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SEVERN TRENT STL

STL North Canton
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ANALYTICAL REPORT

PROJECT NO. 100.58.15

EMD RCRA VA
SDG #: 4H19207

Angela Hurley

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

SEVERN TRENT LABORATORIES, INC.

Roger K. Toth
Project Manager

September 15, 2004

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE
4H19207

The following report contains the analytical results for eleven water samples and one quality control sample submitted to STL North Canton by The Payne Firm, Inc. from the EMD RCRA VA Site, project number 100.58.15. The samples were received August 19, 2004, according to documented sample acceptance procedures.

This SDG consists of laboratory lot ID's: A4H190207 and A4H190348 (this lot was cancelled September 7, 2004).

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 September 01, 2004. A summary of QC data for these analyses is included at the back of the report.

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

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

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

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

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperatures of the coolers upon sample receipt were 3.1 and 2.7°C.

See STL's Cooler Receipt Form for additional information.

CASE NARRATIVE (continued)

GC/MS VOLATILES

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

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

The matrix spike/matrix spike duplicate(s) for MW031A/081804 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

The matrix spike/matrix spike duplicate(s) for batch(es) 4244112 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:

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

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EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

4H19207 : A4H190207

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW030/081804 08/18/04 14:12 004				
1,2-Dichloroethane	0.28 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	0.86 J	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	0.86 J	2.0	ug/L	SW846 8260B
1,4-Dioxane	50	50	ug/L	SW846 8260B
Trichloroethene	4.0	1.0	ug/L	SW846 8260B
P001/081804 08/18/04 11:08 005				
Chloroform	1.2 J	6.7	ug/L	SW846 8260B
1,1-Dichloroethane	13	6.7	ug/L	SW846 8260B
1,2-Dichloroethane	28	6.7	ug/L	SW846 8260B
cis-1,2-Dichloroethene	57	6.7	ug/L	SW846 8260B
trans-1,2-Dichloroethene	12	6.7	ug/L	SW846 8260B
1,2-Dichloroethene (total)	69	13	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	33	6.7	ug/L	SW846 8260B
Tetrachloroethene	22	6.7	ug/L	SW846 8260B
1,1,1-Trichloroethane	12	6.7	ug/L	SW846 8260B
Trichloroethene	200	6.7	ug/L	SW846 8260B
Vinyl chloride	4.3 J	6.7	ug/L	SW846 8260B
MW031A/081804 08/18/04 09:45 006				
Benzene	35	25	ug/L	SW846 8260B
1,1-Dichloroethane	7.3 J	25	ug/L	SW846 8260B
1,2-Dichloroethane	93	25	ug/L	SW846 8260B
cis-1,2-Dichloroethene	820	25	ug/L	SW846 8260B
trans-1,2-Dichloroethene	26	25	ug/L	SW846 8260B
1,2-Dichloroethene (total)	850	50	ug/L	SW846 8260B
1,4-Dioxane	8100	1200	ug/L	SW846 8260B
Tetrachloroethene	7.3 J	25	ug/L	SW846 8260B
Trichloroethene	460	25	ug/L	SW846 8260B
Vinyl chloride	240	25	ug/L	SW846 8260B
MW031D/081804 08/18/04 09:39 007				
Benzene	3.7	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	0.42 J	2.0	ug/L	SW846 8260B
1,2-Dichloroethane	63	2.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	32	2.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	3.1	2.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

4H19207 : A4H190207

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW031D/081804 08/18/04 09:39 007				
1,2-Dichloroethene (total)	35	4.0	ug/L	SW846 8260B
1,4-Dioxane	530	100	ug/L	SW846 8260B
Methylene chloride	2.6 B	2.0	ug/L	SW846 8260B
Trichloroethene	3.8	2.0	ug/L	SW846 8260B
Vinyl chloride	5.5	2.0	ug/L	SW846 8260B
MW031C/081804 08/18/04 09:55 008				
Benzene	18 J	29	ug/L	SW846 8260B
1,1-Dichloroethane	18 J	29	ug/L	SW846 8260B
1,2-Dichloroethane	720	29	ug/L	SW846 8260B
cis-1,2-Dichloroethene	16 J	29	ug/L	SW846 8260B
1,2-Dichloroethene (total)	16 J	57	ug/L	SW846 8260B
1,4-Dioxane	14000	1400	ug/L	SW846 8260B
Methylene chloride	87	29	ug/L	SW846 8260B
Vinyl chloride	20 J	29	ug/L	SW846 8260B
P006/081804 08/18/04 14:55 009				
Benzene	2.8	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	10	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.3	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	1.3 J	2.0	ug/L	SW846 8260B
1,4-Dioxane	90	50	ug/L	SW846 8260B
Vinyl chloride	1.6	1.0	ug/L	SW846 8260B
Xylenes (total)	0.78 J	2.0	ug/L	SW846 8260B
FB02/081804 08/18/04 11:00 010				
Chloroform	2.2	1.0	ug/L	SW846 8260B
Chloromethane	0.39 J	1.0	ug/L	SW846 8260B
DUP01/081804 08/18/04 011				
Benzene	29	25	ug/L	SW846 8260B
1,1-Dichloroethane	5.6 J	25	ug/L	SW846 8260B
1,2-Dichloroethane	78	25	ug/L	SW846 8260B
cis-1,2-Dichloroethene	670	25	ug/L	SW846 8260B
trans-1,2-Dichloroethene	22 J	25	ug/L	SW846 8260B
1,2-Dichloroethene (total)	690	50	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

4H19207 : A4H190207

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
DUP01/081804 08/18/04 011				
1,4-Dioxane	9400	1200	ug/L	SW846 8260B
Tetrachloroethene	6.8 J	25	ug/L	SW846 8260B
Trichloroethene	350	25	ug/L	SW846 8260B
Vinyl chloride	180	25	ug/L	SW846 8260B
TB03/081804 08/18/04 012				
1,4-Dioxane	85	50	ug/L	SW846 8260B

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METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

4H19207

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

References:

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

SEVERN TRENT STL

SAMPLE SUMMARY

SAMPLE SUMMARY

4H19207 : A4H190207

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GNG5C	001	MW042/081804	08/18/04	10:46
GNG5G	002	MW044/081804	08/18/04	12:52
GNG5H	003	MW043A/081804	08/18/04	14:20
GNG5L	004	MW030/081804	08/18/04	14:12
GNG5N	005	P001/081804	08/18/04	11:08
GNG5P	006	MW031A/081804	08/18/04	09:45
GNG5Q	007	MW031D/081804	08/18/04	09:39
GNG5R	008	MW031C/081804	08/18/04	09:55
GNG5T	009	P006/081804	08/18/04	14:55
GNG5V	010	FB02/081804	08/18/04	11:00
GNG5W	011	DUP01/081804	08/18/04	
GNG5X	012	TB03/081804	08/18/04	

NOTE(S):

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

SEVERN TRENT STL

SHIPPING AND RECEIVING DOCUMENTS

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: THE PAYNE FIRM	Project Manager: KEVIN KELLANI	Date: 8/18/04	Chain of Custody Number: 163673
Address: 11231 CORNELL PK. DR	Telephone Number (Area Code)/Fax Number: 513-489-2255 / 2533	Lab Number:	Page 1 of 1
City: CINCINNATI; State: OH; Zip Code: 45242	Site Contact: M. BALKHERM; Lab Contact: R. TOTH		
Project Name and Location (State): EMD RCRA VA	Carrier/Waybill Number: STL-CIN		
Contract/Purchase Order/Quote No.: 100.58.15			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOC 8260	Special Instructions/ Conditions of Receipt
MW042 / 081804		1046		X						3			X	RESULTS TO KEVIN KALLINI
MW044 / 081804		1252		X						3			X	
MW043A / 081804		1420		X						3			X	
MW030 / 081804		1412		X						3			X	
P001 / 081804		1108		X						3			X	
MW031A / 081804		0945		X						9			X	-MS/MSD SAMPLE
MW031D / 081804		0939		X						3			X	AT MW031A
MW031C / 081804		0955		X						3			X	
F006 / 081804		1455		X						3			X	
FB02 / 081804		1100		X						3			X	
DUP01 / 081804		—		X						3			X	
TB03 / 081804		—		X						2			X	

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

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

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

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

	Date	Time		Date	Time
1. Relinquished By: [signature]	8/18/04	1545	1. Received By: [signature]	8/18/04	1545
2. Relinquished By: [signature]	8/18/04	1546	2. Received By: [signature]	8-19-04	7:40
3. Relinquished By:			3. Received By:		

Comments

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

STL North Canton

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: The Payne Firm	Project Manager: Kevin Kallini	Date: 8/17/04	Chain of Custody Number: 163665
Address: 11231 Cornell Park Drive	Telephone Number (Area Code)/Fax Number: 513-489-2255 / 513-489-2533	Lab Number:	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45242	Site Contact: M. Backherm; Lab Contact: R. Toth		
Project Name and Location (State): EMD RCRA VA OH	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 100.58.15			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	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
MW505A/081604	8/16/04	1403		X						3			X	Results to Kevin Kallini
														*Appendix IX

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

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

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

QC Requirements (Specify): Level 4

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

Comments

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

STL North Canton

RSR280

Client: 5670

Lot #: A4H190207

Case Number/SDG: 100.58.15

Storage Location: MS

Severn Trent Laboratories, Inc.
Sample Control Record

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
GNG5C	EZZOL	8/19/04	Yes		Storage	
GNG5G	EZZOL	8/19/04	Yes		Storage	
GNG5H	EZZOL	8/19/04	Yes		Storage	
GNG5L	EZZOL	8/19/04	Yes		Storage	
GNG5N	EZZOL	8/19/04	Yes		Storage	
GNG5P	EZZOL	8/19/04	Yes		Storage	
GNG5Q	EZZOL	8/19/04	Yes		Storage	
GNG5R	EZZOL	8/19/04	Yes		Storage	
GNG5T	EZZOL	8/19/04	Yes		Storage	
GNG5V	EZZOL	8/19/04	Yes		Storage	
GNG5W	EZZOL	8/19/04	Yes		Storage	
GNG5X	EZZOL	8/19/04	Yes		Storage	

RSR280

Client: 5670

Lot #: A4H190348

Case Number/SDG: 100.58.15

Storage Location: MS

Severn Trent Laboratories, Inc.
Sample Control Record

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
GNJEQ	BUCKLEWN	8/19/04	Yes		Storage	

STL Cooler Receipt Form/Narrative **Lot Number:** A4H190207
North Canton Facility

Client: Rayne Firm Project: Quote#:
Cooler Received on: 8-19-04 Opened on: 8-19-04 by: Natalie Bullen (Signature)

Fedx ☐ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ Other: US Cargo
STL Cooler No# K043 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 3.1 °C (see back of form for multiple coolers/temp)

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

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

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

√

1. CHAIN OF CUSTODY

The following discrepancies occurred:
COC = TB03 / 081804; rec'd 2x40 w/ label = Trip Blank; will log per COC.
COC = MW042, MW044, MW043A; labels = MW42, MW44, MW43A; will log per COC.

2. SAMPLE CONDITION

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

3. SAMPLE PRESERVATION

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

4. Other (see below or back)

No date sample dates on COC, will use date in ID 8-18-04 [illegible]

Client ID	pH	Date	Initials

STL Cooler Receipt Form/Narrative **Lot Number:** A4H190348
North Canton Facility

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

Fedx ☐ Client Drop Off ☐ UPS ☐ DHL ☒ FAS ☐ Other:
STL Cooler No# C1010 Foam Box ☐ Client Cooler ☐ Other

1. Were custody seals on the outside of the cooler? Yes ☒ No ☐ Intact? Yes ☒ No ☐ NA ☐
   If YES, Quantity 1
   Were the custody seals signed and dated? Yes ☒ No ☐ NA ☐
2. Shipper's packing slip attached to this form? Yes ☒ No ☐ NA ☐
3. Did custody papers accompany the samples? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☐ None ☐ Other :
6. Cooler temperature upon receipt 2.7 °C (see back of form for multiple coolers/temp)

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

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

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

√		

1. CHAIN OF CUSTODY

The following discrepancies occurred:

2. SAMPLE CONDITION

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

3. SAMPLE PRESERVATION

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

4. Other (see below or back)

Client ID	pH	Date	Initials

SEVERN TRENT STL

GCMS VOLATILE DATA

SEVERN TRENT STL

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H19207

Lot #: A4H190207

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	MW042/081804	94	94	92	77	00
02	MW044/081804	100	92	88	77	00
03	MW043A/081804	98	97	92	78	00
04	MW030/081804	96	94	94	80	00
05	P001/081804	95	97	96	79	00
06	MW031A/081804	98	96	94	80	00
07	MW031D/081804	92	109	96	85	00
08	MW031C/081804	99	97	96	79	00
09	P006/081804	97	93	93	81	00
10	FB02/081804	104	98	91	77	00
11	DUP01/081804	97	95	97	81	00
12	TB03/081804	100	99	95	81	00
13	INTRA-LAB QC	96	98	93	80	00
14	METHOD BLK. GN7MP1AA	98	95	90	78	00
15	METHOD BLK. GN8241AA	100	94	92	78	00
16	LCS GN7MP1AC	93	95	99	97	00
17	LCS GN8241AC	93	94	97	96	00
18	MW031A/081804 D	94	90	98	99	00
19	LAB MS/MSD D	97	99	101	97	00
20	LCSD GN7MP1AD	92	86	97	96	00
21	LCSD GN8241AD	92	93	99	100	00
22	MW031A/081804 S	94	97	98	95	00
23	LAB MS/MSD S	96	97	100	96	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: 4H19207

Lot #: A4H300000 WO #: GN7MP1AC
BATCH: 4243253

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

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SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4H19207

Lot #: A4H300000 WO #: GN7MP1AC
BATCH: 4243253

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

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H19207

Lot #: A4H300000 WO #: GN7MP1AD
BATCH: 4243253

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

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SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H19207

Lot #: A4H300000 WO #: GN7MP1AD
BATCH: 4243253

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

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4H19207

Lot #: A4H310000 WO #: GN8241AC
BATCH: 4244112

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	5.8	58	48- 123	
Bromomethane	10	6.2	62*	64- 129	a
Vinyl chloride	10	6.3	63	61- 120	
Chloroethane	10	6.4	64*	66- 126	a
Methylene chloride	10	10	103	78- 118	
Acetone	10	6.2	62	22- 200	
Carbon disulfide	10	8.6	86	73- 139	
1,1-Dichloroethene	10	9.6	96	63- 130	
1,1-Dichloroethane	10	9.8	98	86- 123	
1,2-Dichloroethene (total	20	19	95	82- 116	
Chloroform	10	9.4	94	84- 128	
1,2-Dichloroethane	10	9.5	95	79- 136	
2-Butanone	10	7.5	75	28- 237	
1,1,1-Trichloroethane	10	9.5	95	78- 140	
Carbon tetrachloride	10	9.9	99	75- 149	
Bromodichloromethane	10	9.8	98	87- 130	
1,2-Dichloropropane	10	9.3	93	82- 115	
cis-1,3-Dichloropropene	10	9.7	97	84- 130	
Trichloroethene	10	9.4	94	75- 122	
Dibromochloromethane	10	11	111	81- 138	
1,1,2-Trichloroethane	10	9.9	99	83- 122	
Benzene	10	9.2	92	80- 116	
trans-1,3-Dichloropropene	10	9.8	98	84- 130	
Bromoform	10	13	130	76- 150	
4-Methyl-2-pentanone	10	8.9	89	78- 141	
2-Hexanone	10	7.9	79	35- 200	
Tetrachloroethene	10	9.2	92	88- 113	
1,1,2,2-Tetrachloroethane	10	11	112	85- 118	
Toluene	10	10	100	74- 119	
Chlorobenzene	10	9.6	96	76- 117	
Ethylbenzene	10	9.0	90	86- 116	

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SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4H19207

Lot #: A4H310000 WO #: GN8241AC
BATCH: 4244112

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	8.9	89	85- 117	
Xylenes (total)	30	27	90	87- 116	
cis-1,2-Dichloroethene	10	9.5	95	85- 113	
trans-1,2-Dichloroethene	10	9.5	95	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:

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H19207

Lot #: A4H310000 WO #: GN8241AD
BATCH: 4244112

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	5.9	59	48- 123	
Bromomethane	10	6.9	69	64- 129	
Vinyl chloride	10	7.0	70	61- 120	
Chloroethane	10	7.3	73	66- 126	
Methylene chloride	10	10	105	78- 118	
Acetone	10	5.5	55	22- 200	
Carbon disulfide	10	8.7	87	73- 139	
1,1-Dichloroethene	10	10	100	63- 130	
1,1-Dichloroethane	10	9.8	98	86- 123	
1,2-Dichloroethene (total	20	20	98	82- 116	
Chloroform	10	9.9	99	84- 128	
1,2-Dichloroethane	10	10	100	79- 136	
2-Butanone	10	7.0	70	28- 237	
1,1,1-Trichloroethane	10	10	102	78- 140	
Carbon tetrachloride	10	10	103	75- 149	
Bromodichloromethane	10	10	103	87- 130	
1,2-Dichloropropane	10	9.7	97	82- 115	
cis-1,3-Dichloropropene	10	10	101	84- 130	
Trichloroethene	10	9.6	96	75- 122	
Dibromochloromethane	10	12	119	81- 138	
1,1,2-Trichloroethane	10	10	101	83- 122	
Benzene	10	9.6	96	80- 116	
trans-1,3-Dichloropropene	10	10	103	84- 130	
Bromoform	10	14	135	76- 150	
4-Methyl-2-pentanone	10	8.9	89	78- 141	
2-Hexanone	10	8.0	80	35- 200	
Tetrachloroethene	10	9.4	94	88- 113	
1,1,2,2-Tetrachloroethane	10	11	112	85- 118	
Toluene	10	11	106	74- 119	
Chlorobenzene	10	10	102	76- 117	
Ethylbenzene	10	9.6	96	86- 116	

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SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H19207

Lot #: A4H310000 WO #: GN8241AD
BATCH: 4244112

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.1	91	85- 117	
Xylenes (total)	30	28	94	87- 116	
cis-1,2-Dichloroethene	10	9.6	96	85- 113	
trans-1,2-Dichloroethene	10	9.9	99	79- 120	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 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: 4H19207

Matrix Spike ID: MW031A/081804

Lot #: A4H190207 WO #: GNG5P1AC
BATCH: 4243253

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	250	ND	220	89	62- 130	
Chloromethane	250	ND	150	62	40- 137	
Bromomethane	250	ND	160	63	55- 145	
Vinyl chloride	250	240	360	48*	88- 126	a
Chloroethane	250	ND	170	68	59- 142	
Methylene chloride	250	ND	210	86	82- 115	
Acetone	250	ND	120	47	45- 128	
Carbon disulfide	250	ND	200	79	69- 138	
1,1-Dichloroethane	250	7.3	230	89	88- 127	
1,2-Dichloroethene (total	500	850	1200	65*	86- 115	a
Chloroform	250	ND	220	89	83- 141	
1,2-Dichloroethane	250	93	300	82	71- 160	
2-Butanone	250	ND	150	60*	71- 123	a
1,1,1-Trichloroethane	250	ND	220	87	71- 162	
Carbon tetrachloride	250	ND	210	85	63- 176	
Bromodichloromethane	250	ND	240	96	80- 146	
1,2-Dichloropropane	250	ND	220	88	87- 114	
cis-1,3-Dichloropropene	250	ND	200	81*	82- 130	a
Trichloroethene	250	460	560	43*	62- 130	a
Dibromochloromethane	250	ND	270	108	71- 158	
1,1,2-Trichloroethane	250	ND	220	89	86- 129	
Benzene	250	35	250	85	78- 118	
trans-1,3-Dichloropropene	250	ND	230	91	73- 147	
Bromoform	250	ND	280	112	58- 176	
4-Methyl-2-pentanone	250	ND	190	77*	82- 135	a
2-Hexanone	250	ND	160	66*	81- 128	a
Tetrachloroethene	250	7.3	210	83*	85- 121	a
1,1,2,2-Tetrachloroethane	250	ND	270	110	88- 116	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H19207

Matrix Spike ID: MW031A/081804

Lot #: A4H190207 WO #: GNG5P1AC
BATCH: 4243253

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Toluene	250	ND	230	92	70- 119	
Chlorobenzene	250	ND	220	89	76- 117	
Ethylbenzene	250	ND	210	84*	86- 132	a
Styrene	250	ND	200	81*	83- 120	a
Xylenes (total)	750	ND	610	81*	89- 121	a
cis-1,2-Dichloroethene	250	820	930	43*	87- 114	a
trans-1,2-Dichloroethene	250	26	240	87	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: 12 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: 4H19207

Matrix Spike ID: MW031A/081804

Lot #: A4H190207 WO #: GNG5P1AD
BATCH: 4243253

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	250	240	97	8.6	20	62- 130	
Chloromethane	250	180	70	13	39	40- 137	
Bromomethane	250	180	70	11	30	55- 145	
Vinyl chloride	250	360	49*	1.1	30	88- 126	a
Chloroethane	250	180	73	7.9	30	59- 142	
Methylene chloride	250	240	95	11	30	82- 115	
Acetone	250	120	49	4.7	30	45- 128	
Carbon disulfide	250	210	84	5.8	41	69- 138	
1,1-Dichloroethane	250	250	98	9.7	30	88- 127	
1,2-Dichloroethene (total	500	1200	67*	0.69	30	86- 115	a
Chloroform	250	250	100	11	30	83- 141	
1,2-Dichloroethane	250	320	91	7.0	30	71- 160	
2-Butanone	250	170	68*	12	30	71- 123	a
1,1,1-Trichloroethane	250	240	95	8.8	30	71- 162	
Carbon tetrachloride	250	230	94	9.5	30	63- 176	
Bromodichloromethane	250	250	101	5.6	30	80- 146	
1,2-Dichloropropane	250	240	97	9.8	30	87- 114	
cis-1,3-Dichloropropene	250	220	90	10	30	82- 130	
Trichloroethene	250	560	42*	0.060	20	62- 130	a
Dibromochloromethane	250	290	115	6.3	30	71- 158	
1,1,2-Trichloroethane	250	250	101	12	30	86- 129	
Benzene	250	260	92	6.8	20	78- 118	
trans-1,3-Dichloropropene	250	240	97	6.3	30	73- 147	
Bromoform	250	310	123	8.7	30	58- 176	
4-Methyl-2-pentanone	250	220	87	11	30	82- 135	
2-Hexanone	250	180	74*	12	30	81- 128	a
Tetrachloroethene	250	220	84*	0.70	30	85- 121	a
1,1,2,2-Tetrachloroethane	250	290	115	4.8	30	88- 116	

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SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H19207

Matrix Spike ID: MW031A/081804

Lot #: A4H190207 WO #: GNG5P1AD
BATCH: 4243253

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Toluene	250	250	100	8.1	20	70- 119	
Chlorobenzene	250	240	96	7.5	20	76- 117	
Ethylbenzene	250	230	93	10	30	86- 132	
Styrene	250	220	88	7.4	30	83- 120	
Xylenes (total)	750	650	86*	5.8	30	89- 121	a
cis-1,2-Dichloroethene	250	920	39*	1.1	30	87- 114	a
trans-1,2-Dichloroethene	250	260	95	7.3	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: 8 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: 4H19207

Matrix Spike ID: LAB MS/MSD

Lot #: A4H200225 WO #: GNK5J1AC
BATCH: 4244112

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	12000	ND	11000	87	62- 130	
Chloromethane	12000	ND	7300	59	40- 137	
Bromomethane	12000	ND	8200	66	55- 145	
Vinyl chloride	12000	4300	12000	61*	88- 126	a
Chloroethane	12000	ND	8500	68	59- 142	
Methylene chloride	12000	3900	14000	85	82- 115	
Acetone	12000	ND	7400	59	45- 128	
Carbon disulfide	12000	ND	9800	78	69- 138	
1,1-Dichloroethane	12000	500	12000	90	88- 127	
1,2-Dichloroethene (total	25000	11000	34000	91	86- 115	
Chloroform	12000	ND	11000	89	83- 141	
1,2-Dichloroethane	12000	ND	11000	91	71- 160	
2-Butanone	12000	ND	8100	65*	71- 123	a
1,1,1-Trichloroethane	12000	ND	11000	86	71- 162	
Carbon tetrachloride	12000	ND	11000	88	63- 176	
Bromodichloromethane	12000	ND	12000	96	80- 146	
1,2-Dichloropropane	12000	ND	11000	88	87- 114	
cis-1,3-Dichloropropene	12000	ND	11000	87	82- 130	
Trichloroethene	12000	15000	26000	86	62- 130	
Dibromochloromethane	12000	ND	13000	107	71- 158	
1,1,2-Trichloroethane	12000	ND	11000	90	86- 129	
Benzene	12000	ND	11000	88	78- 118	
trans-1,3-Dichloropropene	12000	ND	11000	92	73- 147	
Bromoform	12000	ND	15000	117	58- 176	
4-Methyl-2-pentanone	12000	ND	10000	80*	82- 135	a
2-Hexanone	12000	ND	8800	71*	81- 128	a
Tetrachloroethene	12000	31000	43000	91	85- 121	
1,1,2,2-Tetrachloroethane	12000	ND	13000	105	88- 116	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H19207

Matrix Spike ID: LAB MS/MSD

Lot #: A4H200225 WO #: GNK5J1AC
BATCH: 4244112

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Toluene	12000	ND	12000	94	70- 119	
Chlorobenzene	12000	ND	11000	92	76- 117	
Ethylbenzene	12000	ND	10000	83*	86- 132	a
Styrene	12000	ND	10000	84	83- 120	
Xylenes (total)	38000	ND	31000	83*	89- 121	a
cis-1,2-Dichloroethene	12000	11000	23000	94	87- 114	
trans-1,2-Dichloroethene	12000	300	11000	89	85- 116	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

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

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

COMMENTS:

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H19207

Matrix Spike ID: LAB MS/MSD

Lot #: A4H200225 WO #: GNK5J1AD
BATCH: 4244112

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	12000	13000	100	14	20	62- 130	
Chloromethane	12000	8500	68	15	39	40- 137	
Bromomethane	12000	8500	68	3.7	30	55- 145	
Vinyl chloride	12000	13000	71*	9.8	30	88- 126	a
Chloroethane	12000	9000	72	5.5	30	59- 142	
Methylene chloride	12000	16000	95	8.7	30	82- 115	
Acetone	12000	7500	60	1.9	30	45- 128	
Carbon disulfide	12000	11000	89	13	41	69- 138	
1,1-Dichloroethane	12000	13000	99	9.2	30	88- 127	
1,2-Dichloroethene (total	25000	37000	104	8.9	30	86- 115	
Chloroform	12000	12000	98	10	30	83- 141	
1,2-Dichloroethane	12000	13000	101	11	30	71- 160	
2-Butanone	12000	8700	69*	6.3	30	71- 123	a
1,1,1-Trichloroethane	12000	12000	98	13	30	71- 162	
Carbon tetrachloride	12000	12000	97	9.5	30	63- 176	
Bromodichloromethane	12000	13000	101	5.7	30	80- 146	
1,2-Dichloropropane	12000	13000	101	14	30	87- 114	
cis-1,3-Dichloropropene	12000	12000	98	11	30	82- 130	
Trichloroethene	12000	28000	103	7.5	20	62- 130	
Dibromochloromethane	12000	15000	118	9.6	30	71- 158	
1,1,2-Trichloroethane	12000	13000	102	12	30	86- 129	
Benzene	12000	12000	98	11	20	78- 118	
trans-1,3-Dichloropropene	12000	13000	103	11	30	73- 147	
Bromoform	12000	16000	129	9.6	30	58- 176	
4-Methyl-2-pentanone	12000	11000	88	10	30	82- 135	
2-Hexanone	12000	9600	77*	8.2	30	81- 128	a
Tetrachloroethene	12000	47000	122*	8.6	30	85- 121	a
1,1,2,2-Tetrachloroethane	12000	14000	115	9.3	30	88- 116	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4H19207

Matrix Spike ID: LAB MS/MSD

Lot #: A4H200225 WO #: GNK5J1AD
BATCH: 4244112

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Toluene	12000	13000	105	11	20	70- 119	
Chlorobenzene	12000	13000	102	10	20	76- 117	
Ethylbenzene	12000	11000	92	9.9	30	86- 132	
Styrene	12000	12000	93	10	30	83- 120	
Xylenes (total)	38000	35000	93	11	30	89- 121	
cis-1,2-Dichloroethene	12000	24000	103	5.2	30	87- 114	
trans-1,2-Dichloroethene	12000	13000	105	16	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: 4 out of 35 outside limits

COMMENTS:

BLANK WORKORDER NO.

GN7MP1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4H19207

Lab File ID: UX79336.D

Lot Number: A4H190207

Date Analyzed: 08/27/04

Time Analyzed: 21:39

Matrix: WATER

Date Extracted:08/27/04

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX7

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MW042/081804	GNG5C1AA	UX79343.D	08/28/04	00:23
02	MW044/081804	GNG5G1AA	UX79344.D	08/28/04	00:46
03	MW043A/081804	GNG5H1AA	UX79345.D	08/28/04	01:09
04	MW030/081804	GNG5L1AA	UX79346.D	08/28/04	01:33
05	P001/081804	GNG5N1AA	UX79347.D	08/28/04	01:56
06	MW031A/081804	GNG5P1AA	UX79348.D	08/28/04	02:19
07	MW031A/081804	GNG5P1AC S	UX79349.D	08/28/04	02:42
08	MW031A/081804	GNG5P1AD D	UX79350.D	08/28/04	03:06
09	MW031C/081804	GNG5R1AA	UX79352.D	08/28/04	03:52
10	P006/081804	GNG5T1AA	UX79353.D	08/28/04	04:16
11	FB02/081804	GNG5V1AA	UX79354.D	08/28/04	04:39
12	DUP01/081804	GNG5W1AA	UX79355.D	08/28/04	05:02
13	TB03/081804	GNG5X1AA	UX79356.D	08/28/04	05:25
14	CHECK SAMPLE	GN7MP1AC C	UX79334.D	08/27/04	20:52
15	DUPLICATE CHECK	GN7MP1AD L	UX79335.D	08/27/04	21:16
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COMMENTS:

FORM IV

BLANK WORKORDER NO.

GN8241AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4H19207

Lab File ID: UX79363.D

Lot Number: A4H190207

Date Analyzed: 08/30/04

Time Analyzed: 09:50

Matrix: WATER

Date Extracted:08/30/04

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX7

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MW031D/081804	GNG5Q1AA	UX79367.D	08/30/04	11:56
02	INTRA-LAB QC	GNK5J1AA	UX79378.D	08/30/04	16:12
03	LAB MS/MSD	GNK5J1AC S	UX79375.D	08/30/04	15:02
04	LAB MS/MSD	GNK5J1AD D	UX79376.D	08/30/04	15:25
05	CHECK SAMPLE	GN8241AC C	UX79361.D	08/30/04	09:03
06	DUPLICATE CHECK	GN8241AD L	UX79362.D	08/30/04	09:26
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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.: 4H19207

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

Instrument ID: A3UX7 BFB Injection Time: 0854

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.0
75	30.0 - 60.0% of mass 95	48.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	61.6
175	5.0 - 9.0% of mass 174	4.5 (7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	60.0 (97.4)1
177	5.0 - 9.0% of mass 176	3.8 (6.3)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	5.0NGA9CAL	UX77660	07/15/04	1234
02	VSTD002	10NGA9CAL	UX77661	07/15/04	1258
03	VSTD005	25NGA9CAL	UX77662	07/15/04	1321
04	VSTD010	50NGA9CAL	UX77663	07/15/04	1409
05	VSTD020	100NGA9CAL	UX77664	07/15/04	1433
06	VSTD040	200NGA9CAL	UX77665	07/15/04	1456
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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.: 4H19207

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

Instrument ID: A3UX7 BFB Injection Time: 0756

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

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

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	5NG8260CAL	UX79038	08/21/04	0818
02	VSTD002	10NG8260CAL	UX79039	08/21/04	0841
03	VSTD005	25NG8260CAL	UX79040	08/21/04	0904
04	VSTD010	50NG8260CAL	UX79041	08/21/04	0927
05	VSTD020	100NG8260CAL	UX79042	08/21/04	0950
06	VSTD040	200NG8260CAL	UX79043	08/21/04	1014
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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.: 4H19207

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

Instrument ID: A3UX7 BFB Injection Time: 1943

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.2
75	30.0 - 60.0% of mass 95	57.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	61.6
175	5.0 - 9.0% of mass 174	4.6 (7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	60.0 (97.4)1
177	5.0 - 9.0% of mass 176	4.3 (7.1)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NGA9-CC	UX79332	08/27/04	2006
02	VSTD010	50NG-CC	UX79333	08/27/04	2029
03	GN7MP-CHK	GN7MP1AC	UX79334	08/27/04	2052
04	GN7MP-CKDUP	GN7MP1AD	UX79335	08/27/04	2116
05	GN7MP-BLK	GN7MP1AA	UX79336	08/27/04	2139
06	MW042/081804	GNG5C1AA	UX79343	08/28/04	0023
07	MW044/081804	GNG5G1AA	UX79344	08/28/04	0046
08	MW043A/08180	GNG5H1AA	UX79345	08/28/04	0109
09	MW030/081804	GNG5L1AA	UX79346	08/28/04	0133
10	P001/081804	GNG5N1AA	UX79347	08/28/04	0156
11	MW031A/08180	GNG5P1AA	UX79348	08/28/04	0219
12	MW031A/08180	GNG5P1AC	UX79349	08/28/04	0242
13	MW031A/08180	GNG5P1AD	UX79350	08/28/04	0306
14	MW031C/08180	GNG5R1AA	UX79352	08/28/04	0352
15	P006/081804	GNG5T1AA	UX79353	08/28/04	0416
16	FB02/081804	GNG5V1AA	UX79354	08/28/04	0439
17	DUP01/081804	GNG5W1AA	UX79355	08/28/04	0502
18	TB03/081804	GNG5X1AA	UX79356	08/28/04	0525
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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.: 4H19207

Lab File ID: BFB391 BFB Injection Date: 08/30/04

Instrument ID: A3UX7 BFB Injection Time: 0753

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.9
75	30.0 - 60.0% of mass 95	54.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 100.0% of mass 95	70.5
175	5.0 - 9.0% of mass 174	4.9 (7.0)1
176	Greater than 95.0%, but less than 101.0% of mass 174	68.0 (96.4)1
177	5.0 - 9.0% of mass 176	4.1 (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	VSTD010	50NG-A9CC	UX79359	08/30/04	0817
02	VSTD010	50NG-CC	UX79360	08/30/04	0840
03	GN824-CHK	GN8241AC	UX79361	08/30/04	0903
04	GN824-CKDUP	GN8241AD	UX79362	08/30/04	0926
05	GN824-BLK	GN8241AA	UX79363	08/30/04	0950
06	MW031D/08180	GNG5Q1AA	UX79367	08/30/04	1156
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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.: 4H19207

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

Instrument ID: A3UX7 Time Analyzed: 2029

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

		IS1(CBZ) AREA #	RT	IS2 AREA #	RT	IS3(DCB) AREA #	RT
	12 HOUR STD	579090	7.57	870722	4.95	253033	9.79
	UPPER LIMIT	1158180	8.07	1741444	5.45	506066	10.29
	LOWER LIMIT	289545	7.07	435361	4.45	126517	9.29
	EPA SAMPLE NO.						
01	GN7MP-CHK	618436	7.57	921922	4.96	243577	9.80
02	GN7MP-CKDUP	613561	7.57	931596	4.95	244394	9.79
03	GN7MP-BLK	582659	7.57	859366	4.95	199294	9.79
04	MW042/081804	576035	7.57	860762	4.95	212000	9.79
05	MW044/081804	586842	7.58	852772	4.95	206147	9.79
06	MW043A/08180	564236	7.58	833764	4.95	196951	9.79
07	MW030/081804	549887	7.57	827135	4.96	194446	9.80
08	P001/081804	547039	7.57	841548	4.95	193514	9.79
09	MW031A/08180	556331	7.57	843020	4.95	195268	9.79
10	MW031A/08180	585798	7.57	890562	4.95	222842	9.79
11	MW031A/08180	583387	7.57	884176	4.96	228323	9.80
12	MW031C/08180	552168	7.57	832990	4.95	206150	9.79
13	P006/081804	552584	7.57	848578	4.95	205704	9.79
14	FB02/081804	550666	7.58	799521	4.95	197928	9.79
15	DUP01/081804	541173	7.57	845556	4.96	196782	9.79
16	TB03/081804	529974	7.57	798346	4.95	197752	9.79
17							
18							
19							
20							
21							
22							

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

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

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

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FORM VIII VOA 1/87 Rev.

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4H19207

Lab File ID (Standard): UX79360 Date Analyzed: 08/30/04

Instrument ID: A3UX7 Time Analyzed: 0840

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	614043	7.58	928285	4.95	256675	9.79
	UPPER LIMIT	1228086	8.08	1856570	5.45	513350	10.29
	LOWER LIMIT	307022	7.08	464143	4.45	128338	9.29
	EPA SAMPLE NO.						
01	GN824-CHK	631668	7.57	947491	4.95	253403	9.79
02	GN824-CKDUP	617529	7.57	931652	4.95	254778	9.79
03	GN824-BLK	597066	7.58	881842	4.95	215015	9.79
04	MW031D/08180	547780	7.57	871626	4.94	199083	9.79
05							
06							
07							
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18							
19							
20							
21							
22							

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

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

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

page 1 of 1

FORM VIII VOA 1/87 Rev.

SEVERN TRENT STL

SAMPLE DATA

PAYNE FIRM INC.

Client Sample ID: MW042/081804

GC/MS Volatiles

Lot-Sample #...: A4H190207-001 **Work Order #...:** GNG5C1AA **Matrix.....:** WG
Date Sampled...: 08/18/04 10:46 **Date Received..:** 08/19/04
Prep Date.....: 08/28/04 **Analysis Date..:** 08/28/04
Prep Batch #...: 4243253
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: MW042/081804

GC/MS Volatiles

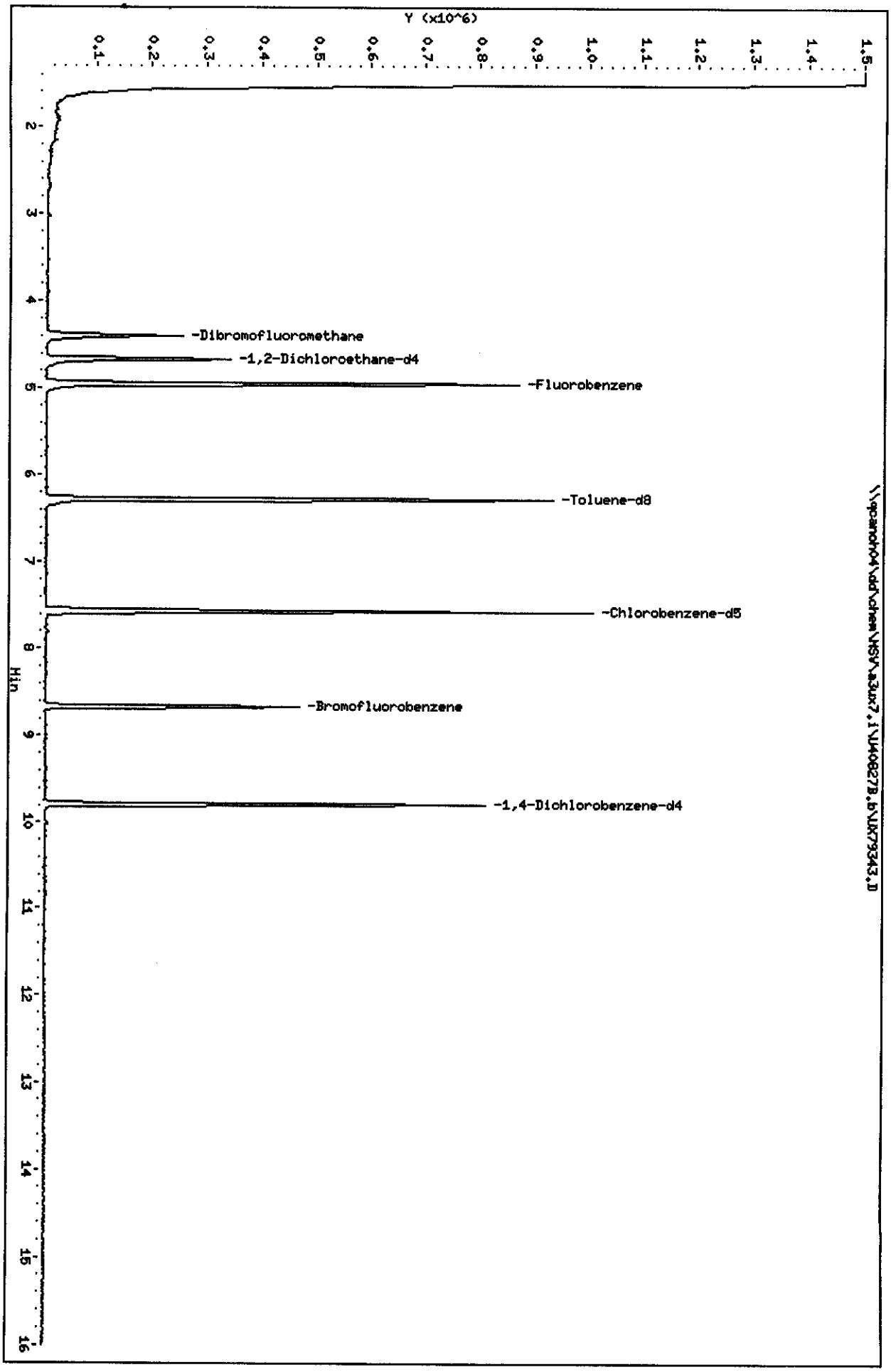
Lot-Sample #...: A4H190207-001 **Work Order #...:** GNG5C1AA **Matrix.....:** WG

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	94	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
Toluene-d8	92	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

Data File: \\qpanoh04\dd\chem\HSV\a3ux7.i\U40827B.b\UX79343.D
Date : 28-AUG-2004 00:23
Client ID: MW042/081804
Sample Info: CNGSC1W1,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79343.D
Report Date: 30-Aug-2004 12:15

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79343.D
Lab Smp Id: GNG5C1AA Client Smp ID: MW042/081804
Inj Date : 28-AUG-2004 00:23
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNG5C1AA,5ML/5ML
Misc Info : U40827B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 30-Aug-2004 12:06 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.953	4.952	(1.000)	860762	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.567	(1.000)	576035	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	212000	50.0000	
$ 4 Dibromofluoromethane	113	4.397	4.396	(0.888)	180917	47.2180	9.444
$ 5 1,2-Dichloroethane-d4	65	4.669	4.668	(0.943)	268853	46.8708	9.374
$ 6 Toluene-d8	98	6.278	6.277	(0.830)	680803	45.8530	9.171
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	181982	38.4392	7.688
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79343.D
Report Date: 30-Aug-2004 12:15

	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\U40827B.b\UX79343.D
Report Date: 30-Aug-2004 12:15

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

PAYNE FIRM INC.

Client Sample ID: MW044/081804

GC/MS Volatiles

Lot-Sample #...: A4H190207-002 **Work Order #...:** GNG5G1AA **Matrix.....:** WG
Date Sampled...: 08/18/04 12:52 **Date Received..:** 08/19/04
Prep Date.....: 08/28/04 **Analysis Date..:** 08/28/04
Prep Batch #...: 4243253
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.

