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SEVERN TRENT STL

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ANALYTICAL REPORT

REVISED

PROJECT NO. 100.58.16

EMD CHEMICALS-OH

Lot #: A4F180339

Angela Hurley

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

SEVERN TRENT LABORATORIES, INC.

Roger K. Toth
Project Manager

August 6, 2004

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE

A4F180339

The following report contains the analytical results for five water samples submitted to STL North Canton by The Payne Firm, Inc. from the EMD Chemicals-OH Site, project number 100.58.16. The samples were received June 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 July 13, 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.

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

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 1.4°C.

GC/MS VOLATILES

The matrix spike/matrix spike duplicate(s) for batch(es) 4180139 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

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

QC BATCH

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

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

LABORATORY CONTROL SAMPLE

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

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

METHOD BLANK

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

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

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

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

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

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

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

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

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

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

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

SURROGATE COMPOUNDS

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

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

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

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

STL North Canton Certifications and Approvals:

Alabama (#41170), California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#100439), Kansas (#E10336), Massachusetts (#M-OH048), Maryland (#272), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Ohio (#6090), OhioVAP (#CL0024), Rhode Island (#237), South Carolina (#92007001, #92007002, #92007003), Tennessee (#02903), Utah (#QUAN9), Virginia (#00011), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)

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SEVERN TRENT STL

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A4F180339

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SEWER E/061704 06/17/04 10:05 002				
Iodomethane	0.24 J	1.0	ug/L	SW846 8260B
SEWER A/061704 06/17/04 10:35 003				
cis-1,2-Dichloroethene	0.96 J	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	0.96 J	2.0	ug/L	SW846 8260B
Vinyl chloride	0.43 J	1.0	ug/L	SW846 8260B
SEWER F/061704 06/17/04 10:45 004				
Chlorobenzene	0.37 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	0.28 J	1.0	ug/L	SW846 8260B
Vinyl chloride	0.45 J	1.0	ug/L	SW846 8260B
SEWER G/061704 06/17/04 10:50 005				
Chlorobenzene	0.27 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.0	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	1.0 J	2.0	ug/L	SW846 8260B
Vinyl chloride	0.72 J	1.0	ug/L	SW846 8260B

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METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A4F180339

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

References:

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

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SAMPLE SUMMARY

SAMPLE SUMMARY

A4F180339

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GJLTJ	001	DUCK CREEK 01/061604	06/16/04	11:37
GJLTP	002	SEWER E/061704	06/17/04	10:05
GJLTR	003	SEWER A/061704	06/17/04	10:35
GJLTV	004	SEWER F/061704	06/17/04	10:45
GJLTW	005	SEWER G/061704	06/17/04	10:50

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.

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SHIPPING AND RECEIVING DOCUMENTS

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: THE PAYNE FIRM	Project Manager: DAN WEED	Date: 6/17/04	Chain of Custody Number: 163649
Address: 11231 CORNELL PARK DR.	Telephone Number (Area Code)/Fax Number: ~~STL-CIN~~ 513-489-2255	Lab Number:	Page 1 of 1
City: CIN / State: OH / Zip Code: 45242	Site Contact: C. KUGLER	Lab Contact: R. TUTTLE	
Project Name and Location (State): EMD CHEMICALS - OH	Carrier/Waybill Number: STL-CIN		
Contract/Purchase Order/Quote No.: 100.58.16			

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
DUCK CREEK 01 /061604	6/16/04	1137		X							3				X	NOTE: SEWER
SEWER E /061704	6/17/04	1005		X							1				X	E ONLY HAS
SEWER A /061704	6/17/04	1035		X							3				X	ONE VIAL.
SEWER F /061704	6/17/04	1045		X							2				X	
SEWER G /061704	6/17/04	1050		X							2				X	- RESULTS TO
																DAN WEED

Check 6/17/04

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):

	Date	Time		Date	Time
1. Relinquished By	6/17/04	1525	1. Received By	6/17/04	1525
2. Relinquished By	6/17/04	1545	2. Received By	6-18-04	0935
3. Relinquished By			3. Received By		

Comments:

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

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STL North Canton

RSR280

Severn Trent Laboratories, Inc.
Sample Control Record

Client: 5670

Lot #: A4F180339

Case Number/SDG: 10.58.16

Storage Location: MS

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
GJLTJ	STILLERJ	6/18/04	Yes		Storage	
GJLTP	STILLERJ	6/18/04	Yes		Storage	
GJLTR	STILLERJ	6/18/04	Yes		Storage	
GJLTV	STILLERJ	6/18/04	Yes		Storage	
GJLTW	STILLERJ	6/18/04	Yes		Storage	

STL Cooler Receipt Form/Narrative **Lot Number:** A4F180339
North Canton Facility

Client: Payne Firm Project: EMD Quote#:
Cooler Received on: 6-18-04 Opened on: 6-18-04 by: (Signature)

Fedx ☑ Client Drop Off ☐ UPS ☐ DHL ☑ FAS ☐ Other:
STL Cooler No# 3101 Foam Box ☐ Client Cooler ☐ Other

1. Were custody seals on the outside of the cooler? Yes ☑ No ☐ Intact? Yes ☑ No ☐ NA ☐
   If YES, Quantity 1
   Were the custody seals signed and dated? Yes ☑ No ☐ NA ☐
2. Shipper's packing slip attached to this form? Yes ☑ No ☐ NA ☐
3. Did custody papers accompany the samples? Yes ☑ No ☐ Relinquished by client? Yes ☑ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☑ No ☐
5. Packing material used: Bubble Wrap ☑ Foam ☑ None ☐ Other :
6. Cooler temperature upon receipt 1.4 °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 #122603-HNO3; Sulfuric Acid Lot # 011-504-H2SO4; Sodium Hydroxide Lot # 111401-NaOH; Hydrochloric Acid Lot # 100902-HCl; Sodium Hydroxide and Zinc Acetate Lot # 112801-CH3COO2ZN/NaOH*
Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials

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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: 4F18339

Lot #: A4F180339

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	INTRA-LAB QC	97	108	96	81	00
02	DUCK CREEK 01/061604	96	106	97	84	00
03	SEWER E/061704	97	111	98	87	00
04	SEWER A/061704	100	110	95	84	00
05	SEWER F/061704	95	103	96	85	00
06	SEWER G/061704	95	104	95	87	00
07	METHOD BLK. GJ5FH1AA	97	105	96	84	00
08	LCS GJ5FH1AC	90	105	106	105	00
09	LAB MS/MSD D	91	108	106	103	00
10	LCSD GJ5FH1AD	89	104	105	107	00
11	LAB MS/MSD S	90	105	101	100	00

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

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

FORM II

SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4F18339

Lot #: A4F280000 WO #: GJ5FH1AC
BATCH: 4180139

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	9.6	96	48- 123	
Bromomethane	10	8.6	86	64- 129	
Vinyl chloride	10	8.4	84	61- 120	
Chloroethane	10	8.3	83	66- 126	
Methylene chloride	10	9.9	99	78- 118	
Acetone	10	6.2	62	22- 200	
Carbon disulfide	10	10	103	73- 139	
1,1-Dichloroethene	10	11	107	63- 130	
1,1-Dichloroethane	10	10	105	86- 123	
1,2-Dichloroethene (total	20	19	97	82- 116	
Chloroform	10	10	103	84- 128	
1,2-Dichloroethane	10	11	111	79- 136	
2-Butanone	10	7.4	74	28- 237	
1,1,1-Trichloroethane	10	10	101	78- 140	
Carbon tetrachloride	10	11	106	75- 149	
Bromodichloromethane	10	10	104	87- 130	
1,2-Dichloropropane	10	11	106	82- 115	
cis-1,3-Dichloropropene	10	10	100	84- 130	
Trichloroethene	10	9.4	94	75- 122	
Dibromochloromethane	10	11	110	81- 138	
1,1,2-Trichloroethane	10	11	111	83- 122	
Benzene	10	9.9	99	80- 116	
trans-1,3-Dichloropropene	10	12	120	84- 130	
Bromoform	10	9.5	95	76- 150	
4-Methyl-2-pentanone	10	10	101	78- 141	
2-Hexanone	10	9.3	93	35- 200	
Tetrachloroethene	10	9.0	90	88- 113	
1,1,2,2-Tetrachloroethane	10	14	144*	85- 118	a
Toluene	10	12	116	74- 119	
Chlorobenzene	10	11	109	76- 117	
Ethylbenzene	10	11	114	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: 4F18339

Lot #: A4F280000 WO #: GJ5FH1AC
BATCH: 4180139

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	12	117	85- 117	
Xylenes (total)	30	35	118*	87- 116	a
cis-1,2-Dichloroethene	10	9.5	95	85- 113	
trans-1,2-Dichloroethene	10	9.8	98	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 DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4F18339

Lot #: A4F280000 WO #: GJ5FH1AD
BATCH: 4180139

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	9.8	98	48- 123	
Bromomethane	10	8.6	86	64- 129	
Vinyl chloride	10	8.5	85	61- 120	
Chloroethane	10	8.4	84	66- 126	
Methylene chloride	10	10	101	78- 118	
Acetone	10	6.3	63	22- 200	
Carbon disulfide	10	10	103	73- 139	
1,1-Dichloroethene	10	11	105	63- 130	
1,1-Dichloroethane	10	11	106	86- 123	
1,2-Dichloroethene (total	20	20	98	82- 116	
Chloroform	10	10	101	84- 128	
1,2-Dichloroethane	10	11	112	79- 136	
2-Butanone	10	7.7	77	28- 237	
1,1,1-Trichloroethane	10	10	104	78- 140	
Carbon tetrachloride	10	11	106	75- 149	
Bromodichloromethane	10	10	102	87- 130	
1,2-Dichloropropane	10	10	102	82- 115	
cis-1,3-Dichloropropene	10	10	101	84- 130	
Trichloroethene	10	9.2	92	75- 122	
Dibromochloromethane	10	11	106	81- 138	
1,1,2-Trichloroethane	10	11	108	83- 122	
Benzene	10	10	101	80- 116	
trans-1,3-Dichloropropene	10	12	118	84- 130	
Bromoform	10	9.6	96	76- 150	
4-Methyl-2-pentanone	10	10	101	78- 141	
2-Hexanone	10	9.1	91	35- 200	
Tetrachloroethene	10	9.4	94	88- 113	
1,1,2,2-Tetrachloroethane	10	14	138*	85- 118	a
Toluene	10	12	116	74- 119	
Chlorobenzene	10	11	107	76- 117	
Ethylbenzene	10	11	110	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: 4F18339

Lot #: A4F280000 WO #: GJ5FH1AD
BATCH: 4180139

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	12	115	85- 117	
Xylenes (total)	30	35	116	87- 116	
cis-1,2-Dichloroethene	10	9.4	94	85- 113	
trans-1,2-Dichloroethene	10	10	101	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: 4F18339

Matrix Spike ID: LAB MS/MSD

Lot #: A4F180334 WO #: GJLRR1AC
BATCH: 4180139

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,2-Dichloroethene (total	20	ND	19	96	86- 115	
1,1-Dichloroethene	10	ND	10	102	62- 130	
Chloromethane	10	ND	9.7	97	40- 137	
Bromomethane	10	ND	8.3	83	55- 145	
Vinyl chloride	10	ND	8.3	83*	88- 126	a
Chloroethane	10	ND	8.3	83	59- 142	
Methylene chloride	10	ND	9.1	91	82- 115	
Acetone	10	ND	6.3	63	45- 128	
Carbon disulfide	10	ND	10	103	69- 138	
1,1-Dichloroethane	10	ND	10	104	88- 127	
Chloroform	10	ND	10	102	83- 141	
1,2-Dichloroethane	10	ND	11	109	71- 160	
2-Butanone	10	ND	6.6	66*	71- 123	a
1,1,1-Trichloroethane	10	ND	10	101	71- 162	
Carbon tetrachloride	10	ND	10	102	63- 176	
Bromodichloromethane	10	ND	10	101	80- 146	
1,2-Dichloropropane	10	ND	10	100	87- 114	
cis-1,3-Dichloropropene	10	ND	9.2	92	82- 130	
Trichloroethene	10	ND	9.3	91	62- 130	
Dibromochloromethane	10	ND	10	105	71- 158	
1,1,2-Trichloroethane	10	ND	11	106	86- 129	
Benzene	10	ND	9.7	97	78- 118	
trans-1,3-Dichloropropene	10	ND	11	113	73- 147	
Bromoform	10	ND	8.8	88	58- 176	
4-Methyl-2-pentanone	10	ND	9.0	90	82- 135	
2-Hexanone	10	ND	8.1	81	81- 128	
Tetrachloroethene	10	ND	9.4	94	85- 121	
1,1,2,2-Tetrachloroethane	10	ND	13	134*	88- 116	a

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4F18339

Matrix Spike ID: LAB MS/MSD

Lot #: A4F180334 WO #: GJLRR1AC
BATCH: 4180139

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Toluene	10	ND	11	113	70- 119	
Chlorobenzene	10	ND	10	104	76- 117	
Ethylbenzene	10	ND	11	110	86- 132	
Styrene	10	ND	11	114	83- 120	
Xylenes (total)	30	ND	34	113	89- 121	
cis-1,2-Dichloroethene	10	ND	9.3	93	87- 114	
trans-1,2-Dichloroethene	10	ND	9.9	99	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: 3 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4F18339

Matrix Spike ID: LAB MS/MSD

Lot #: A4F180334 WO #: GJLRR1AD
BATCH: 4180139

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Ethylbenzene	10	11	111	1.5	30	86- 132	
1,1-Dichloroethene	10	11	105	3.2	20	62- 130	
Chloromethane	10	9.4	94	3.1	39	40- 137	
Bromomethane	10	8.5	85	1.8	30	55- 145	
Vinyl chloride	10	8.6	86*	3.9	30	88- 126	a
Chloroethane	10	8.3	83	0.66	30	59- 142	
Methylene chloride	10	9.5	95	3.9	30	82- 115	
Acetone	10	7.2	72	13	30	45- 128	
Carbon disulfide	10	11	105	2.4	41	69- 138	
1,1-Dichloroethane	10	11	105	0.87	30	88- 127	
1,2-Dichloroethene (total	20	19	97	0.91	30	86- 115	
Chloroform	10	10	103	0.12	30	83- 141	
1,2-Dichloroethane	10	11	112	2.8	30	71- 160	
2-Butanone	10	7.6	76	15	30	71- 123	
1,1,1-Trichloroethane	10	10	103	2.0	30	71- 162	
Carbon tetrachloride	10	11	106	3.7	30	63- 176	
Bromodichloromethane	10	10	104	2.7	30	80- 146	
1,2-Dichloropropane	10	10	104	3.6	30	87- 114	
cis-1,3-Dichloropropene	10	9.7	97	5.2	30	82- 130	
Trichloroethene	10	9.3	91	0.13	20	62- 130	
Dibromochloromethane	10	11	107	1.8	30	71- 158	
1,1,2-Trichloroethane	10	11	112	5.4	30	86- 129	
Benzene	10	9.9	99	2.3	20	78- 118	
trans-1,3-Dichloropropene	10	12	116	2.1	30	73- 147	
Bromoform	10	9.4	94	6.6	30	58- 176	
4-Methyl-2-pentanone	10	9.7	97	7.1	30	82- 135	
2-Hexanone	10	8.6	86	6.4	30	81- 128	
Tetrachloroethene	10	9.3	93	1.2	30	85- 121	

(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: 4F18339

Matrix Spike ID: LAB MS/MSD

Lot #: A4F180334 WO #: GJLRR1AD
BATCH: 4180139

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1,2,2-Tetrachloroethane	10	15	147*	9.0	30	88- 116	a
Toluene	10	12	115	2.1	20	70- 119	
Chlorobenzene	10	11	107	2.2	20	76- 117	
Styrene	10	11	114	0.43	30	83- 120	
Xylenes (total)	30	35	117	3.2	30	89- 121	
cis-1,2-Dichloroethene	10	9.4	94	1.0	30	87- 114	
trans-1,2-Dichloroethene	10	10	100	0.79	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: 2 out of 35 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

GJ5FH1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4F18339

Lab File ID: UX77127.D

Lot Number: A4F180339

Date Analyzed: 06/27/04

Time Analyzed: 19:30

Matrix: WATER

Date Extracted:06/27/04

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	INTRA-LAB QC	GJLRR1AA	UX77132.D	06/27/04	21:27
02	LAB MS/MSD	GJLRR1AC S	UX77133.D	06/27/04	21:51
03	LAB MS/MSD	GJLRR1AD D	UX77134.D	06/27/04	22:15
04	DUCK CREEK 01/061604	GJLTJ1AA	UX77135.D	06/27/04	22:39
05	SEWER E/061704	GJLTP1AA	UX77136.D	06/27/04	23:02
06	SEWER A/061704	GJLTR1AA	UX77137.D	06/27/04	23:25
07	SEWER F/061704	GJLTV1AA	UX77138.D	06/27/04	23:48
08	SEWER G/061704	GJLTW1AA	UX77139.D	06/28/04	00:11
09	CHECK SAMPLE	GJ5FH1AC C	UX77125.D	06/27/04	18:43
10	DUPLICATE CHECK	GJ5FH1AD L	UX77126.D	06/27/04	19:07
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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.: 4F18339

Lab File ID: BFB222 BFB Injection Date: 04/21/04

Instrument ID: A3UX7 BFB Injection Time: 0850

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.9
75	30.0 - 60.0% of mass 95	51.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	79.8
175	5.0 - 9.0% of mass 174	5.9 (7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	78.8 (98.7)1
177	5.0 - 9.0% of mass 176	5.5 (7.0)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	5NGA9CAL	UX74908	04/21/04	0938
02	VSTD002	10NGA9CAL	UX74909	04/21/04	1002
03	VSTD005	25NGA9CAL	UX74910	04/21/04	1026
04	VSTD010	50NGA9CAL	UX74911	04/21/04	1050
05	VSTD020	100NGA9CAL	UX74912	04/21/04	1113
06	VSTD040	200NGA9CAL	UX74913	04/21/04	1155
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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.: 4F18339

Lab File ID: BFB277 BFB Injection Date: 06/02/04

Instrument ID: A3UX7 BFB Injection Time: 1151

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	17.1
75	30.0 - 60.0% of mass 95	45.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.6 (0.7)1
174	50.0 - 100.0% of mass 95	80.5
175	5.0 - 9.0% of mass 174	5.7 (7.1)1
176	Greater than 95.0%, but less than 101.0% of mass 174	80.3 (99.7)1
177	5.0 - 9.0% of mass 176	4.8 (6.0)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	5.0NG8260CAL	UX76306	06/02/04	1214
02	VSTD002	10NG8260CAL	UX76307	06/02/04	1238
03	VSTD005	25NG8260CAL	UX76308	06/02/04	1301
04	VSTD010	50NG8260CAL	UX76309	06/02/04	1325
05	VSTD020	100NG8260CAL	UX76310	06/02/04	1348
06	VSTD040	200NG8260CAL	UX76311	06/02/04	1412
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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.: 4F18339

Lab File ID: BFB307 BFB Injection Date: 06/27/04

Instrument ID: A3UX7 BFB Injection Time: 1734

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	22.4
75	30.0 - 60.0% of mass 95	51.0
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	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	65.6
175	5.0 - 9.0% of mass 174	5.0 (7.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	63.5 (96.8)1
177	5.0 - 9.0% of mass 176	4.2 (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	UX77123	06/27/04	1756
02	VSTD010	50NG-CC	UX77124	06/27/04	1820
03	GJ5FH-CHK	GJ5FH1AC	UX77125	06/27/04	1843
04	GJ5FH-CKDUP	GJ5FH1AD	UX77126	06/27/04	1907
05	GJ5FH-BLK	GJ5FH1AA	UX77127	06/27/04	1930
06	DUCK CREEK 0	GJLTJ1AA	UX77135	06/27/04	2239
07	SEWER E/0617	GJLTP1AA	UX77136	06/27/04	2302
08	SEWER A/0617	GJLTR1AA	UX77137	06/27/04	2325
09	SEWER F/0617	GJLTV1AA	UX77138	06/27/04	2348
10	SEWER G/0617	GJLTW1AA	UX77139	06/28/04	0011
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FORM V VOA 1/87 Rev.

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4F18339

Lab File ID (Standard): UX77124 Date Analyzed: 06/27/04

Instrument ID: A3UX7 Time Analyzed: 1820

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	808200	7.57	1143366	4.96	366487	9.79
	UPPER LIMIT	1616400	8.07	2286732	5.46	732974	10.29
	LOWER LIMIT	404100	7.07	571683	4.46	183244	9.29
	EPA SAMPLE NO.						
01	GJ5FH-CHK	799438	7.57	1142179	4.95	320320	9.79
02	GJ5FH-CKDUP	806642	7.57	1146478	4.95	336263	9.79
03	GJ5FH-BLK	768075	7.57	1058207	4.95	284117	9.79
04	DUCK CREEK 0	758949	7.57	1043780	4.96	277918	9.79
05	SEWER E/0617	736189	7.57	1006241	4.96	271266	9.80
06	SEWER A/0617	751375	7.57	1035975	4.95	279208	9.79
07	SEWER F/0617	755490	7.57	1051397	4.95	300501	9.79
08	SEWER G/0617	754447	7.57	1059358	4.95	303072	9.79
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21							
22							

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

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

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

page 1 of 1

FORM VIII VOA 1/87 Rev.

SEVERN TRENT STL

SAMPLE DATA

PAYNE FIRM INC.

Client Sample ID: DUCK CREEK 01/061604

GC/MS Volatiles

Lot-Sample #...: A4F180339-001 **Work Order #...:** GJLTJ1AA **Matrix.....:** WG
Date Sampled...: 06/16/04 11:37 **Date Received..:** 06/18/04
Prep Date.....: 06/27/04 **Analysis Date..:** 06/27/04
Prep Batch #...: 4180139
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.

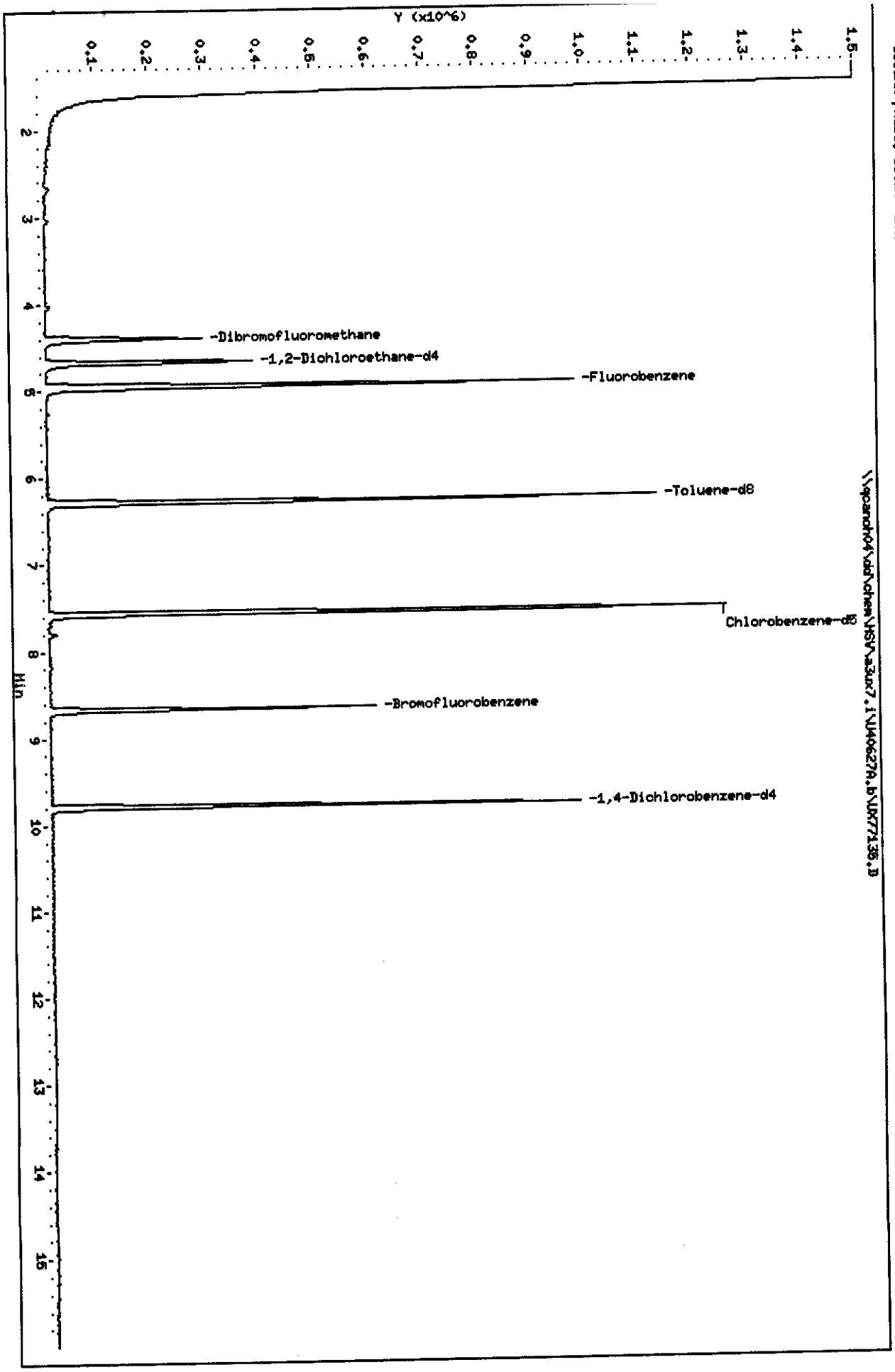
Client Sample ID: DUCK CREEK 01/061604

GC/MS Volatiles

Lot-Sample #...: A4F180339-001 **Work Order #...:** GJLTJ1AA **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	96	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U46627A.b\UX77135.D
Date : 27-JUN-2004 22:39
Client ID: DUCK CREEK 01/06160
Sample Info: GJLT31AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1903
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
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-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4
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\\qcanoh04\dd\chem\HSV\a3ux7.i\U46627A.b\UX77135.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77135.D
Report Date: 28-Jun-2004 10:40

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77135.D
Lab Smp Id: GJLTJ1AA
Client Smp ID: DUCK CREEK 01/06160
Inj Date : 27-JUN-2004 22:39
Operator : 1903
Inst ID: a3ux7.i
Smp Info : GJLTJ1AA,5ML/5ML
Misc Info : U40627A,N8260UX7-3,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40627A.b\N8260UX7-3.m
Meth Date : 28-Jun-2004 10:31 evansl
Quant Type: ISTD
Cal Date : 21-APR-2004 11:55
Cal File: UX74913.D
Als bottle: 13
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)	CONCENTRATIONS FINAL (ug/L)
* 1 Fluorobenzene	96	4.955	4.955	(1.000)	1043780	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.570	(1.000)	758949	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.794	(1.000)	277918	50.0000	
$ 4 Dibromofluoromethane	113	4.398	4.399	(0.888)	225879	47.9556	9.591
$ 5 1,2-Dichloroethane-d4	65	4.671	4.671	(0.943)	343578	52.9725	10.594
$ 6 Toluene-d8	98	6.280	6.280	(0.830)	818277	48.4444	9.689
$ 7 Bromofluorobenzene	95	8.670	8.670	(1.145)	245683	41.7650	8.353
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\U40627A.b\UX77135.D
Report Date: 28-Jun-2004 10:40

	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\U40627A.b\UX77135.D
Report Date: 28-Jun-2004 10:40

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

PAYNE FIRM INC.

Client Sample ID: SEWER E/061704

GC/MS Volatiles

Lot-Sample #...: A4F180339-002 **Work Order #...:** GJLTP1AA **Matrix.....:** WG
Date Sampled...: 06/17/04 10:05 **Date Received..:** 06/18/04
Prep Date.....: 06/27/04 **Analysis Date..:** 06/27/04
Prep Batch #...: 4180139
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: SEWER E/061704

GC/MS Volatiles

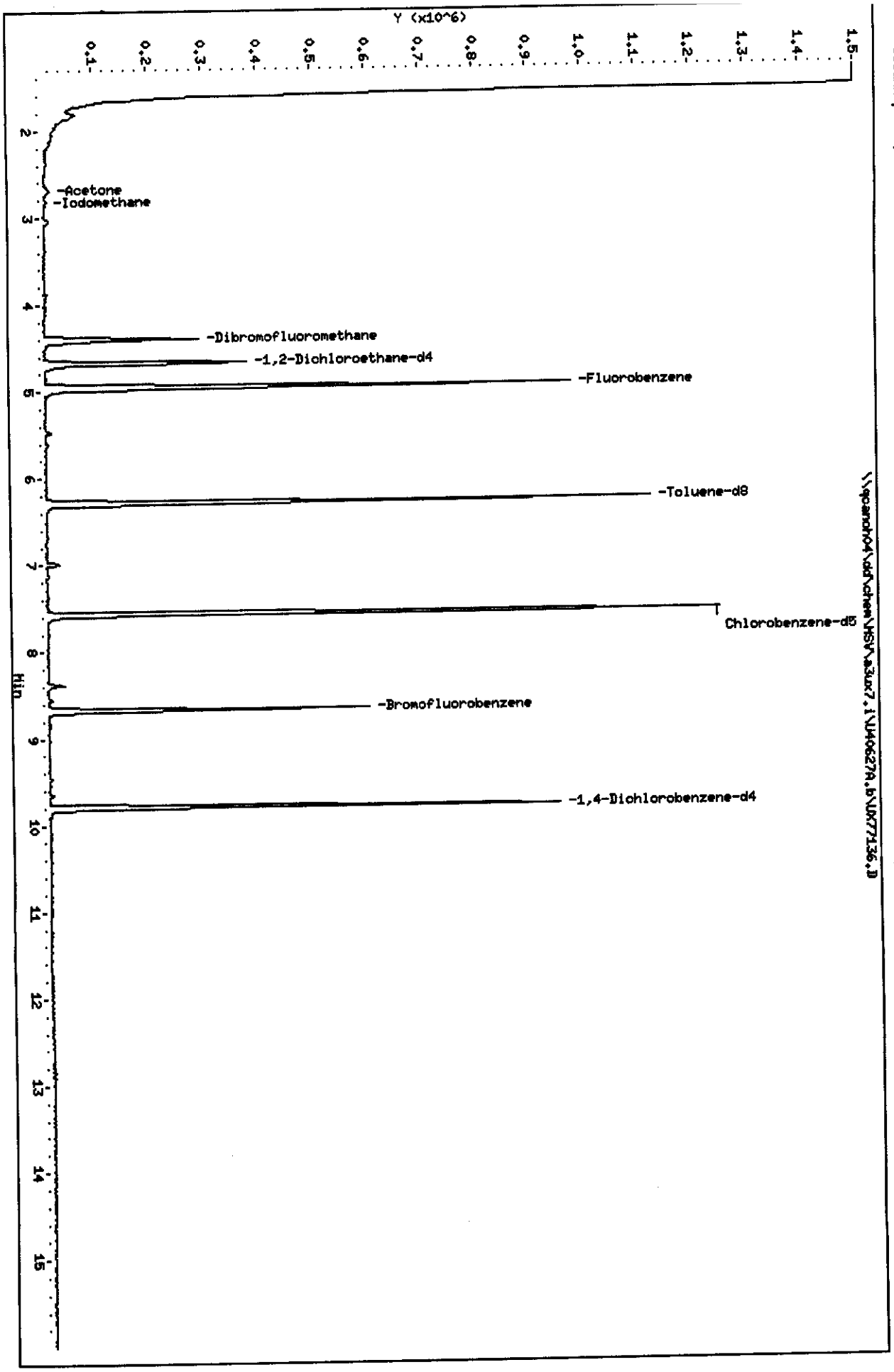
Lot-Sample #...: A4F180339-002 **Work Order #...:** GJLTP1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	**0.24 J**	**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	97	(73 - 122)
1,2-Dichloroethane-d4	111	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	87	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 27-JUN-2004 23:02
Client ID: SEMER E/061704
Sample Info: CJLTP100,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1903
Column diameter: 0.18
\\qcanoh04\dd\chem\HSV\a3ux7.i\U40627A.b\UX77136.D
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Acetone
-Iodomethane
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
-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\a3ux7.i\U40627A.b\UX77136.D
Report Date: 28-Jun-2004 10:41

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77136.D
Lab Smp Id: GJLTP1AA
Client Smp ID: SEWER E/061704
Inj Date : 27-JUN-2004 23:02
Inst ID: a3ux7.i
Operator : 1903
Smp Info : GJLTP1AA,5ML/5ML
Misc Info : U40627A,N8260UX7-3,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40627A.b\N8260UX7-3.m
Meth Date : 28-Jun-2004 10:31 evansl
Quant Type: ISTD
Cal Date : 21-APR-2004 11:55
Cal File: UX74913.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.955	4.955	(1.000)	1006241	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.570	(1.000)	736189	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.794	(1.000)	271266	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.399	(0.888)	219890	48.4257	9.685
$ 5 1,2-Dichloroethane-d4	65	4.671	4.671	(0.943)	347164	55.5222	11.104
$ 6 Toluene-d8	98	6.281	6.280	(0.830)	802158	48.9583	9.792
$ 7 Bromofluorobenzene	95	8.671	8.670	(1.145)	246923	43.2735	8.655
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	2.683	(0.542)	24854	3.43494	0.6870
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77136.D
Report Date: 28-Jun-2004 10:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.802	2.801	(0.565)	9460	1.22045	0.2441
	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\U40627A.b\UX77136.D
Report Date: 28-Jun-2004 10:41

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

Data File: \\qoanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77136.D

Date : 27-JUN-2004 23:02

Client ID: SEWER E/061704

Instrument: a3ux7.i

Sample Info: GJLTP1AA,5ML/5ML

Purge Volume: 5.0

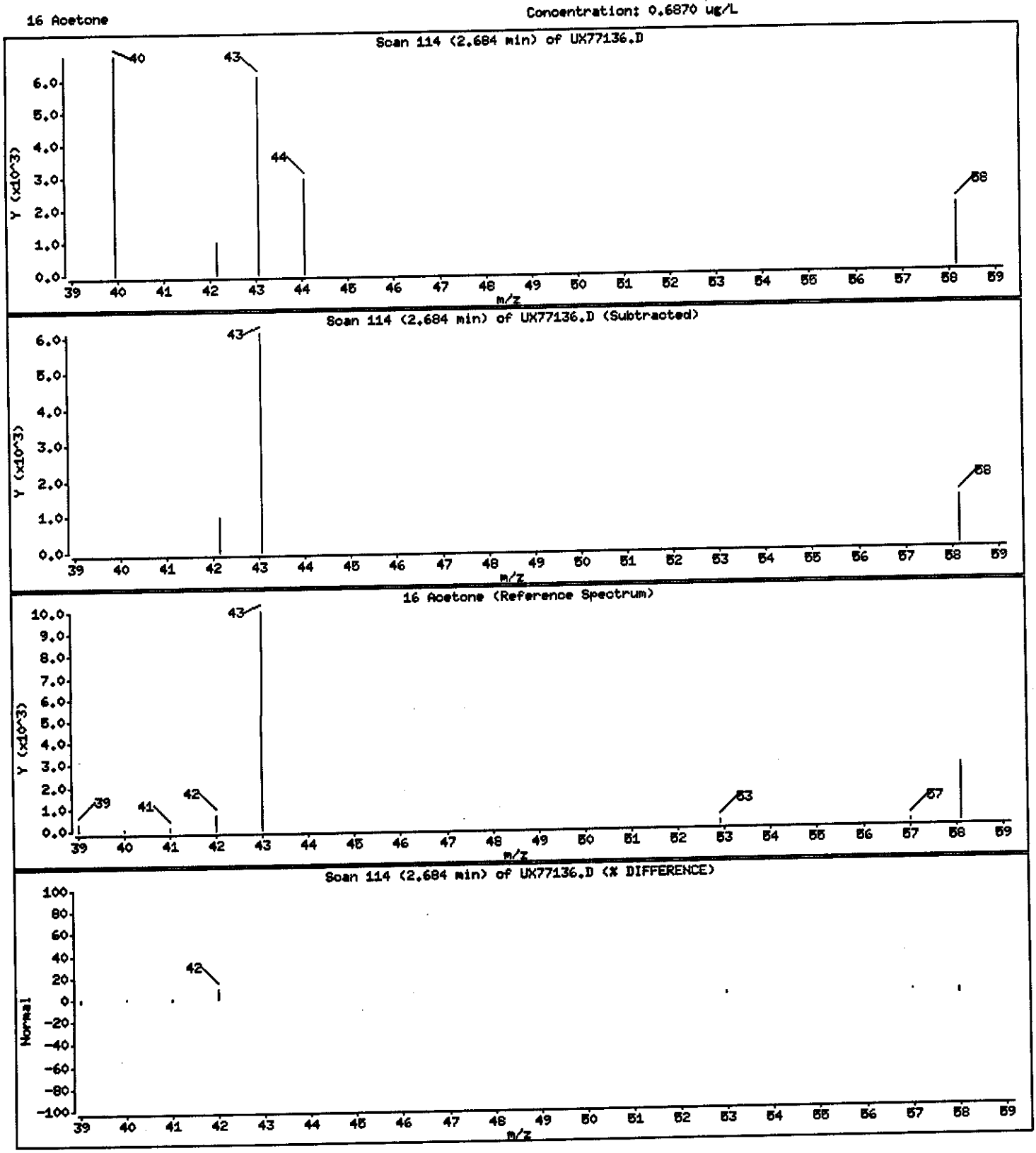
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

Concentration: 0.6870 ug/L

16 Acetone



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Date : 27-JUN-2004 23:02

Client ID: SEWER E/061704

Instrument: a3ux7.i

Sample Info: GJLTP1AA,5ML/5ML

Operator: 1903

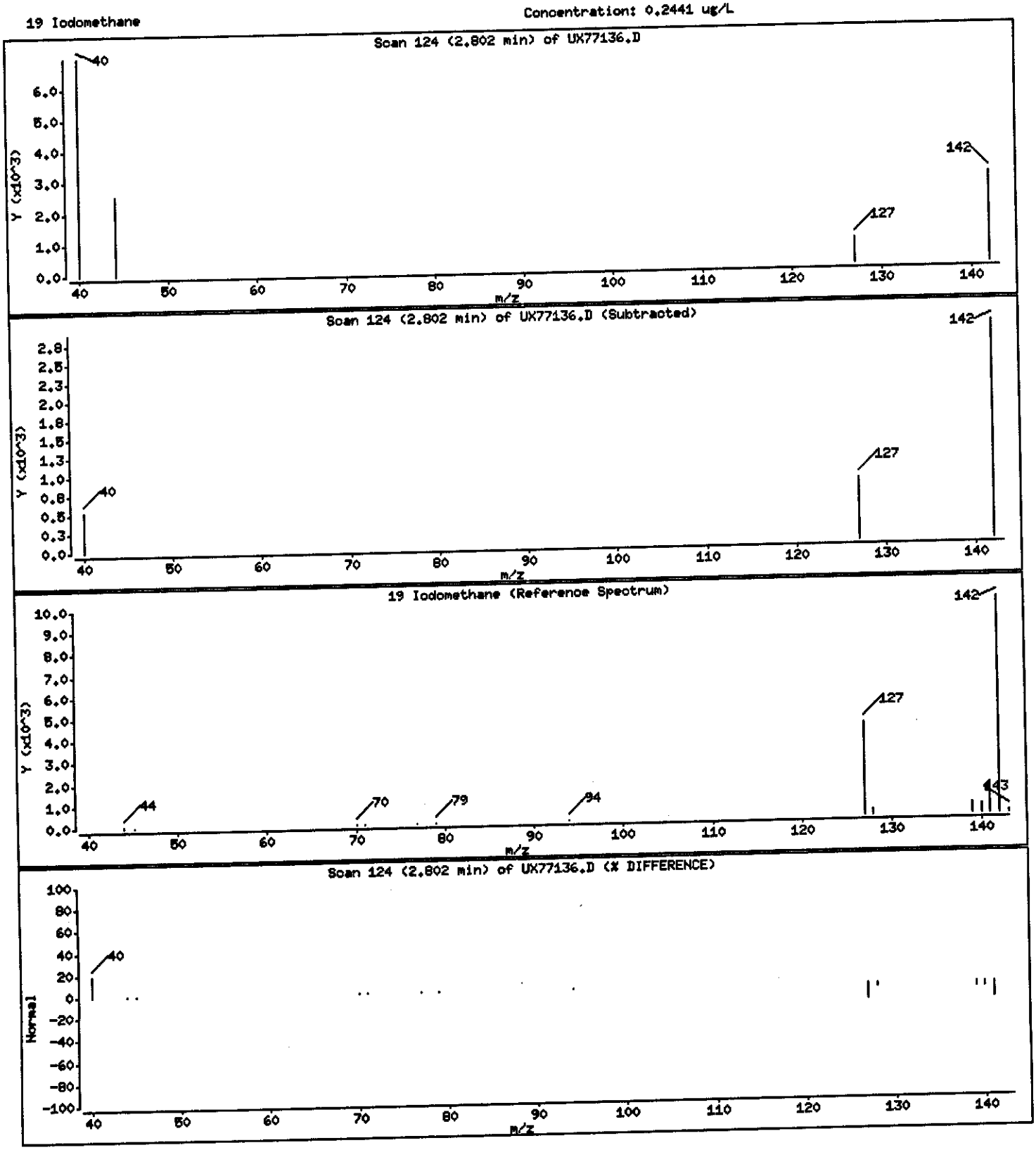
Purge Volume: 5.0

Column phase: DB624 20m

Column diameter: 0.18

Concentration: 0.2441 ug/L

19 Iodomethane



PAYNE FIRM INC.

Client Sample ID: SEWER A/061704

GC/MS Volatiles

Lot-Sample #...: A4F180339-003 **Work Order #...:** GJLTR1AA **Matrix.....:** WG
Date Sampled...: 06/17/04 10:35 **Date Received..:** 06/18/04
Prep Date.....: 06/27/04 **Analysis Date..:** 06/27/04
Prep Batch #...: 4180139
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	**0.96 J**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	**0.96 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	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: SEWER A/061704

GC/MS Volatiles

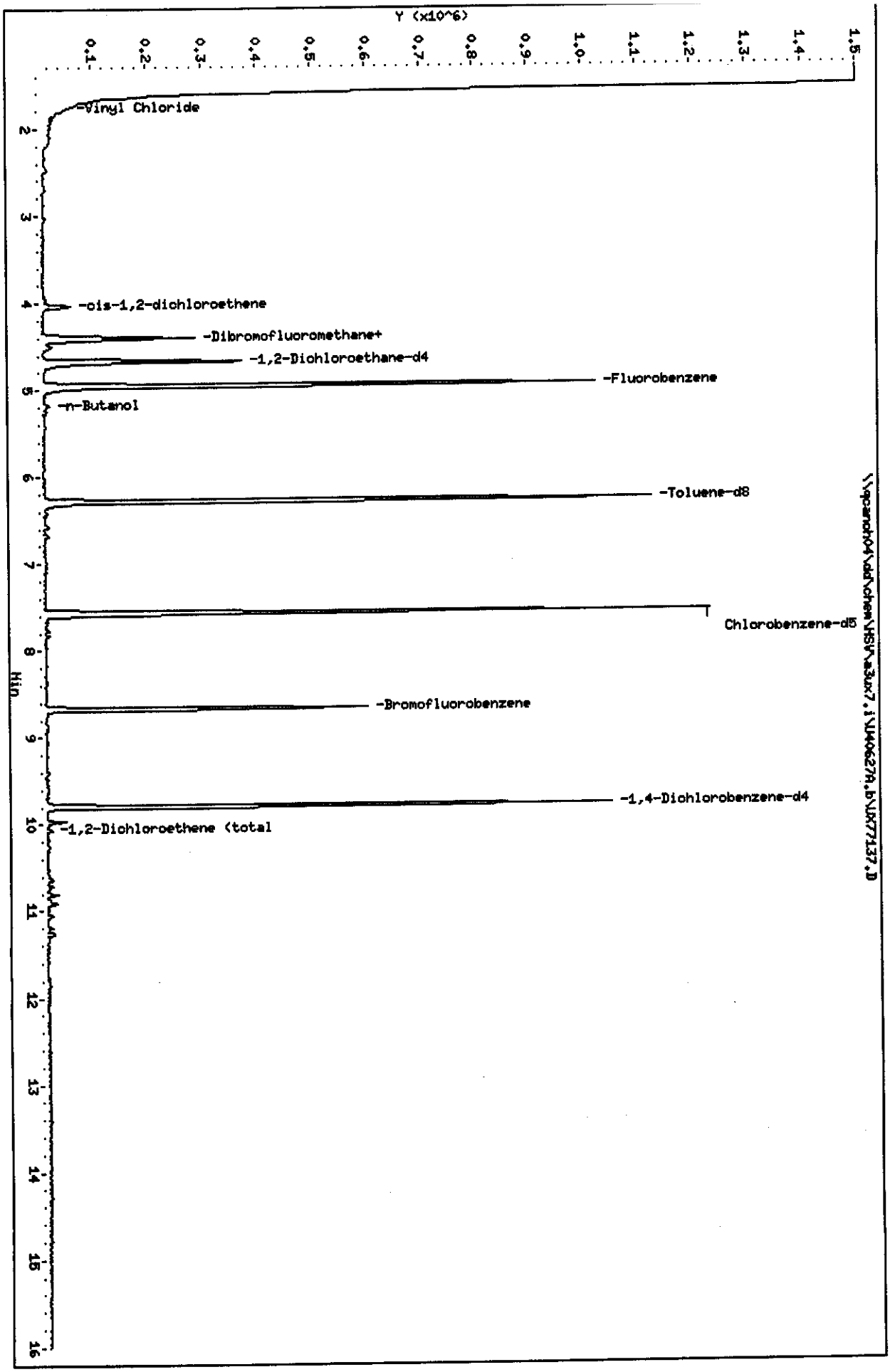
Lot-Sample #...: A4F180339-003 **Work Order #...:** GJLTR1AA **Matrix.....:** WG

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	**0.43 J**	**1.0**	**ug/L**
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 27-JUN-2004 23:26
Client ID: SEWER A/061704
Sample Info: CJLTR100.5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1903
Column diameter: 0.18
\\qcanch04\dd\chem\HSV\a3ux7.i\U406276.b\UX77137.D
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
Vinyl Chloride
cis-1,2-dichloroethene
Dibromofluoromethane+
1,2-Dichloroethane-d4
Fluorobenzene
n-Butanol
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene
1,4-Dichlorobenzene-d4
1,2-Dichloroethene (total
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77137.D
Report Date: 28-Jun-2004 10:42

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77137.D
Lab Smp Id: GJLTR1AA
Client Smp ID: SEWER A/061704
Inj Date : 27-JUN-2004 23:25
Operator : 1903
Inst ID: a3ux7.i
Smp Info : GJLTR1AA,5ML/5ML
Misc Info : U40627A,N8260UX7-3,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40627A.b\N8260UX7-3.m
Meth Date : 28-Jun-2004 10:31 evansl
Quant Type: ISTD
Cal Date : 21-APR-2004 11:55
Cal File: UX74913.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.952	4.955	(1.000)	1035975	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.570	(1.000)	751375	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.794	(1.000)	279208	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.399	(0.888)	233450	49.9364	9.987
$ 5 1,2-Dichloroethane-d4	65	4.668	4.671	(0.943)	352484	54.7550	10.951
$ 6 Toluene-d8	98	6.277	6.280	(0.830)	795816	47.5896	9.518
$ 7 Bromofluorobenzene	95	8.667	8.670	(1.145)	245717	42.1918	8.438
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.757	1.748	(0.355)	18420	2.13734	0.4275
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\U40627A.b\UX77137.D
Report Date: 28-Jun-2004 10:42

	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				28594	4.82382	0.9648
	32 cis-1,2-dichloroethene	96	4.029	4.032	(0.814)	28594	4.82382	0.9648
	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\U40627A.b\UX77137.D
Report Date: 28-Jun-2004 10:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	5.177	5.152	(0.684)	6467	160.408	32.082
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.502	4.505	(0.909)	9380	1.19001	0.2380(a)
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 Below Limit Of Quantitation(BLOQ).

