 4 Dibromofluoromethane	113	4.532	4.520	(0.891)	405478	55.5171	11.103
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	518080	53.5615	10.712
$ 6 Toluene-d8	98	6.437	6.425	(0.832)	1427994	47.6007	9.520
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	487794	38.3671	7.673
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\J40825B.b\UXJ23418.D
Report Date: 26-Aug-2004 10:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	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	4.378	4.378	(0.860)	5575	2.19283	0.4386
	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	4.863	4.863	(0.956)	32850	0.94039	0.1881
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.680	5.680	(1.116)	64486	649.860	129.97(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	6.484	6.485	(0.838)	57522	1.62594	0.3252
	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\J40825B.b\UXJ23418.D
Report Date: 26-Aug-2004 10:33

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	2.556	2.556	(0.502)	20637	2.69679	0.5394
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	4.639	4.627	(0.912)	4441	6.01633	1.203
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
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\MSV\a3ux11.i\J40825B.b\UXJ23418.D

Date : 26-AUG-2004 06:56

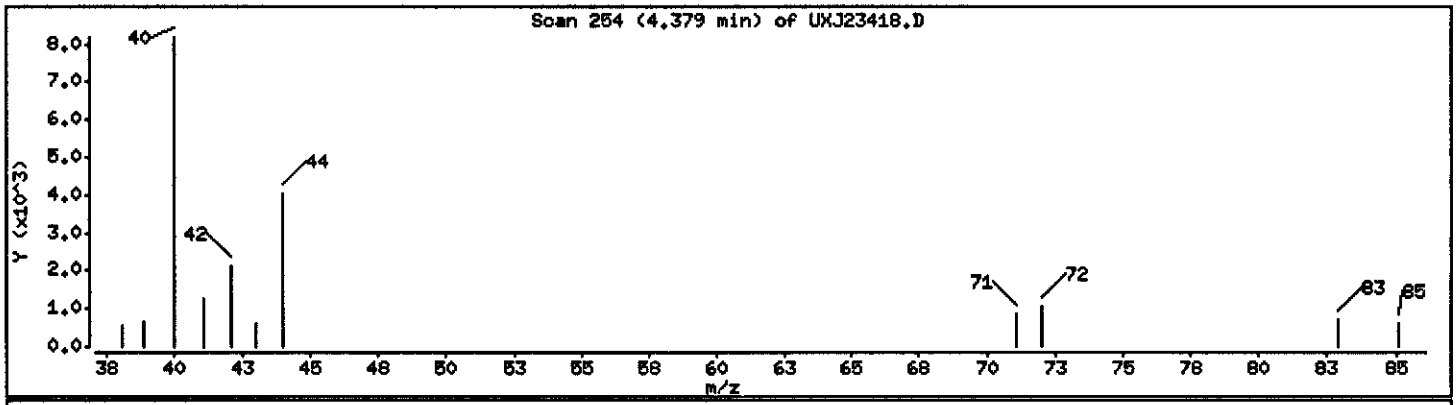
Client ID: MW509B/081704 Instrument: a3ux11.i

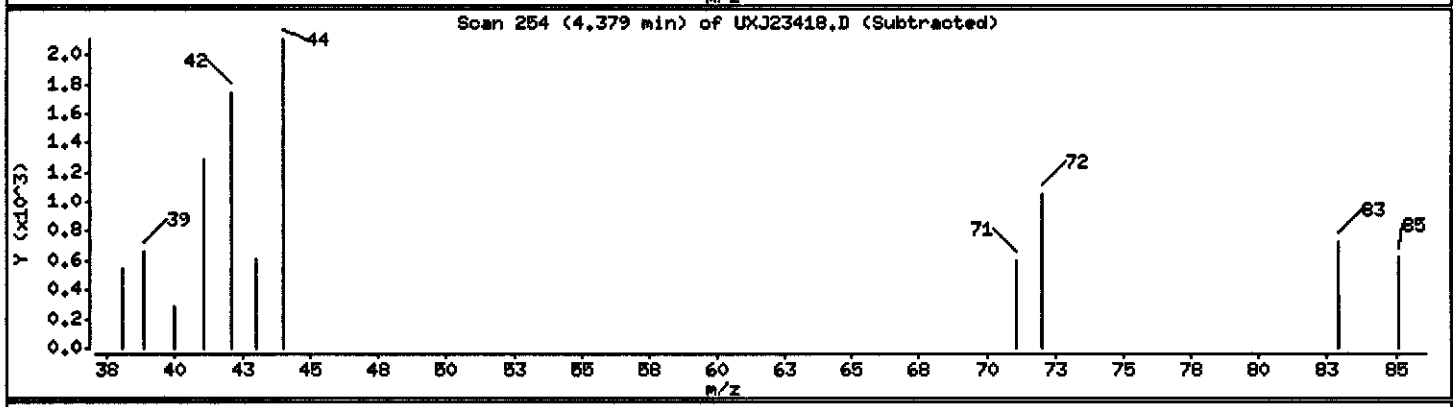
Sample Info: GNEJ01AA,5ML/5ML

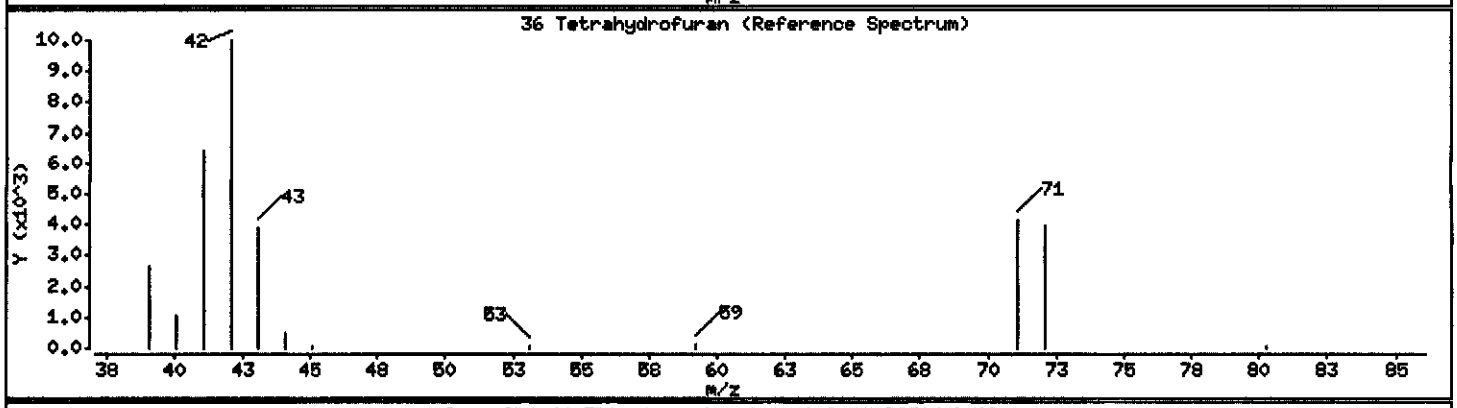
Purge Volume: 5.0 Operator: 43582

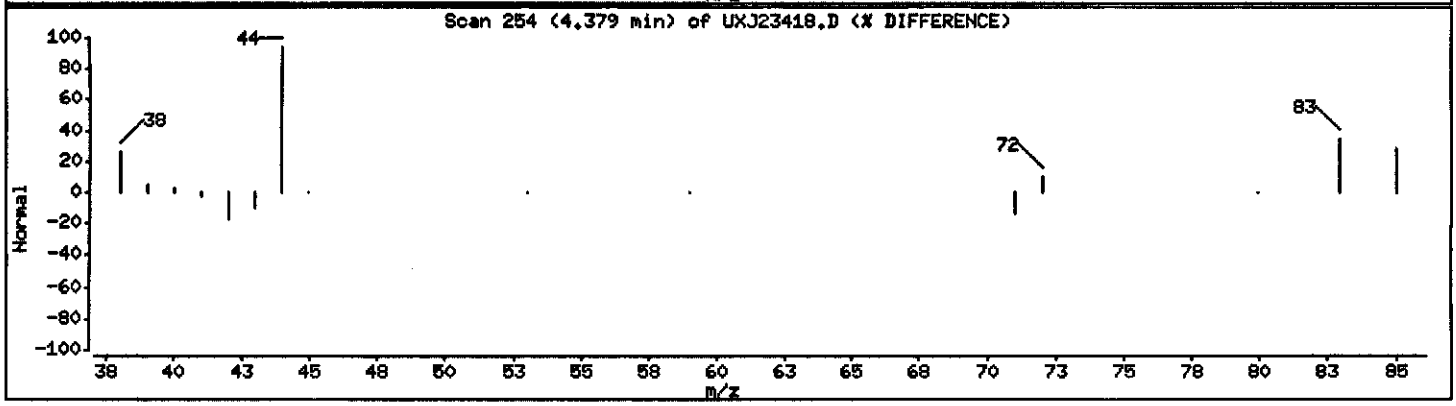
Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 0.4386 ug/L









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Date : 26-AUG-2004 06:56

Client ID: MW509B/081704

Instrument: a3ux11.i

Sample Info: GNEJ01AA,5ML/5ML

Purge Volume: 5.0

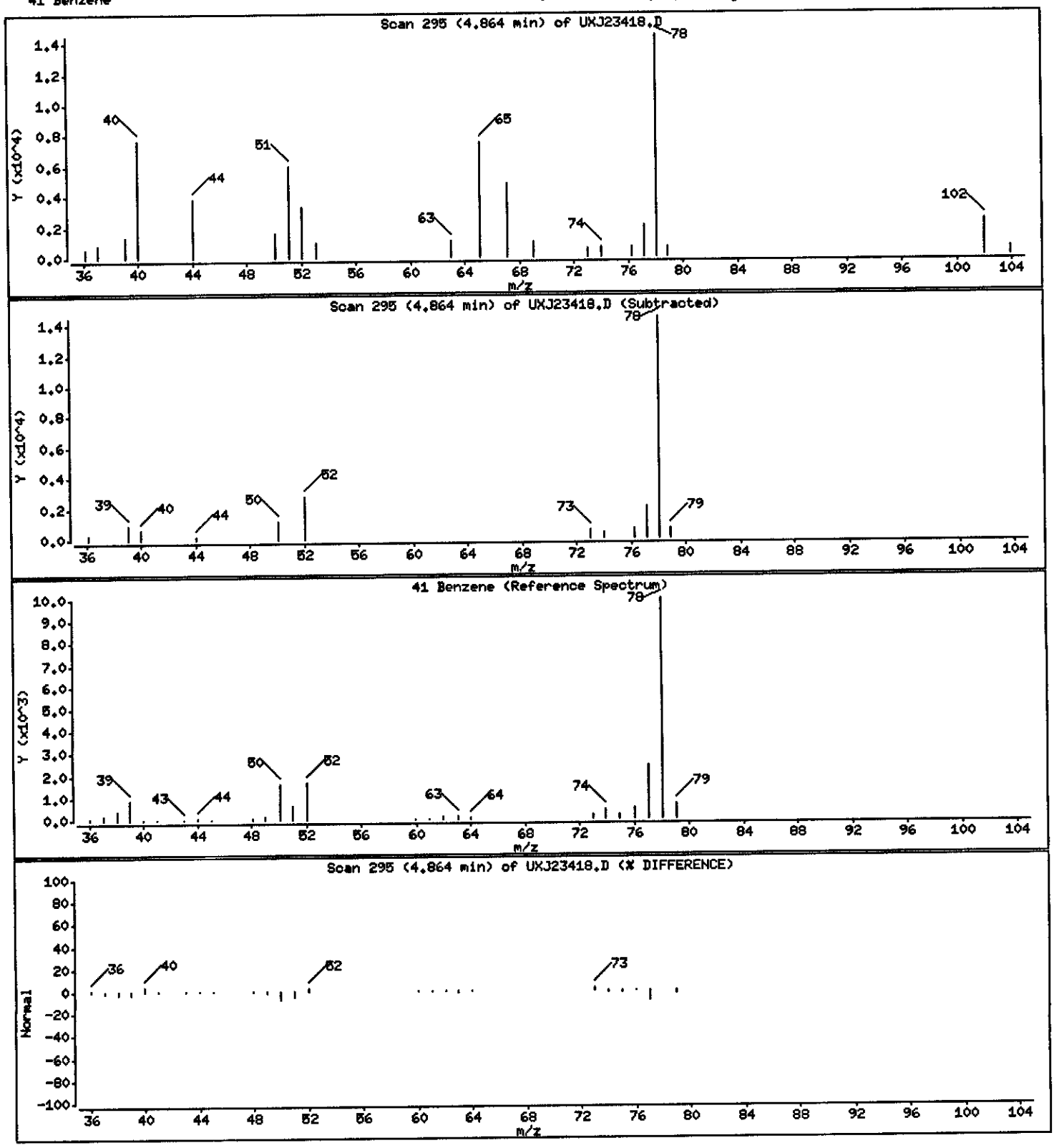
Operator: 43582

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 0.1881 ug/L



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Date : 26-AUG-2004 06:56

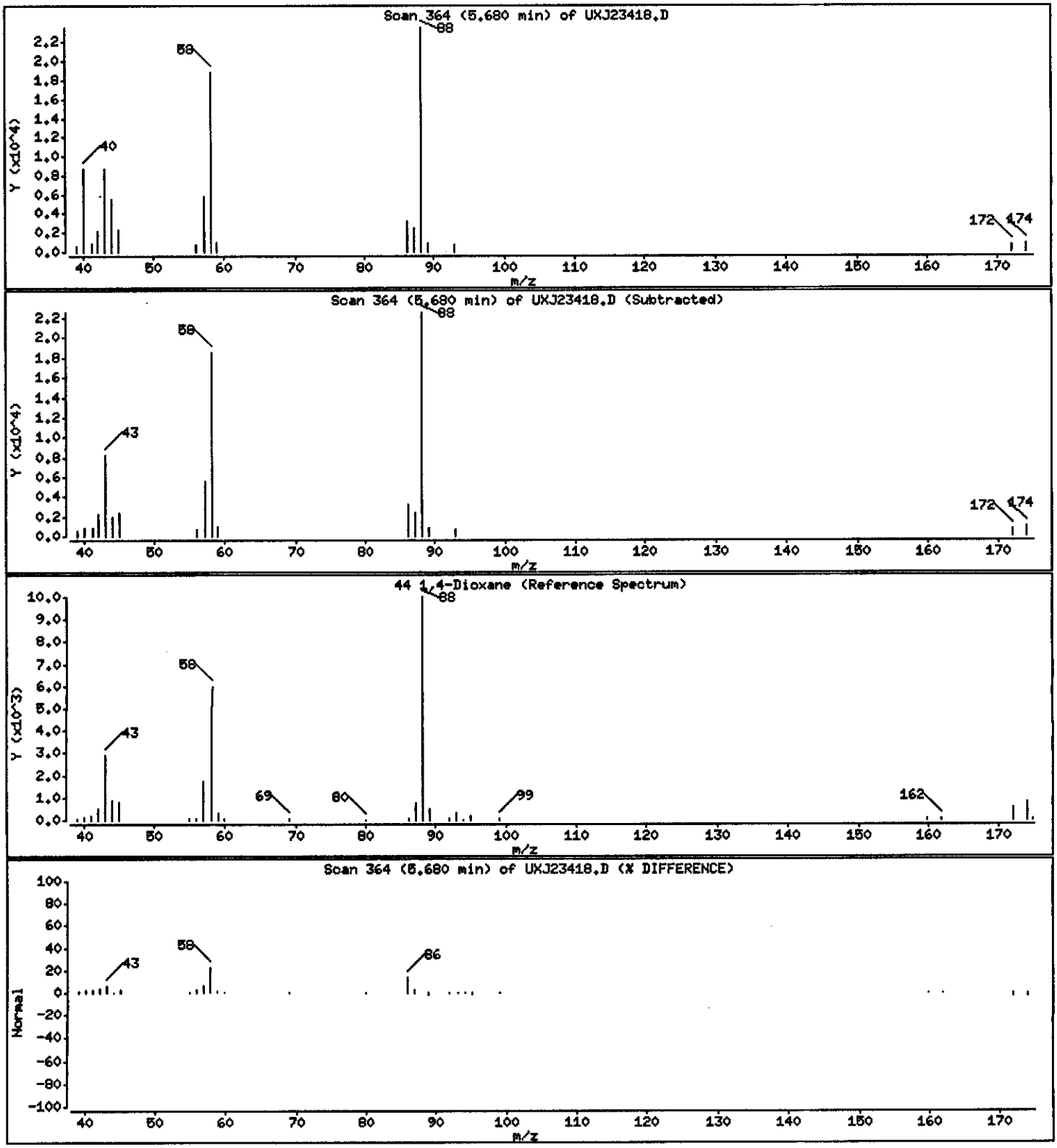
Client ID: MW509B/081704 Instrument: a3ux11.i

Sample Info: GNEJ01AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 129.97 ug/L



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Date : 26-AUG-2004 06:56

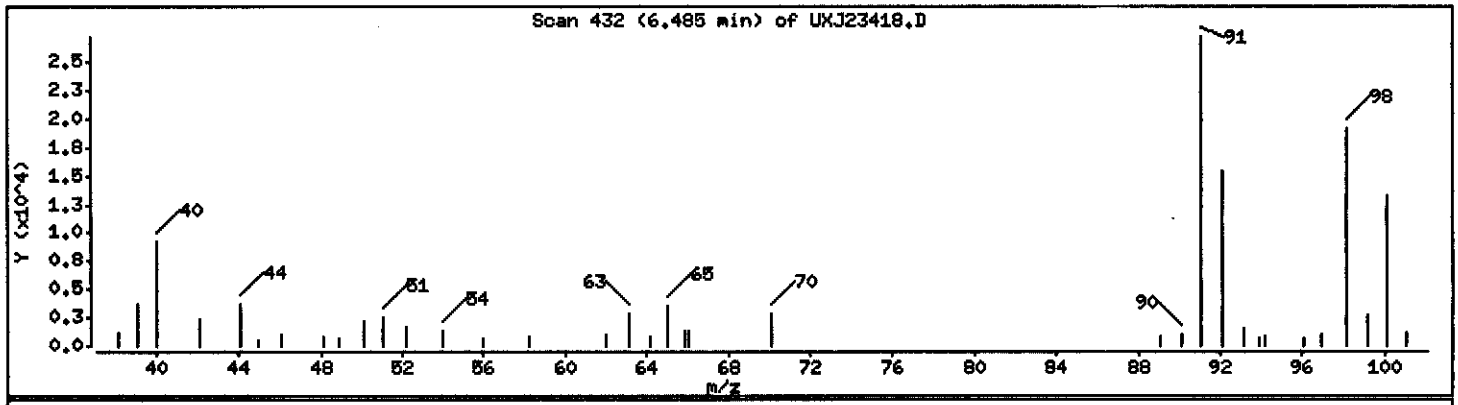
Client ID: MW509B/081704 Instrument: a3ux11.i

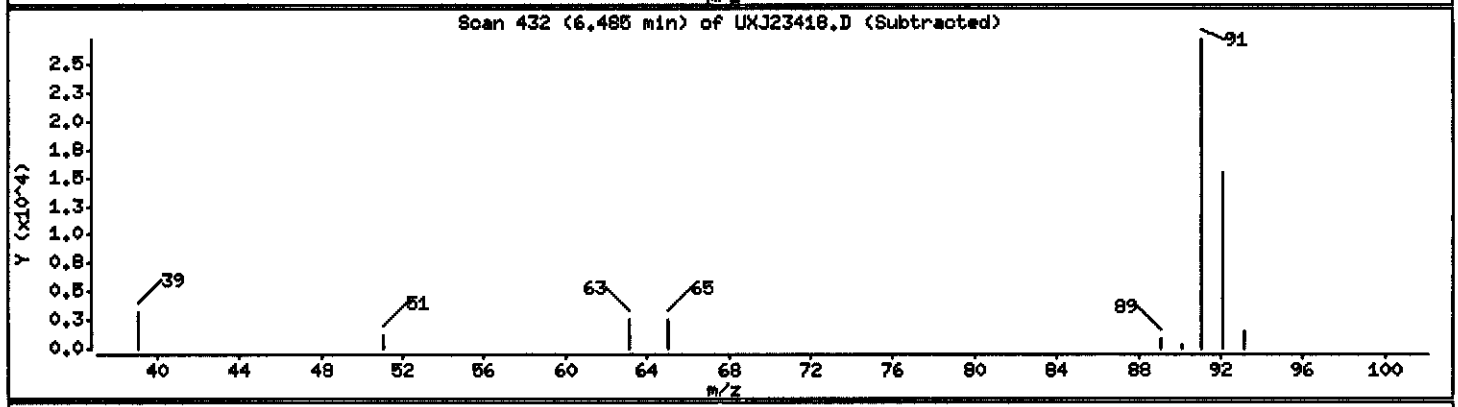
Sample Info: CNEJ01AA,5ML/5ML

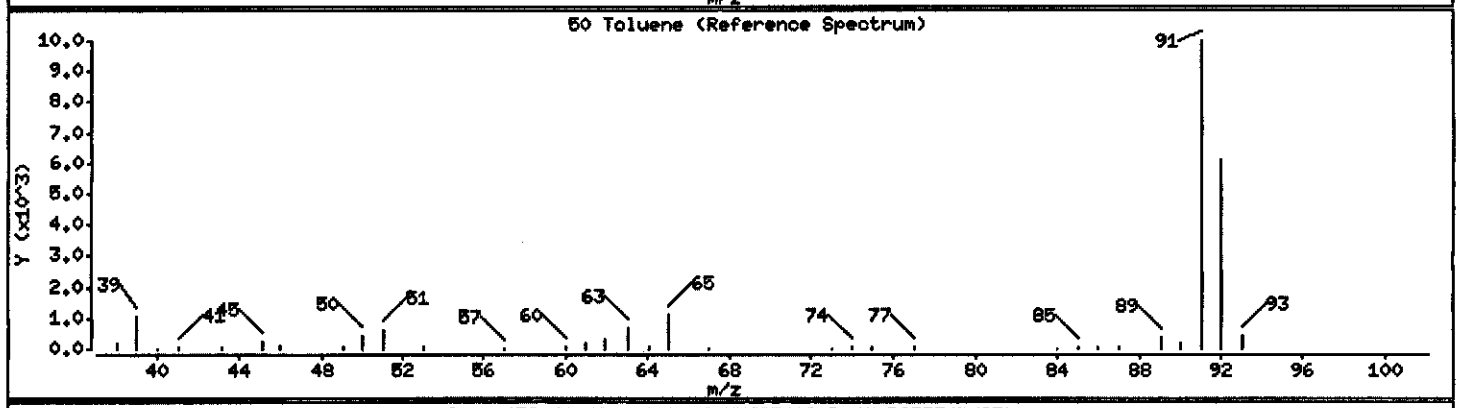
Purge Volume: 5.0 Operator: 43582

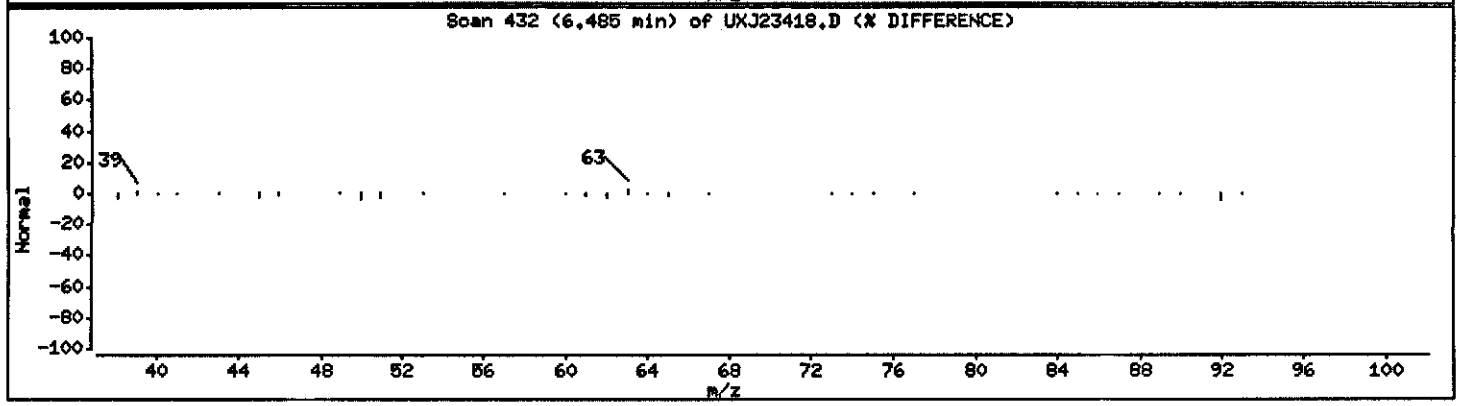
Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.3252 ug/L









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Date : 26-AUG-2004 06:56

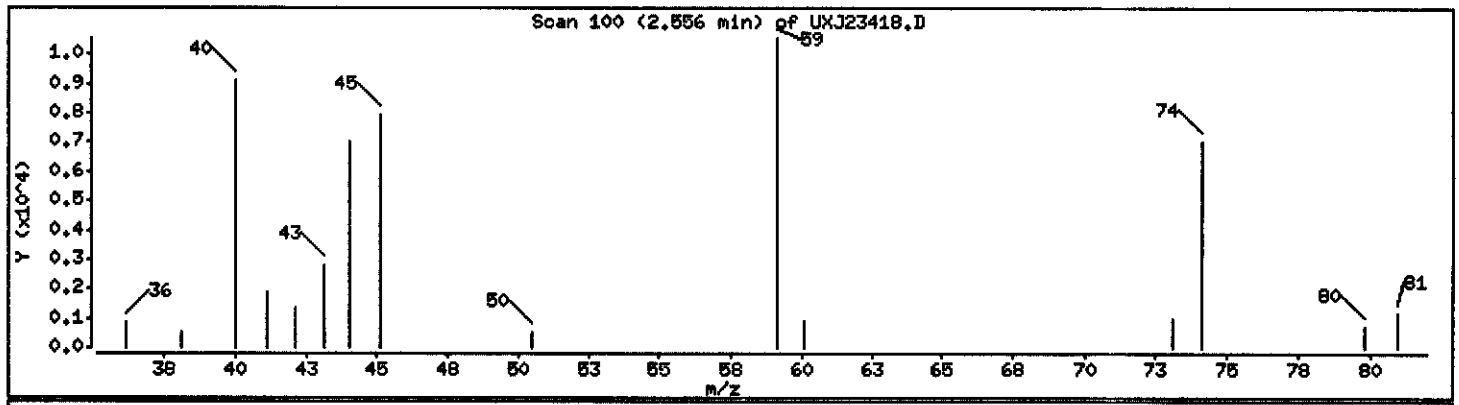
Client ID: MW509B/081704 Instrument: a3ux11.i

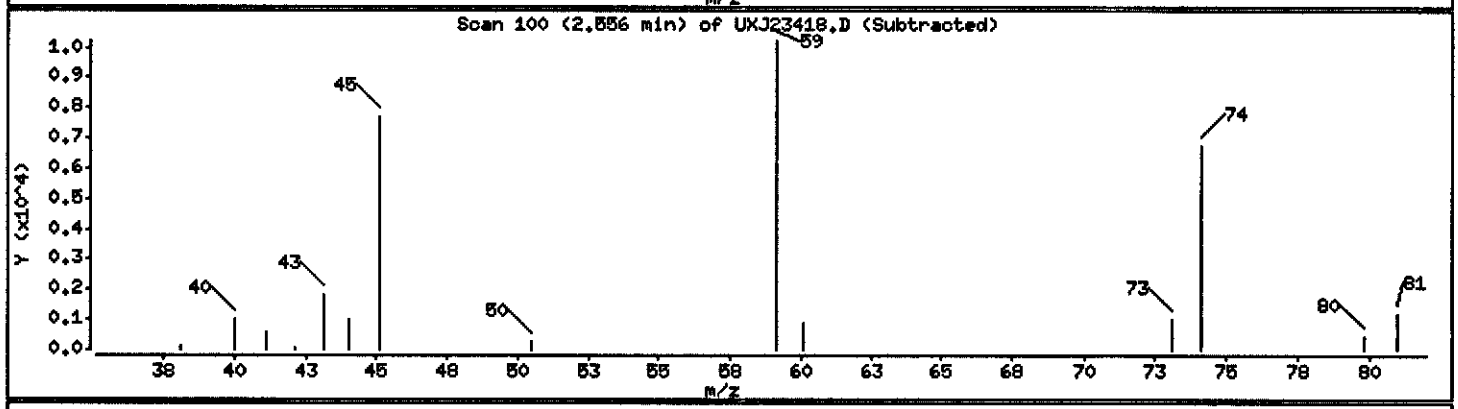
Sample Info: GNEJ01AA,5ML/5ML

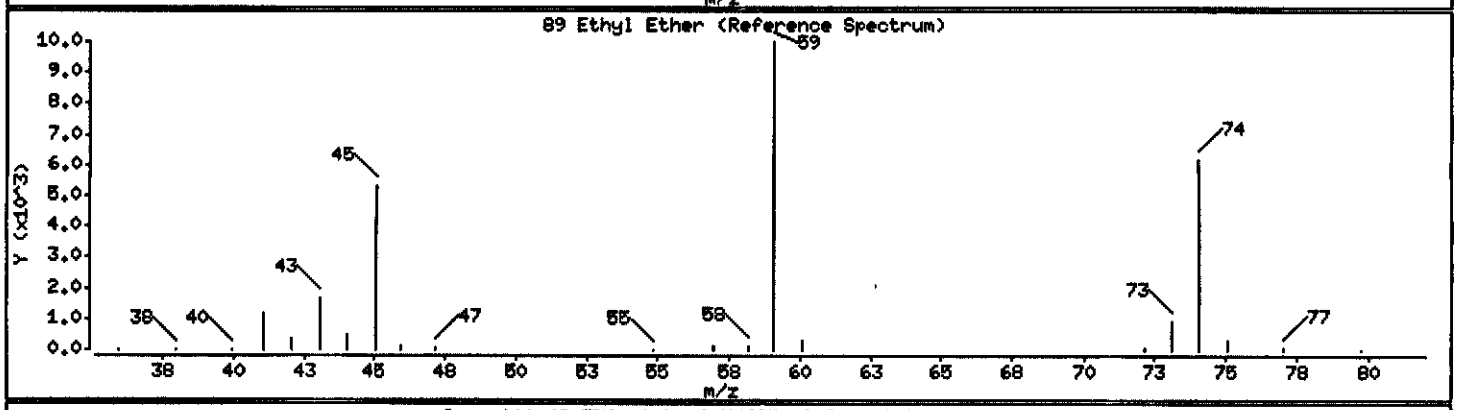
Purge Volume: 5.0 Operator: 43582

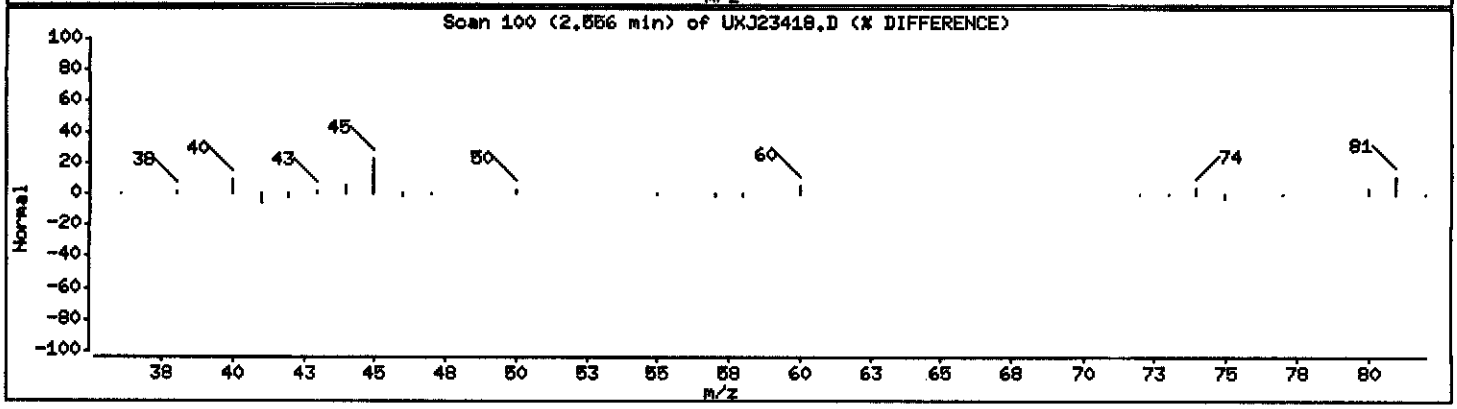
Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 0.5394 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23418.D

Date : 26-AUG-2004 06:56

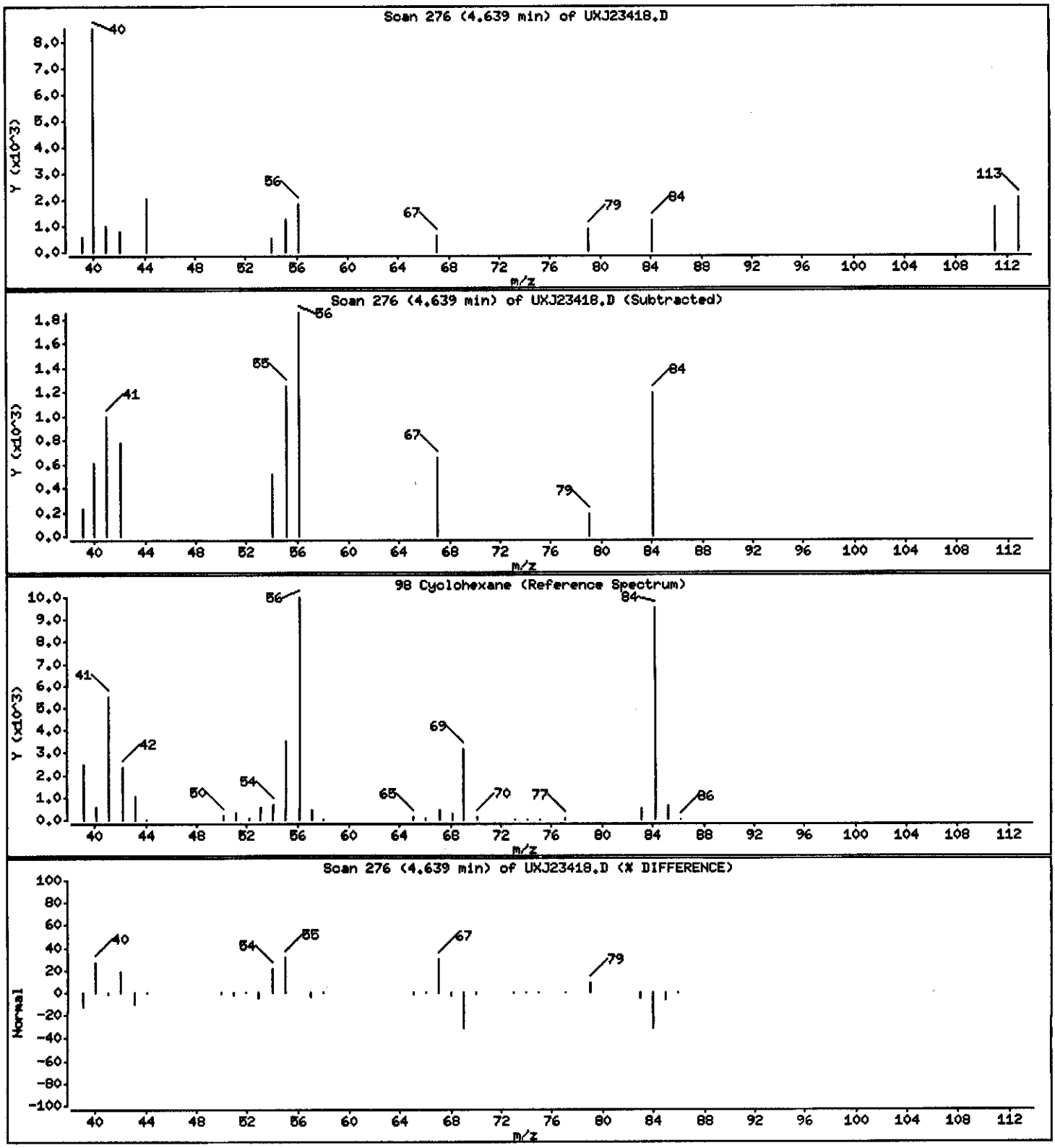
Client ID: MW509B/081704 Instrument: a3ux11.i

Sample Info: GNEJ01AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

98 Cyclohexane Concentration: 1.203 ug/L



PAYNE FIRM INC.

Client Sample ID: MW508/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-012 **Work Order #...:** GNEJ21AA **Matrix.....:** WG
Date Sampled...: 08/17/04 13:14 **Date Received..:** 08/18/04
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4239131
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**2.8**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	**0.22 J**	**1.0**	**ug/L**
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	**3.0**	**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: MW508/081704

GC/MS Volatiles

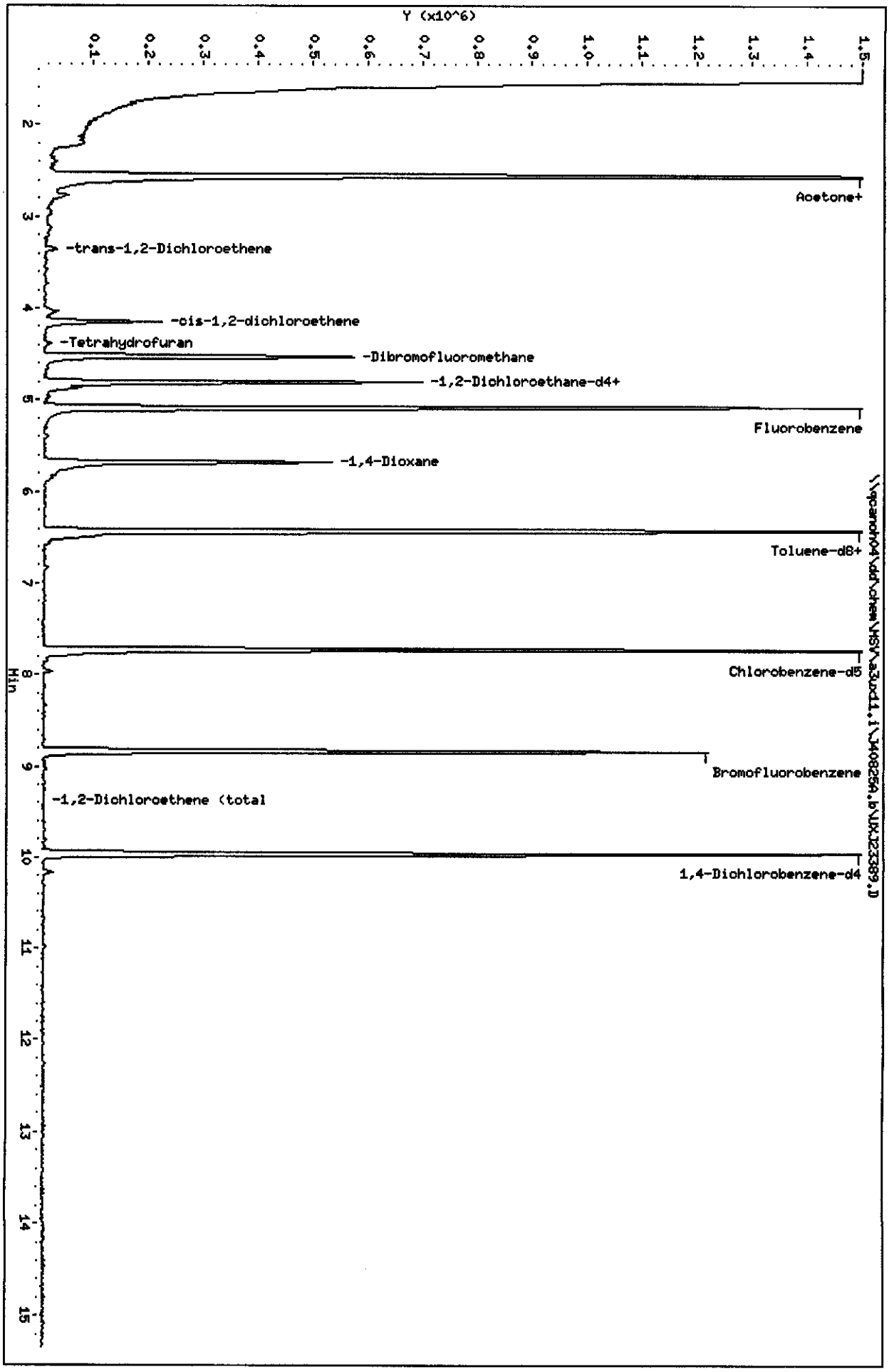
Lot-Sample #...: A4H180231-012 Work Order #...: GNEJ21AA Matrix.....: WG

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	112	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 25-AUG-2004 19:12
Client ID: MW508/081704
Sample Info: GME1214A,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Acetone+
-trans-1,2-Dichloroethene
-cis-1,2-dichloroethene
-Tetrahydrofuran
-Dibromofluoromethane
-1,2-Dichloroethane-d4+
Fluorobenzene
-1,4-Dioxane
Toluene-d8+
Chlorobenzene-d5
Bromofluorobenzene
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4
Min
\\qcanoh04\dd\chem\MSV\a3ux11.i\J408225A.b\UXJ23389.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23389.D
Report Date: 26-Aug-2004 08:56

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23389.D
Lab Smp Id: GNEJ21AA Client Smp ID: MW508/081704
Inj Date : 25-AUG-2004 19:12
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GNEJ21AA,5ML/5ML
Misc Info : J40825A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825A.b\8260LLUX11.m
Meth Date : 26-Aug-2004 08:38 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 29
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	5.088	5.088	(1.000)	1601600	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1278686	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	591296	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	420682	55.8131	11.163
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	537586	53.8551	10.771
$ 6 Toluene-d8	98	6.437	6.425	(0.832)	1520293	49.6257	9.925
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	513075	39.5181	7.904
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	2.769	2.769	(0.544)	57992	3.60829	0.7216
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23389.D
Report Date: 26-Aug-2004 08:56

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	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	3.349	3.349	(0.658)	9144	1.11317	0.2226
	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				128267	14.9705	2.994
	32 cis-1,2-dichloroethene	96	4.153	4.153	(0.816)	119123	13.8573	2.771
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	5222	1.99031	0.3981
	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	4.863	4.863	(0.956)	36075	1.00069	0.2001
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.680	5.680	(1.116)	545068	5322.64	1064.5(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	6.484	6.484	(0.838)	52459	1.45205	0.2904
	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\J40825A.b\UXJ23389.D
Report Date: 26-Aug-2004 08:56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.556	2.556	(0.502)	1801642	228.135	45.627(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.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23389.D

Date : 25-AUG-2004 19:12

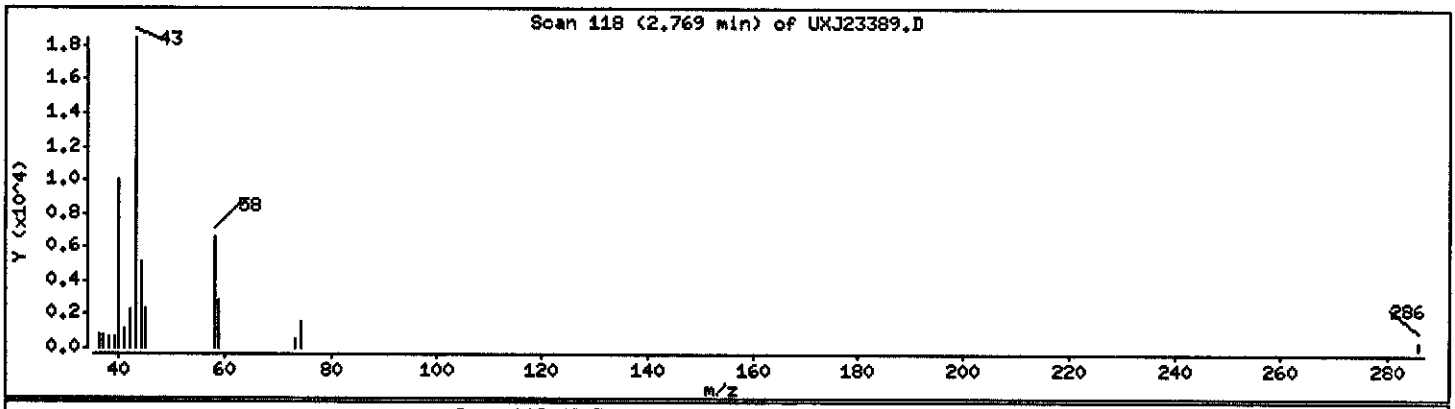
Client ID: MW508/081704 Instrument: a3ux11.i

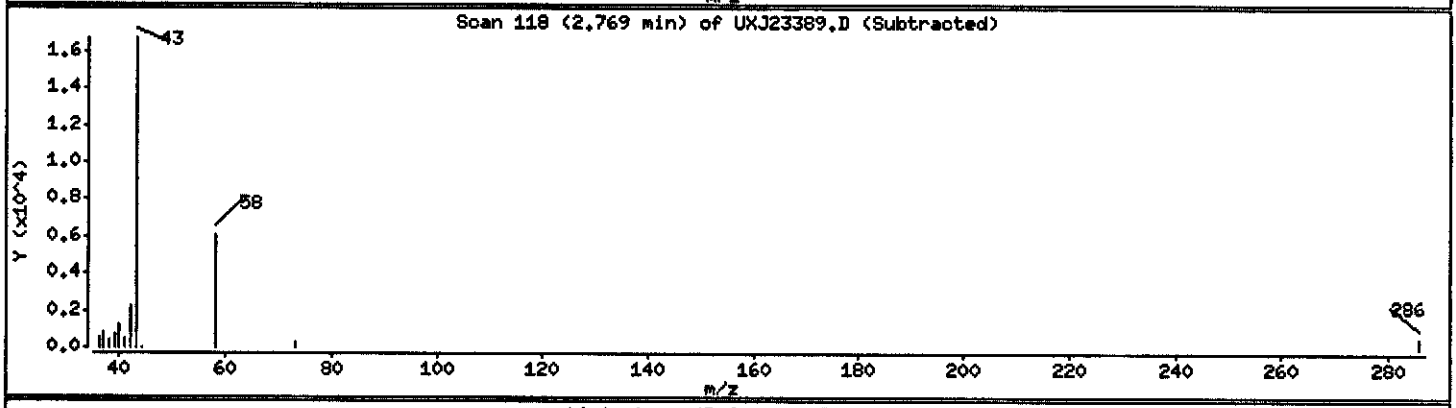
Sample Info: GNEJ21AA,5ML/5ML

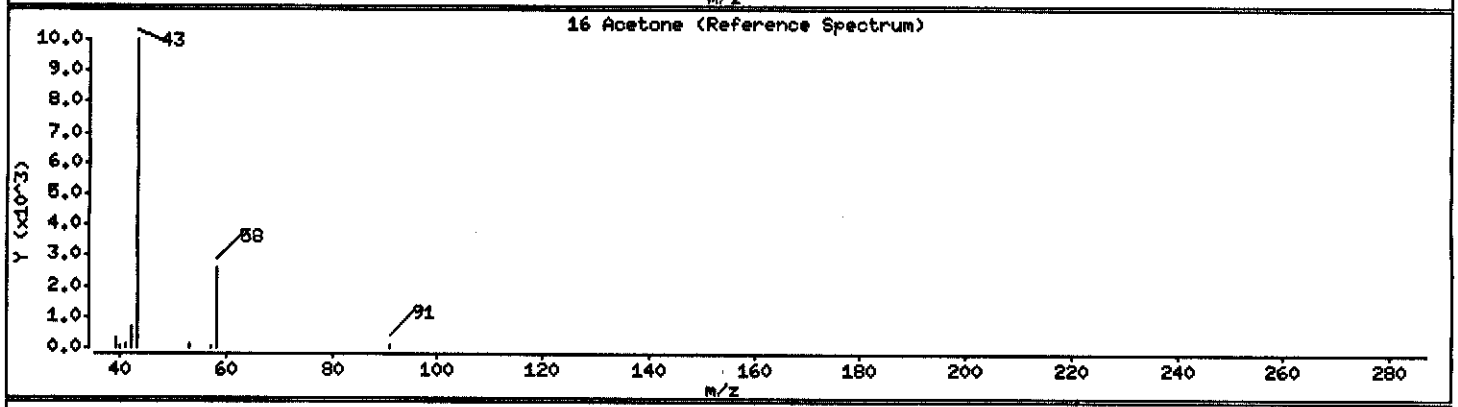
Purge Volume: 5.0 Operator: 43582

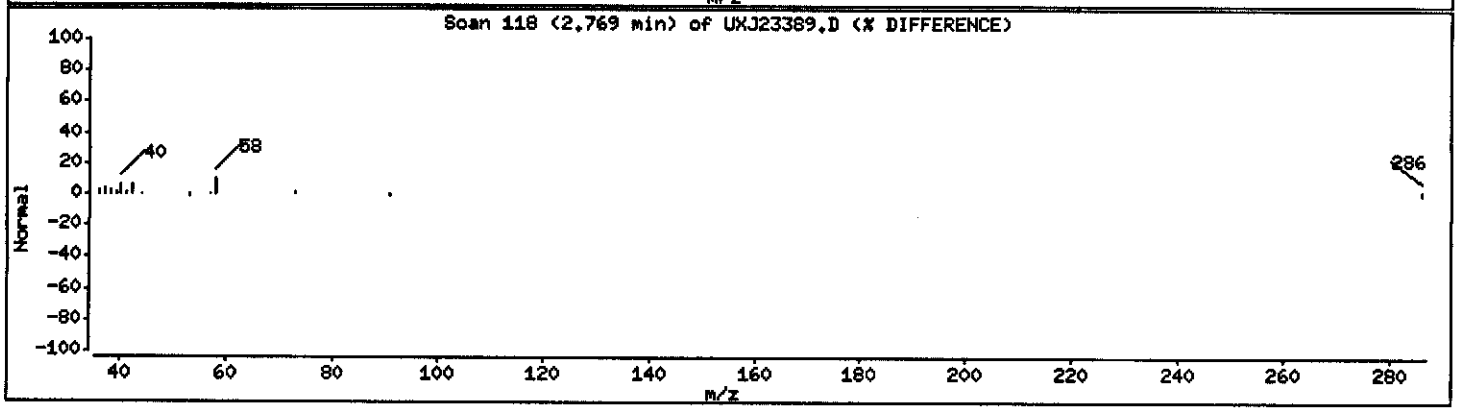
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 0.7216 ug/L









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Date : 25-AUG-2004 19:12

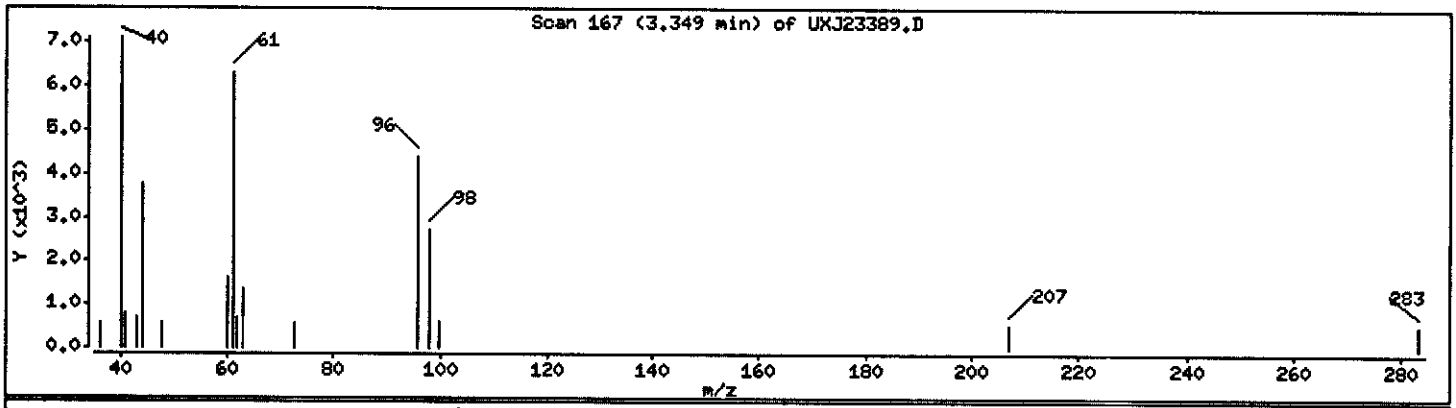
Client ID: MW508/081704 Instrument: a3ux11.i

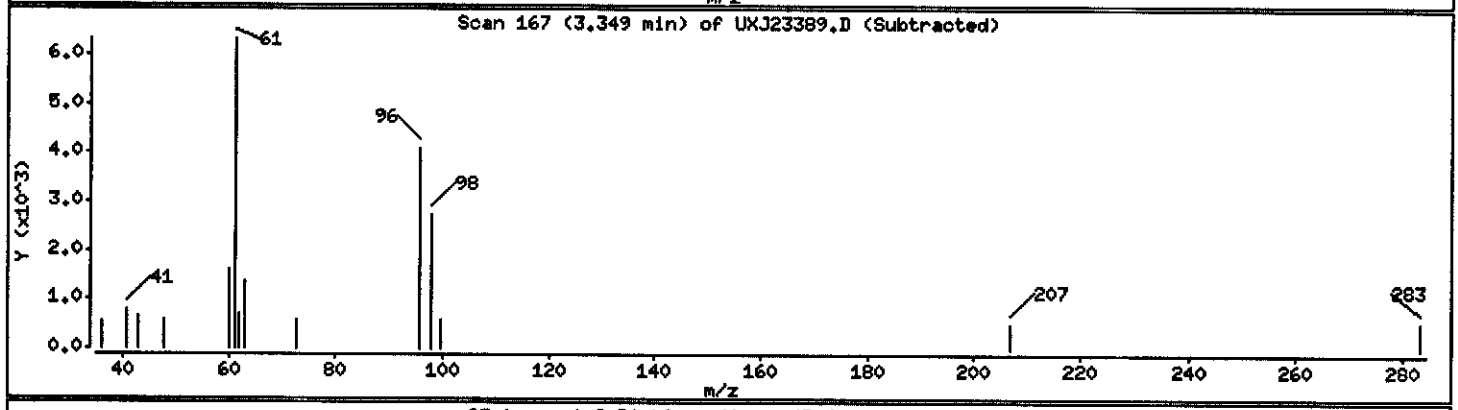
Sample Info: GNEJ21AA,5ML/5ML

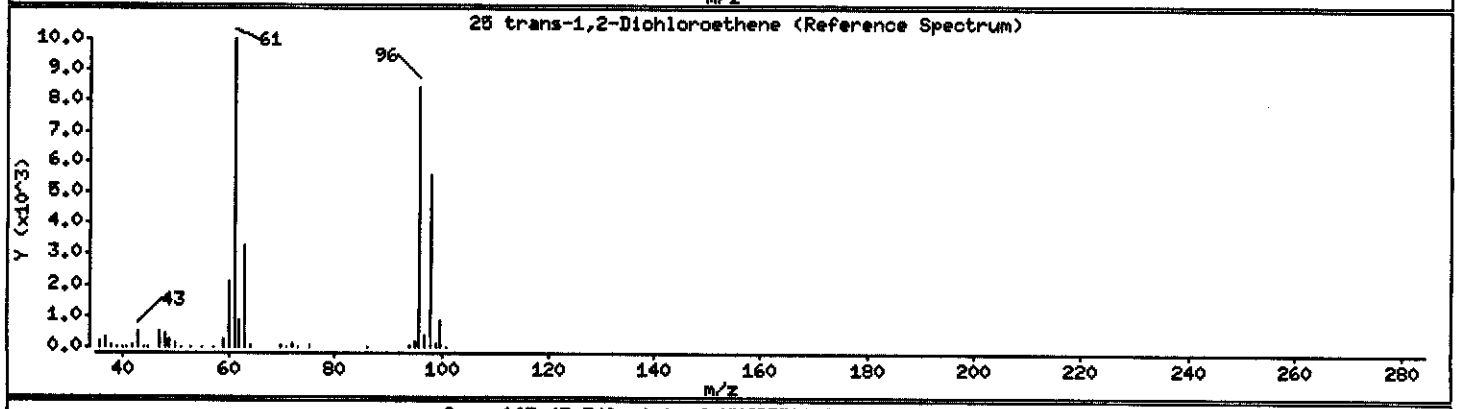
Purge Volume: 5.0 Operator: 43582

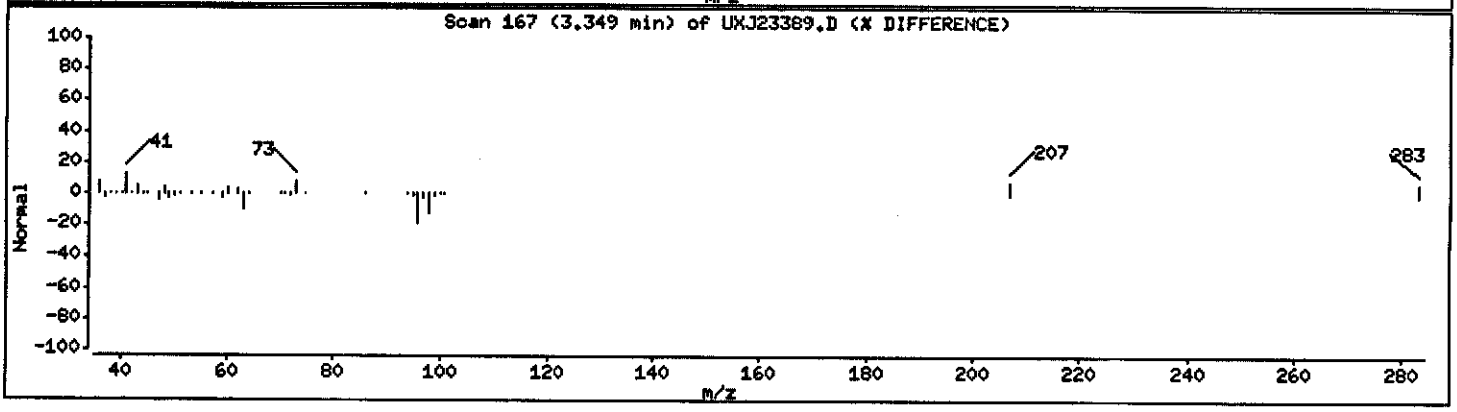
Column phase: DB624 Column diameter: 0.18

25 trans-1,2-Dichloroethene Concentration: 0.2226 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23389.D

Date : 25-AUG-2004 19:12

Client ID: MW508/081704

Instrument: a3ux11.i

Sample Info: GNEJ21AA,5ML/5ML

Purge Volume: 5.0

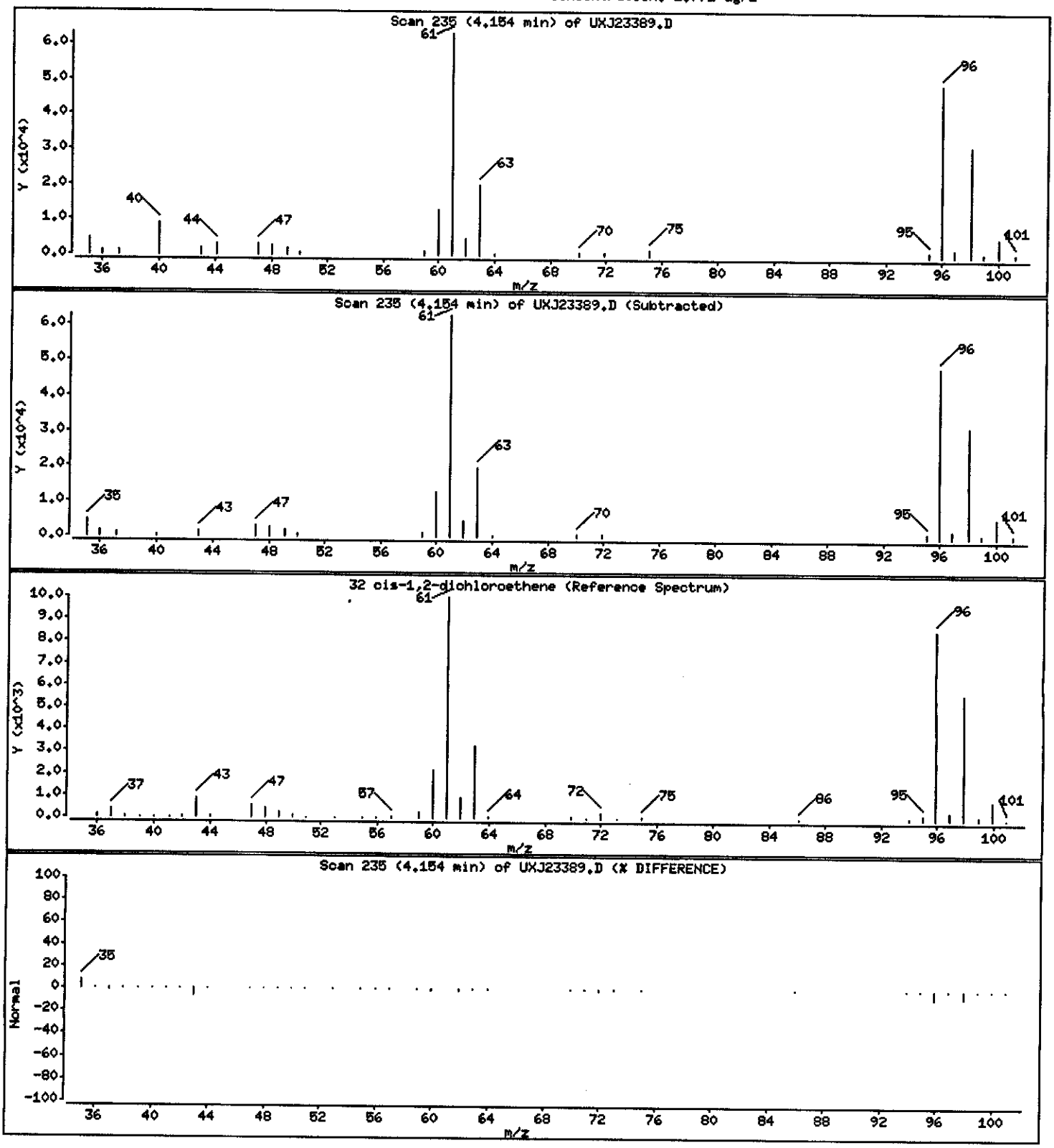
Operator: 43582

Column phase: DB624

Column diameter: 0.18

32 cis-1,2-dichloroethene

Concentration: 2.771 ug/L



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Date : 25-AUG-2004 19:12

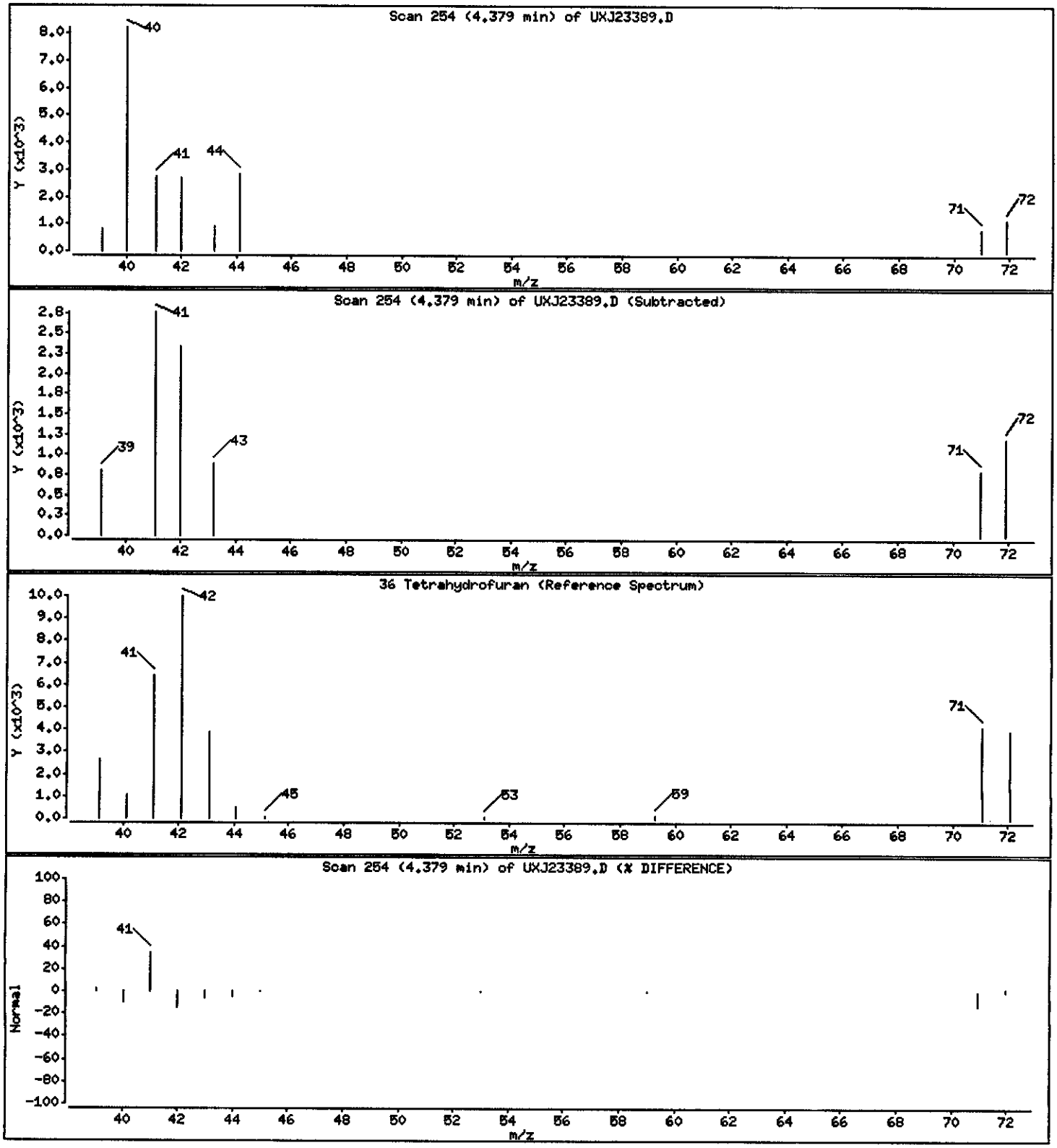
Client ID: MW508/081704 | Instrument: a3ux11.i

Sample Info: GNEJ21AA,5ML/5ML

Purge Volume: 5.0 | Operator: 43682

Column phase: DB624 | Column diameter: 0.18

36 Tetrahydrofuran | Concentration: 0.3981 ug/L



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Date : 25-AUG-2004 19:12

Client ID: MW508/081704

Instrument: a3ux11.i

Sample Info: GNEJ21AA,5ML/5ML

Purge Volume: 5.0

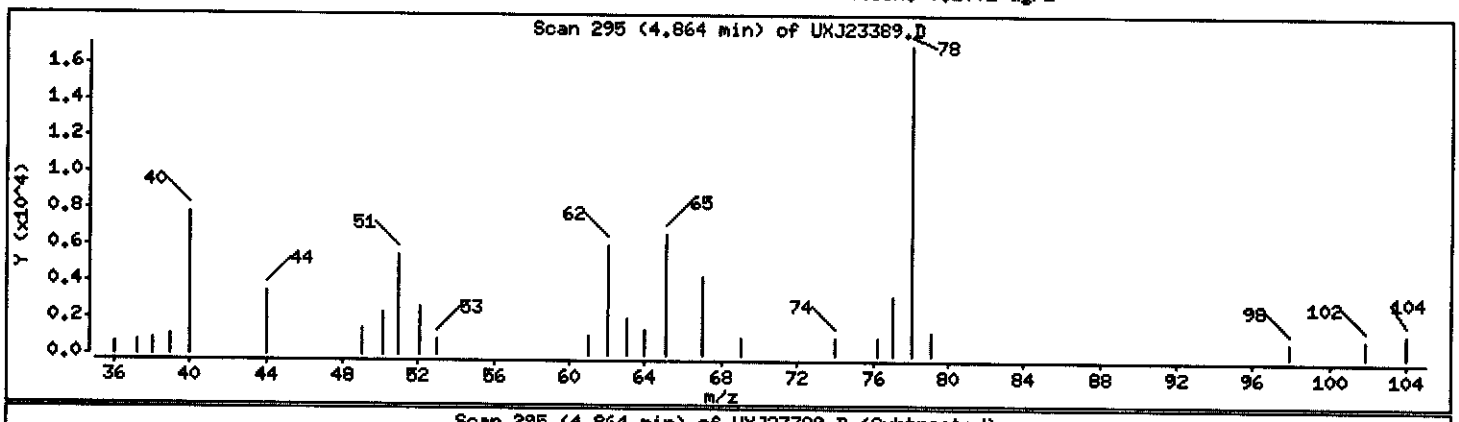
Operator: 43582

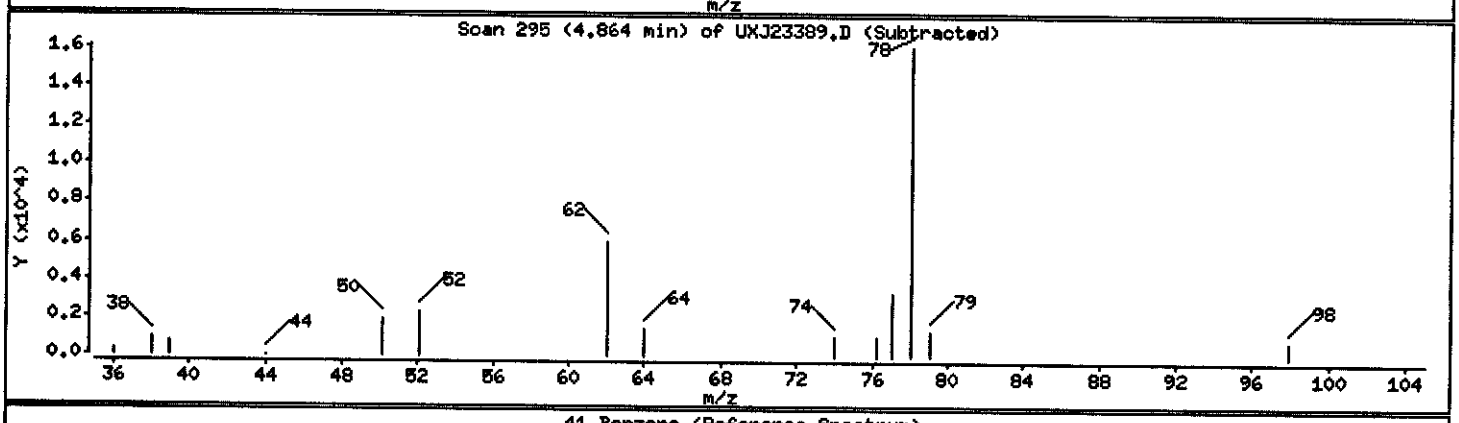
Column phase: DB624

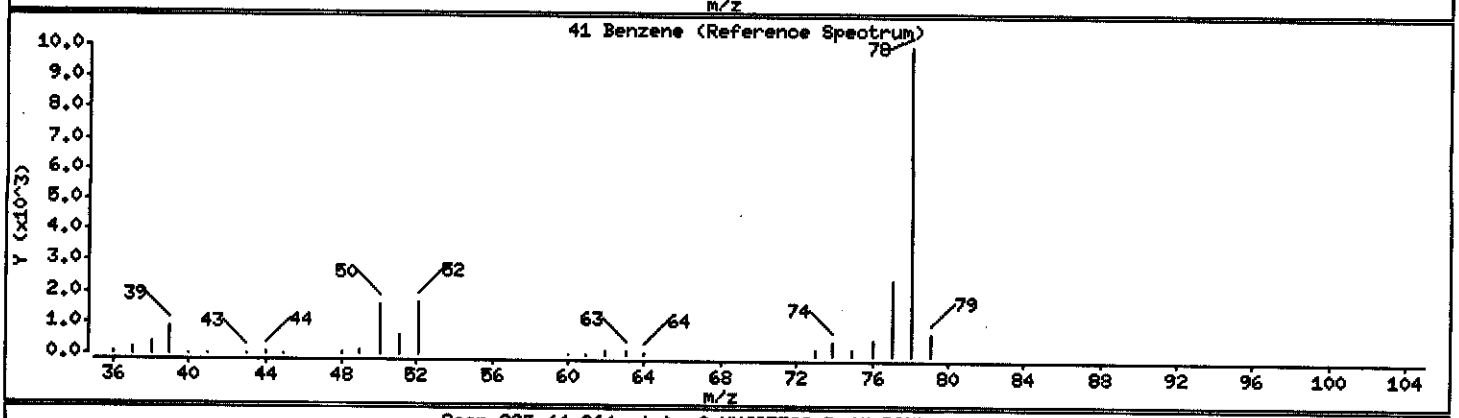
Column diameter: 0.18

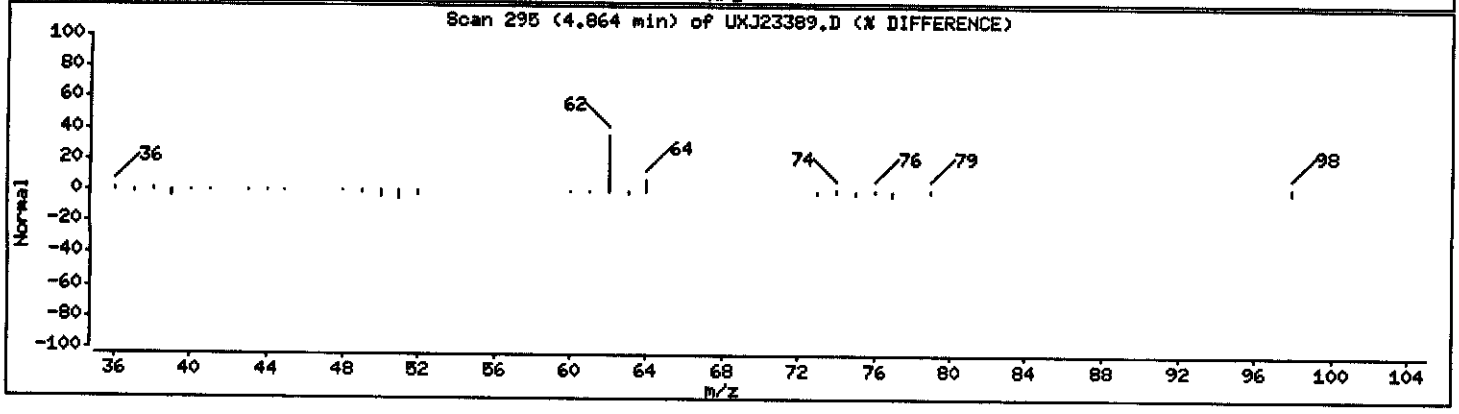
41 Benzene

Concentration: 0.2001 ug/L









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Date : 25-AUG-2004 19:12

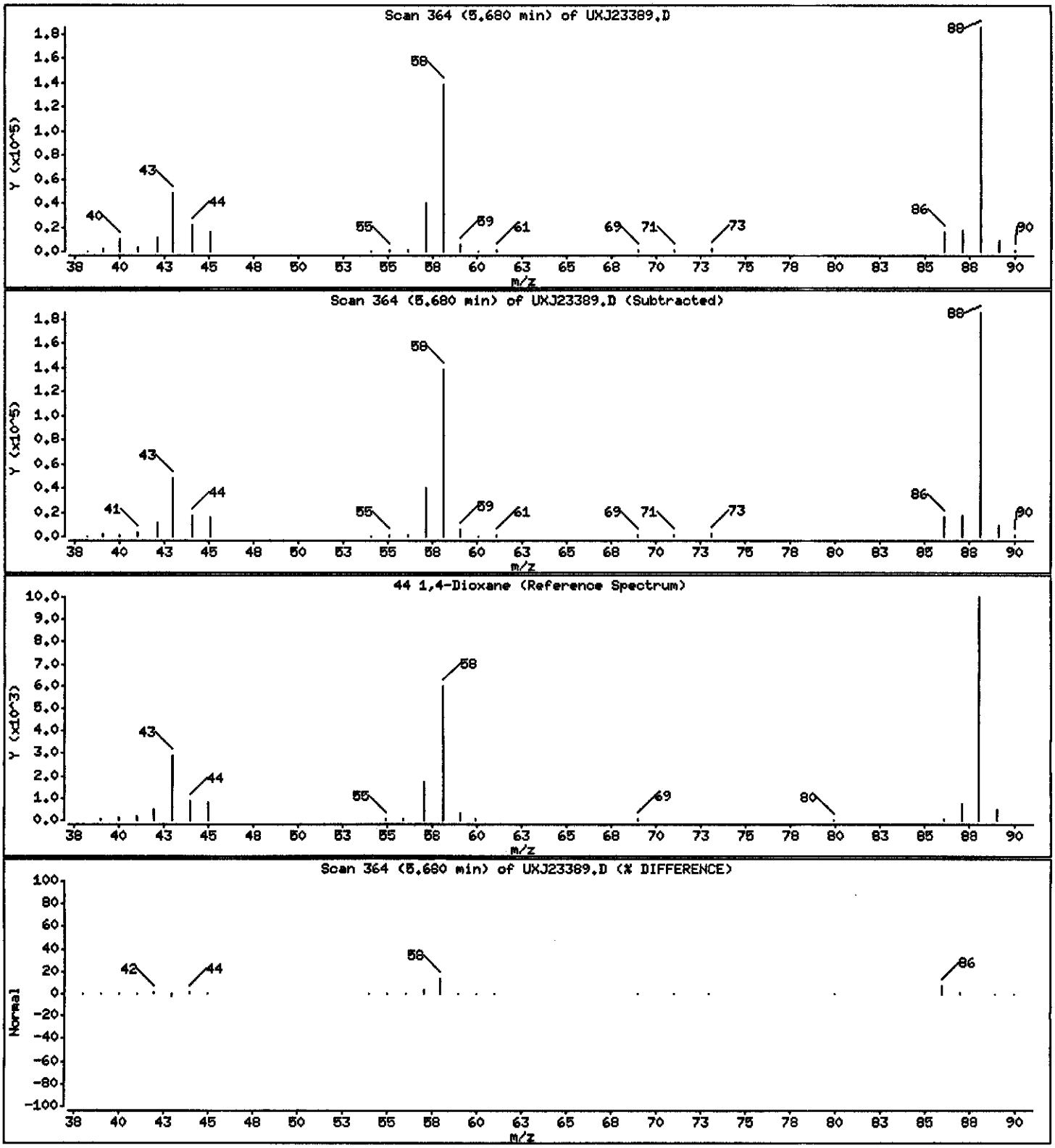
Client ID: MW508/081704 Instrument: a3ux11.i

Sample Info: GNEJ21AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 1064.5 ug/L



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Date : 25-AUG-2004 19:12

Client ID: MW508/081704

Instrument: a3ux11.i

Sample Info: GNEJ21AA,5ML/5ML

Purge Volume: 5.0

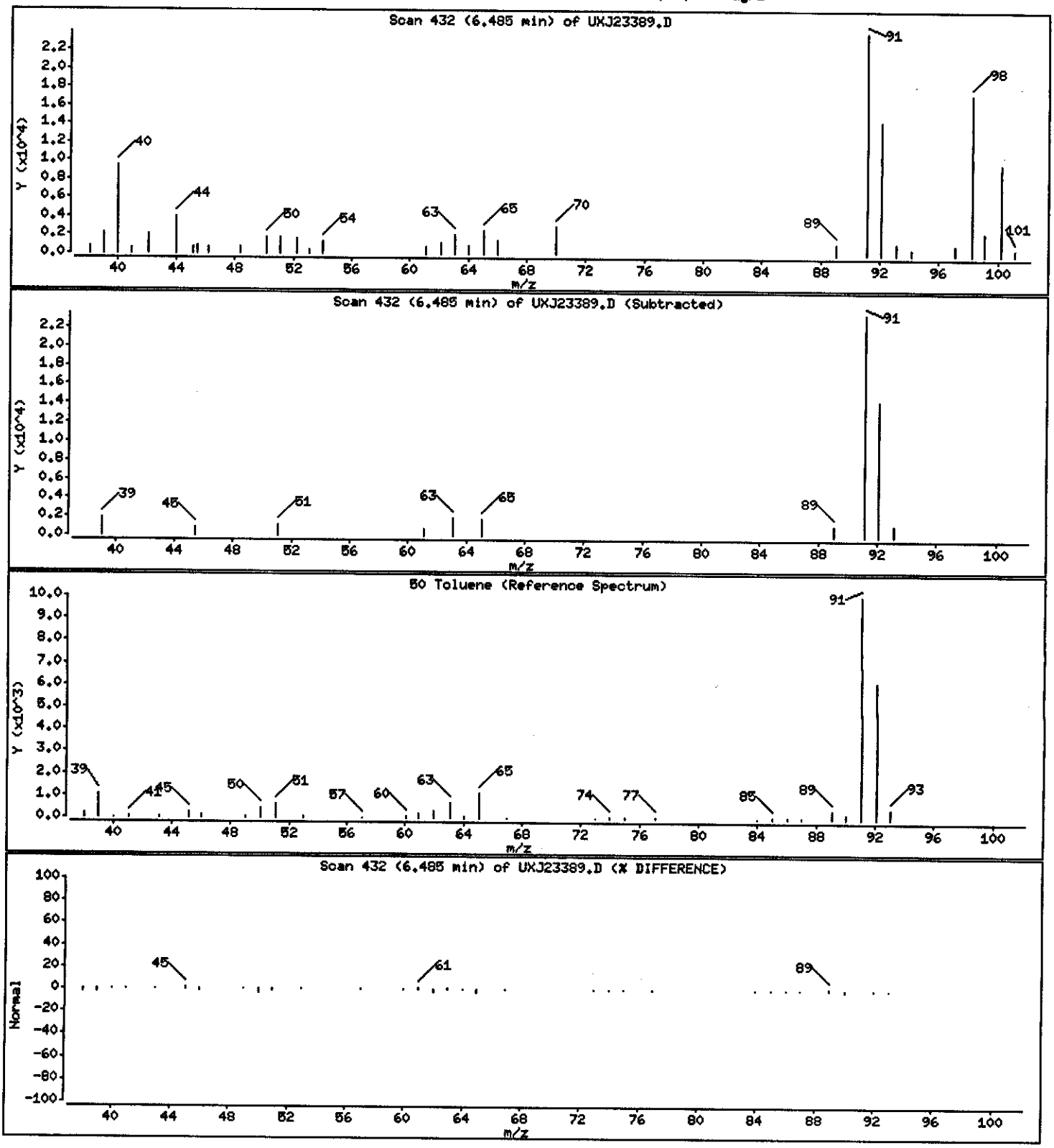
Operator: 43582

Column phase: DB624

Column diameter: 0.18

50 Toluene

Concentration: 0.2904 ug/L



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Date : 25-AUG-2004 19:12

Client ID: MW508/081704

Instrument: a3ux11.i

Sample Info: GNEJ21AA,5ML/5ML

Purge Volume: 5.0

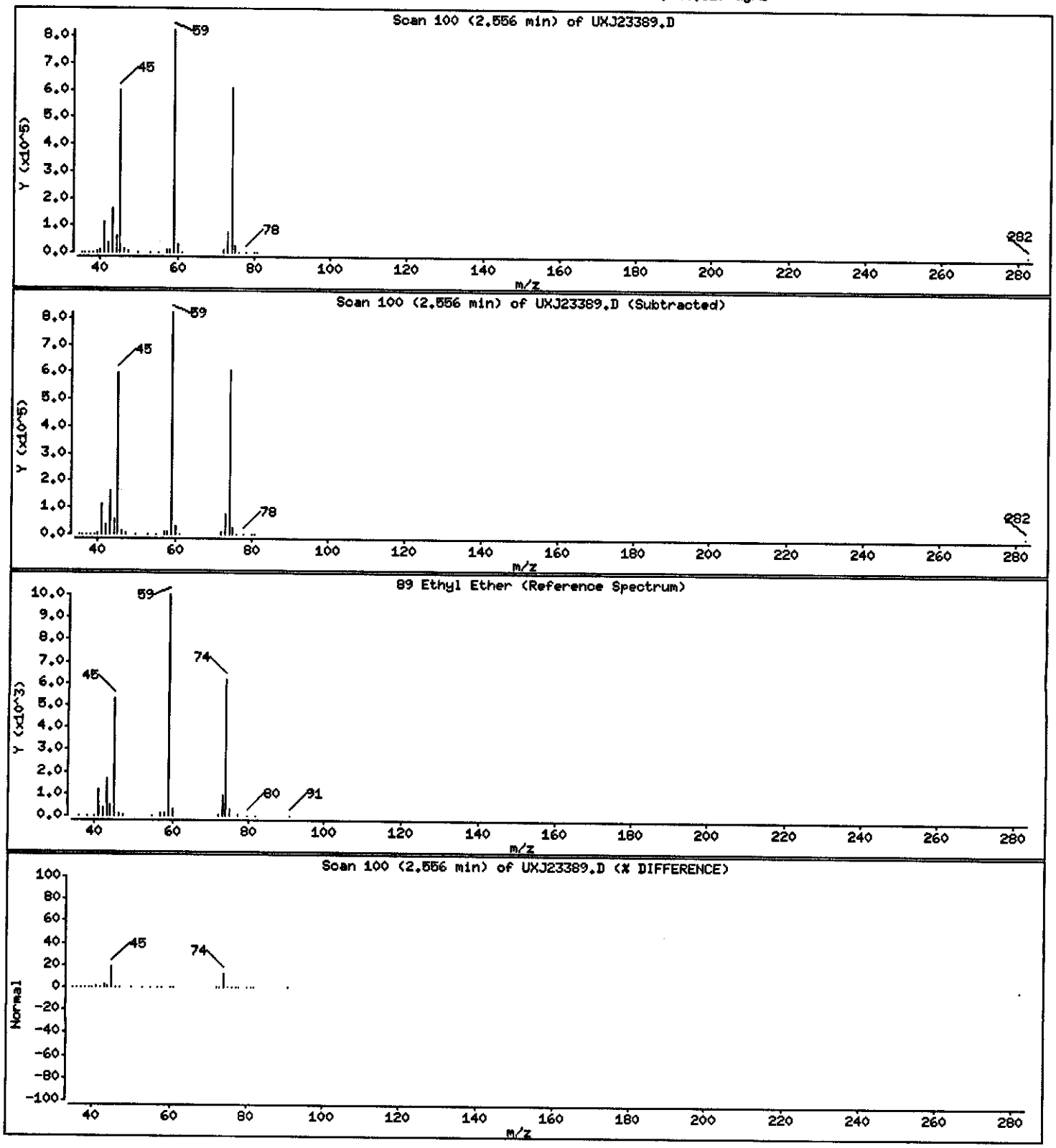
Operator: 43582

Column phase: DB624

Column diameter: 0.18

89 Ethyl Ether

Concentration: 45.627 ug/L



PAYNE FIRM INC.

Client Sample ID: MW508B/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-013 Work Order #...: GNEJ51AA Matrix.....: WG
Date Sampled...: 08/17/04 13:41 Date Received..: 08/18/04
Prep Date.....: 08/25/04 Analysis Date..: 08/25/04
Prep Batch #...: 4239131
Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol..: 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	**380**	**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/081704

GC/MS Volatiles

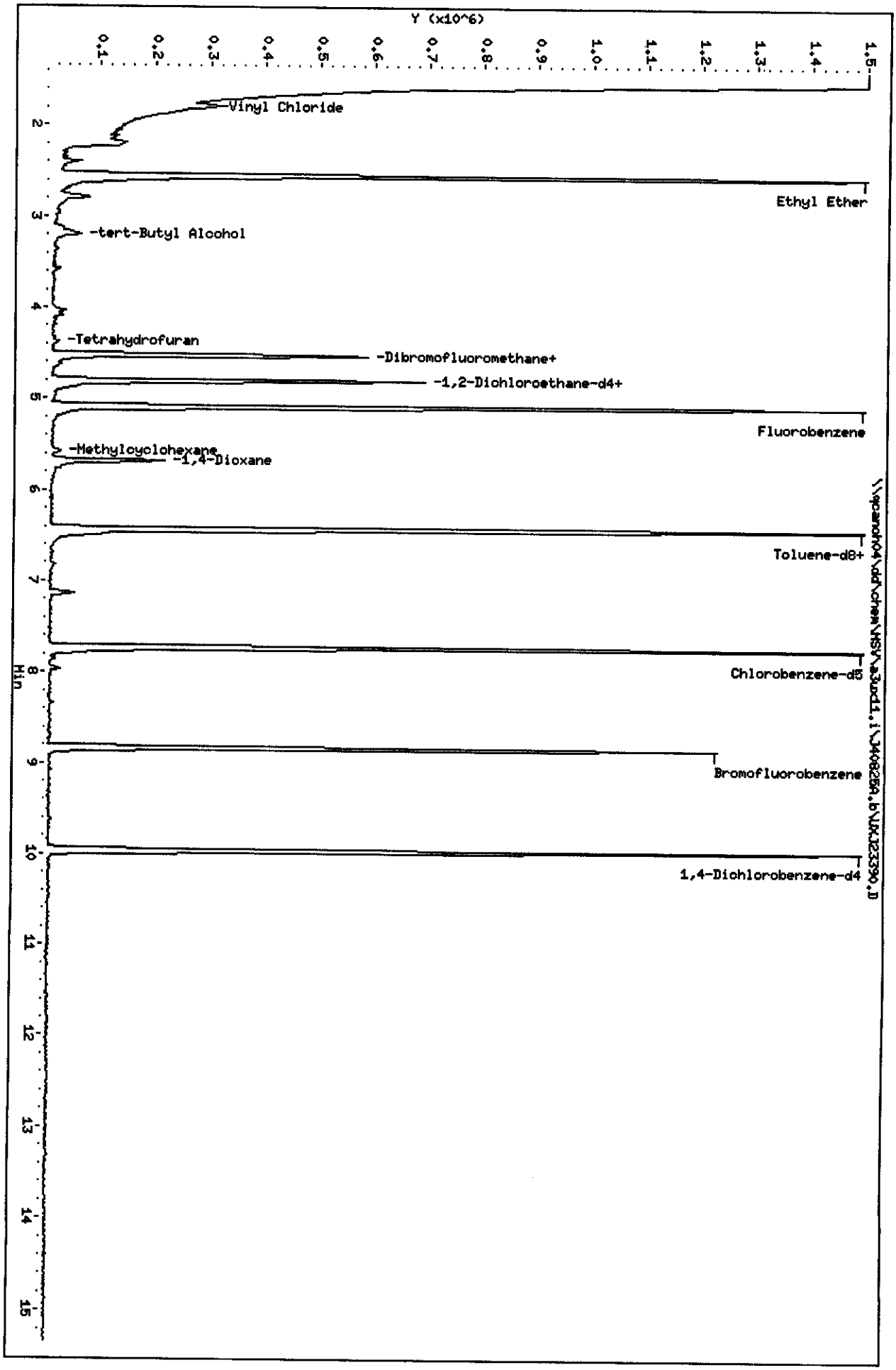
Lot-Sample #...: A4H180231-013 **Work Order #...:** GNEJ51AA **Matrix.....:** WG

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	**2.2**	**1.0**	**ug/L**
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 25-AUG-2004 19:35
Client ID: MW508B/081704
Sample Info: GNE35140,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Vinyl Chloride
Ethyl Ether
-tert-Butyl Alcohol
-Tetrahydrofuran
-Dibromofluoromethane+
-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\J40825A.b\UXJ23390.D
Report Date: 26-Aug-2004 08:56

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23390.D
Lab Smp Id: GNEJ51AA Client Smp ID: MW508B/081704
Inj Date : 25-AUG-2004 19:35
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GNEJ51AA,5ML/5ML
Misc Info : J40825A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825A.b\8260LLUX11.m
Meth Date : 26-Aug-2004 08:38 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 30
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	5.088	5.088	(1.000)	1588295	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1308549	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	597431	50.0000	
$ 4 Dibromofluoromethane	113	4.532	4.520	(0.891)	419608	56.1370	11.227
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	520688	52.5992	10.520
$ 6 Toluene-d8	98	6.437	6.425	(0.832)	1479463	47.1908	9.438
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	524344	39.4644	7.893
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.799	1.787	(0.354)	74461	11.1348	2.227
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\J40825A.b\UXJ23390.D
Report Date: 26-Aug-2004 08:56

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	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	3.195	3.195	(0.628)	51080	69.3885	13.878
	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	4.378	4.378	(0.860)	8000	3.07465	0.6149
	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	4.863	4.863	(0.956)	30198	0.84468	0.1689
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.680	5.680	(1.116)	190589	1876.71	375.34(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	6.485	6.484	(0.838)	54452	1.47282	0.2946
	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\J40825A.b\UXJ23390.D
Report Date: 26-Aug-2004 08:56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.556	2.556	(0.502)	1290949	164.837	32.967
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	4.627	4.627	(0.909)	6393	6.16366	1.233
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.573	5.573	(1.095)	6260	5.80714	1.161
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\MSV\a3ux11.i\J40825A.b\UXJ23390.D

Date : 25-AUG-2004 19:35

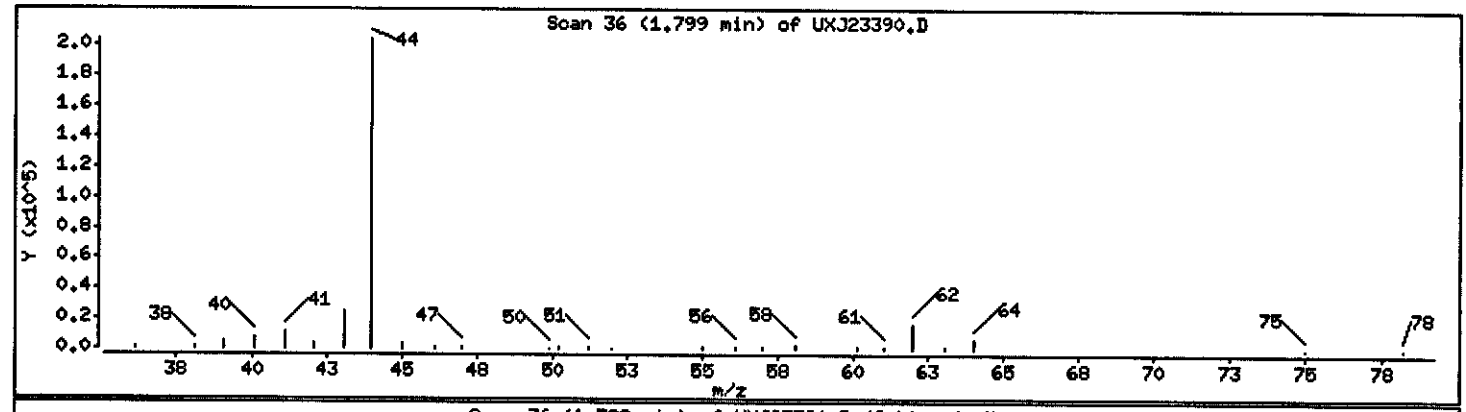
Client ID: MW508B/081704 Instrument: a3ux11.i

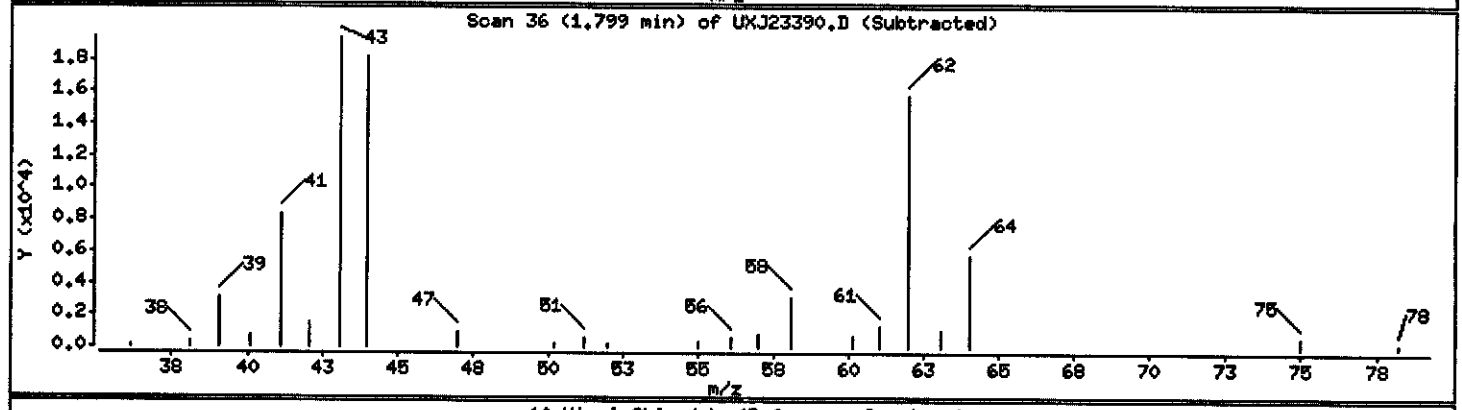
Sample Info: GNEJ51AA,5ML/5ML

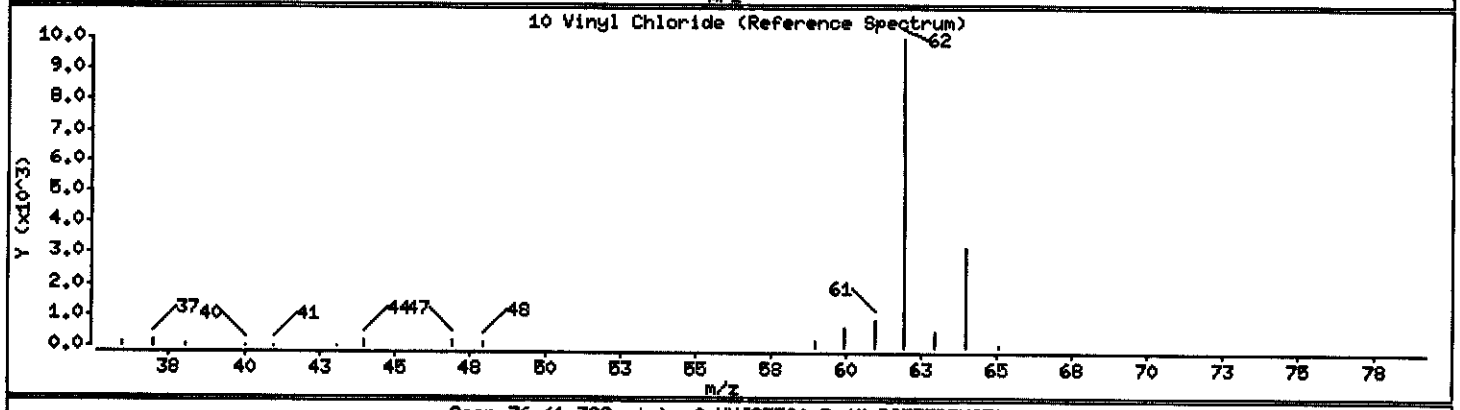
Purge Volume: 5.0 Operator: 43582

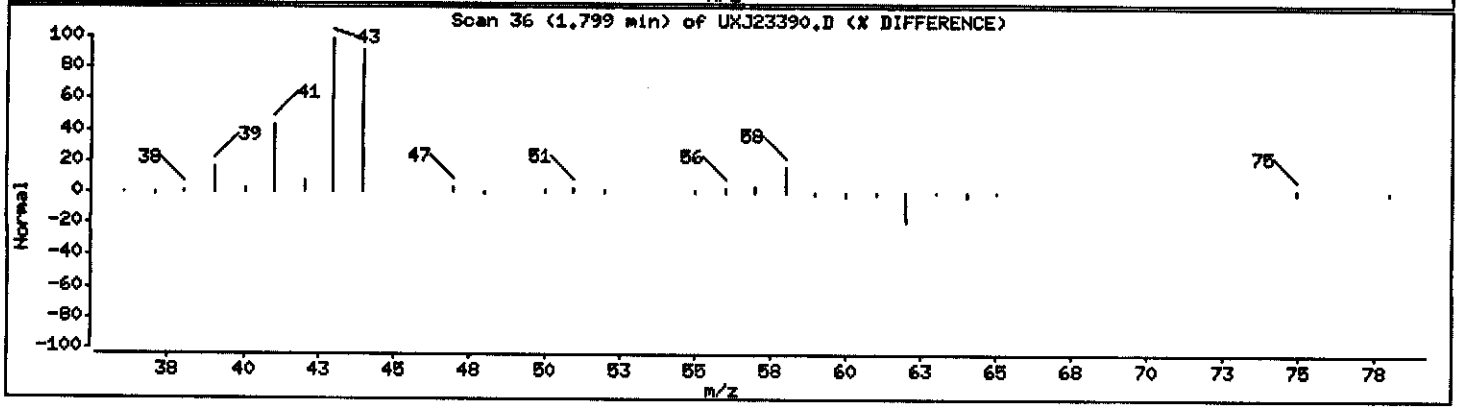
Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 2.227 ug/L









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Date : 25-AUG-2004 19:35

Client ID: MW508B/081704

Instrument: a3ux11.i

Sample Info: GNEJ51AA,5ML/5ML

Purge Volume: 5.0

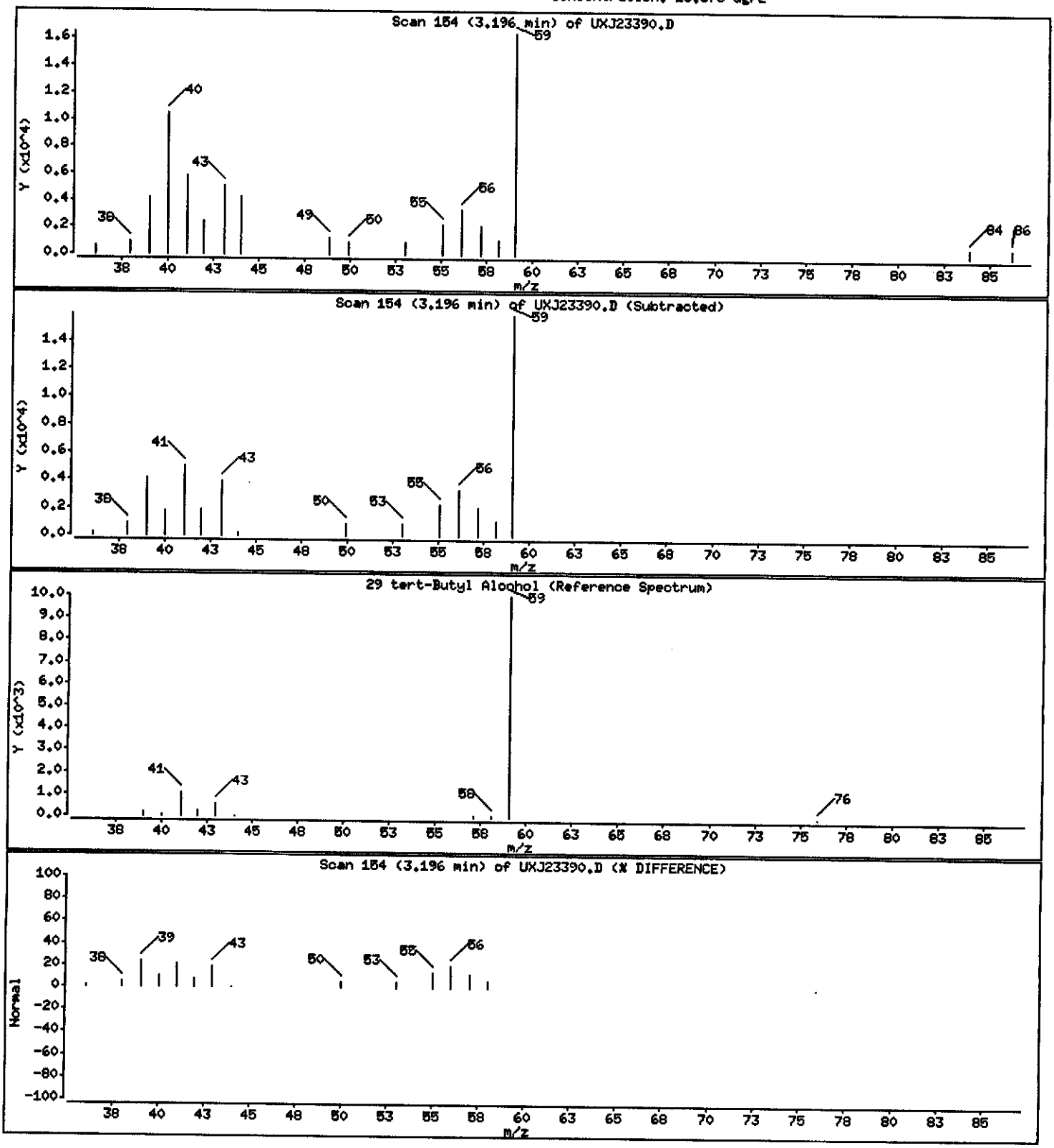
Operator: 43582

Column phase: DB624

Column diameter: 0.18

29 tert-Butyl Alcohol

Concentration: 13.878 ug/L



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Date : 25-AUG-2004 19:35

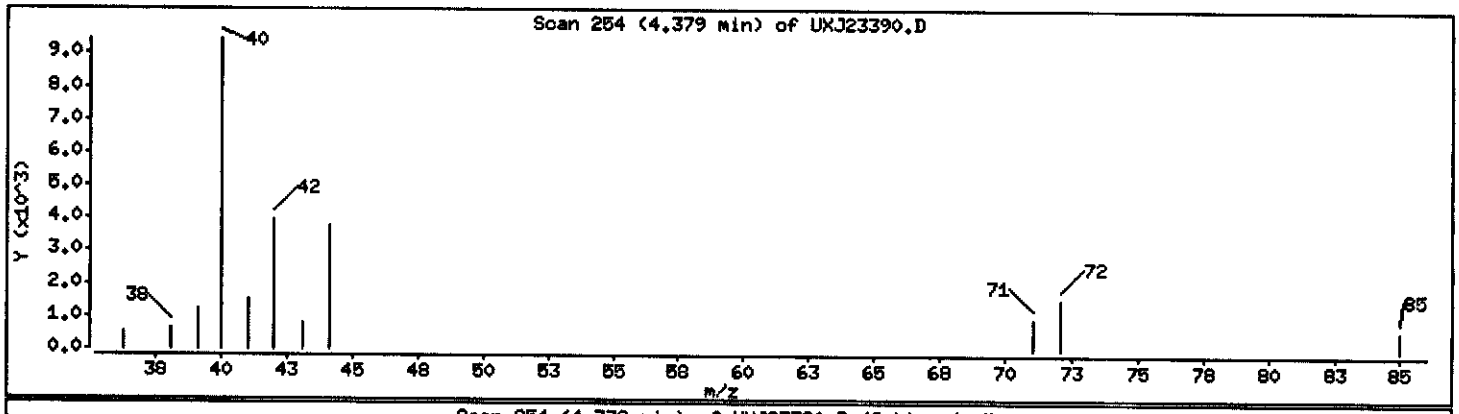
Client ID: MW508B/081704 Instrument: a3ux11.i

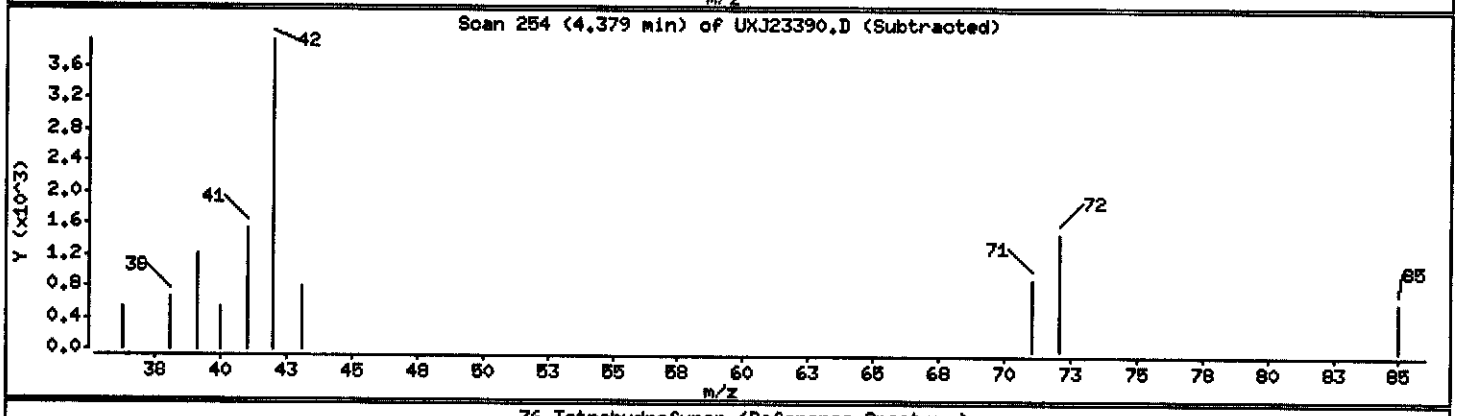
Sample Info: GNEJ51AA,5ML/5ML

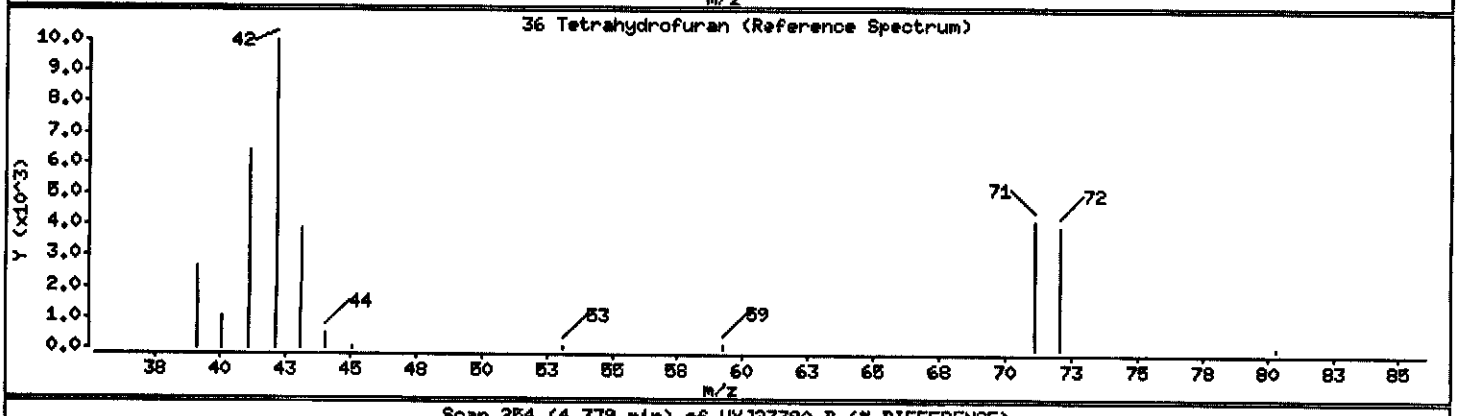
Purge Volume: 5.0 Operator: 43582

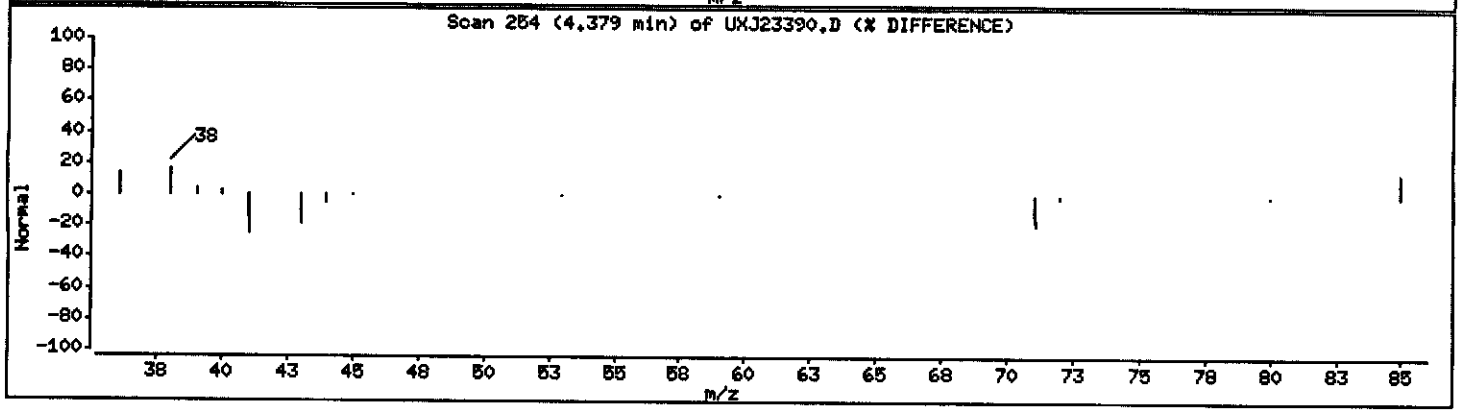
Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 0.6149 ug/L









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Date : 25-AUG-2004 19:35

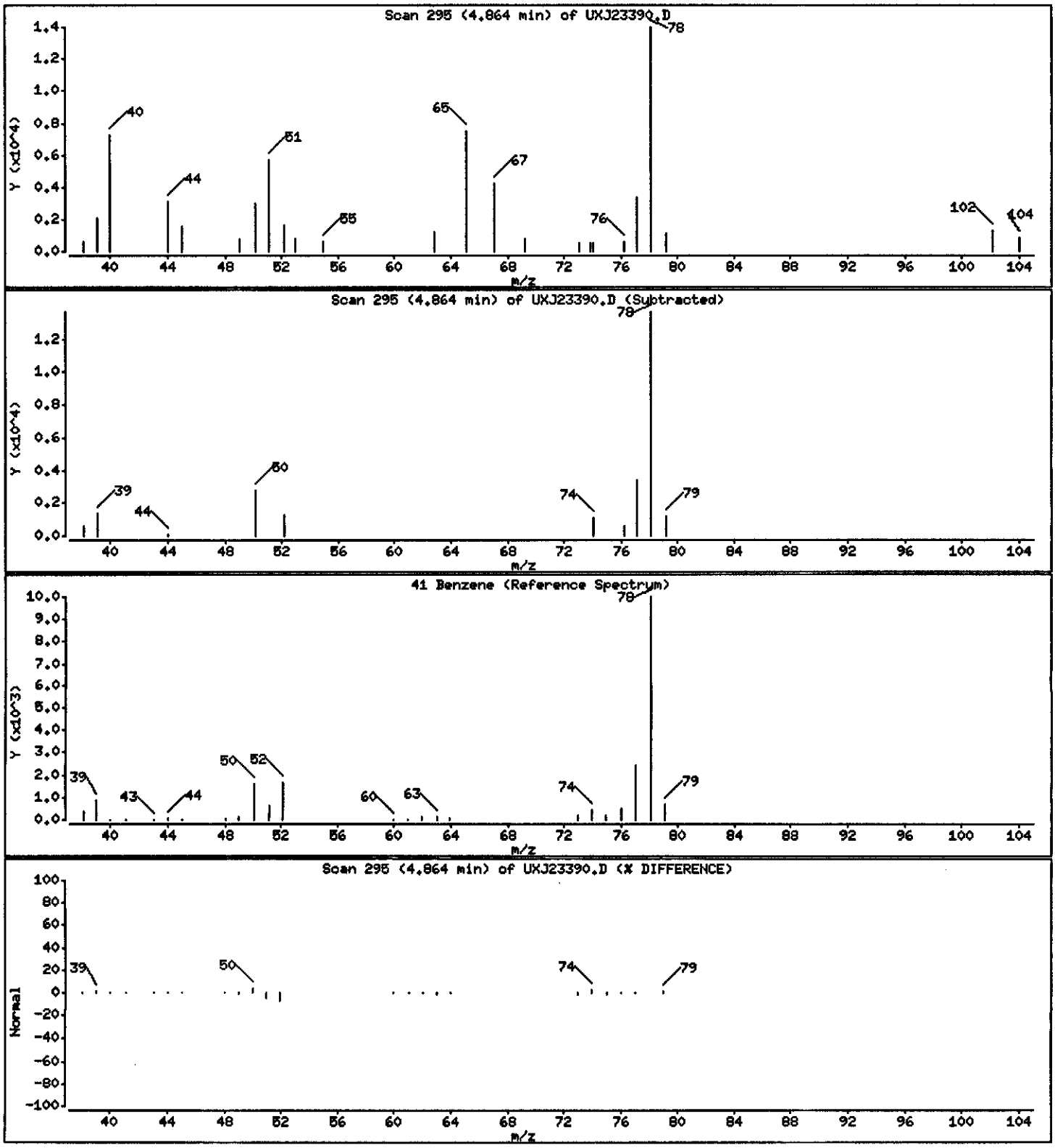
Client ID: MW508B/081704 Instrument: a3ux11.i

Sample Info: GNEJ51AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.1689 ug/L



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Date : 25-AUG-2004 19:35

Client ID: MW508B/081704

Instrument: a3ux11.i

Sample Info: GNEJ61AA,5ML/5ML

Purge Volume: 5.0

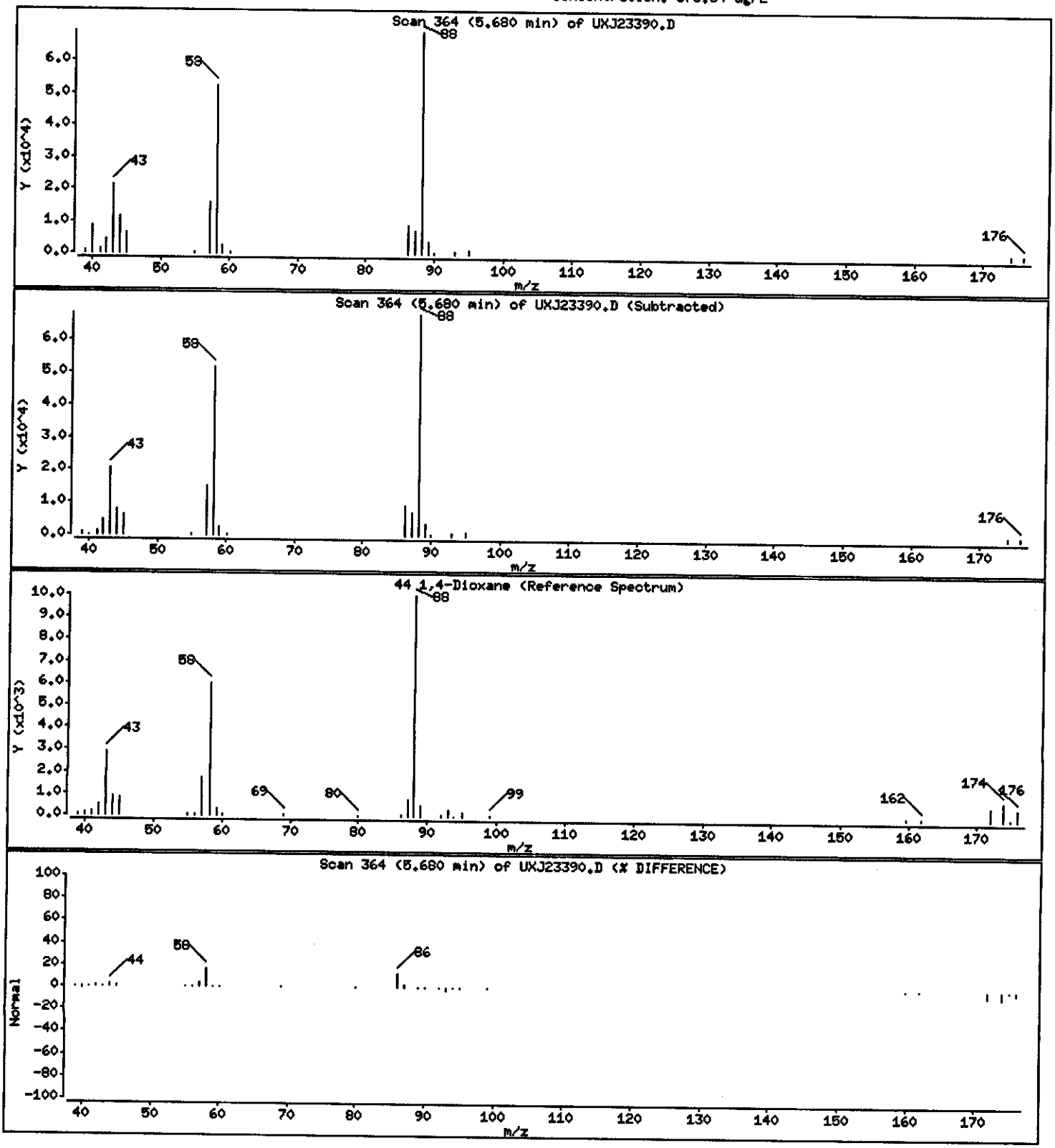
Operator: 43582

Column phase: DB624

Column diameter: 0.18

44 1,4-Dioxane

Concentration: 375.34 ug/L



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Date : 25-AUG-2004 19:35

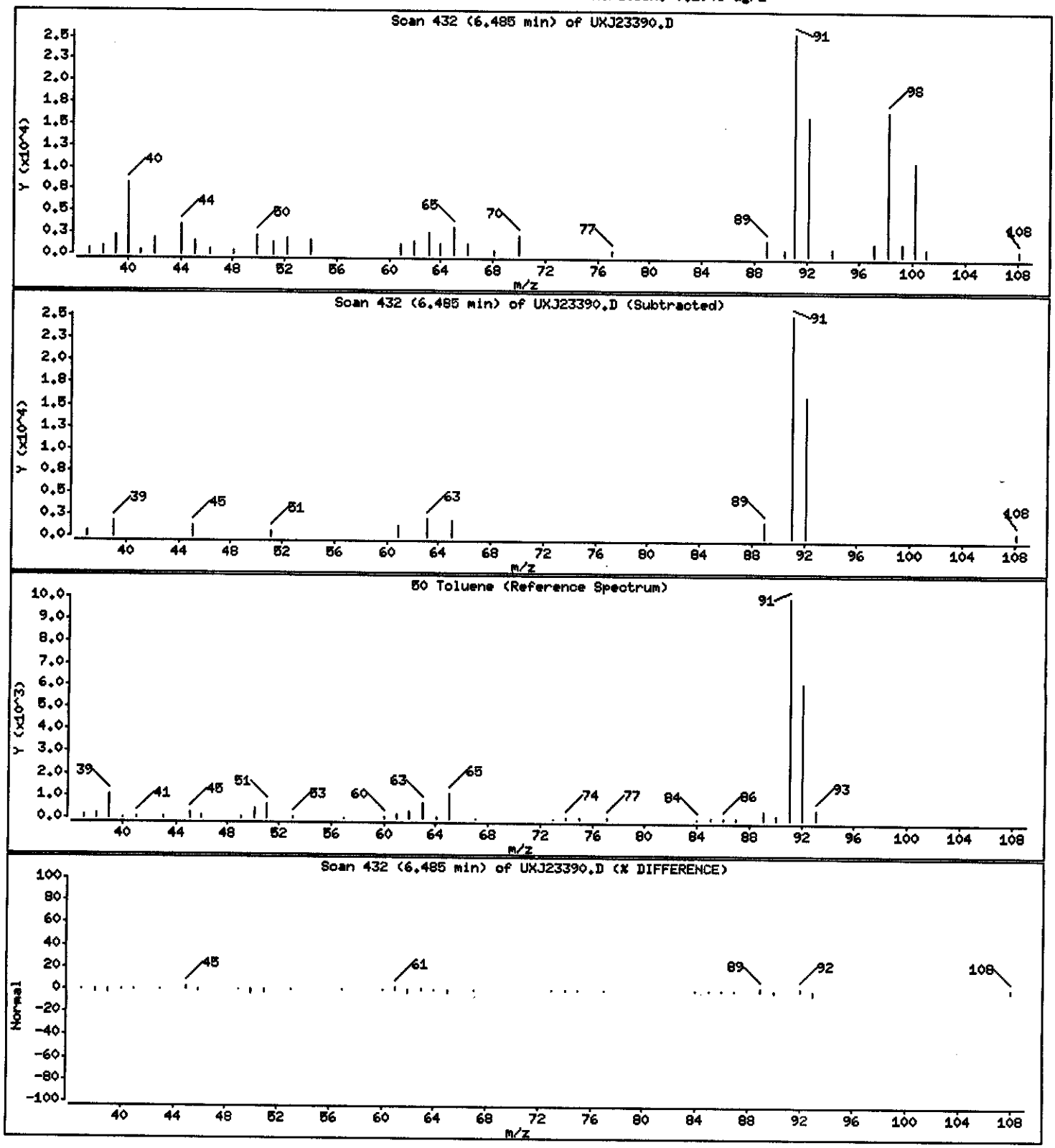
Client ID: MW508B/081704 Instrument: a3ux11.i

Sample Info: GNEJ51AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.2946 ug/L



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Date : 25-AUG-2004 19:35

Client ID: MW508B/081704

Instrument: a3ux11.i

Sample Info: GNEJ51AA,5ML/5ML

Purge Volume: 5.0

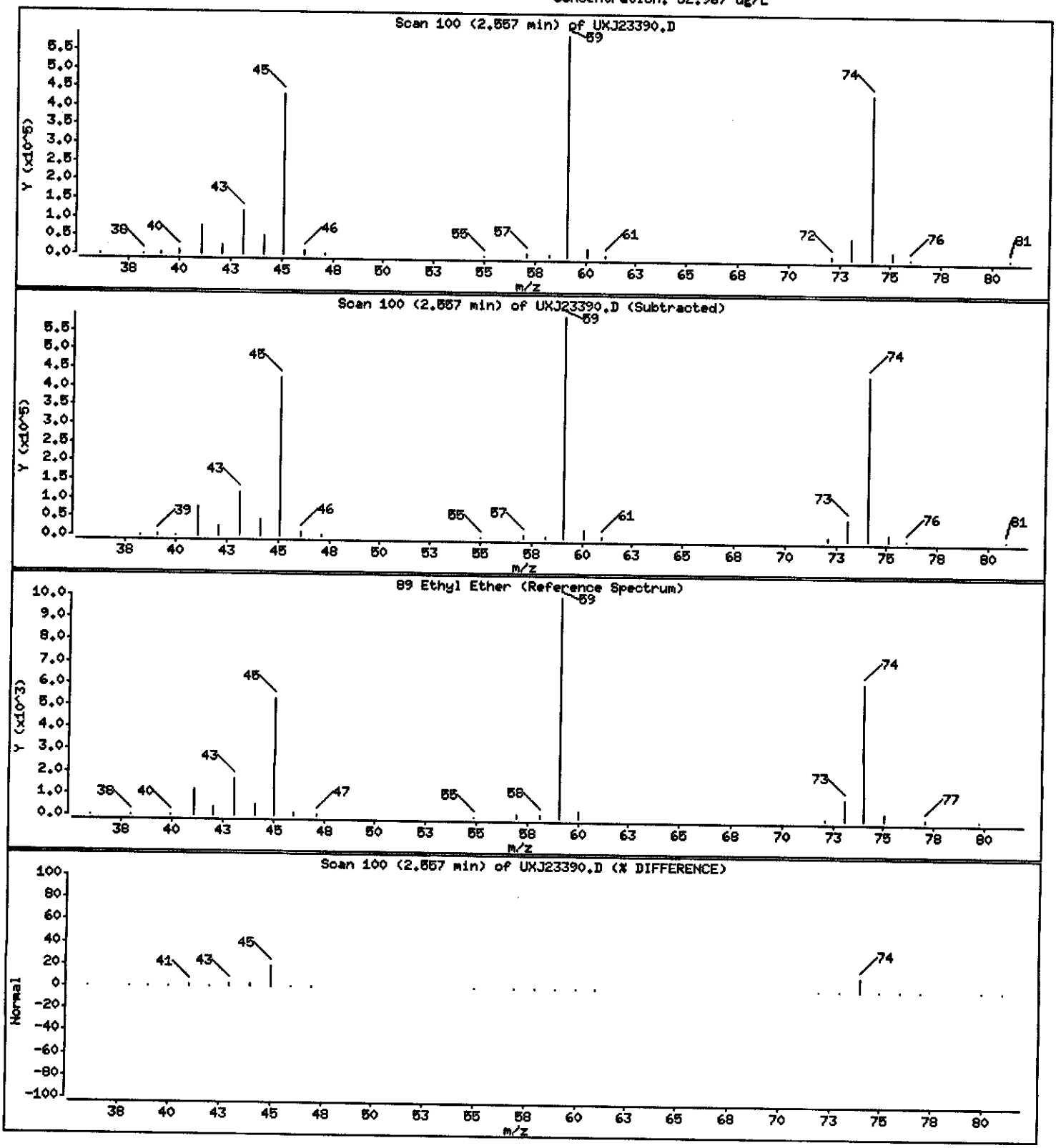
Operator: 43582

Column phase: DB624

Column diameter: 0.18

89 Ethyl Ether

Concentration: 32.967 ug/L



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Date : 25-AUG-2004 19:35

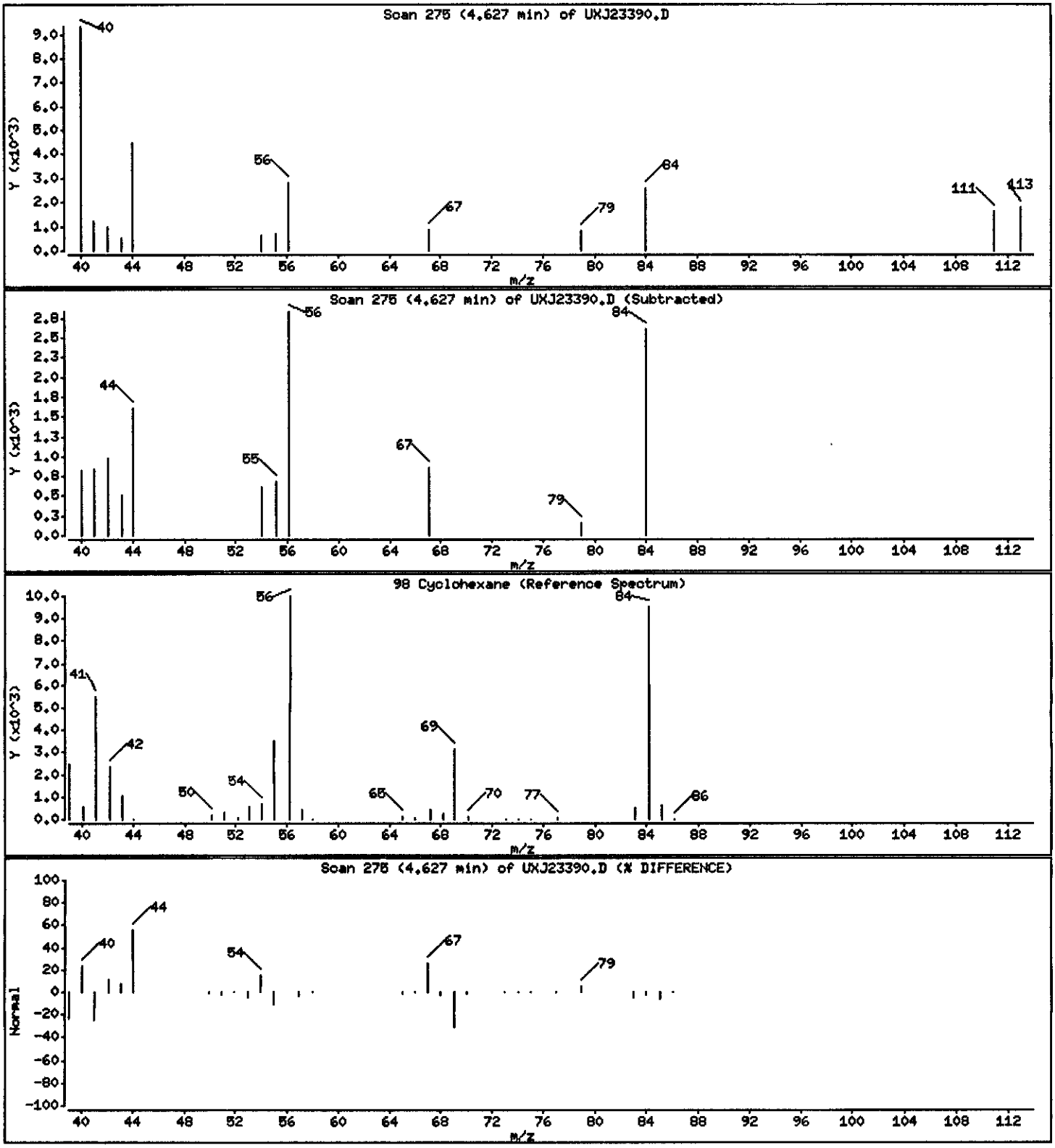
Client ID: MW508B/081704 Instrument: a3ux11.i

Sample Info: GNEJ61AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

98 Cyclohexane Concentration: 1.233 ug/L



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Date : 25-AUG-2004 19:35

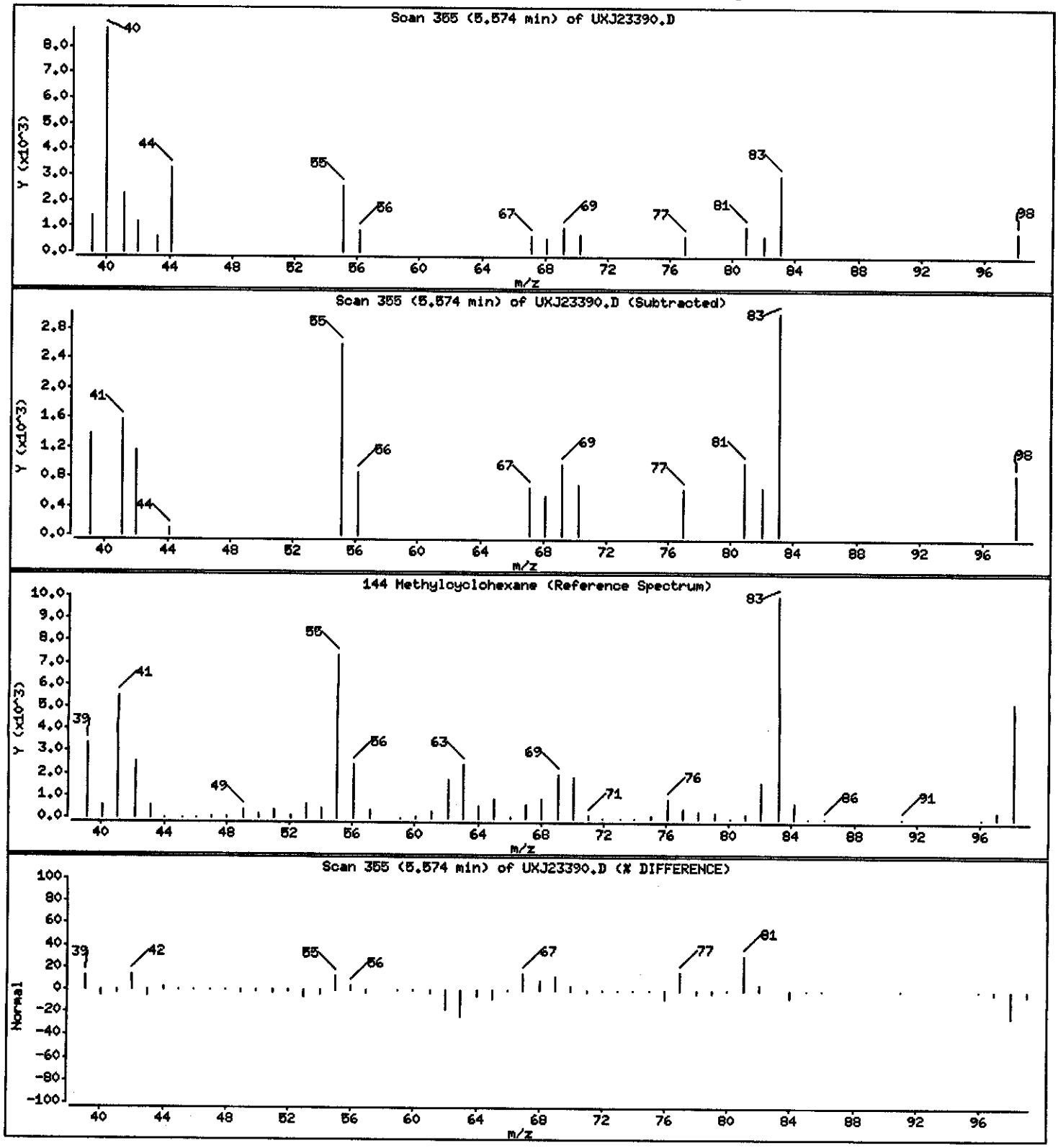
Client ID: MW508B/081704 Instrument: a3ux11.i

Sample Info: GNEJ51AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

144 Methylcyclohexane Concentration: 1.161 ug/L



PAYNE FIRM INC.