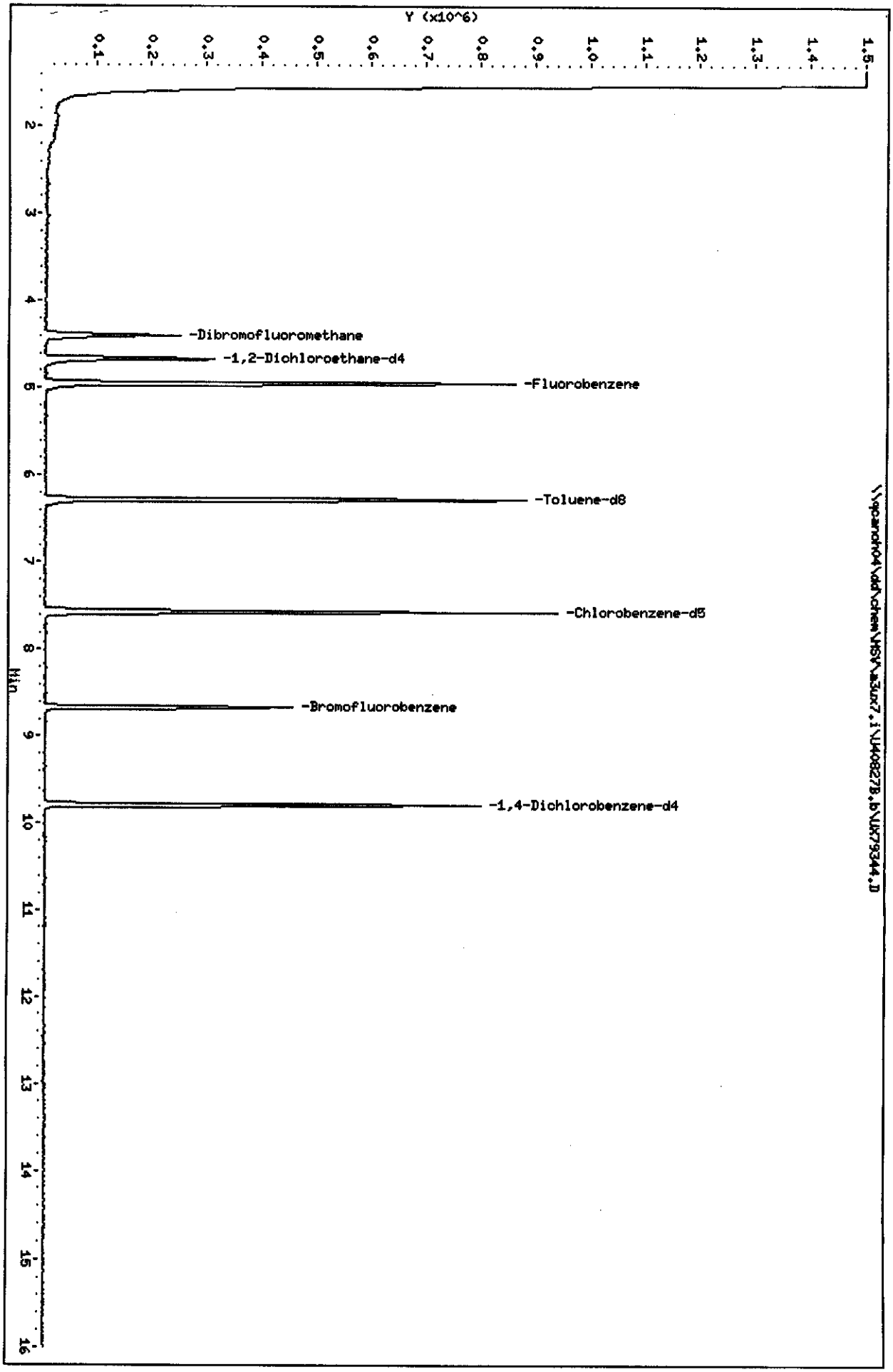
Client Sample ID: MW044/081804

GC/MS Volatiles

Lot-Sample #...: A4H190207-002 **Work Order #...:** GNG5G1AA **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	100	(73 - 122)
1,2-Dichloroethane-d4	92	(61 - 128)
Toluene-d8	88	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)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Date : 28-AUG-2004 00:46
Client ID: HW044/081804
Sample Info: GN050104,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
\\qcanch04\dd\chem\HSV\a3ux7.i\U408278.b\UX79344.D
Y (x10^6)
Min
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-Toluene-d8
-Chlorobenzene-d5
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79344.D
Report Date: 30-Aug-2004 12:16

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79344.D
Lab Smp Id: GNG5G1AA Client Smp ID: MW044/081804
Inj Date : 28-AUG-2004 00:46
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNG5G1AA,5ML/5ML
Misc Info : U40827B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 30-Aug-2004 12:06 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	852772	50.0000	
* 2 Chlorobenzene-d5	117	7.578	7.567	(1.000)	586842	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.792	(1.000)	206147	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.396	(0.888)	189189	49.8395	9.968
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	260136	45.7760	9.155
$ 6 Toluene-d8	98	6.277	6.277	(0.828)	664357	43.9214	8.784
$ 7 Bromofluorobenzene	95	8.667	8.668	(1.144)	185683	38.4987	7.700
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79344.D
Report Date: 30-Aug-2004 12:16

	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\U40827B.b\UX79344.D
Report Date: 30-Aug-2004 12:16

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

PAYNE FIRM INC.

Client Sample ID: MW043A/081804

GC/MS Volatiles

Lot-Sample #...: A4H190207-003 **Work Order #...:** GNG5H1AA **Matrix.....:** WG
Date Sampled...: 08/18/04 14:20 **Date Received..:** 08/19/04
Prep Date.....: 08/28/04 **Analysis Date..:** 08/28/04
Prep Batch #...: 4243253
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.

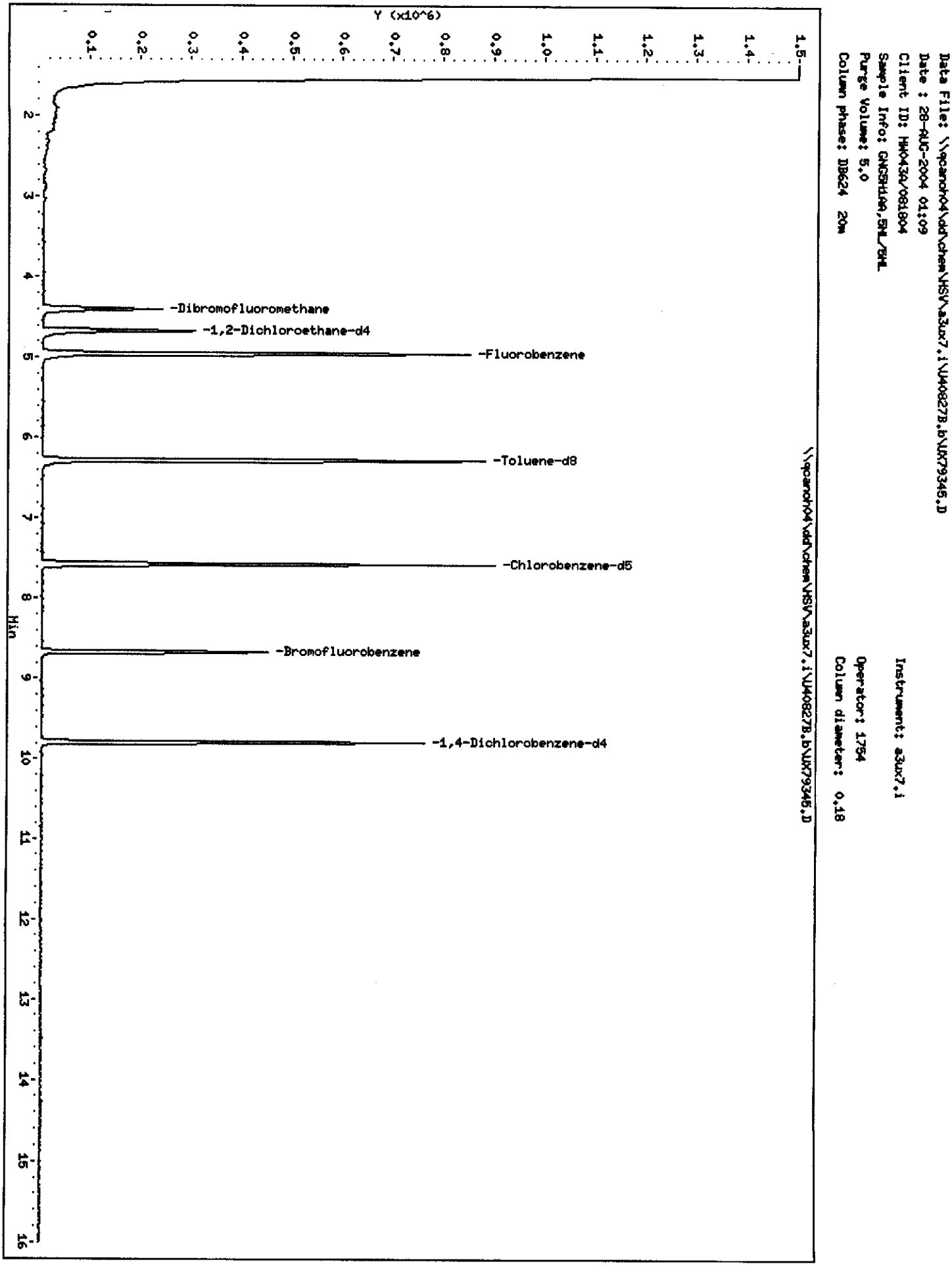
Client Sample ID: MW043A/081804

GC/MS Volatiles

Lot-Sample #...: A4H190207-003 **Work Order #...:** GNG5H1AA **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	98	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	92	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)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Date : 28-AUG-2004 01:09
Client ID: HW043A/081804
Sample Info: GNG5H1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
\\qcanoh04\dd\chem\HSV\a3ux7.i\U40827B.b\UX79345.D
Y (x10^6)
Min
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-Toluene-d8
-Chlorobenzene-d5
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79345.D
Report Date: 30-Aug-2004 12:16

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79345.D
Lab Smp Id: GNG5H1AA Client Smp ID: MW043A/081804
Inj Date : 28-AUG-2004 01:09
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNG5H1AA,5ML/5ML
Misc Info : U40827B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 30-Aug-2004 12:06 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.951	4.952	(1.000)	833764	50.0000	
* 2 Chlorobenzene-d5	117	7.578	7.567	(1.000)	564236	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.792	(1.000)	196951	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.396	(0.888)	181843	48.9964	9.799
$ 5 1,2-Dichloroethane-d4	65	4.667	4.668	(0.943)	269170	48.4456	9.689
$ 6 Toluene-d8	98	6.277	6.277	(0.828)	666333	45.8169	9.163
$ 7 Bromofluorobenzene	95	8.667	8.668	(1.144)	180501	38.9236	7.785
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79345.D
Report Date: 30-Aug-2004 12:16

	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\U40827B.b\UX79345.D
Report Date: 30-Aug-2004 12:16

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

PAYNE FIRM INC.

Client Sample ID: MW030/081804

GC/MS Volatiles

Lot-Sample #...: A4H190207-004 **Work Order #...:** GNG5L1AA **Matrix.....:** WG
Date Sampled...: 08/18/04 14:12 **Date Received..:** 08/19/04
Prep Date.....: 08/28/04 **Analysis Date..:** 08/28/04
Prep Batch #...: 4243253
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	**0.28 J**	**1.0**	**ug/L**
cis-1,2-Dichloroethene	**0.86 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)	**0.86 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	**50**	**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: MW030/081804

GC/MS Volatiles

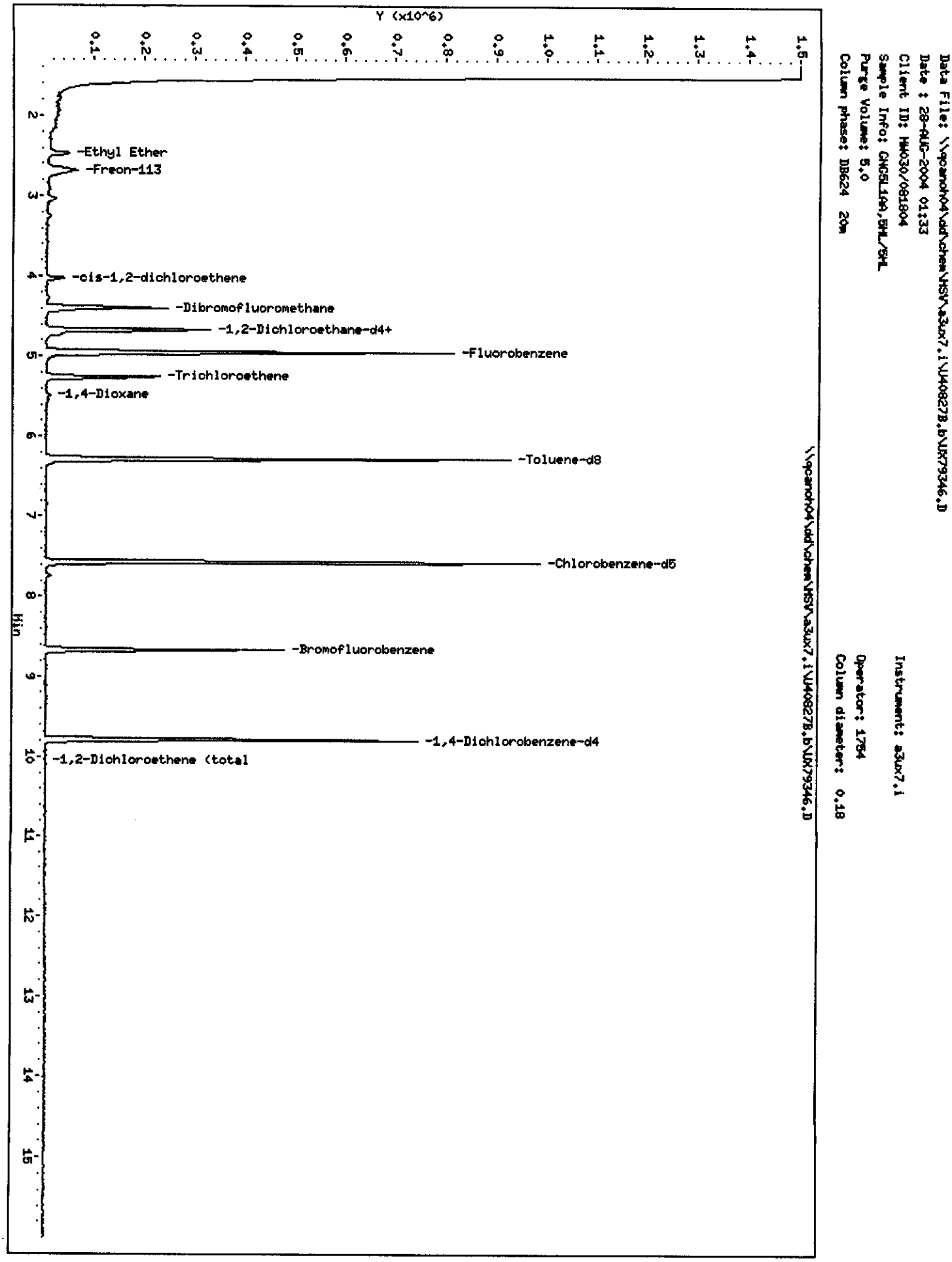
Lot-Sample #...: A4H190207-004 **Work Order #...:** GNG5L1AA **Matrix.....:** WG

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	**4.0**	**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	94	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 28-AUG-2004 01:33
Client ID: MW030/081804
Sample Info: GNG5L1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
\\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79346.D
Y (x10^6)
Min
-Ethyl Ether
-Freon-113
-cis-1,2-dichloroethene
-Dibromofluoromethane
-1,2-Dichloroethane-d4+
-Fluorobenzene
-Trichloroethene
-1,4-Dioxane
-Toluene-d8
-Chlorobenzene-d5
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4
-1,2-Dichloroethene (total

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79346.D
Report Date: 30-Aug-2004 12:17

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79346.D
Lab Smp Id: GNG5L1AA Client Smp ID: MW030/081804
Inj Date : 28-AUG-2004 01:33
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNG5L1AA,5ML/5ML
Misc Info : U40827B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 30-Aug-2004 12:06 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.955	4.952	(1.000)	827135	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.567	(1.000)	549887	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.792	(1.000)	194446	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.396	(0.888)	176193	47.8546	9.571
$ 5 1,2-Dichloroethane-d4	65	4.671	4.668	(0.943)	259759	47.1265	9.425
$ 6 Toluene-d8	98	6.280	6.277	(0.830)	668765	47.1841	9.437
$ 7 Bromofluorobenzene	95	8.670	8.668	(1.145)	180298	39.8944	7.979
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	2.683	2.680	(0.542)	39046	15.7721	3.154
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79346.D
Report Date: 30-Aug-2004 12:17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				19804	4.28736	0.8575
	32 cis-1,2-dichloroethene	96	4.032	4.029	(0.814)	19804	4.28736	0.8575
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	4.730	4.727	(0.955)	9739	1.37589	0.2752
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	5.263	5.260	(1.062)	80062	20.0120	4.002
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.547	5.532	(1.119)	5342	250.217	50.043(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79346.D
Report Date: 30-Aug-2004 12:17

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.470	2.467	(0.499)	37177	9.35974	1.872
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79346.D

Date : 28-AUG-2004 01:33

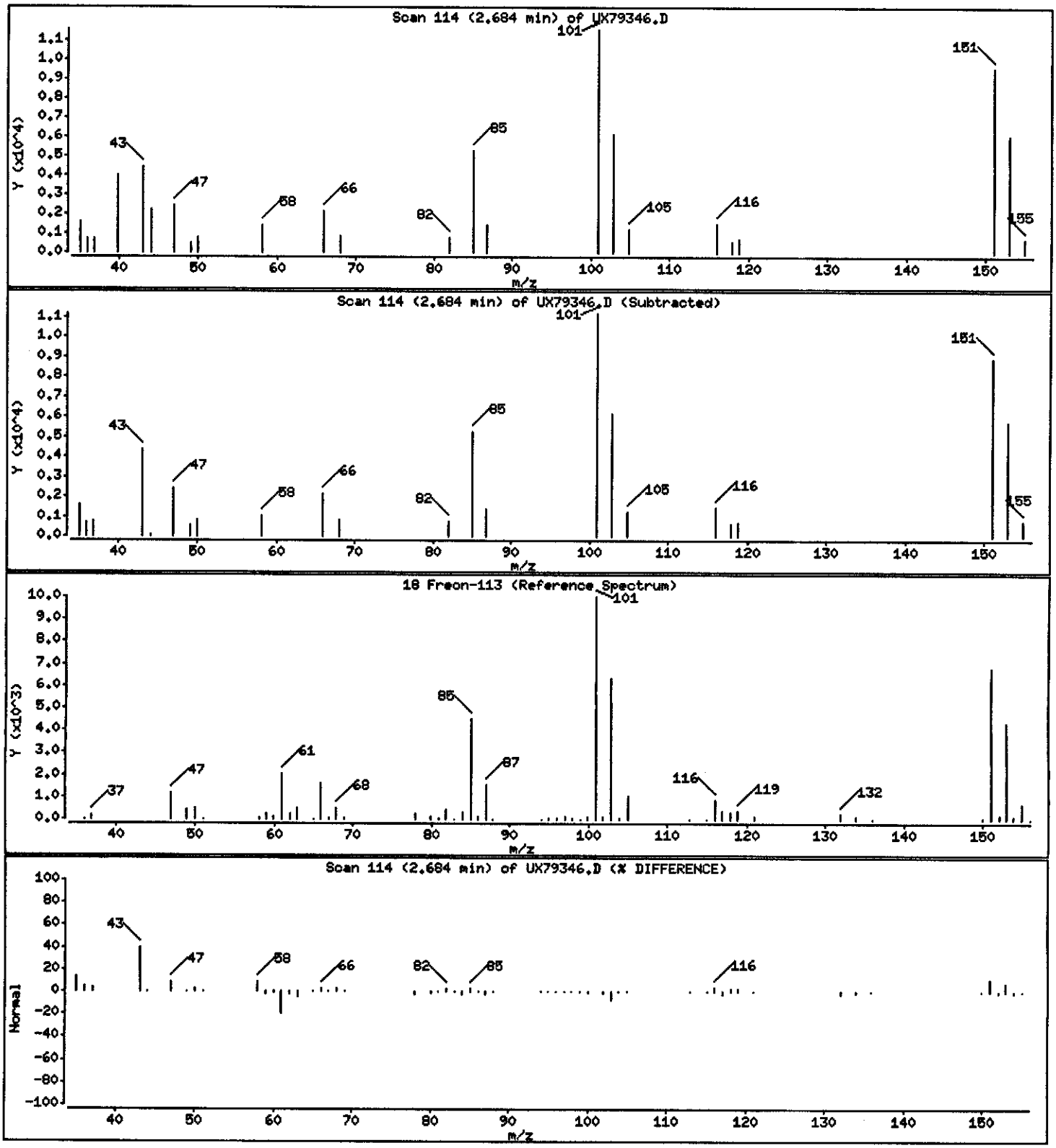
Client ID: MW030/081804 Instrument: a3ux7.i

Sample Info: GNC5L1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

18 Freon-113 Concentration: 3.154 ug/L



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Date : 28-AUG-2004 01:33

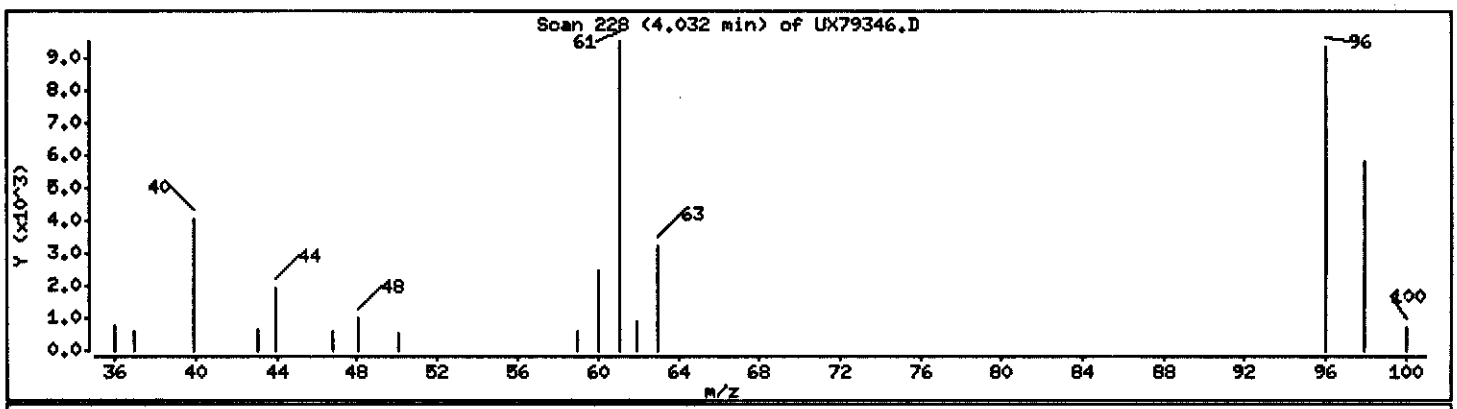
Client ID: MW030/081804 Instrument: a3ux7.i

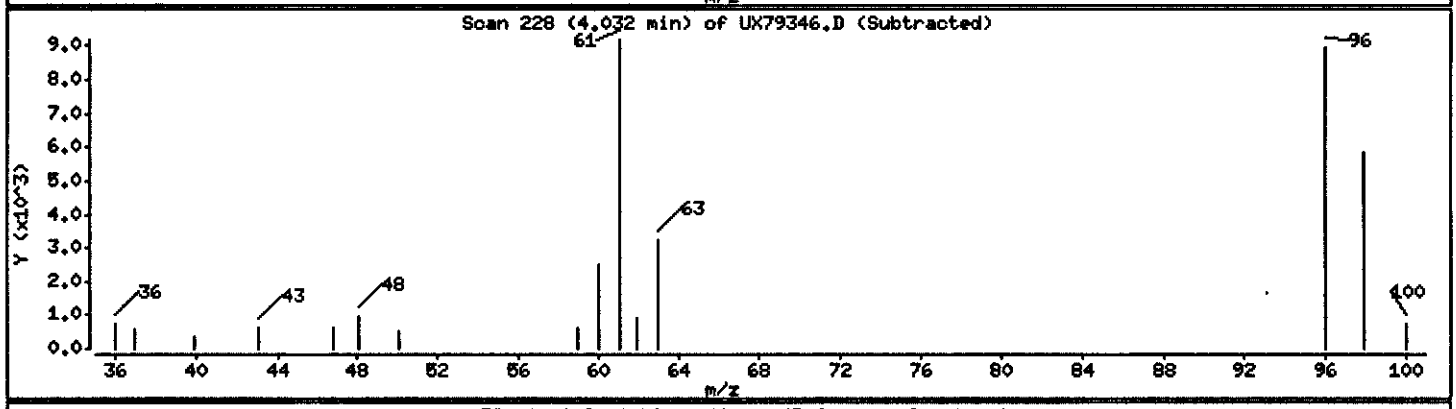
Sample Info: GNC5L1AA,5ML/5ML

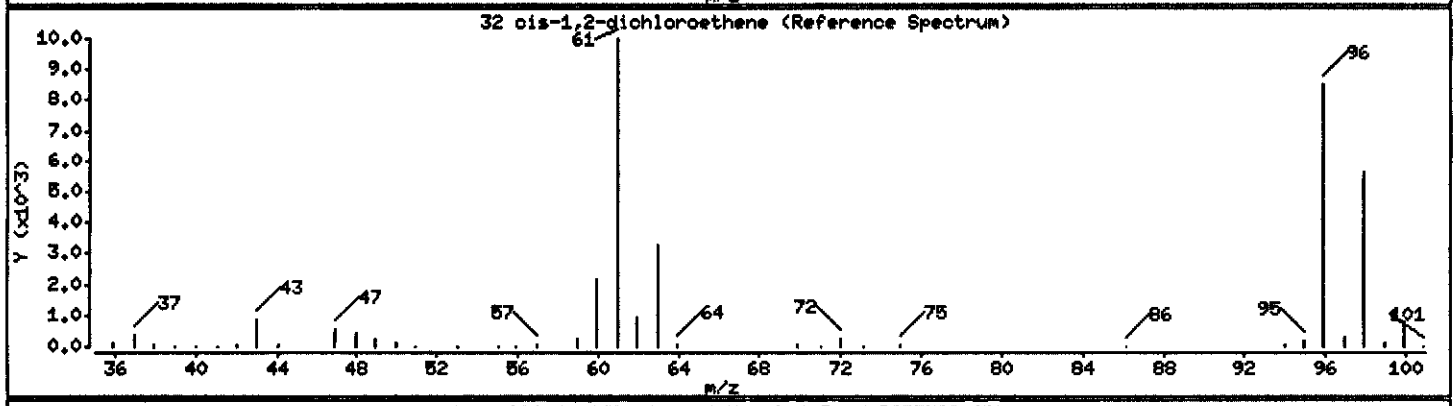
Purge Volume: 5.0 Operator: 1754

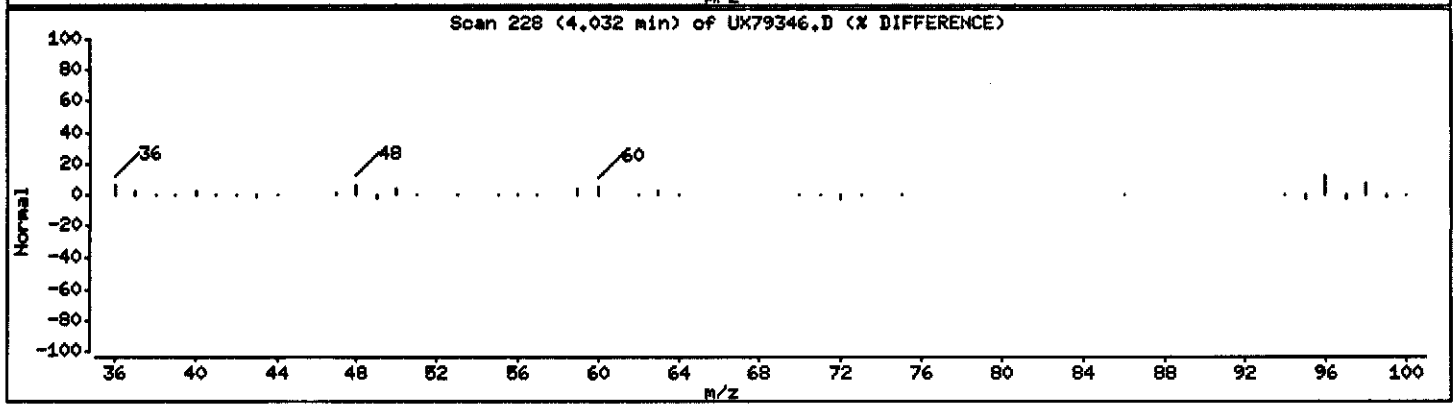
Column phase: DB624 20m Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 0.8575 ug/L









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Date : 28-AUG-2004 01:33

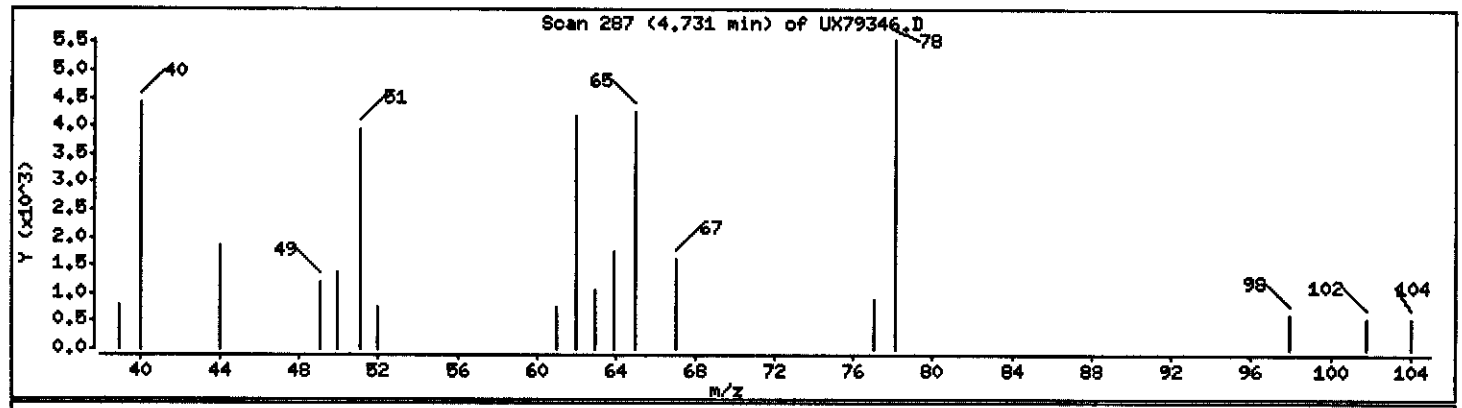
Client ID: MW030/081804 Instrument: a3ux7.i

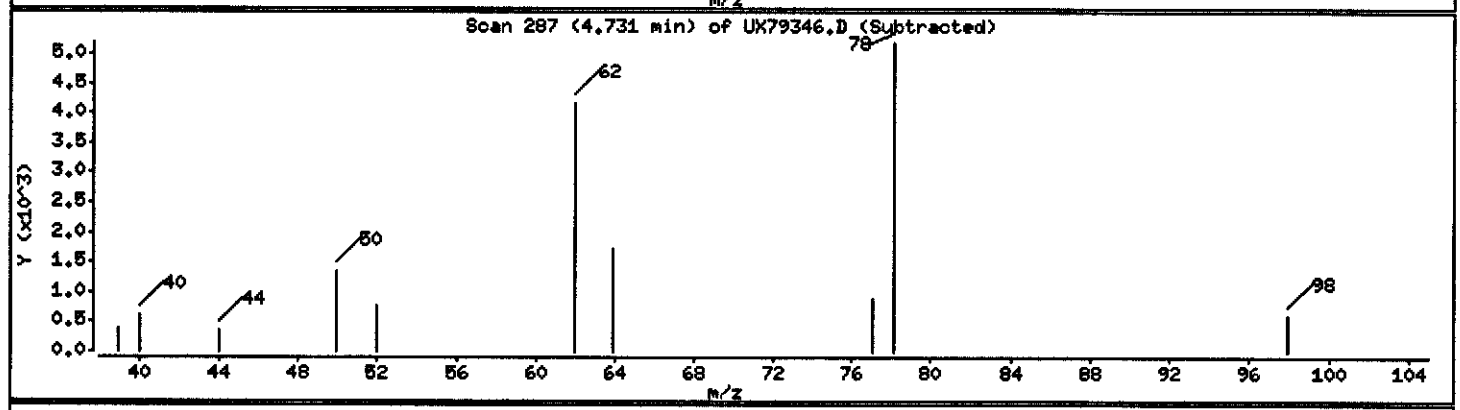
Sample Info: GNG5L1AA,5ML/5ML

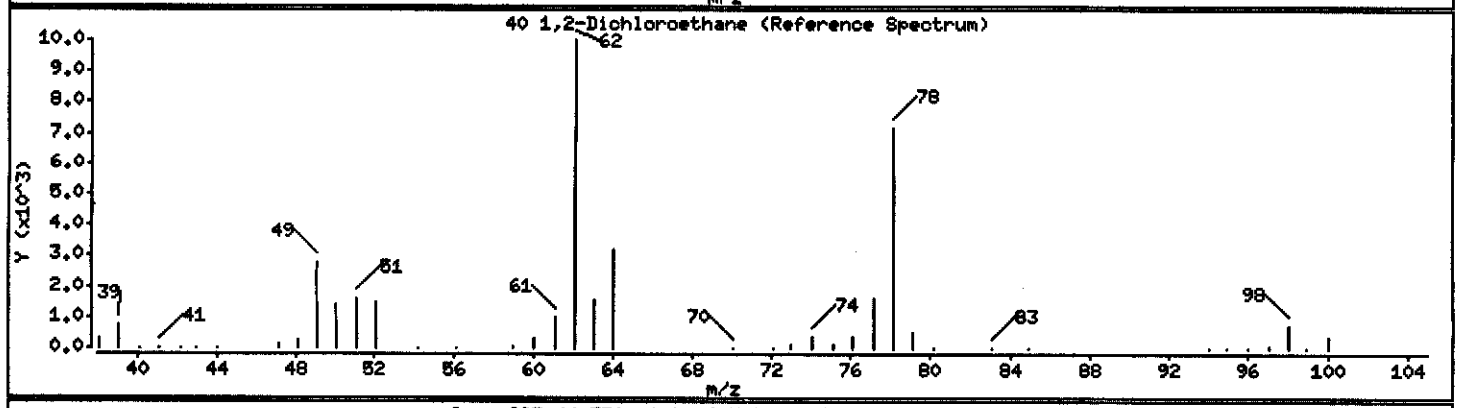
Purge Volume: 5.0 Operator: 1754

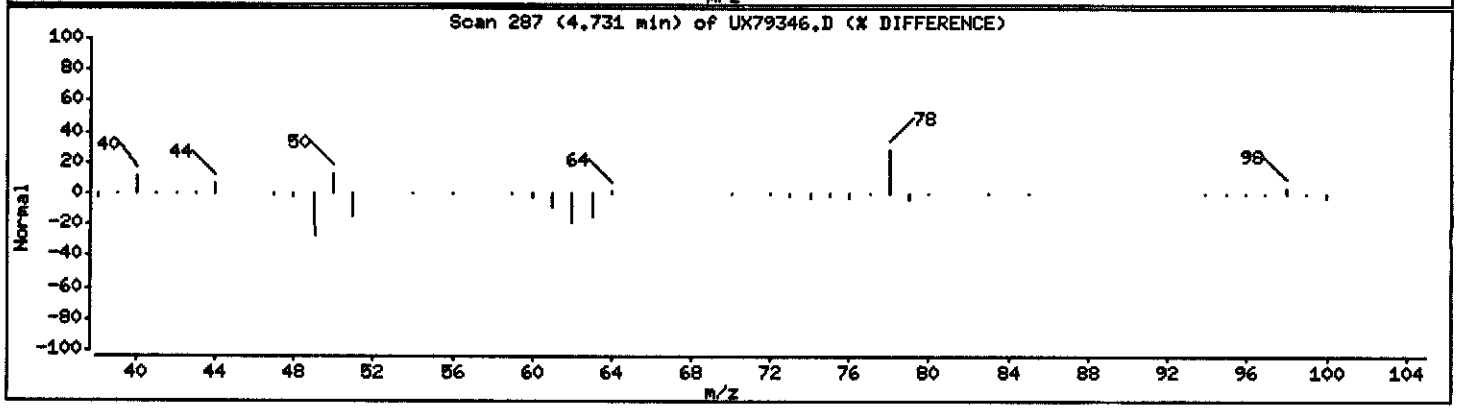
Column phase: DB624 20m Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 0.2752 ug/L









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Date : 28-AUG-2004 01:33

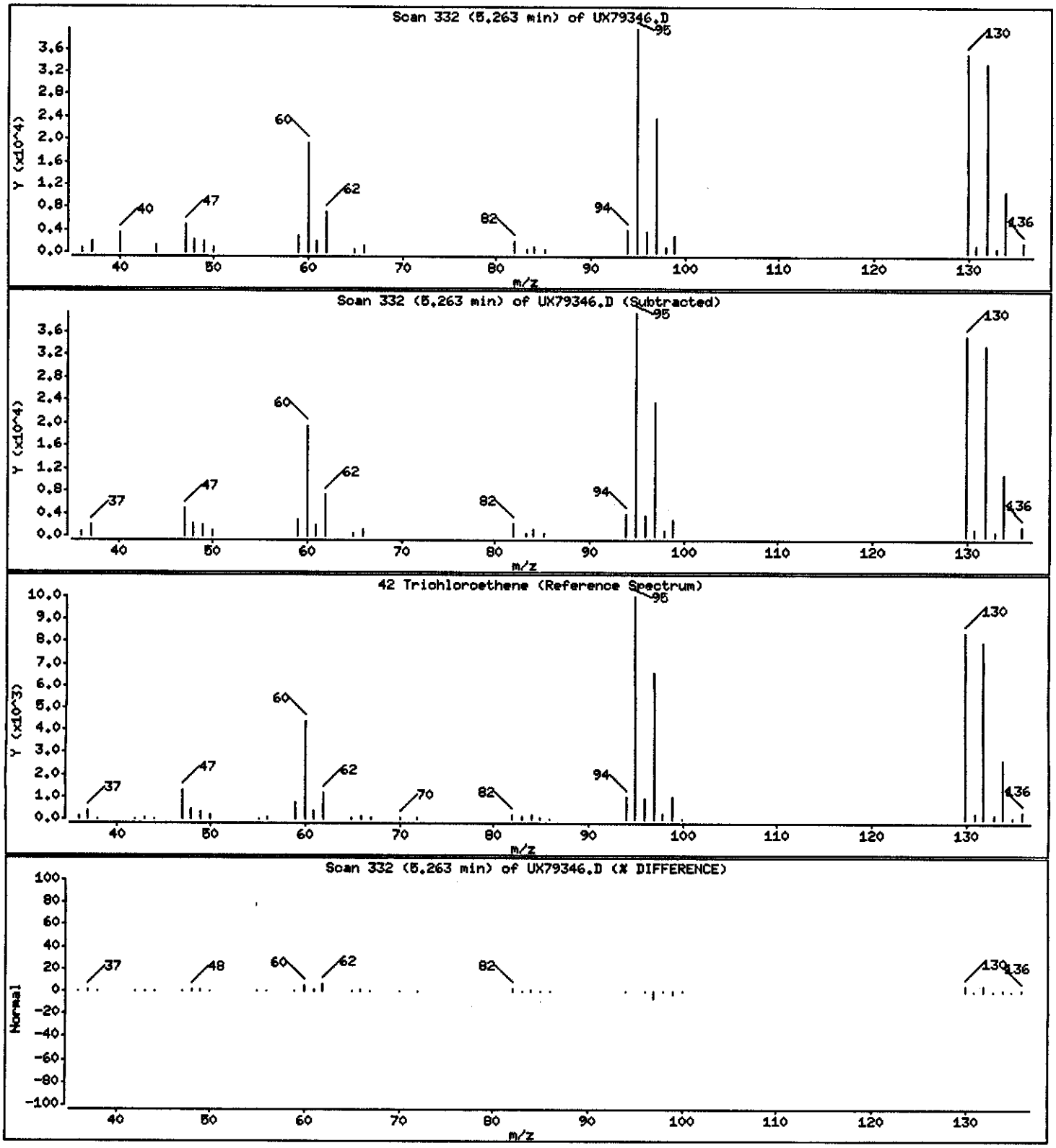
Client ID: MW030/081804 Instrument: a3ux7.i

Sample Info: GNG5L1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

42 Trichloroethene Concentration: 4.002 ug/L



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Date : 28-AUG-2004 01:33

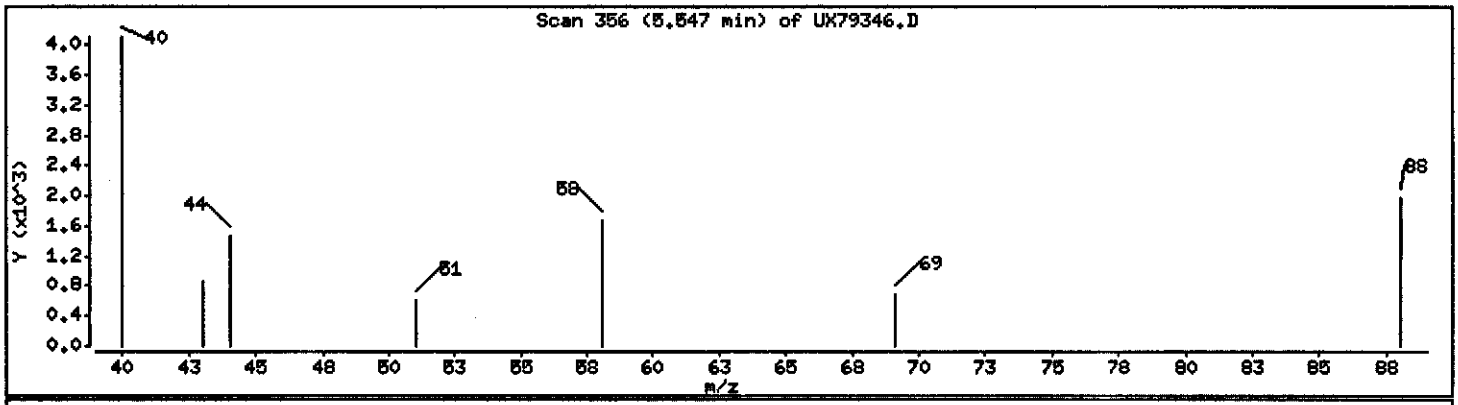
Client ID: MW030/081804 Instrument: a3ux7.i

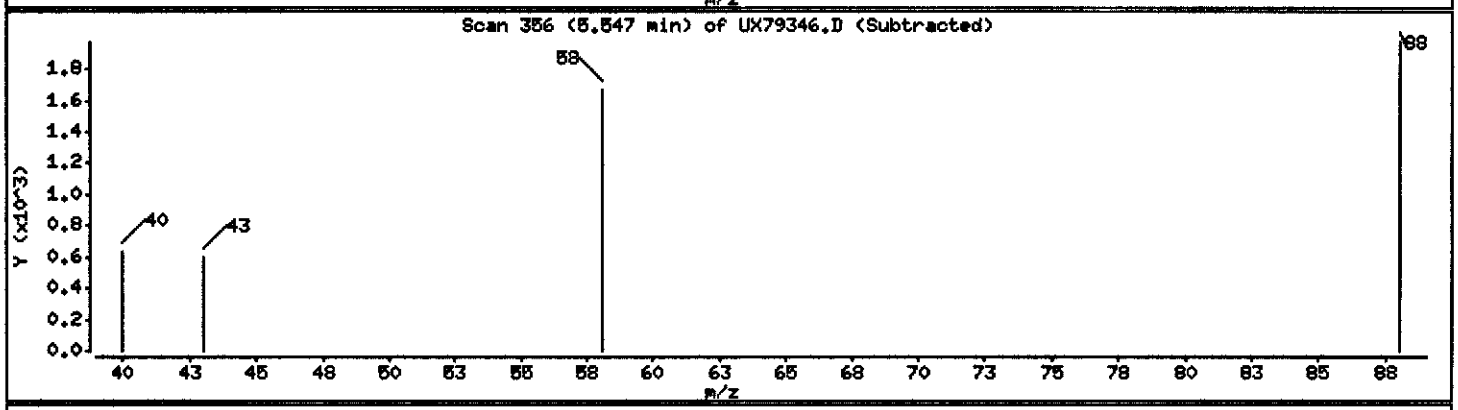
Sample Info: GNC5L1AA,5ML/5ML

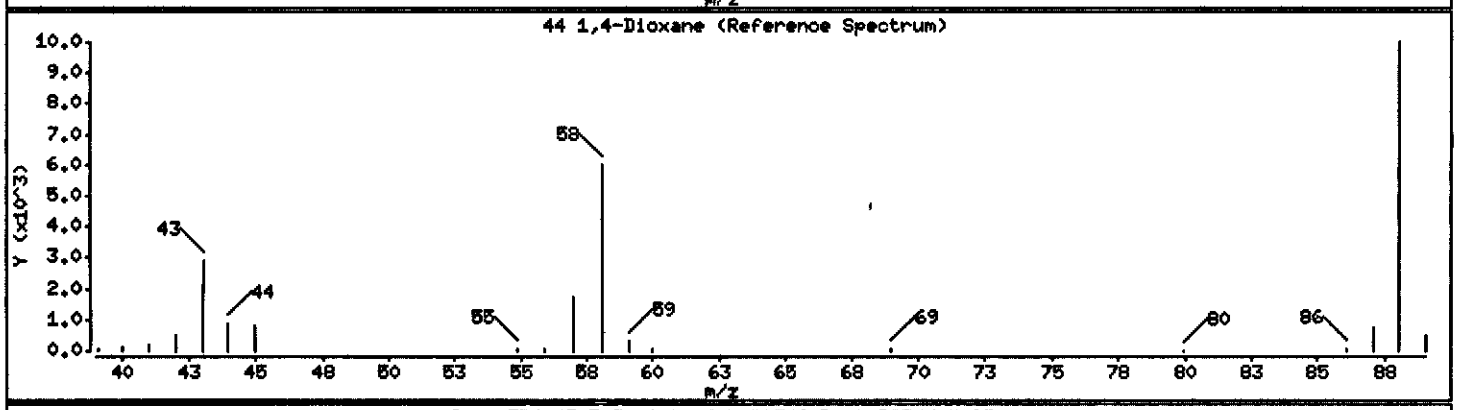
Purge Volume: 5.0 Operator: 1754

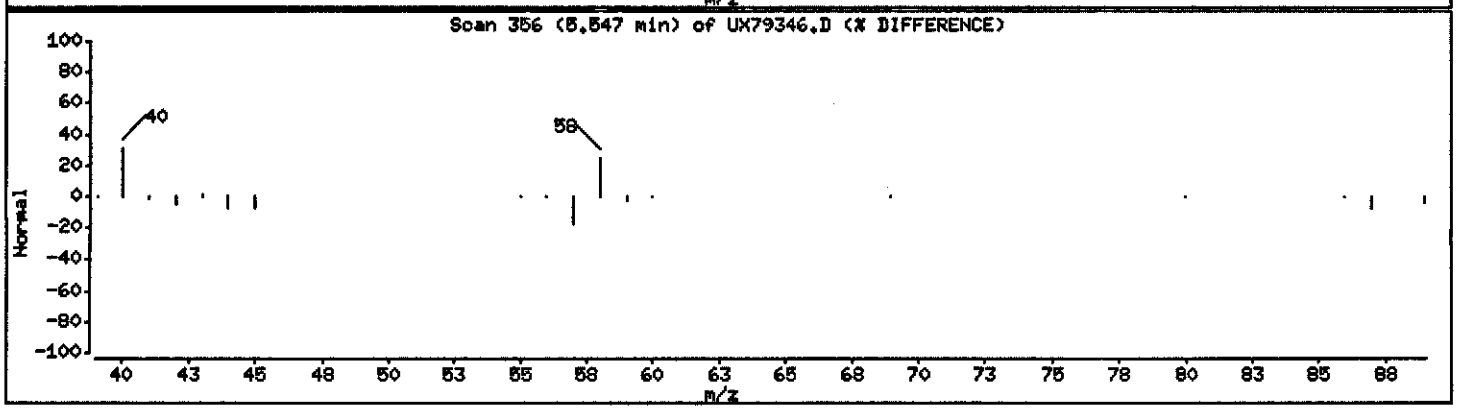
Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 50.043 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79346.D

Date : 28-AUG-2004 01:33

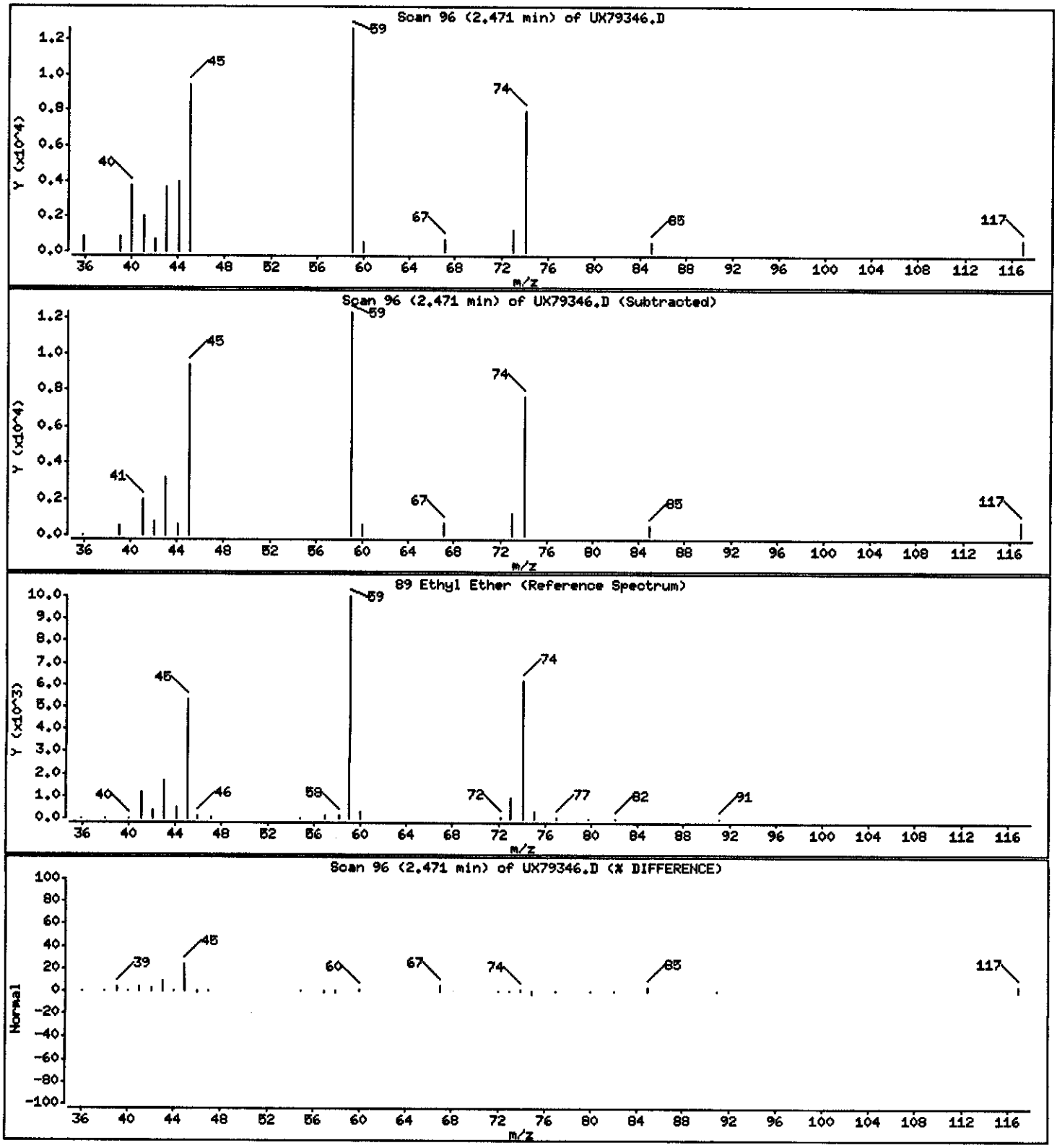
Client ID: MW030/081804 Instrument: a3ux7.i

Sample Info: GNG5L1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

89 Ethyl Ether Concentration: 1.872 ug/L



PAYNE FIRM INC.