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Date : 27-JUN-2004 23:25

Client ID: SEWER A/061704

Instrument: a3ux7.i

Sample Info: GJLTR1AA,5ML/5ML

Purge Volume: 5.0

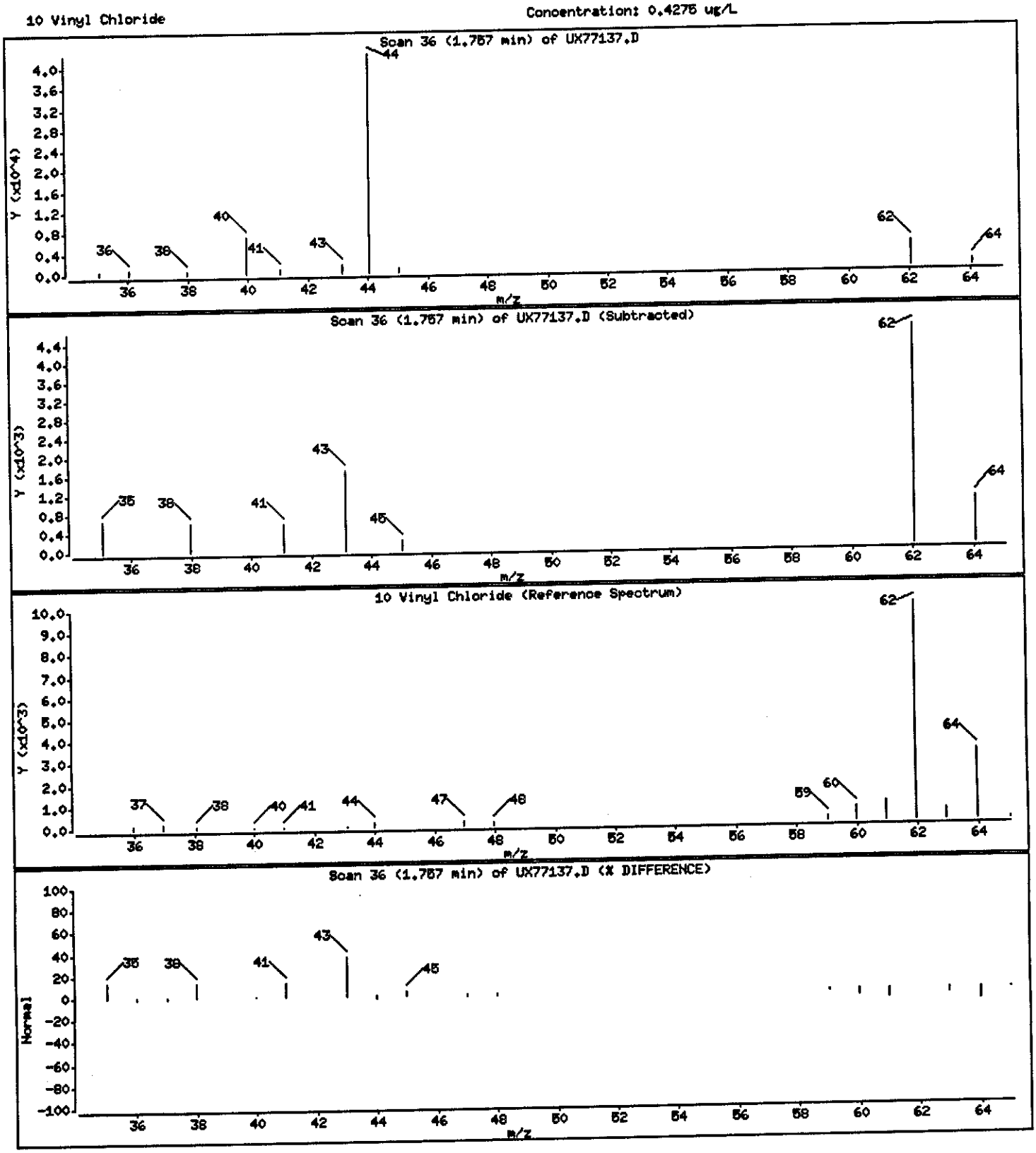
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

10 Vinyl Chloride

Concentration: 0.4275 ug/L



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Date : 27-JUN-2004 23:25

Client ID: SEWER A/061704

Instrument: a3ux7.i

Sample Info: GJLTR1AA,5ML/5ML

Purge Volume: 5.0

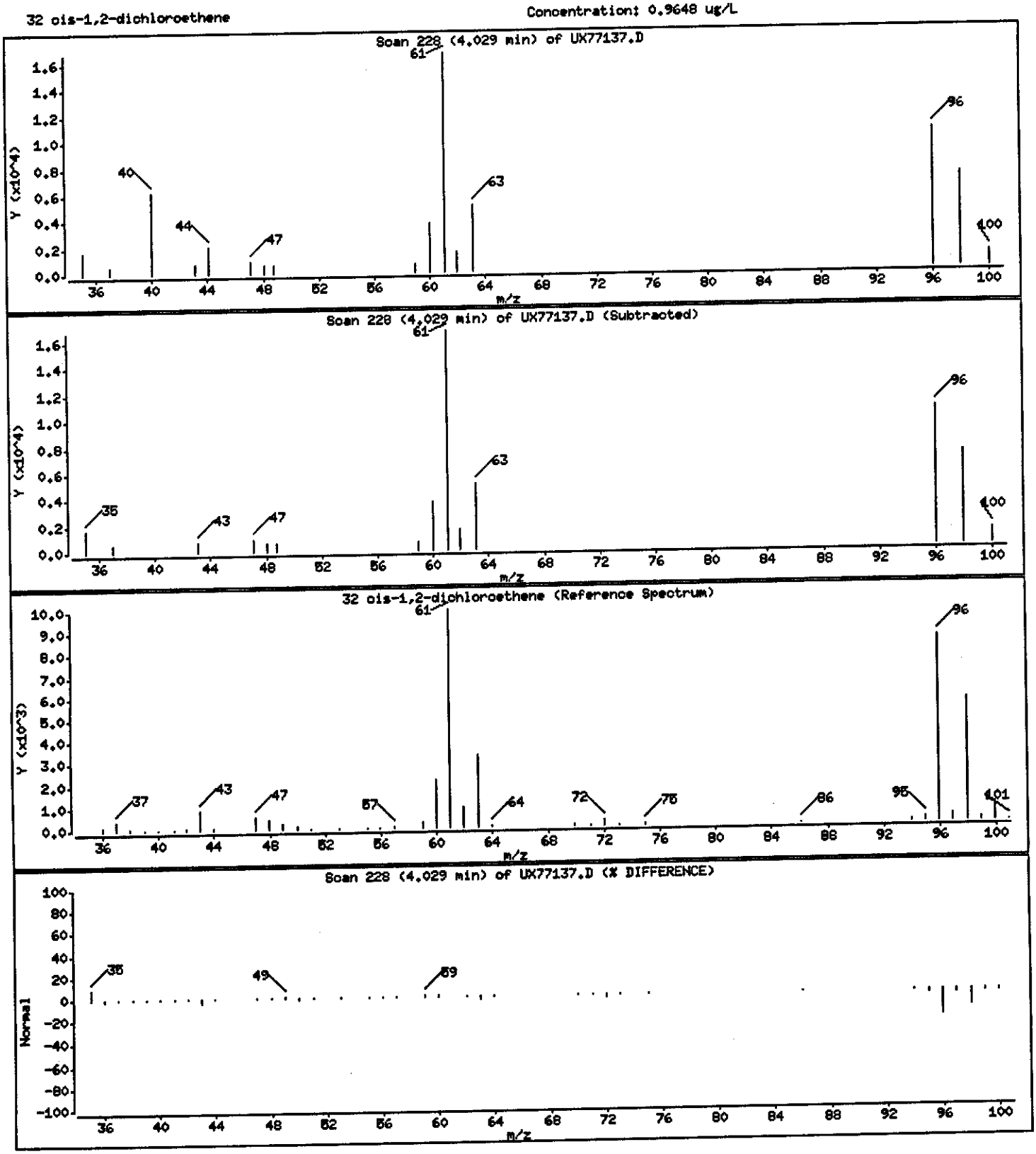
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

32 cis-1,2-dichloroethene

Concentration: 0.9648 ug/L



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Date : 27-JUN-2004 23:25

Client ID: SEWER A/061704

Instrument: a3ux7.i

Sample Info: GJLTR1AA,5ML/5ML

Purge Volume: 5.0

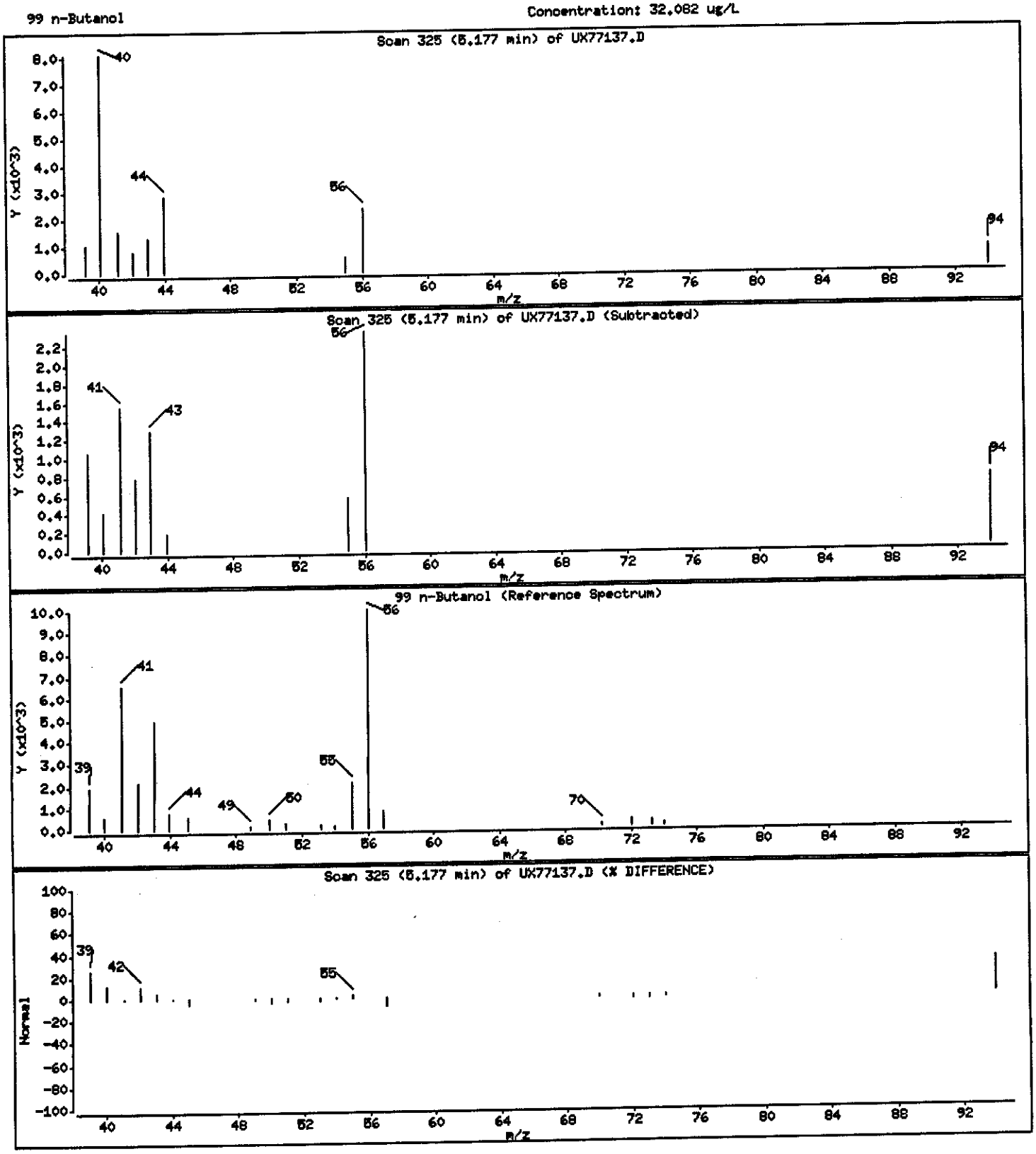
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

99 n-Butanol

Concentration: 32.082 ug/L



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Date : 27-JUN-2004 23:25

Client ID: SEWER A/061704

Instrument: a3ux7.i

Sample Info: GJLTR1AA,5ML/5ML

Purge Volume: 5.0

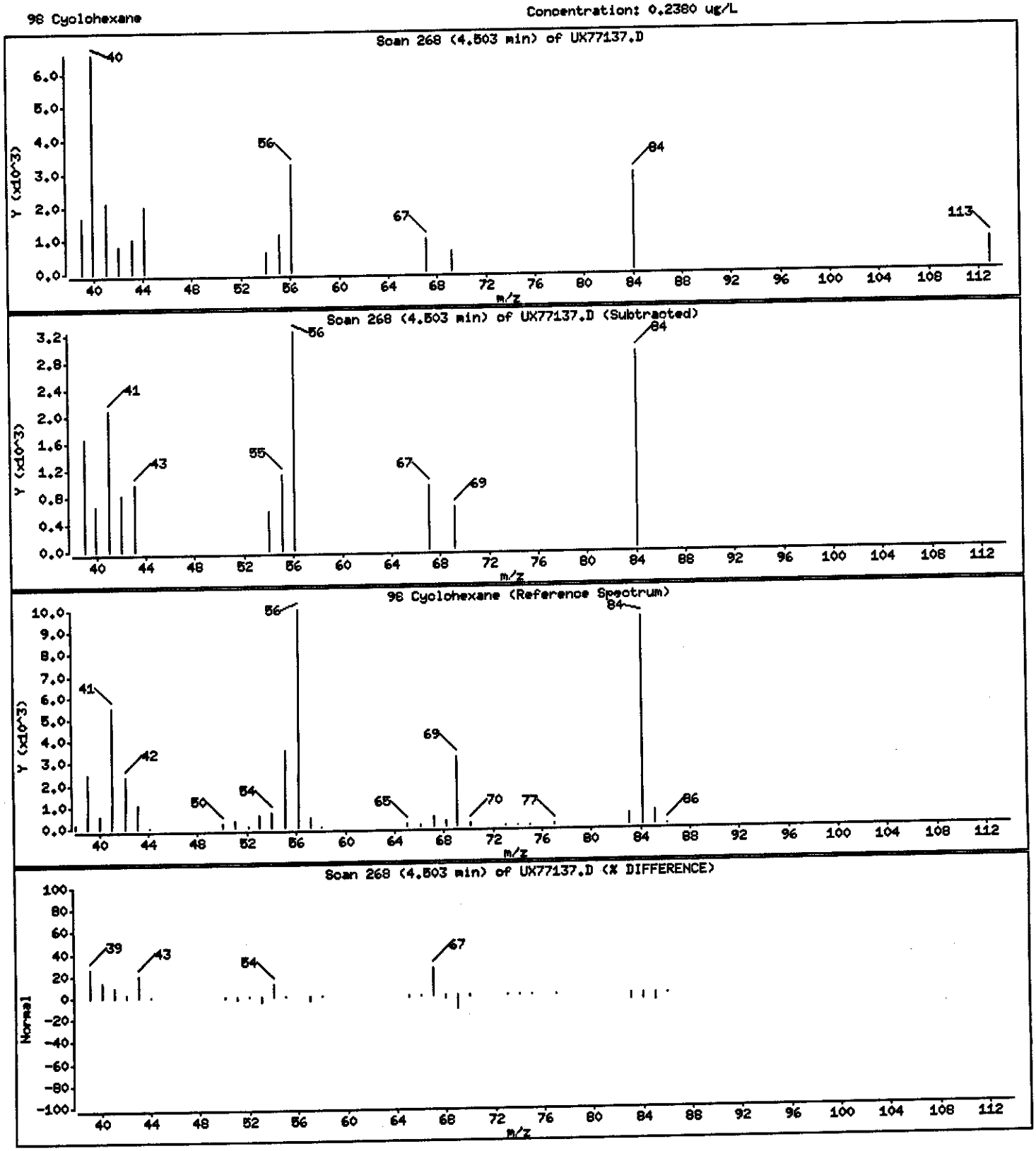
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

98 Cyclohexane

Concentration: 0.2380 ug/L



PAYNE FIRM INC.

Client Sample ID: SEWER F/061704

GC/MS Volatiles

Lot-Sample #...: A4F180339-004 **Work Order #...:** GJLTV1AA **Matrix.....:** WG
Date Sampled...: 06/17/04 10:45 **Date Received..:** 06/18/04
Prep Date.....: 06/27/04 **Analysis Date..:** 06/27/04
Prep Batch #...: 4180139
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	**0.37 J**	**1.0**	**ug/L**
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**0.28 J**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: SEWER F/061704

GC/MS Volatiles

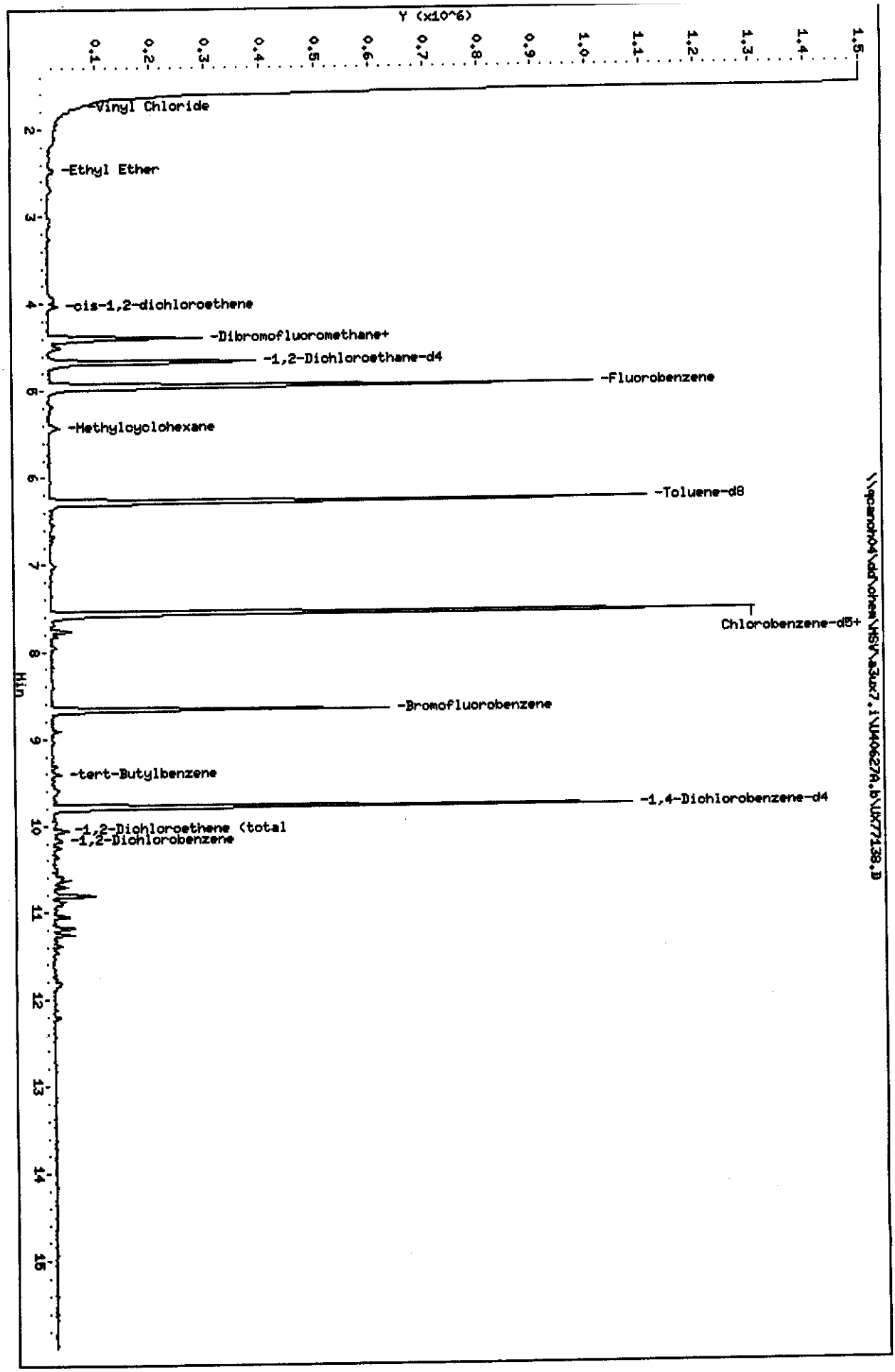
Lot-Sample #...: A4F180339-004 **Work Order #...:** GJLTV1AA **Matrix.....:** WG

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	**0.45 J**	**1.0**	**ug/L**
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	85	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 27-JUN-2004 23:48
Client ID: SEWER F/061704
Sample Info: GJLTV1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1903
Column diameter: 0.18
Y (x10^6)
Vinyl Chloride
Ethyl Ether
cis-1,2-dichloroethene
Dibromofluoromethane+
1,2-Dichloroethane-d4
Fluorobenzene
Methylcyclohexane
Toluene-d8
Chlorobenzene-d5+
Bromofluorobenzene
tert-Butylbenzene
1,4-Dichlorobenzene-d4
1,2-Dichloroethene (total
1,2-Dichlorobenzene
Min
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Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77138.D
Report Date: 28-Jun-2004 10:43

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77138.D
Lab Smp Id: GJLTV1AA
Client Smp ID: SEWER F/061704
Inj Date : 27-JUN-2004 23:48
Operator : 1903
Inst ID: a3ux7.i
Smp Info : GJLTV1AA,5ML/5ML
Misc Info : U40627A,N8260UX7-3,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40627A.b\N8260UX7-3.m
Meth Date : 28-Jun-2004 10:31 evansl
Quant Type: ISTD
Cal Date : 21-APR-2004 11:55
Cal File: UX74913.D
Als bottle: 16
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	4.954	4.955	(1.000)	1051397	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.570	(1.000)	755490	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.793	9.794	(1.000)	300501	50.0000	
$ 4 Dibromofluoromethane	113	4.397	4.399	(0.888)	226338	47.7050	9.541
$ 5 1,2-Dichloroethane-d4	65	4.670	4.671	(0.943)	335369	51.3322	10.266
$ 6 Toluene-d8	98	6.279	6.280	(0.830)	804433	47.8428	9.568
$ 7 Bromofluorobenzene	95	8.669	8.670	(1.145)	249760	42.6524	8.530
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.747	1.748	(0.353)	19867	2.27143	0.4543
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\U40627A.b\UX77138.D
Report Date: 28-Jun-2004 10:43

	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				8505	1.41375	0.2828
	32 cis-1,2-dichloroethene	96	4.042	4.032	(0.816)	8505	1.41375	0.2828
	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	7.592	7.593	(1.003)	24730	1.83888	0.3678
	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\U40627A.b\UX77138.D
Report Date: 28-Jun-2004 10:43

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	9.403	9.404	(0.960)	7467	0.87889	0.1758
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	10.184	10.185	(1.040)	7127	0.97257	0.1945
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	2.469	2.466	(0.498)	8441	1.67673	0.3353
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	4.504	4.505	(0.909)	14009	1.75121	0.3502(a)
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.439	5.440	(1.098)	8638	1.42404	0.2848
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77138.D

Date : 27-JUN-2004 23:48

Client ID: SEWER F/061704

Instrument: a3ux7.i

Sample Info: GJLTV1AA,5ML/5ML

Purge Volume: 5.0

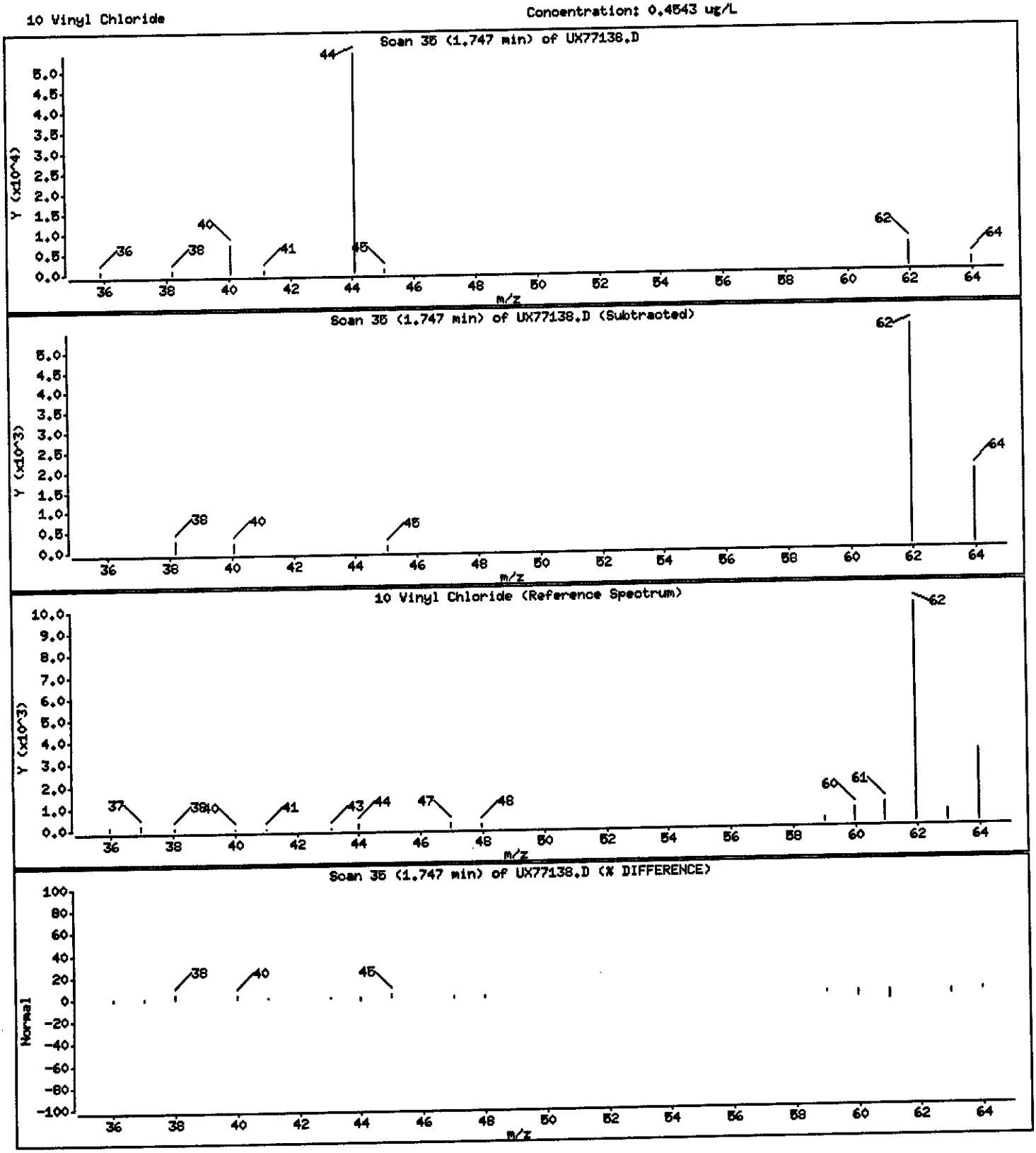
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

10 Vinyl Chloride

Concentration: 0.4543 ug/L



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Date : 27-JUN-2004 23:48

Client ID: SEWER F/061704

Instrument: a3ux7.i

Sample Info: GJLTV1AA,5ML/5ML

Purge Volume: 5.0

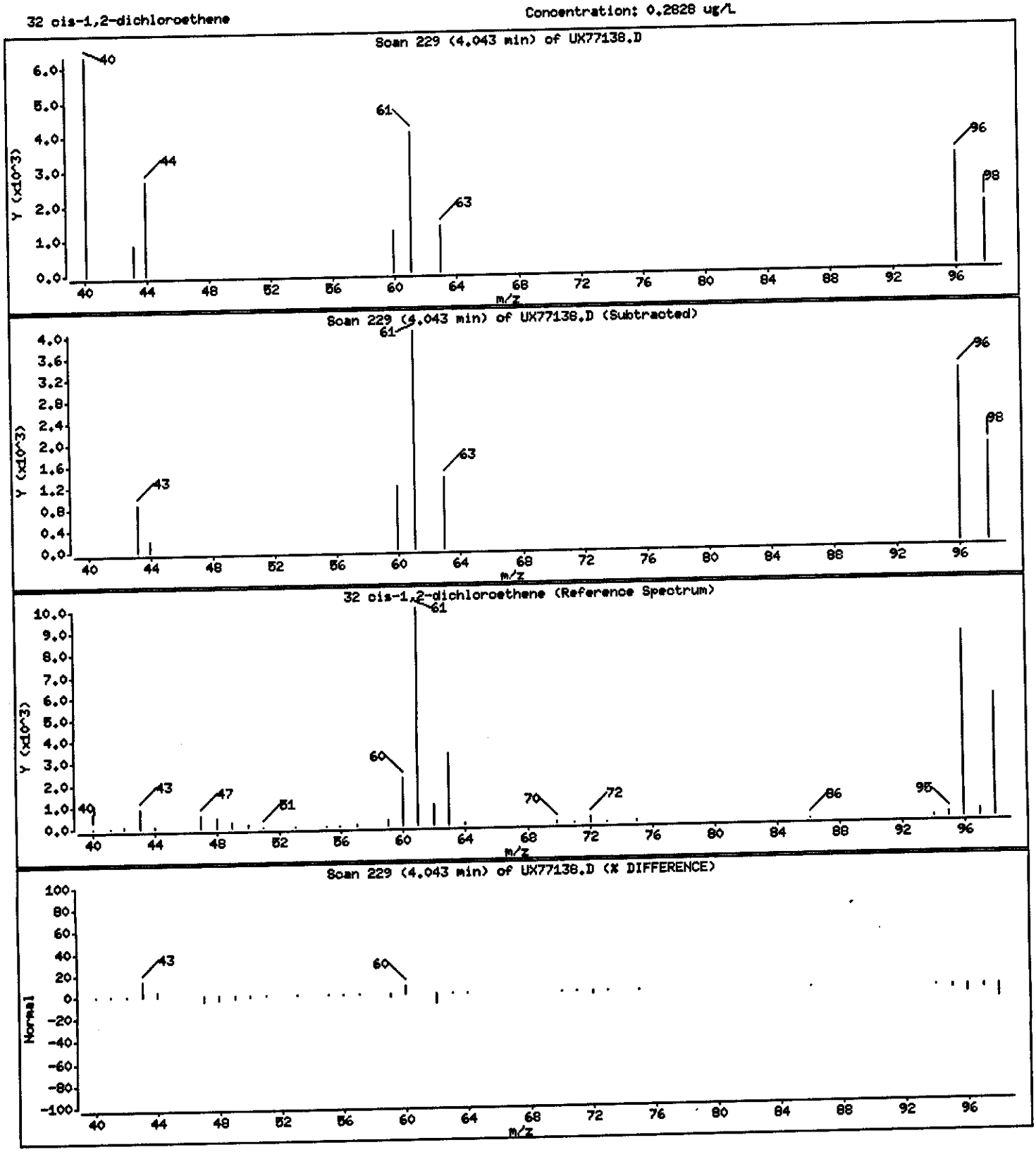
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

Concentration: 0.2828 ug/L

32 cis-1,2-dichloroethene



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Date : 27-JUN-2004 23:48

Client ID: SEWER F/061704

Instrument: a3ux7.i

Sample Info: GJLTV1AA,5ML/5ML

Purge Volume: 5.0

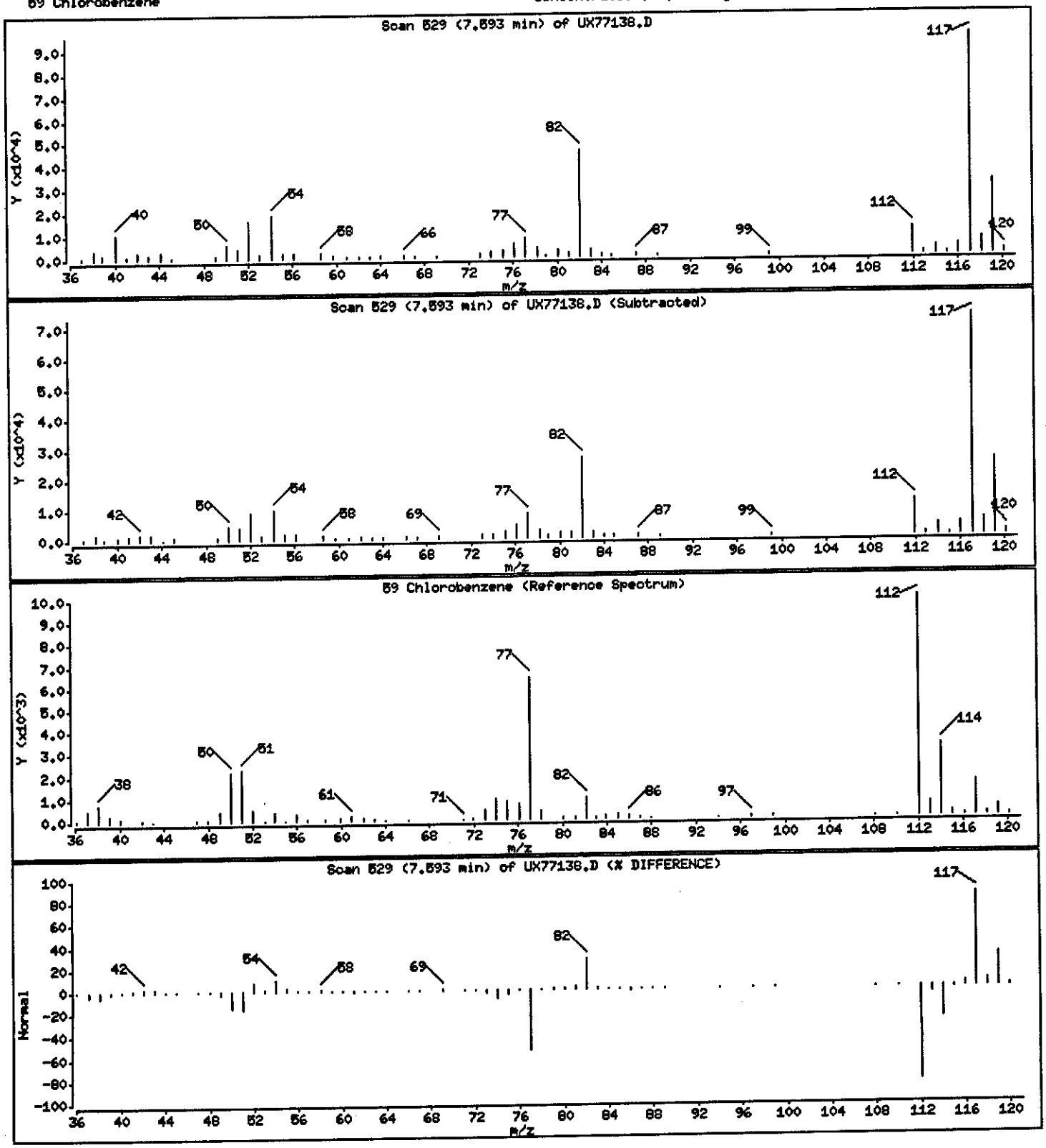
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

59 Chlorobenzene

Concentration: 0.3678 ug/L



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Date : 27-JUN-2004 23:48

Client ID: SEWER F/061704

Instrument: a3ux7.i

Sample Info: GJLTV1AA,5ML/5ML

Purge Volume: 5.0

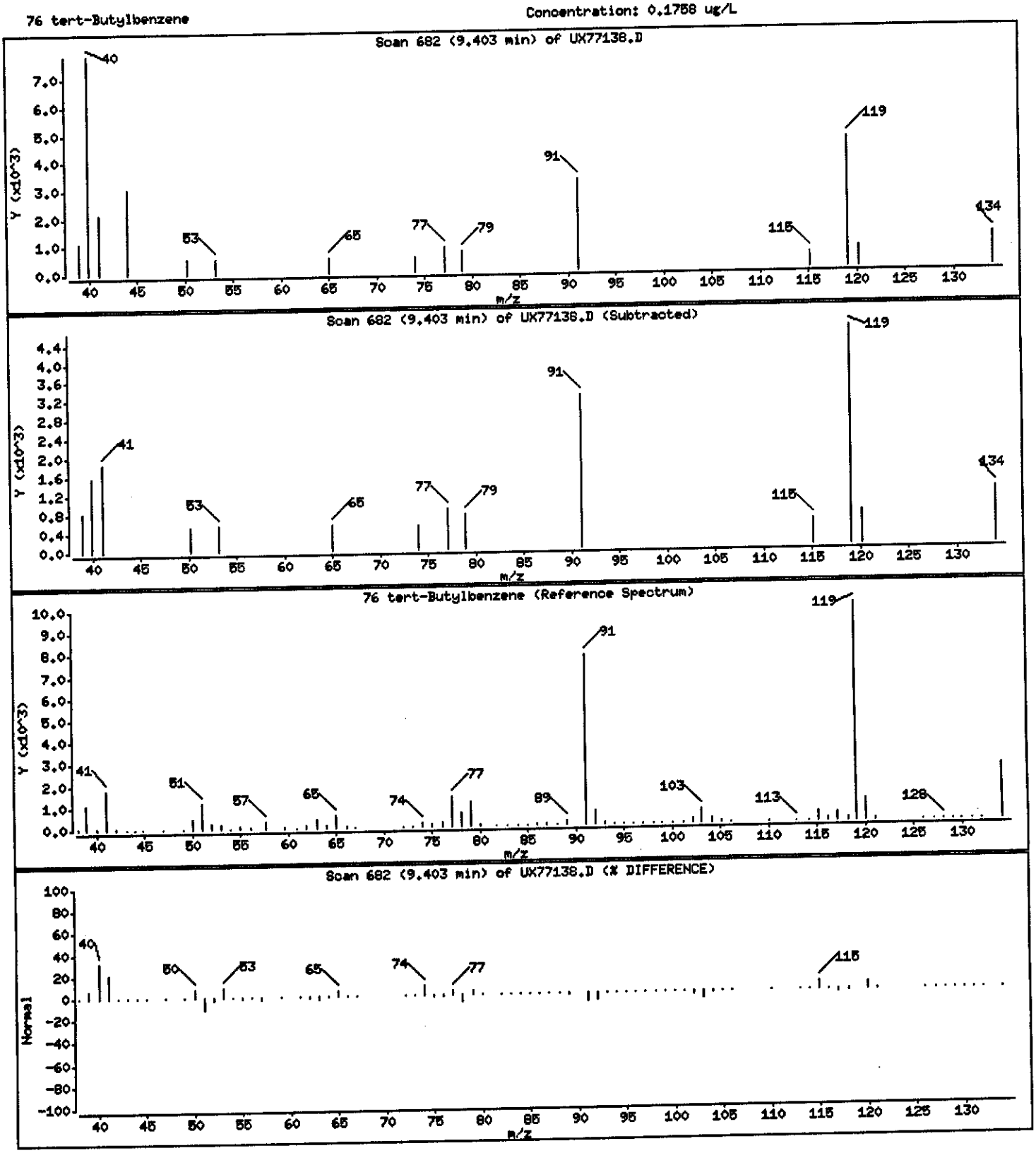
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

76 tert-Butylbenzene

Concentration: 0.1758 ug/L



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Date : 27-JUN-2004 23:48

Client ID: SEWER F/061704

Instrument: a3ux7.i

Sample Info: GJLTV1AA,5ML/5ML

Purge Volume: 5.0

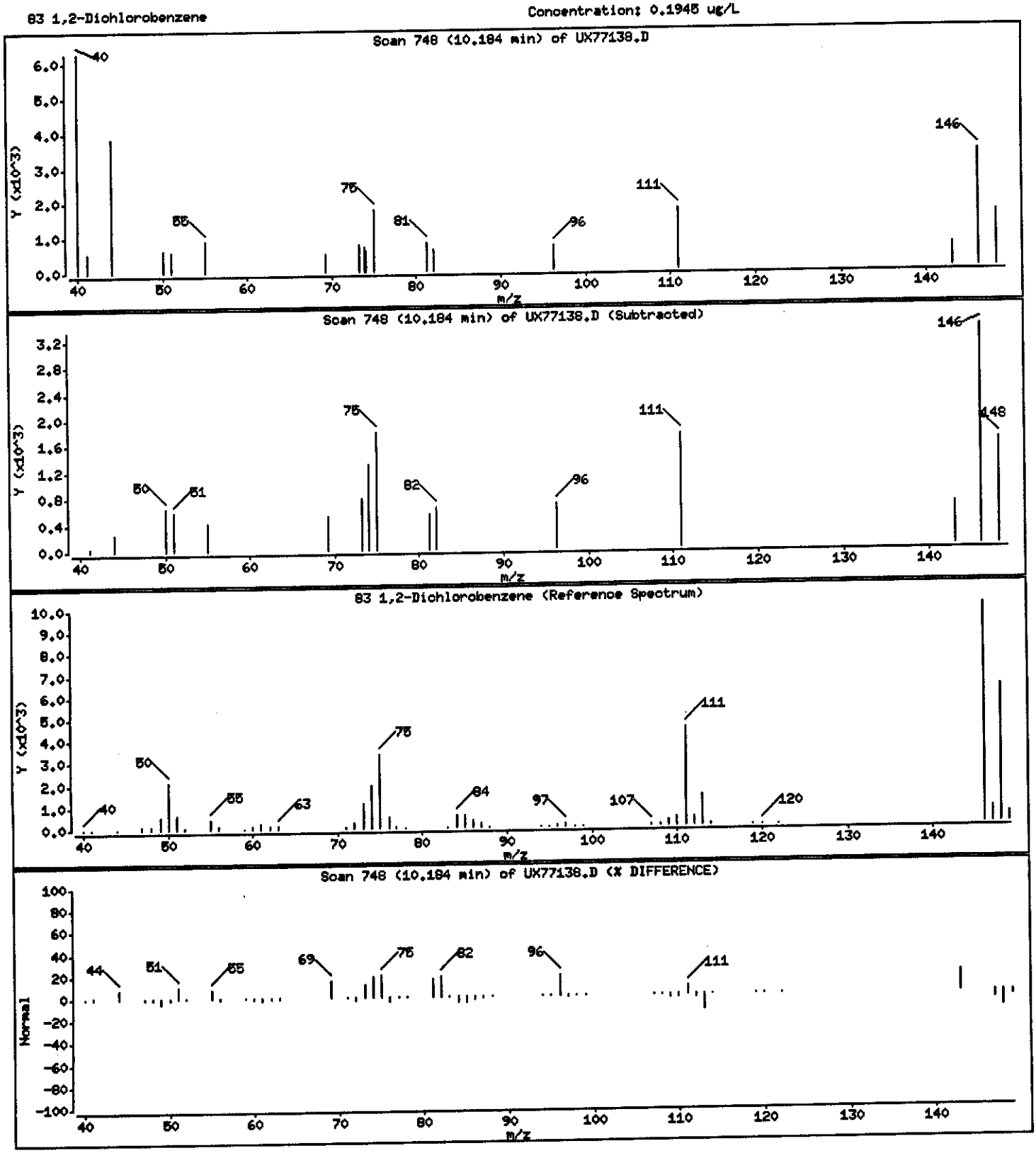
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

83 1,2-Dichlorobenzene

Concentration: 0.1945 ug/L



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Date : 27-JUN-2004 23:48

Client ID: SEWER F/061704

Instrument: a3ux7.i

Sample Info: GJLTV1AA,5ML/5ML

Purge Volume: 5.0

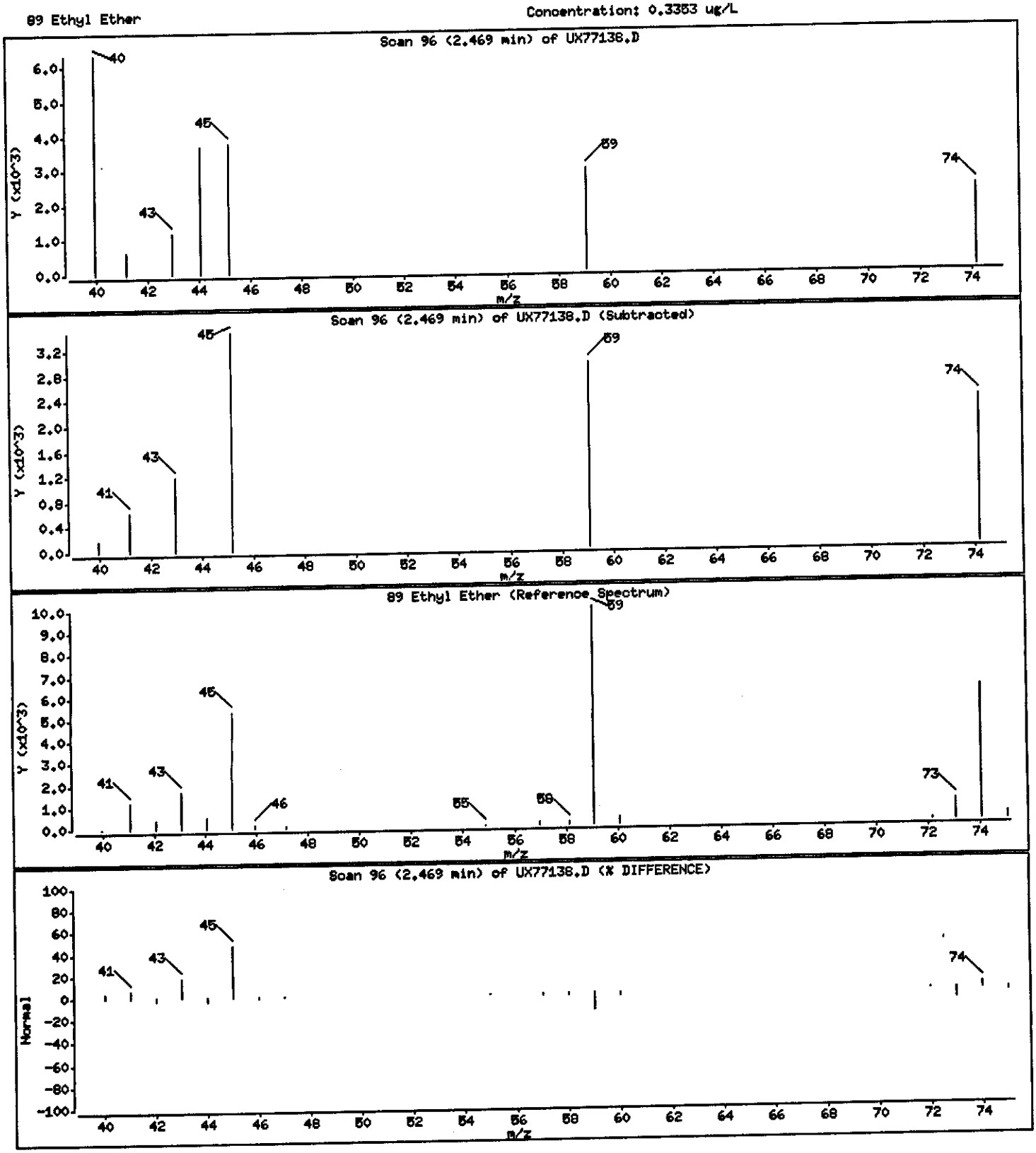
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

89 Ethyl Ether

Concentration: 0.3353 ug/L



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Date : 27-JUN-2004 23:48

Client ID: SEWER F/061704

Instrument: a3ux7.i

Sample Info: GJLTV1AA,5ML/5ML

Purge Volume: 5.0

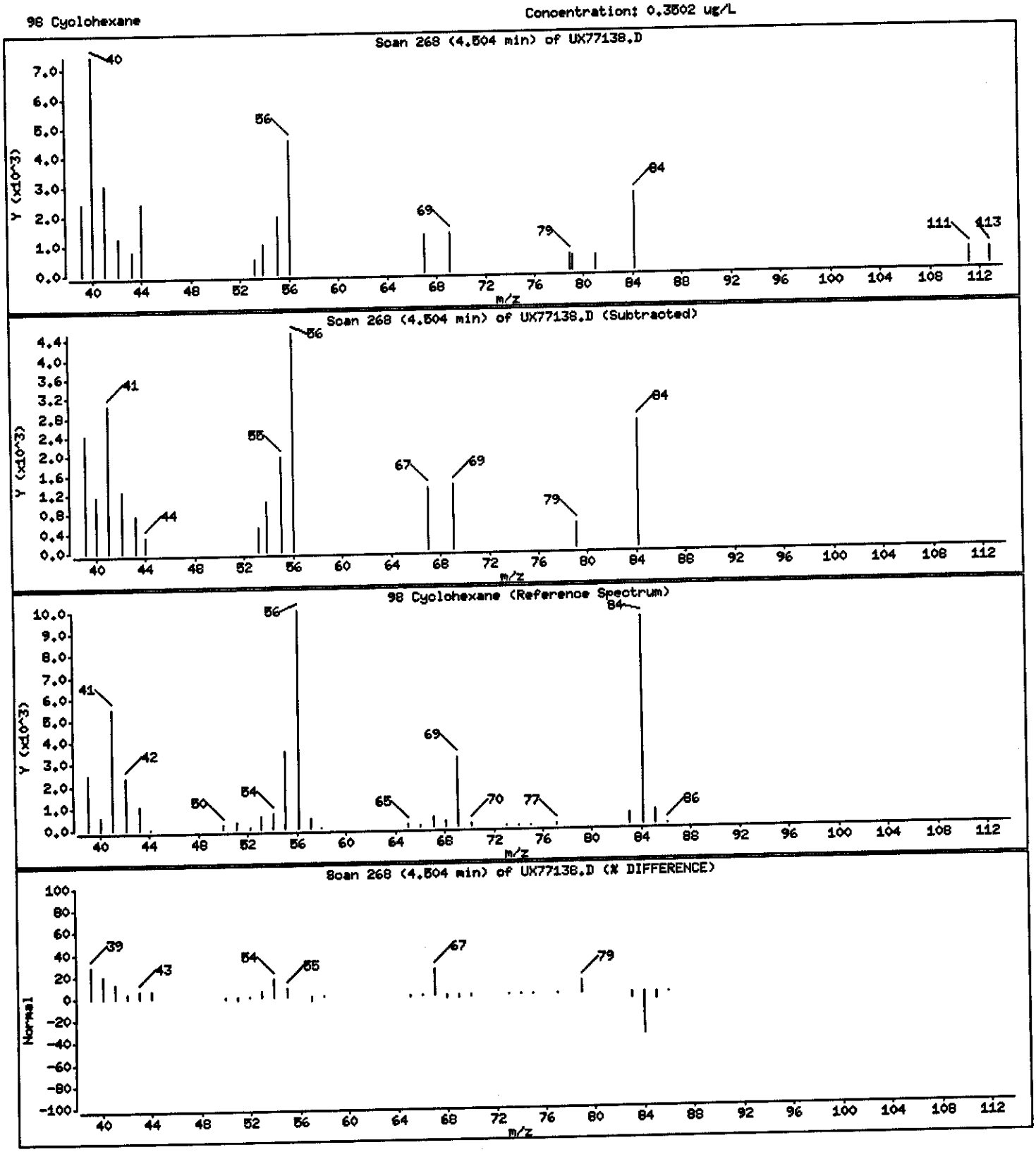
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

Concentration: 0.3502 ug/L

98 Cyclohexane



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Date : 27-JUN-2004 23:48

Client ID: SEWER F/061704

Instrument: a3ux7.i

Sample Info: GJLTV1AA,5ML/5ML

Purge Volume: 5.0

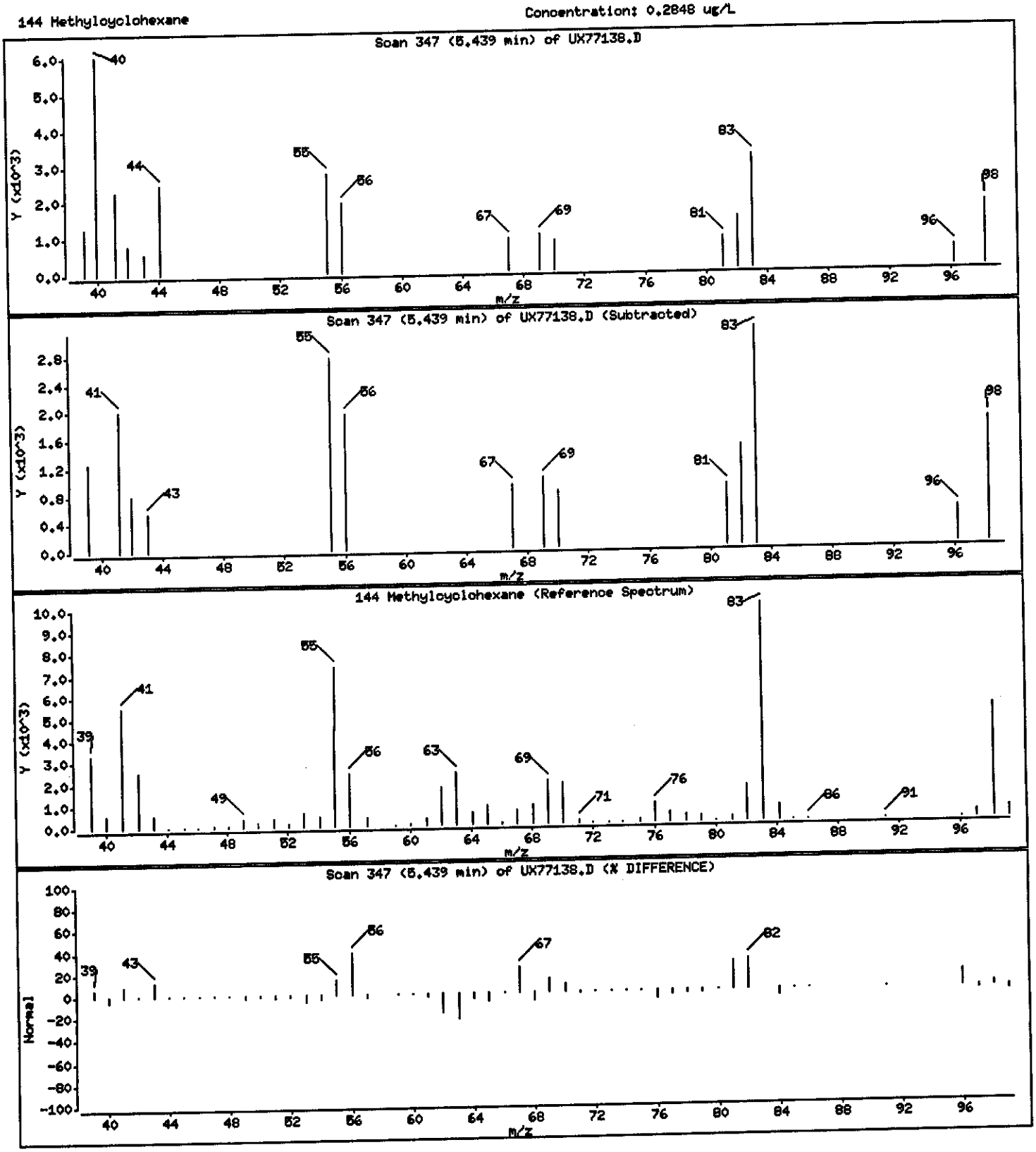
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

Concentration: 0.2848 ug/L

144 Methylcyclohexane



PAYNE FIRM INC.