Client Sample ID: MW510A/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-014 **Work Order #...:** GNEJ81AA **Matrix.....:** WG
Date Sampled...: 08/17/04 14:30 **Date Received..:** 08/18/04
Prep Date.....: 08/27/04 **Analysis Date..:** 08/27/04
Prep Batch #...: 4243253
Dilution Factor: 2 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	20	ug/L
Acetonitrile	ND	40	ug/L
Acrolein	ND	40	ug/L
Acrylonitrile	ND	40	ug/L
Benzene	**0.79 J**	**2.0**	**ug/L**
Bromodichloromethane	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
2-Butanone	ND	20	ug/L
Carbon disulfide	**2.0**	**2.0**	**ug/L**
Carbon tetrachloride	ND	2.0	ug/L
Chlorobenzene	**0.94 J**	**2.0**	**ug/L**
Chloroprene	ND	4.0	ug/L
Dibromochloromethane	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	2.0	ug/L
3-Chloropropene	ND	4.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	4.0	ug/L
1,2-Dibromoethane	ND	2.0	ug/L
Dibromomethane	ND	2.0	ug/L
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L
1,1-Dichloroethane	**0.43 J**	**2.0**	**ug/L**
1,2-Dichloroethane	ND	2.0	ug/L
cis-1,2-Dichloroethene	**9.4**	**2.0**	**ug/L**
trans-1,2-Dichloroethene	**0.70 J**	**2.0**	**ug/L**
1,1-Dichloroethene	ND	2.0	ug/L
1,2-Dichloroethene (total)	**10**	**4.0**	**ug/L**
Dichlorofluoromethane	ND	4.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
cis-1,3-Dichloropropene	ND	2.0	ug/L
trans-1,3-Dichloropropene	ND	2.0	ug/L
1,4-Dioxane	**1900**	**100**	**ug/L**
Ethylbenzene	**1.6 J**	**2.0**	**ug/L**
Ethyl methacrylate	ND	2.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW510A/081704

GC/MS Volatiles

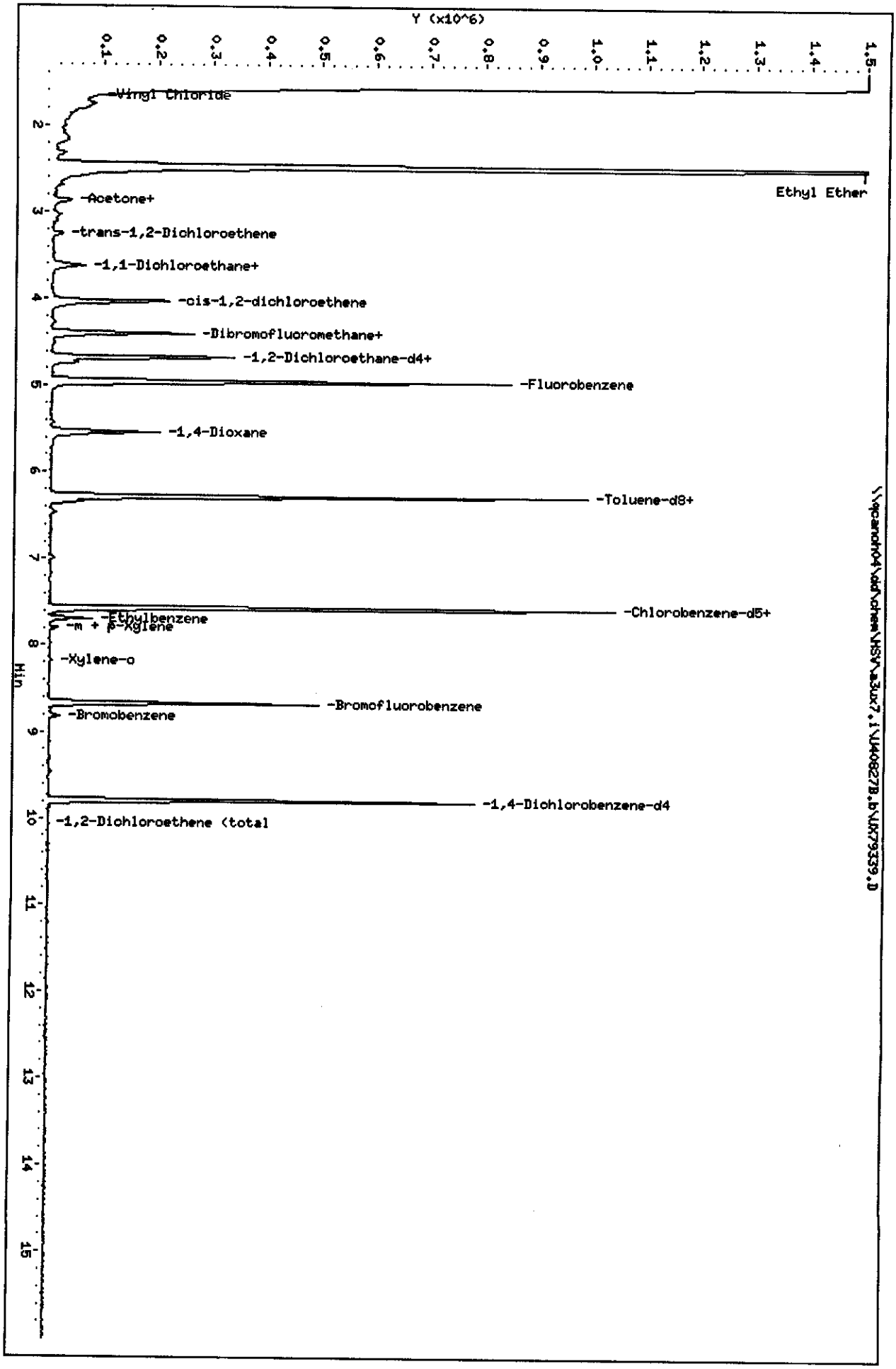
Lot-Sample #...: A4H180231-014 **Work Order #...:** GNEJ81AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
Isobutanol	ND	100	ug/L
Methacrylonitrile	ND	4.0	ug/L
Methylene chloride	ND	2.0	ug/L
Methyl methacrylate	ND	4.0	ug/L
4-Methyl-2-pentanone	ND	20	ug/L
Propionitrile	ND	8.0	ug/L
Styrene	ND	2.0	ug/L
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Tetrachloroethene	ND	2.0	ug/L
Toluene	**0.89 J**	**2.0**	**ug/L**
1,1,1-Trichloroethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Trichloroethene	ND	2.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	2.0	ug/L
Vinyl acetate	ND	4.0	ug/L
Vinyl chloride	**5.1**	**2.0**	**ug/L**
Xylenes (total)	**4.8**	**4.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
Toluene-d8	93	(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\U408278.b\UX79339.D
Date : 27-AUG-2004 22:49
Client ID: MW5109/081704
Sample Info: CHEJ8109,2.5ML/5ML
Purge Volume: 2.5
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Vinyl Chloride
Ethyl Ether
-Acetone+
-trans-1,2-Dichloroethene
-1,1-Dichloroethane+
-cis-1,2-dichloroethene
-Dibromofluoromethane+
-1,2-Dichloroethane-d4+
-Fluorobenzene
-1,4-Dioxane
-Toluene-d8+
-Chlorobenzene-d5+
-Ethylbenzene
-m + p-Xylene
-Xylene-o
-Bromofluorobenzene
-Bromobenzene
-1,4-Dichlorobenzene-d4
-1,2-Dichloroethene (total
Min
\\qcanoh04\dd\chem\HSV\a3ux7.i\U408278.b\UX79339.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79339.D
Report Date: 30-Aug-2004 15:40

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79339.D
Lab Smp Id: GNEJ81AA Client Smp ID: MW510A/081704
Inj Date : 27-AUG-2004 22:49
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNEJ81AA,2.5ML/5ML
Misc Info : U40827B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 30-Aug-2004 15:31 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 8
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	2.500	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.955	4.952	(1.000)	870068	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.567	(1.000)	583253	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.792	(1.000)	209731	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.396	(0.888)	188873	48.7672	19.507
$ 5 1,2-Dichloroethane-d4	65	4.671	4.668	(0.943)	272984	47.0820	18.833
$ 6 Toluene-d8	98	6.281	6.277	(0.830)	695333	46.2521	18.501
$ 7 Bromofluorobenzene	95	8.671	8.668	(1.145)	193612	40.3896	16.156
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.749	1.757	(0.353)	84448	12.7145	5.086
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	(0.542)	21855	2.70278	1.081
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79339.D
Report Date: 30-Aug-2004 15:40

	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	2.861	2.858	(0.577)	84204	4.91857	1.967
	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)	8633	1.74782	0.6991
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.571	3.568	(0.721)	9696	1.08238	0.4330
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				123377	25.3629	10.145
	32 cis-1,2-dichloroethene	96	4.032	4.029	(0.814)	114744	23.6151	9.446
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.730	4.739	(0.955)	40825	1.97521	0.7901
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.535	5.532	(1.117)	179311	4655.57	1862.2(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	6.340	6.337	(0.837)	43598	2.22620	0.8905
	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	7.594	7.603	(1.003)	27633	2.34536	0.9381
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.701	7.697	(1.017)	2204	4.11345	1.645
	62 m + p-Xylene	106	7.807	7.804	(1.031)	6036	8.01150	3.205
M	63 Xylenes (total)	106				7757	12.0210	4.808
	64 Xylene-o	106	8.174	8.182	(1.080)	1721	4.00945	1.604
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79339.D
Report Date: 30-Aug-2004 15:40

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	8.825	8.821	(0.901)	5457	1.73859	0.6954
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)	2409258	576.628	230.65(A)
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	3.630	3.615	(0.733)	18736	4.51905	1.808
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	4.502	(0.909)	1713	3.89307	1.557(a)
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40827B.b\UX79339.D

Date : 27-AUG-2004 22:49

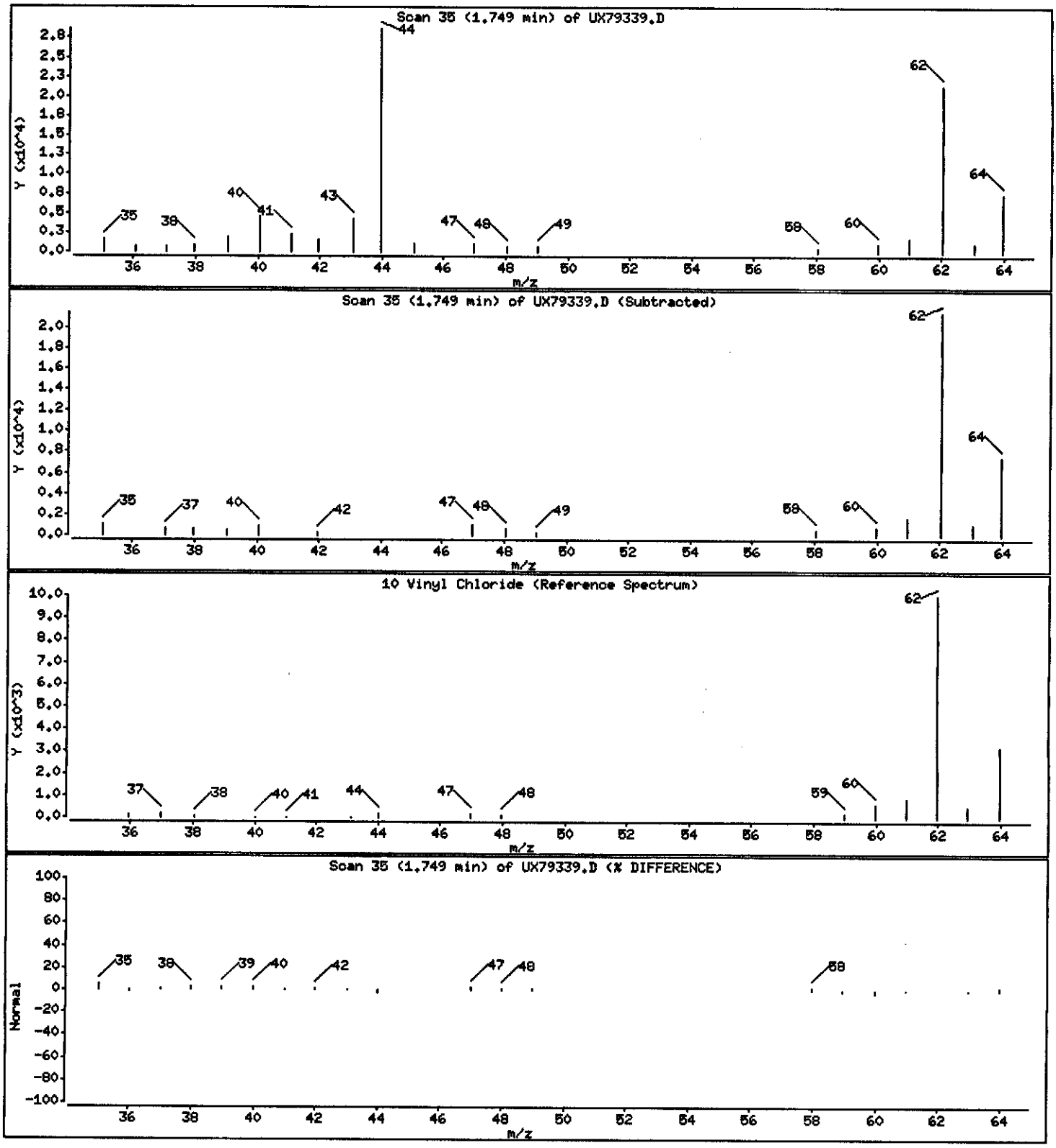
Client ID: HW510A/081704 Instrument: a3ux7.i

Sample Info: GNEJ81AA,2.5ML/5ML

Purge Volume: 2.5 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

10 Vinyl Chloride Concentration: 5.086 ug/L



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Date : 27-AUG-2004 22:49

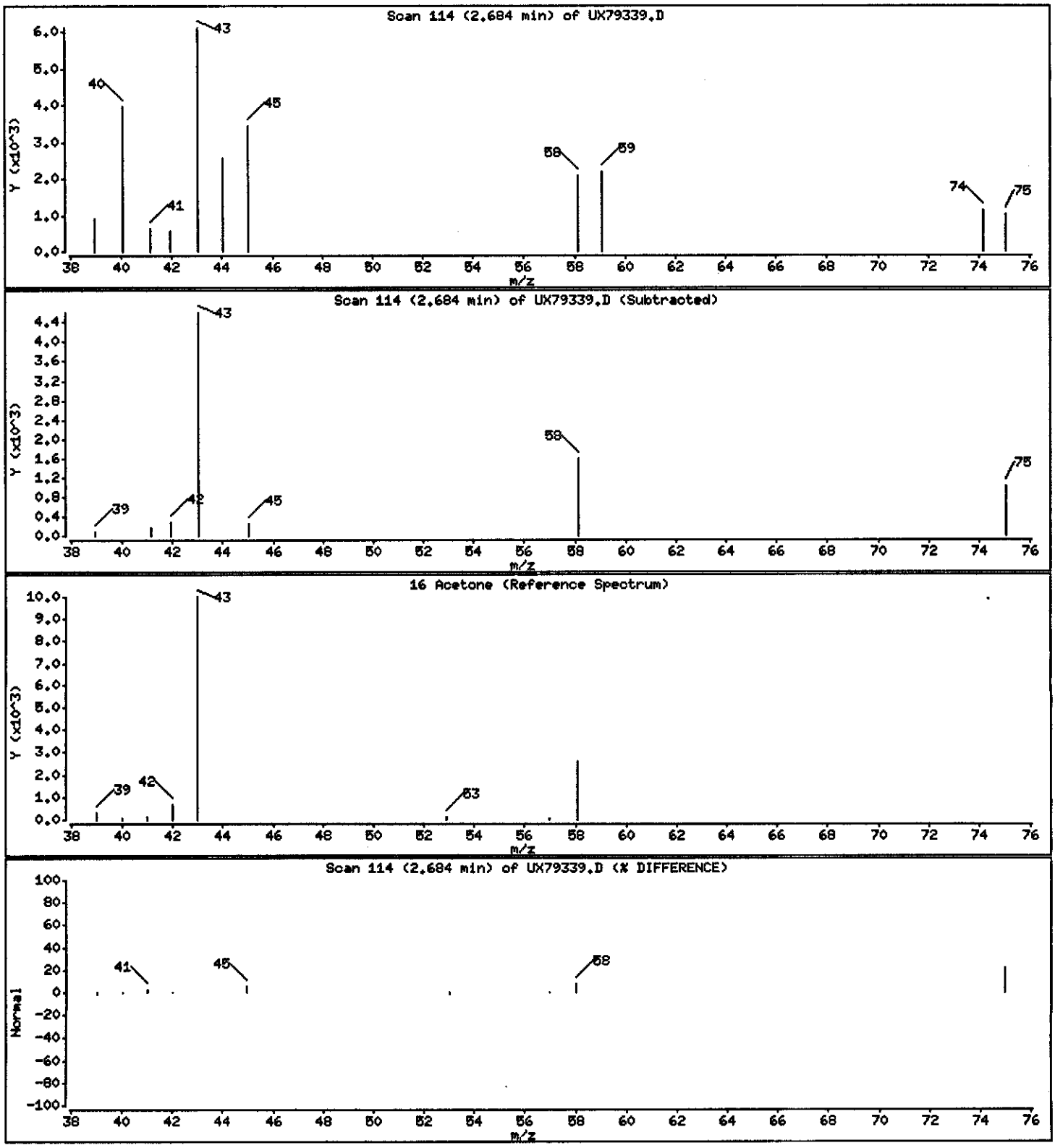
Client ID: MW510A/081704 Instrument: a3ux7.i

Sample Info: GNEJ81AA,2.5ML/5ML

Purge Volume: 2.5 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 1.081 ug/L



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Date : 27-AUG-2004 22:49

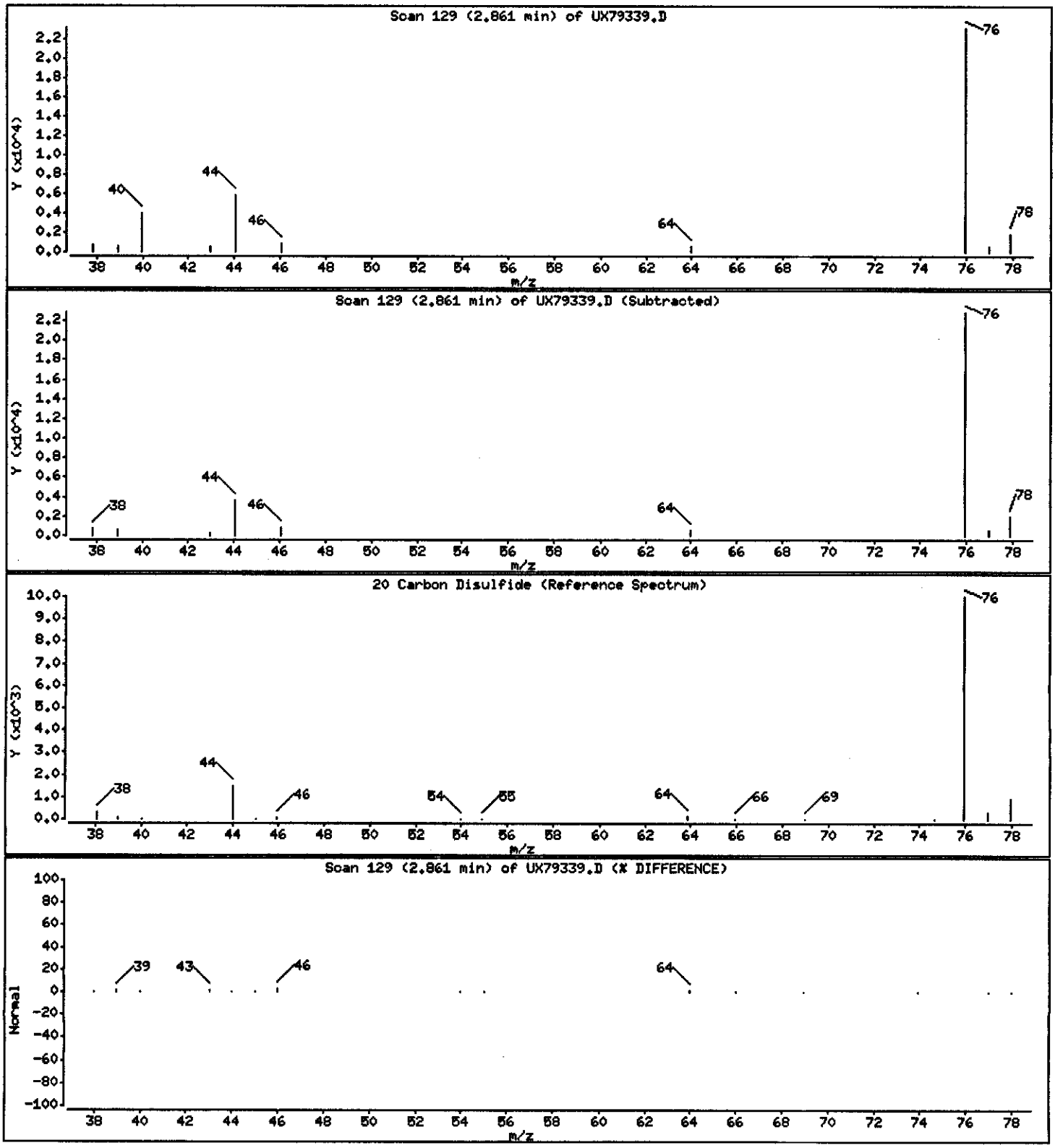
Client ID: MW510A/081704 Instrument: a3ux7.i

Sample Info: GNEJ81AA,2.5ML/5ML

Purge Volume: 2.5 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

20 Carbon Disulfide Concentration: 1.967 ug/L



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Date : 27-AUG-2004 22:49

Client ID: MW510A/081704

Instrument: a3ux7.i

Sample Info: GNEJ81AA,2.5ML/5ML

Purge Volume: 2.5

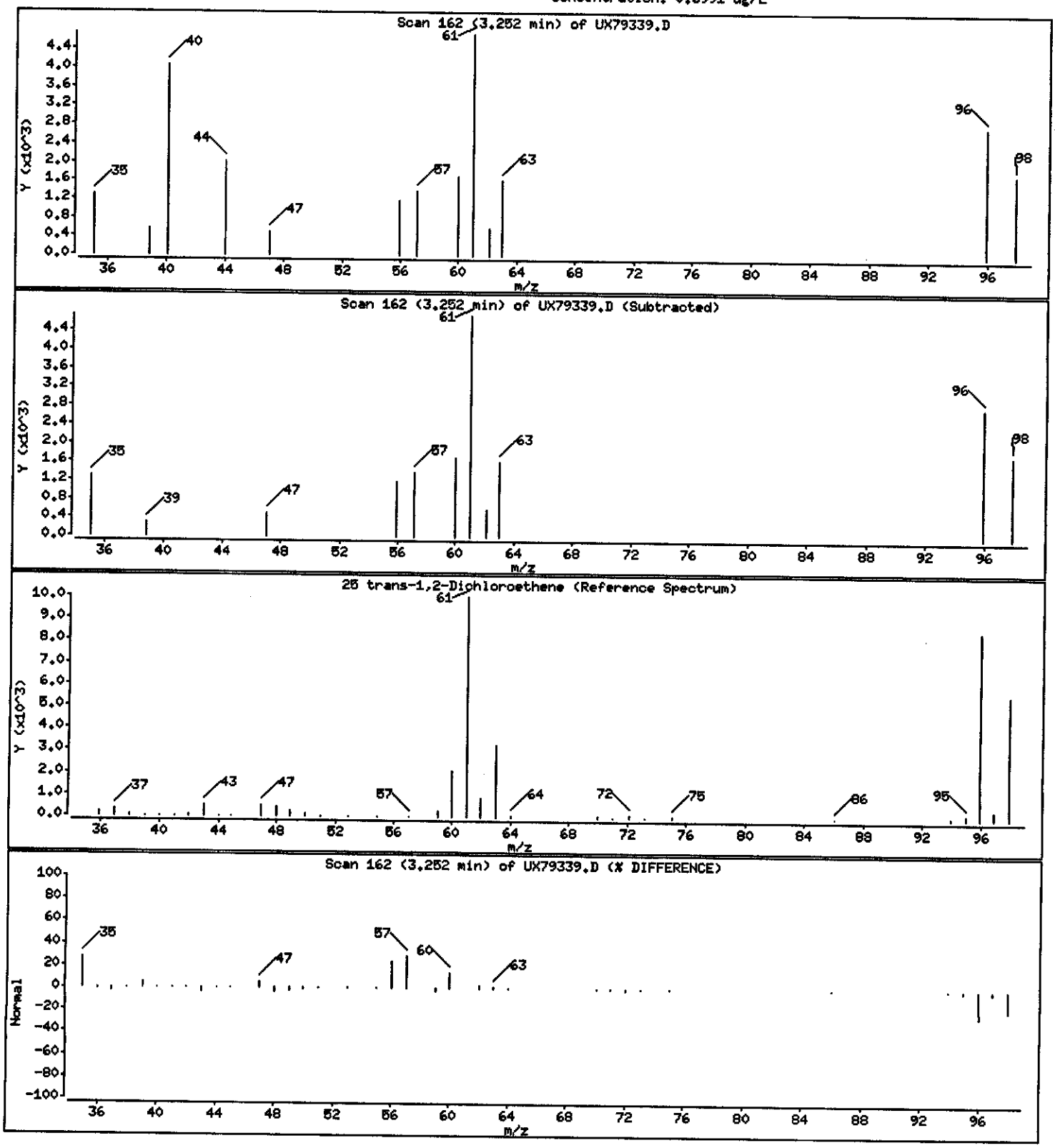
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

25 trans-1,2-Dichloroethene

Concentration: 0.6991 ug/L



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Date : 27-AUG-2004 22:49

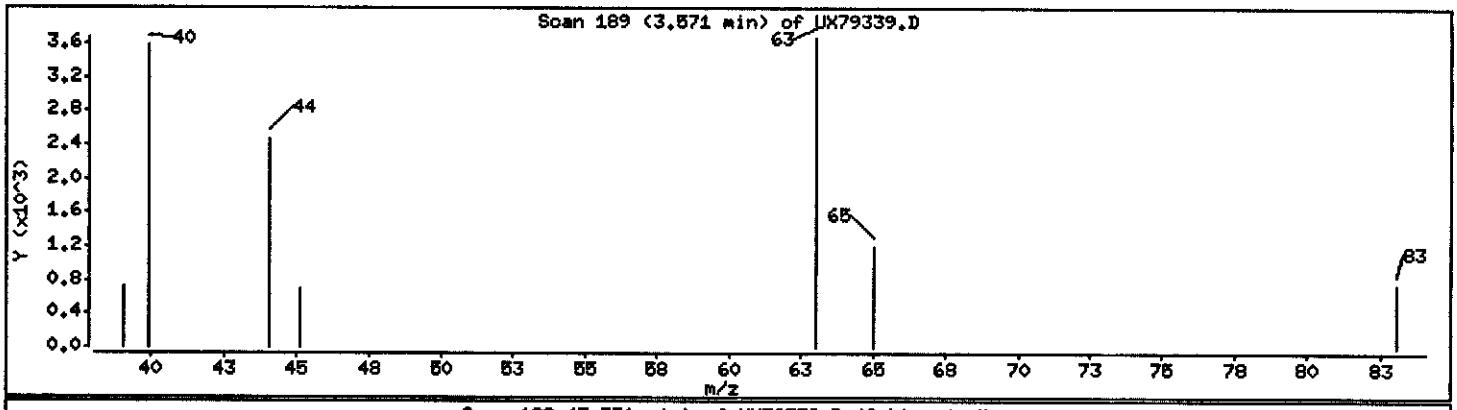
Client ID: MW510A/081704 Instrument: a3ux7.i

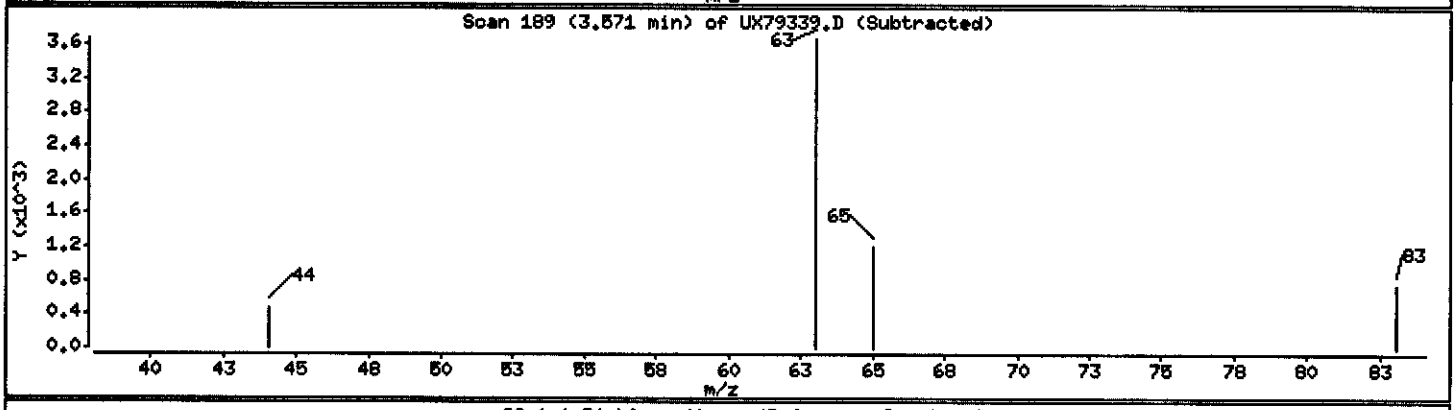
Sample Info: GNEJ81AA,2.5ML/5ML

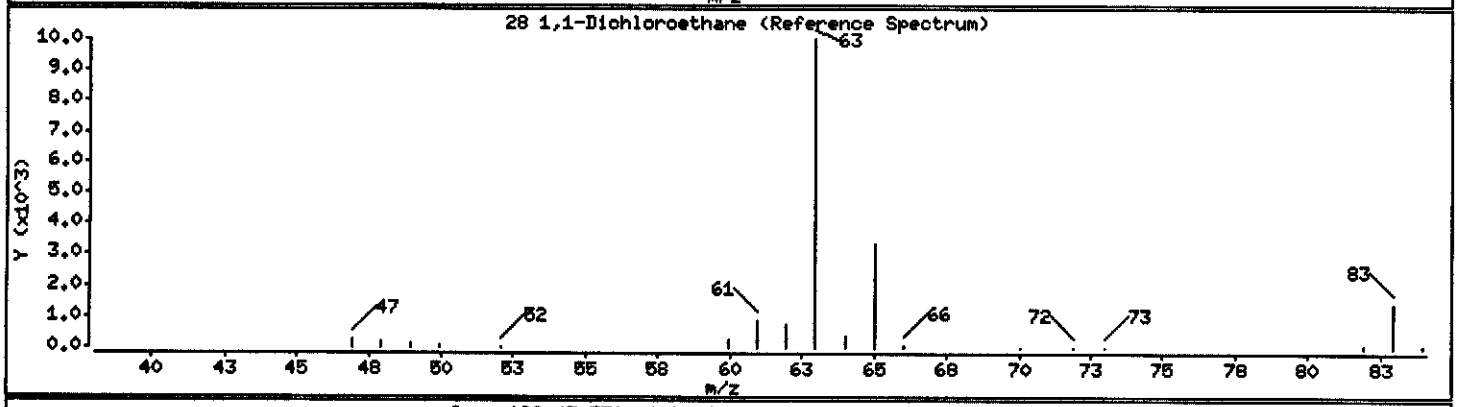
Purge Volume: 2.5 Operator: 1754

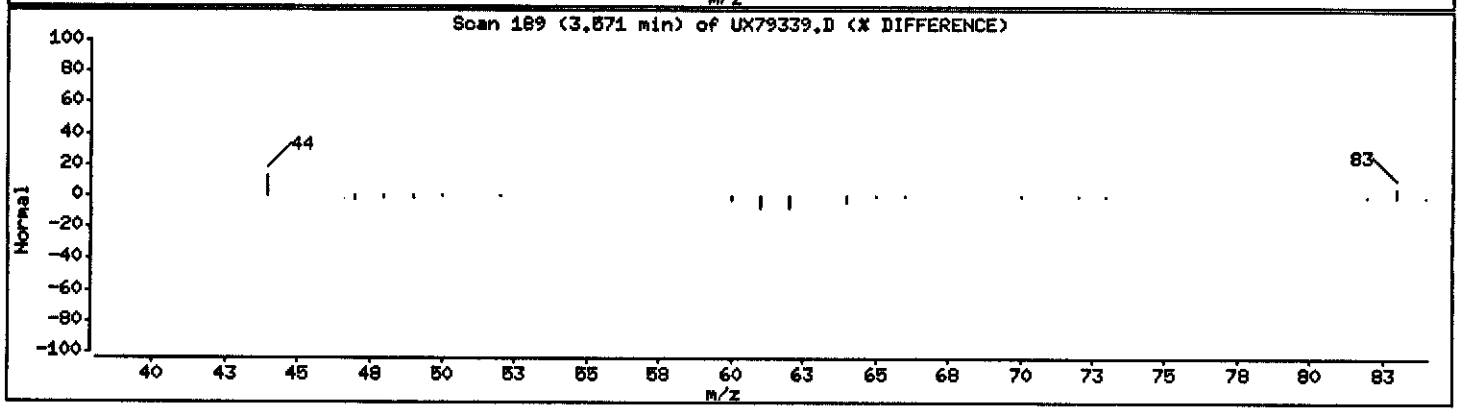
Column phase: DB624 20m Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 0.4330 ug/L









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Date : 27-AUG-2004 22:49

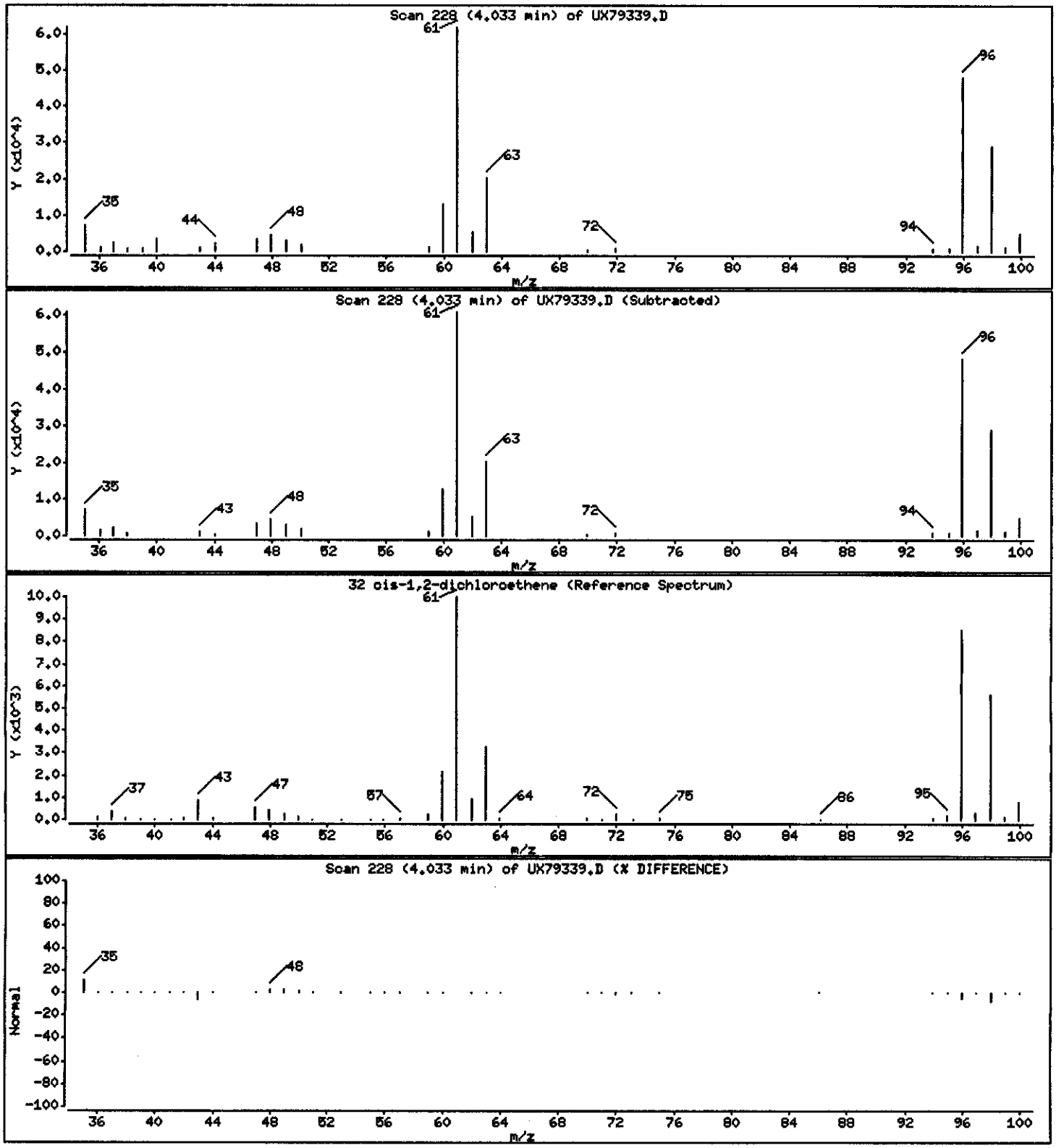
Client ID: MW510A/081704 Instrument: a3ux7.i

Sample Info: GNEJ81AA,2.5ML/5ML

Purge Volume: 2.5 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 9.446 ug/L



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Date : 27-AUG-2004 22:49

Client ID: MW510A/081704

Instrument: a3ux7.i

Sample Info: GNEJ81AA,2.5ML/5ML

Purge Volume: 2.5

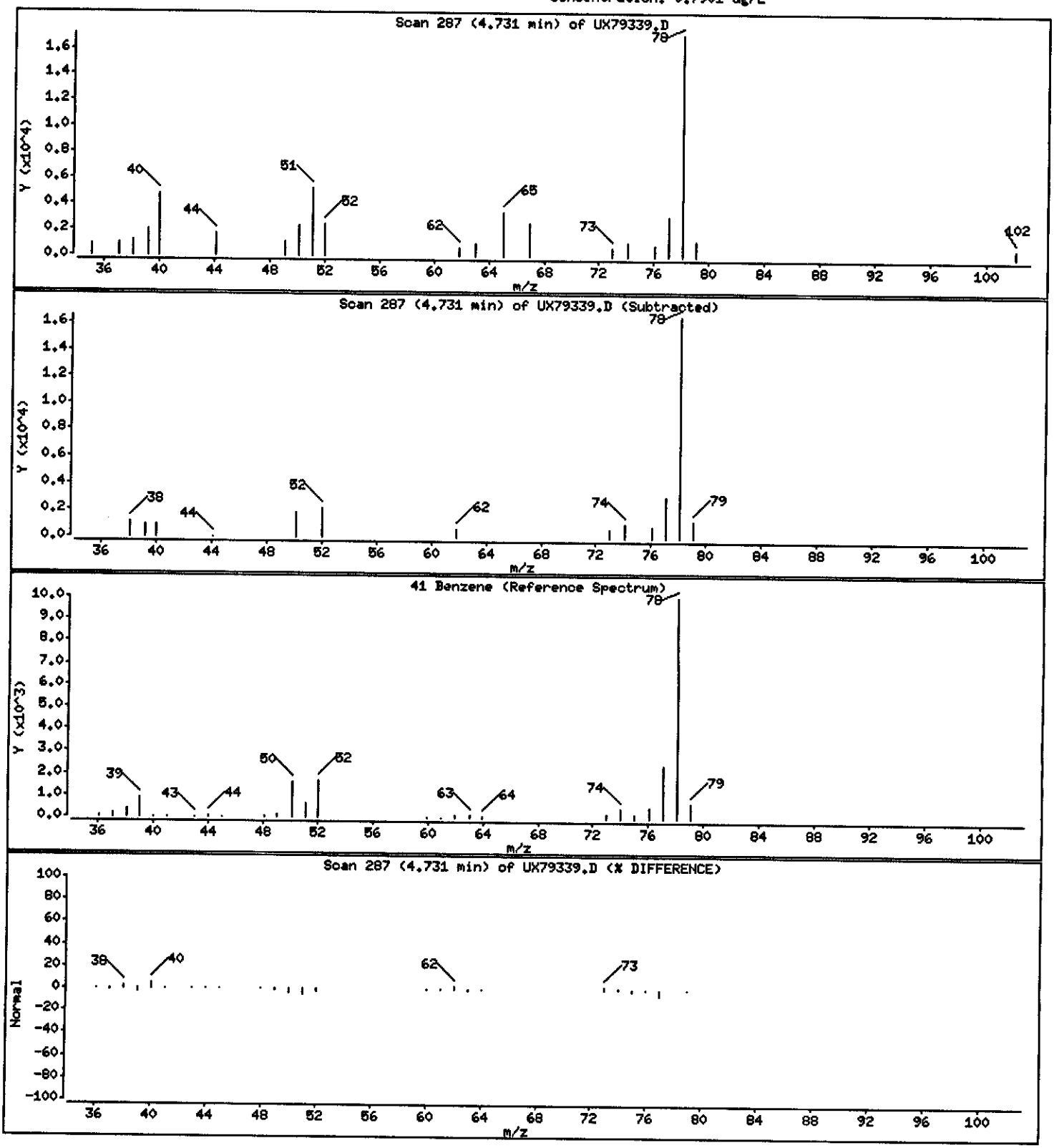
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

41 Benzene

Concentration: 0.7901 ug/L



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Date : 27-AUG-2004 22:49

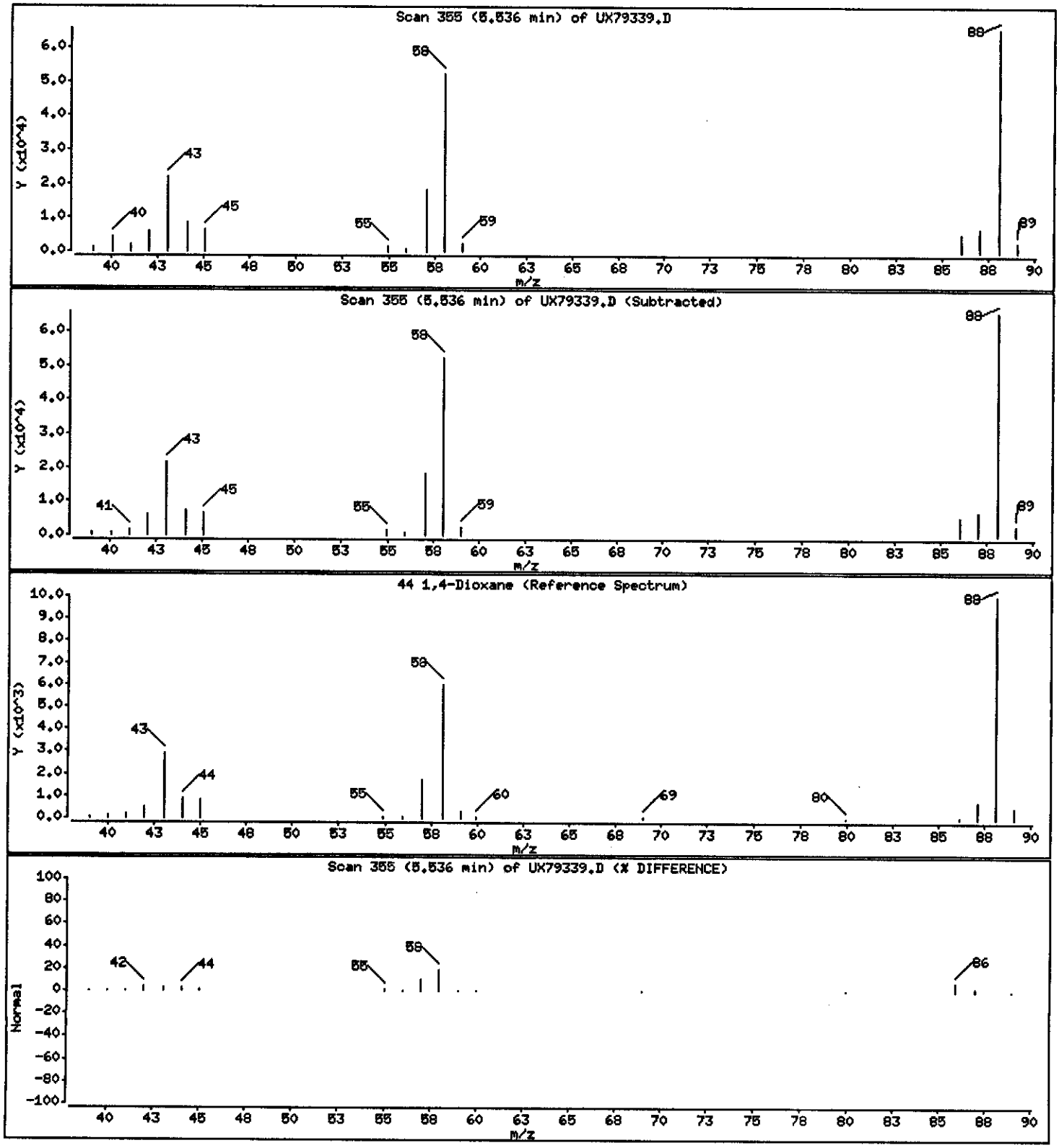
Client ID: MW510A/081704 Instrument: a3ux7.i

Sample Info: GNEJ81AA,2.5ML/5ML

Purge Volume: 2.5 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 1862.2 ug/L



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Date : 27-AUG-2004 22:49

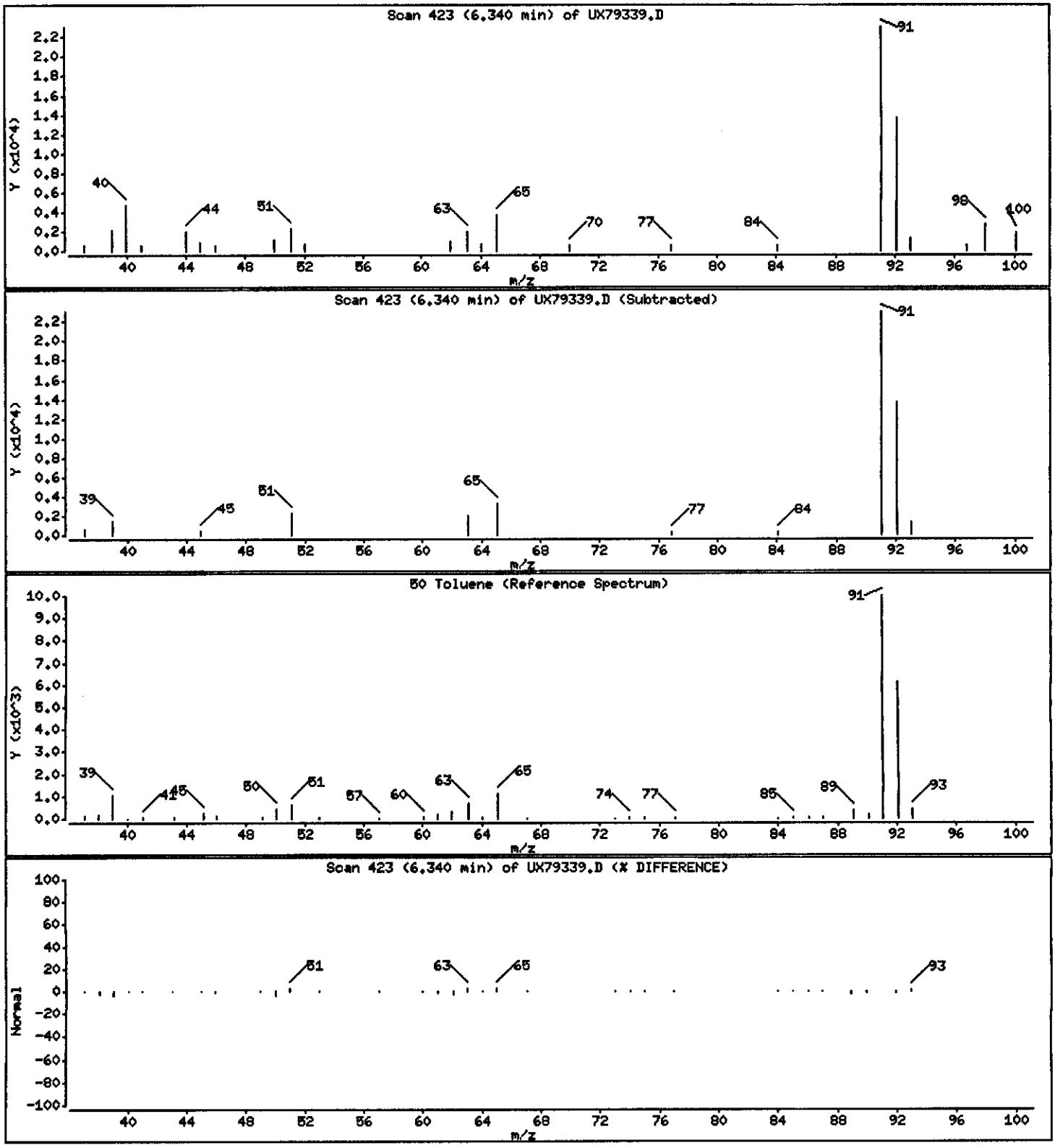
Client ID: MW510A/081704 Instrument: a3ux7.i

Sample Info: GNEJ81AA,2.5ML/5ML

Purge Volume: 2.5 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

50 Toluene Concentration: 0.8905 ug/L



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Date : 27-AUG-2004 22:49

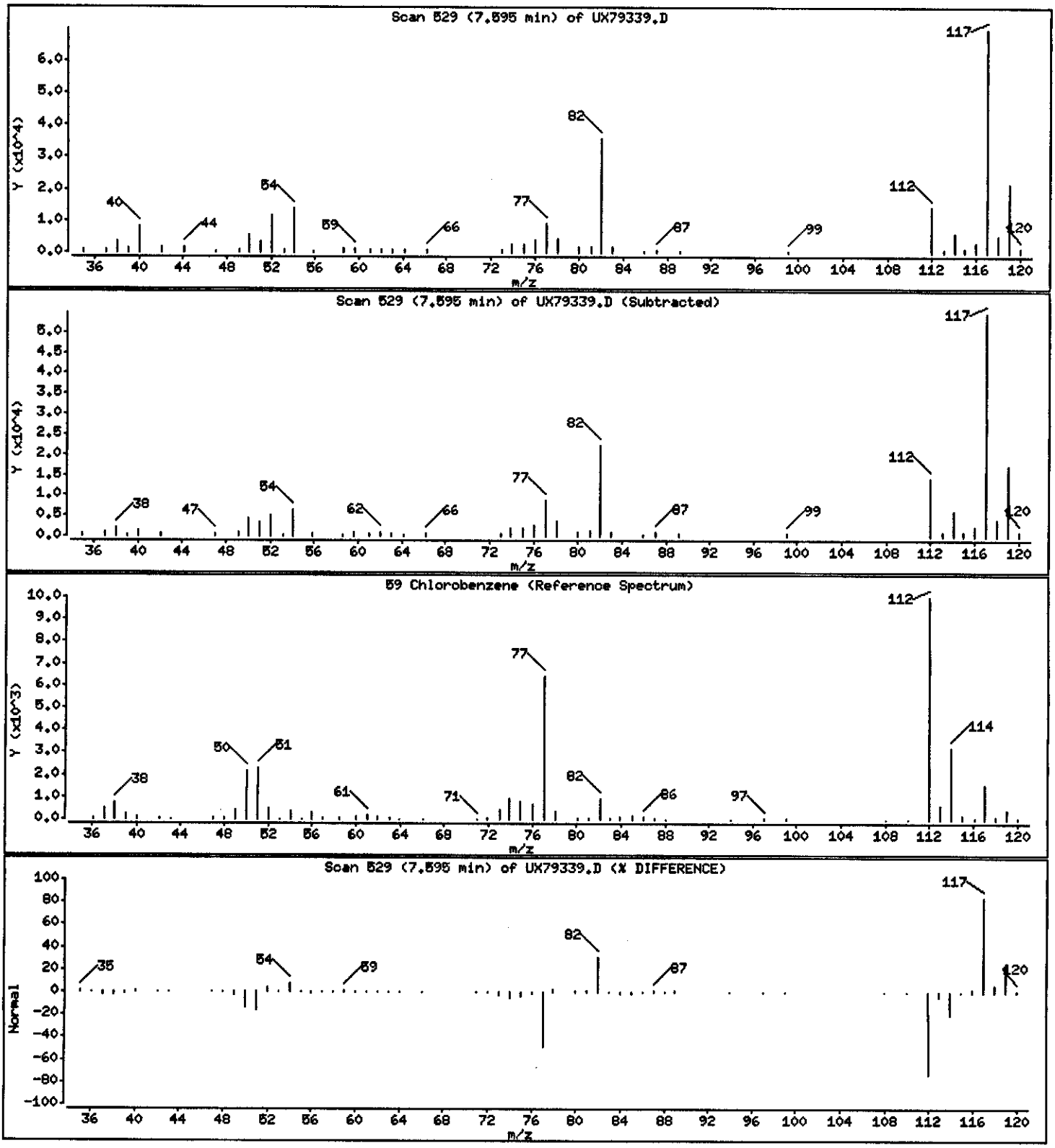
Client ID: MW510A/081704 Instrument: a3ux7.i

Sample Info: GNEJ81AA,2.5ML/5ML

Purge Volume: 2.5 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

59 Chlorobenzene Concentration: 0.9381 ug/L



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Date : 27-AUG-2004 22:49

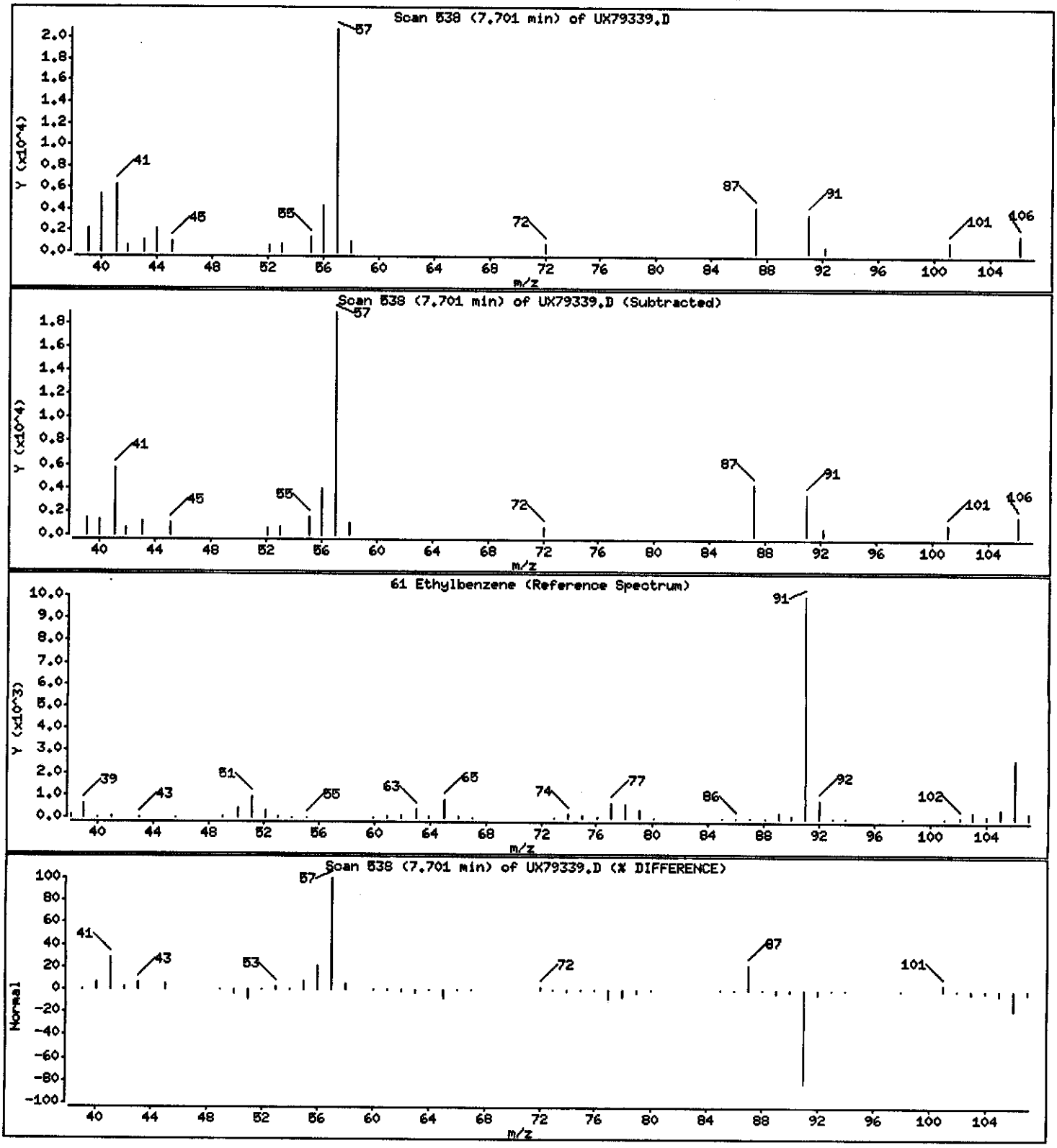
Client ID: MW510A/081704 Instrument: a3ux7.i

Sample Info: GNEJ81AA,2.5ML/5ML

Purge Volume: 2.5 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

61 Ethylbenzene Concentration: 1.645 ug/L



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Date : 27-AUG-2004 22:49

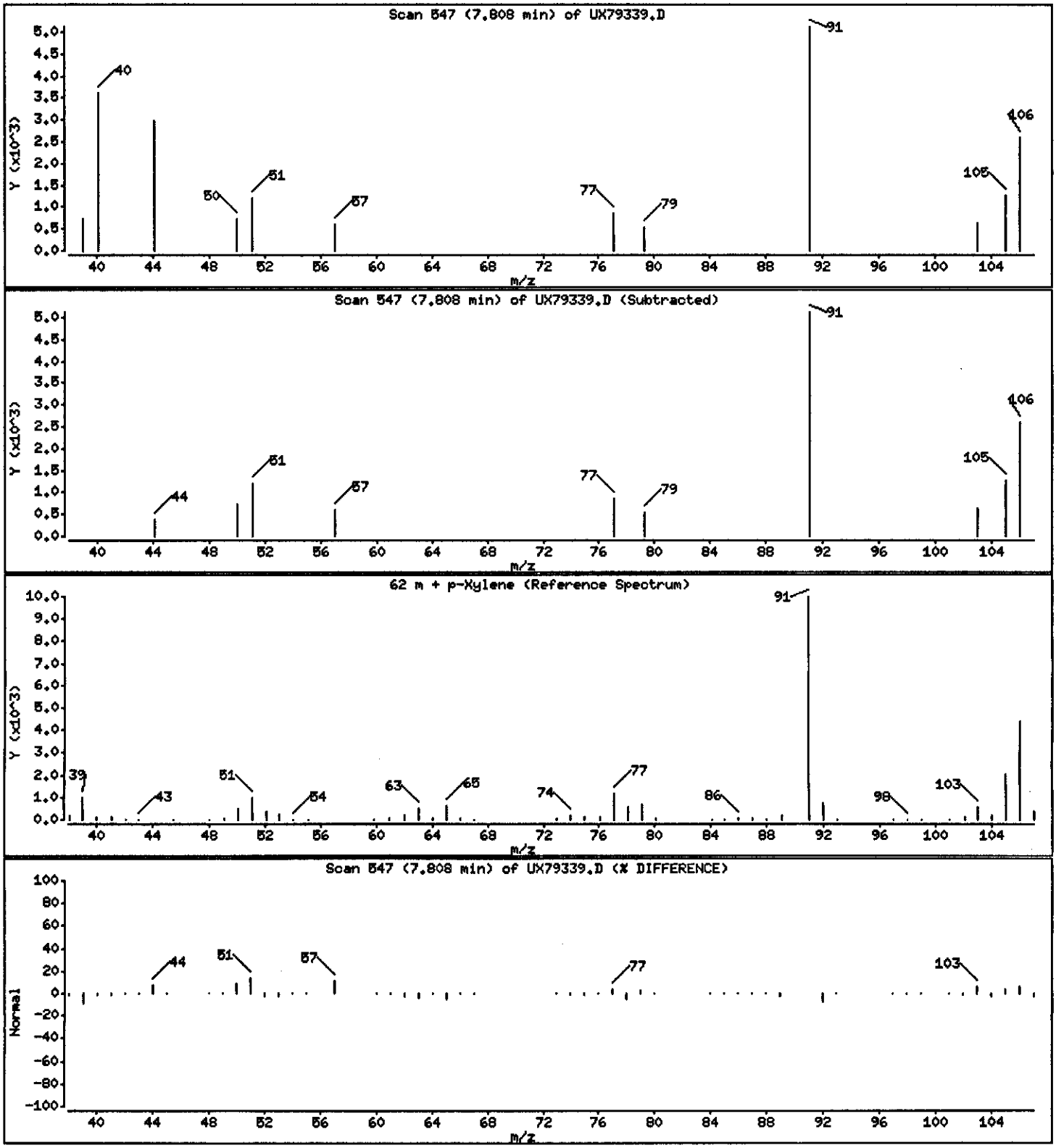
Client ID: MW510A/081704 Instrument: a3ux7.i

Sample Info: GNEJ81AA,2.5ML/5ML

Purge Volume: 2.5 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

62 m + p-Xylene Concentration: 3.205 ug/L



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Date : 27-AUG-2004 22:49

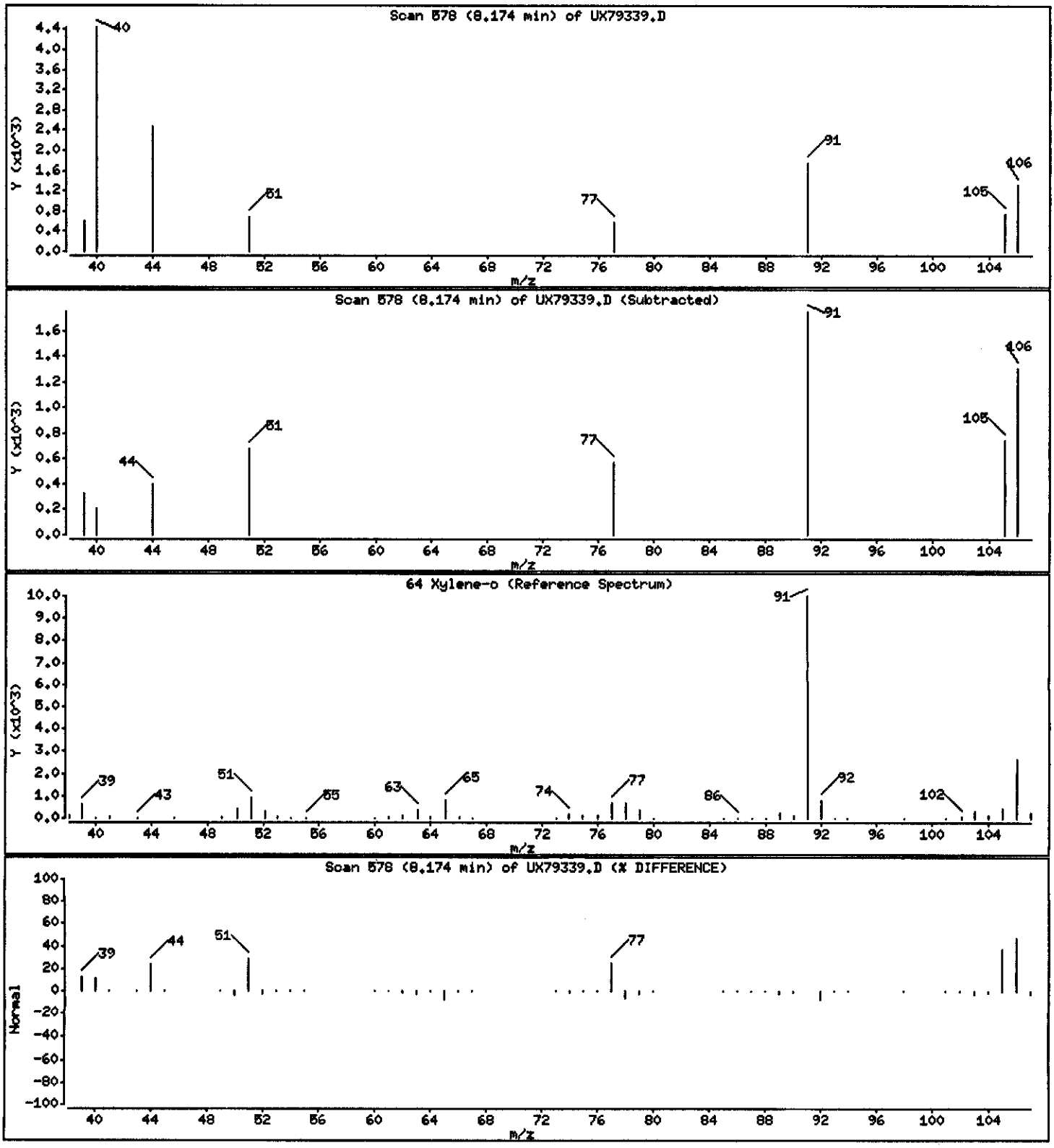
Client ID: MW510A/081704 Instrument: a3ux7.i

Sample Info: GNEJ81AA,2.5ML/5ML

Purge Volume: 2.5 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

64 Xylene-o Concentration: 1.604 ug/L



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Date : 27-AUG-2004 22:49

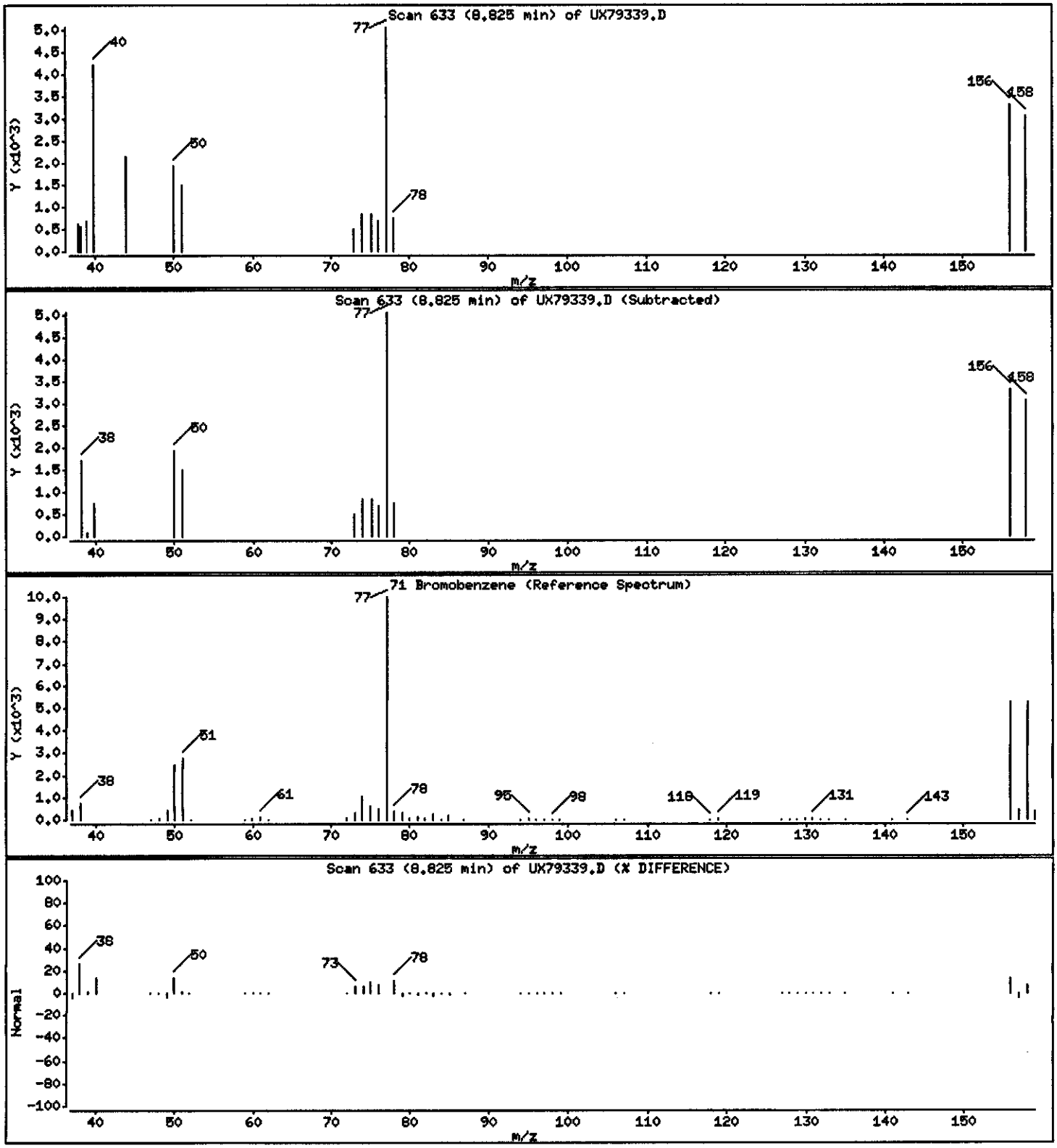
Client ID: MW510A/081704 Instrument: a3ux7.i

Sample Info: GNEJ81AA,2.5ML/5ML

Purge Volume: 2.5 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

71 Bromobenzene Concentration: 0.6954 ug/L



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Date : 27-AUG-2004 22:49

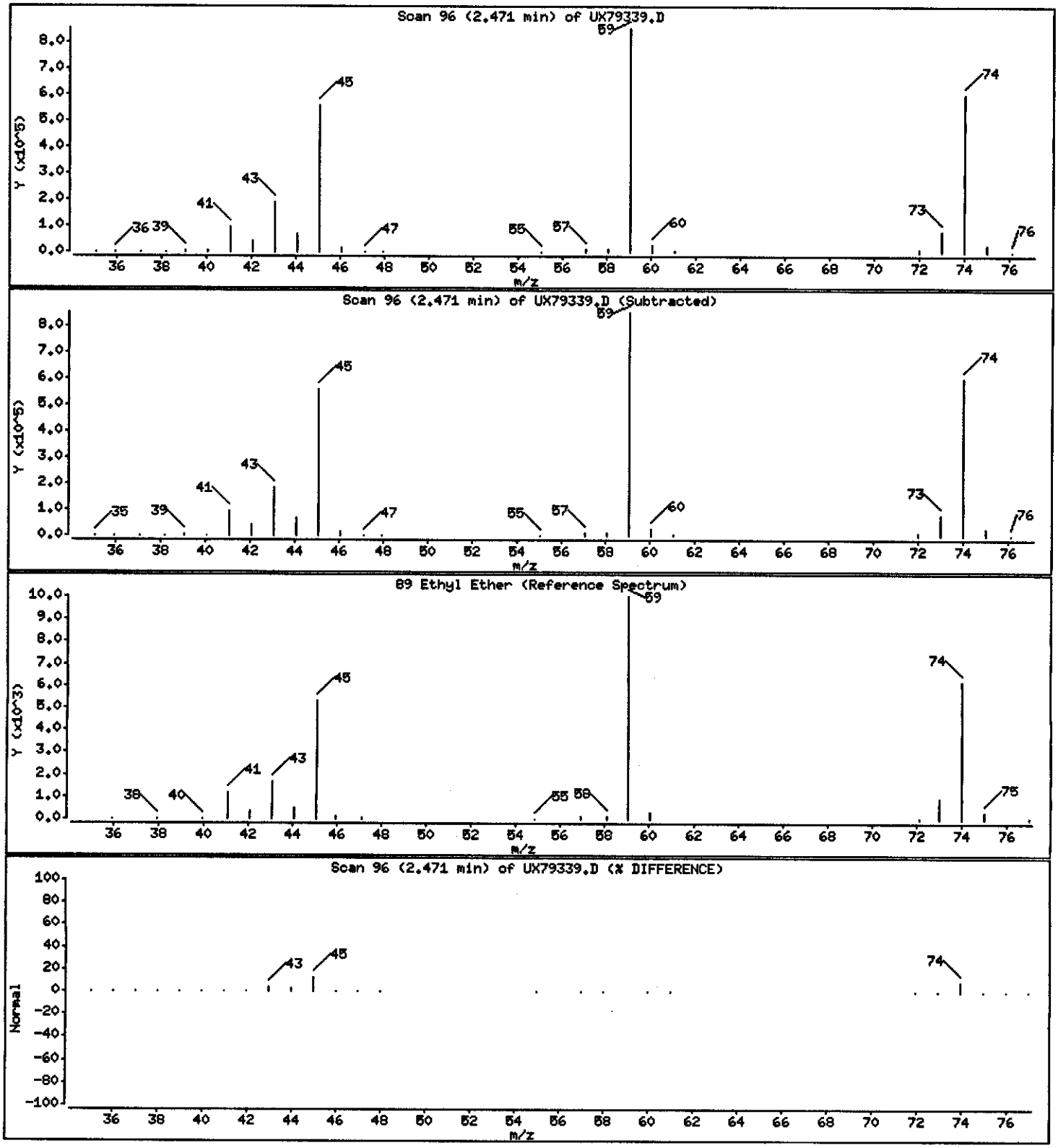
Client ID: MW510A/081704 Instrument: a3ux7.i

Sample Info: GNEJ81AA,2.5ML/5ML

Purge Volume: 2.5 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

89 Ethyl Ether Concentration: 230.65 ug/L



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Date : 27-AUG-2004 22:49

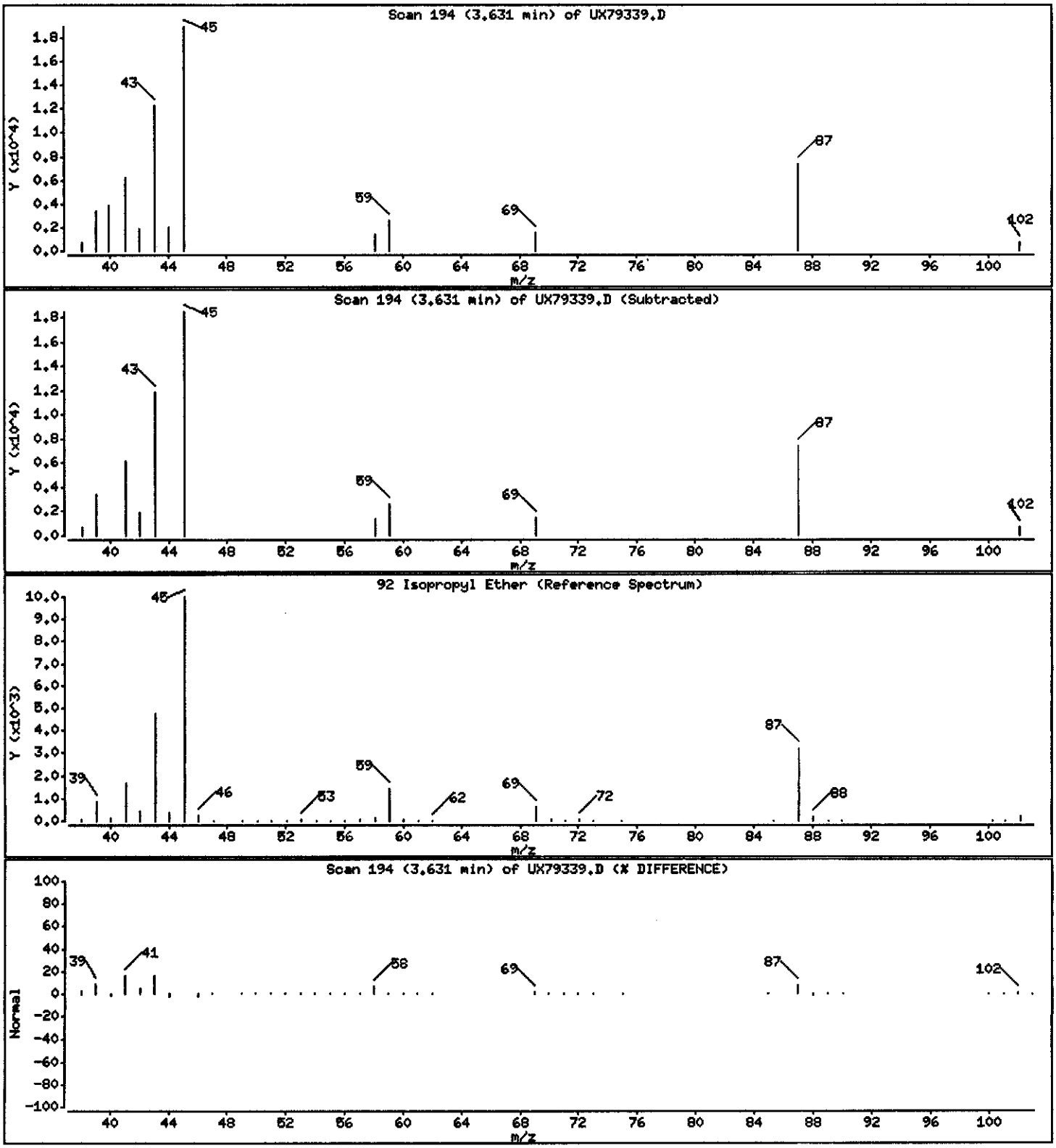
Client ID: MW510A/081704 Instrument: a3ux7.i

Sample Info: GNEJ81AA,2.5ML/5ML

Purge Volume: 2.5 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

92 Isopropyl Ether Concentration: 1.808 ug/L



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Date : 27-AUG-2004 22:49

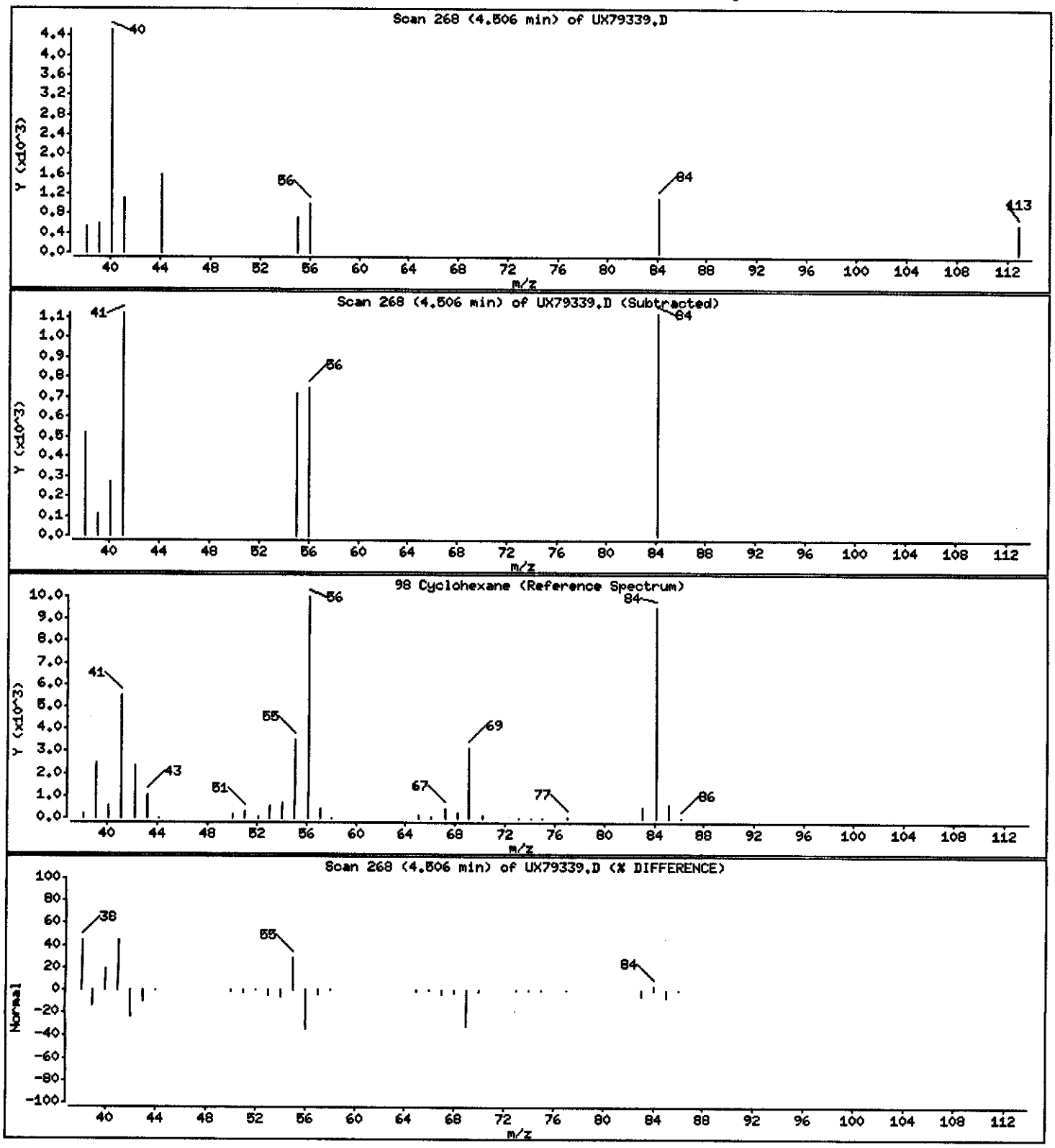
Client ID: MW510A/081704 Instrument: a3ux7.i

Sample Info: GNEJ81AA,2.5ML/5ML

Purge Volume: 2.5 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

98 Cyclohexane Concentration: 1.557 ug/L



PAYNE FIRM INC.

Client Sample ID: MW510B/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-015 **Work Order #...:** GNEJ91AA **Matrix.....:** WG
Date Sampled...: 08/17/04 14:46 **Date Received..:** 08/18/04
Prep Date.....: 08/26/04 **Analysis Date..:** 08/26/04
Prep Batch #...: 4239141
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	**460**	**50**	**ug/L**
Ethylbenzene	**0.77 J**	**1.0**	**ug/L**
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW510B/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-015 **Work Order #...:** GNEJ91AA **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	**0.20 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)	**1.5 J**	**2.0**	**ug/L**

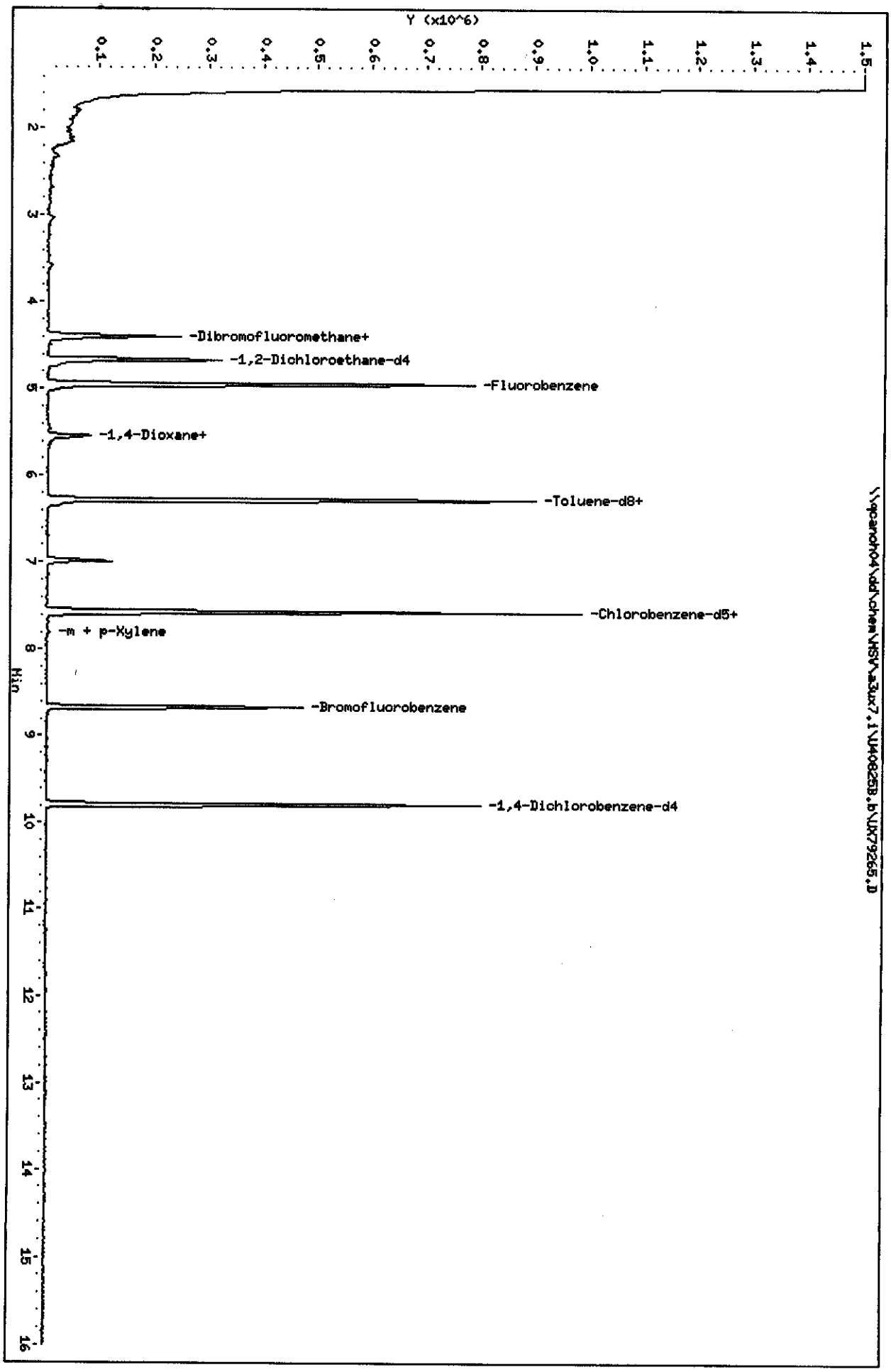
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	91	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\U40825B.b\UX79265.D
Date : 26-AUG-2004 06:29
Client ID: HWE10B/081704
Sample Info: GNEJ91AA,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\U40825B.b\UX79265.D
Report Date: 26-Aug-2004 11:55

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79265.D
Lab Smp Id: GNEJ91AA Client Smp ID: MW510B/081704
Inj Date : 26-AUG-2004 06:29
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNEJ91AA,5ML/5ML
Misc Info : U40825B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m
Meth Date : 26-Aug-2004 11:28 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 54
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)	778840	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	569909	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.791	(1.000)	211249	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.395	(0.888)	179721	51.8396	10.368
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	262532	50.5830	10.117
$ 6 Toluene-d8	98	6.278	6.277	(0.830)	666063	45.3425	9.068
$ 7 Bromofluorobenzene	95	8.668	8.667	(1.145)	185168	39.5326	7.906
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\U40825B.b\UX79265.D
Report Date: 26-Aug-2004 11:55

	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	5.544	5.543	(1.119)	73949	2285.07	457.01(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	6.336	(0.837)	19183	1.00246	0.2005
	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	7.686	7.697	(1.016)	385	3.85584	0.7712
	62 m + p-Xylene	106	7.804	7.803	(1.031)	1995	7.57142	1.514
M	63 Xylenes (total)	106				1995	7.57142	1.514
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79265.D
Report Date: 26-Aug-2004 11:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.515	4.502	(0.912)	1103	3.83420	0.7668(a)
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.437	5.437	(1.098)	2011	4.57972	0.9159
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\U40825B.b\UX79265.D

Date : 26-AUG-2004 06:29

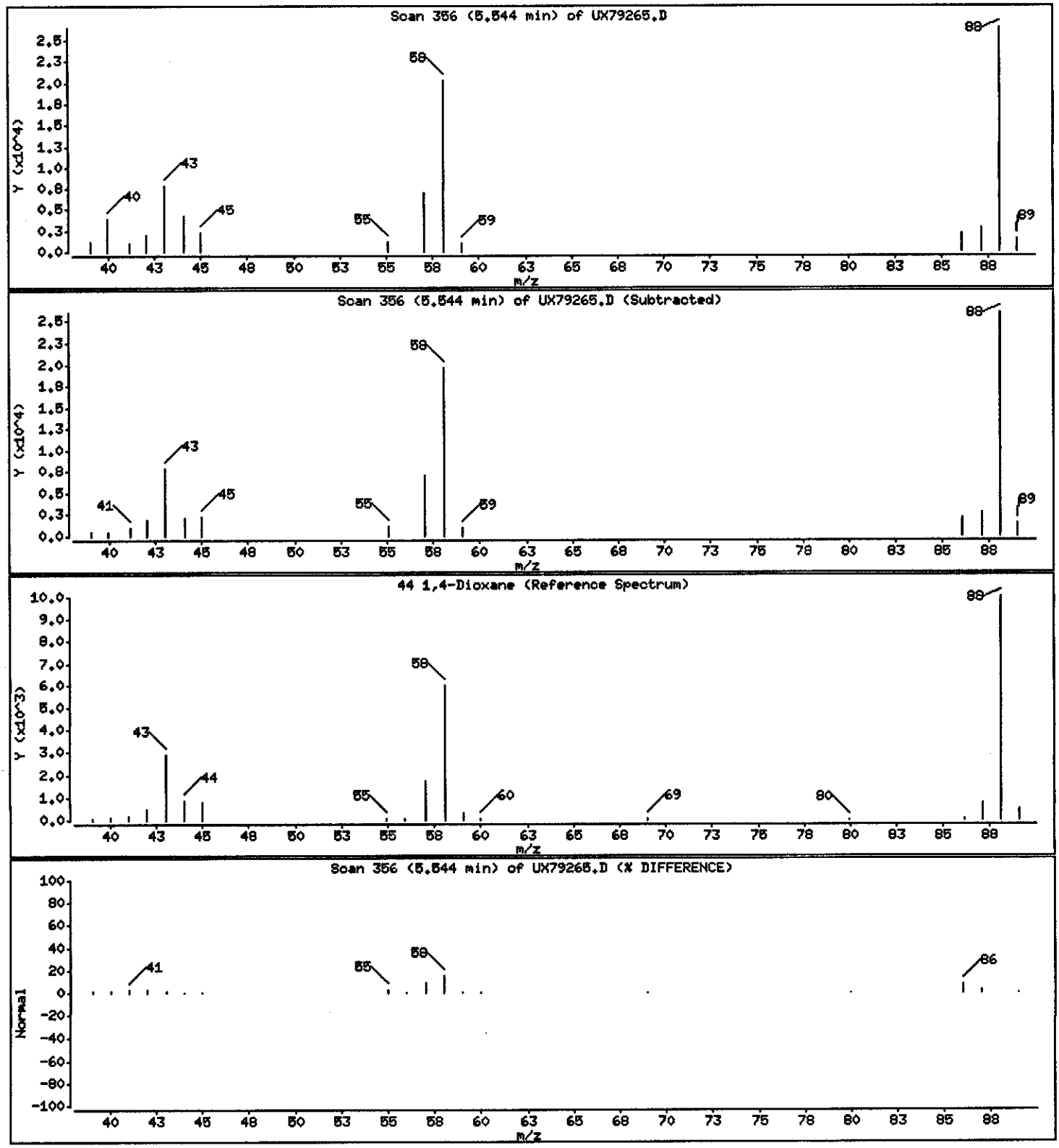
Client ID: MW510B/081704 Instrument: a3ux7.i

Sample Info: GNEJ91AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 457.01 ug/L



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Date : 26-AUG-2004 06:29

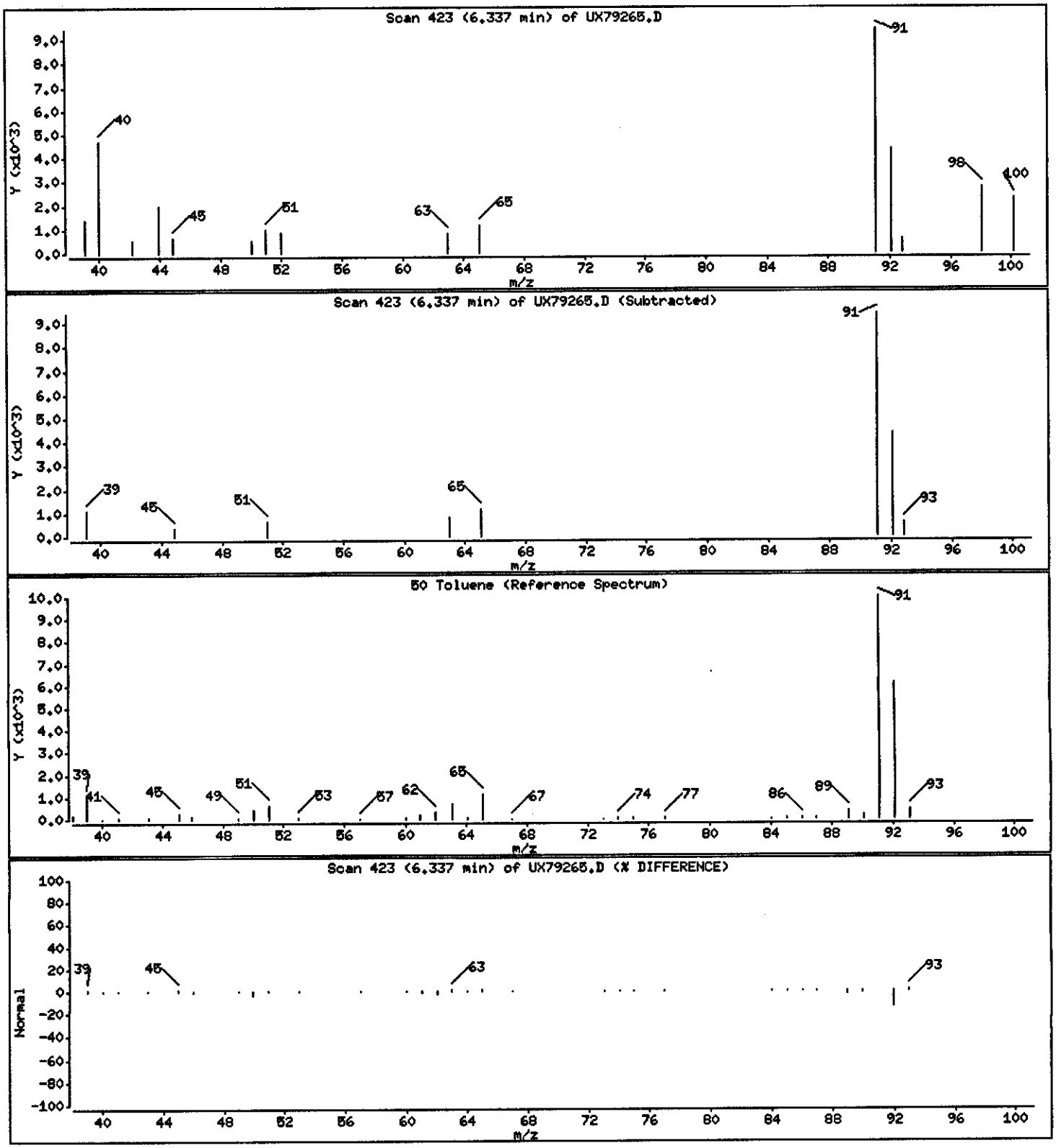
Client ID: MW510B/081704 Instrument: a3ux7.i

Sample Info: GNEJ91AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

50 Toluene Concentration: 0.2005 ug/L



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Date : 26-AUG-2004 06:29

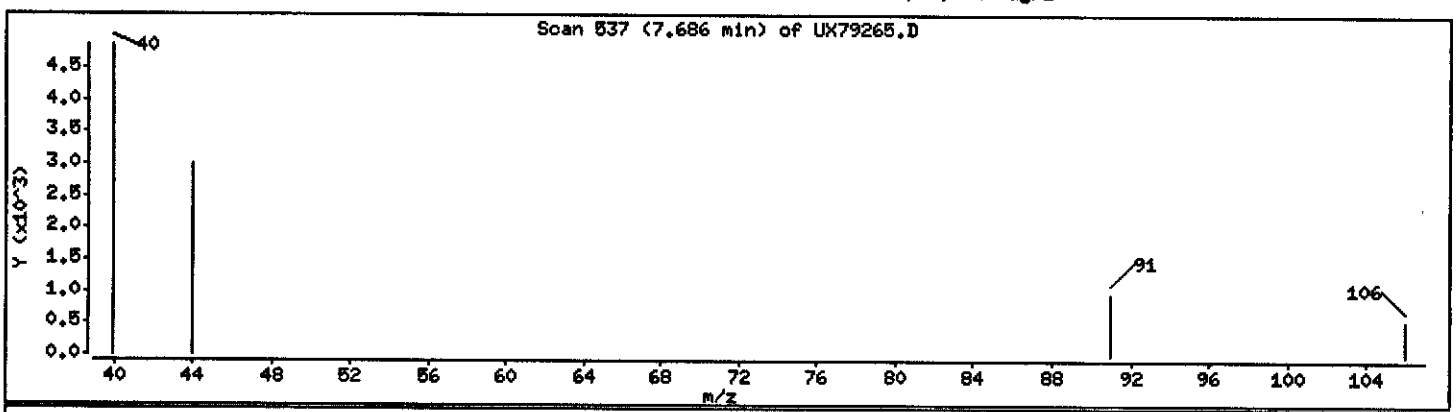
Client ID: MW510B/081704 Instrument: a3ux7.i

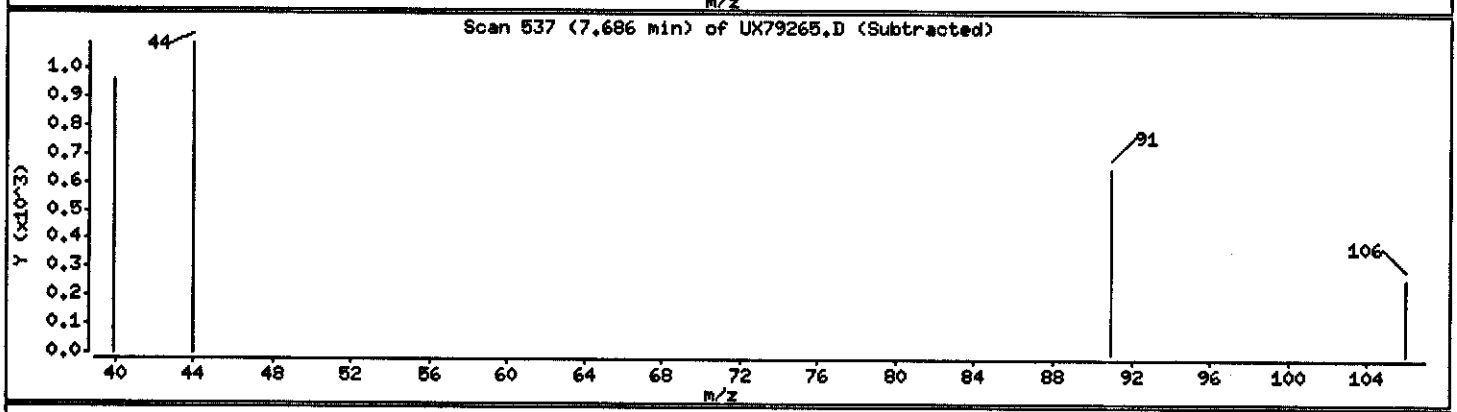
Sample Info: GNEJ91AA,5ML/5ML

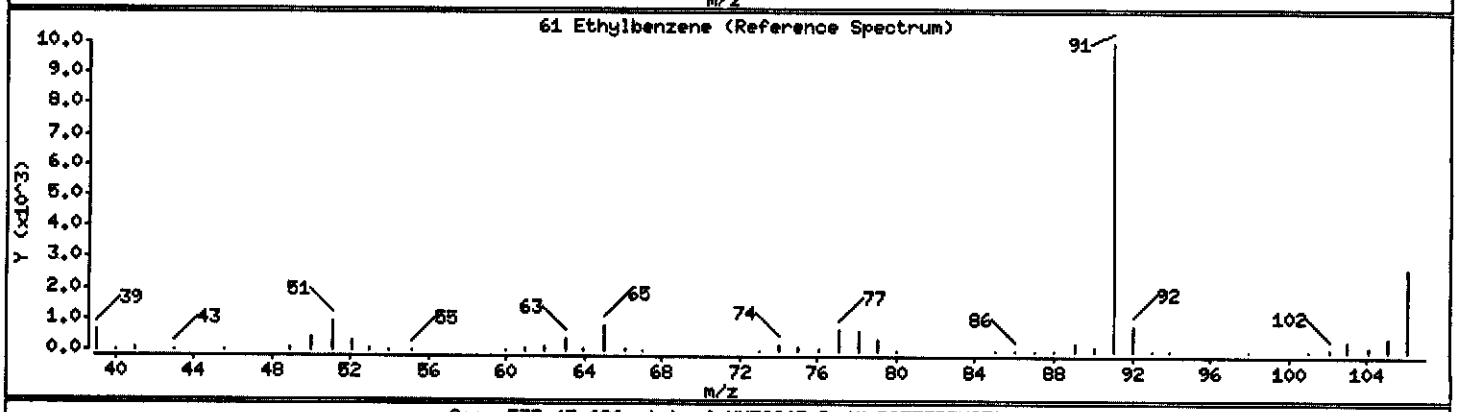
Purge Volume: 5.0 Operator: 1754

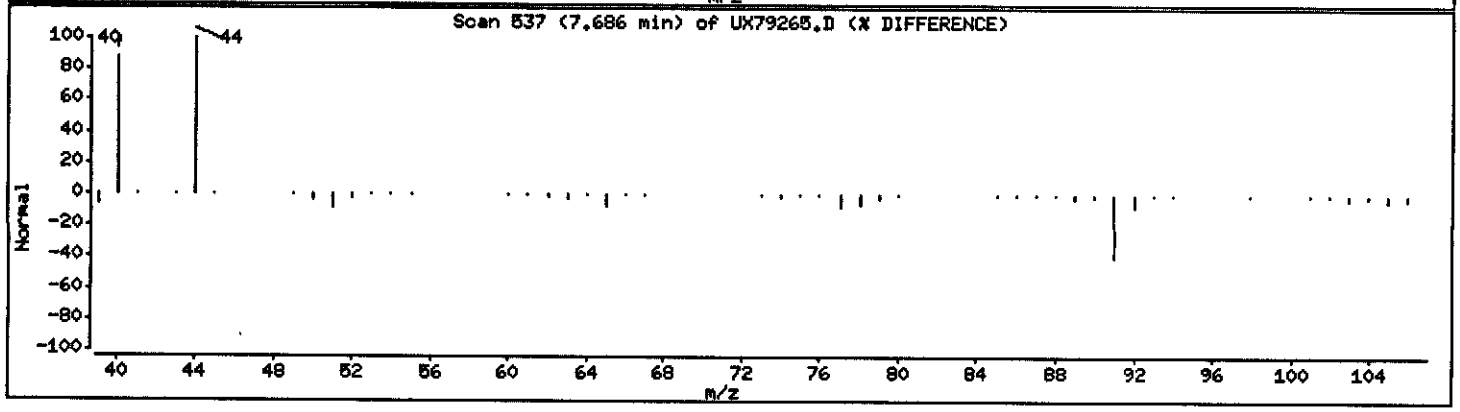
Column phase: DB624 20m Column diameter: 0.18

61 Ethylbenzene Concentration: 0.7712 ug/L









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Date : 26-AUG-2004 06:29

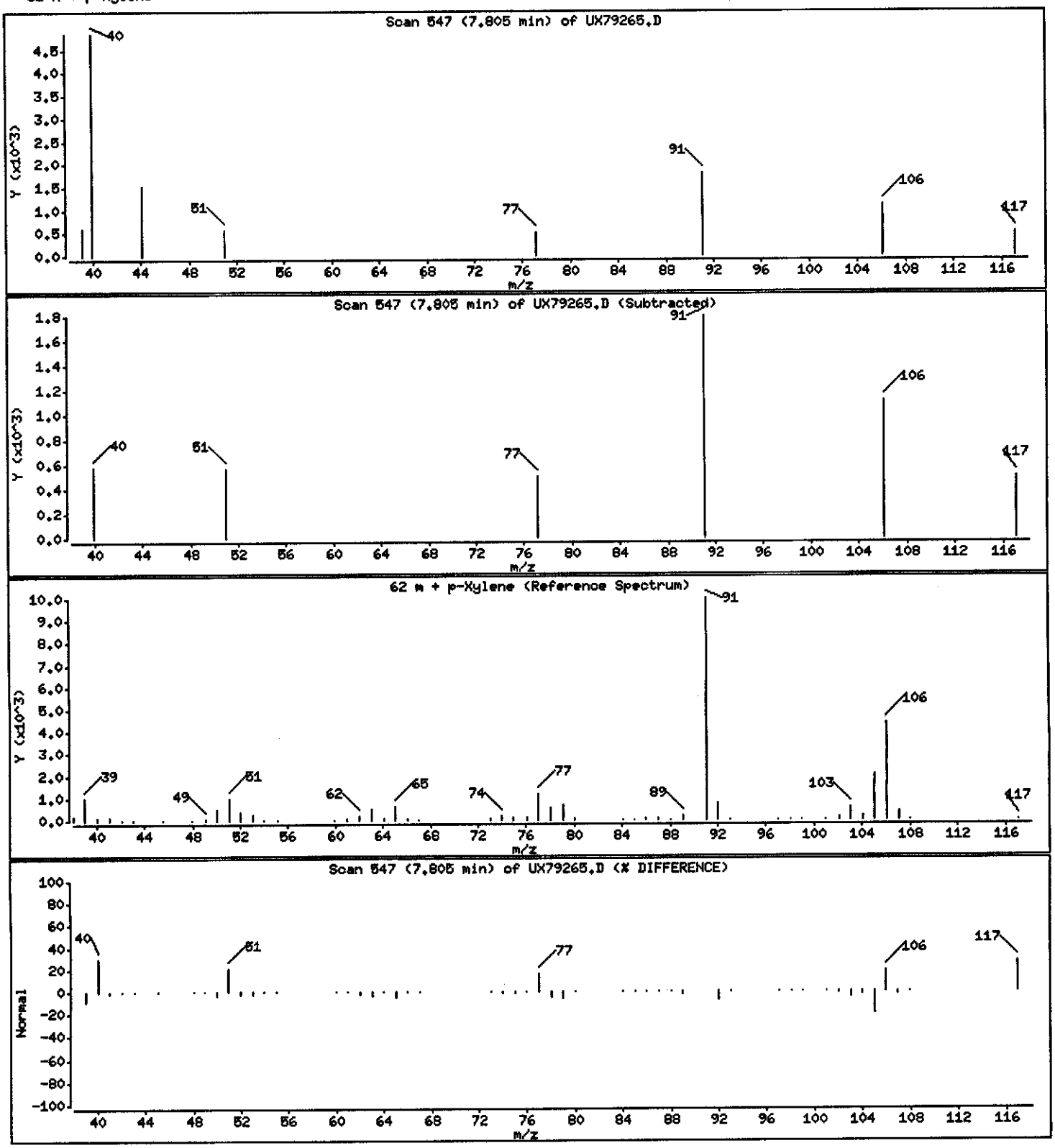
Client ID: MW510B/081704 Instrument: a3ux7.i

Sample Info: GNEJ91AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

62 m + p-Xylene Concentration: 1.514 ug/L



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Date : 26-AUG-2004 06:29

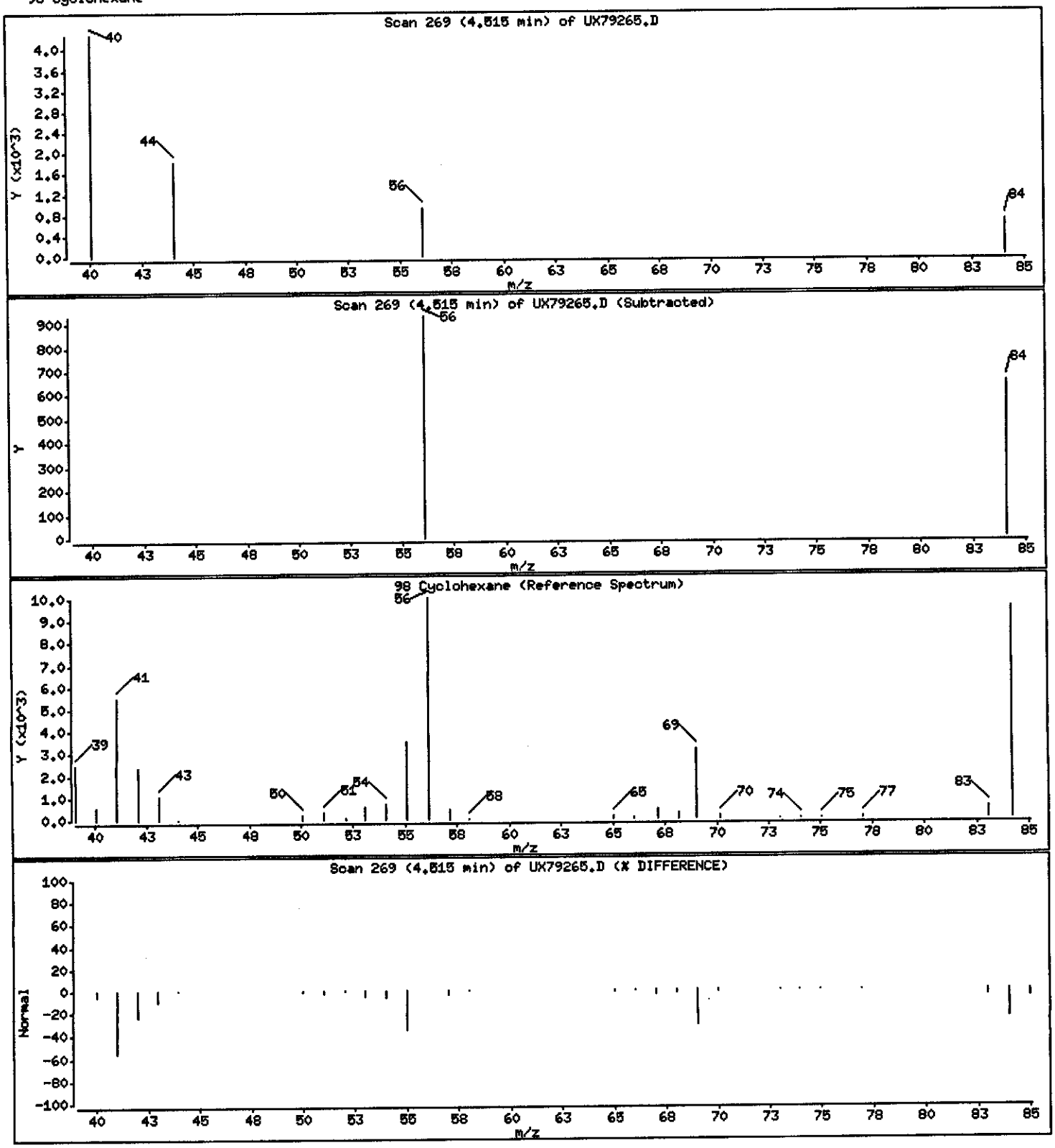
Client ID: MW510B/081704 Instrument: a3ux7.i

Sample Info: GNEJ91AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

98 Cyclohexane Concentration: 0.7668 ug/L



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Date : 26-AUG-2004 06:29

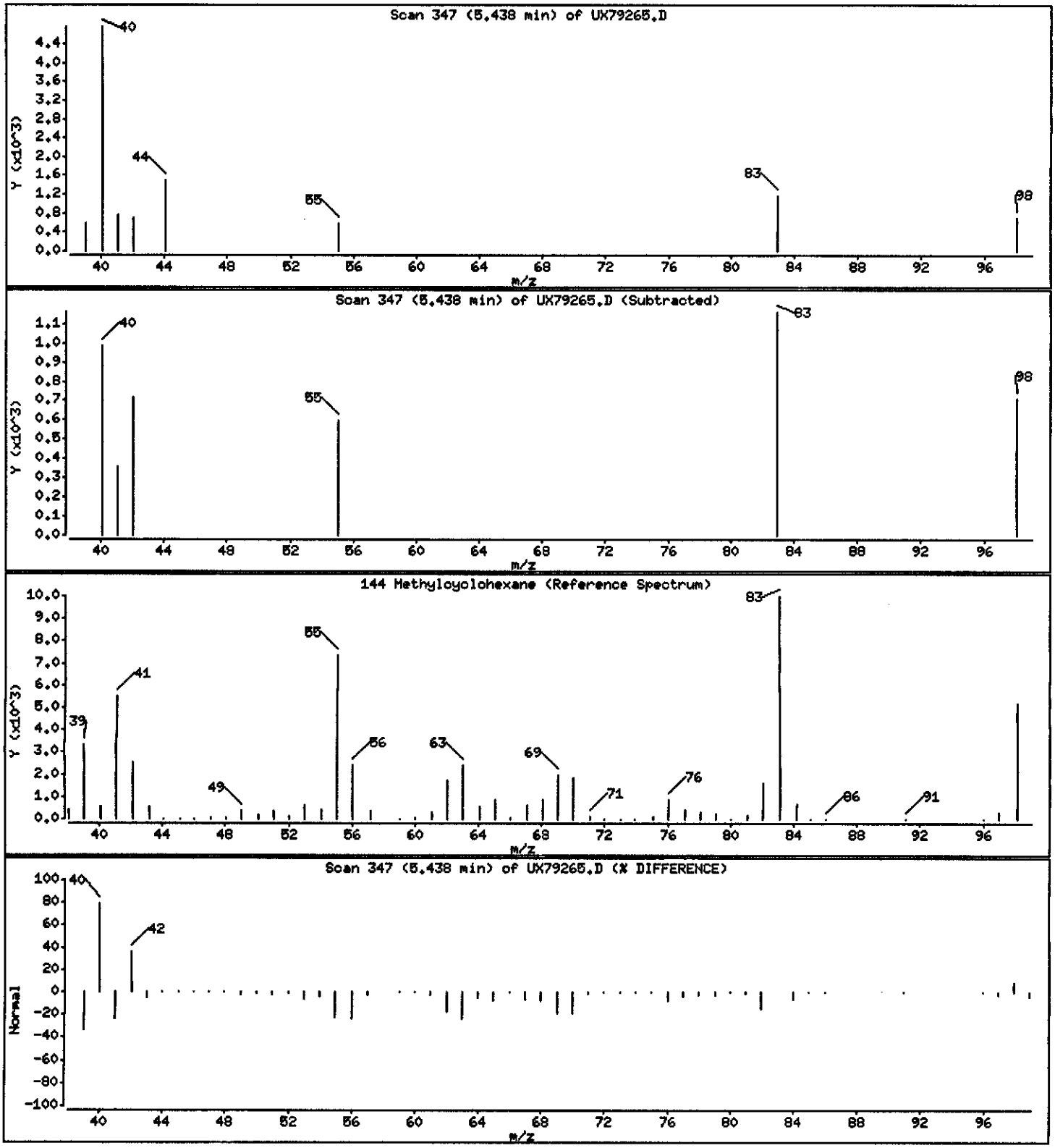
Client ID: MW510B/081704 Instrument: a3ux7.i

Sample Info: GNEJ91AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

144 Methylcyclohexane Concentration: 0.9159 ug/L



PAYNE FIRM INC.

Client Sample ID: FB01/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-016 **Work Order #...:** GNEKA1AA **Matrix.....:** WQ
Date Sampled...: 08/17/04 10:55 **Date Received..:** 08/18/04
Prep Date.....: 08/26/04 **Analysis Date..:** 08/26/04
Prep Batch #...: 4239141
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**2.4**	**1.0**	**ug/L**
Chloromethane	**0.31 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	**35 J**	**50**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: FB01/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-016 **Work Order #...:** GNEKA1AA **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)	**1.5 J**	**2.0**	**ug/L**

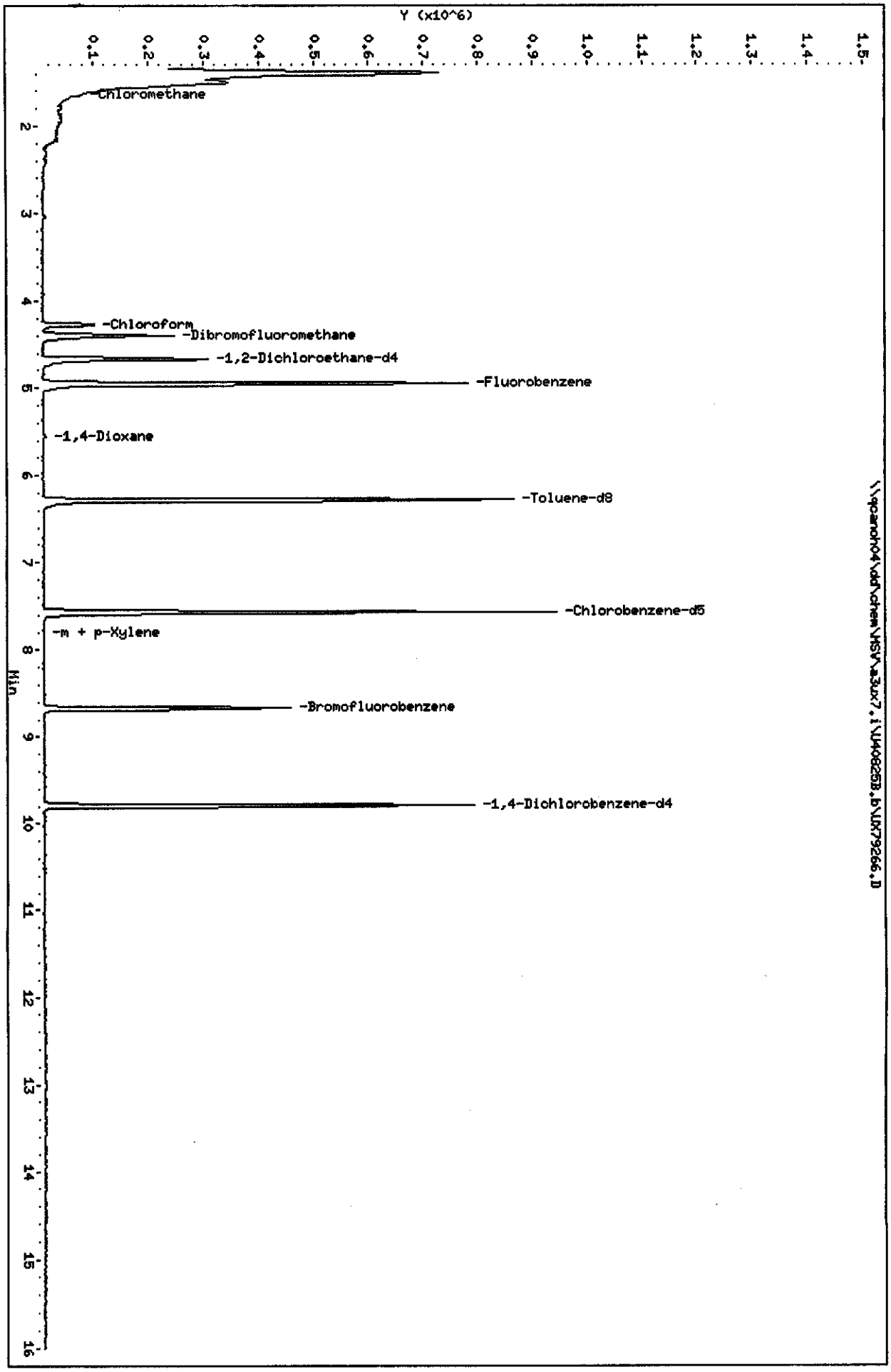
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	88	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U408625B.b\UX79266.D
Date : 26-AUG-2004 06:53
Client ID: FB01/081704
Sample Info: GNEKA1AA,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\U40825B.b\UX79266.D
Report Date: 26-Aug-2004 11:56

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79266.D
Lab Smp Id: GNEKA1AA Client Smp ID: FB01/081704
Inj Date : 26-AUG-2004 06:53
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNEKA1AA,5ML/5ML
Misc Info : U40825B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m
Meth Date : 26-Aug-2004 11:28 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 55
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)	774905	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	569202	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.791	(1.000)	204345	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.395	(0.888)	175410	50.8530	10.171
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	257783	49.9202	9.984
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	645752	44.0144	8.803
$ 7 Bromofluorobenzene	95	8.668	8.667	(1.145)	179828	38.4402	7.688
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.639	1.650	(0.331)	1534	1.55237	0.3105
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\U40825B.b\UX79266.D
Report Date: 26-Aug-2004 11:56

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.278	4.265	(0.864)	90320	11.7589	2.352
	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	5.556	5.543	(1.122)	2519	173.999	34.800
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	7.804	7.803	(1.031)	798	7.43659	1.487
M	63 Xylenes (total)	106				798	7.43659	1.487
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79266.D
Report Date: 26-Aug-2004 11:56

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79266.D

Date : 26-AUG-2004 06:53

Client ID: FB01/081704

Instrument: a3ux7.i

Sample Info: GNEKA1AA,5ML/5ML

Purge Volume: 5.0

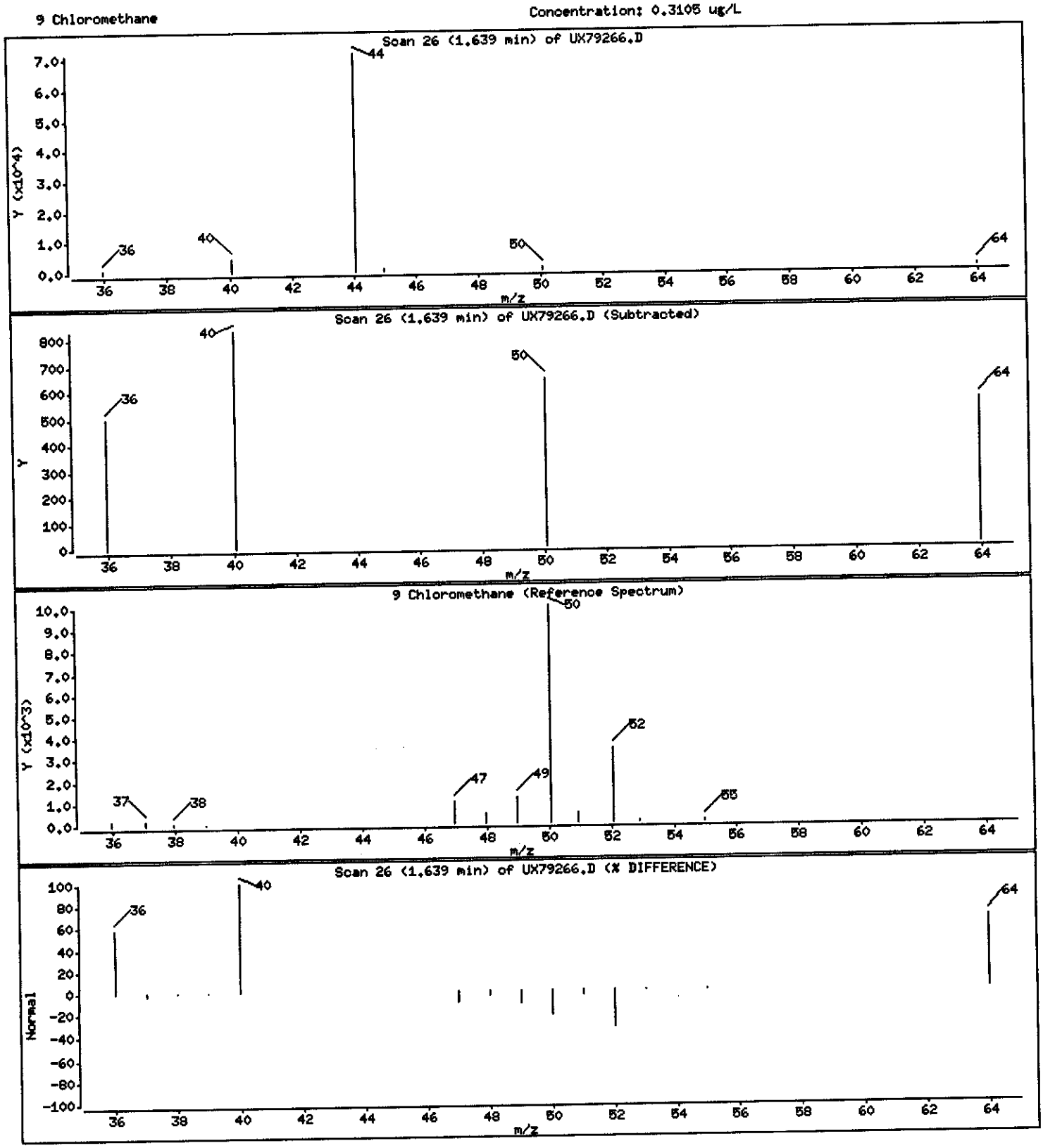
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

9 Chloromethane

Concentration: 0.3105 ug/L



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Date : 26-AUG-2004 06:53

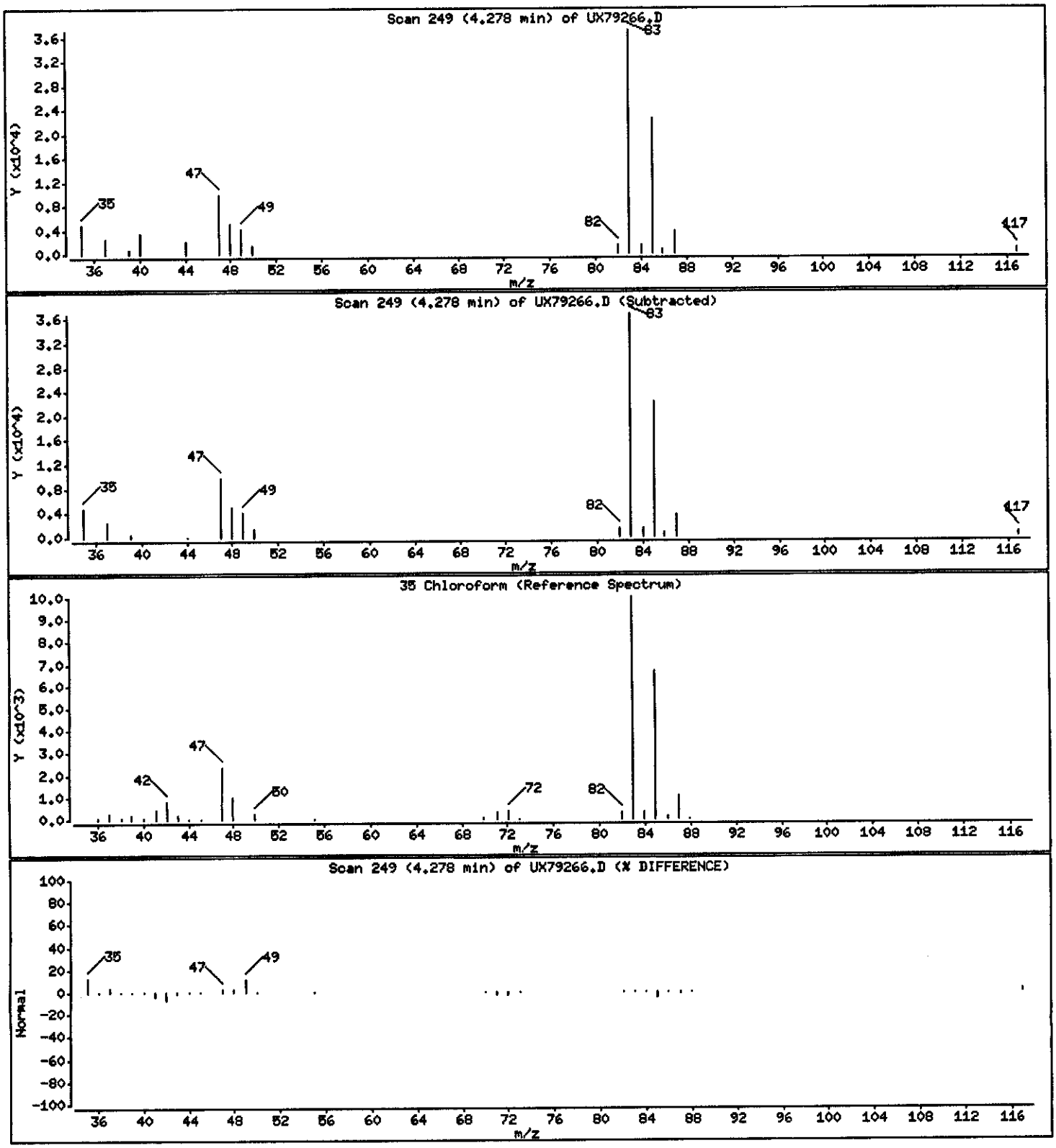
Client ID: FB01/081704 Instrument: a3ux7.i

Sample Info: GNEKA1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

35 Chloroform Concentration: 2.352 ug/L



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Date : 26-AUG-2004 06:53

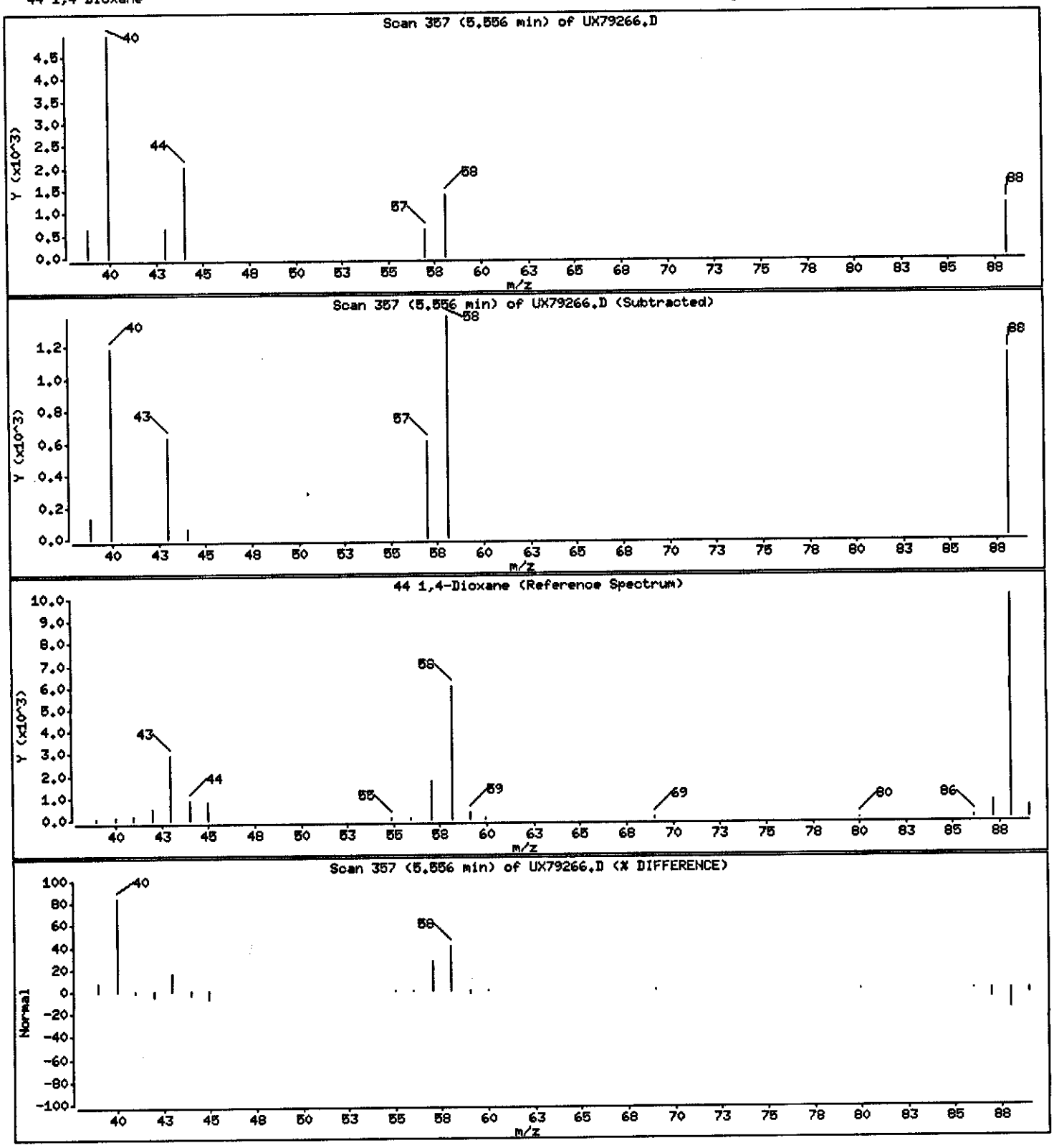
Client ID: FB01/081704 Instrument: a3ux7.i

Sample Info: GNEKA1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 34.800 ug/L



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Date : 26-AUG-2004 06:53

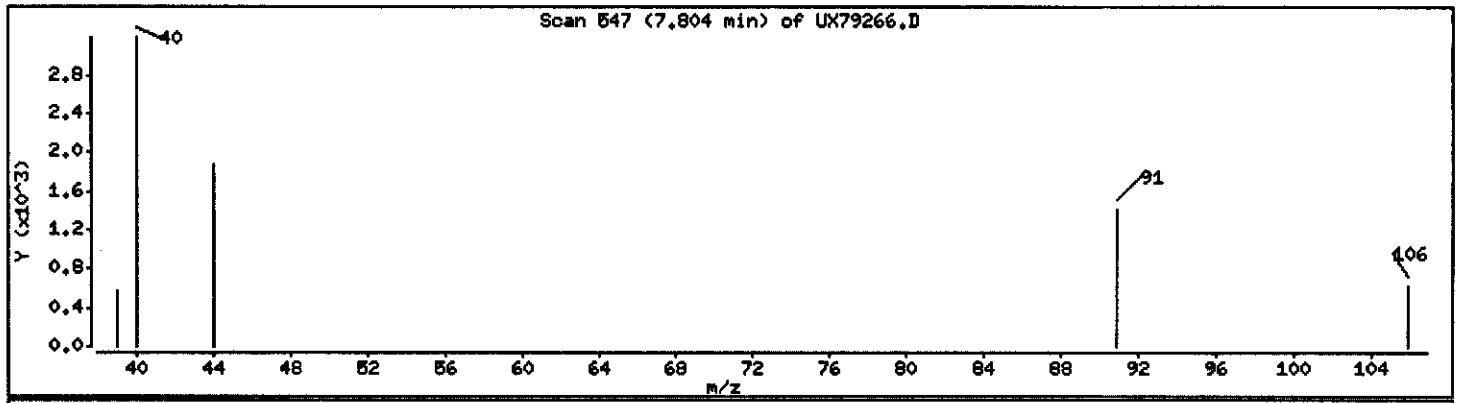
Client ID: FB01/081704 Instrument: a3ux7.i

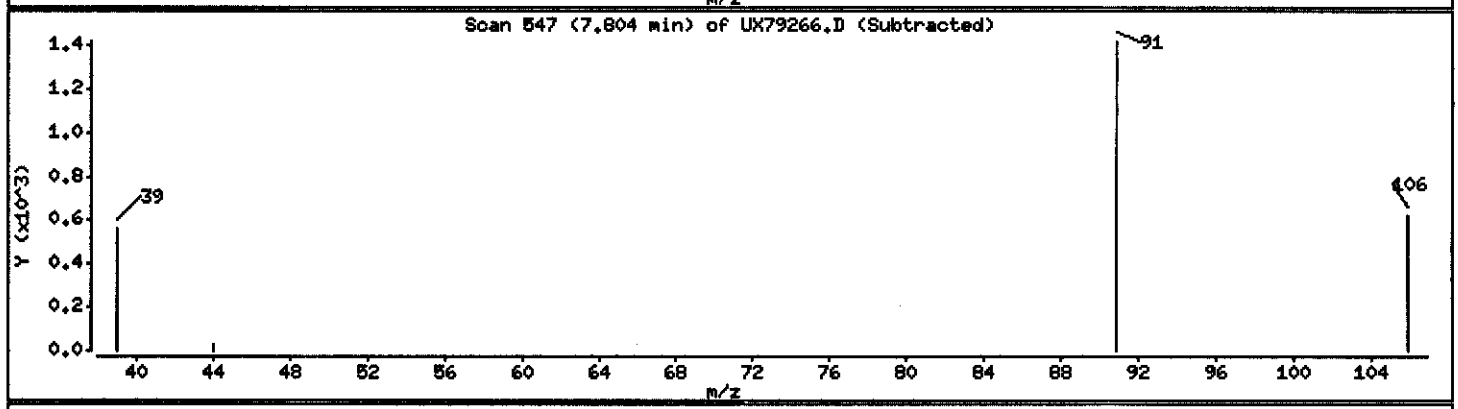
Sample Info: GNEKA1AA,5ML/5ML

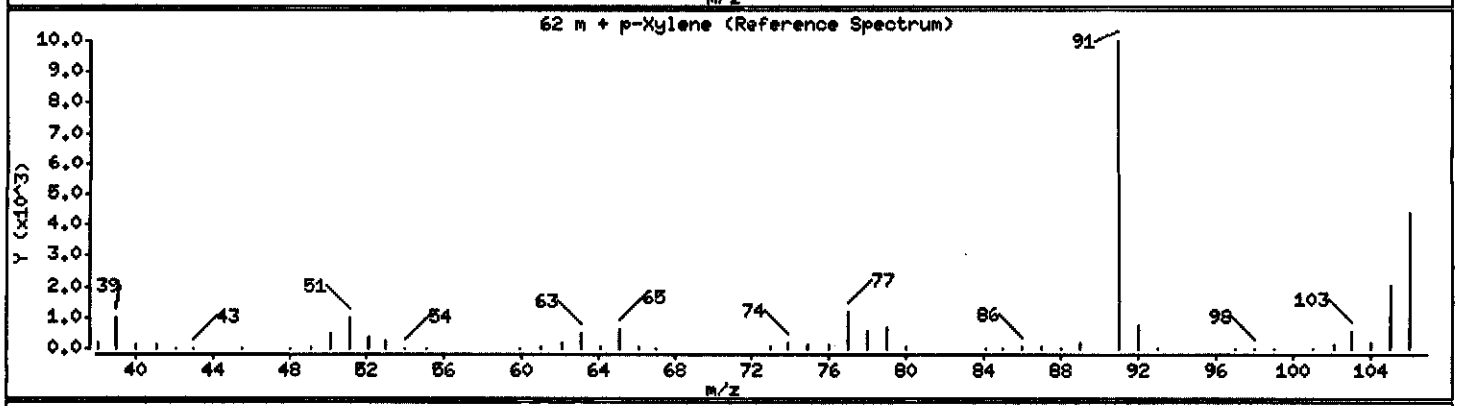
Purge Volume: 5.0 Operator: 1754

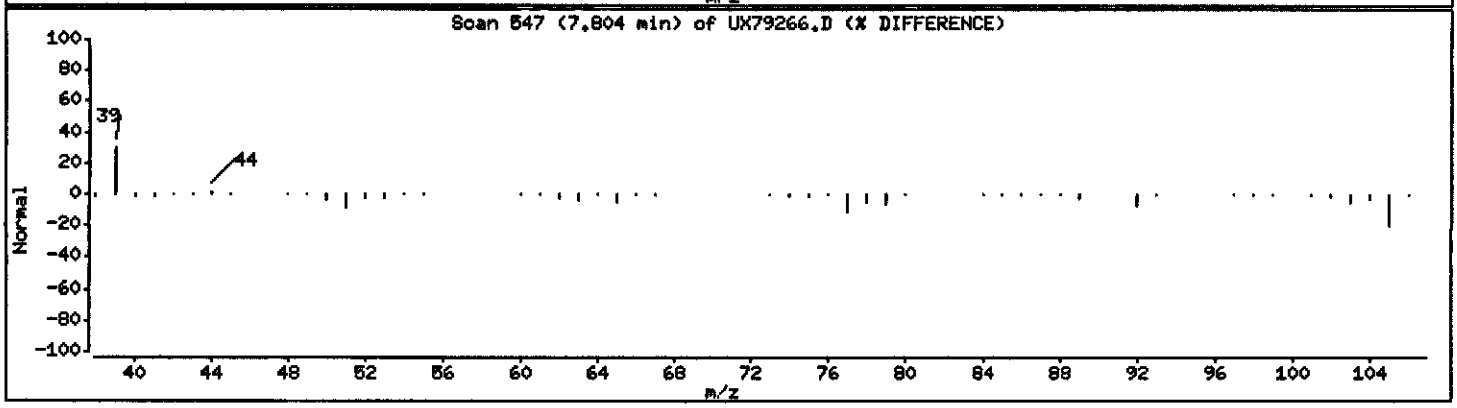
Column phase: DB624 20m Column diameter: 0.18

62 m + p-Xylene Concentration: 1.497 ug/L









PAYNE FIRM INC.