Client Sample ID: P001/081804

GC/MS Volatiles

Lot-Sample #...: A4H190207-005 **Work Order #...:** GNG5N1AA **Matrix.....:** WG
Date Sampled...: 08/18/04 11:08 **Date Received..:** 08/19/04
Prep Date.....: 08/28/04 **Analysis Date..:** 08/28/04
Prep Batch #...: 4243253
Dilution Factor: 6.67 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	67	ug/L
Acetonitrile	ND	130	ug/L
Acrolein	ND	130	ug/L
Acrylonitrile	ND	130	ug/L
Benzene	ND	6.7	ug/L
Bromodichloromethane	ND	6.7	ug/L
Bromoform	ND	6.7	ug/L
Bromomethane	ND	6.7	ug/L
2-Butanone	ND	67	ug/L
Carbon disulfide	ND	6.7	ug/L
Carbon tetrachloride	ND	6.7	ug/L
Chlorobenzene	ND	6.7	ug/L
Chloroprene	ND	13	ug/L
Dibromochloromethane	ND	6.7	ug/L
Chloroethane	ND	6.7	ug/L
Chloroform	**1.2 J**	**6.7**	**ug/L**
Chloromethane	ND	6.7	ug/L
3-Chloropropene	ND	13	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	13	ug/L
1,2-Dibromoethane	ND	6.7	ug/L
Dibromomethane	ND	6.7	ug/L
trans-1,4-Dichloro-2-butene	ND	6.7	ug/L
1,1-Dichloroethane	**13**	**6.7**	**ug/L**
1,2-Dichloroethane	**28**	**6.7**	**ug/L**
cis-1,2-Dichloroethene	**57**	**6.7**	**ug/L**
trans-1,2-Dichloroethene	**12**	**6.7**	**ug/L**
1,1-Dichloroethene	ND	6.7	ug/L
1,2-Dichloroethene (total)	**69**	**13**	**ug/L**
Dichlorofluoromethane	ND	13	ug/L
1,2-Dichloropropane	ND	6.7	ug/L
cis-1,3-Dichloropropene	ND	6.7	ug/L
trans-1,3-Dichloropropene	ND	6.7	ug/L
1,4-Dioxane	ND	330	ug/L
Ethylbenzene	ND	6.7	ug/L
Ethyl methacrylate	ND	6.7	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: P001/081804

GC/MS Volatiles

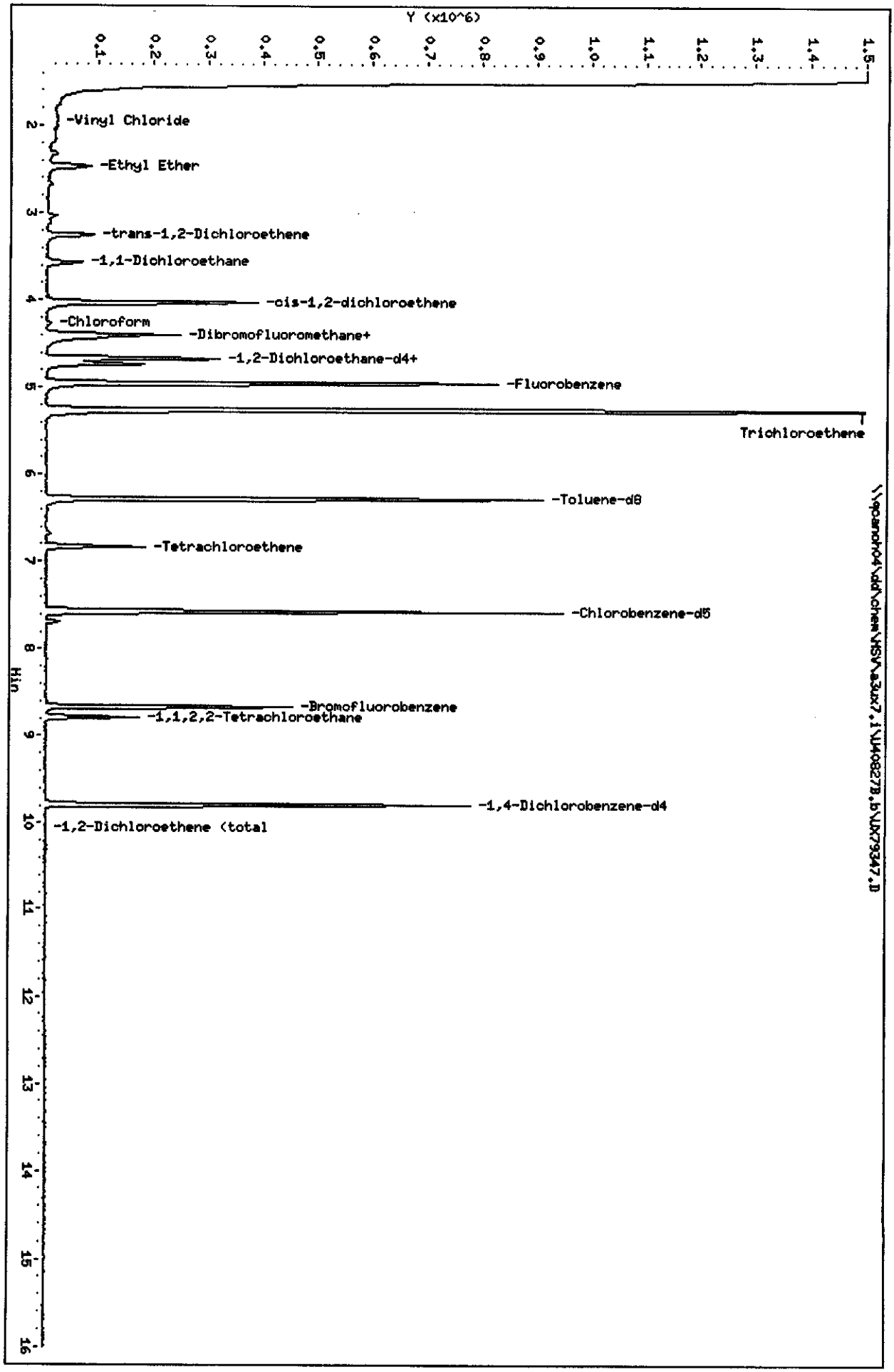
Lot-Sample #...: A4H190207-005 **Work Order #...:** GNG5N1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	67	ug/L
Iodomethane	ND	6.7	ug/L
Isobutanol	ND	330	ug/L
Methacrylonitrile	ND	13	ug/L
Methylene chloride	ND	6.7	ug/L
Methyl methacrylate	ND	13	ug/L
4-Methyl-2-pentanone	ND	67	ug/L
Propionitrile	ND	27	ug/L
Styrene	ND	6.7	ug/L
1,1,1,2-Tetrachloroethane	ND	6.7	ug/L
1,1,2,2-Tetrachloroethane	**33**	**6.7**	**ug/L**
Tetrachloroethene	**22**	**6.7**	**ug/L**
Toluene	ND	6.7	ug/L
1,1,1-Trichloroethane	**12**	**6.7**	**ug/L**
1,1,2-Trichloroethane	ND	6.7	ug/L
Trichloroethene	**200**	**6.7**	**ug/L**
Trichlorofluoromethane	ND	6.7	ug/L
1,2,3-Trichloropropane	ND	6.7	ug/L
Vinyl acetate	ND	13	ug/L
Vinyl chloride	**4.3 J**	**6.7**	**ug/L**
Xylenes (total)	ND	13	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U406827B.b\UX79347.D
Date : 28-AUG-2004 01:56
Client ID: P001/081804
Sample Info: CN05H1AA,0.75ML/5ML
Purge Volume: 0.8
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Vinyl Chloride
-Ethyl Ether
-trans-1,2-Dichloroethene
-1,1-Dichloroethane
-cis-1,2-dichloroethene
-Chloroform
-Dibromofluoromethane+
-1,2-Dichloroethane-d4+
-Fluorobenzene
Trichloroethene
-Toluene-d8
-Tetrachloroethene
-Chlorobenzene-d5
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichloroethene (total
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
\\qcanoh04\dd\chem\HSV\a3ux7.i\U406827B.b\UX79347.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79347.D
Report Date: 30-Aug-2004 12:18

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79347.D
Lab Smp Id: GNG5N1AA Client Smp ID: P001/081804
Inj Date : 28-AUG-2004 01:56
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNG5N1AA,0.75ML/5ML
Misc Info : U40827B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 30-Aug-2004 12:06 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.750	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	841548	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	547039	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	193514	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	177566	47.4015	63.202
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	271761	48.4595	64.613
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	677341	48.0380	64.051
$ 7 Bromofluorobenzene	95	8.667	8.668	(1.145)	177752	39.5358	52.714
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.733	1.757	(0.350)	10176	3.21531	4.287
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79347.D
Report Date: 30-Aug-2004 12:18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	43417	9.08803	12.117
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.568	3.568	(0.720)	82713	9.54626	12.728
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				243765	51.7184	68.958
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	200348	42.6304	56.840
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.278	4.266	(0.864)	7444	0.89240	1.190
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	59547	8.91038	11.880
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	149392	20.7441	27.659
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	5.260	5.260	(1.062)	612575	150.494	200.66
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.833	6.834	(0.903)	41547	16.4423	21.923
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79347.D
Report Date: 30-Aug-2004 12:18

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	8.786	8.798	(0.897)	100773	24.5446	32.726
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.467	2.467	(0.498)	67734	16.7608	22.348
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	4.502	(0.912)	7170	4.59104	6.121(a)
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qoanoh04\dd\chem\HSV\a3ux7.i\U40827B.b\UX79347.D

Date : 28-AUG-2004 01:56

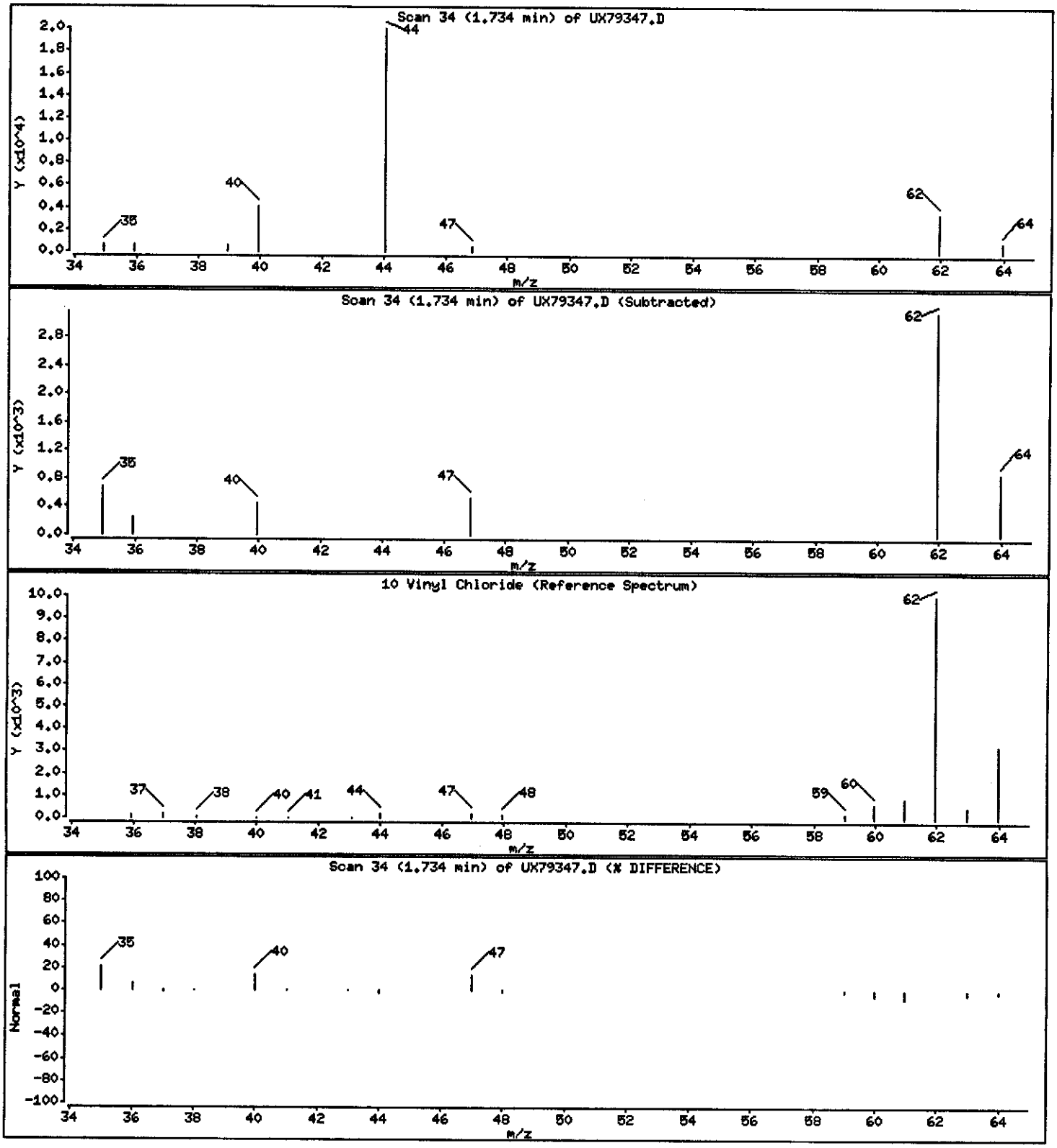
Client ID: P001/081804 Instrument: a3ux7.i

Sample Info: CNG5N1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

10 Vinyl Chloride Concentration: 4.287 ug/L



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Date : 28-AUG-2004 01:56

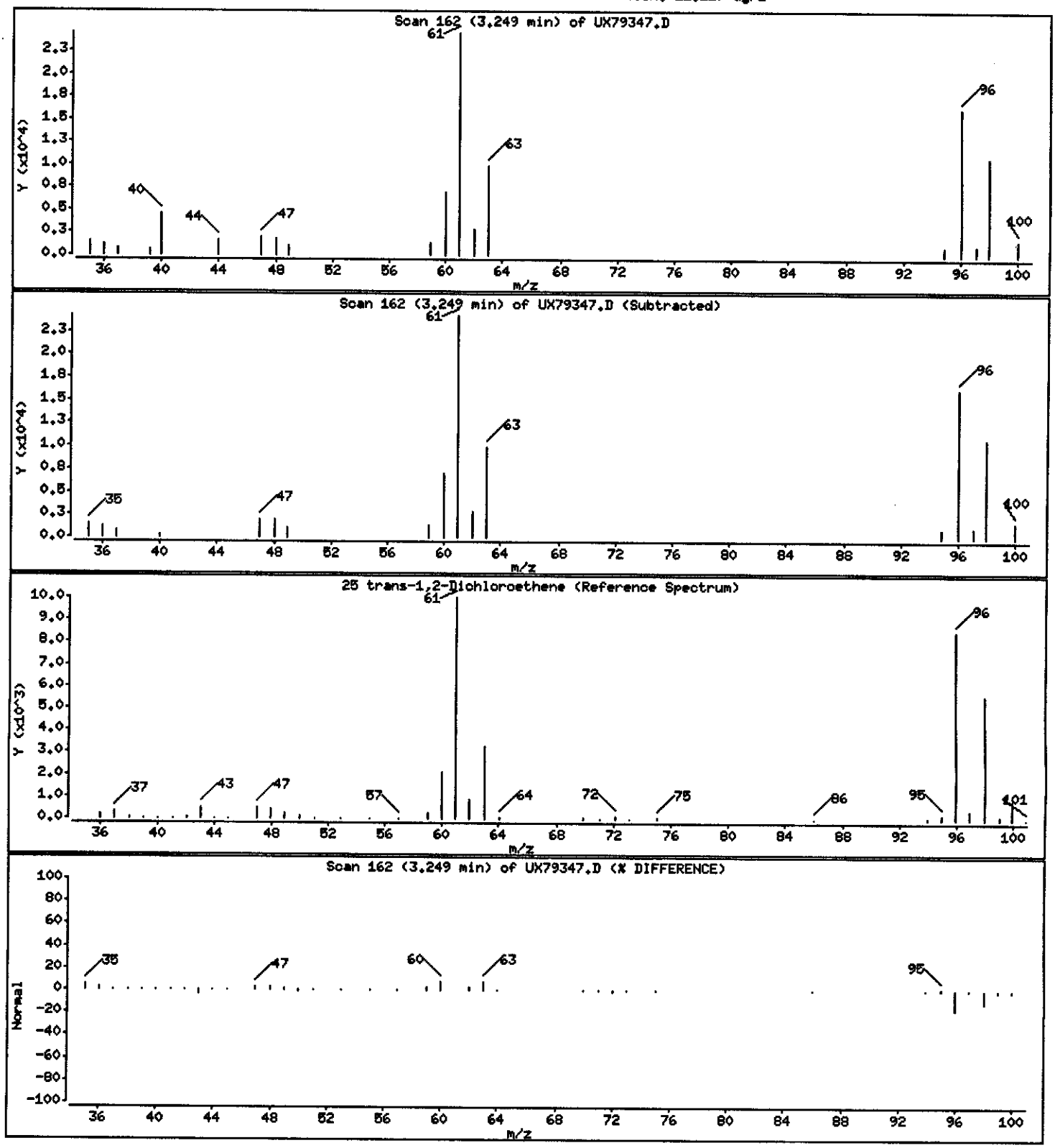
Client ID: P001/081804 Instrument: a3ux7.i

Sample Info: GNG5N1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

25 trans-1,2-Dichloroethene Concentration: 12.117 ug/L



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Date : 28-AUG-2004 01:56

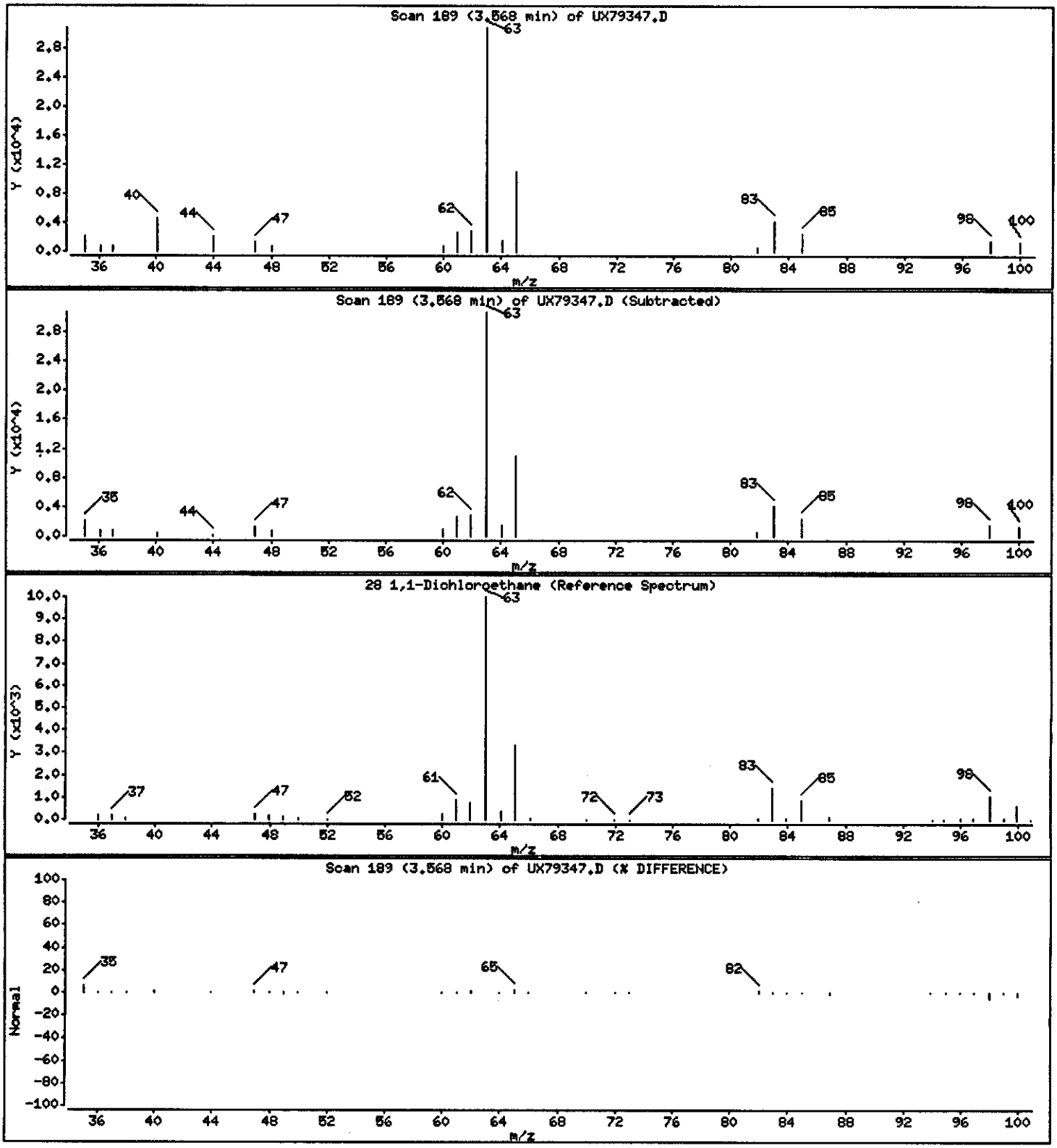
Client ID: P001/081804 Instrument: a3ux7.i

Sample Info: GNG5N1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 12.728 ug/L



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Date : 28-AUG-2004 01:56

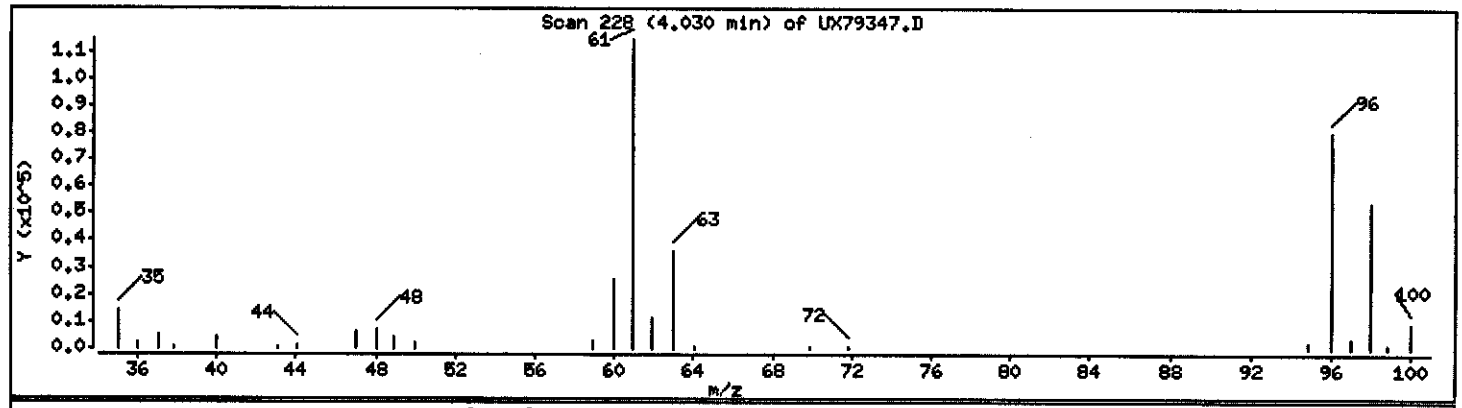
Client ID: P001/081804 Instrument: a3ux7.i

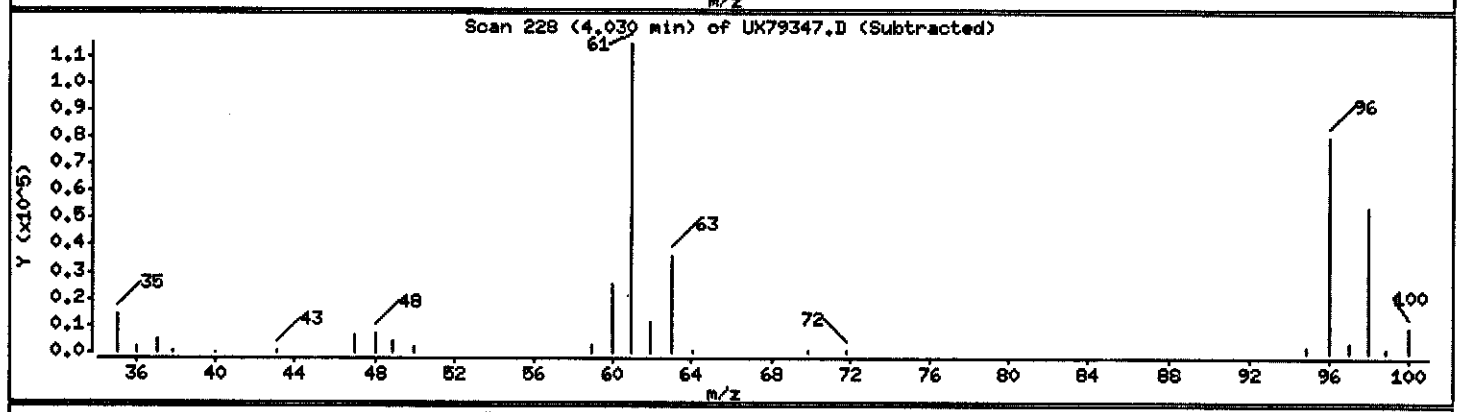
Sample Info: GNG5N1AA,0.75ML/5ML

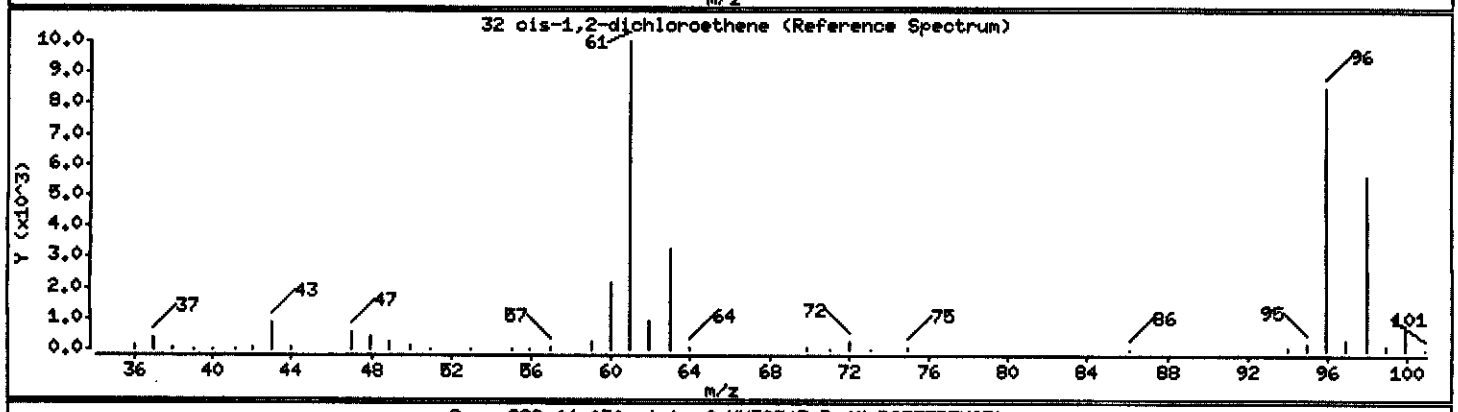
Purge Volume: 0.8 Operator: 1754

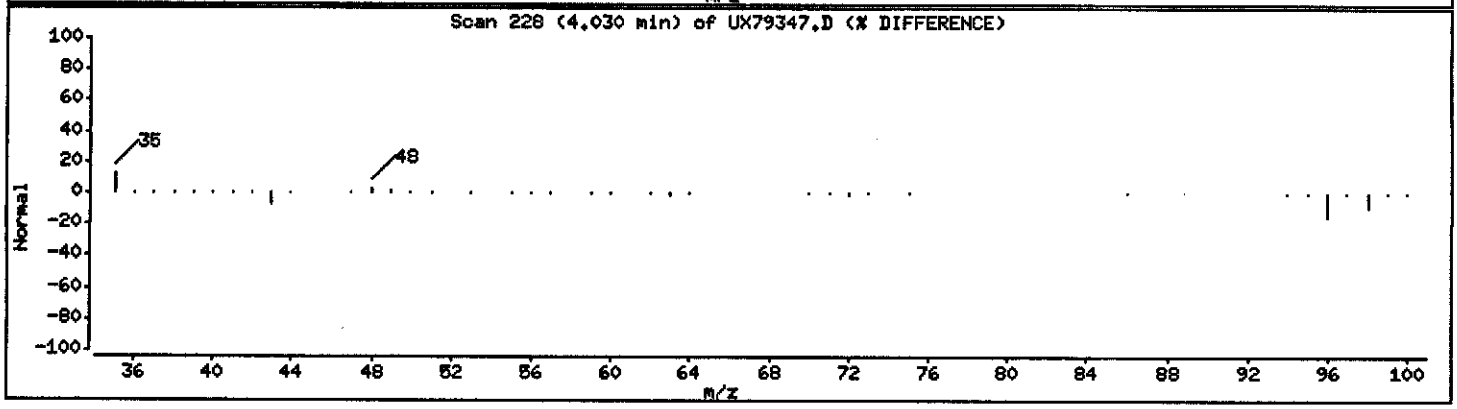
Column phase: DB624 20m Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 56.840 ug/L









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Date : 28-AUG-2004 01:56

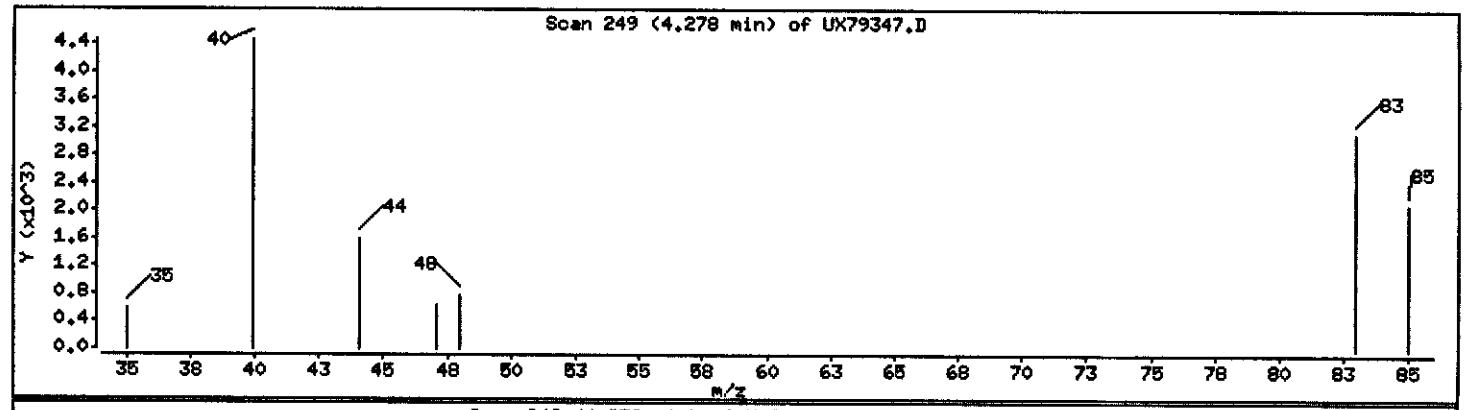
Client ID: P001/081804 Instrument: a3ux7.i

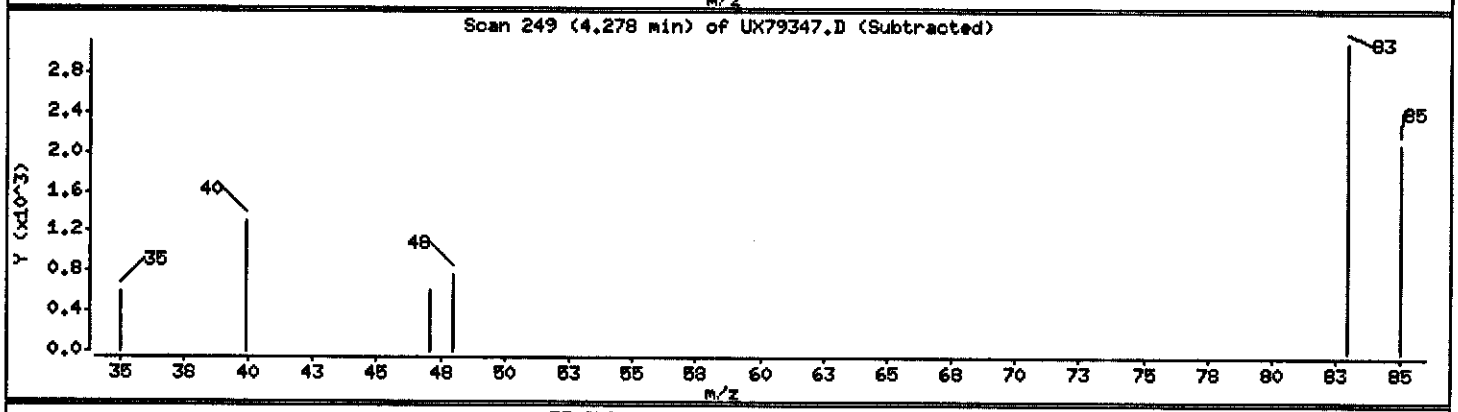
Sample Info: GNG5N1AA,0.75ML/5ML

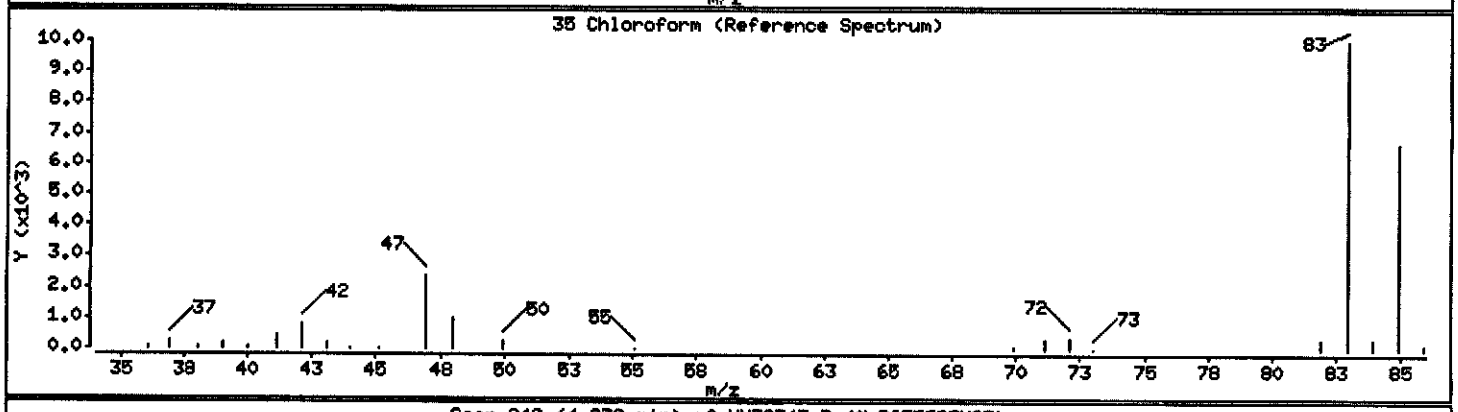
Purge Volume: 0.8 Operator: 1754

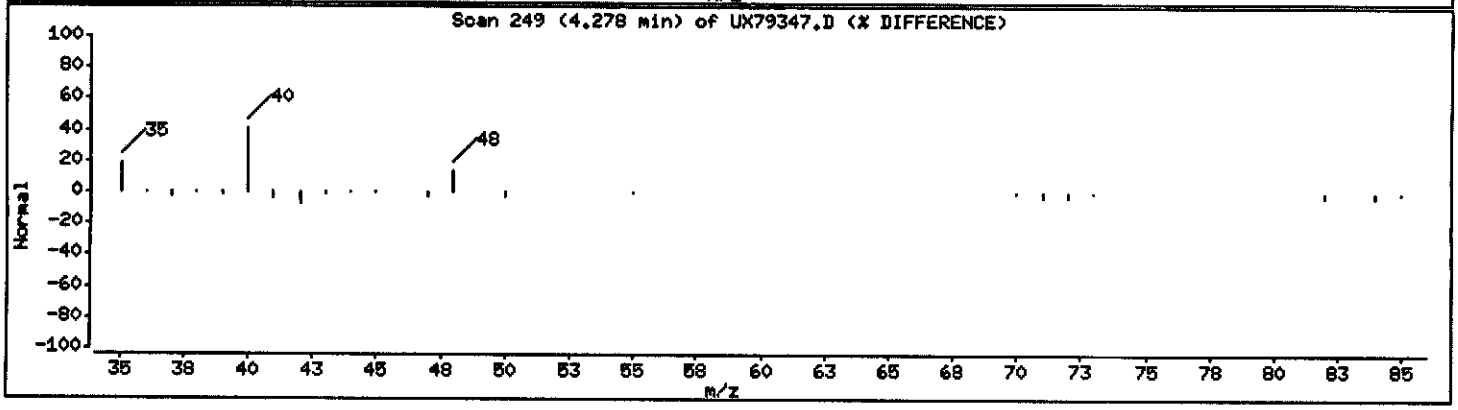
Column phase: DB624 20m Column diameter: 0.18

35 Chloroform Concentration: 1.190 ug/L









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Date : 28-AUG-2004 01:56

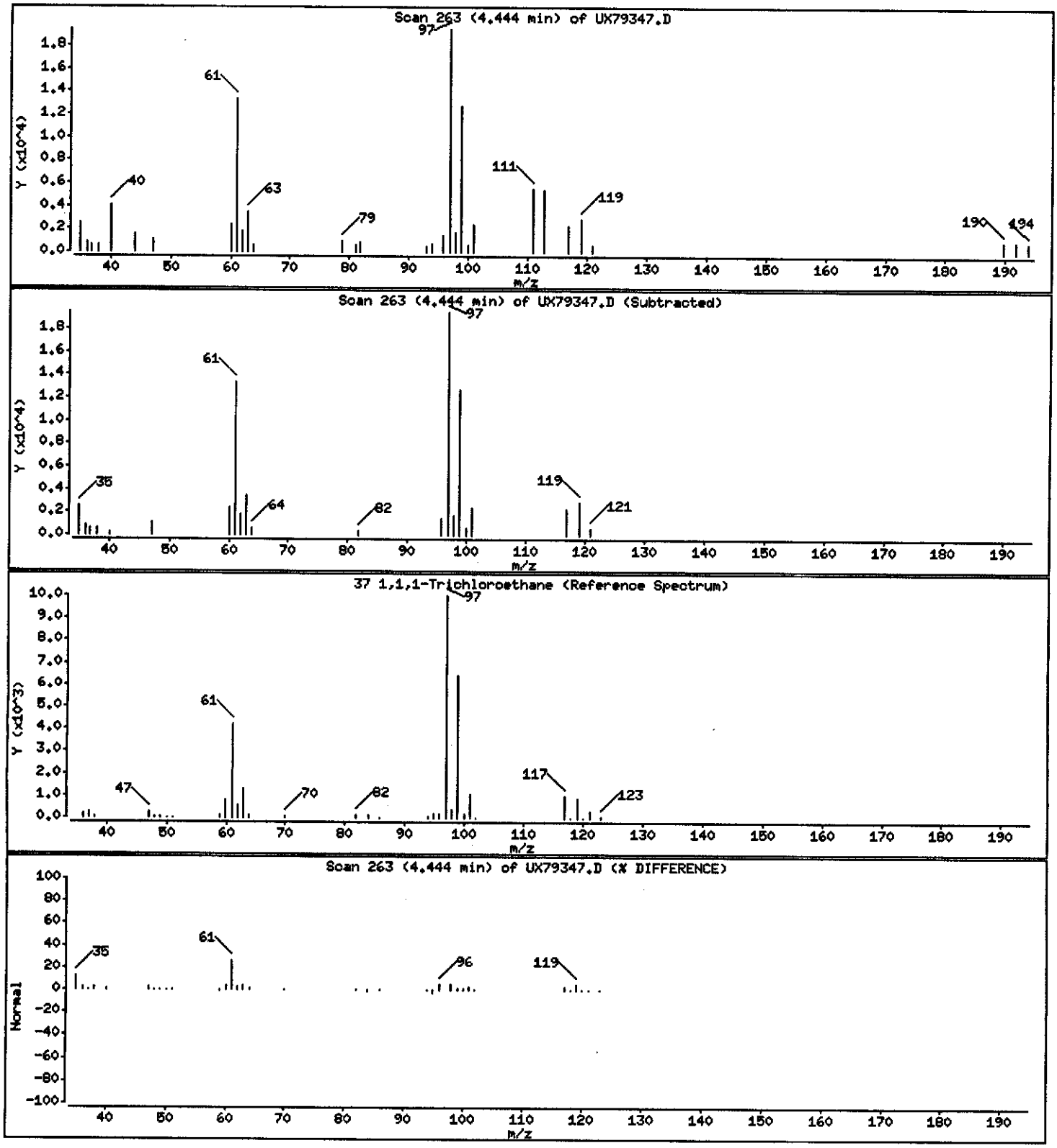
Client ID: P001/081804 Instrument: a3ux7.i