Client Sample ID: SEWER G/061704

GC/MS Volatiles

Lot-Sample #...: A4F180339-005 **Work Order #...:** GJLTW1AA **Matrix.....:** WG
Date Sampled...: 06/17/04 10:50 **Date Received..:** 06/18/04
Prep Date.....: 06/28/04 **Analysis Date..:** 06/28/04
Prep Batch #...: 4180139
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	**0.27 J**	**1.0**	**ug/L**
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**1.0**	**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)	**1.0 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	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: SEWER G/061704

GC/MS Volatiles

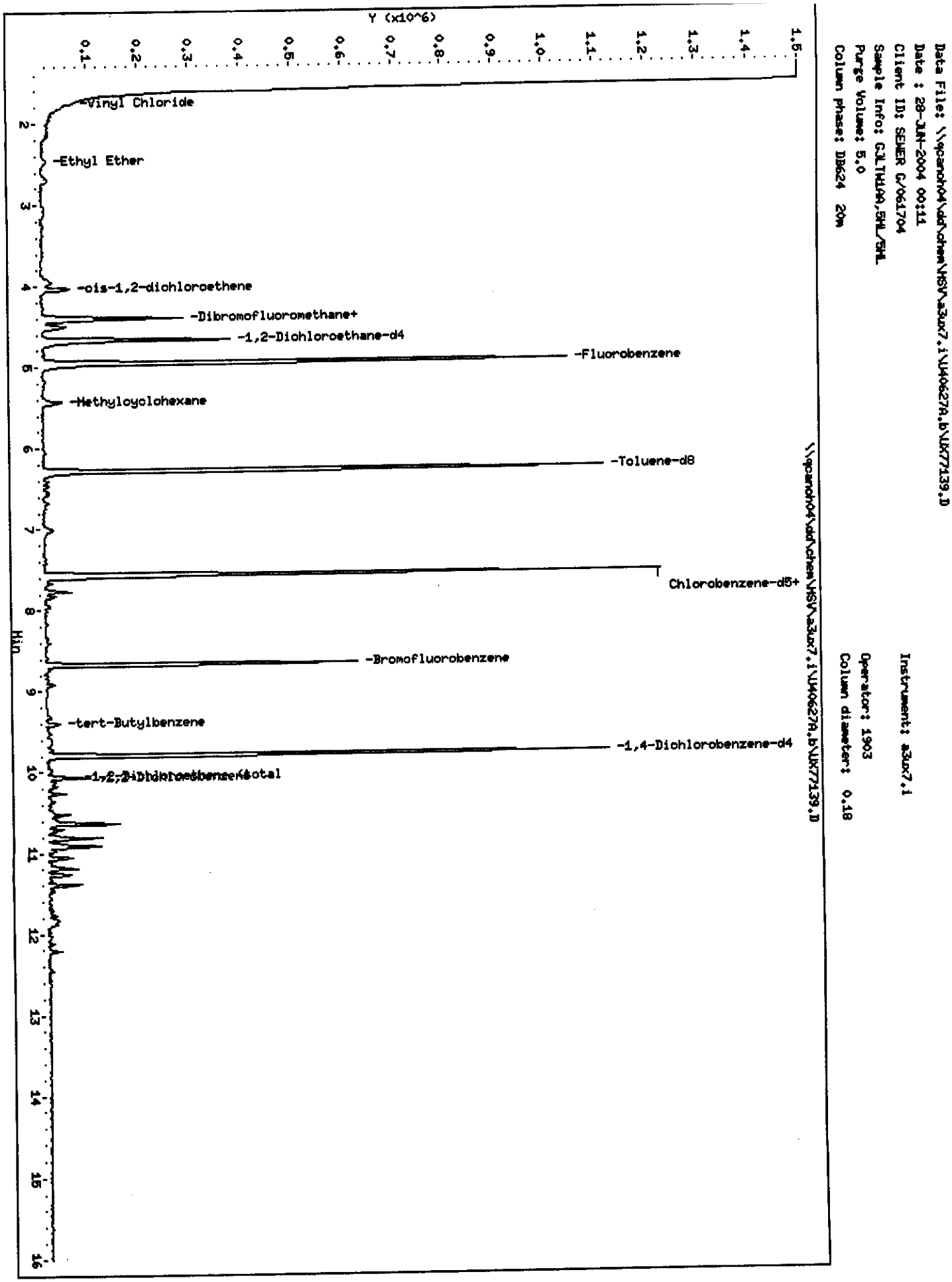
Lot-Sample #...: A4F180339-005 **Work Order #...:** GJLTW1AA **Matrix.....:** WG

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	**0.72 J**	**1.0**	**ug/L**
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	87	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40627A.b\UX77139.D
Date : 28-JUN-2004 00:11
Client ID: SEWER G/061704
Sample Info: GJLTW1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1903
Column diameter: 0.18
\\qcanoh04\dd\chem\HSV\a3ux7.i\U40627A.b\UX77139.D
Y (x10^6)
Min
-Vinyl Chloride
-Ethyl Ether
-cis-1,2-dichloroethene
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
-Fluorobenzene
-Methylcyclohexane
-Toluene-d8
Chlorobenzene-d5+
-Bromofluorobenzene
-tert-Butylbenzene
-1,4-Dichlorobenzene-d4
-1,2,2-Dichloroethene-total

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77139.D
Report Date: 28-Jun-2004 10:43

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77139.D
Lab Smp Id: GJLTW1AA
Client Smp ID: SEWER G/061704
Inj Date : 28-JUN-2004 00:11
Operator : 1903
Inst ID: a3ux7.i
Smp Info : GJLTW1AA,5ML/5ML
Misc Info : U40627A,N8260UX7-3,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40627A.b\N8260UX7-3.m
Meth Date : 28-Jun-2004 10:31 evansl
Quant Type: ISTD
Cal Date : 21-APR-2004 11:55
Cal File: UX74913.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.951	4.955	(1.000)	1059358	50.0000	
* 2 Chlorobenzene-d5	117	7.566	7.570	(1.000)	754447	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.794	(1.000)	303072	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.399	(0.888)	226955	47.4755	9.495
$ 5 1,2-Dichloroethane-d4	65	4.667	4.671	(0.943)	342714	52.0623	10.412
$ 6 Toluene-d8	98	6.277	6.280	(0.830)	800897	47.6984	9.540
$ 7 Bromofluorobenzene	95	8.667	8.670	(1.145)	254612	43.5411	8.708
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.745	1.748	(0.352)	31692	3.59617	0.7192
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\U40627A.b\UX77139.D
Report Date: 28-Jun-2004 10:43

	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				31100	5.13077	1.026
	32 cis-1,2-dichloroethene	96	4.028	4.032	(0.814)	31100	5.13077	1.026
	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	7.602	7.593	(1.005)	18239	1.35809	0.2716
	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\U40627A.b\UX77139.D
Report Date: 28-Jun-2004 10:43

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	9.412	9.404	(0.961)	10958	1.27886	0.2558
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	10.181	10.185	(1.040)	5435	0.73539	0.1471
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	2.478	2.466	(0.501)	8839	1.74260	0.3485
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	4.514	4.505	(0.912)	29234	3.62697	0.7254(a)
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.437	5.440	(1.098)	15553	2.54476	0.5090
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77139.D

Date : 28-JUN-2004 00:11

Client ID: SEWER G/061704

Instrument: a3ux7.i

Sample Info: GJLTW1AA,5ML/5ML

Operator: 1903

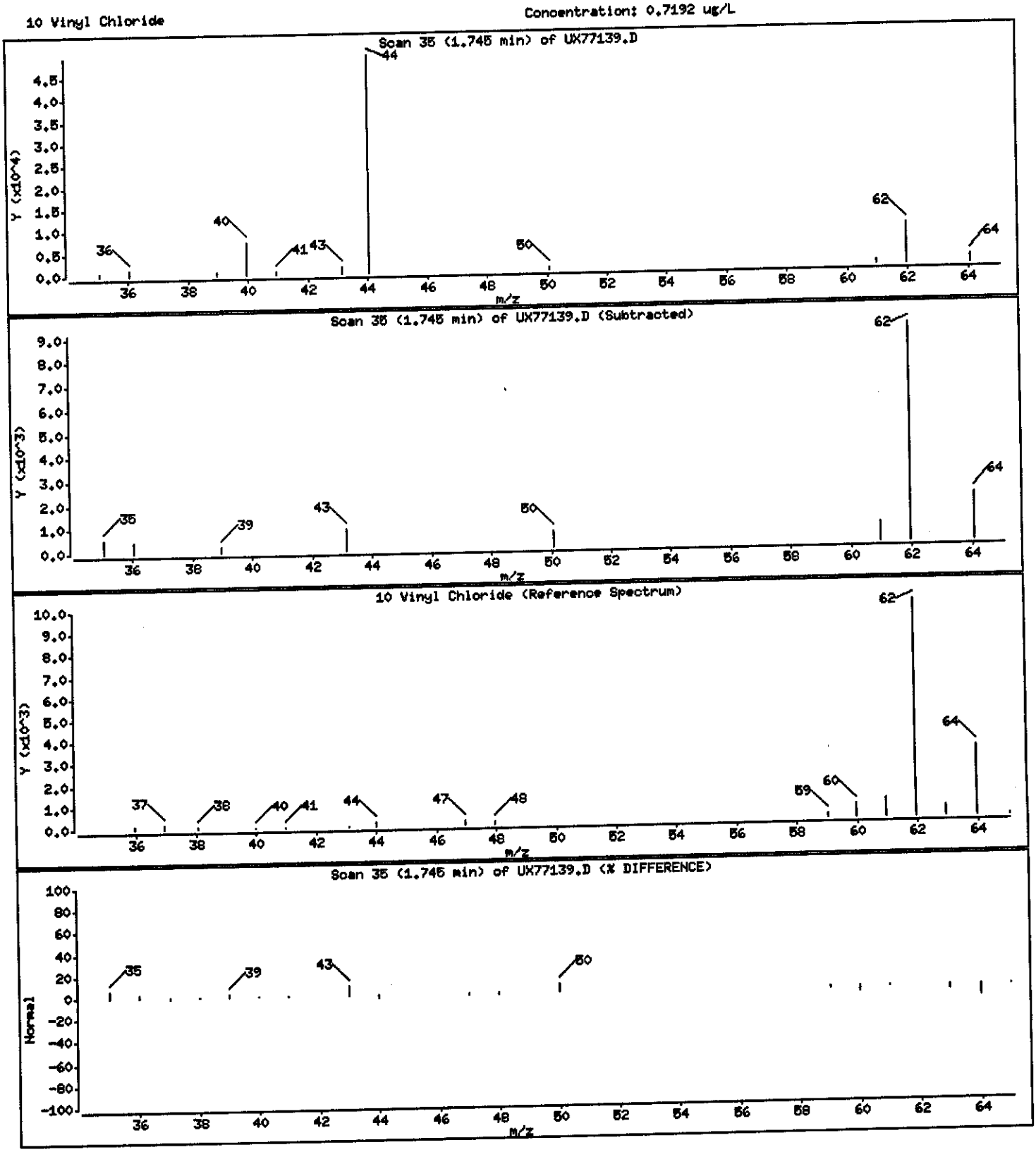
Purge Volume: 5.0

Column phase: DB624 20m

Column diameter: 0.18

Concentration: 0.7192 ug/L

10 Vinyl Chloride



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77139.D

Date : 28-JUN-2004 00:11

Client ID: SEWER G/061704

Instrument: a3ux7.i

Sample Info: GJLTW1AA,5ML/5ML

Purge Volume: 5.0

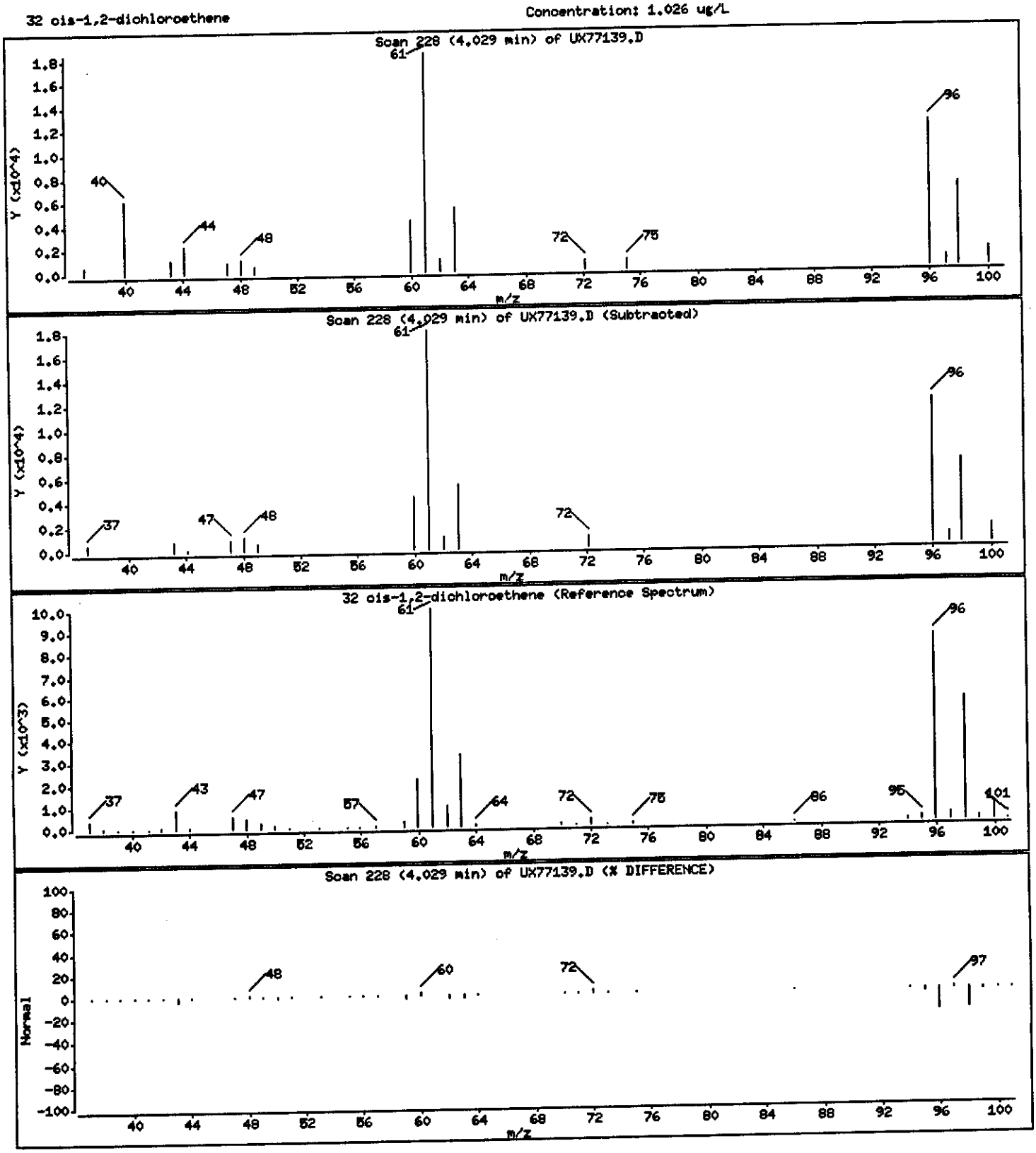
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

32 cis-1,2-dichloroethene

Concentration: 1.026 ug/L



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Date : 28-JUN-2004 00:11

Client ID: SEWER G/061704

Instrument: a3ux7.i

Sample Info: GJLTW1AA,5ML/5ML

Purge Volume: 5.0

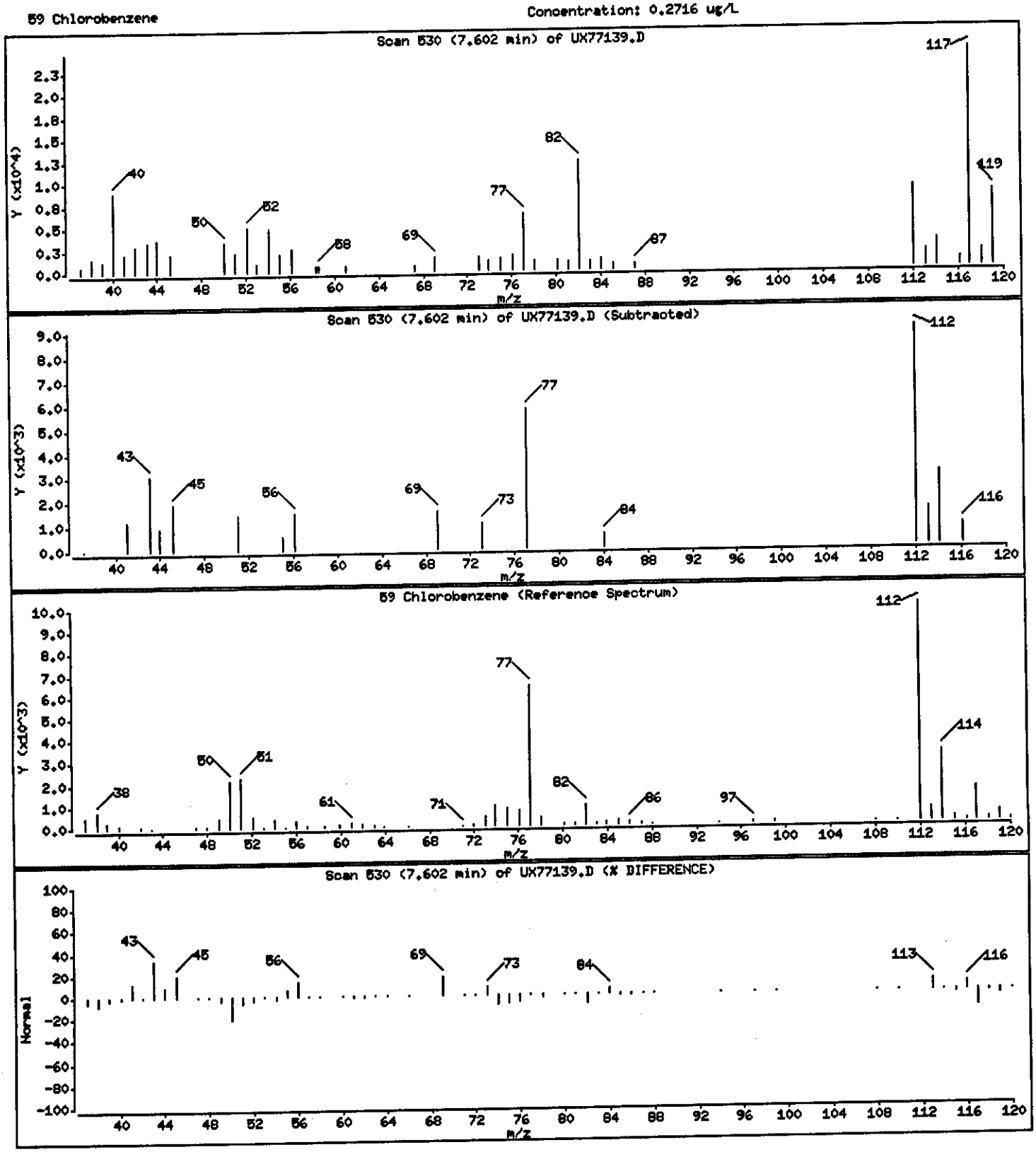
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

59 Chlorobenzene

Concentration: 0.2716 ug/L



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Date : 28-JUN-2004 00:11

Client ID: SEWER G/061704

Instrument: a3ux7.i

Sample Info: GJLTW1AA,5ML/5ML

Purge Volume: 5.0

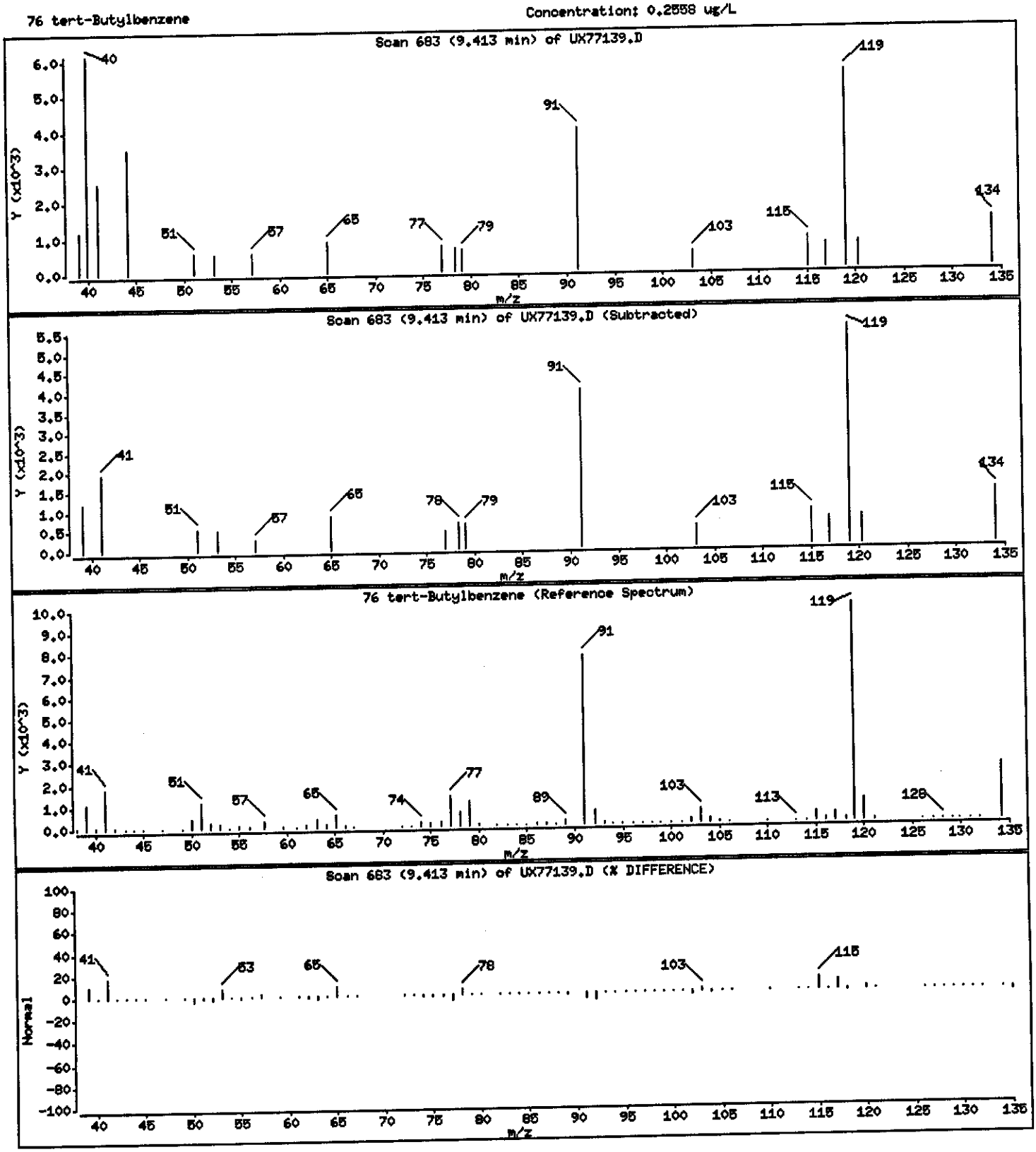
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

76 tert-Butylbenzene

Concentration: 0.2558 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77139.D

Date : 28-JUN-2004 00:11

Client ID: SEWER G/061704

Instrument: a3ux7.i

Sample Info: GJLTW1AA,5ML/5ML

Purge Volume: 5.0

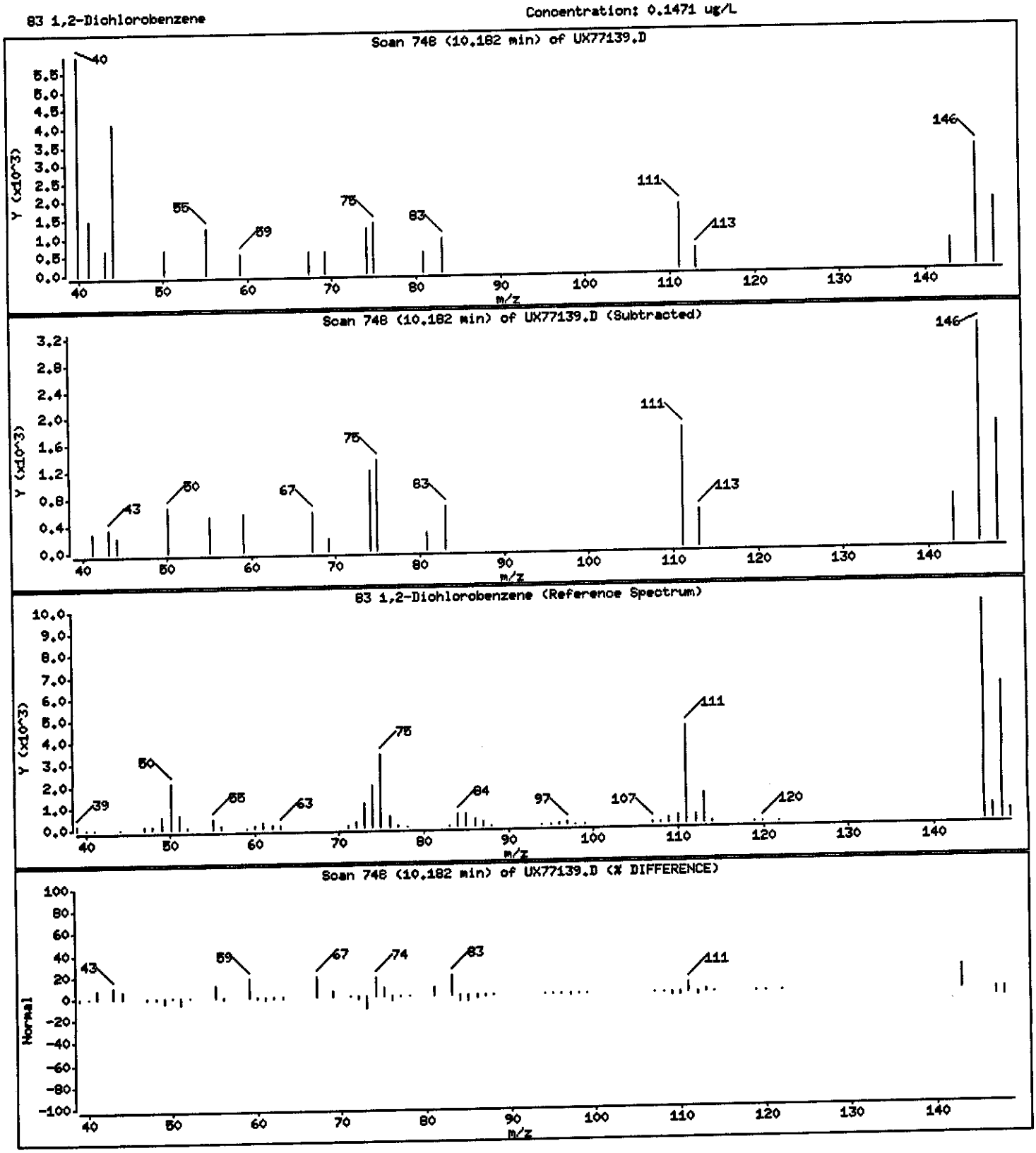
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

83 1,2-Dichlorobenzene

Concentration: 0.1471 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77139.D

Date : 28-JUN-2004 00:11

Client ID: SEWER G/061704

Instrument: a3ux7.i

Sample Info: GJLTW1AA,5ML/5ML

Purge Volume: 5.0

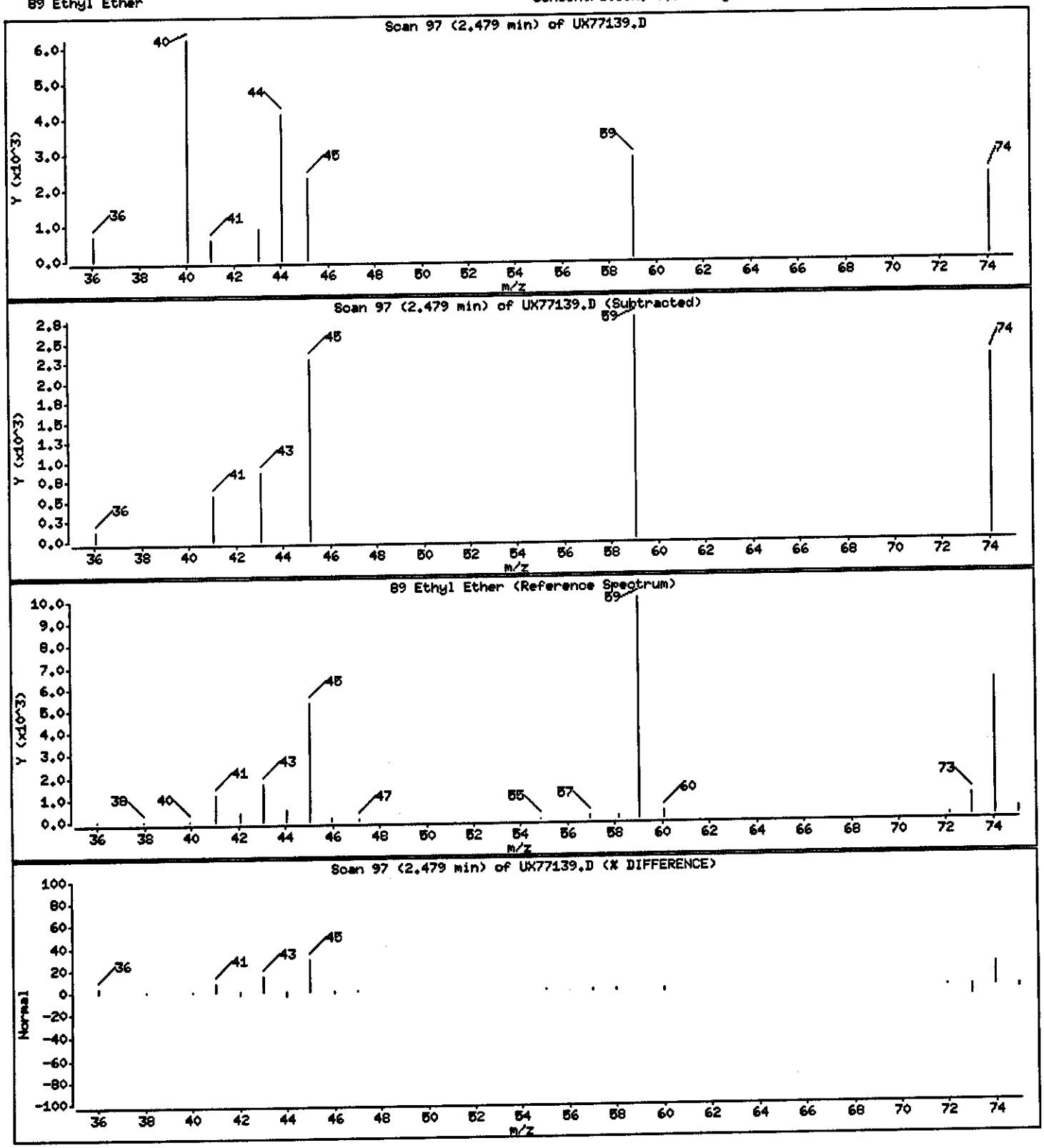
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

89 Ethyl Ether

Concentration: 0.3485 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77139.D

Date : 28-JUN-2004 00:11

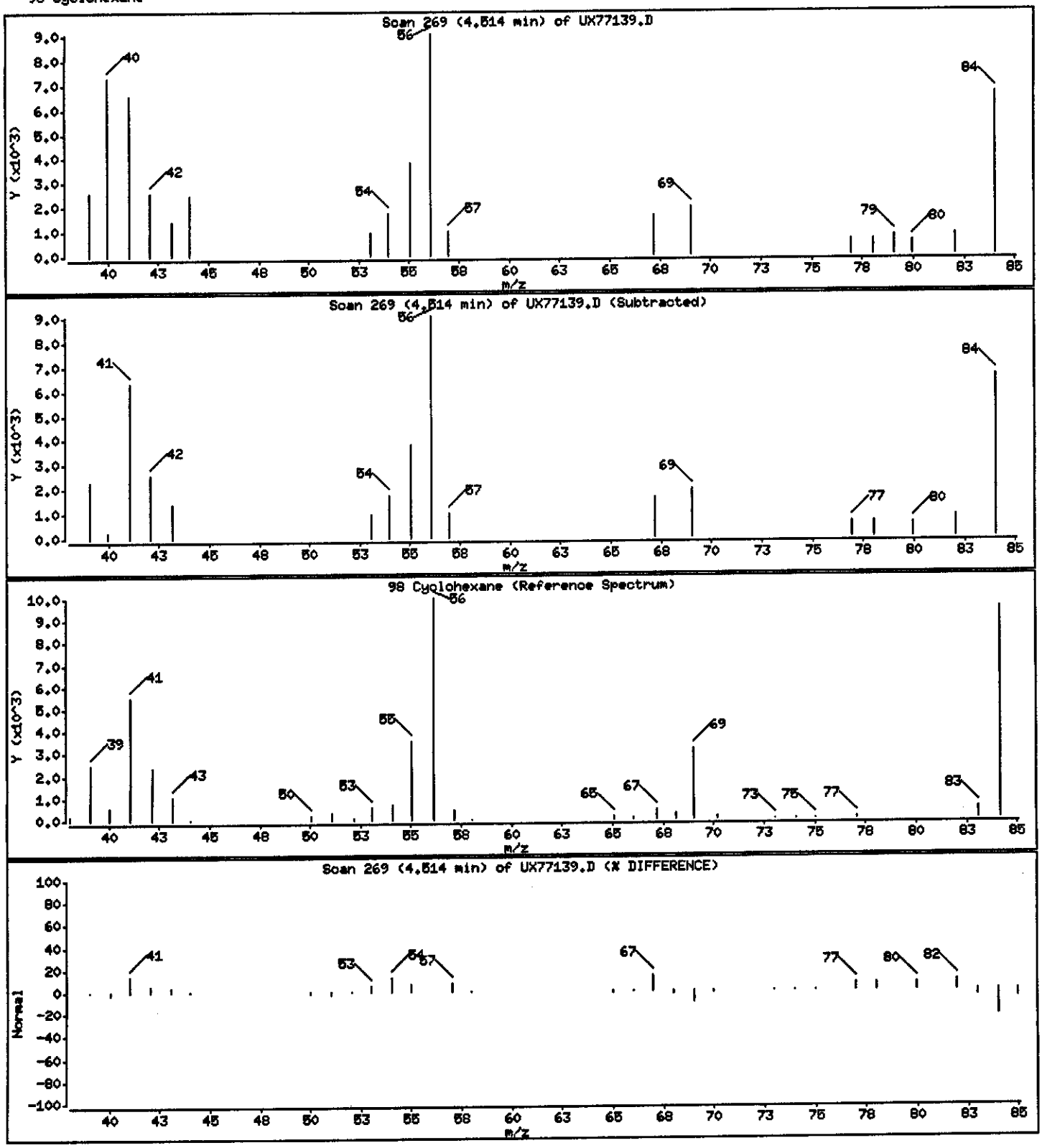
Client ID: SEWER G/061704 | Instrument: a3ux7.i

Sample Info: GJLTW1AA,5ML/5ML

Purge Volume: 5.0 | Operator: 1903

Column phase: DB624 20m | Column diameter: 0.18

98 Cyclohexane | Concentration: 0.7254 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77139.D

Date : 28-JUN-2004 00:11

Client ID: SEWER G/061704

Instrument: a3ux7.i

Sample Info: GJLTW1AA,5ML/5ML

Purge Volume: 5.0

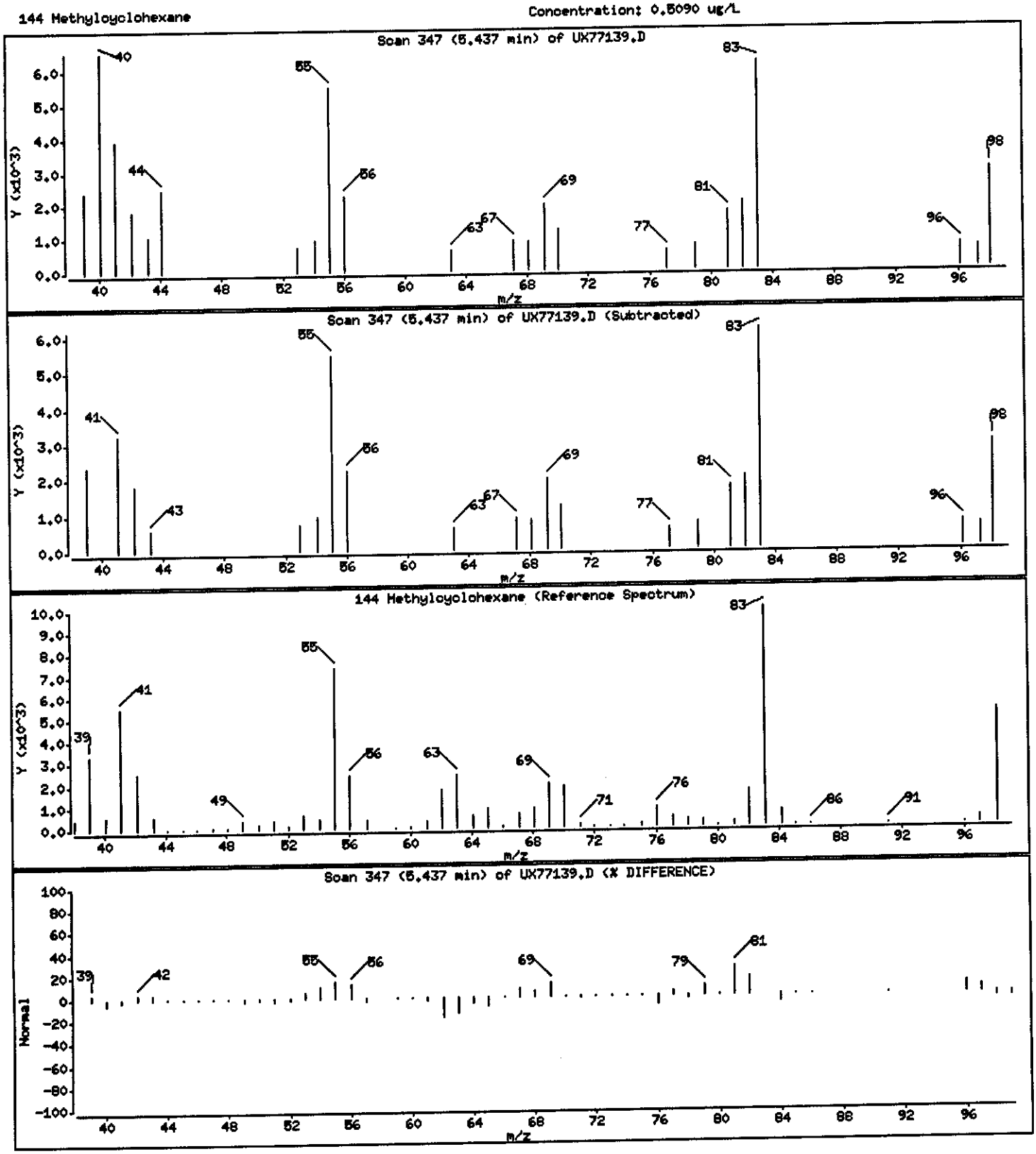
Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

144 Methylcyclohexane

Concentration: 0.5090 ug/L



SEVERN TRENT STL

STANDARD DATA

Report Date: 02-Jun-2004 14:53

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Start Cal Date: 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
21-APR-2004 09:38	3-IX	UX74908.D
02-JUN-2004 12:14	1-8260	UX76306.D
Cal Level: 2 , Cal Amount: 10.000		
21-APR-2004 10:02	3-IX	UX74909.D
02-JUN-2004 12:38	1-8260	UX76307.D
Cal Level: 3 , Cal Amount: 25.000		
21-APR-2004 10:26	3-IX	UX74910.D
02-JUN-2004 13:01	1-8260	UX76308.D
Cal Level: 4 , Cal Amount: 50.000		
21-APR-2004 10:50	3-IX	UX74911.D
02-JUN-2004 13:25	1-8260	UX76309.D
Cal Level: 5 , Cal Amount: 100.00		
21-APR-2004 11:13	3-IX	UX74912.D
02-JUN-2004 13:48	1-8260	UX76310.D
Cal Level: 6 , Cal Amount: 200.00		
21-APR-2004 11:55	3-IX	UX74913.D
02-JUN-2004 14:12	1-8260	UX76311.D

Continuing Calibration

02-JUN-2004 13:25	1-8260	UX76309.D

Report Date : 02-Jun-2004 14:53

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 tapsvc
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74908.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74909.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74910.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74911.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74912.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74913.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	0.29598	0.19778	0.24496	0.27837	0.29272	0.28465	0.26574	14.290
	9 Chloromethane	0.53770	0.48273	0.45108	0.45618	0.47127	0.44524	0.47403	7.192
	10 Vinyl Chloride	0.48539	0.39811	0.38668	0.41079	0.41321	0.40149	0.41595	8.494
	11 Bromomethane	0.29174	0.24034	0.21861	0.22004	0.19970	0.17257	0.22383	18.022
	12 Chloroethane	0.31541	0.25282	0.24720	0.24438	0.23099	0.20353	0.24906	14.852
	13 Trichlorofluoromethane	0.41993	0.30470	0.35790	0.39980	0.39784	0.38619	0.37773	10.896
	14 Dichlorofluoromethane	0.48012	0.50777	0.49292	0.43907	0.44129	0.47032	0.47191	5.852
	15 Acrolein	0.06009	0.05582	0.05578	0.05430	0.05558	0.05369	0.05588	4.008
	16 Acetone	0.22368	0.17828	0.16074	0.15188	0.14754	0.14404	0.16769	17.912
	17 1,1-Dichloroethene	0.23455	0.23771	0.23517	0.23068	0.24044	0.23400	0.23542	1.418
	18 Freon-113	0.16553	0.17440	0.16303	0.16457	0.17754	0.17403	0.16985	3.632
	19 Iodomethane	0.41069	0.39543	0.38623	0.36636	0.37704	0.37519	0.38516	4.150
	20 Carbon Disulfide	0.93940	0.89693	0.90094	0.85843	0.88916	0.87854	0.89390	3.021
	21 Methylene Chloride	0.60380	0.44646	0.34854	0.31714	0.30289	0.29098	0.38497	31.423
	22 Acetonitrile	0.04600	0.04016	0.03959	0.03889	0.03894	0.03821	0.04030	7.130
	23 Acrylonitrile	0.12501	0.12044	0.12114	0.11926	0.12204	0.12164	0.12159	1.598
	24 Methyl tert-butyl ether	0.80936	0.81958	0.82494	0.81682	0.85022	0.87242	0.83222	2.900
	25 trans-1,2-Dichloroethene	0.28558	0.29860	0.28485	0.26934	0.27559	0.27284	0.28113	3.822
	26 Hexane	0.03005	0.03646	0.04415	0.04316	0.04833	0.04800	0.04169	17.125
	27 Vinyl acetate	0.51403	0.52525	0.53603	0.58493	0.62674	0.65572	0.57378	10.160
	28 1,1-Dichloroethane	0.53045	0.52386	0.51198	0.48808	0.49760	0.49337	0.50756	3.400
	29 tert-Butyl Alcohol	0.01671	0.01622	0.01787	0.01783	0.01964	0.02028	0.01809	8.813
	30 2-Butanone	0.18691	0.18154	0.17625	0.17774	0.18570	0.18568	0.18230	2.480
M	31 1,2-Dichloroethene (total)	0.28570	0.29303	0.28687	0.27368	0.28273	0.27966	0.28361	2.332
	32 cis-1,2-dichloroethene	0.28580	0.28747	0.28890	0.27803	0.28987	0.28648	0.28609	1.478

Report Date : 02-Jun-2004 14:53

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 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	0.33189	0.31227	0.31605	0.30951	0.32552	0.32887	0.32068	2.902	
	34 Bromochloromethane	0.15841	0.14590	0.14015	0.13371	0.13596	0.13517	0.14155	6.616	
	35 Chloroform	0.51146	0.48757	0.47667	0.46019	0.46223	0.45929	0.47624	4.314	
	36 Tetrahydrofuran	0.07045	0.07014	0.07799	0.07395	0.08196	0.08122	0.07595	6.868	
	37 1,1,1-Trichloroethane	0.39837	0.39696	0.39145	0.37250	0.38864	0.38985	0.38963	2.374	
	38 1,1-Dichloropropene	0.33656	0.33474	0.34354	0.34859	0.36457	0.36425	0.34871	3.767	
	39 Carbon Tetrachloride	0.31766	0.30890	0.32340	0.31183	0.32938	0.32630	0.31958	2.555	
	40 1,2-Dichloroethane	0.39478	0.39576	0.39493	0.36630	0.37076	0.36641	0.38149	3.948	
	41 Benzene	1.23432	1.17945	1.19060	1.13882	1.17781	1.17466	1.18261	2.607	
	42 Trichloroethene	0.28872	0.28622	0.27934	0.26775	0.27661	0.27584	0.27908	2.724	
	43 1,2-Dichloropropane	0.31766	0.29768	0.28503	0.27978	0.28712	0.29108	0.29306	4.595	
	44 1,4-Dioxane	0.00200	0.00218	0.00229	0.00239	0.00259	0.00265	0.00235	10.556	<-
	45 Dibromomethane	0.17135	0.16764	0.15679	0.15156	0.15450	0.15257	0.15907	5.251	
	46 Bromodichloromethane	0.37269	0.36867	0.36499	0.35124	0.35802	0.35779	0.36223	2.197	
	47 2-Chloroethyl vinyl ether	0.13686	0.14111	0.15961	0.16942	0.18668	0.19380	0.16458	14.144	
	48 cis-1,3-Dichloropropene	0.40439	0.41899	0.41951	0.41900	0.43972	0.45121	0.42547	3.974	
	49 4-Methyl-2-pentanone	0.24825	0.23863	0.26398	0.28332	0.30015	0.30813	0.27374	10.268	
	50 Toluene	1.32924	1.38969	1.46998	1.43028	1.47358	1.44307	1.42264	3.866	
	51 trans-1,3-Dichloropropene	0.42264	0.45013	0.45604	0.45401	0.47786	0.48608	0.45779	4.898	
	52 Ethyl Methacrylate	0.33058	0.36266	0.40661	0.42693	0.47632	0.48076	0.41398	14.557	
	53 1,1,2-Trichloroethane	0.32631	0.31989	0.31427	0.29814	0.29888	0.29025	0.30795	4.618	
	54 1,3-Dichloropropane	0.55737	0.55602	0.56215	0.53760	0.55319	0.53920	0.55092	1.840	
	55 Tetrachloroethene	0.25820	0.24951	0.24663	0.24071	0.24403	0.23892	0.24633	2.829	
	56 2-Hexanone	0.24640	0.24062	0.28473	0.30157	0.31494	0.31939	0.28461	11.979	
	57 Dibromochloromethane	0.31496	0.32496	0.32346	0.30987	0.32225	0.31042	0.31765	2.127	
	58 1,2-Dibromoethane	0.30144	0.29008	0.29698	0.29096	0.29551	0.29136	0.29439	1.497	
	59 Chlorobenzene	0.91778	0.91121	0.89349	0.86173	0.88610	0.86997	0.89005	2.487	
	60 1,1,1,2-Tetrachloroethane	0.30615	0.33018	0.33114	0.31117	0.31970	0.31137	0.31828	3.308	
	61 Ethylbenzene	0.39692	0.41906	0.44111	0.44198	0.46130	0.46256	0.43716	5.799	
	62 m + p-Xylene	0.48525	0.50644	0.56643	0.56172	0.58912	0.57504	0.54733	7.582	
M	63 Xylenes (total)	0.46759	0.50391	0.55492	0.55648	0.58243	0.56901	0.53906	8.161	
	64 Xylene-o	0.43225	0.49884	0.53190	0.54601	0.56905	0.55694	0.52250	9.645	
	65 Styrene	0.73983	0.87078	0.96373	0.99181	1.04078	1.03123	0.93969	12.281	