Client Sample ID: TB02/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-017	**Work Order #...:** GNEKD1AA	**Matrix.....:** WQ
Date Sampled...: 08/17/04	**Date Received..:** 08/18/04	
Prep Date.....: 08/26/04	**Analysis Date..:** 08/26/04	
Prep Batch #...: 4239141		
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	**1.6 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	**0.82 J**	**1.0**	**ug/L**
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: TB02/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-017 **Work Order #...:** GNEKD1AA **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	**0.72 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)	**2.6**	**2.0**	**ug/L**

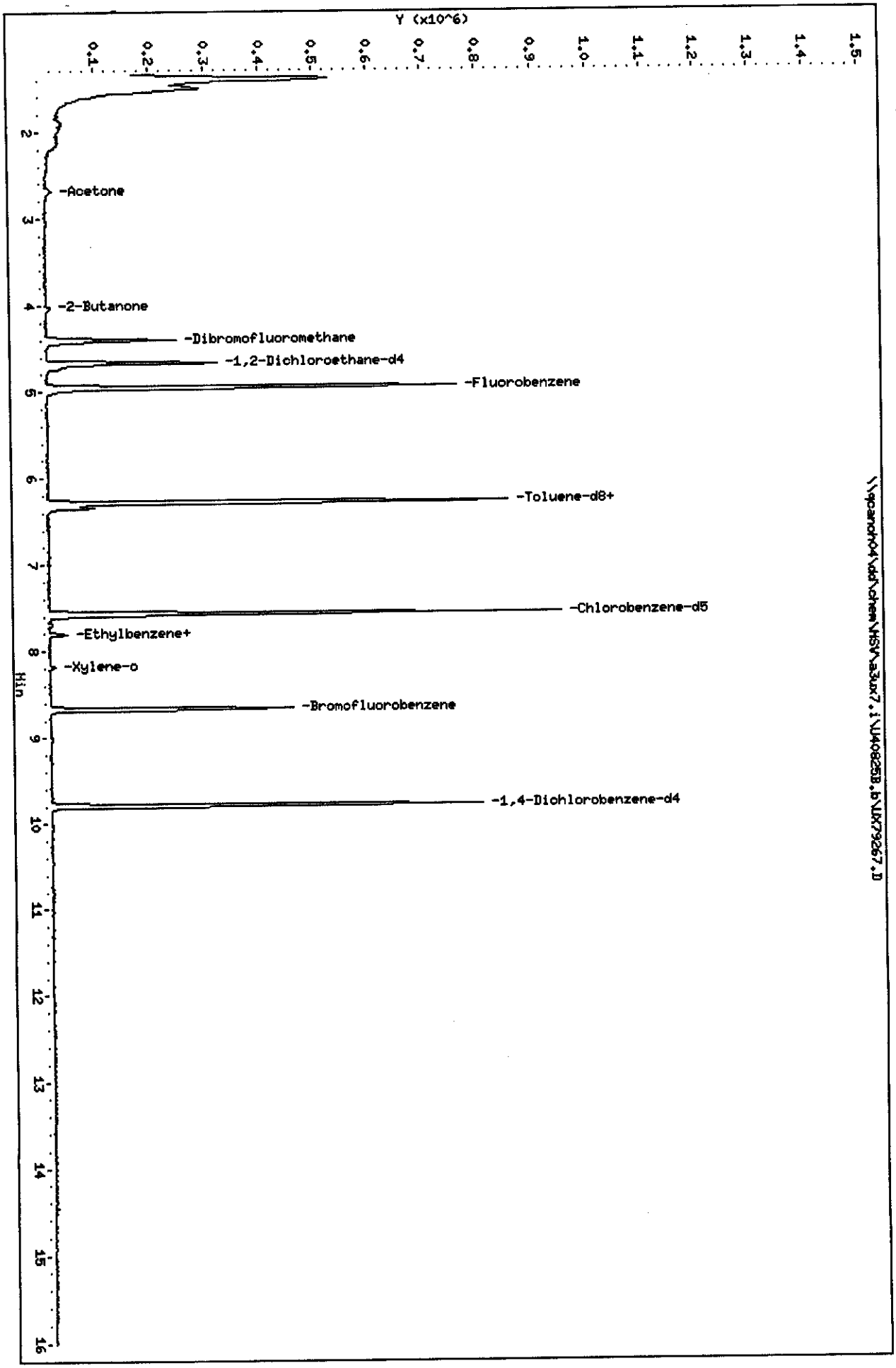
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	90	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40826B.b\UX79267.D
Date : 26-AUG-2004 07:16
Client ID: TB02/081704
Sample Info: GNEXD1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

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



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Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79267.D
Report Date: 26-Aug-2004 11:57

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79267.D
Lab Smp Id: GNEKD1AA Client Smp ID: TB02/081704
Inj Date : 26-AUG-2004 07:16
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNEKD1AA,5ML/5ML
Misc Info : U40825B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m
Meth Date : 26-Aug-2004 11:28 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 56
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)	758855	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.567	(1.000)	551410	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.793	9.791	(1.000)	207705	50.0000	
$ 4 Dibromofluoromethane	113	4.397	4.395	(0.888)	172089	50.9454	10.189
$ 5 1,2-Dichloroethane-d4	65	4.669	4.668	(0.943)	254934	50.4127	10.082
$ 6 Toluene-d8	98	6.278	6.277	(0.830)	641986	45.1696	9.034
$ 7 Bromofluorobenzene	95	8.668	8.667	(1.145)	177025	39.0620	7.812
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	2.668	(0.541)	30080	8.14468	1.629
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79267.D
Report Date: 26-Aug-2004 11:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	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	4.030	4.017	(0.814)	18015	7.79054	1.558
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.337	6.336	(0.837)	66290	3.58038	0.7161
	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	7.686	7.697	(1.016)	1983	4.09829	0.8196
	62 m + p-Xylene	106	7.805	7.803	(1.031)	11242	8.65688	1.731
M	63 Xylenes (total)	106				13605	12.7553	2.551
	64 Xylene-o	106	8.171	8.182	(1.080)	2363	4.09842	0.8197
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79267.D
Report Date: 26-Aug-2004 11:57

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79267.D

Date : 26-AUG-2004 07:16

Client ID: TB02/081704

Instrument: a3ux7.i

Sample Info: GNEKD1AA,5ML/5ML

Purge Volume: 5.0

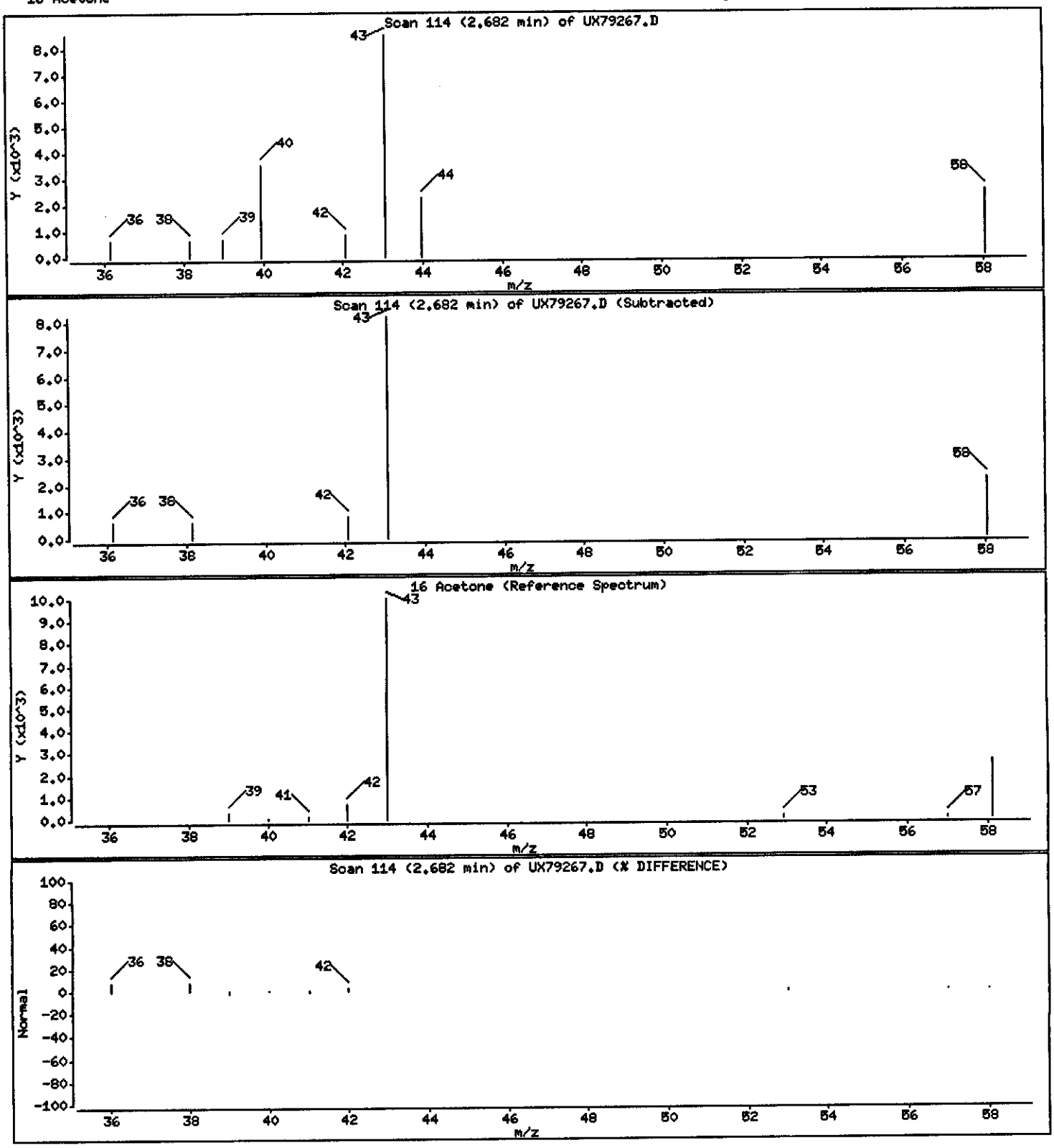
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

16 Acetone

Concentration: 1.629 ug/L



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Date : 26-AUG-2004 07:16

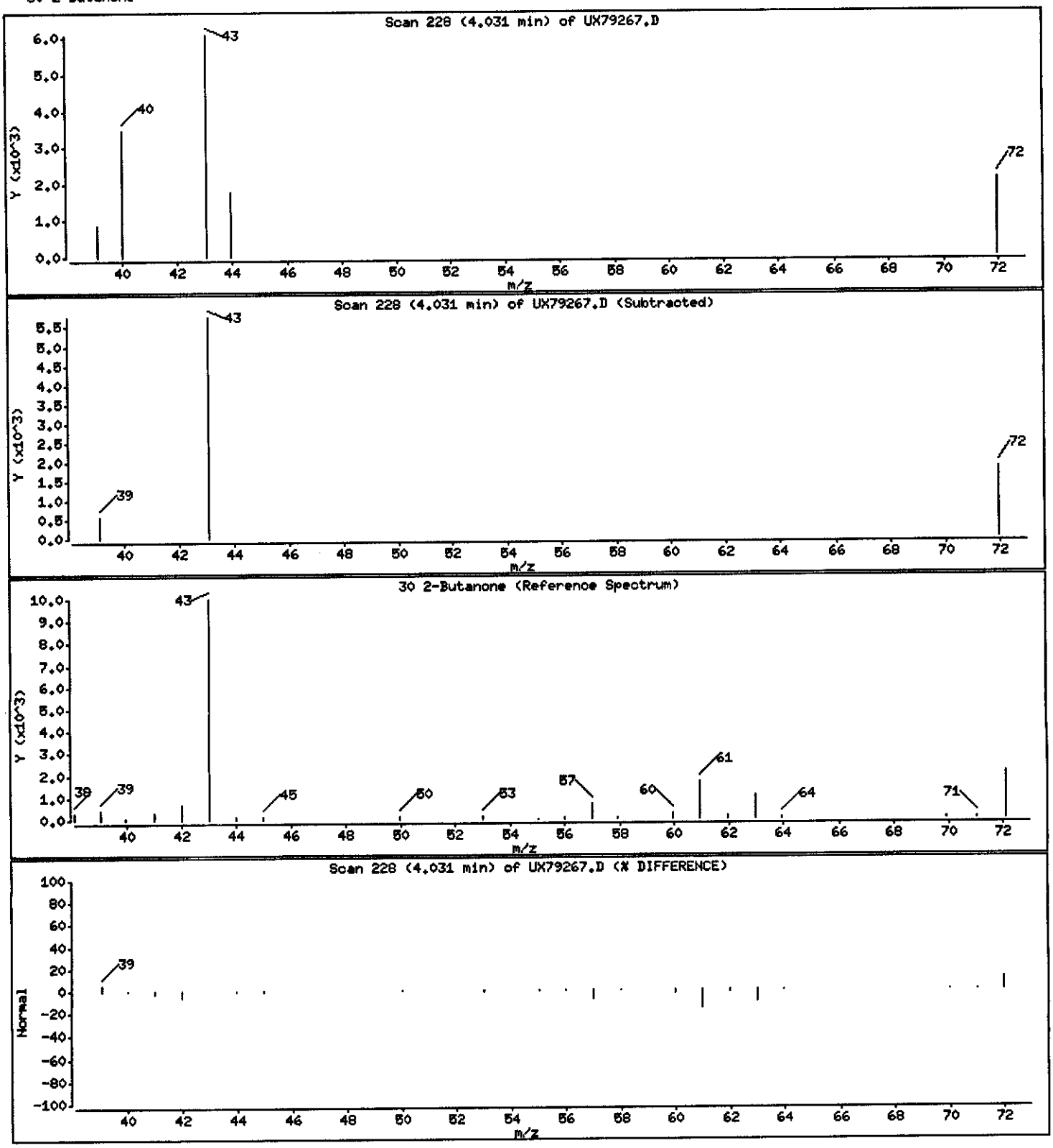
Client ID: TB02/081704 Instrument: a3ux7.i

Sample Info: GNEKD1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

30 2-Butanone Concentration: 1.558 ug/L



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Date : 26-AUG-2004 07:16

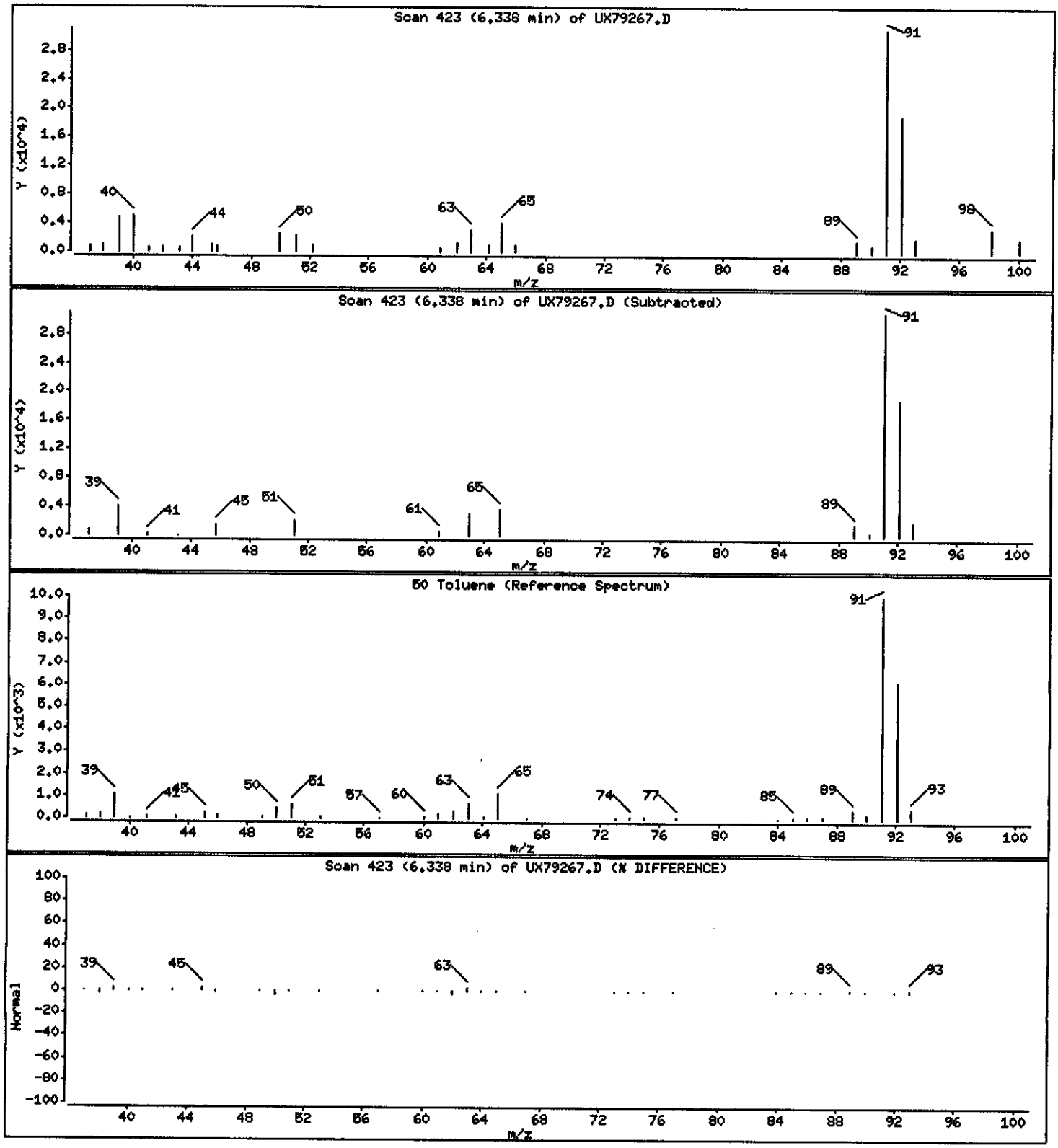
Client ID: TB02/081704 Instrument: a3ux7.i

Sample Info: GNEKD1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

50 Toluene Concentration: 0.7161 ug/L



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Date : 26-AUG-2004 07:16

Client ID: TB02/081704

Instrument: a3ux7.i

Sample Info: GNEKD1AA,5ML/5ML

Purge Volume: 5.0

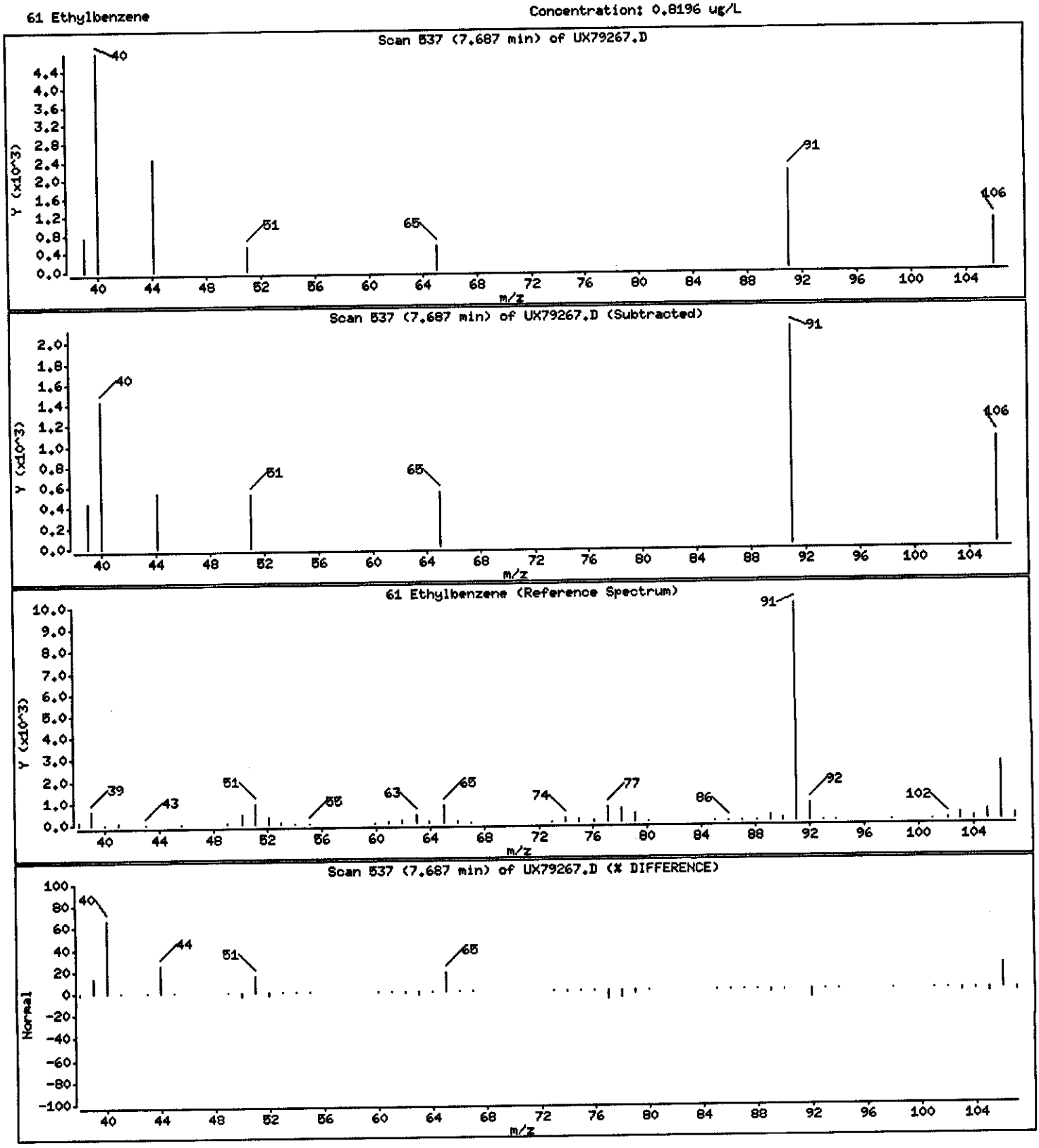
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

61 Ethylbenzene

Concentration: 0.8196 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79267.D

Date : 26-AUG-2004 07:16

Client ID: TB02/081704

Instrument: a3ux7.i

Sample Info: GNEKD1AA,5ML/5ML

Purge Volume: 5.0

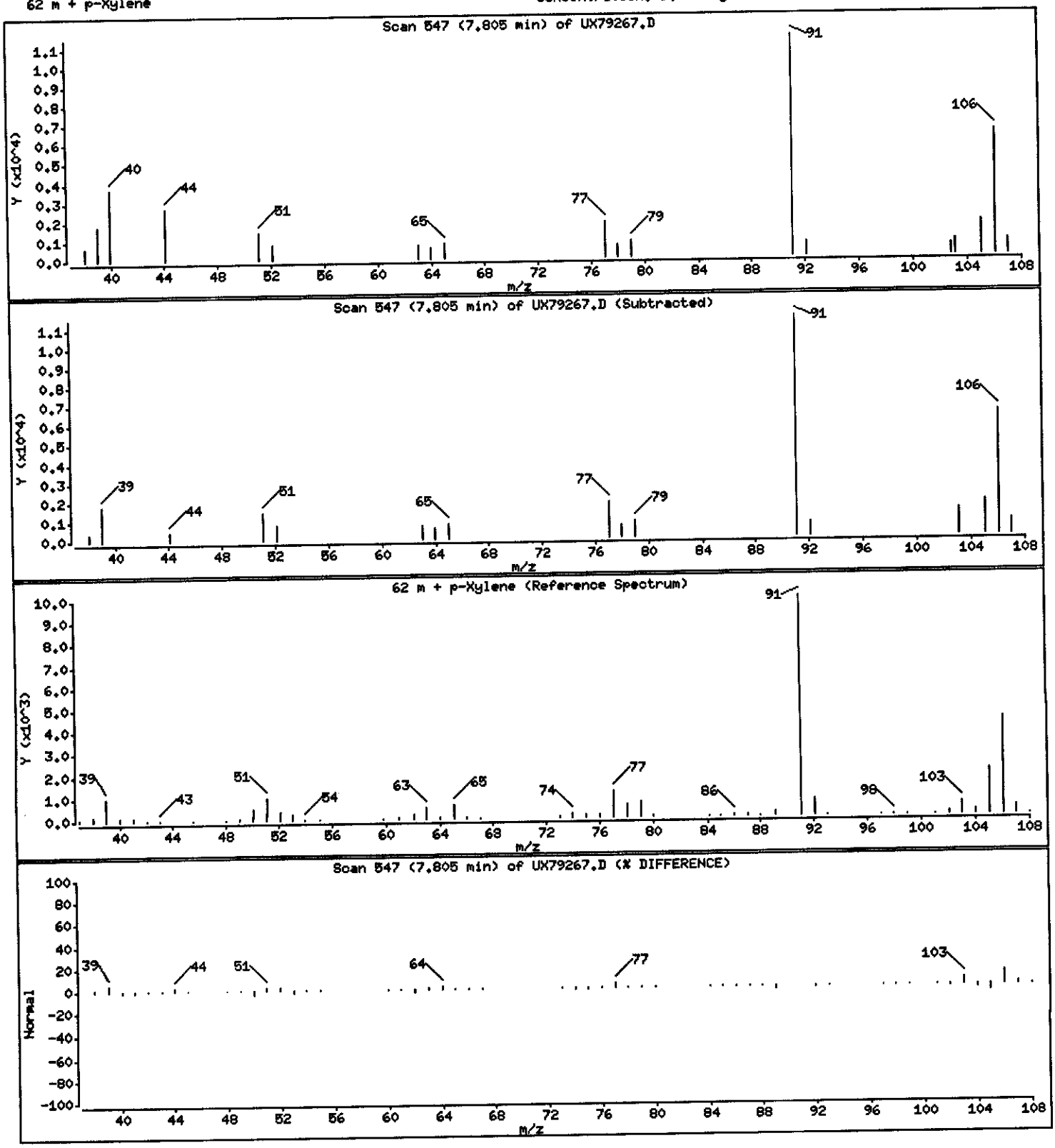
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

62 m + p-Xylene

Concentration: 1.731 ug/L



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Date : 26-AUG-2004 07:16

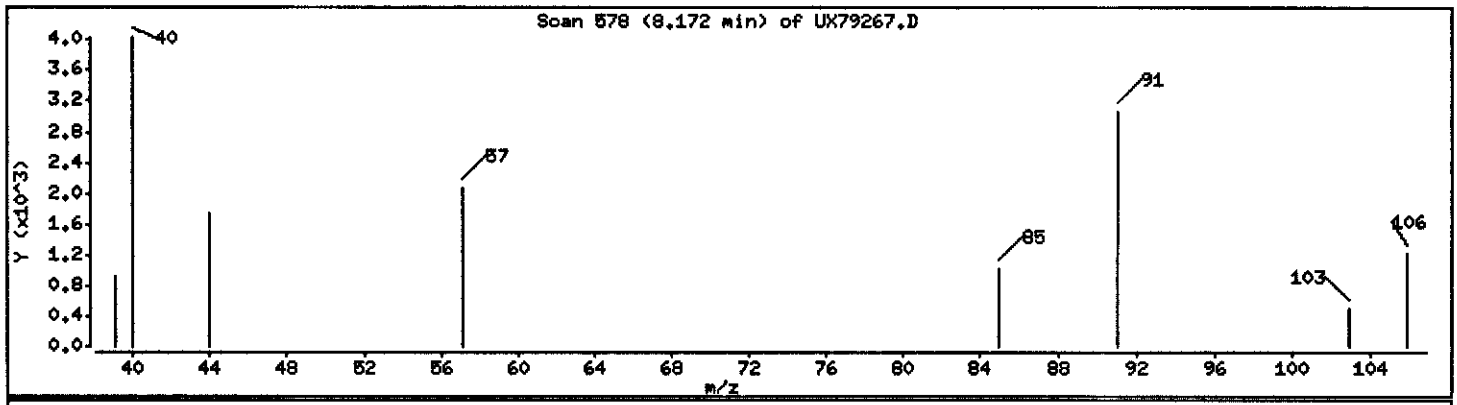
Client ID: TB02/081704 Instrument: a3ux7.i

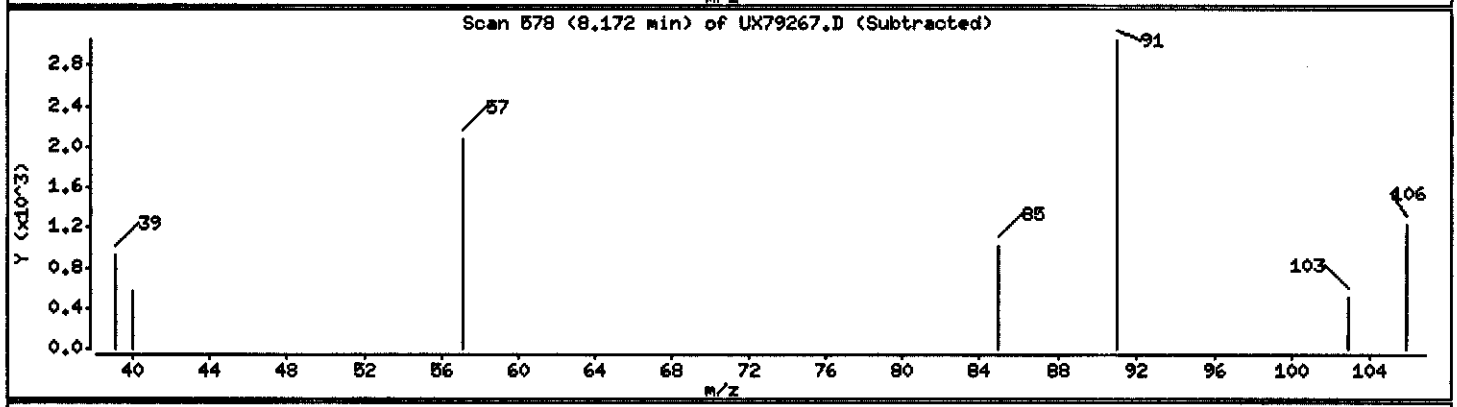
Sample Info: GNEKD1AA,5ML/5ML

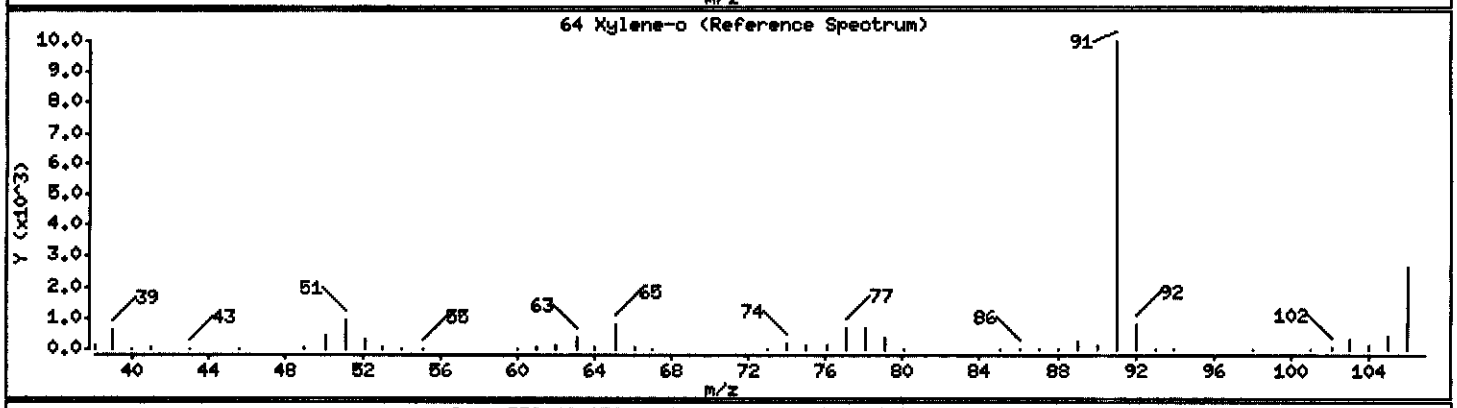
Purge Volume: 5.0 Operator: 1754

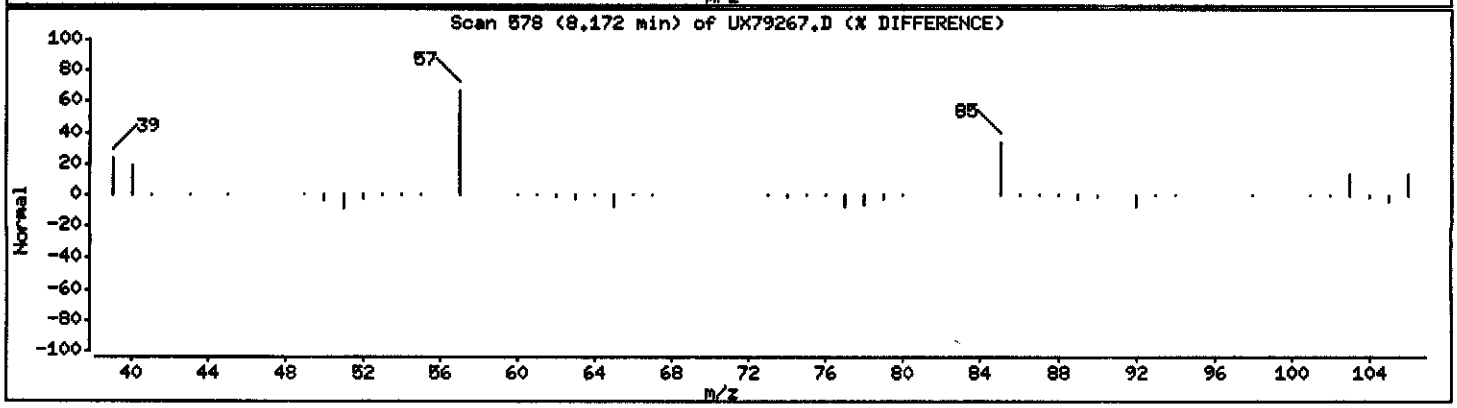
Column phase: DB624 20m Column diameter: 0.18

64 Xylene-o Concentration: 0.8197 ug/L









PAYNE FIRM INC.

Client Sample ID: INPUT/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-018 Work Order #...: GNEKM1AA Matrix.....: WG
Date Sampled...: 08/17/04 14:00 Date Received..: 08/18/04
Prep Date.....: 08/26/04 Analysis Date..: 08/26/04
Prep Batch #...: 4239141
Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol..: 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**29**	**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	**4.2 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: INPUT/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-018 **Work Order #...:** GNEKM1AA **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	**1.2 J**	**10**	**ug/L**
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	**1.5 J**	**2.0**	**ug/L**

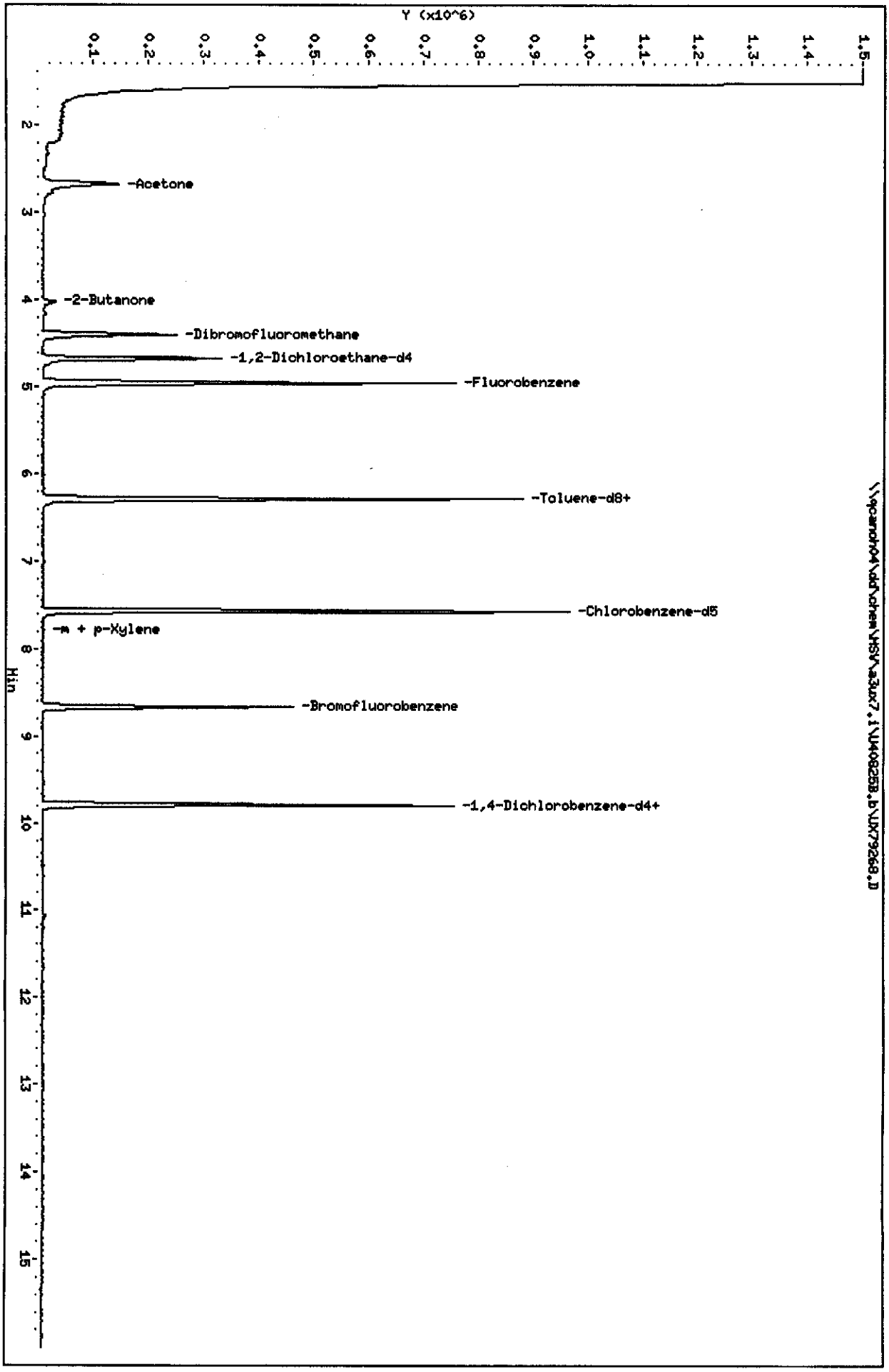
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	90	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\U40825B.b\UX79268.D
Date : 26-AUG-2004 07:39
Client ID: INPUT/081704
Sample Info: GNEKH1AA,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\U40825B.b\UX79268.D
Report Date: 26-Aug-2004 11:57

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79268.D
Lab Smp Id: GNEKM1AA Client Smp ID: INPUT/081704
Inj Date : 26-AUG-2004 07:39
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNEKM1AA,5ML/5ML
Misc Info : U40825B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m
Meth Date : 26-Aug-2004 11:28 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 57
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	4.952	(1.000)	774343	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.567	(1.000)	545431	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.791	(1.000)	205057	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.395	(0.888)	178491	51.7838	10.357
$ 5 1,2-Dichloroethane-d4	65	4.671	4.668	(0.943)	262758	50.9206	10.184
$ 6 Toluene-d8	98	6.280	6.277	(0.830)	629302	44.7626	8.952
$ 7 Bromofluorobenzene	95	8.670	8.667	(1.145)	173138	38.6231	7.725
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	2.668	(0.542)	322795	145.161	29.032
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79268.D
Report Date: 26-Aug-2004 11:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	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	4.017	(0.811)	49420	20.9441	4.189
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	6.150	6.158	(1.241)	3101	6.22741	1.245
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	7.795	7.803	(1.030)	856	7.44735	1.489
M	63 Xylenes (total)	106				856	7.44735	1.489
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79268.D
Report Date: 26-Aug-2004 11:57

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	9.818	9.815	(1.002)	8804	1.45826	0.2916
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\U40825B.b\UX79268.D

Date : 26-AUG-2004 07:39

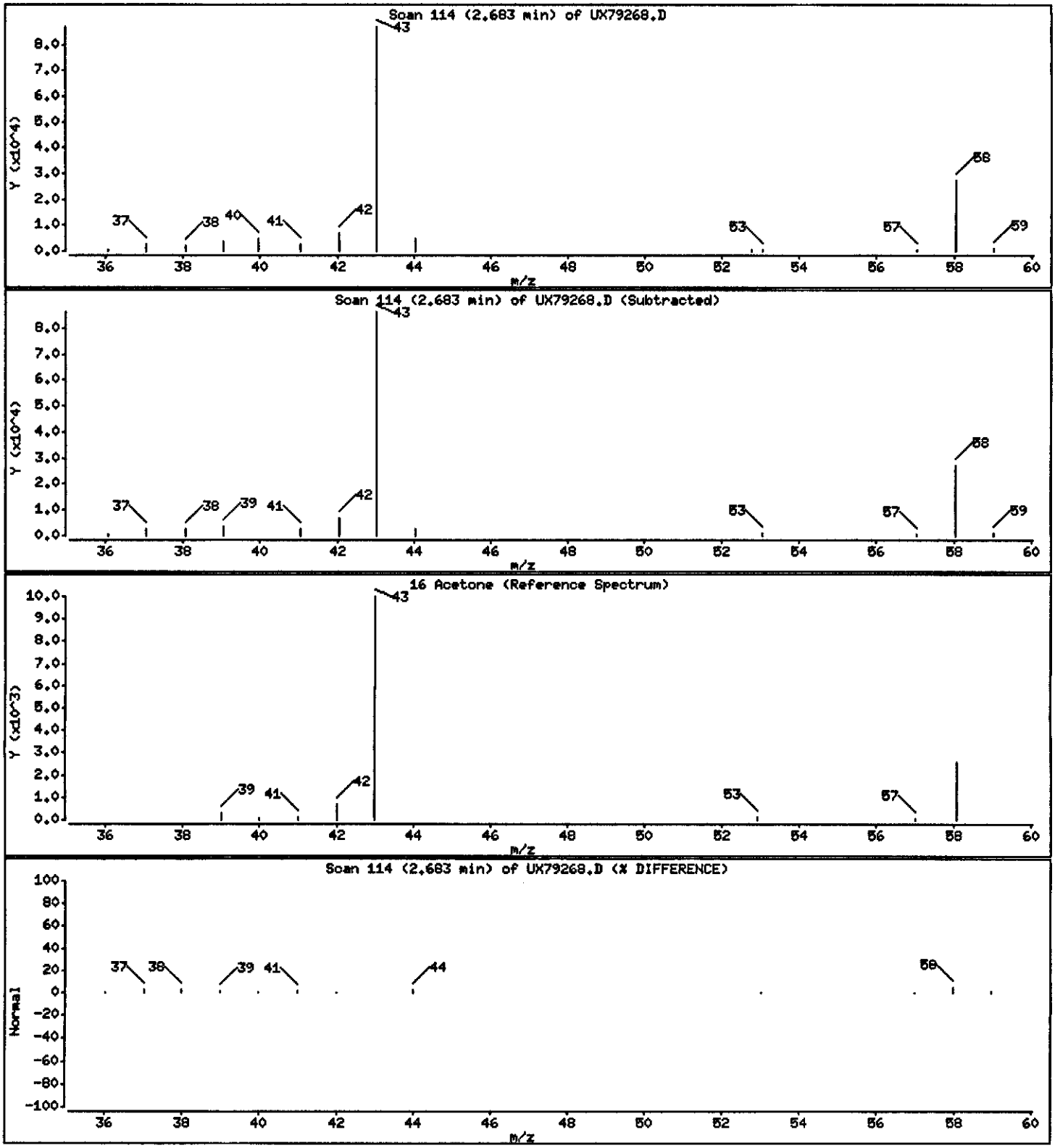
Client ID: INPUT/081704 Instrument: a3ux7.i

Sample Info: GNEKM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 29.032 ug/L



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Date : 26-AUG-2004 07:39

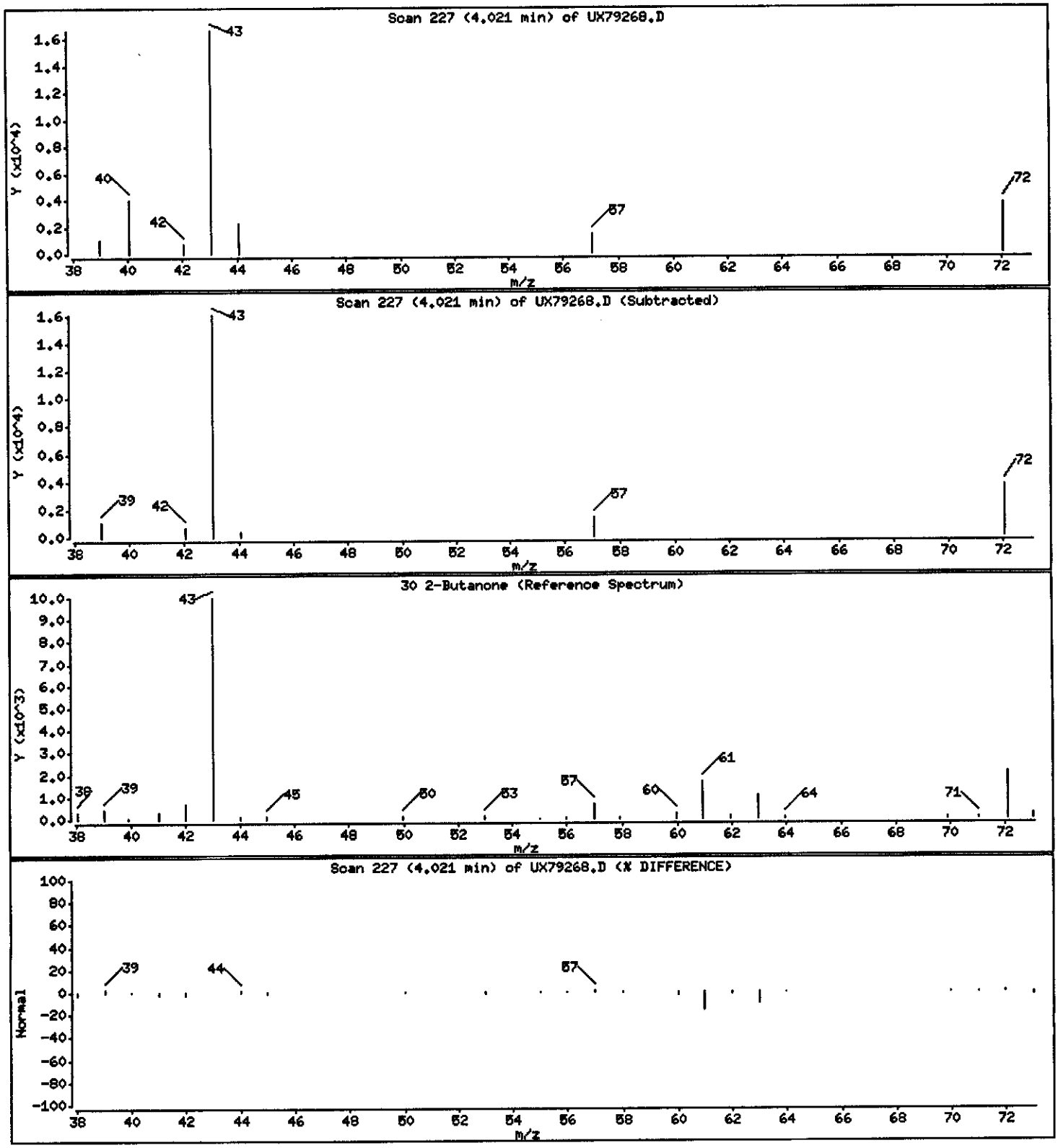
Client ID: INPUT/081704 Instrument: a3ux7.i

Sample Info: GNEKM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

30 2-Butanone Concentration: 4.189 ug/L



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Date : 26-AUG-2004 07:39

Client ID: INPUT/081704

Instrument: a3ux7.i

Sample Info: GNEKM1AA,5ML/5ML

Purge Volume: 5.0

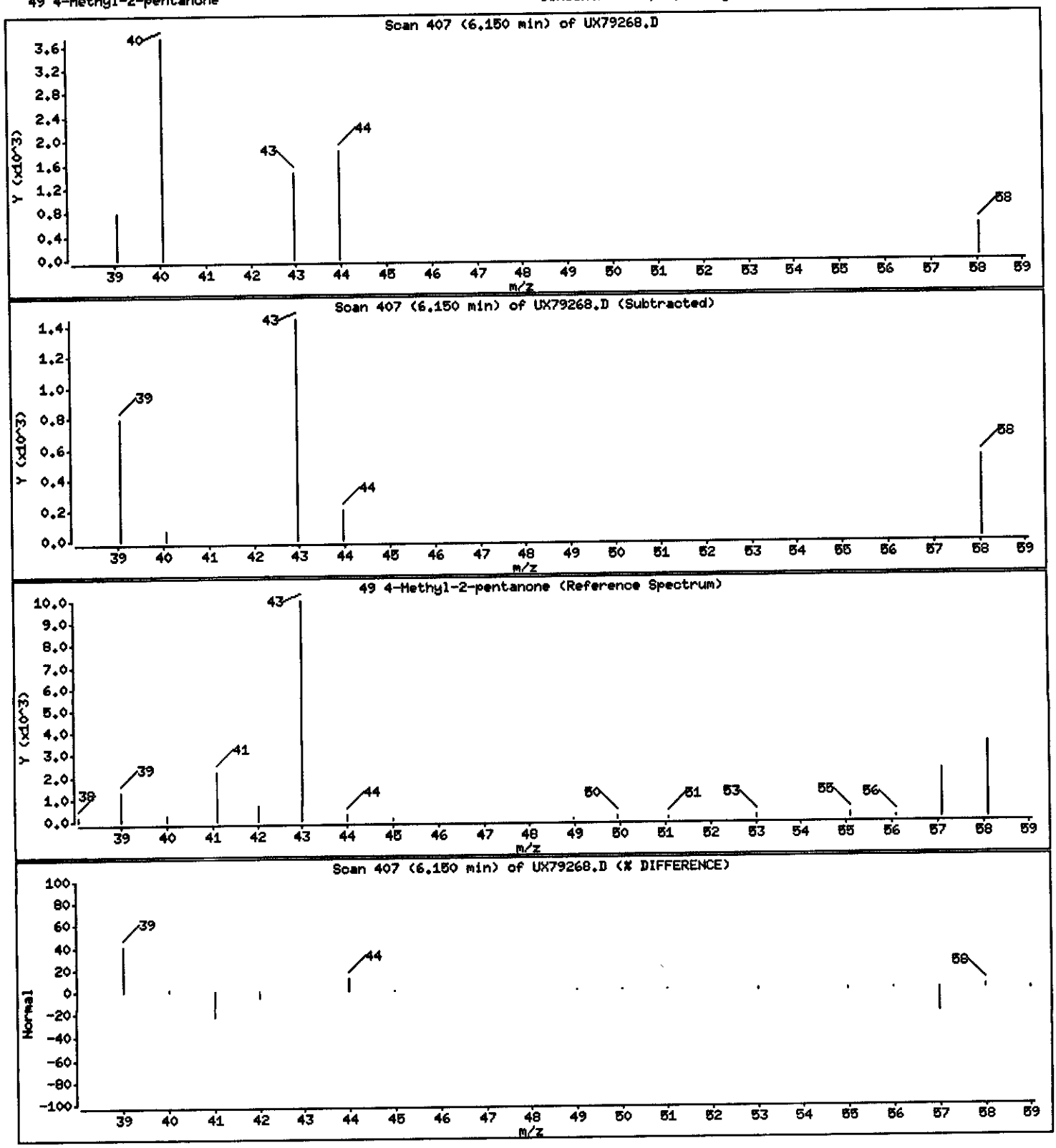
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

49 4-Methyl-2-pentanone

Concentration: 1.245 ug/L



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Date : 26-AUG-2004 07:39

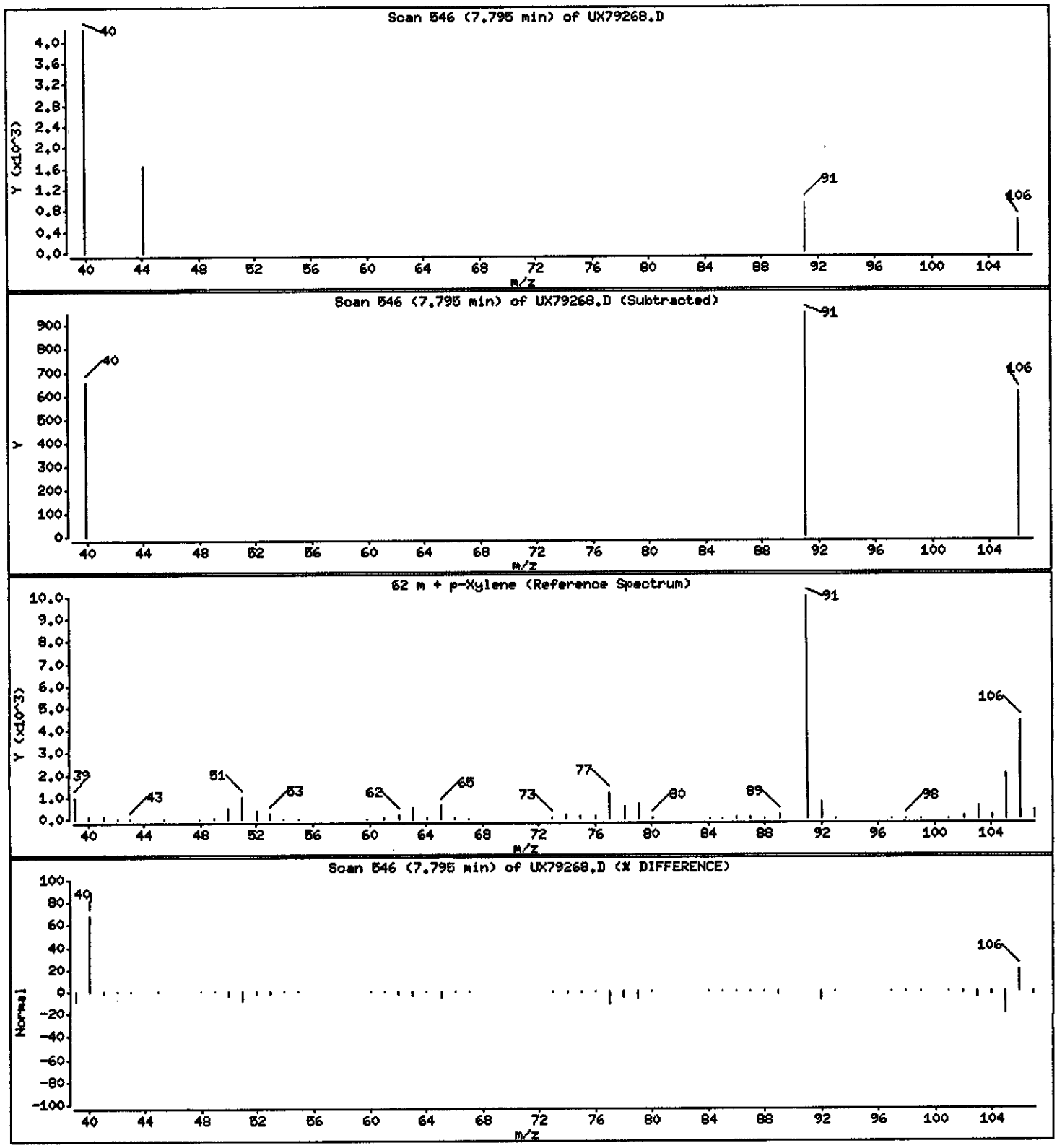
Client ID: INPUT/081704 Instrument: a3ux7.i

Sample Info: GNEKM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

62 m + p-Xylene Concentration: 1.489 ug/L



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Date : 26-AUG-2004 07:39

Client ID: INPUT/081704

Instrument: a3ux7.i

Sample Info: GNEKM1AA,5ML/5ML

Purge Volume: 5.0

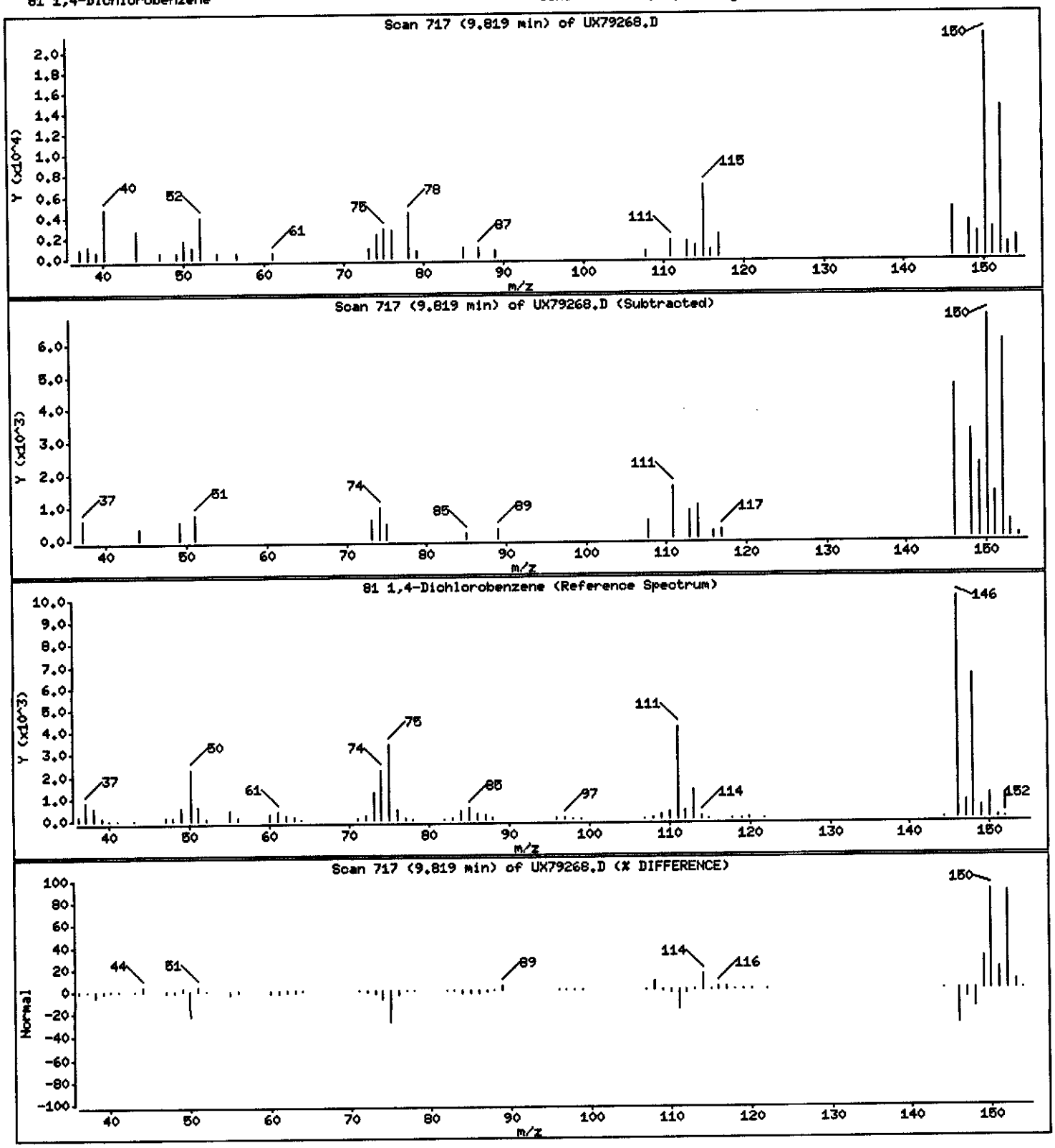
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

81 1,4-Dichlorobenzene

Concentration: 0.2916 ug/L



PAYNE FIRM INC.

Client Sample ID: OUTPUT/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-019 Work Order #...: GNEKN1AA Matrix.....: WG
Date Sampled...: 08/17/04 15:10 Date Received..: 08/18/04
Prep Date.....: 08/26/04 Analysis Date..: 08/26/04
Prep Batch #...: 4239141
Dilution Factor: 1 Initial Wgt/Vol: 5 mL Final Wgt/Vol..: 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**2.4 J**	**10**	**ug/L**
Acetonitrile	**140**	**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	**1.6**	**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	**0.31 J**	**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: OUTPUT/081704

GC/MS Volatiles

Lot-Sample #...: A4H180231-019 Work Order #...: GNEKN1AA Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	**1.5 J**	**2.0**	**ug/L**

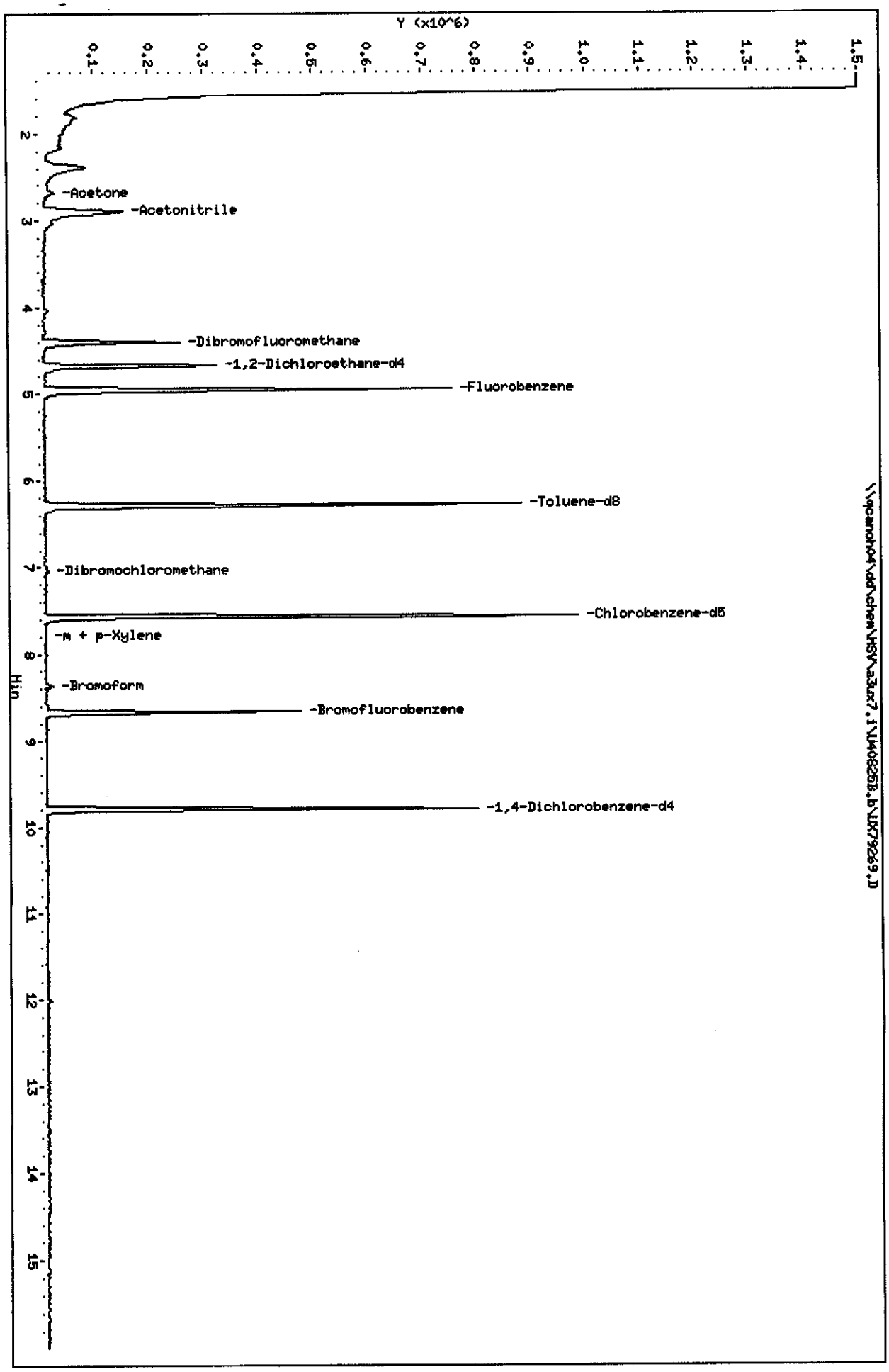
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
Toluene-d8	89	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcandn04\dd\chem\HSV\a3ux7.i\U408258.b\UX79269.D
Date : 26-AUG-2004 08:02
Client ID: OUTPUT/081704
Sample Info: GNEKHLAA,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\U40825B.b\UX79269.D
Report Date: 26-Aug-2004 11:58

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79269.D
Lab Smp Id: GNEKN1AA Client Smp ID: OUTPUT/081704
Inj Date : 26-AUG-2004 08:02
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNEKN1AA,5ML/5ML
Misc Info : U40825B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m
Meth Date : 26-Aug-2004 11:28 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 58
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)	777758	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.567	(1.000)	554560	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.791	(1.000)	211886	50.0000	
$ 4 Dibromofluoromethane	113	4.398	4.395	(0.888)	176158	50.8826	10.176
$ 5 1,2-Dichloroethane-d4	65	4.670	4.668	(0.943)	254038	49.0145	9.803
$ 6 Toluene-d8	98	6.280	6.277	(0.830)	639484	44.7380	8.948
$ 7 Bromofluorobenzene	95	8.670	8.667	(1.145)	182998	40.1506	8.030
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	2.668	(0.541)	39083	12.1141	2.423
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79269.D
Report Date: 26-Aug-2004 11:58

	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	2.895	2.893	(0.584)	374552	719.645	143.93
	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	7.037	7.034	(0.930)	5000	1.53932	0.3079
	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	7.794	7.803	(1.030)	828	7.44245	1.488
M	63 Xylenes (total)	106				828	7.44245	1.488
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79269.D
Report Date: 26-Aug-2004 11:58

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	8.362	8.359	(1.105)	6049	8.06843	1.614
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\U40825B.b\UX79269.D

Date : 26-AUG-2004 08:02

Client ID: OUTPUT/081704

Instrument: a3ux7.i

Sample Info: GNEKN1AA,5ML/5ML

Purge Volume: 5.0

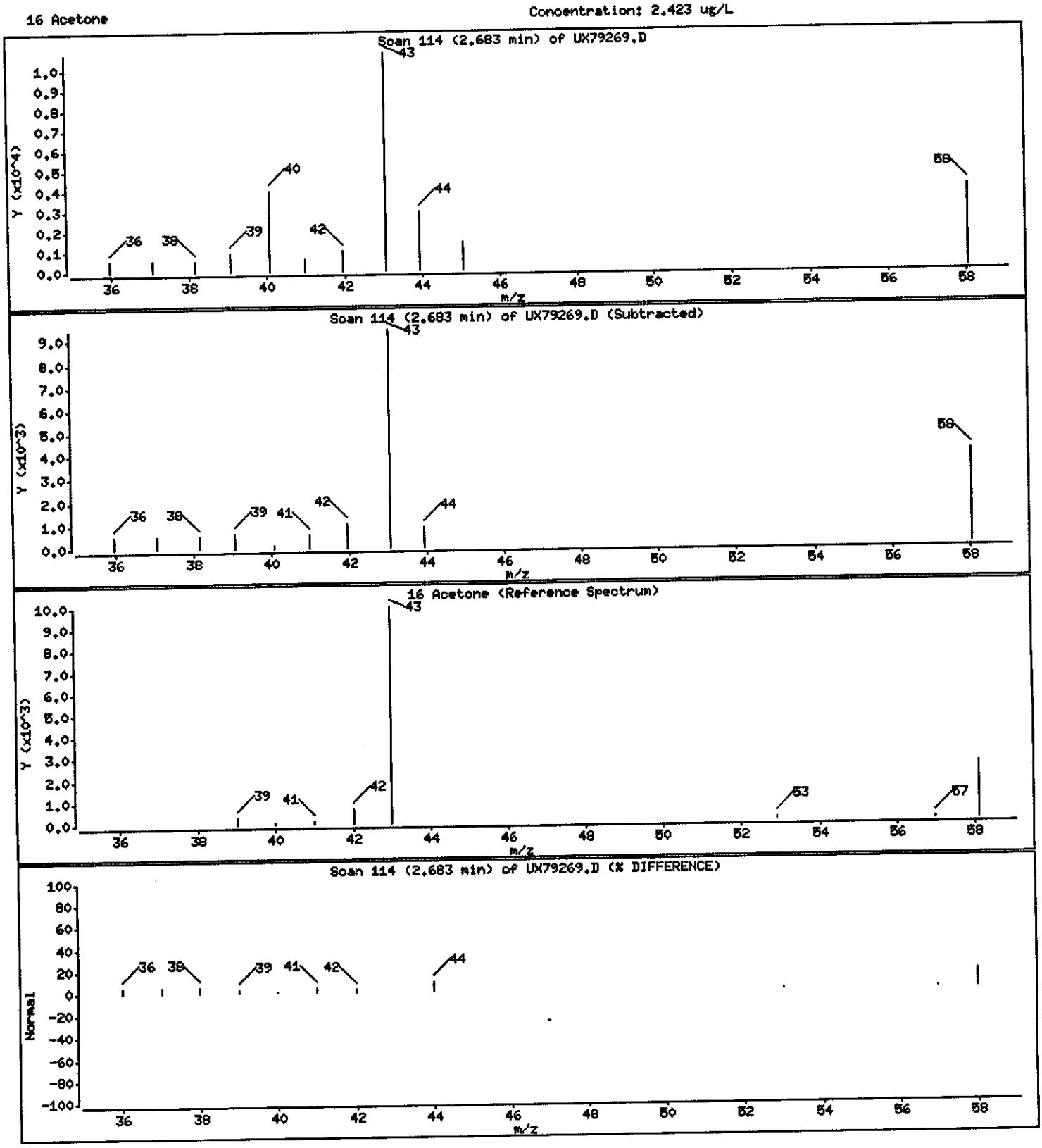
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

Concentration: 2.423 ug/L

16 Acetone



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Date : 26-AUG-2004 08:02

Client ID: OUTPUT/081704

Instrument: a3ux7.i

Sample Info: GNEKN1AA,5ML/5ML

Purge Volume: 5.0

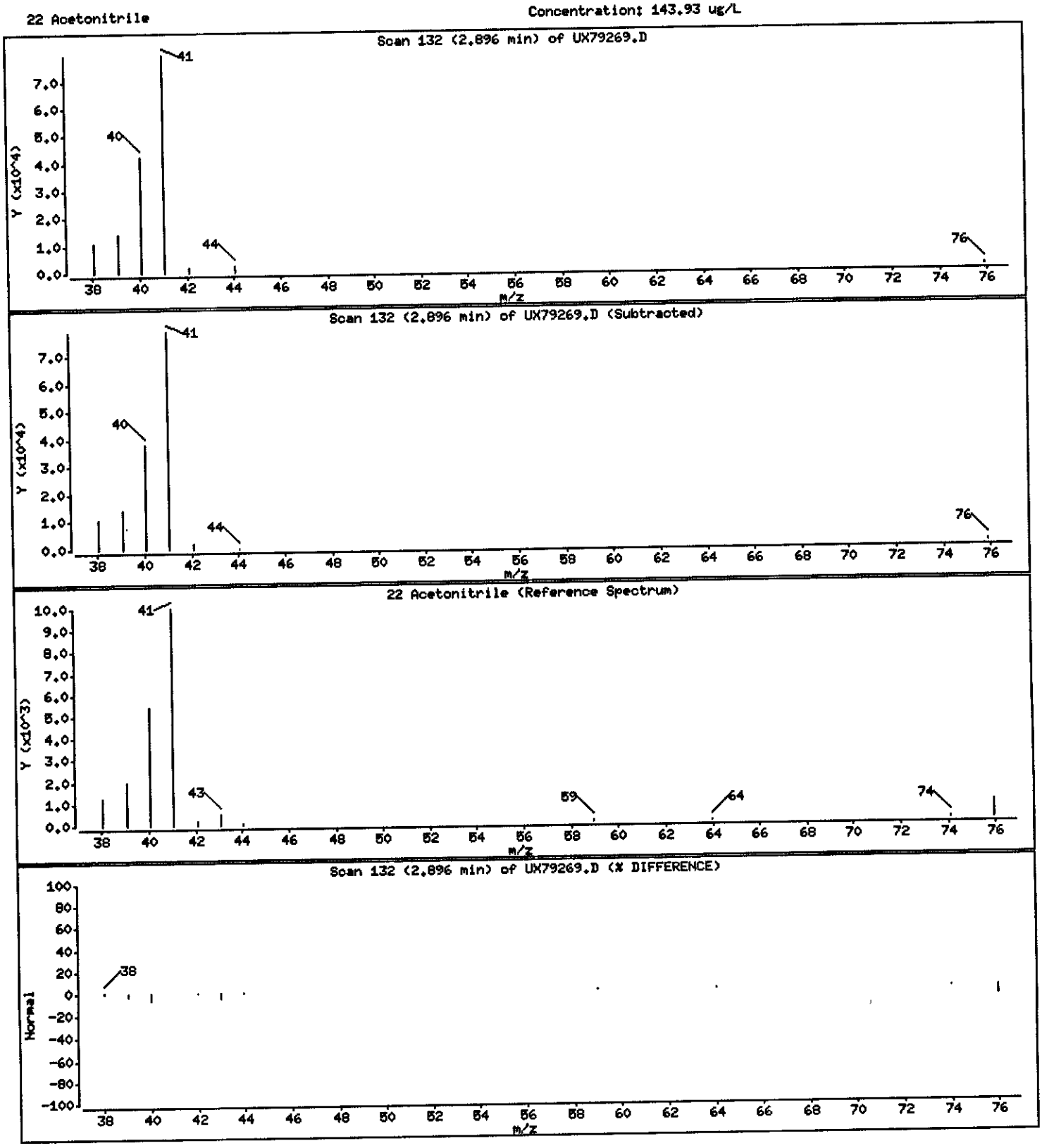
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

22 Acetonitrile

Concentration: 143.93 ug/L



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Date : 26-AUG-2004 08:02

Client ID: OUTPUT/081704

Instrument: a3ux7.i

Sample Info: GNEKN1AA,5ML/5ML

Purge Volume: 5.0

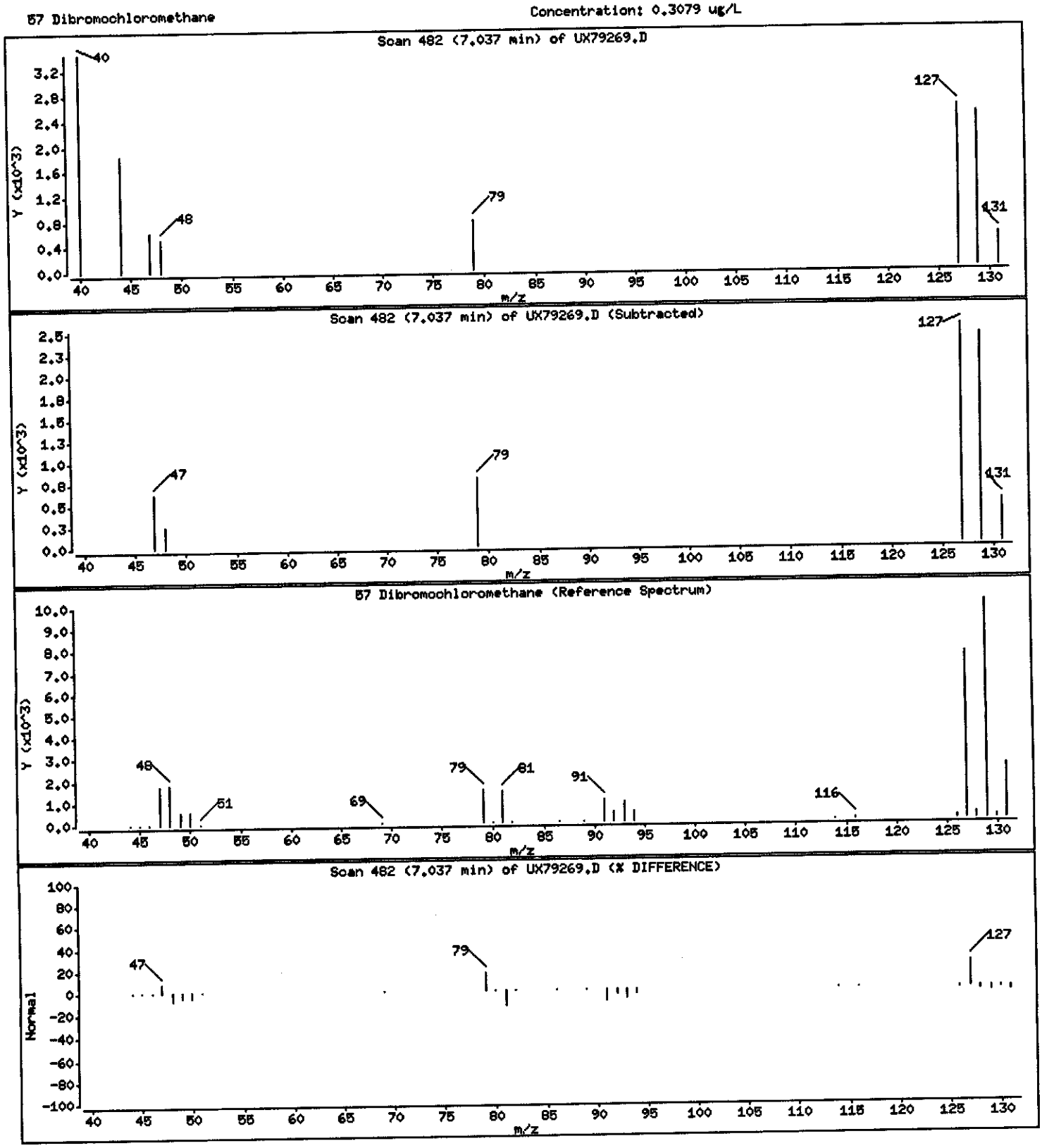
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

57 Dibromochloromethane

Concentration: 0.3079 ug/L



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Date : 26-AUG-2004 08:02

Client ID: OUTPUT/081704

Instrument: a3ux7.i

Sample Info: GNEKN1AA,5ML/5ML

Purge Volume: 5.0

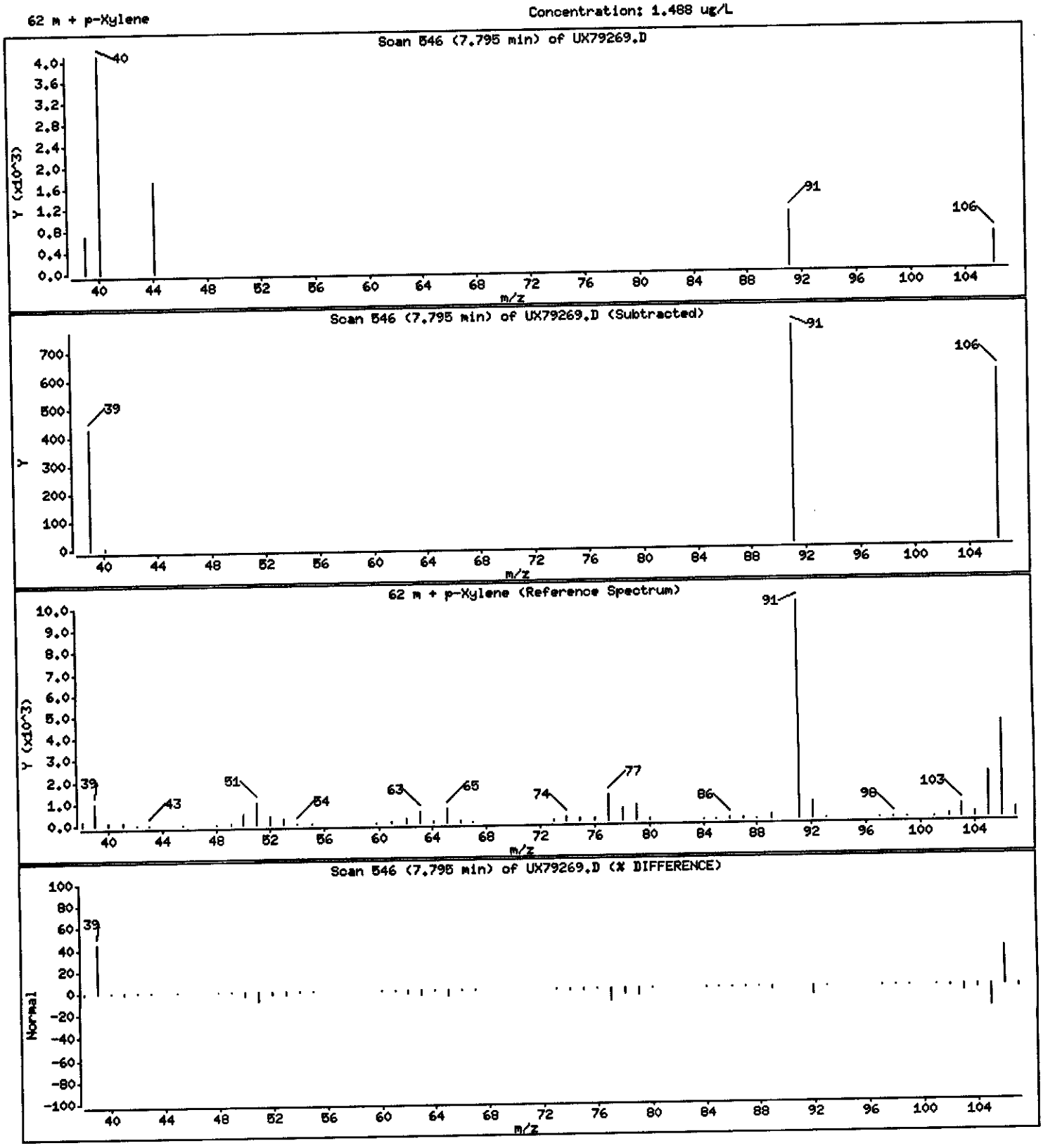
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

Concentration: 1.488 ug/L

62 m + p-Xylene



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Date : 26-AUG-2004 08:02

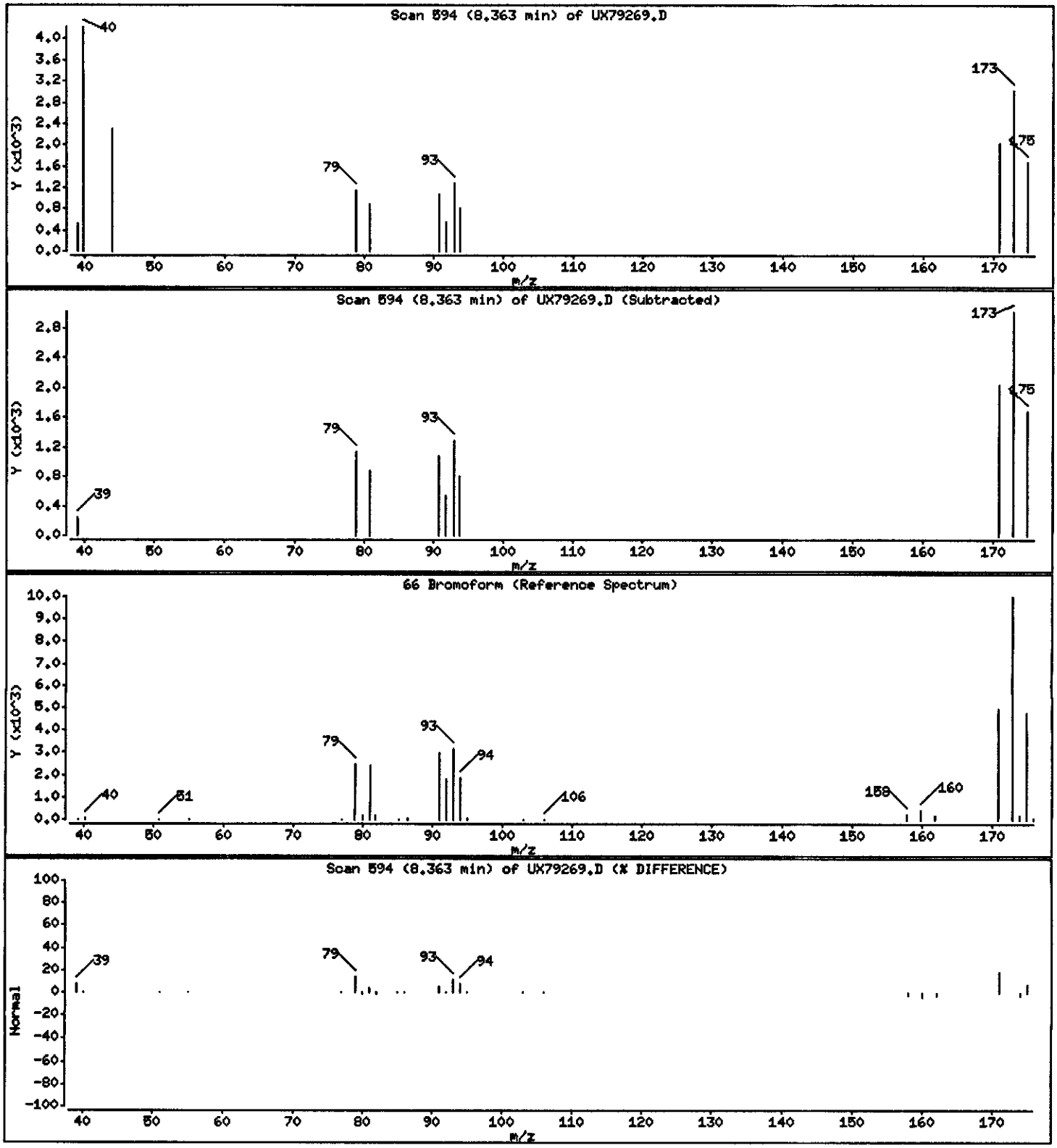
Client ID: OUTPUT/081704 Instrument: a3ux7.i

Sample Info: GNEKN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

66 Bromoform Concentration: 1.614 ug/L



SEVERN TRENT STL

STANDARD DATA

Calibration History

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

Initial Calibration

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

Continuing Calibration

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

Report Date : 21-Aug-2004 10:34

STL North Canton

INITIAL CALIBRATION DATA

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

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

Report Date : 21-Aug-2004 10:34

STL North Canton

INITIAL CALIBRATION DATA

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

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	33 2,2-Dichloropropane	0.28174	0.30262	0.32104	0.31959	0.35708	0.34217	0.32071	8.402	
	34 Bromochloromethane	0.12244	0.12628	0.13407	0.12500	0.13392	0.12320	0.12748	4.095	
	35 Chloroform	0.47490	0.50848	0.50467	0.48115	0.51939	0.48505	0.49561	3.567	
	36 Tetrahydrofuran	0.06826	0.05811	0.06713	0.06709	0.07353	0.08054	0.06911	10.825	
	37 1,1,1-Trichloroethane	0.35164	0.40539	0.40671	0.38784	0.42448	0.40629	0.39706	6.319	
	38 1,1-Dichloropropene	0.27225	0.32113	0.34158	0.35541	0.38727	0.36648	0.34069	11.828	
	39 Carbon Tetrachloride	0.28601	0.30389	0.30938	0.30742	0.32764	0.30756	0.30698	4.327	
	40 1,2-Dichloroethane	0.37196	0.45196	0.44080	0.42489	0.44883	0.42886	0.42788	6.872	
	41 Benzene	1.13265	1.15453	1.19220	1.18392	1.27084	1.19244	1.18777	3.967	
	42 Trichloroethene	0.22891	0.22973	0.23700	0.24370	0.26484	0.24688	0.24184	5.533	
	43 1,2-Dichloropropane	0.25877	0.28851	0.30130	0.29071	0.31262	0.29444	0.29106	6.204	
	44 1,4-Dioxane	0.00144	0.00182	0.00203	0.00196	0.00227	0.00252	0.00201	18.454	<-
	45 Dibromomethane	0.14457	0.17090	0.17168	0.16758	0.17767	0.16753	0.16665	6.862	
	46 Bromodichloromethane	0.34387	0.34621	0.35824	0.35157	0.38585	0.35834	0.35735	4.250	
	47 2-Chloroethyl vinyl ether	0.10743	0.13913	0.15018	0.16156	0.18475	0.19920	0.15704	20.917	
	48 cis-1,3-Dichloropropene	0.33064	0.40725	0.40145	0.39878	0.45929	0.44476	0.40703	11.036	
	49 4-Methyl-2-pentanone	0.17556	0.22069	0.23828	0.24923	0.28903	0.31603	0.24814	20.070	
	50 Toluene	1.36178	1.60554	1.71457	1.71359	1.89413	1.78356	1.67886	10.843	
	51 trans-1,3-Dichloropropene	0.42962	0.50821	0.50889	0.53037	0.60076	0.59209	0.52832	11.924	
	52 Ethyl Methacrylate	0.28237	0.35235	0.40793	0.44262	0.55327	0.58375	0.43705	26.488	
	53 1,1,2-Trichloroethane	0.33875	0.37979	0.36045	0.34709	0.37394	0.35513	0.35919	4.357	
	54 1,3-Dichloropropane	0.52690	0.64649	0.62238	0.62639	0.68560	0.65376	0.62692	8.611	
	55 Tetrachloroethene	0.21407	0.22650	0.23397	0.23347	0.24854	0.22918	0.23096	4.872	
	56 2-Hexanone	0.17581	0.25667	0.28297	0.29239	0.34382	0.37100	0.28711	23.936	
	57 Dibromochloromethane	0.29408	0.25695	0.28326	0.28037	0.32690	0.31561	0.29286	8.659	
	58 1,2-Dibromoethane	0.26687	0.32193	0.31621	0.31196	0.34665	0.33571	0.31655	8.698	
	59 Chlorobenzene	0.88398	1.02854	1.01900	1.00669	1.09069	1.03123	1.01002	6.755	
	60 1,1,1,2-Tetrachloroethane	0.30512	0.31708	0.32050	0.31559	0.34517	0.32456	0.32134	4.160	
	61 Ethylbenzene	0.37575	0.40497	0.48562	0.50069	0.57381	0.54703	0.48131	16.158	
	62 m + p-Xylene	0.42708	0.54959	0.62933	0.64527	0.71984	0.67257	0.60728	17.217	
M	63 Xylenes (total)	0.43090	0.54299	0.61805	0.63597	0.71397	0.66811	0.60167	16.798	
	64 Xylene-o	0.43855	0.52978	0.59550	0.61738	0.70223	0.65918	0.59044	16.018	
	65 Styrene	0.72246	0.88907	1.05681	1.10606	1.27174	1.19359	1.03995	19.497	

Report Date : 21-Aug-2004 10:34

STL North Canton

INITIAL CALIBRATION DATA

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

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
66 Bromoform	0.14453	0.08979	0.11506	0.12702	0.16256	0.17125	0.13503	22.631 <-
67 Isopropylbenzene	0.87593	1.02150	1.14573	1.20807	1.43509	1.38673	1.17884	18.088
68 1,1,2,2-Tetrachloroethane	1.05388	1.12546	1.05147	0.96715	1.06875	1.09826	1.06083	5.086
69 1,4-Dichloro-2-butene	0.34025	0.32424	0.32153	0.32639	0.35857	0.38874	0.34328	7.631
70 1,2,3-Trichloropropane	0.31086	0.33058	0.32916	0.29807	0.33043	0.34249	0.32360	4.978
71 Bromobenzene	0.65680	0.74676	0.73059	0.72521	0.81837	0.81196	0.74828	8.059
72 n-Propylbenzene	0.46353	0.61007	0.68779	0.74639	0.83724	0.81044	0.69258	20.112
73 2-Chlorotoluene	0.50629	0.64775	0.68604	0.70451	0.78322	0.76097	0.68146	14.534
74 1,3,5-Trimethylbenzene	1.63999	1.97788	2.30369	2.33259	2.72927	2.68850	2.27865	18.337
75 4-Chlorotoluene	0.57464	0.68153	0.78101	0.75970	0.81802	0.79695	0.73531	12.469
76 tert-Butylbenzene	1.27930	1.45763	1.59614	1.73493	2.03735	2.04078	1.69102	18.269
77 1,2,4-Trimethylbenzene	1.71847	2.00296	2.39536	2.52821	2.85428	2.80455	2.38397	18.825
78 sec-Butylbenzene	2.05622	2.30067	2.46748	2.70367	3.13786	3.07250	2.62307	16.379
79 4-Isopropyltoluene	1.50266	1.70614	2.03255	2.12894	2.51575	2.44025	2.05438	19.391
80 1,3-Dichlorobenzene	1.29315	1.36235	1.38173	1.33487	1.46976	1.40813	1.37500	4.435
81 1,4-Dichlorobenzene	1.38932	1.49734	1.47390	1.42389	1.57981	1.46840	1.47211	4.447
82 n-Butylbenzene	1.60535	1.77829	1.95096	2.09498	2.45809	2.47355	2.06020	17.212
83 1,2-Dichlorobenzene	1.30381	1.33585	1.37044	1.37178	1.53972	1.42321	1.39080	5.980
84 1,2-Dibromo-3-chloropropane	0.13517	0.11249	0.12668	0.14027	0.15040	0.17355	0.13976	14.979
85 1,2,4-Trichlorobenzene	0.53445	0.51268	0.55750	0.57151	0.65880	0.67602	0.58516	11.452
86 Hexachlorobutadiene	0.22951	0.22489	0.21441	0.21463	0.23746	0.22730	0.22470	3.982
87 Naphthalene	1.31353	1.40879	1.58702	1.90591	2.38722	2.67563	1.87968	29.330
88 1,2,3-Trichlorobenzene	0.40651	0.46914	0.48037	0.53619	0.61211	0.62085	0.52086	16.280
89 Ethyl Ether	0.25607	0.25375	0.23960	0.22437	0.23124	0.23562	0.24011	5.227
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
91 3-Chloropropene	0.17808	0.15573	0.13924	0.13382	0.13714	0.14153	0.14759	11.342
92 Isopropyl Ether	0.25442	0.24257	0.23883	0.22766	0.23047	0.23560	0.23826	4.026
93 2-Chloro-1,3-butadiene	0.48933	0.48297	0.46199	0.42698	0.43864	0.46009	0.46000	5.270
94 Propionitrile	0.04987	0.04914	0.04457	0.04060	0.04246	0.04284	0.04491	8.414
95 Ethyl Acetate	0.29777	0.29113	0.28943	0.26373	0.28197	0.28427	0.28472	4.102
96 Methacrylonitrile	0.20941	0.19777	0.19307	0.17092	0.17943	0.17924	0.18831	7.589
97 Isobutanol	0.01451	0.01422	0.01364	0.01163	0.01303	0.01316	0.01336	7.693
98 Cyclohexane	0.28349	0.32757	0.38692	0.39446	0.45790	0.44549	0.38264	17.584

Report Date : 21-Aug-2004 10:34

STL North Canton

INITIAL CALIBRATION DATA

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

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
99 n-Butanol	0.01506	0.01266	0.01251	0.01091	0.01260	0.01199	0.01262	10.812	
100 Methyl Methacrylate	0.29136	0.28151	0.27668	0.25084	0.26683	0.26969	0.27282	5.087	
101 2-Nitropropane	0.09057	0.08557	0.08575	0.07536	0.08322	0.08355	0.08400	5.934	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	0.15315	0.14265	0.12390	0.11836	0.11767	0.11600	0.12862	12.070	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M 137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 1,3,5-Trichlorobenzene	0.62425	0.63025	0.67689	0.66525	0.74783	0.73101	0.67925	7.510	
143 Methyl Acetate	0.18739	0.18973	0.18978	0.18494	0.19735	0.20992	0.19318	4.758	
144 Methylcyclohexane	0.19884	0.26275	0.28773	0.30629	0.35798	0.34160	0.29253	19.678	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	0.17224	0.27684	0.67836	0.85707	0.96410	1.03590	0.66408	54.609	<-
$ 4 Dibromofluoromethane	0.21118	0.20258	0.22957	0.22831	0.23197	0.23179	0.22257	5.628	
$ 5 1,2-Dichloroethane-d4	0.32251	0.29856	0.34106	0.34586	0.34384	0.34734	0.33320	5.772	
$ 6 Toluene-d8	1.10544	1.13379	1.31809	1.36797	1.37721	1.43010	1.28877	10.557	
$ 7 Bromofluorobenzene	0.34591	0.34314	0.41372	0.43075	0.45217	0.47994	0.41094	13.631	

eport Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

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

ılibration File Names:
:vel 1: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77660.D
:vel 2: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77661.D
:vel 3: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77662.D
:vel 4: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77663.D
:vel 5: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77664.D
:vel 6: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77665.D

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
8 Dichlorodifluoromethane	0.33442	0.27115	0.23497	0.23928	0.27495	0.23394	AVRG		0.26478		14.60974
9 Chloromethane	56018	81809	198918	385116	877759	1677260	QUAD	0.02682	2.13435	0.35861	0.99795
10 Vinyl Chloride	55156	78739	183244	366039	867004	1667330	QUAD	0.03764	2.20103	0.32001	0.99721
11 Bromomethane	33802	51539	124234	263319	711867	1557294	QUAD	0.07031	3.05648	-0.15572	0.99656
12 Chloroethane	40121	59627	139059	281106	718086	1758771	QUAD	0.01747	3.28362	-0.46814	0.99828
13 Trichlorofluoromethane	0.38578	0.41272	0.39356	0.38695	0.45364	0.43473	AVRG		0.41123		6.79373
14 Dichlorofluoromethane	94426	152427	339062	636441	1275165	2613190	QUAD	-0.05658	2.50410	-0.12045	0.99998
15 Acrolein	0.04171	0.04831	0.04809	0.04817	0.05068	0.05336	AVRG		0.04839		7.98767
16 Acetone	42041	70928	150979	283496	603189	1346081	QUAD	-0.13482	7.53401	-0.59053	0.99984

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

STL North Canton

INITIAL CALIBRATION DATA

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

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
17 1,1-Dichloroethene	0.22765	0.23936	0.25074	0.24313	0.26343	0.24656	AVRG		0.24515		4.86598
18 Freon-113	0.11483	0.14829	0.16096	0.15383	0.16487	0.15512	AVRG		0.14965		12.03261
19 Iodomethane	0.28725	0.33843	0.34173	0.33448	0.36230	0.34179	AVRG		0.33433		7.47950
20 Carbon Disulfide	1.01748	0.98366	1.00167	0.95184	1.00302	0.94517	AVRG		0.98381		2.99374
21 Methylene Chloride	51916	82363	166007	313659	661716	1327441	QUAD	-0.05297	3.11886	0.27875	0.99943
22 Acetonitrile	0.03070	0.03504	0.03351	0.03260	0.03494	0.03397	AVRG		0.03346		4.87399
23 Acrylonitrile	0.09282	0.11017	0.11125	0.10927	0.11641	0.12400	AVRG		0.11065		9.32091
24 Methyl tert-butyl ether	0.56165	0.61109	0.64978	0.64311	0.72627	0.73635	AVRG		0.65471		10.24792
25 trans-1,2-Dichloroethene	0.26748	0.27083	0.28465	0.28564	0.30669	0.28778	AVRG		0.28384		4.92755
26 Hexane	1799	7552	21375	41928	104639	202403	QUAD	0.09974	17.42982	23.70608	0.99725
27 Vinyl acetate	35038	83979	218040	484378	1105684	2662905	QUAD	0.03831	2.01693	-0.14250	0.99983
28 1,1-Dichloroethane	0.47051	0.53180	0.52172	0.51159	0.53906	0.51407	AVRG		0.51479		4.67680
29 tert-Butyl Alcohol	29061	58826	171074	366898	848144	2174817	QUAD	0.66792	54.12610	-6.70315	0.99987
30 2-Butanone	0.11816	0.15607	0.14748	0.15019	0.16667	0.17561	AVRG		0.15236		12.98509
31 1,2-Dichloroethene (total)	0.24573	0.27086	0.28054	0.28991	0.31064	0.29153	AVRG		0.28154		7.80377
32 cis-1,2-dichloroethene	0.22399	0.27089	0.27644	0.29417	0.31459	0.29528	AVRG		0.27923		11.16588
33 2,2-Dichloropropane	0.28174	0.30262	0.32104	0.31959	0.35708	0.34217	AVRG		0.32071		8.40228

eport Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

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

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
34 Bromochloromethane	0.12244	0.12628	0.13407	0.12500	0.13392	0.12320	AVRG		0.12748		4.09483	
35 Chloroform	0.47490	0.50848	0.50467	0.48115	0.51939	0.48505	AVRG		0.49561		3.56704	
36 Tetrahydrofuran	0.06826	0.05811	0.06713	0.06709	0.07353	0.08054	AVRG		0.06911		10.82523	
37 1,1,1-Trichloroethane	0.35164	0.40539	0.40671	0.38784	0.42448	0.40629	AVRG		0.39706		6.31859	
38 1,1-Dichloropropene	0.27225	0.32113	0.34158	0.35541	0.38727	0.36648	AVRG		0.34069		11.82794	
39 Carbon Tetrachloride	0.28601	0.30389	0.30938	0.30742	0.32764	0.30756	AVRG		0.30698		4.32748	
40 1,2-Dichloroethane	0.37196	0.45196	0.44080	0.42489	0.44883	0.42886	AVRG		0.42788		6.87171	
41 Benzene	1.13265	1.15453	1.19220	1.18392	1.27084	1.19244	AVRG		1.18777		3.96669	
42 Trichloroethene	0.22891	0.22973	0.23700	0.24370	0.26484	0.24688	AVRG		0.24184		5.53308	
43 1,2-Dichloropropane	0.25877	0.28851	0.30130	0.29071	0.31262	0.29444	AVRG		0.29106		6.20388	
44 1,4-Dioxane	6796	17615	49201	99196	235884	569906	QUAD	1.93166	477	-167	0.99957	<-
45 Dibromomethane	0.14457	0.17090	0.17168	0.16758	0.17767	0.16753	AVRG		0.16665		6.86219	
46 Bromodichloromethane	0.34387	0.34621	0.35824	0.35157	0.38585	0.35834	AVRG		0.35735		4.24973	
47 2-Chloroethyl vinyl ether	20252	53742	145596	327033	768502	1802567	QUAD	0.11829	5.69056	-0.47137	0.99962	
48 cis-1,3-Dichloropropene	0.33064	0.40725	0.40145	0.39878	0.45929	0.44476	AVRG		0.40703		11.03643	
49 4-Methyl-2-pentanone	33097	85243	231007	504485	1202280	2859682	QUAD	0.10979	3.68701	-0.22557	0.99955	
50 Toluene	1.36178	1.60554	1.71457	1.71359	1.89413	1.78356	AVRG		1.67886		10.84335	

Report Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 20-APR-2004 14:54
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uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
al Date : 21-Aug-2004 10:30 tapsvc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
51 trans-1,3-Dichloropropene	0.42962	0.50821	0.50889	0.53037	0.60076	0.59209	AVRG		0.52832		11.92397	
52 Ethyl Methacrylate	18310	46849	137580	312101	798445	1848169	QUAD	0.09265	1.87852	-0.08973	0.99856	
53 1,1,2-Trichloroethane	0.33875	0.37979	0.36045	0.34709	0.37394	0.35513	AVRG		0.35919		4.35663	
54 1,3-Dichloropropane	0.52690	0.64649	0.62238	0.62639	0.68560	0.65376	AVRG		0.62692		8.61135	
55 Tetrachloroethene	0.21407	0.22650	0.23397	0.23347	0.24854	0.22918	AVRG		0.23096		4.87151	
56 2-Hexanone	22800	68255	190870	412341	992360	2349194	QUAD	0.12727	3.06786	-0.14129	0.99942	
57 Dibromochloromethane	0.29408	0.25695	0.28326	0.28037	0.32690	0.31561	AVRG		0.29286		8.65902	
58 1,2-Dibromoethane	0.26687	0.32193	0.31621	0.31196	0.34665	0.33571	AVRG		0.31655		8.69849	
59 Chlorobenzene	0.88398	1.02854	1.01900	1.00669	1.09069	1.03123	AVRG		1.01002		6.75537	
60 1,1,1,2-Tetrachloroethane	0.30512	0.31708	0.32050	0.31559	0.34517	0.32456	AVRG		0.32134		4.15995	
61 Ethylbenzene	24365	53845	163780	353051	828082	1731921	QUAD	0.07600	1.66002	0.05848	0.99897	
62 m + p-Xylene	55387	146150	424498	909985	2077655	4258757	QUAD	0.14693	1.28478	0.03169	0.99915	
63 Xylenes (total)	83824	216592	625338	1345314	3091065	6345762	QUAD	0.22303	1.30055	0.02045	0.99908	
64 Xylene-o	28437	70441	200839	435329	1013410	2087004	QUAD	0.07626	1.33279	0.05709	0.99891	
65 Styrene	46847	118212	356421	779914	1835280	3778950	QUAD	0.08562	0.73242	0.01774	0.99881	
66 Bromoform	9372	11938	38807	89567	234595	542169	QUAD	0.09117	6.44782	-1.10764	0.99771	<-
67 Isopropylbenzene	56799	135821	386411	851840	2071013	4390436	QUAD	0.08356	0.67718	0.00478	0.99857	

eport Date : 21-Aug-2004 10:40

STL North Canton

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:thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
ıl Date : 21-Aug-2004 10:30 tapsvc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
68 1,1,2,2-Tetrachloroethane	1.05388	1.12546	1.05147	0.96715	1.06875	1.09826	AVRG		1.06083		5.08574
69 1,4-Dichloro-2-butene	0.34025	0.32424	0.32153	0.32639	0.35857	0.38874	AVRG		0.34328		7.63117
70 1,2,3-Trichloropropane	0.31086	0.33058	0.32916	0.29807	0.33043	0.34249	AVRG		0.32360		4.97838
71 Bromobenzene	0.65680	0.74676	0.73059	0.72521	0.81837	0.81196	AVRG		0.74828		8.05913
72 n-Propylbenzene	12445	36224	107765	247123	567500	1165686	QUAD	0.07712	1.14398	0.01952	0.99931
73 2-Chlorotoluene	0.50629	0.64775	0.68604	0.70451	0.78322	0.76097	AVRG		0.68146		14.53441
74 1,3,5-Trimethylbenzene	44031	117440	360952	772303	1849956	3866971	QUAD	0.07208	0.36236	0.00018	0.99900
75 4-Chlorotoluene	0.57464	0.68153	0.78101	0.75970	0.81802	0.79695	AVRG		0.73531		12.46922
76 tert-Butylbenzene	34347	86549	250089	574421	1380964	2935340	QUAD	0.07713	0.49174	-0.00152	0.99895
77 1,2,4-Trimethylbenzene	46138	118929	375315	837071	1934692	4033903	QUAD	0.07234	0.34166	0.00069	0.99937
78 sec-Butylbenzene	55206	136606	386614	895164	2126908	4419299	QUAD	0.07740	0.31276	0.00045	0.99889
79 4-Isopropyltoluene	40344	101305	318468	704876	1705233	3509911	QUAD	0.08422	0.38621	0.00140	0.99872
80 1,3-Dichlorobenzene	1.29315	1.36235	1.38173	1.33487	1.46976	1.40813	AVRG		1.37500		4.43484
81 1,4-Dichlorobenzene	1.38932	1.49734	1.47390	1.42389	1.57981	1.46840	AVRG		1.47211		4.44739
82 n-Butylbenzene	43101	105589	305684	693631	1666150	3557808	QUAD	0.07317	0.41003	-0.00143	0.99900
83 1,2-Dichlorobenzene	1.30381	1.33585	1.37044	1.37178	1.53972	1.42321	AVRG		1.39080		5.98034
84 1,2-Dibromo-3-chloropropane	0.13517	0.11249	0.12668	0.14027	0.15040	0.17355	AVRG		0.13976		14.97907

eport Date : 21-Aug-2004 10:40

STL North Canton

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tart Cal Date : 20-APR-2004 14:54
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uant Method : ISTD
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ethod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
al Date : 21-Aug-2004 10:30 tapsvc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
85 1,2,4-Trichlorobenzene	0.53445	0.51268	0.55750	0.57151	0.65880	0.67602	AVRG		0.58516		11.45228	
86 Hexachlorobutadiene	0.22951	0.22489	0.21441	0.21463	0.23746	0.22730	AVRG		0.22470		3.98183	
87 Naphthalene	35266	83649	248661	631030	1618107	3848461	QUAD	0.09927	0.44658	-0.00774	0.99859	
88 1,2,3-Trichlorobenzene	10914	27856	75266	177529	414905	892987	QUAD	0.06727	1.65070	-0.02834	0.99925	
89 Ethyl Ether	0.25607	0.25375	0.23960	0.22437	0.23124	0.23562	AVRG		0.24011		5.22683	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.17808	0.15573	0.13924	0.13382	0.13714	0.14153	AVRG		0.14759		11.34158	
92 Isopropyl Ether	0.25442	0.24257	0.23883	0.22766	0.23047	0.23560	AVRG		0.23826		4.02566	
93 2-Chloro-1,3-butadiene	0.48933	0.48297	0.46199	0.42698	0.43864	0.46009	AVRG		0.46000		5.27011	
94 Propionitrile	0.04987	0.04914	0.04457	0.04060	0.04246	0.04284	AVRG		0.04491		8.41417	
95 Ethyl Acetate	0.29777	0.29113	0.28943	0.26373	0.28197	0.28427	AVRG		0.28472		4.10165	
96 Methacrylonitrile	0.20941	0.19777	0.19307	0.17092	0.17943	0.17924	AVRG		0.18831		7.58862	
97 Isobutanol	0.01451	0.01422	0.01364	0.01163	0.01303	0.01316	AVRG		0.01336		7.69314	
98 Cyclohexane	26722	63264	187557	399226	952374	2015573	QUAD	0.07367	2.13042	0.03755	0.99900	
99 n-Butanol	0.01506	0.01266	0.01251	0.01091	0.01260	0.01199	AVRG		0.01262		10.81213	
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	

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

STL North Canton

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ıl Date : 21-Aug-2004 10:30 tapsvc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	0.15315	0.14265	0.12390	0.11836	0.11767	0.11600	AVRG		0.12862		12.07030	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	0.62425	0.63025	0.67689	0.66525	0.74783	0.73101	AVRG		0.67925		7.50973	
143 Methyl Acetate	0.18739	0.18973	0.18978	0.18494	0.19735	0.20992	AVRG		0.19318		4.75761	
144 Methylcyclohexane	18743	50745	139475	309990	744552	1545527	QUAD	0.08471	2.66617	0.13876	0.99869	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	14733	46860	289459	738092	1673833	3576115	QUAD	0.25376	1.02123	-0.01053	0.99968	

STL North Canton

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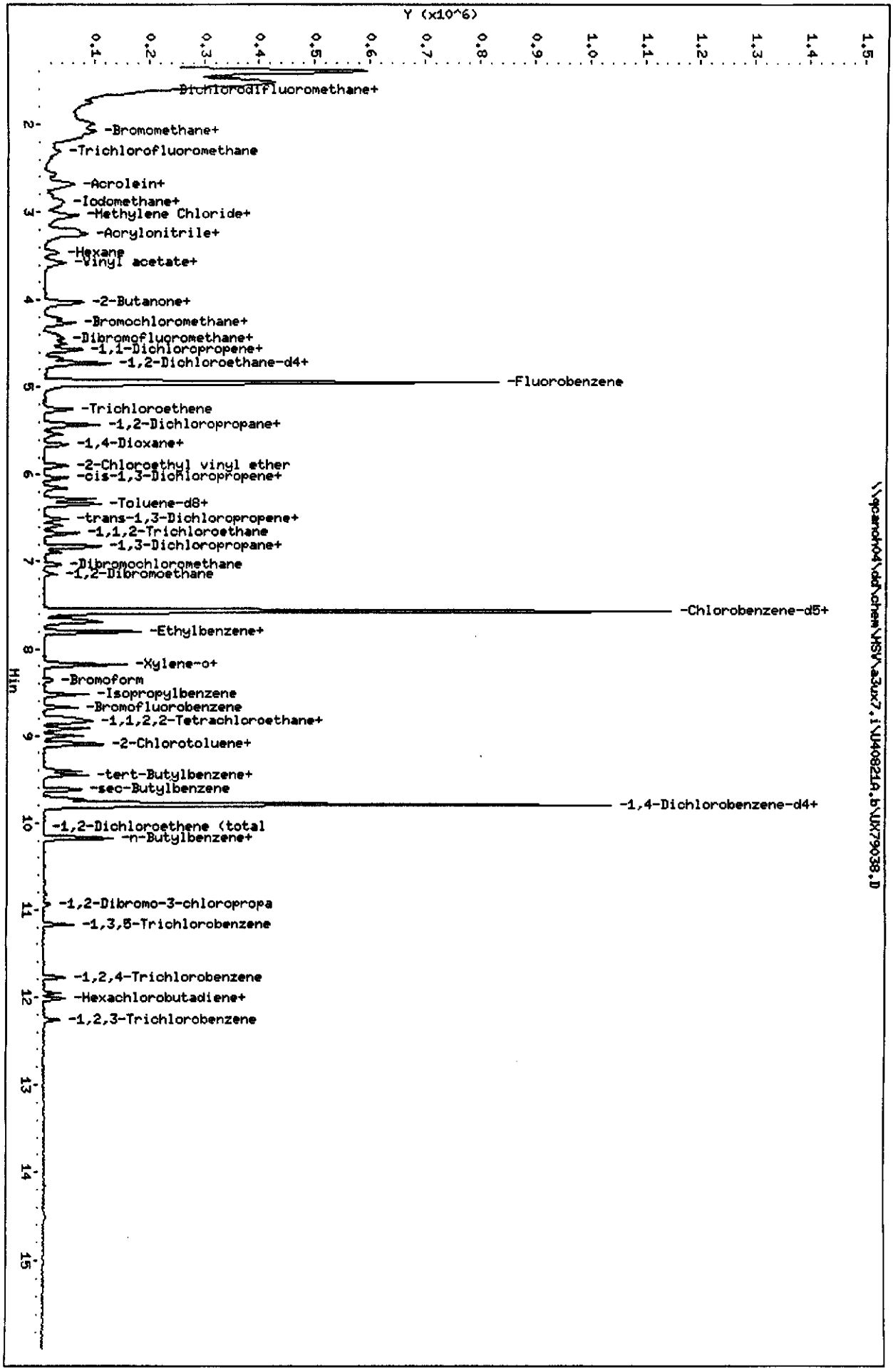
ıl Date : 21-Aug-2004 10:30 tapsvc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
4 Dibromofluoromethane	0.21118	0.20258	0.22957	0.22831	0.23197	0.23179	AVRG		0.22257		5.62813
5 1,2-Dichloroethane-d4	0.32251	0.29856	0.34106	0.34586	0.34384	0.34734	AVRG		0.33320		5.77171
6 Toluene-d8	1.10544	1.13379	1.31809	1.36797	1.37721	1.43010	AVRG		1.28877		10.55708
7 Bromofluorobenzene	0.34591	0.34314	0.41372	0.43075	0.45217	0.47994	AVRG		0.41094		13.63062

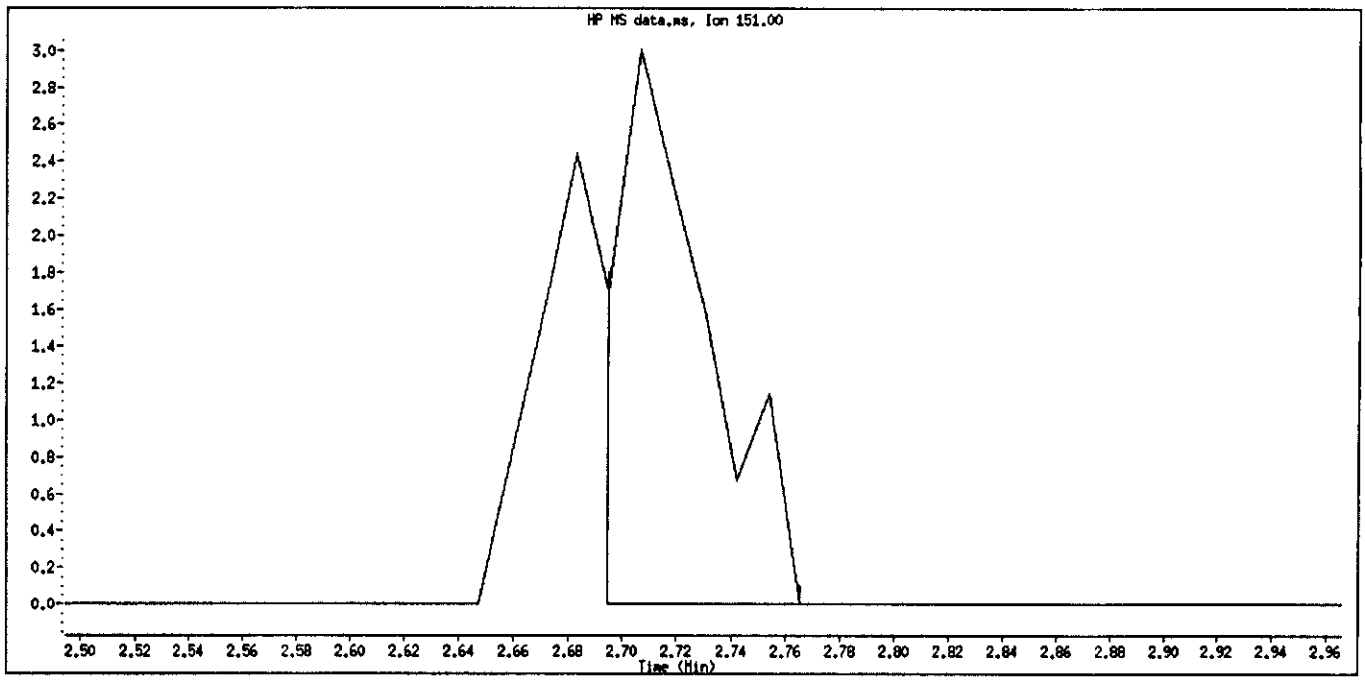
urve	Formula	Units
veraged	Amt = Rsp/m1	Response
uad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U408210.b\UX79038.D
Date : 21-AUG-2004 08:18
Client ID:
Sample Info: 5N08260CAL
Purge Volume: 5.0
Column phase: DB624 20m

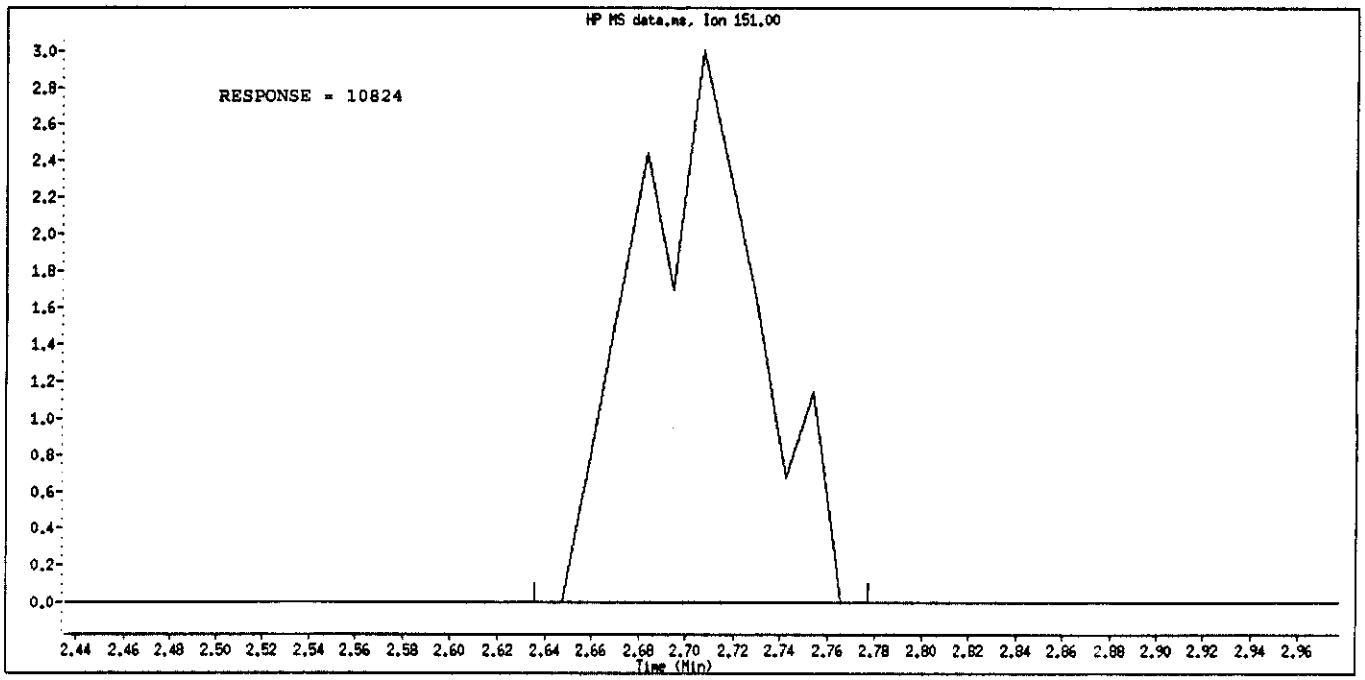
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18



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



Original Integration



Manual Integration

Manually Integrated By: RoachC
Manual Integration Reason: Poor Chromatography

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

STL North Canton

VOLATILE REPORT SW-846 Method

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

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

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

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

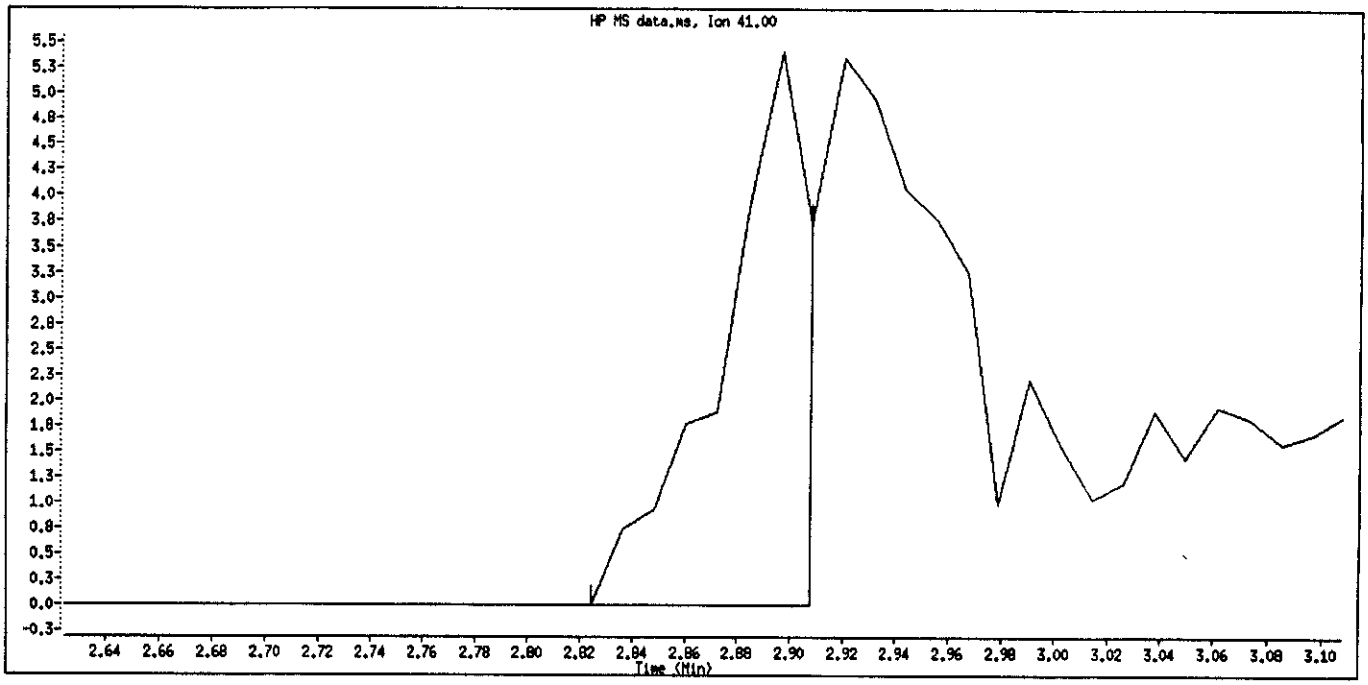
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79038.D
Report Date: 23-Aug-2004 09:43