Sample Info: GNC5N1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

37 1,1,1-Trichloroethane Concentration: 11.880 ug/L



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Date : 28-AUG-2004 01:56

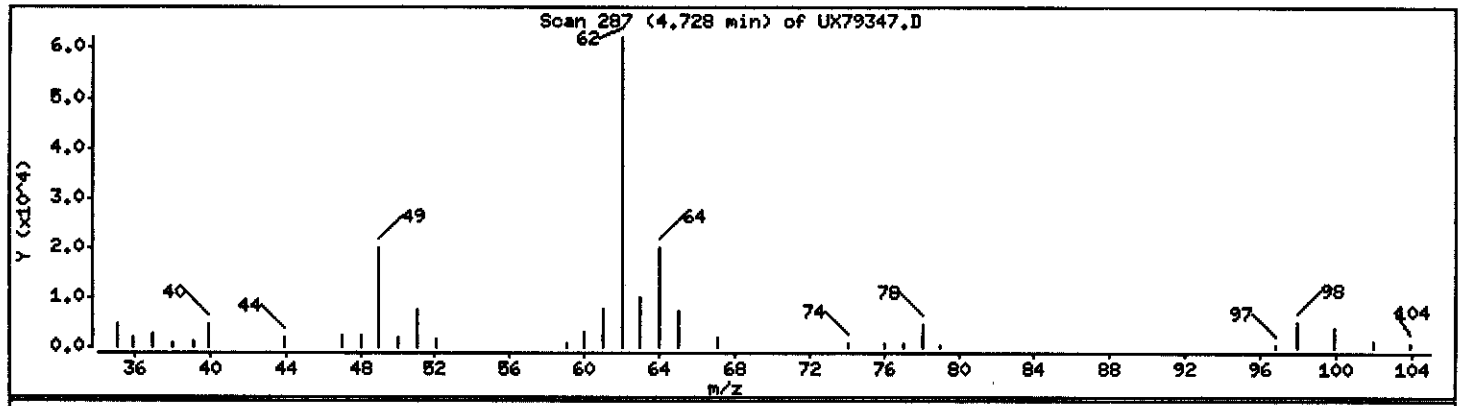
Client ID: P001/081804 Instrument: a3ux7.i

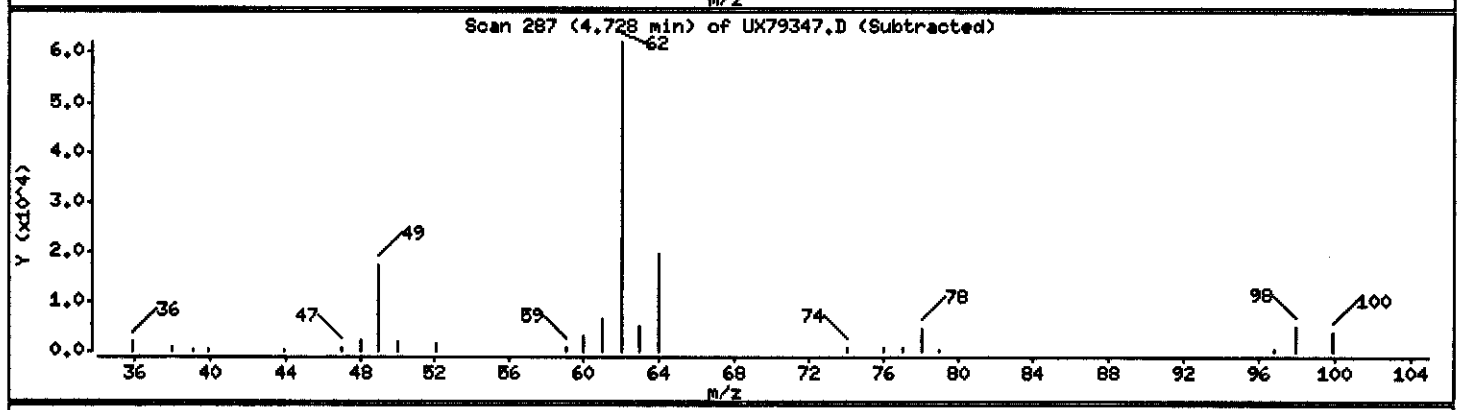
Sample Info: GNG5N1AA,0.75ML/5ML

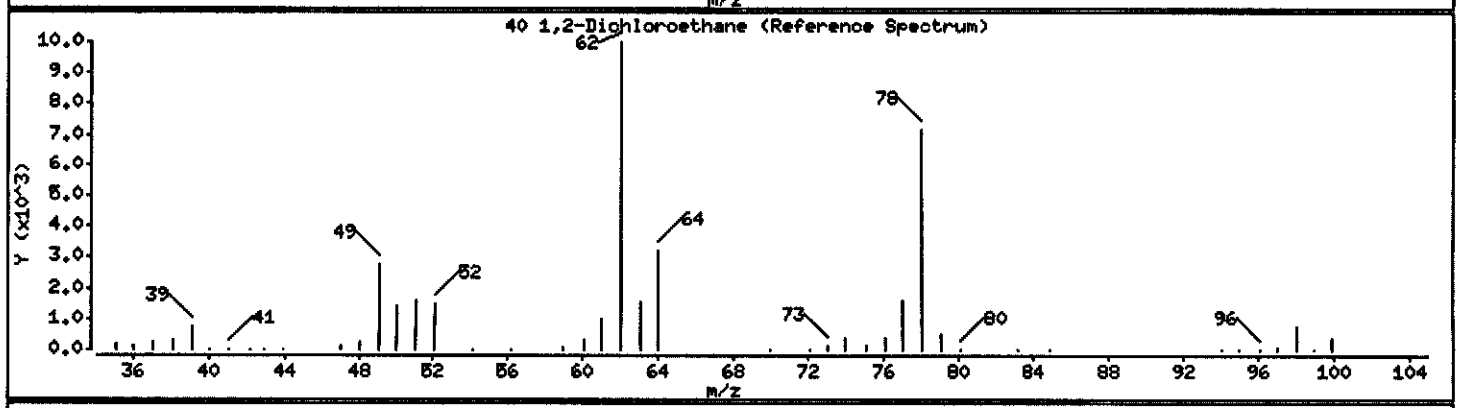
Purge Volume: 0.8 Operator: 1754

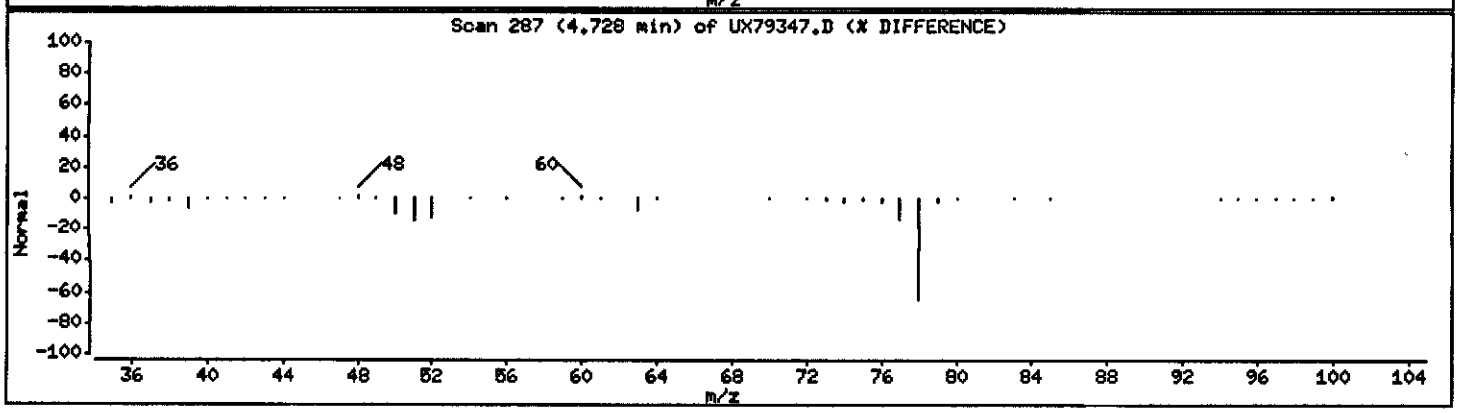
Column phase: DB624 20m Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 27.659 ug/L









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Date : 28-AUG-2004 01:56

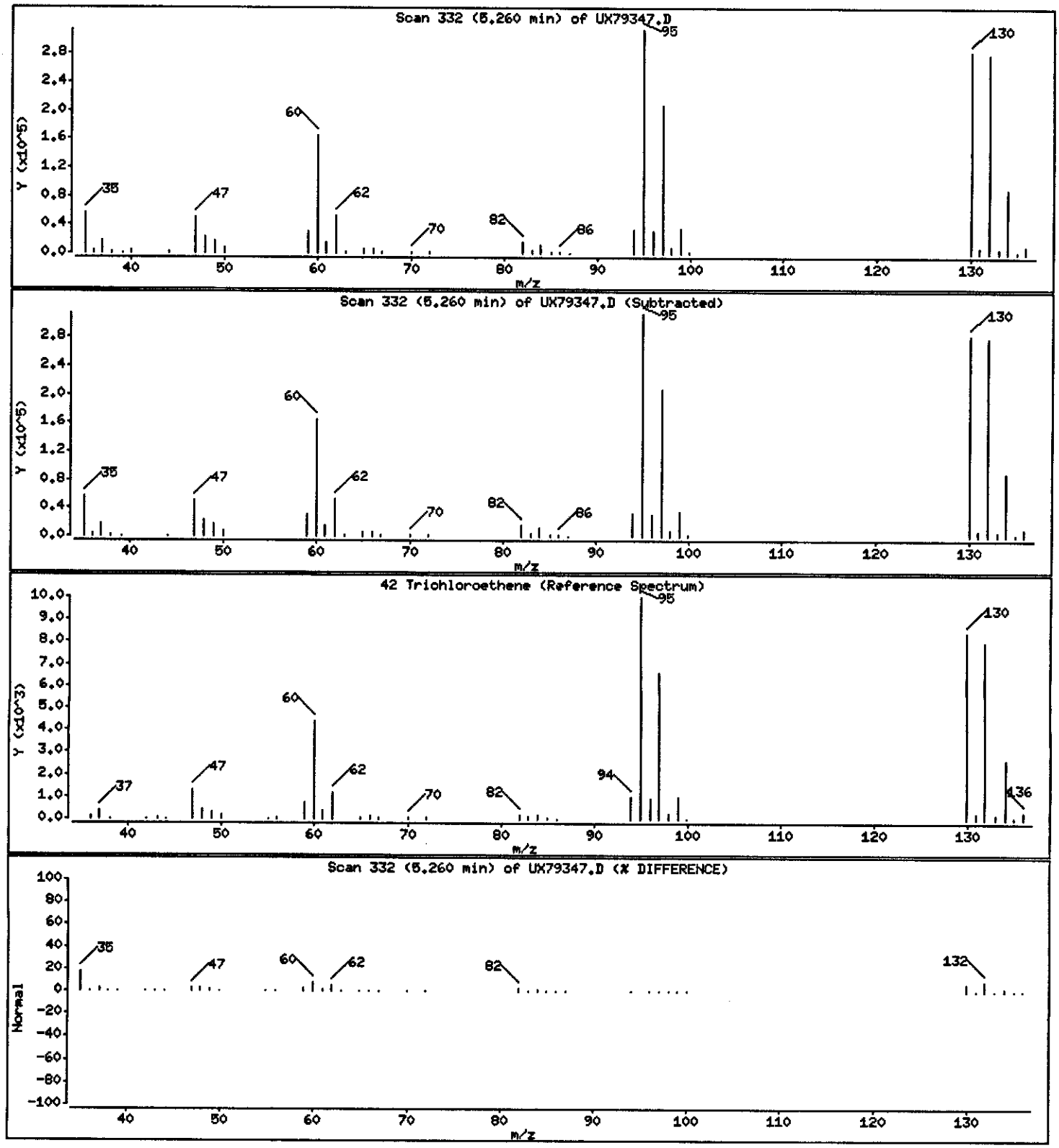
Client ID: P001/081804 Instrument: a3ux7.i

Sample Info: GNG5N1AA,0.75ML/5ML

Purge Volume: 0.8 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

42 Trichloroethene Concentration: 200.66 ug/L



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Date : 28-AUG-2004 01:56

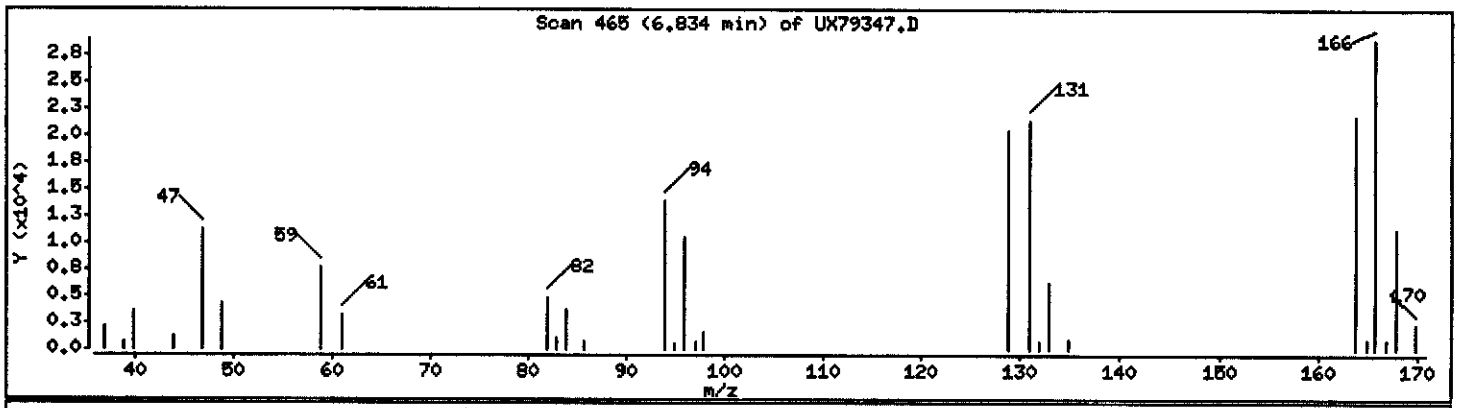
Client ID: P001/081804 Instrument: a3ux7.i

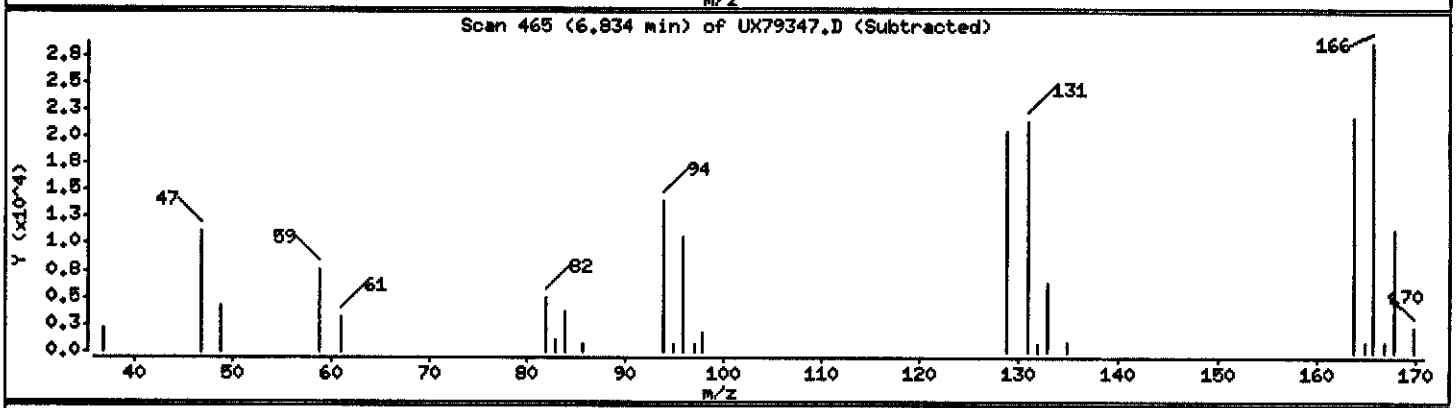
Sample Info: GNC5N1AA,0.75ML/5ML

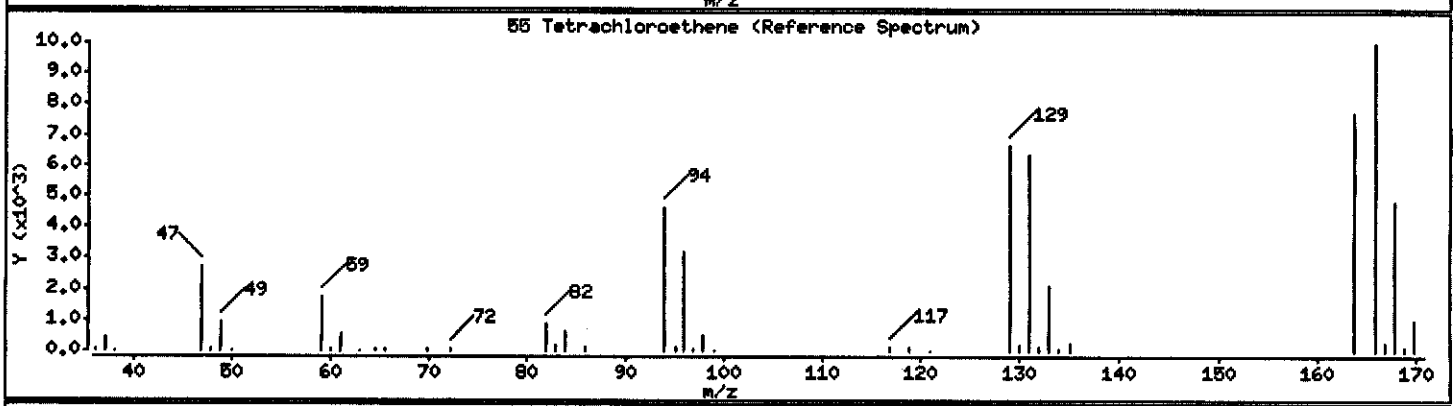
Purge Volume: 0.8 Operator: 1754

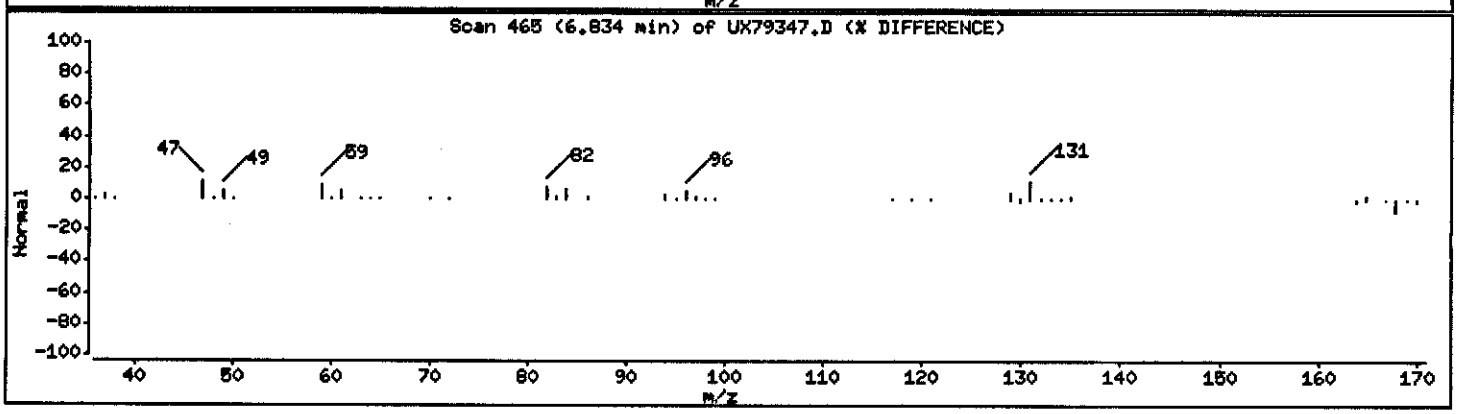
Column phase: DB624 20m Column diameter: 0.18

55 Tetrachloroethene Concentration: 21.923 ug/L









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Date : 28-AUG-2004 01:56

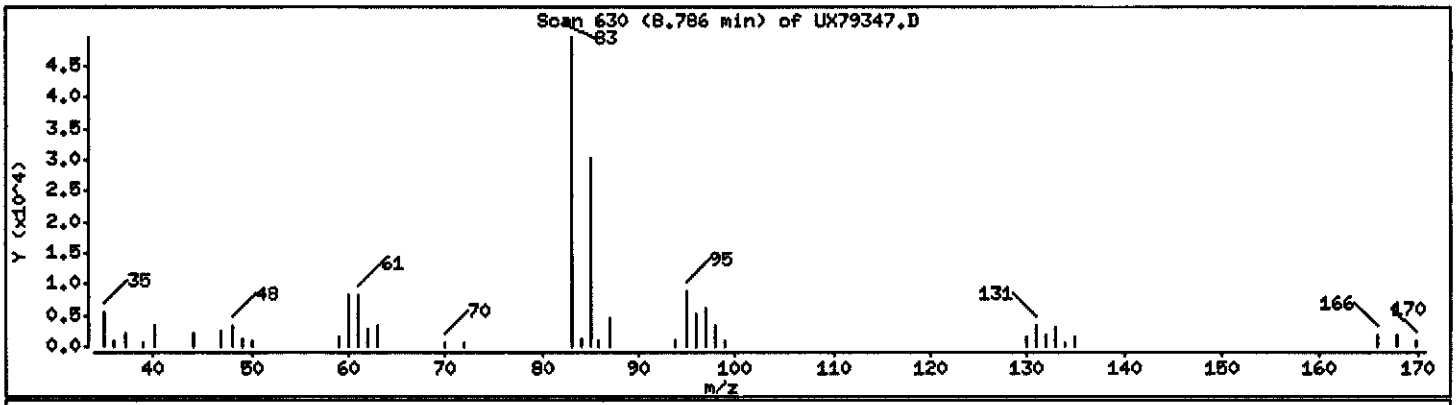
Client ID: P001/081804 Instrument: a3ux7.i

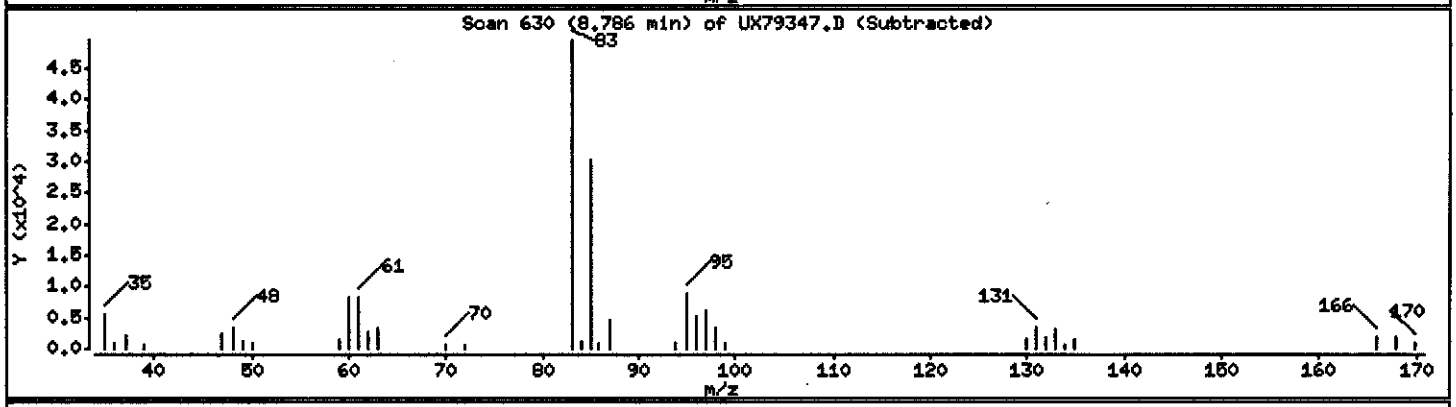
Sample Info: GNG5N1AA,0.75ML/5ML

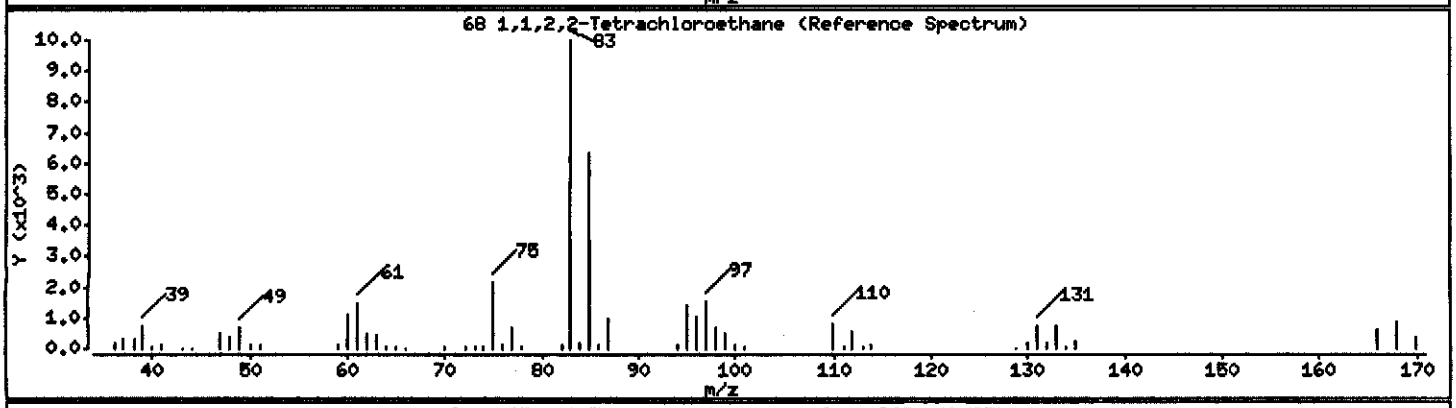
Purge Volume: 0.8 Operator: 1754

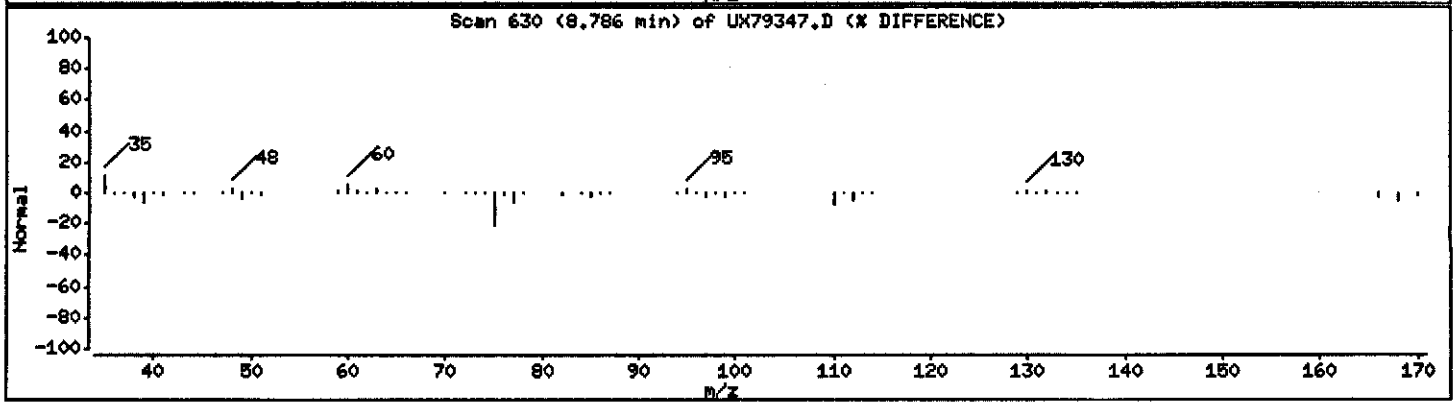
Column phase: DB624 20m Column diameter: 0.18

68 1,1,2,2-Tetrachloroethane Concentration: 32.726 ug/L









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Date : 28-AUG-2004 01:56

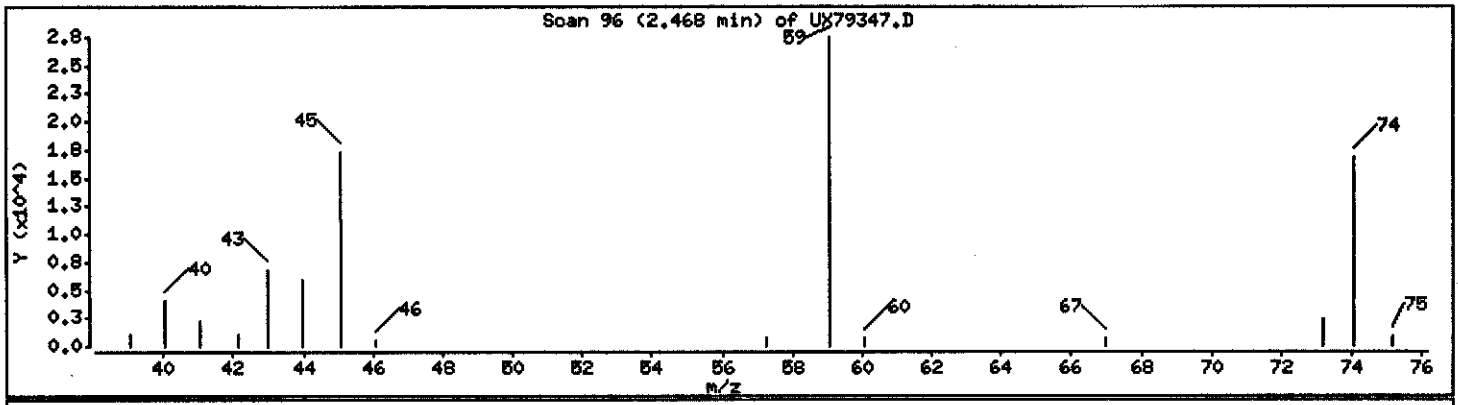
Client ID: P001/081804 Instrument: a3ux7.i

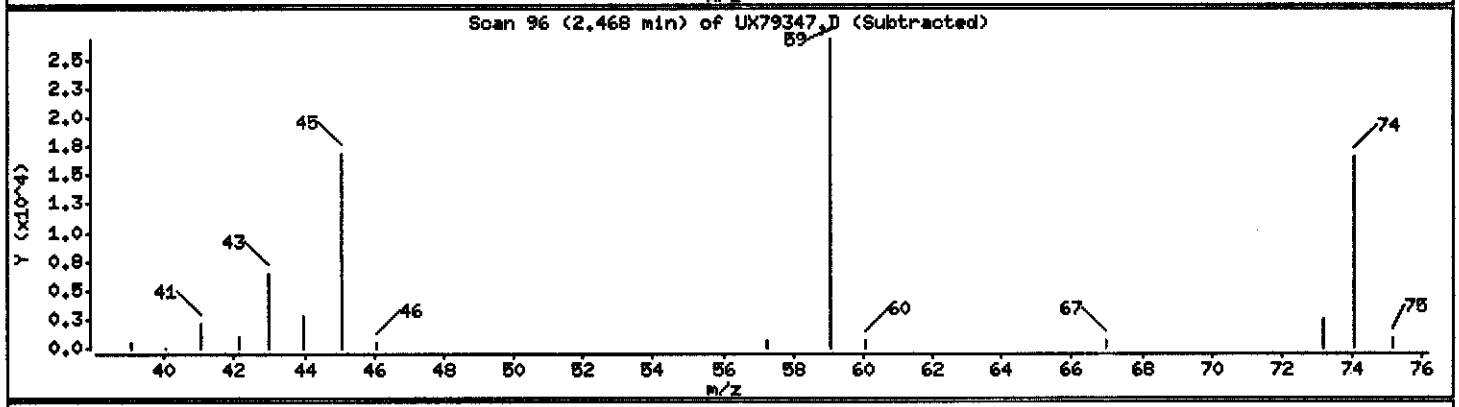
Sample Info: GNC5N1AA,0.75ML/5ML

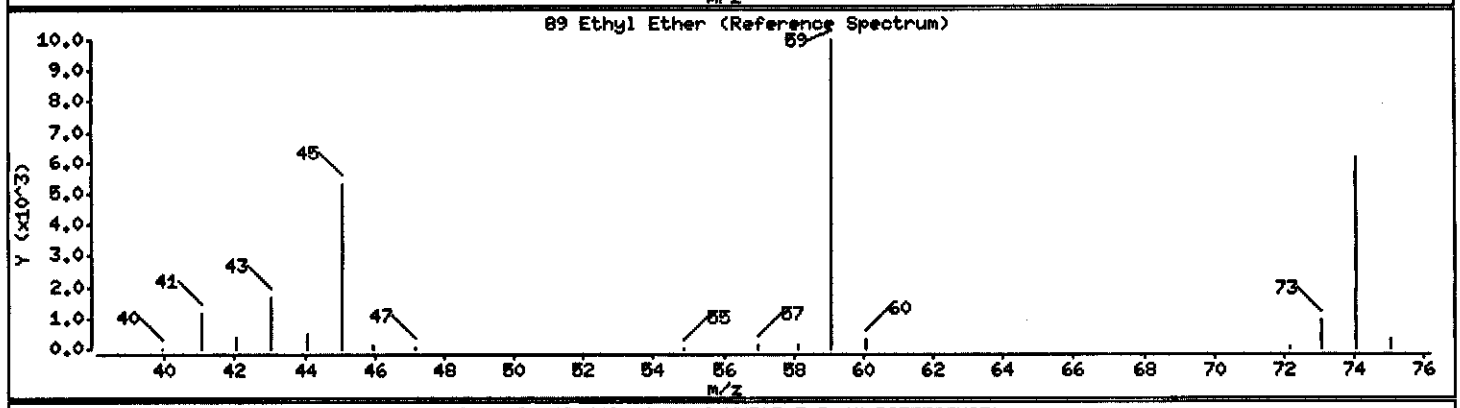
Purge Volume: 0.8 Operator: 1754

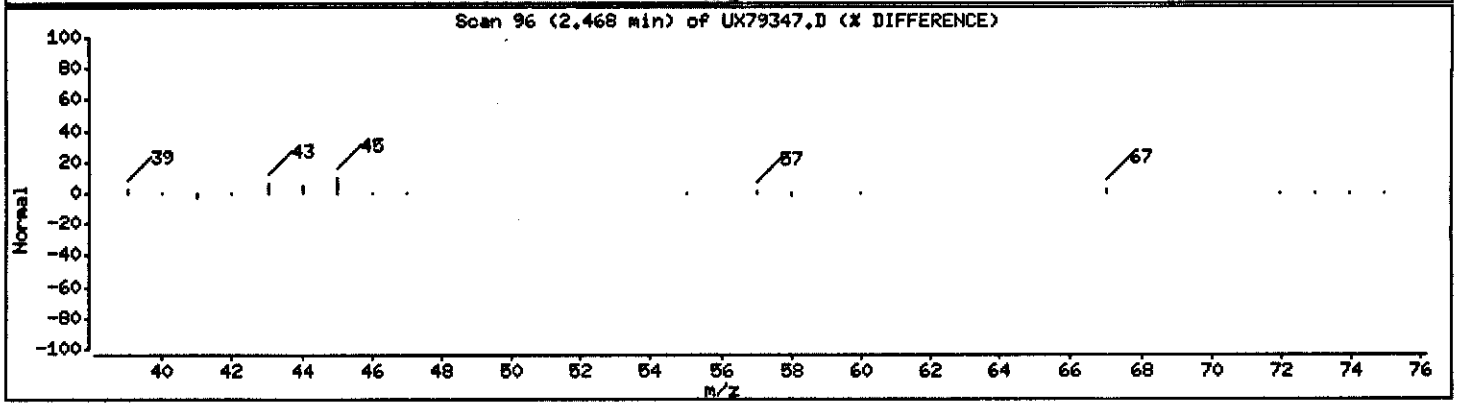
Column phase: DB624 20m Column diameter: 0.18

89 Ethyl Ether Concentration: 22.348 ug/L









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Date : 28-AUG-2004 01:56

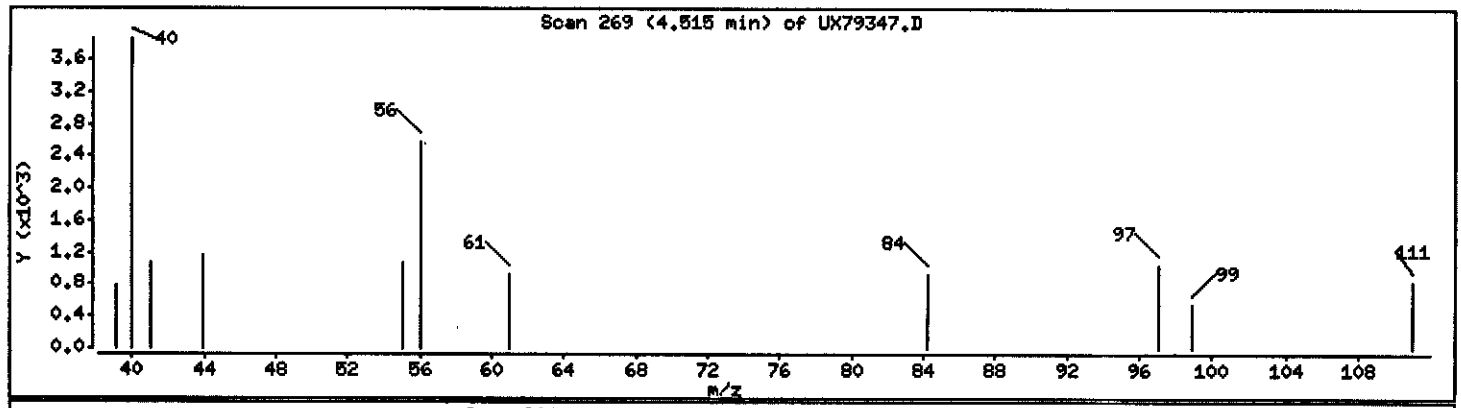
Client ID: P001/081804 Instrument: a3ux7.i

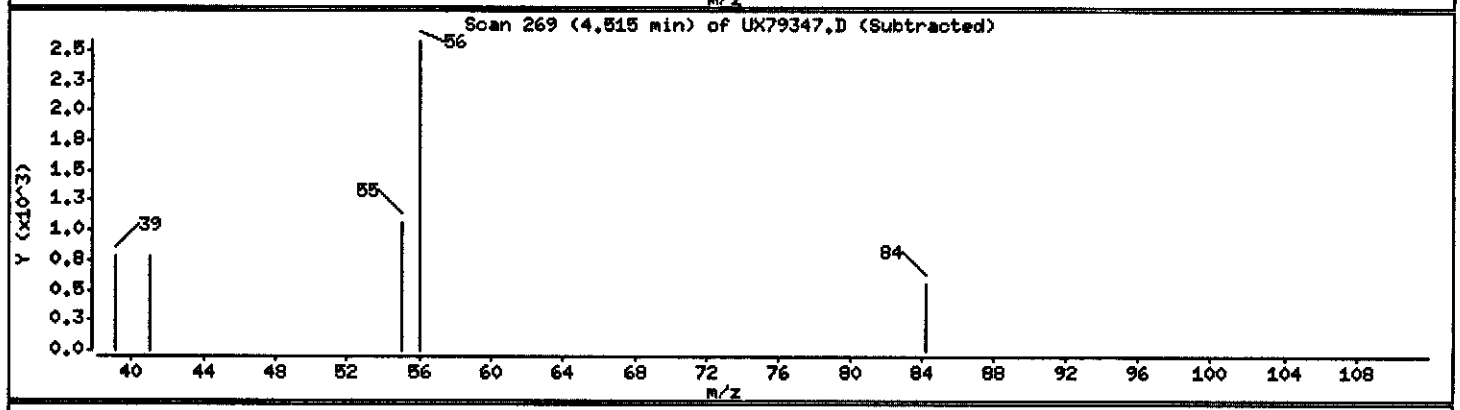
Sample Info: GNG5N1AA,0.75ML/5ML

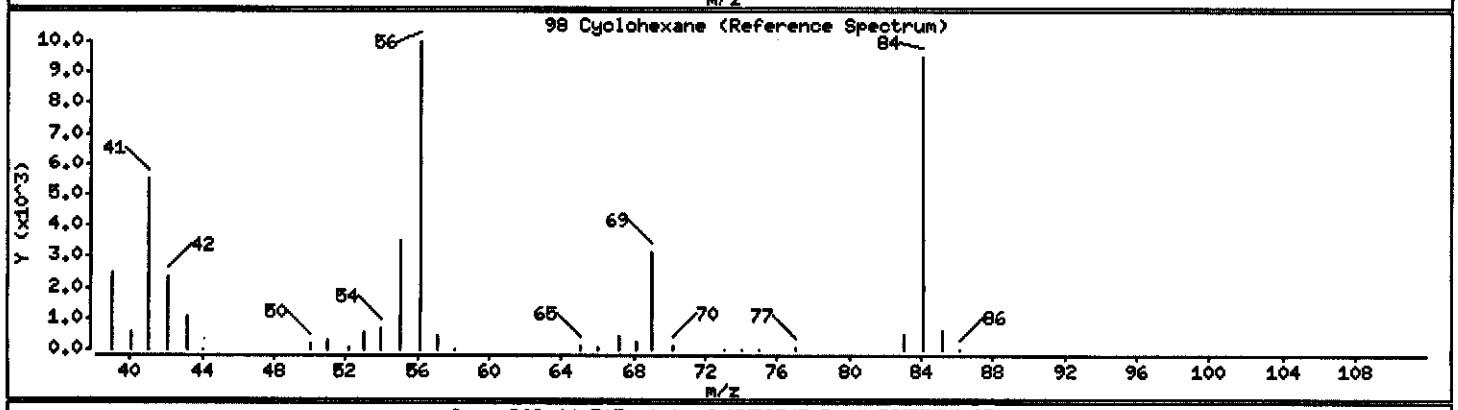
Purge Volume: 0.8 Operator: 1754

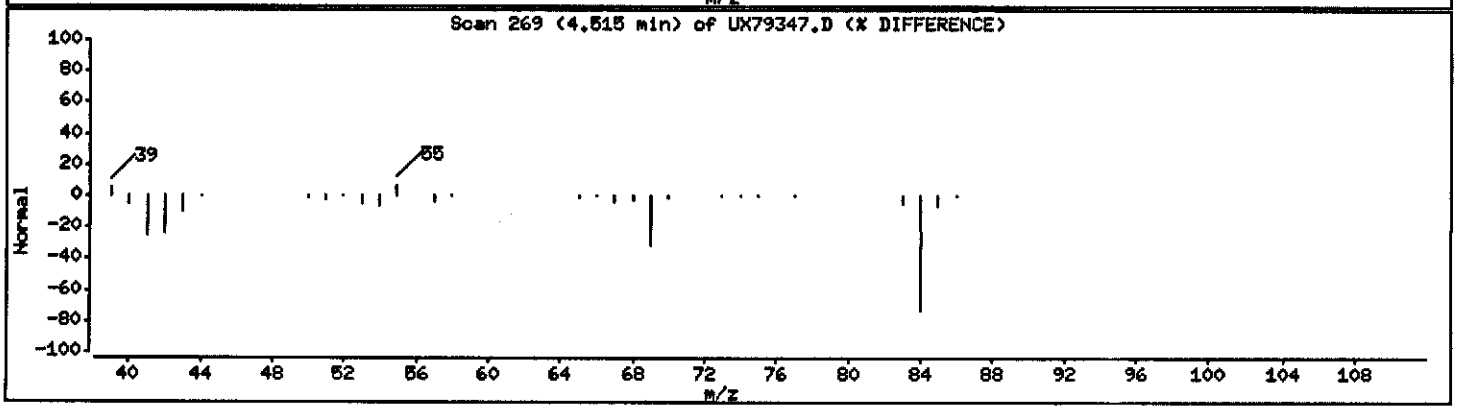
Column phase: DB624 20m Column diameter: 0.18

98 Cyclohexane Concentration: 6.121 ug/L









PAYNE FIRM INC.