Report Date : 02-Jun-2004 14:53

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 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	0.19649	0.21527	0.21863	0.20935	0.21518	0.21592	0.21181	3.821	
67 Isopropylbenzene	0.89493	0.95932	1.07157	1.10729	1.20566	1.22819	1.07783	12.263	
68 1,1,2,2-Tetrachloroethane	0.86569	0.81957	0.79202	0.78867	0.77671	0.78146	0.80402	4.192	
69 1,4-Dichloro-2-butene	0.17818	0.21467	0.20227	0.20908	0.23255	0.23625	0.21217	10.030	
70 1,2,3-Trichloropropane	0.25818	0.26983	0.26657	0.25232	0.24922	0.25176	0.25798	3.296	
71 Bromobenzene	0.71849	0.74826	0.69595	0.70701	0.72542	0.72083	0.71933	2.467	
72 n-Propylbenzene	0.47201	0.53353	0.57637	0.60724	0.64401	0.65829	0.58191	12.098	
73 2-Chlorotoluene	0.50640	0.58721	0.58682	0.58834	0.60365	0.61198	0.58074	6.518	
74 1,3,5-Trimethylbenzene	1.49010	1.63393	1.82456	1.92415	2.01084	2.07640	1.82667	12.393	
75 4-Chlorotoluene	0.55398	0.59778	0.63128	0.62800	0.62651	0.64096	0.61309	5.279	
76 tert-Butylbenzene	1.14876	1.24793	1.37471	1.44679	1.60061	1.66293	1.41362	14.054	
77 1,2,4-Trimethylbenzene	1.52472	1.72146	1.93485	2.02621	2.10824	2.16168	1.91286	12.820	
78 sec-Butylbenzene	1.71321	1.84627	1.99092	2.10440	2.28150	2.37669	2.05217	12.360	
79 4-Isopropyltoluene	1.35186	1.47761	1.66869	1.76873	1.87448	1.97969	1.68684	14.128	
80 1,3-Dichlorobenzene	1.19910	1.26326	1.19624	1.19032	1.19242	1.21659	1.20965	2.304	
81 1,4-Dichlorobenzene	1.30668	1.36193	1.25898	1.25961	1.25832	1.26496	1.28508	3.269	
82 n-Butylbenzene	1.24614	1.31237	1.40955	1.50126	1.64064	1.72696	1.47282	12.691	
83 1,2-Dichlorobenzene	1.22249	1.21495	1.24076	1.20907	1.21318	1.21531	1.21929	0.933	
84 1,2-Dibromo-3-chloropropane	0.14777	0.15195	0.15208	0.14465	0.15802	0.16363	0.15302	4.501	
85 1,2,4-Trichlorobenzene	0.50679	0.56561	0.57156	0.62206	0.66172	0.71147	0.60653	12.148	
86 Hexachlorobutadiene	0.34091	0.31245	0.30387	0.30953	0.32351	0.33268	0.32049	4.491	
87 Naphthalene	1.03428	1.08255	1.34610	1.63529	1.94589	2.14647	1.53176	29.829	
88 1,2,3-Trichlorobenzene	0.48001	0.50016	0.57595	0.59804	0.64359	0.66895	0.57778	13.099	
89 Ethyl Ether	0.25714	0.24726	0.24745	0.22663	0.22945	0.22850	0.23941	5.356	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91 3-Chloropropene	0.14700	0.14300	0.13735	0.12341	0.12749	0.13547	0.13562	6.614	
92 Isopropyl Ether	0.25082	0.24256	0.23798	0.22338	0.22392	0.23110	0.23496	4.621	
93 2-Chloro-1,3-butadiene	0.48219	0.47249	0.47505	0.42659	0.42726	0.45455	0.45636	5.379	
94 Propionitrile	0.03954	0.04256	0.04022	0.04111	0.04142	0.04145	0.04105	2.564	
95 Ethyl Acetate	0.28130	0.27456	0.27078	0.26254	0.27902	0.28993	0.27636	3.398	
96 Methacrylonitrile	0.21219	0.20211	0.19249	0.19387	0.19484	0.20244	0.19966	3.741	
97 Isobutanol	0.00666	0.00728	0.00764	0.00827	0.00914	0.01021	0.00820	15.857	<-
98 Cyclohexane	0.35580	0.33414	0.35648	0.38024	0.42095	0.43496	0.38043	10.474	

Report Date : 02-Jun-2004 14:53

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 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	0.00309	0.00300	0.00403	0.00459	0.00526	0.00613	0.00435	28.273	<-
100 Methyl Methacrylate	0.22836	0.24184	0.24368	0.23215	0.25893	0.27191	0.24614	6.711	
101 2-Nitropropane	0.08590	0.07707	0.07857	0.07350	0.07651	0.08052	0.07868	5.383	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	0.01623	0.01660	0.01710	0.01760	0.02137	0.02186	0.01846	13.496	
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	0.67396	0.69200	0.65052	0.70373	0.73513	0.75796	0.70222	5.613	
143 Methyl Acetate	0.22729	0.22534	0.21931	0.20758	0.21482	0.21547	0.21830	3.344	
144 Methylcyclohexane	0.25730	0.24656	0.27346	0.28793	0.32914	0.33640	0.28847	12.882	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	0.02545	0.01550	0.04300	0.22659	0.54044	0.77559	0.27110	117.432	<-
$ 4 Dibromofluoromethane	0.19986	0.21928	0.23604	0.22954	0.23582	0.23324	0.22563	6.235	
$ 5 1,2-Dichloroethane-d4	0.28354	0.30609	0.33017	0.31067	0.31743	0.31628	0.31070	5.016	
$ 6 Toluene-d8	0.86218	1.02163	1.17834	1.18786	1.21348	1.21326	1.11279	12.790	
$ 7 Bromofluorobenzene	0.32188	0.34208	0.40706	0.40310	0.42464	0.42650	0.38754	11.479	

Report Date : 02-Jun-2004 14:57

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 tapsvc

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74908.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74909.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74910.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74911.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74912.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74913.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	0.29598	0.19778	0.24496	0.27837	0.29272	0.28465	AVRG		0.26574		14.29028
9 Chloromethane	0.53770	0.48273	0.45108	0.45618	0.47127	0.44524	AVRG		0.47403		7.19246
10 Vinyl Chloride	0.48539	0.39811	0.38668	0.41079	0.41321	0.40149	AVRG		0.41595		8.49359
11 Bromomethane	33000	54412	124888	252765	465196	829921	QUAD	0.00206	3.98174	2.61589	0.99986
12 Chloroethane	0.31541	0.25282	0.24720	0.24438	0.23099	0.20353	AVRG		0.24906		14.85246
13 Trichlorofluoromethane	0.41993	0.30470	0.35790	0.39980	0.39784	0.38619	AVRG		0.37773		10.89614
14 Dichlorofluoromethane	0.48012	0.50777	0.49292	0.43907	0.44129	0.47032	AVRG		0.47191		5.85215
15 Acrolein	0.06009	0.05582	0.05578	0.05430	0.05558	0.05369	AVRG		0.05588		4.00808
16 Acetone	50603	80726	183664	348927	687392	1385427	QUAD	-0.10096	6.86513	0.14315	1.00000

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 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	0.23455	0.23771	0.23517	0.23068	0.24044	0.23400	AVRG		0.23542		1.41808
	18 Freon-113	0.16553	0.17440	0.16303	0.16457	0.17754	0.17403	AVRG		0.16985		3.63249
	19 Iodomethane	0.41069	0.39543	0.38623	0.36636	0.37704	0.37519	AVRG		0.38516		4.14953
	20 Carbon Disulfide	0.93940	0.89693	0.90094	0.85843	0.88916	0.87854	AVRG		0.89390		3.02076
	21 Methylene Chloride	68297	101077	199121	364306	705589	1399377	QUAD	-0.10517	3.43993	0.07404	0.99999
	22 Acetonitrile	0.04600	0.04016	0.03959	0.03889	0.03894	0.03821	AVRG		0.04030		7.12961
	23 Acrylonitrile	0.12501	0.12044	0.12114	0.11926	0.12204	0.12164	AVRG		0.12159		1.59836
	24 Methyl tert-butyl ether	0.80936	0.81958	0.82494	0.81682	0.85022	0.87242	AVRG		0.83222		2.90012
	25 trans-1,2-Dichloroethene	0.28558	0.29860	0.28485	0.26934	0.27559	0.27284	AVRG		0.28113		3.82180
	26 Hexane	3399	8255	25224	49582	112582	230820	QUAD	0.05539	20.48863	0.12713	0.99952
	27 Vinyl acetate	0.51403	0.52525	0.53603	0.58493	0.62674	0.65572	AVRG		0.57378		10.16048
	28 1,1-Dichloroethane	0.53045	0.52386	0.51198	0.48808	0.49760	0.49337	AVRG		0.50756		3.40044
	29 tert-Butyl Alcohol	0.01671	0.01622	0.01787	0.01783	0.01964	0.02028	AVRG		0.01809		8.81323
	30 2-Butanone	0.18691	0.18154	0.17625	0.17774	0.18570	0.18568	AVRG		0.18230		2.48027
M	31 1,2-Dichloroethene (total)	0.28570	0.29303	0.28687	0.27368	0.28273	0.27966	AVRG		0.28361		2.33202
	32 cis-1,2-dichloroethene	0.28580	0.28747	0.28890	0.27803	0.28987	0.28648	AVRG		0.28609		1.47769
	33 2,2-Dichloropropane	0.33189	0.31227	0.31605	0.30951	0.32552	0.32887	AVRG		0.32068		2.90244

Report Date : 02-Jun-2004 14:57

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 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	0.15841	0.14590	0.14015	0.13371	0.13596	0.13517	AVRG		0.14155		6.61558
35 Chloroform	0.51146	0.48757	0.47667	0.46019	0.46223	0.45929	AVRG		0.47624		4.31379
36 Tetrahydrofuran	0.07045	0.07014	0.07799	0.07395	0.08196	0.08122	AVRG		0.07595		6.86799
37 1,1,1-Trichloroethane	0.39837	0.39696	0.39145	0.37250	0.38864	0.38985	AVRG		0.38963		2.37446
38 1,1-Dichloropropene	0.33656	0.33474	0.34354	0.34859	0.36457	0.36425	AVRG		0.34871		3.76655
39 Carbon Tetrachloride	0.31766	0.30890	0.32340	0.31183	0.32938	0.32630	AVRG		0.31958		2.55542
40 1,2-Dichloroethane	0.39478	0.39576	0.39493	0.36630	0.37076	0.36641	AVRG		0.38149		3.94783
41 Benzene	1.23432	1.17945	1.19060	1.13882	1.17781	1.17466	AVRG		1.18261		2.60680
42 Trichloroethene	0.28872	0.28622	0.27934	0.26775	0.27661	0.27584	AVRG		0.27908		2.72366
43 1,2-Dichloropropane	0.31766	0.29768	0.28503	0.27978	0.28712	0.29108	AVRG		0.29306		4.59459
44 1,4-Dioxane	0.00200	0.00218	0.00229	0.00239	0.00259	0.00265	AVRG		0.00235		10.55633 <-
45 Dibromomethane	0.17135	0.16764	0.15679	0.15156	0.15450	0.15257	AVRG		0.15907		5.25148
46 Bromodichloromethane	0.37269	0.36867	0.36499	0.35124	0.35802	0.35779	AVRG		0.36223		2.19694
47 2-Chloroethyl vinyl ether	0.13686	0.14111	0.15961	0.16942	0.18668	0.19380	AVRG		0.16458		14.14353
48 cis-1,3-Dichloropropene	0.40439	0.41899	0.41951	0.41900	0.43972	0.45121	AVRG		0.42547		3.97424
49 4-Methyl-2-pentanone	0.24825	0.23863	0.26398	0.28332	0.30015	0.30813	AVRG		0.27374		10.26805
50 Toluene	1.32924	1.38969	1.46998	1.43028	1.47358	1.44307	AVRG		1.42264		3.86569

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 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	0.42264	0.45013	0.45604	0.45401	0.47786	0.48608	AVRG		0.45779		4.89820
	52 Ethyl Methacrylate	0.33058	0.36266	0.40661	0.42693	0.47632	0.48076	AVRG		0.41398		14.55657
	53 1,1,2-Trichloroethane	0.32631	0.31989	0.31427	0.29814	0.29888	0.29025	AVRG		0.30795		4.61833
	54 1,3-Dichloropropane	0.55737	0.55602	0.56215	0.53760	0.55319	0.53920	AVRG		0.55092		1.83968
	55 Tetrachloroethene	0.25820	0.24951	0.24663	0.24071	0.24403	0.23892	AVRG		0.24633		2.82946
	56 2-Hexanone	0.24640	0.24062	0.28473	0.30157	0.31494	0.31939	AVRG		0.28461		11.97919
	57 Dibromochloromethane	0.31496	0.32496	0.32346	0.30987	0.32225	0.31042	AVRG		0.31765		2.12703
	58 1,2-Dibromoethane	0.30144	0.29008	0.29698	0.29096	0.29551	0.29136	AVRG		0.29439		1.49709
	59 Chlorobenzene	0.91778	0.91121	0.89349	0.86173	0.88610	0.86997	AVRG		0.89005		2.48673
	60 1,1,1,2-Tetrachloroethane	0.30615	0.33018	0.33114	0.31117	0.31970	0.31137	AVRG		0.31828		3.30835
	61 Ethylbenzene	0.39692	0.41906	0.44111	0.44198	0.46130	0.46256	AVRG		0.43716		5.79928
	62 m + p-Xylene	0.48525	0.50644	0.56643	0.56172	0.58912	0.57504	AVRG		0.54733		7.58227
M	63 Xylenes (total)	0.46759	0.50391	0.55492	0.55648	0.58243	0.56901	AVRG		0.53906		8.16121
	64 Xylene-o	0.43225	0.49884	0.53190	0.54601	0.56905	0.55694	AVRG		0.52250		9.64525
	65 Styrene	0.73983	0.87078	0.96373	0.99181	1.04078	1.03123	AVRG		0.93969		12.28074
	66 Bromoform	0.19649	0.21527	0.21863	0.20935	0.21518	0.21592	AVRG		0.21181		3.82103
	67 Isopropylbenzene	0.89493	0.95932	1.07157	1.10729	1.20566	1.22819	AVRG		1.07783		12.26319

Report Date : 02-Jun-2004 14:57

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 tapsvc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
68 1,1,2,2-Tetrachloroethane	0.86569	0.81957	0.79202	0.78867	0.77671	0.78146	AVRG		0.80402		4.19189
69 1,4-Dichloro-2-butene	0.17818	0.21467	0.20227	0.20908	0.23255	0.23625	AVRG		0.21217		10.02977
70 1,2,3-Trichloropropane	0.25818	0.26983	0.26657	0.25232	0.24922	0.25176	AVRG		0.25798		3.29642
71 Bromobenzene	0.71849	0.74826	0.69595	0.70701	0.72542	0.72083	AVRG		0.71933		2.46744
72 n-Propylbenzene	0.47201	0.53353	0.57637	0.60724	0.64401	0.65829	AVRG		0.58191		12.09819
73 2-Chlorotoluene	0.50640	0.58721	0.58682	0.58834	0.60365	0.61198	AVRG		0.58074		6.51773
74 1,3,5-Trimethylbenzene	1.49010	1.63393	1.82456	1.92415	2.01084	2.07640	AVRG		1.82667		12.39258
75 4-Chlorotoluene	0.55398	0.59778	0.63128	0.62800	0.62651	0.64096	AVRG		0.61309		5.27942
76 tert-Butylbenzene	1.14876	1.24793	1.37471	1.44679	1.60061	1.66293	AVRG		1.41362		14.05364
77 1,2,4-Trimethylbenzene	1.52472	1.72146	1.93485	2.02621	2.10824	2.16168	AVRG		1.91286		12.82036
78 sec-Butylbenzene	1.71321	1.84627	1.99092	2.10440	2.28150	2.37669	AVRG		2.05217		12.35976
79 4-Isopropyltoluene	1.35186	1.47761	1.66869	1.76873	1.87448	1.97969	AVRG		1.68684		14.12847
80 1,3-Dichlorobenzene	1.19910	1.26326	1.19624	1.19032	1.19242	1.21659	AVRG		1.20965		2.30393
81 1,4-Dichlorobenzene	1.30668	1.36193	1.25898	1.25961	1.25832	1.26496	AVRG		1.28508		3.26884
82 n-Butylbenzene	1.24614	1.31237	1.40955	1.50126	1.64064	1.72696	AVRG		1.47282		12.69123
83 1,2-Dichlorobenzene	1.22249	1.21495	1.24076	1.20907	1.21318	1.21531	AVRG		1.21929		0.93325
84 1,2-Dibromo-3-chloropropane	0.14777	0.15195	0.15208	0.14465	0.15802	0.16363	AVRG		0.15302		4.50065

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 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	0.50679	0.56561	0.57156	0.62206	0.66172	0.71147	AVRG		0.60653		12.14786	
86 Hexachlorobutadiene	0.34091	0.31245	0.30387	0.30953	0.32351	0.33268	AVRG		0.32049		4.49069	
87 Naphthalene	46042	98335	318161	768122	1887398	4246710	QUAD	0.09533	0.53829	-0.00981	0.99917	
88 1,2,3-Trichlorobenzene	0.48001	0.50016	0.57595	0.59804	0.64359	0.66895	AVRG		0.57778		13.09916	
89 Ethyl Ether	0.25714	0.24726	0.24745	0.22663	0.22945	0.22850	AVRG		0.23941		5.35617	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.14700	0.14300	0.13735	0.12341	0.12749	0.13547	AVRG		0.13562		6.61442	
92 Isopropyl Ether	0.25082	0.24256	0.23798	0.22338	0.22392	0.23110	AVRG		0.23496		4.62052	
93 2-Chloro-1,3-butadiene	0.48219	0.47249	0.47505	0.42659	0.42726	0.45455	AVRG		0.45636		5.37917	
94 Propionitrile	0.03954	0.04256	0.04022	0.04111	0.04142	0.04145	AVRG		0.04105		2.56352	
95 Ethyl Acetate	0.28130	0.27456	0.27078	0.26254	0.27902	0.28993	AVRG		0.27636		3.39785	
96 Methacrylonitrile	0.21219	0.20211	0.19249	0.19387	0.19484	0.20244	AVRG		0.19966		3.74067	
97 Isobutanol	9534	20458	53145	115229	258038	572710	QUAD	0.77634	118	-25.35024	0.99985	<-
98 Cyclohexane	0.35580	0.33414	0.35648	0.38024	0.42095	0.43496	AVRG		0.38043		10.47388	
99 n-Butanol	4415	8430	28048	63925	148458	343575	QUAD	1.45550	204	-90.32473	0.99972	<-
100 Methyl Methacrylate	0.22836	0.24184	0.24368	0.23215	0.25893	0.27191	AVRG		0.24614		6.71105	
101 2-Nitropropane	0.08590	0.07707	0.07857	0.07350	0.07651	0.08052	AVRG		0.07868		5.38276	

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 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	0.01623	0.01660	0.01710	0.01760	0.02137	0.02186	AVRG		0.01846		13.49623	
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	0.67396	0.69200	0.65052	0.70373	0.73513	0.75796	AVRG		0.70222		5.61334	
143 Methyl Acetate	0.22729	0.22534	0.21931	0.20758	0.21482	0.21547	AVRG		0.21830		3.34409	
144 Methylcyclohexane	0.25730	0.24656	0.27346	0.28793	0.32914	0.33640	AVRG		0.28847		12.88243	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	

Report Date : 02-Jun-2004 14:57

STL North Canton

INITIAL CALIBRATION DATA

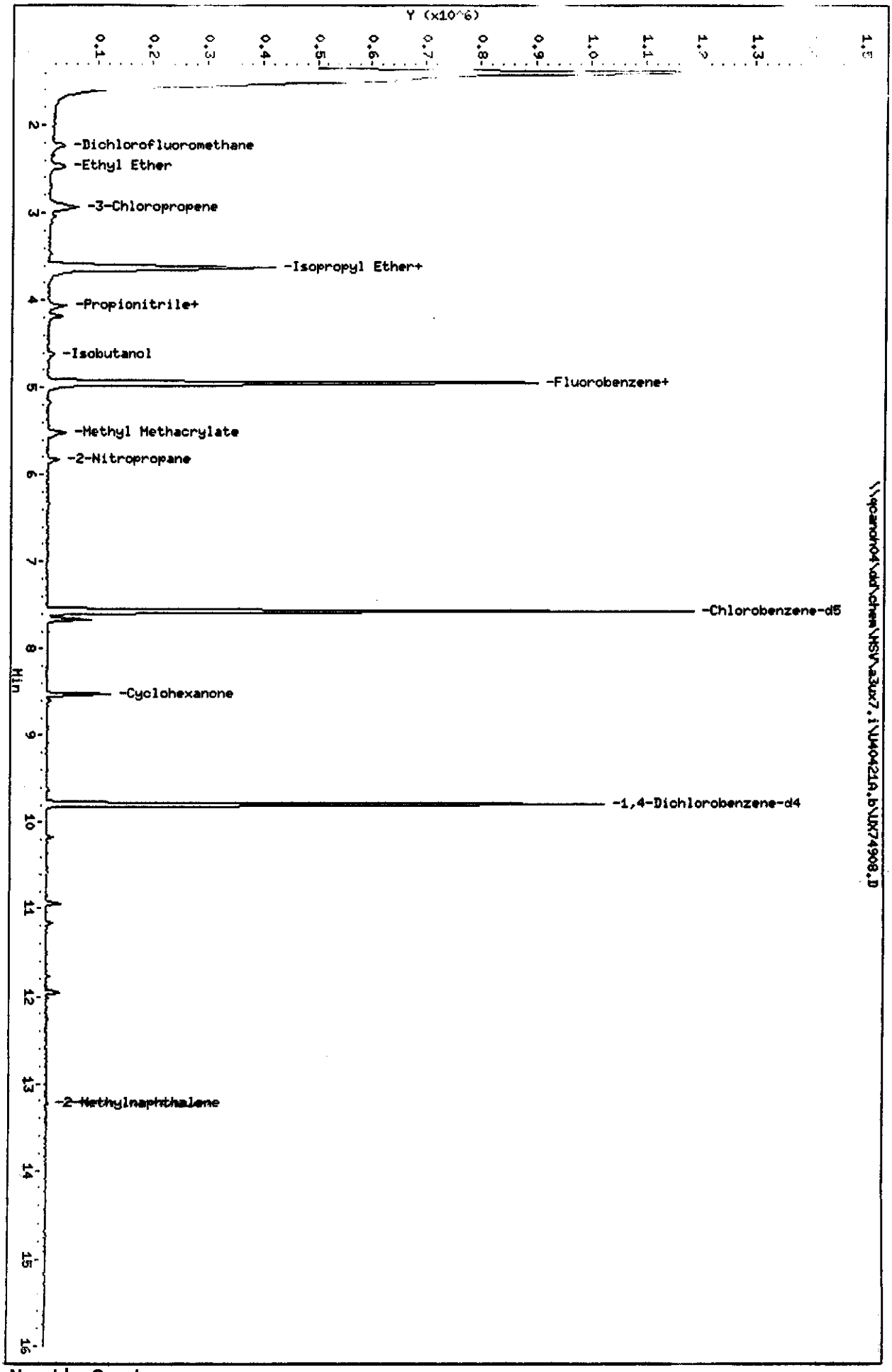
Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 tapsvc

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	0.19986	0.21928	0.23604	0.22954	0.23582	0.23324	AVRG		0.22563		6.23499
$ 5 1,2-Dichloroethane-d4	0.28354	0.30609	0.33017	0.31067	0.31743	0.31628	AVRG		0.31070		5.01586
$ 6 Toluene-d8	0.86218	1.02163	1.17834	1.18786	1.21348	1.21326	AVRG		1.11279		12.78995
$ 7 Bromofluorobenzene	0.32188	0.34208	0.40706	0.40310	0.42464	0.42650	AVRG		0.38754		11.47937

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

Data File: \\qcandh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74908.D
Date : 21-APR-2004 09:38
Client ID:
Sample Info: 5NG89CAL
Purge Volume: 5.0
GC Phase: DB624 20m

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



\\qcandh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74908.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74908.D
Report Date: 22-Apr-2004 11:24

STL North Canton

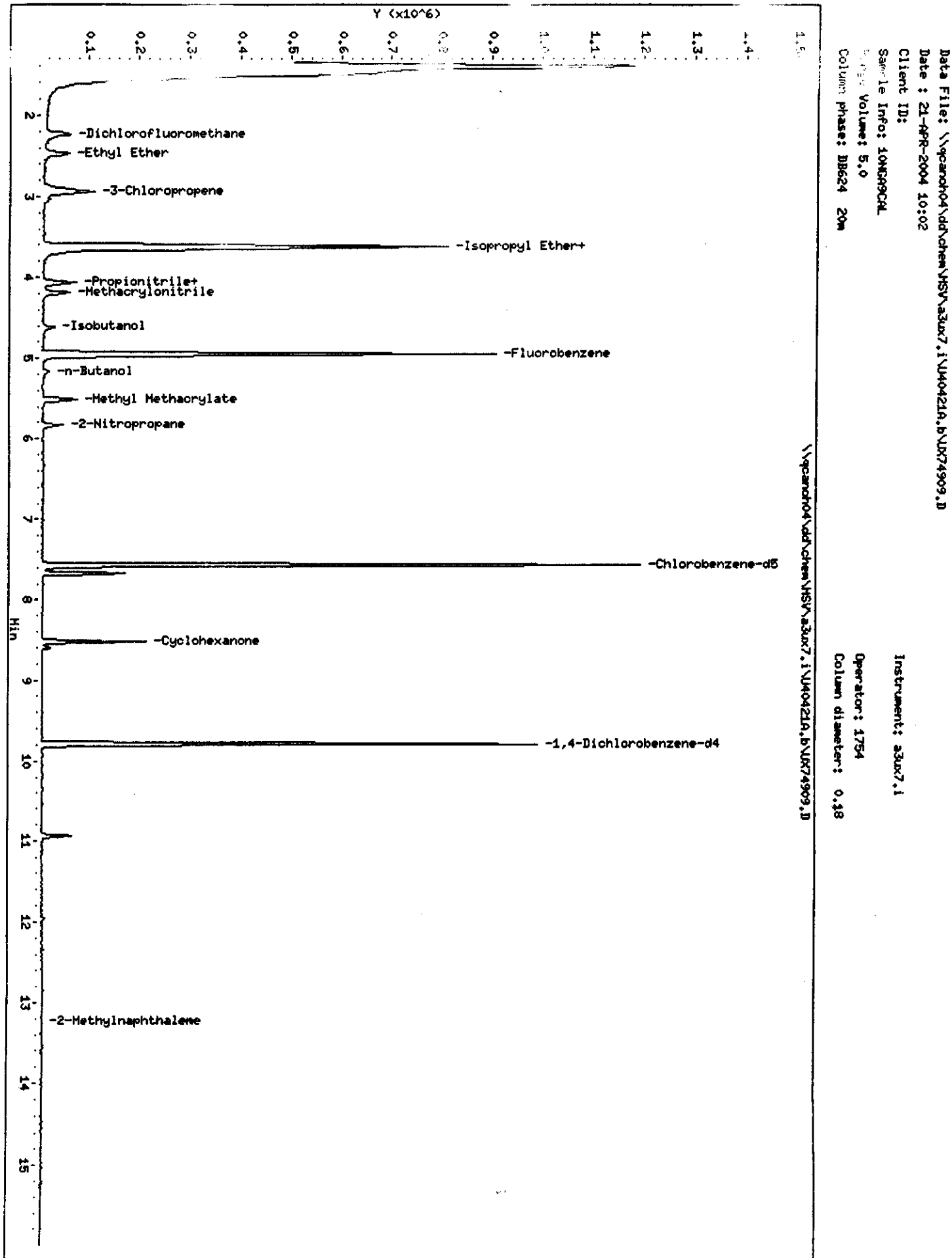
VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74908.D
Lab Smp Id: 5NGA9CAL
Inj Date : 21-APR-2004 09:38
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 5NGA9CAL
Misc Info : U40421A,N8260UX7-3,3-IX.SUB,1754,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\N8260UX7-3.m
Meth Date : 22-Apr-2004 11:24 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 2 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)	995421	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	715380	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	302103	50.0000	
14 Dichlorofluoromethane	67	2.231	2.231	(0.451)	47792	5.00000	5.087
89 Ethyl Ether	59	2.467	2.467	(0.498)	25596	5.00000	5.370
91 3-Chloropropene	76	2.941	2.941	(0.594)	14633	5.00000	5.420
92 Isopropyl Ether	87	3.627	3.627	(0.732)	124836	25.0000	26.688
93 2-Chloro-1,3-butadiene	53	3.651	3.651	(0.737)	47998	5.00000	5.283
94 Propionitrile	54	4.065	4.065	(0.821)	7072	10.0000	9.632
95 Ethyl Acetate	43	4.065	4.065	(0.821)	56003	10.0000	10.179
96 Methacrylonitrile	41	4.183	4.183	(0.845)	21122	5.00000	5.314
97 Isobutanol	41	4.609	4.609	(0.609)	9534	100.000	116.97
99 n-Butanol	56	5.177	5.177	(0.684)	4415	100.000	135.68
100 Methyl Methacrylate	41	5.509	5.509	(1.112)	22731	5.00000	4.639
101 2-Nitropropane	41	5.828	5.828	(1.177)	17101	10.0000	10.918
103 Cyclohexanone	55	8.597	8.597	(0.878)	4903	50.0000	43.963
146 2-Methylnaphthalene	142	13.224	13.224	(1.350)	1538	10.0000	31.976


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40421A.b\UX74909.D
Date : 21-APR-2004 10:02
Client ID:
Sample Info: 10NGA9CAL
Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
\\qcanoh04\dd\chem\HSV\a3ux7.i\U40421A.b\UX74909.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\U40421A.b\UX74909.D
Report Date: 22-Apr-2004 11:25

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74909.D
Lab Smp Id: 10NGA9CAL
Inj Date : 21-APR-2004 10:02
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 10NGA9CAL
Misc Info : U40421A,N8260UX7-3,3-IX.SUB,1754,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\N8260UX7-3.m
Meth Date : 22-Apr-2004 11:25 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 3 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)	995175	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.570	(1.000)	702305	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.795	(1.000)	305216	50.0000	
14 Dichlorofluoromethane	67	2.233	2.233	(0.452)	101064	10.0000	10.760
89 Ethyl Ether	59	2.470	2.470	(0.500)	49214	10.0000	10.328
91 3-Chloropropene	76	2.943	2.943	(0.595)	28463	10.0000	10.544
92 Isopropyl Ether	87	3.618	3.618	(0.732)	241385	50.0000	51.616
93 2-Chloro-1,3-butadiene	53	3.653	3.653	(0.739)	94043	10.0000	10.354
94 Propionitrile	54	4.067	4.067	(0.823)	16940	20.0000	20.733
95 Ethyl Acetate	43	4.067	4.067	(0.823)	109294	20.0000	19.870
96 Methacrylonitrile	41	4.186	4.186	(0.847)	40226	10.0000	10.123
97 Isobutanol	41	4.612	4.612	(0.609)	20458	200.000	209.05(A)
99 n-Butanol	56	5.168	5.168	(0.683)	8430	200.000	194.80
100 Methyl Methacrylate	41	5.511	5.511	(1.115)	48135	10.0000	9.825
101 2-Nitropropane	41	5.831	5.831	(1.180)	30679	20.0000	19.591
103 Cyclohexanone	55	8.599	8.599	(0.878)	10134	100.000	89.941
146 2-Methylnaphthalene	142	13.226	13.226	(1.350)	1892	20.0000	32.080

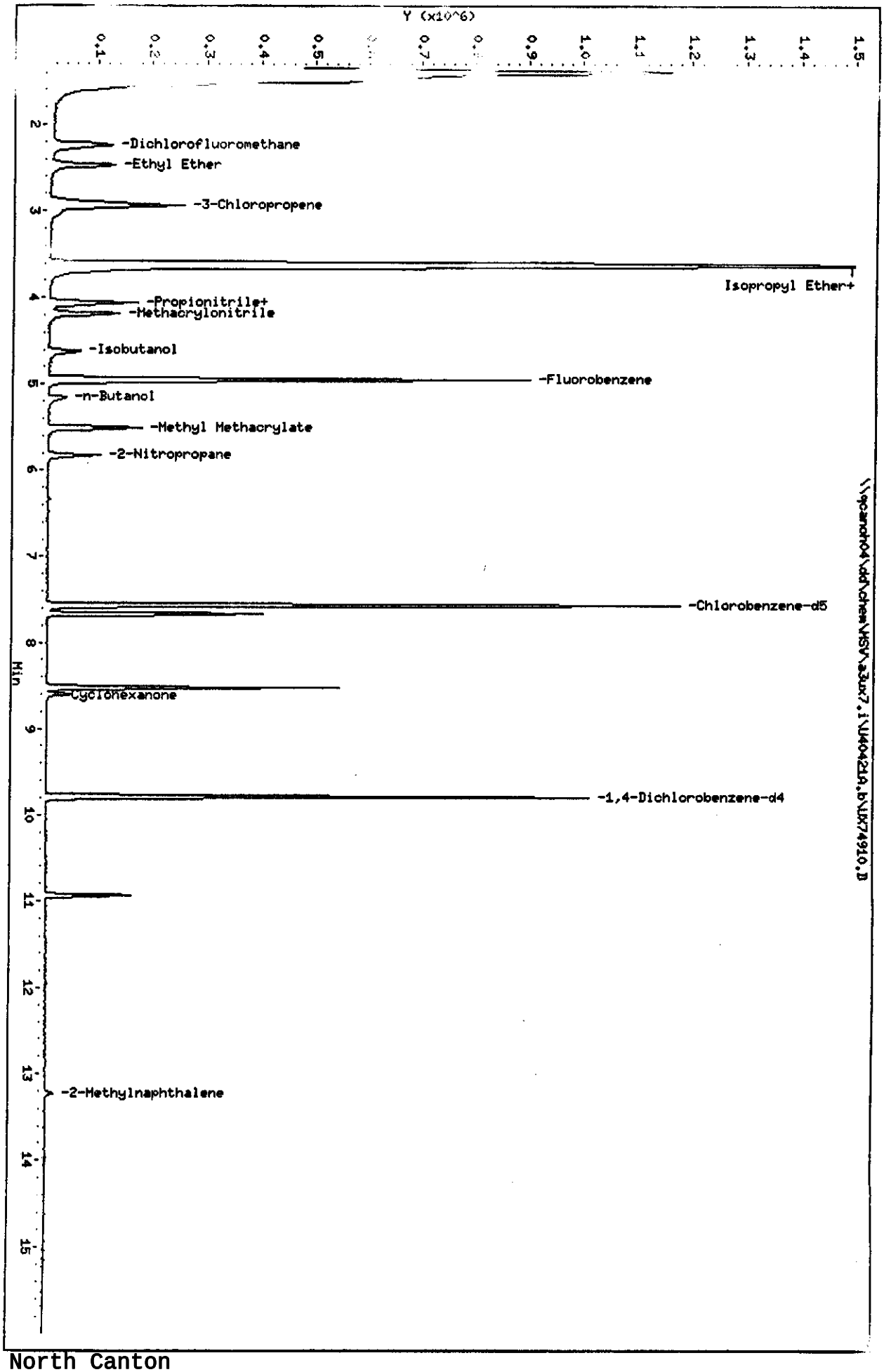
Data File: \\qca[illegible]h04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74909.D
Report Date: 22-A[illegible]r-2004 11:25

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40421A.b\UX74910.D
Date : 21-APR-2004 10:26
Client ID:
Sample Info: 25NG090AL
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\U40421A.b\UX74910.D
Report Date: 22-Apr-2004 11:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74910.D
Lab Smp Id: 25NGA9CAL
Inj Date : 21-APR-2004 10:26
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 25NGA9CAL
Misc Info : U40421A,N8260UX7-3,3-IX.SUB,1754,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\N8260UX7-3.m
Meth Date : 22-Apr-2004 11:25 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 4 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	4.954	4.954	(1.000)	990903	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.569	(1.000)	695978	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.793	9.793	(1.000)	307483	50.0000	
14 Dichlorofluoromethane	67	2.244	2.244	(0.453)	244218	25.0000	26.113
89 Ethyl Ether	59	2.469	2.469	(0.498)	122600	25.0000	25.840
91 3-Chloropropene	76	2.942	2.942	(0.594)	68050	25.0000	25.318
92 Isopropyl Ether	87	3.628	3.628	(0.732)	589545	125.000	126.61
93 2-Chloro-1,3-butadiene	53	3.640	3.640	(0.735)	235365	25.0000	26.024
94 Propionitrile	54	4.054	4.054	(0.818)	39854	50.0000	48.988
95 Ethyl Acetate	43	4.066	4.066	(0.821)	268319	50.0000	48.992
96 Methacrylonitrile	41	4.185	4.185	(0.845)	95369	25.0000	24.102
97 Isobutanol	41	4.611	4.611	(0.609)	53145	500.000	480.50(A)
99 n-Butanol	56	5.155	5.155	(0.681)	28048	500.000	477.33(A)
100 Methyl Methacrylate	41	5.510	5.510	(1.112)	120731	25.0000	24.750
101 2-Nitropropane	41	5.829	5.829	(1.177)	77856	50.0000	49.932
103 Cyclohexanone	55	8.598	8.598	(0.878)	36284	250.000	231.55(A)
146 2-Methylnaphthalene	142	13.225	13.225	(1.350)	13221	50.0000	35.525

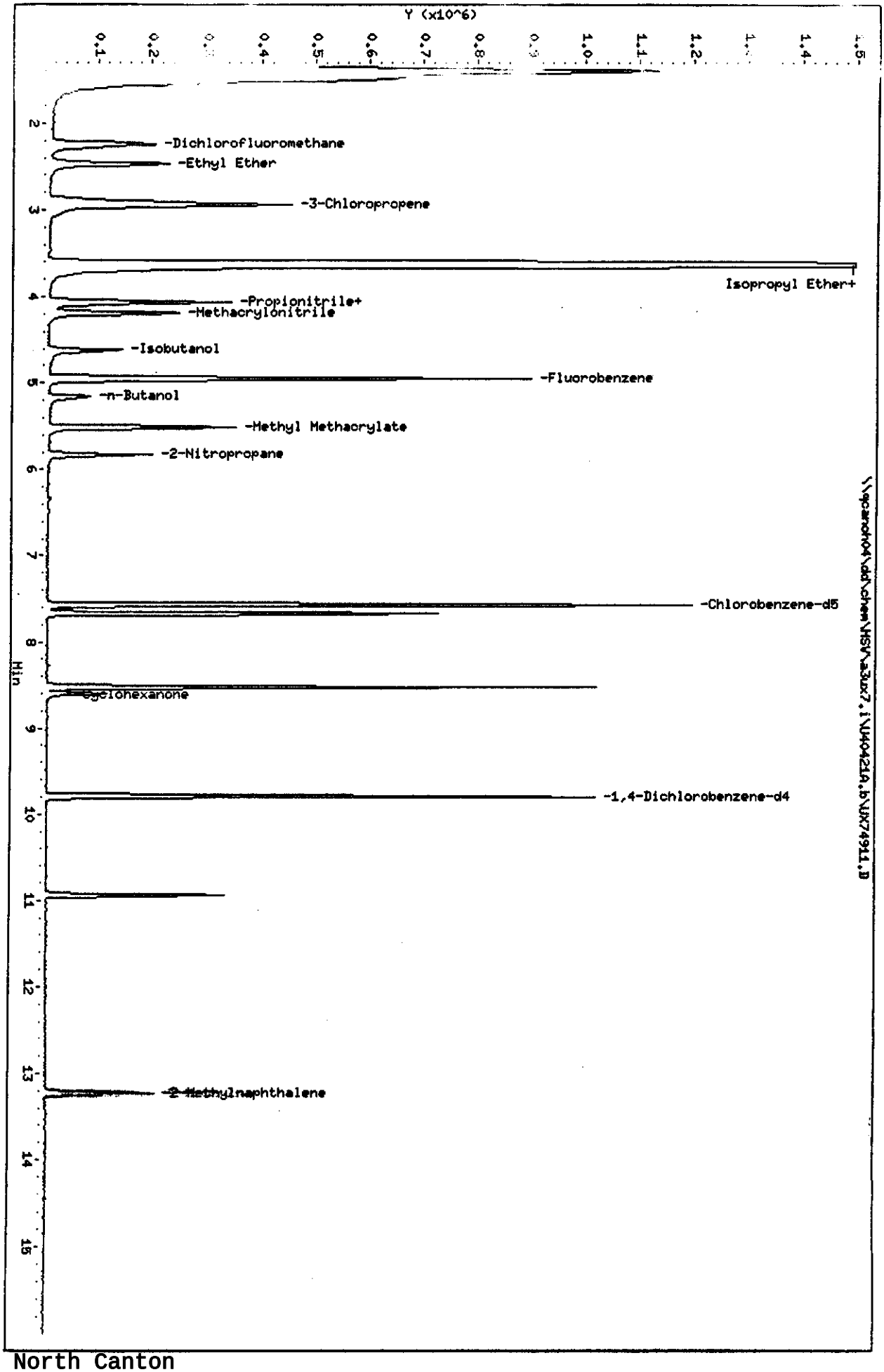
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74910.D
Report Date: 22-Apr-2004 11:26

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40421A.b\UX74911.D
T : 21-APR-2004 10:50
Client ID:
Sample Info: 50NG99CAL
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\U40421A.b\UX74911.D
Report Date: 22-Apr-2004 11:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74911.D
Lab Smp Id: 50NGA9CAL
Inj Date : 21-APR-2004 10:50
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NGA9CAL
Misc Info : U40421A,N8260UX7-3,3-IX.SUB,1754,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\N8260UX7-3.m
Meth Date : 22-Apr-2004 11:26 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 5 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	4.943	4.943	(1.000)	981321	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.570	(1.000)	696721	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.794	(1.000)	310771	50.0000	
14 Dichlorofluoromethane	67	2.245	2.245	(0.454)	430869	50.0000	46.520
89 Ethyl Ether	59	2.470	2.470	(0.500)	222396	50.0000	47.332
91 3-Chloropropene	76	2.943	2.943	(0.595)	121101	50.0000	45.496
92 Isopropyl Ether	87	3.629	3.629	(0.734)	1096029	250.000	237.68(A)
93 2-Chloro-1,3-butadiene	53	3.641	3.641	(0.737)	418619	50.0000	46.738
94 Propionitrile	54	4.055	4.055	(0.820)	80688	100.000	100.15
95 Ethyl Acetate	43	4.055	4.055	(0.820)	515278	100.000	95.002
96 Methacrylonitrile	41	4.185	4.185	(0.847)	190253	50.0000	48.552
97 Isobutanol	41	4.611	4.611	(0.609)	115229	1000.00	976.79(A)
99 n-Butanol	56	5.156	5.156	(0.681)	63925	1000.00	972.50(A)
100 Methyl Methacrylate	41	5.511	5.511	(1.115)	227809	50.0000	47.156
101 2-Nitropropane	41	5.830	5.830	(1.180)	144250	100.000	93.416
103 Cyclohexanone	55	8.599	8.599	(0.878)	54685	500.000	476.66(A)
146 2-Methylnaphthalene	142	13.226	13.226	(1.350)	140838	100.000	72.905

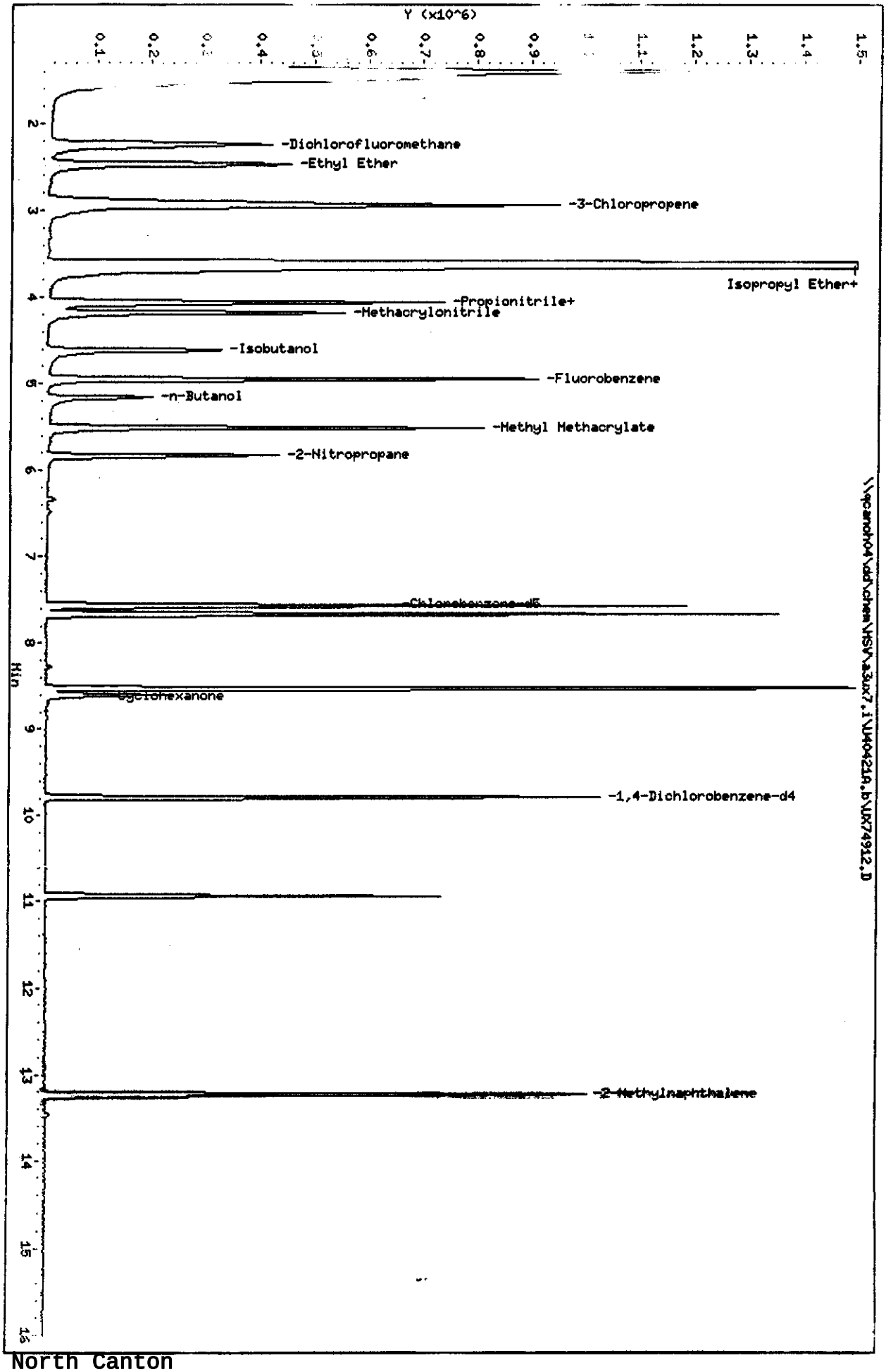
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UA74911.D
Report Date: 22-Apr-2004 11:26

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40421A.b\UX74912.D
Date : 21-APR-2004 11:13
Client ID:
Sample Info: 100NG09CAL
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\U40421A.b\UX74912.D
Report Date: 22-Apr-2004 11:27

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74912.D
Lab Smp Id: 100NGA9CAL
Inj Date : 21-APR-2004 11:13
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 100NGA9CAL
Misc Info : U40421A,N8260UX7-3,3-IX.SUB,1754,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\N8260UX7-3.m
Meth Date : 22-Apr-2004 11:27 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 6 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

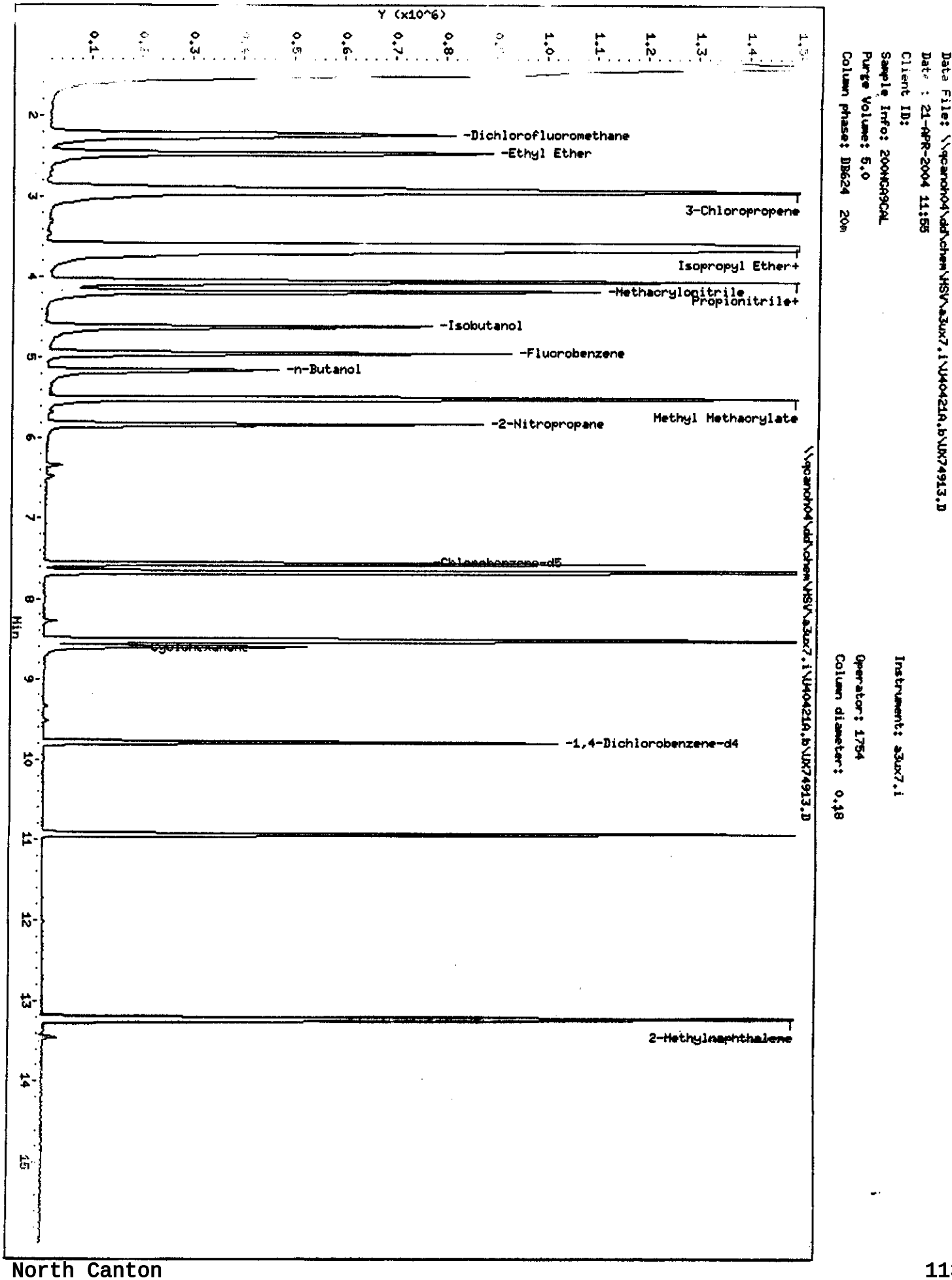
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	990475	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	705801	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	305840	50.0000	
14 Dichlorofluoromethane	67	2.242	2.242	(0.453)	874166	100.000	93.510
89 Ethyl Ether	59	2.467	2.467	(0.498)	454523	100.000	95.840
91 3-Chloropropene	76	2.940	2.940	(0.594)	252557	100.000	94.006
92 Isopropyl Ether	87	3.626	3.626	(0.732)	2217879	500.000	476.51(A)
93 2-Chloro-1,3-butadiene	53	3.650	3.650	(0.737)	846389	100.000	93.625
94 Propionitrile	54	4.052	4.052	(0.818)	164117	200.000	201.82(A)
95 Ethyl Acetate	43	4.064	4.064	(0.821)	1105437	200.000	201.92(A)
96 Methacrylonitrile	41	4.183	4.183	(0.845)	385964	100.000	97.587
97 Isobutanol	41	4.620	4.620	(0.611)	258038	2000.00	2019.5(A)
99 n-Butanol	56	5.153	5.153	(0.681)	148458	2000.00	2022.8(A)
100 Methyl Methacrylate	41	5.508	5.508	(1.112)	512935	100.000	105.20
101 2-Nitropropane	41	5.827	5.827	(1.177)	303116	200.000	194.48
103 Cyclohexanone	55	8.596	8.596	(0.878)	130705	1000.00	1157.7(A)
146 2-Methylnaphthalene	142	13.235	13.235	(1.352)	661148	200.000	208.39