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

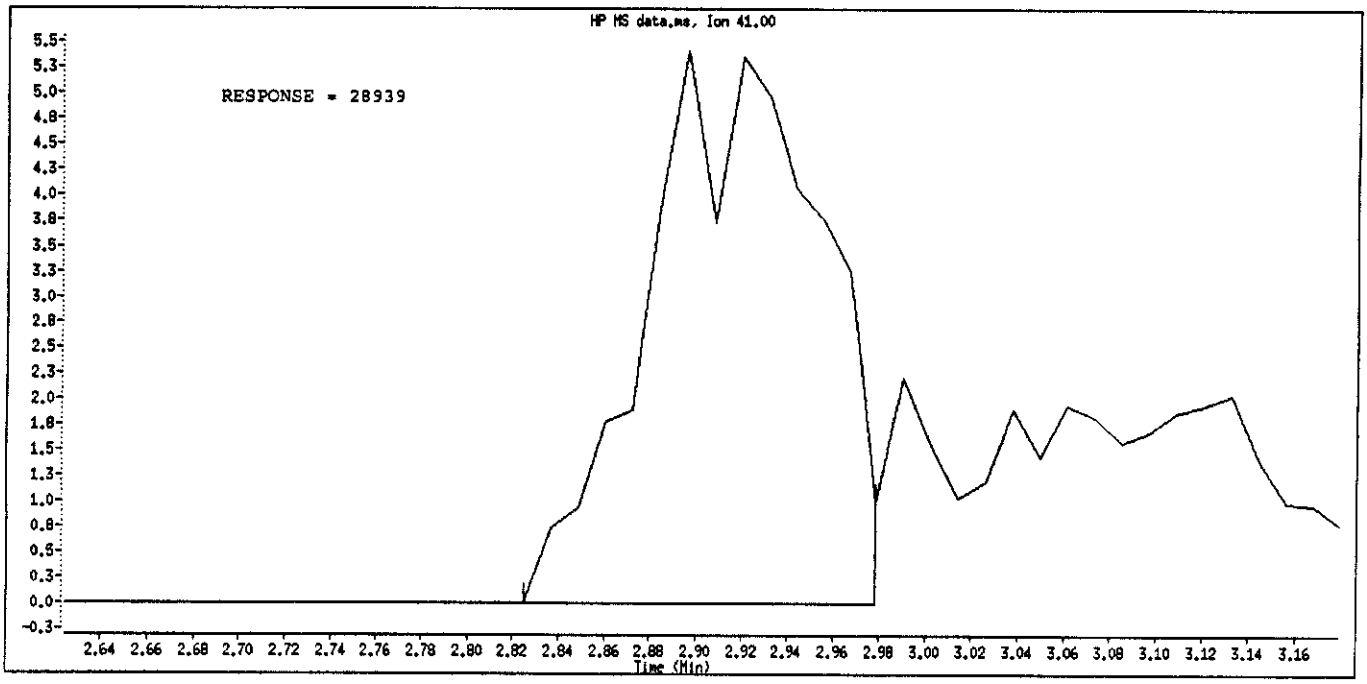
QC Flag Legend

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

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

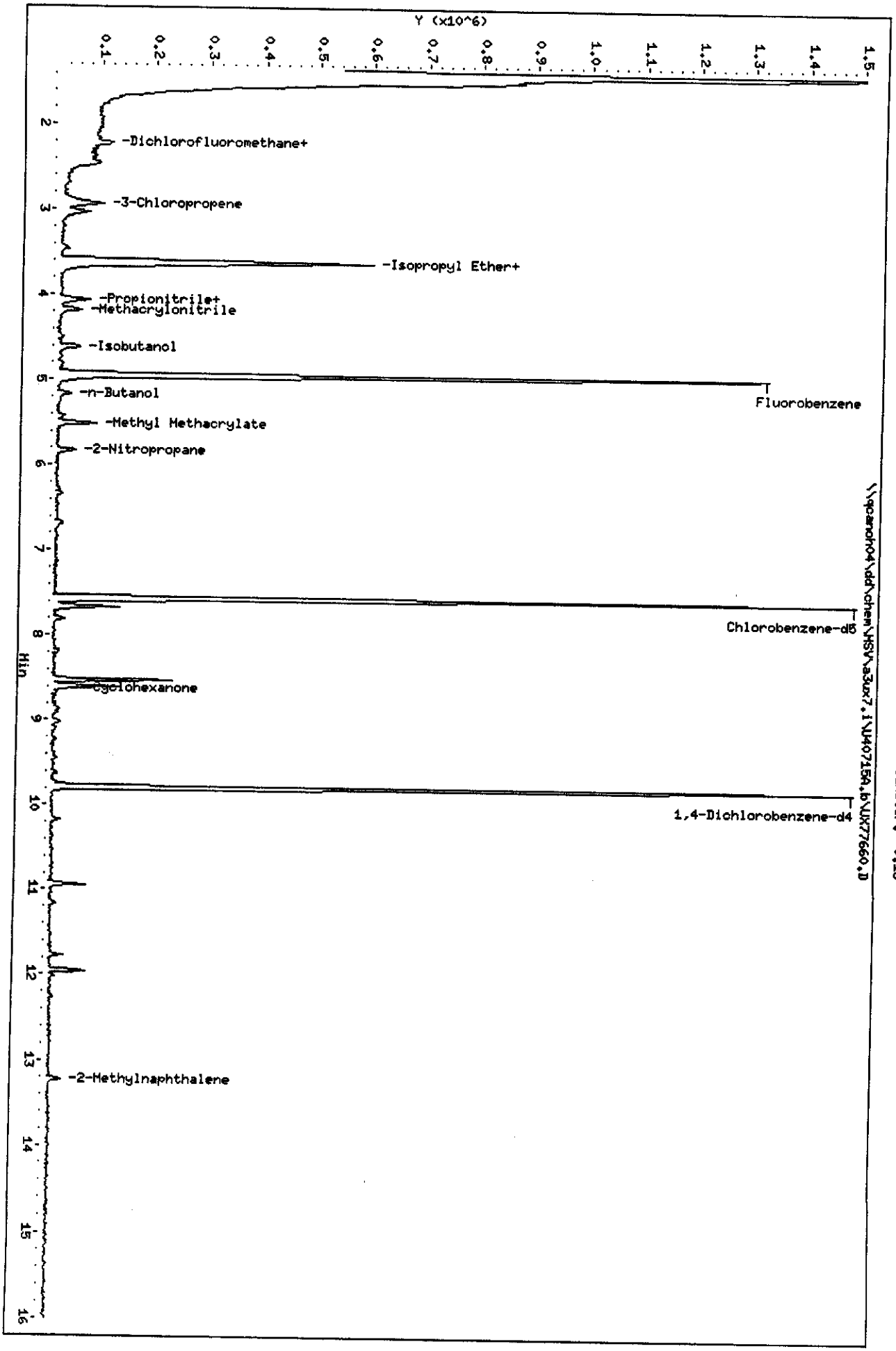


Original Integration



Manual Integration

Manually Integrated By: RoachC
Manual Integration Reason: Poor Chromatography


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40715A.b\UX77660.D
Date : 15-JUL-2004 12:34
Client ID:
Sample Info: 5.0NGA9CAL
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
-Dichlorofluoromethane+
-3-Chloropropene
-Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
-n-Butanol
Fluorobenzene
-Methyl Methacrylate
-2-Nitropropane
\\qcanoh04\dd\chem\HSV\a3ux7.i\U40715A.b\UX77660.D
Chlorobenzene-d5
Min
Cyclohexanone
1,4-Dichlorobenzene-d4
-2-Methylnaphthalene
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77660.D
Report Date: 16-Jul-2004 08:37

STL North Canton

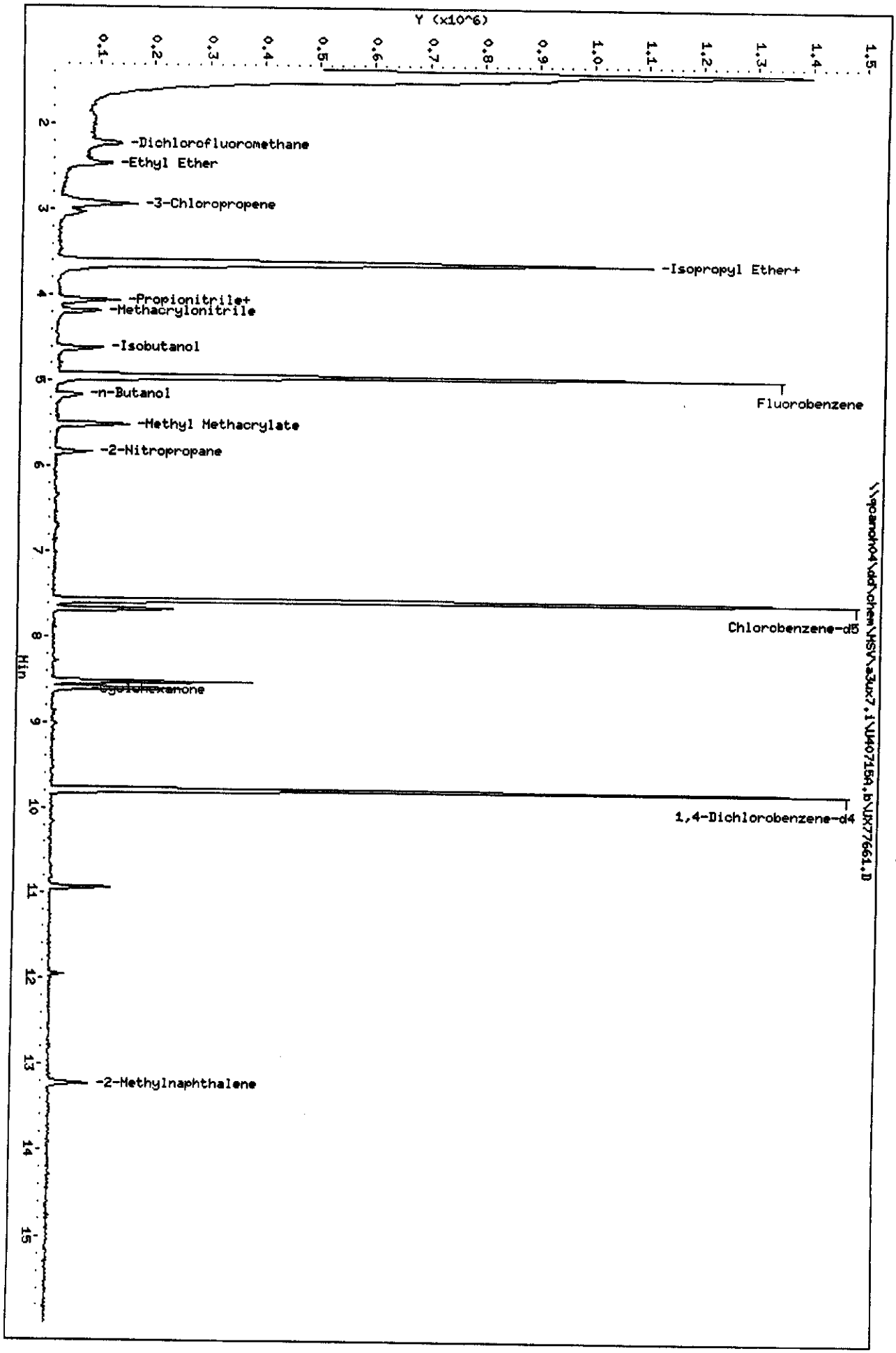
VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\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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Date : 15-JUL-2004 12:58
Client ID:
Sample Info: 10NCA9CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-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

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

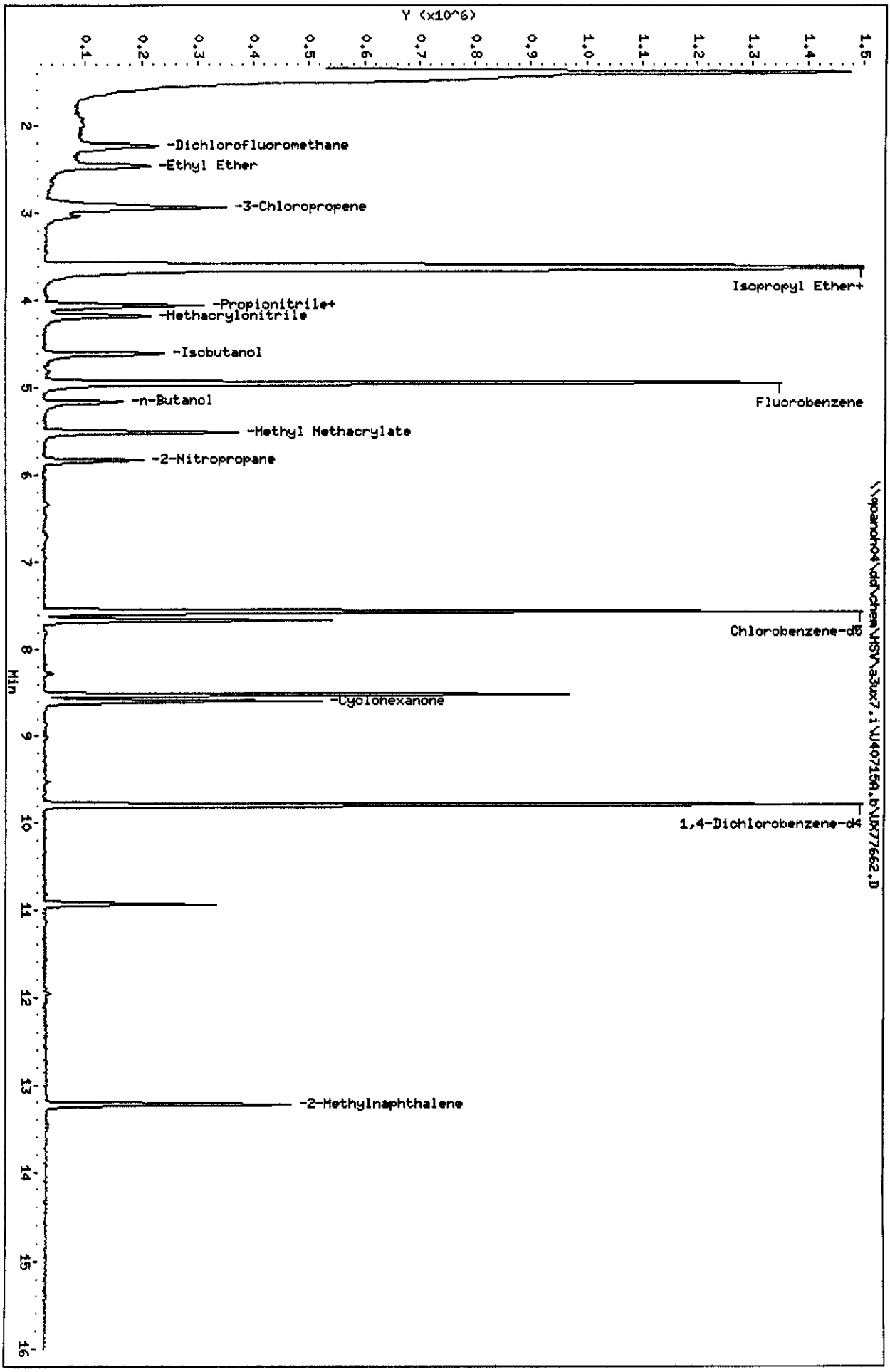
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77661.D
Report Date: 16-Jul-2004 08:38

QC Flag Legend

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

Data File: \\qcandh04\dd\chem\MSV\a3ux7.i\U407150.b\UX77662.D
Date : 15-JUL-2004 13:21
Client ID:
Sample Info: 25NGA9CAL
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\UX77662.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\UX77662.D
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

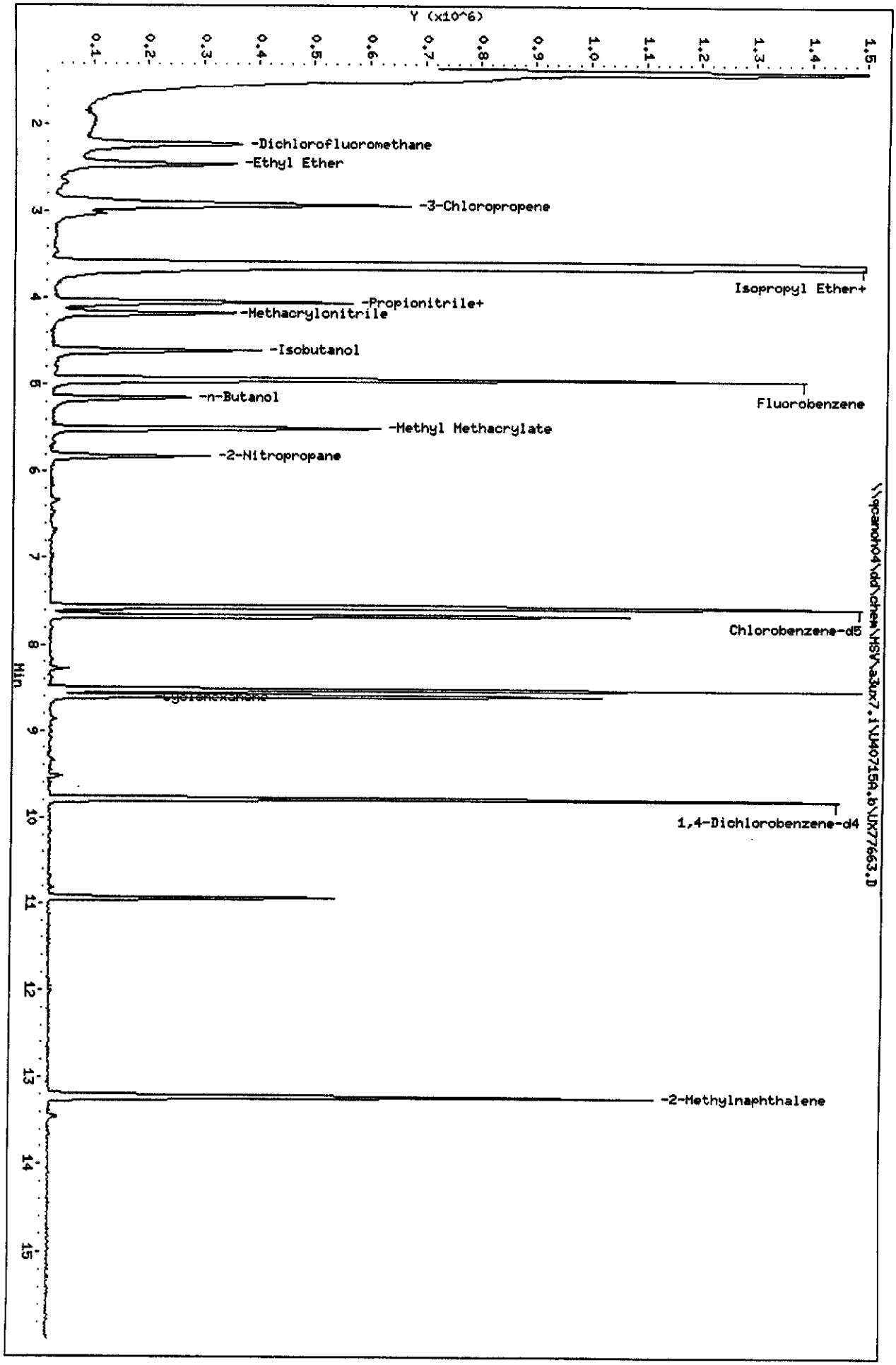
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS 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: \\qcanoh04\dd\chem\HSV\a3ux7.i\U407150.b\UX77663.D
Date : 15-JUL-2004 14:09
Client ID:
Sample Info: 50NGA9CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
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
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
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
-2-Methylnaphthalene
\\qcanoh04\dd\chem\HSV\a3ux7.i\U407150.b\UX77663.D

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

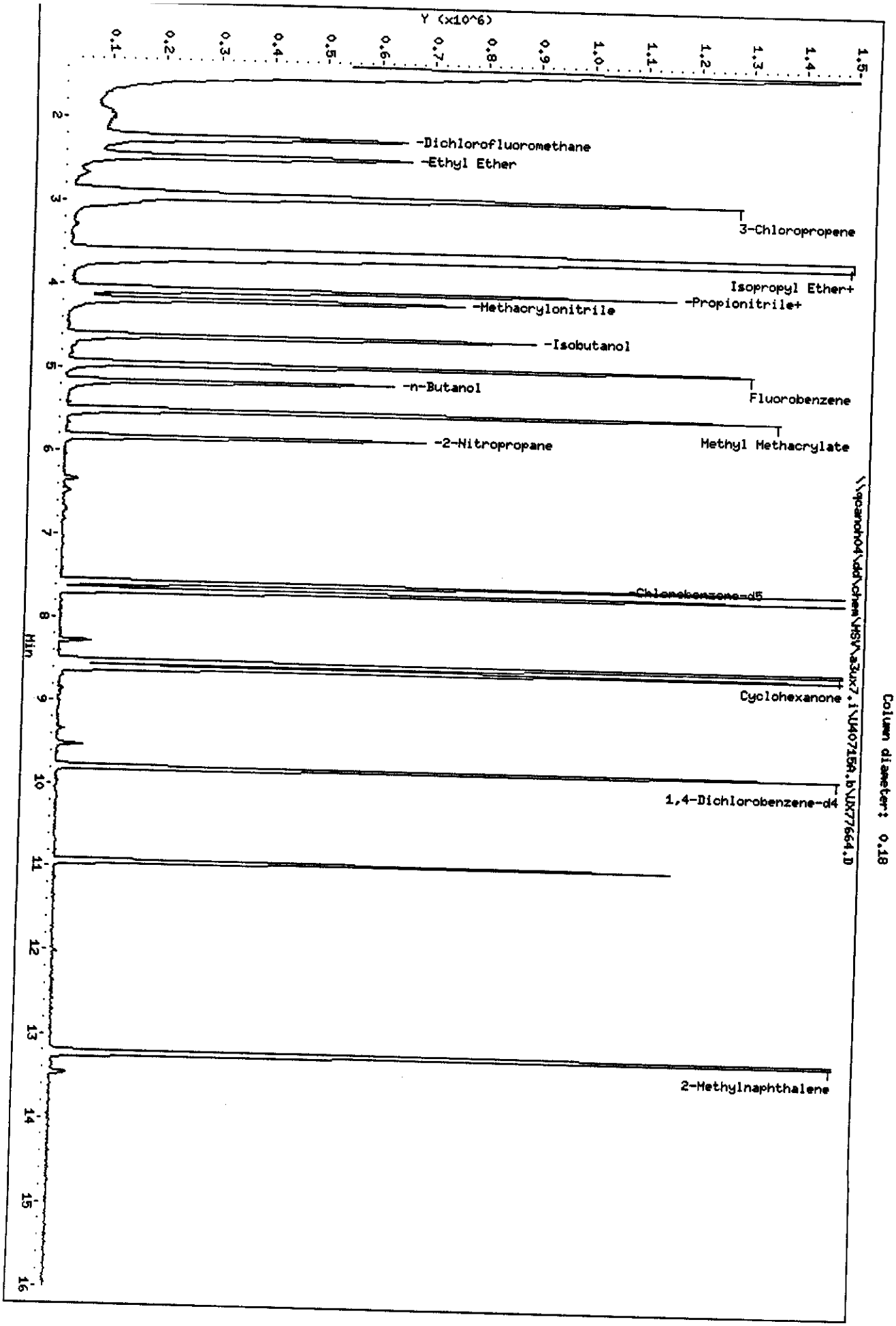
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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: \\qcanoh04\dd\chem\MSV\a3ux7.i\U407150.b\UX77664.D
Date : 15-JUL-2004 14:33
Client ID:
Sample Info: 100NGA9CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorofluoromethane
-Ethyl Ether
3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
-n-Butanol
Fluorobenzene
Methyl Methacrylate
-2-Nitropropane
\\qcanoh04\dd\chem\MSV\a3ux7.i\U407150.b\UX77664.D
-Chlorobenzene-d5
Cyclohexanone
1,4-Dichlorobenzene-d4
2-Methylnaphthalene

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77664.D
Report Date: 16-Jul-2004 08:40

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77664.D
Lab Smp Id: 100NGA9CAL
Inj Date : 15-JUL-2004 14:33
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 100NGA9CAL
Misc Info : U40715A,N8260UX7-3,3-IX.SUB,1754,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:40 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: 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)	1486280	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.568	(1.000)	1001253	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	434039	50.0000	
14 Dichlorofluoromethane	67	2.231	2.231	(0.451)	1275165	100.000	100.16
89 Ethyl Ether	59	2.468	2.468	(0.498)	687370	100.000	96.306
91 3-Chloropropene	76	2.941	2.941	(0.594)	407653	100.000	92.920
92 Isopropyl Ether	87	3.615	3.615	(0.730)	3425457	500.000	483.66(A)
93 2-Chloro-1,3-butadiene	53	3.639	3.639	(0.735)	1303884	100.000	95.356
94 Propionitrile	54	4.053	4.053	(0.818)	252425	200.000	189.07
95 Ethyl Acetate	43	4.053	4.053	(0.818)	1676369	200.000	198.07
96 Methacrylonitrile	41	4.183	4.183	(0.845)	533356	100.000	95.285
97 Isobutanol	41	4.609	4.609	(0.609)	522035	2000.00	1950.7(A)
99 n-Butanol	56	5.154	5.154	(0.681)	504693	2000.00	1996.7(A)
100 Methyl Methacrylate	41	5.509	5.509	(1.112)	793168	100.000	97.804
101 2-Nitropropane	41	5.828	5.828	(1.177)	494724	200.000	198.13
103 Cyclohexanone	55	8.597	8.597	(0.878)	1021424	1000.00	914.81(A)
146 2-Methylnaphthalene	142	13.224	13.224	(1.350)	1673833	200.000	201.77

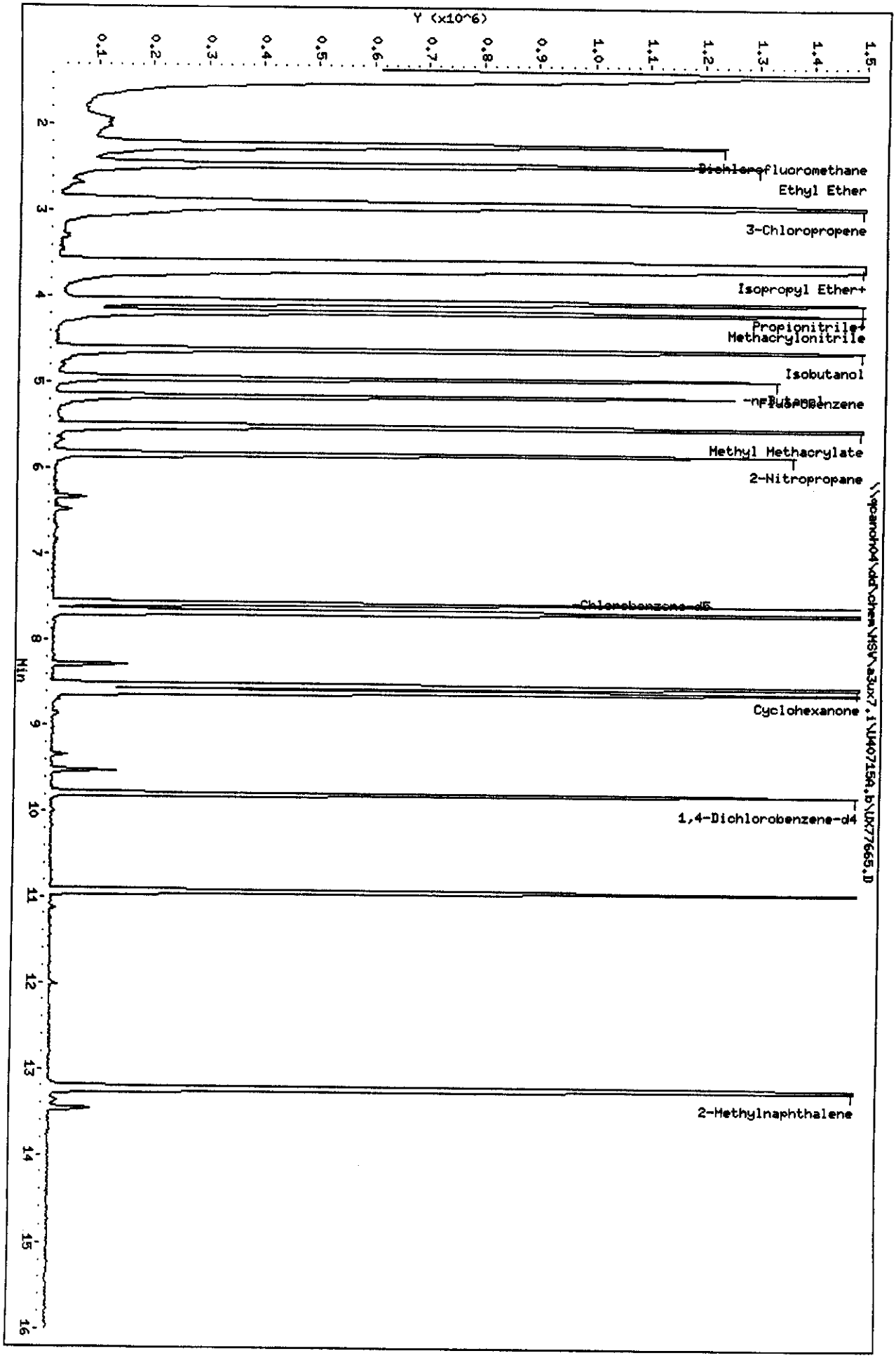
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77664.D
Report Date: 16-Jul-2004 08:40

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U407150.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

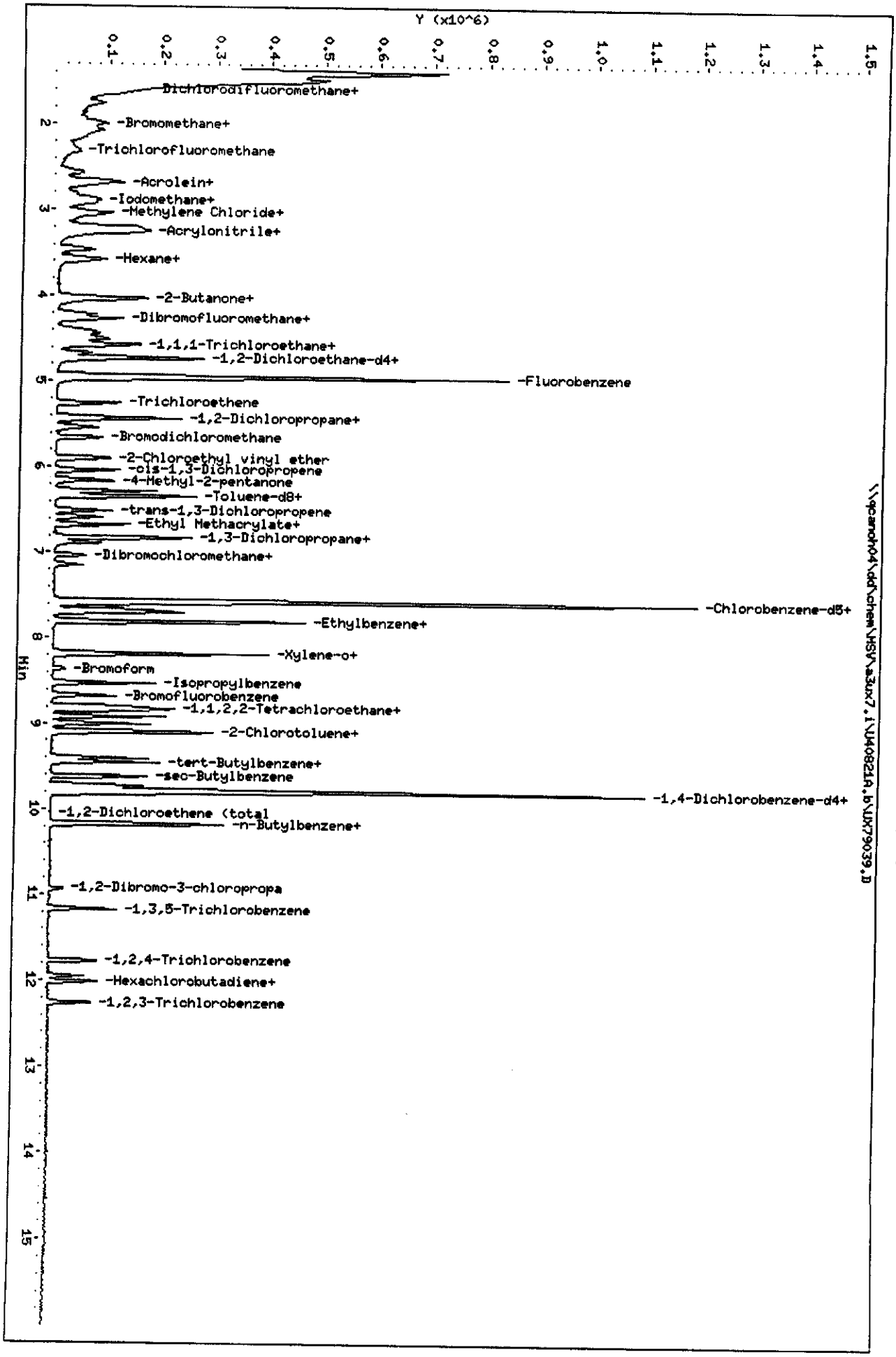
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77665.D
Report Date: 16-Jul-2004 08:41

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40821A.b\UX79039.D
Date : 21-AUG-2004 08:41
Client ID:
Sample Info: 10NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



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

STL North Canton

VOLATILE REPORT SW-846 Method

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

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

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

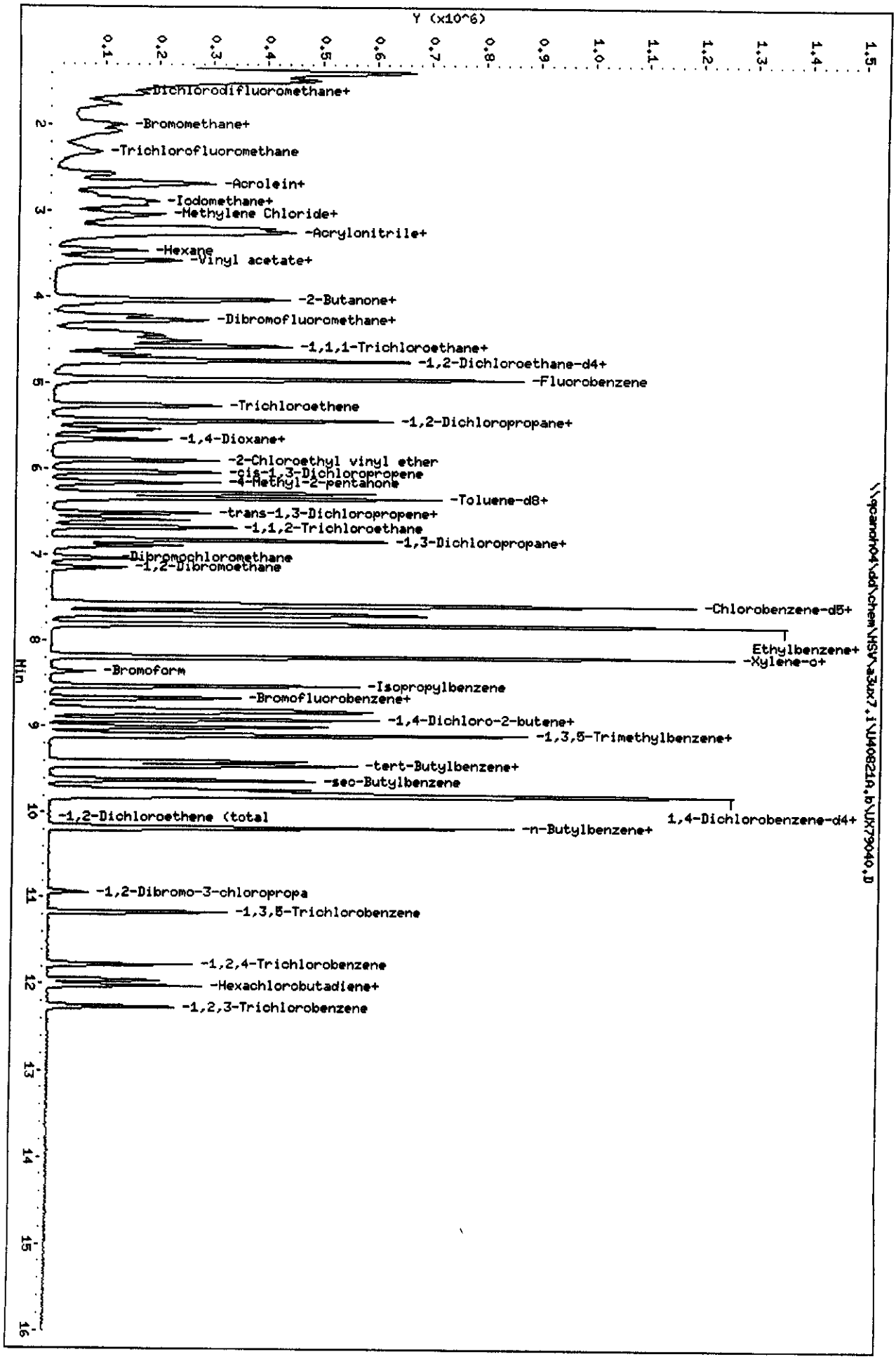
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.801	2.801	(0.565)	65361	10.0000	10.123
	20 Carbon Disulfide	76	2.884	2.884	(0.582)	189974	10.0000	9.998
	21 Methylene Chloride	84	3.038	3.038	(0.613)	82363	10.0000	10.754
	22 Acetonitrile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

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

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

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 21-AUG-2004 09:04
Client ID:
Sample Info: 25NC8260CAL
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+
-1,4-Dioxane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8+
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
Ethylbenzene+
-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\U408210.b\UX79040.D

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

STL North Canton

VOLATILE REPORT SW-846 Method

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

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

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

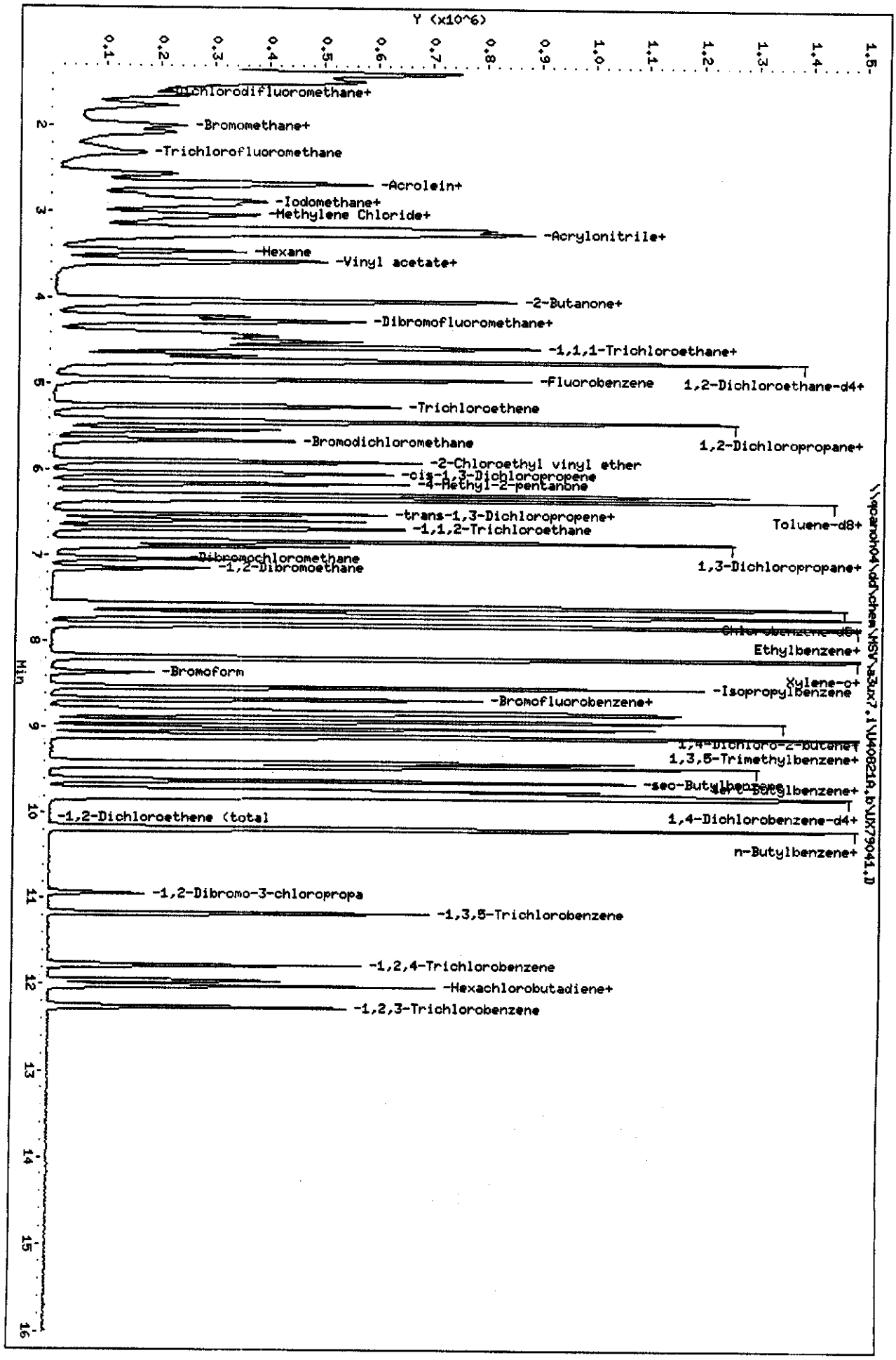
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.811	2.811	(0.568)	165650	25.0000	25.553
	20 Carbon Disulfide	76	2.882	2.882	(0.582)	485549	25.0000	25.454
	21 Methylene Chloride	84	3.036	3.036	(0.613)	166007	25.0000	24.463
	22 Acetonitrile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

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

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

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 21-AUG-2004 09:27
Client ID:
Sample Info: 50NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Dibromofluoromethane+
-1,1,1-Trichloroethane+
-Fluorobenzene
1,2-Dichloroethane-d4+
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane
Toluene-d8+
-Dibromochloromethane
-1,2-Dibromoethane
1,3-Dichloropropane+
Chlorobenzene-d5+
Ethylbenzene+
-Bromoform
Xylene-o+
-Isopropylbenzene
-Bromofluorobenzene+
1,4-Dichloro-2-butene+
1,3,5-Trimethylbenzene+
-sec-Butylbenzene
tert-Butylbenzene+
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene+
-1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79041.D
Report Date: 23-Aug-2004 09:45

STL North Canton

VOLATILE REPORT SW-846 Method

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

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

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

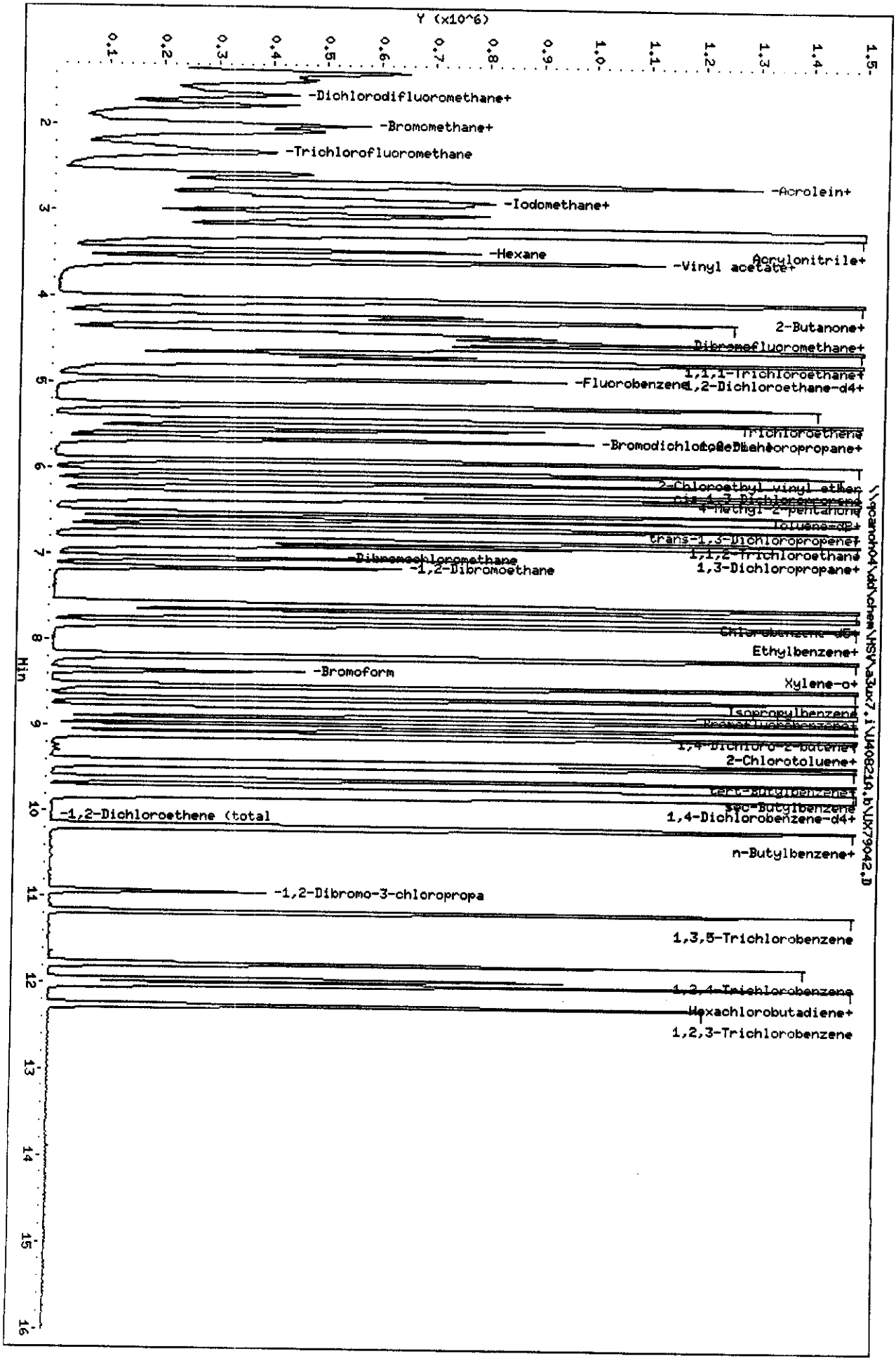
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 Iodomethane	142	2.811	2.811	(0.568)	338517	50.0000	50.022
20 Carbon Disulfide	76	2.870	2.870	(0.580)	963344	50.0000	48.375
21 Methylene Chloride	84	3.036	3.036	(0.613)	313659	50.0000	47.019
22 Acetonitrile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

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

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

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40821A.b\UX79042.D
Date : 21-AUG-2004 09:50
Client ID:
Sample Info: 100NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Iodomethane+
-Hexane
Acrylonitrile+
-Vinyl acetate+
2-Butanone+
Dibromofluoromethane+
1,1,1-Trichloroethane+
-Fluorobenzene
1,2-Dichloroethane-d4+
Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8+
trans-1,3-Dichloropropene+
1,1,2-Trichloroethane
1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene+
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene+
1,4-Dichloro-2-butene+
2-Chlorotoluene+
tert-Butylbenzene+
sec-Butylbenzene
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene+
1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux7.i\U40821A.b\UX79042.D

STL North Canton

VOLATILE REPORT SW-846 Method

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

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

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

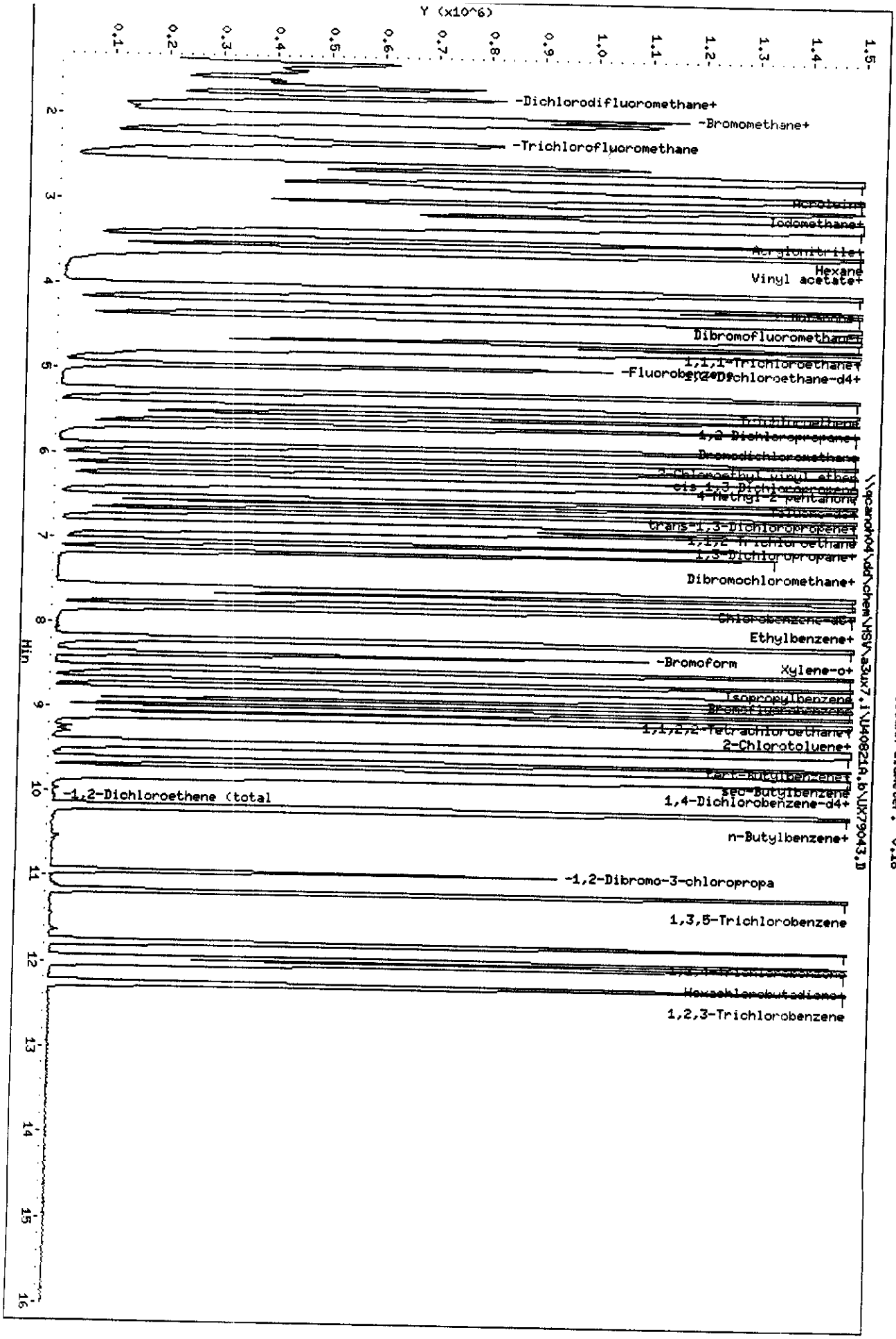
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 Iodomethane	142	2.811	2.811	(0.568)	753544	100.000	108.37
20 Carbon Disulfide	76	2.882	2.882	(0.582)	2086162	100.000	101.95
21 Methylene Chloride	84	3.036	3.036	(0.613)	661716	100.000	102.22
22 Acetonitrile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

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

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

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 21-AUG-2004 10:14
Client ID:
Sample Info: 200NG8260CAL
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+
Dibromofluoromethane+
1,1,1-Trichloroethane+
-Fluorobenzene
1,2-Dichloroethane-d4+
Trichloroethene
1,2-Dichloropropane+
Bromodichloromethane
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8
trans-1,3-Dichloropropene+
1,1,2-Trichloroethane
1,3-Dichloropropane+
Dibromochloromethane+
Chlorobenzene-d5
Ethylbenzene+
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
2-Chlorotoluene+
tert-Butylbenzene+
-1,2-Dichloroethene (total
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene+
1,2,3-Trichlorobenzene

STL North Canton

VOLATILE REPORT SW-846 Method

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

Inst ID: a3ux7.i
Quant Type: ISTD
Cal File: UX77665.D
Calibration Sample, Level: 6
Compound Sublist: 1-8260.SUB

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

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

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

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

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

QC Flag Legend

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

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

STL North Canton

RECOVERY REPORT

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

Client SDG: SDGa00497
Fraction: VOA

Operator: 1754
SampleType: METHSPIKE
Quant Type: ISTD

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

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

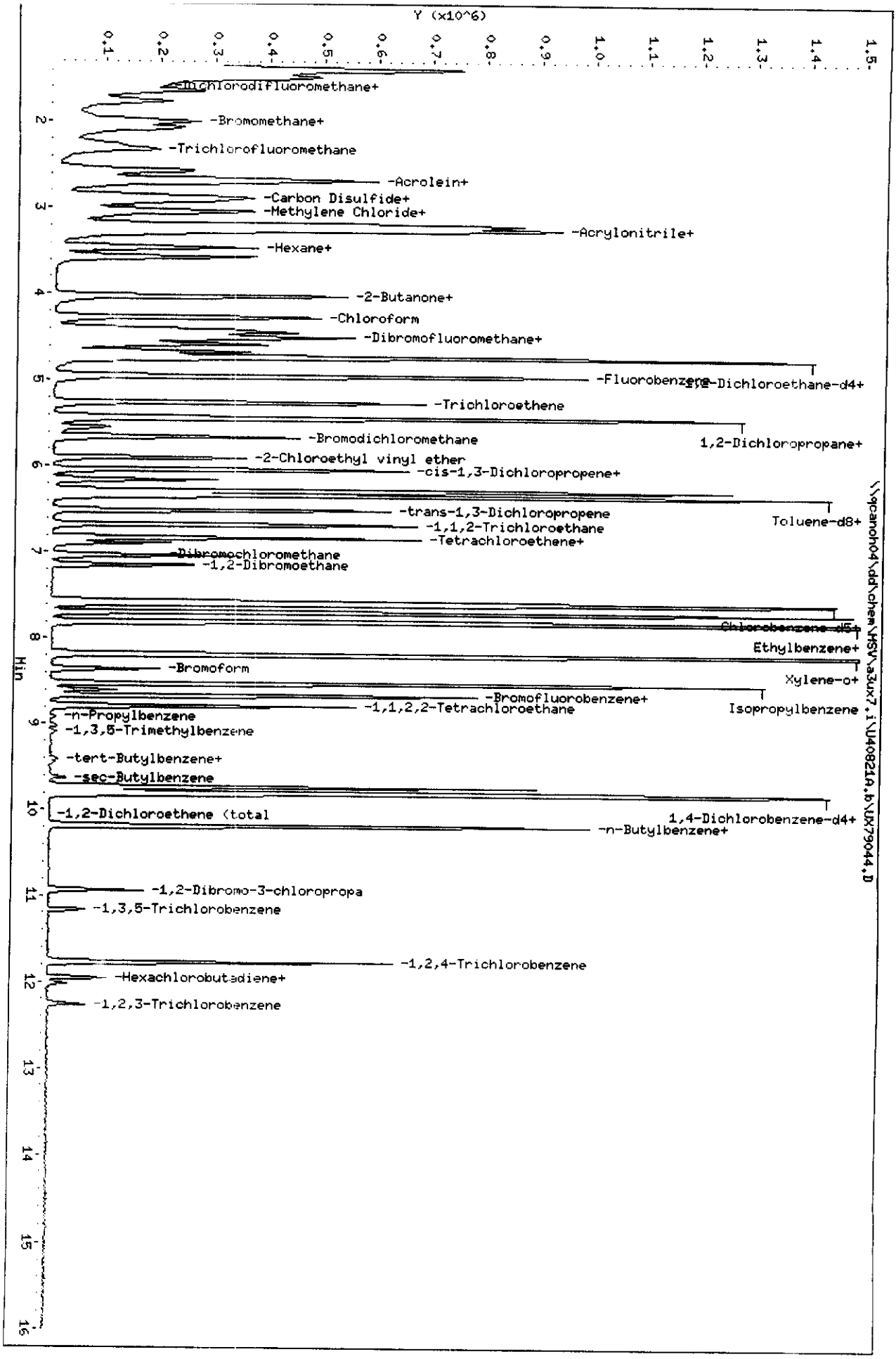
Data File: \\qcanon04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79044.D
Report Date: 23-Aug-2004 09:47

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

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

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

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



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

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79044.D
Lab Smp Id: ICV
Inj Date : 21-AUG-2004 10:37
Operator : 1754 Inst ID: a3ux7.i
Smp Info : ICV
Misc Info : U40821A,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
Meth Date : 23-Aug-2004 09:46 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 7 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.881	2.882	(0.582)	973102	44.4792	8.896
	21 Methylene Chloride	84	3.046	3.036	(0.615)	324226	44.0094	8.802
	22 Acetonitrile	41	2.916	2.906	(0.589)	394906	530.742	106.15
	23 Acrylonitrile	53	3.200	3.202	(0.646)	1168029	474.676	94.935
	24 Methyl tert-butyl ether	73	3.259	3.261	(0.658)	706237	48.5077	9.702
	25 trans-1,2-Dichloroethene	96	3.247	3.249	(0.656)	294388	46.6388	9.328
	26 Hexane	86	3.460	3.462	(0.699)	47656	44.5171	8.903
	27 Vinyl acetate	43	3.650	3.592	(0.737)	1287	2.03244	0.4065
	28 1,1-Dichloroethane	63	3.567	3.569	(0.720)	514119	44.9097	8.982
	29 tert-Butyl Alcohol	59	3.117	3.119	(0.630)	127559	339.460	67.892
	30 2-Butanone	43	4.016	4.018	(0.811)	124765	36.8233	7.365
M	31 1,2-Dichloroethene (total)	96				579694	92.5864	18.517
	32 cis-1,2-dichloroethene	96	4.028	4.030	(0.814)	285306	45.9476	9.190
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.277	4.267	(0.864)	487905	44.2696	8.854
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.442	4.444	(0.897)	396969	44.9583	8.992
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.584	4.586	(0.926)	300570	44.0293	8.806
	40 1,2-Dichloroethane	62	4.738	4.728	(0.957)	425013	44.6669	8.933
	41 Benzene	78	4.738	4.740	(0.957)	1174283	44.4581	8.892
	42 Trichloroethene	130	5.259	5.261	(1.062)	249716	46.4328	9.286
	43 1,2-Dichloropropane	63	5.436	5.438	(1.098)	287344	44.3946	8.879
	44 1,4-Dioxane	88	5.543	5.545	(1.119)	121749	2607.13	521.42(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.661	5.663	(1.143)	353935	44.5392	8.908
	47 2-Chloroethyl vinyl ether	63	5.898	5.900	(1.191)	169872	48.8342	9.767
	48 cis-1,3-Dichloropropene	75	6.040	6.042	(1.220)	411611	45.4750	9.095
	49 4-Methyl-2-pentanone	43	6.158	6.160	(1.244)	234312	43.8372	8.767
	50 Toluene	91	6.336	6.337	(0.837)	1191735	46.7504	9.350
	51 trans-1,3-Dichloropropene	75	6.513	6.515	(0.861)	359906	44.8652	8.973
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.679	6.681	(0.883)	238069	43.6512	8.730
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.833	6.834	(0.903)	154672	44.1066	8.821
	56 2-Hexanone	43	6.892	6.894	(0.911)	151238	36.6406	7.328
	57 Dibromochloromethane	129	7.034	7.036	(0.930)	200748	45.1449	9.029
	58 1,2-Dibromoethane	107	7.152	7.142	(0.945)	218731	45.5074	9.101
	59 Chlorobenzene	112	7.602	7.604	(1.005)	703347	45.8626	9.172
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.696	7.698	(1.017)	353113	43.0377	8.608
	62 m + p-Xylene	106	7.803	7.805	(1.031)	883913	84.2874	16.857
M	63 Xylenes (total)	106				1317298	127.072	25.414
	64 Xylene-o	106	8.182	8.183	(1.081)	433385	42.7843	8.557
	65 Styrene	104	8.182	8.183	(1.081)	753301	41.4908	8.298
	66 Bromoform	173	8.359	8.361	(1.105)	97796	45.1687	9.034

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

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

QC Flag Legend

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

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m
Start Cal Date: 20-APR-2004 14:54
End Cal Date : 21-AUG-2004 10:14
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

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

Continuing Calibration

25-AUG-2004 21:59	1-8260	UX79243.D
25-AUG-2004 21:36	3-IX	UX79242.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b/UX79243.D
Report Date: 08/26/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX79243.D
Analysis Type: WATER

Injection Date: 25-AUG-2004 21:59
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	45.6535	8.7	50.0
0 Bromodichloromethane	50.0000	48.9239	2.2	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	45.2405	9.5	50.0
0 Bromoform	50.0000	57.8684	15.7	50.0
0 Styrene	50.0000	42.6793	14.6	50.0
0 Xylene-o	50.0000	41.4044	17.2	50.0
0 Xylenes (total)	150.0000	126.7080	15.5	50.0
0 2-Hexanone	100.0000	75.1037	24.9	50.0
0 Chloromethane	50.0000	50.7092	1.4	50.0
0 Vinyl Chloride	50.0000	50.5602	1.1	20.0
0 Bromomethane	50.0000	44.6485	10.7	50.0
0 Chloroethane	50.0000	46.8495	6.3	50.0
0 1,1-Dichloroethane	50.0000	47.2758	5.4	50.0
0 Tetrachloroethene	50.0000	45.8108	8.4	50.0
0 Acetone	100.0000	61.7788	38.2	50.0
0 1,1-Dichloroethene	50.0000	46.6052	6.8	20.0
0 m + p-Xylene	100.0000	85.3035	14.7	50.0
0 Ethylbenzene	50.0000	42.6312	14.7	20.0
0 Carbon Disulfide	50.0000	42.1544	15.7	50.0
0 Methylene Chloride	50.0000	46.5379	6.9	50.0
0 1,2-Dichloropropane	50.0000	48.7134	2.6	20.0
0 1,1,2-Trichloroethane	50.0000	45.2309	9.5	50.0
0 Dibromochloromethane	50.0000	51.0626	2.1	50.0
0 trans-1,2-Dichloroethene	50.0000	47.8380	4.3	50.0
0 trans-1,3-Dichloropropene	50.0000	46.8603	6.3	50.0
0 cis-1,3-Dichloropropene	50.0000	48.7799	2.4	50.0
0 Chloroform	50.0000	46.8774	6.2	20.0
0 Toluene	50.0000	47.5137	5.0	20.0
0 2-Butanone	100.0000	80.0736	19.9	50.0
0 1,2-Dichloroethene (total)	100.0000	94.9695	5.0	50.0
0 cis-1,2-dichloroethene	50.0000	47.1315	5.7	50.0
0 4-Methyl-2-pentanone	100.0000	92.8270	7.2	50.0
0 1,2-Dichloroethane	50.0000	48.1040	3.8	50.0
0 Trichloroethene	50.0000	48.2174	3.6	50.0
0 1,1,1-Trichloroethane	50.0000	47.7222	4.6	50.0
0 Carbon Tetrachloride	50.0000	47.0431	5.9	50.0
0 Benzene	50.0000	47.2417	5.5	50.0
38 Dichlorodifluoromethane	50.0000	54.8116	9.6	50.0
39 Trichlorofluoromethane	50.0000	55.0289	10.1	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b/UX79243.D
Report Date: 08/26/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX79243.D
Analysis Type: WATER

Injection Date: 25-AUG-2004 21:59
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	412.1901	17.6	50.0
41 Acrylonitrile	500.0000	512.3137	2.5	50.0
42 Vinyl acetate	50.0000	45.2566	9.5	50.0
43 2-Chloroethyl vinyl ether	100.0000	95.2478	4.8	50.0
47 Freon-113	50.0000	45.5962	8.8	50.0
48 1,3-Dichlorobenzene	50.0000	45.6274	8.7	50.0
49 1,4-Dichlorobenzene	50.0000	45.2626	9.5	50.0
50 1,2-Dichlorobenzene	50.0000	46.2384	7.5	50.0
51 Acetonitrile	500.0000	479.5503	4.1	50.0
52 Iodomethane	50.0000	44.4772	11.0	50.0
59 1,4-Dioxane	2500.0000	2240.4548	10.4	50.0
60 Dibromomethane	50.0000	48.1928	3.6	50.0
62 Ethyl Methacrylate	50.0000	45.0947	9.8	50.0
63 1,2-Dibromoethane	50.0000	47.1285	5.7	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	45.4914	9.0	50.0
65 1,2,3-Trichloropropane	50.0000	47.2174	5.6	50.0
66 1,4-Dichloro-2-butene	50.0000	40.8668	18.3	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	49.9256	0.1	50.0
82 Methyl tert-butyl ether	50.0000	49.1033	1.8	50.0
84 Tetrahydrofuran	50.0000	44.6238	10.8	50.0
98 2,2-Dichloropropane	50.0000	49.1009	1.8	50.0
99 1,1-Dichloropropene	50.0000	48.9848	2.0	50.0
100 1,3-Dichloropropane	50.0000	47.1075	5.8	50.0
102 Bromobenzene	50.0000	46.0242	8.0	50.0
103 2-Chlorotoluene	50.0000	46.4181	7.2	50.0
104 n-Propylbenzene	50.0000	41.2271	17.5	50.0
105 4-Chlorotoluene	50.0000	47.5696	4.9	50.0
106 1,3,5-Trimethylbenzene	50.0000	42.7119	14.6	50.0
107 tert-Butylbenzene	50.0000	41.4881	17.0	50.0
108 1,2,4-Trimethylbenzene	50.0000	41.4106	17.2	50.0
109 sec-Butylbenzene	50.0000	42.5187	15.0	50.0
110 4-Isopropyltoluene	50.0000	41.3586	17.3	50.0
111 n-Butylbenzene	50.0000	40.0128	20.0	50.0
112 1,2,4-Trichlorobenzene	50.0000	42.0787	15.8	50.0
113 Naphthalene	50.0000	41.6342	16.7	50.0
114 Hexachlorobutadiene	50.0000	41.7220	16.6	50.0
115 1,2,3-Trichlorobenzene	50.0000	41.0165	18.0	50.0
124 tert-Butyl Alcohol	1000.0000	882.4902	11.8	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b/UX79243.D
Report Date: 08/26/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX79243.D
Analysis Type: WATER

Injection Date: 25-AUG-2004 21:59
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
125 Hexane	50.0000	39.0534	21.9	20.0	<-
127 Cyclohexane	50.0000	42.6883	14.6	50.0	
128 Isopropylbenzene	50.0000	41.2348	17.5	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	48.0372	3.9	50.0	
141 1,3,5-Trichlorobenzene	50.0000	41.5842	16.8	50.0	
143 Methyl Acetate	100.0000	99.6467	0.4	50.0	
144 Methylcyclohexane	50.0000	41.0892	17.8	50.0	
22 Toluene-d8	50.0000	48.5896	2.8	50.0	
32 Bromofluorobenzene	50.0000	46.1062	7.8	50.0	
47 1,2-Dichloroethane-d4	50.0000	50.3392	0.7	50.0	
131 Dibromofluoromethane	50.0000	50.5994	1.2	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79243.D
Report Date: 26-Aug-2004 11:29

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX79243.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m

Injection Date: 25-AUG-2004 21:59
Init. Cal. Date(s): 20-APR-2004 21-AUG-2004
Init. Cal. Times: 14:54 10:14
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	4 Dibromofluoromethane	0.22257	0.22523	0.010	1.2	50.0	
$	5 1,2-Dichloroethane-d4	0.33320	0.33546	0.010	0.7	50.0	
$	6 Toluene-d8	1.28877	1.25241	0.010	-2.8	50.0	
$	7 Bromofluorobenzene	0.41094	0.37894	0.010	-7.8	50.0	
	8 Dichlorodifluoromethane	0.26478	0.29027	0.010	9.6	50.0	
	9 Chloromethane	50.00000	50.70917	0.100	-1.4	50.0	Rf=0.4013 ✓
	10 Vinyl Chloride	50.00000	50.56024	0.010	-1.1	20.0	
	11 Bromomethane	50.00000	44.64846	0.010	10.7	50.0	
	12 Chloroethane	50.00000	46.84948	0.010	6.3	50.0	
	13 Trichlorofluoromethane	0.41123	0.45259	0.010	10.1	50.0	
	15 Acrolein	0.04839	0.03989	0.010	-17.6	50.0	
	16 Acetone	100	61.77880	0.010	38.2	50.0	
	17 1,1-Dichloroethene	0.24515	0.22850	0.010	-6.8	20.0	
	18 Freon-113	0.14965	0.13647	0.010	-8.8	50.0	
	19 Iodomethane	0.33433	0.29740	0.010	-11.0	50.0	
	20 Carbon Disulfide	0.98381	0.82944	0.010	-15.7	50.0	
	21 Methylene Chloride	50.00000	46.53786	0.010	6.9	50.0	
	22 Acetonitrile	0.03346	0.03209	0.010	-4.1	50.0	
	23 Acrylonitrile	0.11065	0.11338	0.010	2.5	50.0	
	24 Methyl tert-butyl ether	0.65471	0.64297	0.010	-1.8	50.0	
	25 trans-1,2-Dichloroethene	0.28384	0.27157	0.010	-4.3	50.0	
	26 Hexane	50.00000	39.05344	0.010	21.9	20.0	<-
	27 Vinyl acetate	50.00000	45.25662	0.010	9.5	50.0	
	28 1,1-Dichloroethane	0.51479	0.48674	0.100	-5.4	50.0	
	29 tert-Butyl Alcohol	1000	882	0.010	11.8	50.0	
	30 2-Butanone	0.15236	0.12200	0.010	-19.9	50.0	
M	31 1,2-Dichloroethene (total)	0.28154	0.26739	0.010	-5.0	50.0	
	32 cis-1,2-dichloroethene	0.27923	0.26321	0.010	-5.7	50.0	
	33 2,2-Dichloropropane	0.32071	0.31494	0.010	-1.8	50.0	
	34 Bromochloromethane	0.12748	0.12248	0.010	-3.9	50.0	
	35 Chloroform	0.49561	0.46466	0.010	-6.2	20.0	
	36 Tetrahydrofuran	0.06911	0.06168	0.010	-10.8	50.0	
	37 1,1,1-Trichloroethane	0.39706	0.37897	0.010	-4.6	50.0	
	38 1,1-Dichloropropene	0.34069	0.33377	0.010	-2.0	50.0	
	39 Carbon Tetrachloride	0.30698	0.28883	0.010	-5.9	50.0	
	40 1,2-Dichloroethane	0.42788	0.41166	0.010	-3.8	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79243.D
Report Date: 26-Aug-2004 11:29

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 25-AUG-2004 21:59
Lab File ID: UX79243.D Init. Cal. Date(s): 20-APR-2004 21-AUG-2004
Analysis Type: WATER Init. Cal. Times: 14:54 10:14
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	41 Benzene	1.18777	1.12224	0.010	-5.5	50.0
	42 Trichloroethene	0.24184	0.23322	0.010	-3.6	50.0
	43 1,2-Dichloropropane	0.29106	0.28357	0.010	-2.6	20.0
	44 1,4-Dioxane	2500	2240	0.010	10.4	50.0
	45 Dibromomethane	0.16665	0.16063	0.010	-3.6	50.0
	46 Bromodichloromethane	0.35735	0.34966	0.010	-2.2	50.0
	47 2-Chloroethyl vinyl ether	100	95.24784	0.010	4.8	50.0
	48 cis-1,3-Dichloropropene	0.40703	0.39709	0.010	-2.4	50.0
	49 4-Methyl-2-pentanone	100	92.82703	0.010	7.2	50.0
	50 Toluene	1.67886	1.59538	0.010	-5.0	20.0
	51 trans-1,3-Dichloropropene	0.52832	0.49515	0.010	-6.3	50.0
	52 Ethyl Methacrylate	50.00000	45.09475	0.010	9.8	50.0
	53 1,1,2-Trichloroethane	0.35919	0.32493	0.010	-9.5	50.0
	54 1,3-Dichloropropane	0.62692	0.59065	0.010	-5.8	50.0
	55 Tetrachloroethene	0.23096	0.21161	0.010	-8.4	50.0
	56 2-Hexanone	100	75.10373	0.010	24.9	50.0
	57 Dibromochloromethane	0.29286	0.29909	0.010	2.1	50.0
	58 1,2-Dibromoethane	0.31655	0.29837	0.010	-5.7	50.0
	59 Chlorobenzene	1.01002	0.92222	0.300	-8.7	50.0
	60 1,1,1,2-Tetrachloroethane	0.32134	0.29236	0.010	-9.0	50.0
	61 Ethylbenzene	50.00000	42.63116	0.010	14.7	20.0
	62 m + p-Xylene	100	85.30354	0.010	14.7	50.0
M	63 Xylenes (total)	150	127	0.010	15.5	50.0
	64 Xylene-o	50.00000	41.40444	0.010	17.2	50.0
	65 Styrene	50.00000	42.67927	0.010	14.6	50.0
	66 Bromoform	50.00000	57.86845	0.100	-15.7	50.0
	67 Isopropylbenzene	50.00000	41.23479	0.010	17.5	50.0
	68 1,1,2,2-Tetrachloroethane	1.06083	0.95985	0.300	-9.5	50.0
	69 1,4-Dichloro-2-butene	0.34328	0.28058	0.010	-18.3	50.0
	70 1,2,3-Trichloropropane	0.32360	0.30559	0.010	-5.6	50.0
	71 Bromobenzene	0.74828	0.68878	0.010	-8.0	50.0
	72 n-Propylbenzene	50.00000	41.22708	0.010	17.5	50.0
	73 2-Chlorotoluene	0.68146	0.63264	0.010	-7.2	50.0
	74 1,3,5-Trimethylbenzene	50.00000	42.71186	0.010	14.6	50.0
	75 4-Chlorotoluene	0.73531	0.69957	0.010	-4.9	50.0
	76 tert-Butylbenzene	50.00000	41.48814	0.010	17.0	50.0

Rf · 0.1703 ✓
amk 8 31-04

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79243.D
Report Date: 26-Aug-2004 11:29

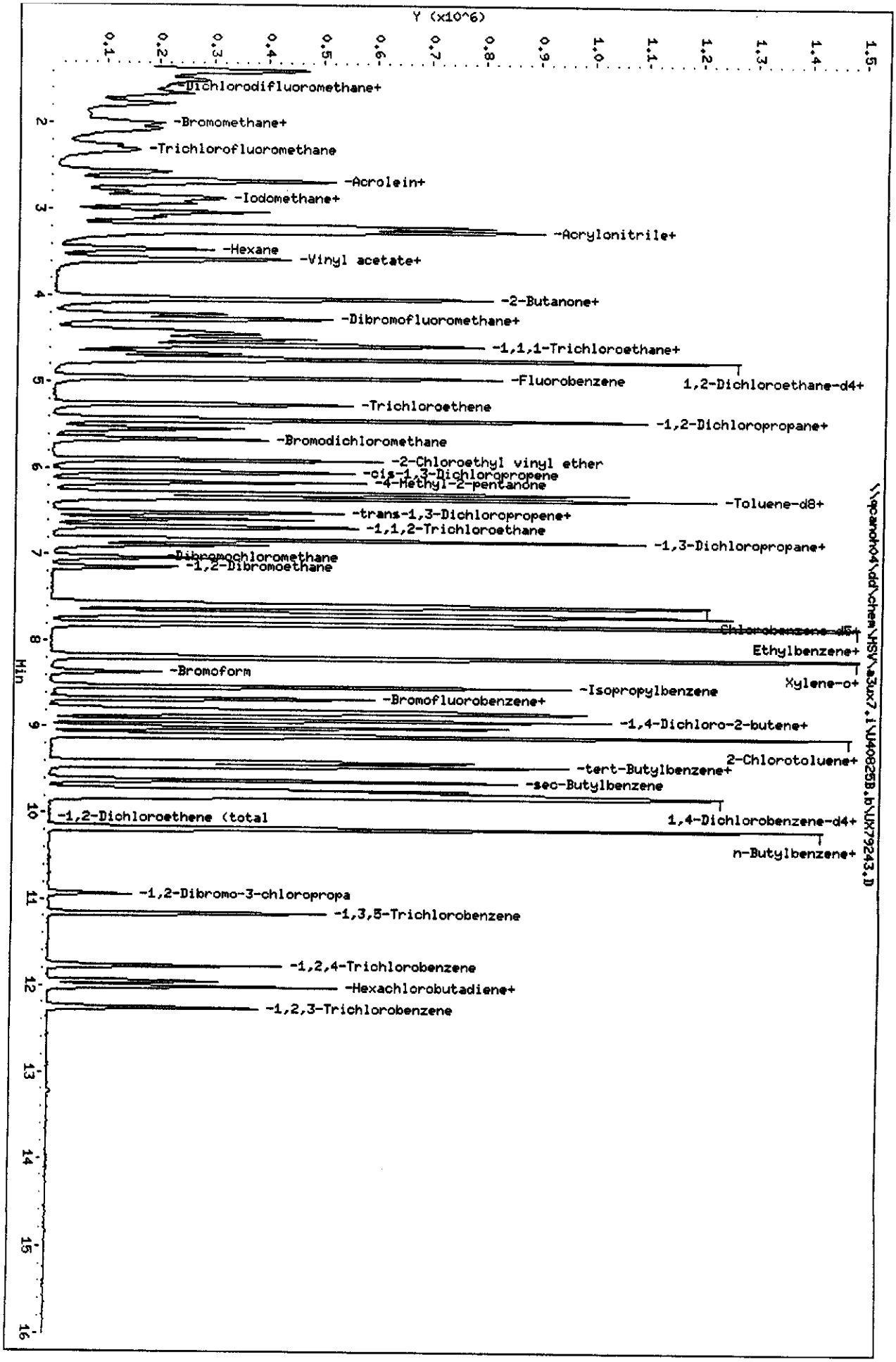
STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX79243.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m

Injection Date: 25-AUG-2004 21:59
Init. Cal. Date(s): 20-APR-2004 21-AUG-2004
Init. Cal. Times: 14:54 10:14
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	50.00000	41.41056	0.010	17.2	50.0
78 sec-Butylbenzene	50.00000	42.51865	0.010	15.0	50.0
79 4-Isopropyltoluene	50.00000	41.35861	0.010	17.3	50.0
80 1,3-Dichlorobenzene	1.37500	1.25475	0.010	-8.7	50.0
81 1,4-Dichlorobenzene	1.47211	1.33263	0.010	-9.5	50.0
82 n-Butylbenzene	50.00000	40.01280	0.010	20.0	50.0
83 1,2-Dichlorobenzene	1.39080	1.28617	0.010	-7.5	50.0
84 1,2-Dibromo-3-chloropropane	0.13976	0.13955	0.010	-0.1	50.0
85 1,2,4-Trichlorobenzene	0.58516	0.49245	0.010	-15.8	50.0
86 Hexachlorobutadiene	0.22470	0.18750	0.010	-16.6	50.0
87 Naphthalene	50.00000	41.63422	0.010	16.7	50.0
88 1,2,3-Trichlorobenzene	50.00000	41.01655	0.010	18.0	50.0
98 Cyclohexane	50.00000	42.68833	0.010	14.6	50.0
143 Methyl Acetate	0.19318	0.19250	0.010	-0.4	50.0
144 Methylcyclohexane	50.00000	41.08922	0.010	17.8	50.0
141 1,3,5-Trichlorobenzene	0.67925	0.56492	0.010	-16.8	50.0


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40825B.b\UX79243.D
Date : 25-AUG-2004 21:59
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Iodomethane+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Dibromofluoromethane+
-1,1,1-Trichloroethane+
-Fluorobenzene
1,2-Dichloroethane-d4+
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8+
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene+
-Bromoform
Xylene-o+
-Isopropylbenzene
-Bromofluorobenzene+
-1,4-Dichloro-2-butene+
2-Chlorotoluene+
-tert-Butylbenzene+
-sec-Butylbenzene
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene+
-1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79243.D
Report Date: 26-Aug-2004 11:29

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79243.D
Lab Smp Id: 50NG-CC
Inj Date : 25-AUG-2004 21:59
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NG-CC
Misc Info : U40825B,N8260UX7-3,1-8260.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m
Meth Date : 26-Aug-2004 11:28 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 32 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)	858661	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	612717	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	278948	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.395	(0.888)	193400	50.0000	50.599
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	288043	50.0000	50.339
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	767375	50.0000	48.590
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	232180	50.0000	46.106
8 Dichlorodifluoromethane	85	1.579	1.579	(0.319)	249240	50.0000	54.812
9 Chloromethane	50	1.650	1.650	(0.333)	370378	50.0000	50.709
10 Vinyl Chloride	62	1.768	1.768	(0.357)	358091	50.0000	50.560
11 Bromomethane	94	2.005	2.005	(0.405)	234370	50.0000	44.648
12 Chloroethane	64	2.076	2.076	(0.419)	250907	50.0000	46.849
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	388622	50.0000	55.029
15 Acrolein	56	2.561	2.561	(0.517)	342521	500.000	412.19
16 Acetone	43	2.668	2.668	(0.539)	158478	100.000	61.779
17 1,1-Dichloroethene	96	2.668	2.668	(0.539)	196205	50.0000	46.605
18 Freon-113	151	2.691	2.691	(0.544)	117182	50.0000	45.596

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79243.D
Report Date: 26-Aug-2004 11:29

	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)	255367	50.0000	44.477
	20 Carbon Disulfide	76	2.857	2.857	(0.577)	712205	50.0000	42.154
	21 Methylene Chloride	84	3.035	3.035	(0.613)	263600	50.0000	46.538
	22 Acetonitrile	41	2.893	2.893	(0.584)	275553	500.000	479.55
	23 Acrylonitrile	53	3.200	3.200	(0.646)	973538	500.000	512.31
	24 Methyl tert-butyl ether	73	3.248	3.248	(0.656)	552091	50.0000	49.103
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	233188	50.0000	47.838
	26 Hexane	86	3.461	3.461	(0.699)	31948	50.0000	39.053
	27 Vinyl acetate	43	3.591	3.591	(0.725)	380969	50.0000	45.257
	28 1,1-Dichloroethane	63	3.567	3.567	(0.720)	417948	50.0000	47.276
	29 tert-Butyl Alcohol	59	3.094	3.094	(0.625)	280772	1000.00	882.49
	30 2-Butanone	43	4.017	4.017	(0.811)	209517	100.000	80.074
M	31 1,2-Dichloroethene (total)	96				459194	100.000	94.970
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	226006	50.0000	47.131
	33 2,2-Dichloropropane	77	4.040	4.040	(0.816)	270427	50.0000	49.101
	34 Bromochloromethane	128	4.218	4.218	(0.852)	105168	50.0000	48.037
	35 Chloroform	83	4.265	4.265	(0.861)	398982	50.0000	46.877
	36 Tetrahydrofuran	42	4.253	4.253	(0.859)	52961	50.0000	44.624
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	325407	50.0000	47.722
	38 1,1-Dichloropropene	75	4.561	4.561	(0.921)	286594	50.0000	48.985
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	248005	50.0000	47.043
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	353474	50.0000	48.104
	41 Benzene	78	4.727	4.727	(0.955)	963625	50.0000	47.242
	42 Trichloroethene	130	5.259	5.259	(1.062)	200256	50.0000	48.217
	43 1,2-Dichloropropane	63	5.437	5.437	(1.098)	243490	50.0000	48.713
	44 1,4-Dioxane	88	5.543	5.543	(1.119)	79808	2500.00	2240.4(A)
	45 Dibromomethane	93	5.531	5.531	(1.117)	137926	50.0000	48.193
	46 Bromodichloromethane	83	5.661	5.661	(1.143)	300236	50.0000	48.924
	47 2-Chloroethyl vinyl ether	63	5.898	5.898	(1.191)	276995	100.000	95.248
	48 cis-1,3-Dichloropropene	75	6.040	6.040	(1.220)	340969	50.0000	48.780
	49 4-Methyl-2-pentanone	43	6.158	6.158	(1.244)	419327	100.000	92.827
	50 Toluene	91	6.336	6.336	(0.837)	977515	50.0000	47.514
	51 trans-1,3-Dichloropropene	75	6.513	6.513	(0.861)	303385	50.0000	46.860
	52 Ethyl Methacrylate	69	6.584	6.584	(0.870)	269619	50.0000	45.095
	53 1,1,2-Trichloroethane	97	6.679	6.679	(0.883)	199091	50.0000	45.231
	54 1,3-Dichloropropane	76	6.833	6.833	(0.903)	361903	50.0000	47.107
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	129654	50.0000	45.811
	56 2-Hexanone	43	6.892	6.892	(0.911)	280491	100.000	75.104
	57 Dibromochloromethane	129	7.034	7.034	(0.930)	183255	50.0000	51.063
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	182819	50.0000	47.128
	59 Chlorobenzene	112	7.602	7.602	(1.005)	565061	50.0000	45.654
	60 1,1,1,2-Tetrachloroethane	131	7.673	7.673	(1.014)	179135	50.0000	45.491
	61 Ethylbenzene	106	7.697	7.697	(1.017)	282080	50.0000	42.631
	62 m + p-Xylene	106	7.803	7.803	(1.031)	722540	100.000	85.304
M	63 Xylenes (total)	106				1060206	150.000	126.71
	64 Xylene-o	106	8.182	8.182	(1.081)	337666	50.0000	41.404
	65 Styrene	104	8.182	8.182	(1.081)	626925	50.0000	42.679

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79243.D
Report Date: 26-Aug-2004 11:29

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)	104372	50.0000	57.868
67 Isopropylbenzene	105	8.525	8.525	(1.127)	665485	50.0000	41.235
68 1,1,2,2-Tetrachloroethane	83	8.785	8.785	(0.897)	267748	50.0000	45.240
69 1,4-Dichloro-2-butene	53	8.844	8.844	(0.903)	78267	50.0000	40.867
70 1,2,3-Trichloropropane	110	8.833	8.833	(0.902)	85244	50.0000	47.217
71 Bromobenzene	156	8.821	8.821	(0.901)	192134	50.0000	46.024
72 n-Propylbenzene	120	8.915	8.915	(0.911)	180263	50.0000	41.227
73 2-Chlorotoluene	126	9.010	9.010	(0.920)	176475	50.0000	46.418
74 1,3,5-Trimethylbenzene	105	9.093	9.093	(0.929)	601470	50.0000	42.712
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	195143	50.0000	47.570
76 tert-Butylbenzene	119	9.412	9.412	(0.961)	428983	50.0000	41.488
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	614422	50.0000	41.410
78 sec-Butylbenzene	105	9.625	9.625	(0.983)	686984	50.0000	42.519
79 4-Isopropyltoluene	119	9.767	9.767	(0.998)	532913	50.0000	41.359
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	350011	50.0000	45.627
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	371735	50.0000	45.262
82 n-Butylbenzene	91	10.170	10.170	(1.039)	497740	50.0000	40.013
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	358774	50.0000	46.238
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	38927	50.0000	49.926
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	137369	50.0000	42.079
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	52302	50.0000	41.722
87 Naphthalene	128	12.016	12.016	(1.227)	471965	50.0000	41.634
88 1,2,3-Trichlorobenzene	180	12.264	12.264	(1.253)	128271	50.0000	41.016
98 Cyclohexane	56	4.502	4.502	(0.909)	312414	50.0000	42.688
143 Methyl Acetate	43	2.928	2.928	(0.591)	330586	100.000	99.647
144 Methylcyclohexane	83	5.437	5.437	(1.098)	234060	50.0000	41.089
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	157583	50.0000	41.584

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b/UX79242.D
Report Date: 08/26/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX79242.D
Analysis Type: WATER

Injection Date: 25-AUG-2004 21:36
Lab Sample ID: 50NGA9-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
53 3-Chloropropene	50.0000	49.4874	1.0	50.0	
54 2-Chloro-1,3-butadiene	50.0000	53.6857	7.4	50.0	
55 Propionitrile	100.0000	88.8737	11.1	50.0	
56 Methacrylonitrile	50.0000	41.9093	16.2	50.0	
57 Isobutanol	1000.0000	756.6341	24.3	50.0	
58 Methyl Methacrylate	50.0000	37.7472	24.5	50.0	
73 n-Butanol	1000.0000	529.4529	47.1	50.0	
74 Ethyl Acetate	100.0000	86.5241	13.5	50.0	
75 Cyclohexanone	500.0000	93.1943	81.4	50.0	<-
76 Ethyl Ether	50.0000	52.9078	5.8	50.0	
85 Dichlorofluoromethane	50.0000	74.7746	49.5	50.0	
86 2-Nitropropane	100.0000	87.6851	12.3	50.0	
126 Isopropyl Ether	250.0000	263.0253	5.2	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	23.4007	76.6	50.0	<-

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79242.D
Report Date: 26-Aug-2004 11:27

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

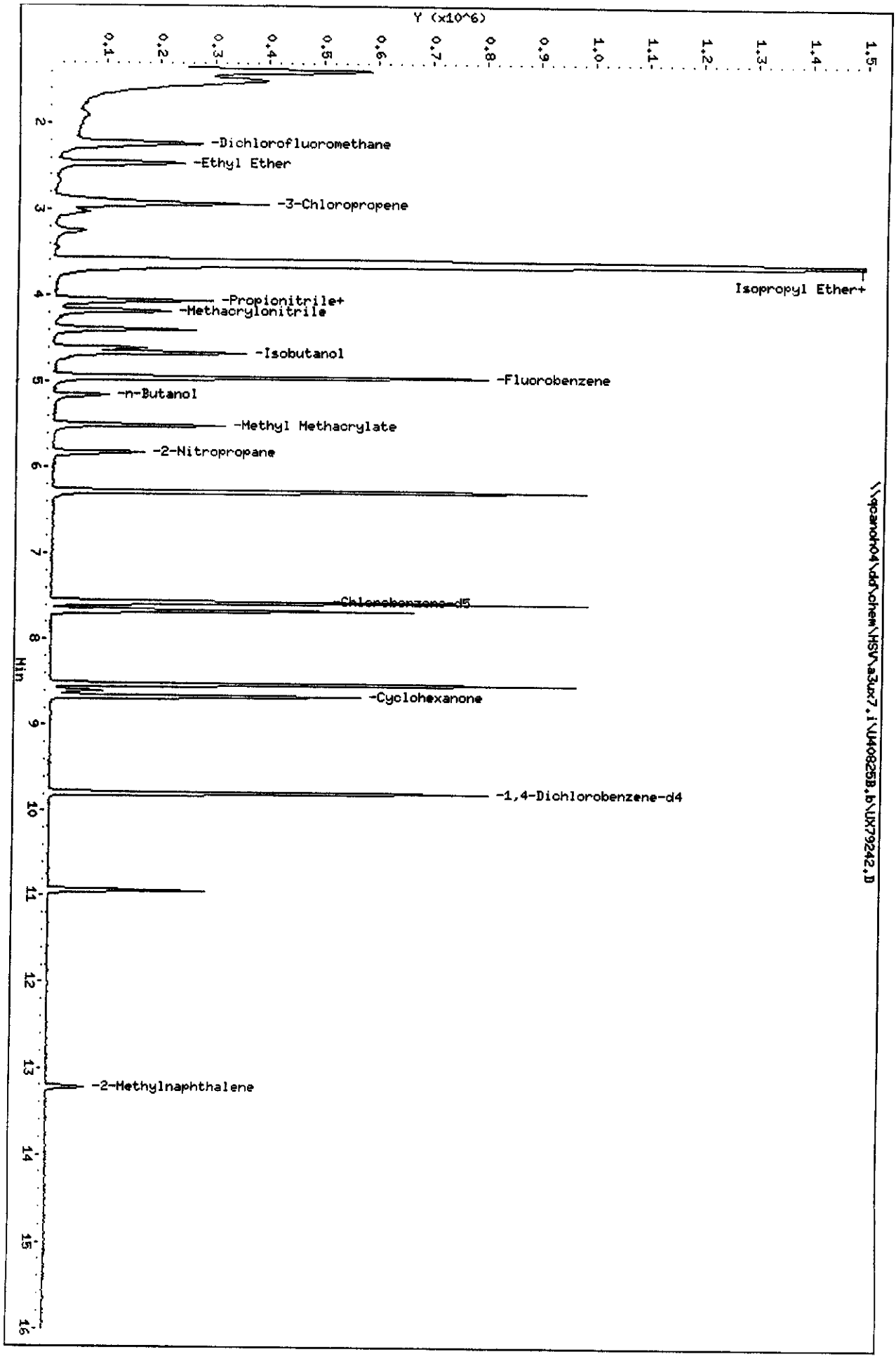
Instrument ID: a3ux7.i
Lab File ID: UX79242.D
Analysis Type: WATER
Lab Sample ID: 50NGA9-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m

Injection Date: 25-AUG-2004 21:36
Init. Cal. Date(s): 20-APR-2004 21-AUG-2004
Init. Cal. Times: 14:54 10:14
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
14 Dichlorofluoromethane	50.00000	74.77460	0.010	-49.5	50.0	
89 Ethyl Ether	0.24011	0.25407	0.010	5.8	50.0	
91 3-Chloropropene	0.14759	0.14607	0.010	-1.0	50.0	
92 Isopropyl Ether	0.23826	0.25067	0.010	5.2	50.0	
93 2-Chloro-1,3-butadiene	0.46000	0.49391	0.010	7.4	50.0	
94 Propionitrile	0.04491	0.03992	0.010	-11.1	50.0	
95 Ethyl Acetate	0.28472	0.24635	0.010	-13.5	50.0	
96 Methacrylonitrile	0.18831	0.15784	0.010	-16.2	50.0	
97 Isobutanol	0.01336	0.01011	0.010	-24.3	50.0	
99 n-Butanol	0.01262	0.00668	0.010	-47.1	50.0	<-
100 Methyl Methacrylate	0.27282	0.20596	0.010	-24.5	50.0	
101 2-Nitropropane	0.08400	0.07366	0.010	-12.3	50.0	
103 Cyclohexanone	0.12862	0.02397	0.010	-81.4	50.0	<-
146 2-Methylnaphthalene	100	23.40066	0.010	76.6	50.0	<-

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40825B.b\UX79242.D
Date : 25-AUG-2004 21:36
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\U40825B.b\UX79242.D
Report Date: 26-Aug-2004 11:27

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79242.D
Lab Smp Id: 50NGA9-CC
Inj Date : 25-AUG-2004 21:36
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NGA9-CC
Misc Info : U40825B,N8260UX7-3,3-IX.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m
Meth Date : 26-Aug-2004 11:27 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: 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)	848466	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.568	(1.000)	569675	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	214568	50.0000	
14 Dichlorofluoromethane	67	2.231	2.231	(0.451)	542582	50.0000	74.775
89 Ethyl Ether	59	2.468	2.468	(0.498)	215570	50.0000	52.908
91 3-Chloropropene	76	2.929	2.929	(0.591)	123939	50.0000	49.487
92 Isopropyl Ether	87	3.616	3.616	(0.730)	1063430	250.000	263.02(A)
93 2-Chloro-1,3-butadiene	53	3.651	3.651	(0.737)	419067	50.0000	53.686
94 Propionitrile	54	4.053	4.053	(0.818)	67736	100.000	88.874
95 Ethyl Acetate	43	4.065	4.065	(0.821)	418040	100.000	86.524
96 Methacrylonitrile	41	4.184	4.184	(0.845)	133918	50.0000	41.909
97 Isobutanol	41	4.610	4.610	(0.609)	115207	1000.00	756.63(A)
99 n-Butanol	56	5.154	5.154	(0.681)	76143	1000.00	529.45(A)
100 Methyl Methacrylate	41	5.509	5.509	(1.112)	174754	50.0000	37.747
101 2-Nitropropane	41	5.828	5.828	(1.177)	124991	100.000	87.685
103 Cyclohexanone	55	8.597	8.597	(0.878)	51440	500.000	93.194
146 2-Methylnaphthalene	142	13.224	13.224	(1.350)	45114	100.000	23.401

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79242.D
Report Date: 26-Aug-2004 11:27

QC Flag Legend

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

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Start Cal Date: 20-APR-2004 14:54
End Cal Date : 21-AUG-2004 10:14
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

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

Continuing Calibration

27-AUG-2004 20:29	1-8260	UX79333.D
27-AUG-2004 20:06	3-IX	UX79332.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b/UX79333.D
Report Date: 08/31/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX79333.D
Analysis Type: WATER

Injection Date: 27-AUG-2004 20:29
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	50.8923	1.8	50.0
0 Bromodichloromethane	50.0000	52.7510	5.5	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	55.2376	10.5	50.0
0 Bromoform	50.0000	63.9138	27.8	50.0
0 Styrene	50.0000	46.8202	6.4	50.0
0 Xylene-o	50.0000	46.5888	6.8	50.0
0 Xylenes (total)	150.0000	141.6843	5.5	50.0
0 2-Hexanone	100.0000	92.6348	7.4	50.0
0 Chloromethane	50.0000	46.2216	7.6	50.0
0 Vinyl Chloride	50.0000	46.5123	7.0	20.0
0 Bromomethane	50.0000	44.4157	11.2	50.0
0 Chloroethane	50.0000	44.3653	11.3	50.0
0 1,1-Dichloroethane	50.0000	50.2093	0.4	50.0
0 Tetrachloroethene	50.0000	50.6030	1.2	50.0
0 Acetone	100.0000	86.2483	13.8	50.0
0 1,1-Dichloroethene	50.0000	51.3442	2.7	20.0
0 m + p-Xylene	100.0000	95.0955	4.9	50.0
0 Ethylbenzene	50.0000	47.9615	4.1	20.0
0 Carbon Disulfide	50.0000	47.7295	4.5	50.0
0 Methylene Chloride	50.0000	46.6774	6.6	50.0
0 1,2-Dichloropropane	50.0000	50.0090	0.0	20.0
0 1,1,2-Trichloroethane	50.0000	52.8904	5.8	50.0
0 Dibromochloromethane	50.0000	58.7090	17.4	50.0
0 trans-1,2-Dichloroethene	50.0000	50.5525	1.1	50.0
0 trans-1,3-Dichloropropene	50.0000	53.0140	6.0	50.0
0 cis-1,3-Dichloropropene	50.0000	51.1164	2.2	50.0
0 Chloroform	50.0000	49.6345	0.7	20.0
0 Toluene	50.0000	53.2647	6.5	20.0
0 2-Butanone	100.0000	93.4513	6.5	50.0
0 1,2-Dichloroethene (total)	100.0000	101.5800	1.6	50.0
0 cis-1,2-dichloroethene	50.0000	51.0275	2.1	50.0
0 4-Methyl-2-pentanone	100.0000	95.1611	4.8	50.0
0 1,2-Dichloroethane	50.0000	50.7034	1.4	50.0
0 Trichloroethene	50.0000	50.1870	0.4	50.0
0 1,1,1-Trichloroethane	50.0000	50.9554	1.9	50.0
0 Carbon Tetrachloride	50.0000	51.1695	2.3	50.0
0 Benzene	50.0000	50.3492	0.7	50.0
38 Dichlorodifluoromethane	50.0000	51.9752	4.0	50.0
39 Trichlorofluoromethane	50.0000	51.9546	3.9	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b/UX79333.D
Report Date: 08/31/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX79333.D
Analysis Type: WATER

Injection Date: 27-AUG-2004 20:29
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	512.7144	2.5	50.0
41 Acrylonitrile	500.0000	530.4870	6.1	50.0
42 Vinyl acetate	50.0000	47.5863	4.8	50.0
43 2-Chloroethyl vinyl ether	100.0000	100.5940	0.6	50.0
47 Freon-113	50.0000	52.1712	4.3	50.0
48 1,3-Dichlorobenzene	50.0000	52.3720	4.7	50.0
49 1,4-Dichlorobenzene	50.0000	53.6593	7.3	50.0
50 1,2-Dichlorobenzene	50.0000	53.1345	6.3	50.0
51 Acetonitrile	500.0000	538.1873	7.6	50.0
52 Iodomethane	50.0000	47.9242	4.2	50.0
59 1,4-Dioxane	2500.0000	2631.7229	5.3	50.0
60 Dibromomethane	50.0000	52.3148	4.6	50.0
62 Ethyl Methacrylate	50.0000	49.9283	0.1	50.0
63 1,2-Dibromoethane	50.0000	53.0229	6.0	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	51.4805	3.0	50.0
65 1,2,3-Trichloropropane	50.0000	55.6011	11.2	50.0
66 1,4-Dichloro-2-butene	50.0000	54.0401	8.1	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	57.2021	14.4	50.0
82 Methyl tert-butyl ether	50.0000	51.5757	3.2	50.0
84 Tetrahydrofuran	50.0000	49.8702	0.3	50.0
98 2,2-Dichloropropane	50.0000	52.9102	5.8	50.0
99 1,1-Dichloropropene	50.0000	52.4685	4.9	50.0
100 1,3-Dichloropropane	50.0000	53.7246	7.4	50.0
102 Bromobenzene	50.0000	53.6105	7.2	50.0
103 2-Chlorotoluene	50.0000	54.6868	9.4	50.0
104 n-Propylbenzene	50.0000	49.8379	0.3	50.0
105 4-Chlorotoluene	50.0000	57.0533	14.1	50.0
106 1,3,5-Trimethylbenzene	50.0000	49.4993	1.0	50.0
107 tert-Butylbenzene	50.0000	47.6154	4.8	50.0
108 1,2,4-Trimethylbenzene	50.0000	50.8849	1.8	50.0
109 sec-Butylbenzene	50.0000	48.8223	2.4	50.0
110 4-Isopropyltoluene	50.0000	47.4920	5.0	50.0
111 n-Butylbenzene	50.0000	46.0906	7.8	50.0
112 1,2,4-Trichlorobenzene	50.0000	49.5325	0.9	50.0
113 Naphthalene	50.0000	44.9899	10.0	50.0
114 Hexachlorobutadiene	50.0000	46.2000	7.6	50.0
115 1,2,3-Trichlorobenzene	50.0000	45.8898	8.2	50.0
124 tert-Butyl Alcohol	1000.0000	987.6990	1.2	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b/UX79333.D
Report Date: 08/31/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX79333.D
Analysis Type: WATER

Injection Date: 27-AUG-2004 20:29
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	46.2738	7.5	20.0
127 Cyclohexane	50.0000	45.6664	8.7	50.0
128 Isopropylbenzene	50.0000	45.7338	8.5	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	48.9208	2.2	50.0
141 1,3,5-Trichlorobenzene	50.0000	48.5062	3.0	50.0
143 Methyl Acetate	100.0000	101.2797	1.3	50.0
144 Methylcyclohexane	50.0000	43.0646	13.9	50.0
22 Toluene-d8	50.0000	52.1163	4.2	50.0
32 Bromofluorobenzene	50.0000	49.2489	1.5	50.0
47 1,2-Dichloroethane-d4	50.0000	50.6722	1.3	50.0
131 Dibromofluoromethane	50.0000	49.3315	1.3	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79333.D
Report Date: 31-Aug-2004 14:02

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 27-AUG-2004 20:29
Lab File ID: UX79333.D Init. Cal. Date(s): 20-APR-2004 21-AUG-2004
Analysis Type: WATER Init. Cal. Times: 14:54 10:14
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
$	4 Dibromofluoromethane	0.22257	0.21959	0.010	-1.3	50.0
$	5 1,2-Dichloroethane-d4	0.33320	0.33767	0.010	1.3	50.0
$	6 Toluene-d8	1.28877	1.34331	0.010	4.2	50.0
$	7 Bromofluorobenzene	0.41094	0.40476	0.010	-1.5	50.0
	8 Dichlorodifluoromethane	0.26478	0.27525	0.010	4.0	50.0
	9 Chloromethane	50.00000	46.22161	0.100	7.6	50.0
	10 Vinyl Chloride	50.00000	46.51230	0.010	7.0	20.0
	11 Bromomethane	50.00000	44.41569	0.010	11.2	50.0
	12 Chloroethane	50.00000	44.36532	0.010	11.3	50.0
	13 Trichlorofluoromethane	0.41123	0.42731	0.010	3.9	50.0
	15 Acrolein	0.04839	0.04962	0.010	2.5	50.0
	16 Acetone	100	86.24830	0.010	13.8	50.0
	17 1,1-Dichloroethene	0.24515	0.25174	0.010	2.7	20.0
	18 Freon-113	0.14965	0.15615	0.010	4.3	50.0
	19 Iodomethane	0.33433	0.32045	0.010	-4.2	50.0
	20 Carbon Disulfide	0.98381	0.93913	0.010	-4.5	50.0
	21 Methylene Chloride	50.00000	46.67737	0.010	6.6	50.0
	22 Acetonitrile	0.03346	0.03601	0.010	7.6	50.0
	23 Acrylonitrile	0.11065	0.11740	0.010	6.1	50.0
	24 Methyl tert-butyl ether	0.65471	0.67534	0.010	3.2	50.0
	25 trans-1,2-Dichloroethene	0.28384	0.28698	0.010	1.1	50.0
	26 Hexane	50.00000	46.27385	0.010	7.5	20.0
	27 Vinyl acetate	50.00000	47.58626	0.010	4.8	50.0
	28 1,1-Dichloroethane	0.51479	0.51695	0.100	0.4	50.0
	29 tert-Butyl Alcohol	1000	988	0.010	1.2	50.0
	30 2-Butanone	0.15236	0.14238	0.010	-6.5	50.0
M	31 1,2-Dichloroethene (total)	0.28154	0.28597	0.010	1.6	50.0
	32 cis-1,2-dichloroethene	0.27923	0.28496	0.010	2.1	50.0
	33 2,2-Dichloropropane	0.32071	0.33937	0.010	5.8	50.0
	34 Bromochloromethane	0.12748	0.12473	0.010	-2.2	50.0
	35 Chloroform	0.49561	0.49198	0.010	-0.7	20.0
	36 Tetrahydrofuran	0.06911	0.06893	0.010	-0.3	50.0
	37 1,1,1-Trichloroethane	0.39706	0.40465	0.010	1.9	50.0
	38 1,1-Dichloropropene	0.34069	0.35751	0.010	4.9	50.0
	39 Carbon Tetrachloride	0.30698	0.31416	0.010	2.3	50.0
	40 1,2-Dichloroethane	0.42788	0.43390	0.010	1.4	50.0

RF: 0.39HH ✓
enR 8-31-04

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79333.D
Report Date: 31-Aug-2004 14:02

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 27-AUG-2004 20:29
Lab File ID: UX79333.D Init. Cal. Date(s): 20-APR-2004 21-AUG-2004
Analysis Type: WATER Init. Cal. Times: 14:54 10:14
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	41 Benzene	1.18777	1.19606	0.010	0.7	50.0
	42 Trichloroethene	0.24184	0.24275	0.010	0.4	50.0
	43 1,2-Dichloropropane	0.29106	0.29111	0.010	0.0	20.0
	44 1,4-Dioxane	2500	2632	0.010	-5.3	50.0
	45 Dibromomethane	0.16665	0.17437	0.010	4.6	50.0
	46 Bromodichloromethane	0.35735	0.37701	0.010	5.5	50.0
	47 2-Chloroethyl vinyl ether	100	101	0.010	-0.6	50.0
	48 cis-1,3-Dichloropropene	0.40703	0.41611	0.010	2.2	50.0
	49 4-Methyl-2-pentanone	100	95.16107	0.010	4.8	50.0
	50 Toluene	1.67886	1.78848	0.010	6.5	20.0
	51 trans-1,3-Dichloropropene	0.52832	0.56017	0.010	6.0	50.0
	52 Ethyl Methacrylate	50.00000	49.92829	0.010	0.1	50.0
	53 1,1,2-Trichloroethane	0.35919	0.37996	0.010	5.8	50.0
	54 1,3-Dichloropropane	0.62692	0.67362	0.010	7.4	50.0
	55 Tetrachloroethene	0.23096	0.23374	0.010	1.2	50.0
	56 2-Hexanone	100	92.63477	0.010	7.4	50.0
	57 Dibromochloromethane	0.29286	0.34387	0.010	17.4	50.0
	58 1,2-Dibromoethane	0.31655	0.33569	0.010	6.0	50.0
	59 Chlorobenzene	1.01002	1.02805	0.300	1.8	50.0
	60 1,1,1,2-Tetrachloroethane	0.32134	0.33085	0.010	3.0	50.0
	61 Ethylbenzene	50.00000	47.96155	0.010	4.1	20.0
	62 m + p-Xylene	100	95.09553	0.010	4.9	50.0
M	63 Xylenes (total)	150	142	0.010	5.5	50.0
	64 Xylene-o	50.00000	46.58881	0.010	6.8	50.0
	65 Styrene	50.00000	46.82018	0.010	6.4	50.0
	66 Bromoform	50.00000	63.91380	0.100	-27.8	50.0
	67 Isopropylbenzene	50.00000	45.73382	0.010	8.5	50.0
	68 1,1,2,2-Tetrachloroethane	1.06083	1.17195	0.300	10.5	50.0
	69 1,4-Dichloro-2-butene	0.34328	0.37102	0.010	8.1	50.0
	70 1,2,3-Trichloropropane	0.32360	0.35985	0.010	11.2	50.0
	71 Bromobenzene	0.74828	0.80231	0.010	7.2	50.0
	72 n-Propylbenzene	50.00000	49.83787	0.010	0.3	50.0
	73 2-Chlorotoluene	0.68146	0.74534	0.010	9.4	50.0
	74 1,3,5-Trimethylbenzene	50.00000	49.49935	0.010	1.0	50.0
	75 4-Chlorotoluene	0.73531	0.83904	0.010	14.1	50.0
	76 tert-Butylbenzene	50.00000	47.61537	0.010	4.8	50.0

Rf=0.1903 ✓
CMR 8-31-04

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79333.D
Report Date: 31-Aug-2004 14:02

STL North Canton

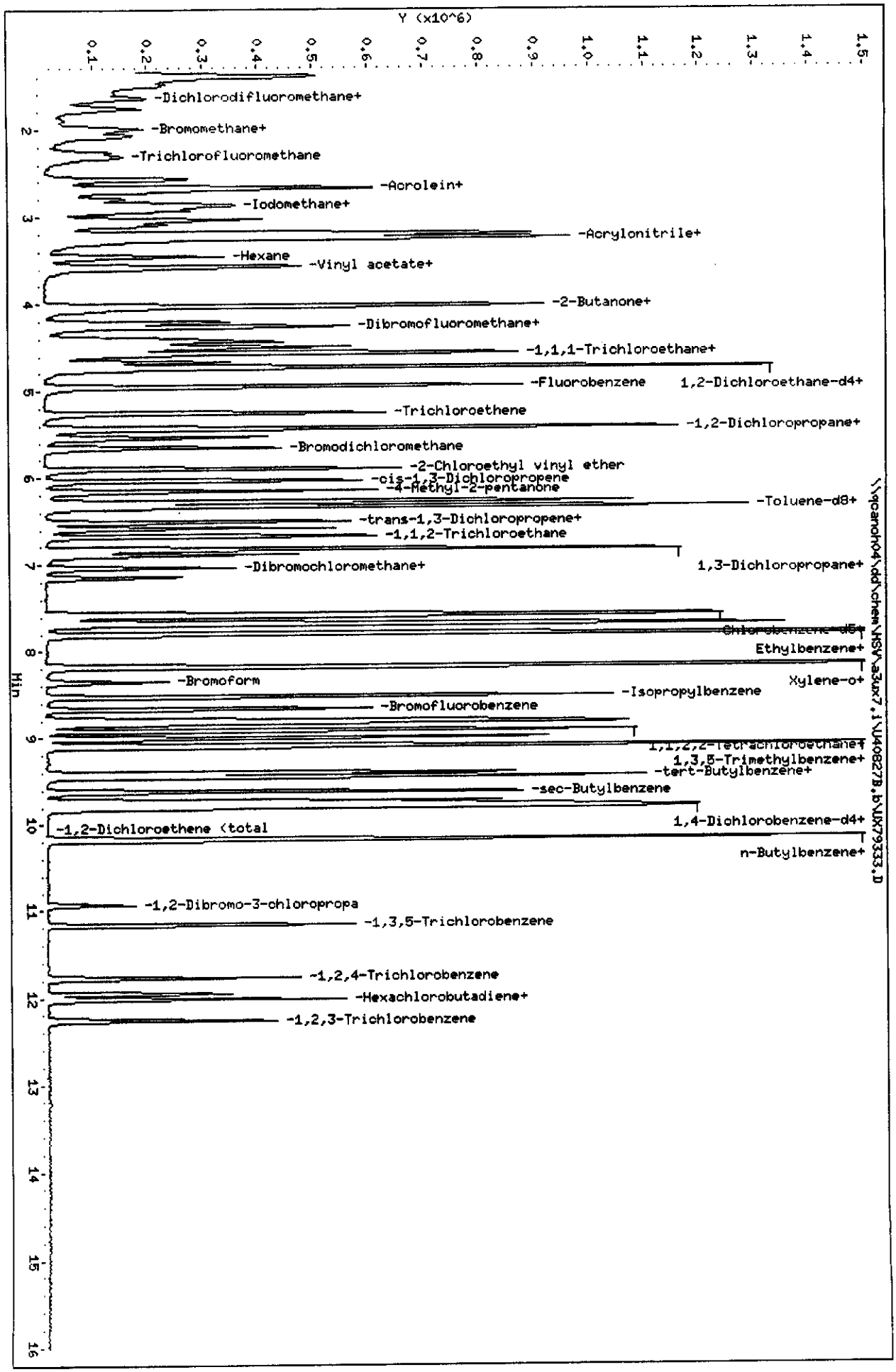
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 27-AUG-2004 20:29
Lab File ID: UX79333.D Init. Cal. Date(s): 20-APR-2004 21-AUG-2004
Analysis Type: WATER Init. Cal. Times: 14:54 10:14
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	50.00000	50.88494	0.010	-1.8	50.0
78 sec-Butylbenzene	50.00000	48.82235	0.010	2.4	50.0
79 4-Isopropyltoluene	50.00000	47.49203	0.010	5.0	50.0
80 1,3-Dichlorobenzene	1.37500	1.44023	0.010	4.7	50.0
81 1,4-Dichlorobenzene	1.47211	1.57985	0.010	7.3	50.0
82 n-Butylbenzene	50.00000	46.09064	0.010	7.8	50.0
83 1,2-Dichlorobenzene	1.39080	1.47799	0.010	6.3	50.0
84 1,2-Dibromo-3-chloropropane	0.13976	0.15989	0.010	14.4	50.0
85 1,2,4-Trichlorobenzene	0.58516	0.57969	0.010	-0.9	50.0
86 Hexachlorobutadiene	0.22470	0.20762	0.010	-7.6	50.0
87 Naphthalene	50.00000	44.98990	0.010	10.0	50.0
88 1,2,3-Trichlorobenzene	50.00000	45.88976	0.010	8.2	50.0
98 Cyclohexane	50.00000	45.66643	0.010	8.7	50.0
143 Methyl Acetate	0.19318	0.19566	0.010	1.3	50.0
144 Methylcyclohexane	50.00000	43.06460	0.010	13.9	50.0
141 1,3,5-Trichlorobenzene	0.67925	0.65895	0.010	-3.0	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79333.D
Date : 27-AUG-2004 20:29
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\U40827B.b\UX79333.D
Report Date: 31-Aug-2004 14:02

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79333.D
Lab Smp Id: 50NG-CC
Inj Date : 27-AUG-2004 20:29
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NG-CC
Misc Info : U40827B,N8260UX7-3,1-8260.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 31-Aug-2004 14:02 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	4.952	4.952	(1.000)	870722	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	579090	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	253033	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	191202	50.0000	49.331
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	294021	50.0000	50.672
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	777900	50.0000	52.116
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	234395	50.0000	49.249
8 Dichlorodifluoromethane	85	1.592	1.592	(0.321)	239662	50.0000	51.975
9 Chloromethane	50	1.651	1.651	(0.333)	343427	50.0000	46.222
10 Vinyl Chloride	62	1.757	1.757	(0.355)	334435	50.0000	46.512
11 Bromomethane	94	1.994	1.994	(0.403)	236298	50.0000	44.416
12 Chloroethane	64	2.077	2.077	(0.419)	240096	50.0000	44.365
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	372064	50.0000	51.954
15 Acrolein	56	2.574	2.574	(0.520)	432039	500.000	512.71
16 Acetone	43	2.680	2.680	(0.541)	219267	100.000	86.248
17 1,1-Dichloroethene	96	2.668	2.668	(0.539)	219192	50.0000	51.344
18 Freon-113	151	2.680	2.680	(0.541)	135963	50.0000	52.171

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79333.D
Report Date: 31-Aug-2004 14:02

	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)	279023	50.0000	47.924
	20 Carbon Disulfide	76	2.858	2.858	(0.577)	817724	50.0000	47.730
	21 Methylene Chloride	84	3.035	3.035	(0.613)	268041	50.0000	46.677
	22 Acetonitrile	41	2.893	2.893	(0.584)	313590	500.000	538.19
	23 Acrylonitrile	53	3.201	3.201	(0.646)	1022232	500.000	530.49
	24 Methyl tert-butyl ether	73	3.248	3.248	(0.656)	588035	50.0000	51.576
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	249881	50.0000	50.552
	26 Hexane	86	3.461	3.461	(0.699)	38888	50.0000	46.274
	27 Vinyl Acetate	43	3.591	3.591	(0.725)	407820	50.0000	47.586
	28 1,1-Dichloroethane	63	3.568	3.568	(0.720)	450117	50.0000	50.209
	29 tert-Butyl Alcohol	59	3.094	3.094	(0.625)	321761	1000.00	987.70
	30 2-Butanone	43	4.017	4.017	(0.811)	247955	100.000	93.451
M	31 1,2-Dichloroethene (total)	96				498006	100.000	101.58
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	248125	50.0000	51.027
	33 2,2-Dichloropropane	77	4.041	4.041	(0.816)	295500	50.0000	52.910
	34 Bromochloromethane	128	4.218	4.218	(0.852)	108607	50.0000	48.921
	35 Chloroform	83	4.266	4.266	(0.861)	428382	50.0000	49.634
	36 Tetrahydrofuran	42	4.254	4.254	(0.859)	60019	50.0000	49.870
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	352334	50.0000	50.955
	38 1,1-Dichloropropene	75	4.562	4.562	(0.921)	311288	50.0000	52.468
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	273548	50.0000	51.170
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	377808	50.0000	50.703
	41 Benzene	78	4.739	4.739	(0.957)	1041437	50.0000	50.349
	42 Trichloroethene	130	5.260	5.260	(1.062)	211364	50.0000	50.187
	43 1,2-Dichloropropane	63	5.437	5.437	(1.098)	253477	50.0000	50.009
	44 1,4-Dioxane	88	5.532	5.532	(1.117)	96315	2500.00	2631.7(A)
	45 Dibromomethane	93	5.532	5.532	(1.117)	151826	50.0000	52.315
	46 Bromodichloromethane	83	5.662	5.662	(1.143)	328269	50.0000	52.751
	47 2-Chloroethyl vinyl ether	63	5.899	5.899	(1.191)	298200	100.000	100.59
	48 cis-1,3-Dichloropropene	75	6.041	6.041	(1.220)	362320	50.0000	51.116
	49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	436952	100.000	95.161
	50 Toluene	91	6.337	6.337	(0.837)	1035691	50.0000	53.265
	51 trans-1,3-Dichloropropene	75	6.514	6.514	(0.861)	324389	50.0000	53.014
	52 Ethyl Methacrylate	69	6.585	6.585	(0.870)	286014	50.0000	49.928
	53 1,1,2-Trichloroethane	97	6.680	6.680	(0.883)	220029	50.0000	52.890
	54 1,3-Dichloropropane	76	6.822	6.822	(0.901)	390087	50.0000	53.724
	55 Tetrachloroethene	164	6.834	6.834	(0.903)	135357	50.0000	50.603
	56 2-Hexanone	43	6.893	6.893	(0.911)	334595	100.000	92.635
	57 Dibromochloromethane	129	7.035	7.035	(0.930)	199133	50.0000	58.709
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	194396	50.0000	53.023
	59 Chlorobenzene	112	7.603	7.603	(1.005)	595332	50.0000	50.892
	60 1,1,1,2-Tetrachloroethane	131	7.674	7.674	(1.014)	191593	50.0000	51.480
	61 Ethylbenzene	106	7.697	7.697	(1.017)	302544	50.0000	47.962
	62 m + p-Xylene	106	7.804	7.804	(1.031)	766025	100.000	95.096
M	63 Xylenes (total)	106				1128050	150.000	141.68
	64 Xylene-o	106	8.182	8.182	(1.081)	362025	50.0000	46.589
	65 Styrene	104	8.182	8.182	(1.081)	654753	50.0000	46.820

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79333.D
Report Date: 31-Aug-2004 14:02

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)	110220	50.0000	63.914
67 Isopropylbenzene	105	8.526	8.526	(1.127)	704679	50.0000	45.734
68 1,1,2,2-Tetrachloroethane	83	8.798	8.798	(0.898)	296543	50.0000	55.238
69 1,4-Dichloro-2-butene	53	8.845	8.845	(0.903)	93881	50.0000	54.040
70 1,2,3-Trichloropropane	110	8.833	8.833	(0.902)	91054	50.0000	55.601
71 Bromobenzene	156	8.821	8.821	(0.901)	203012	50.0000	53.610
72 n-Propylbenzene	120	8.916	8.916	(0.911)	200695	50.0000	49.838
73 2-Chlorotoluene	126	8.999	8.999	(0.919)	188596	50.0000	54.687
74 1,3,5-Trimethylbenzene	105	9.094	9.094	(0.929)	640165	50.0000	49.499
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	212304	50.0000	57.053
76 tert-Butylbenzene	119	9.413	9.413	(0.961)	452843	50.0000	47.615
77 1,2,4-Trimethylbenzene	105	9.449	9.449	(0.965)	696293	50.0000	50.885
78 sec-Butylbenzene	105	9.626	9.626	(0.983)	724388	50.0000	48.822
79 4-Isopropyltoluene	119	9.768	9.768	(0.998)	562584	50.0000	47.492
80 1,3-Dichlorobenzene	146	9.733	9.733	(0.994)	364426	50.0000	52.372(H)
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	399754	50.0000	53.659
82 n-Butylbenzene	91	10.170	10.170	(1.039)	527538	50.0000	46.091
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	373980	50.0000	53.134
84 1,2-Dibromo-3-chloropropane	157	10.940	10.940	(1.117)	40457	50.0000	57.202
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	146680	50.0000	49.532
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	52535	50.0000	46.200
87 Naphthalene	128	12.016	12.016	(1.227)	468635	50.0000	44.990
88 1,2,3-Trichlorobenzene	180	12.265	12.265	(1.253)	131550	50.0000	45.890
98 Cyclohexane	56	4.502	4.502	(0.909)	340826	50.0000	45.666
143 Methyl Acetate	43	2.929	2.929	(0.591)	340723	100.000	101.28
144 Methylcyclohexane	83	5.437	5.437	(1.098)	249885	50.0000	43.064
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	166737	50.0000	48.506

QC Flag Legend

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

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40827B.b/UX79332.D
Report Date: 08/27/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX79332.D
Analysis Type: WATER

Injection Date: 27-AUG-2004 20:06
Lab Sample ID: 50NGA9-CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40827B.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
53 3-Chloropropene	50.0000	43.1630	13.7	50.0	
54 2-Chloro-1,3-butadiene	50.0000	47.4331	5.1	50.0	
55 Propionitrile	100.0000	87.1036	12.9	50.0	
56 Methacrylonitrile	50.0000	38.0252	23.9	50.0	
57 Isobutanol	1000.0000	845.5373	15.4	50.0	
58 Methyl Methacrylate	50.0000	34.3107	31.4	50.0	
73 n-Butanol	1000.0000	634.4865	36.6	50.0	
74 Ethyl Acetate	100.0000	80.1146	19.9	50.0	
75 Cyclohexanone	500.0000	157.6422	68.5	50.0	<-
76 Ethyl Ether	50.0000	48.9789	2.0	50.0	
85 Dichlorofluoromethane	50.0000	65.1814	30.4	50.0	
86 2-Nitropropane	100.0000	89.8011	10.2	50.0	
126 Isopropyl Ether	250.0000	236.0529	5.6	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	22.0422	78.0	50.0	<-

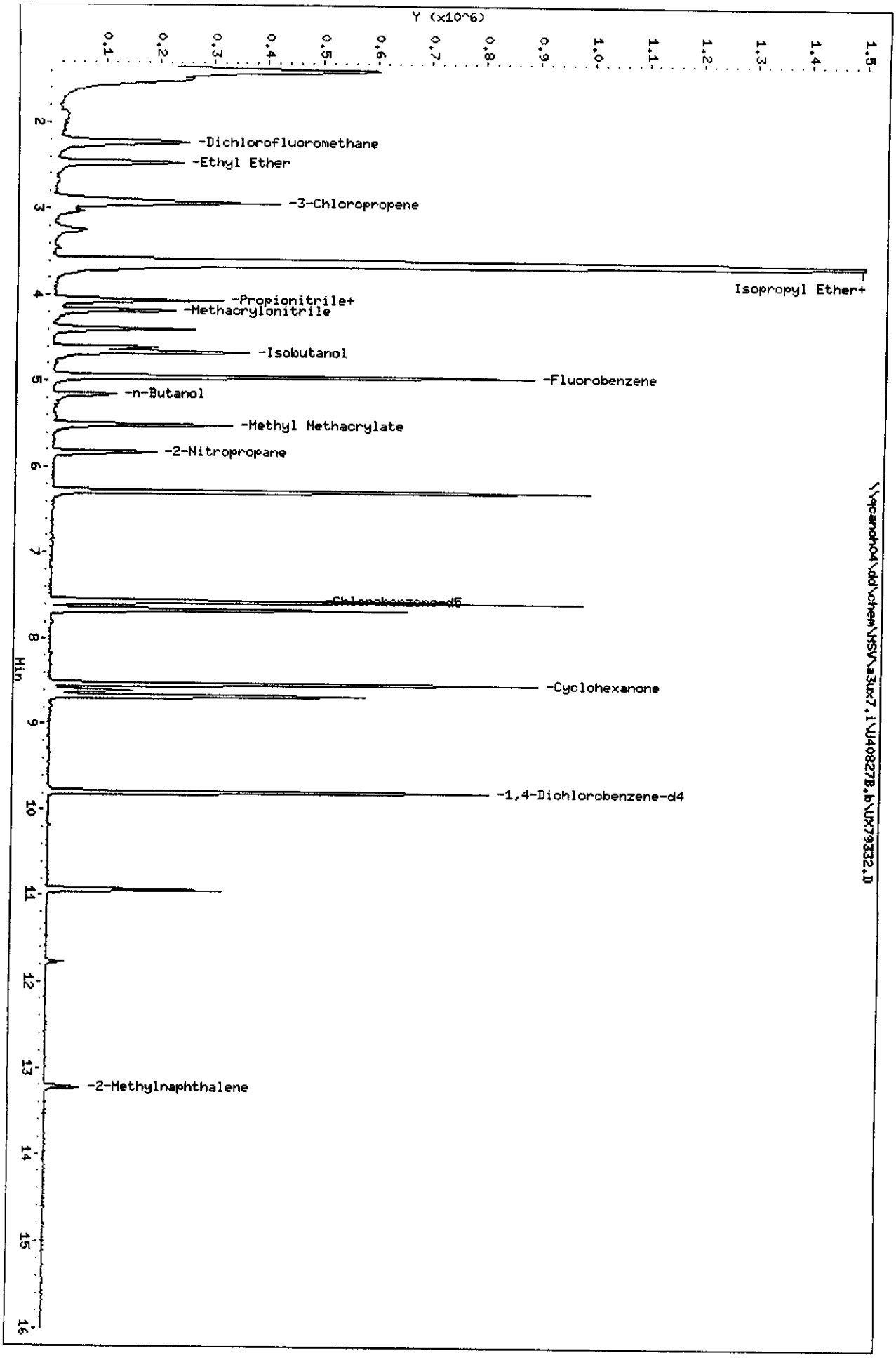
Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40827B.b\UX79332.D
Report Date: 27-Aug-2004 20:23

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 27-AUG-2004 20:06
Lab File ID: UX79332.D Init. Cal. Date(s): 20-APR-2004 21-AUG-2004
Analysis Type: WATER Init. Cal. Times: 14:54 10:14
Lab Sample ID: 50NGA9-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
14 Dichlorofluoromethane	50.00000	65.18140	0.010	-30.4	50.0	
89 Ethyl Ether	0.24011	0.23520	0.010	-2.0	50.0	
91 3-Chloropropene	0.14759	0.12741	0.010	-13.7	50.0	
92 Isopropyl Ether	0.23826	0.22497	0.010	-5.6	50.0	
93 2-Chloro-1,3-butadiene	0.46000	0.43639	0.010	-5.1	50.0	
94 Propionitrile	0.04491	0.03912	0.010	-12.9	50.0	
95 Ethyl Acetate	0.28472	0.22810	0.010	-19.9	50.0	
96 Methacrylonitrile	0.18831	0.14321	0.010	-23.9	50.0	
97 Isobutanol	0.01336	0.01130	0.010	-15.4	50.0	
99 n-Butanol	0.01262	0.00801	0.010	-36.6	50.0	<-
100 Methyl Methacrylate	0.27282	0.18721	0.010	-31.4	50.0	
101 2-Nitropropane	0.08400	0.07543	0.010	-10.2	50.0	
103 Cyclohexanone	0.12862	0.04055	0.010	-68.5	50.0	<-
146 2-Methylnaphthalene	100	22.04221	0.010	78.0	50.0	<-


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40827B.b\UX79332.D
Date : 27-AUG-2004 20:06
Client ID:
Sample Info: 50NG09-CC
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
\\qcanoh04\dd\chem\HSV\a3ux7.i\U40827B.b\UX79332.D
Y (x10^6)
Min
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
-Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
-Chlorobenzene-d5
-Cyclohexanone
-1,4-Dichlorobenzene-d4
-2-Methylnaphthalene

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79332.D
Report Date: 30-Aug-2004 12:05

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79332.D
Lab Smp Id: 50NGA9-CC
Inj Date : 27-AUG-2004 20:06
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NGA9-CC
Misc Info : U40827B,N8260UX7-3,3-IX.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 30-Aug-2004 12:05 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)	920347	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	567388	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	209268	50.0000	
14 Dichlorofluoromethane	67	2.231	2.231	(0.450)	513720	50.0000	65.181
89 Ethyl Ether	59	2.467	2.467	(0.498)	216468	50.0000	48.979
91 3-Chloropropene	76	2.941	2.941	(0.594)	117257	50.0000	43.163
92 Isopropyl Ether	87	3.615	3.615	(0.730)	1035232	250.000	236.05(A)
93 2-Chloro-1,3-butadiene	53	3.639	3.639	(0.735)	401627	50.0000	47.433
94 Propionitrile	54	4.065	4.065	(0.821)	72011	100.000	87.103
95 Ethyl Acetate	43	4.065	4.065	(0.821)	419865	100.000	80.114
96 Methacrylonitrile	41	4.183	4.183	(0.845)	131800	50.0000	38.025
97 Isobutanol	41	4.609	4.609	(0.609)	128226	1000.00	845.53(A)
99 n-Butanol	56	5.153	5.153	(0.681)	90882	1000.00	634.49(A)
100 Methyl Methacrylate	41	5.508	5.508	(1.112)	172301	50.0000	34.310
101 2-Nitropropane	41	5.828	5.828	(1.177)	138851	100.000	89.800
103 Cyclohexanone	55	8.597	8.597	(0.878)	84863	500.000	157.64
146 2-Methylnaphthalene	142	13.223	13.223	(1.350)	38409	100.000	22.042

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79332.D
Report Date: 30-Aug-2004 12:05

QC Flag Legend

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

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Start Cal Date: 16-AUG-2004 16:18
End Cal Date : 23-AUG-2004 18:10
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
23-AUG-2004 18:10	2-8260	UXJ23279.D
16-AUG-2004 18:11	3-IX	UXJ23214.D
Cal Level: 2 , Cal Amount: 10.000		
23-AUG-2004 17:47	2-8260	UXJ23278.D
16-AUG-2004 17:48	3-IX	UXJ23213.D
Cal Level: 3 , Cal Amount: 25.000		
23-AUG-2004 17:24	2-8260	UXJ23277.D
16-AUG-2004 17:26	3-IX	UXJ23212.D
Cal Level: 4 , Cal Amount: 50.000		
23-AUG-2004 17:02	2-8260	UXJ23276.D
16-AUG-2004 17:03	3-IX	UXJ23211.D
Cal Level: 5 , Cal Amount: 100.00		
23-AUG-2004 16:39	2-8260	UXJ23275.D
16-AUG-2004 16:40	3-IX	UXJ23210.D
Cal Level: 6 , Cal Amount: 200.00		
23-AUG-2004 16:17	2-8260	UXJ23274.D
16-AUG-2004 16:18	3-IX	UXJ23209.D