Client Sample ID: MW031A/081804

GC/MS Volatiles

Lot-Sample #...: A4H190207-006 **Work Order #...:** GNG5P1AA **Matrix.....:** WG
Date Sampled...: 08/18/04 09:45 **Date Received..:** 08/19/04
Prep Date.....: 08/28/04 **Analysis Date..:** 08/28/04
Prep Batch #...: 4243253
Dilution Factor: 25 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	250	ug/L
Acetonitrile	ND	500	ug/L
Acrolein	ND	500	ug/L
Acrylonitrile	ND	500	ug/L
Benzene	**35**	**25**	**ug/L**
Bromodichloromethane	ND	25	ug/L
Bromoform	ND	25	ug/L
Bromomethane	ND	25	ug/L
2-Butanone	ND	250	ug/L
Carbon disulfide	ND	25	ug/L
Carbon tetrachloride	ND	25	ug/L
Chlorobenzene	ND	25	ug/L
Chloroprene	ND	50	ug/L
Dibromochloromethane	ND	25	ug/L
Chloroethane	ND	25	ug/L
Chloroform	ND	25	ug/L
Chloromethane	ND	25	ug/L
3-Chloropropene	ND	50	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	ug/L
1,2-Dibromoethane	ND	25	ug/L
Dibromomethane	ND	25	ug/L
trans-1,4-Dichloro-2-butene	ND	25	ug/L
1,1-Dichloroethane	**7.3 J**	**25**	**ug/L**
1,2-Dichloroethane	**93**	**25**	**ug/L**
cis-1,2-Dichloroethene	**820**	**25**	**ug/L**
trans-1,2-Dichloroethene	**26**	**25**	**ug/L**
1,1-Dichloroethene	ND	25	ug/L
1,2-Dichloroethene (total)	**850**	**50**	**ug/L**
Dichlorofluoromethane	ND	50	ug/L
1,2-Dichloropropane	ND	25	ug/L
cis-1,3-Dichloropropene	ND	25	ug/L
trans-1,3-Dichloropropene	ND	25	ug/L
1,4-Dioxane	**8100**	**1200**	**ug/L**
Ethylbenzene	ND	25	ug/L
Ethyl methacrylate	ND	25	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW031A/081804

GC/MS Volatiles

Lot-Sample #...: A4H190207-006 **Work Order #...:** GNG5P1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	250	ug/L
Iodomethane	ND	25	ug/L
Isobutanol	ND	1200	ug/L
Methacrylonitrile	ND	50	ug/L
Methylene chloride	ND	25	ug/L
Methyl methacrylate	ND	50	ug/L
4-Methyl-2-pentanone	ND	250	ug/L
Propionitrile	ND	100	ug/L
Styrene	ND	25	ug/L
1,1,1,2-Tetrachloroethane	ND	25	ug/L
1,1,2,2-Tetrachloroethane	ND	25	ug/L
Tetrachloroethene	**7.3 J**	**25**	**ug/L**
Toluene	ND	25	ug/L
1,1,1-Trichloroethane	ND	25	ug/L
1,1,2-Trichloroethane	ND	25	ug/L
Trichloroethene	**460**	**25**	**ug/L**
Trichlorofluoromethane	ND	25	ug/L
1,2,3-Trichloropropane	ND	25	ug/L
Vinyl acetate	ND	50	ug/L
Vinyl chloride	**240**	**25**	**ug/L**
Xylenes (total)	ND	50	ug/L

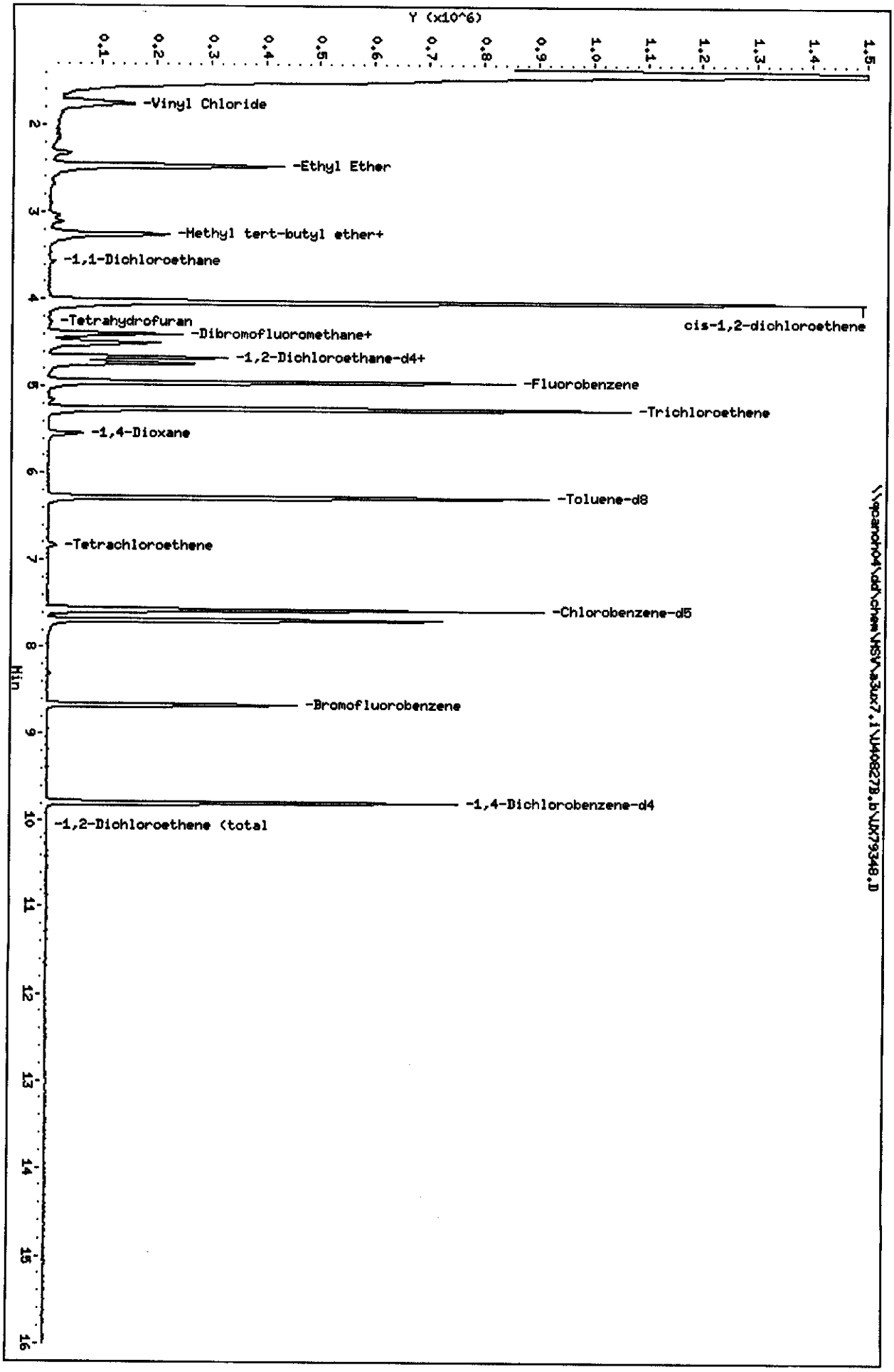
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(73 - 122)
1,2-Dichloroethane-d4	96	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40827B.b\UX79348.D
Date : 28-AUG-2004 02:19
Client ID: M4031A/081804
Sample Info: GNSP1AA,0.2ML/5ML
Purge Volume: 0.2
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79348.D
Report Date: 30-Aug-2004 12:19

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79348.D
Lab Smp Id: GNG5P1AA Client Smp ID: MW031A/081804
Inj Date : 28-AUG-2004 02:19
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNG5P1AA,0.2ML/5ML
Misc Info : U40827B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 30-Aug-2004 12:06 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.200	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	843020	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	556331	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	195268	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	183784	48.9757	244.88
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	270425	48.1371	240.68
$ 6 Toluene-d8	98	6.278	6.277	(0.830)	676035	47.1446	235.72
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	182846	39.9896	199.95
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.746	1.757	(0.353)	333024	47.8536	239.27
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79348.D
Report Date: 30-Aug-2004 12:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	3.248	3.248	(0.656)	265926	24.0904	120.45
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	24997	5.22323	26.116
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.580	3.568	(0.723)	12748	1.46873	7.344
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				797242	169.256	846.28
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	772245	164.033	820.16
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.266	4.254	(0.861)	4313	3.70146	18.507
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	4.739	4.727	(0.957)	134762	18.6799	93.400
	41 Benzene	78	4.739	4.739	(0.957)	140372	7.00942	35.047
	42 Trichloroethene	130	5.260	5.260	(1.062)	373741	91.6585	458.29
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.544	5.532	(1.119)	55357	1626.18	8130.9(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.834	6.834	(0.903)	3756	1.46162	7.308
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79348.D
Report Date: 30-Aug-2004 12:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.467	2.467	(0.498)	367317	90.7338	453.67
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	4.503	4.502	(0.909)	131503	20.3453	101.73
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79348.D

Date : 28-AUG-2004 02:19

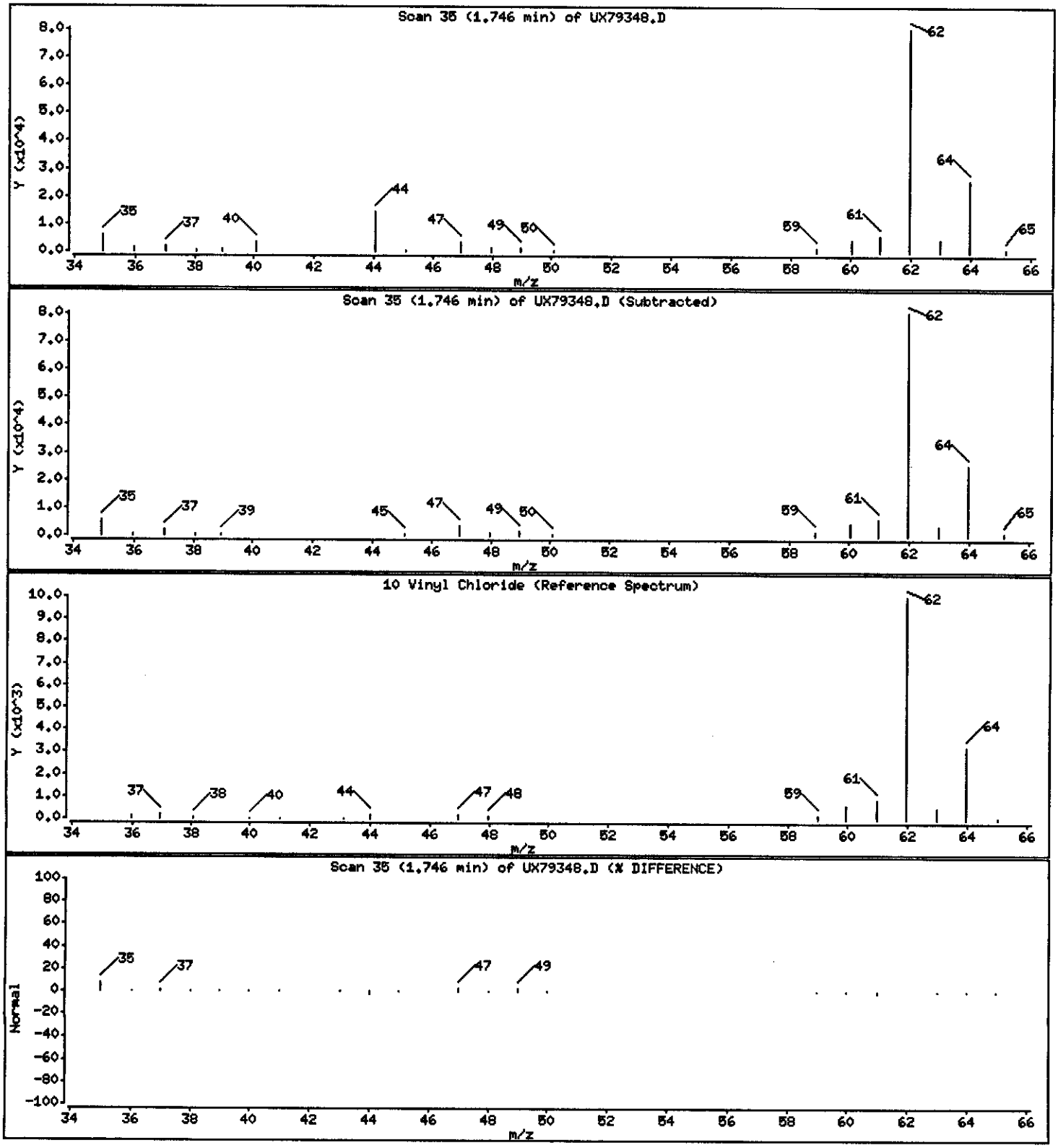
Client ID: MW031A/081804 Instrument: a3ux7.i

Sample Info: GNC5P1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

10 Vinyl Chloride Concentration: 239.27 ug/L



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Date : 28-AUG-2004 02:19

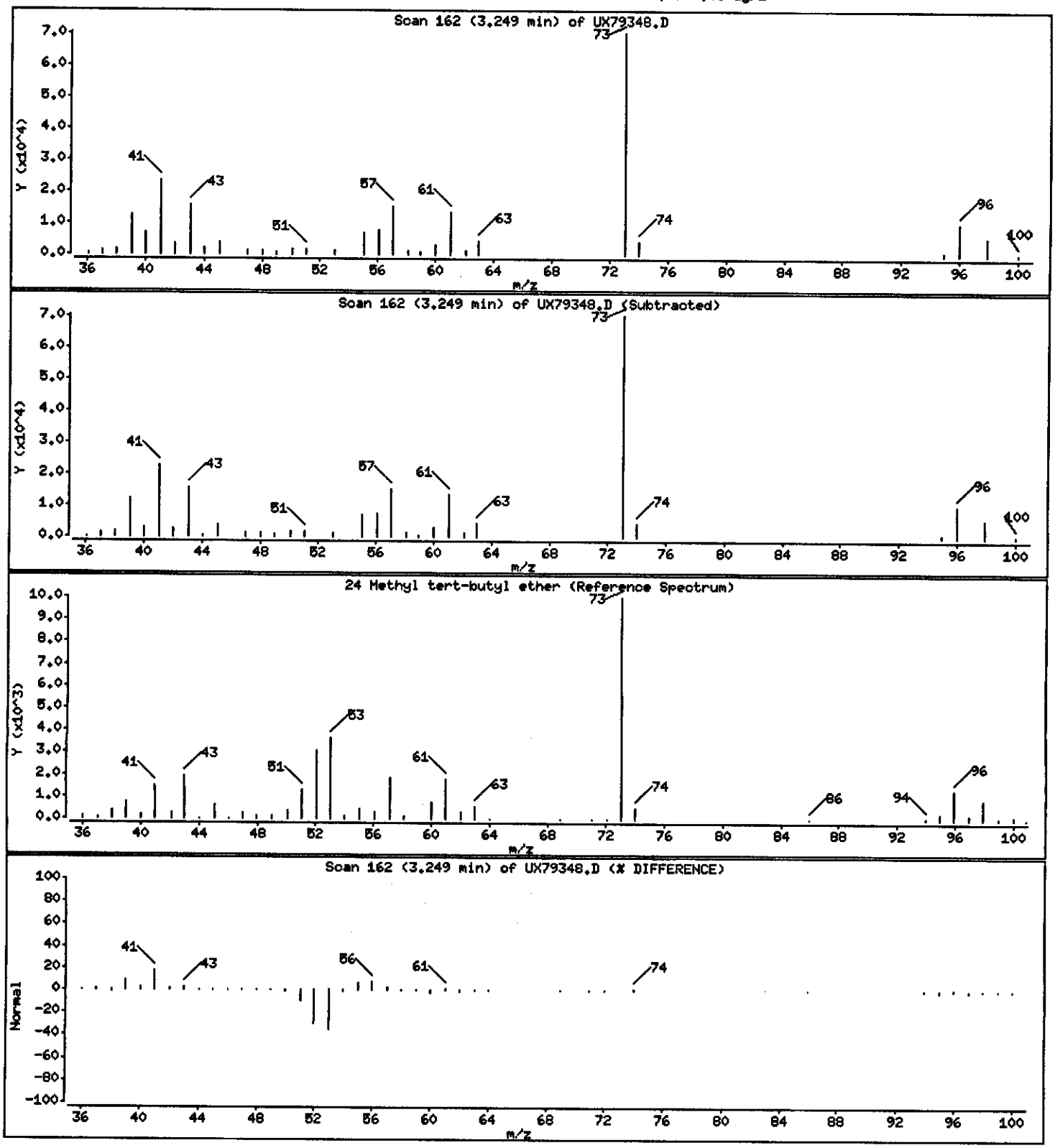
Client ID: MW031A/081804 Instrument: a3ux7.i

Sample Info: GNG5P1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

24 Methyl tert-butyl ether Concentration: 120.45 ug/L



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Date : 28-AUG-2004 02:19

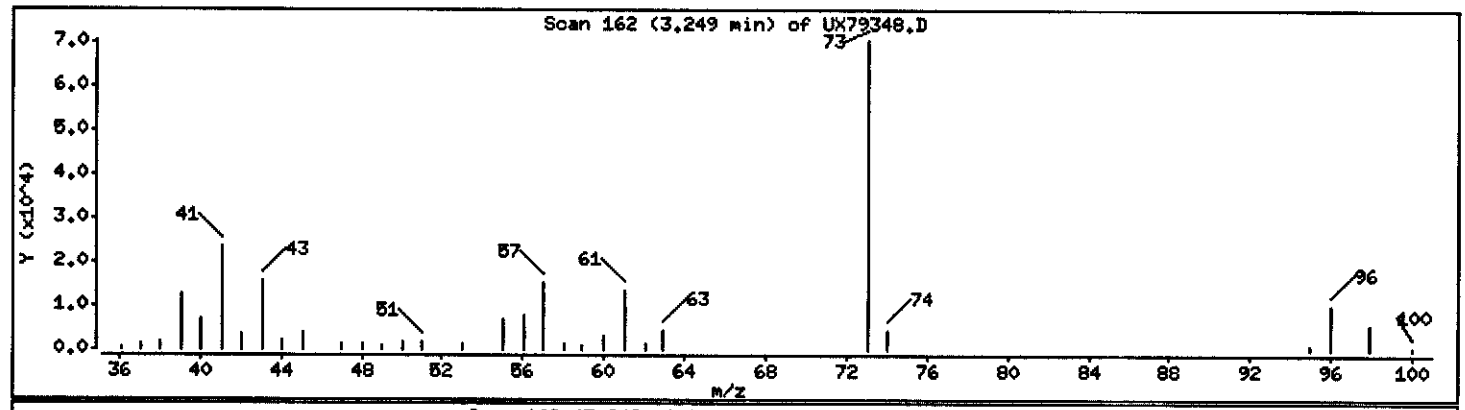
Client ID: MW031A/081804 Instrument: a3ux7.i

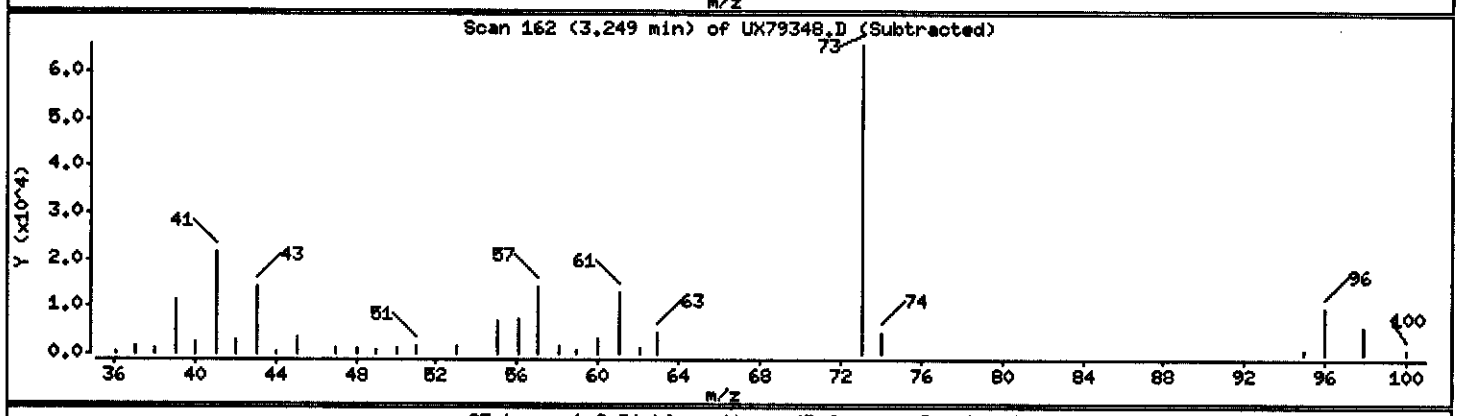
Sample Info: GNG5P1AA,0.2ML/5ML

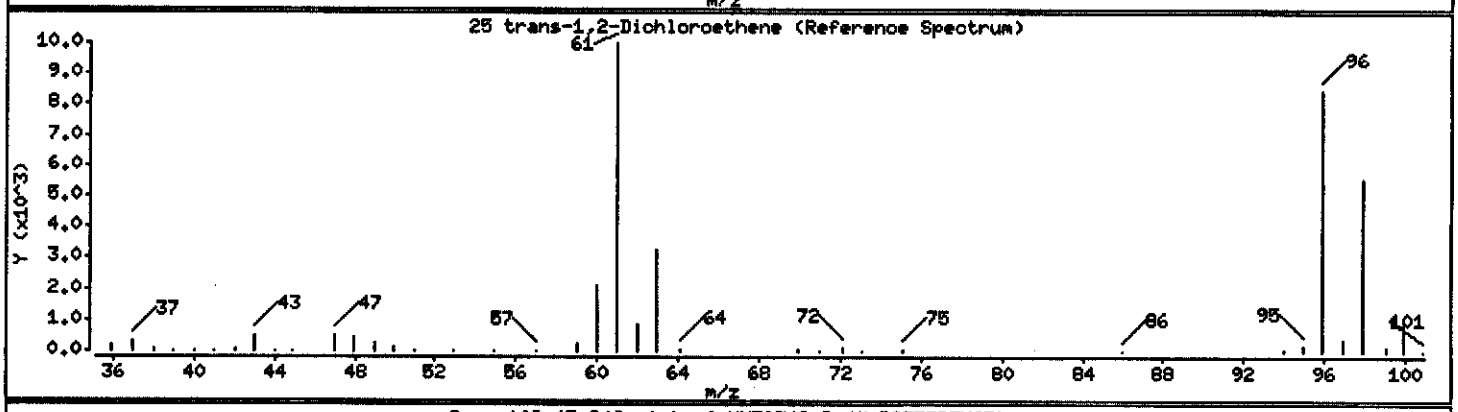
Purge Volume: 0.2 Operator: 1754

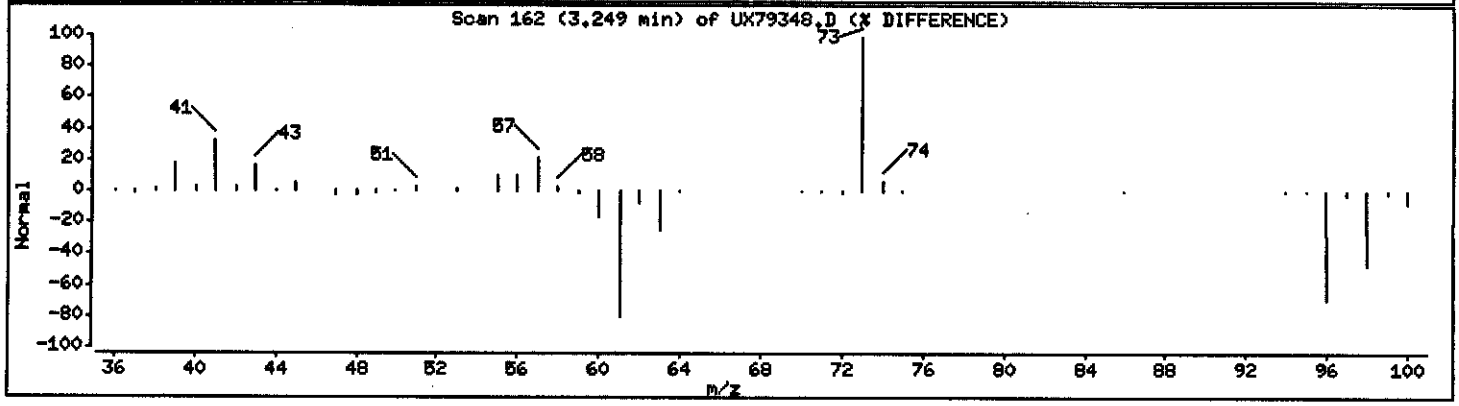
Column phase: DB624 20m Column diameter: 0.18

25 trans-1,2-Dichloroethene Concentration: 26.116 ug/L









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Date : 28-AUG-2004 02:19

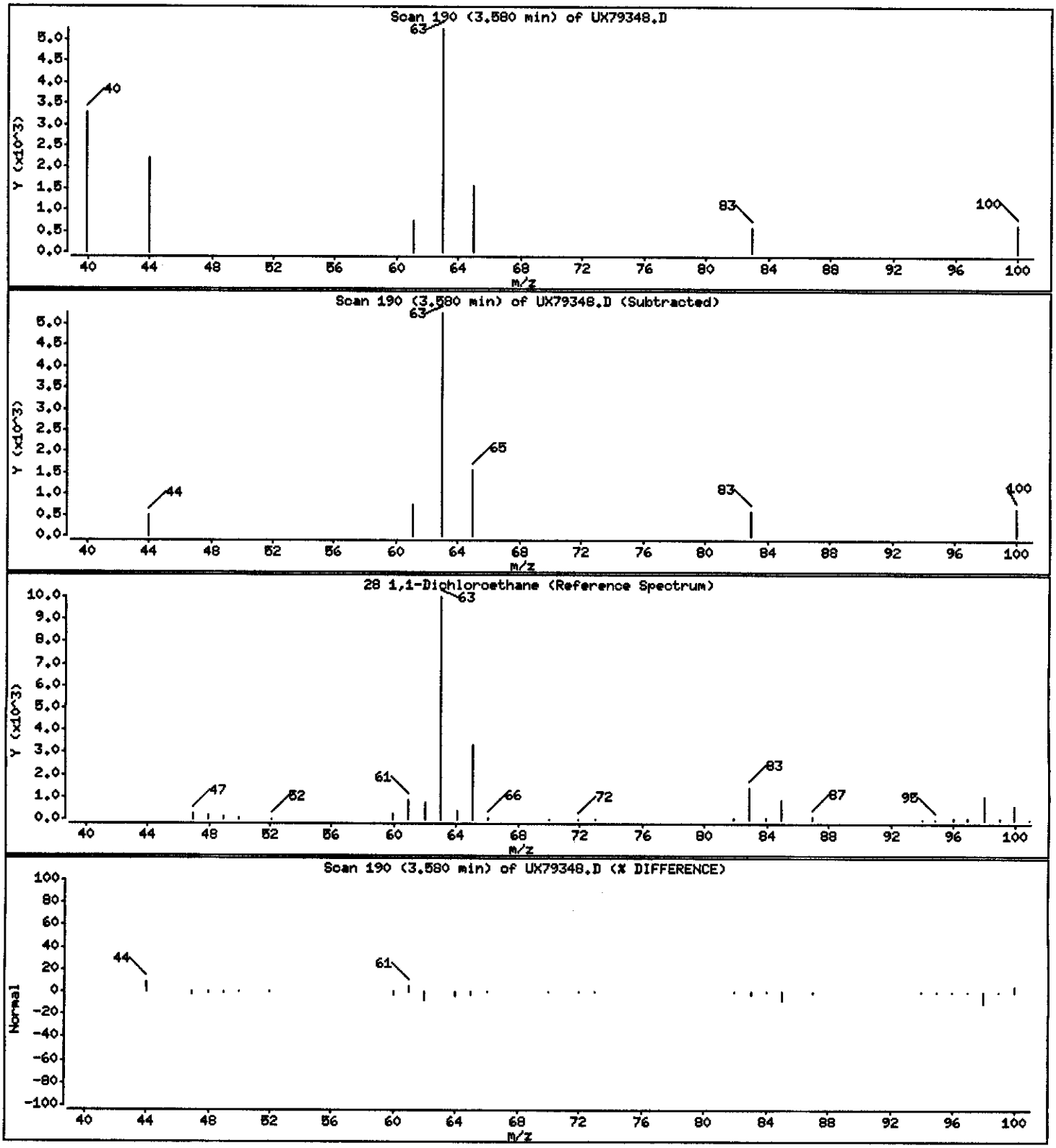
Client ID: MW031A/081804 Instrument: a3ux7.i

Sample Info: GNG5P1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 7.344 ug/L



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Date : 28-AUG-2004 02:19

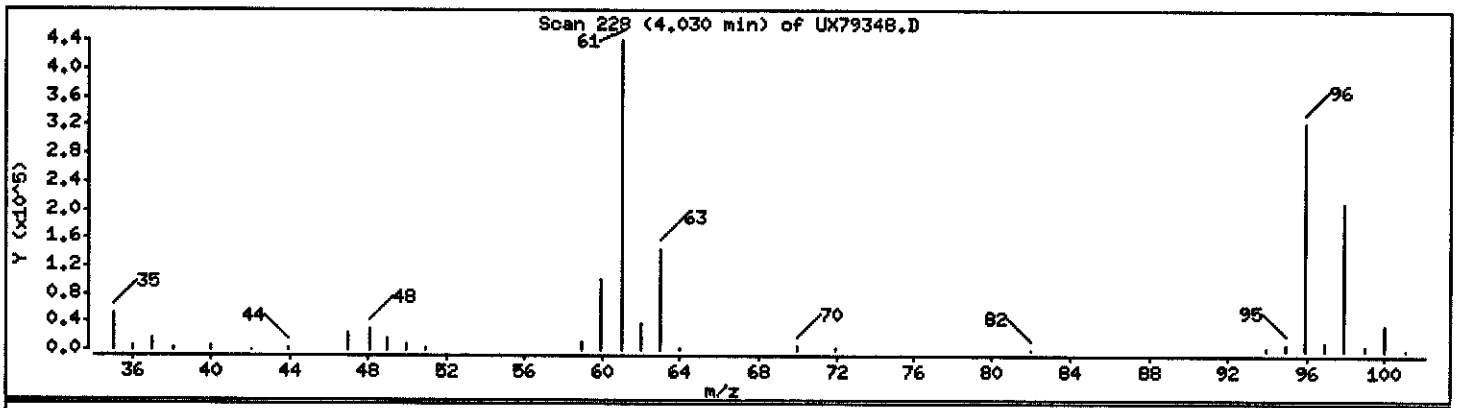
Client ID: MW031A/081804 Instrument: a3ux7.i

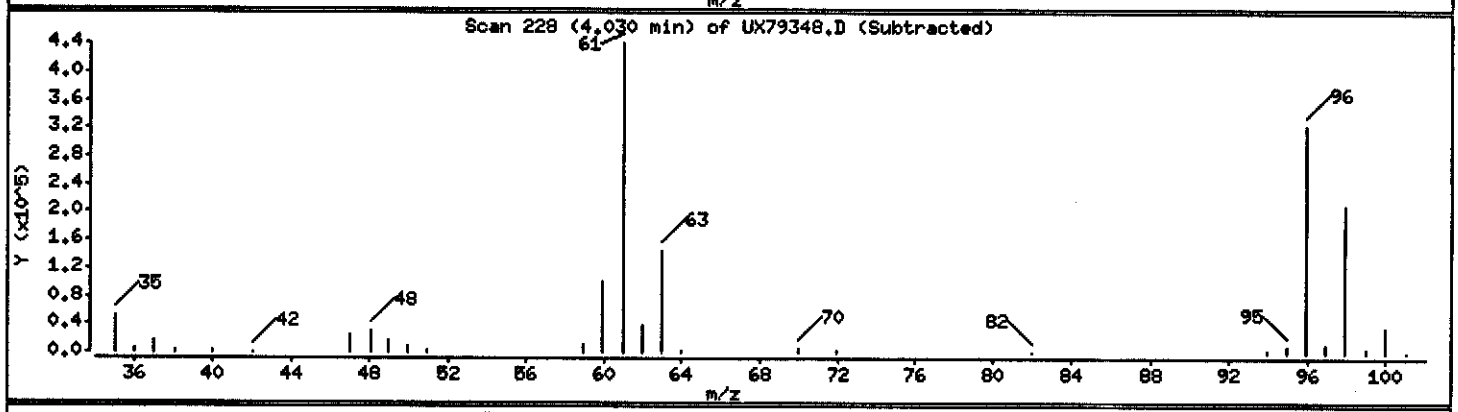
Sample Info: GNG5P1AA,0.2ML/5ML

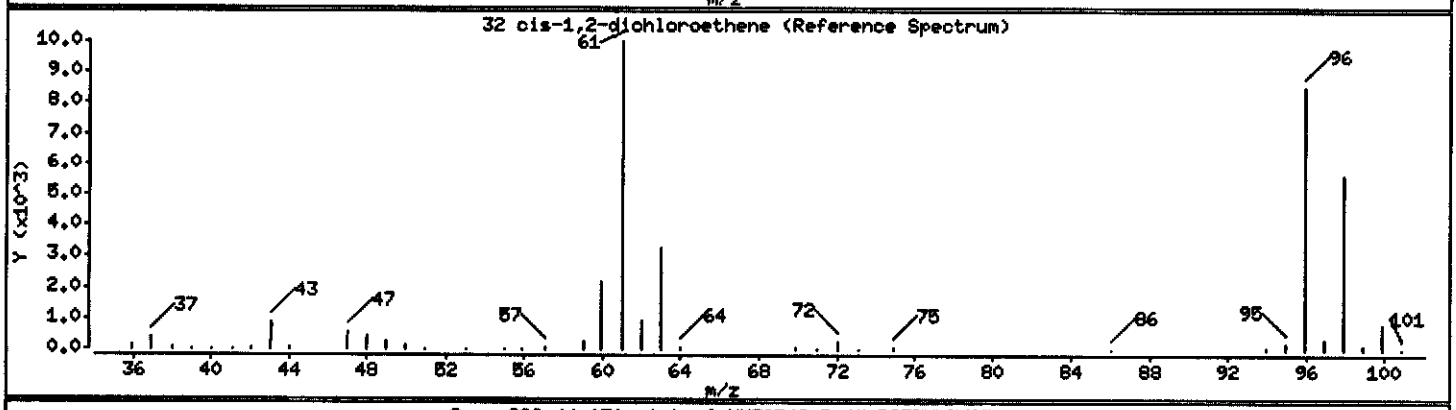
Purge Volume: 0.2 Operator: 1754

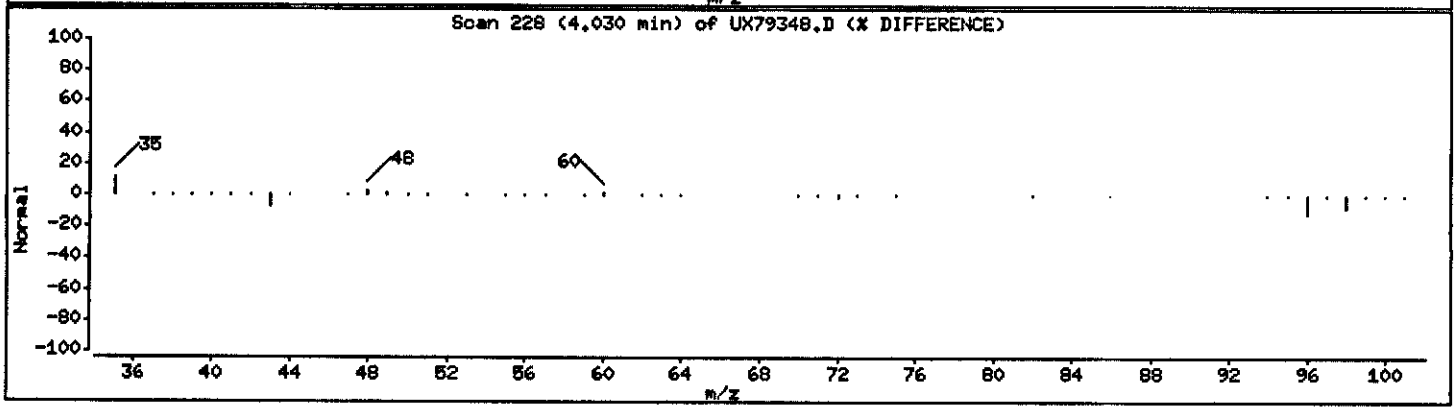
Column phase: DB624 20m Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 820.16 ug/L









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Date : 28-AUG-2004 02:19

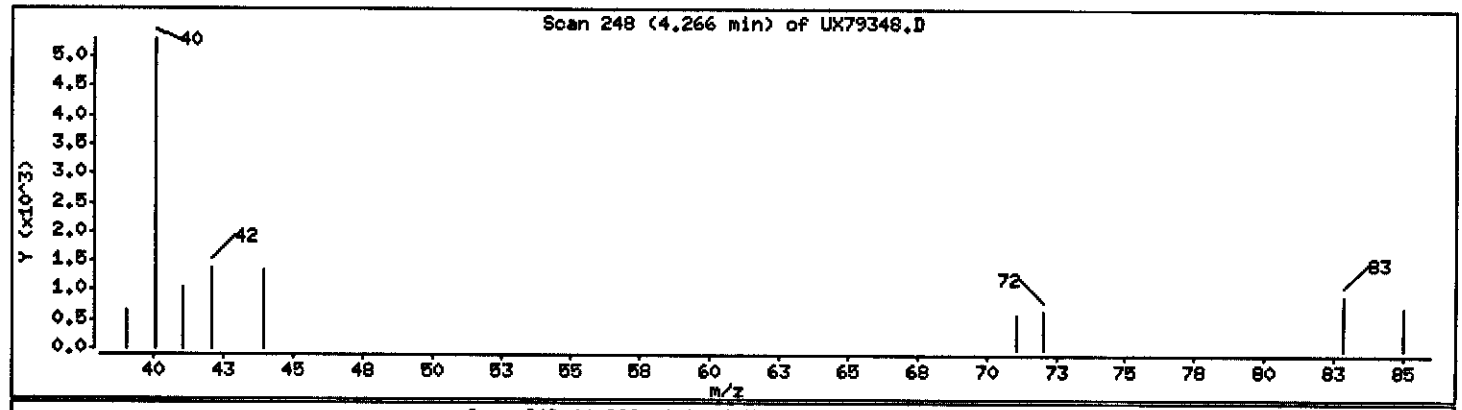
Client ID: MW031A/081804 Instrument: a3ux7.i

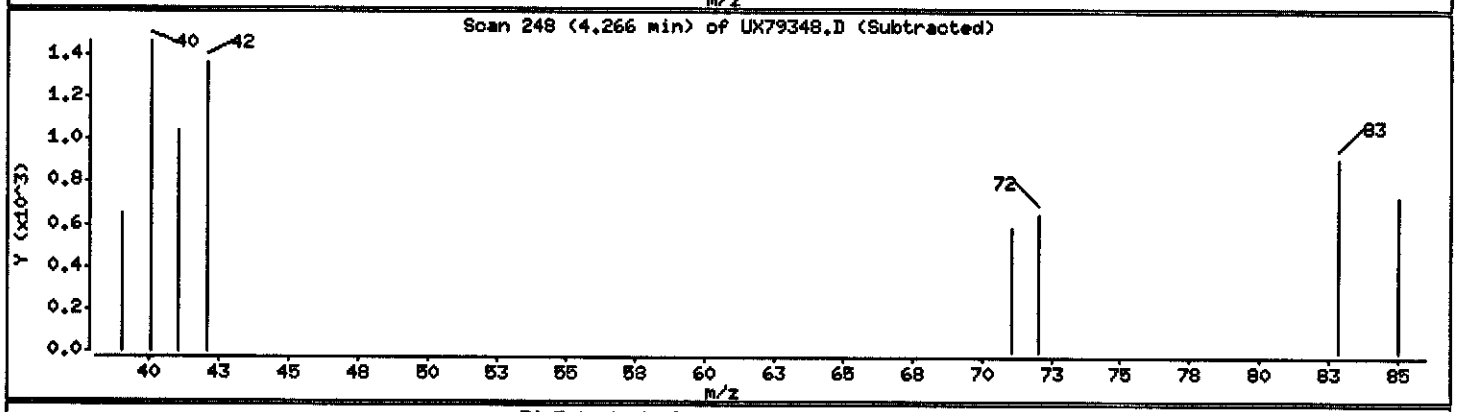
Sample Info: GNC5P1AA,0.2ML/5ML

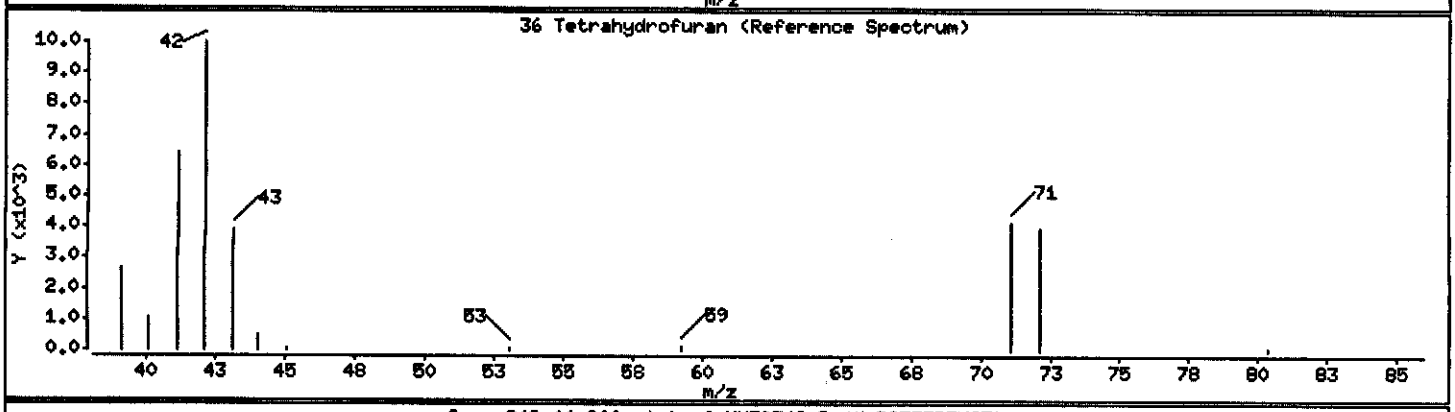
Purge Volume: 0.2 Operator: 1754

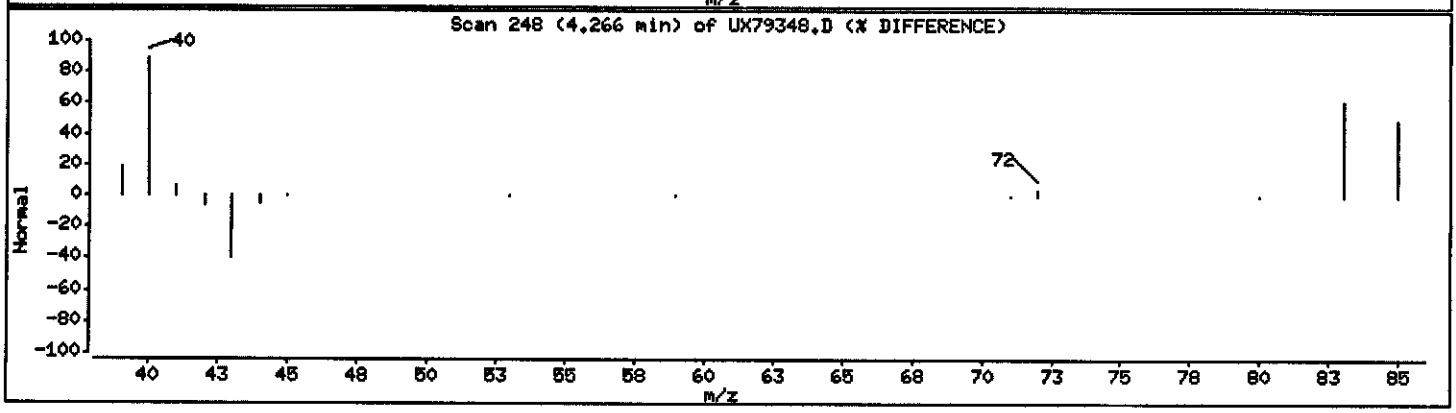
Column phase: DB624 20m Column diameter: 0.18