Data File: \\cranoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74912.D
Report Date: 22-Apr-2004 11:27

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40421A.b\UX74913.D
Date : 21-APR-2004 11:55
Client ID:
Sample Info: 200NG09CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
-Dichlorofluoromethane
-Ethyl Ether
3-Chloropropene
Isopropyl Ether+
-Methacrylonitrile
Propionitrile+
-Isobutanol
-Fluorobenzene
-n-Butanol
Methyl Methacrylate
-2-Nitropropane
-Chlorobenzene-d5
Cyclohexanone
-1,4-Dichlorobenzene-d4
2-Methylnaphthalene
Min
\\qcanoh04\dd\chem\HSV\a3ux7.i\U40421A.b\UX74913.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74913.D
Report Date: 22-Apr-2004 11:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74913.D
Lab Smp Id: 200NGA9CAL
Inj Date : 21-APR-2004 11:55
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 200NGA9CAL
Misc Info : U40421A,N8260UX7-3,3-IX.SUB,1754,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\N8260UX7-3.m
Meth Date : 22-Apr-2004 11:28 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 7 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

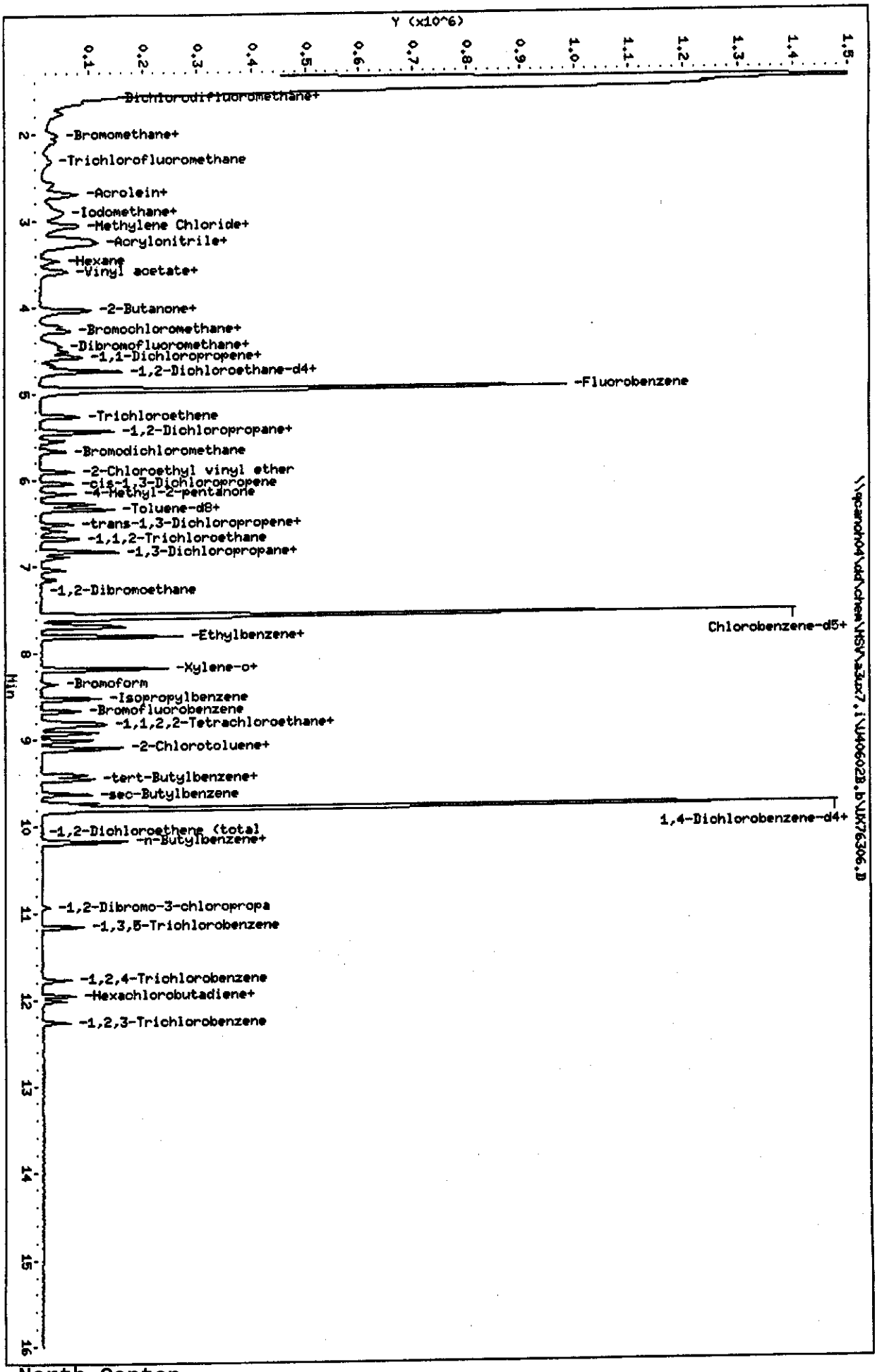
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.954	4.954	(1.000)	980833	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.569	(1.000)	701071	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.794	(1.000)	309470	50.0000	
14 Dichlorofluoromethane	67	2.244	2.244	(0.453)	1845214	200.000	199.32
89 Ethyl Ether	59	2.469	2.469	(0.498)	896497	200.000	190.89
91 3-Chloropropene	76	2.943	2.943	(0.594)	531503	200.000	199.78
92 Isopropyl Ether	87	3.629	3.629	(0.733)	4533367	1000.00	983.56(A)
93 2-Chloro-1,3-butadiene	53	3.652	3.652	(0.737)	1783345	200.000	199.21
94 Propionitrile	54	4.055	4.055	(0.818)	325259	400.000	403.91(A)
95 Ethyl Acetate	43	4.067	4.067	(0.821)	2274977	400.000	419.65(A)
96 Methacrylonitrile	41	4.185	4.185	(0.845)	794235	200.000	202.79(A)
97 Isobutanol	41	4.611	4.611	(0.609)	572710	4000.00	3997.2(A)
99 n-Butanol	56	5.155	5.155	(0.681)	343575	4000.00	3996.9(A)
100 Methyl Methacrylate	41	5.510	5.510	(1.112)	1066787	200.000	220.93(A)
101 2-Nitropropane	41	5.830	5.830	(1.177)	631831	400.000	409.38(A)
103 Cyclohexanone	55	8.599	8.599	(0.878)	278558	2000.00	2368.2(A)
146 2-Methylnaphthalene	142	13.225	13.225	(1.350)	1920176	400.000	399.13

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74913.D
Report Date: 22-Apr-2004 11:28

QC Flag Legend

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


Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\U406028.b\UX76306.D
Date : 02-JUN-2004 12:14
Client ID:
Sample Info: 5.0N08260CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1764
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane+
-Dibromofluoromethane+
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8+
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
-Ethylbenzene+
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-2-Chlorotoluene+
-tert-Butylbenzene+
-sec-Butylbenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichloroethene (total
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene+
-1,2,3-Trichlorobenzene
\\qcandh04\dd\chem\HSV\a3ux7.i\U406028.b\UX76306.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76306.D
Report Date: 02-Jun-2004 15:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76306.D
Lab Smp Id: 5.0NG8260CAL
Inj Date : 02-JUN-2004 12:14
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 5.0NG8260CAL
Misc Info : U40602B,N8260UX7-3,1-8260.SUB,1754,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Meth Date : 02-Jun-2004 15:13 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.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	4.952	4.952	(1.000)	1131125	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	909914	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	445158	50.0000	
$ 4 Dibromofluoromethane	113	4.407	4.407	(0.890)	22607	5.00000	4.429
$ 5 1,2-Dichloroethane-d4	65	4.679	4.679	(0.945)	32072	5.00000	4.563
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	78451	5.00000	3.874
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	29288	5.00000	4.153
8 Dichlorodifluoromethane	85	1.591	1.591	(0.321)	33479	5.00000	5.569
9 Chloromethane	50	1.662	1.662	(0.336)	60821	5.00000	5.672
10 Vinyl Chloride	62	1.769	1.769	(0.357)	54904	5.00000	5.835
11 Bromomethane	94	2.005	2.005	(0.405)	33000	5.00000	6.023
12 Chloroethane	64	2.088	2.088	(0.422)	35677	5.00000	6.332
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	47499	5.00000	5.559
15 Acrolein	56	2.561	2.561	(0.517)	67965	50.0000	53.766
16 Acetone	43	2.691	2.691	(0.544)	50603	10.0000	10.323
17 1,1-Dichloroethene	96	2.691	2.691	(0.544)	26530	5.00000	4.981
18 Freon-113	151	2.691	2.691	(0.544)	18724	5.00000	4.873

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76306.D
Report Date: 02-Jun-2004 15:13

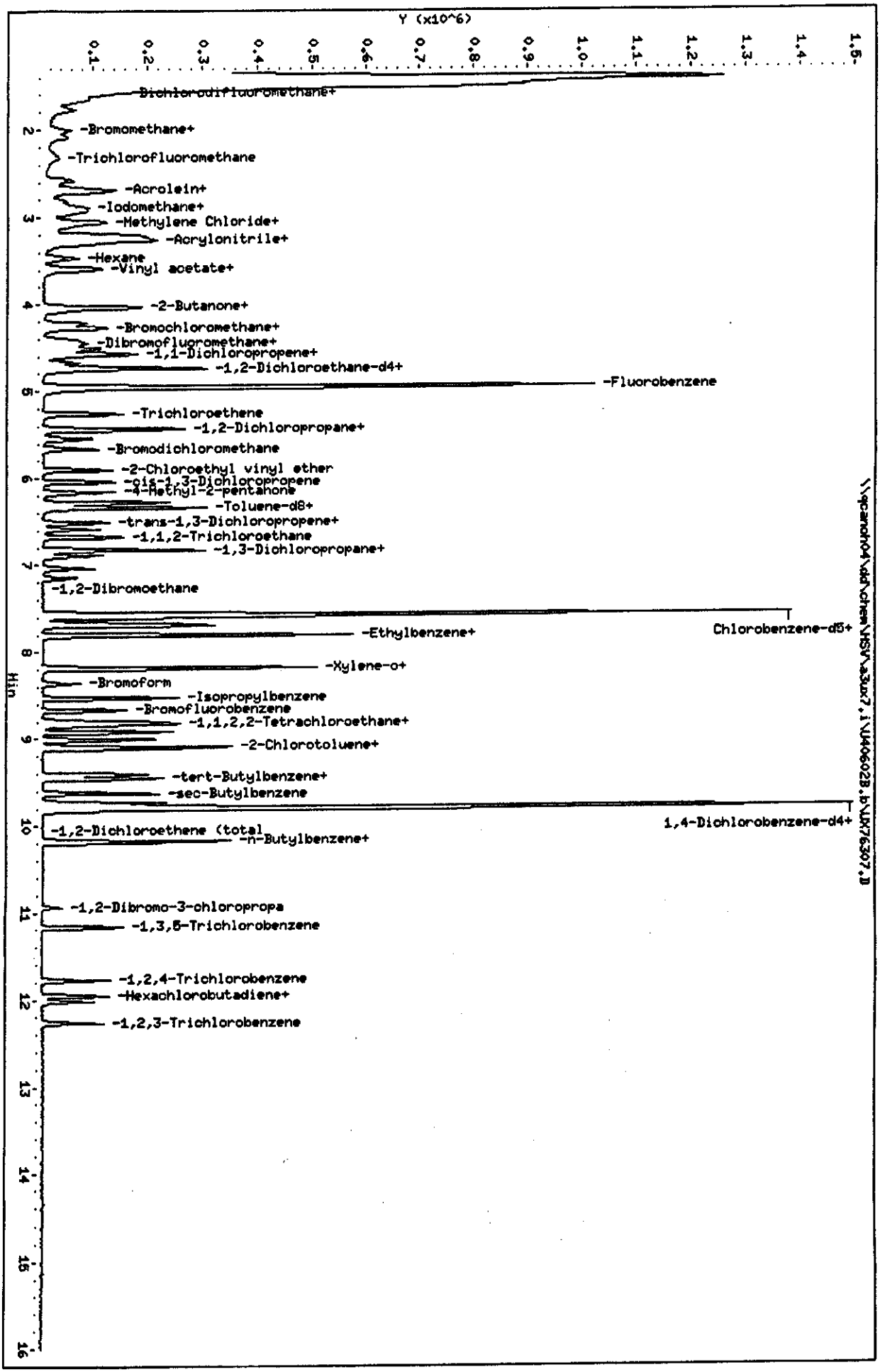
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.822	2.822	(0.570)	46454	5.00000	5.331
	20 Carbon Disulfide	76	2.893	2.893	(0.584)	106258	5.00000	5.254
	21 Methylene Chloride	84	3.046	3.046	(0.615)	68297	5.00000	5.140
	22 Acetonitrile	41	2.916	2.916	(0.589)	52037	50.0000	57.079
	23 Acrylonitrile	53	3.212	3.212	(0.649)	141402	50.0000	51.408
	24 Methyl tert-butyl ether	73	3.271	3.271	(0.661)	91549	5.00000	4.863
	25 trans-1,2-Dichloroethene	96	3.259	3.259	(0.658)	32303	5.00000	5.079
	26 Hexane	86	3.461	3.461	(0.699)	3399	5.00000	5.848
	27 Vinyl acetate	43	3.591	3.591	(0.725)	58143	5.00000	4.479
	28 1,1-Dichloroethane	63	3.579	3.579	(0.723)	60001	5.00000	5.226
	29 tert-Butyl Alcohol	59	3.106	3.106	(0.627)	37806	100.000	92.376
	30 2-Butanone	43	4.029	4.029	(0.814)	42284	10.0000	10.253
M	31 1,2-Dichloroethene (total)	96				64631	10.0000	10.074
	32 cis-1,2-dichloroethene	96	4.040	4.040	(0.816)	32328	5.00000	4.995
	33 2,2-Dichloropropane	77	4.052	4.052	(0.818)	37541	5.00000	5.175
	34 Bromochloromethane	128	4.218	4.218	(0.852)	17918	5.00000	5.595
	35 Chloroform	83	4.277	4.277	(0.864)	57853	5.00000	5.370
	36 Tetrahydrofuran	42	4.265	4.265	(0.861)	7969	5.00000	4.638
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	45061	5.00000	5.112
	38 1,1-Dichloropropene	75	4.561	4.561	(0.921)	38069	5.00000	4.826
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	35931	5.00000	4.970
	40 1,2-Dichloroethane	62	4.739	4.739	(0.957)	44655	5.00000	5.174
	41 Benzene	78	4.739	4.739	(0.957)	139617	5.00000	5.219
	42 Trichloroethene	130	5.259	5.259	(1.062)	32658	5.00000	5.173
	43 1,2-Dichloropropane	63	5.425	5.425	(1.096)	35931	5.00000	5.420
	44 1,4-Dioxane	88	5.543	5.543	(1.119)	11318	250.000	212.78(A)
	45 Dibromomethane	93	5.531	5.531	(1.117)	19382	5.00000	5.386
	46 Bromodichloromethane	83	5.650	5.650	(1.141)	42156	5.00000	5.144
	47 2-Chloroethyl vinyl ether	63	5.898	5.898	(1.191)	30961	10.0000	8.316
	48 cis-1,3-Dichloropropene	75	6.040	6.040	(1.220)	45741	5.00000	4.752
	49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	56161	10.0000	9.069
	50 Toluene	91	6.336	6.336	(0.837)	120949	5.00000	4.672
	51 trans-1,3-Dichloropropene	75	6.513	6.513	(0.861)	38457	5.00000	4.616
	52 Ethyl Methacrylate	69	6.584	6.584	(0.870)	30080	5.00000	3.993
	53 1,1,2-Trichloroethane	97	6.667	6.667	(0.881)	29691	5.00000	5.298
	54 1,3-Dichloropropane	76	6.821	6.821	(0.901)	50716	5.00000	5.058
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	23494	5.00000	5.241
	56 2-Hexanone	43	6.892	6.892	(0.911)	44841	10.0000	8.658
	57 Dibromochloromethane	129	7.034	7.034	(0.930)	28659	5.00000	4.958
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	27428	5.00000	5.120
	59 Chlorobenzene	112	7.602	7.602	(1.005)	83510	5.00000	5.156
	60 1,1,1,2-Tetrachloroethane	131	7.673	7.673	(1.014)	27857	5.00000	4.809
	61 Ethylbenzene	106	7.697	7.697	(1.017)	36116	5.00000	4.540
	62 m + p-Xylene	106	7.803	7.803	(1.031)	88308	10.0000	8.866
M	63 Xylenes (total)	106				127639	15.0000	13.002
	64 Xylene-o	106	8.182	8.182	(1.081)	39331	5.00000	4.136
	65 Styrene	104	8.182	8.182	(1.081)	67318	5.00000	3.936

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76306.D
Report Date: 02-Jun-2004 15:13

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)	17879	5.00000	4.638
67 Isopropylbenzene	105	8.525	8.525	(1.127)	81431	5.00000	4.152
68 1,1,2,2-Tetrachloroethane	83	8.797	8.797	(0.898)	38537	5.00000	5.384
69 1,4-Dichloro-2-butene	53	8.845	8.845	(0.903)	7932	5.00000	4.199
70 1,2,3-Trichloropropane	110	8.833	8.833	(0.902)	11493	5.00000	5.004
71 Bromobenzene	156	8.821	8.821	(0.901)	31984	5.00000	4.994
72 n-Propylbenzene	120	8.916	8.916	(0.911)	21012	5.00000	4.056
73 2-Chlorotoluene	126	9.010	9.010	(0.920)	22543	5.00000	4.360
74 1,3,5-Trimethylbenzene	105	9.093	9.093	(0.929)	66333	5.00000	4.079
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	24661	5.00000	4.518
76 tert-Butylbenzene	119	9.413	9.413	(0.961)	51138	5.00000	4.063
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	67874	5.00000	3.985
78 sec-Butylbenzene	105	9.626	9.626	(0.983)	76265	5.00000	4.174
79 4-Isopropyltoluene	119	9.768	9.768	(0.998)	60179	5.00000	4.007
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	53379	5.00000	4.956
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	58168	5.00000	5.084
82 n-Butylbenzene	91	10.170	10.170	(1.039)	55473	5.00000	4.230
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	54420	5.00000	5.013
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	6578	5.00000	4.828
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	22560	5.00000	4.178
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	15176	5.00000	5.318
87 Naphthalene	128	12.016	12.016	(1.227)	46042	5.00000	7.545
88 1,2,3-Trichlorobenzene	180	12.264	12.264	(1.253)	21368	5.00000	4.154
98 Cyclohexane	56	4.514	4.514	(0.912)	40245	5.00000	4.676(a)
143 Methyl Acetate	43	2.940	2.940	(0.594)	51419	10.0000	10.412
144 Methylcyclohexane	83	5.437	5.437	(1.098)	29104	5.00000	4.460(a)
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	30002	5.00000	4.799

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 02-JUN-2004 12:38
Client ID:
Sample Info: 10N68260CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane+
-Dibromofluoromethane+
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8+
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
-Ethylbenzene+
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-2-Chlorotoluene+
-tert-Butylbenzene+
-sec-Butylbenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichloroethene (total
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene+
-1,2,3-Trichlorobenzene
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76307.D
Report Date: 02-Jun-2004 15:14

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76307.D
Lab Smp Id: 10NG8260CAL
Inj Date : 02-JUN-2004 12:38
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 10NG8260CAL
Misc Info : U40602B,N8260UX7-3,1-8260.SUB,1754,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Meth Date : 02-Jun-2004 15:13 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.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	4.951	4.951	(1.000)	1131984	50.0000	
* 2 Chlorobenzene-d5	117	7.566	7.566	(1.000)	913524	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	454183	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.395	(0.888)	49645	10.0000	9.719
$ 5 1,2-Dichloroethane-d4	65	4.667	4.667	(0.943)	69297	10.0000	9.852
$ 6 Toluene-d8	98	6.276	6.276	(0.830)	186656	10.0000	9.181
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	62500	10.0000	8.827
8 Dichlorodifluoromethane	85	1.579	1.579	(0.319)	44776	10.0000	7.442
9 Chloromethane	50	1.662	1.662	(0.336)	109289	10.0000	10.183
10 Vinyl Chloride	62	1.768	1.768	(0.357)	90131	10.0000	9.571
11 Bromomethane	94	2.005	2.005	(0.405)	54412	10.0000	9.975
12 Chloroethane	64	2.088	2.088	(0.422)	57238	10.0000	10.151
13 Trichlorofluoromethane	101	2.324	2.324	(0.470)	68984	10.0000	8.067
15 Acrolein	56	2.573	2.573	(0.520)	126382	100.000	99.903
16 Acetone	43	2.679	2.679	(0.541)	80726	20.0000	19.467
17 1,1-Dichloroethene	96	2.691	2.691	(0.544)	53816	10.0000	10.097
18 Freon-113	151	2.715	2.715	(0.548)	39484	10.0000	10.268

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76307.D
Report Date: 02-Jun-2004 15:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.821	2.821	(0.570)	89525	10.0000	10.267
	20 Carbon Disulfide	76	2.880	2.880	(0.582)	203061	10.0000	10.034
	21 Methylene Chloride	84	3.058	3.058	(0.618)	101077	10.0000	10.129
	22 Acetonitrile	41	2.904	2.904	(0.587)	90925	100.000	99.660
	23 Acrylonitrile	53	3.212	3.212	(0.649)	272667	100.000	99.054
	24 Methyl tert-butyl ether	73	3.271	3.271	(0.661)	185550	10.0000	9.848
	25 trans-1,2-Dichloroethene	96	3.259	3.259	(0.658)	67601	10.0000	10.621
	26 Hexane	86	3.472	3.472	(0.701)	8255	10.0000	10.240
	27 Vinyl acetate	43	3.590	3.590	(0.725)	118916	10.0000	9.154
	28 1,1-Dichloroethane	63	3.579	3.579	(0.723)	118601	10.0000	10.321
	29 tert-Butyl Alcohol	59	3.105	3.105	(0.627)	73425	200.000	179.27
	30 2-Butanone	43	4.016	4.016	(0.811)	82199	20.0000	19.916
M	31 1,2-Dichloroethene (total)	96				132683	20.0000	20.669
	32 cis-1,2-dichloroethene	96	4.028	4.028	(0.814)	65082	10.0000	10.048
	33 2,2-Dichloropropane	77	4.052	4.052	(0.818)	70696	10.0000	9.737
	34 Bromochloromethane	128	4.218	4.218	(0.852)	33031	10.0000	10.307
	35 Chloroform	83	4.277	4.277	(0.864)	110384	10.0000	10.238
	36 Tetrahydrofuran	42	4.265	4.265	(0.861)	15879	10.0000	9.235
	37 1,1,1-Trichloroethane	97	4.442	4.442	(0.897)	89871	10.0000	10.188
	38 1,1-Dichloropropene	75	4.573	4.573	(0.924)	75784	10.0000	9.599
	39 Carbon Tetrachloride	117	4.584	4.584	(0.926)	69935	10.0000	9.666
	40 1,2-Dichloroethane	62	4.726	4.726	(0.955)	89598	10.0000	10.374
	41 Benzene	78	4.738	4.738	(0.957)	267024	10.0000	9.973
	42 Trichloroethene	130	5.259	5.259	(1.062)	64799	10.0000	10.256
	43 1,2-Dichloropropane	63	5.436	5.436	(1.098)	67394	10.0000	10.158
	44 1,4-Dioxane	88	5.543	5.543	(1.119)	24668	500.000	463.40(A)
	45 Dibromomethane	93	5.531	5.531	(1.117)	37953	10.0000	10.539
	46 Bromodichloromethane	83	5.661	5.661	(1.143)	83465	10.0000	10.178
	47 2-Chloroethyl vinyl ether	63	5.898	5.898	(1.191)	63895	20.0000	17.148
	48 cis-1,3-Dichloropropene	75	6.040	6.040	(1.220)	94857	10.0000	9.848
	49 4-Methyl-2-pentanone	43	6.158	6.158	(1.244)	108048	20.0000	17.434
	50 Toluene	91	6.336	6.336	(0.837)	253903	10.0000	9.768
	51 trans-1,3-Dichloropropene	75	6.513	6.513	(0.861)	82240	10.0000	9.832
	52 Ethyl Methacrylate	69	6.584	6.584	(0.870)	66260	10.0000	8.760
	53 1,1,2-Trichloroethane	97	6.679	6.679	(0.883)	58445	10.0000	10.387
	54 1,3-Dichloropropane	76	6.833	6.833	(0.903)	101587	10.0000	10.092
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	45586	10.0000	10.129
	56 2-Hexanone	43	6.892	6.892	(0.911)	87926	20.0000	16.909
	57 Dibromochloromethane	129	7.034	7.034	(0.930)	59371	10.0000	10.230
	58 1,2-Dibromoethane	107	7.140	7.140	(0.944)	52999	10.0000	9.854
	59 Chlorobenzene	112	7.602	7.602	(1.005)	166483	10.0000	10.238
	60 1,1,1,2-Tetrachloroethane	131	7.673	7.673	(1.014)	60325	10.0000	10.374
	61 Ethylbenzene	106	7.696	7.696	(1.017)	76565	10.0000	9.586
	62 m + p-Xylene	106	7.803	7.803	(1.031)	185059	20.0000	18.506
M	63 Xylenes (total)	106				276199	30.0000	28.053
	64 Xylene-o	106	8.182	8.182	(1.081)	91140	10.0000	9.547
	65 Styrene	104	8.182	8.182	(1.081)	159095	10.0000	9.267

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76307.D
Report Date: 02-Jun-2004 15:14

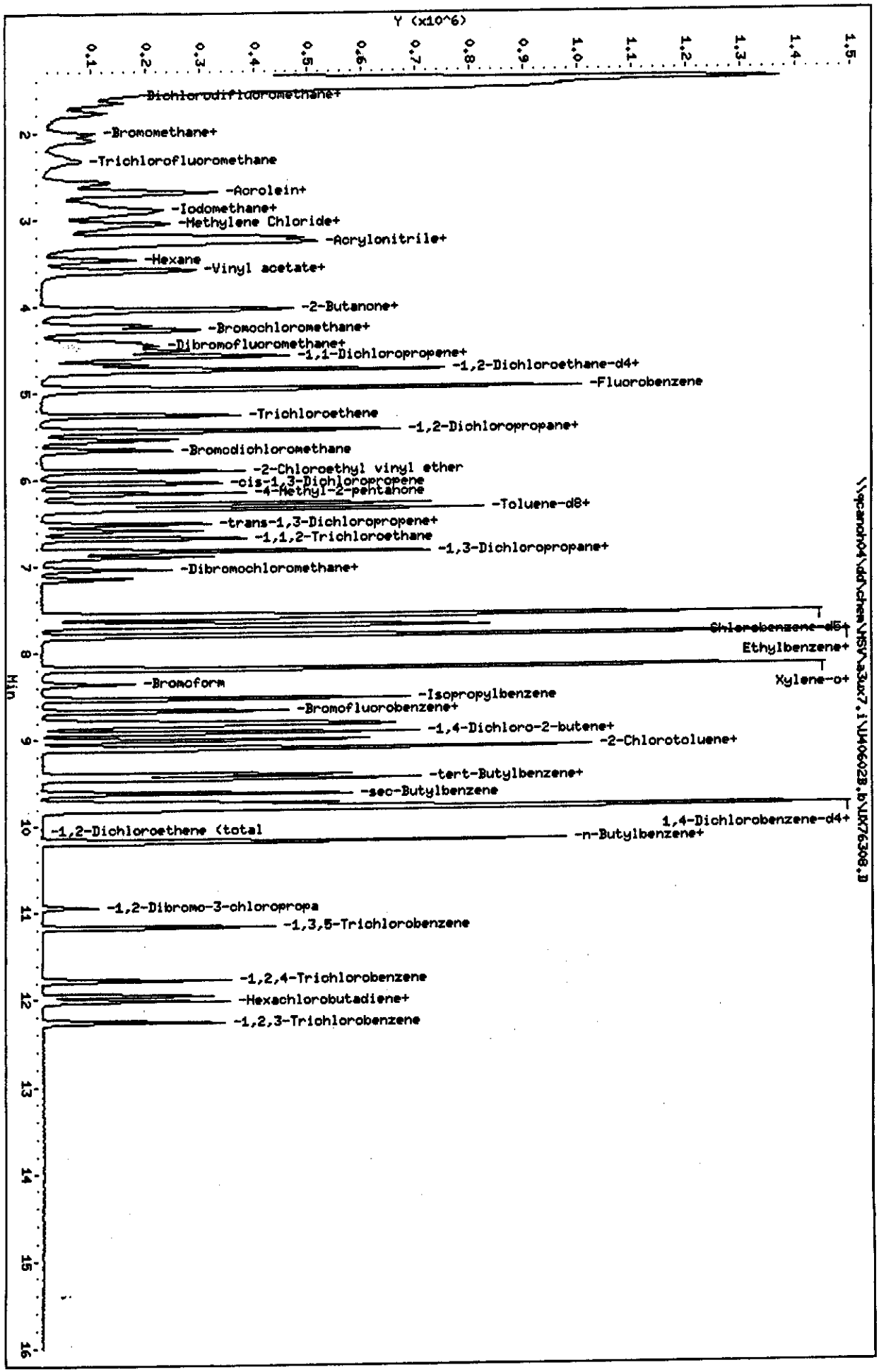
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.359	8.359	(1.105)	39331	10.0000	10.163
67 Isopropylbenzene	105	8.525	8.525	(1.127)	175272	10.0000	8.900
68 1,1,2,2-Tetrachloroethane	83	8.785	8.785	(0.897)	74447	10.0000	10.193
69 1,4-Dichloro-2-butene	53	8.844	8.844	(0.903)	19500	10.0000	10.118
70 1,2,3-Trichloropropane	110	8.832	8.832	(0.902)	24510	10.0000	10.459
71 Bromobenzene	156	8.821	8.821	(0.901)	67969	10.0000	10.402
72 n-Propylbenzene	120	8.915	8.915	(0.911)	48464	10.0000	9.169
73 2-Chlorotoluene	126	9.010	9.010	(0.920)	53340	10.0000	10.111
74 1,3,5-Trimethylbenzene	105	9.093	9.093	(0.929)	148421	10.0000	8.945
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	54300	10.0000	9.750
76 tert-Butylbenzene	119	9.412	9.412	(0.961)	113358	10.0000	8.828
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	156372	10.0000	8.999
78 sec-Butylbenzene	105	9.625	9.625	(0.983)	167709	10.0000	8.997
79 4-Isopropyltoluene	119	9.767	9.767	(0.998)	134221	10.0000	8.760
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	114750	10.0000	10.443
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	123713	10.0000	10.598
82 n-Butylbenzene	91	10.169	10.169	(1.039)	119211	10.0000	8.910
83 1,2-Dichlorobenzene	146	10.181	10.181	(1.040)	110362	10.0000	9.964
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	13803	10.0000	9.930
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	51378	10.0000	9.325
86 Hexachlorobutadiene	225	11.956	11.956	(1.221)	28382	10.0000	9.749
87 Naphthalene	128	12.015	12.015	(1.227)	98335	10.0000	10.571
88 1,2,3-Trichlorobenzene	180	12.264	12.264	(1.253)	45433	10.0000	8.656
98 Cyclohexane	56	4.502	4.502	(0.909)	75649	10.0000	8.783
143 Methyl Acetate	43	2.940	2.940	(0.594)	102034	20.0000	20.645
144 Methylcyclohexane	83	5.436	5.436	(1.098)	55821	10.0000	8.547
141 1,3,5-Trichlorobenzene	180	11.163	11.163	(1.140)	62859	10.0000	9.854

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U406028.b\UX76308.D
Date : 02-JUN-2004 13:01
Client ID:
Sample Info: 25NG826GCAL
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\U40602B.b\UX76308.D
Report Date: 02-Jun-2004 15:14

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76308.D
Lab Smp Id: 25NG8260CAL
Inj Date : 02-JUN-2004 13:01
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 25NG8260CAL
Misc Info : U40602B,N8260UX7-3,1-8260.SUB,1754,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Meth Date : 02-Jun-2004 15:14 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.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)	1142589	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.568	(1.000)	908155	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	472715	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	134847	25.0000	26.153
$ 5 1,2-Dichloroethane-d4	65	4.669	4.669	(0.943)	188623	25.0000	26.567
$ 6 Toluene-d8	98	6.278	6.278	(0.830)	535057	25.0000	26.472
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	184837	25.0000	26.259
8 Dichlorodifluoromethane	85	1.580	1.580	(0.319)	139942	25.0000	23.044
9 Chloromethane	50	1.651	1.651	(0.333)	257698	25.0000	23.789
10 Vinyl Chloride	62	1.769	1.769	(0.357)	220907	25.0000	23.241
11 Bromomethane	94	2.006	2.006	(0.405)	124888	25.0000	23.426
12 Chloroethane	64	2.089	2.089	(0.422)	141225	25.0000	24.814
13 Trichlorofluoromethane	101	2.314	2.314	(0.467)	204464	25.0000	23.688
15 Acrolein	56	2.562	2.562	(0.517)	318669	250.000	249.56
16 Acetone	43	2.681	2.681	(0.541)	183664	50.0000	50.313
17 1,1-Dichloroethene	96	2.692	2.692	(0.544)	134353	25.0000	24.973
18 Freon-113	151	2.704	2.704	(0.546)	93138	25.0000	23.996

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76308.D
Report Date: 02-Jun-2004 15:14

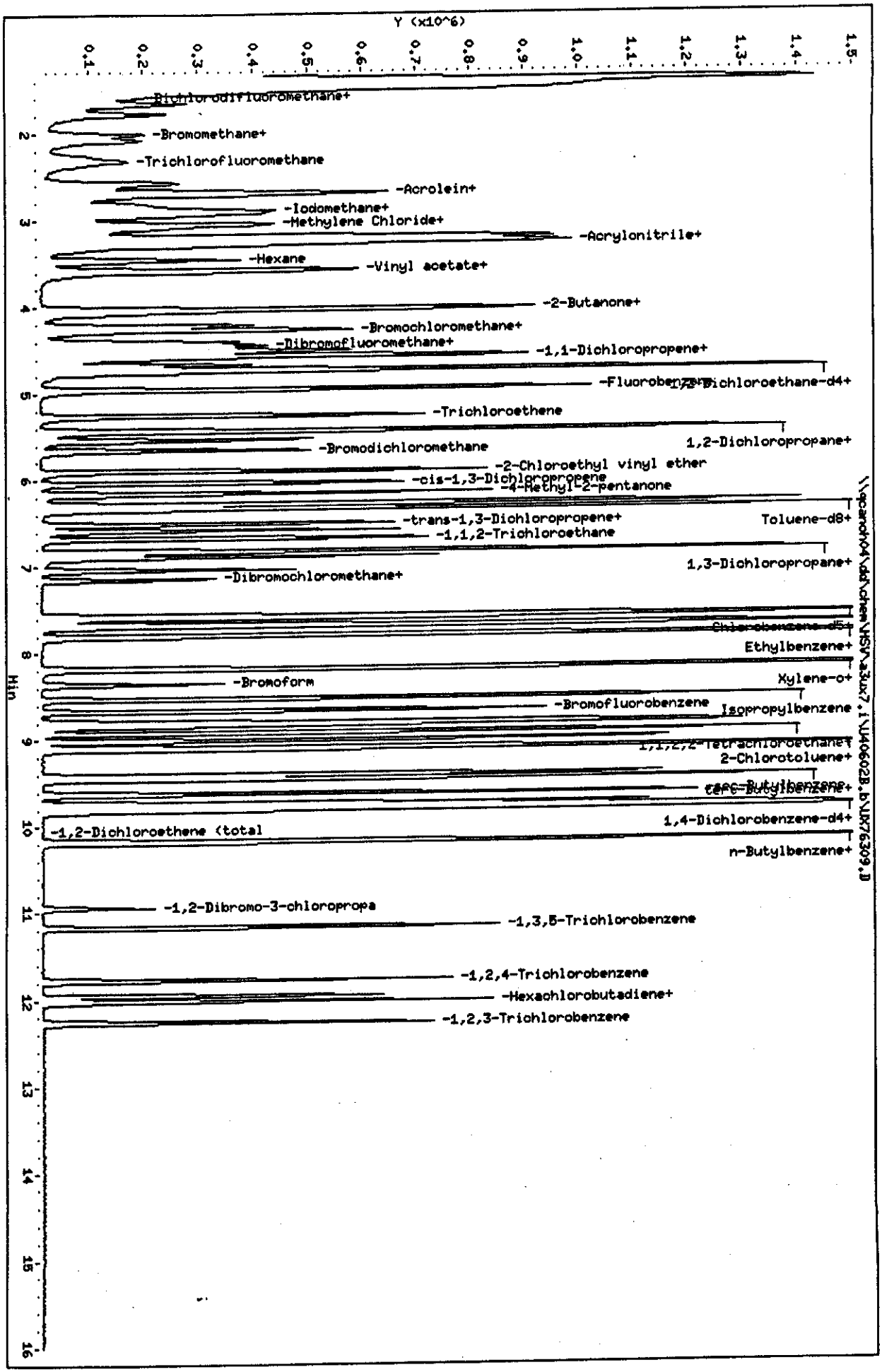
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 Iodomethane	142	2.823	2.823	(0.570)	220653	25.0000	25.070
20 Carbon Disulfide	76	2.882	2.882	(0.582)	514700	25.0000	25.197
21 Methylene Chloride	84	3.047	3.047	(0.615)	199121	25.0000	24.828
22 Acetonitrile	41	2.905	2.905	(0.587)	226153	250.000	245.58
23 Acrylonitrile	53	3.201	3.201	(0.646)	692049	250.000	249.07
24 Methyl tert-butyl ether	73	3.272	3.272	(0.661)	471285	25.0000	24.781
25 trans-1,2-Dichloroethene	96	3.260	3.260	(0.658)	162733	25.0000	25.331
26 Hexane	86	3.473	3.473	(0.701)	25224	25.0000	25.388
27 Vinyl acetate	43	3.592	3.592	(0.725)	306231	25.0000	23.355
28 1,1-Dichloroethane	63	3.580	3.580	(0.723)	292489	25.0000	25.218
29 tert-Butyl Alcohol	59	3.107	3.107	(0.627)	204185	500.000	493.90
30 2-Butanone	43	4.018	4.018	(0.811)	201382	50.0000	48.340
M 31 1,2-Dichloroethene (total)	96				327779	50.0000	50.576
32 cis-1,2-dichloroethene	96	4.030	4.030	(0.814)	165046	25.0000	25.245
33 2,2-Dichloropropane	77	4.053	4.053	(0.818)	180557	25.0000	24.639
34 Bromochloromethane	128	4.219	4.219	(0.852)	80069	25.0000	24.753
35 Chloroform	83	4.278	4.278	(0.864)	272320	25.0000	25.023
36 Tetrahydrofuran	42	4.266	4.266	(0.861)	44557	25.0000	25.672
37 1,1,1-Trichloroethane	97	4.456	4.456	(0.900)	223635	25.0000	25.117
38 1,1-Dichloropropene	75	4.562	4.562	(0.921)	196261	25.0000	24.629
39 Carbon Tetrachloride	117	4.586	4.586	(0.926)	184756	25.0000	25.299
40 1,2-Dichloroethane	62	4.728	4.728	(0.955)	225623	25.0000	25.881
41 Benzene	78	4.740	4.740	(0.957)	680184	25.0000	25.169
42 Trichloroethene	130	5.260	5.260	(1.062)	159588	25.0000	25.024
43 1,2-Dichloropropane	63	5.438	5.438	(1.098)	162837	25.0000	24.315
44 1,4-Dioxane	88	5.544	5.544	(1.119)	65317	1250.00	1215.6(A)
45 Dibromomethane	93	5.532	5.532	(1.117)	89574	25.0000	24.642
46 Bromodichloromethane	83	5.662	5.662	(1.143)	208519	25.0000	25.190
47 2-Chloroethyl vinyl ether	63	5.899	5.899	(1.191)	182364	50.0000	48.489
48 cis-1,3-Dichloropropene	75	6.041	6.041	(1.220)	239664	25.0000	24.650
49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	301617	50.0000	48.216
50 Toluene	91	6.337	6.337	(0.837)	667486	25.0000	25.832
51 trans-1,3-Dichloropropene	75	6.514	6.514	(0.861)	207078	25.0000	24.904
52 Ethyl Methacrylate	69	6.585	6.585	(0.870)	184633	25.0000	24.555
53 1,1,2-Trichloroethane	97	6.680	6.680	(0.883)	142704	25.0000	25.513
54 1,3-Dichloropropane	76	6.822	6.822	(0.901)	255259	25.0000	25.510
55 Tetrachloroethene	164	6.834	6.834	(0.903)	111991	25.0000	25.031
56 2-Hexanone	43	6.893	6.893	(0.911)	258576	50.0000	50.021
57 Dibromochloromethane	129	7.035	7.035	(0.930)	146876	25.0000	25.457
58 1,2-Dibromoethane	107	7.142	7.142	(0.944)	134852	25.0000	25.220
59 Chlorobenzene	112	7.603	7.603	(1.005)	405712	25.0000	25.097
60 1,1,1,2-Tetrachloroethane	131	7.674	7.674	(1.014)	150362	25.0000	26.010
61 Ethylbenzene	106	7.698	7.698	(1.017)	200299	25.0000	25.226
62 m + p-Xylene	106	7.804	7.804	(1.031)	514402	50.0000	51.744
M 63 Xylenes (total)	106				755927	75.0000	77.194
64 Xylene-o	106	8.183	8.183	(1.081)	241525	25.0000	25.450
65 Styrene	104	8.183	8.183	(1.081)	437607	25.0000	25.639

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76308.D
Report Date: 02-Jun-2004 15:14

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)	99276	25.0000	25.805
67 Isopropylbenzene	105	8.526	8.526	(1.127)	486575	25.0000	24.855
68 1,1,2,2-Tetrachloroethane	83	8.786	8.786	(0.897)	187201	25.0000	24.627
69 1,4-Dichloro-2-butene	53	8.846	8.846	(0.903)	47807	25.0000	23.833
70 1,2,3-Trichloropropane	110	8.834	8.834	(0.902)	63006	25.0000	25.832
71 Bromobenzene	156	8.822	8.822	(0.901)	164493	25.0000	24.188
72 n-Propylbenzene	120	8.917	8.917	(0.911)	136229	25.0000	24.762
73 2-Chlorotoluene	126	9.011	9.011	(0.920)	138700	25.0000	25.262
74 1,3,5-Trimethylbenzene	105	9.094	9.094	(0.929)	431249	25.0000	24.971
75 4-Chlorotoluene	126	9.106	9.106	(0.930)	149207	25.0000	25.742
76 tert-Butylbenzene	119	9.413	9.413	(0.961)	324924	25.0000	24.312
77 1,2,4-Trimethylbenzene	105	9.449	9.449	(0.965)	457317	25.0000	25.287
78 sec-Butylbenzene	105	9.626	9.626	(0.983)	470568	25.0000	24.254
79 4-Isopropyltoluene	119	9.768	9.768	(0.998)	394408	25.0000	24.731
80 1,3-Dichlorobenzene	146	9.733	9.733	(0.994)	282741	25.0000	24.723
81 1,4-Dichlorobenzene	146	9.816	9.816	(1.002)	297570	25.0000	24.492
82 n-Butylbenzene	91	10.171	10.171	(1.039)	333157	25.0000	23.926
83 1,2-Dichlorobenzene	146	10.183	10.183	(1.040)	293262	25.0000	25.440
84 1,2-Dibromo-3-chloropropane	157	10.940	10.940	(1.117)	35946	25.0000	24.848
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	135093	25.0000	23.558
86 Hexachlorobutadiene	225	11.958	11.958	(1.221)	71823	25.0000	23.704
87 Naphthalene	128	12.017	12.017	(1.227)	318161	25.0000	22.659
88 1,2,3-Trichlorobenzene	180	12.265	12.265	(1.253)	136129	25.0000	24.920
98 Cyclohexane	56	4.515	4.515	(0.912)	203655	25.0000	23.426
143 Methyl Acetate	43	2.941	2.941	(0.594)	250576	50.0000	50.230
144 Methylcyclohexane	83	5.438	5.438	(1.098)	156227	25.0000	23.700
141 1,3,5-Trichlorobenzene	180	11.165	11.165	(1.140)	153755	25.0000	23.159

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U406028.b\UX76309.D
Date : 02-JUN-2004 13:25
Client ID:
Sample Info: 50NS8260CAL
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+
-Bromochloromethane+
-Dibromofluoromethane+
-1,1-Dichloropropene+
-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+
Xylene-o+
-Bromoform
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
2-Chlorotoluene+
sec-Butylbenzene+
tert-Butylbenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichloroethene (total
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene+
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux7.i\U406028.b\UX76309.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76309.D
Report Date: 02-Jun-2004 15:14

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76309.D
Lab Smp Id: 50NG8260CAL
Inj Date : 02-JUN-2004 13:25
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NG8260CAL
Misc Info : U40602B,N8260UX7-3,1-8260.SUB,1754,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Meth Date : 02-Jun-2004 15:14 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	1148721	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	917309	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	469715	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	263676	50.0000	50.866
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	356877	50.0000	49.996
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	1089637	50.0000	53.373
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	369768	50.0000	52.007
8 Dichlorodifluoromethane	85	1.591	1.591	(0.321)	319770	50.0000	52.376
9 Chloromethane	50	1.662	1.662	(0.336)	524022	50.0000	48.117
10 Vinyl Chloride	62	1.781	1.781	(0.360)	471887	50.0000	49.381
11 Bromomethane	94	2.017	2.017	(0.407)	252765	50.0000	50.243
12 Chloroethane	64	2.088	2.088	(0.422)	280729	50.0000	49.062
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	459254	50.0000	52.921
15 Acrolein	56	2.573	2.573	(0.520)	623767	500.000	485.89
16 Acetone	43	2.692	2.692	(0.544)	348927	100.000	99.878
17 1,1-Dichloroethene	96	2.692	2.692	(0.544)	264986	50.0000	48.992
18 Freon-113	151	2.704	2.704	(0.546)	189047	50.0000	48.446

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76309.D
Report Date: 02-Jun-2004 15:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.822	2.822	(0.570)	420846	50.0000	47.560
	20 Carbon Disulfide	76	2.893	2.893	(0.584)	986093	50.0000	48.016
	21 Methylene Chloride	84	3.047	3.047	(0.615)	364306	50.0000	49.661
	22 Acetonitrile	41	2.905	2.905	(0.587)	446713	500.000	482.49
	23 Acrylonitrile	53	3.201	3.201	(0.646)	1369924	500.000	490.42
	24 Methyl tert-butyl ether	73	3.283	3.283	(0.663)	938297	50.0000	49.074
	25 trans-1,2-Dichloroethene	96	3.260	3.260	(0.658)	309396	50.0000	47.903
	26 Hexane	86	3.473	3.473	(0.701)	49582	50.0000	46.999
	27 Vinyl acetate	43	3.591	3.591	(0.725)	671920	50.0000	50.971
	28 1,1-Dichloroethane	63	3.579	3.579	(0.723)	560670	50.0000	48.081
	29 tert-Butyl Alcohol	59	3.106	3.106	(0.627)	409689	1000.00	985.70
	30 2-Butanone	43	4.017	4.017	(0.811)	408338	100.000	97.495
M	31 1,2-Dichloroethene (total)	96				628770	100.000	96.493
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	319374	50.0000	48.590
	33 2,2-Dichloropropane	77	4.053	4.053	(0.818)	355541	50.0000	48.258
	34 Bromochloromethane	128	4.218	4.218	(0.852)	153597	50.0000	47.231
	35 Chloroform	83	4.277	4.277	(0.864)	528629	50.0000	48.315
	36 Tetrahydrofuran	42	4.254	4.254	(0.859)	84945	50.0000	48.681
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	427900	50.0000	47.802
	38 1,1-Dichloropropene	75	4.561	4.561	(0.921)	400428	50.0000	49.983
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	358209	50.0000	48.788
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	420774	50.0000	48.009
	41 Benzene	78	4.739	4.739	(0.957)	1308182	50.0000	48.148
	42 Trichloroethene	130	5.259	5.259	(1.062)	307572	50.0000	47.970
	43 1,2-Dichloropropane	63	5.437	5.437	(1.098)	321385	50.0000	47.734
	44 1,4-Dioxane	88	5.543	5.543	(1.119)	137504	2500.00	2545.4(A)
	45 Dibromomethane	93	5.532	5.532	(1.117)	174102	50.0000	47.640
	46 Bromodichloromethane	83	5.662	5.662	(1.143)	403479	50.0000	48.483
	47 2-Chloroethyl vinyl ether	63	5.898	5.898	(1.191)	389236	100.000	102.94
	48 cis-1,3-Dichloropropene	75	6.040	6.040	(1.220)	481310	50.0000	49.239
	49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	650910	100.000	103.50
	50 Toluene	91	6.336	6.336	(0.837)	1312006	50.0000	50.268
	51 trans-1,3-Dichloropropene	75	6.514	6.514	(0.861)	416470	50.0000	49.587
	52 Ethyl Methacrylate	69	6.585	6.585	(0.870)	391628	50.0000	51.564
	53 1,1,2-Trichloroethane	97	6.679	6.679	(0.883)	273484	50.0000	48.406
	54 1,3-Dichloropropane	76	6.821	6.821	(0.901)	493142	50.0000	48.791
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	220803	50.0000	48.858
	56 2-Hexanone	43	6.892	6.892	(0.911)	553262	100.000	105.96
	57 Dibromochloromethane	129	7.034	7.034	(0.930)	284244	50.0000	48.774
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	266903	50.0000	49.418
	59 Chlorobenzene	112	7.602	7.602	(1.005)	790475	50.0000	48.409
	60 1,1,1,2-Tetrachloroethane	131	7.673	7.673	(1.014)	285436	50.0000	48.882
	61 Ethylbenzene	106	7.697	7.697	(1.017)	405436	50.0000	50.552
	62 m + p-Xylene	106	7.804	7.804	(1.031)	1030539	100.000	102.63
M	63 Xylenes (total)	106				1531398	150.000	154.88
	64 Xylene-o	106	8.182	8.182	(1.081)	500859	50.0000	52.250
	65 Styrene	104	8.182	8.182	(1.081)	909798	50.0000	52.773

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76309.D
Report Date: 02-Jun-2004 15:14