Continuing Calibration

~~16-AUG-2004 17:03~~	~~3-IX~~	~~UXJ23211.D~~ 8/24/04
23-AUG-2004 17:02	2-8260	UXJ23276.D

Report Date : 24-Aug-2004 09:00

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
End Cal Date : 23-AUG-2004 18:10
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\Dummy.b\8260LLUX11.m
Cal Date : 24-Aug-2004 08:57 evansl
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23279.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23278.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23277.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23276.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23275.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23274.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	0.18505	0.18963	0.14655	0.15511	0.21772	0.21491	0.18483	15.974
	9 Chloromethane	0.62598	0.47355	0.39781	0.35872	0.36170	0.31569	0.42224	26.751
	10 Vinyl Chloride	0.21696	0.21365	0.19184	0.19628	0.21692	0.22745	0.21052	6.481
	11 Bromomethane	0.13529	0.11866	0.10671	0.09812	0.08715	0.08332	0.10487	18.797
	12 Chloroethane	0.13998	0.19259	0.17902	0.16796	0.17447	0.13862	0.16544	13.179
	13 Trichlorofluoromethane	0.21182	0.22569	0.17064	0.19852	0.26227	0.25402	0.22049	15.632
	14 Dichlorofluoromethane	0.45871	0.50000	0.48561	0.49154	0.48286	0.49097	0.48495	2.915
	15 Acrolein	0.04515	0.04457	0.04541	0.04573	0.04458	0.04453	0.04499	1.138
	16 Acetone	0.30874	0.16461	0.14067	0.12284	0.12379	0.13198	0.16544	43.435
	17 1,1-Dichloroethene	0.24140	0.24913	0.21643	0.20025	0.24536	0.25076	0.23389	8.847
	18 Freon-113	0.14086	0.14662	0.13644	0.12531	0.17064	0.16368	0.14726	11.590
	19 Iodomethane	0.22704	0.23262	0.23227	0.22237	0.23041	0.26873	0.23557	7.085
	20 Carbon Disulfide	0.82437	0.72282	0.70004	0.67278	0.82747	0.86295	0.76841	10.322
	21 Methylene Chloride	0.47020	0.56732	0.41117	0.34674	0.32154	0.30764	0.40410	24.863
	22 Acetonitrile	0.04050	0.03720	0.03559	0.03807	0.03411	0.04089	0.03773	7.092
	23 Acrylonitrile	0.11345	0.11242	0.11326	0.11211	0.11137	0.11492	0.11292	1.098
	24 Methyl tert-butyl ether	0.56846	0.53623	0.55810	0.57335	0.60473	0.63488	0.57929	6.075
	25 trans-1,2-Dichloroethene	0.28059	0.23718	0.24786	0.23861	0.26807	0.26634	0.25644	6.930
	26 Hexane	0.04680	0.04123	0.03965	0.03560	0.04989	0.04680	0.04333	12.422
	27 Vinyl acetate	0.39411	0.42562	0.47316	0.48545	0.51425	0.54024	0.47214	11.540
	28 1,1-Dichloroethane	0.47580	0.46421	0.44543	0.43070	0.46348	0.46316	0.45713	3.542
	29 tert-Butyl Alcohol	0.02764	0.02346	0.02177	0.02142	0.01994	0.02481	0.02317	11.926
	30 2-Butanone	0.16725	0.13894	0.14429	0.14226	0.14970	0.15870	0.15019	7.219
M	31 1,2-Dichloroethene (total)	0.28042	0.24502	0.25627	0.24929	0.27195	0.27150	0.26241	5.417
	32 cis-1,2-dichloroethene	0.28025	0.25285	0.26467	0.25996	0.27583	0.27665	0.26837	4.049

Report Date : 24-Aug-2004 09:00

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
End Cal Date : 23-AUG-2004 18:10
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\Dummy.b\8260LLUX11.m
Cal Date : 24-Aug-2004 08:57 evansl
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	0.16931	0.15641	0.15873	0.15129	0.18297	0.18862	0.16789	9.036	
	34 Bromochloromethane	0.15063	0.13124	0.14055	0.13199	0.13317	0.13096	0.13642	5.733	
	35 Chloroform	0.46830	0.45067	0.45027	0.44277	0.47086	0.46339	0.45771	2.483	
	36 Tetrahydrofuran	0.09261	0.08073	0.07947	0.07905	0.07766	0.08194	0.08191	6.642	
	37 1,1,1-Trichloroethane	0.28406	0.24479	0.25125	0.23318	0.28758	0.28540	0.26438	9.105	
	38 1,1-Dichloropropene	0.31296	0.28905	0.28047	0.26877	0.34143	0.33488	0.30459	9.796	
	39 Carbon Tetrachloride	0.19319	0.18766	0.17316	0.16474	0.21859	0.22311	0.19341	12.195	
	40 1,2-Dichloroethane	0.39524	0.34549	0.36827	0.35980	0.35849	0.36197	0.36488	4.560	
	41 Benzene	1.21004	1.08441	1.09143	1.06214	1.16529	1.13934	1.12544	4.992	
	42 Trichloroethene	0.26507	0.23773	0.23771	0.23433	0.26165	0.26169	0.24970	5.793	
	43 1,2-Dichloropropane	0.28937	0.25927	0.26871	0.26881	0.28058	0.27756	0.27405	3.875	
	44 1,4-Dioxane	0.00331	0.00331	0.00289	0.00329	0.00327	0.00310	0.00320	5.316	<-
	45 Dibromomethane	0.18087	0.16695	0.16491	0.15735	0.16520	0.16078	0.16601	4.864	
	46 Bromodichloromethane	0.29371	0.28019	0.30745	0.30387	0.32460	0.33573	0.30759	6.565	
	47 2-Chloroethyl vinyl ether	0.12404	0.12314	0.14882	0.15854	0.16673	0.17411	0.14923	14.458	
	48 cis-1,3-Dichloropropene	0.35762	0.34448	0.39219	0.40247	0.42852	0.44005	0.39422	9.601	
	49 4-Methyl-2-pentanone	0.24553	0.23042	0.25147	0.25799	0.27538	0.28827	0.25818	8.082	
	50 Toluene	1.32332	1.29146	1.42971	1.39132	1.50849	1.53179	1.41268	6.848	
	51 trans-1,3-Dichloropropene	0.40217	0.40062	0.44636	0.46516	0.48687	0.51601	0.45286	10.185	
	52 Ethyl Methacrylate	0.34197	0.37106	0.42736	0.46229	0.49194	0.51473	0.43489	15.645	
	53 1,1,2-Trichloroethane	0.34398	0.30335	0.32447	0.32514	0.31819	0.32332	0.32308	4.051	
	54 1,3-Dichloropropane	0.60959	0.55201	0.58529	0.57402	0.57500	0.59455	0.58174	3.387	
	55 Tetrachloroethene	0.26384	0.24680	0.22729	0.21918	0.24718	0.25422	0.24309	6.899	
	56 2-Hexanone	0.22267	0.22877	0.26084	0.26419	0.28476	0.31096	0.26203	12.740	
	57 Dibromochloromethane	0.23138	0.23161	0.25570	0.26033	0.28545	0.31443	0.26315	12.248	
	58 1,2-Dibromoethane	0.30415	0.29550	0.31478	0.32057	0.31702	0.32794	0.31333	3.732	
	59 Chlorobenzene	1.03748	0.94753	0.97720	0.94391	0.97916	0.98780	0.97885	3.456	
	60 1,1,1,2-Tetrachloroethane	0.30433	0.28521	0.29373	0.29413	0.30245	0.31974	0.29993	3.965	
	61 Ethylbenzene	0.40821	0.39709	0.43692	0.45294	0.50084	0.52555	0.45359	11.216	
	62 m + p-Xylene	0.52768	0.51908	0.59303	0.58856	0.65325	0.67617	0.59296	10.745	
M	63 Xylenes (total)	0.51249	0.50227	0.58727	0.59059	0.64688	0.67182	0.58522	11.716	
	64 Xylene-o	0.48212	0.46864	0.57576	0.59465	0.63415	0.66310	0.56974	13.914	
	65 Styrene	0.81989	0.87861	1.06933	1.11836	1.18367	1.22131	1.04853	15.647	

Report Date : 24-Aug-2004 09:00

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
End Cal Date : 23-AUG-2004 18:10
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\Dummy.b\8260LLUX11.m
Cal Date : 24-Aug-2004 08:57 evansl
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	0.13815	0.14678	0.15812	0.16760	0.18976	0.22243	0.17047	18.248
67 Isopropylbenzene	1.01747	1.01063	1.11708	1.15438	1.39739	1.44801	1.19083	15.849
68 1,1,2,2-Tetrachloroethane	0.90122	0.85087	0.82757	0.85702	0.81583	0.81337	0.84431	3.926
69 1,4-Dichloro-2-butene	0.24103	0.20409	0.22146	0.25035	0.23941	0.25447	0.23514	8.090
70 1,2,3-Trichloropropane	0.29750	0.24993	0.26319	0.26754	0.25308	0.26002	0.26521	6.442
71 Bromobenzene	0.71285	0.69516	0.72688	0.73457	0.73807	0.75343	0.72683	2.814
72 n-Propylbenzene	0.49191	0.52130	0.57092	0.60480	0.68877	0.71353	0.59854	14.850
73 2-Chlorotoluene	0.55049	0.55754	0.62678	0.63219	0.67647	0.68670	0.62169	9.254
74 1,3,5-Trimethylbenzene	1.58644	1.64845	1.87513	2.00599	2.25675	2.28819	1.94349	15.265
75 4-Chlorotoluene	0.62749	0.62723	0.70565	0.71152	0.72328	0.74727	0.69041	7.369
76 tert-Butylbenzene	1.41749	1.27445	1.37453	1.45023	1.74537	1.82487	1.51449	14.478
77 1,2,4-Trimethylbenzene	1.62558	1.77258	2.07517	2.23294	2.40918	2.45866	2.09569	16.177
78 sec-Butylbenzene	1.95352	1.83718	1.92601	2.00758	2.47440	2.48764	2.11439	13.684
79 4-Isopropyltoluene	1.52438	1.51912	1.67024	1.77894	2.08010	2.13945	1.78537	15.124
80 1,3-Dichlorobenzene	1.42250	1.32021	1.36183	1.33538	1.35320	1.36156	1.35912	2.579
81 1,4-Dichlorobenzene	1.57216	1.48043	1.40391	1.42797	1.42082	1.41549	1.45347	4.398
82 n-Butylbenzene	1.46033	1.33296	1.39225	1.48126	1.83513	1.89172	1.56561	15.152
83 1,2-Dichlorobenzene	1.34744	1.27492	1.32208	1.34267	1.32036	1.31772	1.32086	1.946
84 1,2-Dibromo-3-chloropropane	0.11131	0.11512	0.12002	0.12903	0.12582	0.12813	0.12157	6.001
85 1,2,4-Trichlorobenzene	0.47138	0.47197	0.48194	0.52464	0.53505	0.48329	0.49471	5.629
86 Hexachlorobutadiene	0.29756	0.24501	0.22480	0.22750	0.24599	0.21022	0.24185	12.578
87 Naphthalene	0.92337	0.93027	1.04113	1.29024	1.36006	1.19078	1.12264	16.543
88 1,2,3-Trichlorobenzene	0.31211	0.31319	0.33250	0.38135	0.35874	0.27918	0.32951	11.070
89 Ethyl Ether	0.26862	0.25572	0.24190	0.23691	0.23958	0.23653	0.24654	5.241
90 Ethanol	*****	*****	*****	*****	*****	*****	*****	***** <-
91 3-Chloropropene	0.08501	0.09752	0.10420	0.10696	0.10892	0.11570	0.10305	10.335
92 Isopropyl Ether	0.19894	0.21144	0.22424	0.23464	0.23633	0.23561	0.22353	6.886
93 2-Chloro-1,3-butadiene	0.33010	0.35251	0.38261	0.39081	0.38671	0.39380	0.37276	6.882
94 Propionitrile	0.04383	0.04396	0.04410	0.04111	0.04094	0.03990	0.04231	4.404
95 Ethyl Acetate	0.25153	0.23918	0.24678	0.23828	0.24450	0.25022	0.24508	2.253
96 Methacrylonitrile	0.15470	0.15983	0.15530	0.15862	0.16298	0.16195	0.15890	2.134
97 Isobutanol	0.01214	0.01067	0.01151	0.01109	0.01159	0.01152	0.01142	4.362
98 Cyclohexane	0.32819	0.27038	0.27323	0.27590	0.40016	0.39302	0.32348	18.726

Report Date : 24-Aug-2004 09:00

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
End Cal Date : 23-AUG-2004 18:10
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\Dummy.b\8260LLUX11.m
Cal Date : 24-Aug-2004 08:57 evansl
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	0.00708	0.00755	0.00826	0.00839	0.00871	0.00930	0.00822	9.712	<-
100 Methyl Methacrylate	0.17898	0.17553	0.18573	0.19952	0.20913	0.22296	0.19531	9.504	
101 2-Nitropropane	0.05322	0.06193	0.06220	0.06218	0.06202	0.06322	0.06079	6.151	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	0.02167	0.02329	0.02670	0.02927	0.03085	0.03125	0.02717	14.734	
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	0.76239	0.65341	0.67115	0.67565	0.70016	0.69285	0.69260	5.483	
143 Methyl Acetate	0.23159	0.22622	0.21149	0.20921	0.21058	0.21178	0.21681	4.411	
144 Methylcyclohexane	0.25760	0.23744	0.22685	0.23172	0.32453	0.31742	0.26592	16.532	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 4 Dibromofluoromethane	0.24833	0.24050	0.23464	0.22788	0.23100	0.22948	0.23531	3.317	
$ 5 1,2-Dichloroethane-d4	0.33210	0.32559	0.32333	0.28901	0.29145	0.30829	0.31163	5.883	
$ 6 Toluene-d8	1.12687	1.15349	1.22337	1.23159	1.21944	1.23275	1.19792	3.822	
$ 7 Bromofluorobenzene	0.48179	0.48817	0.51654	0.51297	0.51592	0.53069	0.50768	3.690	

Report Date : 24-Aug-2004 08:58

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
End Cal Date : 23-AUG-2004 18:10
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Cal Date : 24-Aug-2004 08:57 evansl

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23279.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23278.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23277.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23276.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23275.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B.b\UXJ23274.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	36234	76444	152547	331907	932093	1836332	QUAD	0.09459	4.72036	-0.23468	0.99468
9 Chloromethane	122572	190904	414081	767618	1548500	2697411	QUAD	-0.02932	2.48111	0.55425	0.99920
10 Vinyl Chloride	0.21696	0.21365	0.19184	0.19628	0.21692	0.22745	AVRG		0.21052		6.48069
11 Bromomethane	26490	47836	111071	209960	373084	711906	QUAD	-0.07214	10.98975	3.75510	0.99956
12 Chloroethane	0.13998	0.19259	0.17902	0.16796	0.17447	0.13862	AVRG		0.16544		13.17899
13 Trichlorofluoromethane	41476	90983	177616	424813	1122799	2170505	QUAD	0.09694	3.80871	0.01250	0.99567
14 Dichlorofluoromethane	0.45871	0.50000	0.48561	0.49154	0.48286	0.49097	AVRG		0.48495		2.91496
15 Acrolein	0.04515	0.04457	0.04541	0.04573	0.04458	0.04453	AVRG		0.04499		1.13819
16 Acetone	120906	132720	292849	525718	1059897	2255436	WLINR	-0.22294	0.12270		0.99081

Report Date : 24-Aug-2004 08:58

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
End Cal Date : 23-AUG-2004 18:10
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Cal Date : 24-Aug-2004 08:57 evansl

	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	0.24140	0.24913	0.21643	0.20025	0.24536	0.25076	AVRG		0.23389		8.84748
	18 Freon-113	0.14086	0.14662	0.13644	0.12531	0.17064	0.16368	AVRG		0.14726		11.58956
	19 Iodomethane	0.22704	0.23262	0.23227	0.22237	0.23041	0.26873	AVRG		0.23557		7.08487
	20 Carbon Disulfide	0.82437	0.72282	0.70004	0.67278	0.82747	0.86295	AVRG		0.76841		10.32195
	21 Methylene Chloride	92069	228705	427982	741969	1376557	2628675	QUAD	-0.11076	3.13072	0.17435	0.99924
	22 Acetonitrile	0.04050	0.03720	0.03559	0.03807	0.03411	0.04089	AVRG		0.03773		7.09184
	23 Acrylonitrile	0.11345	0.11242	0.11326	0.11211	0.11137	0.11492	AVRG		0.11292		1.09808
	24 Methyl tert-butyl ether	0.56846	0.53623	0.55810	0.57335	0.60473	0.63488	AVRG		0.57929		6.07527
	25 trans-1,2-Dichloroethene	0.28059	0.23718	0.24786	0.23861	0.26807	0.26634	AVRG		0.25644		6.92994
	26 Hexane	0.04680	0.04123	0.03965	0.03560	0.04989	0.04680	AVRG		0.04333		12.42188
	27 Vinyl acetate	0.39411	0.42562	0.47316	0.48545	0.51425	0.54024	AVRG		0.47214		11.53961
	28 1,1-Dichloroethane	0.47580	0.46421	0.44543	0.43070	0.46348	0.46316	AVRG		0.45713		3.54244
	29 tert-Butyl Alcohol	0.02764	0.02346	0.02177	0.02142	0.01994	0.02481	AVRG		0.02317		11.92596
	30 2-Butanone	0.16725	0.13894	0.14429	0.14226	0.14970	0.15870	AVRG		0.15019		7.21949
M	31 1,2-Dichloroethene (total)	0.28042	0.24502	0.25627	0.24929	0.27195	0.27150	AVRG		0.26241		5.41731
	32 cis-1,2-dichloroethene	0.28025	0.25285	0.26467	0.25996	0.27583	0.27665	AVRG		0.26837		4.04860
	33 2,2-Dichloropropane	0.16931	0.15641	0.15873	0.15129	0.18297	0.18862	AVRG		0.16789		9.03560

Report Date : 24-Aug-2004 08:58

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
End Cal Date : 23-AUG-2004 18:10
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Cal Date : 24-Aug-2004 08:57 evansl

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	0.15063	0.13124	0.14055	0.13199	0.13317	0.13096	AVRG		0.13642		5.73256	
35 Chloroform	0.46830	0.45067	0.45027	0.44277	0.47086	0.46339	AVRG		0.45771		2.48264	
36 Tetrahydrofuran	0.09261	0.08073	0.07947	0.07905	0.07766	0.08194	AVRG		0.08191		6.64215	
37 1,1,1-Trichloroethane	0.28406	0.24479	0.25125	0.23318	0.28758	0.28540	AVRG		0.26438		9.10473	
38 1,1-Dichloropropene	0.31296	0.28905	0.28047	0.26877	0.34143	0.33488	AVRG		0.30459		9.79579	
39 Carbon Tetrachloride	0.19319	0.18766	0.17316	0.16474	0.21859	0.22311	AVRG		0.19341		12.19483	
40 1,2-Dichloroethane	0.39524	0.34549	0.36827	0.35980	0.35849	0.36197	AVRG		0.36488		4.55994	
41 Benzene	1.21004	1.08441	1.09143	1.06214	1.16529	1.13934	AVRG		1.12544		4.99242	
42 Trichloroethene	0.26507	0.23773	0.23771	0.23433	0.26165	0.26169	AVRG		0.24970		5.79289	
43 1,2-Dichloropropane	0.28937	0.25927	0.26871	0.26881	0.28058	0.27756	AVRG		0.27405		3.87513	
44 1,4-Dioxane	0.00331	0.00331	0.00289	0.00329	0.00327	0.00310	AVRG		0.00320		5.31606	<-
45 Dibromomethane	0.18087	0.16695	0.16491	0.15735	0.16520	0.16078	AVRG		0.16601		4.86381	
46 Bromodichloromethane	0.29371	0.28019	0.30745	0.30387	0.32460	0.33573	AVRG		0.30759		6.56517	
47 2-Chloroethyl vinyl ether	0.12404	0.12314	0.14882	0.15854	0.16673	0.17411	AVRG		0.14923		14.45807	
48 cis-1,3-Dichloropropene	0.35762	0.34448	0.39219	0.40247	0.42852	0.44005	AVRG		0.39422		9.60053	
49 4-Methyl-2-pentanone	0.24553	0.23042	0.25147	0.25799	0.27538	0.28827	AVRG		0.25818		8.08199	
50 Toluene	1.32332	1.29146	1.42971	1.39132	1.50849	1.53179	AVRG		1.41268		6.84788	

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
End Cal Date : 23-AUG-2004 18:10
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Cal Date : 24-Aug-2004 08:57 evansl

	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	0.40217	0.40062	0.44636	0.46516	0.48687	0.51601	AVRG		0.45286		10.18463
	52 Ethyl Methacrylate	52469	117083	343719	773247	1674778	3435426	QUAD	0.04593	2.07215	-0.07419	0.99993
	53 1,1,2-Trichloroethane	0.34398	0.30335	0.32447	0.32514	0.31819	0.32332	AVRG		0.32308		4.05102
	54 1,3-Dichloropropane	0.60959	0.55201	0.58529	0.57402	0.57500	0.59455	AVRG		0.58174		3.38684
	55 Tetrachloroethene	0.26384	0.24680	0.22729	0.21918	0.24718	0.25422	AVRG		0.24309		6.89900
	56 2-Hexanone	0.22267	0.22877	0.26084	0.26419	0.28476	0.31096	AVRG		0.26203		12.74019
	57 Dibromochloromethane	0.23138	0.23161	0.25570	0.26033	0.28545	0.31443	AVRG		0.26315		12.24804
	58 1,2-Dibromoethane	0.30415	0.29550	0.31478	0.32057	0.31702	0.32794	AVRG		0.31333		3.73246
	59 Chlorobenzene	1.03748	0.94753	0.97720	0.94391	0.97916	0.98780	AVRG		0.97885		3.45599
	60 1,1,1,2-Tetrachloroethane	0.30433	0.28521	0.29373	0.29413	0.30245	0.31974	AVRG		0.29993		3.96461
	61 Ethylbenzene	0.40821	0.39709	0.43692	0.45294	0.50084	0.52555	AVRG		0.45359		11.21601
	62 m + p-Xylene	0.52768	0.51908	0.59303	0.58856	0.65325	0.67617	AVRG		0.59296		10.74532
M	63 Xylenes (total)	0.51249	0.50227	0.58727	0.59059	0.64688	0.67182	AVRG		0.58522		11.71582
	64 Xylene-o	0.48212	0.46864	0.57576	0.59465	0.63415	0.66310	AVRG		0.56974		13.91385
	65 Styrene	125797	277235	860042	1870598	4029766	8151269	QUAD	0.04448	0.85102	-0.00854	0.99995
	66 Bromoform	21197	46315	127171	280334	646046	1484556	QUAD	0.03804	5.80552	-1.52366	0.99982
	67 Isopropylbenzene	156112	318892	898447	1930853	4757371	9664299	WLINR	0.05218	1.42283		0.99414

eport Date : 24-Aug-2004 08:58

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 16-AUG-2004 16:18
nd Cal Date : 23-AUG-2004 18:10
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
al Date : 24-Aug-2004 08:57 evansl

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	0.90122	0.85087	0.82757	0.85702	0.81583	0.81337	AVRG		0.84431		3.92554
69 1,4-Dichloro-2-butene	0.24103	0.20409	0.22146	0.25035	0.23941	0.25447	AVRG		0.23514		8.08979
70 1,2,3-Trichloropropane	0.29750	0.24993	0.26319	0.26754	0.25308	0.26002	AVRG		0.26521		6.44228
71 Bromobenzene	0.71285	0.69516	0.72688	0.73457	0.73807	0.75343	AVRG		0.72683		2.81440
72 n-Propylbenzene	0.49191	0.52130	0.57092	0.60480	0.68877	0.71353	AVRG		0.59854		14.85011
73 2-Chlorotoluene	0.55049	0.55754	0.62678	0.63219	0.67647	0.68670	AVRG		0.62169		9.25375
74 1,3,5-Trimethylbenzene	135032	294386	884301	1937493	4494308	9041298	WLINR	0.04703	2.27837		0.99775
75 4-Chlorotoluene	0.62749	0.62723	0.70565	0.71152	0.72328	0.74727	AVRG		0.69041		7.36881
76 tert-Butylbenzene	1.41749	1.27445	1.37453	1.45023	1.74537	1.82487	AVRG		1.51449		14.47787
77 1,2,4-Trimethylbenzene	138364	316554	978641	2156696	4797861	9714842	WLINR	0.04679	2.45460		0.99888
78 sec-Butylbenzene	1.95352	1.83718	1.92601	2.00758	2.47440	2.48764	AVRG		2.11439		13.68362
79 4-Isopropyltoluene	129750	271290	787676	1718200	4142498	8453569	WLINR	0.04939	2.11125		0.99567
80 1,3-Dichlorobenzene	1.42250	1.32021	1.36183	1.33538	1.35320	1.36156	AVRG		1.35912		2.57890
81 1,4-Dichlorobenzene	1.57216	1.48043	1.40391	1.42797	1.42082	1.41549	AVRG		1.45347		4.39781
82 n-Butylbenzene	124298	238045	656579	1430683	3654646	7474710	WLINR	0.04995	1.85521		0.99198
83 1,2-Dichlorobenzene	1.34744	1.27492	1.32208	1.34267	1.32036	1.31772	AVRG		1.32086		1.94603
84 1,2-Dibromo-3-chloropropane	0.11131	0.11512	0.12002	0.12903	0.12582	0.12813	AVRG		0.12157		6.00094

:eport Date : 24-Aug-2004 08:58

STL North Canton

INITIAL CALIBRATION DATA

:tart Cal Date : 16-AUG-2004 16:18
:nd Cal Date : 23-AUG-2004 18:10
)uant Method : ISTD
:arget Version : 4.04
:ntegrator : HP RTE
lethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
:al Date : 24-Aug-2004 08:57 evansl

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	0.47138	0.47197	0.48194	0.52464	0.53505	0.48329	AVRG		0.49471		5.62942	
86 Hexachlorobutadiene	0.29756	0.24501	0.22480	0.22750	0.24599	0.21022	AVRG		0.24185		12.57847	
87 Naphthalene	78594	166132	490992	1246179	2708547	4705098	WLINR	0.03704	1.26960		0.99353	
88 1,2,3-Trichlorobenzene	0.31211	0.31319	0.33250	0.38135	0.35874	0.27918	AVRG		0.32951		11.06968	
89 Ethyl Ether	0.26862	0.25572	0.24190	0.23691	0.23958	0.23653	AVRG		0.24654		5.24098	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.08501	0.09752	0.10420	0.10696	0.10892	0.11570	AVRG		0.10305		10.33497	
92 Isopropyl Ether	0.19894	0.21144	0.22424	0.23464	0.23633	0.23561	AVRG		0.22353		6.88556	
93 2-Chloro-1,3-butadiene	0.33010	0.35251	0.38261	0.39081	0.38671	0.39380	AVRG		0.37276		6.88150	
94 Propionitrile	0.04383	0.04396	0.04410	0.04111	0.04094	0.03990	AVRG		0.04231		4.40359	
95 Ethyl Acetate	0.25153	0.23918	0.24678	0.23828	0.24450	0.25022	AVRG		0.24508		2.25277	
96 Methacrylonitrile	0.15470	0.15983	0.15530	0.15862	0.16298	0.16195	AVRG		0.15890		2.13440	
97 Isobutanol	0.01214	0.01067	0.01151	0.01109	0.01159	0.01152	AVRG		0.01142		4.36240	
98 Cyclohexane	64262	109000	284402	590383	1713126	3358182	QUAD	0.11308	2.53286	-0.04744	0.99437	
99 n-Butanol	0.00708	0.00755	0.00826	0.00839	0.00871	0.00930	AVRG		0.00822		9.71167	<-
100 Methyl Methacrylate	0.17898	0.17553	0.18573	0.19952	0.20913	0.22296	AVRG		0.19531		9.50417	
101 2-Nitropropane	0.05322	0.06193	0.06220	0.06218	0.06202	0.06322	AVRG		0.06079		6.15064	

:eport Date : 24-Aug-2004 08:58

STL North Canton

INITIAL CALIBRATION DATA

:tart Cal Date : 16-AUG-2004 16:18
:nd Cal Date : 23-AUG-2004 18:10
)uant Method : ISTD
:arget Version : 4.04
:ntegrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
:al Date : 24-Aug-2004 08:57 evansl

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	0.02167	0.02329	0.02670	0.02927	0.03085	0.03125	AVRG		0.02717		14.73408	
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	0.76239	0.65341	0.67115	0.67565	0.70016	0.69285	AVRG		0.69260		5.48310	
143 Methyl Acetate	0.23159	0.22622	0.21149	0.20921	0.21058	0.21178	AVRG		0.21681		4.41089	
144 Methylcyclohexane	50439	95718	236124	495840	1389342	2712201	QUAD	0.10386	3.11720	-0.05155	0.99513	
145 Dimethoxymethane	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	<-

eport Date : 24-Aug-2004 08:58

STL North Canton

INITIAL CALIBRATION DATA

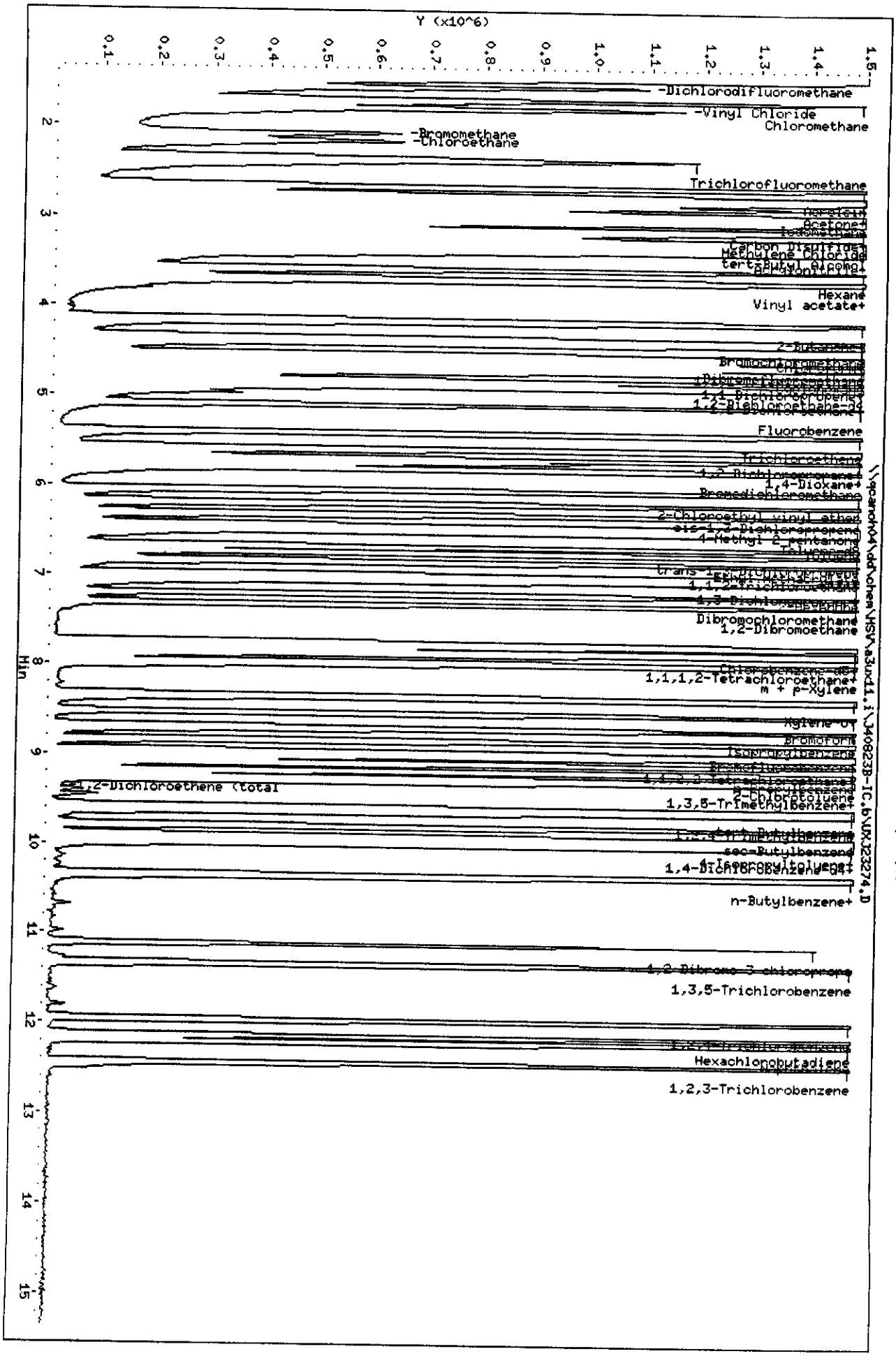
tart Cal Date : 16-AUG-2004 16:18
nd Cal Date : 23-AUG-2004 18:10
uant Method : ISTD
'arget Version : 4.04
ntegrator : HP RTE
lethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
'al Date : 24-Aug-2004 08:57 evansl

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	0.24833	0.24050	0.23464	0.22788	0.23100	0.22948	AVRG		0.23531		3.31726
$ 5 1,2-Dichloroethane-d4	0.33210	0.32559	0.32333	0.28901	0.29145	0.30829	AVRG		0.31163		5.88341
$ 6 Toluene-d8	1.12687	1.15349	1.22337	1.23159	1.21944	1.23275	AVRG		1.19792		3.82174
$ 7 Bromofluorobenzene	0.48179	0.48817	0.51654	0.51297	0.51592	0.53069	AVRG		0.50768		3.68972

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40823B-IC.b\UXJ23274.D
Date : 23-AUG-2004 16:17
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\J40823B-IC.b\UXJ23274.D
Report Date: 24-Aug-2004 10:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23274.D
Lab Smp Id: 200NG-IC
Inj Date : 23-AUG-2004 16:17
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 200NG-IC
Misc Info : J40823B,8260LLUX11,2-8260.SUB,43582,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Meth Date : 24-Aug-2004 10:22 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 1 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	5.088	5.088	(1.000)	2136145	50.0000	
* 2 Chlorobenzene-d5	117	7.727	7.727	(1.000)	1668548	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	987820	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	1960833	200.000	195.05
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	2634219	200.000	197.86
$ 6 Toluene-d8	98	6.425	6.425	(0.832)	8227598	200.000	205.82(A)
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.144)	3541913	200.000	209.06(A)
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	1836332	200.000	198.95
9 Chloromethane	50	1.692	1.692	(0.333)	2697411	200.000	199.37
10 Vinyl Chloride	62	1.787	1.787	(0.351)	1943473	200.000	216.09(A)
11 Bromomethane	94	2.071	2.071	(0.407)	711906	200.000	200.37(A)
12 Chloroethane	64	2.154	2.154	(0.423)	1184485	200.000	167.58
13 Trichlorofluoromethane	101	2.355	2.355	(0.463)	2170505	200.000	198.99
15 Acrolein	56	2.651	2.651	(0.521)	3804635	2000.00	1979.2
16 Acetone	43	2.781	2.781	(0.547)	2255436	400.000	419.12(A)
17 1,1-Dichloroethene	96	2.745	2.745	(0.540)	2142600	200.000	214.42(A)
18 Freon-113	151	2.781	2.781	(0.547)	1398546	200.000	222.30(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23274.D
Report Date: 24-Aug-2004 10:22

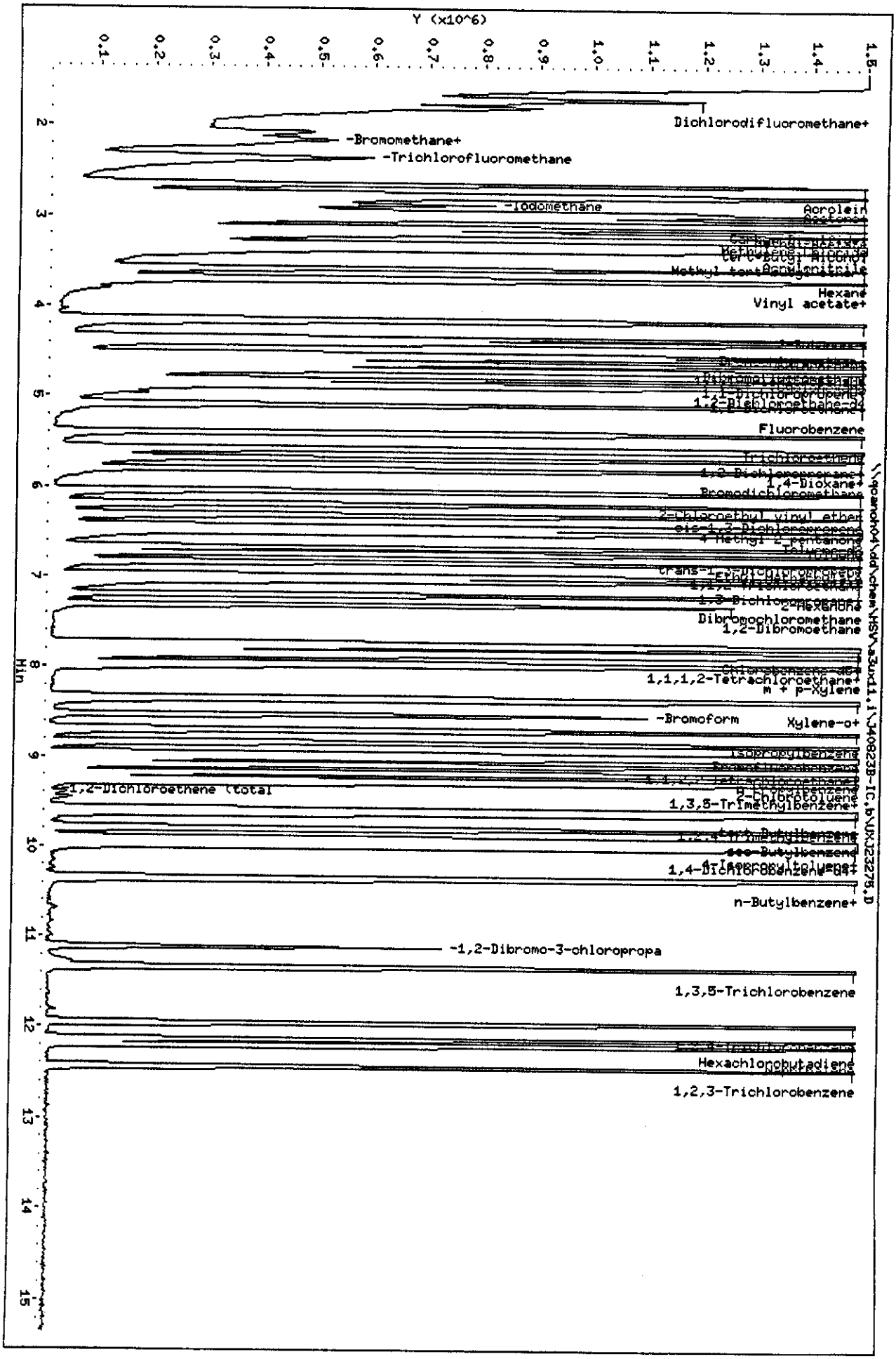
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.876	2.876	(0.565)	2296188	200.000	228.15(A)
	20 Carbon Disulfide	76	2.947	2.947	(0.579)	7373546	200.000	224.61(A)
	21 Methylene Chloride	84	3.124	3.124	(0.614)	2628675	200.000	200.29(A)
	22 Acetonitrile	41	3.006	3.006	(0.591)	3494020	2000.00	2167.7(A)
	23 Acrylonitrile	53	3.302	3.302	(0.649)	9819145	2000.00	2035.3(A)
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	5424757	200.000	219.19(A)
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	2275779	200.000	207.72(A)
	26 Hexane	86	3.574	3.574	(0.702)	399918	200.000	216.04(A)
	27 Vinyl acetate	43	3.704	3.704	(0.728)	4616121	200.000	228.85(A)
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	3957529	200.000	202.64(A)
	29 tert-Butyl Alcohol	59	3.242	3.242	(0.637)	4239573	4000.00	4282.1(A)
	30 2-Butanone	43	4.142	4.142	(0.814)	2712030	400.000	422.66(A)
M	31 1,2-Dichloroethene (total)	96				4639633	400.000	413.89
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	2363854	200.000	206.17(A)
	33 2,2-Dichloropropane	77	4.154	4.154	(0.816)	1611689	200.000	224.70(A)
	34 Bromochloromethane	128	4.343	4.343	(0.854)	1118964	200.000	191.99
	35 Chloroform	83	4.390	4.390	(0.863)	3959472	200.000	202.48(A)
	36 Tetrahydrofuran	42	4.390	4.390	(0.863)	700129	200.000	200.07(A)
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	2438659	200.000	215.91(A)
	38 1,1-Dichloropropene	75	4.698	4.698	(0.923)	2861422	200.000	219.89(A)
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	1906416	200.000	230.72(A)
	40 1,2-Dichloroethane	62	4.863	4.863	(0.956)	3092905	200.000	198.41
	41 Benzene	78	4.863	4.863	(0.956)	9735213	200.000	202.47(A)
	42 Trichloroethene	130	5.396	5.396	(1.060)	2236066	200.000	209.61(A)
	43 1,2-Dichloropropane	63	5.573	5.573	(1.095)	2371635	200.000	202.56(A)
	44 1,4-Dioxane	88	5.727	5.727	(1.126)	1326429	10000.0	9711.4(A)
	45 Dibromomethane	93	5.680	5.680	(1.116)	1373820	200.000	193.70
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	2868708	200.000	218.30(A)
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	2975399	400.000	466.69(A)
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	3760079	200.000	223.25(A)
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	4926219	400.000	446.62(A)
	50 Toluene	91	6.485	6.485	(0.839)	10223439	200.000	216.86(A)
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.862)	3443936	200.000	227.89(A)
	52 Ethyl Methacrylate	69	6.733	6.733	(0.871)	3435426	200.000	199.89
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.884)	2157877	200.000	200.15(A)
	54 1,3-Dichloropropane	76	6.982	6.982	(0.904)	3968168	200.000	204.40(A)
	55 Tetrachloroethene	164	6.993	6.993	(0.905)	1696717	200.000	209.16(A)
	56 2-Hexanone	43	7.041	7.041	(0.911)	4150835	400.000	474.69(A)
	57 Dibromochloromethane	129	7.195	7.195	(0.931)	2098548	200.000	238.97(A)
	58 1,2-Dibromoethane	107	7.301	7.301	(0.945)	2188738	200.000	209.33(A)
	59 Chlorobenzene	112	7.763	7.763	(1.005)	6592780	200.000	201.83(A)
	60 1,1,1,2-Tetrachloroethane	131	7.834	7.834	(1.014)	2134006	200.000	213.21(A)
	61 Ethylbenzene	106	7.857	7.857	(1.017)	3507649	200.000	231.73(A)
	62 m + p-Xylene	106	7.964	7.964	(1.031)	9025835	400.000	456.13(A)
M	63 Xylenes (total)	106				13451502	600.000	688.91
	64 Xylene-o	106	8.342	8.342	(1.080)	4425667	200.000	232.77(A)
	65 Styrene	104	8.354	8.354	(1.081)	8151269	200.000	199.91

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23274.D
Report Date: 24-Aug-2004 10:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.532	8.532	(1.104)	1484556	200.000	199.86
67 Isopropylbenzene	105	8.686	8.686	(1.124)	9664299	200.000	206.15(A)
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	3213845	200.000	192.67
69 1,4-Dichloro-2-butene	53	9.017	9.017	(0.905)	1005472	200.000	216.44(A)
70 1,2,3-Trichloropropane	110	9.005	9.005	(0.904)	1027411	200.000	196.09
71 Bromobenzene	156	8.993	8.993	(0.903)	2977010	200.000	207.32(A)
72 n-Propylbenzene	120	9.088	9.088	(0.912)	2819370	200.000	238.42(A)
73 2-Chlorotoluene	126	9.171	9.171	(0.920)	2713346	200.000	220.91(A)
74 1,3,5-Trimethylbenzene	105	9.253	9.253	(0.929)	9041298	200.000	203.21(A)
75 4-Chlorotoluene	126	9.277	9.277	(0.931)	2952672	200.000	216.47(A)
76 tert-Butylbenzene	119	9.573	9.573	(0.961)	7210591	200.000	240.99(A)
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	9714842	200.000	202.67(A)
78 sec-Butylbenzene	105	9.786	9.786	(0.982)	9829352	200.000	235.30(A)
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	8453569	200.000	205.14(A)
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	5379922	200.000	200.36(A)
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	5593017	200.000	194.78
82 n-Butylbenzene	91	10.330	10.330	(1.037)	7474710	200.000	206.43(A)
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	5206687	200.000	199.52
84 1,2-Dibromo-3-chloropropane	157	11.123	11.123	(1.116)	506266	200.000	210.79(A)
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	1909613	200.000	195.38
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	830650	200.000	173.85
87 Naphthalene	128	12.200	12.200	(1.224)	4705098	200.000	189.44
88 1,2,3-Trichlorobenzene	180	12.437	12.437	(1.248)	1103134	200.000	169.45
98 Cyclohexane	56	4.627	4.627	(0.909)	3358182	200.000	198.88
143 Methyl Acetate	43	3.041	3.041	(0.598)	3619149	400.000	390.72
144 Methylcyclohexane	83	5.573	5.573	(1.095)	2712201	200.000	198.93
141 1,3,5-Trichlorobenzene	180	11.336	11.336	(1.138)	2737654	200.000	200.07

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 23-AUG-2004 16:39
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Iodomethane
Acrolein
Hexane
Vinyl acetate+
Fluorobenzene
1,4-Dioxane+
Dibromochloromethane
1,2-Dibromoethane
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
1,2-Dichloroethene (total
1,3,5-Trimethylbenzene+
1,4-Isopropyltoluene+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
Hexachlorobutadiene
1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23275.D
Report Date: 24-Aug-2004 10:23

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23275.D
Lab Smp Id: 100NG-IC
Inj Date : 23-AUG-2004 16:39
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 100NG-IC
Misc Info : J40823B,8260LLUX11,2-8260.SUB,43582,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Meth Date : 24-Aug-2004 10:23 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 2 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	5.088	5.088	(1.000)	2140565	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1702230	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	995746	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	988950	100.000	98.171
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	1247754	100.000	93.526
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	4151533	100.000	101.80
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	1756438	100.000	101.62
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	932093	100.000	105.28
9 Chloromethane	50	1.692	1.692	(0.333)	1548500	100.000	102.78
10 Vinyl Chloride	62	1.787	1.787	(0.351)	928662	100.000	103.04
11 Bromomethane	94	2.071	2.071	(0.407)	373084	100.000	97.868
12 Chloroethane	64	2.154	2.154	(0.423)	746921	100.000	105.46
13 Trichlorofluoromethane	101	2.343	2.343	(0.461)	1122799	100.000	104.91
15 Acrolein	56	2.651	2.651	(0.521)	1908569	1000.00	990.82
16 Acetone	43	2.769	2.769	(0.544)	1059897	200.000	190.63
17 1,1-Dichloroethene	96	2.745	2.745	(0.540)	1050400	100.000	104.90
18 Freon-113	151	2.769	2.769	(0.544)	730535	100.000	115.88

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23275.D
Report Date: 24-Aug-2004 10:23

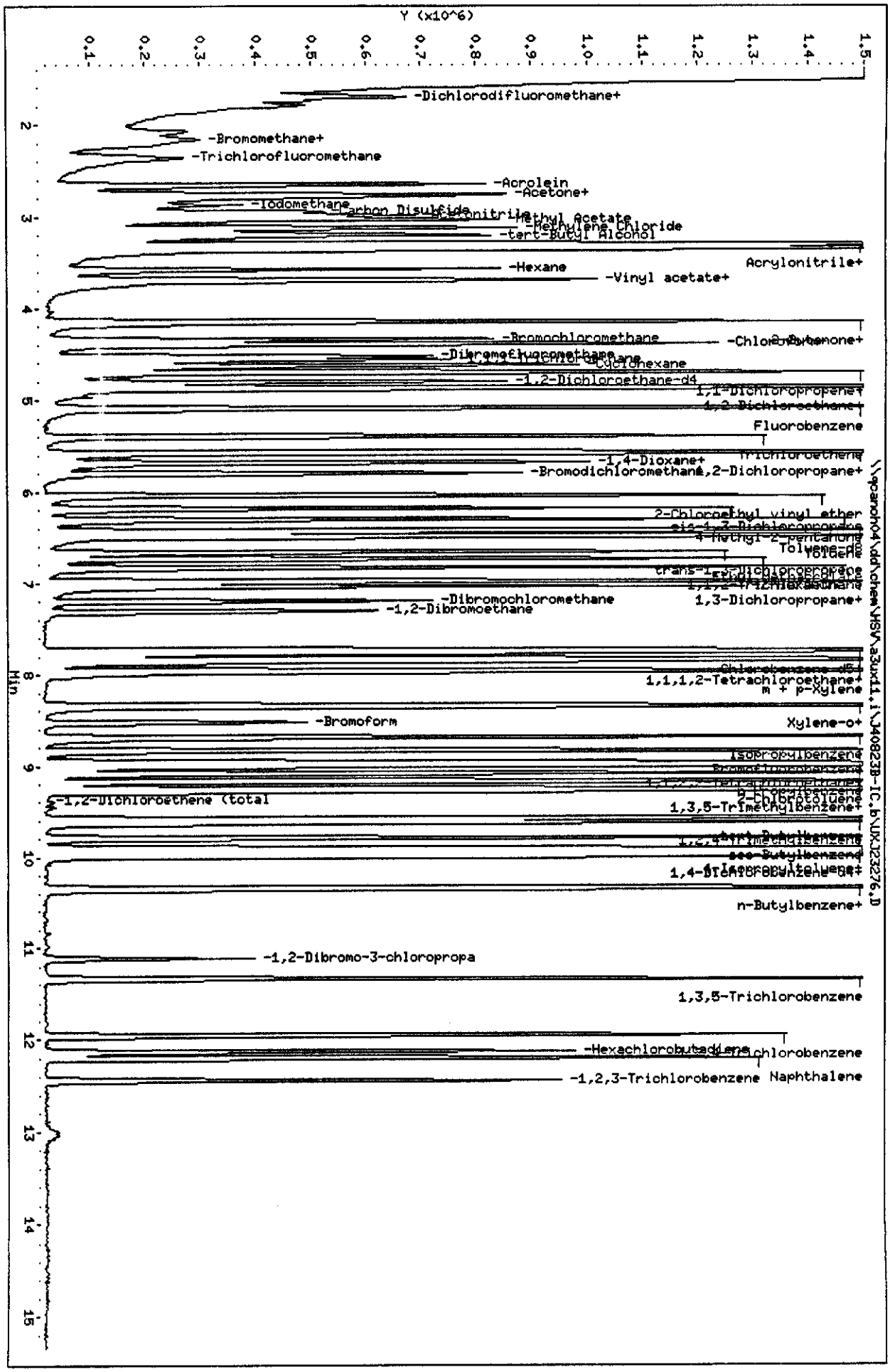
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.876	2.876	(0.565)	986425	100.000	97.809
	20 Carbon Disulfide	76	2.947	2.947	(0.579)	3542489	100.000	107.69
	21 Methylene Chloride	84	3.124	3.124	(0.614)	1376557	100.000	98.733
	22 Acetonitrile	41	2.982	2.982	(0.586)	1460227	1000.00	904.07
	23 Acrylonitrile	53	3.302	3.302	(0.649)	4767826	1000.00	986.24
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	2588917	100.000	104.39
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	1147659	100.000	104.54
	26 Hexane	86	3.574	3.574	(0.702)	213576	100.000	115.14
	27 Vinyl acetate	43	3.704	3.704	(0.728)	2201557	100.000	108.92
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	1984225	100.000	101.39
	29 tert-Butyl Alcohol	59	3.195	3.195	(0.628)	1707659	2000.00	1721.2(A)
	30 2-Butanone	43	4.142	4.142	(0.814)	1281748	200.000	199.34
M	31 1,2-Dichloroethene (total)	96				2328507	200.000	207.31
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	1180848	100.000	102.78
	33 2,2-Dichloropropane	77	4.154	4.154	(0.816)	783335	100.000	108.98
	34 Bromochloromethane	128	4.343	4.343	(0.854)	570105	100.000	97.614
	35 Chloroform	83	4.390	4.390	(0.863)	2015822	100.000	102.87
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	332478	100.000	94.814
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	1231171	100.000	108.78
	38 1,1-Dichloropropene	75	4.698	4.698	(0.923)	1461723	100.000	112.09
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	935820	100.000	113.02
	40 1,2-Dichloroethane	62	4.864	4.864	(0.956)	1534758	100.000	98.250
	41 Benzene	78	4.864	4.864	(0.956)	4988741	100.000	103.54
	42 Trichloroethene	130	5.396	5.396	(1.060)	1120154	100.000	104.79
	43 1,2-Dichloropropane	63	5.573	5.573	(1.095)	1201219	100.000	102.38
	44 1,4-Dioxane	88	5.680	5.680	(1.116)	700454	5000.00	5117.8(A)
	45 Dibromomethane	93	5.680	5.680	(1.116)	707251	100.000	99.513
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	1389671	100.000	105.53
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	1427623	200.000	223.46(A)
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	1834533	100.000	108.70
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	2357887	200.000	213.33(A)
	50 Toluene	91	6.485	6.485	(0.838)	5135603	100.000	106.78
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.861)	1657526	100.000	107.51
	52 Ethyl Methacrylate	69	6.733	6.733	(0.870)	1674778	100.000	100.64
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.882)	1083268	100.000	98.488
	54 1,3-Dichloropropane	76	6.982	6.982	(0.902)	1957548	100.000	98.840
	55 Tetrachloroethene	164	6.993	6.993	(0.904)	841522	100.000	101.68
	56 2-Hexanone	43	7.041	7.041	(0.910)	1938925	200.000	217.35(A)
	57 Dibromochloromethane	129	7.195	7.195	(0.930)	971807	100.000	108.47
	58 1,2-Dibromoethane	107	7.301	7.301	(0.943)	1079293	100.000	101.18
	59 Chlorobenzene	112	7.763	7.763	(1.003)	3333514	100.000	100.03
	60 1,1,1,2-Tetrachloroethane	131	7.834	7.834	(1.012)	1029680	100.000	100.84
	61 Ethylbenzene	106	7.857	7.857	(1.015)	1705077	100.000	110.42
	62 m + p-Xylene	106	7.964	7.964	(1.029)	4447921	200.000	220.33(A)
M	63 Xylenes (total)	106				6606871	300.000	331.64
	64 Xylene-o	106	8.342	8.342	(1.078)	2158950	100.000	111.31
	65 Styrene	104	8.354	8.354	(1.080)	4029766	100.000	100.56

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23275.D
Report Date: 24-Aug-2004 10:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.532	8.532	(1.102)	646046	100.000	101.10
67 Isopropylbenzene	105	8.686	8.686	(1.122)	4757371	100.000	100.82
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	1624721	100.000	96.627
69 1,4-Dichloro-2-butene	53	9.017	9.017	(0.905)	476777	100.000	101.82
70 1,2,3-Trichloropropane	110	9.005	9.005	(0.904)	504001	100.000	95.426
71 Bromobenzene	156	8.993	8.993	(0.903)	1469866	100.000	101.55
72 n-Propylbenzene	120	9.088	9.088	(0.912)	1371678	100.000	115.08
73 2-Chlorotoluene	126	9.171	9.171	(0.920)	1347193	100.000	108.81
74 1,3,5-Trimethylbenzene	105	9.254	9.254	(0.929)	4494308	100.000	101.40
75 4-Chlorotoluene	126	9.277	9.277	(0.931)	1440412	100.000	104.76
76 tert-Butylbenzene	119	9.573	9.573	(0.961)	3475893	100.000	115.24
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	4797861	100.000	100.49
78 sec-Butylbenzene	105	9.786	9.786	(0.982)	4927756	100.000	117.03
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	4142498	100.000	100.99
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	2694896	100.000	99.565
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	2829557	100.000	97.754
82 n-Butylbenzene	91	10.330	10.330	(1.037)	3654646	100.000	101.42
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	2629492	100.000	99.962
84 1,2-Dibromo-3-chloropropane	157	11.123	11.123	(1.116)	250576	100.000	103.50
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	1065538	100.000	108.15
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	489886	100.000	101.71
87 Naphthalene	128	12.200	12.200	(1.224)	2708547	100.000	108.98
88 1,2,3-Trichlorobenzene	180	12.437	12.437	(1.248)	714419	100.000	108.87
98 Cyclohexane	56	4.627	4.627	(0.909)	1713126	100.000	105.49
143 Methyl Acetate	43	3.029	3.029	(0.595)	1803026	200.000	194.25
144 Methylcyclohexane	83	5.573	5.573	(1.095)	1389342	100.000	105.27
141 1,3,5-Trichlorobenzene	180	11.348	11.348	(1.139)	1394364	100.000	101.09

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 23-AUG-2004 17:02
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+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
Carbon Disulfide
Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
Acrylonitrile+
-Hexane
-Vinyl acetate+
-Bromochloromethane
-Chloroprene
-Dibromofluoromethane
Cyclohexane
-1,2-Dichloroethane-d4
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
Toluene-d8
Toluene
trans-1,3-Dichloropropene
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-Dichloroethene (total
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-Hexachlorobutadiene
Chlorobenzene
-1,2,3-Trichlorobenzene
Naphthalene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23276.D
Report Date: 24-Aug-2004 10:24

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23276.D
Lab Smp Id: 50NG-IC
Inj Date : 23-AUG-2004 17:02
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-IC
Misc Info : J40823B,8260LLUX11,2-8260.SUB,43582,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Meth Date : 24-Aug-2004 10:23 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 3 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	5.088	5.088	(1.000)	2139869	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1672632	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.964	9.964	(1.000)	965854	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	487638	50.0000	48.422
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	618436	50.0000	46.370
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	2059989	50.0000	51.405
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	858012	50.0000	50.521
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	331907	50.0000	41.055
9 Chloromethane	50	1.692	1.692	(0.333)	767618	50.0000	46.602
10 Vinyl Chloride	62	1.787	1.787	(0.351)	420014	50.0000	46.619
11 Bromomethane	94	2.071	2.071	(0.407)	209960	50.0000	52.115
12 Chloroethane	64	2.154	2.154	(0.423)	359411	50.0000	50.761
13 Trichlorofluoromethane	101	2.343	2.343	(0.461)	424813	50.0000	42.677
15 Acrolein	56	2.651	2.651	(0.521)	978544	500.000	508.17
16 Acetone	43	2.769	2.769	(0.544)	525718	100.000	88.968
17 1,1-Dichloroethene	96	2.745	2.745	(0.540)	428514	50.0000	42.809
18 Freon-113	151	2.769	2.769	(0.544)	268148	50.0000	42.548

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23276.D
Report Date: 24-Aug-2004 10:24

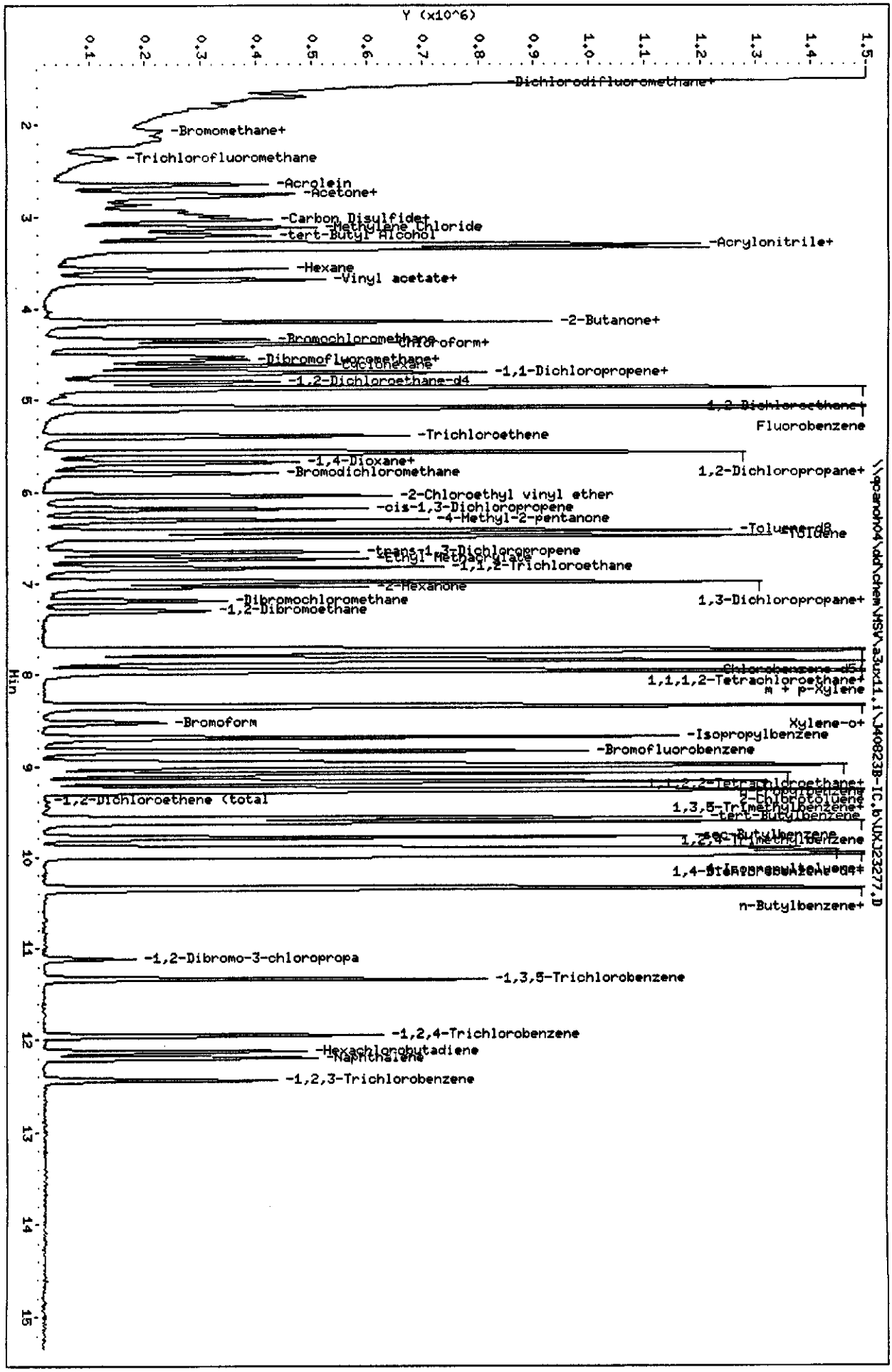
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.876	2.876	(0.565)	475851	50.0000	47.198
	20 Carbon Disulfide	76	2.947	2.947	(0.579)	1439667	50.0000	43.778
	21 Methylene Chloride	84	3.124	3.124	(0.614)	741969	50.0000	49.787
	22 Acetonitrile	41	2.994	2.994	(0.588)	814650	500.000	504.54
	23 Acrylonitrile	53	3.302	3.302	(0.649)	2399106	500.000	496.42
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	1226889	50.0000	49.487
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	510599	50.0000	46.523
	26 Hexane	86	3.574	3.574	(0.702)	76174	50.0000	41.078
	27 Vinyl acetate	43	3.704	3.704	(0.728)	1038806	50.0000	51.410
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	921633	50.0000	47.109
	29 tert-Butyl Alcohol	59	3.207	3.207	(0.630)	916676	1000.00	924.26
	30 2-Butanone	43	4.142	4.142	(0.814)	608841	100.000	94.720
M	31 1,2-Dichloroethene (total)	96				1066888	100.000	94.957
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	556289	50.0000	48.434
	33 2,2-Dichloropropane	77	4.154	4.154	(0.816)	323744	50.0000	45.057
	34 Bromochloromethane	128	4.343	4.343	(0.854)	282440	50.0000	48.376
	35 Chloroform	83	4.390	4.390	(0.863)	947460	50.0000	48.367
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	169158	50.0000	48.255
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	498978	50.0000	44.100
	38 1,1-Dichloropropene	75	4.698	4.698	(0.923)	575137	50.0000	44.120
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	352532	50.0000	42.590
	40 1,2-Dichloroethane	62	4.864	4.864	(0.956)	769933	50.0000	49.304
	41 Benzene	78	4.864	4.864	(0.956)	2272845	50.0000	47.188
	42 Trichloroethene	130	5.396	5.396	(1.060)	501436	50.0000	46.923
	43 1,2-Dichloropropane	63	5.574	5.574	(1.095)	575222	50.0000	49.044
	44 1,4-Dioxane	88	5.692	5.692	(1.119)	352166	2500.00	2573.9(A)
	45 Dibromomethane	93	5.680	5.680	(1.116)	336705	50.0000	47.391
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	650248	50.0000	49.395
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	678528	100.000	106.24
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	861239	50.0000	51.046
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	1104146	100.000	99.929
	50 Toluene	91	6.485	6.485	(0.838)	2327160	50.0000	49.244
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.861)	778043	50.0000	51.358
	52 Ethyl Methacrylate	69	6.733	6.733	(0.870)	773247	50.0000	49.401
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.882)	543842	50.0000	50.320
	54 1,3-Dichloropropane	76	6.982	6.982	(0.902)	960122	50.0000	49.336
	55 Tetrachloroethene	164	6.993	6.993	(0.904)	366611	50.0000	45.083
	56 2-Hexanone	43	7.041	7.041	(0.910)	883778	100.000	100.82
	57 Dibromochloromethane	129	7.195	7.195	(0.930)	435438	50.0000	49.464
	58 1,2-Dibromoethane	107	7.301	7.301	(0.943)	536201	50.0000	51.156
	59 Chlorobenzene	112	7.763	7.763	(1.003)	1578811	50.0000	48.215
	60 1,1,1,2-Tetrachloroethane	131	7.834	7.834	(1.012)	491963	50.0000	49.032
	61 Ethylbenzene	106	7.857	7.857	(1.015)	757598	50.0000	49.928
	62 m + p-Xylene	106	7.964	7.964	(1.029)	1968899	100.000	99.258
M	63 Xylenes (total)	106				2963526	150.000	151.44
	64 Xylene-o	106	8.342	8.342	(1.078)	994627	50.0000	52.186
	65 Styrene	104	8.354	8.354	(1.080)	1870598	50.0000	49.277

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23276.D
Report Date: 24-Aug-2004 10:24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.532	8.532	(1.102)	280334	50.0000	48.412
67 Isopropylbenzene	105	8.686	8.686	(1.122)	1930853	50.0000	43.175
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	827759	50.0000	50.753
69 1,4-Dichloro-2-butene	53	9.017	9.017	(0.905)	241805	50.0000	53.236
70 1,2,3-Trichloropropane	110	9.005	9.005	(0.904)	258403	50.0000	50.439
71 Bromobenzene	156	8.993	8.993	(0.903)	709490	50.0000	50.533
72 n-Propylbenzene	120	9.088	9.088	(0.912)	584144	50.0000	50.523
73 2-Chlorotoluene	126	9.171	9.171	(0.920)	610600	50.0000	50.844
74 1,3,5-Trimethylbenzene	105	9.254	9.254	(0.929)	1937493	50.0000	46.374
75 4-Chlorotoluene	126	9.277	9.277	(0.931)	687227	50.0000	51.529
76 tert-Butylbenzene	119	9.573	9.573	(0.961)	1400713	50.0000	47.878
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	2156696	50.0000	47.824
78 sec-Butylbenzene	105	9.786	9.786	(0.982)	1939029	50.0000	47.474
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	1718200	50.0000	44.600
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	1289786	50.0000	49.127
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	1379211	50.0000	49.123
82 n-Butylbenzene	91	10.330	10.330	(1.037)	1430683	50.0000	42.419
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	1296822	50.0000	50.825
84 1,2-Dibromo-3-chloropropane	157	11.123	11.123	(1.116)	124622	50.0000	53.067
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	506727	50.0000	53.025
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	219734	50.0000	47.034
87 Naphthalene	128	12.200	12.200	(1.224)	1246179	50.0000	52.665
88 1,2,3-Trichlorobenzene	180	12.437	12.437	(1.248)	368330	50.0000	57.866
98 Cyclohexane	56	4.627	4.627	(0.909)	590383	50.0000	40.414
143 Methyl Acetate	43	3.029	3.029	(0.595)	895354	100.000	96.493
144 Methylcyclohexane	83	5.574	5.574	(1.095)	495840	50.0000	41.170
141 1,3,5-Trichlorobenzene	180	11.348	11.348	(1.139)	652581	50.0000	48.776

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23277.D
Date : 23-AUG-2004 17:24
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
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-Dichloroethene (total
1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-sec-Butylbenzene
1,2,4-Trimethylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene+
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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Report Date: 24-Aug-2004 10:24

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23277.D
Lab Smp Id: 25NG-IC
Inj Date : 23-AUG-2004 17:24
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 25NG-IC
Misc Info : J40823B,8260LLUX11,2-8260.SUB,43582,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Meth Date : 24-Aug-2004 10:24 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 4 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	5.088	5.088	(1.000)	2081796	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1608563	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.964	9.964	(1.000)	943190	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	244235	25.0000	24.929
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	336557	25.0000	25.939
$ 6 Toluene-d8	98	6.426	6.426	(0.830)	983937	25.0000	25.531
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	415441	25.0000	25.436
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	152547	25.0000	21.961
9 Chloromethane	50	1.704	1.704	(0.335)	414081	25.0000	24.306
10 Vinyl Chloride	62	1.787	1.787	(0.351)	199684	25.0000	22.782
11 Bromomethane	94	2.071	2.071	(0.407)	111071	25.0000	26.244
12 Chloroethane	64	2.166	2.166	(0.426)	186345	25.0000	27.052
13 Trichlorofluoromethane	101	2.331	2.331	(0.458)	177616	25.0000	21.099
15 Acrolein	56	2.651	2.651	(0.521)	472718	250.000	252.34
16 Acetone	43	2.769	2.769	(0.544)	292849	50.0000	46.178
17 1,1-Dichloroethene	96	2.745	2.745	(0.540)	225281	25.0000	23.134
18 Freon-113	151	2.769	2.769	(0.544)	142024	25.0000	23.164

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23277.D
Report Date: 24-Aug-2004 10:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.876	2.876	(0.565)	241773	25.0000	24.650
	20 Carbon Disulfide	76	2.947	2.947	(0.579)	728674	25.0000	22.776
	21 Methylene Chloride	84	3.124	3.124	(0.614)	427982	25.0000	27.012
	22 Acetonitrile	41	2.994	2.994	(0.588)	370435	250.000	235.82
	23 Acrylonitrile	53	3.302	3.302	(0.649)	1178963	250.000	250.76
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	580929	25.0000	24.086
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	258001	25.0000	24.164
	26 Hexane	86	3.574	3.574	(0.702)	41273	25.0000	22.878
	27 Vinyl acetate	43	3.704	3.704	(0.728)	492512	25.0000	25.054
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	463644	25.0000	24.360
	29 tert-Butyl Alcohol	59	3.207	3.207	(0.630)	453246	500.000	469.75
	30 2-Butanone	43	4.142	4.142	(0.814)	300388	50.0000	48.036
M	31 1,2-Dichloroethene (total)	96				533497	50.0000	48.819
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	275496	25.0000	24.656
	33 2,2-Dichloropropane	77	4.154	4.154	(0.816)	165222	25.0000	23.636
	34 Bromochloromethane	128	4.343	4.343	(0.854)	146295	25.0000	25.756
	35 Chloroform	83	4.390	4.390	(0.863)	468688	25.0000	24.594
	36 Tetrahydrofuran	42	4.390	4.390	(0.863)	82720	25.0000	24.255
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	261522	25.0000	23.758
	38 1,1-Dichloropropene	75	4.698	4.698	(0.923)	291939	25.0000	23.020
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	180239	25.0000	22.382
	40 1,2-Dichloroethane	62	4.864	4.864	(0.956)	383335	25.0000	25.232
	41 Benzene	78	4.864	4.864	(0.956)	1136064	25.0000	24.244
	42 Trichloroethene	130	5.396	5.396	(1.060)	247432	25.0000	23.800
	43 1,2-Dichloropropane	63	5.574	5.574	(1.095)	279701	25.0000	24.513
	44 1,4-Dioxane	88	5.704	5.704	(1.121)	150363	1250.00	1129.6(A)
	45 Dibromomethane	93	5.680	5.680	(1.116)	171653	25.0000	24.834
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	320027	25.0000	24.988
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	309805	50.0000	49.861
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	408227	25.0000	24.871
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.239)	523506	50.0000	48.701
	50 Toluene	91	6.485	6.485	(0.838)	1149891	25.0000	25.301
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.861)	358998	25.0000	24.641
	52 Ethyl Methacrylate	69	6.733	6.733	(0.870)	343719	25.0000	24.266
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.882)	260966	25.0000	25.108
	54 1,3-Dichloropropane	76	6.982	6.982	(0.902)	470740	25.0000	25.152
	55 Tetrachloroethene	164	6.994	6.994	(0.904)	182807	25.0000	23.376
	56 2-Hexanone	43	7.041	7.041	(0.910)	419570	50.0000	49.772
	57 Dibromochloromethane	129	7.195	7.195	(0.930)	205652	25.0000	24.292
	58 1,2-Dibromoethane	107	7.301	7.301	(0.943)	253171	25.0000	25.116
	59 Chlorobenzene	112	7.763	7.763	(1.003)	785941	25.0000	24.958
	60 1,1,1,2-Tetrachloroethane	131	7.834	7.834	(1.012)	236239	25.0000	24.483
	61 Ethylbenzene	106	7.857	7.857	(1.015)	351407	25.0000	24.081
	62 m + p-Xylene	106	7.964	7.964	(1.029)	953925	50.0000	50.006
M	63 Xylenes (total)	106				1416996	75.0000	75.270
	64 Xylene-o	106	8.342	8.342	(1.078)	463071	25.0000	25.264
	65 Styrene	104	8.354	8.354	(1.080)	860042	25.0000	24.853

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23277.D
Report Date: 24-Aug-2004 10:24

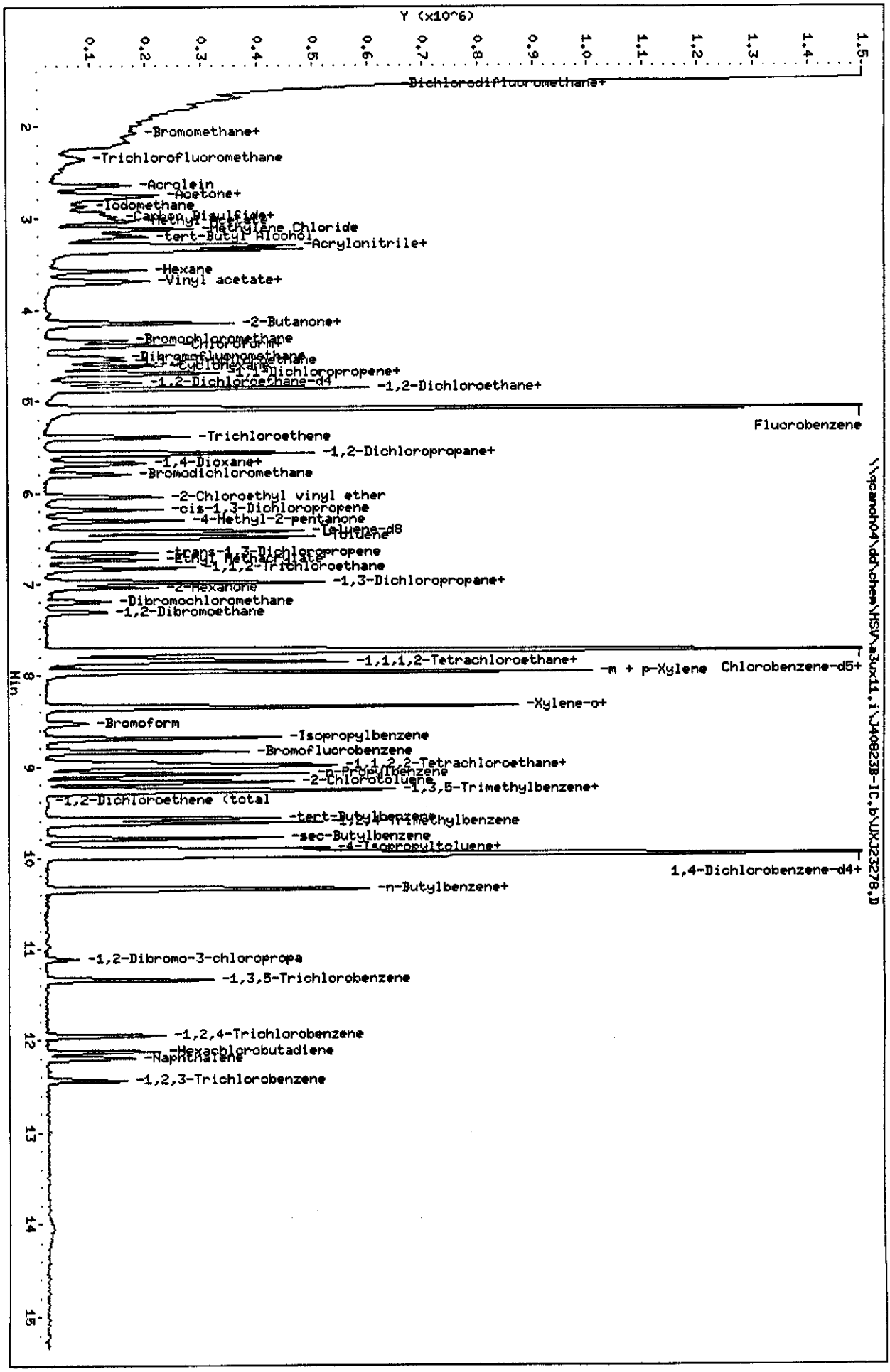
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.532	8.532	(1.102)	127171	25.0000	24.375
67 Isopropylbenzene	105	8.686	8.686	(1.122)	898447	25.0000	22.237
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	390276	25.0000	24.504
69 1,4-Dichloro-2-butene	53	9.017	9.017	(0.905)	104441	25.0000	23.546
70 1,2,3-Trichloropropane	110	9.005	9.005	(0.904)	124118	25.0000	24.809
71 Bromobenzene	156	8.993	8.993	(0.903)	342793	25.0000	25.002
72 n-Propylbenzene	120	9.088	9.088	(0.912)	269244	25.0000	23.846
73 2-Chlorotoluene	126	9.171	9.171	(0.920)	295585	25.0000	25.204
74 1,3,5-Trimethylbenzene	105	9.254	9.254	(0.929)	884301	25.0000	22.927
75 4-Chlorotoluene	126	9.277	9.277	(0.931)	332779	25.0000	25.552
76 tert-Butylbenzene	119	9.573	9.573	(0.961)	648222	25.0000	22.690
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	978641	25.0000	23.475
78 sec-Butylbenzene	105	9.786	9.786	(0.982)	908295	25.0000	22.773
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	787676	25.0000	22.247
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	642234	25.0000	25.050
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	662078	25.0000	24.148
82 n-Butylbenzene	91	10.330	10.330	(1.037)	656579	25.0000	21.259
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	623485	25.0000	25.023
84 1,2-Dibromo-3-chloropropane	157	11.123	11.123	(1.116)	56599	25.0000	24.680
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	227280	25.0000	24.355
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	106016	25.0000	23.238
87 Naphthalene	128	12.200	12.200	(1.224)	490992	25.0000	22.353
88 1,2,3-Trichlorobenzene	180	12.437	12.437	(1.248)	156804	25.0000	25.226
98 Cyclohexane	56	4.627	4.627	(0.909)	284402	25.0000	22.911
143 Methyl Acetate	43	3.029	3.029	(0.595)	440271	50.0000	48.772
144 Methylcyclohexane	83	5.574	5.574	(1.095)	236124	25.0000	22.838
141 1,3,5-Trichlorobenzene	180	11.336	11.336	(1.138)	316511	25.0000	24.226

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40823B-IC.b\UXJ23278.D
Date : 23-AUG-2004 17:47
Client ID:
Sample Info: 10NG-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\J40823B-IC.b\UXJ23278.D
Report Date: 24-Aug-2004 10:25

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23278.D
Lab Smp Id: 10NG-IC
Inj Date : 23-AUG-2004 17:47
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 10NG-IC
Misc Info : J40823B,8260LLUX11,2-8260.SUB,43582,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Meth Date : 24-Aug-2004 10:25 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 5 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	5.088	5.088	(1.000)	2015648	50.0000	
* 2 Chlorobenzene-d5	117	7.727	7.727	(1.000)	1577693	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	892920	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	96953	10.0000	10.221
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	131254	10.0000	10.448
$ 6 Toluene-d8	98	6.425	6.425	(0.832)	363972	10.0000	9.629
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.144)	154038	10.0000	9.616
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	76444	10.0000	13.664
9 Chloromethane	50	1.692	1.692	(0.333)	190904	10.0000	10.532
10 Vinyl Chloride	62	1.787	1.787	(0.351)	86128	10.0000	10.149
11 Bromomethane	94	2.071	2.071	(0.407)	47836	10.0000	9.539
12 Chloroethane	64	2.166	2.166	(0.426)	77640	10.0000	11.641
13 Trichlorofluoromethane	101	2.343	2.343	(0.461)	90983	10.0000	13.444
15 Acrolein	56	2.651	2.651	(0.521)	179662	100.000	99.051
16 Acetone	43	2.769	2.769	(0.544)	132720	20.0000	15.685
17 1,1-Dichloroethene	96	2.757	2.757	(0.542)	100433	10.0000	10.652
18 Freon-113	151	2.793	2.793	(0.549)	59105	10.0000	9.956

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23278.D
Report Date: 24-Aug-2004 10:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.876	2.876	(0.565)	93774	10.0000	9.874
	20 Carbon Disulfide	76	2.946	2.946	(0.579)	291390	10.0000	9.407
	21 Methylene Chloride	84	3.124	3.124	(0.614)	228705	10.0000	12.336
	22 Acetonitrile	41	2.994	2.994	(0.588)	149972	100.000	98.607
	23 Acrylonitrile	53	3.301	3.301	(0.649)	453201	100.000	99.556
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	216169	10.0000	9.257
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	95614	10.0000	9.249
	26 Hexane	86	3.574	3.574	(0.702)	16622	10.0000	9.516
	27 Vinyl acetate	43	3.704	3.704	(0.728)	171580	10.0000	9.015
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	187136	10.0000	10.155
	29 tert-Butyl Alcohol	59	3.207	3.207	(0.630)	189143	200.000	202.46
	30 2-Butanone	43	4.142	4.142	(0.814)	112025	20.0000	18.502
M	31 1,2-Dichloroethene (total)	96				197547	20.0000	18.671
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	101933	10.0000	9.422
	33 2,2-Dichloropropane	77	4.153	4.153	(0.816)	63052	10.0000	9.316
	34 Bromochloromethane	128	4.343	4.343	(0.854)	52907	10.0000	9.620
	35 Chloroform	83	4.390	4.390	(0.863)	181680	10.0000	9.846
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	32544	10.0000	9.856
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	98684	10.0000	9.259
	38 1,1-Dichloropropene	75	4.698	4.698	(0.923)	116525	10.0000	9.490
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	75650	10.0000	9.702
	40 1,2-Dichloroethane	62	4.863	4.863	(0.956)	139279	10.0000	9.469
	41 Benzene	78	4.863	4.863	(0.956)	437156	10.0000	9.635
	42 Trichloroethene	130	5.396	5.396	(1.060)	95835	10.0000	9.521
	43 1,2-Dichloropropane	63	5.573	5.573	(1.095)	104521	10.0000	9.461
	44 1,4-Dioxane	88	5.692	5.692	(1.119)	66773	500.000	518.10(A)
	45 Dibromomethane	93	5.680	5.680	(1.116)	67302	10.0000	10.056
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	112952	10.0000	9.109
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	99284	20.0000	16.504
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	138872	10.0000	8.738
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	185776	20.0000	17.850
	50 Toluene	91	6.485	6.485	(0.839)	407505	10.0000	9.142
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.862)	126410	10.0000	8.846
	52 Ethyl Methacrylate	69	6.733	6.733	(0.871)	117083	10.0000	9.965
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.884)	95718	10.0000	9.389
	54 1,3-Dichloropropane	76	6.982	6.982	(0.904)	174182	10.0000	9.489
	55 Tetrachloroethene	164	6.993	6.993	(0.905)	77874	10.0000	10.153
	56 2-Hexanone	43	7.041	7.041	(0.911)	144373	20.0000	17.461
	57 Dibromochloromethane	129	7.195	7.195	(0.931)	73083	10.0000	8.802
	58 1,2-Dibromoethane	107	7.313	7.313	(0.946)	93242	10.0000	9.431
	59 Chlorobenzene	112	7.762	7.762	(1.005)	298983	10.0000	9.680
	60 1,1,1,2-Tetrachloroethane	131	7.833	7.833	(1.014)	89995	10.0000	9.509
	61 Ethylbenzene	106	7.857	7.857	(1.017)	125297	10.0000	8.754
	62 m + p-Xylene	106	7.964	7.964	(1.031)	327579	20.0000	17.508
M	63 Xylenes (total)	106				475454	30.0000	25.734
	64 Xylene-o	106	8.342	8.342	(1.080)	147875	10.0000	8.226
	65 Styrene	104	8.354	8.354	(1.081)	277235	10.0000	9.688

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23278.D
Report Date: 24-Aug-2004 10:25

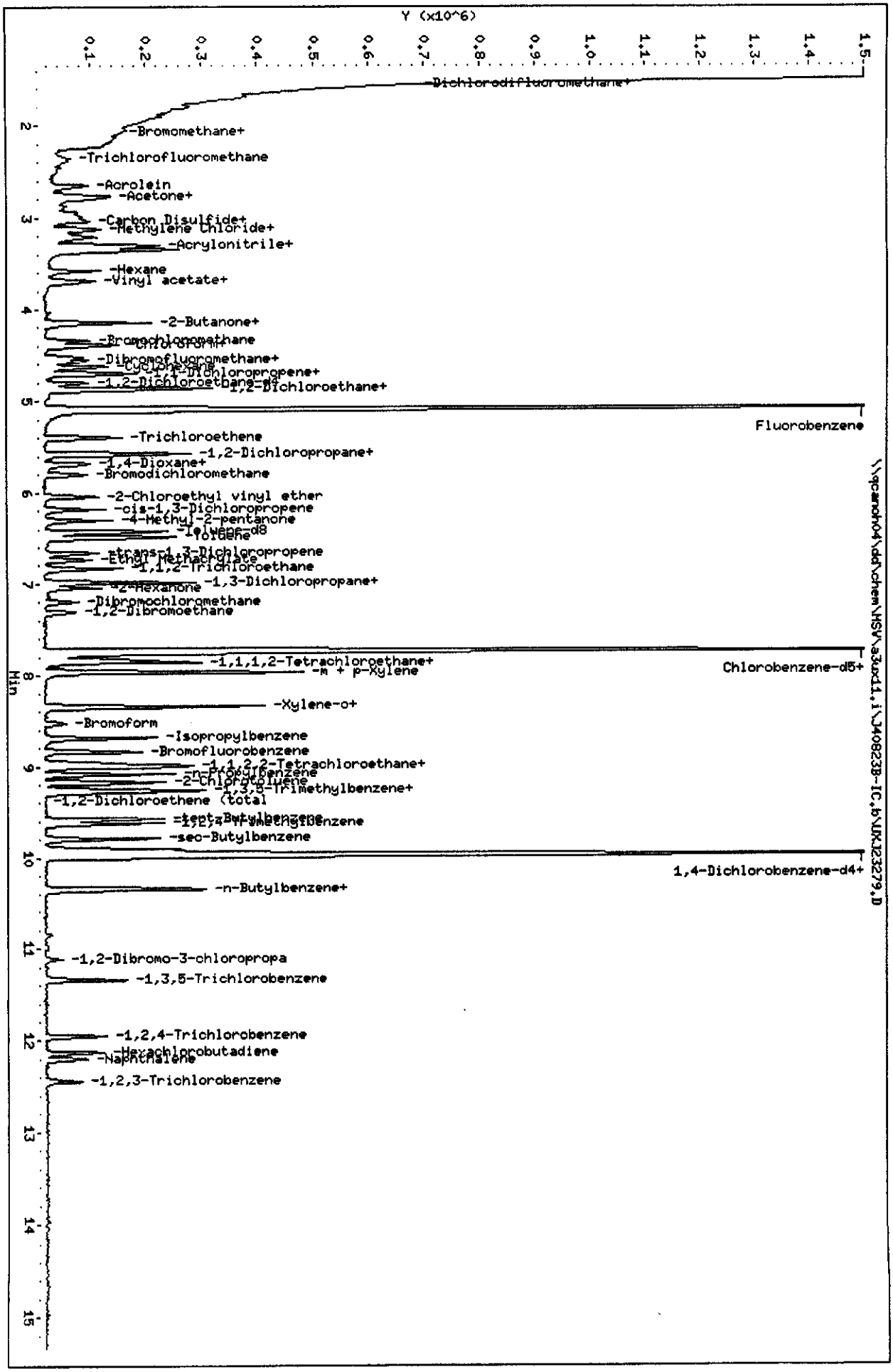
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.532	8.532	(1.104)	46315	10.0000	10.358
67 Isopropylbenzene	105	8.685	8.685	(1.124)	318892	10.0000	9.712
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	151951	10.0000	10.078
69 1,4-Dichloro-2-butene	53	9.017	9.017	(0.905)	36447	10.0000	8.680
70 1,2,3-Trichloropropane	110	9.005	9.005	(0.904)	44634	10.0000	9.424
71 Bromobenzene	156	8.993	8.993	(0.903)	124145	10.0000	9.564
72 n-Propylbenzene	120	9.088	9.088	(0.912)	93096	10.0000	8.710
73 2-Chlorotoluene	126	9.171	9.171	(0.920)	99567	10.0000	8.968
74 1,3,5-Trimethylbenzene	105	9.253	9.253	(0.929)	294386	10.0000	9.587
75 4-Chlorotoluene	126	9.277	9.277	(0.931)	112014	10.0000	9.085
76 tert-Butylbenzene	119	9.573	9.573	(0.961)	227597	10.0000	8.415
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	316554	10.0000	9.561
78 sec-Butylbenzene	105	9.786	9.786	(0.982)	328091	10.0000	8.689
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	271290	10.0000	9.665
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	235768	10.0000	9.714
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	264382	10.0000	10.186
82 n-Butylbenzene	91	10.330	10.330	(1.037)	238045	10.0000	9.682
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	227681	10.0000	9.652
84 1,2-Dibromo-3-chloropropane	157	11.123	11.123	(1.116)	20558	10.0000	9.469
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	84286	10.0000	9.540
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	43755	10.0000	10.131
87 Naphthalene	128	12.200	12.200	(1.224)	166132	10.0000	9.179
88 1,2,3-Trichlorobenzene	180	12.436	12.436	(1.248)	55930	10.0000	9.504
98 Cyclohexane	56	4.627	4.627	(0.909)	109000	10.0000	12.495
143 Methyl Acetate	43	3.029	3.029	(0.595)	182395	20.0000	20.868
144 Methylcyclohexane	83	5.573	5.573	(1.095)	95718	10.0000	12.588
141 1,3,5-Trichlorobenzene	180	11.336	11.336	(1.138)	116689	10.0000	9.434

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23279.D
Date : 23-AUG-2004 18:10
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\J40823B-IC.b\UXJ23279.D
Report Date: 24-Aug-2004 10:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23279.D
Lab Smp Id: 5NG-IC
Inj Date : 23-AUG-2004 18:10
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 5NG-IC
Misc Info : J40823B,8260LLUX11,2-8260.SUB,43582,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Meth Date : 24-Aug-2004 10:26 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 18:10 Cal File: UXJ23279.D
Als bottle: 6 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	5.088	5.088	(1.000)	1958067	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1534317	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.964	9.964	(1.000)	851165	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	48625	5.00000	5.277
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	65027	5.00000	5.328
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	172897	5.00000	4.703
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	73922	5.00000	4.745
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	36234	5.00000	9.093
9 Chloromethane	50	1.680	1.680	(0.330)	122572	5.00000	6.408
10 Vinyl Chloride	62	1.787	1.787	(0.351)	42482	5.00000	5.153
11 Bromomethane	94	2.071	2.071	(0.407)	26490	5.00000	3.861
12 Chloroethane	64	2.166	2.166	(0.426)	27409	5.00000	4.230
13 Trichlorofluoromethane	101	2.331	2.331	(0.458)	41476	5.00000	8.881
15 Acrolein	56	2.651	2.651	(0.521)	88397	50.0000	50.168
16 Acetone	43	2.781	2.781	(0.547)	120906	10.0000	14.016
17 1,1-Dichloroethene	96	2.757	2.757	(0.542)	47268	5.00000	5.161
18 Freon-113	151	2.793	2.793	(0.549)	27581	5.00000	4.783

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23279.D
Report Date: 24-Aug-2004 10:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.876	2.876	(0.565)	44455	5.00000	4.819
	20 Carbon Disulfide	76	2.947	2.947	(0.579)	161417	5.00000	5.364
	21 Methylene Chloride	84	3.124	3.124	(0.614)	92069	5.00000	1.842
	22 Acetonitrile	41	3.006	3.006	(0.591)	79311	50.0000	53.681
	23 Acrylonitrile	53	3.302	3.302	(0.649)	222136	50.0000	50.232
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	111308	5.00000	4.906
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	54942	5.00000	5.471
	26 Hexane	86	3.574	3.574	(0.702)	9164	5.00000	5.401
	27 Vinyl acetate	43	3.704	3.704	(0.728)	77169	5.00000	4.174
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	93165	5.00000	5.204
	29 tert-Butyl Alcohol	59	3.207	3.207	(0.630)	108248	100.000	119.28
	30 2-Butanone	43	4.142	4.142	(0.814)	65498	10.0000	11.136
M	31 1,2-Dichloroethene (total)	96				109816	10.0000	10.692
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	54874	5.00000	5.221
	33 2,2-Dichloropropane	77	4.154	4.154	(0.816)	33152	5.00000	5.042
	34 Bromochloromethane	128	4.343	4.343	(0.854)	29494	5.00000	5.521
	35 Chloroform	83	4.390	4.390	(0.863)	91697	5.00000	5.116
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	18133	5.00000	5.653
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	55621	5.00000	5.372
	38 1,1-Dichloropropene	75	4.698	4.698	(0.923)	61280	5.00000	5.137
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	37828	5.00000	4.994
	40 1,2-Dichloroethane	62	4.864	4.864	(0.956)	77391	5.00000	5.416
	41 Benzene	78	4.864	4.864	(0.956)	236933	5.00000	5.376
	42 Trichloroethene	130	5.396	5.396	(1.060)	51902	5.00000	5.308
	43 1,2-Dichloropropane	63	5.574	5.574	(1.095)	56660	5.00000	5.279
	44 1,4-Dioxane	88	5.704	5.704	(1.121)	32421	250.000	258.96(A)
	45 Dibromomethane	93	5.680	5.680	(1.116)	35416	5.00000	5.448
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	57510	5.00000	4.774
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	48575	10.0000	8.312
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	70025	5.00000	4.536
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	96153	10.0000	9.510
	50 Toluene	91	6.485	6.485	(0.838)	203040	5.00000	4.684
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.861)	61706	5.00000	4.440
	52 Ethyl Methacrylate	69	6.733	6.733	(0.870)	52469	5.00000	5.835
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.882)	52778	5.00000	5.324
	54 1,3-Dichloropropane	76	6.982	6.982	(0.902)	93530	5.00000	5.239
	55 Tetrachloroethene	164	6.993	6.993	(0.904)	40482	5.00000	5.427
	56 2-Hexanone	43	7.041	7.041	(0.910)	68330	10.0000	8.498
	57 Dibromochloromethane	129	7.195	7.195	(0.930)	35501	5.00000	4.396
	58 1,2-Dibromoethane	107	7.301	7.301	(0.943)	46666	5.00000	4.854
	59 Chlorobenzene	112	7.763	7.763	(1.003)	159182	5.00000	5.299
	60 1,1,1,2-Tetrachloroethane	131	7.834	7.834	(1.012)	46694	5.00000	5.073
	61 Ethylbenzene	106	7.857	7.857	(1.015)	62632	5.00000	4.500
	62 m + p-Xylene	106	7.964	7.964	(1.029)	161926	10.0000	8.899
M	63 Xylenes (total)	106				235898	15.0000	13.130
	64 Xylene-o	106	8.342	8.342	(1.078)	73972	5.00000	4.231
	65 Styrene	104	8.354	8.354	(1.080)	125797	5.00000	5.710

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23279.D
Report Date: 24-Aug-2004 10:26

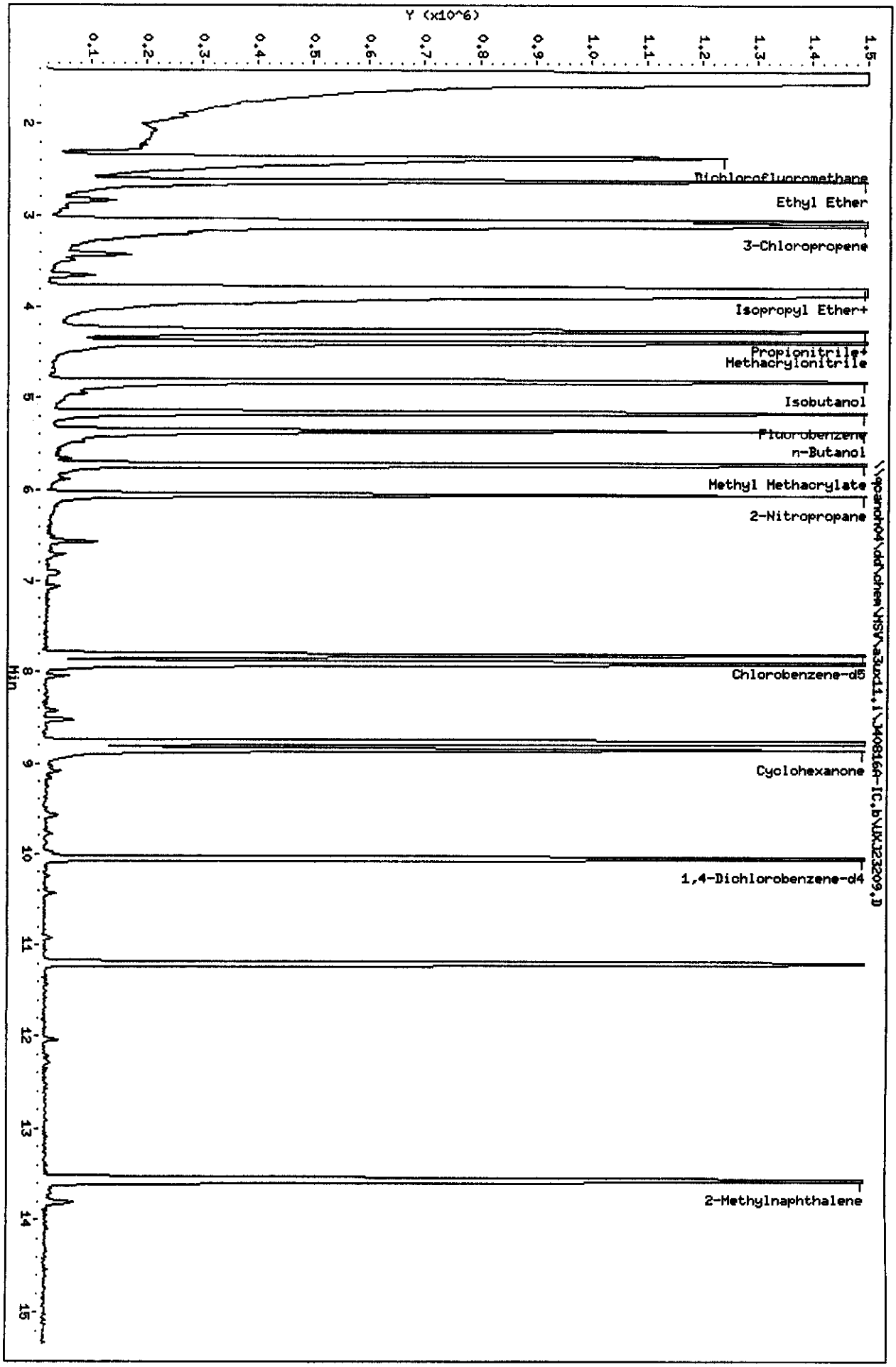
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.532	8.532	(1.102)	21197	5.00000	5.898
67 Isopropylbenzene	105	8.686	8.686	(1.122)	156112	5.00000	6.184
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	76709	5.00000	5.337
69 1,4-Dichloro-2-butene	53	9.017	9.017	(0.905)	20516	5.00000	5.125
70 1,2,3-Trichloropropane	110	9.005	9.005	(0.904)	25322	5.00000	5.609
71 Bromobenzene	156	8.993	8.993	(0.903)	60675	5.00000	4.904
72 n-Propylbenzene	120	9.088	9.088	(0.912)	41870	5.00000	4.109
73 2-Chlorotoluene	126	9.171	9.171	(0.920)	46856	5.00000	4.427
74 1,3,5-Trimethylbenzene	105	9.254	9.254	(0.929)	135032	5.00000	5.833
75 4-Chlorotoluene	126	9.277	9.277	(0.931)	53410	5.00000	4.544
76 tert-Butylbenzene	119	9.573	9.573	(0.961)	120652	5.00000	4.680
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	138364	5.00000	5.651
78 sec-Butylbenzene	105	9.786	9.786	(0.982)	166277	5.00000	4.620
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	129750	5.00000	6.080
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	121078	5.00000	5.233
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	133817	5.00000	5.408
82 n-Butylbenzene	91	10.330	10.330	(1.037)	124298	5.00000	6.433
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	114689	5.00000	5.100
84 1,2-Dibromo-3-chloropropane	157	11.123	11.123	(1.116)	9474	5.00000	4.578
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	40122	5.00000	4.764
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	25327	5.00000	6.152
87 Naphthalene	128	12.200	12.200	(1.224)	78594	5.00000	5.488
88 1,2,3-Trichlorobenzene	180	12.437	12.437	(1.248)	26566	5.00000	4.736
98 Cyclohexane	56	4.627	4.627	(0.909)	64262	5.00000	9.808
143 Methyl Acetate	43	3.029	3.029	(0.595)	90693	10.0000	10.682
144 Methylcyclohexane	83	5.574	5.574	(1.095)	50439	5.00000	9.206
141 1,3,5-Trichlorobenzene	180	11.348	11.348	(1.139)	64892	5.00000	5.504

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ucd1.i\3408160-IC.b\UXJ23209.D
Date : 16-AUG-2004 16:18
Client ID:
Sample Info: 200NG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ucd1.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23209.D
Report Date: 17-Aug-2004 14:56

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23209.D
Lab Smp Id: 200NG-A9IC
Inj Date : 16-AUG-2004 16:18
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 200NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,6
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:56 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.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

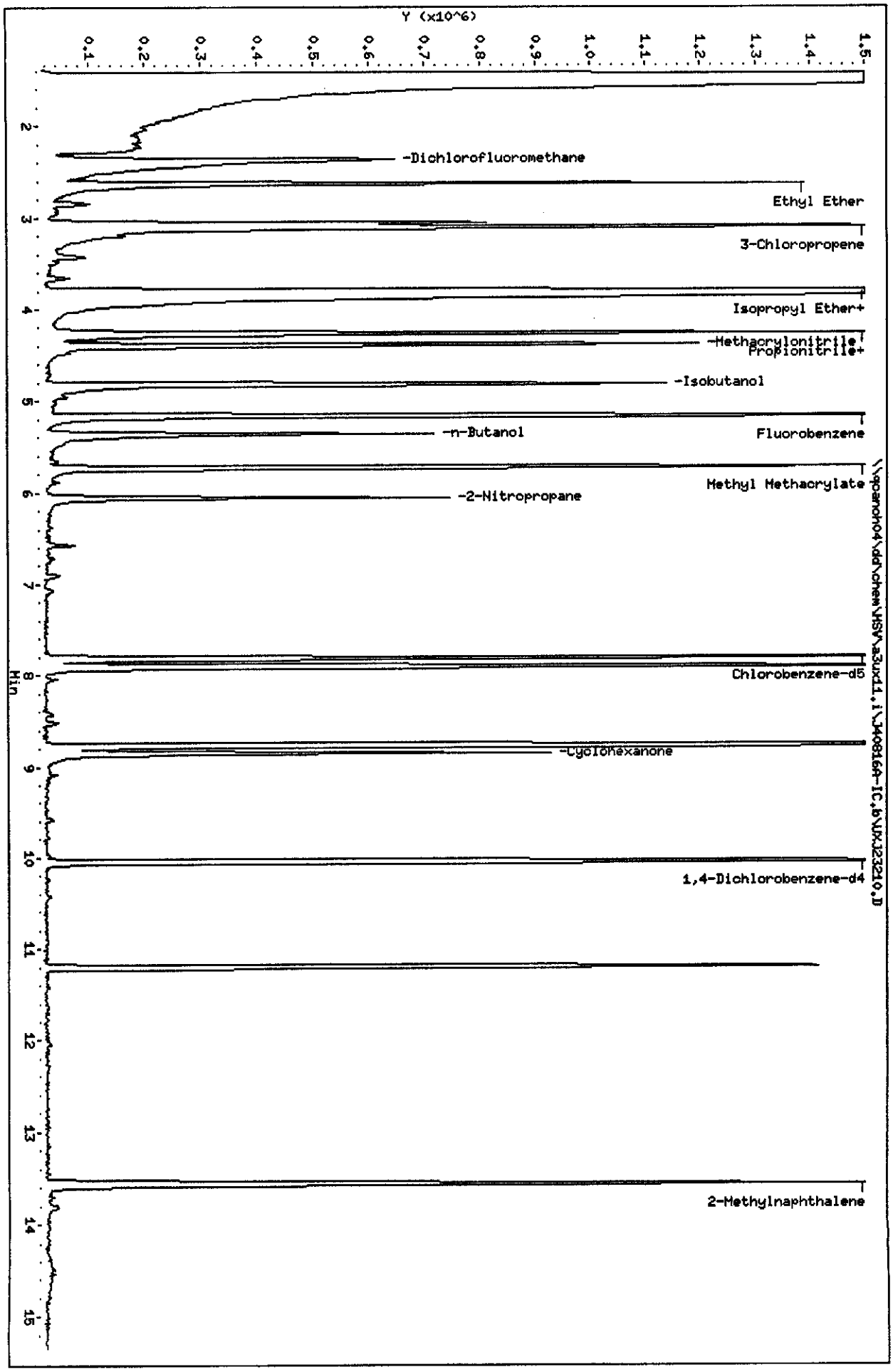
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.171	5.171	(1.000)	2040512	50.0000	
* 2 Chlorobenzene-d5	117	7.822	7.822	(1.000)	1444382	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	767740	50.0000	
14 Dichlorofluoromethane	67	2.367	2.367	(0.458)	4007314	200.000	202.48(A)
89 Ethyl Ether	59	2.627	2.627	(0.508)	1930594	200.000	191.88
91 3-Chloropropene	76	3.112	3.112	(0.602)	944322	200.000	224.54(A)
92 Isopropyl Ether	87	3.810	3.810	(0.737)	9615196	1000.00	1054.0(A)
93 2-Chloro-1,3-butadiene	53	3.846	3.846	(0.744)	3214209	200.000	211.29(A)
94 Propionitrile	54	4.260	4.260	(0.824)	651311	400.000	377.22(A)
95 Ethyl Acetate	43	4.260	4.260	(0.824)	4084685	400.000	408.39(A)
96 Methacrylonitrile	41	4.390	4.390	(0.849)	1321846	200.000	203.84(A)
97 Isobutanol	41	4.816	4.816	(0.616)	1331366	4000.00	4036.3(A)
99 n-Butanol	56	5.361	5.361	(0.685)	1074873	4000.00	4527.6(A)
100 Methyl Methacrylate	41	5.727	5.727	(1.108)	1819805	200.000	228.32(A)
101 2-Nitropropane	41	6.059	6.059	(1.172)	1031981	400.000	415.94(A)
103 Cyclohexanone	55	8.851	8.851	(0.881)	959642	2000.00	2300.0(A)
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	4079814	400.000	1085.6(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23209.D
Report Date: 17-Aug-2004 14:56

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J408164-IC.b\UX123210.D
Date : 16-AUG-2004 16:40
Client ID:
Sample Info: 100NG-A91C
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43562
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Dichlorofluoromethane
Ethyl Ether
3-Chloropropene
Isopropyl Ether+
-Methacrylonitrile
Propionitrile+
-Isobutanol
-n-Butanol
Fluorobenzene
Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
2-Methylnaphthalene
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
\\qcanoh04\dd\chem\HSV\a3ux11.i\J408164-IC.b\UX123210.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23210.D
Report Date: 17-Aug-2004 14:57

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23210.D
Lab Smp Id: 100NG-A9IC
Inj Date : 16-AUG-2004 16:40
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 100NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,5
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:56 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.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	5.171	5.171	(1.000)	1987706	50.0000	
* 2 Chlorobenzene-d5	117	7.822	7.822	(1.000)	1429041	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	734335	50.0000	
14 Dichlorofluoromethane	67	2.367	2.367	(0.458)	1919583	100.000	99.570
89 Ethyl Ether	59	2.627	2.627	(0.508)	952411	100.000	97.174
91 3-Chloropropene	76	3.112	3.112	(0.602)	432982	100.000	105.69
92 Isopropyl Ether	87	3.810	3.810	(0.737)	4697492	500.000	528.62(A)
93 2-Chloro-1,3-butadiene	53	3.846	3.846	(0.744)	1537316	100.000	103.74
94 Propionitrile	54	4.260	4.260	(0.824)	325535	200.000	193.55
95 Ethyl Acetate	43	4.260	4.260	(0.824)	1943985	200.000	199.52
96 Methacrylonitrile	41	4.390	4.390	(0.849)	647907	100.000	102.57
97 Isobutanol	41	4.816	4.816	(0.616)	662388	2000.00	2029.7(A)
99 n-Butanol	56	5.361	5.361	(0.685)	498130	2000.00	2120.8(A)
100 Methyl Methacrylate	41	5.727	5.727	(1.108)	831362	100.000	107.08
101 2-Nitropropane	41	6.059	6.059	(1.172)	493098	200.000	204.02(A)
103 Cyclohexanone	55	8.851	8.851	(0.881)	453132	1000.00	1135.4(A)
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	1299383	200.000	361.47(A)

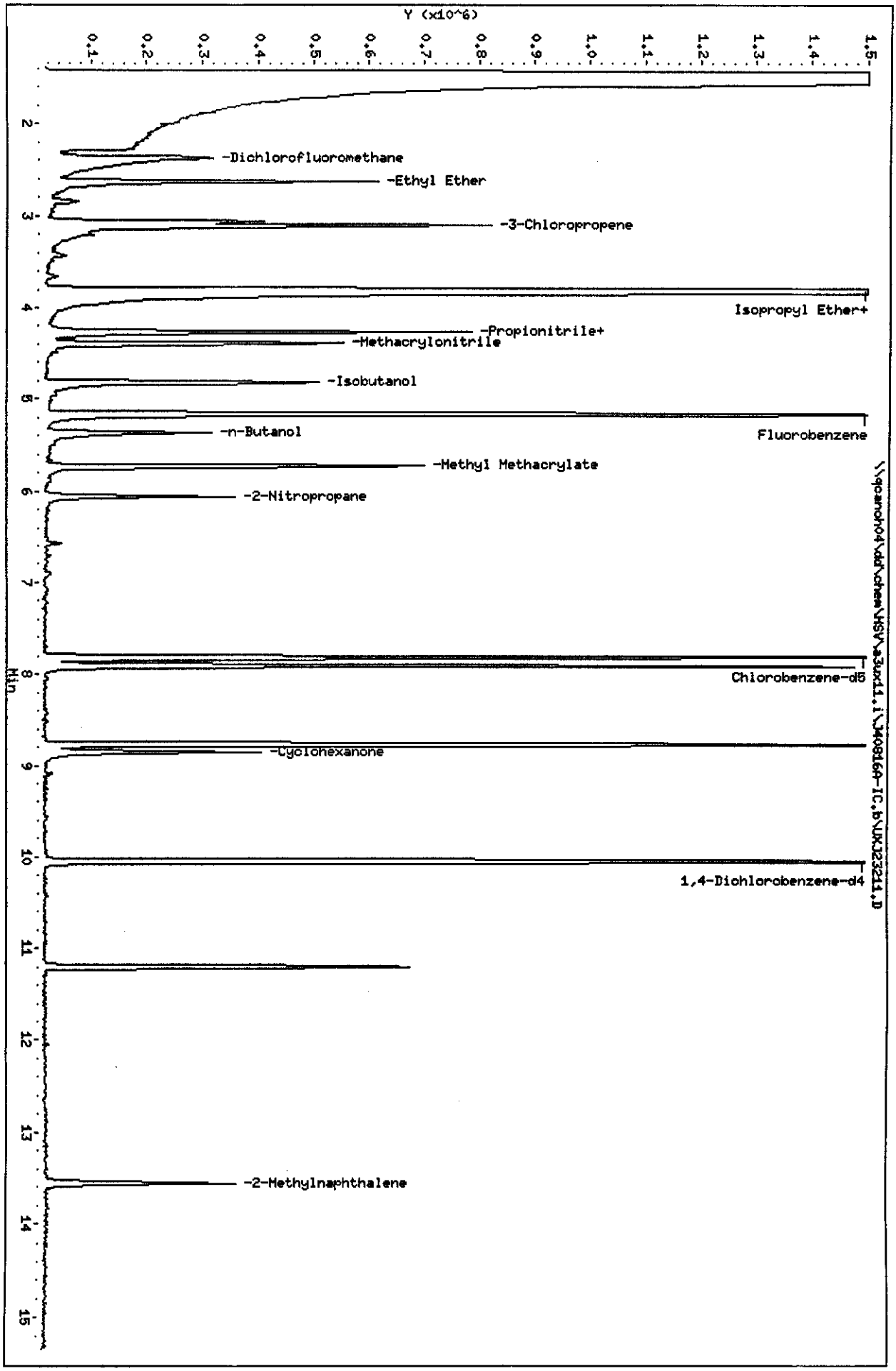
Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23210.D
Report Date: 17-Aug-2004 14:57

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J408160-IC.b\UXJ23211.D
Date : 16-AUG-2004 17:03
Client ID:
Sample Info: 50NG-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\J40816A-IC.b\UXJ23211.D
Report Date: 17-Aug-2004 14:57

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23211.D
Lab Smp Id: 50NG-A9IC
Inj Date : 16-AUG-2004 17:03
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,4
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:57 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.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	5.171	5.171	(1.000)	1946935	50.0000	
* 2 Chlorobenzene-d5	117	7.822	7.822	(1.000)	1394264	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	698314	50.0000	
14 Dichlorofluoromethane	67	2.379	2.379	(0.460)	957001	50.0000	50.680
89 Ethyl Ether	59	2.639	2.639	(0.510)	461257	50.0000	48.047
91 3-Chloropropene	76	3.112	3.112	(0.602)	208248	50.0000	51.898
92 Isopropyl Ether	87	3.810	3.810	(0.737)	2284128	250.000	262.42(A)
93 2-Chloro-1,3-butadiene	53	3.846	3.846	(0.744)	760882	50.0000	52.422
94 Propionitrile	54	4.260	4.260	(0.824)	160094	100.000	97.178
95 Ethyl Acetate	43	4.272	4.272	(0.826)	927819	100.000	97.223
96 Methacrylonitrile	41	4.390	4.390	(0.849)	308829	50.0000	49.914
97 Isobutanol	41	4.816	4.816	(0.616)	309158	1000.00	970.97(A)
99 n-Butanol	56	5.361	5.361	(0.685)	234037	1000.00	1021.2(A)
100 Methyl Methacrylate	41	5.727	5.727	(1.108)	388455	50.0000	51.079
101 2-Nitropropane	41	6.059	6.059	(1.172)	242106	100.000	102.27
103 Cyclohexanone	55	8.851	8.851	(0.881)	204421	500.000	538.66(A)
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	247408	100.000	72.376

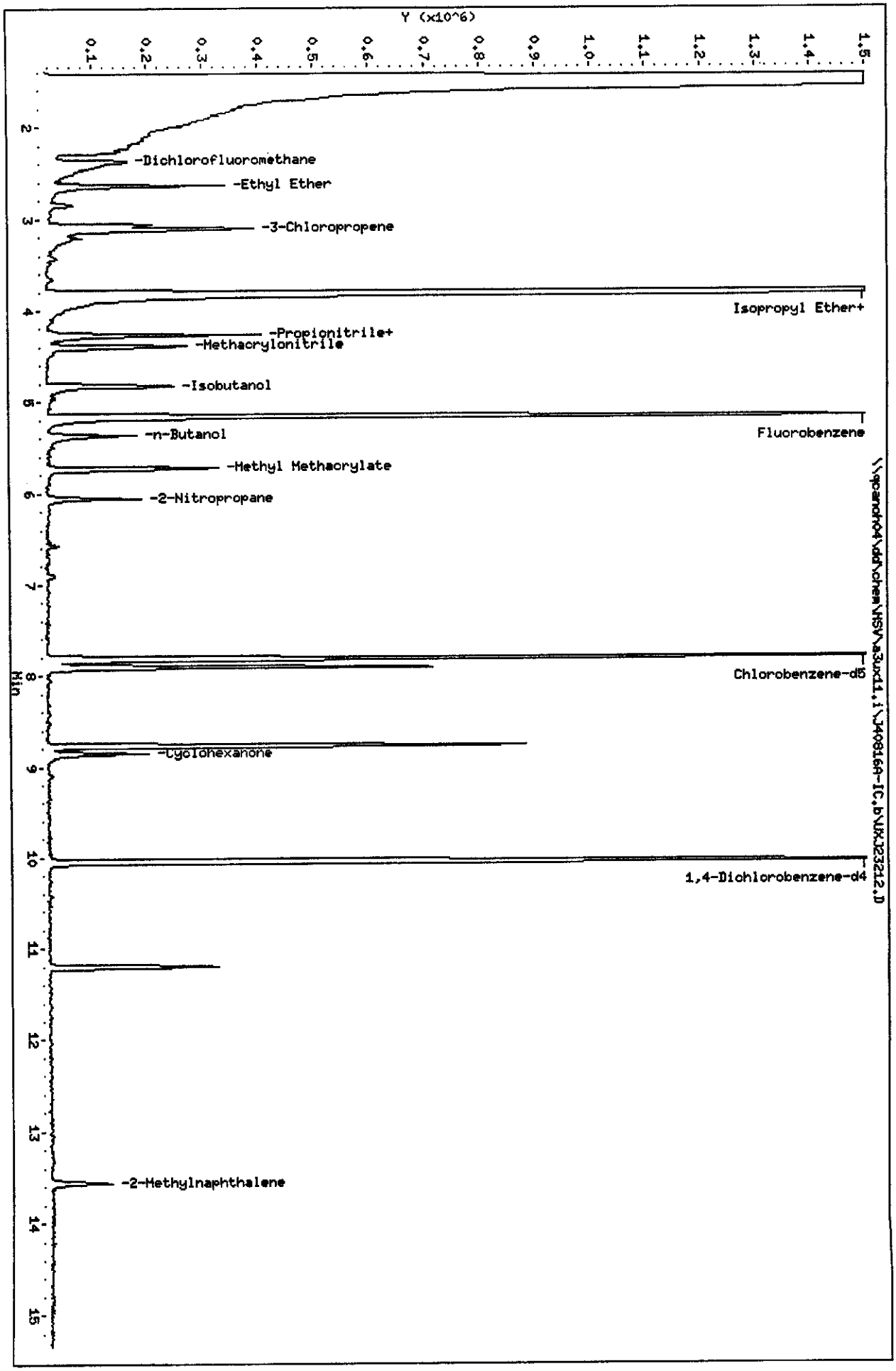
Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23211.D
Report Date: 17-Aug-2004 14:57

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J408166A-IC.b\UKJ23212.D
Date : 16-AUG-2004 17:26
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\J40816A-IC.b\UXJ23212.D
Report Date: 17-Aug-2004 14:58

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VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23212.D
Lab Smp Id: 25NG-A9IC
Inj Date : 16-AUG-2004 17:26
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 25NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:57 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.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

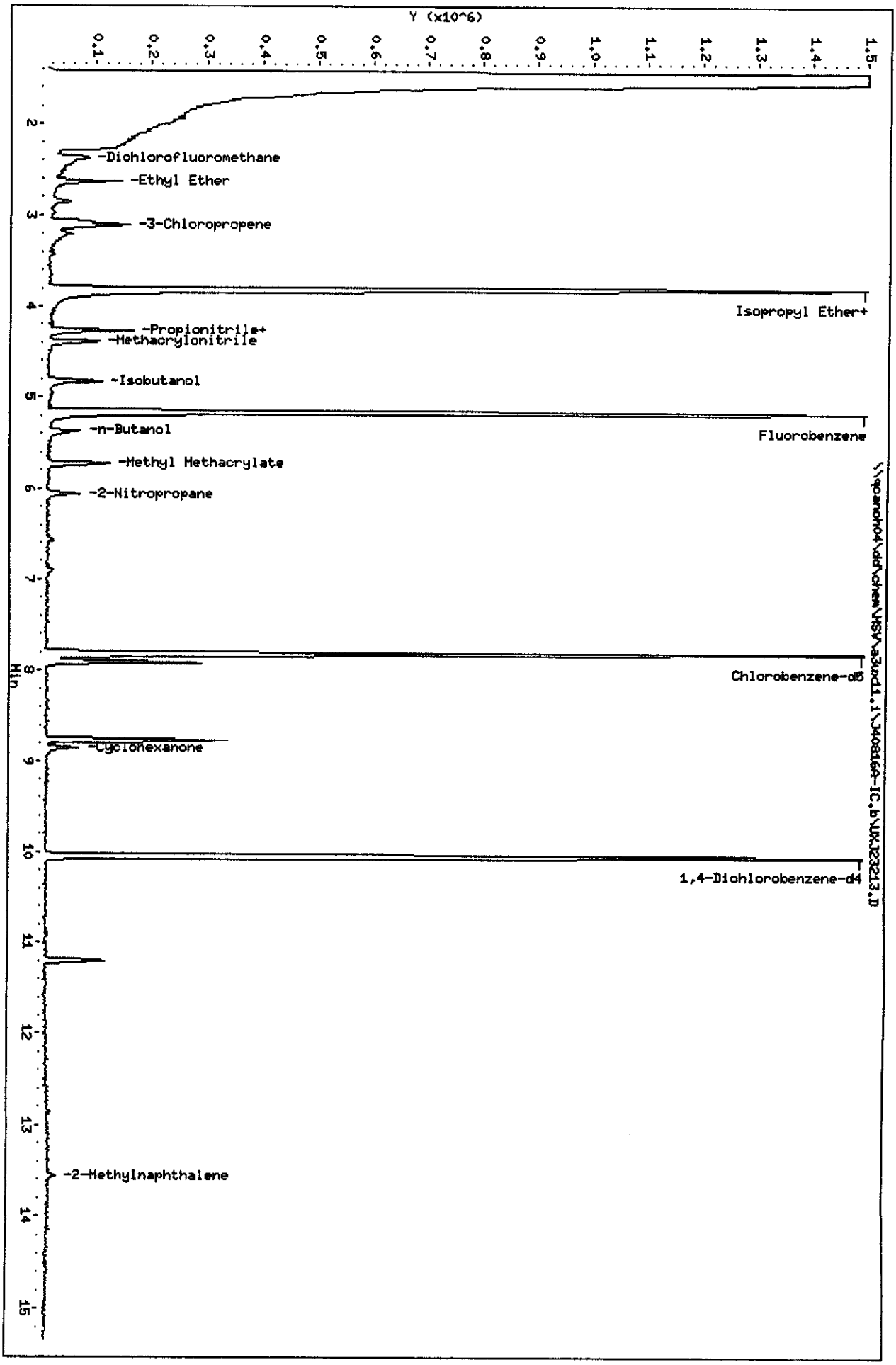
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.171	5.171	(1.000)	1894679	50.0000	
* 2 Chlorobenzene-d5	117	7.822	7.822	(1.000)	1362249	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	685784	50.0000	
14 Dichlorofluoromethane	67	2.378	2.378	(0.460)	460035	25.0000	25.034
89 Ethyl Ether	59	2.639	2.639	(0.510)	229157	25.0000	24.529
91 3-Chloropropene	76	3.112	3.112	(0.602)	98714	25.0000	25.279
92 Isopropyl Ether	87	3.810	3.810	(0.737)	1062158	125.000	125.40
93 2-Chloro-1,3-butadiene	53	3.846	3.846	(0.744)	362465	25.0000	25.661
94 Propionitrile	54	4.260	4.260	(0.824)	83549	50.0000	52.114
95 Ethyl Acetate	43	4.272	4.272	(0.826)	467574	50.0000	50.347
96 Methacrylonitrile	41	4.390	4.390	(0.849)	147119	25.0000	24.434
97 Isobutanol	41	4.816	4.816	(0.616)	156732	500.000	503.82(A)
99 n-Butanol	56	5.372	5.372	(0.687)	112573	500.000	502.78(A)
100 Methyl Methacrylate	41	5.727	5.727	(1.108)	175947	25.0000	23.774
101 2-Nitropropane	41	6.059	6.059	(1.172)	117850	50.0000	51.156
103 Cyclohexanone	55	8.851	8.851	(0.881)	91550	250.000	245.65(A)
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	80002	50.0000	23.831

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23212.D
Report Date: 17-Aug-2004 14:58

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J408164-IC.b\UXJ23213.D
Date : 16-AUG-2004 17:48
Client ID:
Sample Info: 10NG-A9IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
-n-Butanol
Fluorobenzene
-Methyl Methacrylate
-2-Nitropropane
\\qcanoh04\dd\chem\HSV\a3ux11.i\J408164-IC.b\UXJ23213.D
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
-2-Methylnaphthalene
Min
2
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STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23213.D
Lab Smp Id: 10NG-A9IC
Inj Date : 16-AUG-2004 17:48
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 10NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:58 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.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

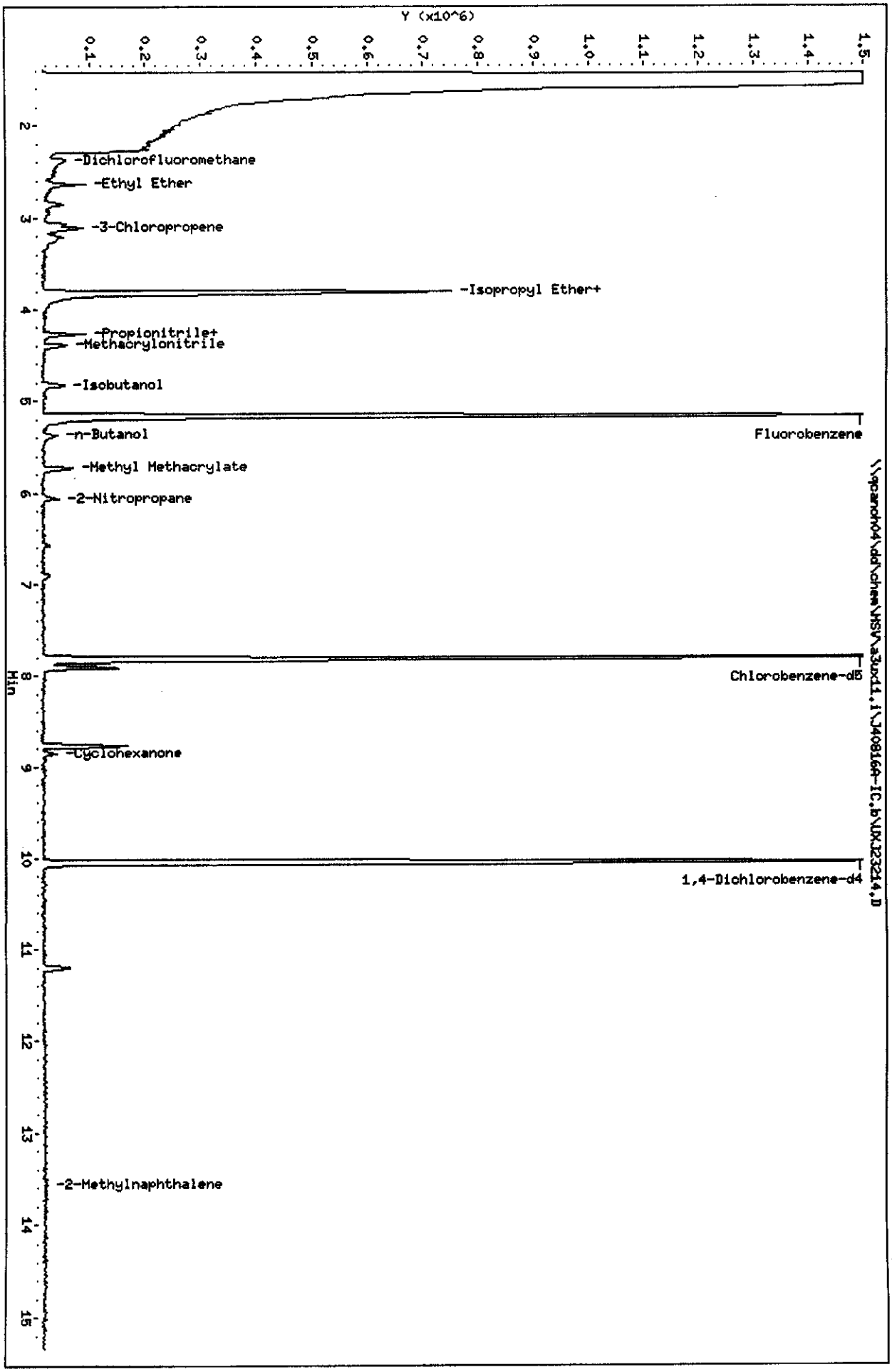
Concentration Formula: Amt * DF * 1/Vo

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	5.171	5.171	(1.000)	1783996	50.0000	
* 2 Chlorobenzene-d5	117	7.822	7.822	(1.000)	1312732	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	643754	50.0000	
14 Dichlorofluoromethane	67	2.379	2.379	(0.460)	178398	10.0000	10.310
89 Ethyl Ether	59	2.639	2.639	(0.510)	91239	10.0000	10.372
91 3-Chloropropene	76	3.112	3.112	(0.602)	34795	10.0000	9.463
92 Isopropyl Ether	87	3.810	3.810	(0.737)	377202	50.0000	47.294
93 2-Chloro-1,3-butadiene	53	3.846	3.846	(0.744)	125775	10.0000	9.457
94 Propionitrile	54	4.260	4.260	(0.824)	31372	20.0000	20.782
95 Ethyl Acetate	43	4.272	4.272	(0.826)	170678	20.0000	19.518
96 Methacrylonitrile	41	4.390	4.390	(0.849)	57028	10.0000	10.059
97 Isobutanol	41	4.828	4.828	(0.617)	56016	200.000	186.86
99 n-Butanol	56	5.384	5.384	(0.688)	39656	200.000	183.79
100 Methyl Methacrylate	41	5.727	5.727	(1.108)	62629	10.0000	8.987
101 2-Nitropropane	41	6.059	6.059	(1.172)	44196	20.0000	20.375
103 Cyclohexanone	55	8.851	8.851	(0.881)	29984	100.000	85.706
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	13721	20.0000	4.354

Data File: \\qcanch04\dd\chem\MSV\a3ux11.i\J408164-IC.b\UXJ23214.D
Date : 16-AUG-2004 18:11
Client ID:
Sample Info: 5NG-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\J40816A-IC.b\UXJ23214.D
Report Date: 17-Aug-2004 14:59

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23214.D
Lab Smp Id: 5NG-A9IC
Inj Date : 16-AUG-2004 18:11
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 5NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,1
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:59 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.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	5.171	5.171	(1.000)	1729289	50.0000	
* 2 Chlorobenzene-d5	117	7.822	7.822	(1.000)	1295054	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	623017	50.0000	
14 Dichlorofluoromethane	67	2.379	2.379	(0.460)	79325	5.00000	4.730
89 Ethyl Ether	59	2.639	2.639	(0.510)	46453	5.00000	5.448
91 3-Chloropropene	76	3.112	3.112	(0.602)	14700	5.00000	4.124
92 Isopropyl Ether	87	3.822	3.822	(0.739)	172012	25.0000	22.250
93 2-Chloro-1,3-butadiene	53	3.846	3.846	(0.744)	57084	5.00000	4.428
94 Propionitrile	54	4.260	4.260	(0.824)	15160	10.0000	10.360
95 Ethyl Acetate	43	4.272	4.272	(0.826)	86994	10.0000	10.263
96 Methacrylonitrile	41	4.390	4.390	(0.849)	26752	5.00000	4.868
97 Isobutanol	41	4.816	4.816	(0.616)	31443	100.000	106.32
99 n-Butanol	56	5.372	5.372	(0.687)	18347	100.000	86.193
100 Methyl Methacrylate	41	5.727	5.727	(1.108)	30951	5.00000	4.582
101 2-Nitropropane	41	6.059	6.059	(1.172)	18407	10.0000	8.754
103 Cyclohexanone	55	8.851	8.851	(0.881)	13502	50.0000	39.878
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	1849	10.0000	0.6063

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23280.D
Report Date: 24-Aug-2004 10:27

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\J40823B-IC.b\8260LLUX11.m
Misc Info: J40823B,8260LLUX11,2-8260.SUB,43582,3