36 Tetrahydrofuran Concentration: 18.507 ug/L









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Date : 28-AUG-2004 02:19

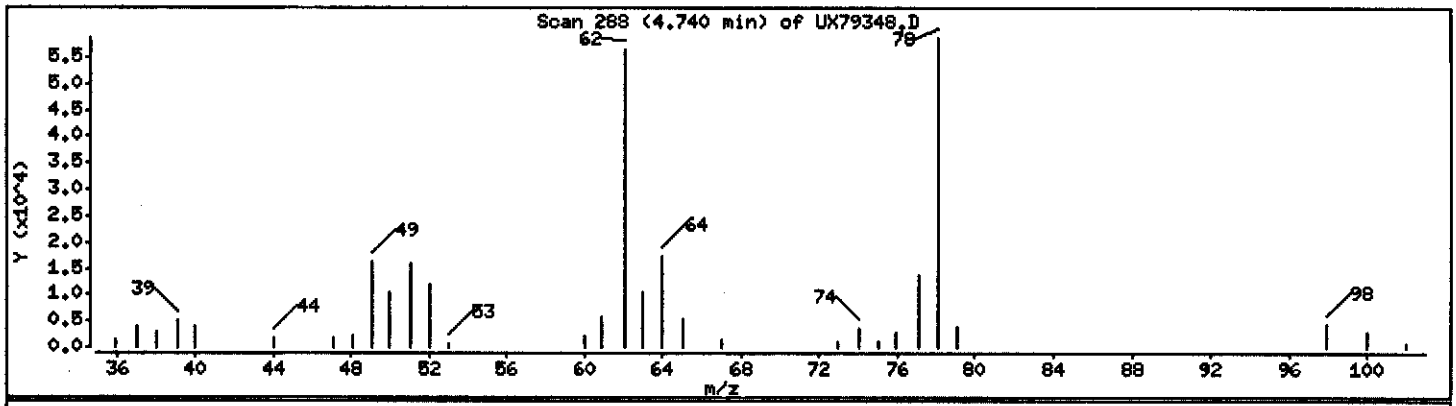
Client ID: MW031A/081804 Instrument: a3ux7.i

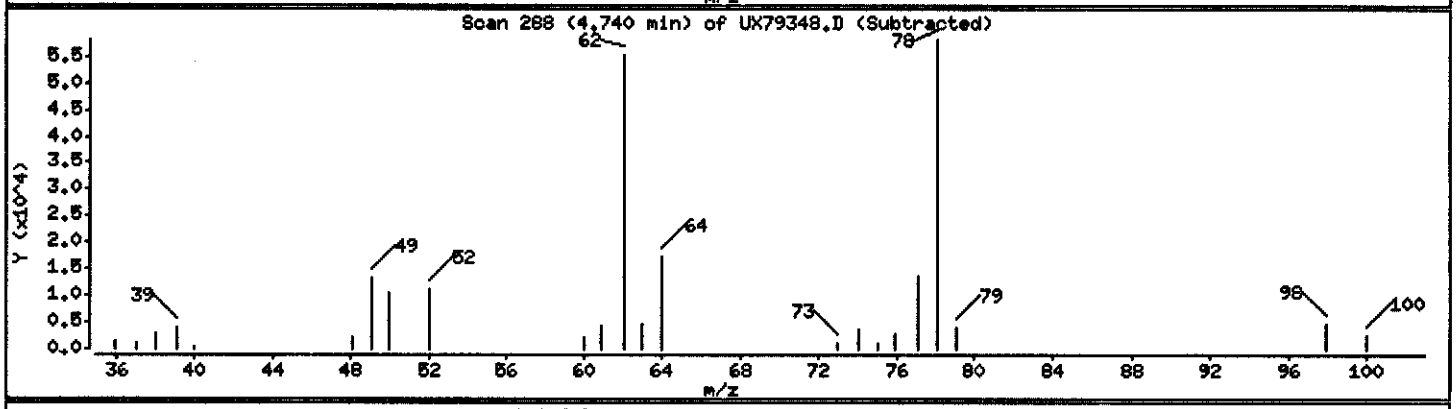
Sample Info: GNG5P1AA,0.2ML/5ML

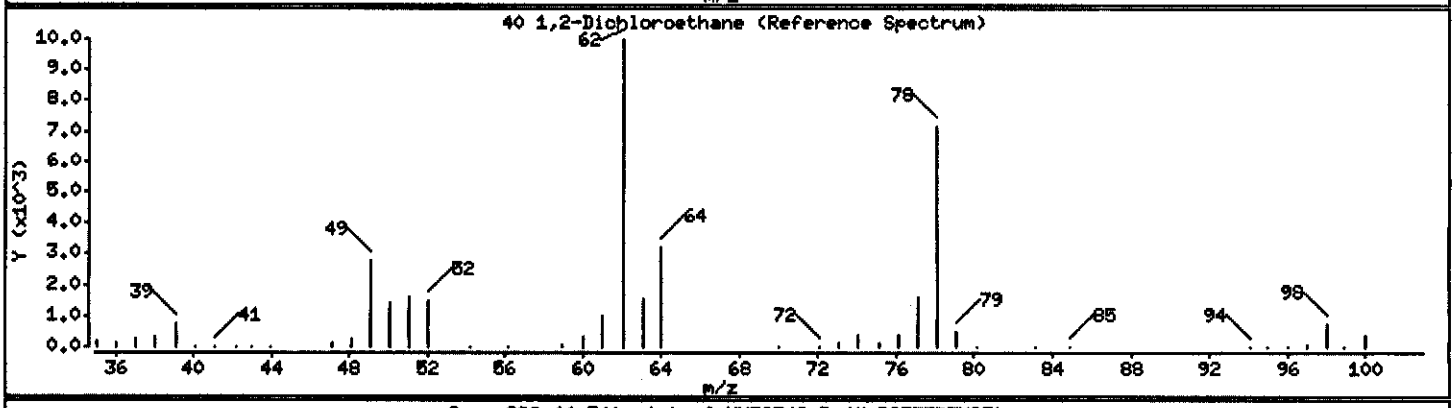
Purge Volume: 0.2 Operator: 1754

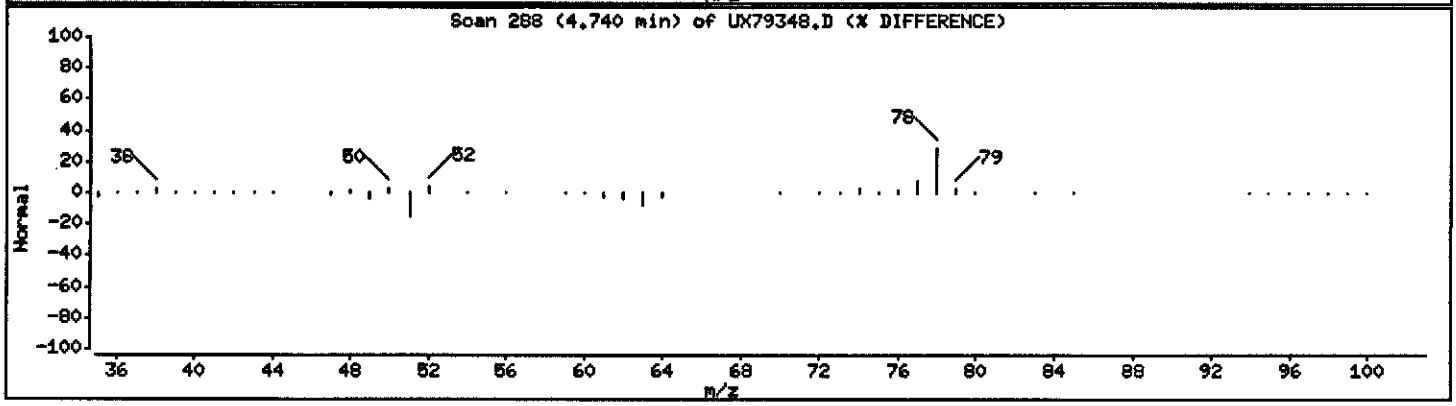
Column phase: DB624 20m Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 93.400 ug/L









Data File: \\qcanoh04\dd\ohem\MSV\a3ux7.i\U40827B.b\UX79348.D

Date : 28-AUG-2004 02:19

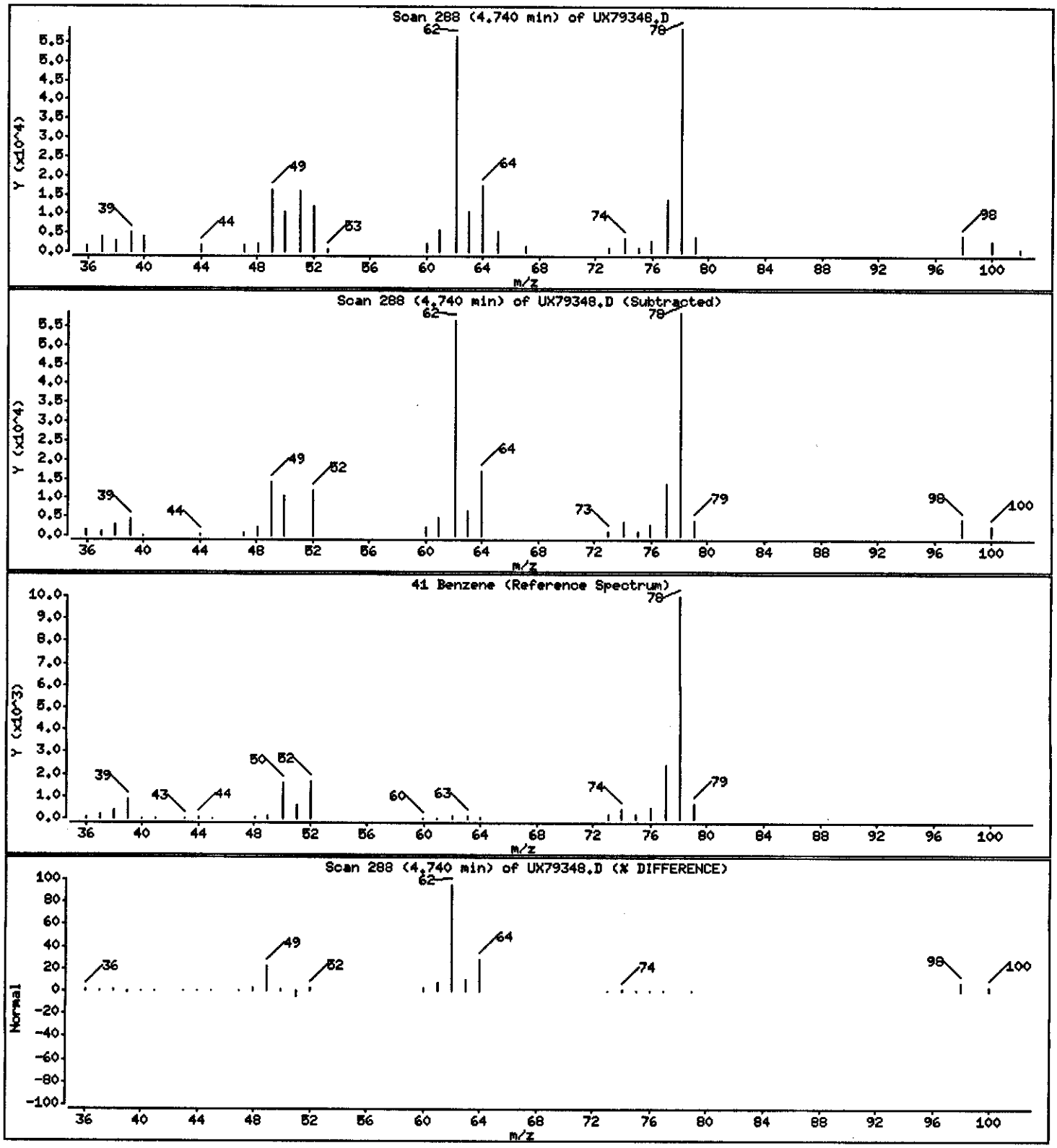
Client ID: MW031A/081804 Instrument: a3ux7.i

Sample Info: GNC5P1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

41 Benzene Concentration: 35.047 ug/L



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Date : 28-AUG-2004 02:19

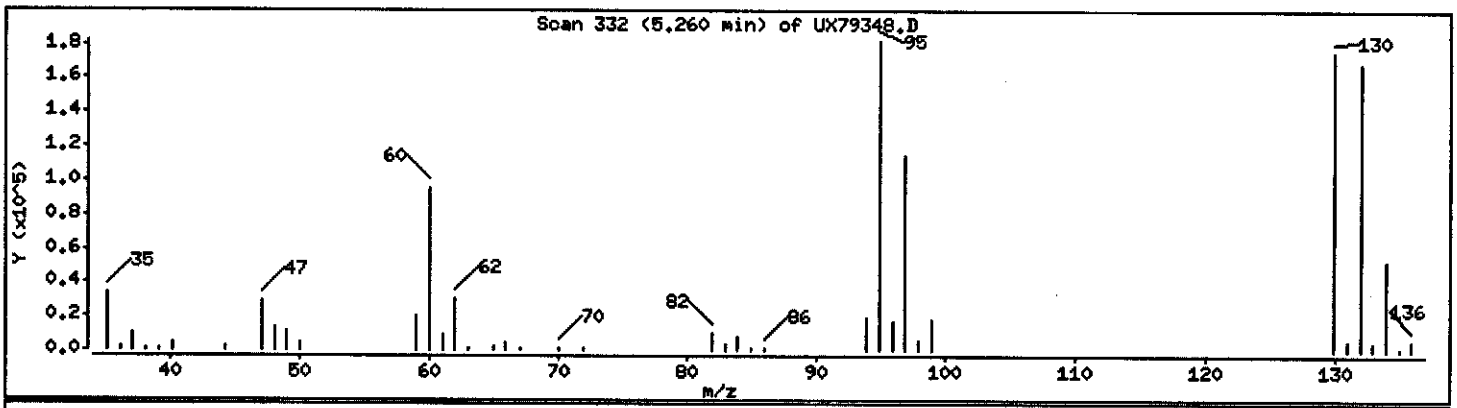
Client ID: MW031A/081804 Instrument: a3ux7.i

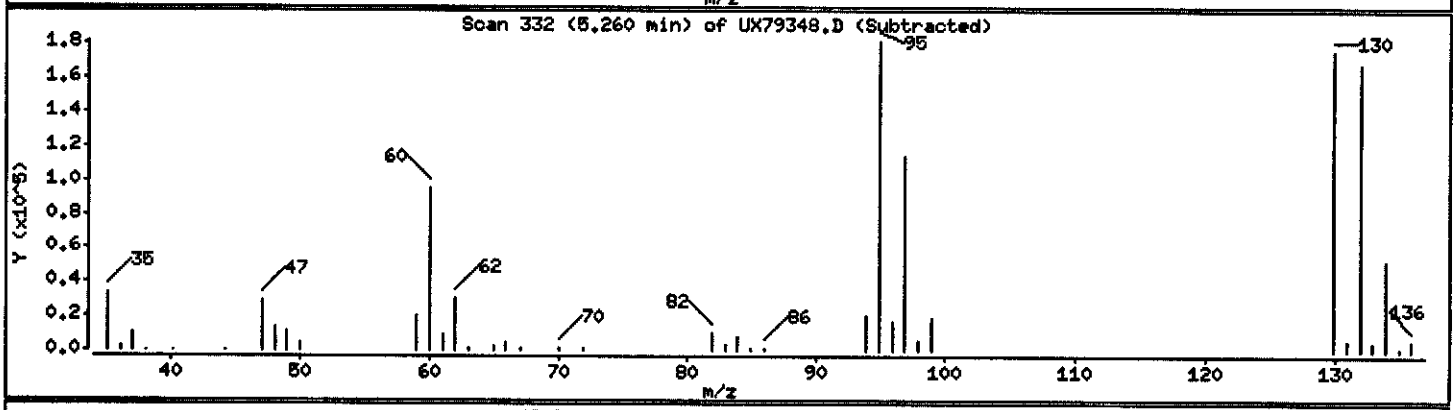
Sample Info: GNC5P1AA,0.2ML/5ML

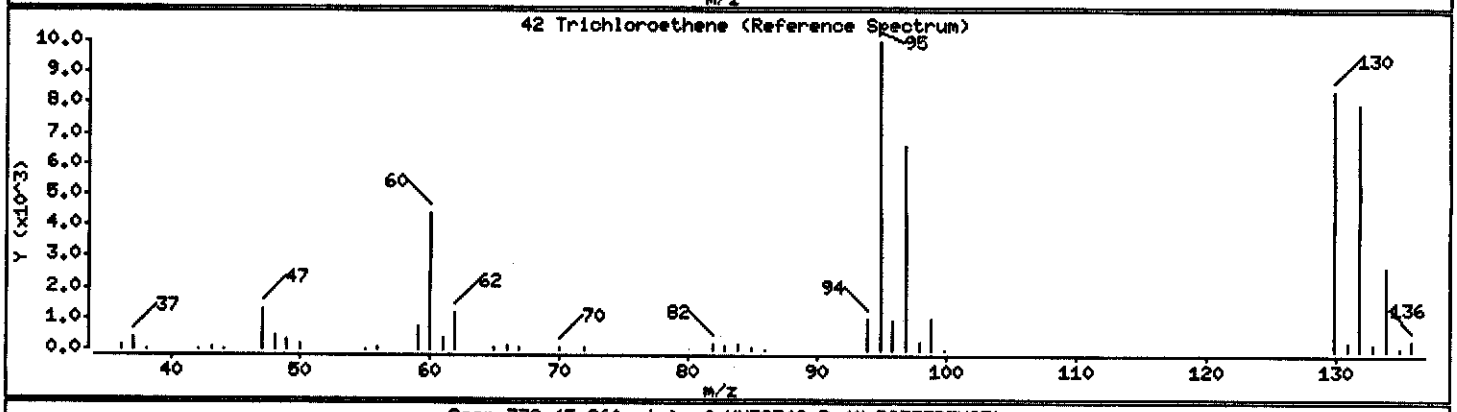
Purge Volume: 0.2 Operator: 1754

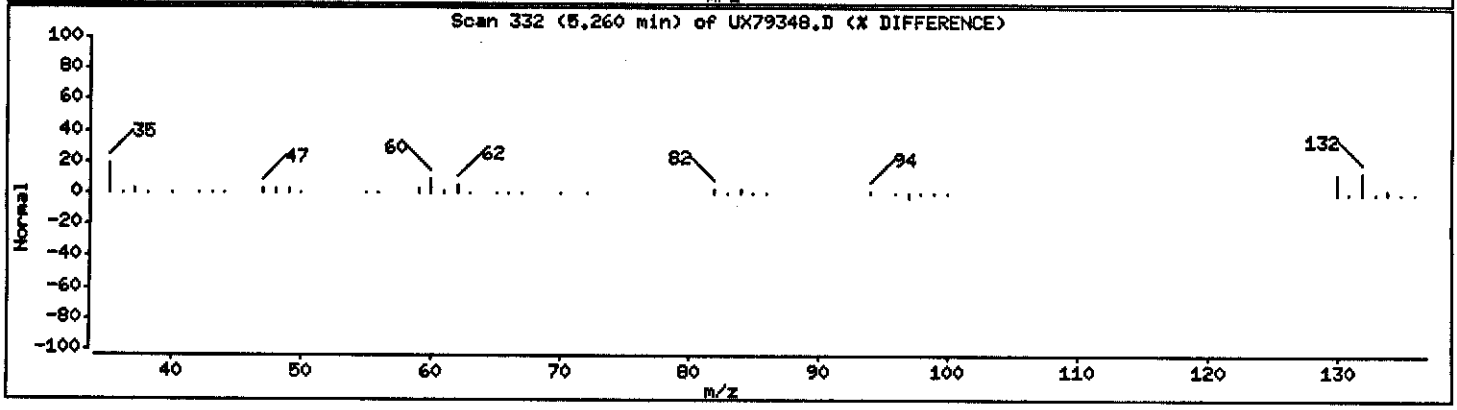
Column phase: DB624 20m Column diameter: 0.18

42 Trichloroethene Concentration: 458.29 ug/L









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Date : 28-AUG-2004 02:19

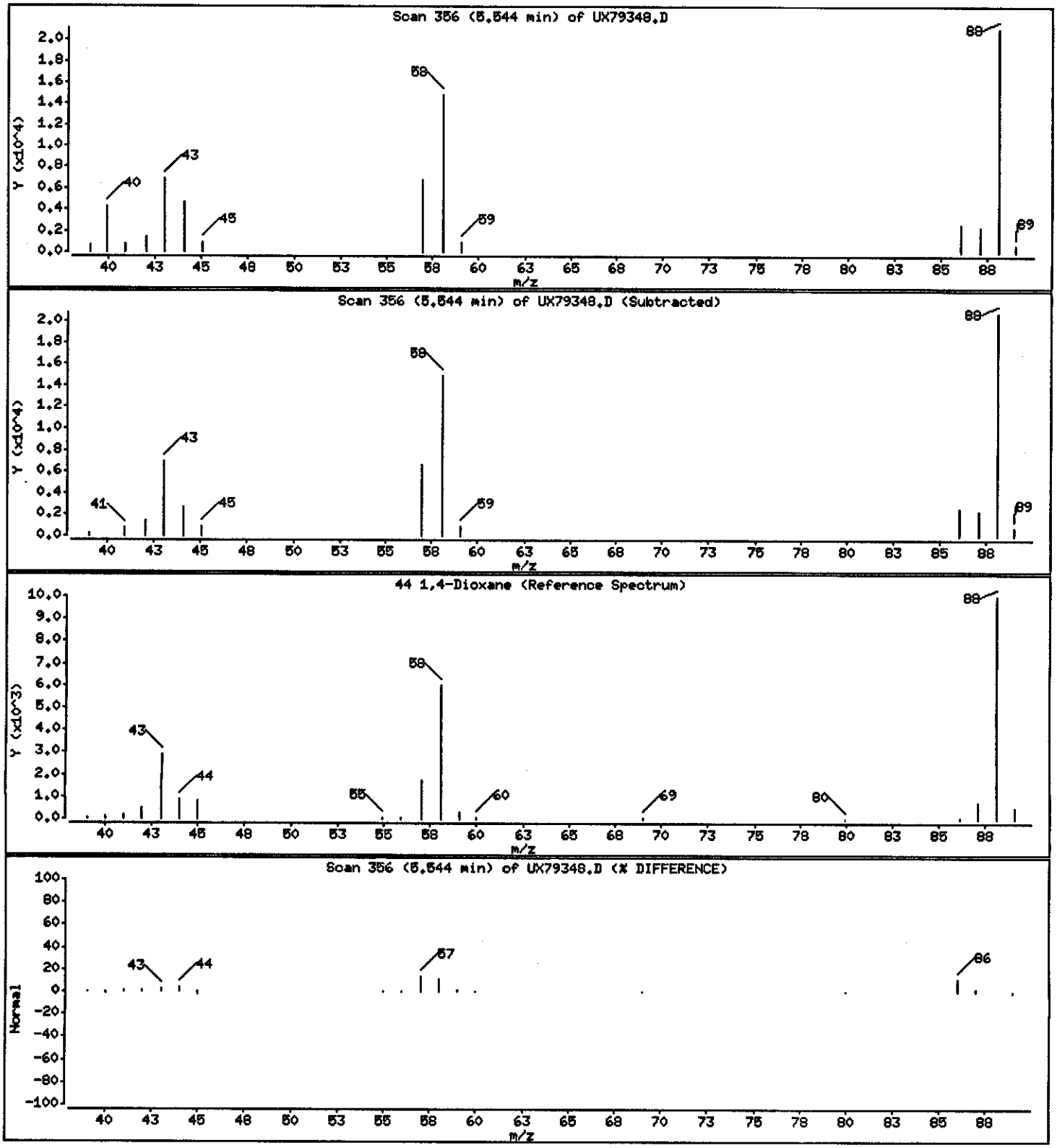
Client ID: MW031A/081804 Instrument: a3ux7.i

Sample Info: GNG5P1AA,0.2ML/5ML

Purge Volume: 0.2 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 8130.9 ug/L



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Date : 28-AUG-2004 02:19

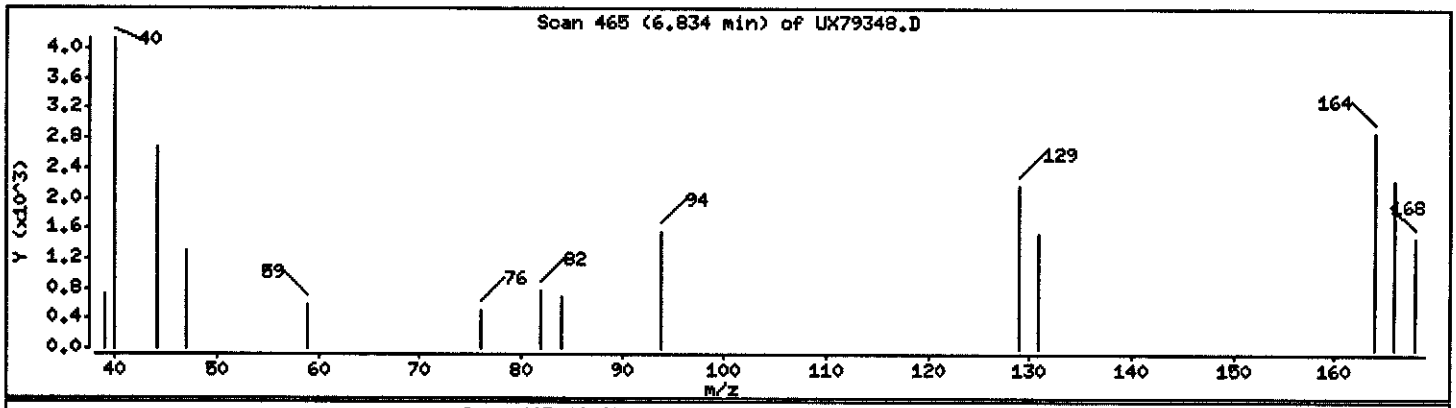
Client ID: MW031A/081804 Instrument: a3ux7.i

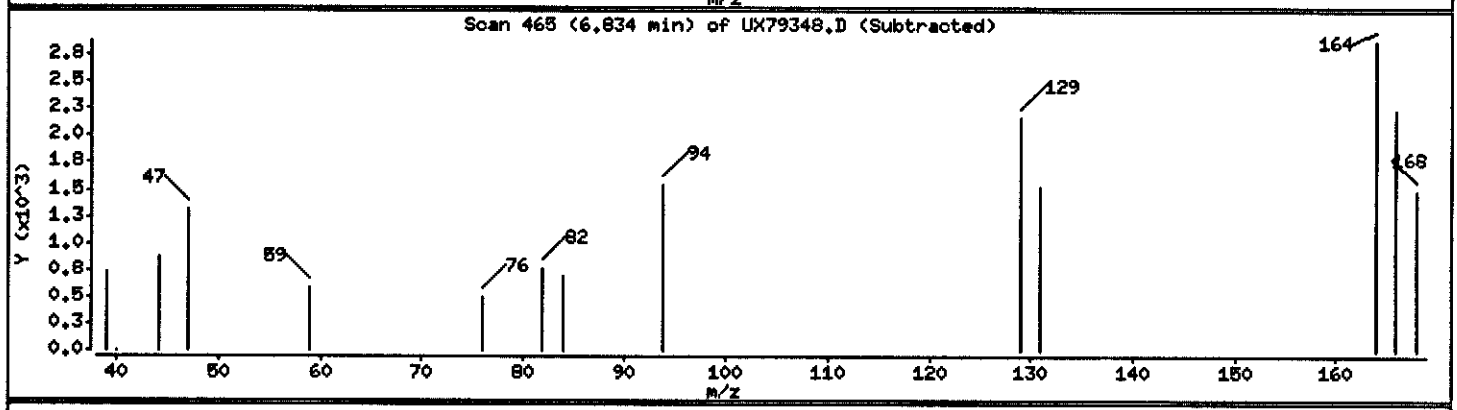
Sample Info: GNC5P1AA,0.2ML/5ML

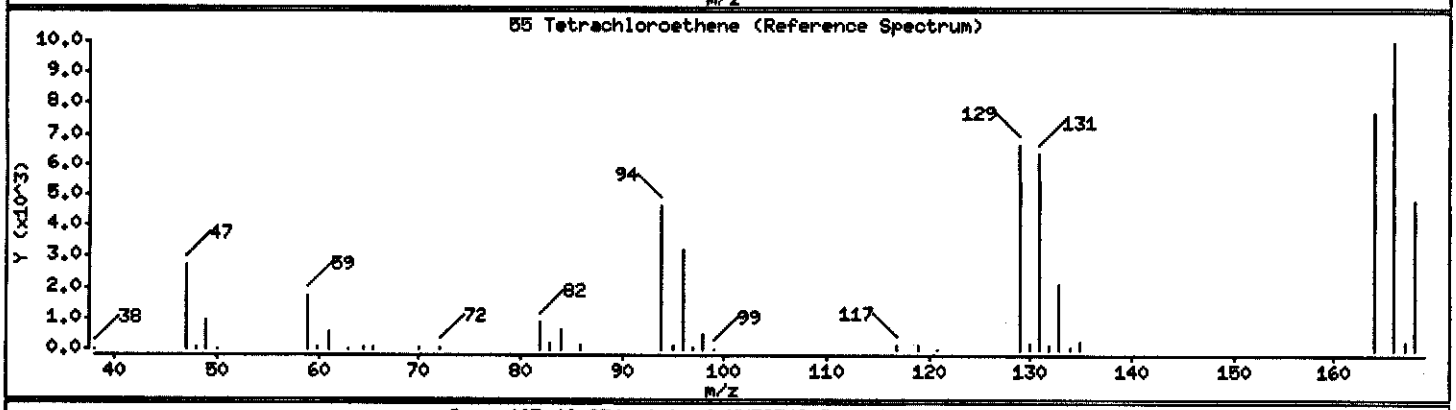
Purge Volume: 0.2 Operator: 1754

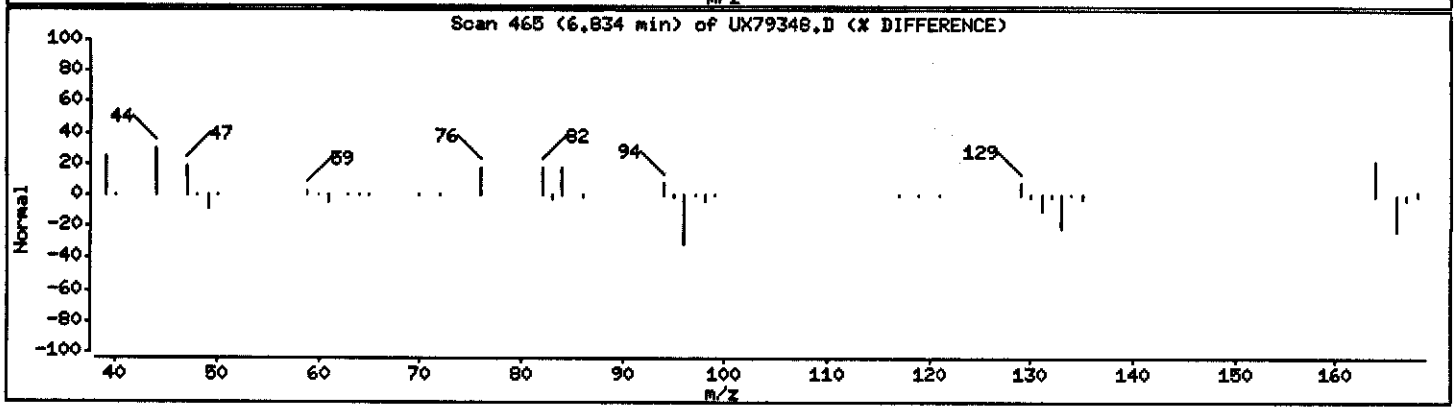
Column phase: DB624 20m Column diameter: 0.18

55 Tetrachloroethene Concentration: 7.308 ug/L









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Date : 28-AUG-2004 02:19

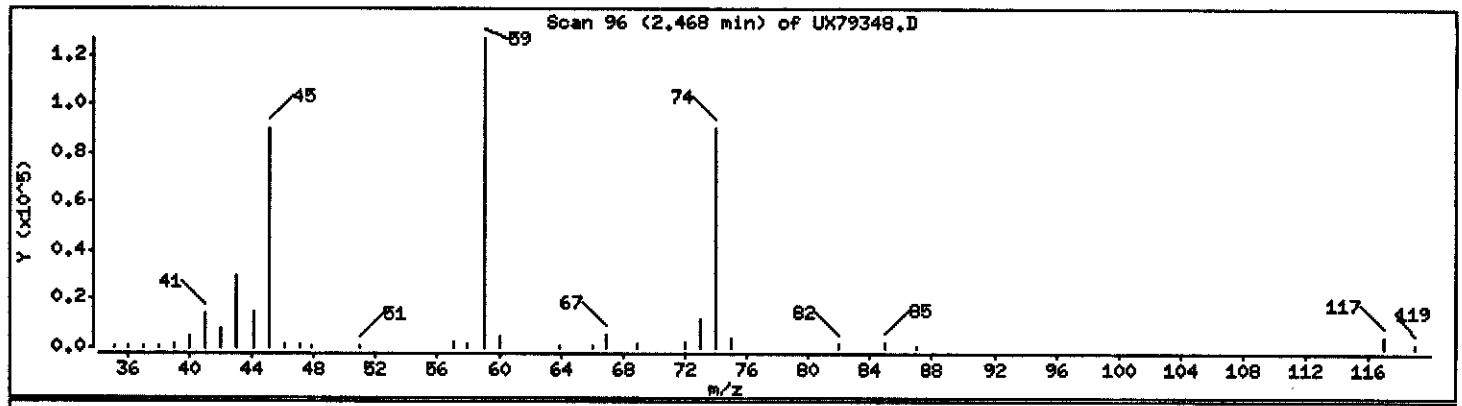
Client ID: MW031A/081804 Instrument: a3ux7.i

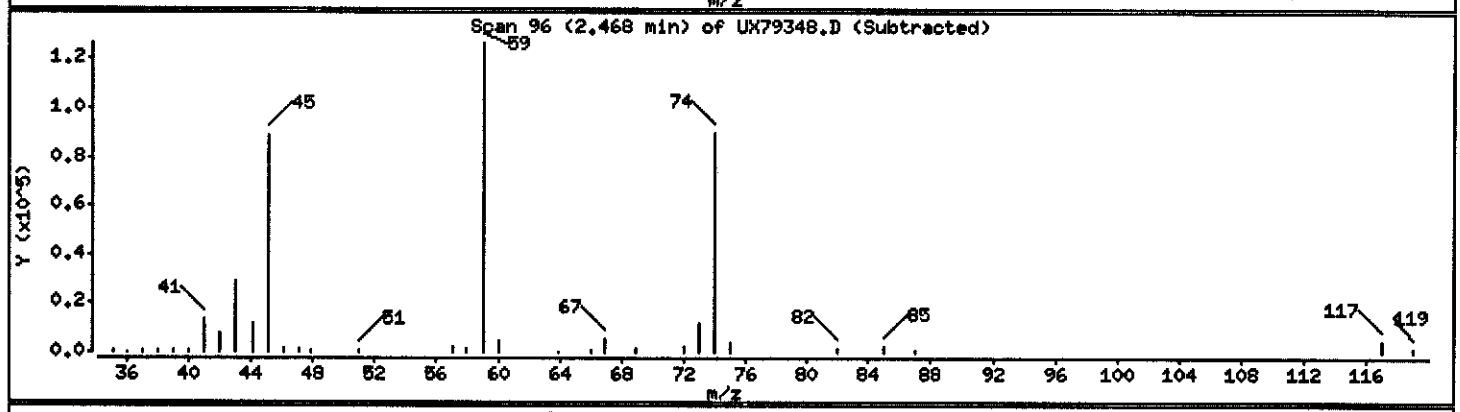
Sample Info: GNC5P1AA,0.2ML/5ML

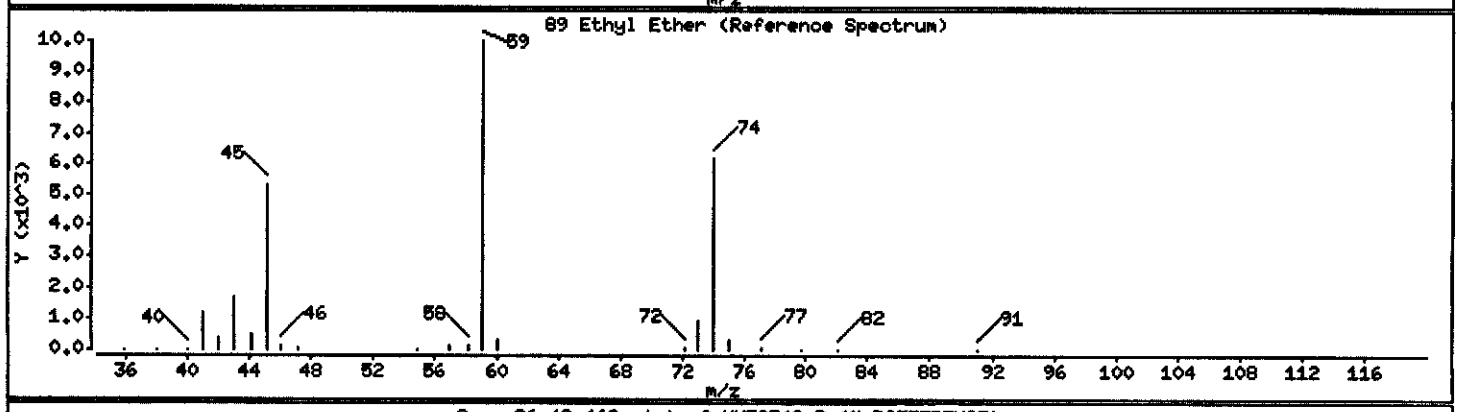
Purge Volume: 0.2 Operator: 1754

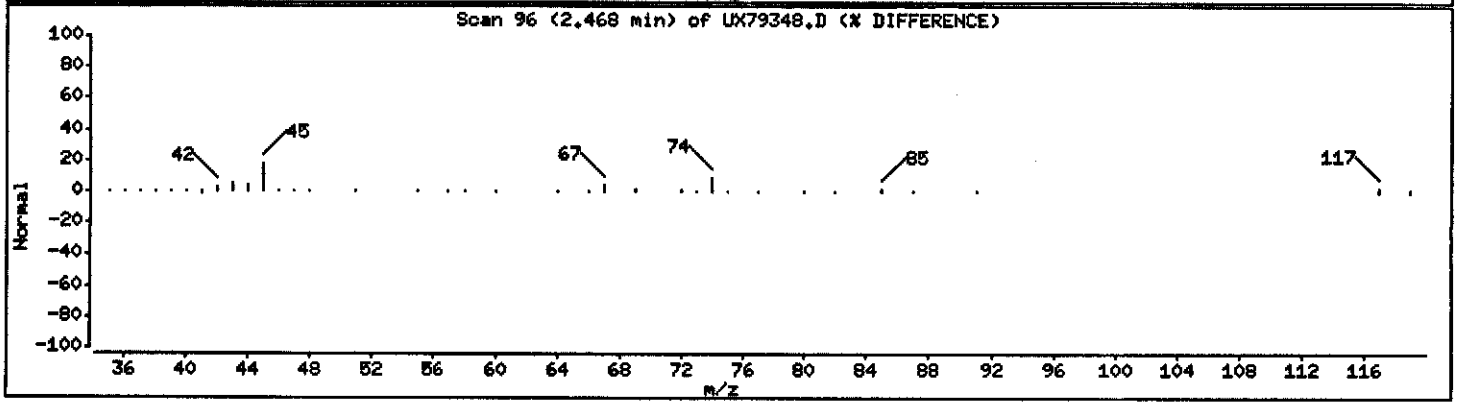
Column phase: DB624 20m Column diameter: 0.18

89 Ethyl Ether Concentration: 453.67 ug/L









Data File: \\qoanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79348.D

Date : 28-AUG-2004 02:19

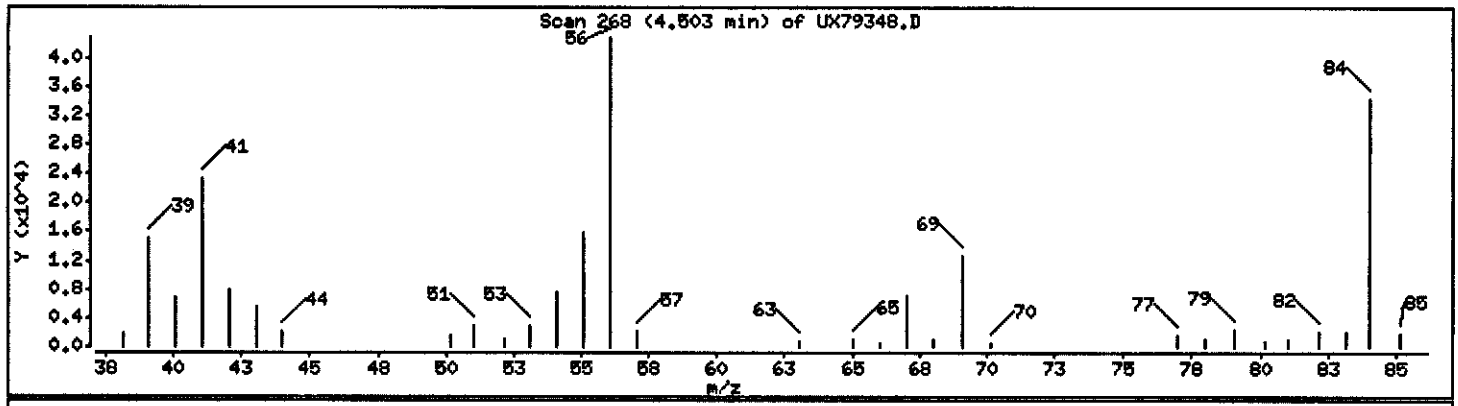
Client ID: MW031A/081804 Instrument: a3ux7.i

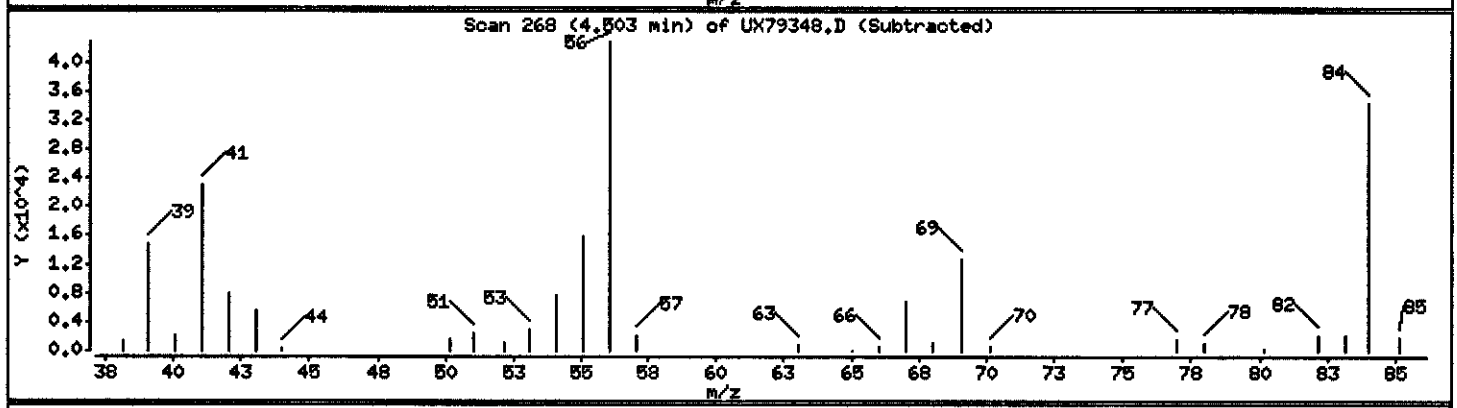
Sample Info: GNG5P1AA,0.2ML/5ML

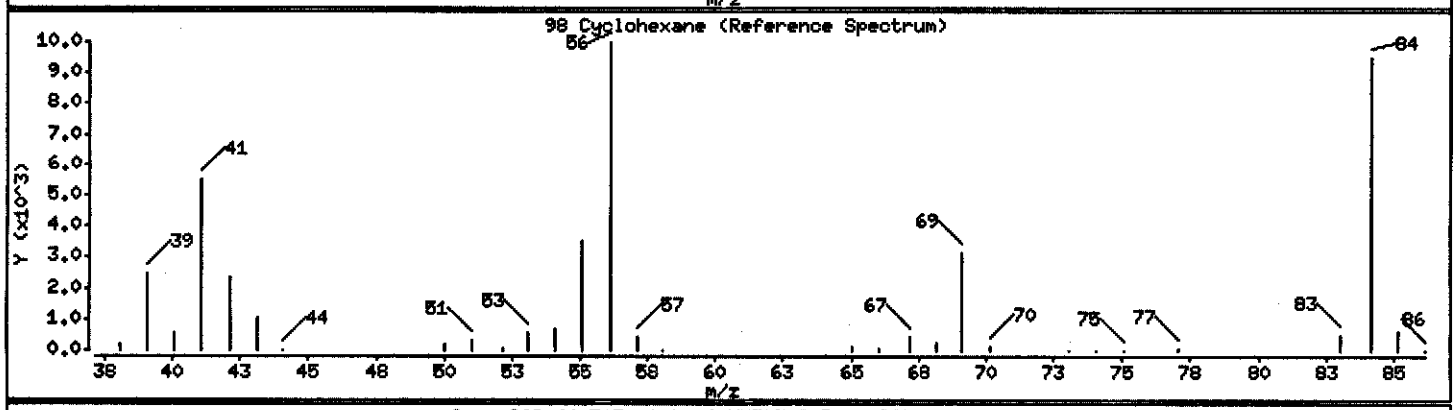
Purge Volume: 0.2 Operator: 1754

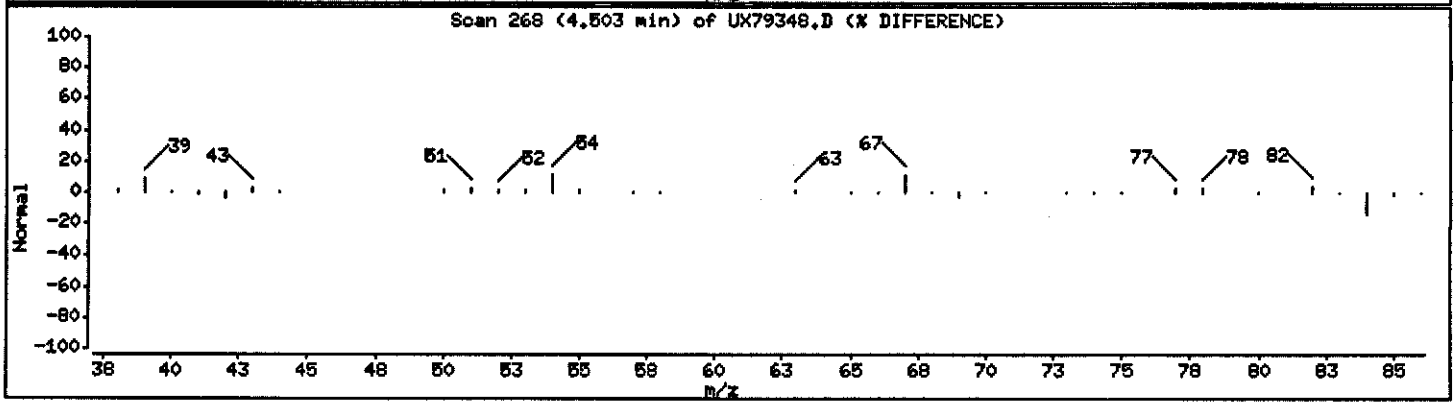
Column phase: DB624 20m Column diameter: 0.18

98 Cyclohexane Concentration: 101.73 ug/L









PAYNE FIRM INC.