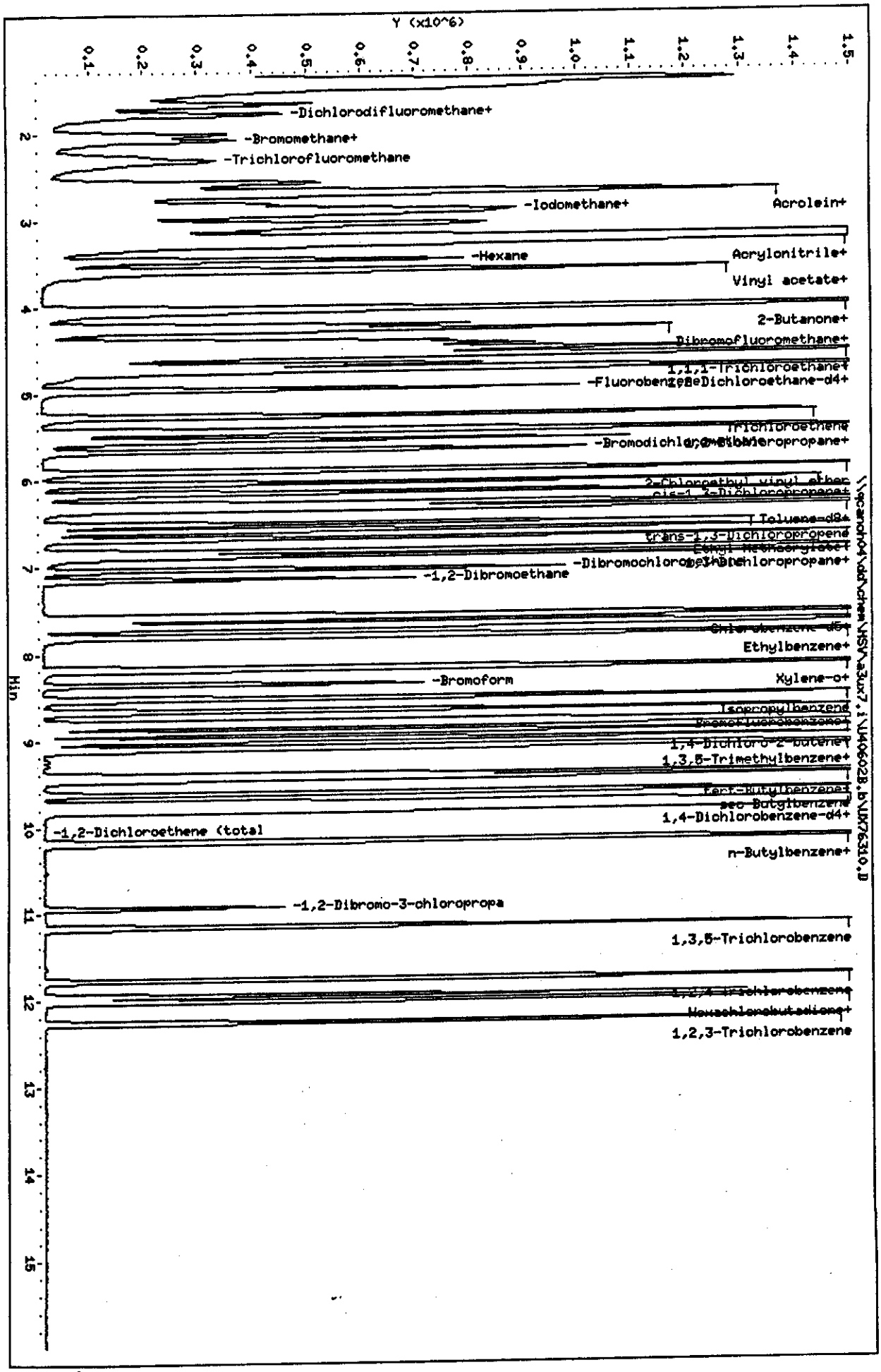
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.360	8.360	(1.105)	192043	50.0000	49.421
67 Isopropylbenzene	105	8.525	8.525	(1.127)	1015730	50.0000	51.367
68 1,1,2,2-Tetrachloroethane	83	8.797	8.797	(0.898)	370452	50.0000	49.046
69 1,4-Dichloro-2-butene	53	8.845	8.845	(0.903)	98210	50.0000	49.273
70 1,2,3-Trichloropropane	110	8.833	8.833	(0.902)	118518	50.0000	48.903
71 Bromobenzene	156	8.821	8.821	(0.901)	332094	50.0000	49.144
72 n-Propylbenzene	120	8.916	8.916	(0.911)	285232	50.0000	52.177
73 2-Chlorotoluene	126	9.010	9.010	(0.920)	276353	50.0000	50.655
74 1,3,5-Trimethylbenzene	105	9.093	9.093	(0.929)	903804	50.0000	52.668
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	294979	50.0000	51.216
76 tert-Butylbenzene	119	9.413	9.413	(0.961)	679580	50.0000	51.173
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	951740	50.0000	52.963
78 sec-Butylbenzene	105	9.626	9.626	(0.983)	988469	50.0000	51.273
79 4-Isopropyltoluene	119	9.768	9.768	(0.998)	830801	50.0000	52.427
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	559110	50.0000	49.201
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	591658	50.0000	49.009
82 n-Butylbenzene	91	10.170	10.170	(1.039)	705164	50.0000	50.965
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	567919	50.0000	49.581
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	67944	50.0000	47.266
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	292189	50.0000	51.280
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	145391	50.0000	48.290
87 Naphthalene	128	12.016	12.016	(1.227)	768122	50.0000	47.467
88 1,2,3-Trichlorobenzene	180	12.264	12.264	(1.253)	280910	50.0000	51.753
98 Cyclohexane	56	4.514	4.514	(0.912)	436784	50.0000	49.975
143 Methyl Acetate	43	2.940	2.940	(0.594)	476905	100.000	95.089
144 Methylcyclohexane	83	5.437	5.437	(1.098)	330749	50.0000	49.907
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	330553	50.0000	50.108

QC Flag Legend

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

Data File: \\qcanoh04\ddh\chem\HSV\a3ux7.i\U406028.b\UX76310.D
Date : 02-JUN-2004 13:48
Client ID:
Sample Info: 100NG8260CAL
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\U40602B.b\UX76310.D
Report Date: 02-Jun-2004 15:15

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76310.D
Lab Smp Id: 100NG8260CAL
Inj Date : 02-JUN-2004 13:48
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 100NG8260CAL
Misc Info : U40602B,N8260UX7-3,1-8260.SUB,1754,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Meth Date : 02-Jun-2004 15:15 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.954	4.954	(1.000)	1164762	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.569	(1.000)	942471	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.794	(1.000)	484971	50.0000	
$ 4 Dibromofluoromethane	113	4.398	4.398	(0.888)	549346	100.000	104.52
$ 5 1,2-Dichloroethane-d4	65	4.670	4.670	(0.943)	739452	100.000	102.17
$ 6 Toluene-d8	98	6.280	6.280	(0.830)	2287348	100.000	109.05
$ 7 Bromofluorobenzene	95	8.670	8.670	(1.145)	800429	100.000	109.57
8 Dichlorodifluoromethane	85	1.582	1.582	(0.319)	681900	100.000	110.15
9 Chloromethane	50	1.665	1.665	(0.336)	1097846	100.000	99.418
10 Vinyl Chloride	62	1.783	1.783	(0.360)	962588	100.000	99.343
11 Bromomethane	94	2.020	2.020	(0.408)	465196	100.000	100.48
12 Chloroethane	64	2.079	2.079	(0.420)	538107	100.000	92.748
13 Trichlorofluoromethane	101	2.316	2.316	(0.467)	926777	100.000	105.32
15 Acrolein	56	2.576	2.576	(0.520)	1294827	1000.00	994.74
16 Acetone	43	2.682	2.682	(0.541)	687392	200.000	200.02(A)
17 1,1-Dichloroethene	96	2.694	2.694	(0.544)	560109	100.000	102.13
18 Freon-113	151	2.706	2.706	(0.546)	413586	100.000	104.53

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76310.D
Report Date: 02-Jun-2004 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.824	2.824	(0.570)	878318	100.000	97.892
	20 Carbon Disulfide	76	2.884	2.884	(0.582)	2071323	100.000	99.470
	21 Methylene Chloride	84	3.049	3.049	(0.616)	705589	100.000	100.29
	22 Acetonitrile	41	2.895	2.895	(0.584)	907189	1000.00	966.36
	23 Acrylonitrile	53	3.203	3.203	(0.647)	2843054	1000.00	1003.8
	24 Methyl tert-butyl ether	73	3.274	3.274	(0.661)	1980619	100.000	102.16
	25 trans-1,2-Dichloroethene	96	3.262	3.262	(0.659)	641982	100.000	98.027
	26 Hexane	86	3.463	3.463	(0.699)	112582	100.000	101.85
	27 Vinyl acetate	43	3.594	3.594	(0.725)	1460005	100.000	109.23
	28 1,1-Dichloroethane	63	3.582	3.582	(0.723)	1159182	100.000	98.039
	29 tert-Butyl Alcohol	59	3.108	3.108	(0.627)	914862	2000.00	2170.8(A)
	30 2-Butanone	43	4.020	4.020	(0.811)	865165	200.000	203.72(A)
M	31 1,2-Dichloroethene (total)	96				1317247	200.000	199.35
	32 cis-1,2-dichloroethene	96	4.031	4.031	(0.814)	675265	100.000	101.32
	33 2,2-Dichloropropane	77	4.043	4.043	(0.816)	758314	100.000	101.51
	34 Bromochloromethane	128	4.221	4.221	(0.852)	316731	100.000	96.053
	35 Chloroform	83	4.280	4.280	(0.864)	1076784	100.000	97.060
	36 Tetrahydrofuran	42	4.256	4.256	(0.859)	190931	100.000	107.91
	37 1,1,1-Trichloroethane	97	4.446	4.446	(0.897)	905341	100.000	99.746
	38 1,1-Dichloropropene	75	4.564	4.564	(0.921)	849272	100.000	104.55
	39 Carbon Tetrachloride	117	4.588	4.588	(0.926)	767293	100.000	103.07
	40 1,2-Dichloroethane	62	4.730	4.730	(0.955)	863704	100.000	97.188
	41 Benzene	78	4.730	4.730	(0.955)	2743730	100.000	99.594
	42 Trichloroethene	130	5.262	5.262	(1.062)	644376	100.000	99.115
	43 1,2-Dichloropropane	63	5.428	5.428	(1.096)	668852	100.000	97.974
	44 1,4-Dioxane	88	5.534	5.534	(1.117)	302063	5000.00	5514.7(A)
	45 Dibromomethane	93	5.534	5.534	(1.117)	359923	100.000	97.130
	46 Bromodichloromethane	83	5.653	5.653	(1.141)	834016	100.000	98.836
	47 2-Chloroethyl vinyl ether	63	5.901	5.901	(1.191)	869733	200.000	226.85(A)
	48 cis-1,3-Dichloropropene	75	6.031	6.031	(1.217)	1024347	100.000	103.35
	49 4-Methyl-2-pentanone	43	6.161	6.161	(1.244)	1398425	200.000	219.29(A)
	50 Toluene	91	6.339	6.339	(0.837)	2777612	100.000	103.58
	51 trans-1,3-Dichloropropene	75	6.504	6.504	(0.859)	900731	100.000	104.38
	52 Ethyl Methacrylate	69	6.587	6.587	(0.870)	897834	100.000	115.06
	53 1,1,2-Trichloroethane	97	6.670	6.670	(0.881)	563371	100.000	97.053
	54 1,3-Dichloropropane	76	6.824	6.824	(0.902)	1042724	100.000	100.41
	55 Tetrachloroethene	164	6.836	6.836	(0.903)	459974	100.000	99.063
	56 2-Hexanone	43	6.883	6.883	(0.909)	1187302	200.000	221.32(A)
	57 Dibromochloromethane	129	7.037	7.037	(0.930)	607416	100.000	101.45
	58 1,2-Dibromoethane	107	7.143	7.143	(0.944)	557014	100.000	100.38
	59 Chlorobenzene	112	7.593	7.593	(1.003)	1670252	100.000	99.557
	60 1,1,1,2-Tetrachloroethane	131	7.664	7.664	(1.013)	602609	100.000	100.44
	61 Ethylbenzene	106	7.700	7.700	(1.017)	869519	100.000	105.52
	62 m + p-Xylene	106	7.806	7.806	(1.031)	2220923	200.000	215.27(A)
M	63 Xylenes (total)	106				3293545	300.000	324.18
	64 Xylene-o	106	8.173	8.173	(1.080)	1072622	100.000	108.91
	65 Styrene	104	8.185	8.185	(1.081)	1961810	100.000	110.76

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76310.D
Report Date: 02-Jun-2004 15:15

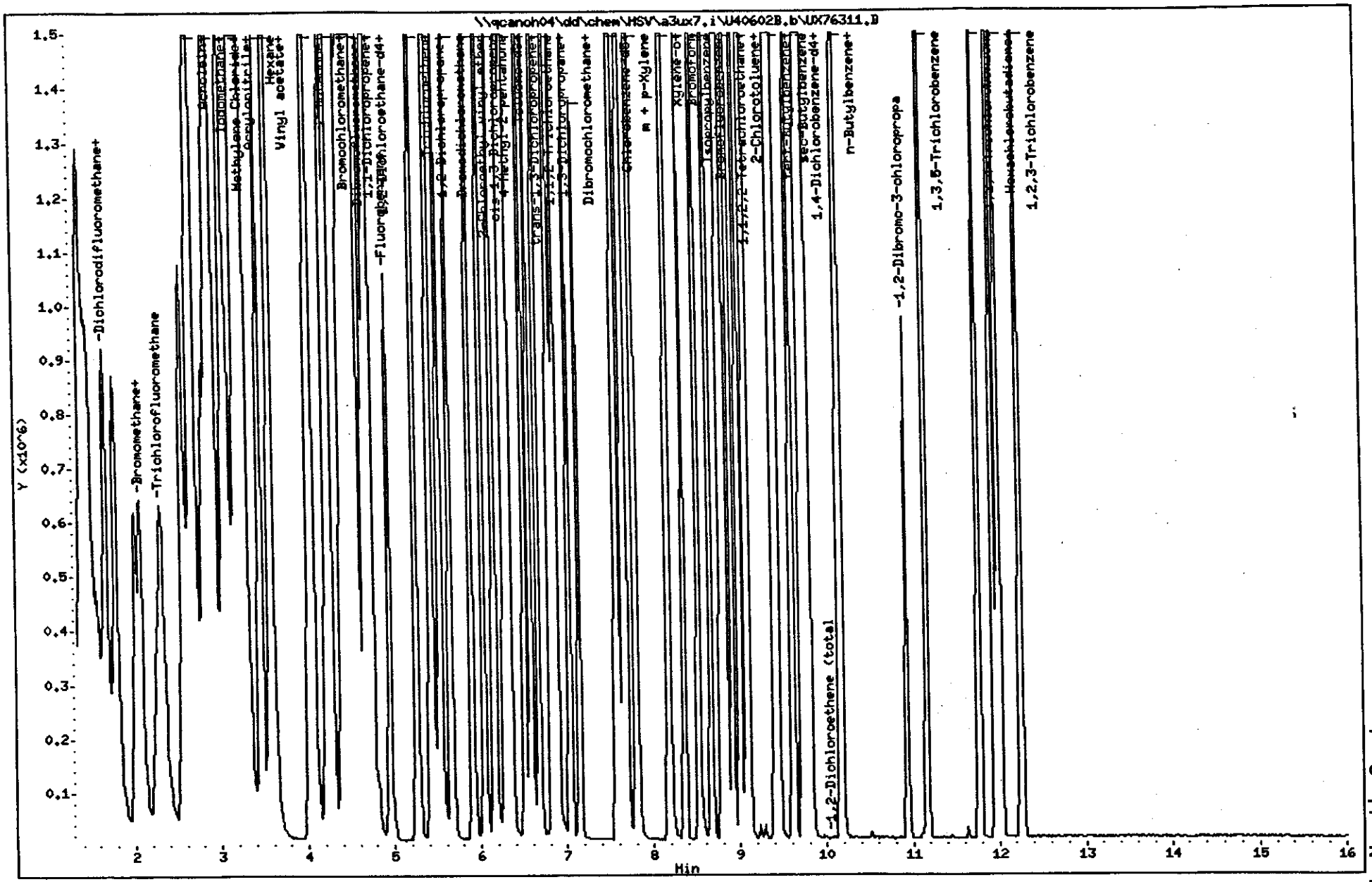
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.362	8.362	(1.105)	405605	100.000	101.59
67 Isopropylbenzene	105	8.528	8.528	(1.127)	2272594	100.000	111.86
68 1,1,2,2-Tetrachloroethane	83	8.788	8.788	(0.897)	753361	100.000	96.603
69 1,4-Dichloro-2-butene	53	8.847	8.847	(0.903)	225558	100.000	109.60
70 1,2,3-Trichloropropane	110	8.836	8.836	(0.902)	241729	100.000	96.605
71 Bromobenzene	156	8.824	8.824	(0.901)	703617	100.000	100.85
72 n-Propylbenzene	120	8.918	8.918	(0.911)	624648	100.000	110.67
73 2-Chlorotoluene	126	9.001	9.001	(0.919)	585505	100.000	103.94
74 1,3,5-Trimethylbenzene	105	9.084	9.084	(0.927)	1950402	100.000	110.08
75 4-Chlorotoluene	126	9.108	9.108	(0.930)	607683	100.000	102.19
76 tert-Butylbenzene	119	9.404	9.404	(0.960)	1552503	100.000	113.23
77 1,2,4-Trimethylbenzene	105	9.451	9.451	(0.965)	2044874	100.000	110.21
78 sec-Butylbenzene	105	9.617	9.617	(0.982)	2212927	100.000	111.18
79 4-Isopropyltoluene	119	9.759	9.759	(0.996)	1818134	100.000	111.12
80 1,3-Dichlorobenzene	146	9.735	9.735	(0.994)	1156577	100.000	98.575
81 1,4-Dichlorobenzene	146	9.818	9.818	(1.002)	1220500	100.000	97.918
82 n-Butylbenzene	91	10.161	10.161	(1.037)	1591327	100.000	111.39
83 1,2-Dichlorobenzene	146	10.184	10.184	(1.040)	1176716	100.000	99.499
84 1,2-Dibromo-3-chloropropane	157	10.942	10.942	(1.117)	153269	100.000	103.27
85 1,2,4-Trichlorobenzene	180	11.782	11.782	(1.203)	641827	100.000	109.10
86 Hexachlorobutadiene	225	11.959	11.959	(1.221)	313788	100.000	100.94
87 Naphthalene	128	12.019	12.019	(1.227)	1887398	100.000	102.08
88 1,2,3-Trichlorobenzene	180	12.267	12.267	(1.252)	624245	100.000	111.39
98 Cyclohexane	56	4.505	4.505	(0.909)	980604	100.000	110.65
143 Methyl Acetate	43	2.943	2.943	(0.594)	1000849	200.000	196.81
144 Methylcyclohexane	83	5.440	5.440	(1.098)	766743	100.000	114.10
141 1,3,5-Trichlorobenzene	180	11.167	11.167	(1.140)	713037	100.000	104.69

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40602B.b\UX76311.D
Date : 02-JUN-2004 14:12
Client ID:
Sample Info: 200NG8260CAL
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\U40602B.b\UX76311.D
Report Date: 02-Jun-2004 15:15

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76311.D
Lab Smp Id: 200NG8260CAL
Inj Date : 02-JUN-2004 14:12
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 200NG8260CAL
Misc Info : U40602B,N8260UX7-3,1-8260.SUB,1754,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Meth Date : 02-Jun-2004 15:15 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	1202290	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	997640	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	494615	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.395	(0.888)	1121688	200.000	206.74(A)
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	1521058	200.000	203.60(A)
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	4841603	200.000	218.06(A)
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	1701965	200.000	220.10(A)
8 Dichlorodifluoromethane	85	1.579	1.579	(0.319)	1368947	200.000	214.23(A)
9 Chloromethane	50	1.674	1.674	(0.338)	2141211	200.000	187.85
10 Vinyl Chloride	62	1.780	1.780	(0.360)	1930826	200.000	193.05
11 Bromomethane	94	2.017	2.017	(0.407)	829921	200.000	199.85
12 Chloroethane	64	2.076	2.076	(0.419)	978791	200.000	163.44
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	1857267	200.000	204.48(A)
15 Acrolein	56	2.573	2.573	(0.520)	2582074	2000.00	1921.7
16 Acetone	43	2.680	2.680	(0.541)	1385427	400.000	400.00(A)
17 1,1-Dichloroethene	96	2.692	2.692	(0.544)	1125362	200.000	198.79
18 Freon-113	151	2.703	2.703	(0.546)	836933	200.000	204.92(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76311.D
Report Date: 02-Jun-2004 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.822	2.822	(0.570)	1804361	200.000	194.82
	20 Carbon Disulfide	76	2.881	2.881	(0.582)	4225045	200.000	196.56
	21 Methylene Chloride	84	3.047	3.047	(0.615)	1399377	200.000	199.95
	22 Acetonitrile	41	2.893	2.893	(0.584)	1837580	2000.00	1896.3
	23 Acrylonitrile	53	3.200	3.200	(0.646)	5849742	2000.00	2000.8(A)
	24 Methyl tert-butyl ether	73	3.271	3.271	(0.661)	4195606	200.000	209.66(A)
	25 trans-1,2-Dichloroethene	96	3.259	3.259	(0.658)	1312126	200.000	194.10
	26 Hexane	86	3.461	3.461	(0.699)	230820	200.000	199.68
	27 Vinyl acetate	43	3.591	3.591	(0.725)	3153485	200.000	228.56(A)
	28 1,1-Dichloroethane	63	3.579	3.579	(0.723)	2372679	200.000	194.41
	29 tert-Butyl Alcohol	59	3.106	3.106	(0.627)	1950538	4000.00	4483.9(A)
	30 2-Butanone	43	4.017	4.017	(0.811)	1785926	400.000	407.41(A)
M	31 1,2-Dichloroethene (total)	96				2689852	400.000	394.37
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	1377726	200.000	200.27(A)
	33 2,2-Dichloropropane	77	4.052	4.052	(0.818)	1581572	200.000	205.10(A)
	34 Bromochloromethane	128	4.218	4.218	(0.852)	650043	200.000	190.98
	35 Chloroform	83	4.277	4.277	(0.864)	2208818	200.000	192.88
	36 Tetrahydrofuran	42	4.253	4.253	(0.859)	390576	200.000	213.86(A)
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	1874839	200.000	200.11(A)
	38 1,1-Dichloropropene	75	4.561	4.561	(0.921)	1751728	200.000	208.91(A)
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	1569247	200.000	204.21(A)
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	1762142	200.000	192.10
	41 Benzene	78	4.739	4.739	(0.957)	5649128	200.000	198.66
	42 Trichloroethene	130	5.259	5.259	(1.062)	1326566	200.000	197.68
	43 1,2-Dichloropropane	63	5.437	5.437	(1.098)	1399840	200.000	198.65
	44 1,4-Dioxane	88	5.543	5.543	(1.119)	638025	10000.0	11285(A)
	45 Dibromomethane	93	5.531	5.531	(1.117)	733741	200.000	191.83
	46 Bromodichloromethane	83	5.662	5.662	(1.143)	1720682	200.000	197.55
	47 2-Chloroethyl vinyl ether	63	5.898	5.898	(1.191)	1863994	400.000	471.01(A)
	48 cis-1,3-Dichloropropene	75	6.040	6.040	(1.220)	2169925	200.000	212.10(A)
	49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	2963737	400.000	450.25(A)
	50 Toluene	91	6.336	6.336	(0.837)	5758676	200.000	202.87(A)
	51 trans-1,3-Dichloropropene	75	6.514	6.514	(0.861)	1939719	200.000	212.36(A)
	52 Ethyl Methacrylate	69	6.585	6.585	(0.870)	1918504	200.000	232.26(A)
	53 1,1,2-Trichloroethane	97	6.679	6.679	(0.883)	1158246	200.000	188.50
	54 1,3-Dichloropropane	76	6.821	6.821	(0.901)	2151724	200.000	195.75
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	953430	200.000	193.98
	56 2-Hexanone	43	6.892	6.892	(0.911)	2549078	400.000	448.88(A)
	57 Dibromochloromethane	129	7.034	7.034	(0.930)	1238768	200.000	195.45
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	1162672	200.000	197.94
	59 Chlorobenzene	112	7.602	7.602	(1.005)	3471657	200.000	195.49
	60 1,1,1,2-Tetrachloroethane	131	7.673	7.673	(1.014)	1242529	200.000	195.65
	61 Ethylbenzene	106	7.697	7.697	(1.017)	1845867	200.000	211.62(A)
	62 m + p-Xylene	106	7.803	7.803	(1.031)	4589488	400.000	420.25(A)
M	63 Xylenes (total)	106				6811988	600.000	633.43
	64 Xylene-o	106	8.182	8.182	(1.081)	2222500	200.000	213.18(A)
	65 Styrene	104	8.182	8.182	(1.081)	4115186	200.000	219.48(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76311.D
Report Date: 02-Jun-2004 15:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.359	8.359	(1.105)	861656	200.000	203.88(A)
67 Isopropylbenzene	105	8.525	8.525	(1.127)	4901163	200.000	227.90(A)
68 1,1,2,2-Tetrachloroethane	83	8.797	8.797	(0.898)	1546086	200.000	194.39
69 1,4-Dichloro-2-butene	53	8.845	8.845	(0.903)	467417	200.000	222.70(A)
70 1,2,3-Trichloropropane	110	8.833	8.833	(0.902)	498101	200.000	195.18
71 Bromobenzene	156	8.821	8.821	(0.901)	1426125	200.000	200.42(A)
72 n-Propylbenzene	120	8.916	8.916	(0.911)	1302408	200.000	226.25(A)
73 2-Chlorotoluene	126	9.010	9.010	(0.920)	1210785	200.000	210.76(A)
74 1,3,5-Trimethylbenzene	105	9.093	9.093	(0.929)	4108075	200.000	227.34(A)
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	1268121	200.000	209.09(A)
76 tert-Butylbenzene	119	9.413	9.413	(0.961)	3290046	200.000	235.27(A)
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	4276788	200.000	226.01(A)
78 sec-Butylbenzene	105	9.626	9.626	(0.983)	4702182	200.000	231.63(A)
79 4-Isopropyltoluene	119	9.768	9.768	(0.998)	3916732	200.000	234.72(A)
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	2406976	200.000	201.15(A)
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	2502669	200.000	196.87
82 n-Butylbenzene	91	10.170	10.170	(1.039)	3416730	200.000	234.51(A)
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	2404441	200.000	199.35
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	323727	200.000	213.87(A)
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	1407607	200.000	234.60(A)
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	658200	200.000	207.61(A)
87 Naphthalene	128	12.016	12.016	(1.227)	4246710	200.000	199.68
88 1,2,3-Trichlorobenzene	180	12.264	12.264	(1.253)	1323495	200.000	231.56(A)
98 Cyclohexane	56	4.514	4.514	(0.912)	2091807	200.000	228.67(A)
143 Methyl Acetate	43	2.940	2.940	(0.594)	2072507	400.000	394.82
144 Methylcyclohexane	83	5.437	5.437	(1.098)	1617809	200.000	233.23
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	1499601	200.000	215.88

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76312.D
Report Date: 02-Jun-2004 15:35

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk
Sublist File: 1-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Misc Info: U40602B,N8260UX7-3,1-8260.SUB,1754

Client SDG: SDGa00164
Fraction: VOA

Operator: 1754
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	10.005	100.05	45-155
	42 Trichloroethene	10.000	8.945	89.45	45-155
	59 Chlorobenzene	10.000	9.055	90.55	45-155
	50 Toluene	10.000	9.565	95.65	45-155
	41 Benzene	10.000	9.159	91.59	45-155
	16 Acetone	10.000	8.006	80.06	45-155
	20 Carbon Disulfide	10.000	9.754	97.54	45-155
	9 Chloromethane	10.000	7.663	76.63	45-155
	11 Bromomethane	10.000	8.046	80.46	45-155
	10 Vinyl Chloride	10.000	8.014	80.14	45-155
	12 Chloroethane	10.000	7.445	74.45	45-155
	21 Methylene Chloride	10.000	9.108	91.08	45-155
	28 1,1-Dichloroethane	10.000	9.006	90.06	45-155
M	31 1,2-Dichloroethene	20.000	18.344	91.72	45-155
	35 Chloroform	10.000	8.847	88.47	45-155
	40 1,2-Dichloroethane	10.000	8.953	89.53	45-155
	30 2-Butanone	10.000	7.635	76.35	45-155
	37 1,1,1-Trichloroeth	10.000	9.016	90.16	45-155
	39 Carbon Tetrachlori	10.000	9.475	94.75	45-155
	46 Bromodichlorometha	10.000	8.902	89.02	45-155
	43 1,2-Dichloropropan	10.000	9.048	90.48	45-155
	48 cis-1,3-Dichloropr	10.000	9.114	91.14	45-155
	57 Dibromochlorometha	10.000	8.832	88.32	45-155
	53 1,1,2-Trichloroeth	10.000	8.736	87.36	45-155
	51 trans-1,3-Dichloro	10.000	9.098	90.98	45-155
	66 Bromoform	10.000	9.222	92.22	45-155
	49 4-Methyl-2-pentano	10.000	8.688	86.88	45-155
	56 2-Hexanone	10.000	7.436	74.36	45-155
	55 Tetrachloroethene	10.000	9.237	92.37	45-155
	68 1,1,2,2-Tetrachlor	10.000	9.401	94.01	45-155
	61 Ethylbenzene	10.000	9.601	96.01	45-155
	65 Styrene	10.000	9.595	95.95	45-155
	62 m + p-Xylene	20.000	19.479	97.39	45-155

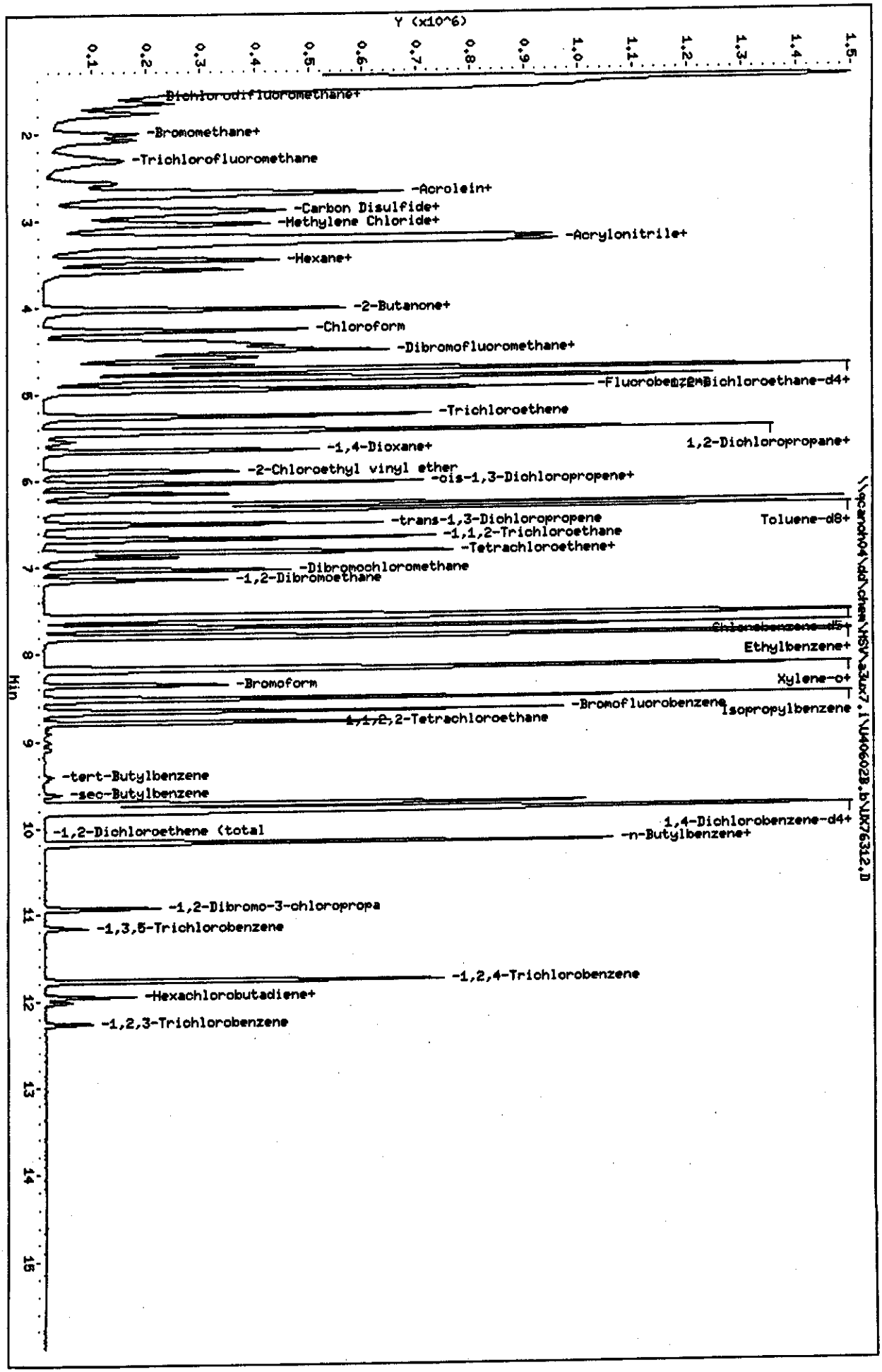
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76312.D
Report Date: 02-Jun-2004 15:35

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
M 63 Xylenes (total)	30.000	29.179	97.26	45-155
64 Xylene-o	10.000	9.700	97.00	45-155
32 cis-1,2-dichloroet	10.000	9.032	90.32	45-155
25 trans-1,2-Dichloro	10.000	9.311	93.11	45-155
8 Dichlorodifluorome	10.000	9.003	90.03	45-155
13 Trichlorofluoromet	10.000	8.853	88.53	45-155
18 Freon-113	10.000	10.929	109.29	45-155
24 Methyl tert-butyl	10.000	7.882	78.82	45-155
58 1,2-Dibromoethane	10.000	9.164	91.64	45-155
67 Isopropylbenzene	10.000	10.163	101.63	45-155
80 1,3-Dichlorobenzen	10.000	9.116	91.16	45-155
81 1,4-Dichlorobenzen	10.000	9.588	95.88	45-155
83 1,2-Dichlorobenzen	10.000	9.288	92.88	45-155
84 1,2-Dibromo-3-chlo	10.000	9.519	95.19	45-155
85 1,2,4-Trichloroben	10.000	10.255	102.55	45-155
98 Cyclohexane	10.000	9.998	99.98	45-155
143 Methyl Acetate	10.000	9.453	94.53	45-155
144 Methylcyclohexane	10.000	10.060	100.60	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.317	93.17	73-122
$ 5 1,2-Dichloroethane	10.000	9.221	92.21	61-128
$ 6 Toluene-d8	10.000	10.046	100.46	76-110
$ 7 Bromofluorobenzene	10.000	9.676	96.76	74-116

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U406028.b\UX76312.D
Date : 02-JUN-2004 14:43
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\U40602B.b\UX76312.D
Report Date: 02-Jun-2004 15:34

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76312.D
Lab Smp Id: ICV
Inj Date : 02-JUN-2004 14:43
Operator : 1754 Inst ID: a3ux7.i
Smp Info : ICV
Misc Info : U40602B,N8260UX7-3,1-8260.SUB,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Meth Date : 02-Jun-2004 15:15 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 7 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.955	4.952	(1.000)	1272144	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.567	(1.000)	1014394	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.791	(1.000)	484934	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.395	(0.888)	267425	46.5842	9.317
$ 5 1,2-Dichloroethane-d4	65	4.671	4.668	(0.943)	364470	46.1062	9.221
$ 6 Toluene-d8	98	6.281	6.277	(0.830)	1133994	50.2296	10.046
$ 7 Bromofluorobenzene	95	8.671	8.667	(1.145)	380395	48.3813	9.676
8 Dichlorodifluoromethane	85	1.583	1.579	(0.320)	304365	45.0160	9.003
9 Chloromethane	50	1.666	1.674	(0.336)	462131	38.3168	7.663
10 Vinyl Chloride	62	1.772	1.780	(0.358)	424055	40.0700	8.014
11 Bromomethane	94	2.009	2.017	(0.405)	229270	40.2316	8.046
12 Chloroethane	64	2.080	2.076	(0.420)	235874	37.2234	7.445
13 Trichlorofluoromethane	101	2.328	2.313	(0.470)	425429	44.2674	8.853
15 Acrolein	56	2.577	2.573	(0.520)	341968	240.537	48.107
16 Acetone	43	2.683	2.680	(0.542)	166613	40.0313	8.006
17 1,1-Dichloroethene	96	2.683	2.692	(0.542)	299646	50.0254	10.005
18 Freon-113	151	2.695	2.703	(0.544)	236142	54.6435	10.929
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76312.D
Report Date: 02-Jun-2004 15:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.885	2.881	(0.582)	1109244	48.7722	9.754
	21 Methylene Chloride	84	3.050	3.047	(0.616)	373365	45.5404	9.108
	22 Acetonitrile	41	2.908	2.893	(0.587)	510909	498.292	99.658
	23 Acrylonitrile	53	3.204	3.200	(0.647)	1399482	452.390	90.478
	24 Methyl tert-butyl ether	73	3.275	3.271	(0.661)	834472	39.4099	7.882
	25 trans-1,2-Dichloroethene	96	3.263	3.259	(0.659)	333009	46.5564	9.311
	26 Hexane	86	3.464	3.461	(0.699)	62620	53.2115	10.642
	27 Vinyl acetate	43	3.464	3.591	(0.699)	213510	14.6252	2.925
	28 1,1-Dichloroethane	63	3.571	3.579	(0.721)	581509	45.0303	9.006
	29 tert-Butyl Alcohol	59	3.121	3.106	(0.630)	47037	102.190	20.438
	30 2-Butanone	43	4.020	4.017	(0.811)	177069	38.1756	7.635
M	31 1,2-Dichloroethene (total)	96				661742	91.7183	18.344
	32 cis-1,2-dichloroethene	96	4.032	4.029	(0.814)	328733	45.1619	9.032
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.269	4.277	(0.862)	536005	44.2364	8.847
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.446	4.443	(0.897)	446904	45.0813	9.016
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.588	4.585	(0.926)	385194	47.3734	9.475
	40 1,2-Dichloroethane	62	4.730	4.727	(0.955)	434481	44.7630	8.953
	41 Benzene	78	4.730	4.739	(0.955)	1377957	45.7961	9.159
	42 Trichloroethene	130	5.251	5.259	(1.060)	317567	44.7237	8.945
	43 1,2-Dichloropropane	63	5.429	5.437	(1.096)	337323	45.2405	9.048
	44 1,4-Dioxane	88	5.547	5.543	(1.119)	67657	1130.94	226.19(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.653	5.662	(1.141)	410237	44.5122	8.902
	47 2-Chloroethyl vinyl ether	63	5.902	5.898	(1.191)	193861	46.2968	9.259
	48 cis-1,3-Dichloropropene	75	6.032	6.040	(1.217)	493315	45.5713	9.114
	49 4-Methyl-2-pentanone	43	6.150	6.159	(1.241)	302552	43.4400	8.688
	50 Toluene	91	6.340	6.336	(0.837)	1380375	47.8262	9.565
	51 trans-1,3-Dichloropropene	75	6.505	6.514	(0.859)	422498	45.4903	9.098
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.671	6.679	(0.881)	272896	43.6791	8.736
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.837	6.833	(0.903)	230824	46.1873	9.237
	56 2-Hexanone	43	6.884	6.892	(0.909)	214683	37.1803	7.436
	57 Dibromochloromethane	129	7.038	7.034	(0.930)	284605	44.1624	8.832
	58 1,2-Dibromoethane	107	7.144	7.141	(0.944)	273662	45.8205	9.164
	59 Chlorobenzene	112	7.594	7.602	(1.003)	817519	45.2739	9.055
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.700	7.697	(1.017)	425746	48.0041	9.601
	62 m + p-Xylene	106	7.807	7.803	(1.031)	1081503	97.3954	19.479
M	63 Xylenes (total)	106				1595629	145.896	29.179
	64 Xylene-o	106	8.174	8.182	(1.080)	514126	48.5008	9.700
	65 Styrene	104	8.186	8.182	(1.081)	914588	47.9737	9.595
	66 Bromoform	173	8.363	8.359	(1.105)	198152	46.1124	9.222

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76312.D
Report Date: 02-Jun-2004 15:34

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.529	8.525	(1.127)	1111159	50.8149	10.163
68 1,1,2,2-Tetrachloroethane	83	8.789	8.797	(0.897)	366548	47.0057	9.401
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	9.416	9.413	(0.961)	12508	0.91231	0.1825
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	9.617	9.626	(0.982)	27911	1.40233	0.2805
79 4-Isopropyltoluene	119	9.759	9.768	(0.996)	25493	1.55824	0.3116
80 1,3-Dichlorobenzene	146	9.736	9.732	(0.994)	534770	45.5820	9.116
81 1,4-Dichlorobenzene	146	9.819	9.815	(1.002)	597511	47.9405	9.588
82 n-Butylbenzene	91	10.162	10.170	(1.037)	53475	3.74359	0.7487
83 1,2-Dichlorobenzene	146	10.185	10.182	(1.040)	549207	46.4425	9.288
84 1,2-Dibromo-3-chloropropane	157	10.943	10.939	(1.117)	70632	47.5938	9.519
85 1,2,4-Trichlorobenzene	180	11.783	11.779	(1.203)	301622	51.2739	10.255
86 Hexachlorobutadiene	225	11.960	11.957	(1.221)	42487	13.6686	2.734
87 Naphthalene	128	12.019	12.016	(1.227)	51992	7.64660	1.529
88 1,2,3-Trichlorobenzene	180	12.268	12.264	(1.252)	37210	6.64021	1.328
98 Cyclohexane	56	4.506	4.514	(0.909)	483883	49.9922	9.998
143 Methyl Acetate	43	2.944	2.940	(0.594)	262535	47.2675	9.453
144 Methylcyclohexane	83	5.440	5.437	(1.098)	369185	50.3017	10.060
141 1,3,5-Trichlorobenzene	180	11.167	11.164	(1.140)	32680	4.79841	0.9597

QC Flag Legend

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

Report Date: 27-Jun-2004 20:11

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\N8260UX7-3.m
Start Cal Date: 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
21-APR-2004 09:38	3-IX	UX74908.D
02-JUN-2004 12:14	1-8260	UX76306.D
Cal Level: 2 , Cal Amount: 10.000		
21-APR-2004 10:02	3-IX	UX74909.D
02-JUN-2004 12:38	1-8260	UX76307.D
Cal Level: 3 , Cal Amount: 25.000		
21-APR-2004 10:26	3-IX	UX74910.D
02-JUN-2004 13:01	1-8260	UX76308.D
Cal Level: 4 , Cal Amount: 50.000		
21-APR-2004 10:50	3-IX	UX74911.D
02-JUN-2004 13:25	1-8260	UX76309.D
Cal Level: 5 , Cal Amount: 100.00		
21-APR-2004 11:13	3-IX	UX74912.D
02-JUN-2004 13:48	1-8260	UX76310.D
Cal Level: 6 , Cal Amount: 200.00		
21-APR-2004 11:55	3-IX	UX74913.D
02-JUN-2004 14:12	1-8260	UX76311.D

Continuing Calibration

27-JUN-2004 18:20	1-8260	UX77124.D
27-JUN-2004 17:56	3-IX	UX77123.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b/UX77124.D
Report Date: 06/27/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77124.D
Analysis Type: WATER

Injection Date: 27-JUN-2004 18:20
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40627A.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	51.5135	3.0	50.0
0 Bromodichloromethane	50.0000	50.7597	1.5	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	61.4844	23.0	50.0
0 Bromoform	50.0000	46.3481	7.3	50.0
0 Styrene	50.0000	56.6520	13.3	50.0
0 Xylene-o	50.0000	55.5343	11.1	50.0
0 Xylenes (total)	150.0000	170.5271	13.7	50.0
0 2-Hexanone	100.0000	104.6968	4.7	50.0
0 Chloromethane	50.0000	55.2947	10.6	50.0
0 Vinyl Chloride	50.0000	48.3227	3.4	20.0
0 Bromomethane	50.0000	43.3370	13.3	50.0
0 Chloroethane	50.0000	48.4113	3.2	50.0
0 1,1-Dichloroethane	50.0000	50.7242	1.4	50.0
0 Tetrachloroethene	50.0000	46.9654	6.1	50.0
0 Acetone	100.0000	74.2258	25.8	50.0
0 1,1-Dichloroethene	50.0000	48.9261	2.1	20.0
0 m + p-Xylene	100.0000	114.9929	15.0	50.0
0 Ethylbenzene	50.0000	55.0699	10.1	20.0
0 Carbon Disulfide	50.0000	49.4675	1.1	50.0
0 Methylene Chloride	50.0000	48.0507	3.9	50.0
0 1,2-Dichloropropane	50.0000	49.8455	0.3	20.0
0 1,1,2-Trichloroethane	50.0000	53.8836	7.8	50.0
0 Dibromochloromethane	50.0000	52.3700	4.7	50.0
0 trans-1,2-Dichloroethene	50.0000	47.5052	5.0	50.0
0 trans-1,3-Dichloropropene	50.0000	58.6638	17.3	50.0
0 cis-1,3-Dichloropropene	50.0000	49.6734	0.7	50.0
0 Chloroform	50.0000	49.6561	0.7	20.0
0 Toluene	50.0000	56.0482	12.1	20.0
0 2-Butanone	100.0000	84.2024	15.8	50.0
0 1,2-Dichloroethene (total)	100.0000	95.1690	4.8	50.0
0 cis-1,2-dichloroethene	50.0000	47.6639	4.7	50.0
0 4-Methyl-2-pentanone	100.0000	107.2394	7.2	50.0
0 1,2-Dichloroethane	50.0000	54.5739	9.1	50.0
0 Trichloroethene	50.0000	44.3340	11.3	50.0
0 1,1,1-Trichloroethane	50.0000	50.3050	0.6	50.0
0 Carbon Tetrachloride	50.0000	51.8897	3.8	50.0
0 Benzene	50.0000	47.8532	4.3	50.0
38 Dichlorodifluoromethane	50.0000	61.7036	23.4	50.0
39 Trichlorofluoromethane	50.0000	57.0432	14.1	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b/UX77124.D
Report Date: 06/27/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77124.D
Analysis Type: WATER

Injection Date: 27-JUN-2004 18:20
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	434.8546	13.0	50.0	
41 Acrylonitrile	500.0000	511.2199	2.2	50.0	
42 Vinyl acetate	50.0000	50.6767	1.4	50.0	
43 2-Chloroethyl vinyl ether	100.0000	91.0861	8.9	50.0	
47 Freon-113	50.0000	47.1092	5.8	50.0	
48 1,3-Dichlorobenzene	50.0000	53.9341	7.9	50.0	
49 1,4-Dichlorobenzene	50.0000	53.3875	6.8	50.0	
50 1,2-Dichlorobenzene	50.0000	54.4211	8.8	50.0	
51 Acetonitrile	500.0000	573.7991	14.8	50.0	
52 Iodomethane	50.0000	42.2129	15.6	50.0	
59 1,4-Dioxane	2500.0000	3019.7075	20.8	50.0	
60 Dibromomethane	50.0000	49.1133	1.8	50.0	
62 Ethyl Methacrylate	50.0000	57.9921	16.0	50.0	
63 1,2-Dibromoethane	50.0000	54.3545	8.7	50.0	
64 1,1,1,2-Tetrachloroethane	50.0000	54.0761	8.2	50.0	
65 1,2,3-Trichloropropane	50.0000	60.8455	21.7	50.0	
66 1,4-Dichloro-2-butene	50.0000	77.6043	55.2	50.0	<-
69 1,2-Dibromo-3-chloropropane	50.0000	51.9922	4.0	50.0	
82 Methyl tert-butyl ether	50.0000	43.3375	13.3	50.0	
84 Tetrahydrofuran	50.0000	55.8505	11.7	50.0	
98 2,2-Dichloropropane	50.0000	54.9279	9.9	50.0	
99 1,1-Dichloropropene	50.0000	51.4387	2.9	50.0	
100 1,3-Dichloropropane	50.0000	56.2641	12.5	50.0	
102 Bromobenzene	50.0000	52.6183	5.2	50.0	
103 2-Chlorotoluene	50.0000	60.9714	21.9	50.0	
104 n-Propylbenzene	50.0000	62.4054	24.8	50.0	
105 4-Chlorotoluene	50.0000	62.8236	25.6	50.0	
106 1,3,5-Trimethylbenzene	50.0000	65.4335	30.9	50.0	
107 tert-Butylbenzene	50.0000	62.4476	24.9	50.0	
108 1,2,4-Trimethylbenzene	50.0000	65.4031	30.8	50.0	
109 sec-Butylbenzene	50.0000	61.8448	23.7	50.0	
110 4-Isopropyltoluene	50.0000	61.4770	23.0	50.0	
111 n-Butylbenzene	50.0000	60.8743	21.7	50.0	
112 1,2,4-Trichlorobenzene	50.0000	44.0000	12.0	50.0	
113 Naphthalene	50.0000	48.2201	3.6	50.0	
114 Hexachlorobutadiene	50.0000	39.8691	20.3	50.0	
115 1,2,3-Trichlorobenzene	50.0000	46.8179	6.4	50.0	
124 tert-Butyl Alcohol	1000.0000	1116.5862	11.7	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b/UX77124.D
Report Date: 06/27/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77124.D
Analysis Type: WATER

Injection Date: 27-JUN-2004 18:20
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	46.6572	6.7	20.0
127 Cyclohexane	50.0000	53.3639	6.7	50.0
128 Isopropylbenzene	50.0000	53.9718	7.9	50.0
130 Fluorobenzene	50.0000	50.0000	0.0	50.0
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0
133 Bromochloromethane	50.0000	44.6071	10.8	50.0
141 1,3,5-Trichlorobenzene	50.0000	46.7696	6.5	50.0
143 Methyl Acetate	100.0000	107.5869	7.6	50.0
144 Methylcyclohexane	50.0000	48.7895	2.4	50.0
22 Toluene-d8	50.0000	53.5328	7.1	50.0
32 Bromofluorobenzene	50.0000	51.3573	2.7	50.0
47 1,2-Dichloroethane-d4	50.0000	52.2609	4.5	50.0
131 Dibromofluoromethane	50.0000	46.3970	7.2	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77124.D
Report Date: 27-Jun-2004 20:21