Client SDG: SDGa00780
Fraction: VOA

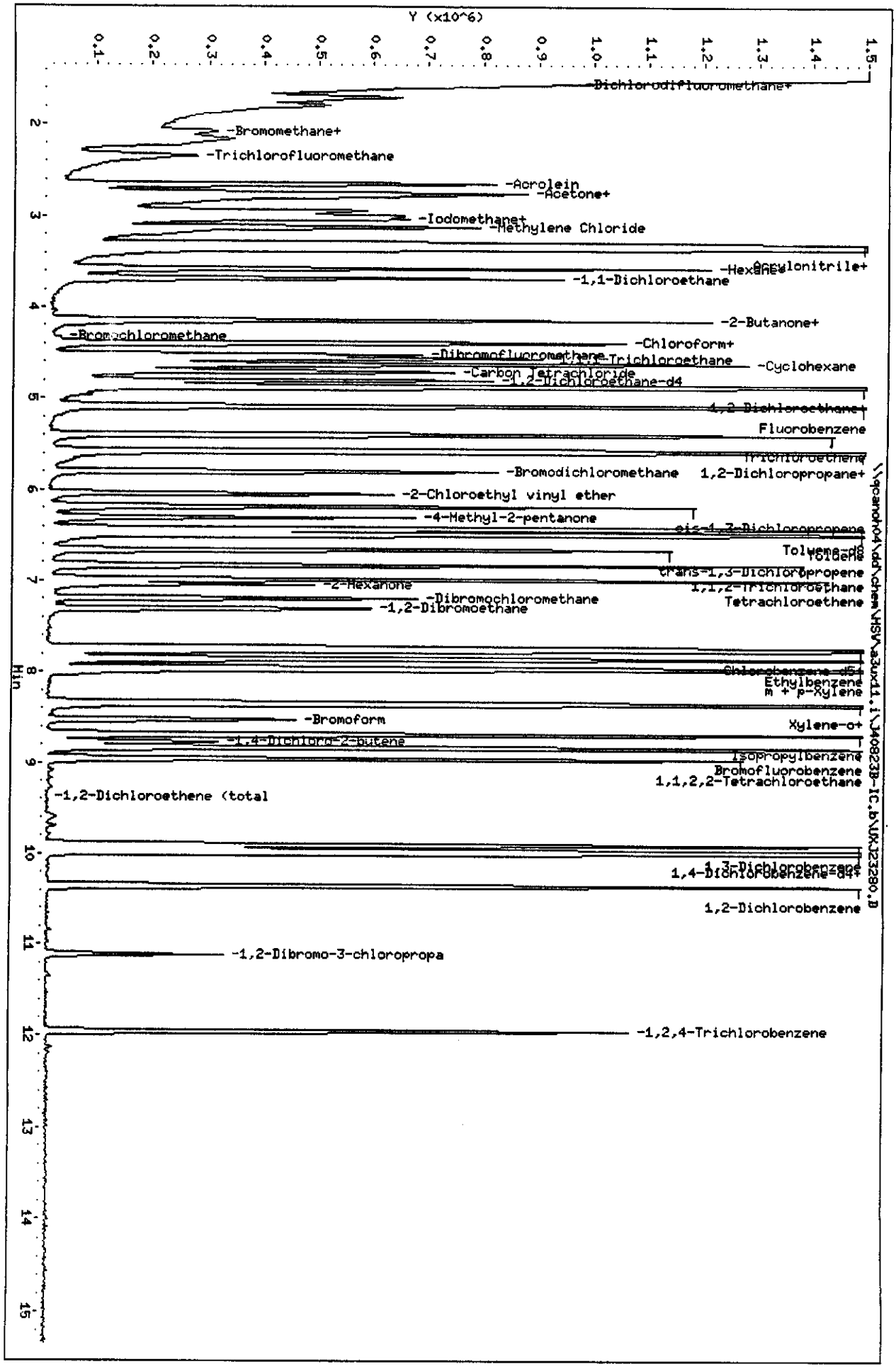
Operator: 43582
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17	1,1-Dichloroethene	10.000	11.033	110.33	45-155
	42	Trichloroethene	10.000	11.048	110.48	45-155
	59	Chlorobenzene	10.000	10.209	102.09	45-155
	50	Toluene	10.000	10.972	109.72	45-155
	41	Benzene	10.000	10.378	103.78	45-155
	16	Acetone	10.000	6.987	69.87	45-155
	20	Carbon Disulfide	10.000	11.826	118.26	45-155
	9	Chloromethane	10.000	9.014	90.14	45-155
	11	Bromomethane	10.000	10.541	105.41	45-155
	10	Vinyl Chloride	10.000	11.554	115.54	45-155
	12	Chloroethane	10.000	11.661	116.61	45-155
	21	Methylene Chloride	10.000	9.208	92.08	45-155
	28	1,1-Dichloroethane	10.000	10.788	107.88	45-155
M	31	1,2-Dichloroethene	20.000	20.946	104.73	45-155
	35	Chloroform	10.000	10.368	103.68	45-155
	40	1,2-Dichloroethane	10.000	10.204	102.04	45-155
	30	2-Butanone	10.000	8.119	81.19	45-155
	37	1,1,1-Trichloroeth	10.000	11.093	110.93	45-155
	39	Carbon Tetrachlori	10.000	11.614	116.14	45-155
	46	Bromodichlorometha	10.000	10.215	102.15	45-155
	43	1,2-Dichloropropan	10.000	10.262	102.62	45-155
	48	cis-1,3-Dichloropr	10.000	9.997	99.97	45-155
	57	Dibromochlorometha	10.000	10.162	101.62	45-155
	53	1,1,2-Trichloroeth	10.000	9.922	99.22	45-155
	51	trans-1,3-Dichloro	10.000	10.008	100.08	45-155
	66	Bromoform	10.000	9.899	98.99	45-155
	49	4-Methyl-2-pentano	10.000	9.257	92.57	45-155
	56	2-Hexanone	10.000	8.094	80.94	45-155
	55	Tetrachloroethene	10.000	10.860	108.60	45-155
	68	1,1,2,2-Tetrachlor	10.000	10.522	105.22	45-155
	61	Ethylbenzene	10.000	10.931	109.31	45-155
	65	Styrene	10.000	10.006	100.06	45-155
M	63	Xylenes (total)	30.000	33.480	111.60	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23280.D
Report Date: 24-Aug-2004 10:27

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
32 cis-1,2-dichloroet	10.000	9.843	98.43	45-155
25 trans-1,2-Dichloro	10.000	11.103	111.03	45-155
8 Dichlorodifluorome	10.000	13.037	130.37	45-155
13 Trichlorofluoromet	10.000	13.064	130.64	45-155
18 Freon-113	10.000	13.975	139.75	45-155
24 Methyl tert-butyl	10.000	10.196	101.96	45-155
58 1,2-Dibromoethane	10.000	10.355	103.55	45-155
67 Isopropylbenzene	10.000	10.692	106.92	45-155
80 1,3-Dichlorobenzen	10.000	9.928	99.28	45-155
81 1,4-Dichlorobenzen	10.000	10.318	103.18	45-155
83 1,2-Dichlorobenzen	10.000	10.250	102.50	45-155
84 1,2-Dibromo-3-chlo	10.000	10.514	105.14	45-155
85 1,2,4-Trichloroben	10.000	9.593	95.93	45-155
98 Cyclohexane	10.000	10.575	105.75	45-155
143 Methyl Acetate	10.000	10.267	102.67	45-155
144 Methylcyclohexane	10.000	10.500	105.00	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.770	97.70	73-122
$ 5 1,2-Dichloroethane	10.000	9.283	92.83	61-128
$ 6 Toluene-d8	10.000	10.250	102.50	76-110
$ 7 Bromofluorobenzene	10.000	10.232	102.32	74-116


Data File: \\qcarch04\dd\chem\HSV\a3ux11.i\J40823B-IC,b\UX123280.D
Date : 23-AUG-2004 18:33
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Dichlorodifluoromethane+
Bromomethane+
Trichlorofluoromethane
Acrolein
Acetone+
Iodomethane+
Methylene Chloride
Acrylonitrile+
Hexane
1,1-Dichloroethane
2-Butanone+
Bromochloromethane
Chloroform+
Dibromofluoromethane
1,1,1-Trichloroethane
Cyclohexane
Carbon Tetrachloride
1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
Bromodichloromethane
1,2-Dichloropropane+
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
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23280.D
Report Date: 24-Aug-2004 10:27

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23280.D
Lab Smp Id: ICV
Inj Date : 23-AUG-2004 18:33
Operator : 43582 Inst ID: a3ux11.i
Smp Info : ICV
Misc Info : J40823B,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\8260LLUX11.m
Meth Date : 24-Aug-2004 10:26 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 18:10 Cal File: UXJ23279.D
Als bottle: 7 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	5.088	5.088	(1.000)	2055792	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1599532	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.964	(1.000)	862566	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	472629	48.8515	9.770
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	594710	46.4151	9.283
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	1964007	51.2499	10.250
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	830900	51.1605	10.232
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	533457	65.1836	13.037
9 Chloromethane	50	1.692	1.680	(0.333)	715538	45.0700	9.014
10 Vinyl Chloride	62	1.787	1.787	(0.351)	500018	57.7685	11.554
11 Bromomethane	94	2.083	2.071	(0.409)	203774	52.7039	10.541
12 Chloroethane	64	2.154	2.166	(0.423)	396620	58.3071	11.661
13 Trichlorofluoromethane	101	2.343	2.331	(0.461)	652162	65.3218	13.064
15 Acrolein	56	2.651	2.651	(0.521)	1021262	552.045	110.41
16 Acetone	43	2.781	2.781	(0.547)	232468	34.9337	6.987
17 1,1-Dichloroethene	96	2.757	2.757	(0.542)	530493	55.1649	11.033
18 Freon-113	151	2.781	2.793	(0.547)	423075	69.8764	13.975

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23280.D
Report Date: 24-Aug-2004 10:27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.923	2.876	(0.574)	31115	3.21244	0.6425
	20 Carbon Disulfide	76	2.946	2.947	(0.579)	1868213	59.1326	11.826
	21 Methylene Chloride	84	3.124	3.124	(0.614)	665372	46.0393	9.208
	22 Acetonitrile	41	3.006	3.006	(0.591)	886604	571.561	114.31
	23 Acrylonitrile	53	3.301	3.302	(0.649)	2325695	500.917	100.18
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	1214202	50.9783	10.196
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	585358	55.5162	11.103
	26 Hexane	86	3.574	3.574	(0.702)	106949	60.0328	12.006
	27 Vinyl acetate	43	3.574	3.704	(0.702)	374448	19.2892	3.858
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	1013773	53.9377	10.788
	29 tert-Butyl Alcohol	59	3.041	3.207	(0.598)	36562	38.3724	7.674
	30 2-Butanone	43	4.142	4.142	(0.814)	250690	40.5961	8.119
M	31 1,2-Dichloroethene (total)	96				1128420	104.732	20.946
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	543062	49.2163	9.843
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	4.331	4.343	(0.851)	5800	1.03404	0.2068
	35 Chloroform	83	4.390	4.390	(0.863)	975569	51.8391	10.368
	36 Tetrahydrofuran	42	4.390	4.378	(0.863)	8617	2.55867	0.5117
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	602921	55.4659	11.093
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	461784	58.0701	11.614
	40 1,2-Dichloroethane	62	4.863	4.864	(0.956)	765450	51.0220	10.204
	41 Benzene	78	4.863	4.864	(0.956)	2401224	51.8921	10.378
	42 Trichloroethene	130	5.396	5.396	(1.060)	567136	55.2415	11.048
	43 1,2-Dichloropropane	63	5.573	5.574	(1.095)	578185	51.3128	10.262
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	5.680	5.680	(1.116)	8782	1.28662	0.2573
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	645946	51.0752	10.215
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	306631	49.9745	9.995
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	810188	49.9844	9.997
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	491304	46.2834	9.257
	50 Toluene	91	6.484	6.485	(0.838)	2479346	54.8618	10.972
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.861)	724951	50.0400	10.008
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.882)	512713	49.6075	9.922
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.993	6.993	(0.904)	422245	54.2976	10.860
	56 2-Hexanone	43	7.041	7.041	(0.910)	339267	40.4729	8.094
	57 Dibromochloromethane	129	7.194	7.195	(0.930)	427738	50.8103	10.162
	58 1,2-Dibromoethane	107	7.313	7.301	(0.945)	518982	51.7763	10.355
	59 Chlorobenzene	112	7.762	7.763	(1.003)	1598392	51.0441	10.209
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.857	7.857	(1.015)	793082	54.6551	10.931
	62 m + p-Xylene	106	7.964	7.964	(1.029)	2127317	112.146	22.429
M	63 Xylenes (total)	106				3134363	167.398	33.480
	64 Xylene-o	106	8.342	8.342	(1.078)	1007046	55.2525	11.050
	65 Styrene	104	8.354	8.354	(1.080)	1817694	50.0275	10.006

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\UXJ23280.D
Report Date: 24-Aug-2004 10:27

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	8.532	8.532	(1.102)	274639	49.4963	9.899
67 Isopropylbenzene	105	8.685	8.686	(1.122)	2314705	53.4624	10.692
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	766286	52.6096	10.522
69 1,4-Dichloro-2-butene	53	8.780	9.017	(0.881)	8637	2.12923	0.4258
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	9.904	9.904	(0.994)	1163956	49.6430	9.928
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	1293585	51.5903	10.318
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	1167763	51.2477	10.250
84 1,2-Dibromo-3-chloropropane	157	11.123	11.123	(1.116)	110257	52.5726	10.514
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	409373	47.9674	9.593
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.627	4.627	(0.909)	772004	52.8772	10.575
143 Methyl Acetate	43	3.041	3.029	(0.598)	457640	51.3374	10.267
144 Methylcyclohexane	83	5.573	5.574	(1.095)	627174	52.5023	10.500
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\8260LLUX11.m
Start Cal Date: 16-AUG-2004 16:18
End Cal Date : 23-AUG-2004 18:10
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
23-AUG-2004 18:10	2-8260	UXJ23279.D
16-AUG-2004 18:11	3-IX	UXJ23214.D
Cal Level: 2 , Cal Amount: 10.000		
23-AUG-2004 17:47	2-8260	UXJ23278.D
16-AUG-2004 17:48	3-IX	UXJ23213.D
Cal Level: 3 , Cal Amount: 25.000		
23-AUG-2004 17:24	2-8260	UXJ23277.D
16-AUG-2004 17:26	3-IX	UXJ23212.D
Cal Level: 4 , Cal Amount: 50.000		
23-AUG-2004 17:02	2-8260	UXJ23276.D
16-AUG-2004 17:03	3-IX	UXJ23211.D
Cal Level: 5 , Cal Amount: 100.00		
23-AUG-2004 16:39	2-8260	UXJ23275.D
16-AUG-2004 16:40	3-IX	UXJ23210.D
Cal Level: 6 , Cal Amount: 200.00		
23-AUG-2004 16:17	2-8260	UXJ23274.D
16-AUG-2004 16:18	3-IX	UXJ23209.D

Continuing Calibration

25-AUG-2004 09:04	2-8260	UXJ23363.D
25-AUG-2004 08:41	3-IX	UXJ23362.D
~~25-AUG-2004 08:18~~	~~2-8260~~	~~UXJ23361.D~~ 8/26/04

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23363.D
Report Date: 26-Aug-2004 15:17

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ23363.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825A.b\8260LLUX11.m

Injection Date: 25-AUG-2004 09:04
Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Init. Cal. Times: 16:18 18:10
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
$	4 Dibromofluoromethane	0.23531	0.24450	0.010	3.9	50.0
$	5 1,2-Dichloroethane-d4	0.31163	0.32395	0.010	4.0	50.0
$	6 Toluene-d8	1.19792	1.24691	0.010	4.1	50.0
$	7 Bromofluorobenzene	0.50768	0.51388	0.010	1.2	50.0
	8 Dichlorodifluoromethane	50.00000	58.42885	0.010	-16.9	50.0
	9 Chloromethane	0.42224	0.34568	0.100	-18.1	50.0
	10 Vinyl Chloride	0.21052	0.21727	0.010	3.2	20.0
	11 Bromomethane	50.00000	63.86232	0.010	-27.7	50.0
	12 Chloroethane	0.16544	0.20962	0.010	26.7	50.0
	13 Trichlorofluoromethane	50.00000	53.02162	0.010	-6.0	50.0
	15 Acrolein	0.04499	0.03718	0.010	-17.4	50.0
	16 Acetone	100	78.94780	0.010	21.1	50.0
	17 1,1-Dichloroethene	0.23389	0.22622	0.010	-3.3	20.0
	18 Freon-113	0.14726	0.15163	0.010	3.0	50.0
	19 Iodomethane	0.23557	0.24941	0.010	5.9	50.0
	20 Carbon Disulfide	0.76841	0.80514	0.010	4.8	50.0
	21 Methylene Chloride	50.00000	50.16019	0.010	-0.3	50.0
	22 Acetonitrile	0.03773	0.03387	0.010	-10.2	50.0
	23 Acrylonitrile	0.11292	0.10470	0.010	-7.3	50.0
	24 Methyl tert-butyl ether	0.57929	0.54435	0.010	-6.0	50.0
	25 trans-1,2-Dichloroethene	0.25644	0.25419	0.010	-0.9	50.0
	26 Hexane	0.04333	0.04047	0.010	-6.6	20.0
	27 Vinyl acetate	0.47214	0.41615	0.010	-11.9	50.0
	28 1,1-Dichloroethane	0.45713	0.44271	0.100	-3.2	50.0
	29 tert-Butyl Alcohol	0.02317	0.01549	0.010	-33.2	50.0
	30 2-Butanone	0.15019	0.12207	0.010	-18.7	50.0
M	31 1,2-Dichloroethene (total)	0.26241	0.25587	0.010	-2.5	50.0
	32 cis-1,2-dichloroethene	0.26837	0.25754	0.010	-4.0	50.0
	33 2,2-Dichloropropane	0.16789	0.17930	0.010	6.8	50.0
	34 Bromochloromethane	0.13642	0.12866	0.010	-5.7	50.0
	35 Chloroform	0.45771	0.44399	0.010	-3.0	20.0
	36 Tetrahydrofuran	0.08191	0.06715	0.010	-18.0	50.0
	37 1,1,1-Trichloroethane	0.26438	0.28358	0.010	7.3	50.0
	38 1,1-Dichloropropene	0.30459	0.30507	0.010	0.2	50.0
	39 Carbon Tetrachloride	0.19341	0.22310	0.010	15.4	50.0
	40 1,2-Dichloroethane	0.36488	0.36310	0.010	-0.5	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23363.D
Report Date: 26-Aug-2004 15:17

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ23363.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC

Injection Date: 25-AUG-2004 09:04
Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Init. Cal. Times: 16:18 18:10
Quant Type: ISTD

Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825A.b\8260LLUX11.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	1.12544	1.08045	0.010	-4.0	50.0	
	42 Trichloroethene	0.24970	0.23959	0.010	-4.0	50.0	
	43 1,2-Dichloropropane	0.27405	0.26848	0.010	-2.0	20.0	
	44 1,4-Dioxane	0.00320	0.00258	0.010	-19.2	50.0	<-
	45 Dibromomethane	0.16601	0.15831	0.010	-4.6	50.0	
	46 Bromodichloromethane	0.30759	0.32312	0.010	5.0	50.0	
	47 2-Chloroethyl vinyl ether	0.14923	0.13951	0.010	-6.5	50.0	
	48 cis-1,3-Dichloropropene	0.39422	0.37962	0.010	-3.7	50.0	
	49 4-Methyl-2-pentanone	0.25818	0.22138	0.010	-14.3	50.0	
	50 Toluene	1.41268	1.43057	0.010	1.3	20.0	
	51 trans-1,3-Dichloropropene	0.45286	0.43896	0.010	-3.1	50.0	
	52 Ethyl Methacrylate	50.00000	42.80869	0.010	14.4	50.0	
	53 1,1,2-Trichloroethane	0.32308	0.30843	0.010	-4.5	50.0	
	54 1,3-Dichloropropane	0.58174	0.55069	0.010	-5.3	50.0	
	55 Tetrachloroethene	0.24309	0.23414	0.010	-3.7	50.0	
	56 2-Hexanone	0.26203	0.21879	0.010	-16.5	50.0	
	57 Dibromochloromethane	0.26315	0.30107	0.010	14.4	50.0	
	58 1,2-Dibromoethane	0.31333	0.30501	0.010	-2.7	50.0	
	59 Chlorobenzene	0.97885	0.92630	0.300	-5.4	50.0	
	60 1,1,1,2-Tetrachloroethane	0.29993	0.30018	0.010	0.1	50.0	
	61 Ethylbenzene	0.45359	0.44692	0.010	-1.5	20.0	
	62 m + p-Xylene	0.59296	0.60950	0.010	2.8	50.0	
M	63 Xylenes (total)	0.58522	0.59594	0.010	1.8	50.0	
	64 Xylene-o	0.56974	0.56882	0.010	-0.2	50.0	
	65 Styrene	50.00000	46.93004	0.010	6.1	50.0	
	66 Bromoform	0.17047	0.20414	0.100	19.8	50.0	
	67 Isopropylbenzene	50.00000	44.21779	0.010	11.6	50.0	
	68 1,1,2,2-Tetrachloroethane	0.84431	0.74833	0.300	-11.4	50.0	
	69 1,4-Dichloro-2-butene	0.23514	0.16258	0.010	-30.9	50.0	
	70 1,2,3-Trichloropropane	0.26521	0.24110	0.010	-9.1	50.0	
	71 Bromobenzene	0.72683	0.69694	0.010	-4.1	50.0	
	72 n-Propylbenzene	0.59854	0.62211	0.010	3.9	50.0	
	73 2-Chlorotoluene	0.62169	0.60918	0.010	-2.0	50.0	
	74 1,3,5-Trimethylbenzene	50.00000	45.66395	0.010	8.7	50.0	
	75 4-Chlorotoluene	0.69041	0.66550	0.010	-3.6	50.0	
	76 tert-Butylbenzene	1.51449	1.45633	0.010	-3.8	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23363.D
Report Date: 26-Aug-2004 15:17

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 25-AUG-2004 09:04
Lab File ID: UXJ23363.D Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Analysis Type: WATER Init. Cal. Times: 16:18 18:10
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825A.b\8260LLUX11.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	50.00000	45.60222	0.010	8.8	50.0
78 sec-Butylbenzene	2.11439	2.06395	0.010	-2.4	50.0
79 4-Isopropyltoluene	50.00000	44.78336	0.010	10.4	50.0
80 1,3-Dichlorobenzene	1.35912	1.23954	0.010	-8.8	50.0
81 1,4-Dichlorobenzene	1.45347	1.33257	0.010	-8.3	50.0
82 n-Butylbenzene	50.00000	41.03461	0.010	17.9	50.0
83 1,2-Dichlorobenzene	1.32086	1.24780	0.010	-5.5	50.0
84 1,2-Dibromo-3-chloropropane	0.12157	0.10229	0.010	-15.9	50.0
85 1,2,4-Trichlorobenzene	0.49471	0.34131	0.010	-31.0	50.0
86 Hexachlorobutadiene	0.24185	0.19138	0.010	-20.9	50.0
87 Naphthalene	50.00000	26.92596	0.010	46.1	50.0
88 1,2,3-Trichlorobenzene	0.32951	0.22691	0.010	-31.1	50.0
98 Cyclohexane	50.00000	46.93546	0.010	6.1	50.0
143 Methyl Acetate	0.21681	0.19264	0.010	-11.2	50.0
144 Methylcyclohexane	50.00000	46.67023	0.010	6.7	50.0
141 1,3,5-Trichlorobenzene	0.69260	0.57195	0.010	-17.4	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23363.D
Report Date: 25-Aug-2004 09:21

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ23363.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC

Injection Date: 25-AUG-2004 09:04
Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Init. Cal. Times: 16:18 18:10
Quant Type: ISTD

Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825A.b\8260LLUX11.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
$	4 Dibromofluoromethane	0.23531	0.24450	0.010	3.9	50.0
$	5 1,2-Dichloroethane-d4	0.31163	0.32395	0.010	4.0	50.0
$	6 Toluene-d8	1.19792	1.24691	0.010	4.1	50.0
$	7 Bromofluorobenzene	0.50768	0.51388	0.010	1.2	50.0
	8 Dichlorodifluoromethane	50.00000	58.42885	0.010	-16.9	50.0
	9 Chloromethane	50.00000	44.72954	0.100	10.5	50.0
	10 Vinyl Chloride	0.21052	0.21727	0.010	3.2	20.0
	11 Bromomethane	50.00000	63.86232	0.010	-27.7	50.0
	12 Chloroethane	0.16544	0.20962	0.010	26.7	50.0
	13 Trichlorofluoromethane	50.00000	53.02162	0.010	-6.0	50.0
	15 Acrolein	0.04499	0.03718	0.010	-17.4	50.0
	16 Acetone	100	78.94780	0.010	21.1	50.0
	17 1,1-Dichloroethene	0.23389	0.22622	0.010	-3.3	20.0
	18 Freon-113	0.14726	0.15163	0.010	3.0	50.0
	19 Iodomethane	0.23557	0.24941	0.010	5.9	50.0
	20 Carbon Disulfide	0.76841	0.80514	0.010	4.8	50.0
	21 Methylene Chloride	50.00000	50.16019	0.010	-0.3	50.0
	22 Acetonitrile	0.03773	0.03387	0.010	-10.2	50.0
	23 Acrylonitrile	0.11292	0.10470	0.010	-7.3	50.0
	24 Methyl tert-butyl ether	0.57929	0.54435	0.010	-6.0	50.0
	25 trans-1,2-Dichloroethene	0.25644	0.25419	0.010	-0.9	50.0
	26 Hexane	0.04333	0.04047	0.010	-6.6	20.0
	27 Vinyl acetate	0.47214	0.41615	0.010	-11.9	50.0
	28 1,1-Dichloroethane	0.45713	0.44271	0.100	-3.2	50.0
	29 tert-Butyl Alcohol	0.02317	0.01549	0.010	-33.2	50.0
	30 2-Butanone	0.15019	0.12207	0.010	-18.7	50.0
M	31 1,2-Dichloroethene (total)	0.26241	0.25587	0.010	-2.5	50.0
	32 cis-1,2-dichloroethene	0.26837	0.25754	0.010	-4.0	50.0
	33 2,2-Dichloropropane	0.16789	0.17930	0.010	6.8	50.0
	34 Bromochloromethane	0.13642	0.12866	0.010	-5.7	50.0
	35 Chloroform	0.45771	0.44399	0.010	-3.0	20.0
	36 Tetrahydrofuran	0.08191	0.06715	0.010	-18.0	50.0
	37 1,1,1-Trichloroethane	0.26438	0.28358	0.010	7.3	50.0
	38 1,1-Dichloropropene	0.30459	0.30507	0.010	0.2	50.0
	39 Carbon Tetrachloride	0.19341	0.22310	0.010	15.4	50.0
	40 1,2-Dichloroethane	0.36488	0.36310	0.010	-0.5	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23363.D
Report Date: 25-Aug-2004 09:21

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ23363.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC

Injection Date: 25-AUG-2004 09:04
Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Init. Cal. Times: 16:18 18:10
Quant Type: ISTD

Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825A.b\8260LLUX11.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	1.12544	1.08045	0.010	-4.0	50.0	
	42 Trichloroethene	0.24970	0.23959	0.010	-4.0	50.0	
	43 1,2-Dichloropropane	0.27405	0.26848	0.010	-2.0	20.0	
	44 1,4-Dioxane	0.00320	0.00258	0.010	-19.2	50.0	<-
	45 Dibromomethane	0.16601	0.15831	0.010	-4.6	50.0	
	46 Bromodichloromethane	0.30759	0.32312	0.010	5.0	50.0	
	47 2-Chloroethyl vinyl ether	0.14923	0.13951	0.010	-6.5	50.0	
	48 cis-1,3-Dichloropropene	0.39422	0.37962	0.010	-3.7	50.0	
	49 4-Methyl-2-pentanone	0.25818	0.22138	0.010	-14.3	50.0	
	50 Toluene	1.41268	1.43057	0.010	1.3	20.0	
	51 trans-1,3-Dichloropropene	0.45286	0.43896	0.010	-3.1	50.0	
	52 Ethyl Methacrylate	50.00000	42.80869	0.010	14.4	50.0	
	53 1,1,2-Trichloroethane	0.32308	0.30843	0.010	-4.5	50.0	
	54 1,3-Dichloropropane	0.58174	0.55069	0.010	-5.3	50.0	
	55 Tetrachloroethene	0.24309	0.23414	0.010	-3.7	50.0	
	56 2-Hexanone	0.26203	0.21879	0.010	-16.5	50.0	
	57 Dibromochloromethane	0.26315	0.30107	0.010	14.4	50.0	
	58 1,2-Dibromoethane	0.31333	0.30501	0.010	-2.7	50.0	
	59 Chlorobenzene	0.97885	0.92630	0.300	-5.4	50.0	
	60 1,1,1,2-Tetrachloroethane	0.29993	0.30018	0.010	0.1	50.0	
	61 Ethylbenzene	0.45359	0.44692	0.010	-1.5	20.0	
	62 m + p-Xylene	0.59296	0.60950	0.010	2.8	50.0	
M	63 Xylenes (total)	0.58522	0.59594	0.010	1.8	50.0	
	64 Xylene-o	0.56974	0.56882	0.010	-0.2	50.0	
	65 Styrene	50.00000	46.93004	0.010	6.1	50.0	
	66 Bromoform	50.00000	57.98529	0.100	-16.0	50.0	
	67 Isopropylbenzene	50.00000	44.21779	0.010	11.6	50.0	
	68 1,1,2,2-Tetrachloroethane	0.84431	0.74833	0.300	-11.4	50.0	
	69 1,4-Dichloro-2-butene	0.23514	0.16258	0.010	-30.9	50.0	
	70 1,2,3-Trichloropropane	0.26521	0.24110	0.010	-9.1	50.0	
	71 Bromobenzene	0.72683	0.69694	0.010	-4.1	50.0	
	72 n-Propylbenzene	0.59854	0.62211	0.010	3.9	50.0	
	73 2-Chlorotoluene	0.62169	0.60918	0.010	-2.0	50.0	
	74 1,3,5-Trimethylbenzene	50.00000	45.66395	0.010	8.7	50.0	
	75 4-Chlorotoluene	0.69041	0.66550	0.010	-3.6	50.0	
	76 tert-Butylbenzene	1.51449	1.45633	0.010	-3.8	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23363.D
Report Date: 25-Aug-2004 09:21

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 25-AUG-2004 09:04
Lab File ID: UXJ23363.D Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Analysis Type: WATER Init. Cal. Times: 16:18 18:10
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825A.b\8260LLUX11.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	50.00000	45.60222	0.010	8.8	50.0
78 sec-Butylbenzene	2.11439	2.06395	0.010	-2.4	50.0
79 4-Isopropyltoluene	50.00000	44.78336	0.010	10.4	50.0
80 1,3-Dichlorobenzene	1.35912	1.23954	0.010	-8.8	50.0
81 1,4-Dichlorobenzene	1.45347	1.33257	0.010	-8.3	50.0
82 n-Butylbenzene	50.00000	41.03461	0.010	17.9	50.0
83 1,2-Dichlorobenzene	1.32086	1.24780	0.010	-5.5	50.0
84 1,2-Dibromo-3-chloropropane	0.12157	0.10229	0.010	-15.9	50.0
85 1,2,4-Trichlorobenzene	0.49471	0.34131	0.010	-31.0	50.0
86 Hexachlorobutadiene	0.24185	0.19138	0.010	-20.9	50.0
87 Naphthalene	50.00000	26.92596	0.010	46.1	50.0
88 1,2,3-Trichlorobenzene	0.32951	0.22691	0.010	-31.1	50.0
98 Cyclohexane	50.00000	46.93546	0.010	6.1	50.0
143 Methyl Acetate	0.21681	0.19264	0.010	-11.2	50.0
144 Methylcyclohexane	50.00000	46.67023	0.010	6.7	50.0
141 1,3,5-Trichlorobenzene	0.69260	0.57195	0.010	-17.4	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.D/UXJ23363.D
Report Date: 08/25/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ23363.D
Analysis Type: WATER

Injection Date: 25-AUG-2004 09:04
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825A

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	47.3159	5.4	50.0
0 Bromodichloromethane	50.0000	52.5245	5.0	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	44.3157	11.4	50.0
0 Bromoform	50.0000	57.9853	16.0	50.0
0 Styrene	50.0000	46.9300	6.1	50.0
0 Xylene-o	50.0000	49.9194	0.2	50.0
0 Xylenes (total)	150.0000	152.7075	1.8	50.0
0 2-Hexanone	100.0000	83.4972	16.5	50.0
0 Chloromethane	50.0000	44.7295	10.5	50.0
0 Vinyl Chloride	50.0000	51.6035	3.2	20.0
0 Bromomethane	50.0000	63.8623	27.7	50.0
0 Chloroethane	50.0000	63.3524	26.7	50.0
0 1,1-Dichloroethane	50.0000	48.4225	3.2	50.0
0 Tetrachloroethene	50.0000	48.1606	3.7	50.0
0 Acetone	100.0000	78.9478	21.1	50.0
0 1,1-Dichloroethene	50.0000	48.3607	3.3	20.0
0 m + p-Xylene	100.0000	102.7882	2.8	50.0
0 Ethylbenzene	50.0000	49.2648	1.5	20.0
0 Carbon Disulfide	50.0000	52.3905	4.8	50.0
0 Methylene Chloride	50.0000	50.1602	0.3	50.0
0 1,2-Dichloropropane	50.0000	48.9830	2.0	20.0
0 1,1,2-Trichloroethane	50.0000	47.7334	4.5	50.0
0 Dibromochloromethane	50.0000	57.2052	14.4	50.0
0 trans-1,2-Dichloroethene	50.0000	49.5607	0.9	50.0
0 trans-1,3-Dichloropropene	50.0000	48.4645	3.1	50.0
0 cis-1,3-Dichloropropene	50.0000	48.1480	3.7	50.0
0 Chloroform	50.0000	48.5015	3.0	20.0
0 Toluene	50.0000	50.6332	1.3	20.0
0 2-Butanone	100.0000	81.2795	18.7	50.0
0 1,2-Dichloroethene (total)	100.0000	97.5439	2.5	50.0
0 cis-1,2-dichloroethene	50.0000	47.9832	4.0	50.0
0 4-Methyl-2-pentanone	100.0000	85.7481	14.3	50.0
0 1,2-Dichloroethane	50.0000	49.7560	0.5	50.0
0 Trichloroethene	50.0000	47.9757	4.0	50.0
0 1,1,1-Trichloroethane	50.0000	53.6324	7.3	50.0
0 Carbon Tetrachloride	50.0000	57.6762	15.4	50.0
0 Benzene	50.0000	48.0011	4.0	50.0
38 Dichlorodifluoromethane	50.0000	58.4288	16.9	50.0
39 Trichlorofluoromethane	50.0000	53.0216	6.0	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\040825A.D/UXJ23363.D
Report Date: 08/25/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ23363.D
Analysis Type: WATER

Injection Date: 25-AUG-2004 09:04
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	413.1166	17.4	50.0
41 Acrylonitrile	500.0000	463.5989	7.3	50.0
42 Vinyl acetate	50.0000	44.0713	11.9	50.0
43 2-Chloroethyl vinyl ether	100.0000	93.4859	6.5	50.0
47 Freon-113	50.0000	51.4844	3.0	50.0
48 1,3-Dichlorobenzene	50.0000	45.6009	8.8	50.0
49 1,4-Dichlorobenzene	50.0000	45.8411	8.3	50.0
50 1,2-Dichlorobenzene	50.0000	47.2342	5.5	50.0
51 Acetonitrile	500.0000	448.8831	10.2	50.0
52 Iodomethane	50.0000	52.9377	5.9	50.0
59 1,4-Dioxane	2500.0000	2019.9877	19.2	50.0
60 Dibromomethane	50.0000	47.6801	4.6	50.0
62 Ethyl Methacrylate	50.0000	42.8087	14.4	50.0
63 1,2-Dibromoethane	50.0000	48.6720	2.7	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	50.0424	0.1	50.0
65 1,2,3-Trichloropropane	50.0000	45.4551	9.1	50.0
66 1,4-Dichloro-2-butene	50.0000	34.5721	30.9	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	42.0690	15.9	50.0
82 Methyl tert-butyl ether	50.0000	46.9840	6.0	50.0
84 Tetrahydrofuran	50.0000	40.9925	18.0	50.0
98 2,2-Dichloropropane	50.0000	53.3980	6.8	50.0
99 1,1-Dichloropropene	50.0000	50.0784	0.2	50.0
100 1,3-Dichloropropane	50.0000	47.3307	5.3	50.0
102 Bromobenzene	50.0000	47.9439	4.1	50.0
103 2-Chlorotoluene	50.0000	48.9932	2.0	50.0
104 n-Propylbenzene	50.0000	51.9689	3.9	50.0
105 4-Chlorotoluene	50.0000	48.1960	3.6	50.0
106 1,3,5-Trimethylbenzene	50.0000	45.6639	8.7	50.0
107 tert-Butylbenzene	50.0000	48.0799	3.8	50.0
108 1,2,4-Trimethylbenzene	50.0000	45.6022	8.8	50.0
109 sec-Butylbenzene	50.0000	48.8072	2.4	50.0
110 4-Isopropyltoluene	50.0000	44.7834	10.4	50.0
111 n-Butylbenzene	50.0000	41.0346	17.9	50.0
112 1,2,4-Trichlorobenzene	50.0000	34.4964	31.0	50.0
113 Naphthalene	50.0000	26.9260	46.1	50.0
114 Hexachlorobutadiene	50.0000	39.5670	20.9	50.0
115 1,2,3-Trichlorobenzene	50.0000	34.4314	31.1	50.0
124 tert-Butyl Alcohol	1000.0000	668.3390	33.2	50.0

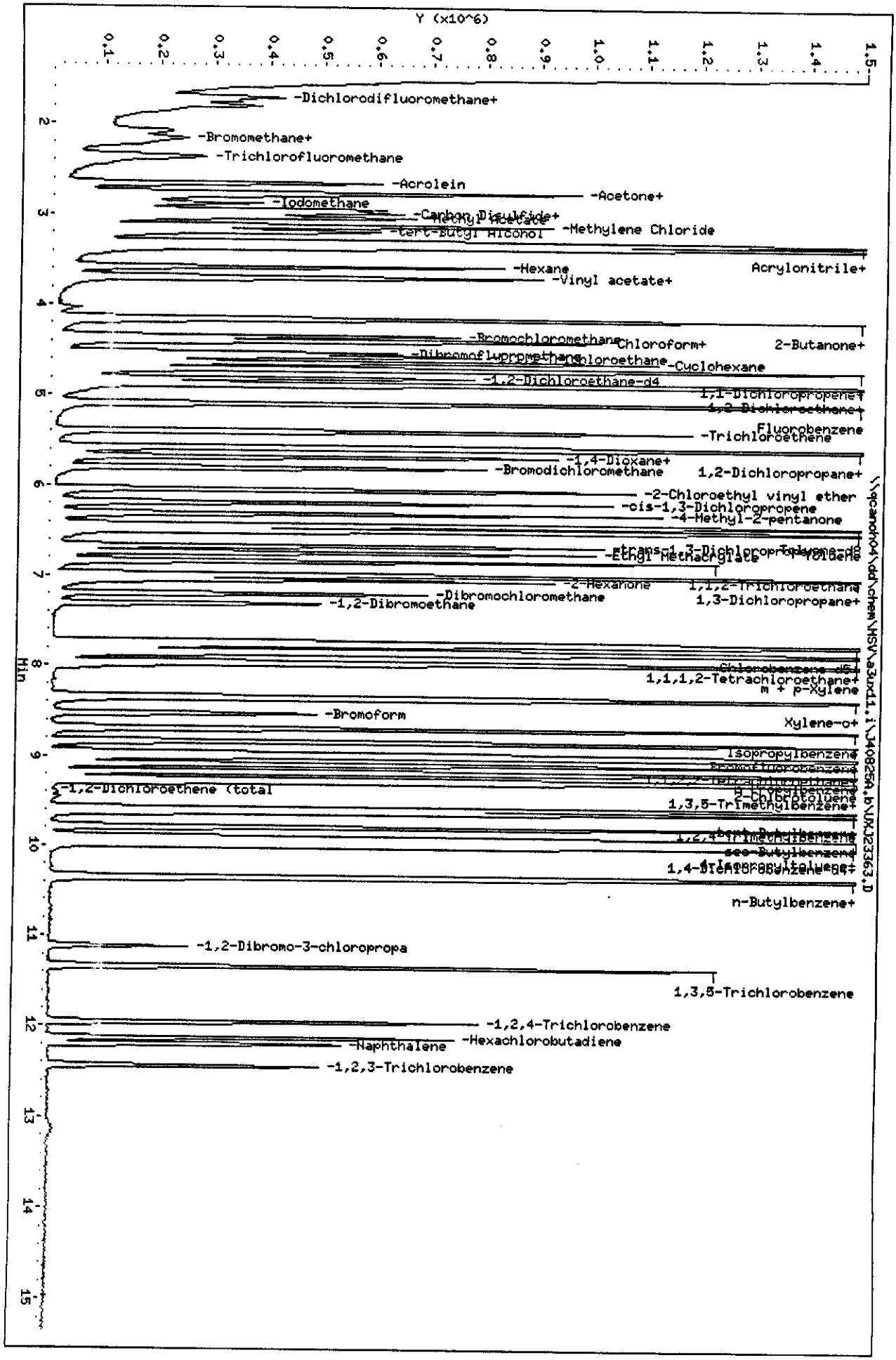
Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\040825A.D\
Report Date: 08/25/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ23363.D
Analysis Type: WATER

Injection Date: 25-AUG-2004 09:04
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	46.7041	6.6	20.0
127 Cyclohexane	50.0000	46.9355	6.1	50.0
128 Isopropylbenzene	50.0000	44.2178	11.6	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
133 Bromochloromethane	50.0000	47.1544	5.7	50.0
141 1,3,5-Trichlorobenzene	50.0000	41.2896	17.4	50.0
143 Methyl Acetate	100.0000	88.8495	11.2	50.0
144 Methylcyclohexane	50.0000	46.6702	6.7	50.0
22 Toluene-d8	50.0000	52.0447	4.1	50.0
32 Bromofluorobenzene	50.0000	50.6109	1.2	50.0
47 1,2-Dichloroethane-d4	50.0000	51.9762	4.0	50.0
131 Dibromofluoromethane	50.0000	51.9529	3.9	50.0


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J408250.b\UXJ23363.D
Date : 25-AUG-2004 09:04
Client ID:
Sample Info: 50NC-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methyl Acetate
-tert-Butyl Alcohol
-Methylene Chloride
-Hexane
Acrylonitrile+
-Vinyl acetate+
-Bromochloromethane
Chloroform+
2-Butanone+
-Dibromofluoromethane
-Chloroethane
-Cyclohexane
-1,2-Dichloroethane-d4
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
-Toluene-d8
-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
-1,2-Dichloroethene (total
-Bromobenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux11.i\J408250.b\UXJ23363.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23363.D
Report Date: 26-Aug-2004 08:38

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23363.D
Lab Smp Id: 50NG-CC
Inj Date : 25-AUG-2004 09:04
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-CC
Misc Info : J40825A,8260LLUX11,2-8260.SUB,43582,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825A.b\8260LLUX11.m
Meth Date : 26-Aug-2004 08:38 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 3 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	5.088	5.088	(1.000)	1863128	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1453548	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	848687	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	455529	50.0000	51.953
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	603551	50.0000	51.976
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	1812438	50.0000	52.045
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	746954	50.0000	50.611
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	428810	50.0000	58.429
9 Chloromethane	50	1.704	1.704	(0.335)	644052	50.0000	44.730
10 Vinyl Chloride	62	1.787	1.787	(0.351)	404797	50.0000	51.604
11 Bromomethane	94	2.083	2.083	(0.409)	219898	50.0000	63.862
12 Chloroethane	64	2.165	2.165	(0.426)	390553	50.0000	63.352
13 Trichlorofluoromethane	101	2.343	2.343	(0.461)	470929	50.0000	53.022
15 Acrolein	56	2.651	2.651	(0.521)	692626	500.000	413.12
16 Acetone	43	2.769	2.769	(0.544)	411914	100.000	78.948
17 1,1-Dichloroethene	96	2.757	2.757	(0.542)	421476	50.0000	48.361
18 Freon-113	151	2.769	2.769	(0.544)	282505	50.0000	51.484

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23363.D
Report Date: 26-Aug-2004 08:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.875	2.875	(0.565)	464691	50.0000	52.938
	20 Carbon Disulfide	76	2.946	2.946	(0.579)	1500085	50.0000	52.390
	21 Methylene Chloride	84	3.124	3.124	(0.614)	650292	50.0000	50.160
	22 Acetonitrile	41	2.982	2.982	(0.586)	631050	500.000	448.88
	23 Acrylonitrile	53	3.301	3.301	(0.649)	1950711	500.000	463.60
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	1014190	50.0000	46.984
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	473590	50.0000	49.561
	26 Hexane	86	3.574	3.574	(0.702)	75406	50.0000	46.704
	27 Vinyl acetate	43	3.704	3.704	(0.728)	775349	50.0000	44.071
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	824820	50.0000	48.422
	29 tert-Butyl Alcohol	59	3.195	3.195	(0.628)	577127	1000.00	668.34
	30 2-Butanone	43	4.142	4.142	(0.814)	454881	100.000	81.280
M	31 1,2-Dichloroethene (total)	96				953427	100.000	97.544
	32 cis-1,2-dichloroethene	96	4.153	4.153	(0.816)	479837	50.0000	47.983
	33 2,2-Dichloropropane	77	4.153	4.153	(0.816)	334056	50.0000	53.398
	34 Bromochloromethane	128	4.343	4.343	(0.854)	239705	50.0000	47.154
	35 Chloroform	83	4.402	4.402	(0.865)	827217	50.0000	48.501
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	125115	50.0000	40.992
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	528354	50.0000	53.632
	38 1,1-Dichloropropene	75	4.698	4.698	(0.923)	568389	50.0000	50.078
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	415668	50.0000	57.676
	40 1,2-Dichloroethane	62	4.863	4.863	(0.956)	676500	50.0000	49.756
	41 Benzene	78	4.863	4.863	(0.956)	2013011	50.0000	48.001
	42 Trichloroethene	130	5.396	5.396	(1.060)	446382	50.0000	47.976
	43 1,2-Dichloropropane	63	5.573	5.573	(1.095)	500207	50.0000	48.983
	44 1,4-Dioxane	88	5.680	5.680	(1.116)	240636	2500.00	2020.0(A)
	45 Dibromomethane	93	5.680	5.680	(1.116)	294948	50.0000	47.680
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	602021	50.0000	52.524
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	519849	100.000	93.486
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	707282	50.0000	48.148
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	824923	100.000	85.748
	50 Toluene	91	6.484	6.484	(0.838)	2079405	50.0000	50.633
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.861)	638045	50.0000	48.464
	52 Ethyl Methacrylate	69	6.733	6.733	(0.870)	576550	50.0000	42.809
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.882)	448317	50.0000	47.733
	54 1,3-Dichloropropane	76	6.981	6.981	(0.902)	800450	50.0000	47.331
	55 Tetrachloroethene	164	6.993	6.993	(0.904)	340339	50.0000	48.160
	56 2-Hexanone	43	7.041	7.041	(0.910)	636042	100.000	83.497
	57 Dibromochloromethane	129	7.194	7.194	(0.930)	437621	50.0000	57.205
	58 1,2-Dibromoethane	107	7.301	7.301	(0.943)	443340	50.0000	48.672
	59 Chlorobenzene	112	7.762	7.762	(1.003)	1346421	50.0000	47.316
	60 1,1,1,2-Tetrachloroethane	131	7.833	7.833	(1.012)	436333	50.0000	50.042
	61 Ethylbenzene	106	7.857	7.857	(1.015)	649621	50.0000	49.265
	62 m + p-Xylene	106	7.964	7.964	(1.029)	1771862	100.000	102.79
M	63 Xylenes (total)	106				2598666	150.000	152.71
	64 Xylene-o	106	8.342	8.342	(1.078)	826804	50.0000	49.919
	65 Styrene	104	8.354	8.354	(1.080)	1543603	50.0000	46.930

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23363.D
Report Date: 26-Aug-2004 08:38

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.532	8.532	(1.102)	296734	50.0000	57.985
67 Isopropylbenzene	105	8.685	8.685	(1.122)	1721067	50.0000	44.218
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	635095	50.0000	44.316
69 1,4-Dichloro-2-butene	53	9.017	9.017	(0.905)	137982	50.0000	34.572
70 1,2,3-Trichloropropane	110	9.005	9.005	(0.904)	204620	50.0000	45.455
71 Bromobenzene	156	8.993	8.993	(0.903)	591483	50.0000	47.944
72 n-Propylbenzene	120	9.088	9.088	(0.912)	527975	50.0000	51.969
73 2-Chlorotoluene	126	9.171	9.171	(0.920)	517000	50.0000	48.993
74 1,3,5-Trimethylbenzene	105	9.253	9.253	(0.929)	1674993	50.0000	45.664
75 4-Chlorotoluene	126	9.277	9.277	(0.931)	564800	50.0000	48.196
76 tert-Butylbenzene	119	9.573	9.573	(0.961)	1235972	50.0000	48.080
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	1802486	50.0000	45.602
78 sec-Butylbenzene	105	9.786	9.786	(0.982)	1751647	50.0000	48.807
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	1516346	50.0000	44.783
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	1051979	50.0000	45.601
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	1130935	50.0000	45.841
82 n-Butylbenzene	91	10.330	10.330	(1.037)	1213524	50.0000	41.035
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	1058992	50.0000	47.234
84 1,2-Dibromo-3-chloropropane	157	11.123	11.123	(1.116)	86809	50.0000	42.069
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	289669	50.0000	34.496
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	162425	50.0000	39.567
87 Naphthalene	128	12.200	12.200	(1.224)	540339	50.0000	26.926
88 1,2,3-Trichlorobenzene	180	12.436	12.436	(1.248)	192576	50.0000	34.431
98 Cyclohexane	56	4.627	4.627	(0.909)	611074	50.0000	46.935
143 Methyl Acetate	43	3.029	3.029	(0.595)	717808	100.000	88.849
144 Methylcyclohexane	83	5.573	5.573	(1.095)	498015	50.0000	46.670
141 1,3,5-Trichlorobenzene	180	11.336	11.336	(1.138)	485403	50.0000	41.290

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23362.D
Report Date: 25-Aug-2004 09:19

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 25-AUG-2004 08:41
Lab File ID: UXJ23362.D Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Analysis Type: WATER Init. Cal. Times: 16:18 18:10
Lab Sample ID: 50NG-A9CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\8260LLUX11.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
14 Dichlorofluoromethane	0.48495	0.54230	0.010	11.8	50.0	
89 Ethyl Ether	0.24654	0.24283	0.010	-1.5	50.0	
91 3-Chloropropene	0.10305	0.14360	0.010	39.3	50.0	
92 Isopropyl Ether	0.22353	0.24022	0.010	7.5	50.0	
93 2-Chloro-1,3-butadiene	0.37276	0.39944	0.010	7.2	50.0	
94 Propionitrile	0.04231	0.03990	0.010	-5.7	50.0	
95 Ethyl Acetate	0.24508	0.24119	0.010	-1.6	50.0	
96 Methacrylonitrile	0.15890	0.16654	0.010	4.8	50.0	
97 Isobutanol	0.01142	0.00944	0.010	-17.3	50.0	<-
99 n-Butanol	0.00822	0.00737	0.010	-10.3	50.0	<-
100 Methyl Methacrylate	0.19531	0.18953	0.010	-3.0	50.0	
101 2-Nitropropane	0.06079	0.05745	0.010	-5.5	50.0	
103 Cyclohexanone	0.02717	0.04083	0.010	50.3	50.0	<-

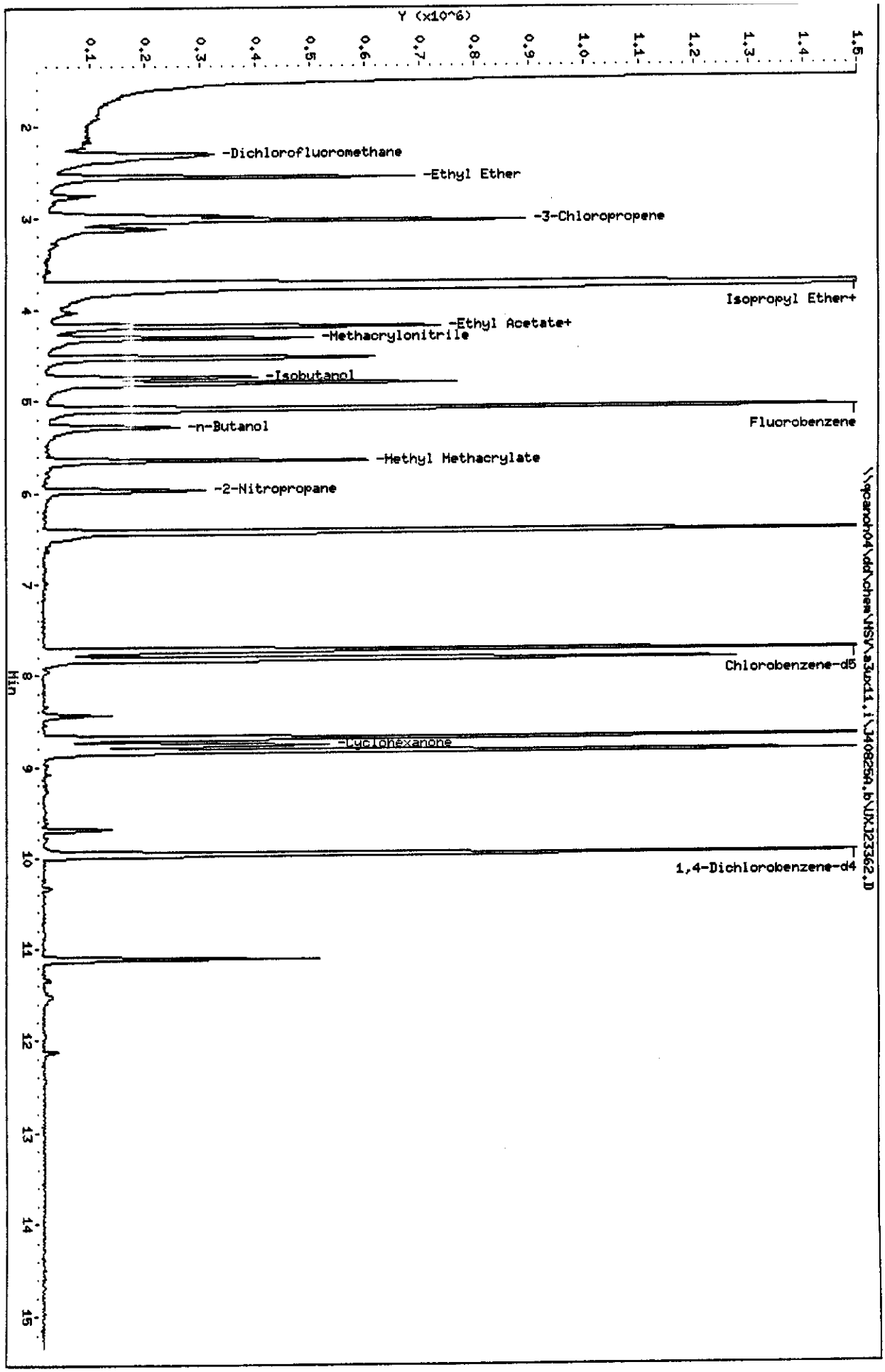
Data File: \\qcanon04\dd\chem\MSV\a3ux11.i\J40825A.D/UXJ23362.D
Report Date: 08/25/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ23362.D
Analysis Type: WATER

Injection Date: 25-AUG-2004 08:41
Lab Sample ID: 50NG-A9CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
53 3-Chloropropene	50.0000	69.6739	39.3	50.0	
54 2-Chloro-1,3-butadiene	50.0000	53.5799	7.2	50.0	
55 Propionitrile	100.0000	94.3097	5.7	50.0	
56 Methacrylonitrile	50.0000	52.4053	4.8	50.0	
57 Isobutanol	1000.0000	826.6171	17.3	50.0	
58 Methyl Methacrylate	50.0000	48.5198	3.0	50.0	
73 n-Butanol	1000.0000	896.6063	10.3	50.0	
74 Ethyl Acetate	100.0000	98.4125	1.6	50.0	
75 Cyclohexanone	500.0000	751.3897	50.3	50.0	<-
76 Ethyl Ether	50.0000	49.2477	1.5	50.0	
85 Dichlorofluoromethane	50.0000	55.9136	11.8	50.0	
86 2-Nitropropane	100.0000	94.4945	5.5	50.0	
126 Isopropyl Ether	250.0000	268.6655	7.5	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	


Data File: \\qcanch04\dd\chem\HSV\a3ux11.i\J408256.b\UXJ23362.D
Date : 25-AUG-2004 08:41
Client ID:
Sample Info: 50NG-A9CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43562
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Ethyl Acetate+
-Methacrylonitrile
-Isobutanol
Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
Min
2
3
4
5
6
7
8
9
10
11
12
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14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23362.D
Report Date: 25-Aug-2004 09:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23362.D
Lab Smp Id: 50NG-A9CC
Inj Date : 25-AUG-2004 08:41
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-A9CC
Misc Info : J40825A,8260LLUX11,3-IX.SUB,43582,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\8260LLUX11.m
Meth Date : 25-Aug-2004 09:20 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.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	5.088	5.088	(1.000)	1819237	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1354316	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.964	9.964	(1.000)	658820	50.0000	
14 Dichlorofluoromethane	67	2.308	2.308	(0.454)	986581	50.0000	55.914
89 Ethyl Ether	59	2.556	2.556	(0.502)	441772	50.0000	49.248(H)
91 3-Chloropropene	76	3.029	3.029	(0.595)	261239	50.0000	69.674
92 Isopropyl Ether	87	3.728	3.728	(0.733)	2185094	250.000	268.66(A)
93 2-Chloro-1,3-butadiene	53	3.763	3.763	(0.740)	726685	50.0000	53.580(H)
94 Propionitrile	54	4.177	4.177	(0.821)	145178	100.000	94.310(H)
95 Ethyl Acetate	43	4.189	4.189	(0.823)	877570	100.000	98.412
96 Methacrylonitrile	41	4.307	4.307	(0.847)	302977	50.0000	52.405
97 Isobutanol	41	4.745	4.745	(0.613)	255655	1000.00	826.62(A)
99 n-Butanol	56	5.290	5.290	(0.684)	199584	1000.00	896.61(A)
100 Methyl Methacrylate	41	5.644	5.644	(1.109)	344792	50.0000	48.520(H)
101 2-Nitropropane	41	5.976	5.976	(1.174)	209022	100.000	94.494(H)
103 Cyclohexanone	55	8.768	8.768	(0.880)	269025	500.000	751.39(AH)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23362.D
Report Date: 25-Aug-2004 09:20

QC Flag Legend

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

Report Date: 26-Aug-2004 10:14

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m
Start Cal Date: 16-AUG-2004 16:18
End Cal Date : 23-AUG-2004 18:10
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
23-AUG-2004 18:10	2-8260	UXJ23279.D
16-AUG-2004 18:11	3-IX	UXJ23214.D
Cal Level: 2 , Cal Amount: 10.000		
23-AUG-2004 17:47	2-8260	UXJ23278.D
16-AUG-2004 17:48	3-IX	UXJ23213.D
Cal Level: 3 , Cal Amount: 25.000		
23-AUG-2004 17:24	2-8260	UXJ23277.D
16-AUG-2004 17:26	3-IX	UXJ23212.D
Cal Level: 4 , Cal Amount: 50.000		
23-AUG-2004 17:02	2-8260	UXJ23276.D
16-AUG-2004 17:03	3-IX	UXJ23211.D
Cal Level: 5 , Cal Amount: 100.00		
23-AUG-2004 16:39	2-8260	UXJ23275.D
16-AUG-2004 16:40	3-IX	UXJ23210.D
Cal Level: 6 , Cal Amount: 200.00		
23-AUG-2004 16:17	2-8260	UXJ23274.D
16-AUG-2004 16:18	3-IX	UXJ23209.D

Continuing Calibration

25-AUG-2004 21:39	2-8260	UXJ23394.D
25-AUG-2004 20:40	3-IX	UXJ23392.D
~~25-AUG-2004 20:17~~	~~2-8260~~	~~UXJ23391.D~~ 8/26/04

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23394.D
Report Date: 26-Aug-2004 15:21

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ23394.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m

Injection Date: 25-AUG-2004 21:39
Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Init. Cal. Times: 16:18 18:10
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
$	4 Dibromofluoromethane	0.23531	0.24018	0.010	2.1	50.0
$	5 1,2-Dichloroethane-d4	0.31163	0.31652	0.010	1.6	50.0
$	6 Toluene-d8	1.19792	1.29242	0.010	7.9	50.0
$	7 Bromofluorobenzene	0.50768	0.51244	0.010	0.9	50.0
	8 Dichlorodifluoromethane	50.00000	42.75549	0.010	14.5	50.0
	9 Chloromethane	0.42224	0.27925	0.100	-33.9	50.0
	10 Vinyl Chloride	0.21052	0.21134	0.010	0.4	20.0
	11 Bromomethane	50.00000	53.60905	0.010	-7.2	50.0
	12 Chloroethane	0.16544	0.17192	0.010	3.9	50.0
	13 Trichlorofluoromethane	50.00000	45.22285	0.010	9.6	50.0
	15 Acrolein	0.04499	0.04767	0.010	5.9	50.0
	16 Acetone	100	97.23573	0.010	2.8	50.0
	17 1,1-Dichloroethene	0.23389	0.24304	0.010	3.9	20.0
	18 Freon-113	0.14726	0.14489	0.010	-1.6	50.0
	19 Iodomethane	0.23557	0.28497	0.010	21.0	50.0
	20 Carbon Disulfide	0.76841	0.91886	0.010	19.6	50.0
	21 Methylene Chloride	50.00000	46.12789	0.010	7.7	50.0
	22 Acetonitrile	0.03773	0.03755	0.010	-0.5	50.0
	23 Acrylonitrile	0.11292	0.10908	0.010	-3.4	50.0
	24 Methyl tert-butyl ether	0.57929	0.60756	0.010	4.9	50.0
	25 trans-1,2-Dichloroethene	0.25644	0.27575	0.010	7.5	50.0
	26 Hexane	0.04333	0.03955	0.010	-8.7	20.0
	27 Vinyl acetate	0.47214	0.47145	0.010	-0.1	50.0
	28 1,1-Dichloroethane	0.45713	0.47946	0.100	4.9	50.0
	29 tert-Butyl Alcohol	0.02317	0.01651	0.010	-28.8	50.0
	30 2-Butanone	0.15019	0.14170	0.010	-5.7	50.0
M	31 1,2-Dichloroethene (total)	0.26241	0.27405	0.010	4.4	50.0
	32 cis-1,2-dichloroethene	0.26837	0.27234	0.010	1.5	50.0
	33 2,2-Dichloropropane	0.16789	0.19147	0.010	14.0	50.0
	34 Bromochloromethane	0.13642	0.13453	0.010	-1.4	50.0
	35 Chloroform	0.45771	0.48757	0.010	6.5	20.0
	36 Tetrahydrofuran	0.08191	0.07682	0.010	-6.2	50.0
	37 1,1,1-Trichloroethane	0.26438	0.30160	0.010	14.1	50.0
	38 1,1-Dichloropropene	0.30459	0.32102	0.010	5.4	50.0
	39 Carbon Tetrachloride	0.19341	0.22312	0.010	15.4	50.0
	40 1,2-Dichloroethane	0.36488	0.37832	0.010	3.7	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23394.D
Report Date: 26-Aug-2004 15:21

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ23394.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Injection Date: 25-AUG-2004 21:39
Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Init. Cal. Times: 16:18 18:10
Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	1.12544	1.16222	0.010	3.3	50.0	
	42 Trichloroethene	0.24970	0.26582	0.010	6.5	50.0	
	43 1,2-Dichloropropane	0.27405	0.28137	0.010	2.7	20.0	
	44 1,4-Dioxane	0.00320	0.00242	0.010	-24.4	50.0	<-
	45 Dibromomethane	0.16601	0.16461	0.010	-0.8	50.0	
	46 Bromodichloromethane	0.30759	0.34911	0.010	13.5	50.0	
	47 2-Chloroethyl vinyl ether	0.14923	0.14759	0.010	-1.1	50.0	
	48 cis-1,3-Dichloropropene	0.39422	0.39952	0.010	1.3	50.0	
	49 4-Methyl-2-pentanone	0.25818	0.25164	0.010	-2.5	50.0	
	50 Toluene	1.41268	1.54687	0.010	9.5	20.0	
	51 trans-1,3-Dichloropropene	0.45286	0.47969	0.010	5.9	50.0	
	52 Ethyl Methacrylate	50.00000	47.11104	0.010	5.8	50.0	
	53 1,1,2-Trichloroethane	0.32308	0.33201	0.010	2.8	50.0	
	54 1,3-Dichloropropane	0.58174	0.60268	0.010	3.6	50.0	
	55 Tetrachloroethene	0.24309	0.25781	0.010	6.1	50.0	
	56 2-Hexanone	0.26203	0.25734	0.010	-1.8	50.0	
	57 Dibromochloromethane	0.26315	0.32168	0.010	22.2	50.0	
	58 1,2-Dibromoethane	0.31333	0.32099	0.010	2.4	50.0	
	59 Chlorobenzene	0.97885	1.00607	0.300	2.8	50.0	
	60 1,1,1,2-Tetrachloroethane	0.29993	0.32539	0.010	8.5	50.0	
	61 Ethylbenzene	0.45359	0.48935	0.010	7.9	20.0	
	62 m + p-Xylene	0.59296	0.65605	0.010	10.6	50.0	
M	63 Xylenes (total)	0.58522	0.64519	0.010	10.2	50.0	
	64 Xylene-o	0.56974	0.62348	0.010	9.4	50.0	
	65 Styrene	50.00000	50.08543	0.010	-0.2	50.0	
	66 Bromoform	0.17047	0.21719	0.100	27.4	50.0	
	67 Isopropylbenzene	50.00000	46.66720	0.010	6.7	50.0	
	68 1,1,2,2-Tetrachloroethane	0.84431	0.83025	0.300	-1.7	50.0	
	69 1,4-Dichloro-2-butene	0.23514	0.17898	0.010	-23.9	50.0	
	70 1,2,3-Trichloropropane	0.26521	0.26437	0.010	-0.3	50.0	
	71 Bromobenzene	0.72683	0.71844	0.010	-1.2	50.0	
	72 n-Propylbenzene	0.59854	0.64170	0.010	7.2	50.0	
	73 2-Chlorotoluene	0.62169	0.65239	0.010	4.9	50.0	
	74 1,3,5-Trimethylbenzene	50.00000	48.20431	0.010	3.6	50.0	
	75 4-Chlorotoluene	0.69041	0.71541	0.010	3.6	50.0	
	76 tert-Butylbenzene	1.51449	1.50227	0.010	-0.8	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23394.D
Report Date: 26-Aug-2004 15:21

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 25-AUG-2004 21:39
Lab File ID: UXJ23394.D Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Analysis Type: WATER Init. Cal. Times: 16:18 18:10
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	50.00000	47.78160	0.010	4.4	50.0
78 sec-Butylbenzene	2.11439	2.04065	0.010	-3.5	50.0
79 4-Isopropyltoluene	50.00000	44.41374	0.010	11.2	50.0
80 1,3-Dichlorobenzene	1.35912	1.32383	0.010	-2.6	50.0
81 1,4-Dichlorobenzene	1.45347	1.44274	0.010	-0.7	50.0
82 n-Butylbenzene	50.00000	40.27220	0.010	19.5	50.0
83 1,2-Dichlorobenzene	1.32086	1.33047	0.010	0.7	50.0
84 1,2-Dibromo-3-chloropropane	0.12157	0.11934	0.010	-1.8	50.0
85 1,2,4-Trichlorobenzene	0.49471	0.39957	0.010	-19.2	50.0
86 Hexachlorobutadiene	0.24185	0.17723	0.010	-26.7	50.0
87 Naphthalene	50.00000	33.83349	0.010	32.3	50.0
88 1,2,3-Trichlorobenzene	0.32951	0.26136	0.010	-20.7	50.0
98 Cyclohexane	50.00000	44.46128	0.010	11.1	50.0
143 Methyl Acetate	0.21681	0.20248	0.010	-6.6	50.0
144 Methylcyclohexane	50.00000	44.25613	0.010	11.5	50.0
141 1,3,5-Trichlorobenzene	0.69260	0.56810	0.010	-18.0	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23394.D
Report Date: 26-Aug-2004 07:24

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 25-AUG-2004 21:39
Lab File ID: UXJ23394.D Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Analysis Type: WATER Init. Cal. Times: 16:18 18:10
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
$	4 Dibromofluoromethane	0.23531	0.24018	0.010	2.1	50.0
$	5 1,2-Dichloroethane-d4	0.31163	0.31652	0.010	1.6	50.0
$	6 Toluene-d8	1.19792	1.29242	0.010	7.9	50.0
$	7 Bromofluorobenzene	0.50768	0.51244	0.010	0.9	50.0
	8 Dichlorodifluoromethane	50.00000	42.75549	0.010	14.5	50.0
	9 Chloromethane	50.00000	35.33741	0.100	29.3	50.0
	10 Vinyl Chloride	0.21052	0.21134	0.010	0.4	20.0
	11 Bromomethane	50.00000	53.60905	0.010	-7.2	50.0
	12 Chloroethane	0.16544	0.17192	0.010	3.9	50.0
	13 Trichlorofluoromethane	50.00000	45.22285	0.010	9.6	50.0
	15 Acrolein	0.04499	0.04767	0.010	5.9	50.0
	16 Acetone	100	97.23573	0.010	2.8	50.0
	17 1,1-Dichloroethene	0.23389	0.24304	0.010	3.9	20.0
	18 Freon-113	0.14726	0.14489	0.010	-1.6	50.0
	19 Iodomethane	0.23557	0.28497	0.010	21.0	50.0
	20 Carbon Disulfide	0.76841	0.91886	0.010	19.6	50.0
	21 Methylene Chloride	50.00000	46.12789	0.010	7.7	50.0
	22 Acetonitrile	0.03773	0.03755	0.010	-0.5	50.0
	23 Acrylonitrile	0.11292	0.10908	0.010	-3.4	50.0
	24 Methyl tert-butyl ether	0.57929	0.60756	0.010	4.9	50.0
	25 trans-1,2-Dichloroethene	0.25644	0.27575	0.010	7.5	50.0
	26 Hexane	0.04333	0.03955	0.010	-8.7	20.0
	27 Vinyl acetate	0.47214	0.47145	0.010	-0.1	50.0
	28 1,1-Dichloroethane	0.45713	0.47946	0.100	4.9	50.0
	29 tert-Butyl Alcohol	0.02317	0.01651	0.010	-28.8	50.0
	30 2-Butanone	0.15019	0.14170	0.010	-5.7	50.0
M	31 1,2-Dichloroethene (total)	0.26241	0.27405	0.010	4.4	50.0
	32 cis-1,2-dichloroethene	0.26837	0.27234	0.010	1.5	50.0
	33 2,2-Dichloropropane	0.16789	0.19147	0.010	14.0	50.0
	34 Bromochloromethane	0.13642	0.13453	0.010	-1.4	50.0
	35 Chloroform	0.45771	0.48757	0.010	6.5	20.0
	36 Tetrahydrofuran	0.08191	0.07682	0.010	-6.2	50.0
	37 1,1,1-Trichloroethane	0.26438	0.30160	0.010	14.1	50.0
	38 1,1-Dichloropropene	0.30459	0.32102	0.010	5.4	50.0
	39 Carbon Tetrachloride	0.19341	0.22312	0.010	15.4	50.0
	40 1,2-Dichloroethane	0.36488	0.37832	0.010	3.7	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23394.D
Report Date: 26-Aug-2004 07:24

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ23394.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m

Injection Date: 25-AUG-2004 21:39
Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Init. Cal. Times: 16:18 18:10
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	1.12544	1.16222	0.010	3.3	50.0	
	42 Trichloroethene	0.24970	0.26582	0.010	6.5	50.0	
	43 1,2-Dichloropropane	0.27405	0.28137	0.010	2.7	20.0	
	44 1,4-Dioxane	0.00320	0.00242	0.010	-24.4	50.0	<-
	45 Dibromomethane	0.16601	0.16461	0.010	-0.8	50.0	
	46 Bromodichloromethane	0.30759	0.34911	0.010	13.5	50.0	
	47 2-Chloroethyl vinyl ether	0.14923	0.14759	0.010	-1.1	50.0	
	48 cis-1,3-Dichloropropene	0.39422	0.39952	0.010	1.3	50.0	
	49 4-Methyl-2-pentanone	0.25818	0.25164	0.010	-2.5	50.0	
	50 Toluene	1.41268	1.54687	0.010	9.5	20.0	
	51 trans-1,3-Dichloropropene	0.45286	0.47969	0.010	5.9	50.0	
	52 Ethyl Methacrylate	50.00000	47.11104	0.010	5.8	50.0	
	53 1,1,2-Trichloroethane	0.32308	0.33201	0.010	2.8	50.0	
	54 1,3-Dichloropropane	0.58174	0.60268	0.010	3.6	50.0	
	55 Tetrachloroethene	0.24309	0.25781	0.010	6.1	50.0	
	56 2-Hexanone	0.26203	0.25734	0.010	-1.8	50.0	
	57 Dibromochloromethane	0.26315	0.32168	0.010	22.2	50.0	
	58 1,2-Dibromoethane	0.31333	0.32099	0.010	2.4	50.0	
	59 Chlorobenzene	0.97885	1.00607	0.300	2.8	50.0	
	60 1,1,1,2-Tetrachloroethane	0.29993	0.32539	0.010	8.5	50.0	
	61 Ethylbenzene	0.45359	0.48935	0.010	7.9	20.0	
	62 m + p-Xylene	0.59296	0.65605	0.010	10.6	50.0	
M	63 Xylenes (total)	0.58522	0.64519	0.010	10.2	50.0	
	64 Xylene-o	0.56974	0.62348	0.010	9.4	50.0	
	65 Styrene	50.00000	50.08543	0.010	-0.2	50.0	
	66 Bromoform	50.00000	61.35260	0.100	-22.7	50.0	
	67 Isopropylbenzene	50.00000	46.66720	0.010	6.7	50.0	
	68 1,1,2,2-Tetrachloroethane	0.84431	0.83025	0.300	-1.7	50.0	
	69 1,4-Dichloro-2-butene	0.23514	0.17898	0.010	-23.9	50.0	
	70 1,2,3-Trichloropropane	0.26521	0.26437	0.010	-0.3	50.0	
	71 Bromobenzene	0.72683	0.71844	0.010	-1.2	50.0	
	72 n-Propylbenzene	0.59854	0.64170	0.010	7.2	50.0	
	73 2-Chlorotoluene	0.62169	0.65239	0.010	4.9	50.0	
	74 1,3,5-Trimethylbenzene	50.00000	48.20431	0.010	3.6	50.0	
	75 4-Chlorotoluene	0.69041	0.71541	0.010	3.6	50.0	
	76 tert-Butylbenzene	1.51449	1.50227	0.010	-0.8	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23394.D
Report Date: 26-Aug-2004 07:24

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 25-AUG-2004 21:39
Lab File ID: UXJ23394.D Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Analysis Type: WATER Init. Cal. Times: 16:18 18:10
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	50.00000	47.78160	0.010	4.4	50.0
78 sec-Butylbenzene	2.11439	2.04065	0.010	-3.5	50.0
79 4-Isopropyltoluene	50.00000	44.41374	0.010	11.2	50.0
80 1,3-Dichlorobenzene	1.35912	1.32383	0.010	-2.6	50.0
81 1,4-Dichlorobenzene	1.45347	1.44274	0.010	-0.7	50.0
82 n-Butylbenzene	50.00000	40.27220	0.010	19.5	50.0
83 1,2-Dichlorobenzene	1.32086	1.33047	0.010	0.7	50.0
84 1,2-Dibromo-3-chloropropane	0.12157	0.11934	0.010	-1.8	50.0
85 1,2,4-Trichlorobenzene	0.49471	0.39957	0.010	-19.2	50.0
86 Hexachlorobutadiene	0.24185	0.17723	0.010	-26.7	50.0
87 Naphthalene	50.00000	33.83349	0.010	32.3	50.0
88 1,2,3-Trichlorobenzene	0.32951	0.26136	0.010	-20.7	50.0
98 Cyclohexane	50.00000	44.46128	0.010	11.1	50.0
143 Methyl Acetate	0.21681	0.20248	0.010	-6.6	50.0
144 Methylcyclohexane	50.00000	44.25613	0.010	11.5	50.0
141 1,3,5-Trichlorobenzene	0.69260	0.56810	0.010	-18.0	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.D/UXJ23394.D
Report Date: 08/26/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ23394.D
Analysis Type: WATER

Injection Date: 25-AUG-2004 21:39
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	51.3907	2.8	50.0
0 Bromodichloromethane	50.0000	56.7483	13.5	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	49.1673	1.7	50.0
0 Bromoform	50.0000	61.3526	22.7	50.0
0 Styrene	50.0000	50.0854	0.2	50.0
0 Xylene-o	50.0000	54.7164	9.4	50.0
0 Xylenes (total)	150.0000	165.3558	10.2	50.0
0 2-Hexanone	100.0000	98.2113	1.8	50.0
0 Chloromethane	50.0000	35.3374	29.3	50.0
0 Vinyl Chloride	50.0000	50.1958	0.4	20.0
0 Bromomethane	50.0000	53.6091	7.2	50.0
0 Chloroethane	50.0000	51.9572	3.9	50.0
0 1,1-Dichloroethane	50.0000	52.4426	4.9	50.0
0 Tetrachloroethene	50.0000	53.0280	6.1	50.0
0 Acetone	100.0000	97.2357	2.8	50.0
0 1,1-Dichloroethene	50.0000	51.9574	3.9	20.0
0 m + p-Xylene	100.0000	110.6394	10.6	50.0
0 Ethylbenzene	50.0000	53.9419	7.9	20.0
0 Carbon Disulfide	50.0000	59.7899	19.6	50.0
0 Methylene Chloride	50.0000	46.1279	7.7	50.0
0 1,2-Dichloropropane	50.0000	51.3360	2.7	20.0
0 1,1,2-Trichloroethane	50.0000	51.3824	2.8	50.0
0 Dibromochloromethane	50.0000	61.1217	22.2	50.0
0 trans-1,2-Dichloroethene	50.0000	53.7643	7.5	50.0
0 trans-1,3-Dichloropropene	50.0000	52.9618	5.9	50.0
0 cis-1,3-Dichloropropene	50.0000	50.6715	1.3	50.0
0 Chloroform	50.0000	53.2616	6.5	20.0
0 Toluene	50.0000	54.7494	9.5	20.0
0 2-Butanone	100.0000	94.3470	5.7	50.0
0 1,2-Dichloroethene (total)	100.0000	104.5045	4.5	50.0
0 cis-1,2-dichloroethene	50.0000	50.7402	1.5	50.0
0 4-Methyl-2-pentanone	100.0000	97.4683	2.5	50.0
0 1,2-Dichloroethane	50.0000	51.8411	3.7	50.0
0 Trichloroethene	50.0000	53.2291	6.5	50.0
0 1,1,1-Trichloroethane	50.0000	57.0390	14.1	50.0
0 Carbon Tetrachloride	50.0000	57.6802	15.4	50.0
0 Benzene	50.0000	51.6339	3.3	50.0
38 Dichlorodifluoromethane	50.0000	42.7555	14.5	50.0
39 Trichlorofluoromethane	50.0000	45.2229	9.6	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\040825B.D/UXJ23394.D
Report Date: 08/26/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ23394.D
Analysis Type: WATER

Injection Date: 25-AUG-2004 21:39
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	529.6982	5.9	50.0
41 Acrylonitrile	500.0000	482.9748	3.4	50.0
42 Vinyl acetate	50.0000	49.9270	0.1	50.0
43 2-Chloroethyl vinyl ether	100.0000	98.8991	1.1	50.0
47 Freon-113	50.0000	49.1969	1.6	50.0
48 1,3-Dichlorobenzene	50.0000	48.7018	2.6	50.0
49 1,4-Dichlorobenzene	50.0000	49.6311	0.7	50.0
50 1,2-Dichlorobenzene	50.0000	50.3635	0.7	50.0
51 Acetonitrile	500.0000	497.7035	0.5	50.0
52 Iodomethane	50.0000	60.4844	21.0	50.0
59 1,4-Dioxane	2500.0000	1888.9688	24.4	50.0
60 Dibromomethane	50.0000	49.5785	0.8	50.0
62 Ethyl Methacrylate	50.0000	47.1110	5.8	50.0
63 1,2-Dibromoethane	50.0000	51.2221	2.4	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	54.2450	8.5	50.0
65 1,2,3-Trichloropropane	50.0000	49.8425	0.3	50.0
66 1,4-Dichloro-2-butene	50.0000	38.0581	23.9	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	49.0840	1.8	50.0
82 Methyl tert-butyl ether	50.0000	52.4398	4.9	50.0
84 Tetrahydrofuran	50.0000	46.8951	6.2	50.0
98 2,2-Dichloropropane	50.0000	57.0235	14.0	50.0
99 1,1-Dichloropropene	50.0000	52.6961	5.4	50.0
100 1,3-Dichloropropane	50.0000	51.7995	3.6	50.0
102 Bromobenzene	50.0000	49.4229	1.2	50.0
103 2-Chlorotoluene	50.0000	52.4684	4.9	50.0
104 n-Propylbenzene	50.0000	53.6057	7.2	50.0
105 4-Chlorotoluene	50.0000	51.8106	3.6	50.0
106 1,3,5-Trimethylbenzene	50.0000	48.2043	3.6	50.0
107 tert-Butylbenzene	50.0000	49.5966	0.8	50.0
108 1,2,4-Trimethylbenzene	50.0000	47.7816	4.4	50.0
109 sec-Butylbenzene	50.0000	48.2563	3.5	50.0
110 4-Isopropyltoluene	50.0000	44.4137	11.2	50.0
111 n-Butylbenzene	50.0000	40.2722	19.5	50.0
112 1,2,4-Trichlorobenzene	50.0000	40.3841	19.2	50.0
113 Naphthalene	50.0000	33.8335	32.3	50.0
114 Hexachlorobutadiene	50.0000	36.6407	26.7	50.0
115 1,2,3-Trichlorobenzene	50.0000	39.6583	20.7	50.0
124 tert-Butyl Alcohol	1000.0000	712.4469	28.8	50.0

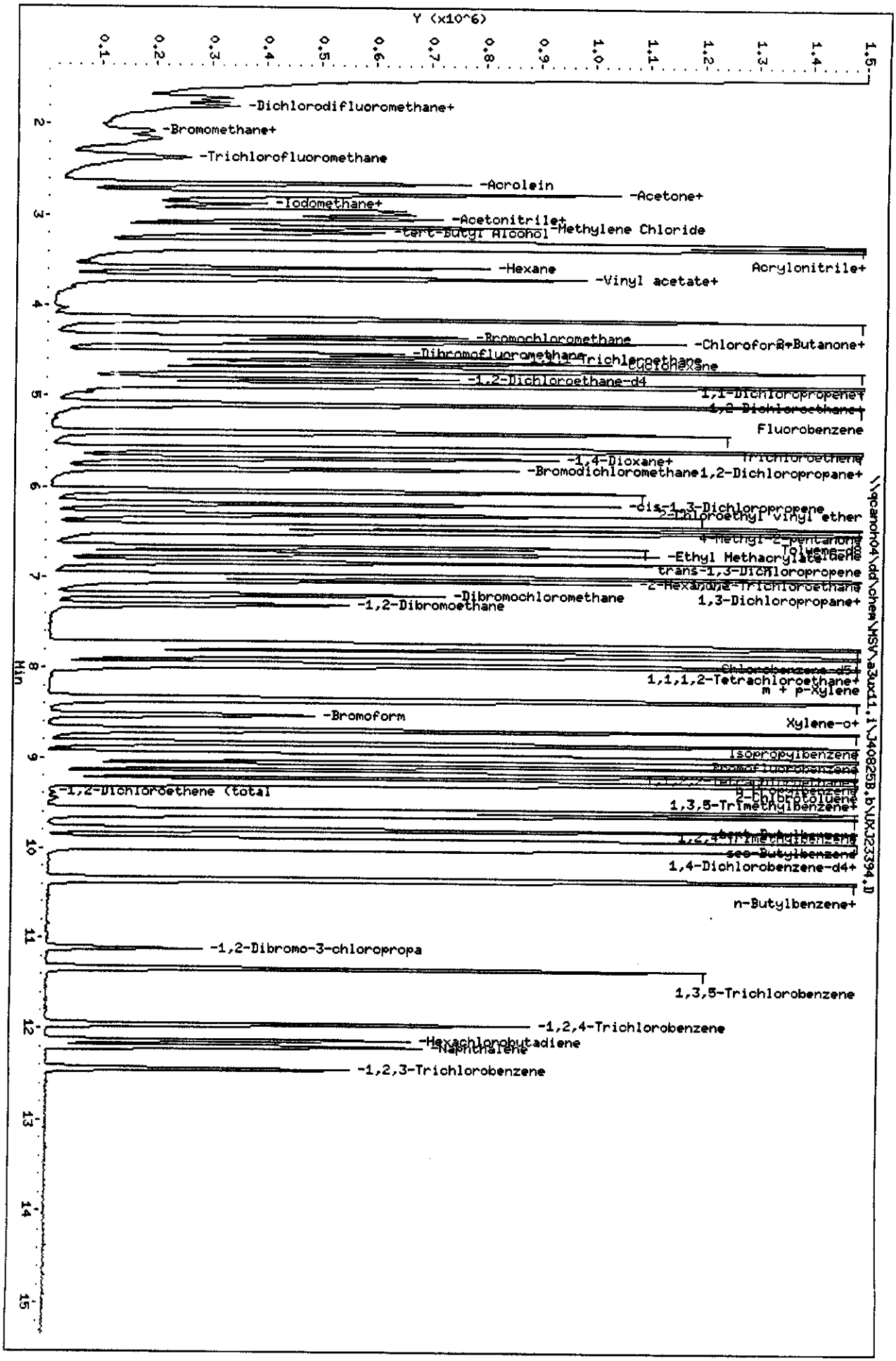
Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\040825D.D\
Report Date: 08/26/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ23394.D
Analysis Type: WATER

Injection Date: 25-AUG-2004 21:39
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	45.6406	8.7	20.0
127 Cyclohexane	50.0000	44.4613	11.1	50.0
128 Isopropylbenzene	50.0000	46.6672	6.7	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	49.3080	1.4	50.0
141 1,3,5-Trichlorobenzene	50.0000	41.0122	18.0	50.0
143 Methyl Acetate	100.0000	93.3906	6.6	50.0
144 Methylcyclohexane	50.0000	44.2561	11.5	50.0
22 Toluene-d8	50.0000	53.9443	7.9	50.0
32 Bromofluorobenzene	50.0000	50.4691	0.9	50.0
47 1,2-Dichloroethane-d4	50.0000	50.7842	1.6	50.0
131 Dibromofluoromethane	50.0000	51.0348	2.1	50.0


Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40825B.b\UXJ23394.D
Date : 25-AUG-2004 21:39
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Acetonitrile+
-tert-Butyl Alcohol
-Methylene Chloride
Acrylonitrile+
-Hexane
-Vinyl acetate+
-Bromochloromethane
-Chloroform
2-Butanone+
-Dibromofluoromethane
1,1,1-Trichloroethane
Cyclohexane
-1,2-Dichloroethane-d4
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-cis-1,3-Dichloropropene
2-Chloroethyl Vinyl ether
4-Methyl-2-pentanone
Toluene-d8
-Ethyl Methacrylate
trans-1,3-Dichloropropene
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
-1,2-Dichloroethene (total
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
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
\\qcanoh04\dd\chem\HSV\a3ux11.i\J40825B.b\UXJ23394.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23394.D
Report Date: 26-Aug-2004 15:15

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23394.D
Lab Smp Id: 50NG-CC
Inj Date : 25-AUG-2004 21:39
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-CC
Misc Info : J40825B,8260LLUX11,2-8260.SUB,43582,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m
Meth Date : 26-Aug-2004 15:15 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 33 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	5.088	5.088	(1.000)	1868236	50.0000	
* 2 Chlorobenzene-d5	117	7.727	7.727	(1.000)	1437856	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	832228	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	448706	50.0000	51.035
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	591327	50.0000	50.784
$ 6 Toluene-d8	98	6.425	6.425	(0.832)	1858308	50.0000	53.944
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.144)	736821	50.0000	50.469
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	303451	50.0000	42.755
9 Chloromethane	50	1.704	1.704	(0.335)	521702	50.0000	35.337
10 Vinyl Chloride	62	1.799	1.799	(0.354)	394834	50.0000	50.196
11 Bromomethane	94	2.071	2.071	(0.407)	188064	50.0000	53.609
12 Chloroethane	64	2.166	2.166	(0.426)	321182	50.0000	51.957
13 Trichlorofluoromethane	101	2.343	2.343	(0.461)	395828	50.0000	45.223
15 Acrolein	56	2.651	2.651	(0.521)	890520	500.000	529.70
16 Acetone	43	2.769	2.769	(0.544)	496885	100.000	97.236
17 1,1-Dichloroethene	96	2.757	2.757	(0.542)	454064	50.0000	51.957
18 Freon-113	151	2.769	2.769	(0.544)	270693	50.0000	49.197

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23394.D
Report Date: 26-Aug-2004 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.876	2.876	(0.565)	532392	50.0000	60.484
	20 Carbon Disulfide	76	2.947	2.947	(0.579)	1716642	50.0000	59.790
	21 Methylene Chloride	84	3.124	3.124	(0.614)	605689	50.0000	46.128
	22 Acetonitrile	41	2.982	2.982	(0.586)	701601	500.000	497.70
	23 Acrylonitrile	53	3.302	3.302	(0.649)	2037812	500.000	482.97
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	1135061	50.0000	52.440
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	515167	50.0000	53.764
	26 Hexane	86	3.574	3.574	(0.702)	73891	50.0000	45.640
	27 Vinyl acetate	43	3.704	3.704	(0.728)	880778	50.0000	49.927
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	895747	50.0000	52.443
	29 tert-Butyl Alcohol	59	3.183	3.183	(0.626)	616902	1000.00	712.45
	30 2-Butanone	43	4.142	4.142	(0.814)	529461	100.000	94.347
M	31 1,2-Dichloroethene (total)	96				1023965	100.000	104.50
	32 cis-1,2-dichloroethene	96	4.142	4.142	(0.814)	508798	50.0000	50.740
	33 2,2-Dichloropropane	77	4.154	4.154	(0.816)	357715	50.0000	57.023
	34 Bromochloromethane	128	4.343	4.343	(0.854)	251340	50.0000	49.308
	35 Chloroform	83	4.390	4.390	(0.863)	910893	50.0000	53.262
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	143523	50.0000	46.895
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	563455	50.0000	57.039
	38 1,1-Dichloropropene	75	4.698	4.698	(0.923)	599740	50.0000	52.696
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	416836	50.0000	57.680
	40 1,2-Dichloroethane	62	4.863	4.863	(0.956)	706783	50.0000	51.841
	41 Benzene	78	4.863	4.863	(0.956)	2171294	50.0000	51.634
	42 Trichloroethene	130	5.396	5.396	(1.060)	496619	50.0000	53.229
	43 1,2-Dichloropropane	63	5.573	5.573	(1.095)	525673	50.0000	51.336
	44 1,4-Dioxane	88	5.680	5.680	(1.116)	225645	2500.00	1889.0(A)
	45 Dibromomethane	93	5.680	5.680	(1.116)	307532	50.0000	49.578
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	652216	50.0000	56.748
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	551458	100.000	98.899
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	746393	50.0000	50.672
	49 4-Methyl-2-pentanone	43	6.295	6.295	(1.237)	940246	100.000	97.468
	50 Toluene	91	6.485	6.485	(0.839)	2224177	50.0000	54.749
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.862)	689725	50.0000	52.962
	52 Ethyl Methacrylate	69	6.733	6.733	(0.871)	631876	50.0000	47.111
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.884)	477379	50.0000	51.382
	54 1,3-Dichloropropane	76	6.982	6.982	(0.904)	866568	50.0000	51.799
	55 Tetrachloroethene	164	6.982	6.982	(0.904)	370690	50.0000	53.028
	56 2-Hexanone	43	7.041	7.041	(0.911)	740050	100.000	98.211
	57 Dibromochloromethane	129	7.195	7.195	(0.931)	462534	50.0000	61.122
	58 1,2-Dibromoethane	107	7.301	7.301	(0.945)	461532	50.0000	51.222
	59 Chlorobenzene	112	7.763	7.763	(1.005)	1446587	50.0000	51.391
	60 1,1,1,2-Tetrachloroethane	131	7.834	7.834	(1.014)	467871	50.0000	54.245
	61 Ethylbenzene	106	7.857	7.857	(1.017)	703617	50.0000	53.942
	62 m + p-Xylene	106	7.964	7.964	(1.031)	1886612	100.000	110.64
M	63 Xylenes (total)	106				2783084	150.000	165.36
	64 Xylene-o	106	8.342	8.342	(1.080)	896472	50.0000	54.716
	65 Styrene	104	8.354	8.354	(1.081)	1635970	50.0000	50.085

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23394.D
Report Date: 26-Aug-2004 15:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.532	8.532	(1.104)	312284	50.0000	61.353
67 Isopropylbenzene	105	8.686	8.686	(1.124)	1802708	50.0000	46.667
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	690959	50.0000	49.167
69 1,4-Dichloro-2-butene	53	9.017	9.017	(0.905)	148949	50.0000	38.058
70 1,2,3-Trichloropropane	110	9.005	9.005	(0.904)	220019	50.0000	49.842
71 Bromobenzene	156	8.993	8.993	(0.903)	597905	50.0000	49.423
72 n-Propylbenzene	120	9.088	9.088	(0.912)	534043	50.0000	53.606
73 2-Chlorotoluene	126	9.171	9.171	(0.920)	542934	50.0000	52.468
74 1,3,5-Trimethylbenzene	105	9.253	9.253	(0.929)	1738846	50.0000	48.204
75 4-Chlorotoluene	126	9.277	9.277	(0.931)	595384	50.0000	51.811
76 tert-Butylbenzene	119	9.573	9.573	(0.961)	1250235	50.0000	49.597
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	1856570	50.0000	47.782
78 sec-Butylbenzene	105	9.786	9.786	(0.982)	1698286	50.0000	48.256
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	1473950	50.0000	44.414
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	1101725	50.0000	48.702
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	1200692	50.0000	49.631
82 n-Butylbenzene	91	10.330	10.330	(1.037)	1166447	50.0000	40.272
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	1107252	50.0000	50.363
84 1,2-Dibromo-3-chloropropane	157	11.111	11.111	(1.115)	99320	50.0000	49.084
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	332532	50.0000	40.384
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	147495	50.0000	36.641
87 Naphthalene	128	12.200	12.200	(1.224)	675829	50.0000	33.833
88 1,2,3-Trichlorobenzene	180	12.437	12.437	(1.248)	217509	50.0000	39.658
98 Cyclohexane	56	4.627	4.627	(0.909)	575810	50.0000	44.461
143 Methyl Acetate	43	3.029	3.029	(0.595)	756564	100.000	93.391
144 Methylcyclohexane	83	5.573	5.573	(1.095)	470193	50.0000	44.256
141 1,3,5-Trichlorobenzene	180	11.336	11.336	(1.138)	472791	50.0000	41.012

QC Flag Legend

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

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23392.D
Report Date: 25-Aug-2004 20:47

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 25-AUG-2004 20:40
Lab File ID: UXJ23392.D Init. Cal. Date(s): 16-AUG-2004 23-AUG-2004
Analysis Type: WATER Init. Cal. Times: 16:18 18:10
Lab Sample ID: 50NG-A9CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
14 Dichlorofluoromethane	0.48495	0.51469	0.010	6.1	50.0	
89 Ethyl Ether	0.24654	0.23607	0.010	-4.2	50.0	
91 3-Chloropropene	0.10305	0.12905	0.010	25.2	50.0	
92 Isopropyl Ether	0.22353	0.23242	0.010	4.0	50.0	
93 2-Chloro-1,3-butadiene	0.37276	0.38770	0.010	4.0	50.0	
94 Propionitrile	0.04231	0.04102	0.010	-3.0	50.0	
95 Ethyl Acetate	0.24508	0.23365	0.010	-4.7	50.0	
96 Methacrylonitrile	0.15890	0.16123	0.010	1.5	50.0	
97 Isobutanol	0.01142	0.01033	0.010	-9.6	50.0	
99 n-Butanol	0.00822	0.00778	0.010	-5.3	50.0	<-
100 Methyl Methacrylate	0.19531	0.19316	0.010	-1.1	50.0	
101 2-Nitropropane	0.06079	0.05816	0.010	-4.3	50.0	
103 Cyclohexanone	0.02717	0.04179	0.010	53.8	50.0	<-

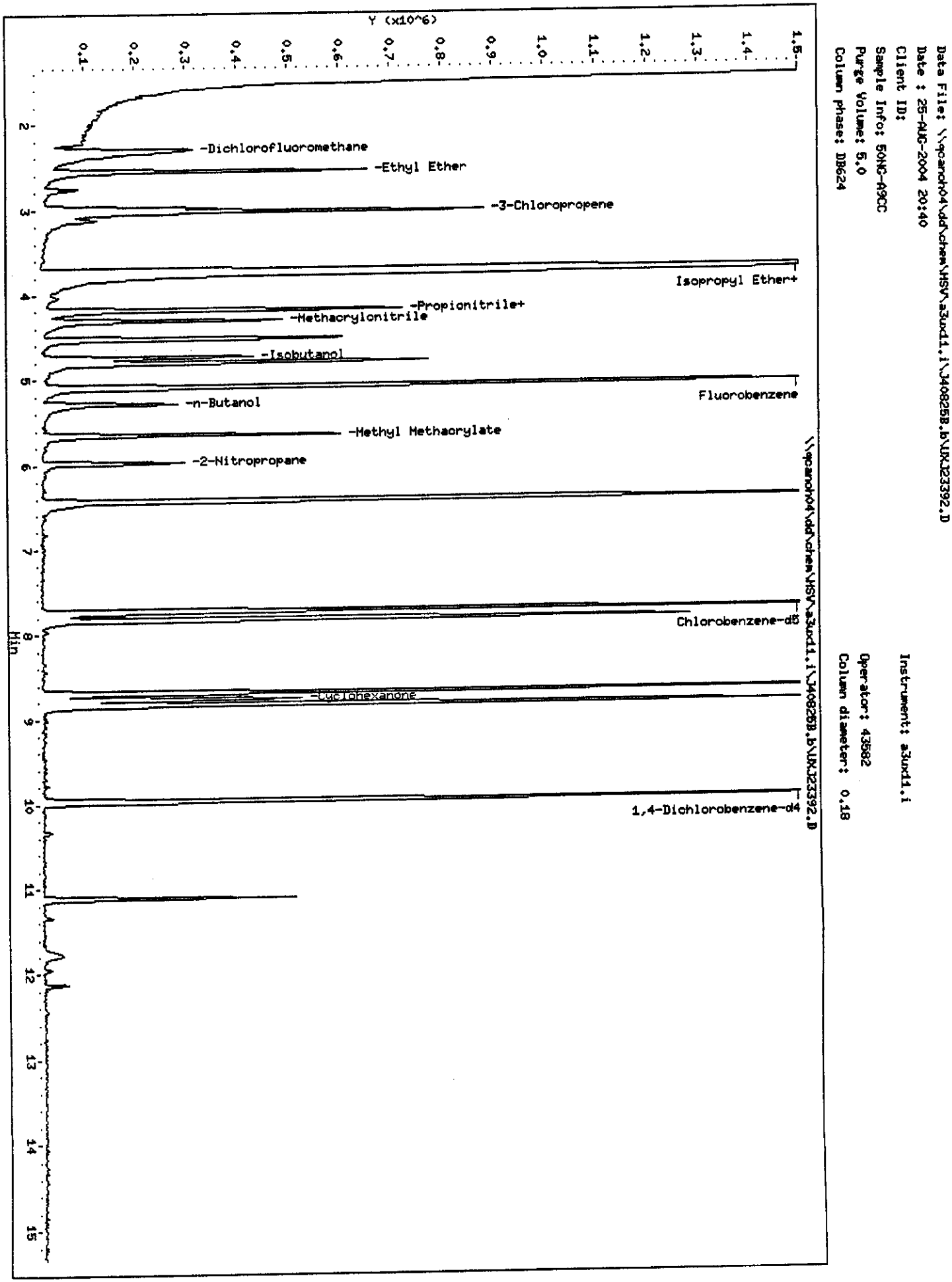
Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.D/UXJ23392.D
Report Date: 08/25/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ23392.D
Analysis Type: WATER

Injection Date: 25-AUG-2004 20:40
Lab Sample ID: 50NG-A9CC
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
53 3-Chloropropene	50.0000	62.6169	25.2	50.0	
54 2-Chloro-1,3-butadiene	50.0000	52.0042	4.0	50.0	
55 Propionitrile	100.0000	96.9633	3.0	50.0	
56 Methacrylonitrile	50.0000	50.7338	1.5	50.0	
57 Isobutanol	1000.0000	904.4241	9.6	50.0	
58 Methyl Methacrylate	50.0000	49.4493	1.1	50.0	
73 n-Butanol	1000.0000	947.2828	5.3	50.0	
74 Ethyl Acetate	100.0000	95.3365	4.7	50.0	
75 Cyclohexanone	500.0000	768.8867	53.8	50.0	<-
76 Ethyl Ether	50.0000	47.8766	4.2	50.0	
85 Dichlorofluoromethane	50.0000	53.0663	6.1	50.0	
86 2-Nitropropane	100.0000	95.6627	4.3	50.0	
126 Isopropyl Ether	250.0000	259.9405	4.0	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	


Data File: \\qcandh04\dd\chem\HSV\a3ud1.i\J408258.b\UX323392.D
Date : 25-AUG-2004 20:40
Client ID:
Sample Info: 50NG-A9CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ud1.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23392.D
Report Date: 26-Aug-2004 07:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23392.D
Lab Smp Id: 50NG-A9CC
Inj Date : 25-AUG-2004 20:40
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-A9CC
Misc Info : J40825B,8260LLUX11,3-IX.SUB,43582,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m
Meth Date : 26-Aug-2004 07:22 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 32 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	5.088	5.088	(1.000)	1825312	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1330697	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	657005	50.0000	
14 Dichlorofluoromethane	67	2.307	2.307	(0.454)	939468	50.0000	53.066
89 Ethyl Ether	59	2.556	2.556	(0.502)	430906	50.0000	47.876
91 3-Chloropropene	76	3.029	3.029	(0.595)	235563	50.0000	62.617
92 Isopropyl Ether	87	3.727	3.727	(0.733)	2121192	250.000	259.94(A)
93 2-Chloro-1,3-butadiene	53	3.763	3.763	(0.740)	707670	50.0000	52.004
94 Propionitrile	54	4.177	4.177	(0.821)	149761	100.000	96.963
95 Ethyl Acetate	43	4.189	4.189	(0.823)	852980	100.000	95.336
96 Methacrylonitrile	41	4.307	4.307	(0.847)	294292	50.0000	50.734
97 Isobutanol	41	4.745	4.745	(0.613)	274840	1000.00	904.42(A)
99 n-Butanol	56	5.289	5.289	(0.684)	207187	1000.00	947.28(A)
100 Methyl Methacrylate	41	5.656	5.656	(1.112)	352570	50.0000	49.449
101 2-Nitropropane	41	5.976	5.976	(1.174)	212312	100.000	95.662
103 Cyclohexanone	55	8.768	8.768	(0.880)	274531	500.000	768.89(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23392.D
Report Date: 26-Aug-2004 07:22

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:

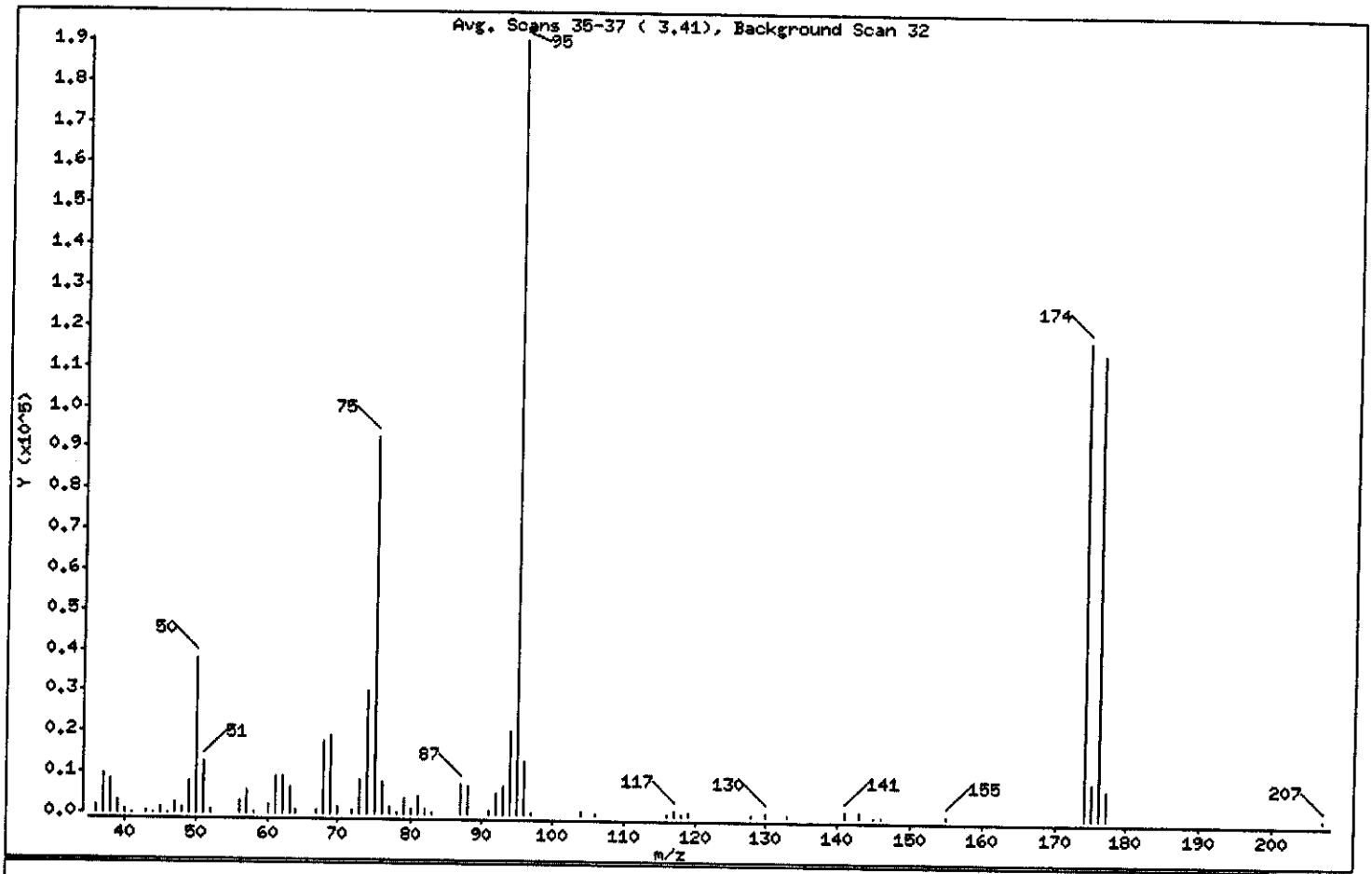
Volume Injected (uL): 1.0

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

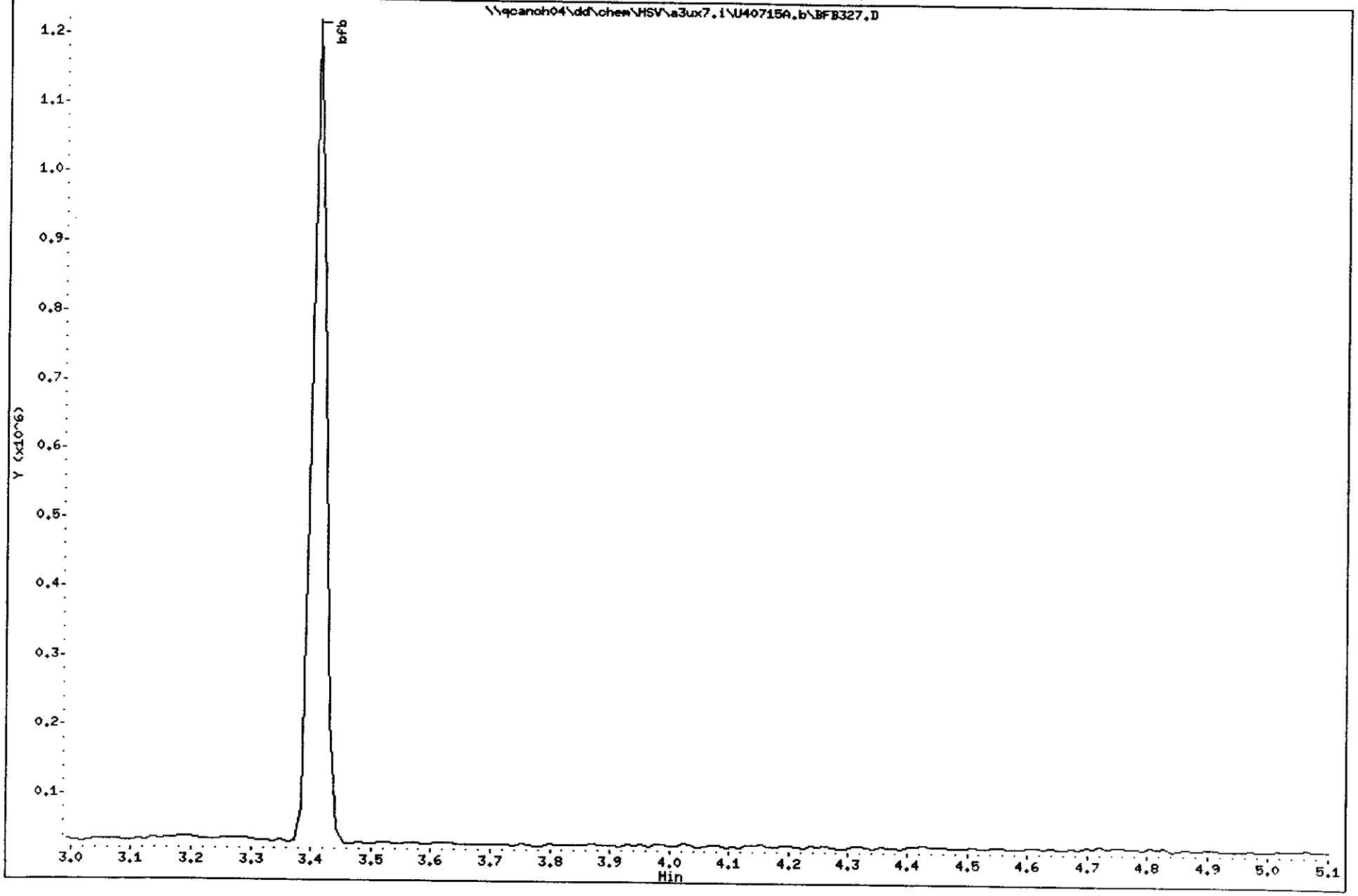
Data File: BFB327.D
Spectrum: Avg. Scans 35-37 (3.41), Background Scan 32
Location of Maximum: 95.00
Number of points: 68

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\U40821A.b\BFB380.D

Date : 21-AUG-2004 07:56

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

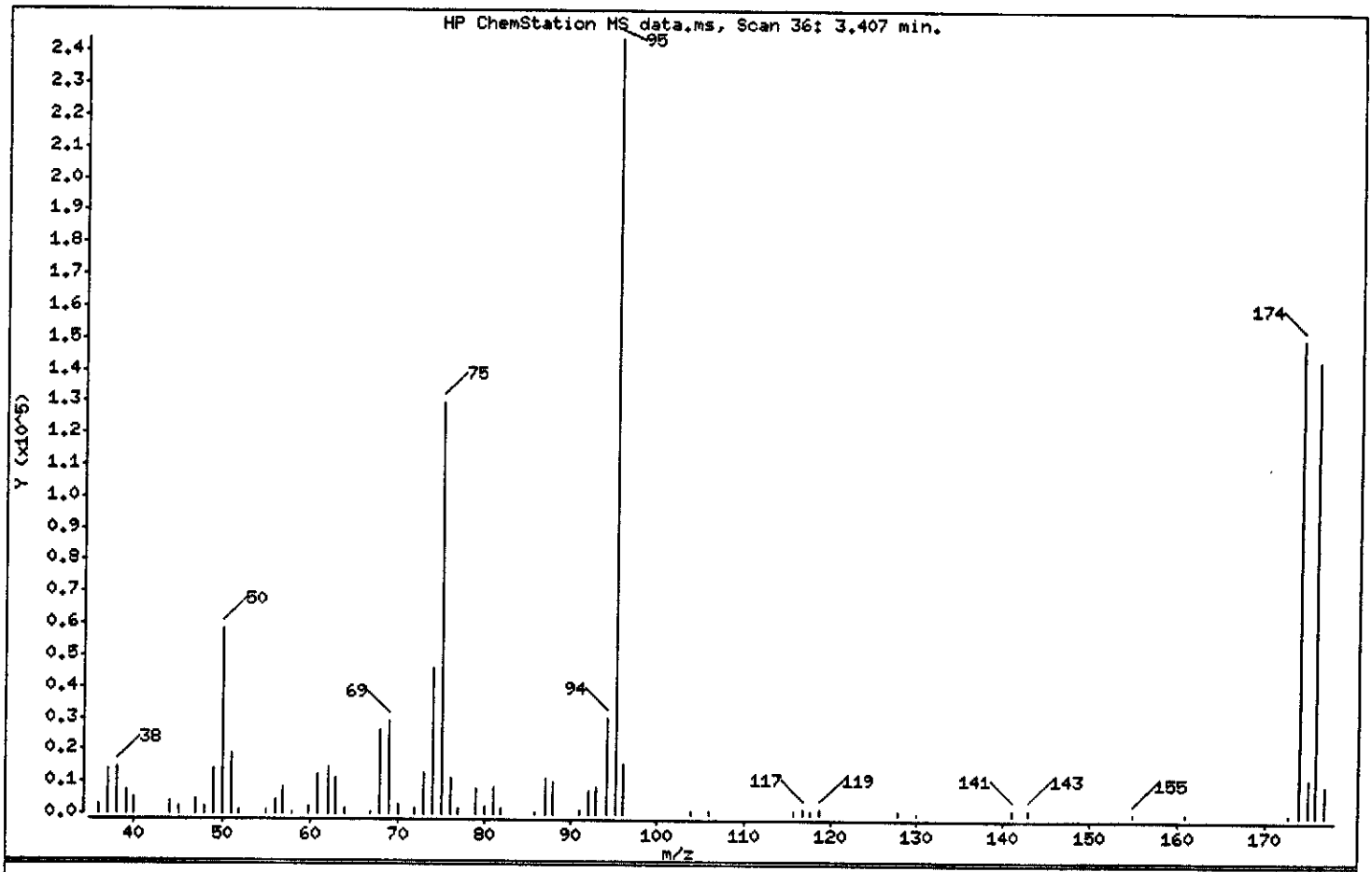
Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.87
75	30.00 - 60.00% of mass 95	53.21
96	5.00 - 9.00% of mass 95	6.32
173	Less than 2.00% of mass 174	0.30 (0.49)
174	50.00 - 100.00% of mass 95	61.57
175	5.00 - 9.00% of mass 174	4.86 (7.89)
176	95.00 - 101.00% of mass 174	58.90 (95.66)
177	5.00 - 9.00% of mass 176	3.79 (6.44)

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

Date : 21-AUG-2004 07:56

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

Data File: BFB380.D

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

Location of Maximum: 95.05

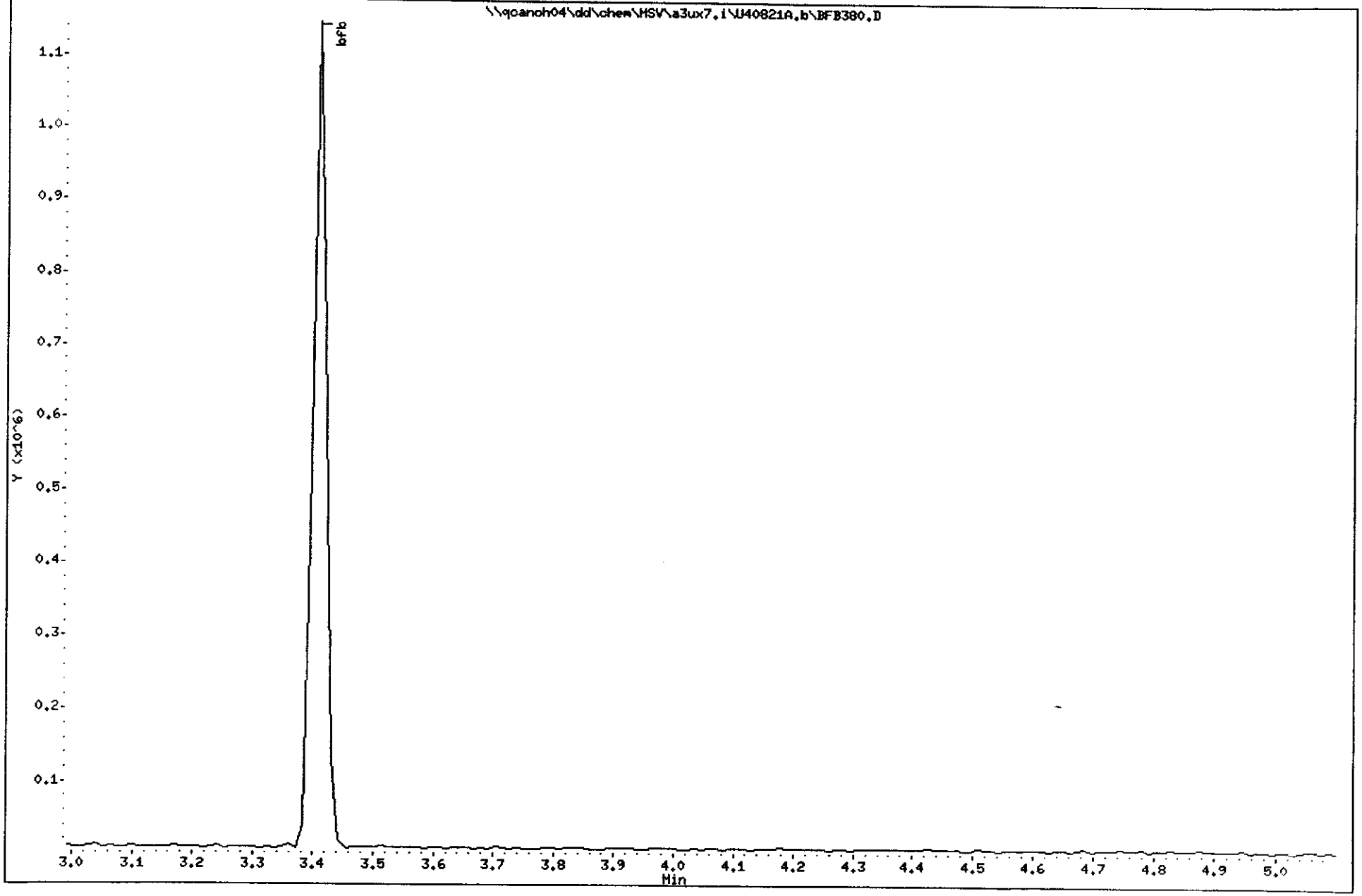
Number of points: 62

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

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

Instrument: a3ux7.i

Operator: 1754
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\BFB387.D

Date : 25-AUG-2004 21:13

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info: BFB387

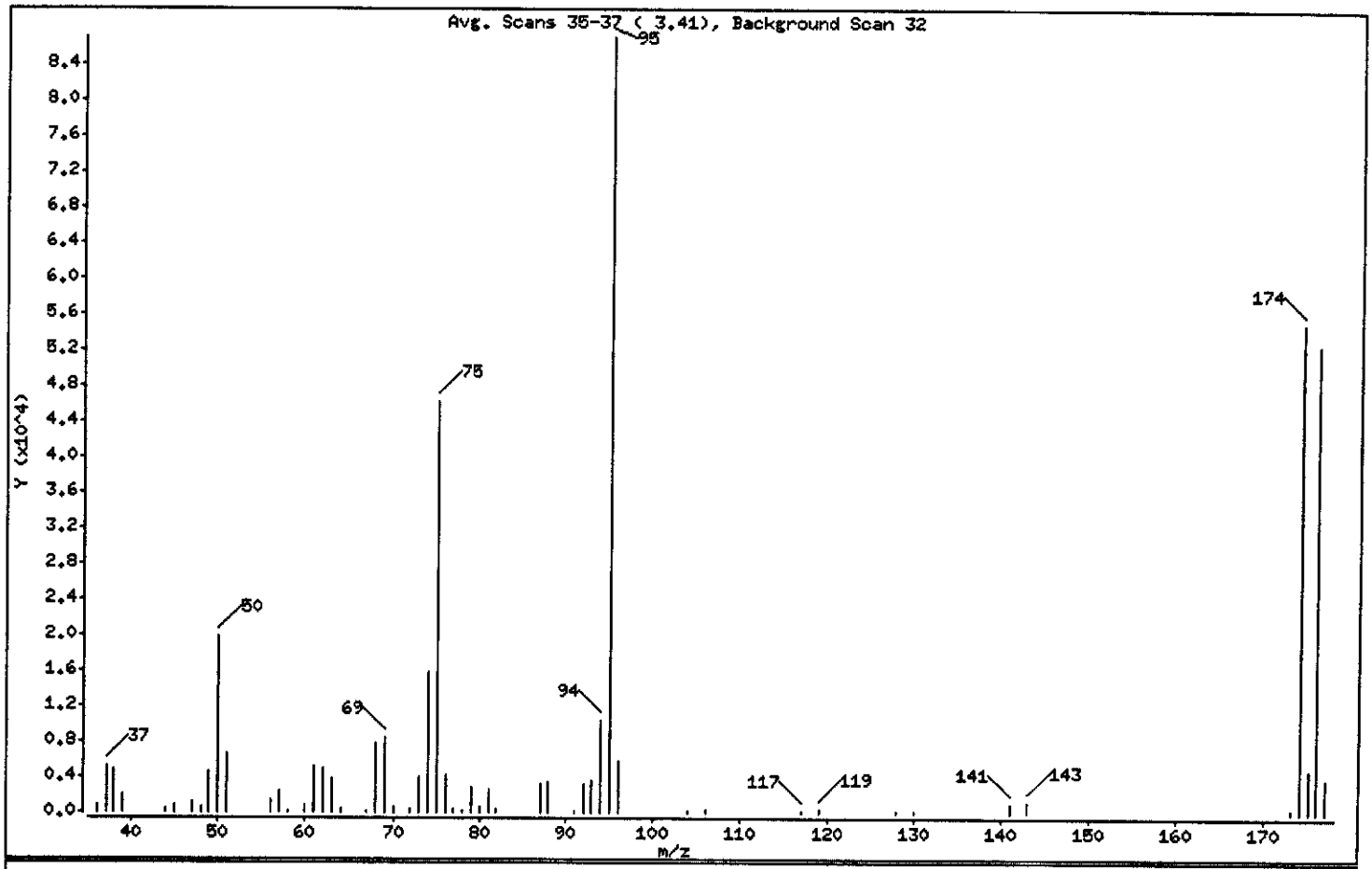
Volume Injected (uL): 1.0

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	22.74
75	30.00 - 60.00% of mass 95	53.07
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.47 (0.73)
174	50.00 - 100.00% of mass 95	63.33
175	5.00 - 9.00% of mass 174	5.57 (8.79)
176	95.00 - 101.00% of mass 174	60.40 (95.38)
177	5.00 - 9.00% of mass 176	4.27 (7.06)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\BFB387.D

Date : 25-AUG-2004 21:13

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info: BFB387

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

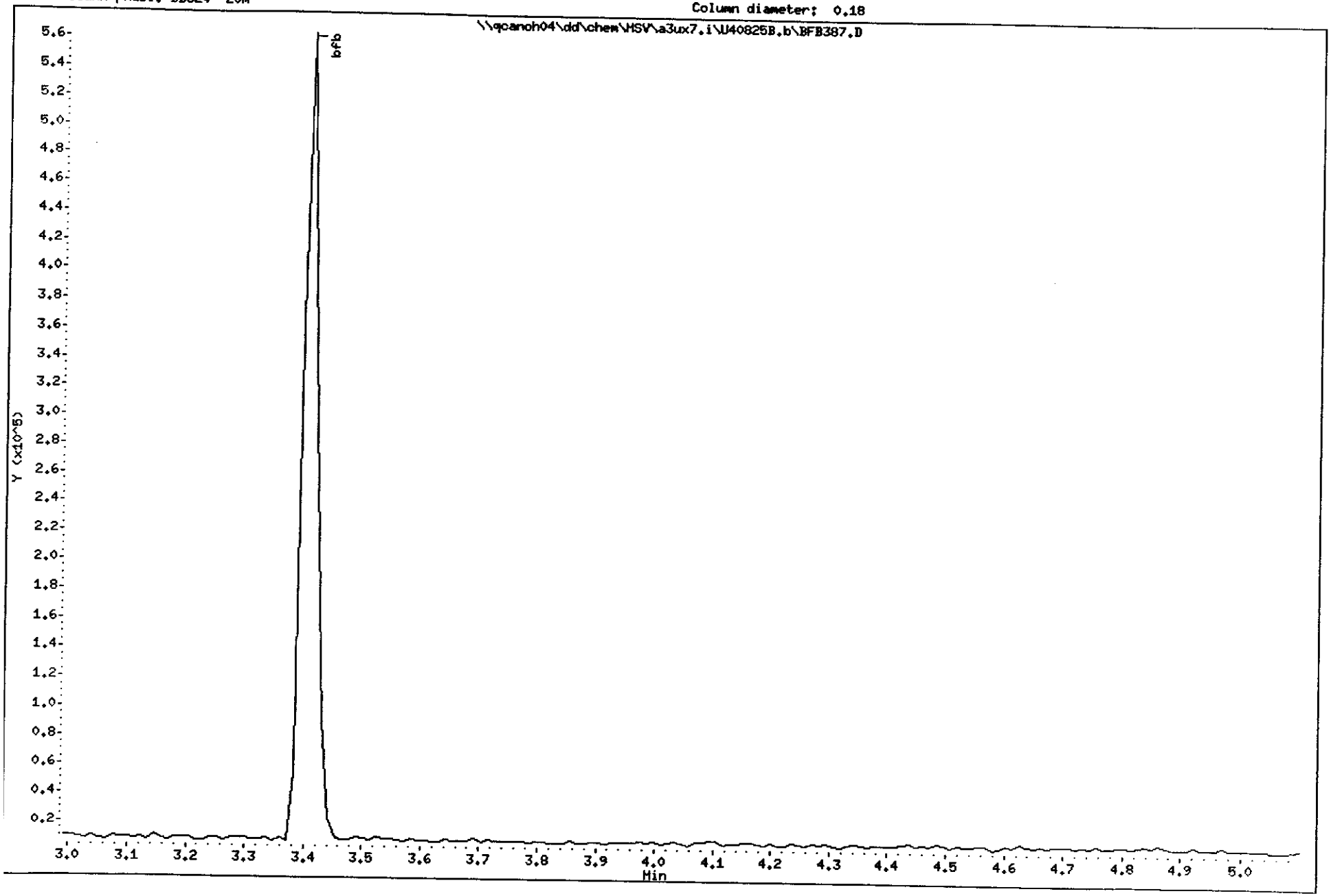
Data File: BFB387.D
Spectrum: Avg. Scans 35-37 (3.41), Background Scan 32
Location of Maximum: 95.00
Number of points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	865	60.00	883	77.00	443	104.00	299
37.00	5240	61.00	5119	78.00	209	106.00	452
38.00	4893	62.00	4981	79.00	2884	117.00	261
39.00	1929	63.00	3771	80.00	626	119.00	479
44.00	381	64.00	342	81.00	2589	128.00	186
45.00	858	67.00	175	82.00	481	130.00	191
47.00	1242	68.00	7831	87.00	3142	141.00	938
48.00	655	69.00	8390	88.00	3482	143.00	1236
49.00	4546	70.00	630	91.00	179	173.00	405
50.00	19792	72.00	472	92.00	3139	174.00	55112
51.00	6586	73.00	3968	93.00	3674	175.00	4844
56.00	1487	74.00	15809	94.00	10450	176.00	52560
57.00	2477	75.00	46184	95.00	87024	177.00	3712
58.00	167	76.00	4276	96.00	5830		

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40825B.b\BFB387.D
Date : 25-AUG-2004 21:13
Client ID: 50NGBFB
Sample Info: BFB387
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\U40827B.b\BFB390.D

Date : 27-AUG-2004 19:43

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info: BFB390

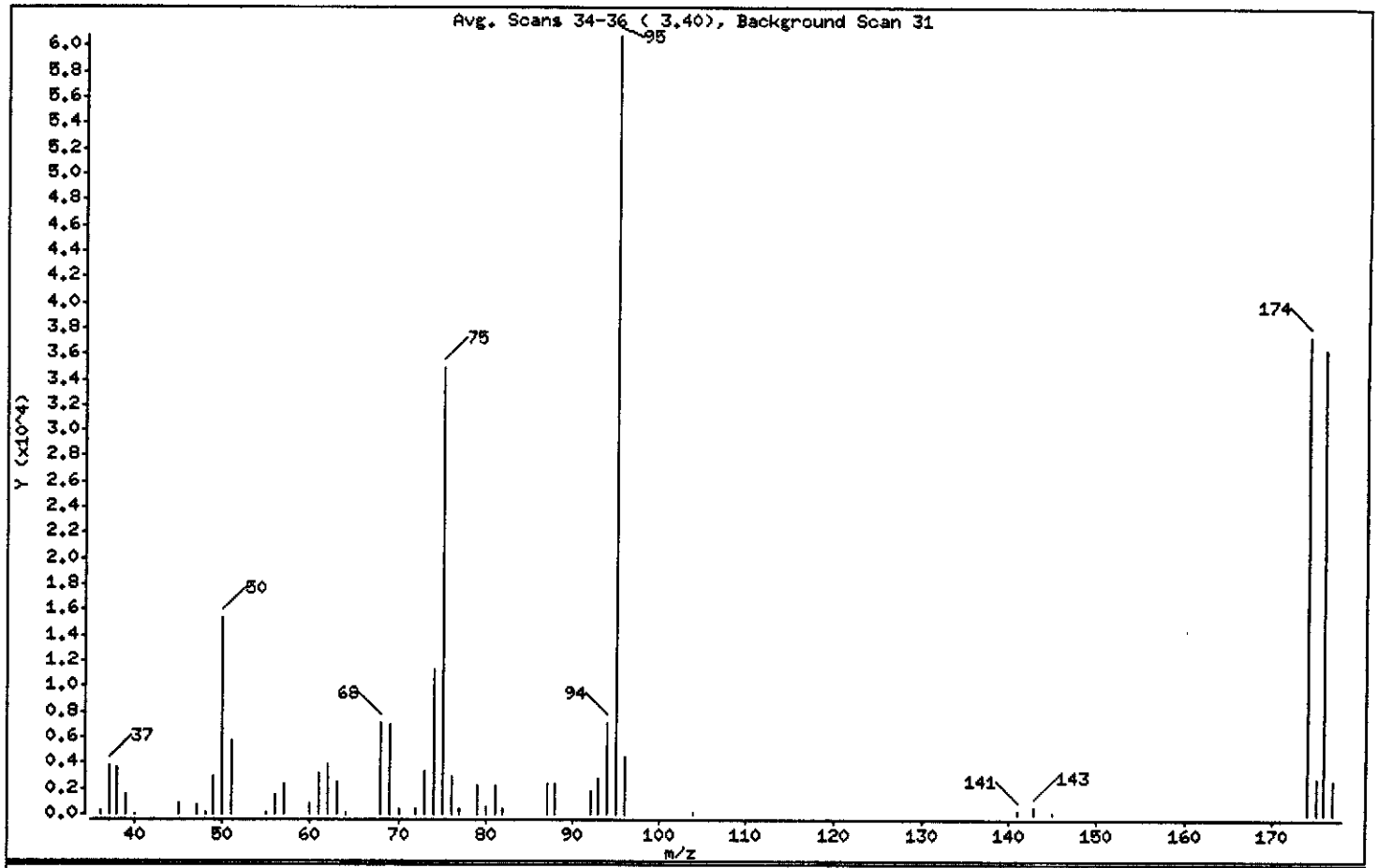
Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	25.22
75	30.00 - 60.00% of mass 95	57.44
96	5.00 - 9.00% of mass 95	7.37
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	61.64
175	5.00 - 9.00% of mass 174	4.59 (7.45)
176	95.00 - 101.00% of mass 174	60.05 (97.41)
177	5.00 - 9.00% of mass 176	4.27 (7.10)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\BFB390.D