Client Sample ID: MW031D/081804

GC/MS Volatiles

Lot-Sample #...: A4H190207-007 **Work Order #...:** GNG5Q1AA **Matrix.....:** WG
Date Sampled...: 08/18/04 09:39 **Date Received..:** 08/19/04
Prep Date.....: 08/30/04 **Analysis Date..:** 08/30/04
Prep Batch #...: 4244112
Dilution Factor: 2 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	20	ug/L
Acetonitrile	ND	40	ug/L
Acrolein	ND	40	ug/L
Acrylonitrile	ND	40	ug/L
Benzene	**3.7**	**2.0**	**ug/L**
Bromodichloromethane	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
2-Butanone	ND	20	ug/L
Carbon disulfide	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Chloroprene	ND	4.0	ug/L
Dibromochloromethane	ND	2.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	2.0	ug/L
3-Chloropropene	ND	4.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	4.0	ug/L
1,2-Dibromoethane	ND	2.0	ug/L
Dibromomethane	ND	2.0	ug/L
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L
1,1-Dichloroethane	**0.42 J**	**2.0**	**ug/L**
1,2-Dichloroethane	**63**	**2.0**	**ug/L**
cis-1,2-Dichloroethene	**32**	**2.0**	**ug/L**
trans-1,2-Dichloroethene	**3.1**	**2.0**	**ug/L**
1,1-Dichloroethene	ND	2.0	ug/L
1,2-Dichloroethene (total)	**35**	**4.0**	**ug/L**
Dichlorofluoromethane	ND	4.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
cis-1,3-Dichloropropene	ND	2.0	ug/L
trans-1,3-Dichloropropene	ND	2.0	ug/L
1,4-Dioxane	**530**	**100**	**ug/L**
Ethylbenzene	ND	2.0	ug/L
Ethyl methacrylate	ND	2.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW031D/081804

GC/MS Volatiles

Lot-Sample #...: A4H190207-007 **Work Order #...:** GNG5Q1AA **Matrix.....:** WG

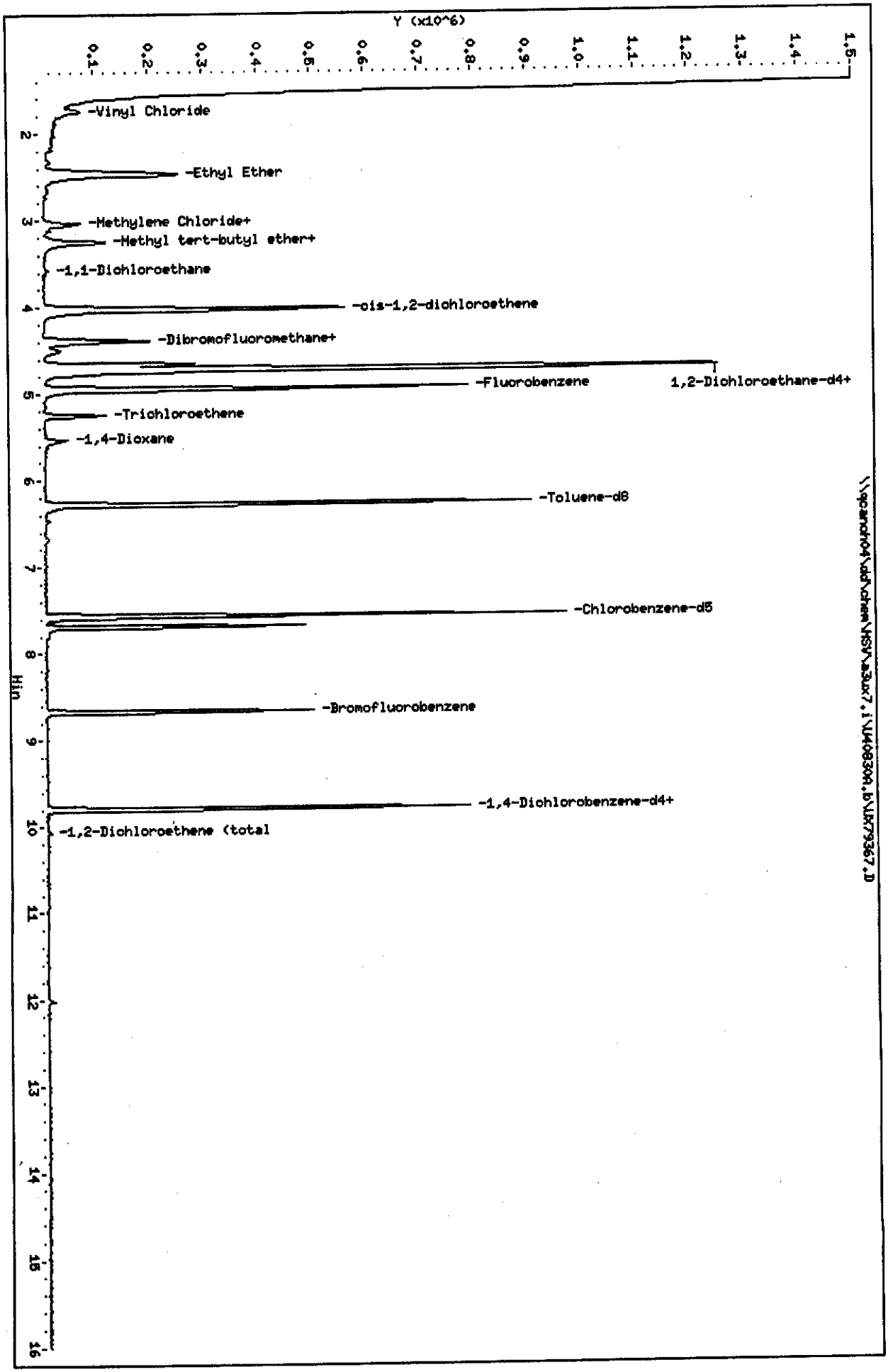
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
Isobutanol	ND	100	ug/L
Methacrylonitrile	ND	4.0	ug/L
Methylene chloride	**2.6 B**	**2.0**	**ug/L**
Methyl methacrylate	ND	4.0	ug/L
4-Methyl-2-pentanone	ND	20	ug/L
Propionitrile	ND	8.0	ug/L
Styrene	ND	2.0	ug/L
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Tetrachloroethene	ND	2.0	ug/L
Toluene	ND	2.0	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Trichloroethene	**3.8**	**2.0**	**ug/L**
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	2.0	ug/L
Vinyl acetate	ND	4.0	ug/L
Vinyl chloride	**5.5**	**2.0**	**ug/L**
Xylenes (total)	ND	4.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	85	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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


Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\U406300.b\UX79367.D
Date : 30-AUG-2004 11:56
Client ID: MW031D/081804
Sample Info: GN5Q1AA,2.5ML/5ML
Purge Volume: 2.5
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
\\qcandh04\dd\chem\HSV\a3ux7.i\U406300.b\UX79367.D
Y (x10^6)
Min
-Vinyl Chloride
-Ethyl Ether
-Methylene Chloride+
-Methyl tert-butyl ether+
-1,1-Dichloroethane
-cis-1,2-dichloroethene
-Dibromofluoromethane+
-Fluorobenzene
1,2-Dichloroethane-d4+
-Trichloroethene
-1,4-Dioxane
-Toluene-d8
-Chlorobenzene-d5
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dichloroethene (total

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79367.D
Report Date: 31-Aug-2004 09:59

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79367.D
Lab Smp Id: GNG5Q1AA
Client Smp ID: MW031D/081804
Inj Date : 30-AUG-2004 11:56
Operator : 1754
Inst ID: a3ux7.i
Smp Info : GNG5Q1AA,2.5ML/5ML
Misc Info : U40830A,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\N8260UX7-3.m
Meth Date : 31-Aug-2004 09:54 roachc
Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56
Cal File: UX77665.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	2.500	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 1 Fluorobenzene	96	4.940	4.952	(1.000)	871626	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.579	(1.000)	547780	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.791	(1.000)	199083	50.0000	
$ 4 Dibromofluoromethane	113	4.384	4.396	(0.887)	177526	45.7554	18.302
$ 5 1,2-Dichloroethane-d4	65	4.656	4.668	(0.943)	317081	54.5897	21.836
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	678263	48.0383	19.215
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	191739	42.5891	17.036
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.745	1.757	(0.353)	92449	13.7348	5.494
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\U40830A.b\UX79367.D
Report Date: 31-Aug-2004 09:59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	3.035	3.035	(0.614)	50280	6.39341	2.557
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	3.248	3.248	(0.658)	99022	8.67608	3.470
	25 trans-1,2-Dichloroethene	96	3.260	3.248	(0.660)	37760	7.63116	3.052
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.579	3.579	(0.725)	9514	1.06016	0.4241
	29 tert-Butyl Alcohol	59	3.082	3.094	(0.624)	985	36.4537	14.581
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				421488	86.4638	34.586
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.816)	383728	78.8327	31.533
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	4.727	4.739	(0.957)	1183398	158.652	63.461
	41 Benzene	78	4.727	4.739	(0.957)	193056	9.32379	3.730
	42 Trichloroethene	130	5.248	5.260	(1.062)	39800	9.44045	3.776
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.532	5.544	(1.120)	45630	1321.85	528.74(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79367.D
Report Date: 31-Aug-2004 09:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	5709	0.97399	0.3896
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.467	2.466	(0.499)	349251	83.4398	33.376
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	4.490	4.502	(0.909)	23731	6.58489	2.634
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qoanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79367.D

Date : 30-AUG-2004 11:56

Client ID: MW031D/081804

Instrument: a3ux7.i

Sample Info: CNC5Q1AA,2.5ML/5ML

Purge Volume: 2.5

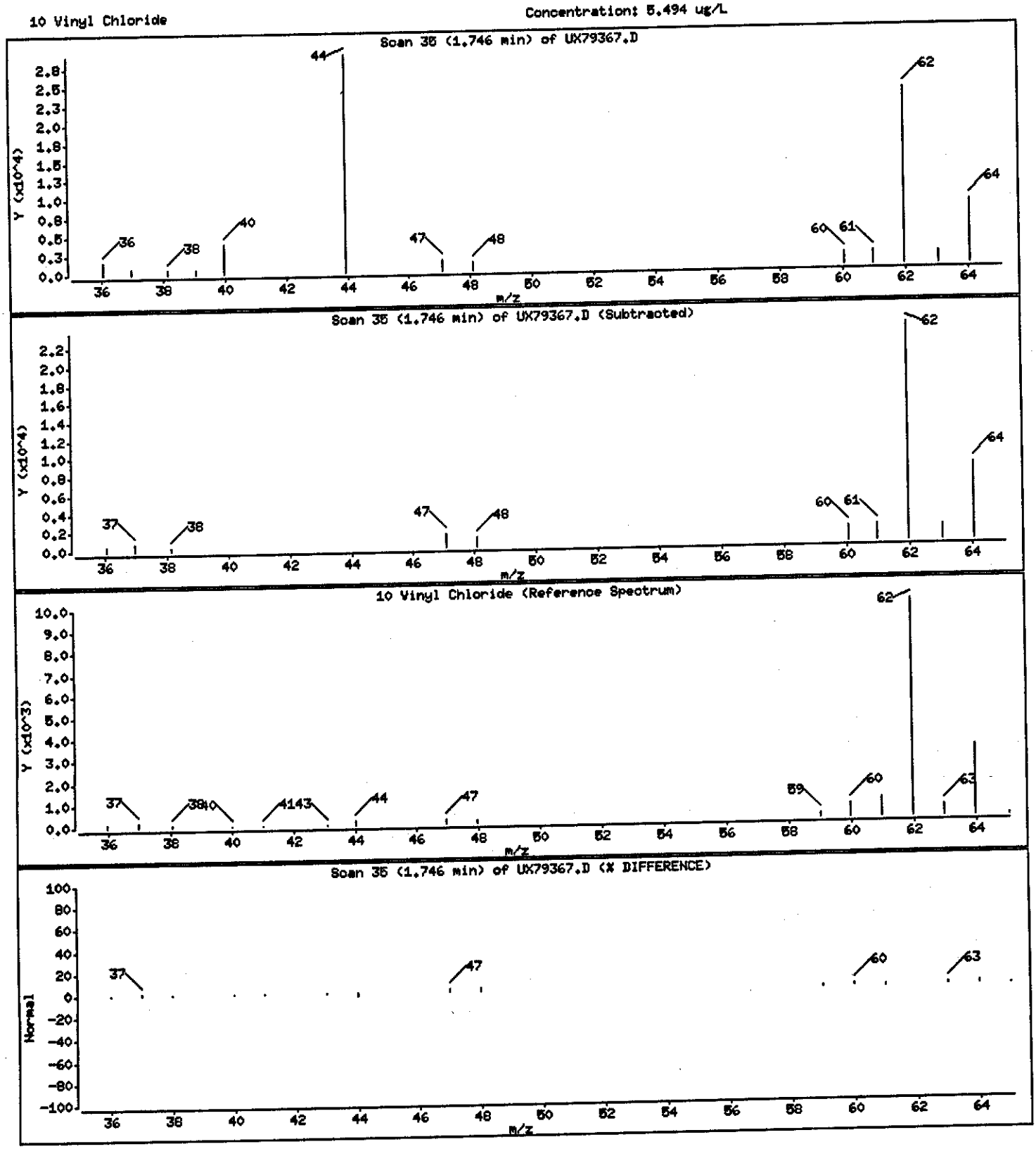
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

10 Vinyl Chloride

Concentration: 5.494 ug/L



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Date : 30-AUG-2004 11:56

Client ID: MW031D/081804

Instrument: a3ux7.i

Sample Info: GNC5Q1AA,2.5ML/5ML

Operator: 1754

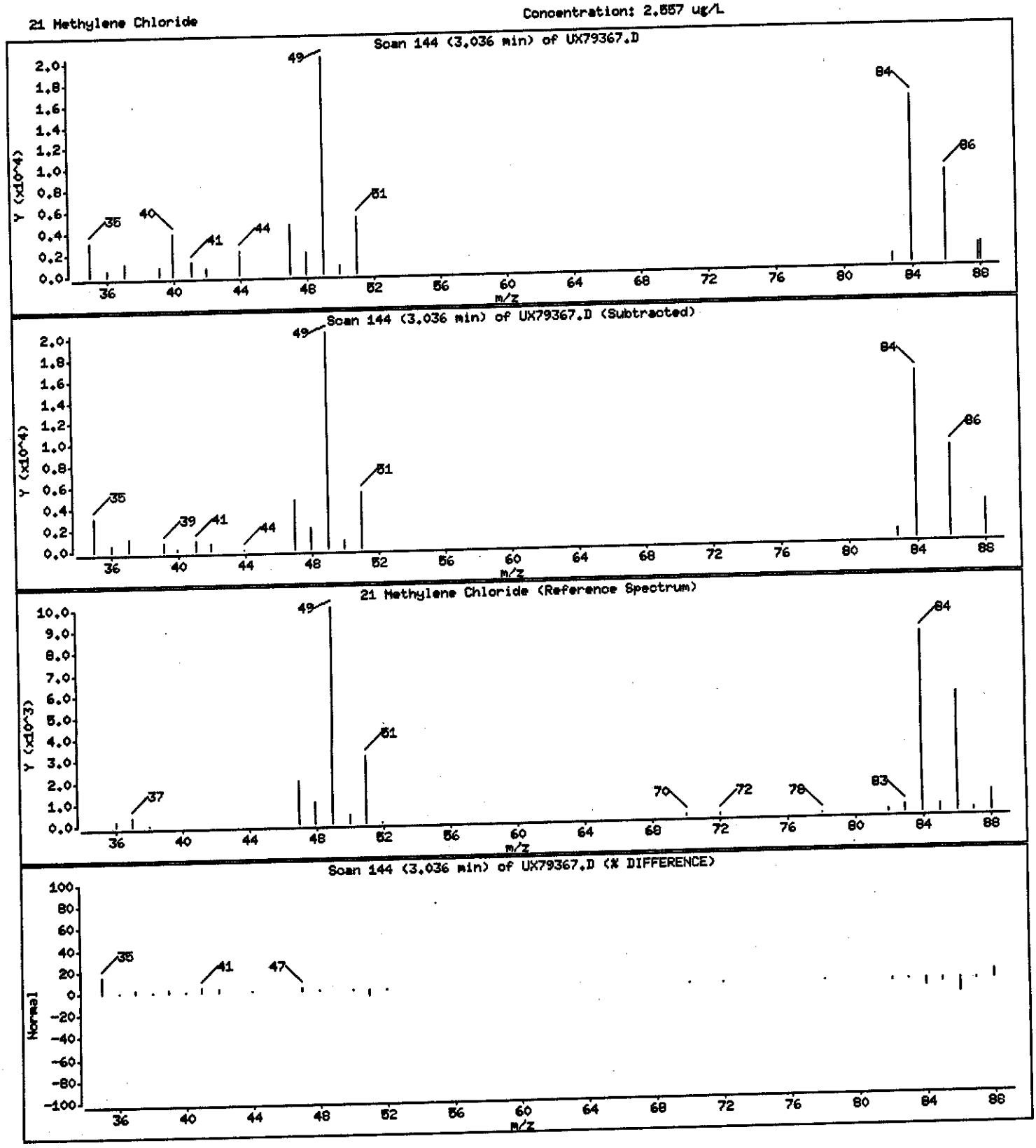
Purge Volume: 2.5

Column phase: DB624 20m

Column diameter: 0.18

Concentration: 2.557 ug/L

21 Methylene Chloride



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Date : 30-AUG-2004 11:56

Client ID: MW031D/081804

Instrument: a3ux7.i

Sample Info: CNC5Q1AA,2.5ML/5ML

Purge Volume: 2.5

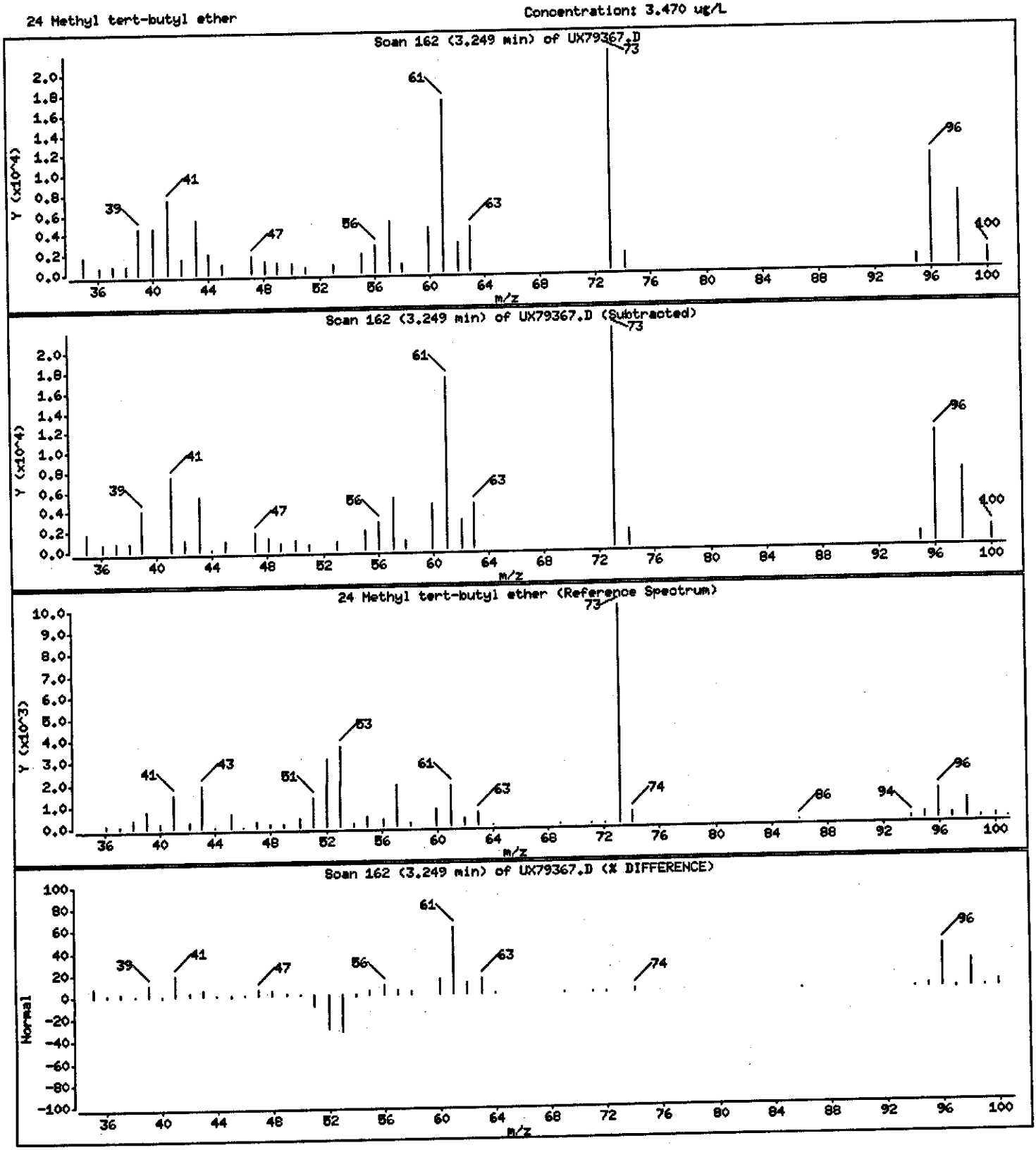
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

24 Methyl tert-butyl ether

Concentration: 3.470 ug/L



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Date : 30-AUG-2004 11:56

Client ID: MW031D/081804

Instrument: a3ux7.i

Sample Info: GNC5Q1AA,2.5ML/5ML

Purge Volume: 2.5

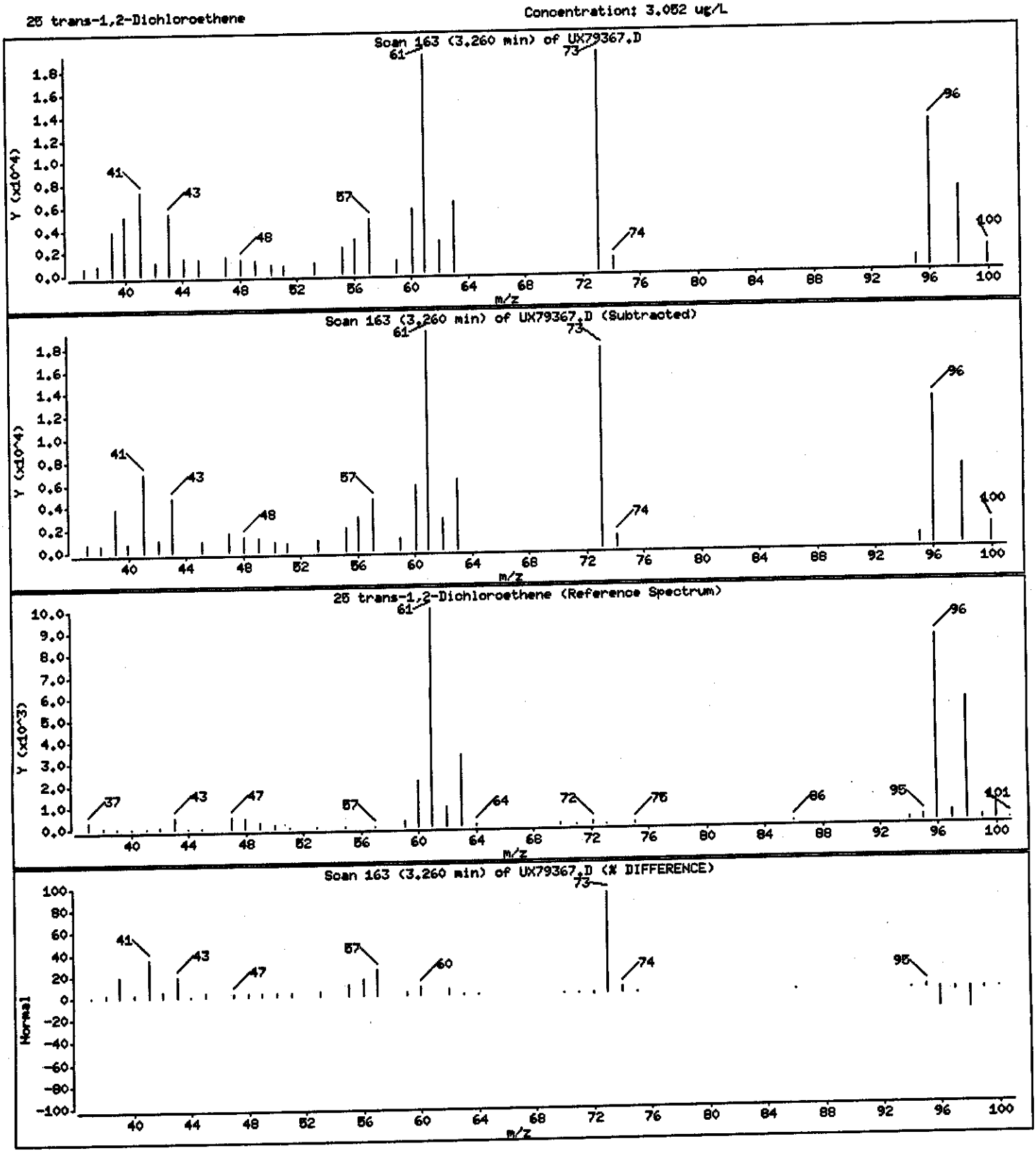
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

25 trans-1,2-Dichloroethene

Concentration: 3.052 ug/L



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Date : 30-AUG-2004 11:56

Client ID: MW031D/081804

Instrument: a3ux7.i

Sample Info: GNC5Q1AA,2.5ML/5ML

Purge Volume: 2.5

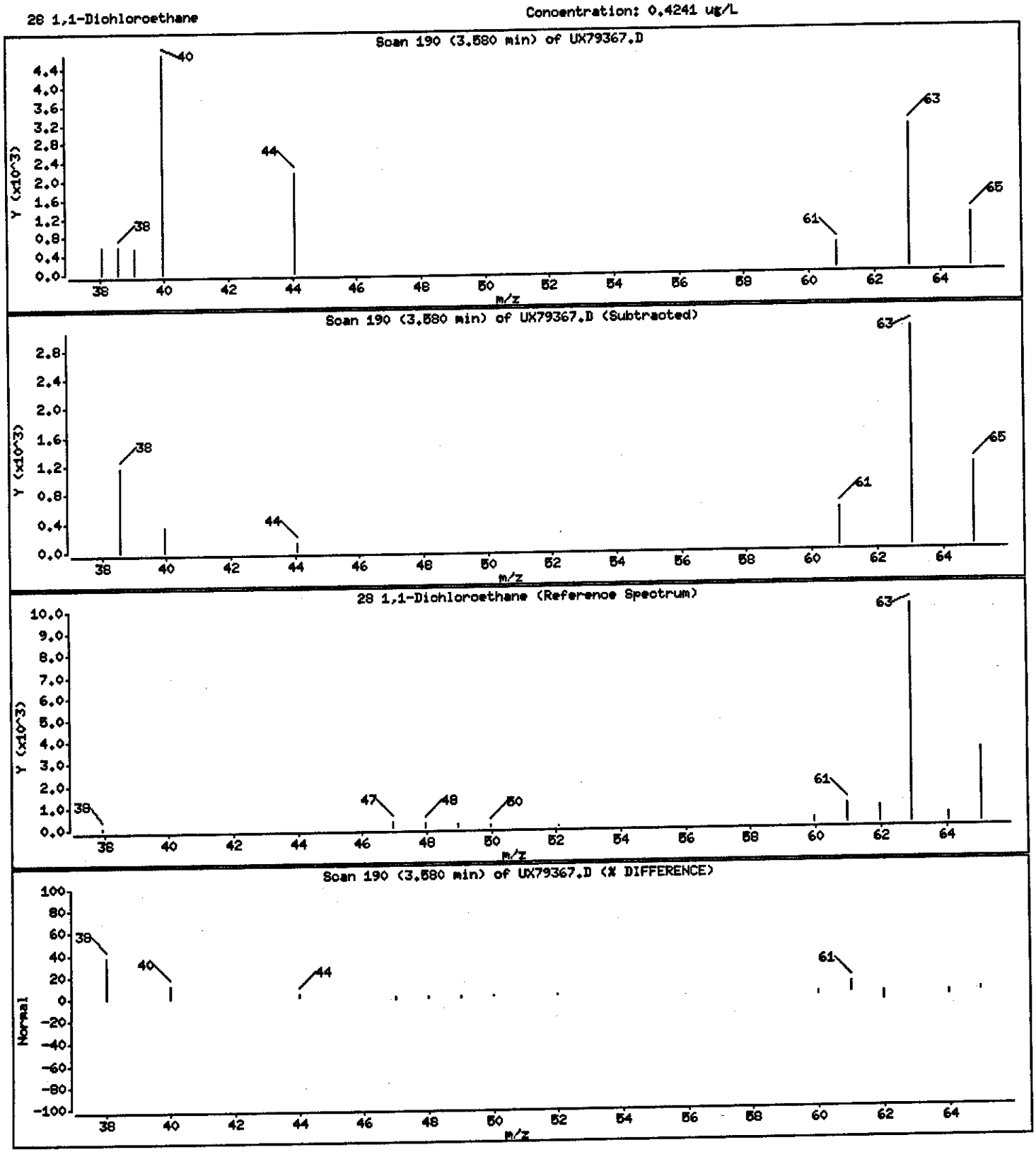
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

28 1,1-Dichloroethane

Concentration: 0.4241 ug/L



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Date : 30-AUG-2004 11:56

Client ID: MW031D/081804

Instrument: a3ux7.i

Sample Info: GNC5Q1AA,2.5ML/5ML

Operator: 1754

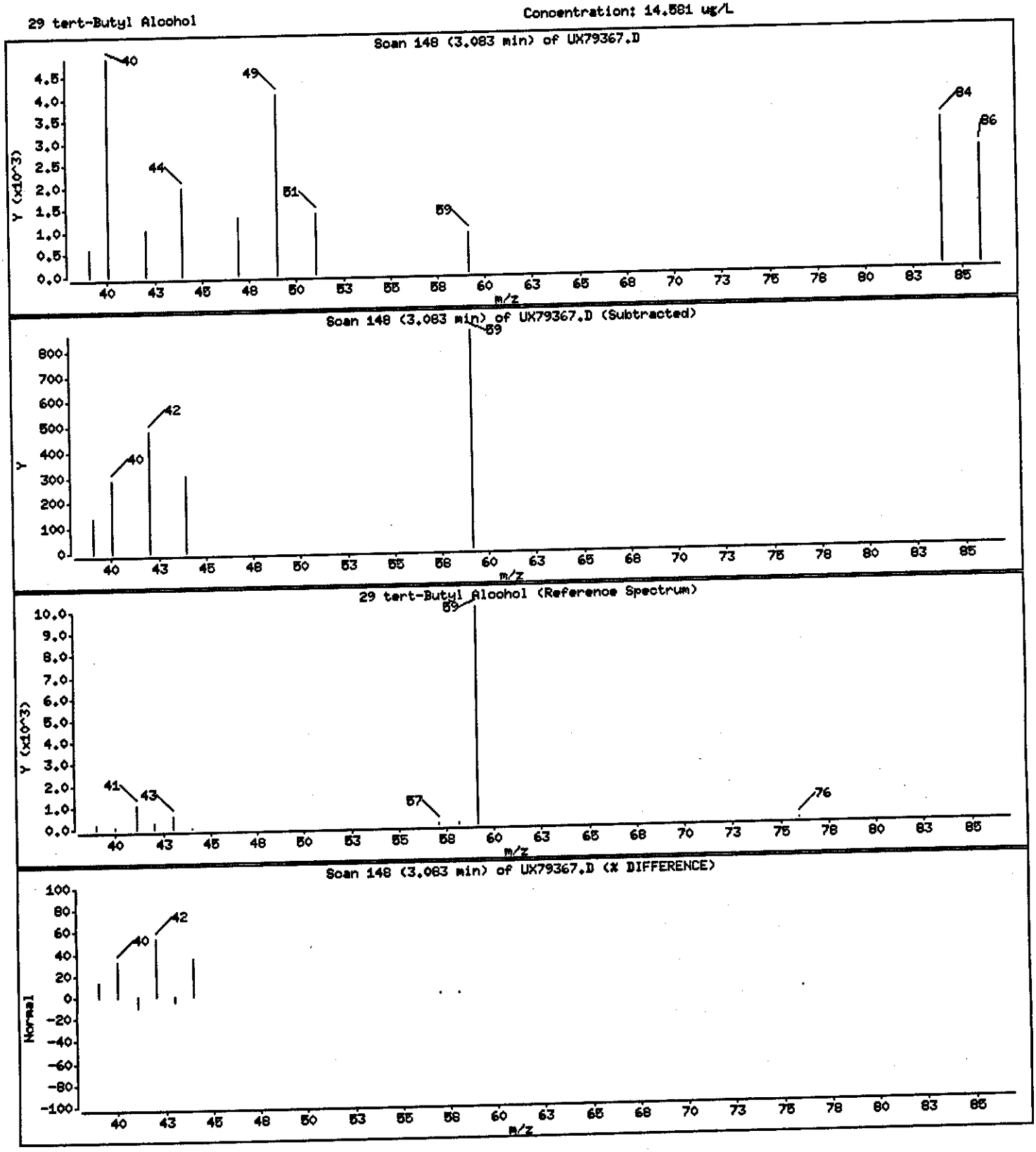
Purge Volume: 2.5

Column phase: DB624 20m

Column diameter: 0.18

Concentration: 14.581 ug/L

29 tert-Butyl Alcohol



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Date : 30-AUG-2004 11:56

Client ID: MW031D/081904

Instrument: a3ux7.i

Sample Info: GNC5Q1AA,2.5ML/5ML

Operator: 1754

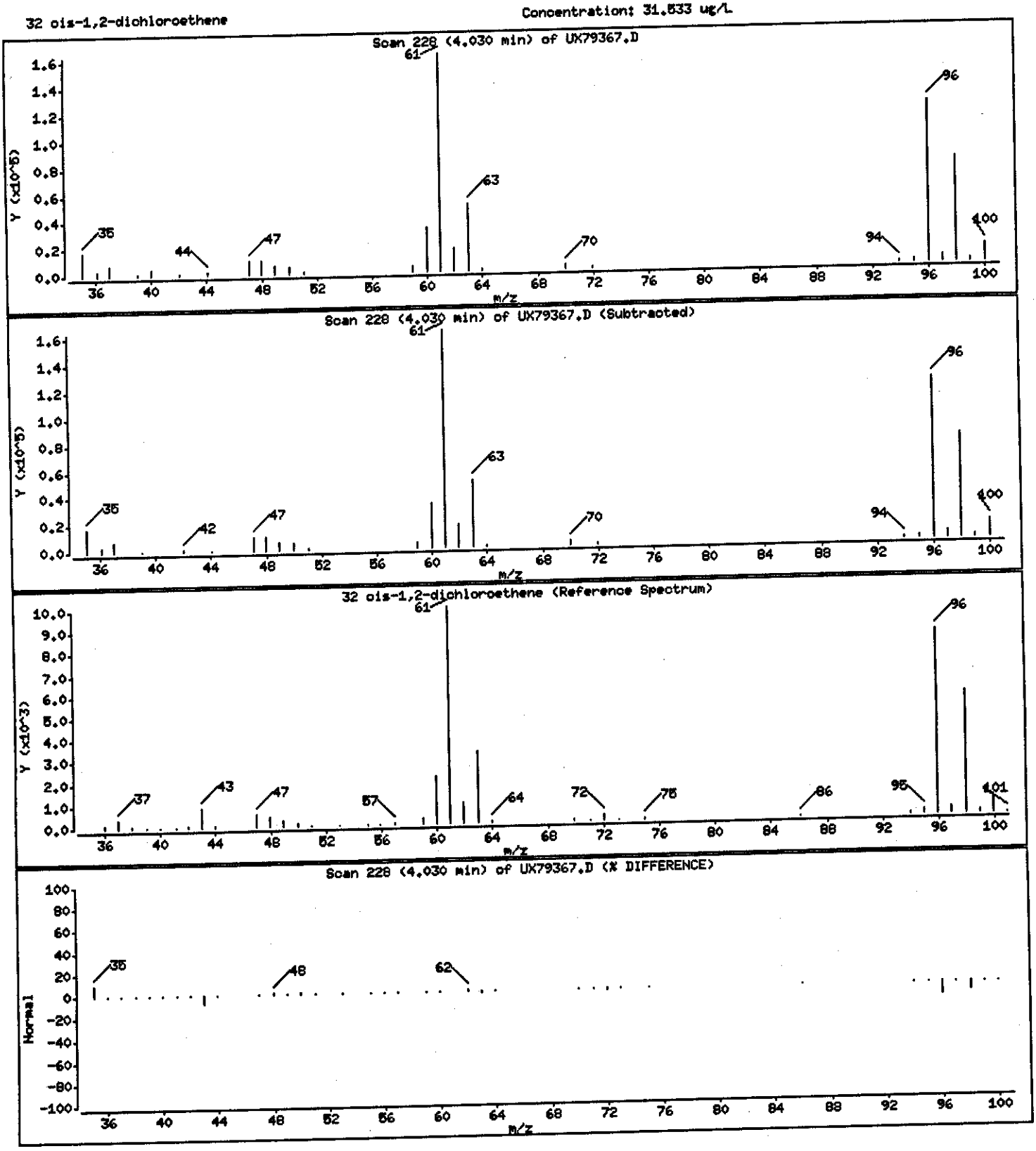
Purge Volume: 2.5

Column phase: DB624 20m

Column diameter: 0.18

Concentration: 31.533 ug/L

32 cis-1,2-dichloroethene



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Date : 30-AUG-2004 11:56

Client ID: MW031D/081804

Sample Info: GNC5Q1AA,2.5ML/5ML

Purge Volume: 2.5

Column phase: DB624 20m

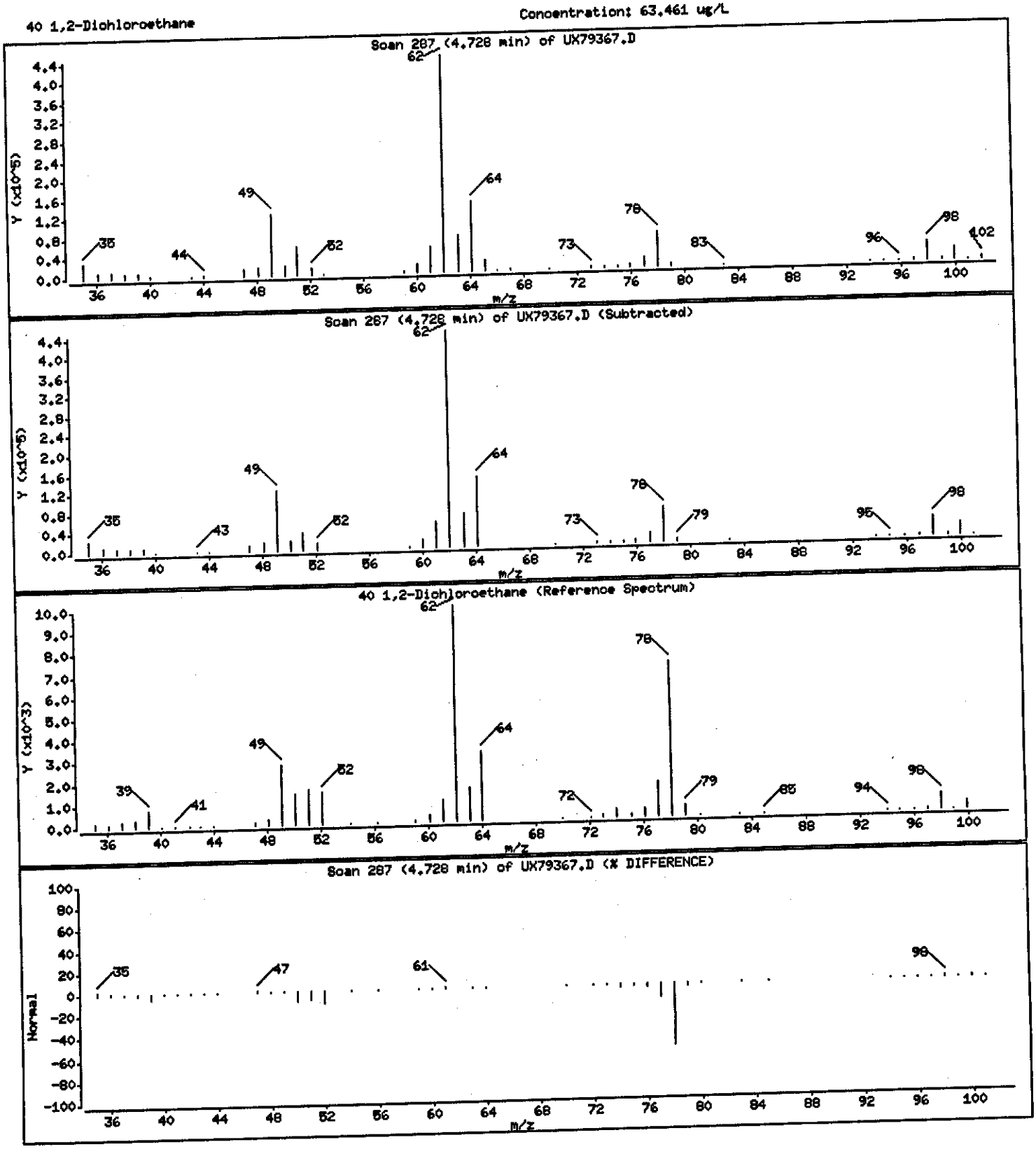
Instrument: a3ux7.i

Operator: 1754

Column diameter: 0.18

Concentration: 63.461 ug/L

40 1,2-Dichloroethane



Data File: \\qoanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79367.D

Date : 30-AUG-2004 11:56

Client ID: MW031D/081804

Instrument: a3ux7.i

Sample Info: GNG5Q1AA,2.5ML/5ML

Purge Volume: 2.5

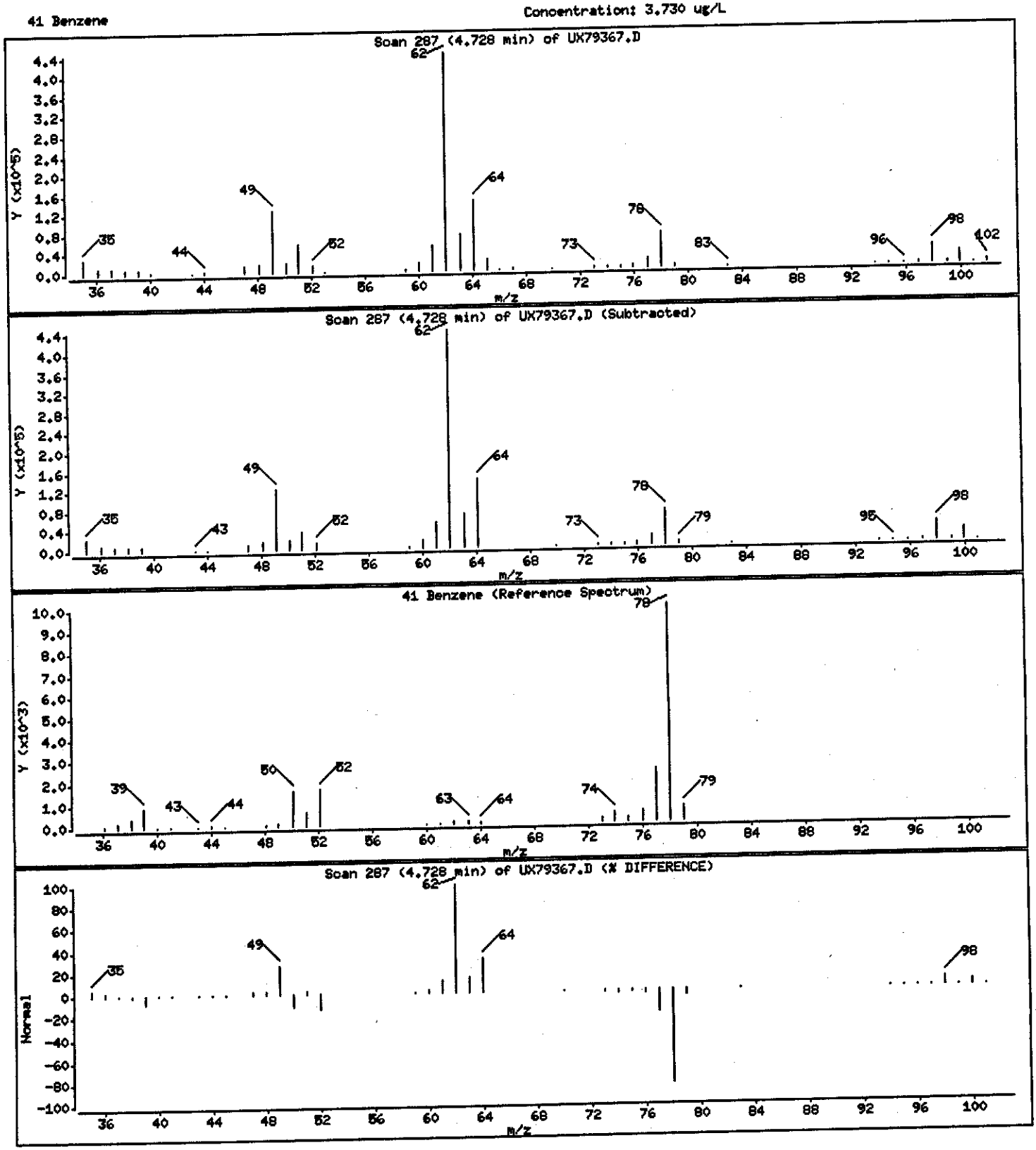
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