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 27-JUN-2004 18:20
Lab File ID: UX77124.D Init. Cal. Date(s): 20-APR-2004 02-JUN-2004
Analysis Type: WATER Init. Cal. Times: 14:54 14:12
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40627A.b\N8260UX7-3.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
$	4 Dibromofluoromethane	0.22563	0.20937	0.010	-7.2	50.0
$	5 1,2-Dichloroethane-d4	0.31070	0.32475	0.010	4.5	50.0
$	6 Toluene-d8	1.11279	1.19142	0.010	7.1	50.0
$	7 Bromofluorobenzene	0.38754	0.39806	0.010	2.7	50.0
	8 Dichlorodifluoromethane	0.26574	0.32795	0.010	23.4	50.0
	9 Chloromethane	0.47403	0.52423	0.100	10.6	50.0
	10 Vinyl Chloride	0.41595	0.40199	0.010	-3.4	20.0
	11 Bromomethane	50.00000	43.33703	0.010	13.3	50.0
	12 Chloroethane	0.24906	0.24114	0.010	-3.2	50.0
	13 Trichlorofluoromethane	0.37773	0.43093	0.010	14.1	50.0
	15 Acrolein	0.05588	0.04860	0.010	-13.0	50.0
	16 Acetone	100	74.22578	0.010	25.8	50.0
	17 1,1-Dichloroethene	0.23542	0.23037	0.010	-2.1	20.0
	18 Freon-113	0.16985	0.16003	0.010	-5.8	50.0
	19 Iodomethane	0.38516	0.32517	0.010	-15.6	50.0
	20 Carbon Disulfide	0.89390	0.88438	0.010	-1.1	50.0
	21 Methylene Chloride	50.00000	48.05071	0.010	3.9	50.0
	22 Acetonitrile	0.04030	0.04625	0.010	14.8	50.0
	23 Acrylonitrile	0.12159	0.12432	0.010	2.2	50.0
	24 Methyl tert-butyl ether	0.83222	0.72133	0.010	-13.3	50.0
	25 trans-1,2-Dichloroethene	0.28113	0.26710	0.010	-5.0	50.0
	26 Hexane	50.00000	46.65721	0.010	6.7	20.0
	27 Vinyl acetate	0.57378	0.58155	0.010	1.4	50.0
	28 1,1-Dichloroethane	0.50756	0.51491	0.100	1.4	50.0
	29 tert-Butyl Alcohol	0.01809	0.02020	0.010	11.7	50.0
	30 2-Butanone	0.18230	0.15350	0.010	-15.8	50.0
M	31 1,2-Dichloroethene (total)	0.28361	0.26991	0.010	-4.8	50.0
	32 cis-1,2-dichloroethene	0.28609	0.27272	0.010	-4.7	50.0
	33 2,2-Dichloropropane	0.32068	0.35229	0.010	9.9	50.0
	34 Bromochloromethane	0.14155	0.12628	0.010	-10.8	50.0
	35 Chloroform	0.47624	0.47296	0.010	-0.7	20.0
	36 Tetrahydrofuran	0.07595	0.08484	0.010	11.7	50.0
	37 1,1,1-Trichloroethane	0.38963	0.39201	0.010	0.6	50.0
	38 1,1-Dichloropropene	0.34871	0.35874	0.010	2.9	50.0
	39 Carbon Tetrachloride	0.31958	0.33166	0.010	3.8	50.0
	40 1,2-Dichloroethane	0.38149	0.41639	0.010	9.1	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77124.D
Report Date: 27-Jun-2004 20:21

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 27-JUN-2004 18:20
Lab File ID: UX77124.D Init. Cal. Date(s): 20-APR-2004 02-JUN-2004
Analysis Type: WATER Init. Cal. Times: 14:54 14:12
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40627A.b\N8260UX7-3.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	1.18261	1.13183	0.010	-4.3	50.0	
	42 Trichloroethene	0.27908	0.24746	0.010	-11.3	50.0	
	43 1,2-Dichloropropane	0.29306	0.29215	0.010	-0.3	20.0	
	44 1,4-Dioxane	0.00235	0.00284	0.010	20.8	50.0	<-
	45 Dibromomethane	0.15907	0.15625	0.010	-1.8	50.0	
	46 Bromodichloromethane	0.36223	0.36774	0.010	1.5	50.0	
	47 2-Chloroethyl vinyl ether	0.16458	0.14991	0.010	-8.9	50.0	
	48 cis-1,3-Dichloropropene	0.42547	0.42269	0.010	-0.7	50.0	
	49 4-Methyl-2-pentanone	0.27374	0.29356	0.010	7.2	50.0	
	50 Toluene	1.42264	1.59473	0.010	12.1	20.0	
	51 trans-1,3-Dichloropropene	0.45779	0.53712	0.010	17.3	50.0	
	52 Ethyl Methacrylate	0.41398	0.48015	0.010	16.0	50.0	
	53 1,1,2-Trichloroethane	0.30795	0.33187	0.010	7.8	50.0	
	54 1,3-Dichloropropane	0.55092	0.61994	0.010	12.5	50.0	
	55 Tetrachloroethene	0.24633	0.23138	0.010	-6.1	50.0	
	56 2-Hexanone	0.28461	0.29798	0.010	4.7	50.0	
	57 Dibromochloromethane	0.31765	0.33271	0.010	4.7	50.0	
	58 1,2-Dibromoethane	0.29439	0.32002	0.010	8.7	50.0	
	59 Chlorobenzene	0.89005	0.91699	0.300	3.0	50.0	
	60 1,1,1,2-Tetrachloroethane	0.31828	0.34423	0.010	8.2	50.0	
	61 Ethylbenzene	0.43716	0.48148	0.010	10.1	20.0	
	62 m + p-Xylene	0.54733	0.62940	0.010	15.0	50.0	
M	63 Xylenes (total)	0.53906	0.61304	0.010	13.7	50.0	
	64 Xylene-o	0.52250	0.58033	0.010	11.1	50.0	
	65 Styrene	0.93969	1.06471	0.010	13.3	50.0	
	66 Bromoform	0.21181	0.19634	0.100	-7.3	50.0	
	67 Isopropylbenzene	1.07783	1.16344	0.010	7.9	50.0	
	68 1,1,2,2-Tetrachloroethane	0.80402	0.98870	0.300	23.0	50.0	
	69 1,4-Dichloro-2-butene	0.21217	0.32930	0.010	55.2	50.0	<-
	70 1,2,3-Trichloropropane	0.25798	0.31394	0.010	21.7	50.0	
	71 Bromobenzene	0.71933	0.75699	0.010	5.2	50.0	
	72 n-Propylbenzene	0.58191	0.72628	0.010	24.8	50.0	
	73 2-Chlorotoluene	0.58074	0.70816	0.010	21.9	50.0	
	74 1,3,5-Trimethylbenzene	1.82667	2.39050	0.010	30.9	50.0	
	75 4-Chlorotoluene	0.61309	0.77032	0.010	25.6	50.0	
	76 tert-Butylbenzene	1.41362	1.76555	0.010	24.9	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77124.D
Report Date: 27-Jun-2004 20:21

STL North Canton

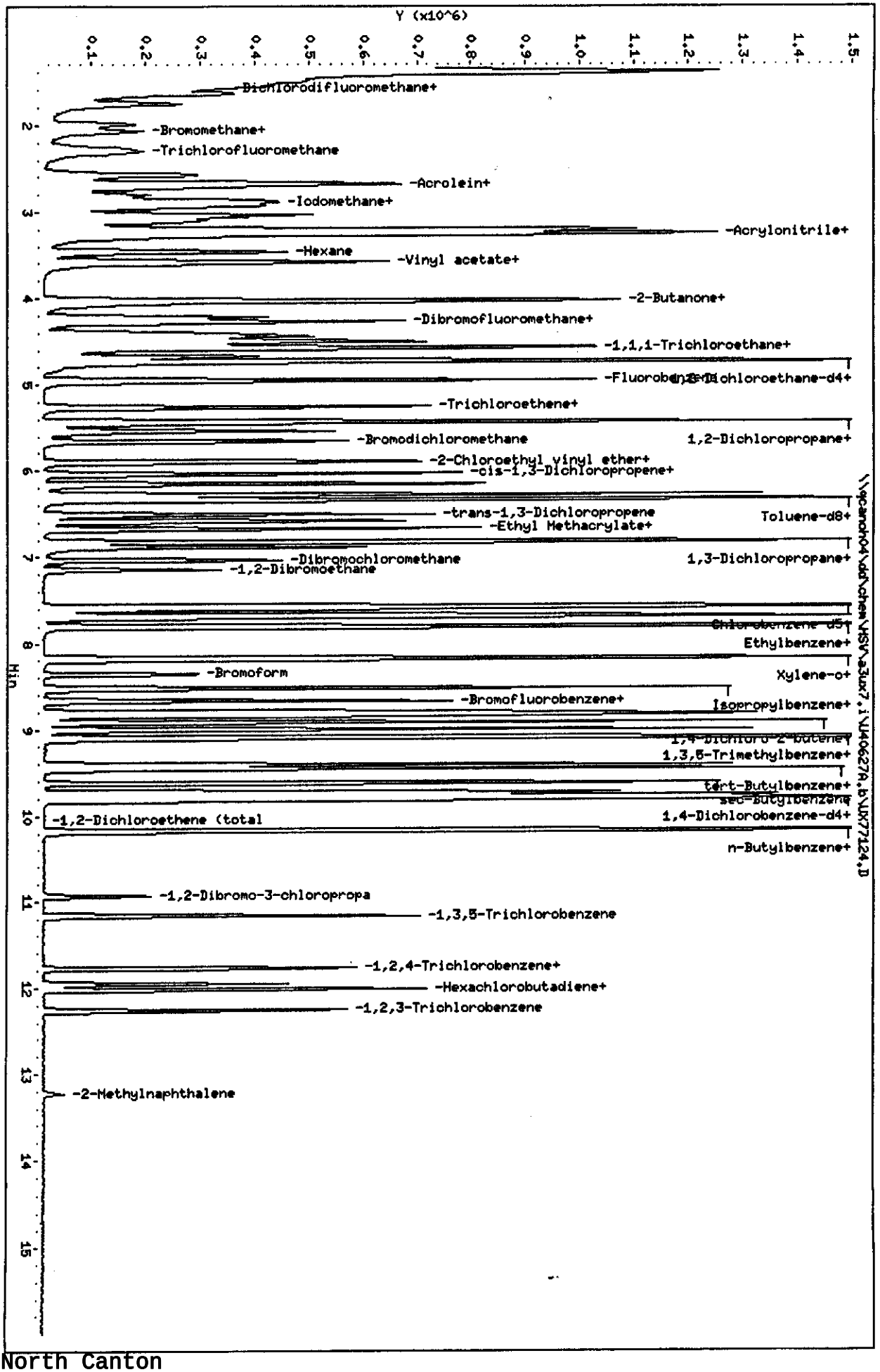
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 27-JUN-2004 18:20
Lab File ID: UX77124.D Init. Cal. Date(s): 20-APR-2004 02-JUN-2004
Analysis Type: WATER Init. Cal. Times: 14:54 14:12
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40627A.b\N8260UX7-3.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	1.91286	2.50214	0.010	30.8	50.0
78 sec-Butylbenzene	2.05217	2.53831	0.010	23.7	50.0
79 4-Isopropyltoluene	1.68684	2.07404	0.010	23.0	50.0
80 1,3-Dichlorobenzene	1.20965	1.30483	0.010	7.9	50.0
81 1,4-Dichlorobenzene	1.28508	1.37214	0.010	6.8	50.0
82 n-Butylbenzene	1.47282	1.79314	0.010	21.7	50.0
83 1,2-Dichlorobenzene	1.21929	1.32711	0.010	8.8	50.0
84 1,2-Dibromo-3-chloropropane	0.15302	0.15911	0.010	4.0	50.0
85 1,2,4-Trichlorobenzene	0.60653	0.53375	0.010	-12.0	50.0
86 Hexachlorobutadiene	0.32049	0.25556	0.010	-20.3	50.0
87 Naphthalene	50.00000	48.22013	0.010	3.6	50.0
88 1,2,3-Trichlorobenzene	0.57778	0.54101	0.010	-6.4	50.0
98 Cyclohexane	0.38043	0.40602	0.010	6.7	50.0
143 Methyl Acetate	0.21830	0.23486	0.010	7.6	50.0
144 Methylcyclohexane	0.28847	0.28148	0.010	-2.4	50.0
141 1,3,5-Trichlorobenzene	0.70222	0.65685	0.010	-6.5	50.0

Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\UA0627A.b\UX77124.D
Date : 27-JUN-2004 18:20
Client ID:
Sample Info: 50NC-CC
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77124.D
Report Date: 27-Jun-2004 20:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77124.D
Lab Smp Id: 50NG-CC
Inj Date : 27-JUN-2004 18:20
Operator : 1903 Inst ID: a3ux7.i
Smp Info : 50NG-CC
Misc Info : U40627A,N8260UX7-3,2-8260.SUB,1903,2
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40627A.b\N8260UX7-3.m
Meth Date : 27-Jun-2004 18:55 laveyt Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.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	4.955	4.955	(1.000)	1143366	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.570	(1.000)	808200	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.794	(1.000)	366487	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.399	(0.888)	239388	50.0000	46.397
$ 5 1,2-Dichloroethane-d4	65	4.671	4.671	(0.943)	371303	50.0000	52.261
$ 6 Toluene-d8	98	6.280	6.280	(0.830)	962904	50.0000	53.533
$ 7 Bromofluorobenzene	95	8.670	8.670	(1.145)	321715	50.0000	51.357
8 Dichlorodifluoromethane	85	1.582	1.582	(0.319)	374962	50.0000	61.704
9 Chloromethane	50	1.642	1.642	(0.331)	599388	50.0000	55.295
10 Vinyl Chloride	62	1.748	1.748	(0.353)	459625	50.0000	48.323
11 Bromomethane	94	1.997	1.997	(0.403)	220386	50.0000	43.337
12 Chloroethane	64	2.068	2.068	(0.417)	275715	50.0000	48.411
13 Trichlorofluoromethane	101	2.304	2.304	(0.465)	492715	50.0000	57.043
15 Acrolein	56	2.576	2.576	(0.520)	555643	500.000	434.85
16 Acetone	43	2.683	2.683	(0.541)	262796	100.000	74.226
17 1,1-Dichloroethene	96	2.671	2.671	(0.539)	263395	50.0000	48.926
18 Freon-113	151	2.695	2.695	(0.544)	182974	50.0000	47.109

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77124.D
Report Date: 27-Jun-2004 20:21

	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)	371791	50.0000	42.213
	20 Carbon Disulfide	76	2.872	2.872	(0.580)	1011169	50.0000	49.468
	21 Methylene Chloride	84	3.038	3.038	(0.613)	352044	50.0000	48.051
	22 Acetonitrile	41	2.896	2.896	(0.584)	528772	500.000	573.80
	23 Acrylonitrile	53	3.203	3.203	(0.647)	1421382	500.000	511.22
	24 Methyl tert-butyl ether	73	3.251	3.251	(0.656)	824744	50.0000	43.337
	25 trans-1,2-Dichloroethene	96	3.251	3.251	(0.656)	305398	50.0000	47.505
	26 Hexane	86	3.464	3.464	(0.699)	48970	50.0000	46.657
	27 Vinyl acetate	43	3.594	3.594	(0.725)	664924	50.0000	50.677
	28 1,1-Dichloroethane	63	3.570	3.570	(0.721)	588730	50.0000	50.724
	29 tert-Butyl Alcohol	59	3.109	3.109	(0.627)	461924	1000.00	1116.6(A)
	30 2-Butanone	43	4.020	4.020	(0.811)	351019	100.000	84.202
M	31 1,2-Dichloroethene (total)	96				617222	100.000	95.169
	32 cis-1,2-dichloroethene	96	4.032	4.032	(0.814)	311824	50.0000	47.664
	33 2,2-Dichloropropane	77	4.044	4.044	(0.816)	402797	50.0000	54.928
	34 Bromochloromethane	128	4.221	4.221	(0.852)	144388	50.0000	44.607
	35 Chloroform	83	4.268	4.268	(0.861)	540768	50.0000	49.656
	36 Tetrahydrofuran	42	4.257	4.257	(0.859)	97001	50.0000	55.850
	37 1,1,1-Trichloroethane	97	4.446	4.446	(0.897)	448206	50.0000	50.305
	38 1,1-Dichloropropene	75	4.564	4.564	(0.921)	410171	50.0000	51.439
	39 Carbon Tetrachloride	117	4.588	4.588	(0.926)	379206	50.0000	51.890
	40 1,2-Dichloroethane	62	4.730	4.730	(0.955)	476086	50.0000	54.574
	41 Benzene	78	4.730	4.730	(0.955)	1294100	50.0000	47.853
	42 Trichloroethene	130	5.251	5.251	(1.060)	282933	50.0000	44.334
	43 1,2-Dichloropropane	63	5.428	5.428	(1.096)	334036	50.0000	49.845
	44 1,4-Dioxane	88	5.535	5.535	(1.117)	162363	2500.00	3019.7(A)
	45 Dibromomethane	93	5.535	5.535	(1.117)	178650	50.0000	49.113
	46 Bromodichloromethane	83	5.653	5.653	(1.141)	420459	50.0000	50.760
	47 2-Chloroethyl vinyl ether	63	5.901	5.901	(1.191)	342800	100.000	91.086
	48 cis-1,3-Dichloropropene	75	6.032	6.032	(1.217)	483288	50.0000	49.673
	49 4-Methyl-2-pentanone	43	6.150	6.150	(1.241)	671295	100.000	107.24
	50 Toluene	91	6.339	6.339	(0.837)	1288859	50.0000	56.048
	51 trans-1,3-Dichloropropene	75	6.505	6.505	(0.859)	434098	50.0000	58.664
	52 Ethyl Methacrylate	69	6.588	6.588	(0.870)	388056	50.0000	57.992
	53 1,1,2-Trichloroethane	97	6.671	6.671	(0.881)	268221	50.0000	53.884
	54 1,3-Dichloropropane	76	6.824	6.824	(0.902)	501036	50.0000	56.264
	55 Tetrachloroethene	164	6.836	6.836	(0.903)	187003	50.0000	46.965
	56 2-Hexanone	43	6.883	6.883	(0.909)	481649	100.000	104.70
	57 Dibromochloromethane	129	7.037	7.037	(0.930)	268896	50.0000	52.370
	58 1,2-Dibromoethane	107	7.144	7.144	(0.944)	258644	50.0000	54.354
	59 Chlorobenzene	112	7.593	7.593	(1.003)	741110	50.0000	51.513
	60 1,1,1,2-Tetrachloroethane	131	7.664	7.664	(1.013)	278206	50.0000	54.076
	61 Ethylbenzene	106	7.700	7.700	(1.017)	389134	50.0000	55.070
	62 m + p-Xylene	106	7.806	7.806	(1.031)	1017355	100.000	114.99
M	63 Xylenes (total)	106				1486378	150.000	170.53
	64 Xylene-o	106	8.173	8.173	(1.080)	469023	50.0000	55.534
	65 Styrene	104	8.185	8.185	(1.081)	860498	50.0000	56.652

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77124.D
Report Date: 27-Jun-2004 20:21

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)	158681	50.0000	46.348
67 Isopropylbenzene	105	8.528	8.528	(1.127)	940295	50.0000	53.972
68 1,1,2,2-Tetrachloroethane	83	8.789	8.789	(0.897)	362344	50.0000	61.484
69 1,4-Dichloro-2-butene	53	8.848	8.848	(0.903)	120685	50.0000	77.604
70 1,2,3-Trichloropropane	110	8.836	8.836	(0.902)	115054	50.0000	60.846
71 Bromobenzene	156	8.812	8.812	(0.900)	277428	50.0000	52.618
72 n-Propylbenzene	120	8.919	8.919	(0.911)	266174	50.0000	62.405
73 2-Chlorotoluene	126	9.002	9.002	(0.919)	259533	50.0000	60.971
74 1,3,5-Trimethylbenzene	105	9.084	9.084	(0.927)	876088	50.0000	65.433
75 4-Chlorotoluene	126	9.108	9.108	(0.930)	282314	50.0000	62.824
76 tert-Butylbenzene	119	9.404	9.404	(0.960)	647051	50.0000	62.448
77 1,2,4-Trimethylbenzene	105	9.451	9.451	(0.965)	917001	50.0000	65.403
78 sec-Butylbenzene	105	9.617	9.617	(0.982)	930259	50.0000	61.845
79 4-Isopropyltoluene	119	9.759	9.759	(0.996)	760109	50.0000	61.477
80 1,3-Dichlorobenzene	146	9.723	9.723	(0.993)	478204	50.0000	53.934
81 1,4-Dichlorobenzene	146	9.818	9.818	(1.002)	502873	50.0000	53.387
82 n-Butylbenzene	91	10.161	10.161	(1.037)	657162	50.0000	60.874
83 1,2-Dichlorobenzene	146	10.185	10.185	(1.040)	486367	50.0000	54.421
84 1,2-Dibromo-3-chloropropane	157	10.942	10.942	(1.117)	58313	50.0000	51.992
85 1,2,4-Trichlorobenzene	180	11.782	11.782	(1.203)	195612	50.0000	44.000
86 Hexachlorobutadiene	225	11.960	11.960	(1.221)	93658	50.0000	39.869
87 Naphthalene	128	12.019	12.019	(1.227)	610221	50.0000	48.220
88 1,2,3-Trichlorobenzene	180	12.267	12.267	(1.252)	198274	50.0000	46.818
98 Cyclohexane	56	4.505	4.505	(0.909)	464231	50.0000	53.364
143 Methyl Acetate	43	2.943	2.943	(0.594)	537073	100.000	107.59
144 Methylcyclohexane	83	5.440	5.440	(1.098)	321837	50.0000	48.789
141 1,3,5-Trichlorobenzene	180	11.167	11.167	(1.140)	240727	50.0000	46.770

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b/UX77123.D
Report Date: 06/27/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77123.D
Analysis Type: WATER

Injection Date: 27-JUN-2004 17:56
Lab Sample ID: 50NG-A9CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40627A.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
53 3-Chloropropene	50.0000	54.8394	9.7	50.0	
54 2-Chloro-1,3-butadiene	50.0000	46.1062	7.8	50.0	
55 Propionitrile	100.0000	100.3736	0.4	50.0	
56 Methacrylonitrile	50.0000	44.4434	11.1	50.0	
57 Isobutanol	1000.0000	1579.3650	57.9	50.0	<-
58 Methyl Methacrylate	50.0000	46.0527	7.9	50.0	
73 n-Butanol	1000.0000	1670.7174	67.1	50.0	<-
74 Ethyl Acetate	100.0000	97.3211	2.7	50.0	
75 Cyclohexanone	500.0000	780.2620	56.1	50.0	<-
76 Ethyl Ether	50.0000	42.9958	14.0	50.0	
85 Dichlorofluoromethane	50.0000	40.9670	18.1	50.0	
86 2-Nitropropane	100.0000	98.8005	1.2	50.0	
126 Isopropyl Ether	250.0000	235.5864	5.8	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: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77123.D
Report Date: 27-Jun-2004 20:09

STL North Canton

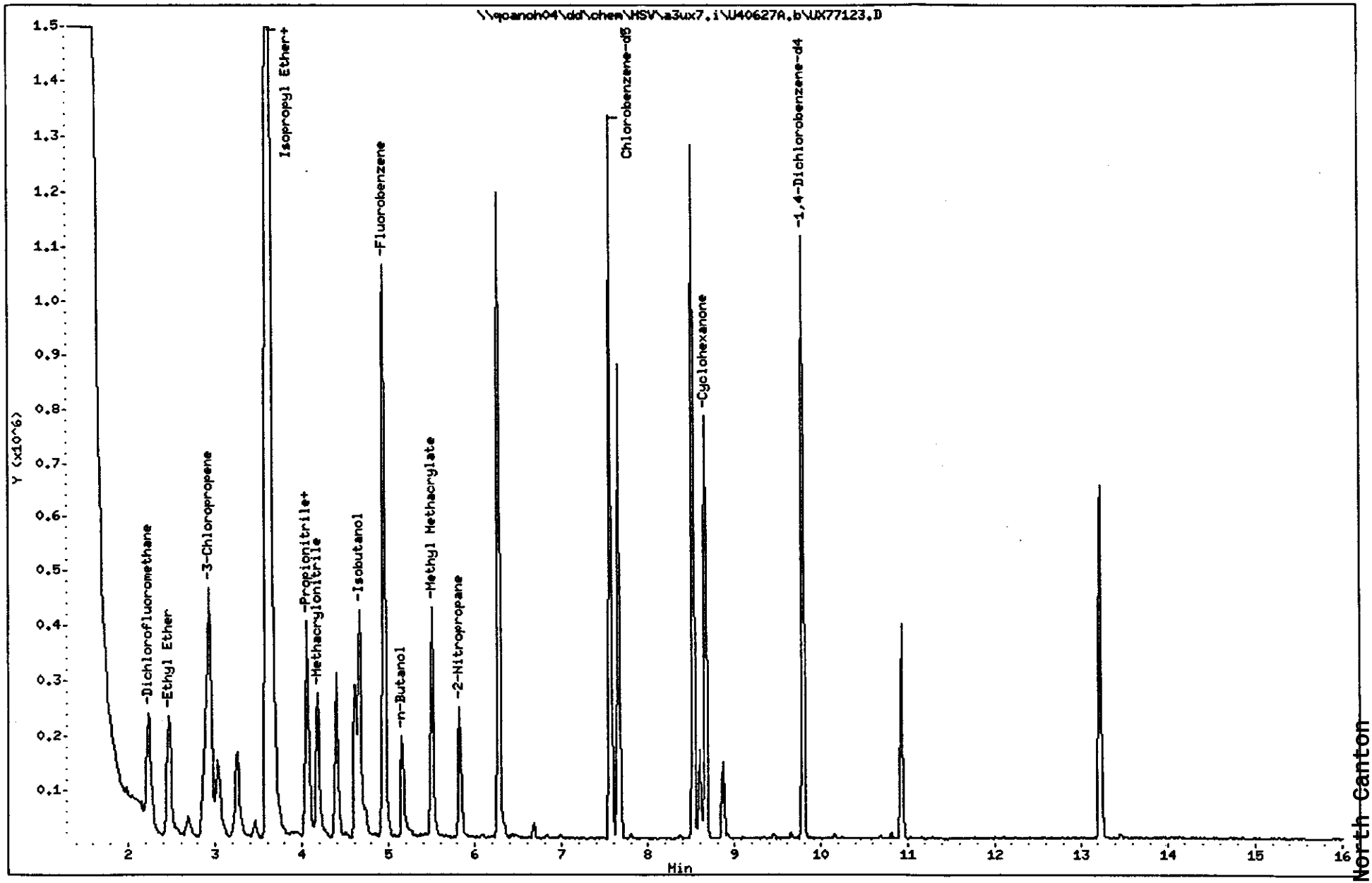
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 27-JUN-2004 17:56
Lab File ID: UX77123.D Init. Cal. Date(s): 20-APR-2004 02-JUN-2004
Analysis Type: WATER Init. Cal. Times: 14:54 14:12
Lab Sample ID: 50NG-A9CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40627A.b\N8260UX7-3.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
14 Dichlorofluoromethane	0.47191	0.38666	0.010	-18.1	50.0	
89 Ethyl Ether	0.23941	0.20587	0.010	-14.0	50.0	
91 3-Chloropropene	0.13562	0.14875	0.010	9.7	50.0	
92 Isopropyl Ether	0.23496	0.22141	0.010	-5.8	50.0	
93 2-Chloro-1,3-butadiene	0.45636	0.42082	0.010	-7.8	50.0	
94 Propionitrile	0.04105	0.04120	0.010	0.4	50.0	
95 Ethyl Acetate	0.27636	0.26895	0.010	-2.7	50.0	
96 Methacrylonitrile	0.19966	0.17747	0.010	-11.1	50.0	
97 Isobutanol	1000	1579	0.010	-57.9	50.0	<-
99 n-Butanol	1000	1671	0.010	-67.1	50.0	<-
100 Methyl Methacrylate	0.24614	0.22671	0.010	-7.9	50.0	
101 2-Nitropropane	0.07868	0.07773	0.010	-1.2	50.0	
103 Cyclohexanone	0.01846	0.02880	0.010	56.1	50.0	<-

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40627A.b\UX77123.D
Date : 27-JUN-2004 17:56
Client ID:
Sample Info: 50NG-A9CC
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77123.D
Report Date: 27-Jun-2004 20:09

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77123.D
Lab Smp Id: 50NG-A9CC
Inj Date : 27-JUN-2004 17:56
Operator : 1903 Inst ID: a3ux7.i
Smp Info : 50NG-A9CC
Misc Info : U40627A,N8260UX7-3,3-IX.SUB,1903,2
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40627A.b\N8260UX7-3.m
Meth Date : 27-Jun-2004 18:55 laveyt Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.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	4.951	4.955	(1.000)	1143323	50.0000	
* 2 Chlorobenzene-d5	117	7.566	7.570	(1.000)	768033	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.794	(1.000)	302594	50.0000	
14 Dichlorofluoromethane	67	2.230	2.230	(0.450)	442075	50.0000	40.967
89 Ethyl Ether	59	2.466	2.466	(0.498)	235374	50.0000	42.996
91 3-Chloropropene	76	2.940	2.940	(0.594)	170067	50.0000	54.839
92 Isopropyl Ether	87	3.626	3.626	(0.732)	1265732	250.000	235.59(A)
93 2-Chloro-1,3-butadiene	53	3.650	3.650	(0.737)	481129	50.0000	46.106
94 Propionitrile	54	4.052	4.052	(0.818)	94219	100.000	100.37
95 Ethyl Acetate	43	4.064	4.064	(0.821)	614999	100.000	97.321
96 Methacrylonitrile	41	4.182	4.182	(0.845)	202903	50.0000	44.443
97 Isobutanol	41	4.620	4.620	(0.611)	214045	1000.00	1579.4(A)
99 n-Butanol	56	5.152	5.152	(0.681)	129767	1000.00	1670.7(A)
100 Methyl Methacrylate	41	5.507	5.507	(1.112)	259205	50.0000	46.053
101 2-Nitropropane	41	5.827	5.827	(1.177)	177750	100.000	98.800
103 Cyclohexanone	55	8.596	8.596	(0.878)	87160	500.000	780.26(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77123.D
Report Date: 27-Jun-2004 20:09

QC Flag Legend

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

SEVERN TRENT STL

RAW QC DATA

Data File: \\qcanoh04\[illegible]\chem\MSV\a3ux7.i\U40421A.b\[illegible]FB222.D

Date : 21-[illegible]R-2004 08:50

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

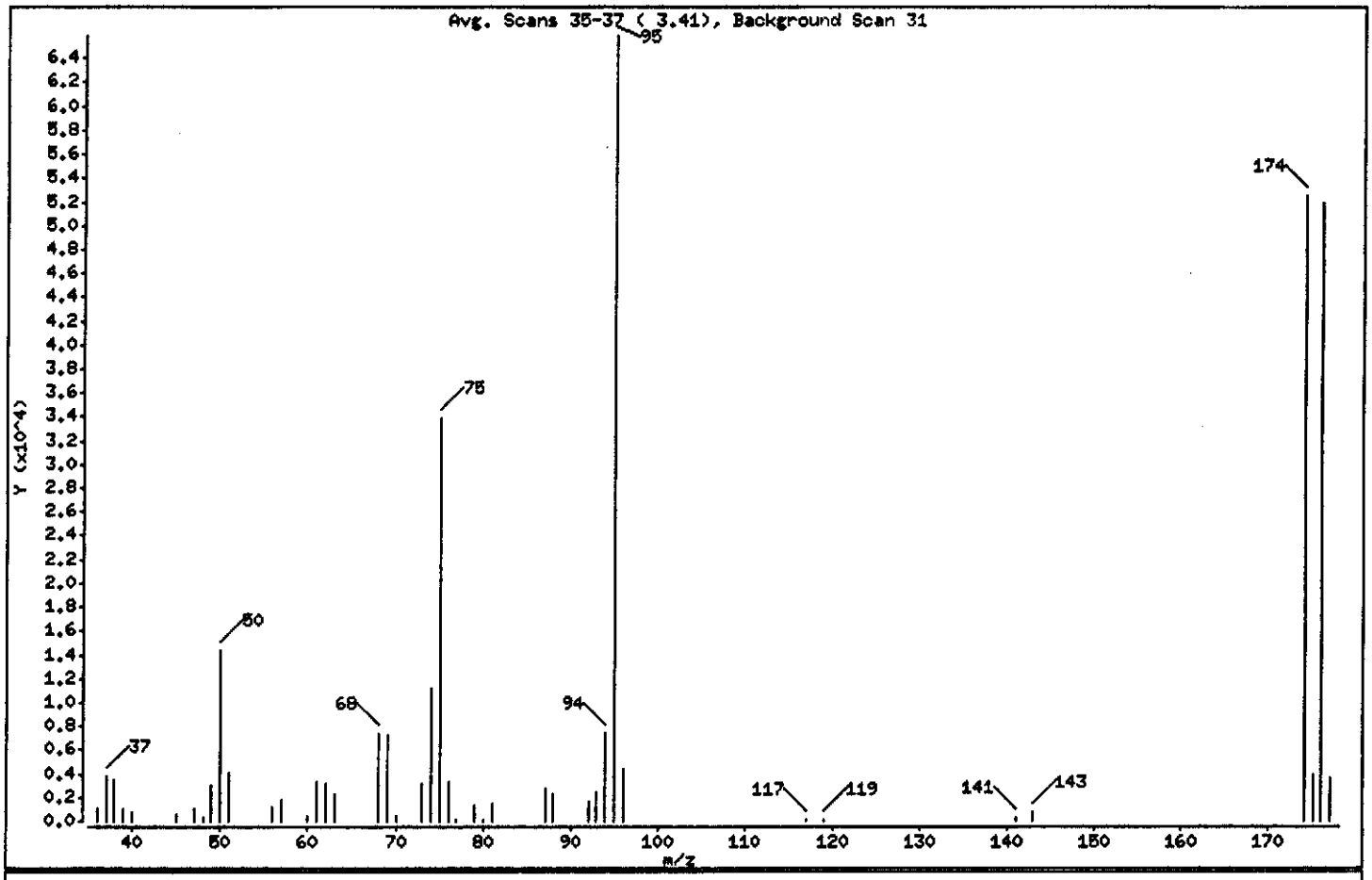
Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.94
75	30.00 - 60.00% of mass 95	51.42
96	5.00 - 9.00% of mass 95	6.69
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	79.79
175	5.00 - 9.00% of mass 174	5.90 (7.39)
176	95.00 - 101.00% of mass 174	78.78 (98.73)
177	5.00 - 9.00% of mass 176	5.50 (6.98)

Data File: \\qcanoh04\dd\chem\MSV\[illegible]7.i\U40421A.b\BFB222.D

Date : 21-APR-2004 08:50

Client ID: [illegible]BFB

Instrument: [illegible]

Sample Info:

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

Data File: BFB222.D

Spectrum: Avg. Scans 35-37 (7.41), Background Scan 31

Location of Maximum: 95.00

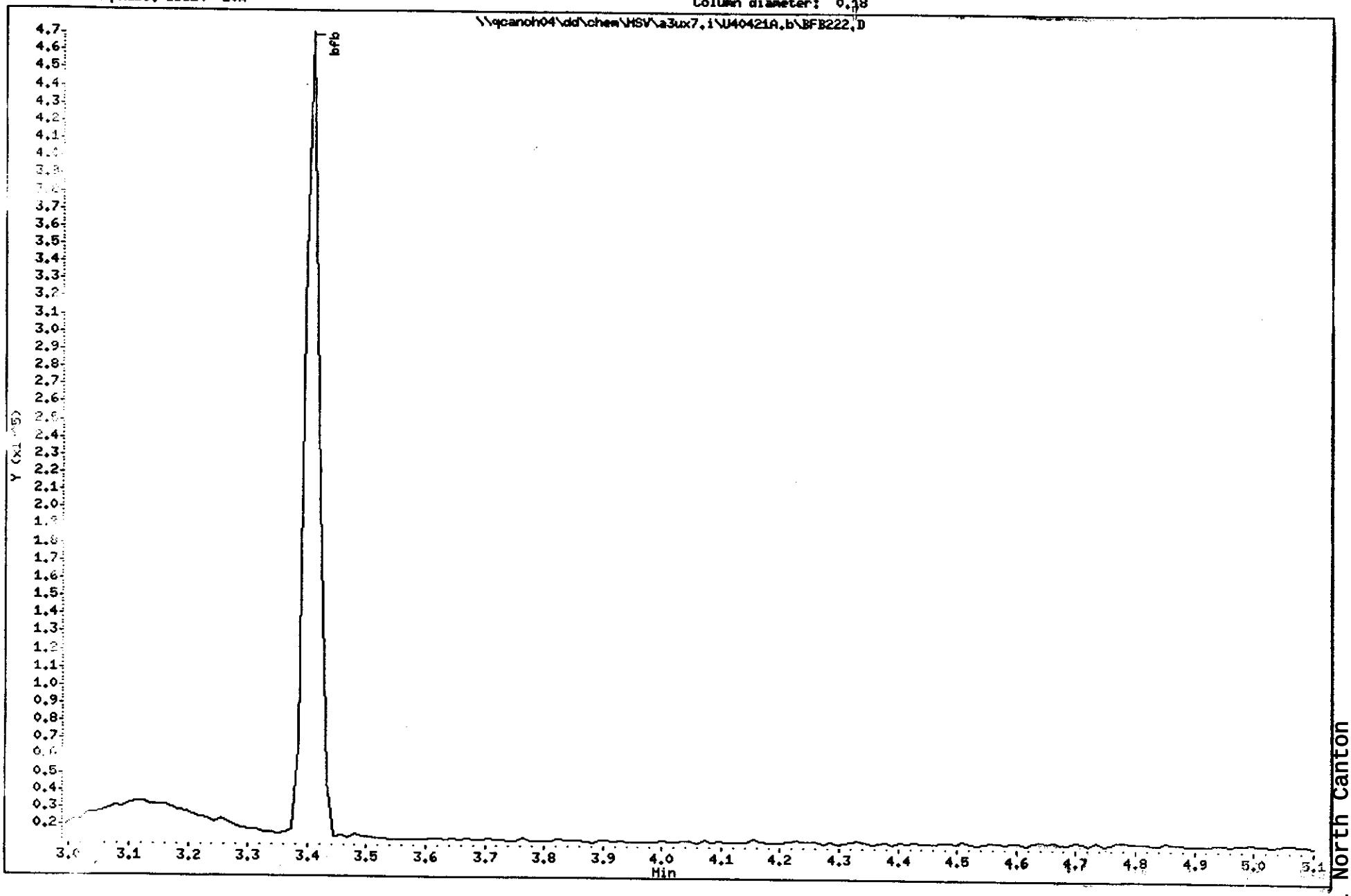
Number of points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1037	56.00	1169	75.00	33856	95.00	65856
37.00	3849	57.00	1769	76.00	3371	96.00	4403
38.00	3429	60.00	457	77.00	209	117.00	179
39.00	1112	61.00	3318	79.00	1420	119.00	187
40.00	763	62.00	3195	80.00	199	141.00	287
45.00	651	63.00	2258	81.00	1541	143.00	779
47.00	986	68.00	7390	87.00	2721	174.00	52544
48.00	259	69.00	7289	88.00	2269	175.00	3883
49.00	2980	70.00	416	92.00	1723	176.00	51880
50.00	14448	73.00	3199	93.00	2448	177.00	3621
51.00	4045	74.00	11210	94.00	7449		

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40421A.b\BFB222.D
Date : 21-APR-2004 08:50
Client ID: 50NCBFB
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\U40602ic.b\BFB277.D

Date : 02-JUN-2004 11:51

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

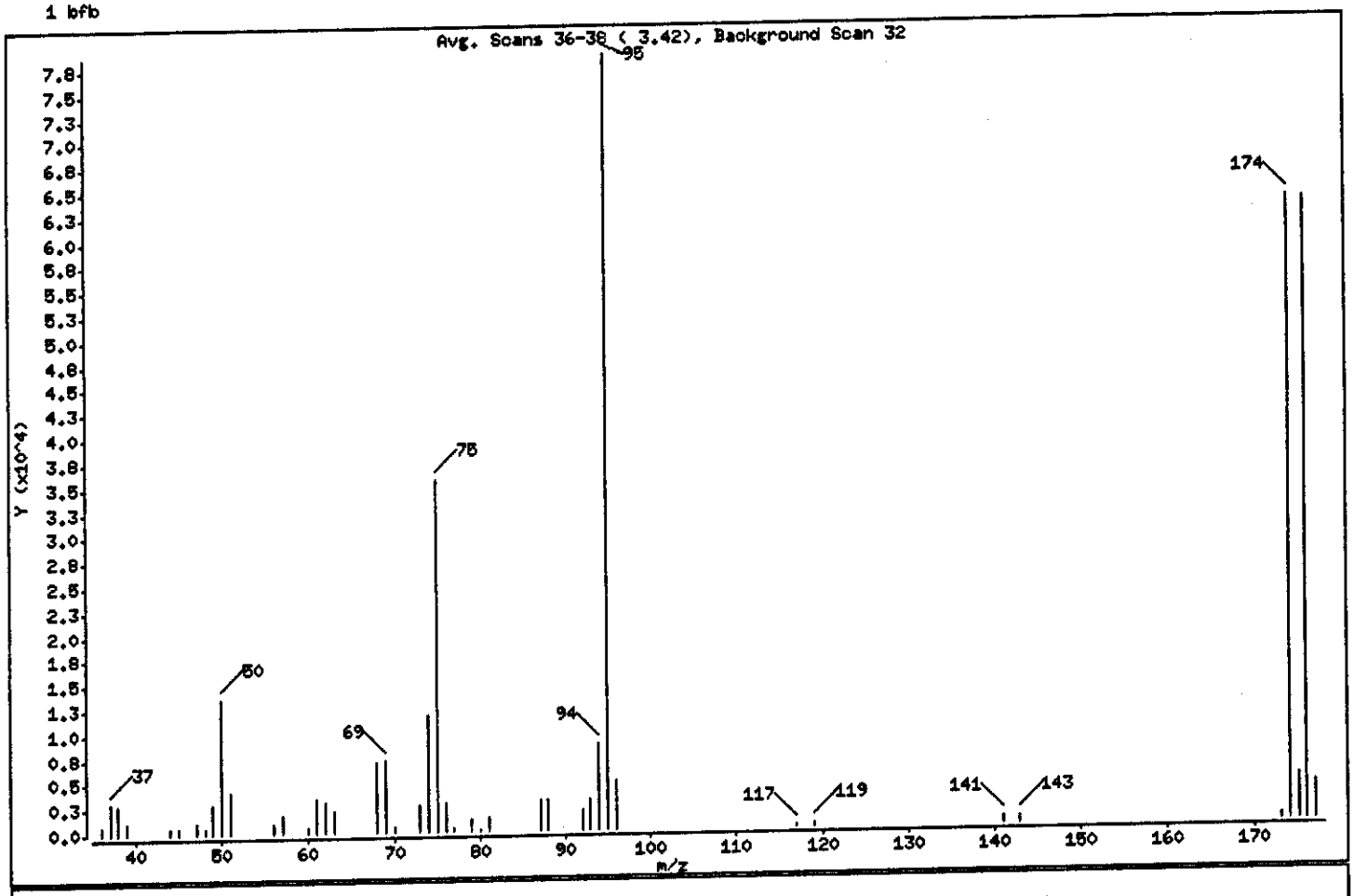
Volume Injected (uL): 1.0

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	17.14
75	30.00 - 60.00% of mass 95	45.29
96	5.00 - 9.00% of mass 95	6.19
173	Less than 2.00% of mass 174	0.59 (0.73)
174	50.00 - 100.00% of mass 95	80.54
175	5.00 - 9.00% of mass 174	5.73 (7.12)
176	95.00 - 101.00% of mass 174	80.27 (99.67)
177	5.00 - 9.00% of mass 176	4.85 (6.04)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602ic.b\BFB277.D

Date : 02-JUN-2004 11:51

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: BFB277.D
Spectrum: Avg. Scans 36-38 (3.42), Background Scan 32
Location of Maximum: 95.00
Number of points: 44

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	659	57.00	1803	77.00	404	119.00	282
37.00	3122	60.00	626	79.00	1304	141.00	669
38.00	2893	61.00	3507	80.00	200	143.00	697
39.00	1051	62.00	3066	81.00	1515	173.00	464
44.00	604	63.00	2115	87.00	3039	174.00	63432
45.00	559	68.00	7047	88.00	3032	175.00	4515
47.00	1083	69.00	7216	92.00	1987	176.00	63224
48.00	557	70.00	526	93.00	3055	177.00	3818
49.00	2949	73.00	2778	94.00	8647		
50.00	13497	74.00	11854	95.00	78768		
51.00	4202	75.00	35672	96.00	4877		
56.00	952	76.00	2836	117.00	227		

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40602ic.b\BFB277.D

Page 1

Date : 02-JUN-2004 11:51

Client ID: 50NGBFB

Instrument: a3ux7.i

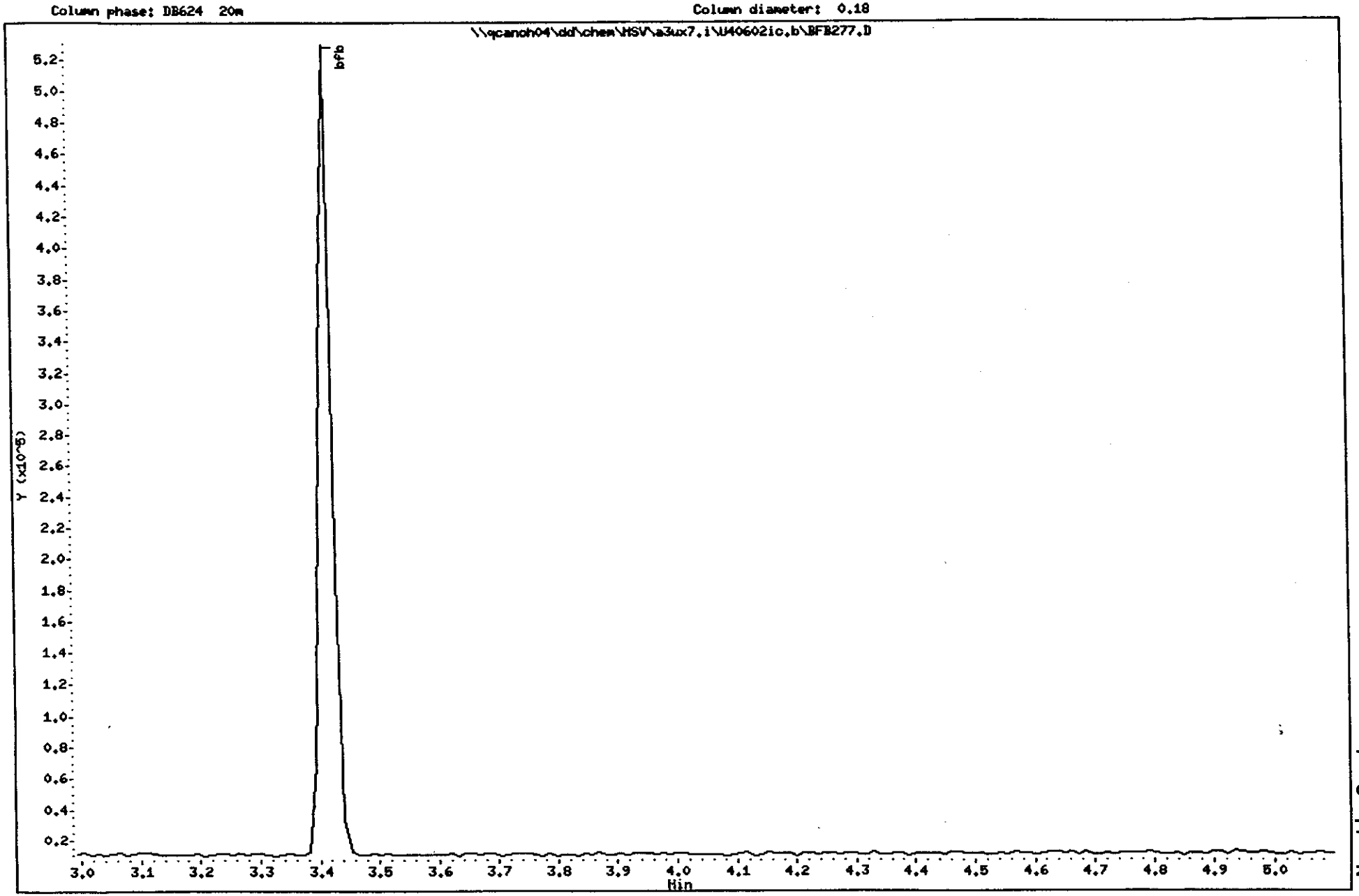
Sample Info:

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\BFB307.D

Date : 27-JUN-2004 17:34

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info: 50NG BFB

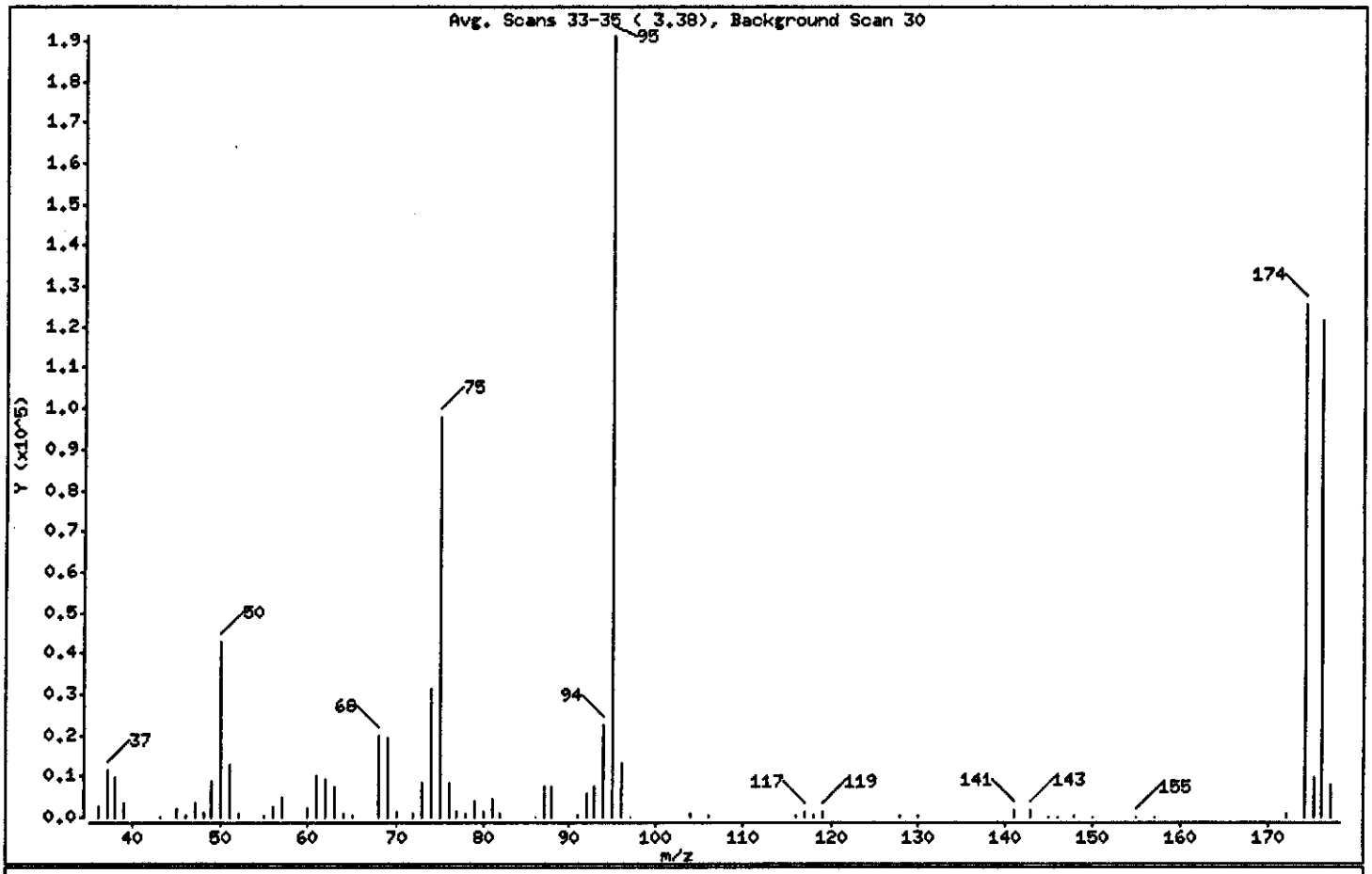
Volume Injected (uL): 1.0

Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.45
75	30.00 - 60.00% of mass 95	51.03
96	5.00 - 9.00% of mass 95	6.87
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	65.59
175	5.00 - 9.00% of mass 174	4.97 (7.58)
176	95.00 - 101.00% of mass 174	63.47 (96.77)
177	5.00 - 9.00% of mass 176	4.26 (6.70)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\BFB307.D