Date : 27-AUG-2004 19:43

Client ID: 50NGBFB | Instrument: a3ux7.i

Sample Info: BFB390

Volume Injected (uL): 1.0 | Operator: 1754

Column phase: DB624 20m | Column diameter: 0.18

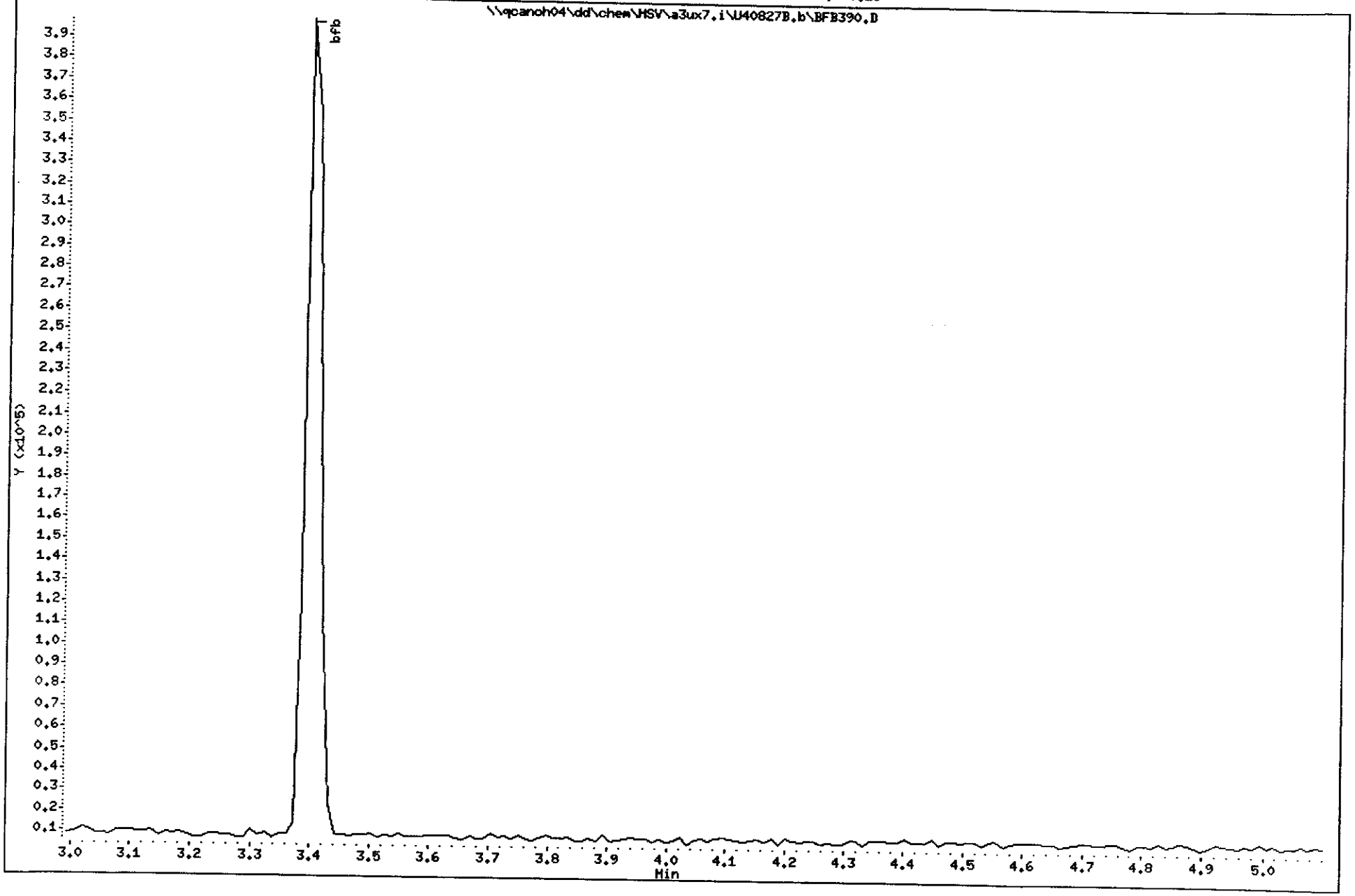
Data File: BFB390.D
Spectrum: Avg. Scans 34-36 (3.40), Background Scan 31
Location of Maximum: 95.00
Number of points: 47

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	308	56.00	1543	74.00	11311	94.00	7091
37.00	3703	57.00	2315	75.00	34896	95.00	60744
38.00	3669	60.00	889	76.00	2886	96.00	4479
39.00	1577	61.00	3190	77.00	366	104.00	191
40.00	16	62.00	3900	79.00	2225	141.00	264
45.00	864	63.00	2528	80.00	585	143.00	589
47.00	684	64.00	185	81.00	2174	145.00	182
48.00	187	68.00	7120	82.00	395	174.00	37440
49.00	2989	69.00	6919	87.00	2443	175.00	2788
50.00	15318	70.00	387	88.00	2436	176.00	36472
51.00	5669	72.00	414	92.00	1861	177.00	2591
55.00	167	73.00	3408	93.00	2820		

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\BFB390.D
Date : 27-AUG-2004 19:43
Client ID: 50NGBFB
Sample Info: BFB390
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\J40823B-IC.b\BFB211.D

Date : 23-AUG-2004 15:50

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

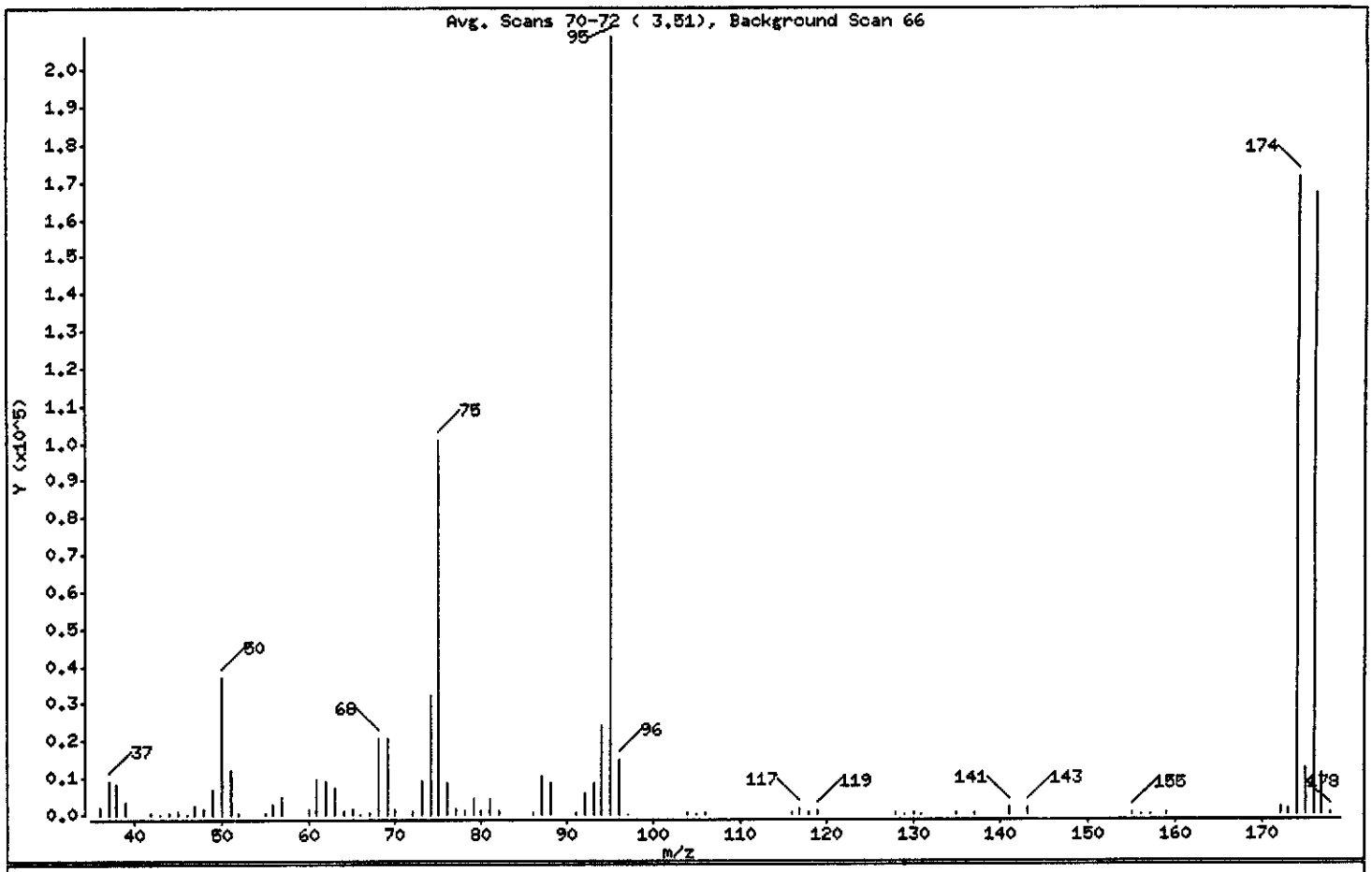
Volume Injected (uL): 1.0

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	17.80
75	30.00 - 60.00% of mass 95	48.37
96	5.00 - 9.00% of mass 95	7.13
173	Less than 2.00% of mass 174	0.63 (0.76)
174	50.00 - 100.00% of mass 95	82.19
175	5.00 - 9.00% of mass 174	6.09 (7.40)
176	95.00 - 101.00% of mass 174	80.06 (97.41)
177	5.00 - 9.00% of mass 176	5.21 (6.50)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\BFB211.D

Date : 23-AUG-2004 15:50

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

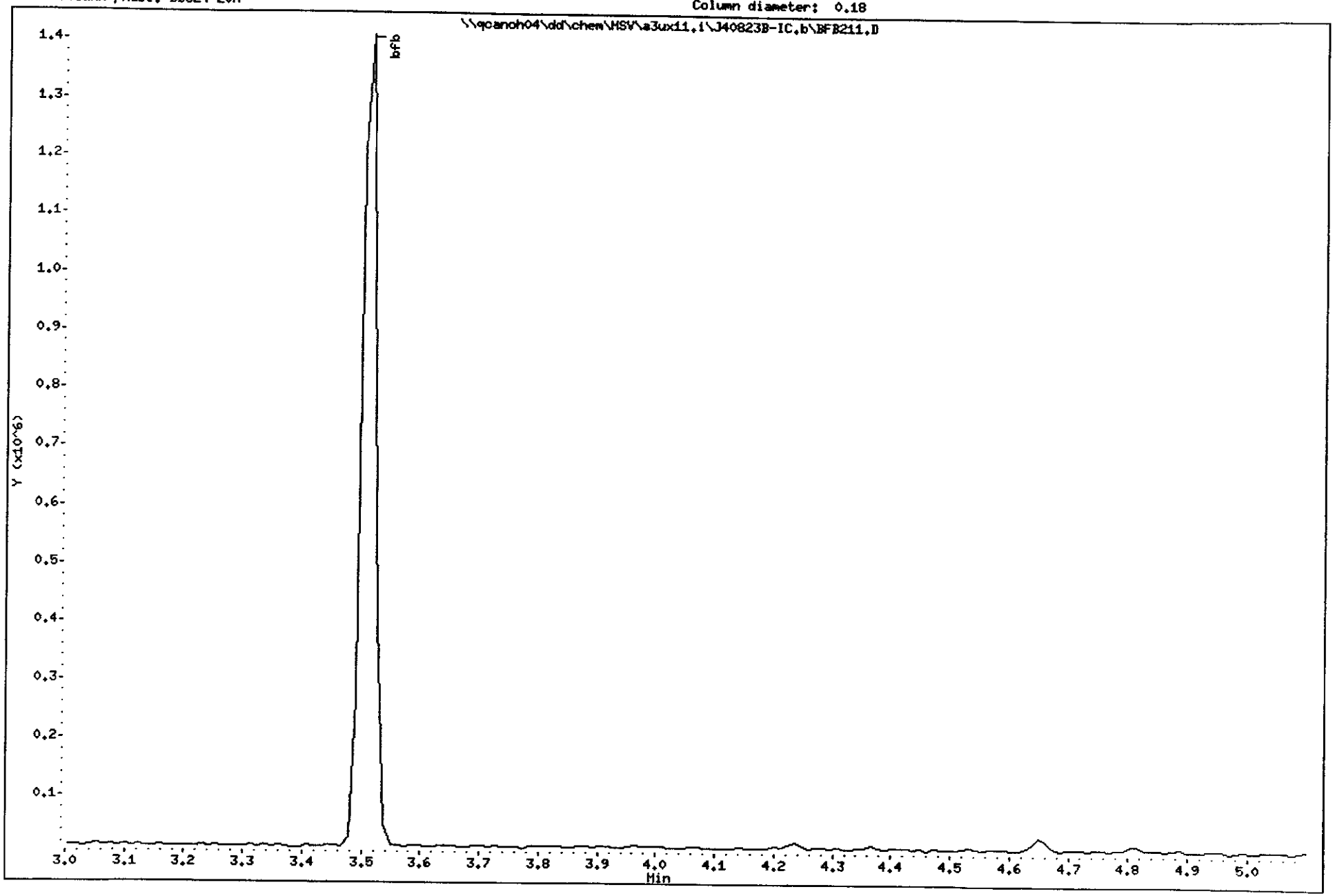
Data File: BFB211.D
Spectrum: Avg. Scans 70-72 (3.51), Background Scan 66
Location of Maximum: 95.00
Number of points: 76

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2008	62.00	8944	86.00	312	131.00	202
37.00	9148	63.00	7340	87.00	10654	135.00	541
38.00	8116	64.00	944	88.00	8541	137.00	424
39.00	3440	65.00	1285	91.00	658	141.00	2131
42.00	401	66.00	169	92.00	5950	143.00	2079
43.00	195	67.00	481	93.00	8783	155.00	525
44.00	536	68.00	20448	94.00	23816	156.00	168
45.00	1096	69.00	20392	95.00	208704	157.00	183
46.00	178	70.00	1602	96.00	14872	159.00	344
47.00	2400	72.00	993	97.00	200	172.00	1813
48.00	1482	73.00	8919	104.00	434	173.00	1311
49.00	6859	74.00	32144	105.00	200	174.00	171520
50.00	37152	75.00	100944	106.00	661	175.00	12700
51.00	11796	76.00	8398	116.00	646	176.00	167040
52.00	476	77.00	1555	117.00	1276	177.00	10864
55.00	290	78.00	881	118.00	546	178.00	437
56.00	2643	79.00	4301	119.00	1181		
57.00	4597	80.00	990	128.00	642		
60.00	1657	81.00	4230	129.00	194		
61.00	9571	82.00	945	130.00	629		

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40823B-IC.b\BFB211.D
Date : 23-AUG-2004 15:50
Client ID: 50NG BFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20M

Instrument: a3ux11.i

Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\BFB214.D

Date : 25-AUG-2004 07:54

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

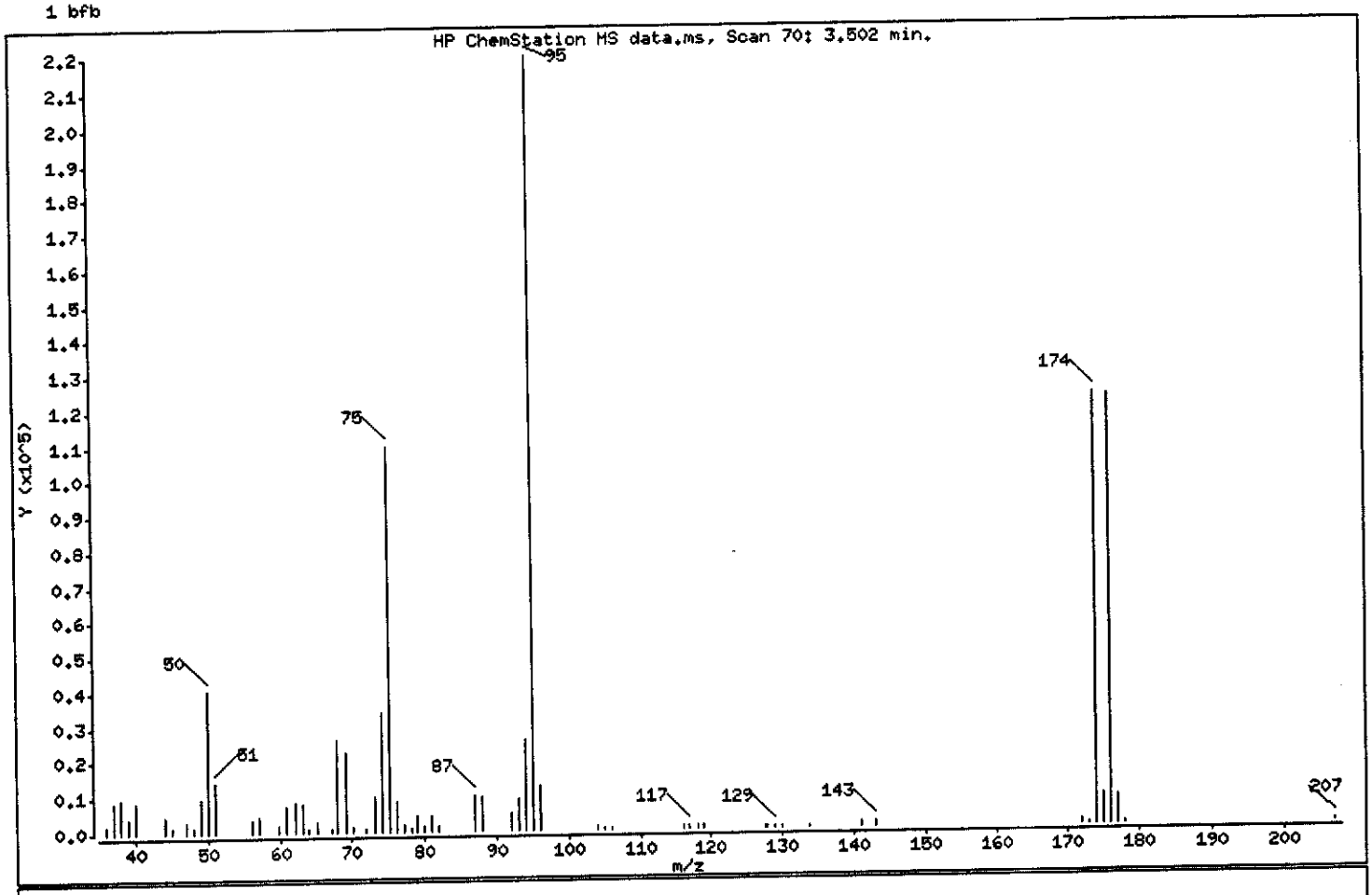
Volume Injected (uL): 1.0

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	18.39
75	30.00 - 60.00% of mass 95	49.94
96	5.00 - 9.00% of mass 95	5.84
173	Less than 2.00% of mass 174	0.26 (0.46)
174	50.00 - 100.00% of mass 95	55.78
175	5.00 - 9.00% of mass 174	3.86 (6.92)
176	95.00 - 101.00% of mass 174	55.56 (99.61)
177	5.00 - 9.00% of mass 176	3.73 (6.71)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\BFB214.D

Date : 25-AUG-2004 07:54

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

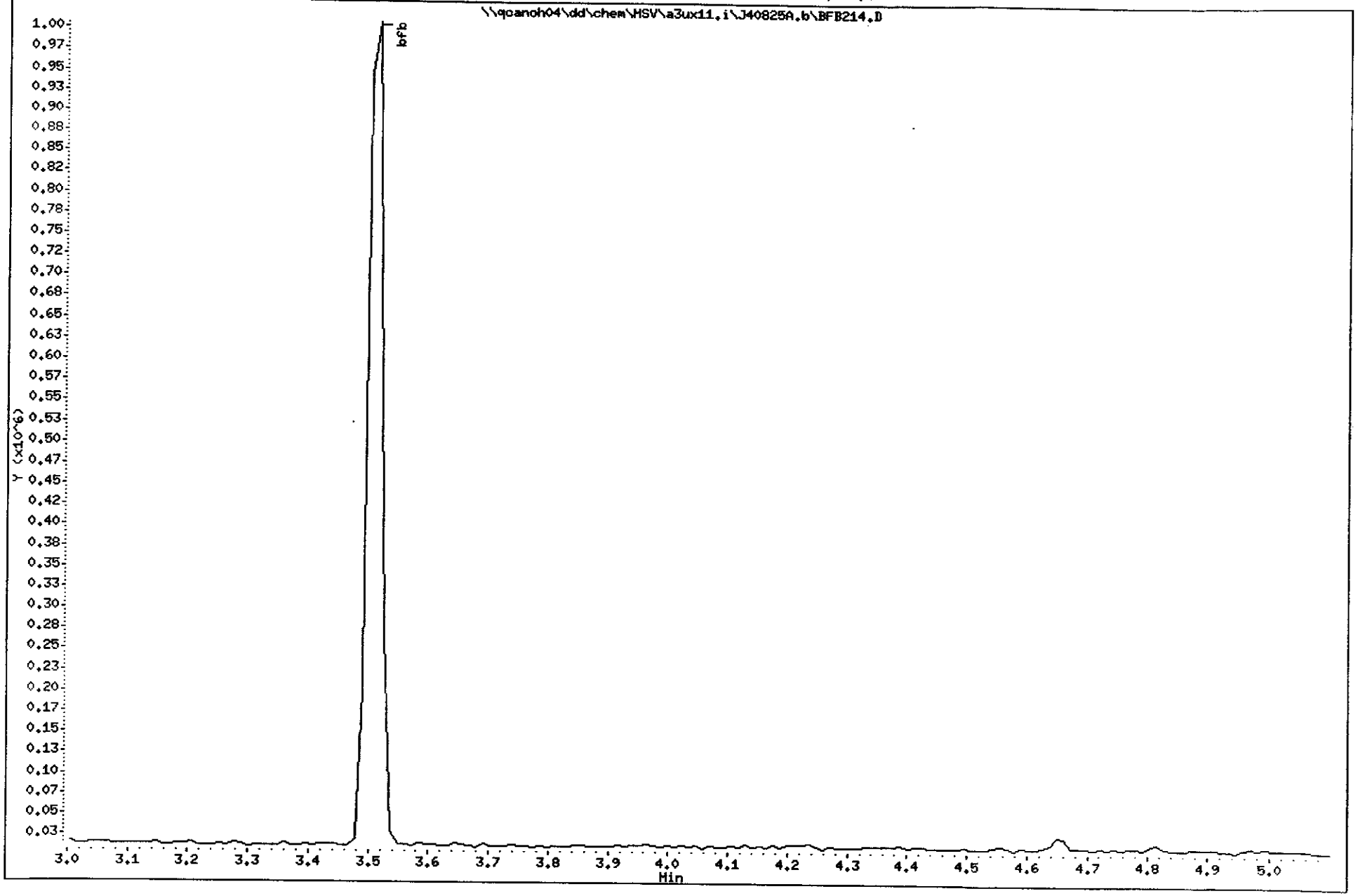
Data File: BFB214.D
Spectrum: HP ChemStation MS data.ms, Scan 70: 3.502 min.
Location of Maximum: 95.10
Number of points: 64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1955	63.10	7879	82.00	1300	129.00	708
37.10	8820	63.90	1054	87.00	9936	130.00	627
38.10	9385	65.10	2989	88.00	9574	133.70	588
39.10	3942	67.10	800	92.00	5200	140.90	1371
40.00	8652	68.00	26240	93.10	9287	143.00	1754
44.00	4482	69.10	22736	94.10	26000	171.90	1301
45.00	1766	70.10	1729	95.10	220160	173.00	566
47.10	2913	71.90	808	96.00	12847	174.00	122808
48.00	1543	73.10	9877	104.00	892	175.00	8502
49.00	9613	74.10	33976	105.00	507	176.00	122328
50.10	40488	75.10	109944	106.00	633	177.00	8211
51.10	14144	76.10	8753	116.10	967	178.00	609
56.00	3571	77.10	1783	117.00	1241	207.10	537
57.10	4601	78.10	1144	118.10	1139		
59.90	2012	79.00	4373	118.90	852		
61.00	7641	80.00	1712	127.80	642		
62.10	8561	80.90	4551	128.00	661		

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40825A.b\BFB214.D
Date : 25-AUG-2004 07:54
Client ID: 50NG BFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20M

Instrument: a3ux11.i

Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\BFB215.D

Date : 25-AUG-2004 19:54

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info: BFB215

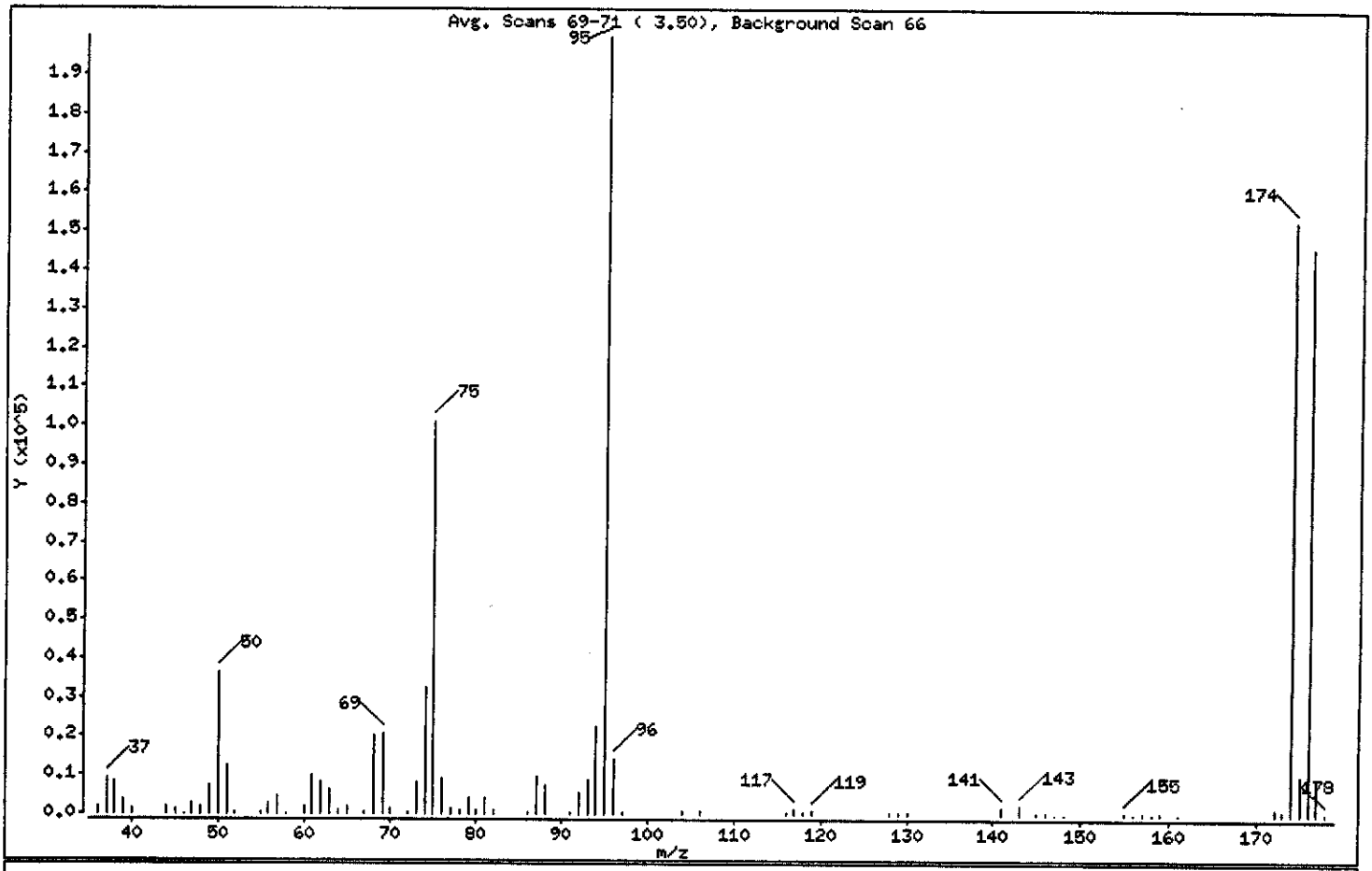
Volume Injected (uL): 1.0

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	18.26
75	30.00 - 60.00% of mass 95	50.54
96	5.00 - 9.00% of mass 95	7.03
173	Less than 2.00% of mass 174	0.49 (0.63)
174	50.00 - 100.00% of mass 95	76.64
175	5.00 - 9.00% of mass 174	5.05 (6.59)
176	95.00 - 101.00% of mass 174	73.19 (95.51)
177	5.00 - 9.00% of mass 176	4.64 (6.34)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\BFB215.D

Date : 25-AUG-2004 19:54

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info: BFB215

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

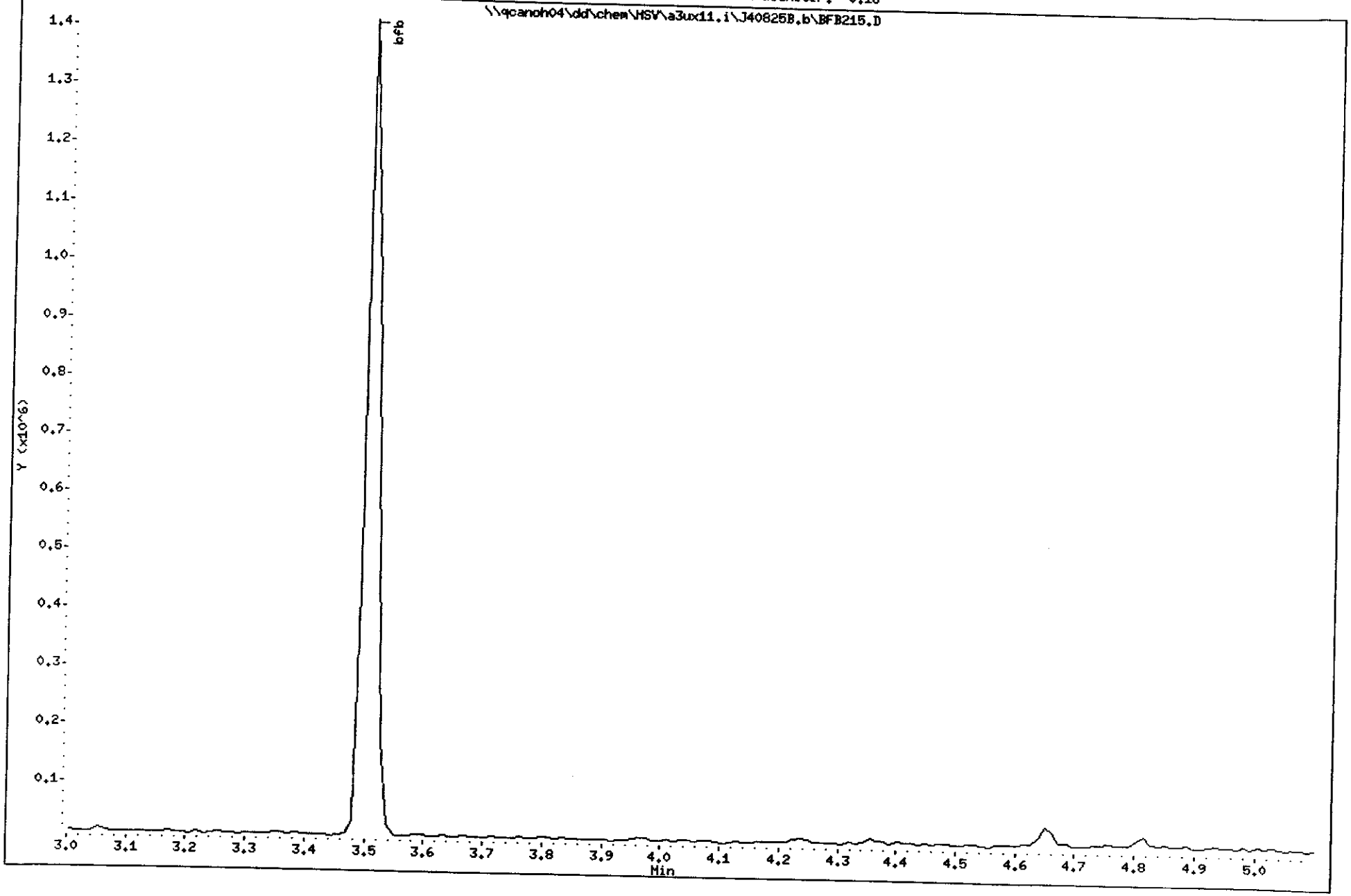
Data File: BFB215.D
Spectrum: Avg. Scans 69-71 (3.50), Background Scan 66
Location of Maximum: 95.00
Number of points: 77

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1914	62.00	8403	87.00	9529	145.00	444
37.00	9081	63.00	6430	88.00	7302	146.00	283
38.00	8270	64.00	1025	91.00	628	147.00	206
39.00	3486	65.00	1677	92.00	5731	148.00	169
40.00	1338	67.00	419	93.00	8548	155.00	492
44.00	1795	68.00	20408	94.00	22352	156.00	184
45.00	1383	69.00	20584	95.00	199680	157.00	250
46.00	187	70.00	1393	96.00	14030	158.00	169
47.00	2868	72.00	429	97.00	239	159.00	297
48.00	1701	73.00	8036	104.00	748	161.00	208
49.00	7392	74.00	32512	106.00	894	172.00	1392
50.00	36456	75.00	100928	116.00	242	173.00	969
51.00	12254	76.00	9200	117.00	1313	174.00	153024
52.00	476	77.00	1205	118.00	654	175.00	10088
55.00	316	78.00	1049	119.00	1095	176.00	146112
56.00	2808	79.00	4322	128.00	615	177.00	9269
57.00	4539	80.00	893	129.00	389	178.00	429
58.00	198	81.00	4173	130.00	553		
60.00	1949	82.00	1094	141.00	1905		
61.00	9876	86.00	438	143.00	2326		

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\BFB215.D
Date : 25-AUG-2004 19:54
Client ID: 50NG BFB
Sample Info: BFB215
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 #...: A4H180231 **Work Order #...:** GNX4R1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H260000-141 GNX4R1AD-LCSD
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4239141
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	60	(22 - 200)			SW846 8260B
	63	(22 - 200)	4.8	(0-95)	SW846 8260B
Benzene	**99**	**(80 - 116)**			**SW846 8260B**
	101	**(80 - 116)**	**2.6**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	105	(87 - 130)			SW846 8260B
	105	(87 - 130)	0.040	(0-30)	SW846 8260B
Bromoform	117	(76 - 150)			SW846 8260B
	117	(76 - 150)	0.67	(0-30)	SW846 8260B
Bromomethane	74	(64 - 129)			SW846 8260B
	76	(64 - 129)	2.9	(0-30)	SW846 8260B
2-Butanone	70	(28 - 237)			SW846 8260B
	70	(28 - 237)	0.14	(0-65)	SW846 8260B
Carbon disulfide	94	(73 - 139)			SW846 8260B
	96	(73 - 139)	2.7	(0-30)	SW846 8260B
Carbon tetrachloride	101	(75 - 149)			SW846 8260B
	102	(75 - 149)	0.96	(0-30)	SW846 8260B
Chlorobenzene	**97**	**(76 - 117)**			**SW846 8260B**
	96	**(76 - 117)**	**1.6**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	109	(81 - 138)			SW846 8260B
	110	(81 - 138)	0.72	(0-30)	SW846 8260B
Chloroethane	80	(66 - 126)			SW846 8260B
	80	(66 - 126)	0.49	(0-30)	SW846 8260B
Chloroform	97	(84 - 128)			SW846 8260B
	102	(84 - 128)	5.3	(0-30)	SW846 8260B
Chloromethane	80	(48 - 123)			SW846 8260B
	81	(48 - 123)	0.95	(0-30)	SW846 8260B
1,1-Dichloroethane	101	(86 - 123)			SW846 8260B
	102	(86 - 123)	0.85	(0-30)	SW846 8260B
1,2-Dichloroethane	99	(79 - 136)			SW846 8260B
	103	(79 - 136)	4.2	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	99	(85 - 113)			SW846 8260B
	100	(85 - 113)	1.3	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	101	(79 - 120)			SW846 8260B
	103	(79 - 120)	2.2	(0-30)	SW846 8260B
1,1-Dichloroethene	**102**	**(63 - 130)**			**SW846 8260B**
	105	**(63 - 130)**	**3.0**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	100	(82 - 116)			SW846 8260B
	102	(82 - 116)	1.8	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNX4R1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H260000-141 GNX4R1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	98	(82 - 115)			SW846 8260B
	101	(82 - 115)	3.7	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	99	(84 - 130)			SW846 8260B
	101	(84 - 130)	1.6	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	97	(84 - 130)			SW846 8260B
	95	(84 - 130)	1.9	(0-30)	SW846 8260B
Ethylbenzene	90	(86 - 116)			SW846 8260B
	90	(86 - 116)	0.020	(0-30)	SW846 8260B
2-Hexanone	79	(35 - 200)			SW846 8260B
	75	(35 - 200)	5.7	(0-52)	SW846 8260B
Methylene chloride	98	(78 - 118)			SW846 8260B
	104	(78 - 118)	6.1	(0-30)	SW846 8260B
4-Methyl-2-pentanone	94	(78 - 141)			SW846 8260B
	93	(78 - 141)	1.3	(0-32)	SW846 8260B
Styrene	90	(85 - 117)			SW846 8260B
	89	(85 - 117)	1.7	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	107	(85 - 118)			SW846 8260B
	107	(85 - 118)	0.25	(0-30)	SW846 8260B
Tetrachloroethene	95	(88 - 113)			SW846 8260B
	91	(88 - 113)	5.1	(0-30)	SW846 8260B
Toluene	**103**	**(74 - 119)**			**SW846 8260B**
	102	**(74 - 119)**	**1.1**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	99	(78 - 140)			SW846 8260B
	103	(78 - 140)	3.7	(0-30)	SW846 8260B
1,1,2-Trichloroethane	97	(83 - 122)			SW846 8260B
	95	(83 - 122)	1.8	(0-30)	SW846 8260B
Trichloroethene	**98**	**(75 - 122)**			**SW846 8260B**
	99	**(75 - 122)**	**1.2**	**(0-20)**	**SW846 8260B**
Vinyl chloride	83	(61 - 120)			SW846 8260B
	87	(61 - 120)	5.1	(0-30)	SW846 8260B
Xylenes (total)	92	(87 - 116)			SW846 8260B
	89	(87 - 116)	2.6	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
	98	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
	100	(61 - 128)
Toluene-d8	97	(76 - 110)
	95	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	92	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNX4R1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H260000-141 GNX4R1AD-LCSD

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 #...: A4H180231 **Work Order #...:** GNX4R1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H260000-141 GNX4R1AD-LCSD
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4239141
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acetone	10	6.0	ug/L	60		SW846 8260B
	10	6.3	ug/L	63	4.8	SW846 8260B
Benzene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**10**	**ug/L**	**101**	**2.6**	**SW846 8260B**
Bromodichloromethane	10	11	ug/L	105		SW846 8260B
	10	11	ug/L	105	0.040	SW846 8260B
Bromoform	10	12	ug/L	117		SW846 8260B
	10	12	ug/L	117	0.67	SW846 8260B
Bromomethane	10	7.4	ug/L	74		SW846 8260B
	10	7.6	ug/L	76	2.9	SW846 8260B
2-Butanone	10	7.0	ug/L	70		SW846 8260B
	10	7.0	ug/L	70	0.14	SW846 8260B
Carbon disulfide	10	9.4	ug/L	94		SW846 8260B
	10	9.6	ug/L	96	2.7	SW846 8260B
Carbon tetrachloride	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	102	0.96	SW846 8260B
Chlorobenzene	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	10	**9.6**	**ug/L**	**96**	**1.6**	**SW846 8260B**
Dibromochloromethane	10	11	ug/L	109		SW846 8260B
	10	11	ug/L	110	0.72	SW846 8260B
Chloroethane	10	8.0	ug/L	80		SW846 8260B
	10	8.0	ug/L	80	0.49	SW846 8260B
Chloroform	10	9.7	ug/L	97		SW846 8260B
	10	10	ug/L	102	5.3	SW846 8260B
Chloromethane	10	8.0	ug/L	80		SW846 8260B
	10	8.1	ug/L	81	0.95	SW846 8260B
1,1-Dichloroethane	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	102	0.85	SW846 8260B
1,2-Dichloroethane	10	9.9	ug/L	99		SW846 8260B
	10	10	ug/L	103	4.2	SW846 8260B
cis-1,2-Dichloroethene	10	9.9	ug/L	99		SW846 8260B
	10	10	ug/L	100	1.3	SW846 8260B
trans-1,2-Dichloroethene	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	103	2.2	SW846 8260B
1,1-Dichloroethene	**10**	**10**	**ug/L**	**102**		**SW846 8260B**
	10	**10**	**ug/L**	**105**	**3.0**	**SW846 8260B**
1,2-Dichloroethene (total)	20	20	ug/L	100		SW846 8260B
	20	20	ug/L	102	1.8	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNX4R1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H260000-141 GNX4R1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dichloropropane	10	9.8	ug/L	98		SW846 8260B
	10	10	ug/L	101	3.7	SW846 8260B
cis-1,3-Dichloropropene	10	9.9	ug/L	99		SW846 8260B
	10	10	ug/L	101	1.6	SW846 8260B
trans-1,3-Dichloropropene	10	9.7	ug/L	97		SW846 8260B
	10	9.5	ug/L	95	1.9	SW846 8260B
Ethylbenzene	10	9.0	ug/L	90		SW846 8260B
	10	9.0	ug/L	90	0.020	SW846 8260B
2-Hexanone	10	7.9	ug/L	79		SW846 8260B
	10	7.5	ug/L	75	5.7	SW846 8260B
Methylene chloride	10	9.8	ug/L	98		SW846 8260B
	10	10	ug/L	104	6.1	SW846 8260B
4-Methyl-2-pentanone	10	9.4	ug/L	94		SW846 8260B
	10	9.3	ug/L	93	1.3	SW846 8260B
Styrene	10	9.0	ug/L	90		SW846 8260B
	10	8.9	ug/L	89	1.7	SW846 8260B
1,1,2,2-Tetrachloroethane	10	11	ug/L	107		SW846 8260B
	10	11	ug/L	107	0.25	SW846 8260B
Tetrachloroethene	10	9.5	ug/L	95		SW846 8260B
	10	9.1	ug/L	91	5.1	SW846 8260B
Toluene	**10**	**10**	**ug/L**	**103**		**SW846 8260B**
	10	**10**	**ug/L**	**102**	**1.1**	**SW846 8260B**
1,1,1-Trichloroethane	10	9.9	ug/L	99		SW846 8260B
	10	10	ug/L	103	3.7	SW846 8260B
1,1,2-Trichloroethane	10	9.7	ug/L	97		SW846 8260B
	10	9.5	ug/L	95	1.8	SW846 8260B
Trichloroethene	**10**	**9.8**	**ug/L**	**98**		**SW846 8260B**
	10	**9.9**	**ug/L**	**99**	**1.2**	**SW846 8260B**
Vinyl chloride	10	8.3	ug/L	83		SW846 8260B
	10	8.7	ug/L	87	5.1	SW846 8260B
Xylenes (total)	30	27	ug/L	92		SW846 8260B
	30	27	ug/L	89	2.6	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
	98	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
	100	(61 - 128)
Toluene-d8	97	(76 - 110)
	95	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	92	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

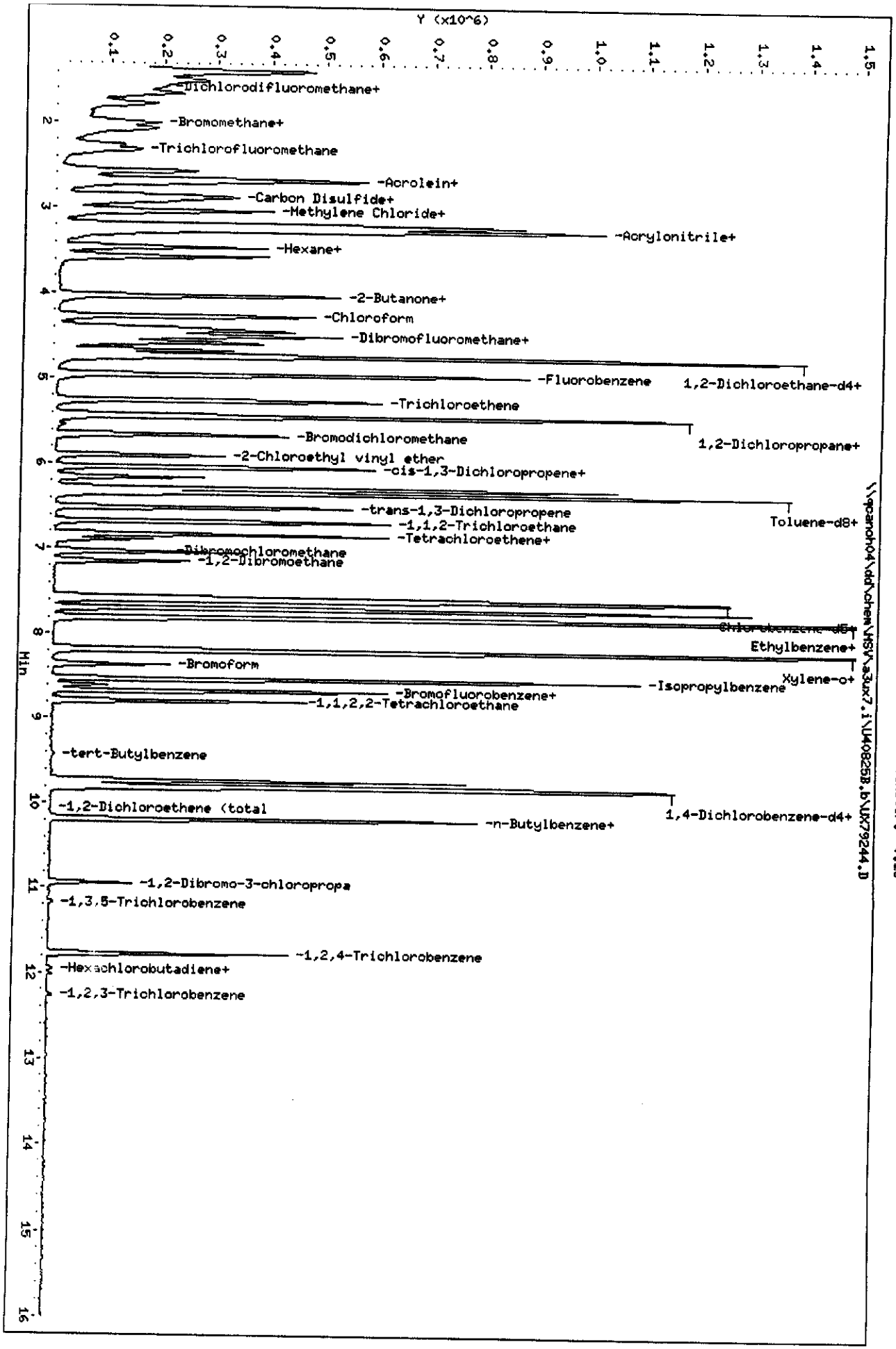
GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNX4R1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H260000-141 GNX4R1AD-LCSD

NOTE(S):

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

Bold print denotes control parameters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Client ID:
Sample Info: LCS
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Fluorobenzene
1,2-Dichloroethane-d4+
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene+
-trans-1,3-Dichloropropene
Toluene-d8+
-1,1,2-Trichloroethane
-Tetrachloroethene+
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene+
-Bromoform
Xylene-o+
-Isopropylbenzene
-Bromofluorobenzene+
-1,1,2,2-Tetrachloroethane
-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\U408258.b\UX79244.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79244.D
Report Date: 26-Aug-2004 11:40

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79244.D
Lab Smp Id: GNX4R1AC
Inj Date : 25-AUG-2004 22:22
Operator : 1754 Inst ID: a3ux7.i
Smp Info : LCS
Misc Info : U40825B,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m
Meth Date : 26-Aug-2004 11:28 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)	903960	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	617697	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.791	(1.000)	257740	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.395	(0.888)	194664	48.3779	9.676
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	285286	47.3589	9.472
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	768581	48.2736	9.655
$ 7 Bromofluorobenzene	95	8.668	8.667	(1.145)	245260	48.3110	9.662
8 Dichlorodifluoromethane	85	1.580	1.579	(0.319)	188308	39.3365	7.867
9 Chloromethane	50	1.651	1.650	(0.333)	309504	39.9818	7.996
10 Vinyl Chloride	62	1.769	1.768	(0.357)	309492	41.4365	8.287
11 Bromomethane	94	2.006	2.005	(0.405)	200153	36.9717	7.394
12 Chloroethane	64	2.077	2.076	(0.419)	223016	39.9536	7.991
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	386314	51.9609	10.392
15 Acrolein	56	2.562	2.561	(0.517)	411362	470.226	94.045
16 Acetone	43	2.680	2.668	(0.541)	89149	30.1224	6.024
17 1,1-Dichloroethene	96	2.668	2.668	(0.539)	225497	50.8789	10.176
18 Freon-113	151	2.692	2.691	(0.544)	158139	58.4493	11.690
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79244.D
Report Date: 26-Aug-2004 11:40

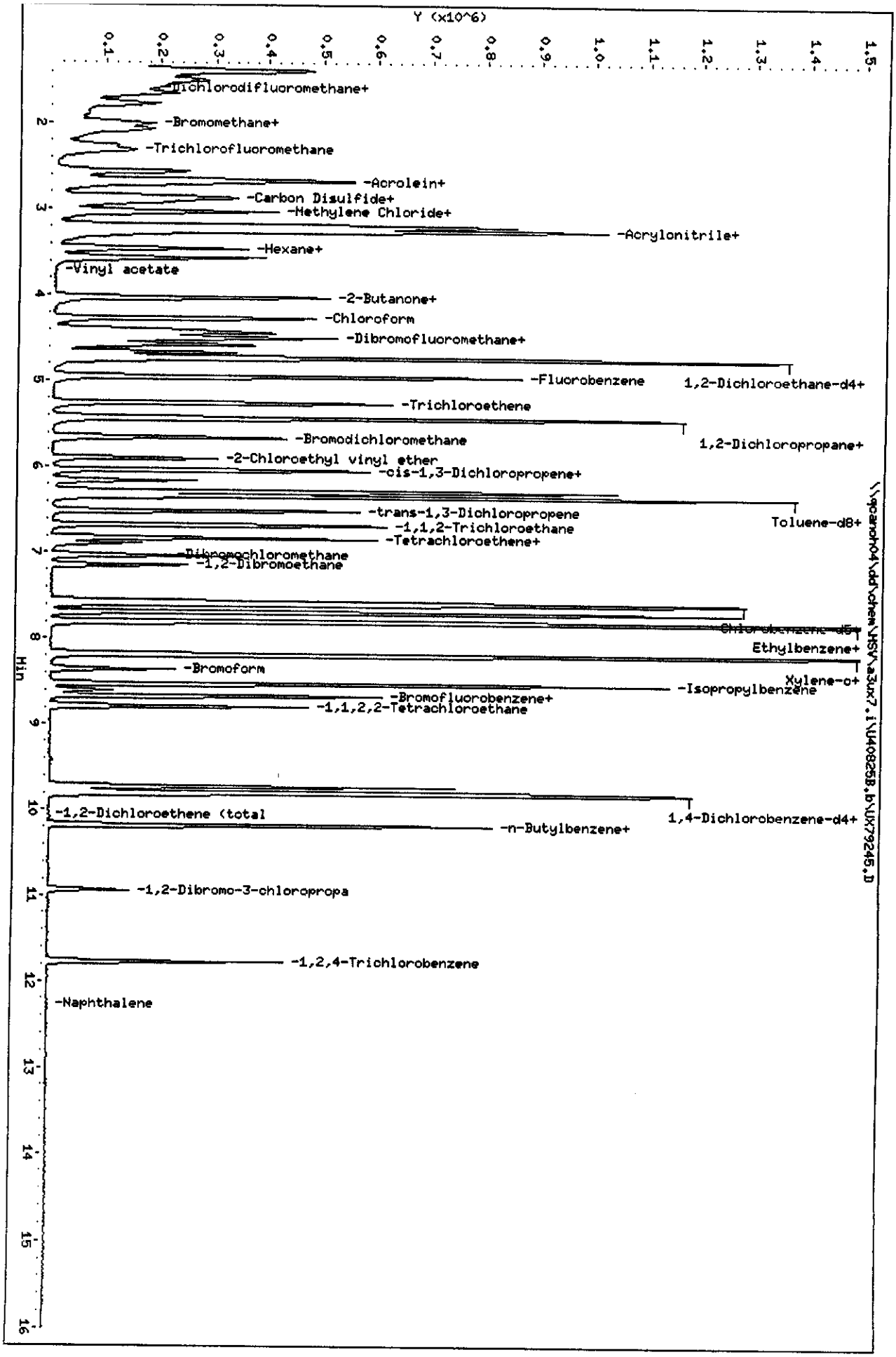
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.858	2.857	(0.577)	831930	46.7732	9.355
	21 Methylene Chloride	84	3.035	3.035	(0.613)	290724	48.9462	9.789
	22 Acetonitrile	41	2.893	2.893	(0.584)	328614	543.235	108.65
	23 Acrylonitrile	53	3.201	3.200	(0.646)	1016940	508.336	101.67
	24 Methyl tert-butyl ether	73	3.248	3.248	(0.656)	620360	52.4103	10.482
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	258503	50.3739	10.075
	26 Hexane	86	3.461	3.461	(0.699)	39500	45.3316	9.066
	27 Vinyl acetate	43	3.627	3.591	(0.732)	763	2.00084	0.4002
	28 1,1-Dichloroethane	63	3.568	3.567	(0.720)	472171	50.7328	10.146
	29 tert-Butyl Alcohol	59	3.106	3.094	(0.627)	12789	71.6168	14.323
	30 2-Butanone	43	4.017	4.017	(0.811)	96383	34.9899	6.998
M	31 1,2-Dichloroethene (total)	96				507764	99.7501	19.950
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	249261	49.3762	9.875
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.266	4.265	(0.861)	432422	48.2603	9.652
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	356494	49.6613	9.932
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	279842	50.4221	10.084
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	382976	49.5071	9.901
	41 Benzene	78	4.727	4.727	(0.955)	1059927	49.3590	9.872
	42 Trichloroethene	130	5.260	5.259	(1.062)	214806	49.1289	9.826
	43 1,2-Dichloropropane	63	5.437	5.437	(1.098)	256982	48.8363	9.767
	44 1,4-Dioxane	88	5.544	5.543	(1.119)	12430	422.847	84.569(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.662	5.661	(1.143)	339780	52.5931	10.519
	47 2-Chloroethyl vinyl ether	63	5.899	5.898	(1.191)	147201	51.6224	10.324
	48 cis-1,3-Dichloropropene	75	6.041	6.040	(1.220)	365260	49.6364	9.927
	49 4-Methyl-2-pentanone	43	6.159	6.158	(1.244)	206775	47.0681	9.414
	50 Toluene	91	6.337	6.336	(0.837)	1067577	51.4729	10.294
	51 trans-1,3-Dichloropropene	75	6.514	6.513	(0.861)	317723	48.6793	9.736
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.680	6.679	(0.883)	214692	48.3820	9.676
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.834	6.833	(0.903)	135965	47.6533	9.531
	56 2-Hexanone	43	6.893	6.892	(0.911)	135232	39.6072	7.921
	57 Dibromochloromethane	129	7.035	7.034	(0.930)	196922	54.4285	10.886
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	200017	51.1462	10.229
	59 Chlorobenzene	112	7.603	7.602	(1.005)	606361	48.5954	9.719
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.697	7.697	(1.017)	302647	45.1689	9.034
	62 m + p-Xylene	106	7.804	7.803	(1.031)	792775	92.4037	18.481
M	63 Xylenes (total)	106				1165652	137.484	27.497
	64 Xylene-o	106	8.182	8.182	(1.081)	372877	45.0803	9.016
	65 Styrene	104	8.182	8.182	(1.081)	672595	45.2078	9.042
	66 Bromoform	173	8.360	8.359	(1.105)	106841	58.6644	11.733

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79244.D
Report Date: 26-Aug-2004 11:40

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)	780544	47.3449	9.469
68 1,1,2,2-Tetrachloroethane	83	8.786	8.785	(0.897)	293043	53.5888	10.718
69 1,4-Dichloro-2-butene	53	8.597	8.844	(0.878)	2733	1.54445	0.3089
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	9.413	9.412	(0.961)	3506	4.19104	0.8382
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	9.756	9.767	(0.996)	4795	4.57039	0.9141
80 1,3-Dichlorobenzene	146	9.733	9.732	(0.994)	340900	48.0964	9.619
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	383086	50.4828	10.096
82 n-Butylbenzene	91	10.159	10.170	(1.037)	10059	4.45848	0.8917
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	344359	48.0325	9.606
84 1,2-Dibromo-3-chloropropane	157	10.940	10.939	(1.117)	42473	58.9559	11.791
85 1,2,4-Trichlorobenzene	180	11.780	11.779	(1.203)	144103	47.7736	9.555
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	2625	2.26630	0.4533
87 Naphthalene	128	12.016	12.016	(1.227)	9445	5.78114	1.156
88 1,2,3-Trichlorobenzene	180	12.265	12.264	(1.253)	5254	5.04527	1.009
98 Cyclohexane	56	4.502	4.502	(0.909)	331812	43.0364	8.607
143 Methyl Acetate	43	2.941	2.928	(0.594)	181074	51.8450	10.369
144 Methylcyclohexane	83	5.437	5.437	(1.098)	258360	42.9030	8.581
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	4252	1.21438	0.2429

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 25-AUG-2004 22:46
Client ID: GRX4 B/A D
Sample Info: LCSD
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-Vinyl acetate
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Fluorobenzene
1,2-Dichloroethane-d4+
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene+
-trans-1,3-Dichloropropene
Toluene-d8+
-1,1,2-Trichloroethane
-Tetrachloroethene+
Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene+
-Bromoform
Xylene-o+
-Isopropylbenzene
-Bromofluorobenzene+
-1,1,2,2-Tetrachloroethane
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
Min
\\qcanoh04\dd\chem\HSV\a3ux7.i\U40825B.b\UX79245.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79245.D
Report Date: 26-Aug-2004 11:40

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79245.D
Lab Smp Id: GNX4R1AD
Inj Date : 25-AUG-2004 22:46
Operator : 1754 Inst ID: a3ux7.i
Smp Info : LCSD
Misc Info : U40825B,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m
Meth Date : 26-Aug-2004 11:28 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 34 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)	875047	50.0000	
* 2 Chlorobenzene-d5	117	7.566	7.567	(1.000)	630628	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	251987	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.395	(0.888)	190280	48.8509	9.770
$ 5 1,2-Dichloroethane-d4	65	4.667	4.668	(0.943)	291710	50.0254	10.005
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	771792	47.4813	9.496
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	238283	45.9742	9.195
8 Dichlorodifluoromethane	85	1.591	1.579	(0.321)	180256	38.8987	7.780
9 Chloromethane	50	1.650	1.650	(0.333)	302430	40.3662	8.073
10 Vinyl Chloride	62	1.768	1.768	(0.357)	315127	43.5897	8.718
11 Bromomethane	94	2.005	2.005	(0.405)	200030	38.0432	7.609
12 Chloroethane	64	2.064	2.076	(0.417)	217050	40.1572	8.031
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	375559	52.1834	10.437
15 Acrolein	56	2.561	2.561	(0.517)	398486	470.559	94.112
16 Acetone	43	2.680	2.668	(0.541)	89769	31.5933	6.319
17 1,1-Dichloroethene	96	2.668	2.668	(0.539)	224942	52.4307	10.486
18 Freon-113	151	2.691	2.691	(0.544)	148131	56.5593	11.312
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79245.D
Report Date: 26-Aug-2004 11:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.857	2.857	(0.577)	827292	48.0493	9.610
	21 Methylene Chloride	84	3.034	3.035	(0.613)	297748	52.0271	10.405
	22 Acetonitrile	41	2.893	2.893	(0.584)	284222	485.375	97.075
	23 Acrylonitrile	53	3.200	3.200	(0.646)	1000096	516.434	103.29
	24 Methyl tert-butyl ether	73	3.247	3.248	(0.656)	610003	53.2381	10.648
	25 trans-1,2-Dichloroethene	96	3.247	3.248	(0.656)	255822	51.4986	10.300
	26 Hexane	86	3.460	3.461	(0.699)	41094	48.5283	9.706
	27 Vinyl acetate	43	3.602	3.591	(0.728)	376	1.95905	0.3918
	28 1,1-Dichloroethane	63	3.567	3.567	(0.720)	460976	51.1665	10.233
	29 tert-Butyl Alcohol	59	3.046	3.094	(0.615)	405	34.6483	6.930
	30 2-Butanone	43	4.017	4.017	(0.811)	93431	35.0390	7.008
M	31 1,2-Dichloroethene (total)	96				500353	101.538	20.308
	32 cis-1,2-dichloroethene	96	4.028	4.029	(0.814)	244531	50.0398	10.008
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.265	4.265	(0.861)	441494	50.9008	10.180
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	358240	51.5535	10.311
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	273517	50.9109	10.182
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	386747	51.6465	10.329
	41 Benzene	78	4.738	4.727	(0.957)	1052933	50.6534	10.131
	42 Trichloroethene	130	5.259	5.259	(1.062)	210524	49.7405	9.948
	43 1,2-Dichloropropane	63	5.437	5.437	(1.098)	258204	50.6898	10.138
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.661	5.661	(1.143)	329067	52.6178	10.524
	47 2-Chloroethyl vinyl ether	63	5.898	5.898	(1.191)	141122	51.1886	10.238
	48 cis-1,3-Dichloropropene	75	6.040	6.040	(1.220)	359267	50.4352	10.087
	49 4-Methyl-2-pentanone	43	6.158	6.158	(1.244)	197194	46.4604	9.292
	50 Toluene	91	6.336	6.336	(0.837)	1077709	50.8960	10.179
	51 trans-1,3-Dichloropropene	75	6.513	6.513	(0.861)	318138	47.7434	9.549
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.679	6.679	(0.883)	215204	47.5029	9.500
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	131944	45.2958	9.059
	56 2-Hexanone	43	6.892	6.892	(0.911)	128863	37.4130	7.483
	57 Dibromochloromethane	129	7.034	7.034	(0.930)	202503	54.8233	10.965
	58 1,2-Dibromoethane	107	7.140	7.141	(0.944)	204496	51.2193	10.244
	59 Chlorobenzene	112	7.602	7.602	(1.005)	609090	47.8131	9.563
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.697	7.697	(1.017)	309077	45.1818	9.036
	62 m + p-Xylene	106	7.803	7.803	(1.031)	788463	90.1408	18.028
M	63 Xylenes (total)	106				1157858	133.968	26.794
	64 Xylene-o	106	8.182	8.182	(1.081)	369395	43.8267	8.765
	65 Styrene	104	8.182	8.182	(1.081)	674464	44.4616	8.892
	66 Bromoform	173	8.359	8.359	(1.105)	108253	58.2678	11.654

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79245.D
Report Date: 26-Aug-2004 11:40

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)	772607	46.0185	9.204
68 1,1,2,2-Tetrachloroethane	83	8.785	8.785	(0.897)	285797	53.4569	10.691
69 1,4-Dichloro-2-butene	53	8.596	8.844	(0.878)	2930	1.69358	0.3387
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)	341274	49.2484	9.850
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	378612	51.0323	10.206
82 n-Butylbenzene	91	10.158	10.170	(1.037)	928	3.73396	0.7468
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	343787	49.0475	9.809
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	40030	56.8334	11.367
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	138686	47.0274	9.405
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.027	12.016	(1.228)	969	5.04927	1.010
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.502	4.502	(0.909)	330205	44.1471	8.829
143 Methyl Acetate	43	2.940	2.928	(0.594)	172607	51.0537	10.211
144 Methylcyclohexane	83	5.437	5.437	(1.098)	248356	42.6300	8.526
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GN7MP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H300000-253 GN7MP1AD-LCSD
Prep Date.....: 08/27/04 **Analysis Date..:** 08/27/04
Prep Batch #...: 4243253
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	50	(22 - 200)			SW846 8260B
	47	(22 - 200)	6.3	(0-95)	SW846 8260B
Benzene	**96**	**(80 - 116)**			**SW846 8260B**
	94	**(80 - 116)**	**1.7**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	101	(87 - 130)			SW846 8260B
	100	(87 - 130)	1.2	(0-30)	SW846 8260B
Bromoform	122	(76 - 150)			SW846 8260B
	123	(76 - 150)	1.2	(0-30)	SW846 8260B
Bromomethane	69	(64 - 129)			SW846 8260B
	69	(64 - 129)	1.1	(0-30)	SW846 8260B
2-Butanone	66	(28 - 237)			SW846 8260B
	64	(28 - 237)	2.5	(0-65)	SW846 8260B
Carbon disulfide	88	(73 - 139)			SW846 8260B
	86	(73 - 139)	2.3	(0-30)	SW846 8260B
Carbon tetrachloride	98	(75 - 149)			SW846 8260B
	97	(75 - 149)	1.1	(0-30)	SW846 8260B
Chlorobenzene	**99**	**(76 - 117)**			**SW846 8260B**
	98	**(76 - 117)**	**1.0**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	112	(81 - 138)			SW846 8260B
	111	(81 - 138)	0.42	(0-30)	SW846 8260B
Chloroethane	75	(66 - 126)			SW846 8260B
	72	(66 - 126)	2.8	(0-30)	SW846 8260B
Chloroform	97	(84 - 128)			SW846 8260B
	94	(84 - 128)	2.7	(0-30)	SW846 8260B
Chloromethane	70	(48 - 123)			SW846 8260B
	67	(48 - 123)	4.2	(0-30)	SW846 8260B
1,1-Dichloroethane	98	(86 - 123)			SW846 8260B
	95	(86 - 123)	2.8	(0-30)	SW846 8260B
1,2-Dichloroethane	97	(79 - 136)			SW846 8260B
	96	(79 - 136)	1.0	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	96	(85 - 113)			SW846 8260B
	95	(85 - 113)	1.2	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	100	(79 - 120)			SW846 8260B
	96	(79 - 120)	3.4	(0-30)	SW846 8260B
1,1-Dichloroethene	**97**	**(63 - 130)**			**SW846 8260B**
	98	**(63 - 130)**	**0.56**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	98	(82 - 116)			SW846 8260B
	96	(82 - 116)	2.4	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GN7MP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H300000-253 GN7MP1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	97	(82 - 115)			SW846 8260B
	94	(82 - 115)	3.8	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	95	(84 - 130)			SW846 8260B
	95	(84 - 130)	0.80	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	97	(84 - 130)			SW846 8260B
	97	(84 - 130)	0.070	(0-30)	SW846 8260B
Ethylbenzene	92	(86 - 116)			SW846 8260B
	88	(86 - 116)	4.4	(0-30)	SW846 8260B
2-Hexanone	75	(35 - 200)			SW846 8260B
	73	(35 - 200)	3.4	(0-52)	SW846 8260B
Methylene chloride	90	(78 - 118)			SW846 8260B
	90	(78 - 118)	0.81	(0-30)	SW846 8260B
4-Methyl-2-pentanone	89	(78 - 141)			SW846 8260B
	85	(78 - 141)	4.2	(0-32)	SW846 8260B
Styrene	92	(85 - 117)			SW846 8260B
	90	(85 - 117)	2.5	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	113	(85 - 118)			SW846 8260B
	111	(85 - 118)	2.0	(0-30)	SW846 8260B
Tetrachloroethene	93	(88 - 113)			SW846 8260B
	99	(88 - 113)	6.6	(0-30)	SW846 8260B
Toluene	**103**	**(74 - 119)**			**SW846 8260B**
	103	**(74 - 119)**	**0.47**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	97	(78 - 140)			SW846 8260B
	96	(78 - 140)	0.67	(0-30)	SW846 8260B
1,1,2-Trichloroethane	96	(83 - 122)			SW846 8260B
	97	(83 - 122)	0.99	(0-30)	SW846 8260B
Trichloroethene	**93**	**(75 - 122)**			**SW846 8260B**
	94	**(75 - 122)**	**0.54**	**(0-20)**	**SW846 8260B**
Vinyl chloride	76	(61 - 120)			SW846 8260B
	70	(61 - 120)	8.4	(0-30)	SW846 8260B
Xylenes (total)	89	(87 - 116)			SW846 8260B
	91	(87 - 116)	1.6	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(73 - 122)
	92	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
	86	(61 - 128)
Toluene-d8	99	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	96	(74 - 116)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GN7MP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H300000-253 GN7MP1AD-LCSD

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 #...: A4H180231 **Work Order #...:** GN7MP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H300000-253 GN7MP1AD-LCSD
Prep Date.....: 08/27/04 **Analysis Date..:** 08/27/04
Prep Batch #...: 4243253
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acetone	10	5.0	ug/L	50		SW846 8260B
	10	4.7	ug/L	47	6.3	SW846 8260B
Benzene	**10**	**9.6**	**ug/L**	**96**		**SW846 8260B**
	10	**9.4**	**ug/L**	**94**	**1.7**	**SW846 8260B**
Bromodichloromethane	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	100	1.2	SW846 8260B
Bromoform	10	12	ug/L	122		SW846 8260B
	10	12	ug/L	123	1.2	SW846 8260B
Bromomethane	10	6.9	ug/L	69		SW846 8260B
	10	6.9	ug/L	69	1.1	SW846 8260B
2-Butanone	10	6.6	ug/L	66		SW846 8260B
	10	6.4	ug/L	64	2.5	SW846 8260B
Carbon disulfide	10	8.8	ug/L	88		SW846 8260B
	10	8.6	ug/L	86	2.3	SW846 8260B
Carbon tetrachloride	10	9.8	ug/L	98		SW846 8260B
	10	9.7	ug/L	97	1.1	SW846 8260B
Chlorobenzene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**9.8**	**ug/L**	**98**	**1.0**	**SW846 8260B**
Dibromochloromethane	10	11	ug/L	112		SW846 8260B
	10	11	ug/L	111	0.42	SW846 8260B
Chloroethane	10	7.5	ug/L	75		SW846 8260B
	10	7.2	ug/L	72	2.8	SW846 8260B
Chloroform	10	9.7	ug/L	97		SW846 8260B
	10	9.4	ug/L	94	2.7	SW846 8260B
Chloromethane	10	7.0	ug/L	70		SW846 8260B
	10	6.7	ug/L	67	4.2	SW846 8260B
1,1-Dichloroethane	10	9.8	ug/L	98		SW846 8260B
	10	9.5	ug/L	95	2.8	SW846 8260B
1,2-Dichloroethane	10	9.7	ug/L	97		SW846 8260B
	10	9.6	ug/L	96	1.0	SW846 8260B
cis-1,2-Dichloroethene	10	9.6	ug/L	96		SW846 8260B
	10	9.5	ug/L	95	1.2	SW846 8260B
trans-1,2-Dichloroethene	10	10	ug/L	100		SW846 8260B
	10	9.6	ug/L	96	3.4	SW846 8260B
1,1-Dichloroethene	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	10	**9.8**	**ug/L**	**98**	**0.56**	**SW846 8260B**
1,2-Dichloroethene (total)	20	20	ug/L	98		SW846 8260B
	20	19	ug/L	96	2.4	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GN7MP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H300000-253 GN7MP1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dichloropropane	10	9.7	ug/L	97		SW846 8260B
	10	9.4	ug/L	94	3.8	SW846 8260B
cis-1,3-Dichloropropene	10	9.5	ug/L	95		SW846 8260B
	10	9.5	ug/L	95	0.80	SW846 8260B
trans-1,3-Dichloropropene	10	9.7	ug/L	97		SW846 8260B
	10	9.7	ug/L	97	0.070	SW846 8260B
Ethylbenzene	10	9.2	ug/L	92		SW846 8260B
	10	8.8	ug/L	88	4.4	SW846 8260B
2-Hexanone	10	7.5	ug/L	75		SW846 8260B
	10	7.3	ug/L	73	3.4	SW846 8260B
Methylene chloride	10	9.0	ug/L	90		SW846 8260B
	10	9.0	ug/L	90	0.81	SW846 8260B
4-Methyl-2-pentanone	10	8.9	ug/L	89		SW846 8260B
	10	8.5	ug/L	85	4.2	SW846 8260B
Styrene	10	9.2	ug/L	92		SW846 8260B
	10	9.0	ug/L	90	2.5	SW846 8260B
1,1,2,2-Tetrachloroethane	10	11	ug/L	113		SW846 8260B
	10	11	ug/L	111	2.0	SW846 8260B
Tetrachloroethene	10	9.3	ug/L	93		SW846 8260B
	10	9.9	ug/L	99	6.6	SW846 8260B
Toluene	**10**	**10**	**ug/L**	**103**		**SW846 8260B**
	10	**10**	**ug/L**	**103**	**0.47**	**SW846 8260B**
1,1,1-Trichloroethane	10	9.7	ug/L	97		SW846 8260B
	10	9.6	ug/L	96	0.67	SW846 8260B
1,1,2-Trichloroethane	10	9.6	ug/L	96		SW846 8260B
	10	9.7	ug/L	97	0.99	SW846 8260B
Trichloroethene	**10**	**9.3**	**ug/L**	**93**		**SW846 8260B**
	10	**9.4**	**ug/L**	**94**	**0.54**	**SW846 8260B**
Vinyl chloride	10	7.6	ug/L	76		SW846 8260B
	10	7.0	ug/L	70	8.4	SW846 8260B
Xylenes (total)	30	27	ug/L	89		SW846 8260B
	30	27	ug/L	91	1.6	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(73 - 122)
	92	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
	86	(61 - 128)
Toluene-d8	99	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	96	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GN7MP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H300000-253 GN7MP1AD-LCSD

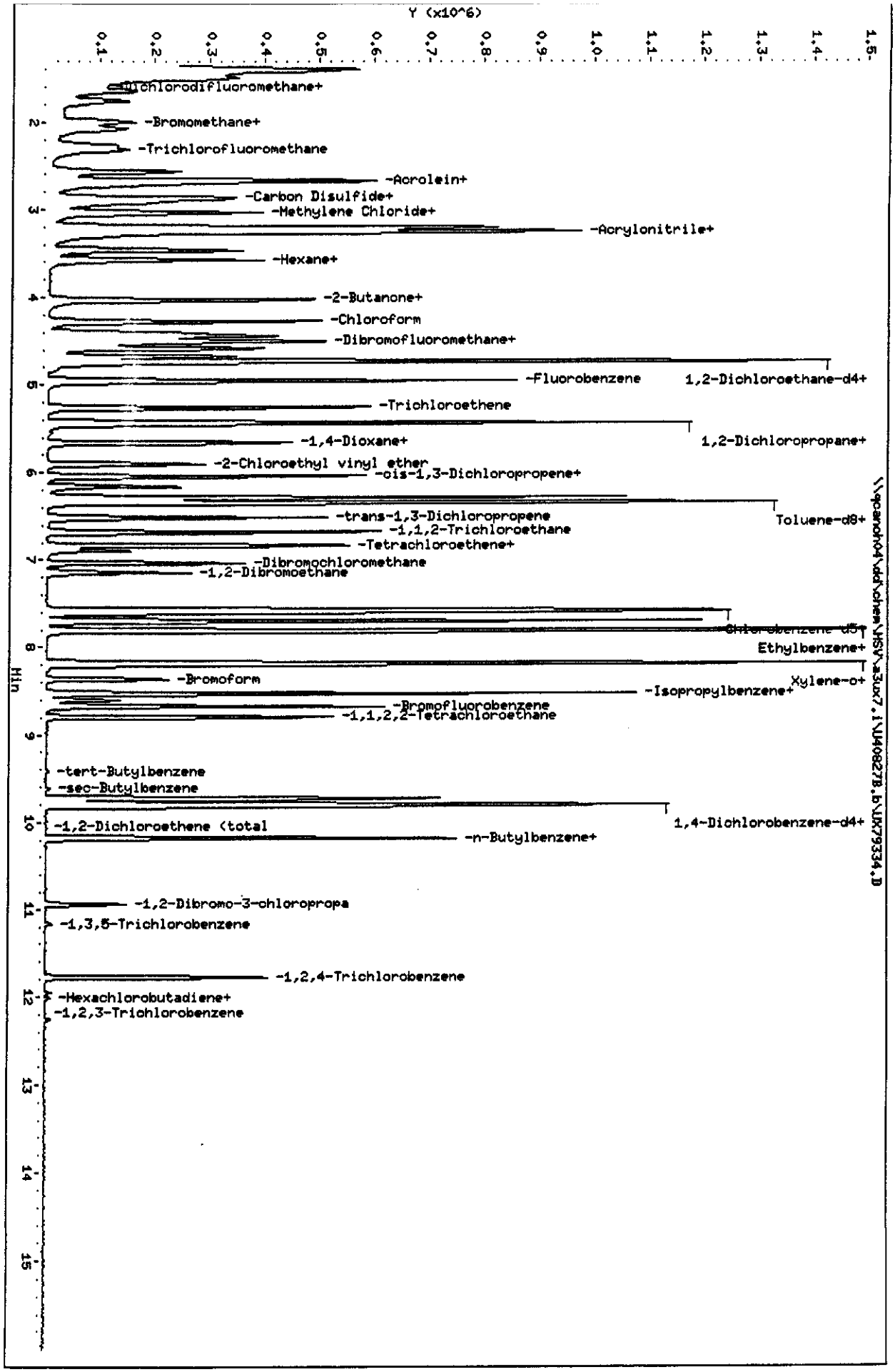
NOTE(S):

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\U408278.b\UX79334.D
Date : 27-AUG-2004 20:52
Client ID: GNTMPLAC
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\U40827B.b\UX79334.D
Report Date: 31-Aug-2004 14:05

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79334.D
Lab Smp Id: GN7MP1AC
Inj Date : 27-AUG-2004 20:52
Operator : 1754 Inst ID: a3ux7.i
Smp Info : LCS
Misc Info : U40827B,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 31-Aug-2004 14:02 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.955	4.952	(1.000)	921922	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.567	(1.000)	618436	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.792	(1.000)	243577	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.396	(0.888)	190332	46.3798	9.276
$ 5 1,2-Dichloroethane-d4	65	4.671	4.668	(0.943)	292096	47.5447	9.509
$ 6 Toluene-d8	98	6.280	6.277	(0.830)	786844	49.3616	9.872
$ 7 Bromofluorobenzene	95	8.671	8.668	(1.145)	245944	48.3878	9.678
8 Dichlorodifluoromethane	85	1.595	1.592	(0.322)	140724	28.8238	5.765
9 Chloromethane	50	1.642	1.651	(0.331)	275248	34.8009	6.960
10 Vinyl Chloride	62	1.748	1.757	(0.353)	290881	38.1981	7.640
11 Bromomethane	94	1.997	1.994	(0.403)	190386	34.7431	6.949
12 Chloroethane	64	2.080	2.077	(0.420)	211246	37.2641	7.453
13 Trichlorofluoromethane	101	2.293	2.313	(0.463)	371539	49.0000	9.800
15 Acrolein	56	2.565	2.574	(0.518)	386152	432.809	86.562
16 Acetone	43	2.683	2.680	(0.542)	78804	25.2430	5.049
17 1,1-Dichloroethene	96	2.671	2.668	(0.539)	219715	48.6084	9.722
18 Freon-113	151	2.683	2.680	(0.542)	151453	54.8875	10.978
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79334.D
Report Date: 31-Aug-2004 14:05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
20 Carbon Disulfide	76	2.861	2.858	(0.577)	798789	44.0350	8.807
21 Methylene Chloride	84	3.026	3.035	(0.611)	273482	44.8374	8.967
22 Acetonitrile	41	2.896	2.893	(0.585)	286301	464.066	92.813
23 Acrylonitrile	53	3.204	3.201	(0.647)	1004898	492.530	98.506
24 Methyl tert-butyl ether	73	3.251	3.248	(0.656)	602823	49.9364	9.987
25 trans-1,2-Dichloroethene	96	3.251	3.248	(0.656)	261009	49.8713	9.974
26 Hexane	86	3.464	3.461	(0.699)	35820	40.6371	8.127
27 Vinyl acetate	43	3.571	3.591	(0.721)	2697	2.21068	0.4421
28 1,1-Dichloroethane	63	3.571	3.568	(0.721)	465550	49.0468	9.809
29 tert-Butyl Alcohol	59	3.109	3.094	(0.628)	7280	54.7454	10.949
30 2-Butanone	43	4.020	4.017	(0.811)	92150	32.8014	6.560
M 31 1,2-Dichloroethene (total)	96				507868	97.8190	19.564
32 cis-1,2-dichloroethene	96	4.032	4.029	(0.814)	246859	47.9477	9.590
33 2,2-Dichloropropane	77	Compound Not Detected.					
34 Bromochloromethane	128	Compound Not Detected.					
35 Chloroform	83	4.269	4.266	(0.862)	443152	48.4942	9.699
36 Tetrahydrofuran	42	4.020	4.254	(0.811)	8894	6.97967	1.396
37 1,1,1-Trichloroethane	97	4.446	4.443	(0.897)	353512	48.2864	9.657
38 1,1-Dichloropropene	75	Compound Not Detected.					
39 Carbon Tetrachloride	117	4.576	4.585	(0.924)	276441	48.8389	9.768
40 1,2-Dichloroethane	62	4.730	4.727	(0.955)	384397	48.7227	9.744
41 Benzene	78	4.730	4.739	(0.955)	1048054	47.8552	9.571
42 Trichloroethene	130	5.251	5.260	(1.060)	207322	46.4934	9.299
43 1,2-Dichloropropane	63	5.428	5.437	(1.096)	260899	48.6147	9.723
44 1,4-Dioxane	88	5.547	5.532	(1.119)	6786	271.625	54.325(A)
45 Dibromomethane	93	Compound Not Detected.					
46 Bromodichloromethane	83	5.653	5.662	(1.141)	333209	50.5711	10.114
47 2-Chloroethyl vinyl ether	63	5.902	5.899	(1.191)	139254	48.3543	9.671
48 cis-1,3-Dichloropropene	75	6.032	6.041	(1.217)	357863	47.6837	9.537
49 4-Methyl-2-pentanone	43	6.162	6.159	(1.244)	197282	44.4220	8.884
50 Toluene	91	6.340	6.337	(0.837)	1071773	51.6135	10.323
51 trans-1,3-Dichloropropene	75	6.517	6.514	(0.861)	317091	48.5244	9.705
52 Ethyl Methacrylate	69	Compound Not Detected.					
53 1,1,2-Trichloroethane	97	6.671	6.680	(0.881)	212859	47.9116	9.582
54 1,3-Dichloropropane	76	Compound Not Detected.					
55 Tetrachloroethene	164	6.837	6.834	(0.903)	132529	46.3936	9.279
56 2-Hexanone	43	6.884	6.893	(0.909)	127460	37.6779	7.536
57 Dibromochloromethane	129	7.038	7.035	(0.930)	202423	55.8820	11.176
58 1,2-Dibromoethane	107	7.144	7.141	(0.944)	199056	50.8396	10.168
59 Chlorobenzene	112	7.594	7.603	(1.003)	616553	49.3531	9.871
60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
61 Ethylbenzene	106	7.700	7.697	(1.017)	310257	46.1757	9.235
62 m + p-Xylene	106	7.807	7.804	(1.031)	775352	90.3760	18.075
M 63 Xylenes (total)	106				1134674	133.871	26.774
64 Xylene-o	106	8.174	8.182	(1.080)	359322	43.4951	8.699
65 Styrene	104	8.186	8.182	(1.081)	684478	45.8987	9.180
66 Bromoform	173	8.363	8.360	(1.105)	111398	60.8333	12.167

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79334.D
Report Date: 31-Aug-2004 14:05

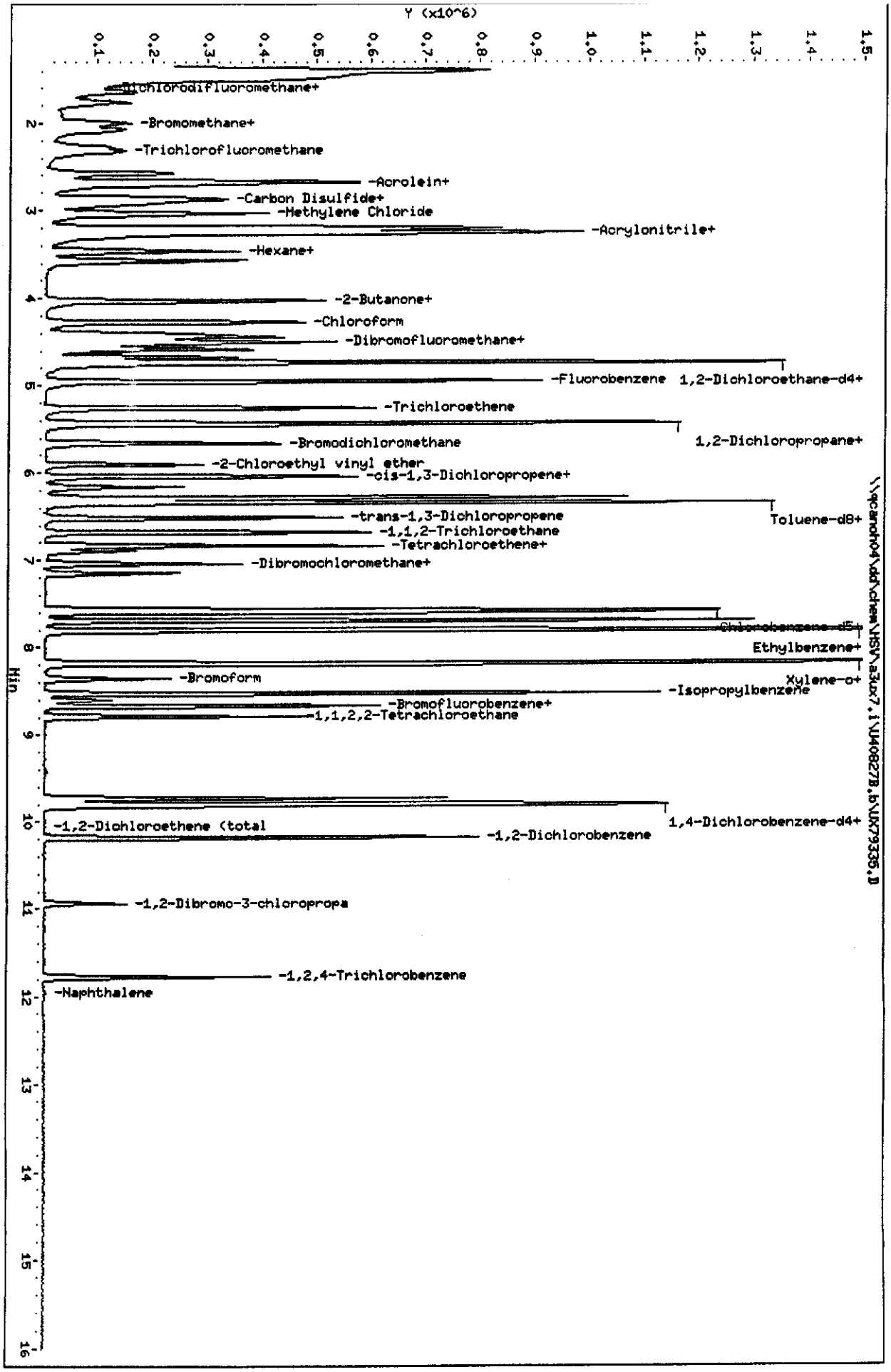
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.529	8.526	(1.127)	769786	46.6934	9.339
68 1,1,2,2-Tetrachloroethane	83	8.789	8.798	(0.897)	291981	56.4993	11.300
69 1,4-Dichloro-2-butene	53	8.600	8.845	(0.878)	3836	2.29381	0.4588
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	9.413	(0.960)	3089	4.16839	0.8337
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	9.617	9.626	(0.982)	4921	4.18614	0.8372
79 4-Isopropyltoluene	119	9.759	9.768	(0.996)	6221	4.70436	0.9409
80 1,3-Dichlorobenzene	146	9.736	9.733	(0.994)	320623	47.8658	9.573
81 1,4-Dichlorobenzene	146	9.818	9.815	(1.002)	367188	51.2014	10.240
82 n-Butylbenzene	91	10.162	10.170	(1.037)	9766	4.48033	0.8961
83 1,2-Dichlorobenzene	146	10.185	10.182	(1.040)	340645	50.2772	10.055
84 1,2-Dibromo-3-chloropropane	157	10.943	10.940	(1.117)	39952	58.6811	11.736
85 1,2,4-Trichlorobenzene	180	11.783	11.780	(1.203)	131230	46.0356	9.207
86 Hexachlorobutadiene	225	11.960	11.957	(1.221)	2889	2.63925	0.5278
87 Naphthalene	128	12.019	12.016	(1.227)	8069	5.70267	1.140
88 1,2,3-Trichlorobenzene	180	12.256	12.265	(1.251)	4686	4.95070	0.9901
98 Cyclohexane	56	4.506	4.502	(0.909)	319269	40.7976	8.160
143 Methyl Acetate	43	2.932	2.929	(0.592)	166935	46.8655	9.373
144 Methylcyclohexane	83	5.440	5.437	(1.098)	251455	41.1116	8.222
141 1,3,5-Trichlorobenzene	180	11.167	11.164	(1.140)	4656	1.40708	0.2814

QC Flag Legend

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

Data File: \\qcanch04\dd\chem\HSV\a3ux7.i\U408278.b\UX79335.D
Date : 27-AUG-2004 21:16
Client ID: GNMPIAD
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\U40827B.b\UX79335.D
Report Date: 31-Aug-2004 14:06

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79335.D
Lab Smp Id: GN7MP1AD
Inj Date : 27-AUG-2004 21:16
Operator : 1754 Inst ID: a3ux7.i
Smp Info : LCSD
Misc Info : U40827B,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 31-Aug-2004 14:02 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	4.952	(1.000)	931596	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	613561	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	244394	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	191073	46.0768	9.215
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	267702	43.1216	8.624
$ 6 Toluene-d8	98	6.278	6.277	(0.830)	769276	48.6430	9.728
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	241314	47.8541	9.571
8 Dichlorodifluoromethane	85	1.592	1.592	(0.321)	151361	30.6805	6.136
9 Chloromethane	50	1.651	1.651	(0.333)	266717	33.3642	6.673
10 Vinyl Chloride	62	1.757	1.757	(0.355)	269947	35.1152	7.023
11 Bromomethane	94	1.994	1.994	(0.403)	190066	34.3708	6.874
12 Chloroethane	64	2.065	2.077	(0.417)	207176	36.2275	7.246
13 Trichlorofluoromethane	101	2.314	2.313	(0.467)	363420	47.4315	9.486
15 Acrolein	56	2.574	2.574	(0.520)	387134	429.404	85.881
16 Acetone	43	2.680	2.680	(0.541)	75781	23.7066	4.741
17 1,1-Dichloroethene	96	2.669	2.668	(0.539)	223277	48.8835	9.777
18 Freon-113	151	2.692	2.680	(0.544)	159658	57.2602	11.452
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79335.D
Report Date: 31-Aug-2004 14:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
20 Carbon Disulfide	76	2.858	2.858	(0.577)	789138	43.0512	8.610
21 Methylene Chloride	84	3.035	3.035	(0.613)	278417	45.2015	9.040
22 Acetonitrile	41	2.893	2.893	(0.584)	317506	509.302	101.86
23 Acrylonitrile	53	3.201	3.201	(0.646)	992198	481.255	96.251
24 Methyl tert-butyl ether	73	3.248	3.248	(0.656)	595765	48.8393	9.768
25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	254800	48.1793	9.636
26 Hexane	86	3.461	3.461	(0.699)	38031	42.5399	8.508
27 Vinyl acetate	43	3.580	3.591	(0.723)	1819	2.11260	0.4225
28 1,1-Dichloroethane	63	3.568	3.568	(0.720)	457547	47.7031	9.541
29 tert-Butyl Alcohol	59	2.941	3.094	(0.594)	13956	73.8631	14.773
30 2-Butanone	43	4.018	4.017	(0.811)	90803	31.9863	6.397
M 31 1,2-Dichloroethene (total)	96				501160	95.5332	19.107
32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	246360	47.3539	9.471
33 2,2-Dichloropropane	77	Compound Not Detected.					
34 Bromochloromethane	128	Compound Not Detected.					
35 Chloroform	83	4.278	4.266	(0.864)	435951	47.2108	9.442
36 Tetrahydrofuran	42	Compound Not Detected.					
37 1,1,1-Trichloroethane	97	4.444	4.443	(0.897)	354816	47.9613	9.592
38 1,1-Dichloropropene	75	Compound Not Detected.					
39 Carbon Tetrachloride	117	4.586	4.585	(0.926)	276165	48.2835	9.657
40 1,2-Dichloroethane	62	4.728	4.727	(0.955)	384555	48.2366	9.647
41 Benzene	78	4.728	4.739	(0.955)	1041160	47.0467	9.409
42 Trichloroethene	130	5.260	5.260	(1.062)	210648	46.7487	9.350
43 1,2-Dichloropropane	63	5.437	5.437	(1.098)	253820	46.8045	9.361
44 1,4-Dioxane	88	Compound Not Detected.					
45 Dibromomethane	93	Compound Not Detected.					
46 Bromodichloromethane	83	5.662	5.662	(1.143)	332488	49.9377	9.988
47 2-Chloroethyl vinyl ether	63	5.899	5.899	(1.191)	131153	45.5044	9.101
48 cis-1,3-Dichloropropene	75	6.041	6.041	(1.220)	358742	47.3045	9.461
49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	189801	42.5802	8.516
50 Toluene	91	6.337	6.337	(0.837)	1058285	51.3689	10.274
51 trans-1,3-Dichloropropene	75	6.514	6.514	(0.861)	314836	48.5621	9.712
52 Ethyl Methacrylate	69	Compound Not Detected.					
53 1,1,2-Trichloroethane	97	6.680	6.680	(0.883)	213281	48.3880	9.678
54 1,3-Dichloropropane	76	Compound Not Detected.					
55 Tetrachloroethene	164	6.834	6.834	(0.903)	140414	49.5444	9.909
56 2-Hexanone	43	6.893	6.893	(0.911)	121329	36.4201	7.284
57 Dibromochloromethane	129	7.035	7.035	(0.930)	199972	55.6440	11.129
58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	194920	50.1788	10.036
59 Chlorobenzene	112	7.603	7.603	(1.005)	605393	48.8448	9.769
60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
61 Ethylbenzene	106	7.698	7.697	(1.017)	293443	44.1648	8.833
62 m + p-Xylene	106	7.804	7.804	(1.031)	779760	91.5460	18.309
M 63 Xylenes (total)	106				1145468	136.093	27.218
64 Xylene-o	106	8.183	8.182	(1.081)	365708	44.5468	8.909
65 Styrene	104	8.183	8.182	(1.081)	661319	44.7824	8.956
66 Bromoform	173	8.360	8.360	(1.105)	112055	61.5897	12.318

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79335.D
Report Date: 31-Aug-2004 14:06

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)	762214	46.6090	9.322
68 1,1,2,2-Tetrachloroethane	83	8.786	8.798	(0.897)	287236	55.3953	11.079
69 1,4-Dichloro-2-butene	53	8.609	8.845	(0.879)	3165	1.88625	0.3772
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)	314402	46.7802	9.356
81 1,4-Dichlorobenzene	146	9.816	9.815	(1.002)	372807	51.8111	10.362
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	344088	50.6156	10.123
84 1,2-Dibromo-3-chloropropane	157	10.940	10.940	(1.117)	38662	56.5965	11.319
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	131090	45.8327	9.166
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.040	12.016	(1.230)	1389	5.09030	1.018
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.503	4.502	(0.909)	324628	41.0301	8.206
143 Methyl Acetate	43	2.941	2.929	(0.594)	160878	44.6961	8.939
144 Methylcyclohexane	83	5.437	5.437	(1.098)	252144	40.8248	8.165
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNX3X1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H260000-131 GNX3X1AD-LCSD
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4239131
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	58	(22 - 200)			SW846 8260B
	57	(22 - 200)	0.88	(0-95)	SW846 8260B
Benzene	**98**	**(80 - 116)**			**SW846 8260B**
	107	**(80 - 116)**	**8.0**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	108	(87 - 130)			SW846 8260B
	116	(87 - 130)	6.4	(0-30)	SW846 8260B
Bromoform	122	(76 - 150)			SW846 8260B
	124	(76 - 150)	2.2	(0-30)	SW846 8260B
Bromomethane	123	(64 - 129)			SW846 8260B
	135 a	(64 - 129)	9.6	(0-30)	SW846 8260B
2-Butanone	72	(28 - 237)			SW846 8260B
	71	(28 - 237)	1.9	(0-65)	SW846 8260B
Carbon disulfide	114	(73 - 139)			SW846 8260B
	122	(73 - 139)	6.6	(0-30)	SW846 8260B
Carbon tetrachloride	120	(75 - 149)			SW846 8260B
	131	(75 - 149)	9.1	(0-30)	SW846 8260B
Chlorobenzene	**98**	**(76 - 117)**			**SW846 8260B**
	104	**(76 - 117)**	**5.4**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	117	(81 - 138)			SW846 8260B
	120	(81 - 138)	2.4	(0-30)	SW846 8260B
Chloroethane	119	(66 - 126)			SW846 8260B
	127 a	(66 - 126)	6.8	(0-30)	SW846 8260B
Chloroform	104	(84 - 128)			SW846 8260B
	108	(84 - 128)	4.1	(0-30)	SW846 8260B
Chloromethane	74	(48 - 123)			SW846 8260B
	79	(48 - 123)	6.8	(0-30)	SW846 8260B
1,1-Dichloroethane	102	(86 - 123)			SW846 8260B
	112	(86 - 123)	9.3	(0-30)	SW846 8260B
1,2-Dichloroethane	102	(79 - 136)			SW846 8260B
	105	(79 - 136)	3.3	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	101	(85 - 113)			SW846 8260B
	103	(85 - 113)	2.0	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	103	(79 - 120)			SW846 8260B
	114	(79 - 120)	9.3	(0-30)	SW846 8260B
1,1-Dichloroethene	**101**	**(63 - 130)**			**SW846 8260B**
	111	**(63 - 130)**	**8.5**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	102	(82 - 116)			SW846 8260B
	108	(82 - 116)	5.7	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNX3X1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H260000-131 GNX3X1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	103	(82 - 115)			SW846 8260B
	107	(82 - 115)	4.1	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	98	(84 - 130)			SW846 8260B
	104	(84 - 130)	5.2	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	99	(84 - 130)			SW846 8260B
	105	(84 - 130)	5.8	(0-30)	SW846 8260B
Ethylbenzene	103	(86 - 116)			SW846 8260B
	110	(86 - 116)	6.7	(0-30)	SW846 8260B
2-Hexanone	66	(35 - 200)			SW846 8260B
	68	(35 - 200)	3.0	(0-52)	SW846 8260B
Methylene chloride	106	(78 - 118)			SW846 8260B
	110	(78 - 118)	3.6	(0-30)	SW846 8260B
4-Methyl-2-pentanone	80	(78 - 141)			SW846 8260B
	80	(78 - 141)	0.12	(0-32)	SW846 8260B
Styrene	96	(85 - 117)			SW846 8260B
	102	(85 - 117)	5.2	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	100	(85 - 118)			SW846 8260B
	103	(85 - 118)	2.6	(0-30)	SW846 8260B
Tetrachloroethene	102	(88 - 113)			SW846 8260B
	110	(88 - 113)	8.0	(0-30)	SW846 8260B
Toluene	**104**	**(74 - 119)**			**SW846 8260B**
	112	**(74 - 119)**	**7.0**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	111	(78 - 140)			SW846 8260B
	123	(78 - 140)	10	(0-30)	SW846 8260B
1,1,2-Trichloroethane	100	(83 - 122)			SW846 8260B
	102	(83 - 122)	2.5	(0-30)	SW846 8260B
Trichloroethene	**98**	**(75 - 122)**			**SW846 8260B**
	112	**(75 - 122)**	**13**	**(0-20)**	**SW846 8260B**
Vinyl chloride	101	(61 - 120)			SW846 8260B
	115	(61 - 120)	12	(0-30)	SW846 8260B
Xylenes (total)	105	(87 - 116)			SW846 8260B
	114	(87 - 116)	8.1	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
	104	(61 - 128)
Toluene-d8	103	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	101	(74 - 116)
	104	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNX3X1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H260000-131 GNX3X1AD-LCSD

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNX3X1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H260000-131 GNX3X1AD-LCSD
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4239131
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acetone	10	5.8	ug/L	58		SW846 8260B
	10	5.7	ug/L	57	0.88	SW846 8260B
Benzene	**10**	**9.8**	**ug/L**	**98**		**SW846 8260B**
	10	**11**	**ug/L**	**107**	**8.0**	**SW846 8260B**
Bromodichloromethane	10	11	ug/L	108		SW846 8260B
	10	12	ug/L	116	6.4	SW846 8260B
Bromoform	10	12	ug/L	122		SW846 8260B
	10	12	ug/L	124	2.2	SW846 8260B
Bromomethane	10	12	ug/L	123		SW846 8260B
	10	13 a	ug/L	135	9.6	SW846 8260B
2-Butanone	10	7.2	ug/L	72		SW846 8260B
	10	7.1	ug/L	71	1.9	SW846 8260B
Carbon disulfide	10	11	ug/L	114		SW846 8260B
	10	12	ug/L	122	6.6	SW846 8260B
Carbon tetrachloride	10	12	ug/L	120		SW846 8260B
	10	13	ug/L	131	9.1	SW846 8260B
Chlorobenzene	**10**	**9.8**	**ug/L**	**98**		**SW846 8260B**
	10	**10**	**ug/L**	**104**	**5.4**	**SW846 8260B**
Dibromochloromethane	10	12	ug/L	117		SW846 8260B
	10	12	ug/L	120	2.4	SW846 8260B
Chloroethane	10	12	ug/L	119		SW846 8260B
	10	13 a	ug/L	127	6.8	SW846 8260B
Chloroform	10	10	ug/L	104		SW846 8260B
	10	11	ug/L	108	4.1	SW846 8260B
Chloromethane	10	7.4	ug/L	74		SW846 8260B
	10	7.9	ug/L	79	6.8	SW846 8260B
1,1-Dichloroethane	10	10	ug/L	102		SW846 8260B
	10	11	ug/L	112	9.3	SW846 8260B
1,2-Dichloroethane	10	10	ug/L	102		SW846 8260B
	10	11	ug/L	105	3.3	SW846 8260B
cis-1,2-Dichloroethene	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	103	2.0	SW846 8260B
trans-1,2-Dichloroethene	10	10	ug/L	103		SW846 8260B
	10	11	ug/L	114	9.3	SW846 8260B
1,1-Dichloroethene	**10**	**10**	**ug/L**	**101**		**SW846 8260B**
	10	**11**	**ug/L**	**111**	**8.5**	**SW846 8260B**
1,2-Dichloroethene (total)	20	20	ug/L	102		SW846 8260B
	20	22	ug/L	108	5.7	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNX3X1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H260000-131 GNX3X1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dichloropropane	10	10	ug/L	103		SW846 8260B
	10	11	ug/L	107	4.1	SW846 8260B
cis-1,3-Dichloropropene	10	9.8	ug/L	98		SW846 8260B
	10	10	ug/L	104	5.2	SW846 8260B
trans-1,3-Dichloropropene	10	9.9	ug/L	99		SW846 8260B
	10	11	ug/L	105	5.8	SW846 8260B
Ethylbenzene	10	10	ug/L	103		SW846 8260B
	10	11	ug/L	110	6.7	SW846 8260B
2-Hexanone	10	6.6	ug/L	66		SW846 8260B
	10	6.8	ug/L	68	3.0	SW846 8260B
Methylene chloride	10	11	ug/L	106		SW846 8260B
	10	11	ug/L	110	3.6	SW846 8260B
4-Methyl-2-pentanone	10	8.0	ug/L	80		SW846 8260B
	10	8.0	ug/L	80	0.12	SW846 8260B
Styrene	10	9.6	ug/L	96		SW846 8260B
	10	10	ug/L	102	5.2	SW846 8260B
1,1,2,2-Tetrachloroethane	10	10	ug/L	100		SW846 8260B
	10	10	ug/L	103	2.6	SW846 8260B
Tetrachloroethene	10	10	ug/L	102		SW846 8260B
	10	11	ug/L	110	8.0	SW846 8260B
Toluene	**10**	**10**	**ug/L**	**104**		**SW846 8260B**
	10	**11**	**ug/L**	**112**	**7.0**	**SW846 8260B**
1,1,1-Trichloroethane	10	11	ug/L	111		SW846 8260B
	10	12	ug/L	123	10	SW846 8260B
1,1,2-Trichloroethane	10	10	ug/L	100		SW846 8260B
	10	10	ug/L	102	2.5	SW846 8260B
Trichloroethene	**10**	**9.8**	**ug/L**	**98**		**SW846 8260B**
	10	**11**	**ug/L**	**112**	**13**	**SW846 8260B**
Vinyl chloride	10	10	ug/L	101		SW846 8260B
	10	11	ug/L	115	12	SW846 8260B
Xylenes (total)	30	31	ug/L	105		SW846 8260B
	30	34	ug/L	114	8.1	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
	104	(61 - 128)
Toluene-d8	103	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	101	(74 - 116)
	104	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNX3X1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H260000-131 GNX3X1AD-LCSD

NOTE(S):

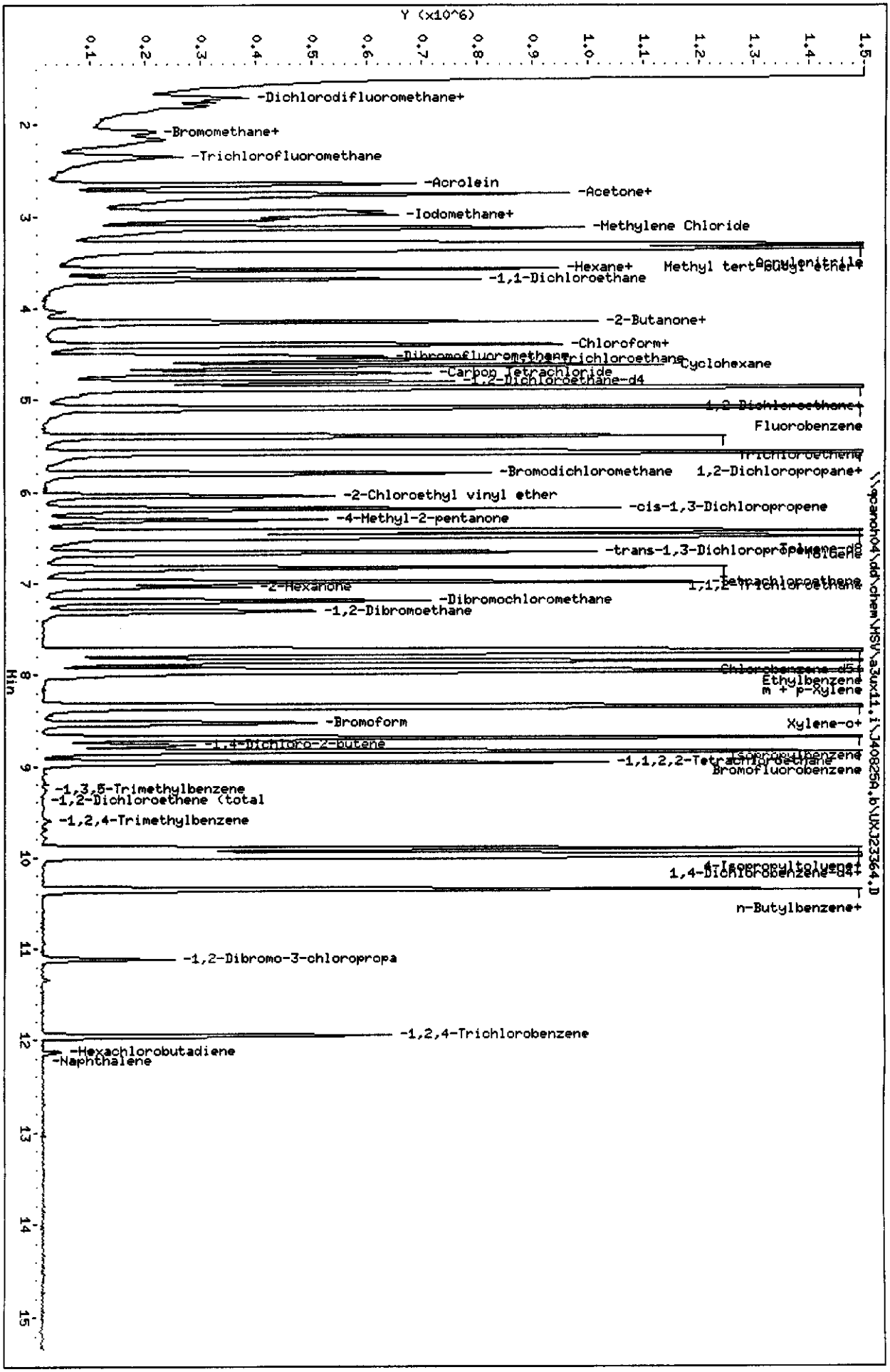
Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40825A.b\UXJ23364.D
Date : 25-AUG-2004 09:27
Client ID: GUX3X/AC
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\J40825A.b\UXJ23364.D
Report Date: 26-Aug-2004 08:38

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23364.D
Lab Smp Id: CHECK
Inj Date : 25-AUG-2004 09:27
Operator : 43582 Inst ID: a3ux11.i
Smp Info : CHECK
Misc Info : J40825A,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825A.b\8260LLUX11.m
Meth Date : 26-Aug-2004 08:38 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.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	5.088	5.088	(1.000)	1899240	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1474907	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	756111	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	445965	49.8950	9.979
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	587128	49.6005	9.920
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	1821602	51.5504	10.310
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	755364	50.4395	10.088
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	327060	45.0252	9.005
9 Chloromethane	50	1.704	1.704	(0.335)	549763	36.7658	7.353
10 Vinyl Chloride	62	1.799	1.787	(0.354)	404504	50.5857	10.117
11 Bromomethane	94	2.083	2.083	(0.409)	216014	61.3188	12.264
12 Chloroethane	64	2.166	2.165	(0.426)	374168	59.5405	11.908
13 Trichlorofluoromethane	101	2.343	2.343	(0.461)	543028	59.3469	11.869
15 Acrolein	56	2.651	2.651	(0.521)	825091	482.768	96.554
16 Acetone	43	2.769	2.769	(0.544)	186499	28.8688	5.774
17 1,1-Dichloroethene	96	2.757	2.757	(0.542)	450791	50.7408	10.148
18 Freon-113	151	2.781	2.769	(0.547)	342213	61.1800	12.236

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23364.D
Report Date: 26-Aug-2004 08:38

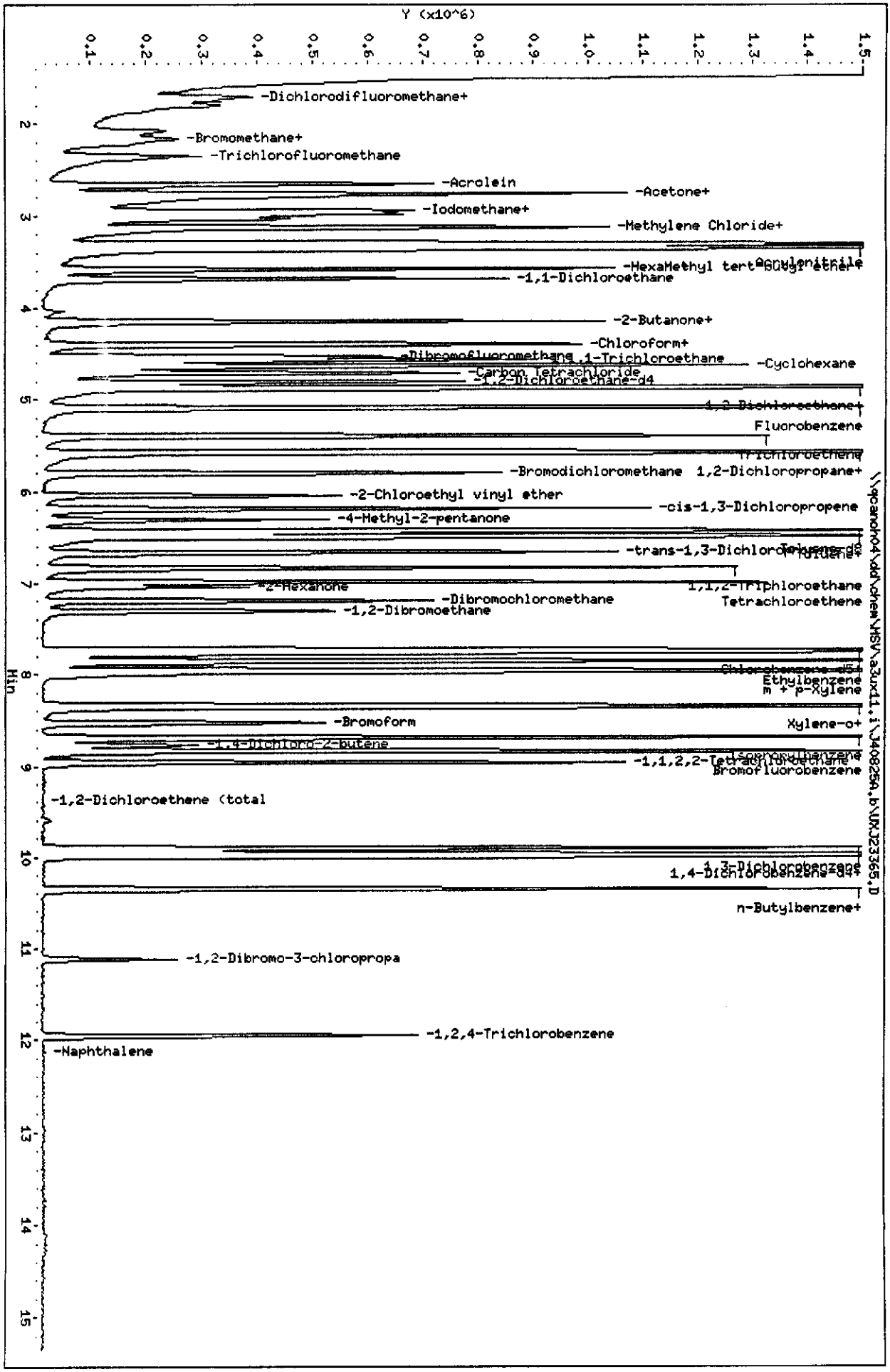
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.970	2.875	(0.584)	19602	2.19061	0.4381
	20 Carbon Disulfide	76	2.946	2.946	(0.579)	1659494	56.8559	11.371
	21 Methylene Chloride	84	3.124	3.124	(0.614)	698424	53.2053	10.641
	22 Acetonitrile	41	2.982	2.982	(0.586)	658101	459.224	91.845
	23 Acrylonitrile	53	3.301	3.301	(0.649)	2003648	467.126	93.425
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	1121694	50.9763	10.195
	25 trans-1,2-Dichloroethene	96	3.361	3.349	(0.661)	503826	51.7223	10.344
	26 Hexane	86	3.585	3.574	(0.705)	89188	54.1899	10.838
	27 Vinyl acetate	43	3.574	3.704	(0.702)	289897	16.1646	3.233
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	885553	50.9995	10.200
	29 tert-Butyl Alcohol	59	3.041	3.195	(0.598)	28382	32.2427	6.448
	30 2-Butanone	43	4.142	4.142	(0.814)	205586	36.0363	7.207
M	31 1,2-Dichloroethene (total)	96				1017204	102.084	20.417
	32 cis-1,2-dichloroethene	96	4.153	4.153	(0.816)	513378	50.3612	10.072
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.402	4.402	(0.865)	900797	51.8114	10.362
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	8493	2.72972	0.5459
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	558356	55.6001	11.120
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	440488	59.9580	11.992
	40 1,2-Dichloroethane	62	4.863	4.863	(0.956)	705618	50.9108	10.182
	41 Benzene	78	4.863	4.863	(0.956)	2103664	49.2090	9.842
	42 Trichloroethene	130	5.396	5.396	(1.060)	462709	48.7849	9.757
	43 1,2-Dichloropropane	63	5.573	5.573	(1.095)	533540	51.2537	10.251
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	633044	54.1810	10.836
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	258273	45.5628	9.112
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	736265	49.1680	9.834
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	393506	40.1260	8.025
	50 Toluene	91	6.485	6.484	(0.838)	2172291	52.1290	10.426
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.861)	662394	49.5854	9.917
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.882)	474302	49.7687	9.954
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.993	6.993	(0.904)	364528	50.8365	10.167
	56 2-Hexanone	43	7.041	7.041	(0.910)	255687	33.0796	6.616
	57 Dibromochloromethane	129	7.195	7.194	(0.930)	453388	58.4080	11.682
	58 1,2-Dibromoethane	107	7.313	7.301	(0.945)	448464	48.5215	9.704
	59 Chlorobenzene	112	7.762	7.762	(1.003)	1416040	49.0418	9.808
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.857	7.857	(1.015)	688037	51.4225	10.284
	62 m + p-Xylene	106	7.964	7.964	(1.029)	1842484	105.337	21.067
M	63 Xylenes (total)	106				2717434	157.398	31.480
	64 Xylene-o	106	8.342	8.342	(1.078)	874950	52.0612	10.412
	65 Styrene	104	8.354	8.354	(1.080)	1612433	48.2326	9.646

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23364.D
Report Date: 26-Aug-2004 08:38

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	8.532	8.532	(1.102)	317330	60.8290	12.166
67 Isopropylbenzene	105	8.685	8.685	(1.122)	1940373	48.8404	9.768
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	637848	49.9572	9.991
69 1,4-Dichloro-2-butene	53	8.780	9.017	(0.881)	7721	2.17140	0.4343
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	9.253	9.253	(0.929)	2860	2.43474	0.4869
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	4100	2.45001	0.4900
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	6746	2.68095	0.5362
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	951751	46.3075	9.262
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	1090235	49.6020	9.920
82 n-Butylbenzene	91	10.330	10.330	(1.037)	7861	2.77784	0.5556
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	962069	48.1651	9.633
84 1,2-Dibromo-3-chloropropane	157	11.123	11.123	(1.116)	84661	46.0514	9.210
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	241915	32.3368	6.467
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	7709	2.10786	0.4216
87 Naphthalene	128	12.188	12.200	(1.223)	3096	2.01326	0.4026
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.627	4.627	(0.909)	624689	47.0521	9.410
143 Methyl Acetate	43	3.029	3.029	(0.595)	381035	46.2673	9.253
144 Methylcyclohexane	83	5.573	5.573	(1.095)	507128	46.6263	9.325
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40825A.b\UXJ23365.D
Date : 25-AUG-2004 09:50
Client ID: CYX3X1AD
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\J40825A.b\UXJ23365.D
Report Date: 26-Aug-2004 08:39

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23365.D
Lab Smp Id: CHECK
Inj Date : 25-AUG-2004 09:50
Operator : 43582 Inst ID: a3ux11.i
Smp Info : CHECK
Misc Info : J40825A,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825A.b\8260LLUX11.m
Meth Date : 26-Aug-2004 08:38 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 5 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: 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	5.088	5.088	(1.000)	1867724	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1450497	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	753809	50.0000	
$ 4 Dibromofluoromethane	113	4.532	4.520	(0.891)	444983	50.6252	10.125
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	604266	51.9097	10.382
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	1805213	51.9463	10.389
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	762475	51.7712	10.354
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	371070	51.1572	10.231
9 Chloromethane	50	1.704	1.704	(0.335)	575230	39.3699	7.874
10 Vinyl Chloride	62	1.799	1.787	(0.354)	450333	57.2672	11.453
11 Bromomethane	94	2.071	2.083	(0.407)	231778	67.4738	13.495
12 Chloroethane	64	2.154	2.165	(0.423)	393659	63.6991	12.740
13 Trichlorofluoromethane	101	2.343	2.343	(0.461)	609959	67.1056	13.421
15 Acrolein	56	2.651	2.651	(0.521)	833944	496.182	99.236
16 Acetone	43	2.769	2.769	(0.544)	182249	28.6168	5.723
17 1,1-Dichloroethene	96	2.757	2.757	(0.542)	482735	55.2533	11.051
18 Freon-113	151	2.781	2.769	(0.547)	379439	68.9798	13.796

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23365.D
Report Date: 26-Aug-2004 08:39

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.923	2.875	(0.574)	15857	1.80199	0.3604
	20 Carbon Disulfide	76	2.946	2.946	(0.579)	1743730	60.7500	12.150
	21 Methylene Chloride	84	3.124	3.124	(0.614)	709450	55.1796	11.036
	22 Acetonitrile	41	2.982	2.982	(0.586)	657774	466.741	93.348
	23 Acrylonitrile	53	3.301	3.301	(0.649)	2049794	485.948	97.190
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	1113727	51.4683	10.294
	25 trans-1,2-Dichloroethene	96	3.361	3.349	(0.660)	543637	56.7510	11.350
	26 Hexane	86	3.585	3.574	(0.705)	109664	67.7552	13.551
	27 Vinyl acetate	43	3.574	3.704	(0.702)	339323	19.2398	3.848
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	956168	55.9954	11.199
	29 tert-Butyl Alcohol	59	3.041	3.195	(0.598)	29668	34.2723	6.854
	30 2-Butanone	43	4.142	4.142	(0.814)	198345	35.3537	7.071
M	31 1,2-Dichloroethene (total)	96				1058445	108.105	21.621
	32 cis-1,2-dichloroethene	96	4.153	4.153	(0.816)	514808	51.3536	10.271
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.402	4.402	(0.865)	923305	54.0021	10.800
	36 Tetrahydrofuran	42	4.390	4.378	(0.863)	12052	3.93898	0.7878
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	607109	61.4750	12.295
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	474397	65.6632	13.133
	40 1,2-Dichloroethane	62	4.863	4.863	(0.956)	717152	52.6161	10.523
	41 Benzene	78	4.863	4.863	(0.956)	2241346	53.3143	10.663
	42 Trichloroethene	130	5.396	5.396	(1.060)	520005	55.7510	11.150
	43 1,2-Dichloropropane	63	5.573	5.573	(1.095)	546693	53.4034	10.681
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	5.680	5.680	(1.116)	5496	0.88628	0.1772
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	663749	57.7676	11.554
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	263027	47.1845	9.437
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	762425	51.7741	10.355
	49 4-Methyl-2-pentanone	43	6.307	6.307	(1.240)	387455	40.1756	8.035
	50 Toluene	91	6.484	6.484	(0.838)	2292272	55.9339	11.187
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.861)	690392	52.5510	10.510
	52 Ethyl Methacrylate	69	6.484	6.733	(0.838)	435	2.32747	0.4655
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.882)	478463	51.0502	10.210
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.993	6.993	(0.904)	388455	55.0850	11.017
	56 2-Hexanone	43	7.041	7.041	(0.910)	259255	34.1056	6.821
	57 Dibromochloromethane	129	7.194	7.194	(0.930)	456720	59.8274	11.965
	58 1,2-Dibromoethane	107	7.313	7.301	(0.945)	465299	51.1902	10.238
	59 Chlorobenzene	112	7.762	7.762	(1.003)	1469739	51.7582	10.352
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.857	7.857	(1.015)	723835	55.0083	11.002
	62 m + p-Xylene	106	7.964	7.964	(1.029)	1980025	115.106	23.021
M	63 Xylenes (total)	106				2899894	170.761	34.152
	64 Xylene-o	106	8.342	8.342	(1.078)	919869	55.6551	11.131
	65 Styrene	104	8.354	8.354	(1.080)	1675530	50.8070	10.161

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23365.D
Report Date: 26-Aug-2004 08:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	8.532	8.532	(1.102)	319849	62.2063	12.441
67 Isopropylbenzene	105	8.685	8.685	(1.122)	2083634	53.0893	10.618
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	652557	51.2653	10.253
69 1,4-Dichloro-2-butene	53	8.768	9.017	(0.880)	7024	1.98141	0.3963
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	9.904	9.904	(0.994)	992567	48.4409	9.688
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	1125387	51.3577	10.272
82 n-Butylbenzene	91	10.330	10.330	(1.037)	2420	2.58416	0.5168
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	992472	49.8389	9.968
84 1,2-Dibromo-3-chloropropane	157	11.123	11.123	(1.116)	86721	47.3160	9.463
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	254576	34.1331	6.827
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.200	12.200	(1.224)	1532	1.93204	0.3864
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.627	4.627	(0.909)	714156	53.7312	10.746
143 Methyl Acetate	43	3.029	3.029	(0.595)	384818	47.5151	9.503
144 Methylcyclohexane	83	5.573	5.573	(1.095)	589103	54.0967	10.819
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNX4A1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H260000-136 GNX4A1AD-LCSD
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4239136
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	54	(22 - 200)			SW846 8260B
	49	(22 - 200)	9.2	(0-95)	SW846 8260B
Benzene	**104**	**(80 - 116)**			**SW846 8260B**
	100	**(80 - 116)**	**3.6**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	110	(87 - 130)			SW846 8260B
	106	(87 - 130)	3.8	(0-30)	SW846 8260B
Bromoform	121	(76 - 150)			SW846 8260B
	116	(76 - 150)	4.1	(0-30)	SW846 8260B
Bromomethane	131 a	(64 - 129)			SW846 8260B
	128	(64 - 129)	2.3	(0-30)	SW846 8260B
2-Butanone	71	(28 - 237)			SW846 8260B
	69	(28 - 237)	3.5	(0-65)	SW846 8260B
Carbon disulfide	120	(73 - 139)			SW846 8260B
	117	(73 - 139)	2.5	(0-30)	SW846 8260B
Carbon tetrachloride	129	(75 - 149)			SW846 8260B
	127	(75 - 149)	1.1	(0-30)	SW846 8260B
Chlorobenzene	**99**	**(76 - 117)**			**SW846 8260B**
	98	**(76 - 117)**	**0.97**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	117	(81 - 138)			SW846 8260B
	114	(81 - 138)	2.4	(0-30)	SW846 8260B
Chloroethane	124	(66 - 126)			SW846 8260B
	124	(66 - 126)	0.020	(0-30)	SW846 8260B
Chloroform	107	(84 - 128)			SW846 8260B
	103	(84 - 128)	4.1	(0-30)	SW846 8260B
Chloromethane	78	(48 - 123)			SW846 8260B
	76	(48 - 123)	3.0	(0-30)	SW846 8260B
1,1-Dichloroethane	107	(86 - 123)			SW846 8260B
	104	(86 - 123)	3.0	(0-30)	SW846 8260B
1,2-Dichloroethane	105	(79 - 136)			SW846 8260B
	101	(79 - 136)	3.8	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	105	(85 - 113)			SW846 8260B
	98	(85 - 113)	6.9	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	110	(79 - 120)			SW846 8260B
	105	(79 - 120)	4.7	(0-30)	SW846 8260B
1,1-Dichloroethene	**111**	**(63 - 130)**			**SW846 8260B**
	109	**(63 - 130)**	**2.1**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	108	(82 - 116)			SW846 8260B
	102	(82 - 116)	5.8	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNX4A1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H260000-136 GNX4A1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	104	(82 - 115)			SW846 8260B
	98	(82 - 115)	6.2	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	99	(84 - 130)			SW846 8260B
	99	(84 - 130)	0.56	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	100	(84 - 130)			SW846 8260B
	99	(84 - 130)	1.9	(0-30)	SW846 8260B
Ethylbenzene	106	(86 - 116)			SW846 8260B
	104	(86 - 116)	2.3	(0-30)	SW846 8260B
2-Hexanone	63	(35 - 200)			SW846 8260B
	66	(35 - 200)	4.4	(0-52)	SW846 8260B
Methylene chloride	98	(78 - 118)			SW846 8260B
	91	(78 - 118)	6.8	(0-30)	SW846 8260B
4-Methyl-2-pentanone	83	(78 - 141)			SW846 8260B
	76 a	(78 - 141)	7.9	(0-32)	SW846 8260B
Styrene	98	(85 - 117)			SW846 8260B
	96	(85 - 117)	2.4	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	104	(85 - 118)			SW846 8260B
	96	(85 - 118)	7.8	(0-30)	SW846 8260B
Tetrachloroethene	106	(88 - 113)			SW846 8260B
	106	(88 - 113)	0.21	(0-30)	SW846 8260B
Toluene	**110**	**(74 - 119)**			**SW846 8260B**
	107	**(74 - 119)**	**3.4**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	119	(78 - 140)			SW846 8260B
	115	(78 - 140)	3.1	(0-30)	SW846 8260B
1,1,2-Trichloroethane	99	(83 - 122)			SW846 8260B
	97	(83 - 122)	2.5	(0-30)	SW846 8260B
Trichloroethene	**106**	**(75 - 122)**			**SW846 8260B**
	105	**(75 - 122)**	**1.0**	**(0-20)**	**SW846 8260B**
Vinyl chloride	116	(61 - 120)			SW846 8260B
	119	(61 - 120)	2.6	(0-30)	SW846 8260B
Xylenes (total)	109	(87 - 116)			SW846 8260B
	107	(87 - 116)	1.6	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	93	(61 - 128)
Toluene-d8	104	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	102	(74 - 116)
	102	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNX4A1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H260000-136 GNX4A1AD-LCSD

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNX4A1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H260000-136 GNX4A1AD-LCSD
Prep Date.....: 08/25/04 **Analysis Date..:** 08/25/04
Prep Batch #...: 4239136
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acetone	10	5.4	ug/L	54		SW846 8260B
	10	4.9	ug/L	49	9.2	SW846 8260B
Benzene	**10**	**10**	**ug/L**	**104**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**3.6**	**SW846 8260B**
Bromodichloromethane	10	11	ug/L	110		SW846 8260B
	10	11	ug/L	106	3.8	SW846 8260B
Bromoform	10	12	ug/L	121		SW846 8260B
	10	12	ug/L	116	4.1	SW846 8260B
Bromomethane	10	13 a	ug/L	131		SW846 8260B
	10	13	ug/L	128	2.3	SW846 8260B
2-Butanone	10	7.1	ug/L	71		SW846 8260B
	10	6.9	ug/L	69	3.5	SW846 8260B
Carbon disulfide	10	12	ug/L	120		SW846 8260B
	10	12	ug/L	117	2.5	SW846 8260B
Carbon tetrachloride	10	13	ug/L	129		SW846 8260B
	10	13	ug/L	127	1.1	SW846 8260B
Chlorobenzene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**9.8**	**ug/L**	**98**	**0.97**	**SW846 8260B**
Dibromochloromethane	10	12	ug/L	117		SW846 8260B
	10	11	ug/L	114	2.4	SW846 8260B
Chloroethane	10	12	ug/L	124		SW846 8260B
	10	12	ug/L	124	0.020	SW846 8260B
Chloroform	10	11	ug/L	107		SW846 8260B
	10	10	ug/L	103	4.1	SW846 8260B
Chloromethane	10	7.8	ug/L	78		SW846 8260B
	10	7.6	ug/L	76	3.0	SW846 8260B
1,1-Dichloroethane	10	11	ug/L	107		SW846 8260B
	10	10	ug/L	104	3.0	SW846 8260B
1,2-Dichloroethane	10	10	ug/L	105		SW846 8260B
	10	10	ug/L	101	3.8	SW846 8260B
cis-1,2-Dichloroethene	10	11	ug/L	105		SW846 8260B
	10	9.8	ug/L	98	6.9	SW846 8260B
trans-1,2-Dichloroethene	10	11	ug/L	110		SW846 8260B
	10	11	ug/L	105	4.7	SW846 8260B
1,1-Dichloroethene	**10**	**11**	**ug/L**	**111**		**SW846 8260B**
	10	**11**	**ug/L**	**109**	**2.1**	**SW846 8260B**
1,2-Dichloroethene (total)	20	22	ug/L	108		SW846 8260B
	20	20	ug/L	102	5.8	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNX4A1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H260000-136 GNX4A1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dichloropropane	10	10	ug/L	104		SW846 8260B
	10	9.8	ug/L	98	6.2	SW846 8260B
cis-1,3-Dichloropropene	10	9.9	ug/L	99		SW846 8260B
	10	9.9	ug/L	99	0.56	SW846 8260B
trans-1,3-Dichloropropene	10	10	ug/L	100		SW846 8260B
	10	9.9	ug/L	99	1.9	SW846 8260B
Ethylbenzene	10	11	ug/L	106		SW846 8260B
	10	10	ug/L	104	2.3	SW846 8260B
2-Hexanone	10	6.3	ug/L	63		SW846 8260B
	10	6.6	ug/L	66	4.4	SW846 8260B
Methylene chloride	10	9.8	ug/L	98		SW846 8260B
	10	9.1	ug/L	91	6.8	SW846 8260B
4-Methyl-2-pentanone	10	8.3	ug/L	83		SW846 8260B
	10	7.6 a	ug/L	76	7.9	SW846 8260B
Styrene	10	9.8	ug/L	98		SW846 8260B
	10	9.6	ug/L	96	2.4	SW846 8260B
1,1,2,2-Tetrachloroethane	10	10	ug/L	104		SW846 8260B
	10	9.6	ug/L	96	7.8	SW846 8260B
Tetrachloroethene	10	11	ug/L	106		SW846 8260B
	10	11	ug/L	106	0.21	SW846 8260B
Toluene	**10**	**11**	**ug/L**	**110**		**SW846 8260B**
	10	**11**	**ug/L**	**107**	**3.4**	**SW846 8260B**
1,1,1-Trichloroethane	10	12	ug/L	119		SW846 8260B
	10	12	ug/L	115	3.1	SW846 8260B
1,1,2-Trichloroethane	10	9.9	ug/L	99		SW846 8260B
	10	9.7	ug/L	97	2.5	SW846 8260B
Trichloroethene	**10**	**11**	**ug/L**	**106**		**SW846 8260B**
	10	**10**	**ug/L**	**105**	**1.0**	**SW846 8260B**
Vinyl chloride	10	12	ug/L	116		SW846 8260B
	10	12	ug/L	119	2.6	SW846 8260B
Xylenes (total)	30	33	ug/L	109		SW846 8260B
	30	32	ug/L	107	1.6	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	93	(61 - 128)
Toluene-d8	104	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	102	(74 - 116)
	102	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

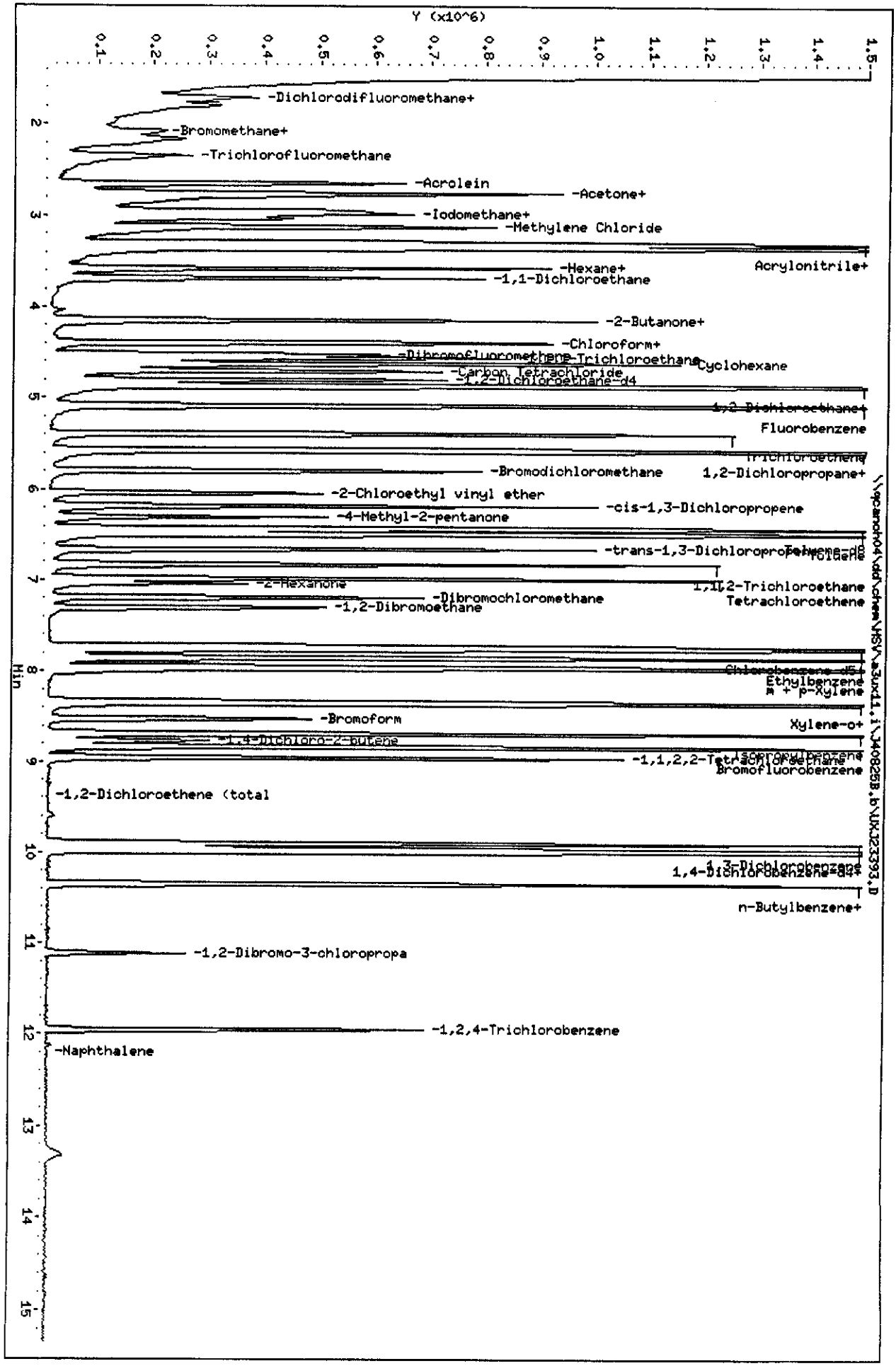
Client Lot #...: A4H180231 **Work Order #...:** GNX4A1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H260000-136 GNX4A1AD-LCSD

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.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Date : 25-AUG-2004 21:03
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride
Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform+
-Dibromofluoromethane
-Trichloroethane
Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-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
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
Bromofluorobenzene
-1,2-Dichloroethene (total
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
\\qcanoh04\dd\chem\HSV\a3ux11.i\J408258.b\UX123393.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23393.D
Report Date: 26-Aug-2004 10:16

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23393.D
Lab Smp Id: CHECK
Inj Date : 25-AUG-2004 21:03
Operator : 43582 Inst ID: a3ux11.i
Smp Info : CHECK
Misc Info : J40825B,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m
Meth Date : 26-Aug-2004 10:14 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 33 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

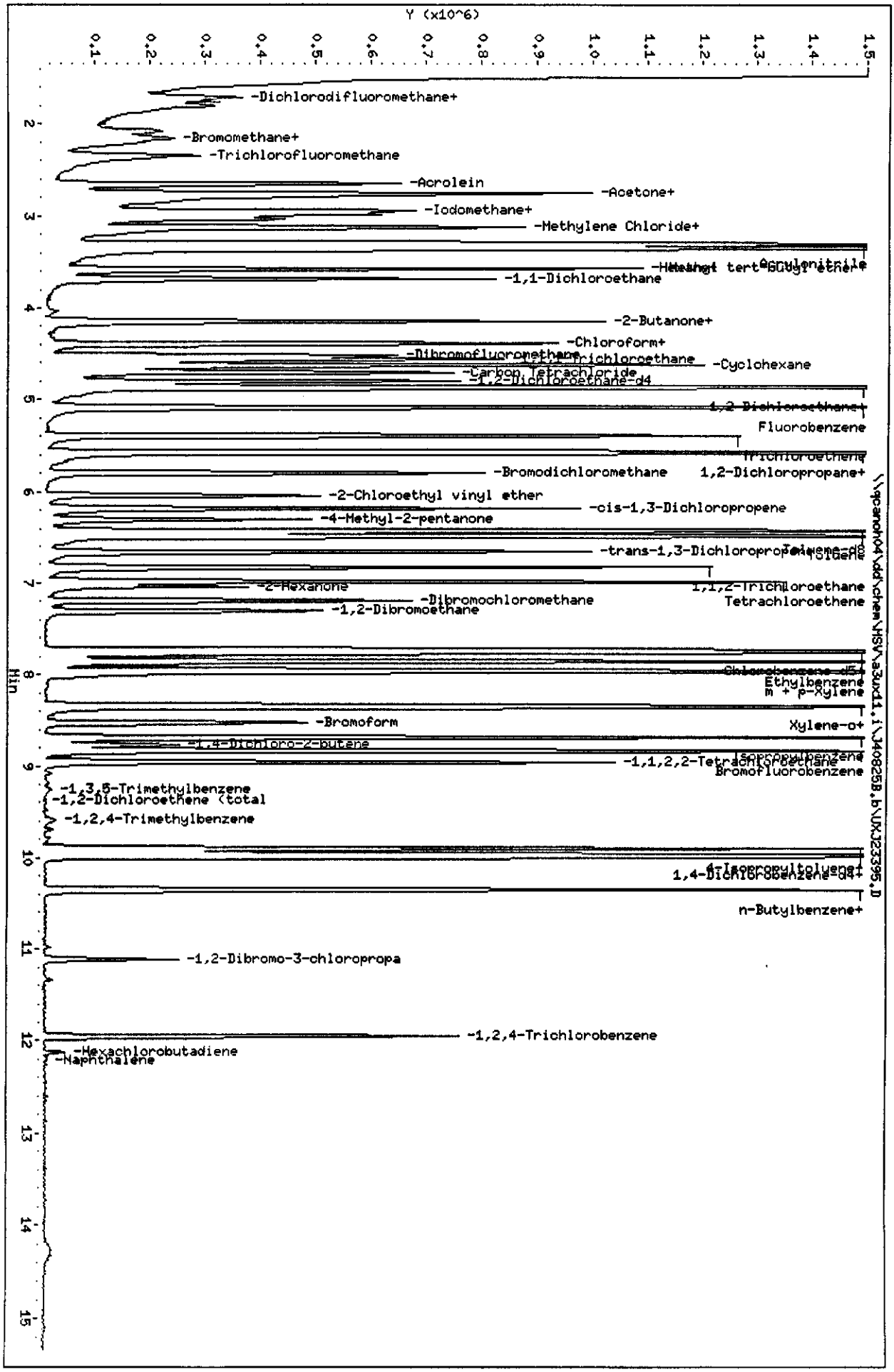
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.088	5.088	(1.000)	1793984	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1405957	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	725806	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	419994	49.7463	9.949
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	571320	51.0968	10.219
$ 6 Toluene-d8	98	6.425	6.425	(0.830)	1744846	51.7998	10.360
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	726372	50.8823	10.176
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	342102	49.3100	9.862
9 Chloromethane	50	1.704	1.704	(0.335)	549208	39.1095	7.822
10 Vinyl Chloride	62	1.799	1.799	(0.354)	438557	58.0620	11.612
11 Bromomethane	94	2.083	2.071	(0.409)	216513	65.4444	13.089
12 Chloroethane	64	2.154	2.166	(0.423)	369362	62.2242	12.445
13 Trichlorofluoromethane	101	2.343	2.343	(0.461)	545662	62.8278	12.566
15 Acrolein	56	2.651	2.651	(0.521)	771293	477.768	95.554
16 Acetone	43	2.769	2.769	(0.544)	168435	27.1134	5.423
17 1,1-Dichloroethene	96	2.757	2.757	(0.542)	465765	55.5022	11.100
18 Freon-113	151	2.781	2.769	(0.547)	339778	64.3086	12.862

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23393.D
Report Date: 26-Aug-2004 10:16

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.935	2.876	(0.577)	14029	1.65979	0.3320
	20 Carbon Disulfide	76	2.947	2.947	(0.579)	1658339	60.1498	12.030
	21 Methylene Chloride	84	3.124	3.124	(0.614)	612548	48.9269	9.785
	22 Acetonitrile	41	2.982	2.982	(0.586)	630652	465.890	93.178
	23 Acrylonitrile	53	3.302	3.302	(0.649)	1921569	474.274	94.855
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	1032351	49.6687	9.934
	25 trans-1,2-Dichloroethene	96	3.361	3.349	(0.661)	507209	55.1246	11.025
	26 Hexane	86	3.574	3.574	(0.702)	85993	55.3141	11.063
	27 Vinyl acetate	43	3.574	3.704	(0.702)	300905	17.7628	3.552
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	877133	53.4783	10.696
	29 tert-Butyl Alcohol	59	3.041	3.183	(0.598)	27828	33.4681	6.694
	30 2-Butanone	43	4.142	4.142	(0.814)	191646	35.5637	7.113
M	31 1,2-Dichloroethene (total)	96				1014995	107.860	21.572
	32 cis-1,2-dichloroethene	96	4.154	4.142	(0.816)	507786	52.7352	10.547
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.402	4.390	(0.865)	879387	53.5476	10.710
	36 Tetrahydrofuran	42	4.390	4.378	(0.863)	9381	3.19204	0.6384
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	563178	59.3706	11.874
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	445933	64.2605	12.852
	40 1,2-Dichloroethane	62	4.863	4.863	(0.956)	686236	52.4173	10.483
	41 Benzene	78	4.863	4.863	(0.956)	2103515	52.0924	10.418
	42 Trichloroethene	130	5.396	5.396	(1.060)	474608	52.9754	10.595
	43 1,2-Dichloropropane	63	5.573	5.573	(1.095)	513060	52.1780	10.436
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	607015	55.0014	11.000
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	232810	43.4805	8.696
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	702094	49.6369	9.927
	49 4-Methyl-2-pentanone	43	6.307	6.295	(1.240)	382589	41.3017	8.260
	50 Toluene	91	6.485	6.485	(0.838)	2193575	55.2212	11.044
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.861)	639228	50.1979	10.040
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.882)	450991	49.6435	9.929
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.993	6.982	(0.904)	363142	53.1268	10.625
	56 2-Hexanone	43	7.041	7.041	(0.910)	233181	31.6473	6.329
	57 Dibromochloromethane	129	7.195	7.195	(0.930)	434041	58.6578	11.732
	58 1,2-Dibromoethane	107	7.301	7.301	(0.943)	438811	49.8054	9.961
	59 Chlorobenzene	112	7.763	7.763	(1.003)	1366087	49.6320	9.926
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.857	7.857	(1.015)	676248	53.0200	10.604
	62 m + p-Xylene	106	7.964	7.964	(1.029)	1844610	110.631	22.126
M	63 Xylenes (total)	106				2695674	163.754	32.751
	64 Xylene-o	106	8.342	8.342	(1.078)	851064	53.1234	10.625
	65 Styrene	104	8.354	8.354	(1.080)	1567091	49.1215	9.824

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23393.D
Report Date: 26-Aug-2004 10:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	8.532	8.532	(1.102)	300337	60.4335	12.087
67 Isopropylbenzene	105	8.686	8.686	(1.122)	1959047	51.5744	10.315
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	637414	52.0077	10.402
69 1,4-Dichloro-2-butene	53	8.768	9.017	(0.880)	7591	2.22397	0.4448
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	9.904	9.904	(0.994)	952835	48.2960	9.659
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	1069005	50.6669	10.133
82 n-Butylbenzene	91	10.330	10.330	(1.037)	2292	2.58274	0.5165
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	958771	50.0041	10.001
84 1,2-Dibromo-3-chloropropane	157	11.111	11.111	(1.115)	80905	45.8459	9.169
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	255794	35.6196	7.124
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.200	12.200	(1.224)	2092	1.96551	0.3931
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.627	4.627	(0.909)	641327	50.6240	10.125
143 Methyl Acetate	43	3.029	3.029	(0.595)	358163	46.0417	9.208
144 Methylcyclohexane	83	5.573	5.573	(1.095)	499054	48.3509	9.670
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					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Date : 25-AUG-2004 22:13
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile
-1,1-Dichloroethane
-2-Butanone+
-Chloroform+
-Dibromofluoromethane
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Fluorobenzene
Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-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
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-1,4-Dichloro-2-butene
-1,1,2,2-Tetrachloroethane
Isopropylbenzene
Bromofluorobenzene
-1,3,5-Trimethylbenzene
-1,2-Dichloroethene (total
-1,2,4-Trimethylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23395.D
Report Date: 26-Aug-2004 10:17

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23395.D
Lab Smp Id: CHECK
Inj Date : 25-AUG-2004 22:13
Operator : 43582 Inst ID: a3ux11.i
Smp Info : CHECK
Misc Info : J40825B,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m
Meth Date : 26-Aug-2004 10:17 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 34 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	5.088	5.088	(1.000)	1885021	50.0000	
* 2 Chlorobenzene-d5	117	7.727	7.727	(1.000)	1449720	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	772061	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	443826	50.0303	10.006
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	548919	46.7224	9.344
$ 6 Toluene-d8	98	6.425	6.425	(0.832)	1812908	52.1957	10.439
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.144)	749671	50.9291	10.186
8 Dichlorodifluoromethane	85	1.550	1.550	(0.305)	374416	51.1461	10.229
9 Chloromethane	50	1.704	1.704	(0.335)	561744	37.9642	7.593
10 Vinyl Chloride	62	1.799	1.799	(0.354)	472718	59.5622	11.912
11 Bromomethane	94	2.083	2.071	(0.409)	222693	63.9288	12.786
12 Chloroethane	64	2.165	2.166	(0.426)	388210	62.2410	12.448
13 Trichlorofluoromethane	101	2.343	2.343	(0.461)	601718	65.6994	13.140
15 Acrolein	56	2.651	2.651	(0.521)	789606	465.490	93.098
16 Acetone	43	2.769	2.769	(0.544)	165952	24.7288	4.946
17 1,1-Dichloroethene	96	2.757	2.757	(0.542)	479347	54.3621	10.872
18 Freon-113	151	2.781	2.769	(0.547)	362403	65.2782	13.056

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23395.D
Report Date: 26-Aug-2004 10:17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.935	2.876	(0.577)	24082	2.71157	0.5423
	20 Carbon Disulfide	76	2.946	2.947	(0.579)	1699879	58.6788	11.736
	21 Methylene Chloride	84	3.124	3.124	(0.614)	606032	45.6893	9.138
	22 Acetonitrile	41	2.982	2.982	(0.586)	691254	485.997	97.199
	23 Acrylonitrile	53	3.301	3.302	(0.649)	1931196	453.631	90.726
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.658)	1050263	48.0901	9.618
	25 trans-1,2-Dichloroethene	96	3.349	3.349	(0.658)	508304	52.5757	10.515
	26 Hexane	86	3.574	3.574	(0.702)	101152	61.9227	12.384
	27 Vinyl acetate	43	3.574	3.704	(0.702)	338163	18.9981	3.800
	28 1,1-Dichloroethane	63	3.680	3.680	(0.723)	894052	51.8773	10.375
	29 tert-Butyl Alcohol	59	3.041	3.183	(0.598)	30719	35.1608	7.032
	30 2-Butanone	43	4.142	4.142	(0.814)	194446	34.3407	6.868
M	31 1,2-Dichloroethene (total)	96				1006296	101.796	20.359
	32 cis-1,2-dichloroethene	96	4.153	4.142	(0.816)	497992	49.2203	9.844
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.390	4.390	(0.863)	886917	51.3979	10.280
	36 Tetrahydrofuran	42	4.378	4.378	(0.860)	9900	3.20595	0.6412
	37 1,1,1-Trichloroethane	97	4.568	4.568	(0.898)	573410	57.5299	11.506
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.710	4.710	(0.926)	463247	63.5315	12.706
	40 1,2-Dichloroethane	62	4.863	4.863	(0.956)	694185	50.4637	10.093
	41 Benzene	78	4.863	4.863	(0.956)	2131185	50.2288	10.046
	42 Trichloroethene	130	5.396	5.396	(1.060)	493613	52.4358	10.487
	43 1,2-Dichloropropane	63	5.573	5.573	(1.095)	506882	49.0601	9.812
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.798	5.798	(1.140)	614078	52.9542	10.591
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.188)	241987	43.0118	8.602
	48 cis-1,3-Dichloropropene	75	6.189	6.189	(1.216)	733569	49.3575	9.871
	49 4-Methyl-2-pentanone	43	6.307	6.295	(1.240)	371475	38.1652	7.633
	50 Toluene	91	6.484	6.485	(0.839)	2187377	53.4029	10.680
	51 trans-1,3-Dichloropropene	75	6.662	6.662	(0.862)	646736	49.2544	9.851
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.828	6.828	(0.884)	453726	48.4368	9.687
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.981	6.982	(0.904)	373619	53.0096	10.602
	56 2-Hexanone	43	7.041	7.041	(0.911)	251356	33.0842	6.617
	57 Dibromochloromethane	129	7.194	7.195	(0.931)	436720	57.2382	11.448
	58 1,2-Dibromoethane	107	7.301	7.301	(0.945)	442205	48.6756	9.735
	59 Chlorobenzene	112	7.762	7.763	(1.005)	1394966	49.1513	9.830
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.857	7.857	(1.017)	681507	51.8193	10.364
	62 m + p-Xylene	106	7.964	7.964	(1.031)	1854599	107.872	21.574
M	63 Xylenes (total)	106				2734935	161.164	32.233
	64 Xylene-o	106	8.342	8.342	(1.080)	880336	53.2918	10.658
	65 Styrene	104	8.354	8.354	(1.081)	1574559	47.9358	9.587

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23395.D
Report Date: 26-Aug-2004 10:17

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	8.532	8.532	(1.104)	295936	57.9823	11.596
67 Isopropylbenzene	105	8.685	8.686	(1.124)	2000038	51.0899	10.218
68 1,1,2,2-Tetrachloroethane	83	8.958	8.958	(0.899)	627216	48.1096	9.622
69 1,4-Dichloro-2-butene	53	8.768	9.017	(0.880)	6134	1.68944	0.3379
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	9.253	9.253	(0.929)	4710	2.48561	0.4971
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	9.620	9.620	(0.966)	5582	2.48682	0.4974
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	9.928	9.928	(0.996)	8839	2.74079	0.5482
80 1,3-Dichlorobenzene	146	9.904	9.904	(0.994)	968757	46.1612	9.232
81 1,4-Dichlorobenzene	146	9.987	9.987	(1.002)	1087166	48.4406	9.688
82 n-Butylbenzene	91	10.330	10.330	(1.037)	11725	2.90693	0.5814
83 1,2-Dichlorobenzene	146	10.354	10.354	(1.039)	952102	46.6814	9.336
84 1,2-Dibromo-3-chloropropane	157	11.123	11.111	(1.116)	83512	44.4880	8.898
85 1,2,4-Trichlorobenzene	180	11.951	11.951	(1.200)	276434	36.1875	7.238
86 Hexachlorobutadiene	225	12.129	12.129	(1.217)	8331	2.23087	0.4462
87 Naphthalene	128	12.200	12.200	(1.224)	3738	2.04267	0.4085
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.627	4.627	(0.909)	701166	52.4327	10.486
143 Methyl Acetate	43	3.029	3.029	(0.595)	364669	44.6141	8.923
144 Methylcyclohexane	83	5.573	5.573	(1.095)	589129	53.6524	10.730
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNX4R1AA **Matrix.....:** WATER
MB Lot-Sample #: A4H260000-141

Prep Date.....: 08/25/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 08/25/04 **Prep Batch #...:** 4239141
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 #...: A4H180231 **Work Order #...:** GNX4R1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.48 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	100	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
Toluene-d8	89	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

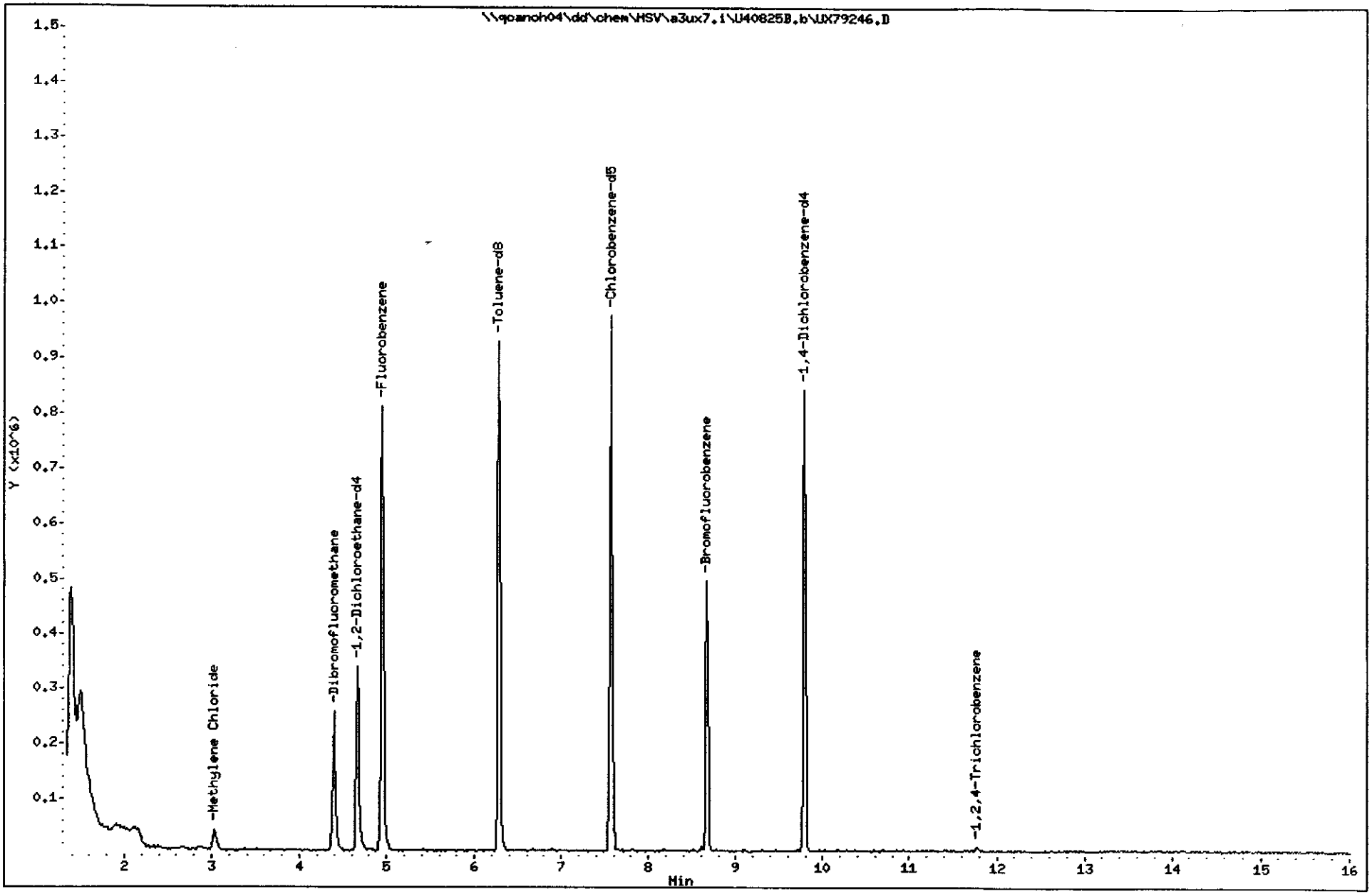
NOTE(S):

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

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40825B.b\UX79246.D
Date : 25-AUG-2004 23:09
Client ID: GDX4R1AA
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\U40825B.b\UX79246.D
Report Date: 26-Aug-2004 11:41

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79246.D
Lab Smp Id: GNX4R1AA
Inj Date : 25-AUG-2004 23:09
Operator : 1754 Inst ID: a3ux7.i
Smp Info : VOLBLANK,5ML/5ML
Misc Info : U40825B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m
Meth Date : 26-Aug-2004 11:28 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	4.952	4.952	(1.000)	815399	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.567	(1.000)	589645	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.791	(1.000)	223227	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.395	(0.888)	182308	50.2281	10.046
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	265351	48.8339	9.767
$ 6 Toluene-d8	98	6.278	6.277	(0.830)	677831	44.5991	8.920
$ 7 Bromofluorobenzene	95	8.668	8.667	(1.145)	199840	41.2369	8.247
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\U40825B.b\UX79246.D
Report Date: 26-Aug-2004 11:41

	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	3.036	3.035	(0.613)	26424	2.41957	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	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\U40825B.b\UX79246.D
Report Date: 26-Aug-2004 11:41

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	11.780	11.779	(1.203)	3420	1.30911	0.2618
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\U40825B.b\UX79246.D

Date : 25-AUG-2004 23:09

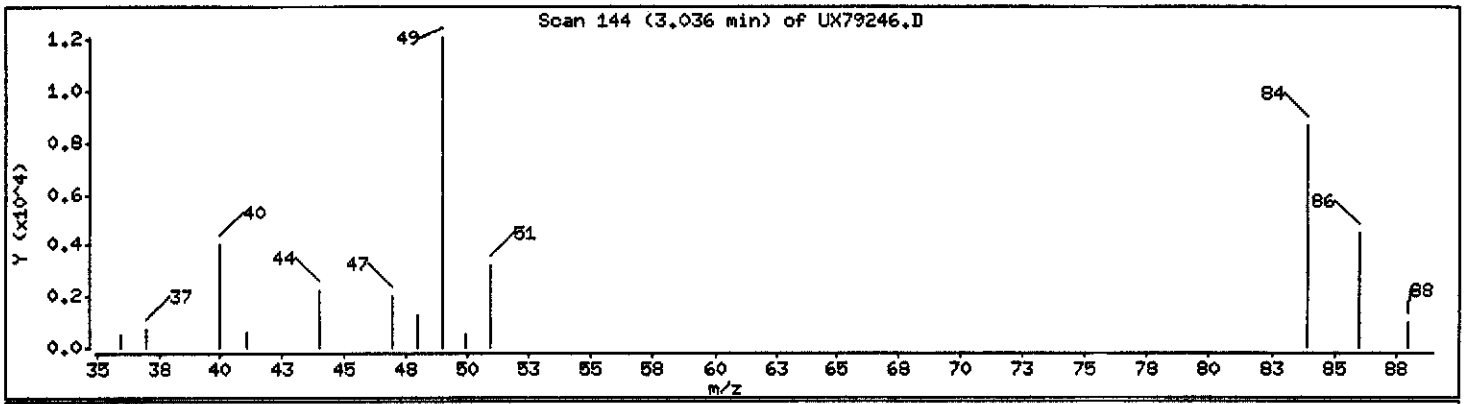
Client ID: | Instrument: a3ux7.i

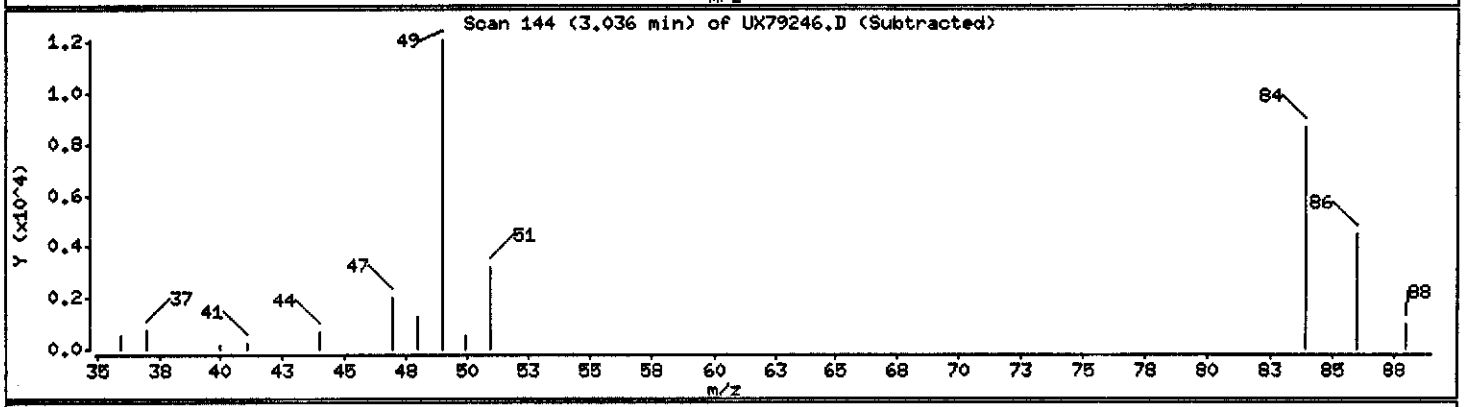
Sample Info: VOLBLANK,5ML/5ML

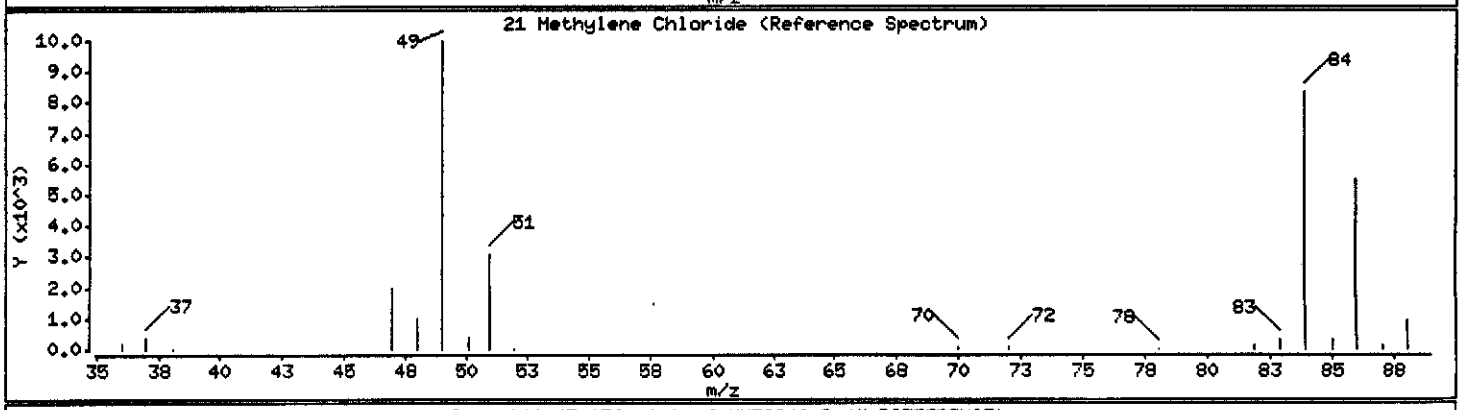
Purge Volume: 5.0 | Operator: 1754

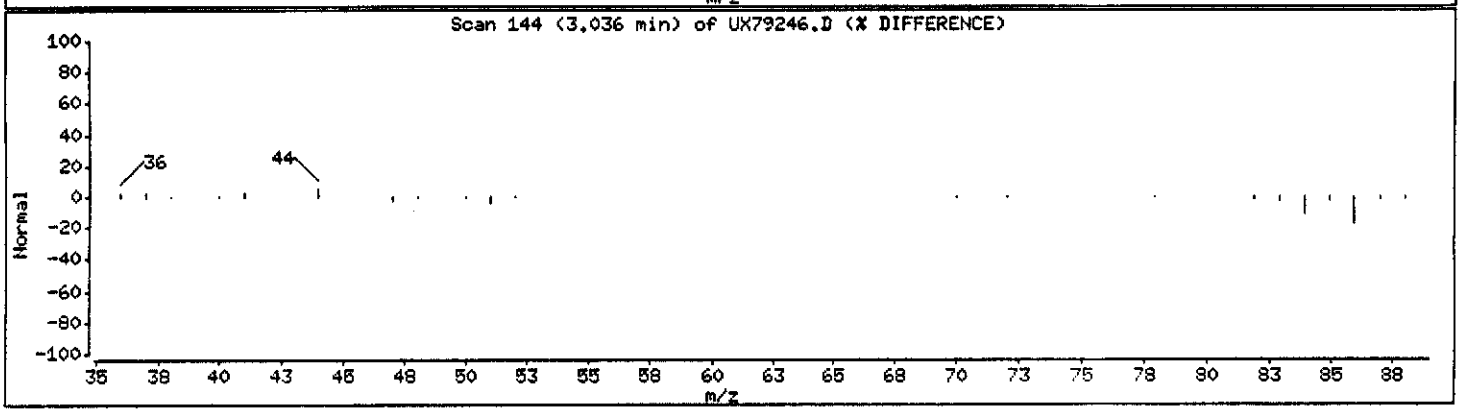
Column phase: DB624 20m | Column diameter: 0.18

21 Methylene Chloride | Concentration: 0.4839 ug/L









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Date : 25-AUG-2004 23:09

Client ID:

Instrument: a3ux7.i

Sample Info: VOLBLANK,5ML/5ML

Purge Volume: 5.0

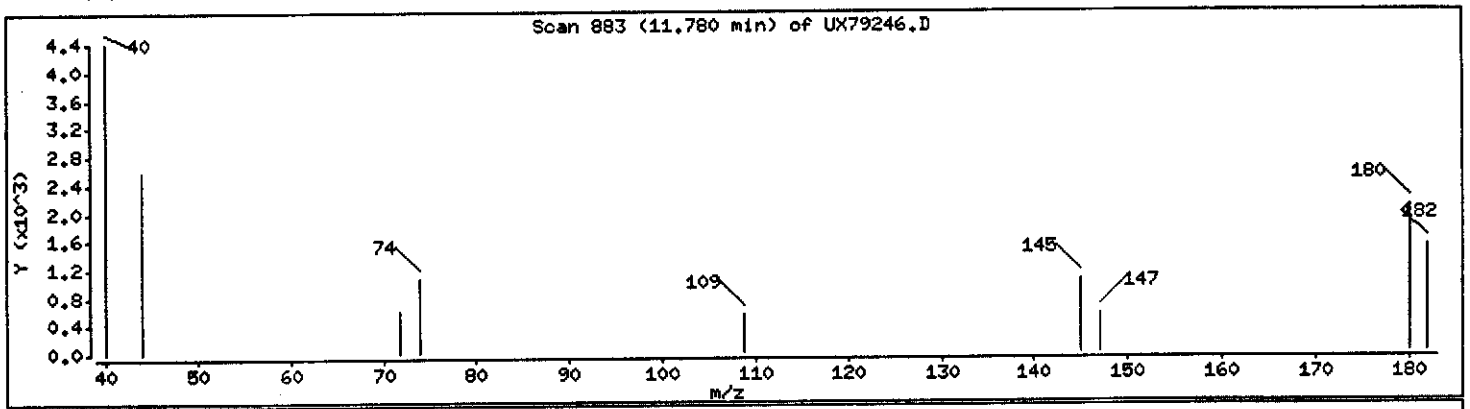
Operator: 1754

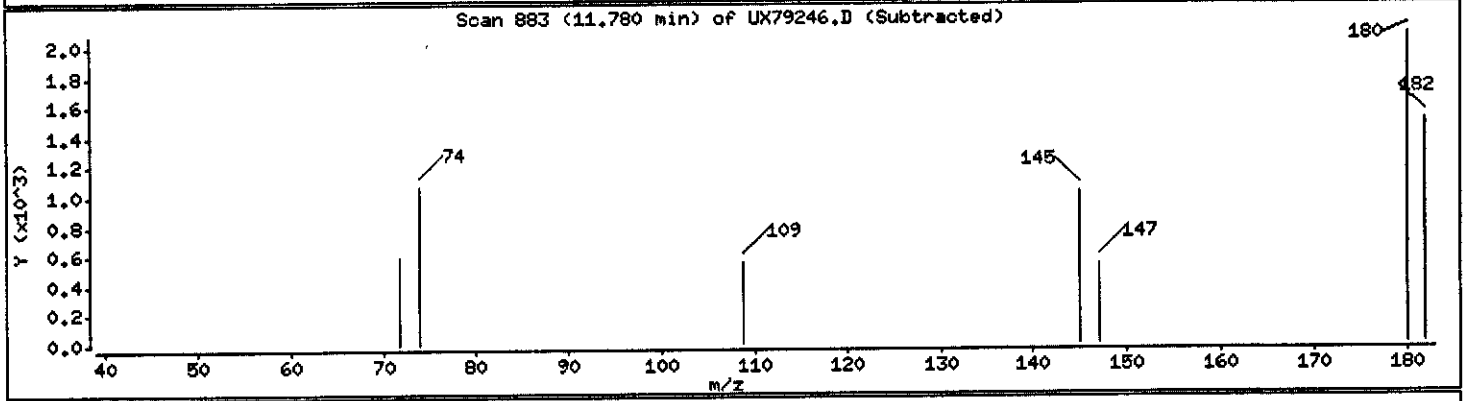
Column phase: DB624 20m

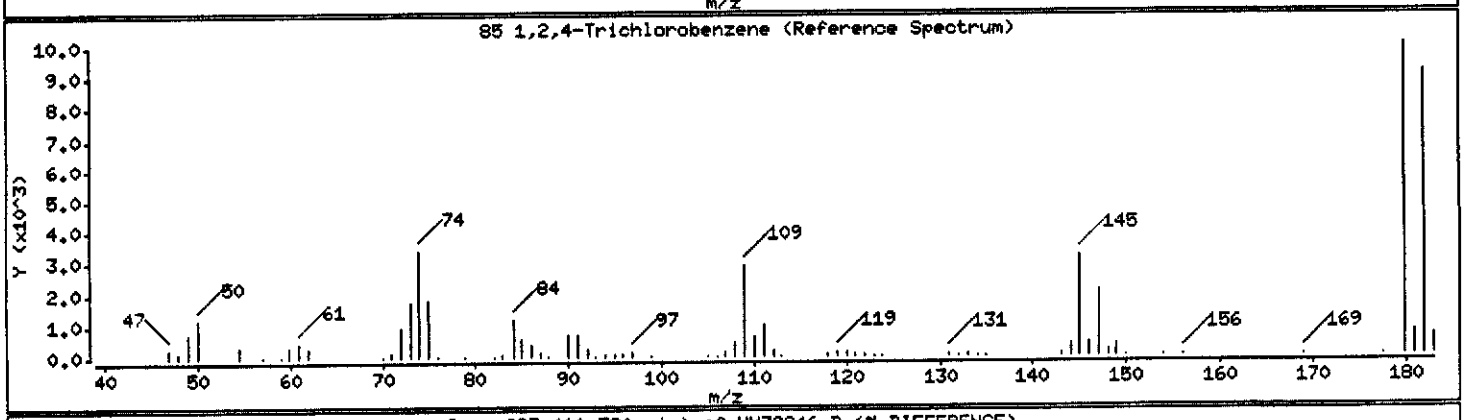
Column diameter: 0.18

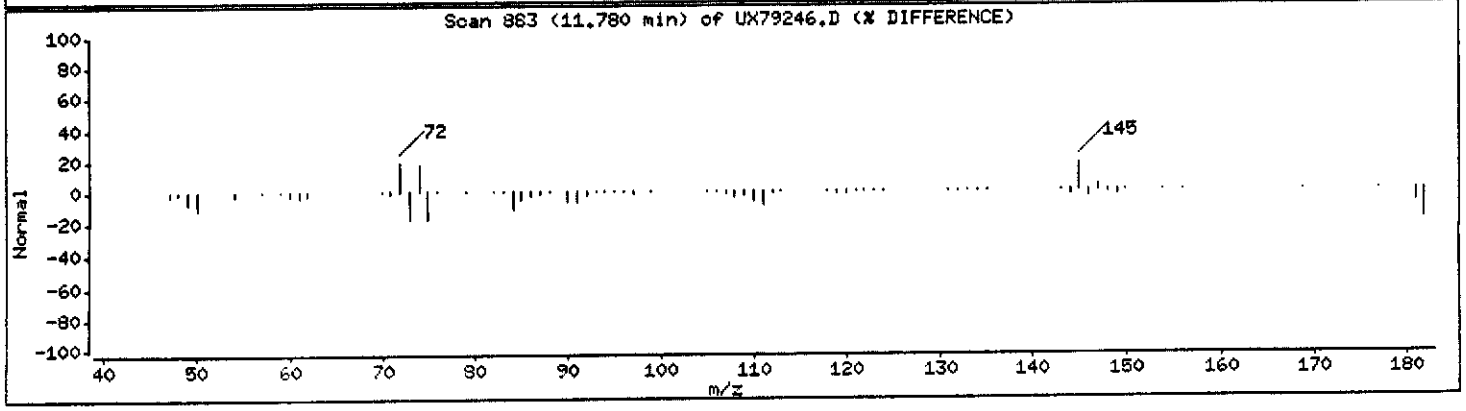
85 1,2,4-Trichlorobenzene

Concentration: 0.2618 ug/L









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Report Date: 26-Aug-2004 11:41

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79246.D
Lab Smp Id: GNX4R1AA
Inj Date : 25-AUG-2004 23:09
Operator : 1754 Inst ID: a3ux7.i
Smp Info : VOLBLANK,5ML/5ML
Misc Info : U40825B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m
Meth Date : 26-Aug-2004 11:28 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

ISTD	RT	AREA	AMOUNT
* 1 Fluorobenzene	4.953	1733320	50.000

	RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown	1.912	355087	10.2429730	2.048	CAS #: 0		0	1

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GN7MP1AA **Matrix.....:** WATER
MB Lot-Sample #: A4H300000-253

Prep Date.....: 08/27/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 08/27/04 **Prep Batch #...:** 4243253
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 #...: A4H180231 **Work Order #...:** GN7MP1AA **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

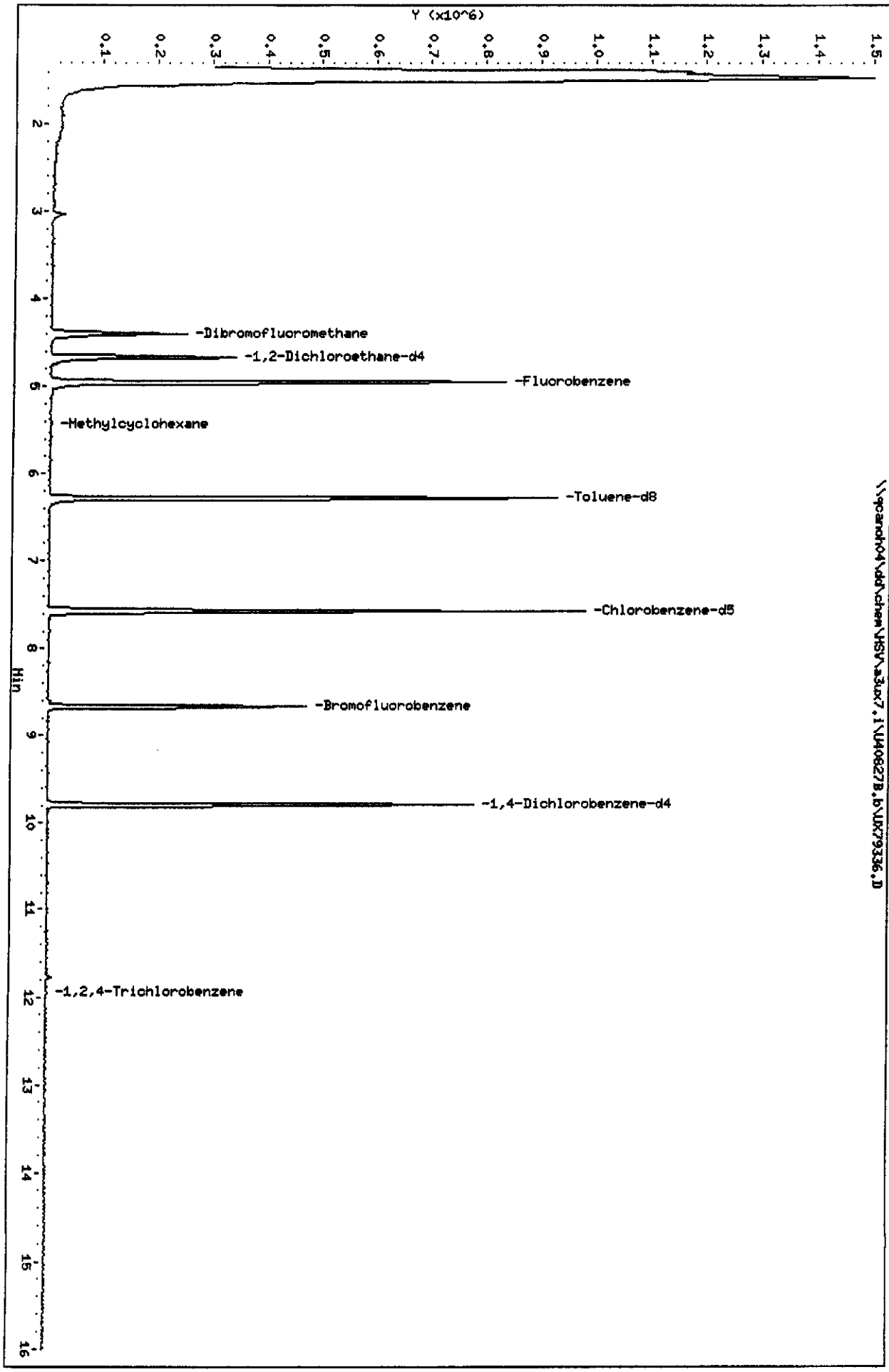
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
Toluene-d8	90	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

NOTE(S):

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

Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\U406827B.b\UX79336.D
Date : 27-AUG-2004 21:39
Client ID: GB 7m P, Ant
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\U40827B.b\UX79336.D
Report Date: 31-Aug-2004 14:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79336.D
Lab Smp Id: GN7MP1AA
Inj Date : 27-AUG-2004 21:39
Operator : 1754 Inst ID: a3ux7.i
Smp Info : VOLBLANK,5ML/5ML
Misc Info : U40827B,N8260UX7-3,,1754,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 31-Aug-2004 14:02 roachc 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	4.952	4.952	(1.000)	859366	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	582659	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	199294	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	186854	48.8467	9.769
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	271618	47.4298	9.486
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	675080	44.9507	8.990
$ 7 Bromofluorobenzene	95	8.667	8.668	(1.145)	187197	39.0912	7.818
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\U40827B.b\UX79336.D
Report Date: 31-Aug-2004 14:07

	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\U40827B.b\UX79336.D
Report Date: 31-Aug-2004 14:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.779	11.780	(1.203)	4086	1.75187	0.3504
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	5.425	5.437	(1.096)	1241	4.42798	0.8856
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79336.D

Date : 27-AUG-2004 21:39

Client ID:

Instrument: a3ux7.i

Sample Info: VOLBLANK,5ML/5ML

Purge Volume: 5.0

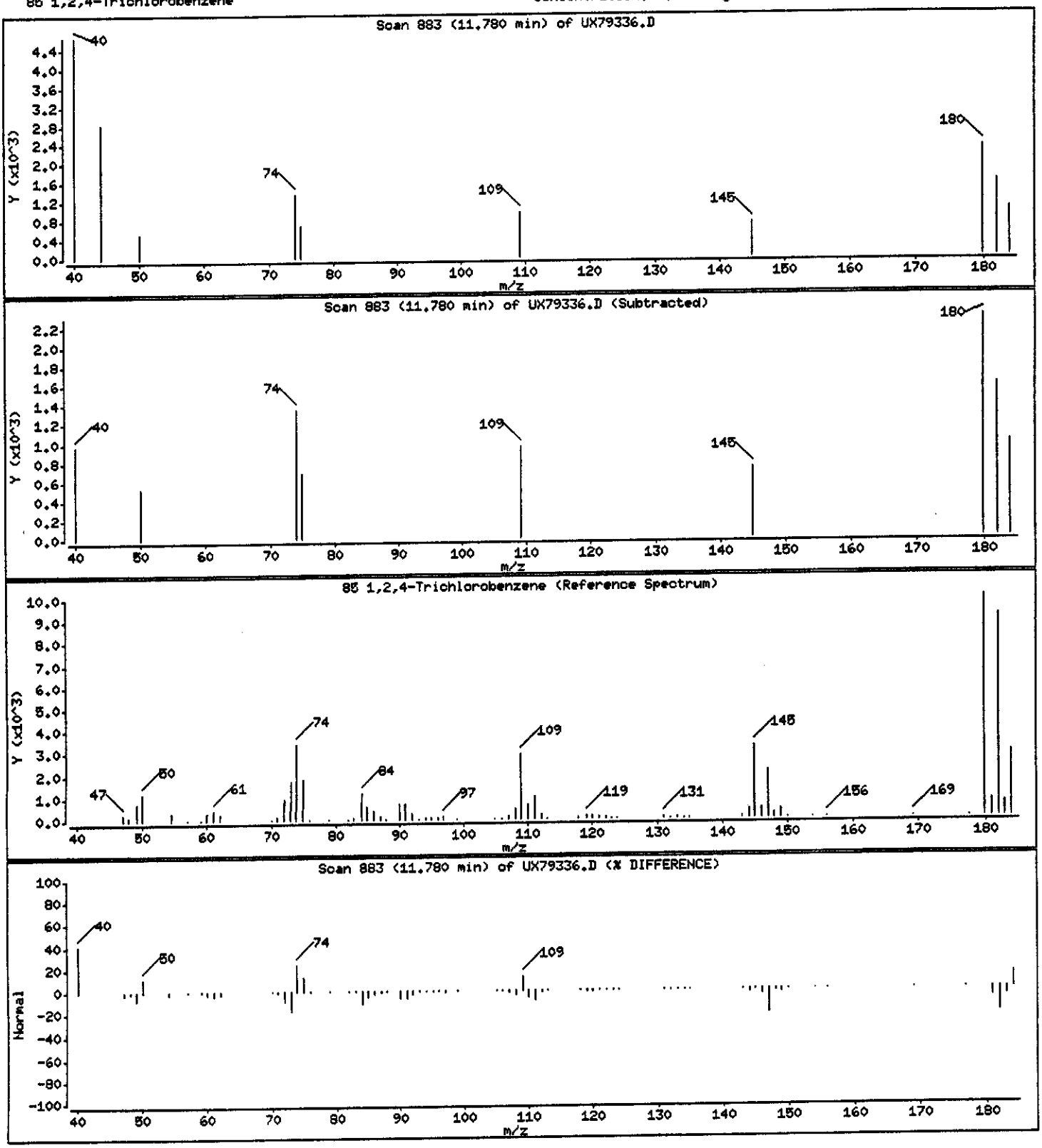
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

85 1,2,4-Trichlorobenzene

Concentration: 0.3504 ug/L



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Date : 27-AUG-2004 21:39

Client ID:

Instrument: a3ux7.i

Sample Info: VOLBLANK,5ML/5ML

Purge Volume: 5.0

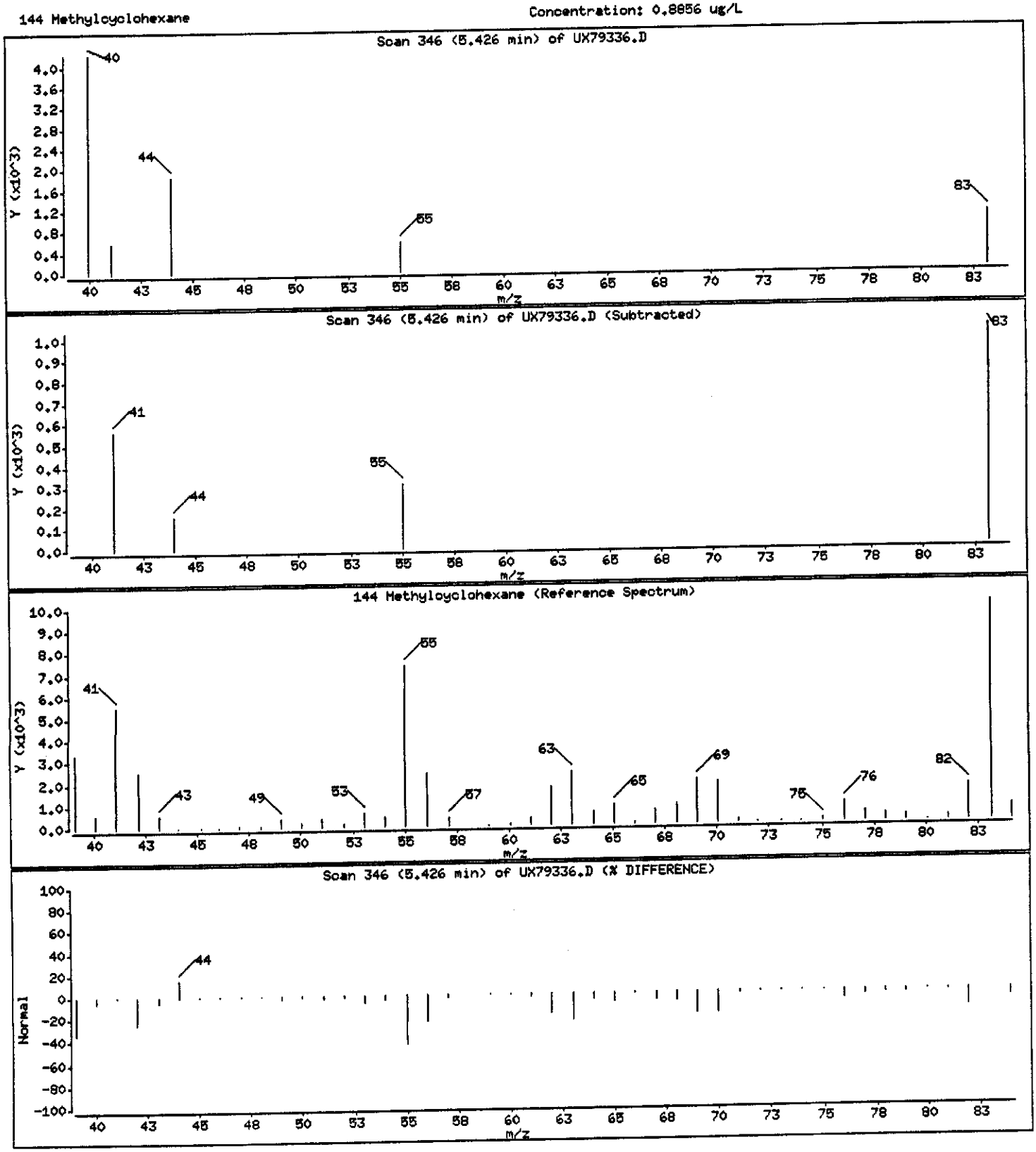
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

Concentration: 0.8856 ug/L

144 Methylcyclohexane



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Report Date: 31-Aug-2004 14:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79336.D
Lab Smp Id: GN7MP1AA
Inj Date : 27-AUG-2004 21:39
Operator : 1754 Inst ID: a3ux7.i
Smp Info : VOLBLANK,5ML/5ML
Misc Info : U40827B,N8260UX7-3,,1754,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 31-Aug-2004 14:02 roachc 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

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNX3X1AA **Matrix.....:** WATER
MB Lot-Sample #: A4H260000-131

Prep Date.....: 08/25/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 08/25/04 **Prep Batch #...:** 4239131
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 #...: A4H180231 **Work Order #...:** GNX3X1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**1.3**	**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	111	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

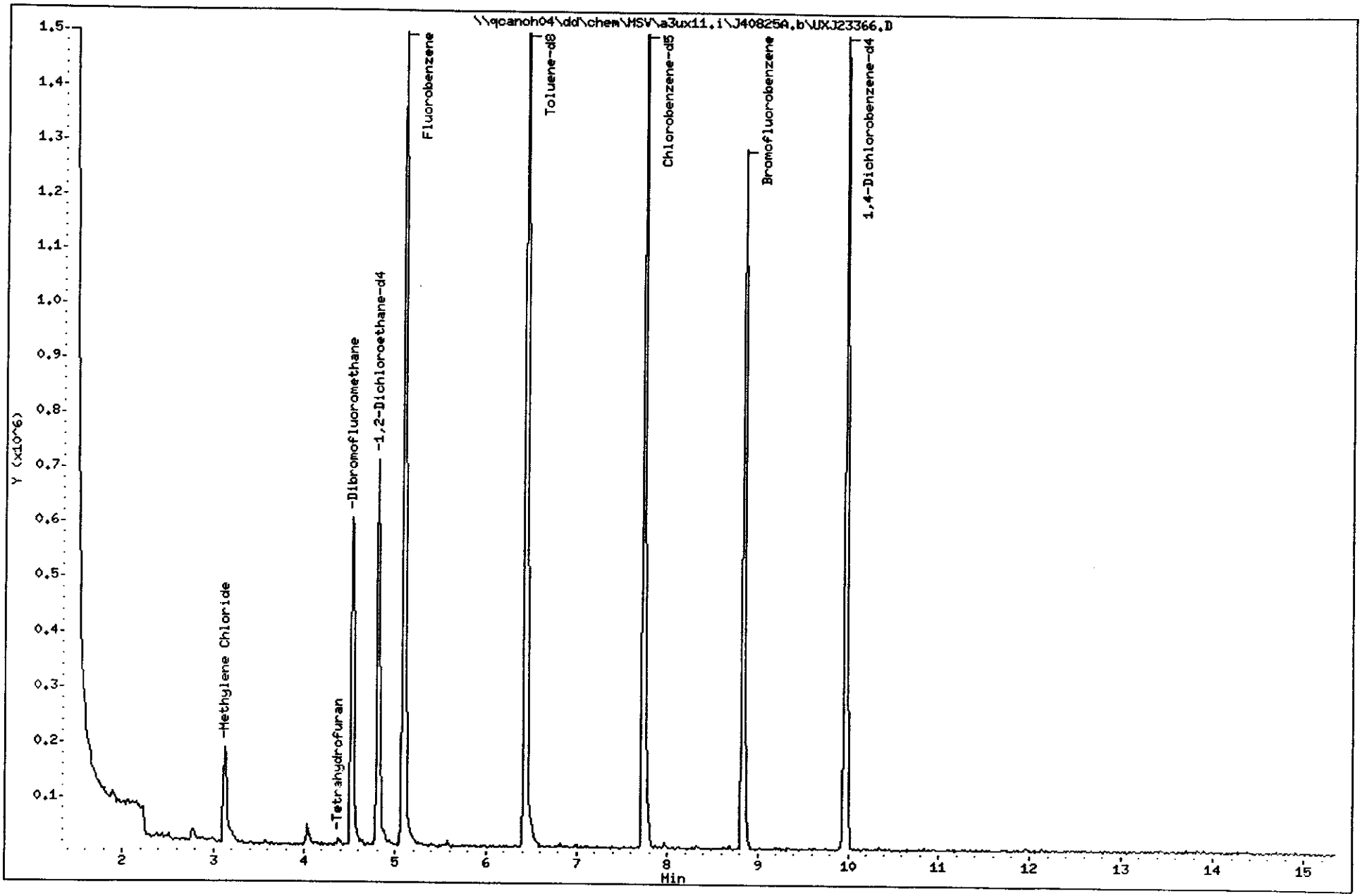
NOTE(S):

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23366.D
Date : 25-AUG-2004 10:13
Client ID: GWX3X1AA
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\J40825A.b\UXJ23366.D
Report Date: 26-Aug-2004 08:39

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23366.D
Lab Smp Id: VBLK
Inj Date : 25-AUG-2004 10:13
Operator : 43582 Inst ID: a3ux11.i
Smp Info : VBLK
Misc Info : J40825A,8260LLUX11,,43582,3,,BLANK,,0
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825A.b\8260LLUX11.m
Meth Date : 26-Aug-2004 08:38 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: 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	5.088	5.088	(1.000)	1692407	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.739	(1.000)	1354462	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.964	9.963	(1.000)	608808	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	440335	55.2859	11.057
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	554057	52.5270	10.505
$ 6 Toluene-d8	98	6.437	6.425	(0.832)	1544533	47.5963	9.519
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	560559	40.7600	8.152
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23366.D
Report Date: 26-Aug-2004 08:39

	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	3.124	3.124	(0.614)	129046	6.44862	1.290
	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	4.378	4.378	(0.860)	8218	2.96414	0.5928
	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\J40825A.b\UXJ23366.D
Report Date: 26-Aug-2004 08:39

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.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23366.D

Date : 25-AUG-2004 10:13

Client ID:

Instrument: a3ux11.i

Sample Info: VBLK

Purge Volume: 5.0

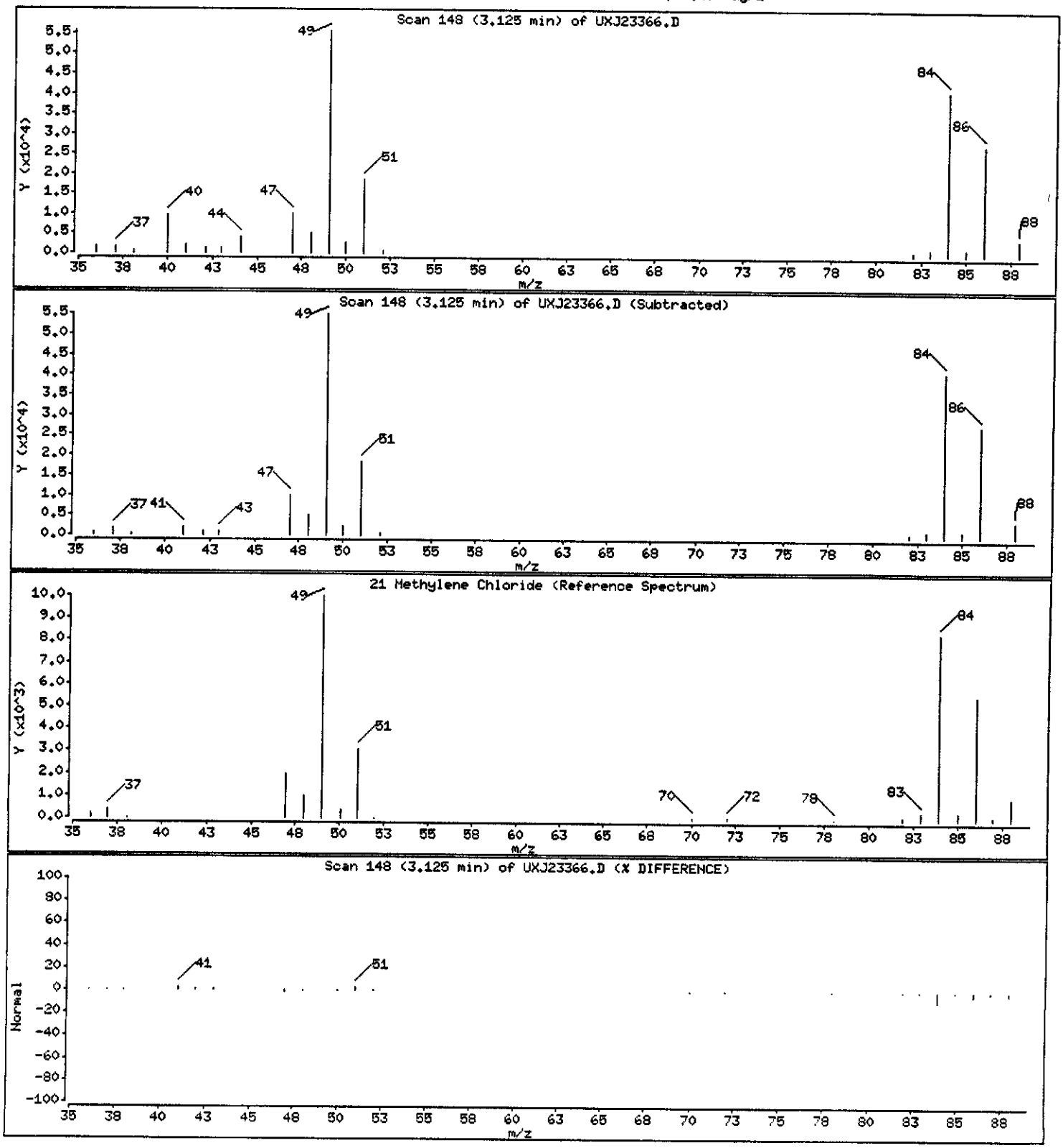
Operator: 43582

Column phase: DB624

Column diameter: 0.18

21 Methylene Chloride

Concentration: 1.290 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23366.D

Date : 25-AUG-2004 10:13

Client ID:

Instrument: a3ux11.i

Sample Info: VBLK

Purge Volume: 5.0

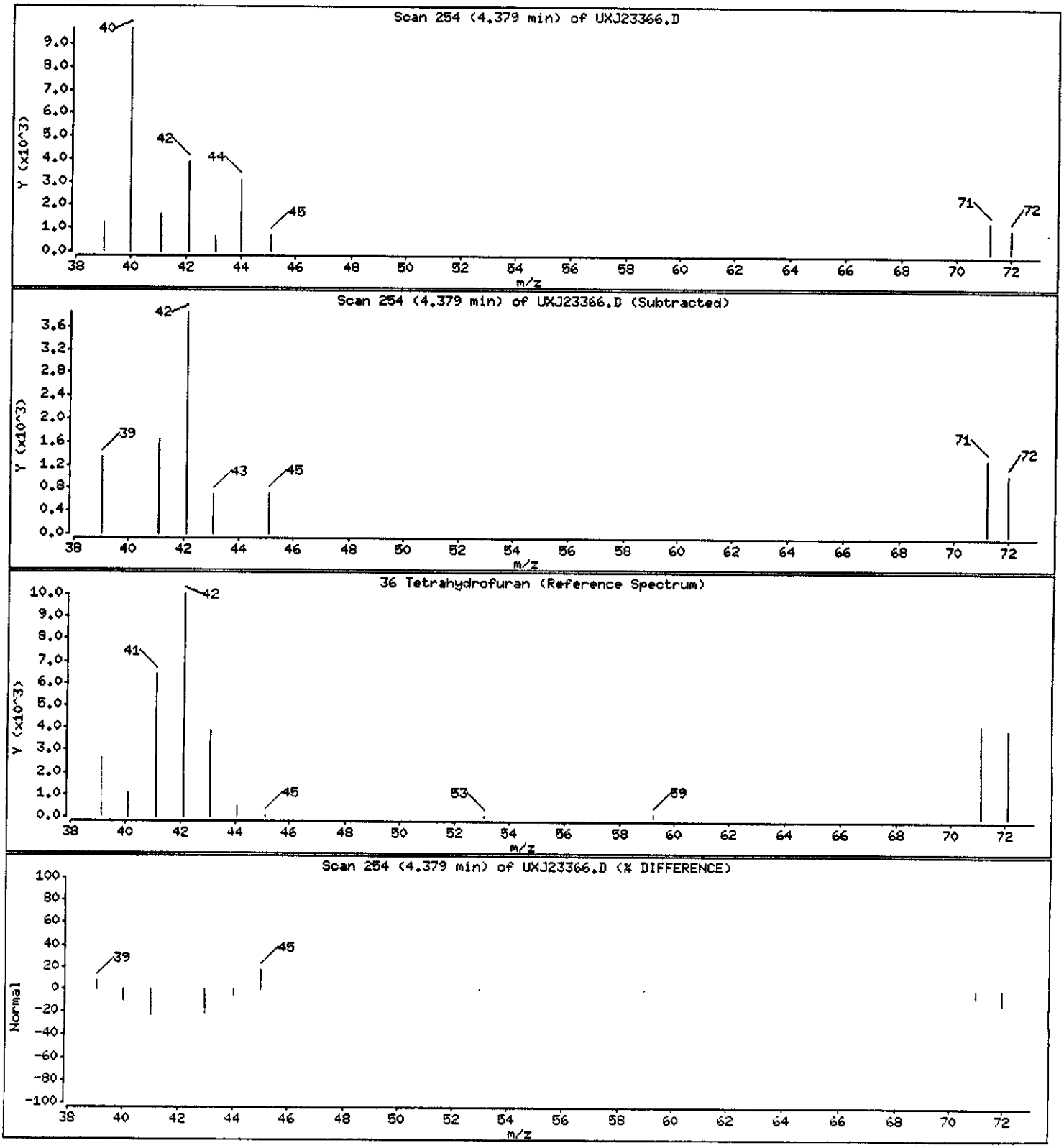
Operator: 43582

Column phase: DB624

Column diameter: 0.18

36 Tetrahydrofuran

Concentration: 0.5928 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23366.D
Report Date: 26-Aug-2004 08:39

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825A.b\UXJ23366.D
Lab Smp Id: VBLK
Inj Date : 25-AUG-2004 10:13
Operator : 43582 Inst ID: a3ux11.i
Smp Info : VBLK
Misc Info : J40825A,8260LLUX11,,43582,3,,BLANK,,0
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825A.b\8260LLUX11.m
Meth Date : 26-Aug-2004 08:38 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNX4A1AA **Matrix.....:** WATER
MB Lot-Sample #: A4H260000-136

Prep Date.....: 08/25/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 08/25/04 **Prep Batch #...:** 4239136
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 #...: A4H180231 **Work Order #...:** GNX4A1AA **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	108	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

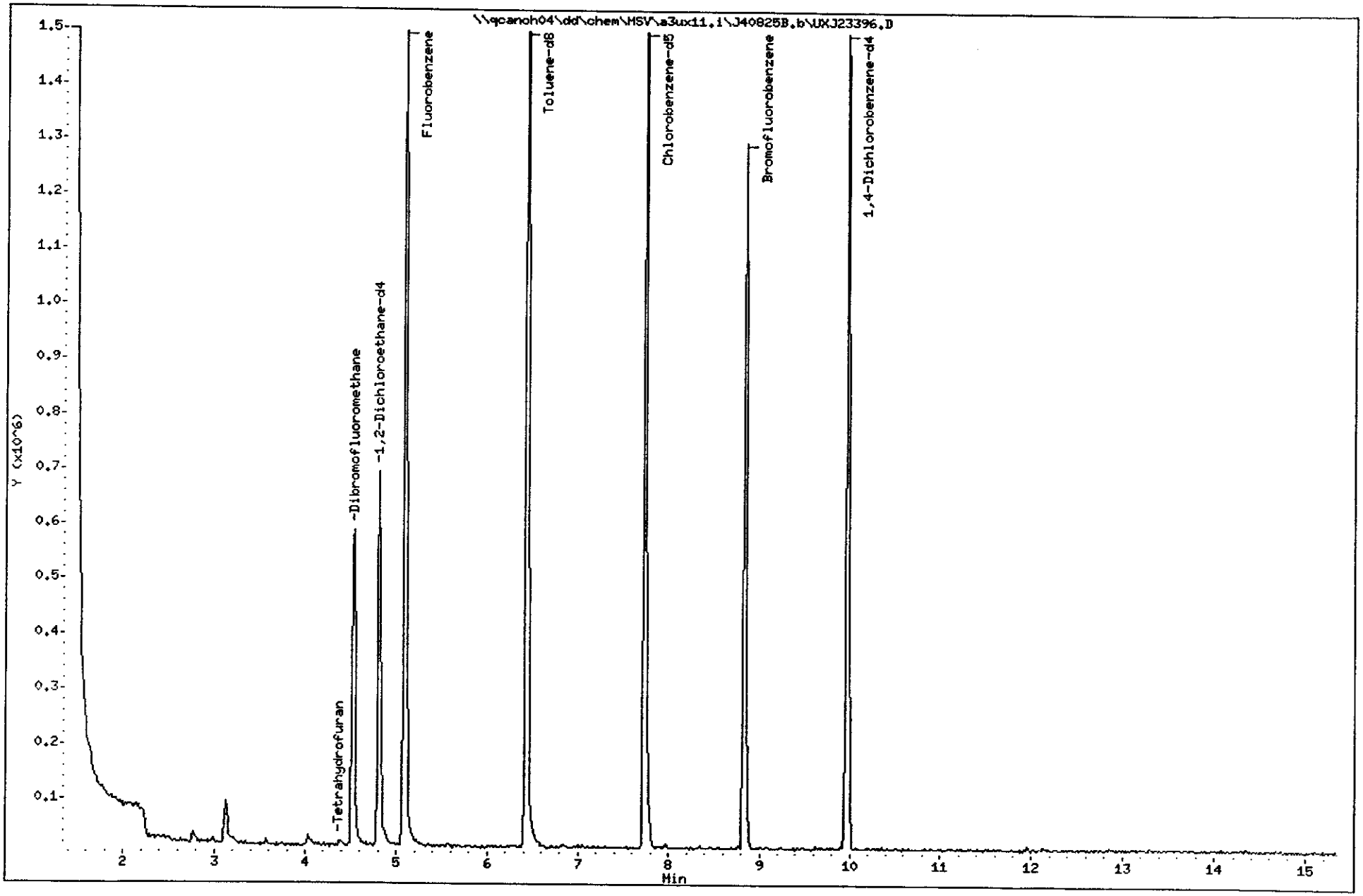
NOTE(S):

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23396.D
Date : 25-AUG-2004 22:36
Client ID: GWX4A/AA
Sample Info: VBLK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i

Operator: 43582
Column diameter: 0.18



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STL North Canton

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23396.D
Report Date: 26-Aug-2004 10:18

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23396.D
Lab Smp Id: VBLK
Inj Date : 25-AUG-2004 22:36
Operator : 43582 Inst ID: a3ux11.i
Smp Info : VBLK
Misc Info : J40825B,8260LLUX11,,43582,3,,BLANK,,0
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m
Meth Date : 26-Aug-2004 10:17 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 35 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	5.088	5.088	(1.000)	1687339	50.0000	
* 2 Chlorobenzene-d5	117	7.739	7.727	(1.000)	1351592	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.963	9.963	(1.000)	604765	50.0000	
$ 4 Dibromofluoromethane	113	4.520	4.520	(0.888)	427941	53.8912	10.778
$ 5 1,2-Dichloroethane-d4	65	4.804	4.804	(0.944)	544805	51.8050	10.361
$ 6 Toluene-d8	98	6.437	6.425	(0.832)	1569758	48.4764	9.695
$ 7 Bromofluorobenzene	95	8.839	8.839	(1.142)	548876	39.9952	7.999
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\J40825B.b\UXJ23396.D
Report Date: 26-Aug-2004 10:18

	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	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	4.378	4.378	(0.860)	7430	2.68797	0.5376
	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\J40825B.b\UXJ23396.D
Report Date: 26-Aug-2004 10:18

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	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.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23396.D

Date : 25-AUG-2004 22:36

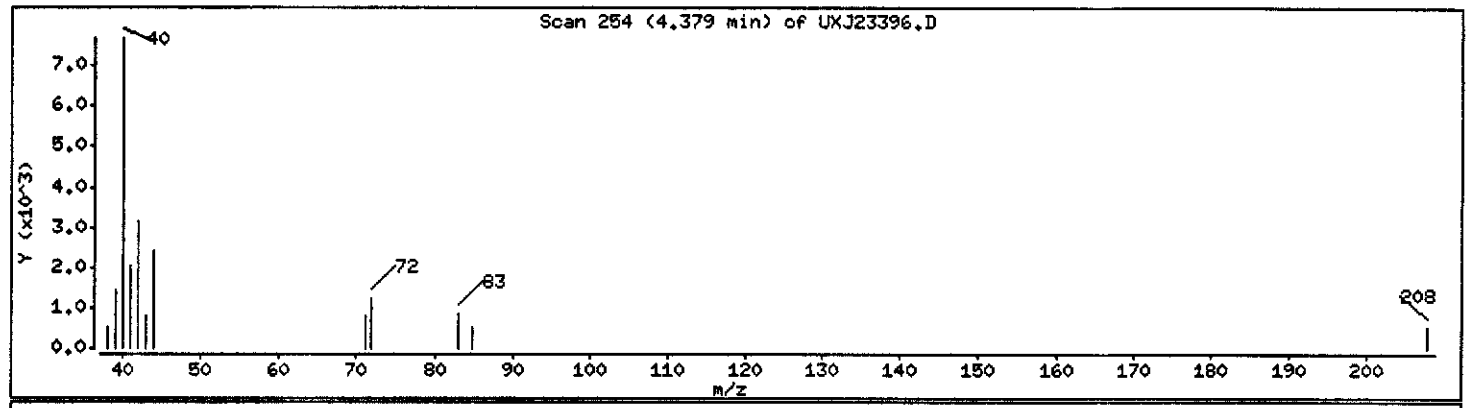
Client ID: | Instrument: a3ux11.i

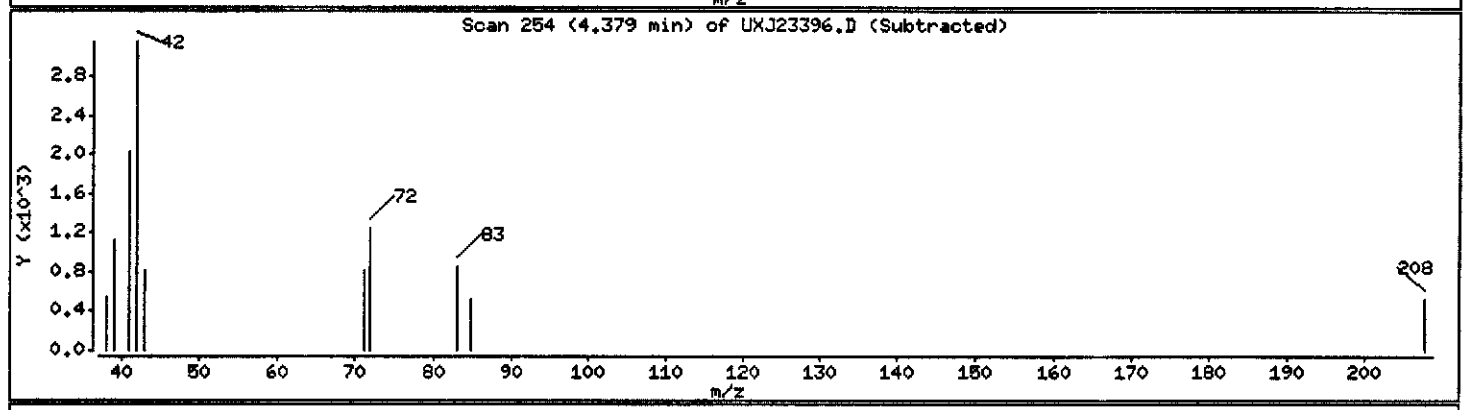
Sample Info: VBLK

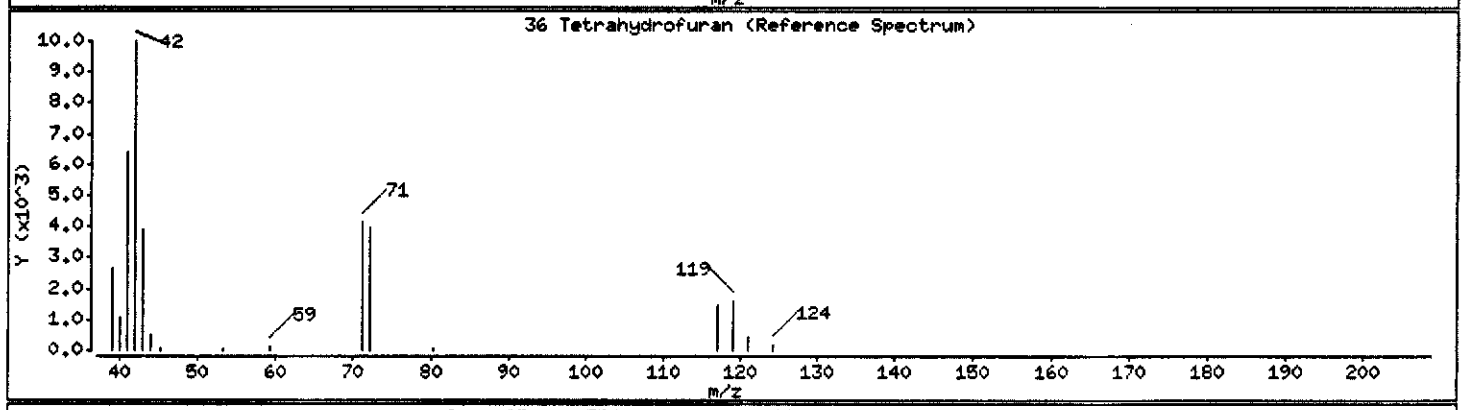
Purge Volume: 5.0 | Operator: 43582

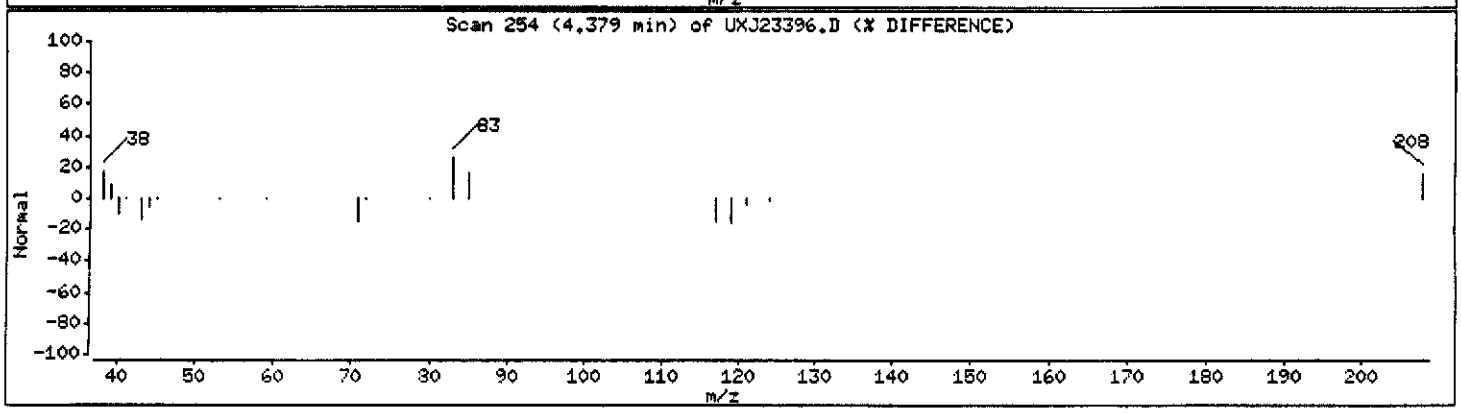
Column phase: DB624 | Column diameter: 0.18

36 Tetrahydrofuran | Concentration: 0.5376 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23396.D
Report Date: 26-Aug-2004 10:18

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40825B.b\UXJ23396.D
Lab Smp Id: VBLK
Inj Date : 25-AUG-2004 22:36
Operator : 43582 Inst ID: a3ux11.i
Smp Info : VBLK
Misc Info : J40825B,8260LLUX11,,43582,3,,BLANK,,0
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40825B.b\8260LLUX11.m
Meth Date : 26-Aug-2004 10:17 evansl Quant Type: ISTD
Cal Date : 23-AUG-2004 16:17 Cal File: UXJ23274.D
Als bottle: 35 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNEJP1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4H180231-005 GNEJP1AD-MSD
Date Sampled...: 08/17/04 13:28 **Date Received..:** 08/18/04
Prep Date.....: 08/26/04 **Analysis Date..:** 08/26/04
Prep Batch #...: 4239141
Dilution Factor: 1000 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	55	(45 - 128)			SW846 8260B
	64	(45 - 128)	14	(0-30)	SW846 8260B
Benzene	**88**	**(78 - 118)**			**SW846 8260B**
	97	**(78 - 118)**	**9.4**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	94	(80 - 146)			SW846 8260B
	104	(80 - 146)	10	(0-30)	SW846 8260B
Bromoform	106	(58 - 176)			SW846 8260B
	115	(58 - 176)	8.0	(0-30)	SW846 8260B
Bromomethane	69	(55 - 145)			SW846 8260B
	74	(55 - 145)	6.1	(0-30)	SW846 8260B
2-Butanone	75	(71 - 123)			SW846 8260B
	73	(71 - 123)	2.5	(0-30)	SW846 8260B
Carbon disulfide	82	(69 - 138)			SW846 8260B
	90	(69 - 138)	8.9	(0-41)	SW846 8260B
Carbon tetrachloride	84	(63 - 176)			SW846 8260B
	94	(63 - 176)	11	(0-30)	SW846 8260B
Chlorobenzene	**86**	**(76 - 117)**			**SW846 8260B**
	92	**(76 - 117)**	**6.0**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	101	(71 - 158)			SW846 8260B
	109	(71 - 158)	7.6	(0-30)	SW846 8260B
Chloroethane	76	(59 - 142)			SW846 8260B
	81	(59 - 142)	6.0	(0-30)	SW846 8260B
Chloroform	90	(83 - 141)			SW846 8260B
	98	(83 - 141)	7.7	(0-30)	SW846 8260B
Chloromethane	77	(40 - 137)			SW846 8260B
	78	(40 - 137)	1.6	(0-39)	SW846 8260B
1,1-Dichloroethane	92	(88 - 127)			SW846 8260B
	101	(88 - 127)	9.1	(0-30)	SW846 8260B
1,2-Dichloroethane	93	(71 - 160)			SW846 8260B
	101	(71 - 160)	6.9	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	91	(87 - 114)			SW846 8260B
	102	(87 - 114)	8.2	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	93	(85 - 116)			SW846 8260B
	103	(85 - 116)	9.4	(0-30)	SW846 8260B
1,1-Dichloroethene	**90**	**(62 - 130)**			**SW846 8260B**
	99	**(62 - 130)**	**9.2**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	92	(86 - 115)			SW846 8260B
	102	(86 - 115)	8.7	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNEJP1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4H180231-005 GNEJP1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	93	(87 - 114)			SW846 8260B
	103	(87 - 114)	9.9	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	87	(82 - 130)			SW846 8260B
	97	(82 - 130)	11	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	89	(73 - 147)			SW846 8260B
	95	(73 - 147)	7.1	(0-30)	SW846 8260B
Ethylbenzene	76 a	(86 - 132)			SW846 8260B
	82 a	(86 - 132)	7.8	(0-30)	SW846 8260B
2-Hexanone	78 a	(81 - 128)			SW846 8260B
	74 a	(81 - 128)	4.7	(0-30)	SW846 8260B
Methylene chloride	86	(82 - 115)			SW846 8260B
	91	(82 - 115)	5.5	(0-30)	SW846 8260B
4-Methyl-2-pentanone	91	(82 - 135)			SW846 8260B
	93	(82 - 135)	2.5	(0-30)	SW846 8260B
Styrene	78 a	(83 - 120)			SW846 8260B
	83	(83 - 120)	5.6	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	104	(88 - 116)			SW846 8260B
	110	(88 - 116)	6.4	(0-30)	SW846 8260B
Tetrachloroethene	78 a	(85 - 121)			SW846 8260B
	81 a	(85 - 121)	4.3	(0-30)	SW846 8260B
Toluene	**90**	**(70 - 119)**			**SW846 8260B**
	96	**(70 - 119)**	**6.9**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	87	(71 - 162)			SW846 8260B
	94	(71 - 162)	7.8	(0-30)	SW846 8260B
1,1,2-Trichloroethane	92	(86 - 129)			SW846 8260B
	96	(86 - 129)	4.2	(0-30)	SW846 8260B
Trichloroethene	**80**	**(62 - 130)**			**SW846 8260B**
	77	**(62 - 130)**	**1.7**	**(0-20)**	**SW846 8260B**
Vinyl chloride	72 a	(88 - 126)			SW846 8260B
	78 a	(88 - 126)	7.7	(0-30)	SW846 8260B
Xylenes (total)	77 a	(89 - 121)			SW846 8260B
	82 a	(89 - 121)	6.4	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(73 - 122)
	99	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
	100	(61 - 128)
Toluene-d8	99	(76 - 110)
	97	(76 - 110)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNEJP1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4H180231-005 GNEJP1AD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	95	(74 - 116)
	96	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNEJP1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4H180231-005 GNEJP1AD-MSD
Date Sampled...: 08/17/04 13:28 **Date Received..:** 08/18/04
Prep Date.....: 08/26/04 **Analysis Date..:** 08/26/04
Prep Batch #...: 4239141
Dilution Factor: 1000 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	ND	10000	5500	ug/L	55		SW846 8260B
	ND	10000	6400	ug/L	64	14	SW846 8260B
Benzene	**430**	**10000**	**9200**	**ug/L**	**88**		**SW846 8260B**
	430	**10000**	**10000**	**ug/L**	**97**	**9.4**	**SW846 8260B**
Bromodichloromethane	ND	10000	9400	ug/L	94		SW846 8260B
	ND	10000	10000	ug/L	104	10	SW846 8260B
Bromoform	ND	10000	11000	ug/L	106		SW846 8260B
	ND	10000	12000	ug/L	115	8.0	SW846 8260B
Bromomethane	ND	10000	6900	ug/L	69		SW846 8260B
	ND	10000	7400	ug/L	74	6.1	SW846 8260B
2-Butanone	ND	10000	7500	ug/L	75		SW846 8260B
	ND	10000	7300	ug/L	73	2.5	SW846 8260B
Carbon disulfide	ND	10000	8200	ug/L	82		SW846 8260B
	ND	10000	9000	ug/L	90	8.9	SW846 8260B
Carbon tetrachloride	ND	10000	8400	ug/L	84		SW846 8260B
	ND	10000	9400	ug/L	94	11	SW846 8260B
Chlorobenzene	**ND**	**10000**	**8600**	**ug/L**	**86**		**SW846 8260B**
	ND	**10000**	**9200**	**ug/L**	**92**	**6.0**	**SW846 8260B**
Dibromochloromethane	ND	10000	10000	ug/L	101		SW846 8260B
	ND	10000	11000	ug/L	109	7.6	SW846 8260B
Chloroethane	ND	10000	7600	ug/L	76		SW846 8260B
	ND	10000	8100	ug/L	81	6.0	SW846 8260B
Chloroform	260	10000	9300	ug/L	90		SW846 8260B
	260	10000	10000	ug/L	98	7.7	SW846 8260B
Chloromethane	ND	10000	7700	ug/L	77		SW846 8260B
	ND	10000	7800	ug/L	78	1.6	SW846 8260B
1,1-Dichloroethane	ND	10000	9200	ug/L	92		SW846 8260B
	ND	10000	10000	ug/L	101	9.1	SW846 8260B
1,2-Dichloroethane	1000	10000	10000	ug/L	93		SW846 8260B
	1000	10000	11000	ug/L	101	6.9	SW846 8260B
cis-1,2-Dichloroethene	4300	10000	13000	ug/L	91		SW846 8260B
	4300	10000	14000	ug/L	102	8.2	SW846 8260B
trans-1,2-Dichloroethene	ND	10000	9300	ug/L	93		SW846 8260B
	ND	10000	10000	ug/L	103	9.4	SW846 8260B
1,1-Dichloroethene	**ND**	**10000**	**9000**	**ug/L**	**90**		**SW846 8260B**
	ND	**10000**	**9900**	**ug/L**	**99**	**9.2**	**SW846 8260B**
1,2-Dichloroethene (total)	4300	20000	23000	ug/L	92		SW846 8260B
	4300	20000	25000	ug/L	102	8.7	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNEJP1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4H180231-005 GNEJP1AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dichloropropane	ND	10000	9300	ug/L	93		SW846 8260B
	ND	10000	10000	ug/L	103	9.9	SW846 8260B
cis-1,3-Dichloropropene	ND	10000	8700	ug/L	87		SW846 8260B
	ND	10000	9700	ug/L	97	11	SW846 8260B
trans-1,3-Dichloropropene	ND	10000	8900	ug/L	89		SW846 8260B
	ND	10000	9500	ug/L	95	7.1	SW846 8260B
Ethylbenzene	ND	10000	7600	ug/L	76 a		SW846 8260B
	ND	10000	8200	ug/L	82 a	7.8	SW846 8260B
2-Hexanone	ND	10000	7800	ug/L	78 a		SW846 8260B
	ND	10000	7400	ug/L	74 a	4.7	SW846 8260B
Methylene chloride	500	10000	9100	ug/L	86		SW846 8260B
	500	10000	9600	ug/L	91	5.5	SW846 8260B
4-Methyl-2-pentanone	ND	10000	9100	ug/L	91		SW846 8260B
	ND	10000	9300	ug/L	93	2.5	SW846 8260B
Styrene	ND	10000	7800	ug/L	78 a		SW846 8260B
	ND	10000	8300	ug/L	83	5.6	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10000	10000	ug/L	104		SW846 8260B
	ND	10000	11000	ug/L	110	6.4	SW846 8260B
Tetrachloroethene	ND	10000	7800	ug/L	78 a		SW846 8260B
	ND	10000	8100	ug/L	81 a	4.3	SW846 8260B
Toluene	**ND**	**10000**	**9000**	**ug/L**	**90**		**SW846 8260B**
	ND	**10000**	**9600**	**ug/L**	**96**	**6.9**	**SW846 8260B**
1,1,1-Trichloroethane	ND	10000	8700	ug/L	87		SW846 8260B
	ND	10000	9400	ug/L	94	7.8	SW846 8260B
1,1,2-Trichloroethane	ND	10000	9200	ug/L	92		SW846 8260B
	ND	10000	9600	ug/L	96	4.2	SW846 8260B
Trichloroethene	**13000**	**10000**	**21000**	**ug/L**	**80**		**SW846 8260B**
	13000	**10000**	**21000**	**ug/L**	**77**	**1.7**	**SW846 8260B**
Vinyl chloride	890	10000	8000	ug/L	72 a		SW846 8260B
	890	10000	8700	ug/L	78 a	7.7	SW846 8260B
Xylenes (total)	ND	30000	23000	ug/L	77 a		SW846 8260B
	ND	30000	25000	ug/L	82 a	6.4	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(73 - 122)
	99	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
	100	(61 - 128)
Toluene-d8	99	(76 - 110)
	97	(76 - 110)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4H180231 **Work Order #...:** GNEJP1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4H180231-005 GNEJP1AD-MSD

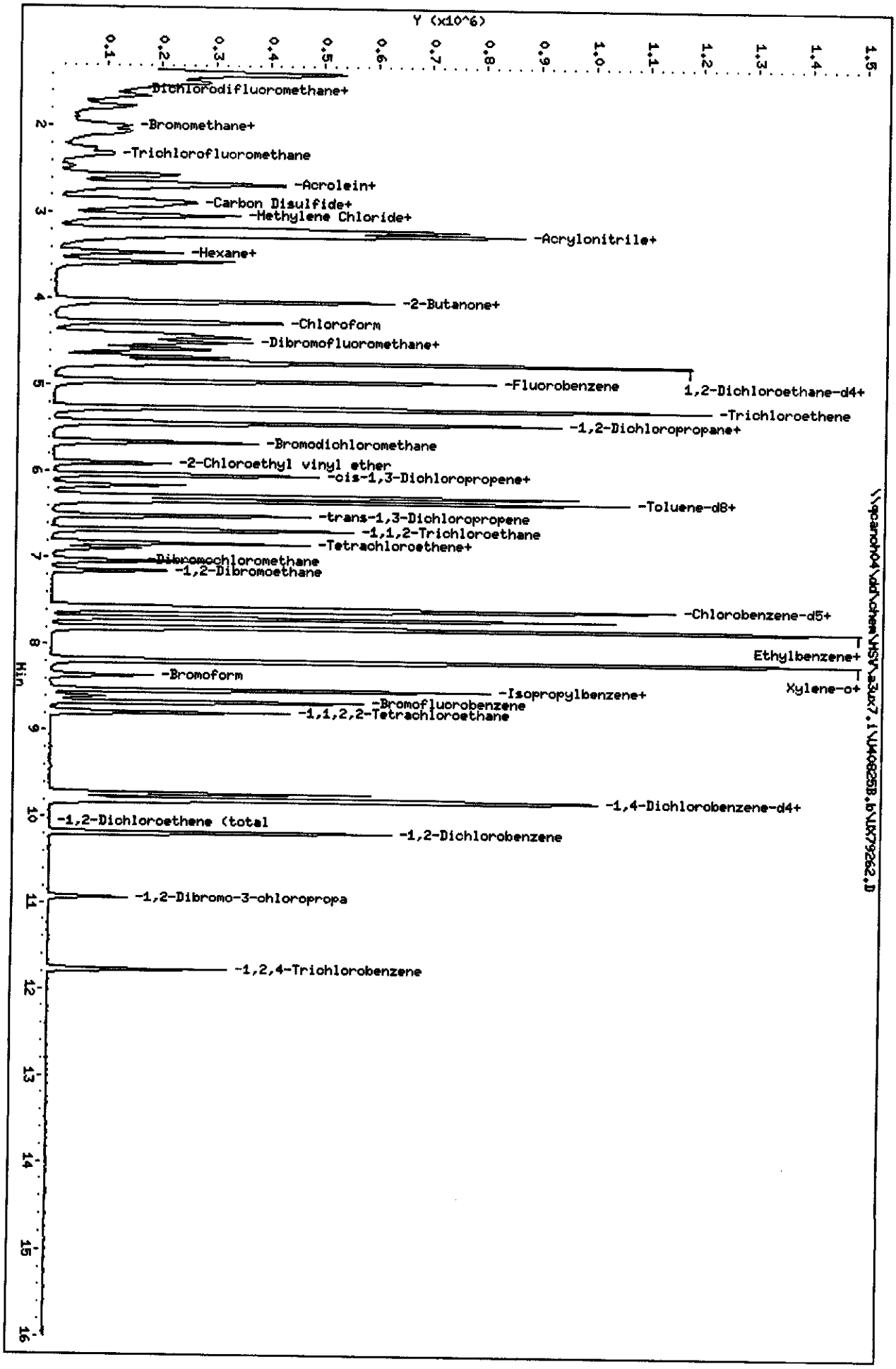
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	95	(74 - 116)
	96	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40825B.b\UX79262.D
Date : 26-AUG-2004 05:19
Client ID:
Sample Info: CNEJPHS,0.005ML/5ML
Purge Volume: 0.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Fluorobenzene
1,2-Dichloroethane-d4+
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene+
-Toluene-d8+
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene+
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
Ethylbenzene+
-Bromoform
Xylene-o+
-Isopropylbenzene+
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4+
-1,2-Dichloroethene (total
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79262.D
Report Date: 26-Aug-2004 11:53

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79262.D
Lab Smp Id: GNEJP1AC
Inj Date : 26-AUG-2004 05:19
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNEJPMS,0.005ML/5ML
Misc Info : U40825B,N8260UX7-3,1-8260.SUB,1754,3,,MS
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m
Meth Date : 26-Aug-2004 11:28 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 51 QC Sample: MS
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	0.005	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)	828421	50.0000	
* 2 Chlorobenzene-d5	117	7.578	7.567	(1.000)	572301	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	233132	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.395	(0.888)	179978	48.8067	9761.3
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	260432	47.1752	9435.0
$ 6 Toluene-d8	98	6.277	6.277	(0.828)	728303	49.3723	9874.4
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.144)	222530	47.3106	9462.1
8 Dichlorodifluoromethane	85	1.579	1.579	(0.319)	125847	28.6859	5737.2
9 Chloromethane	50	1.662	1.650	(0.336)	272041	38.3191	7663.8
10 Vinyl Chloride	62	1.769	1.768	(0.357)	275413	40.2379	8047.6
11 Bromomethane	94	2.005	2.005	(0.405)	170250	34.5937	6918.7
12 Chloroethane	64	2.064	2.076	(0.417)	193607	37.9649	7593.0
13 Trichlorofluoromethane	101	2.325	2.313	(0.470)	284027	41.6864	8337.3
15 Acrolein	56	2.561	2.561	(0.517)	373991	466.490	93298
16 Acetone	43	2.680	2.668	(0.541)	76298	27.7030	5540.6
17 1,1-Dichloroethene	96	2.668	2.668	(0.539)	183670	45.2203	9044.0
18 Freon-113	151	2.715	2.691	(0.548)	107960	43.5413	8708.3
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79262.D
Report Date: 26-Aug-2004 11:53

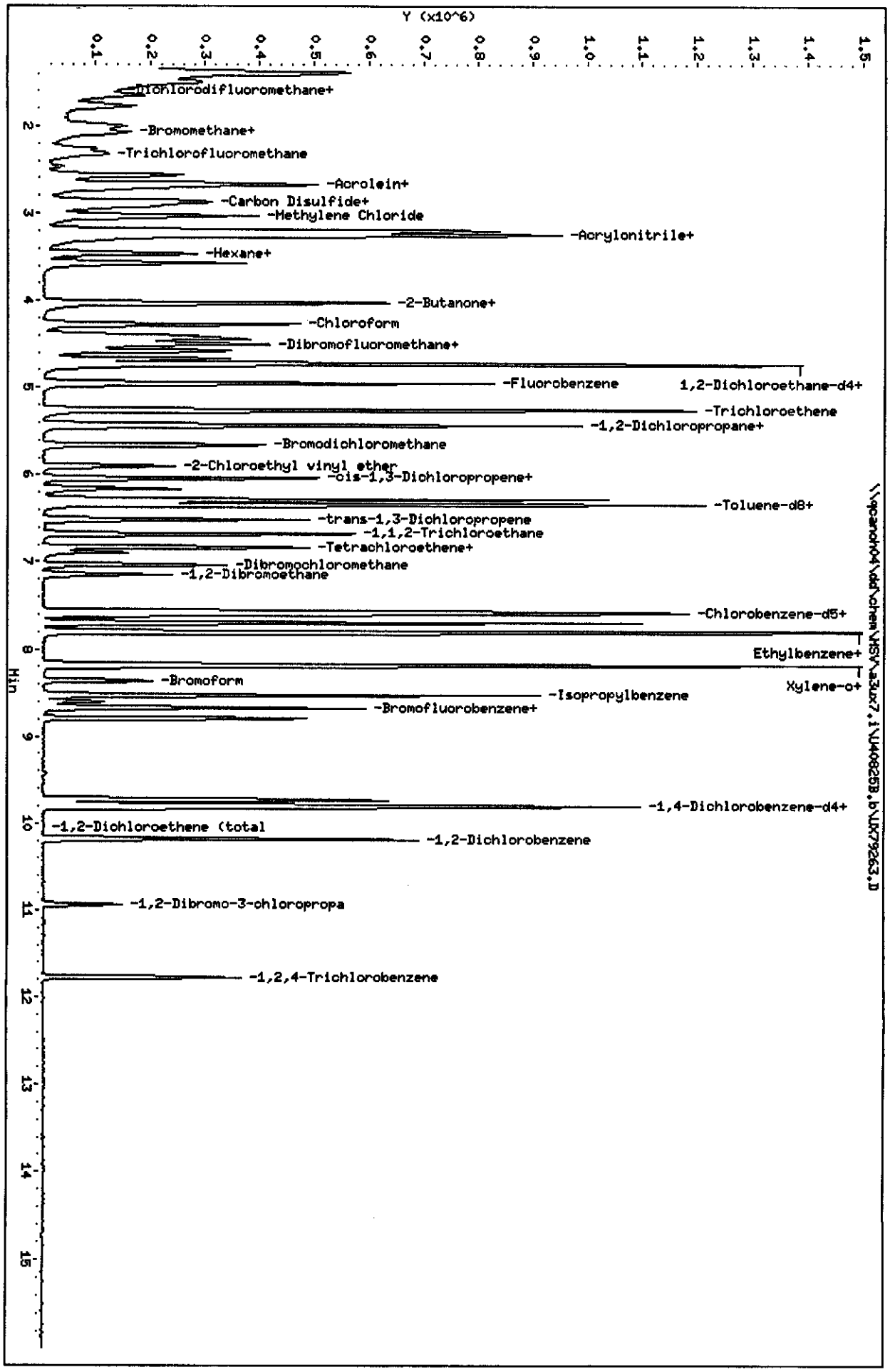
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.869	2.857	(0.579)	668727	41.0258	8205.2
	21 Methylene Chloride	84	3.035	3.035	(0.613)	248865	45.4559	9091.2
	22 Acetonitrile	41	2.893	2.893	(0.584)	261623	471.928	94386
	23 Acrylonitrile	53	3.200	3.200	(0.646)	930335	507.450	101490
	24 Methyl tert-butyl ether	73	3.248	3.248	(0.656)	532482	49.0880	9817.6
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	219659	46.7075	9341.5
	26 Hexane	86	3.461	3.461	(0.699)	23753	30.9496	6189.9
	27 Vinyl acetate	43	3.461	3.591	(0.699)	87115	12.4418	2488.4
	28 1,1-Dichloroethane	63	3.567	3.567	(0.720)	392996	46.0761	9215.2
	29 tert-Butyl Alcohol	59	3.106	3.094	(0.627)	933	36.4433	7288.7
	30 2-Butanone	43	4.017	4.017	(0.811)	94118	37.2832	7456.6
M	31 1,2-Dichloroethene (total)	96				527933	113.342	22668
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	308274	66.6344	13327
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.277	4.265	(0.864)	381350	46.4413	9288.2
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	286688	43.5786	8715.7
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	214556	42.1839	8436.8
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	365661	51.5790	10316
	41 Benzene	78	4.739	4.727	(0.957)	909585	46.2202	9244.0
	42 Trichloroethene	130	5.259	5.259	(1.062)	427994	106.814	21363(R)
	43 1,2-Dichloropropane	63	5.437	5.437	(1.098)	224162	46.4836	9296.7
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.662	5.661	(1.143)	278014	46.9565	9391.3
	47 2-Chloroethyl vinyl ether	63	5.898	5.898	(1.191)	99099	39.6138	7922.8
	48 cis-1,3-Dichloropropene	75	6.040	6.040	(1.220)	292910	43.4341	8686.8
	49 4-Methyl-2-pentanone	43	6.159	6.158	(1.244)	181384	45.3124	9062.5
	50 Toluene	91	6.336	6.336	(0.836)	861456	44.8295	8965.9
	51 trans-1,3-Dichloropropene	75	6.514	6.513	(0.859)	268066	44.3290	8865.8
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.679	6.679	(0.881)	189698	46.1404	9228.1
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.833	6.833	(0.902)	102697	38.8486	7769.7
	56 2-Hexanone	43	6.892	6.892	(0.909)	122679	38.9204	7784.1
	57 Dibromochloromethane	129	7.034	7.034	(0.928)	169039	50.4278	10086
	58 1,2-Dibromoethane	107	7.152	7.141	(0.944)	174516	48.1651	9633.0
	59 Chlorobenzene	112	7.602	7.602	(1.003)	498877	43.1527	8630.5
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.697	7.697	(1.016)	232044	37.9339	7586.8
	62 m + p-Xylene	106	7.803	7.803	(1.030)	600723	76.5220	15304
M	63 Xylenes (total)	106				896437	115.530	23106
	64 Xylene-o	106	8.182	8.182	(1.080)	295714	39.0082	7801.6
	65 Styrene	104	8.182	8.182	(1.080)	532327	39.1110	7822.2
	66 Bromoform	173	8.359	8.359	(1.103)	88674	53.1811	10636

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79262.D
Report Date: 26-Aug-2004 11:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.525	8.525	(1.125)	564848	37.8288	7565.8
68 1,1,2,2-Tetrachloroethane	83	8.797	8.785	(0.898)	256354	51.8278	10366
69 1,4-Dichloro-2-butene	53	8.596	8.844	(0.878)	3500	2.18666	437.33
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)	254655	39.7208	7944.2
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	287531	41.8902	8378.0
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	269954	41.6287	8325.7
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	34869	53.5098	10702
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	94700	34.7092	6941.8
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)	218376	31.8933	6378.6
143 Methyl Acetate	43	2.940	2.928	(0.594)	161500	50.4570	10091
144 Methylcyclohexane	83	5.437	5.437	(1.098)	159377	30.1390	6027.8
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.


Data File: \\qcanon04\dd\chem\HSV\a3ux7.i\U40625B.b\UX79263.D
Date : 26-AUG-2004 05:43
Client ID:
Sample Info: GNEJPHSD,0.005mL/5mL
Purge Volume: 0.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Carbon Disulfide+
-Methylene Chloride
-Acrylonitrile+
-Hexane+
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Fluorobenzene
1,2-Dichloroethane-d4+
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene+
-Toluene-d8+
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene+
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
Ethylbenzene+
-Bromoform
Xylene-o+
-Isopropylbenzene
-Bromofluorobenzene+
-1,4-Dichlorobenzene-d4+
-1,2-Dichloroethene (total
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanon04\dd\chem\HSV\a3ux7.i\U40625B.b\UX79263.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79263.D
Report Date: 26-Aug-2004 11:54

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79263.D
Lab Smp Id: GNEJP1AD
Inj Date : 26-AUG-2004 05:43
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNEJPMSD,0.005ML/5ML
Misc Info : U40825B,N8260UX7-3,1-8260.SUB,1754,3,,MSD
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\N8260UX7-3.m
Meth Date : 26-Aug-2004 11:28 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 52 QC Sample: MSD
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	0.005	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)	836657	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.567	(1.000)	594142	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.793	9.791	(1.000)	234095	50.0000	
$ 4 Dibromofluoromethane	113	4.398	4.395	(0.888)	185230	49.7365	9947.3
$ 5 1,2-Dichloroethane-d4	65	4.670	4.668	(0.943)	278538	49.9583	9991.7
$ 6 Toluene-d8	98	6.279	6.277	(0.830)	744701	48.6281	9725.6
$ 7 Bromofluorobenzene	95	8.669	8.667	(1.145)	234648	48.0531	9610.6
8 Dichlorodifluoromethane	85	1.593	1.579	(0.322)	145333	32.8015	6560.3
9 Chloromethane	50	1.652	1.650	(0.334)	279017	38.9245	7784.9
10 Vinyl Chloride	62	1.771	1.768	(0.358)	300428	43.4628	8692.6
11 Bromomethane	94	2.007	2.005	(0.405)	184058	36.7587	7351.7
12 Chloroethane	64	2.066	2.076	(0.417)	208324	40.3024	8060.5
13 Trichlorofluoromethane	101	2.315	2.313	(0.467)	313972	45.6277	9125.5
15 Acrolein	56	2.563	2.561	(0.518)	391671	483.733	96747
16 Acetone	43	2.682	2.668	(0.541)	86450	31.8676	6373.5
17 1,1-Dichloroethene	96	2.670	2.668	(0.539)	203424	49.5908	9918.2
18 Freon-113	151	2.694	2.691	(0.544)	122876	49.0693	9813.8
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79263.D
Report Date: 26-Aug-2004 11:54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.859	2.857	(0.577)	738211	44.8428	8968.6
	21 Methylene Chloride	84	3.037	3.035	(0.613)	264425	48.0294	9605.9
	22 Acetonitrile	41	2.895	2.893	(0.584)	313821	560.513	112100
	23 Acrylonitrile	53	3.202	3.200	(0.647)	990404	534.897	106980
	24 Methyl tert-butyl ether	73	3.250	3.248	(0.656)	577601	52.7233	10545
	25 trans-1,2-Dichloroethene	96	3.250	3.248	(0.656)	243715	51.3126	10262
	26 Hexane	86	3.463	3.461	(0.699)	29374	37.0452	7409.0
	27 Vinyl acetate	43	3.463	3.591	(0.699)	104964	14.4554	2891.1
	28 1,1-Dichloroethane	63	3.569	3.567	(0.721)	434559	50.4475	10090
	29 tert-Butyl Alcohol	59	3.250	3.094	(0.656)	14364	79.7597	15952
	30 2-Butanone	43	4.019	4.017	(0.811)	92717	36.3667	7273.3
M	31 1,2-Dichloroethene (total)	96				581522	123.612	24722
	32 cis-1,2-dichloroethene	96	4.031	4.029	(0.814)	337807	72.2993	14460
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.267	4.265	(0.861)	415977	50.1595	10032
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.445	4.443	(0.897)	313068	47.1201	9424.0
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.575	4.585	(0.924)	241036	46.9237	9384.7
	40 1,2-Dichloroethane	62	4.729	4.727	(0.955)	395882	55.2922	11058
	41 Benzene	78	4.729	4.727	(0.955)	1008857	50.7600	10152
	42 Trichloroethene	130	5.261	5.259	(1.062)	424819	104.978	20996(R)
	43 1,2-Dichloropropane	63	5.439	5.437	(1.098)	249978	51.3267	10265
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.652	5.661	(1.141)	311689	52.1260	10425
	47 2-Chloroethyl vinyl ether	63	5.900	5.898	(1.191)	107587	42.1129	8422.6
	48 cis-1,3-Dichloropropene	75	6.042	6.040	(1.220)	329997	48.4518	9690.4
	49 4-Methyl-2-pentanone	43	6.161	6.158	(1.244)	188645	46.4823	9296.4
	50 Toluene	91	6.338	6.336	(0.837)	958371	48.0395	9607.9
	51 trans-1,3-Dichloropropene	75	6.516	6.513	(0.861)	298790	47.5934	9518.7
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.669	6.679	(0.881)	205343	48.1097	9621.9
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.835	6.833	(0.903)	111276	40.5465	8109.3
	56 2-Hexanone	43	6.894	6.892	(0.911)	120251	37.1201	7424.0
	57 Dibromochloromethane	129	7.036	7.034	(0.930)	189472	54.4455	10889
	58 1,2-Dibromoethane	107	7.143	7.141	(0.944)	186421	49.5594	9911.9
	59 Chlorobenzene	112	7.604	7.602	(1.005)	549689	45.8000	9160.0
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.699	7.697	(1.017)	262215	41.0005	8200.1
	62 m + p-Xylene	106	7.805	7.803	(1.031)	676656	82.5626	16512
M	63 Xylenes (total)	106				997508	123.195	24639
	64 Xylene-o	106	8.172	8.182	(1.080)	320852	40.6322	8126.4
	65 Styrene	104	8.184	8.182	(1.081)	587277	41.3450	8269.0
	66 Bromoform	173	8.362	8.359	(1.105)	100685	57.6013	11520

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40825B.b\UX79263.D
Report Date: 26-Aug-2004 11:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.527	8.525	(1.127)	629997	40.3489	8069.8
68 1,1,2,2-Tetrachloroethane	83	8.788	8.785	(0.897)	274326	55.2331	11047
69 1,4-Dichloro-2-butene	53	8.610	8.844	(0.879)	3523	2.19198	438.40
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	9.732	(0.994)	287493	44.6583	8931.7
81 1,4-Dichlorobenzene	146	9.817	9.815	(1.002)	323553	46.9443	9388.8
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.184	10.182	(1.040)	304156	46.7100	9342.0
84 1,2-Dibromo-3-chloropropane	157	10.941	10.939	(1.117)	38550	58.9153	11783
85 1,2,4-Trichlorobenzene	180	11.781	11.779	(1.203)	111744	40.7877	8157.5
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.504	4.502	(0.909)	256418	36.5062	7301.2
143 Methyl Acetate	43	2.930	2.928	(0.592)	172865	53.4761	10695
144 Methylcyclohexane	83	5.439	5.437	(1.098)	196775	35.9724	7194.5
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

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 # V2074 SS # V2061		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
			UFO 327		Direct Inject	08:54	OK
1	50ng Col 8260		UX7 4053	50ng	V2063, 4053 V2067, 4053	0 Col Passed	OK
2	10		54	10ng			OK
3	25		55	25ng			OK
4	50		56	50ng			OK
5	100		57	100ng			OK
6	200		58	200ng			OK
7	50ng 10V		59	50ng	V2070	2nd Bounce OK check for Purge list	OK
8	5ng 99		UX7 4060	5 ng	V2076		OK
9	10ng		61	10 ng			OK
10	25ng		62	25 ng			OK
11	50ng		63	50 ng			OK
12	100ng		64	100 ng			OK
13	200ng		65	200 ng			OK

Analyst: CMR
Level 2 review: [illegible]

CMR 7-15-04

UX7
Batch # H23UGH

STL-North Canton
GC/MS VOA Run Log

8/20

Date: 5-21-04

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 # V2143 SS # V2154		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB 060	50ng	Direct Inject	0:7:56	OK
1	8260Cal		UX7 906	5 Ng	V2143		OK
2			39	10 ng			OK
3			40	25 ng			OK
4			41	50 ng			OK
5			42	100 ng			OK
6			43	200ng			OK
7	ICV		44	50ng	V2154	CMR 5-23-04 ICV passed	OK
8	A9Cal		45	50ng	V2152 2141	UH0715	OK
9	LCS		46		V2145	Gm32-1AC	OK
10	Val Blank		47	5ml		-1AA	OK
11	LCSD		48	50ng	V2145	-1AD	OK
12	GM1BX-1AA		49	0.25ml			OK
13	GM1B9-1AA		50	0.145ml			OK
14	GM1CB-1AA		51	0.1ml			OK
15	GM1CC-1AA		52	0.25ml			OK
16	GM1CC-1AA		53	5ml		Gum ↑	-
17	GM1MH-1AA		54			TIC	OK
18	GM1MB-1AA		55	4ml			OK
19	GM1MC-1AA		56	2.5ml			OK
20	GM1M9-1AA		57	1.25ml			OK
21	GM1NA-1AA		58				OK
22	GM1NC-1AA		59	1.5ml			OK
23	GM1TC-1AA		60	0.0025ml		BB 5ml	-
24	m9		61				-
25	m9D		62				-
26	GM1TM-1AA		63	0.25ml			OK
27	GM1TP-1AA		64	0.01ml			OK
28	GMHHC-1AA		65	0.35ml			OK
29	GMHQH-1AA		66	5ml			OK
30	GMHKD-1AA		67	0.625ml		19:30	OK

Analyst: CMR
Level 2 review: SAM

CMR 5-23-04

UX7 190201
Batch # H239IH1

STL-North Canton
GC/MS VOA Run Log

4/27

Date: 6-25-04 (B)

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V2163 SS # V2206		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB387	–	Direct Inject	21:13	OK
1	RQ Cal		UX7 92H2	50ng	V2181 V2209	UH0715	OK
2	Vol Cal		H3		V2196 V2214-15	UH0921	OK
3	LC2		HH		V219H	GOXHR-IAC	OK
4	LCSD		H5			IAD	OK
5	Vol Blank		H6	5ml		IAA	OK
6			H7				OK
7	GMHKH-IAA	M	H8	0.5ml			OK
8	GND5R-IAA	CD	H9	5ml			OK
9	GND5N-IAA		50				OK
10	GND5R-IAA		51				OK
11	GND5V-IAA		52				OK
12	GND5Z-IAA		53				OK
13	GND5H-IAA		5H	1ml		TIC	OK
14	GND5L-IAA		55			TIC	OK
15	GND57-IAA		56	1.5ml			OK
16	GND59-IAA		57	5ml			OK
17	GNDLC-IAA		58				OK
18	GNDLG-IAA		59				OK
19	GNDLM-IAA		60				OK
20	GNCGP-IAA	CD	61	0.005ml			OK
21	MQ	IAC	62	+ 50ng	V219H		OK
22	MQD	IAD	63				OK
NR 23	~~GNCGY-IAA~~		~~64~~	5ml		RR 2.5mls CMR 7-7-04	~~OK~~
24	GNCG9-IAA		65				OK
25	GNCKA-IAA		66				OK
26	GNCKD-IAA		67				OK
27	GNCKM-IAA		68				OK
28	GNCKN-IAA		UX7 9269				OK

GW1

Analyst: CMR
Level 2 review: YM

CMR 8-26-04

UX7 190 331
Batch # H2H 2253

STL-North Canton
GC/MS VOA Run Log

9/1

Date: 5-27-04
(D)

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 # V2221 SS # V2222		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB390	50ng	Direct Inject	19:43	OK
1	19Vol		UX79332		V2181 V2205	UH0713	OK
2	Vol Col		33		V2196 V2214-15	UH0921	OK
3	LCS		34		V2194	GN7MP-1AC	OK
4	LCSD		35			1AD	OK
5	Vol Blank		36	5ml		1AA	OK
6	GNFFK-1AA		37	0.1ml			OK
7	GNC93-1AK	CD	38	0.25ml			OK
8	GNC98-1AA		39	25ml			OK
9	GNC8T-1AK		40	0.00ml ×10		RR UX1100	-
10	GNC8D-1AK	mCD	41	5ml			OK
11	GNC90-1AK		42				OK
12	GNB5C-1AA	CD	43	5ml			OK
13	GNB5G-1AA		44				OK
14	GNB5H-1AA		45				OK
15	GNB5L-1AA		46				OK
16	GNB5N-1AA		47	0.75ml			OK
17	~~GNB5P-1AA~~		~~48~~	~~0.2ml~~			OK
18	1AC MD		49	1+50ng	V2194		OK
19	1AD MSD		50				OK
20	GNB50-1AA		51	2.5ml		RR 5ml	—
21	GNB5R-1AA	CD	52	0.175ml			OK
22	GNB5T-1AA		53	5ml			OK
23	GNB5V-1AA		54				OK
24	GNB5W-1AA		55	0.2ml			OK
25	GNB5X-1AA		56	5ml			OK
26	GNB9H-1AA		57				OK
27	GNBAP-1AA		58	0.012ml			OK 0722

Analyst: CNR
Level 2 review: SMH

CNR 5-30-04

UX11
Batch # _____

STL-North Canton
GC/MS VOA Run Log

Date: 8/16/04

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 # V2149 SS # —		Heated purge: Yes No

Auto num.	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep.	Comments	Sample status
	BFB		BFB 209	50ng	dilmyl	(13:09)	on
	VOI STD		MXT03202	200ng	V2154, 56	57, 60	on
	VOI STD		03	100ng			on
	VOI STD		04	50ng			on
	VOI STD		05	25ng			on
	VOI STD		06	10ng			on
	VOI STD		07	5ng			on
	DCV		08	50ng	V2165		~~on~~ OK
	AG STD		09	200ng	V2150, 59		on
	AG STD		10	100ng			on
	AG STD		11	50ng			on
	AG STD		12	25ng			on
	AG STD		13	10ng			on
	AG STD		14	5ng			on

8/18/04 OK

8/17/04

Analyst: _____
Level 2 review: _____

UX11
Batch # V23709Y

STL-North Canton
GC/MS VOA Run Log

(8/25)

Date: 8/23/04

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	IS # V2188 SS # V2182	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		BFB 241	5ml	direct	(15:50)	OK
	VOLSTD		UETJ33274	200ng	V2180, 92, 93, 76		OK
	VOLSTD		75	100ng			OK
	VOLSTD		76	50ng		J40823	OK
	VOLSTD		77	25ng			OK
	VOLSTD		78	10ng			OK
	VOLSTD		79	5ng			OK
	DCL		80	5ml	V2194		OK
	Check	GN0V6	81				OK
	Check		82				OK
	Blank		83	5ml			OK
	GM3V1AF		84				OK
	GM3UC1AF		85				OK
	GM3WF1AA		86				OK
	GM3WH1AA		87				OK
	GM3WL1AA		88				OK
	GM3WQ1AF		89				OK
	GM3WV1AA		90			Bozman!	OK
	GM3WW1AA		91				OK
	GM3W11AA		92			SS ↓ X2	OK
	GM3W2AF		93				OK
	GM6Q01AA		94				OK
	GM6Q31AA		95				OK
	GM6Q4AA		96				OK
	GM6Q51AA		97				OK
	GM6Q71AA		98				OK
	GM6Q61AA		99	.025 ml/5ml			OK
	GM6Q61AF (S)		100		+50ng		OK
	GM6Q61AF (D)		01		+50ng		OK
	GM6P11AA		02	5ml			OK
	GM6QK1AC		03				OK

8/24 OK

Analyst:
Level 2 review: SA

UX11
Batch # 423931

STL-North Canton
GC/MS VOA Run Log

(8/26)

Date: 07/25/04

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 @ 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 # V2188 SS # V2182	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		BFB214	50mg	discarded	7:54	OK
1	10L STD		UXJ2336		V2196, 92	93 (R) VCA	—
2	Air STD		62		V2205	J40816	OK
3	10L STD		63			J40823	OK
4	Check	GNT	3X 64		V2194		OK
5	Check Dup		65				OK
6	Blank		66	5ml			OK
7	GNLNJ1AA		67	5ml		not needed	OK 8/25/04
8	GNCA91AA		68	0.125ml/5ml		(Conf.) SSA	OK
9	GNCD91AA		69	0.0025ml/5ml			OK
10	GNEU61AA		70	0.5ml/5ml			OK
11	GNEU41AA		71	0.45ml/5ml			OK
12	GNEU91AA		72				OK
13	GNEW61AA		73	5ml			OK
14	GNGA91AA		74	0.125ml/5ml		(Conf) SSA	—
15	GNRP91AA		75	0.25ml/5ml			OK
16	GNRF1AA		76	2.5ml/5ml			OK
17	GNRP21AA		77	5ml			OK
18	GNRC1AA		78				OK
19	GNRH1AA		79				OK
20	GN464AA	EO tzs	80				OK
21	GN457AA		81				OK
22	GNEH1AA		82				OK
23	GNEH1AC	(Y	83		+5ml		OK
24	GNEH1AD	(D)	84		5g		OK
25	GNEK1AC		85				OK
26	GNEK9AS		86				OK
27	GNEL1AD		87				OK
28	GNEL21AA		88				OK
29	GNEJ21AA	EO	89				OK
30	GNEJ51AA		90				OK

8/26/04

Analyst:
Level 2 review: SAN

UX11
Batch # 423 9134

STL-North Canton
GC/MS VOA Run Log

(8731)

Date: 01/05/04

B

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 # V2188 SS # V2182	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		BFB215	50ng	dir inject	19:54	ok
	WI STD		UXJ2339/			(P) V.C↑	—
	AC STD		92		V2205	J40816	ok
	Check	GNA4A	93				ok
	WI STD		94		V2196,92,93	J40823	ok
	Check Dup		95		V2194		ok
	blank		96	5ml			ok
	GNA20IAA		97				ok
	GNA22IAA		98				ok
	GNA24IAA		99				ok
	GNA26IAA		100				ok
	GNA30IAA		01				ok
	GNA34IAA		02				ok
	GNA36IAA		03				ok
	GNA37IAA		04				ok
	GNA5JIAA	ED	05				ok
	GNA5JIAA(S)		06		+50ng		ok
	GNA5JIAA(D)		07				ok
	GNA5DIAA		08				ok
	GNEH0IAA	ED	09				ok
	GNEJJIAA		10				ok
	GNEJKIAA		11				ok
	GNEJNIAA		12				ok
	GNEJQIAA		13				ok
	GNEJRIAA		14				ok
	GNEJVIAA		15				ok
	GNEJWIAA		16				ok
	GNEJXIAA		17				ok
	GNEJOIAA		18				ok

8/24/04

Analyst: [signature]
Level 2 review: [signature]

PSL205 Severn Trent Laboratories, Inc System Date: 8/18/04 13:06:53
Page 1 Local Date: 8/18/04 15:06:53

MSVOC Lot Summary - A4H180231

CLIENT: 5670 PAYNE FIRM INC. SDG: 4H18231 37/38 Date Received: 8/18/04
PROJECT MANAGER: Roger K. Toth Date Analysis Due: 9/07/04 N
SITE: EMD RCRA VA, OHIO Date Report Due: 9/13/04
LOT COMMENTS: Turnaround Time: 20
QC PACKAGE: Expanded Deliverables

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
001-	GNEHD-1AA	XX I 25 QK 01 MS8260LL		8/17/04 8:45	8/31/04	Y	MW015B/081704 Q: CLP MSVOA TCL Standard List EXP DEL.SDG #4H18231(CLSD) AP9 Compounds
002-	GNEJJ-1AA	XX I 25 QK 01 MS8260LL		8/17/04 9:43	8/31/04	Y	MW018/081704 Q: CLP MSVOA TCL Standard List EXP DEL.SDG #4H18231(CLSD) AP9 Compounds
003-	GNEJM-1AA	XX I 25 QK 01 MS8260LL		8/17/04 9:50	8/31/04	Y	MW023/081704 Q: CLP MSVOA TCL Standard List EXP DEL.SDG #4H18231(CLSD) AP9 Compounds
004-	GNEJN-1AA	XX I 25 QK 01 MS8260LL		8/17/04 11:28	8/31/04	Y	MW026A/081704 Q: CLP MSVOA TCL Standard List EXP DEL.SDG #4H18231(CLSD) AP9 Compounds
005-	GNEJP-1AA	XX I 25 QK 01 MS8260LL		8/17/04 13:28	8/31/04	Y	MW027/081704 Q: CLP MSVOA TCL Standard List EXP DEL.SDG #4H18231(CLSD) AP9 Compounds
006-	GNEJQ-1AA	XX I 25 QK 01 MS8260LL		8/17/04 14:15	8/31/04	Y	MW024/081704 Q: CLP MSVOA TCL Standard List EXP DEL.SDG #4H18231(CLSD) AP9 Compounds
007-	GNEJR-1AA	XX I 25 QK 01 MS8260LL		8/17/04 8:20	8/31/04	Y	MW506/081704 Q: CLP MSVOA TCL Standard List EXP DEL.SDG #4H18231(CLSD) AP9 Compounds
008-	GNEJV-1AA	XX I 25 QK 01 MS8260LL		8/17/04 9:40	8/31/04	Y	MW507/081704 Q: CLP MSVOA TCL Standard List EXP DEL.SDG #4H18231(CLSD) AP9 Compounds
009-	GNEJW-1AA	XX I 25 QK 01 MS8260LL		8/17/04 9:25	8/31/04	Y	MW507B/081704 Q: CLP MSVOA TCL Standard List EXP DEL.SDG #4H18231(CLSD) AP9 Compounds
010-	GNEJX-1AA	XX I 25 QK 01 MS8260LL		8/17/04 10:29	8/31/04	Y	MW509A/081704 Q: CLP MSVOA TCL Standard List EXP DEL.SDG #4H18231(CLSD) AP9 Compounds
011-	GNEJ0-1AA	XX I 25 QK 01 MS8260LL		8/17/04 10:31	8/31/04	Y	MW509B/081704 Q: CLP MSVOA TCL Standard List EXP DEL.SDG #4H18231(CLSD) AP9 Compounds
012-	GNEJ2-1AA	XX I 25 QK 01 MS8260LL		8/17/04 13:14	8/31/04	Y	MW508/081704 Q: CLP MSVOA TCL Standard List

3

PH=1

37/38

MSVOC Lot Summary - A4H180231

LIENT: 5670 PAYNE FIRM INC. SDG: 4H18231 (38) Date Received: 8/18/04
ROJECT MANAGER: Roger K. Toth Date Analysis Due: 9/07/04 N
ITE: EMD RCRA VA, OHIO Date Report Due: 9/13/04
OT COMMENTS: Turnaround Time: 20
C PACKAGE: Expanded Deliverables

AMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
13-	GNEJ5-1AA	XX I 25 QK 01 MS8260LL		8/17/04 13:41	8/31/04	Y	MW508B/081704 Q: CLP MSVOA TCL Standard List EXP DEL.SDG #4H18231(CLSD) AP9 Compounds
14-	GNEJ8-1AA	XX I 25 QK 01 MS8260LL		8/17/04 14:30	8/31/04	Y	MW510A/081704 Q: CLP MSVOA TCL Standard List EXP DEL.SDG #4H18231(CLSD) AP9 Compounds
15-	GNEJ9-1AA	XX I 25 QK 01 MS8260LL		8/17/04 14:46	8/31/04	Y	MW510B/081704 Q: CLP MSVOA TCL Standard List EXP DEL.SDG #4H18231(CLSD) AP9 Compounds
16-	GNEKA-1AA	XX I 25 QK 01 MS8260LL		8/17/04 10:55	8/31/04	Y	FB01/081704 Q: CLP MSVOA TCL Standard List EXP DEL.SDG #4H18231(CLSD) AP9 Compounds
17-	GNEKD-1AA	XX I 25 QK 01 MS8260LL		8/17/04	8/31/04	Y	TB02/081704 Q: CLP MSVOA TCL Standard List EXP DEL.SDG #4H18231(CLSD) AP9 Compounds
18-	GNEKM-1AA	XX I 25 QK 01 MS8260LL		8/17/04 14:00	8/31/04	Y	INPUT/081704 Q: CLP MSVOA TCL Standard List EXP DEL.SDG #4H18231(CLSD) AP9 Compounds
19-	GNEKN-1AA	XX I 25 QK 01 MS8260LL		8/17/04 15:10	8/31/04	Y	OUTPUT/081704 Q: CLP MSVOA TCL Standard List EXP DEL.SDG #4H18231(CLSD) AP9 Compounds

3

2

3

PH=1

09/14/04 09:37:14 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A4H180231	1	GNEHD1AA	MS8260LL	8/26/04	Laura Evans
A4H180231	2	GNEJJ1AA	MS8260LL	8/26/04	Laura Evans
A4H180231	3	GNEJM1AA	MS8260LL	8/26/04	Laura Evans
A4H180231	4	GNEJN1AA	MS8260LL	8/26/04	Laura Evans
A4H180231	5	GNEJP1AA	MS8260LL	8/26/04	Carolynne Roach
A4H180231	6	GNEJQ1AA	MS8260LL	8/26/04	Laura Evans
A4H180231	7	GNEJR1AA	MS8260LL	8/26/04	Laura Evans
A4H180231	8	GNEJV1AA	MS8260LL	8/26/04	Laura Evans
A4H180231	9	GNEJW1AA	MS8260LL	8/26/04	Laura Evans
A4H180231	10	GNEJX1AA	MS8260LL	8/26/04	Laura Evans
A4H180231	11	GNEJ01AA	MS8260LL	8/26/04	Laura Evans
A4H180231	12	GNEJ21AA	MS8260LL	8/25/04	Laura Evans
A4H180231	13	GNEJ51AA	MS8260LL	8/25/04	Laura Evans
A4H180231	14	GNEJ81AA	MS8260LL	8/27/04	Carolynne Roach
A4H180231	15	GNEJ91AA	MS8260LL	8/26/04	Carolynne Roach
A4H180231	16	GNEKA1AA	MS8260LL	8/26/04	Carolynne Roach
A4H180231	17	GNEKD1AA	MS8260LL	8/26/04	Carolynne Roach
A4H180231	18	GNEKM1AA	MS8260LL	8/26/04	Carolynne Roach
A4H180231	19	GNEKN1AA	MS8260LL	8/26/04	Carolynne Roach

*** END OF REPORT ***

SEVERN TRENT STL

END OF REPORT