Date : 27-JUN-2004 17:34

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: 1903

Column phase: DB624 20m

Column diameter: 0.18

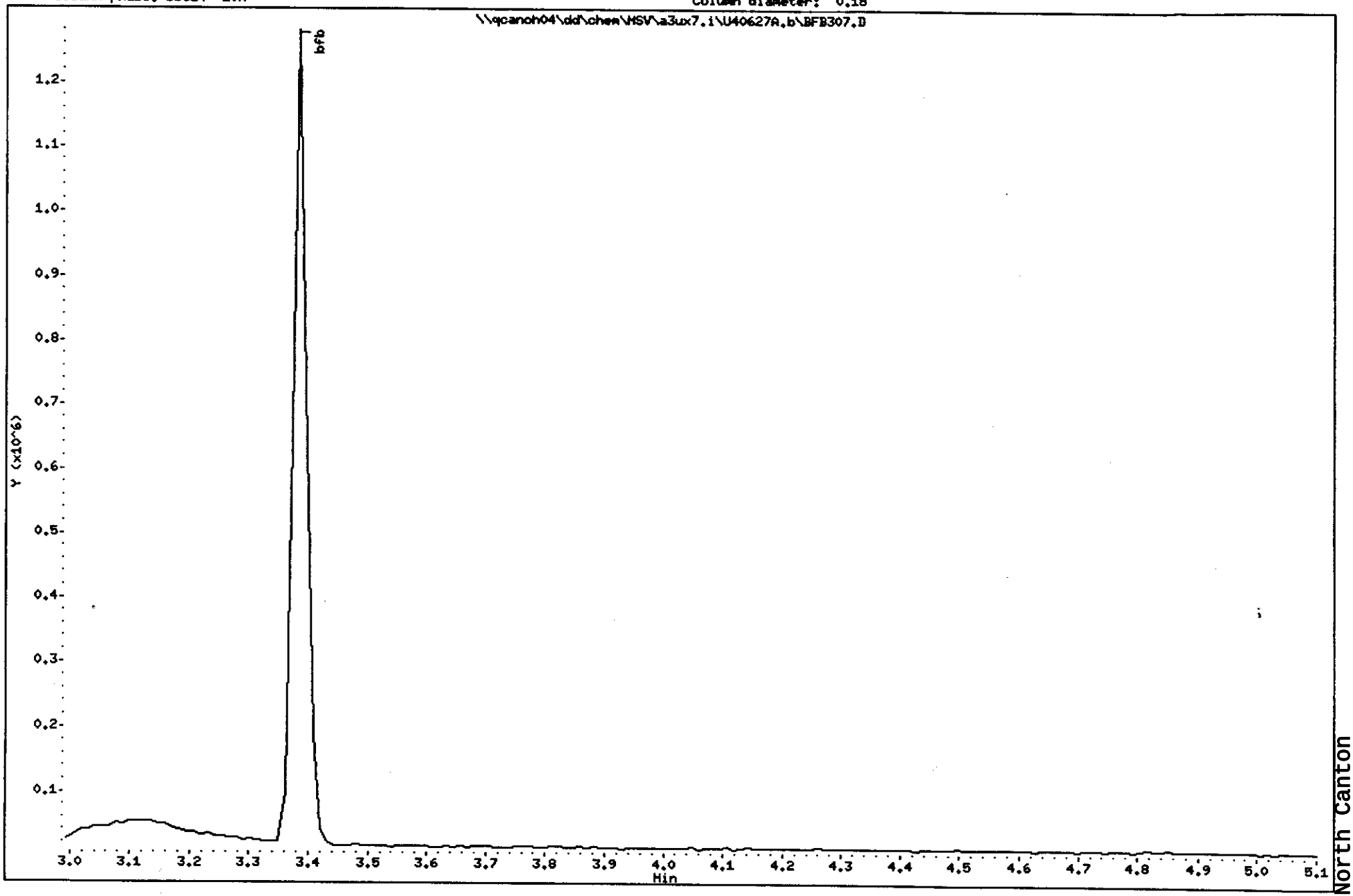
Data File: BFB307.D
Spectrum: Avg. Scans 33-35 (3.38), Background Scan 30
Location of Maximum: 95.00
Number of points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2544	61.00	10194	81.00	4383	119.00	1105
37.00	11315	62.00	9381	82.00	931	128.00	408
38.00	9901	63.00	7279	86.00	179	130.00	611
39.00	3382	64.00	689	87.00	7518	141.00	1605
43.00	179	65.00	596	88.00	7323	143.00	1545
45.00	2092	68.00	19944	91.00	368	145.00	192
46.00	355	69.00	19520	92.00	5631	146.00	209
47.00	3405	70.00	1418	93.00	7457	148.00	259
48.00	1446	72.00	938	94.00	22352	150.00	179
49.00	8870	73.00	8402	95.00	191296	155.00	219
50.00	42952	74.00	31136	96.00	13140	157.00	169
51.00	12873	75.00	97632	97.00	173	172.00	808
52.00	702	76.00	8200	104.00	745	174.00	125504
55.00	244	77.00	1121	106.00	450	175.00	9510
56.00	2538	78.00	1034	116.00	265	176.00	121448
57.00	4832	79.00	3759	117.00	1429	177.00	8142
60.00	2019	80.00	1500	118.00	529		

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\BFB307.D
Date : 27-JUN-2004 17:34
Client ID: 50NGBFB
Sample Info: 50NG BFB
Volume Injected (uL): 1.0
Column phase: DB624 20m

Instrument: a3ux7.i

Operator: 1903
Column diameter: 0.18



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4F180339 **Work Order #...:** GJ5FH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4F280000-139 GJ5FH1AD-LCSD
Prep Date.....: 06/27/04 **Analysis Date..:** 06/27/04
Prep Batch #...: 4180139
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	62	(22 - 200)			SW846 8260B
	63	(22 - 200)	1.7	(0-95)	SW846 8260B
Benzene	**99**	**(80 - 116)**			**SW846 8260B**
	101	**(80 - 116)**	**1.7**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	104	(87 - 130)			SW846 8260B
	102	(87 - 130)	2.0	(0-30)	SW846 8260B
Bromoform	95	(76 - 150)			SW846 8260B
	96	(76 - 150)	1.0	(0-30)	SW846 8260B
Bromomethane	86	(64 - 129)			SW846 8260B
	86	(64 - 129)	0.010	(0-30)	SW846 8260B
2-Butanone	74	(28 - 237)			SW846 8260B
	77	(28 - 237)	4.3	(0-65)	SW846 8260B
Carbon disulfide	103	(73 - 139)			SW846 8260B
	103	(73 - 139)	0.22	(0-30)	SW846 8260B
Carbon tetrachloride	106	(75 - 149)			SW846 8260B
	106	(75 - 149)	0.14	(0-30)	SW846 8260B
Chlorobenzene	**109**	**(76 - 117)**			**SW846 8260B**
	107	**(76 - 117)**	**1.6**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	110	(81 - 138)			SW846 8260B
	106	(81 - 138)	3.9	(0-30)	SW846 8260B
Chloroethane	83	(66 - 126)			SW846 8260B
	84	(66 - 126)	1.6	(0-30)	SW846 8260B
Chloroform	103	(84 - 128)			SW846 8260B
	101	(84 - 128)	1.6	(0-30)	SW846 8260B
Chloromethane	96	(48 - 123)			SW846 8260B
	98	(48 - 123)	1.9	(0-30)	SW846 8260B
1,1-Dichloroethane	105	(86 - 123)			SW846 8260B
	106	(86 - 123)	1.1	(0-30)	SW846 8260B
1,2-Dichloroethane	111	(79 - 136)			SW846 8260B
	112	(79 - 136)	1.1	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	95	(85 - 113)			SW846 8260B
	94	(85 - 113)	0.73	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	98	(79 - 120)			SW846 8260B
	101	(79 - 120)	2.6	(0-30)	SW846 8260B
1,1-Dichloroethene	**107**	**(63 - 130)**			**SW846 8260B**
	105	**(63 - 130)**	**1.6**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	97	(82 - 116)			SW846 8260B
	98	(82 - 116)	0.99	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4F180339 **Work Order #...:** GJ5FH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4F280000-139 GJ5FH1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	106	(82 - 115)			SW846 8260B
	102	(82 - 115)	3.2	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	100	(84 - 130)			SW846 8260B
	101	(84 - 130)	0.83	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	120	(84 - 130)			SW846 8260B
	118	(84 - 130)	1.8	(0-30)	SW846 8260B
Ethylbenzene	114	(86 - 116)			SW846 8260B
	110	(86 - 116)	3.2	(0-30)	SW846 8260B
2-Hexanone	93	(35 - 200)			SW846 8260B
	91	(35 - 200)	2.0	(0-52)	SW846 8260B
Methylene chloride	99	(78 - 118)			SW846 8260B
	101	(78 - 118)	2.6	(0-30)	SW846 8260B
4-Methyl-2-pentanone	101	(78 - 141)			SW846 8260B
	101	(78 - 141)	0.51	(0-32)	SW846 8260B
Styrene	117	(85 - 117)			SW846 8260B
	115	(85 - 117)	1.0	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	144 a	(85 - 118)			SW846 8260B
	138 a	(85 - 118)	4.2	(0-30)	SW846 8260B
Tetrachloroethene	90	(88 - 113)			SW846 8260B
	94	(88 - 113)	3.4	(0-30)	SW846 8260B
Toluene	**116**	**(74 - 119)**			**SW846 8260B**
	116	**(74 - 119)**	**0.50**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	101	(78 - 140)			SW846 8260B
	104	(78 - 140)	2.6	(0-30)	SW846 8260B
1,1,2-Trichloroethane	111	(83 - 122)			SW846 8260B
	108	(83 - 122)	2.2	(0-30)	SW846 8260B
Trichloroethene	**94**	**(75 - 122)**			**SW846 8260B**
	92	**(75 - 122)**	**2.6**	**(0-20)**	**SW846 8260B**
Vinyl chloride	84	(61 - 120)			SW846 8260B
	85	(61 - 120)	1.5	(0-30)	SW846 8260B
Xylenes (total)	118 a	(87 - 116)			SW846 8260B
	116	(87 - 116)	1.1	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(73 - 122)
	89	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
	104	(61 - 128)
Toluene-d8	106	(76 - 110)
	105	(76 - 110)
4-Bromofluorobenzene	105	(74 - 116)
	107	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4F180339 **Work Order #...:** GJ5FH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4F280000-139 GJ5FH1AD-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 #...: A4F180339 **Work Order #...:** GJ5FH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4F280000-139 GJ5FH1AD-LCSD
Prep Date.....: 06/27/04 **Analysis Date..:** 06/27/04
Prep Batch #...: 4180139
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	6.2	ug/L	62		SW846 8260B
	10	6.3	ug/L	63	1.7	SW846 8260B
Benzene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**10**	**ug/L**	**101**	**1.7**	**SW846 8260B**
Bromodichloromethane	10	10	ug/L	104		SW846 8260B
	10	10	ug/L	102	2.0	SW846 8260B
Bromoform	10	9.5	ug/L	95		SW846 8260B
	10	9.6	ug/L	96	1.0	SW846 8260B
Bromomethane	10	8.6	ug/L	86		SW846 8260B
	10	8.6	ug/L	86	0.010	SW846 8260B
2-Butanone	10	7.4	ug/L	74		SW846 8260B
	10	7.7	ug/L	77	4.3	SW846 8260B
Carbon disulfide	10	10	ug/L	103		SW846 8260B
	10	10	ug/L	103	0.22	SW846 8260B
Carbon tetrachloride	10	11	ug/L	106		SW846 8260B
	10	11	ug/L	106	0.14	SW846 8260B
Chlorobenzene	**10**	**11**	**ug/L**	**109**		**SW846 8260B**
	10	**11**	**ug/L**	**107**	**1.6**	**SW846 8260B**
Dibromochloromethane	10	11	ug/L	110		SW846 8260B
	10	11	ug/L	106	3.9	SW846 8260B
Chloroethane	10	8.3	ug/L	83		SW846 8260B
	10	8.4	ug/L	84	1.6	SW846 8260B
Chloroform	10	10	ug/L	103		SW846 8260B
	10	10	ug/L	101	1.6	SW846 8260B
Chloromethane	10	9.6	ug/L	96		SW846 8260B
	10	9.8	ug/L	98	1.9	SW846 8260B
1,1-Dichloroethane	10	10	ug/L	105		SW846 8260B
	10	11	ug/L	106	1.1	SW846 8260B
1,2-Dichloroethane	10	11	ug/L	111		SW846 8260B
	10	11	ug/L	112	1.1	SW846 8260B
cis-1,2-Dichloroethene	10	9.5	ug/L	95		SW846 8260B
	10	9.4	ug/L	94	0.73	SW846 8260B
trans-1,2-Dichloroethene	10	9.8	ug/L	98		SW846 8260B
	10	10	ug/L	101	2.6	SW846 8260B
1,1-Dichloroethene	**10**	**11**	**ug/L**	**107**		**SW846 8260B**
	10	**11**	**ug/L**	**105**	**1.6**	**SW846 8260B**
1,2-Dichloroethene (total)	20	19	ug/L	97		SW846 8260B
	20	20	ug/L	98	0.99	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4F180339 **Work Order #...:** GJ5FH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4F280000-139 GJ5FH1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dichloropropane	10	11	ug/L	106		SW846 8260B
	10	10	ug/L	102	3.2	SW846 8260B
cis-1,3-Dichloropropene	10	10	ug/L	100		SW846 8260B
	10	10	ug/L	101	0.83	SW846 8260B
trans-1,3-Dichloropropene	10	12	ug/L	120		SW846 8260B
	10	12	ug/L	118	1.8	SW846 8260B
Ethylbenzene	10	11	ug/L	114		SW846 8260B
	10	11	ug/L	110	3.2	SW846 8260B
2-Hexanone	10	9.3	ug/L	93		SW846 8260B
	10	9.1	ug/L	91	2.0	SW846 8260B
Methylene chloride	10	9.9	ug/L	99		SW846 8260B
	10	10	ug/L	101	2.6	SW846 8260B
4-Methyl-2-pentanone	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	101	0.51	SW846 8260B
Styrene	10	12	ug/L	117		SW846 8260B
	10	12	ug/L	115	1.0	SW846 8260B
1,1,2,2-Tetrachloroethane	10	14 a	ug/L	144		SW846 8260B
	10	14 a	ug/L	138	4.2	SW846 8260B
Tetrachloroethene	10	9.0	ug/L	90		SW846 8260B
	10	9.4	ug/L	94	3.4	SW846 8260B
Toluene	**10**	**12**	**ug/L**	**116**		**SW846 8260B**
	10	**12**	**ug/L**	**116**	**0.50**	**SW846 8260B**
1,1,1-Trichloroethane	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	104	2.6	SW846 8260B
1,1,2-Trichloroethane	10	11	ug/L	111		SW846 8260B
	10	11	ug/L	108	2.2	SW846 8260B
Trichloroethene	**10**	**9.4**	**ug/L**	**94**		**SW846 8260B**
	10	**9.2**	**ug/L**	**92**	**2.6**	**SW846 8260B**
Vinyl chloride	10	8.4	ug/L	84		SW846 8260B
	10	8.5	ug/L	85	1.5	SW846 8260B
Xylenes (total)	30	35 a	ug/L	118		SW846 8260B
	30	35	ug/L	116	1.1	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(73 - 122)
	89	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
	104	(61 - 128)
Toluene-d8	106	(76 - 110)
	105	(76 - 110)
4-Bromofluorobenzene	105	(74 - 116)
	107	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4F180339 **Work Order #...:** GJ5FH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4F280000-139 GJ5FH1AD-LCSD

NOTE(S):

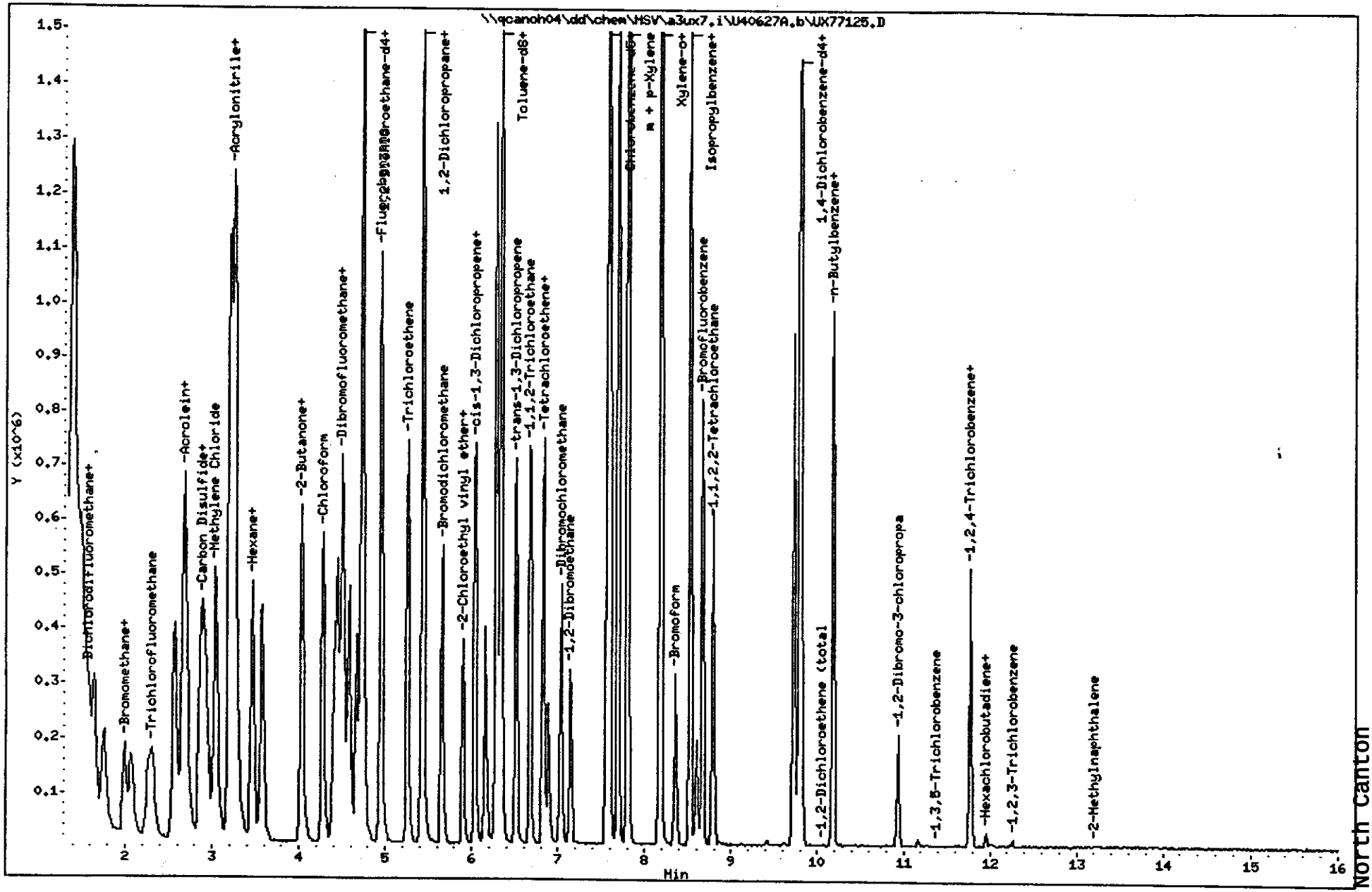
Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40627A.b\UX77125.D
Date : 27-JUN-2004 18:43
Client ID: GJ5FH1AC
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77125.D
Report Date: 27-Jun-2004 19:46

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77125.D
Lab Smp Id: CHECK
Inj Date : 27-JUN-2004 18:43
Operator : 1903 Inst ID: a3ux7.i
Smp Info : CHECK
Misc Info : U40627A,N8260UX7-3,2-8260.SUB,1903,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40627A.b\N8260UX7-3.m
Meth Date : 27-Jun-2004 18:55 laveyt Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.952	4.955	(1.000)	1142179	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.570	(1.000)	799438	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.794	(1.000)	320320	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.399	(0.888)	231384	44.8923	8.978
$ 5 1,2-Dichloroethane-d4	65	4.668	4.671	(0.943)	372753	52.5195	10.504
$ 6 Toluene-d8	98	6.277	6.280	(0.830)	946543	53.2000	10.640
$ 7 Bromofluorobenzene	95	8.667	8.670	(1.145)	324743	52.4088	10.482
8 Dichlorodifluoromethane	85	1.579	1.582	(0.319)	326269	53.7465	10.749
9 Chloromethane	50	1.638	1.642	(0.331)	521100	48.1224	9.624
10 Vinyl Chloride	62	1.757	1.748	(0.355)	398513	41.9412	8.388
11 Bromomethane	94	1.993	1.997	(0.403)	219047	43.0946	8.619
12 Chloroethane	64	2.064	2.068	(0.417)	235781	41.4426	8.288
13 Trichlorofluoromethane	101	2.313	2.304	(0.467)	461659	53.5033	10.701
15 Acrolein	56	2.573	2.576	(0.520)	745531	584.070	116.81
16 Acetone	43	2.691	2.683	(0.544)	119637	30.9849	6.197
17 1,1-Dichloroethene	96	2.680	2.671	(0.541)	288093	53.5694	10.714
18 Freon-113	151	2.703	2.695	(0.546)	205067	52.8522	10.570
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77125.D
Report Date: 27-Jun-2004 19:46

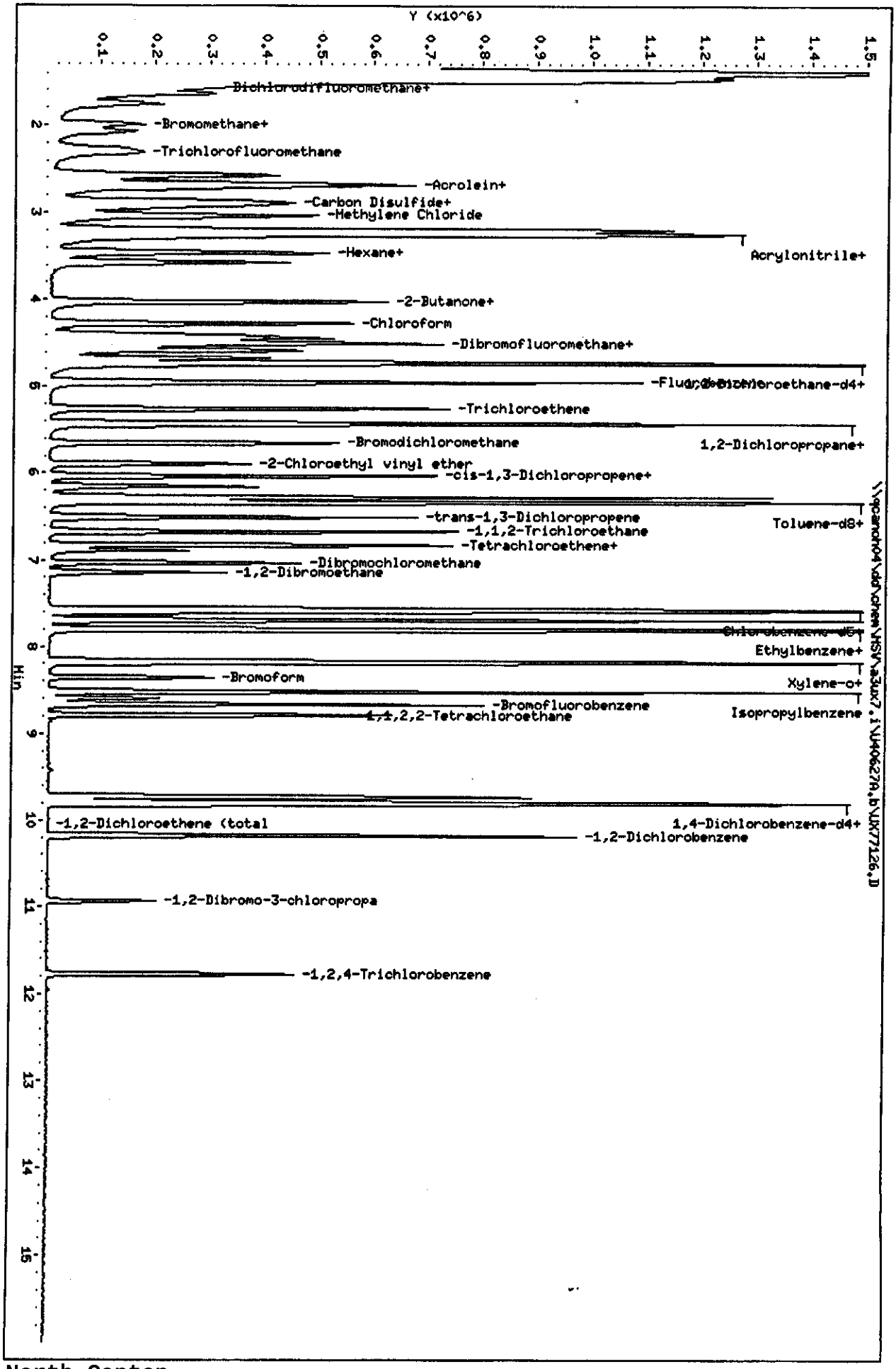
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.869	2.872	(0.579)	1052934	51.5642	10.313
	21 Methylene Chloride	84	3.035	3.038	(0.613)	360400	49.3817	9.876
	22 Acetonitrile	41	2.904	2.896	(0.587)	545611	592.687	118.54
	23 Acrylonitrile	53	3.200	3.203	(0.646)	1523755	548.609	109.72
	24 Methyl tert-butyl ether	73	3.259	3.251	(0.658)	827396	43.5220	8.704
	25 trans-1,2-Dichloroethene	96	3.259	3.251	(0.658)	314840	49.0248	9.805
	26 Hexane	86	3.461	3.464	(0.699)	57600	54.4476	10.890
	27 Vinyl acetate	43	3.461	3.594	(0.699)	238790	18.2181	3.644
	28 1,1-Dichloroethane	63	3.579	3.570	(0.723)	607259	52.3750	10.475
	29 tert-Butyl Alcohol	59	3.248	3.109	(0.656)	17490	42.3217	8.464
	30 2-Butanone	43	4.017	4.020	(0.811)	153598	36.8834	7.377
M	31 1,2-Dichloroethene (total)	96				625938	96.6271	19.325
	32 cis-1,2-dichloroethene	96	4.029	4.032	(0.814)	311098	47.6023	9.520
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.277	4.268	(0.864)	560295	51.5026	10.300
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.443	4.446	(0.897)	449468	50.4990	10.100
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.585	4.588	(0.926)	385687	52.8314	10.566
	40 1,2-Dichloroethane	62	4.739	4.730	(0.957)	483920	55.5296	11.106
	41 Benzene	78	4.739	4.730	(0.957)	1341706	49.6652	9.933
	42 Trichloroethene	130	5.259	5.251	(1.062)	300005	47.0579	9.412
	43 1,2-Dichloropropane	63	5.437	5.428	(1.098)	353237	52.7654	10.553
	44 1,4-Dioxane	88	5.543	5.535	(1.119)	3296	61.3643	12.273
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.662	5.653	(1.143)	429975	51.9624	10.392
	47 2-Chloroethyl vinyl ether	63	5.898	5.901	(1.191)	170431	45.3326	9.066
	48 cis-1,3-Dichloropropene	75	6.040	6.032	(1.220)	485482	49.9508	9.990
	49 4-Methyl-2-pentanone	43	6.158	6.150	(1.244)	315348	50.4292	10.086
	50 Toluene	91	6.336	6.339	(0.837)	1315539	57.8354	11.567
	51 trans-1,3-Dichloropropene	75	6.513	6.505	(0.861)	440928	60.2399	12.048
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.679	6.671	(0.883)	272884	55.4212	11.084
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.833	6.836	(0.903)	178212	45.2481	9.050
	56 2-Hexanone	43	6.892	6.883	(0.911)	210621	46.2848	9.257
	57 Dibromochloromethane	129	7.034	7.037	(0.930)	278847	54.9033	10.981
	58 1,2-Dibromoethane	107	7.141	7.144	(0.944)	263798	56.0452	11.209
	59 Chlorobenzene	112	7.590	7.593	(1.003)	774745	54.4416	10.888
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.697	7.700	(1.017)	397232	56.8321	11.366
	62 m + p-Xylene	106	7.803	7.806	(1.031)	1035478	118.324	23.665
M	63 Xylenes (total)	106				1521377	176.487	35.297
	64 Xylene-o	106	8.170	8.173	(1.080)	485899	58.1630	11.633
	65 Styrene	104	8.182	8.185	(1.081)	876003	58.3049	11.661
	66 Bromoform	173	8.359	8.363	(1.105)	160993	47.5387	9.508

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77125.D
Report Date: 27-Jun-2004 19:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.525	8.528	(1.127)	1037112	60.1814	12.036
68 1,1,2,2-Tetrachloroethane	83	8.785	8.789	(0.897)	370786	71.9849	14.397
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	9.732	9.723	(0.994)	425581	54.9170	10.983
81 1,4-Dichlorobenzene	146	9.815	9.818	(1.002)	489955	59.5130	11.902
82 n-Butylbenzene	91	10.170	10.161	(1.039)	9396	0.99582	0.1992
83 1,2-Dichlorobenzene	146	10.182	10.185	(1.040)	451153	57.7566	11.551
84 1,2-Dibromo-3-chloropropane	157	10.939	10.942	(1.117)	59557	60.7548	12.151
85 1,2,4-Trichlorobenzene	180	11.779	11.782	(1.203)	175857	45.2576	9.052
86 Hexachlorobutadiene	225	11.957	11.960	(1.221)	4549	2.21555	0.4431
87 Naphthalene	128	12.016	12.019	(1.227)	8371	5.46965	1.094
88 1,2,3-Trichlorobenzene	180	12.264	12.267	(1.253)	5650	1.52640	0.3053
98 Cyclohexane	56	4.502	4.505	(0.909)	477751	54.9751	10.995
143 Methyl Acetate	43	2.940	2.943	(0.594)	289540	58.0612	11.612
144 Methylcyclohexane	83	5.437	5.440	(1.098)	321202	48.7438	9.749
141 1,3,5-Trichlorobenzene	180	11.164	11.167	(1.140)	5290	1.17590	0.2352

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U406627A.b\UX77126.D
Date : 27-JUN-2004 19:07
Client ID: GJ5FH1AD
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77126.D
Report Date: 27-Jun-2004 20:09

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77126.D
Lab Smp Id: CHECK
Inj Date : 27-JUN-2004 19:07
Operator : 1903 Inst ID: a3ux7.i
Smp Info : CHECK
Misc Info : U40627A,N8260UX7-3,1-8260.SUB,1903,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40627A.b\N8260UX7-3.m
Meth Date : 27-Jun-2004 18:55 laveyt Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.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: QCANOH05

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	4.955	(1.000)	1146478	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.570	(1.000)	806642	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.793	9.794	(1.000)	336263	50.0000	
$ 4 Dibromofluoromethane	113	4.397	4.399	(0.888)	229262	44.3139	8.863
$ 5 1,2-Dichloroethane-d4	65	4.669	4.671	(0.943)	368774	51.7640	10.353
$ 6 Toluene-d8	98	6.278	6.280	(0.830)	940231	52.3733	10.475
$ 7 Bromofluorobenzene	95	8.668	8.670	(1.145)	333671	53.3688	10.674
8 Dichlorodifluoromethane	85	1.581	1.582	(0.319)	313742	51.4891	10.298
9 Chloromethane	50	1.640	1.642	(0.331)	533114	49.0473	9.809
10 Vinyl Chloride	62	1.758	1.748	(0.355)	406161	42.5858	8.517
11 Bromomethane	94	1.995	1.997	(0.403)	219841	43.0880	8.618
12 Chloroethane	64	2.078	2.068	(0.420)	240528	42.1185	8.424
13 Trichlorofluoromethane	101	2.314	2.304	(0.467)	462489	53.3985	10.680
15 Acrolein	56	2.575	2.576	(0.520)	765750	597.661	119.53
16 Acetone	43	2.681	2.683	(0.541)	121847	31.5142	6.303
17 1,1-Dichloroethene	96	2.681	2.671	(0.541)	284623	52.7258	10.545
18 Freon-113	151	2.705	2.695	(0.546)	210965	54.1686	10.834
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77126.D
Report Date: 27-Jun-2004 20:09

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.870	2.872	(0.580)	1059256	51.6793	10.336
	21 Methylene Chloride	84	3.048	3.038	(0.615)	370283	50.6784	10.136
	22 Acetonitrile	41	2.906	2.896	(0.587)	585144	633.248	126.65
	23 Acrylonitrile	53	3.202	3.203	(0.646)	1543666	553.694	110.74
	24 Methyl tert-butyl ether	73	3.261	3.251	(0.658)	831377	43.5674	8.713
	25 trans-1,2-Dichloroethene	96	3.261	3.251	(0.658)	324526	50.3435	10.069
	26 Hexane	86	3.462	3.464	(0.699)	57517	54.1803	10.836
	27 Vinyl acetate	43	3.462	3.594	(0.699)	232914	17.7032	3.541
	28 1,1-Dichloroethane	63	3.580	3.570	(0.723)	616131	52.9410	10.588
	29 tert-Butyl Alcohol	59	3.261	3.109	(0.658)	17666	42.5877	8.518
	30 2-Butanone	43	4.018	4.020	(0.811)	160969	38.5085	7.702
M	31 1,2-Dichloroethene (total)	96				634497	97.5956	19.519
	32 cis-1,2-dichloroethene	96	4.030	4.032	(0.814)	309971	47.2521	9.450
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.279	4.268	(0.864)	553171	50.6572	10.131
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.444	4.446	(0.897)	462971	51.8211	10.364
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.586	4.588	(0.926)	386585	52.7558	10.551
	40 1,2-Dichloroethane	62	4.728	4.730	(0.955)	491186	56.1520	11.230
	41 Benzene	78	4.728	4.730	(0.955)	1370207	50.5299	10.106
	42 Trichloroethene	130	5.261	5.251	(1.062)	293318	45.8366	9.167
	43 1,2-Dichloropropane	63	5.438	5.428	(1.098)	343228	51.0781	10.216
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.651	5.653	(1.141)	423042	50.9329	10.186
	47 2-Chloroethyl vinyl ether	63	5.900	5.901	(1.191)	168975	44.7768	8.955
	48 cis-1,3-Dichloropropene	75	6.042	6.032	(1.220)	491407	50.3708	10.074
	49 4-Methyl-2-pentanone	43	6.160	6.150	(1.244)	318170	50.6897	10.138
	50 Toluene	91	6.337	6.339	(0.837)	1334016	58.1240	11.625
	51 trans-1,3-Dichloropropene	75	6.515	6.505	(0.861)	437019	59.1726	11.834
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.669	6.671	(0.881)	269416	54.2284	10.846
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.834	6.836	(0.903)	186139	46.8388	9.368
	56 2-Hexanone	43	6.894	6.883	(0.911)	208321	45.3707	9.074
	57 Dibromochloromethane	129	7.036	7.037	(0.930)	270694	52.8221	10.564
	58 1,2-Dibromoethane	107	7.142	7.144	(0.944)	259218	54.5803	10.916
	59 Chlorobenzene	112	7.592	7.593	(1.003)	769681	53.6028	10.720
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.698	7.700	(1.017)	388266	55.0533	11.011
	62 m + p-Xylene	106	7.805	7.806	(1.031)	1039766	117.753	23.551
M	63 Xylenes (total)	106				1518832	174.586	34.917
	64 Xylene-o	106	8.171	8.173	(1.080)	479065	56.8329	11.366
	65 Styrene	104	8.183	8.185	(1.081)	874959	57.7154	11.543
	66 Bromoform	173	8.361	8.363	(1.105)	164157	48.0403	9.608

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77126.D
Report Date: 27-Jun-2004 20:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.526	8.528	(1.127)	1043507	60.0117	12.002
68 1,1,2,2-Tetrachloroethane	83	8.787	8.789	(0.897)	373373	69.0505	13.810
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	9.733	9.723	(0.994)	424187	52.1419	10.428
81 1,4-Dichlorobenzene	146	9.816	9.818	(1.002)	495817	57.3697	11.474
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.183	10.185	(1.040)	453619	55.3190	11.064
84 1,2-Dibromo-3-chloropropane	157	10.940	10.942	(1.117)	56273	54.6839	10.937
85 1,2,4-Trichlorobenzene	180	11.781	11.782	(1.203)	161980	39.7099	7.942
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.503	4.505	(0.909)	469774	53.8545	10.771
143 Methyl Acetate	43	2.941	2.943	(0.594)	293487	58.6321	11.726
144 Methylcyclohexane	83	5.438	5.440	(1.098)	325753	49.2491	9.850
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4F180339 **Work Order #...:** GJ5FH1AA **Matrix.....:** WATER
MB Lot-Sample #: A4F280000-139

Prep Date.....: 06/27/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 06/27/04 **Prep Batch #...:** 4180139
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 #...: A4F180339 **Work Order #...:** GJ5FH1AA **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

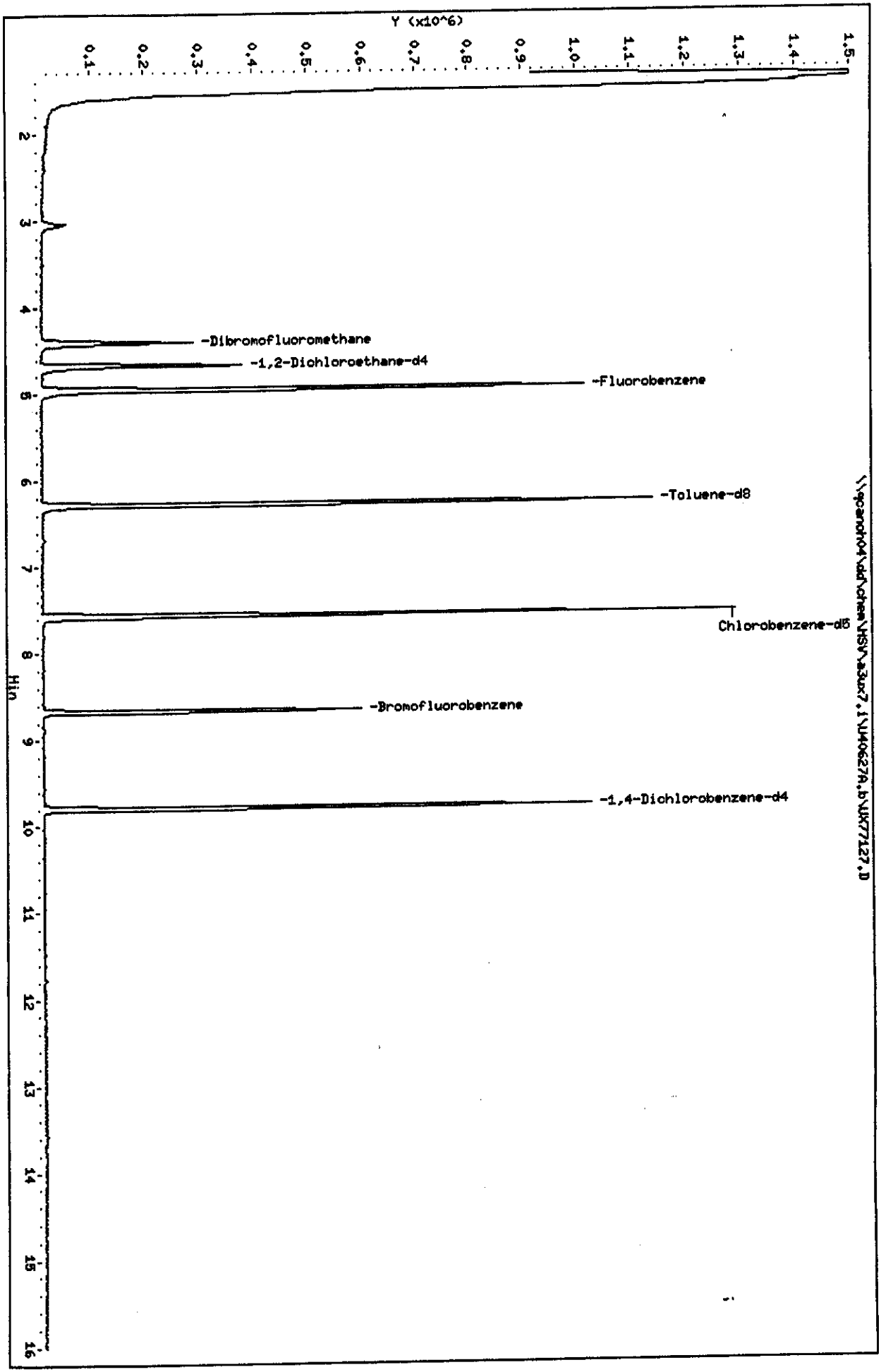
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

NOTE(S):

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40627A.b\UX77127.D
Date : 27-JUN-2004 19:30
Client ID: GJSFH1/AA
Sample Info: BLANK
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77127.D
Report Date: 28-Jun-2004 10:34

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40627A.b\UX77127.D
Lab Smp Id: BLANK
Inj Date : 27-JUN-2004 19:30
Operator : 1903 Inst ID: a3ux7.i
Smp Info : BLANK
Misc Info : U40627A,N8260UX7-3,,1903,3,,BLANK,,0
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40627A.b\N8260UX7-3.m
Meth Date : 28-Jun-2004 10:31 evansl Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 1 Fluorobenzene	96	4.952	4.955	(1.000)	1058207	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.570	(1.000)	768075	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.794	(1.000)	284117	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.399	(0.888)	230603	48.2911	9.658
$ 5 1,2-Dichloroethane-d4	65	4.668	4.671	(0.943)	344091	52.3283	10.466
$ 6 Toluene-d8	98	6.278	6.280	(0.830)	816566	47.7687	9.554
$ 7 Bromofluorobenzene	95	8.668	8.670	(1.145)	251077	42.1748	8.435
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\U40627A.b\UX77127.D
Report Date: 28-Jun-2004 10:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	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\U40627A.b\UX77127.D
Report Date: 28-Jun-2004 10:34

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

SEVERN TRENT STL

MISCELLANEOUS DATA

AHD 170157
170160
150181

UX7
Batch # 4113235

STL-North Canton
GC S VOA Run Log

H/23

Date: 4-21-04

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 # V1758 SS # V1759		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB 222	50 Ng	Direct Inject	08:50	OK
1	Val Cal		UX7 4907	↓ Ng	V1761 V1762,67	UH0H20	OK
2	A9 Cal		08	5 Ng	V1734 V1760	2-Methyl Nap fails	OK
3			09	10 Ng	↓		OK
4			10	25 Ng	V1760 V1775		OK
5			11	50 Ng			OK
6			12	100 Ng			OK
7	↓		13	200 Ng	↓	↓	OK
8	LC2		14	50 Ng	V1768	GCMK3-1AC	OK
9	LC3D		15	↓	↓	1AD	OK
10	Val Blank		16	5 ml		1AA	OK
11	GCD1X-1AA	ED	17	0.4 ml			OK
12	GCD16-1AA		18	0.175 ml			OK
13	GCD17-1AA		19	5 ml			OK
14	GCD19-1AA		20	↓			OK
15	GCD2F-1AA		21	0.002 ml			OK
16	GCD2G-1AA	↓	22	5 ml			OK
17	GCD2H-1AA		23	0.0015 ml		RR 0.25 ml	-
18	GCD2Q-1AA	ED	24	0.225 ml			OK
19	GCD2R-1AA		25	5 ml			OK
20	GCD2T-1AA		26				OK
21	1AC		27	+50 Ng	V1768		
22	↓ 1AD		28	↓	↓		
23	GCD2V-1AA		29				OK
24	GCD2W-1AA	↓	30	↓			OK
25	GD7HX-1AA	ED/CM	31	0.0025 ml			OK
26	GD7H0-1AA		32	5 ml			OK
27	GD7H3-1AA		33				OK
28	GD7HH-1AA	↓	34	↓		21:29	OK

8175

Analyst: CMR
Level 2 review: [illegible]

CMR

UX7
Batch # _____

STL-North Canton
GC/MS VOA Run Log

Date: 6-2-04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V 1873 SS # V 1900		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB 277	50 ng	Direct Inject	11:51	OK
1	8260 Cal 1		UX7 6306	5 ng	V1905 10 V1914 18	2 Cal Passed	OK
2	2		07	10 ng			OK
3	3		08	25 ng			OK
4	4		09	50 ng			OK
5	5		10	100 ng			OK
6	6		11	200 ng			OK
7	2CV		12	50 ng	V 1908	2nd Source Passed	OK
8			13				
9			14				
10			15				
11			16				
12			17				
13			18				
14			19				
15			20				
16			21				
17			22				
18			23				
19			24				
20			25				
21			26				
22			27				
23			28				
24			29				
25			30				
26			31				
27			32				
28			33				

Analyst: CMR
Level 2 review: SMM

CMR 6-2-04

DVC 7-2

Date: 6-27-4

UX7
Batch # 418 0139

STL-North Canton
GC/MS VOA Run Log

Column
Type: DB624
Length 20 M
I.D. 0.18 mm
Flow Rate 0.4ml/min

BFB
100 C for 0.1 min
to 200 C @ 20 C/min
Hold -- min

Analysis
45 C for 2 min
to 200 C @ 15 C/min
to -- C @ -- C/min
Hold 3 min

Purge & Trap
Trap: #10
Purge: 11
Desorb: 1 min @240 C
Bake: 5 min @ 250 C
Heated purge: Yes No

IS # V2006 SS # V2007

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number Sample prep	Comments	Sample status
	BFB		BFB307	50ng		17:34	ok
	A9 STD		UX77123	50ng	V1992	U40421	ok
	8260 STD		24	50ng	V1990,95 2001	U40602	ok
	CHECK	GJ5FH	25	50ng	V1985		ok
	CHECK		26	50ng	6		ok
	BLANK		27	5mL			ok
GM	GJLRHIAA		28	1.5mL/5mL			ok
	GJLRMIAA		29	0.5mL/5mL			ok
	GJLRPIAA		30	0.5mL/5mL			ok
	~~[illegible]~~		31	5mL		archived	~~[illegible]~~
	GJLRRIAA		32	5mL			ok
	GJLRRIAC	-S	33	5mL	+50ng		ok
	GJLRRIAD	-D	34	5mL	+50ng		ok
A9	GJLTJIAA		35	5mL			ok
	GJLTPIAA		36	5mL			ok
	GJLTRIAA		37	5mL			ok
	GJLTVIAA		38	5mL			ok
M	GJLTWIAA		39	5mL			ok
	GJL4GIAA		40	5mL			ok
	GJL4MIAA		41	8µL/5mL			ok
	GJL4PIAA		42	125µL/5mL			ok
	GJL4TIAA		43	1mL/5mL			ok
	GJL5QIAA		44	0.2mL/5mL			ok
	GJL5XIAA		45	80µL/5mL			ok
	GJL5BIAA		46	5mL			ok
	GJL6FIAA		47	5mL			ok
	GJL6KIAA		48	75µL/5mL			ok
	GJL6PIAA		49	5mL			
			50				
			51				
			52				

180334
180339
180339

6/28/04

Analyst: [illegible]
Level 2 review: SMM

PSL205 Severn Trent Laboratories, Inc System Date: 6/18/04 15:50:37
Page 1 Local Date: 6/18/04 17:50:37

MSVOC Lot Summary - A4F180339

CLIENT: 5670 PAYNE FIRM INC. SDG: 4F18339 60 Date Received: 6/18/04
PROJECT MANAGER: Roger K. Toth Date Analysis Due: 7/08/04 N
SITE: EMD CHEMICALS-OH Date Report Due: 7/14/04
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-	GJLTJ-1AA	XX I 25 QK 01 MS8260LL	3	6/16/04 11:37	6/30/04	N	DUCK CREEK 01/061604 Q: CLP MSVOA TCL Standard List EXP DEL, SDG# 4F18339. AP9 Compounds
002	GJLTP-1AA	XX I 25 QK 01 MS8260LL	1	6/17/04 10:05	7/01/04	N	SEWER E/061704 Q: CLP MSVOA TCL Standard List EXP DEL, SDG# 4F18339, ONLY 1 VIAL RECEIVED. AP9 Compounds
003	GJLTR-1AA	XX I 25 QK 01 MS8260LL	3	6/17/04 10:35	7/01/04	N	SEWER A/061704 Q: CLP MSVOA TCL Standard List EXP DEL, SDG# 4F18339. AP9 Compounds
004-	GJLTV-1AA	XX I 25 QK 01 MS8260LL	2	6/17/04 10:45	7/01/04	N	SEWER F/061704 Q: CLP MSVOA TCL Standard List EXP DEL, SDG# 4F18339. AP9 Compounds
006	GJLTW-1AA	XX I 25 QK 01 MS8260LL	1	6/17/04 10:50	7/01/04	N	SEWER G/061704 Q: CLP MSVOA TCL Standard List EXP DEL, SDG# 4F18339. AP9 Compounds

pH = 1

07/15/04 05:37:12 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A4F180339	1	GJLTJ1AA	MS8260LL	6/27/04	Tim Lavey
A4F180339	2	GJLTP1AA	MS8260LL	6/27/04	Tim Lavey
A4F180339	3	GJLTR1AA	MS8260LL	6/27/04	Tim Lavey
A4F180339	4	GJLTV1AA	MS8260LL	6/27/04	Tim Lavey
A4F180339	5	GJLTW1AA	MS8260LL	6/28/04	Tim Lavey

* * * E N D O F R E P O R T * * *

SEVERN TRENT STL

END OF REPORT