Concentration: 3.730 ug/L

41 Benzene



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Date : 30-AUG-2004 11:56

Client ID: MW031D/081804

Instrument: a3ux7.i

Sample Info: GNC5Q1AA,2.5ML/5ML

Operator: 1754

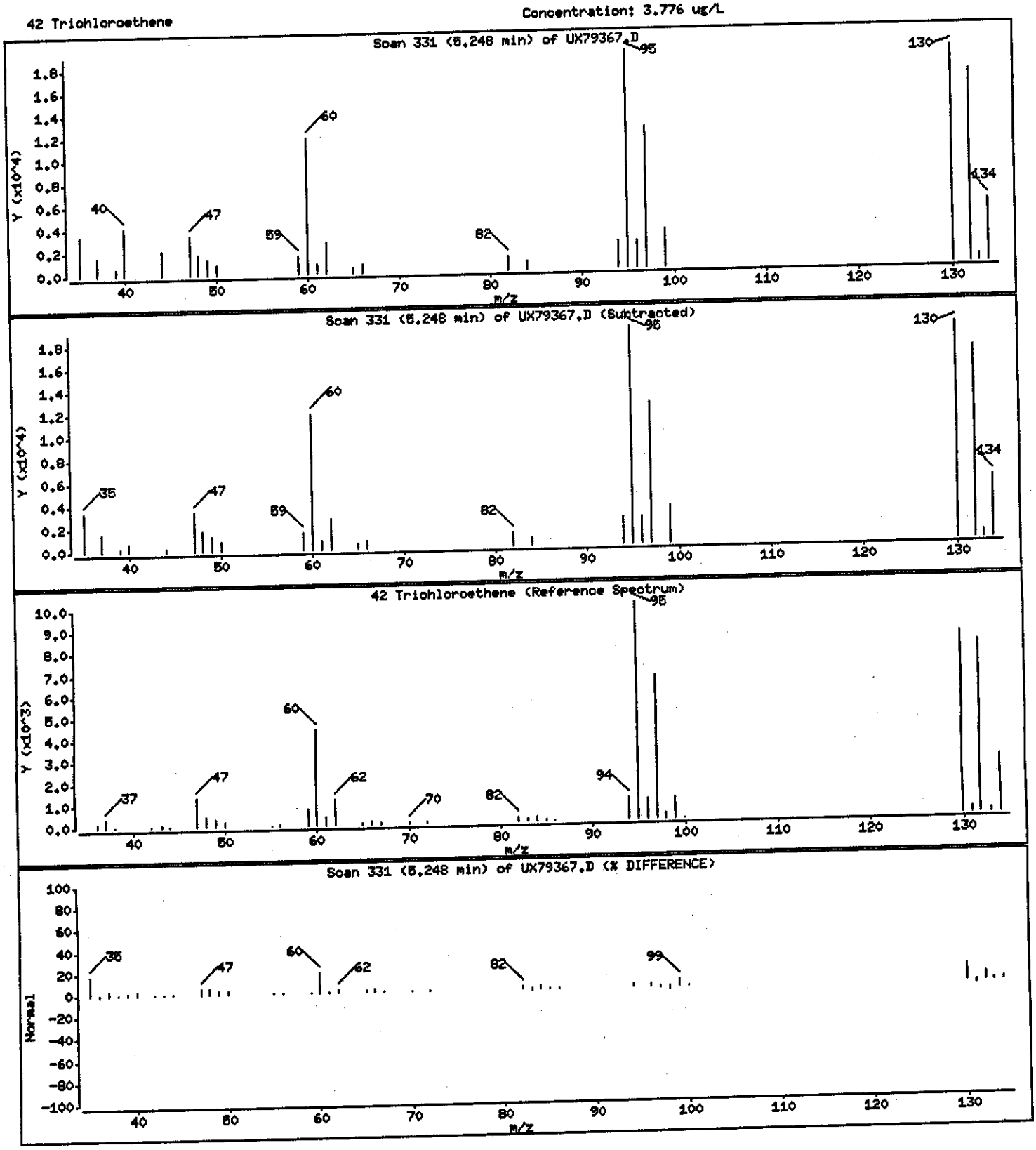
Purge Volume: 2.5

Column phase: DB624 20m

Column diameter: 0.18

Concentration: 3.776 ug/L

42 Trichloroethene



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Date : 30-AUG-2004 11:56

Client ID: MW031D/081804

Instrument: a3ux7.i

Sample Info: GNC5Q1AA,2.5ML/5ML

Purge Volume: 2.5

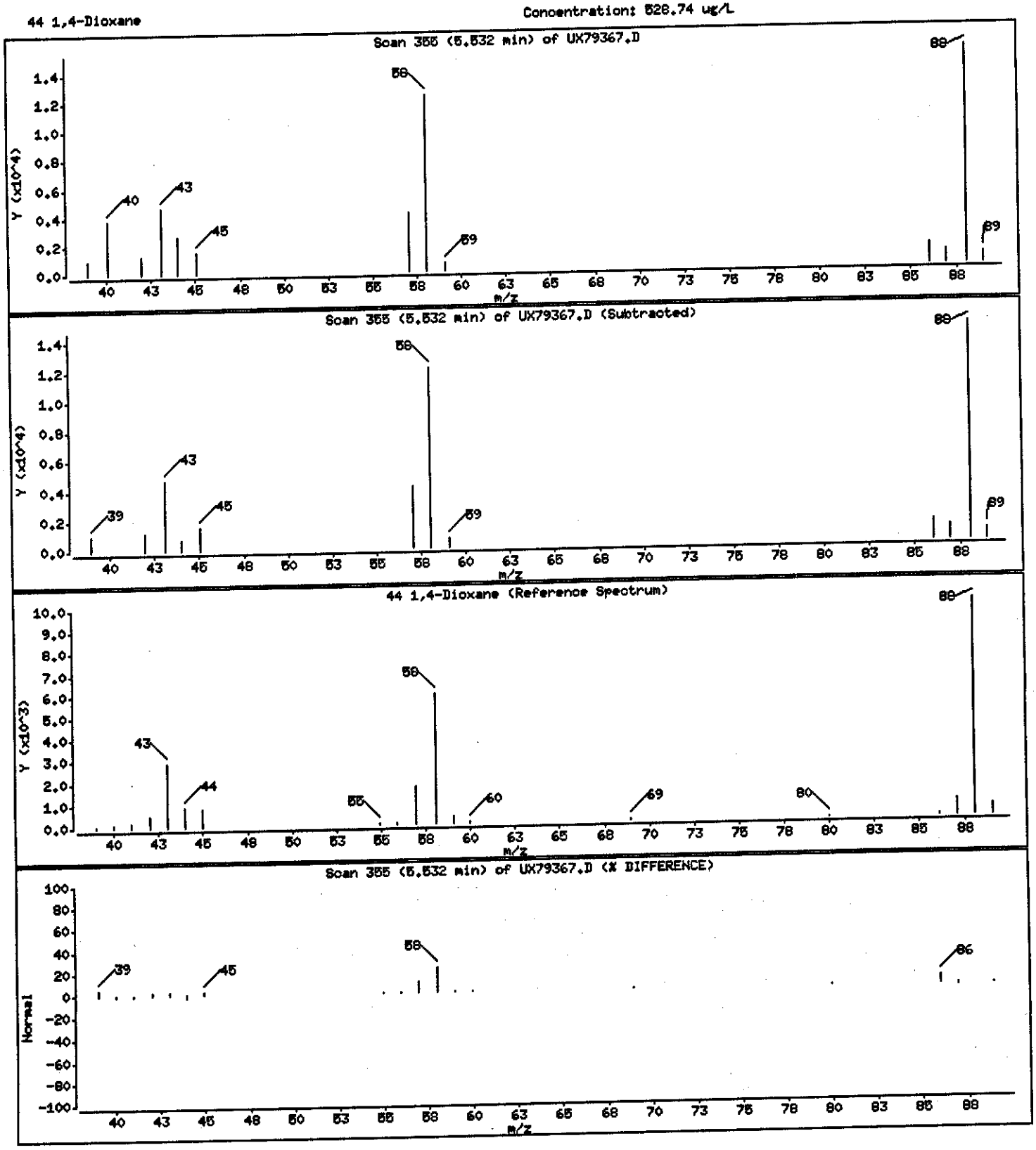
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

Concentration: 528.74 ug/L

44 1,4-Dioxane



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Date : 30-AUG-2004 11:56

Client ID: MW031D/081804

Instrument: a3ux7.i

Sample Info: GNG5Q1AA,2.5ML/5ML

Purge Volume: 2.5

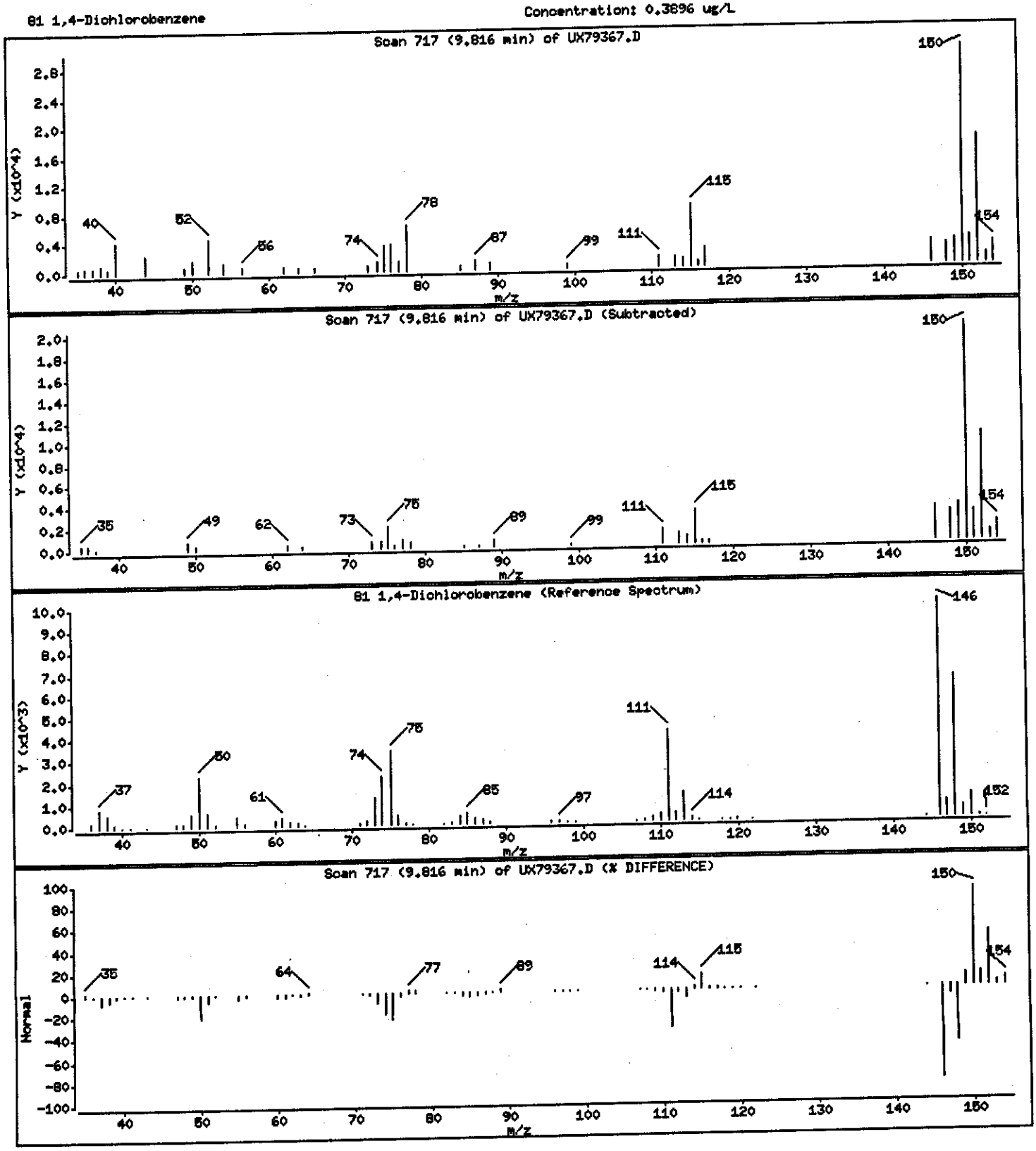
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

Concentration: 0.3896 ug/L

81 1,4-Dichlorobenzene



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Date : 30-AUG-2004 11:56

Client ID: MW031D/081804

Instrument: a3ux7.i

Sample Info: GNC5Q1AA,2.5ML/5ML

Purge Volume: 2.5

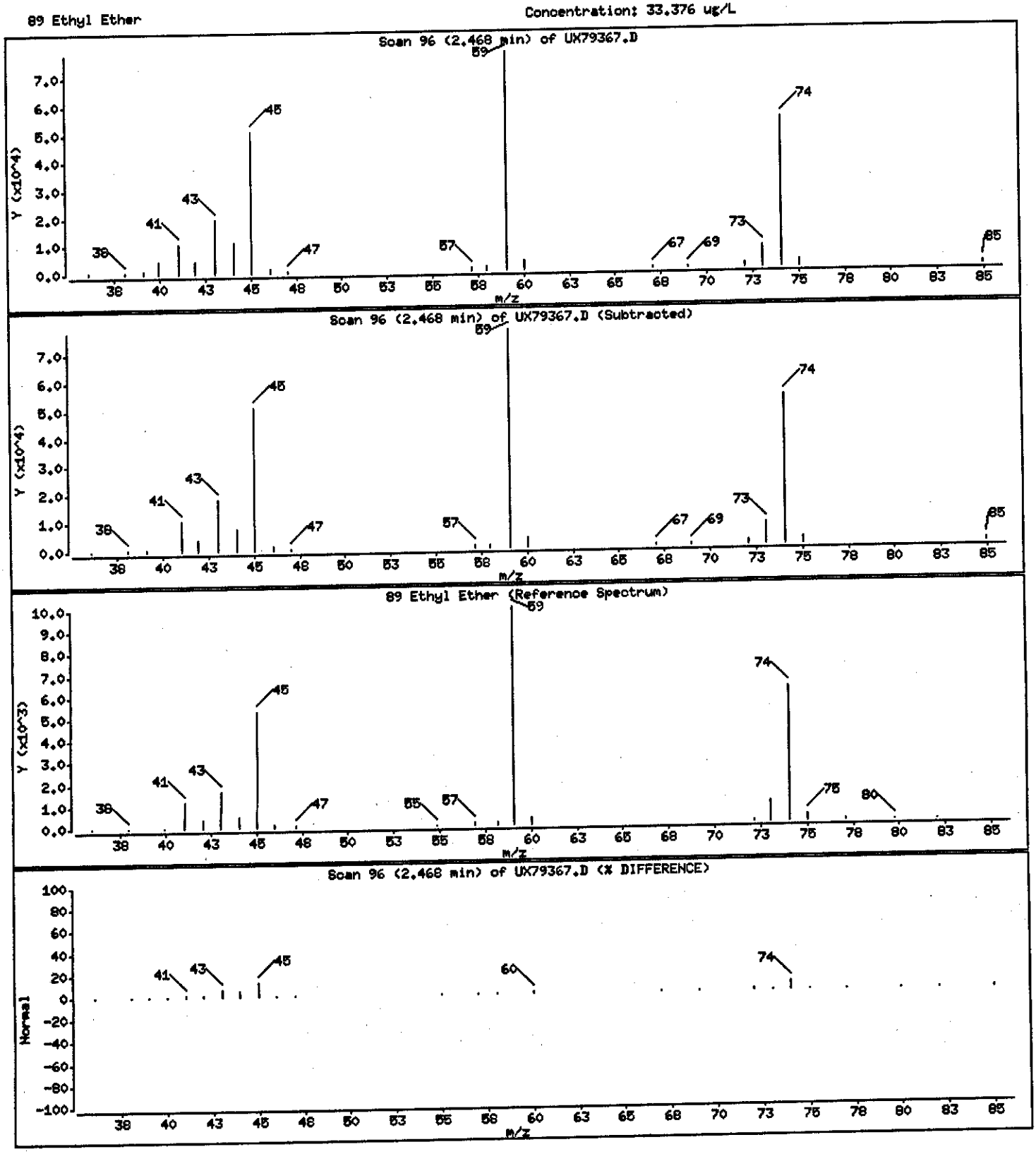
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

Concentration: 33.376 ug/L

89 Ethyl Ether



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Date : 30-AUG-2004 11:56

Client ID: MW031D/081804

Instrument: a3ux7.i

Sample Info: GNC5Q1AA,2.5ML/5ML

Purge Volume: 2.5

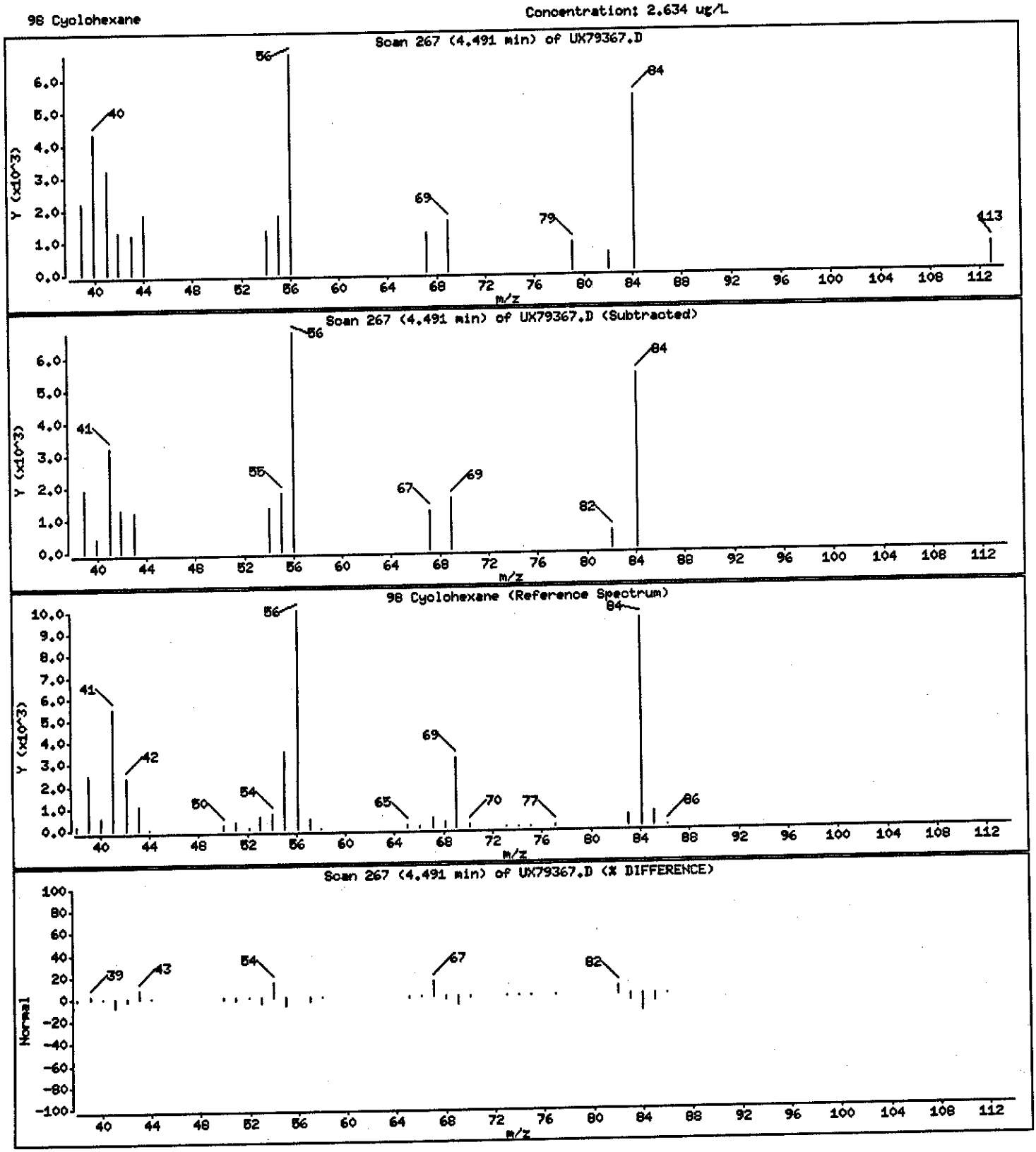
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

98 Cyclohexane

Concentration: 2.634 ug/L



PAYNE FIRM INC.

Client Sample ID: MW031C/081804

GC/MS Volatiles

Lot-Sample #...: A4H190207-008 **Work Order #...:** GNG5R1AA **Matrix.....:** WG
Date Sampled...: 08/18/04 09:55 **Date Received..:** 08/19/04
Prep Date.....: 08/28/04 **Analysis Date..:** 08/28/04
Prep Batch #...: 4243253
Dilution Factor: 28.57 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	290	ug/L
Acetonitrile	ND	570	ug/L
Acrolein	ND	570	ug/L
Acrylonitrile	ND	570	ug/L
Benzene	**18 J**	**29**	**ug/L**
Bromodichloromethane	ND	29	ug/L
Bromoform	ND	29	ug/L
Bromomethane	ND	29	ug/L
2-Butanone	ND	290	ug/L
Carbon disulfide	ND	29	ug/L
Carbon tetrachloride	ND	29	ug/L
Chlorobenzene	ND	29	ug/L
Chloroprene	ND	57	ug/L
Dibromochloromethane	ND	29	ug/L
Chloroethane	ND	29	ug/L
Chloroform	ND	29	ug/L
Chloromethane	ND	29	ug/L
3-Chloropropene	ND	57	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	57	ug/L
1,2-Dibromoethane	ND	29	ug/L
Dibromomethane	ND	29	ug/L
trans-1,4-Dichloro-2-butene	ND	29	ug/L
1,1-Dichloroethane	**18 J**	**29**	**ug/L**
1,2-Dichloroethane	**720**	**29**	**ug/L**
cis-1,2-Dichloroethene	**16 J**	**29**	**ug/L**
trans-1,2-Dichloroethene	ND	29	ug/L
1,1-Dichloroethene	ND	29	ug/L
1,2-Dichloroethene (total)	**16 J**	**57**	**ug/L**
Dichlorofluoromethane	ND	57	ug/L
1,2-Dichloropropane	ND	29	ug/L
cis-1,3-Dichloropropene	ND	29	ug/L
trans-1,3-Dichloropropene	ND	29	ug/L
1,4-Dioxane	**14000**	**1400**	**ug/L**
Ethylbenzene	ND	29	ug/L
Ethyl methacrylate	ND	29	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW031C/081804

GC/MS Volatiles

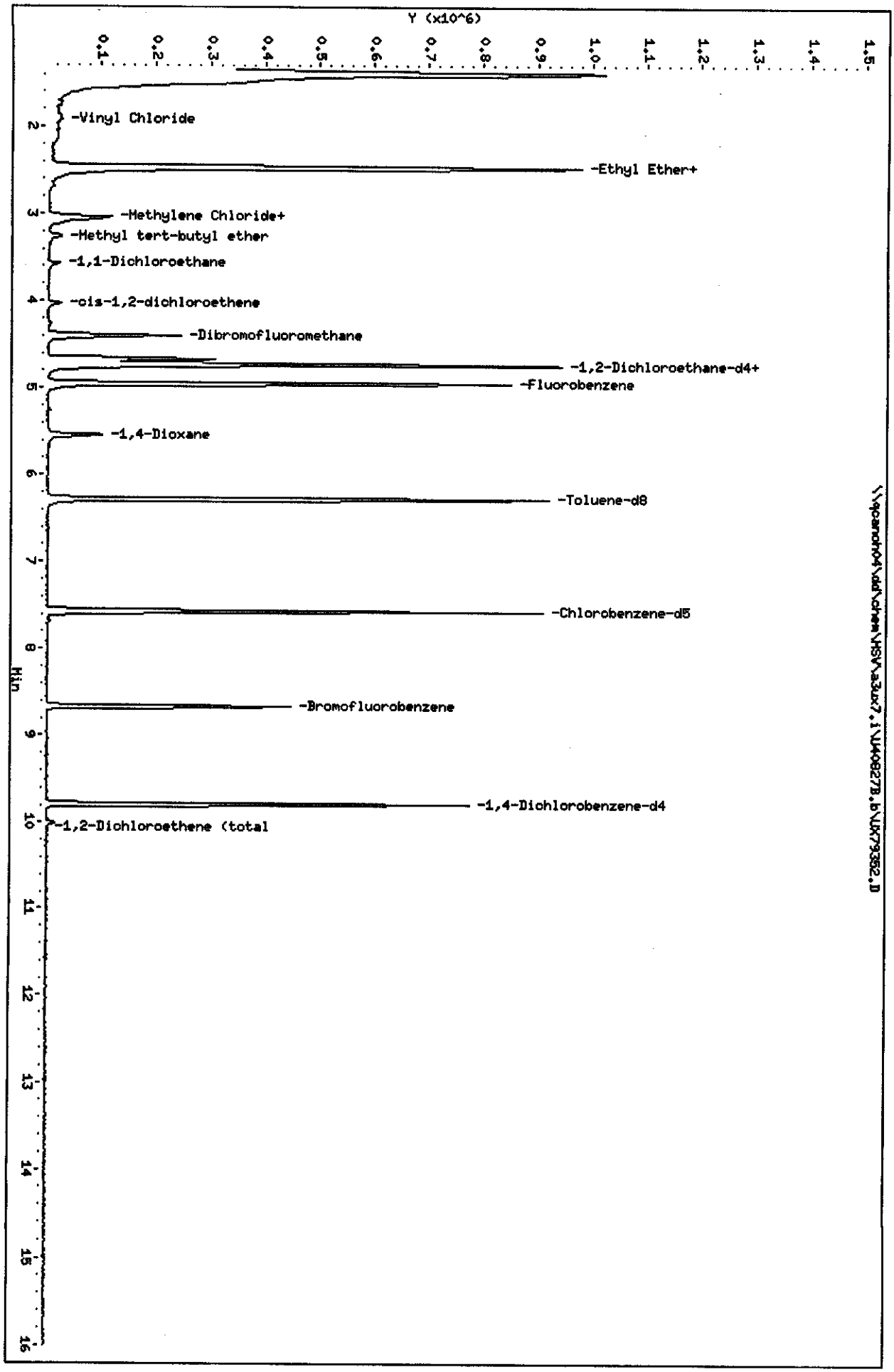
Lot-Sample #...: A4H190207-008 **Work Order #...:** GNG5R1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	290	ug/L
Iodomethane	ND	29	ug/L
Isobutanol	ND	1400	ug/L
Methacrylonitrile	ND	57	ug/L
Methylene chloride	**87**	**29**	**ug/L**
Methyl methacrylate	ND	57	ug/L
4-Methyl-2-pentanone	ND	290	ug/L
Propionitrile	ND	110	ug/L
Styrene	ND	29	ug/L
1,1,1,2-Tetrachloroethane	ND	29	ug/L
1,1,2,2-Tetrachloroethane	ND	29	ug/L
Tetrachloroethene	ND	29	ug/L
Toluene	ND	29	ug/L
1,1,1-Trichloroethane	ND	29	ug/L
1,1,2-Trichloroethane	ND	29	ug/L
Trichloroethene	ND	29	ug/L
Trichlorofluoromethane	ND	29	ug/L
1,2,3-Trichloropropane	ND	29	ug/L
Vinyl acetate	ND	57	ug/L
Vinyl chloride	**20 J**	**29**	**ug/L**
Xylenes (total)	ND	57	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40827B.b\UX79352.D
Date : 28-AUG-2004 03:52
Client ID: MW031C/081804
Sample Info: GNCSR1A4,0.175ML/5ML
Purge Volume: 0.2
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Vinyl Chloride
-Ethyl Ether+
-Methylene Chloride+
-Methyl tert-butyl ether
-1,1-Dichloroethane
-cis-1,2-dichloroethene
-Dibromofluoromethane
-1,2-Dichloroethane-d4+
-Fluorobenzene
-1,4-Dioxane
-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
\\qcanoh04\dd\chem\HSV\a3ux7.i\U40827B.b\UX79352.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79352.D
Report Date: 30-Aug-2004 12:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79352.D
Lab Smp Id: GNG5R1AA Client Smp ID: MW031C/081804
Inj Date : 28-AUG-2004 03:52
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNG5R1AA,0.175ML/5ML
Misc Info : U40827B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 30-Aug-2004 12:06 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.175	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.953	4.952	(1.000)	832990	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.567	(1.000)	552168	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	206150	50.0000	
$ 4 Dibromofluoromethane	113	4.397	4.396	(0.888)	183691	49.5404	283.09
$ 5 1,2-Dichloroethane-d4	65	4.669	4.668	(0.943)	269461	48.5430	277.39
$ 6 Toluene-d8	98	6.278	6.277	(0.830)	680836	47.8373	273.36
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	180038	39.6723	226.70
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.746	1.757	(0.353)	12012	3.47254	19.843
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79352.D
Report Date: 30-Aug-2004 12:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	3.048	3.035	(0.615)	94939	15.3059	87.462
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	3.261	3.248	(0.658)	30889	2.83195	16.182
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.568	3.568	(0.721)	26679	3.11077	17.776
	29 tert-Butyl Alcohol	59	3.107	3.094	(0.627)	16248	86.0565	491.75
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				13173	2.83177	16.182
	32 cis-1,2-dichloroethene	96	4.030	4.029	(0.814)	13173	2.83177	16.182
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	4.740	4.727	(0.957)	898086	125.986	719.92
	41 Benzene	78	4.740	4.739	(0.957)	61050	3.08521	17.630
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.545	5.532	(1.119)	87747	2515.46	14374(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79352.D
Report Date: 30-Aug-2004 12:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.468	2.467	(0.498)	905691	226.416	1293.8(A)
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	2.681	2.929	(0.541)	12967	4.02903	23.023
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

I am fit
cmk 4-30-04

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79352.D

Date : 28-AUG-2004 03:52

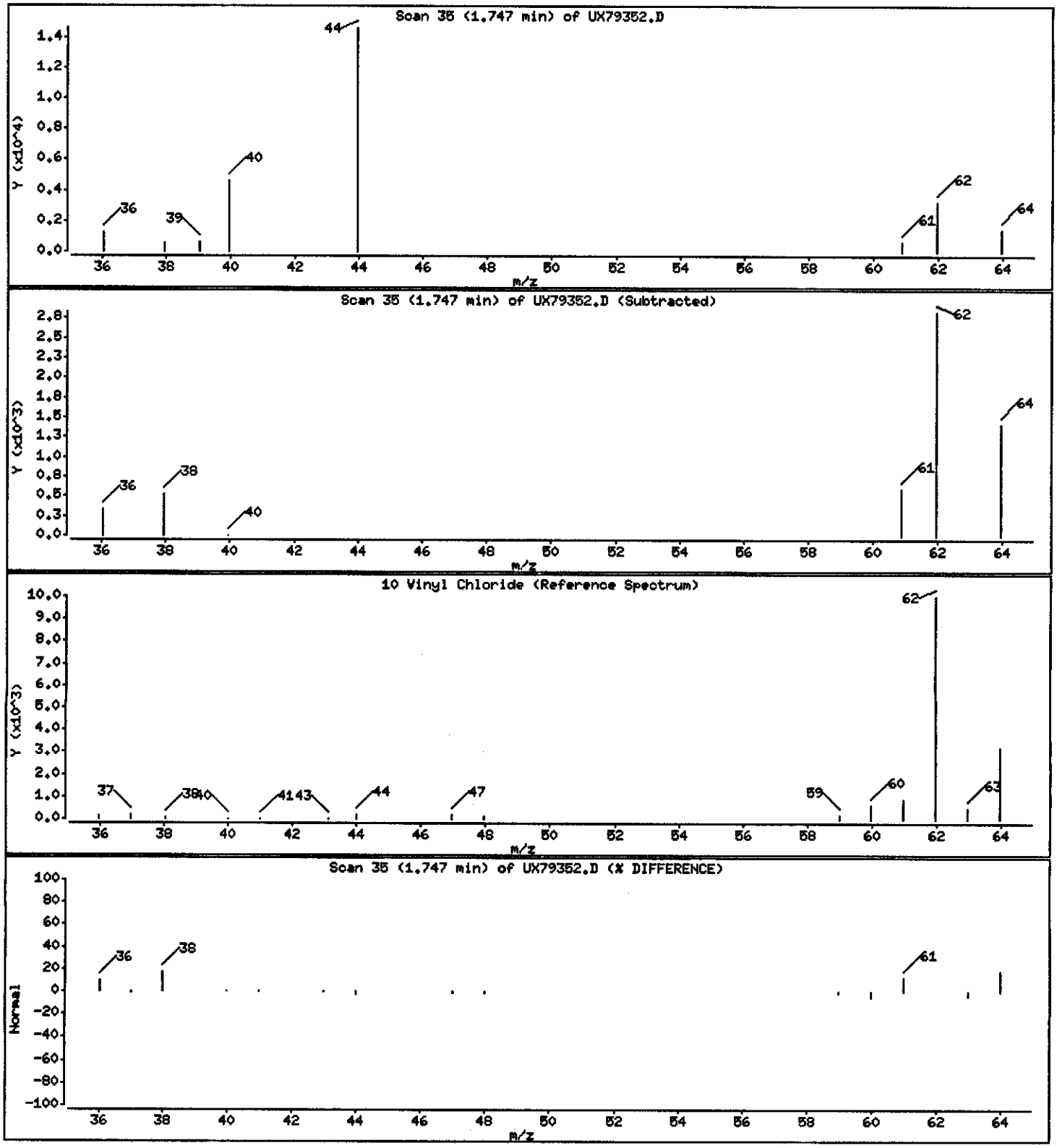
Client ID: MW031C/081804 Instrument: a3ux7.i

Sample Info: GNG5R1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

10 Vinyl Chloride Concentration: 19.843 ug/L



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Date : 28-AUG-2004 03:52

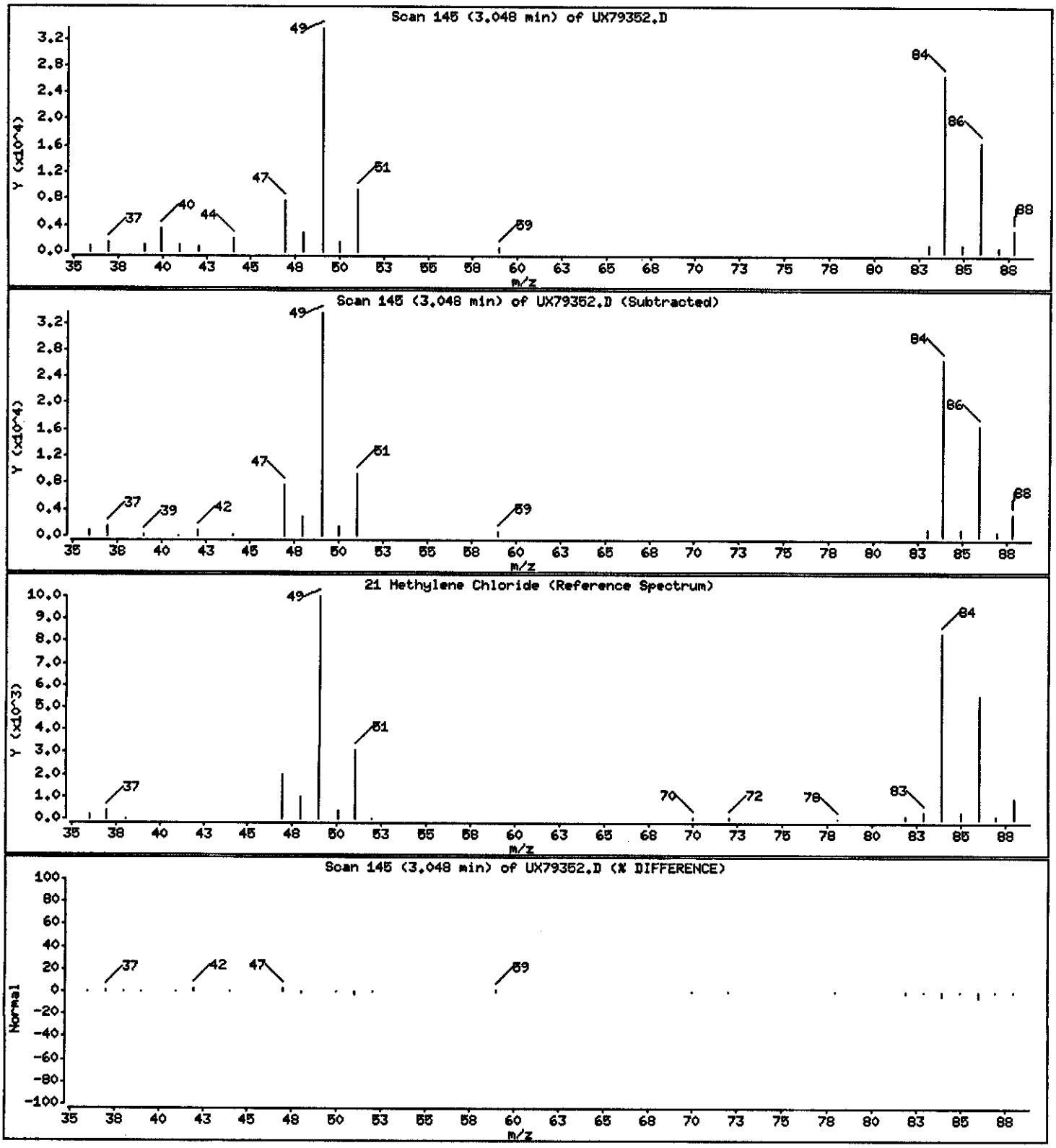
Client ID: MW031C/081804 Instrument: a3ux7.i

Sample Info: CNG5R1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

21 Methylene Chloride Concentration: 87.462 ug/L



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Date : 28-AUG-2004 03:52

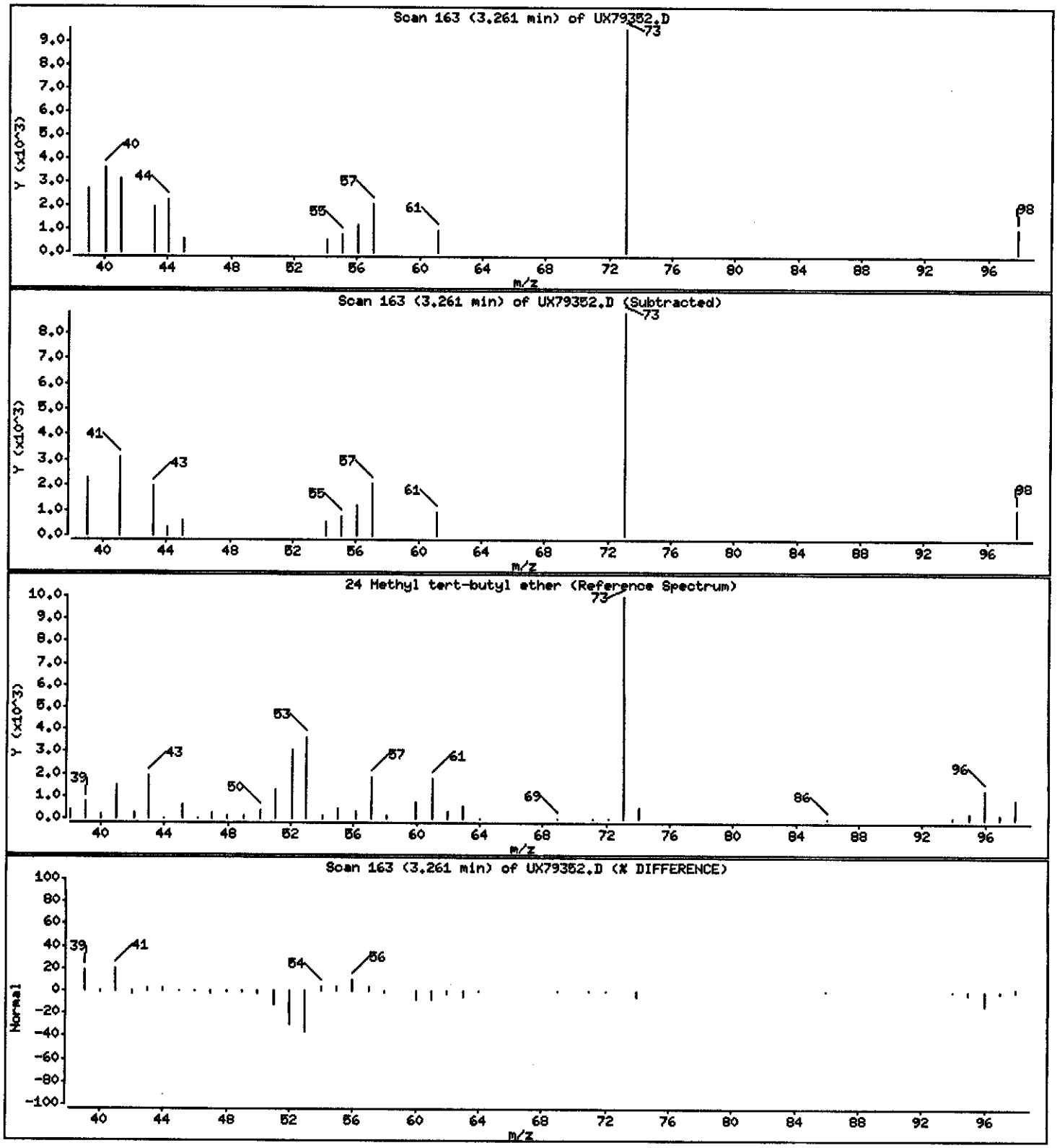
Client ID: MW031C/081804 Instrument: a3ux7.i

Sample Info: GNC5R1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

24 Methyl tert-butyl ether Concentration: 16.182 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79352.D

Date : 28-AUG-2004 03:52

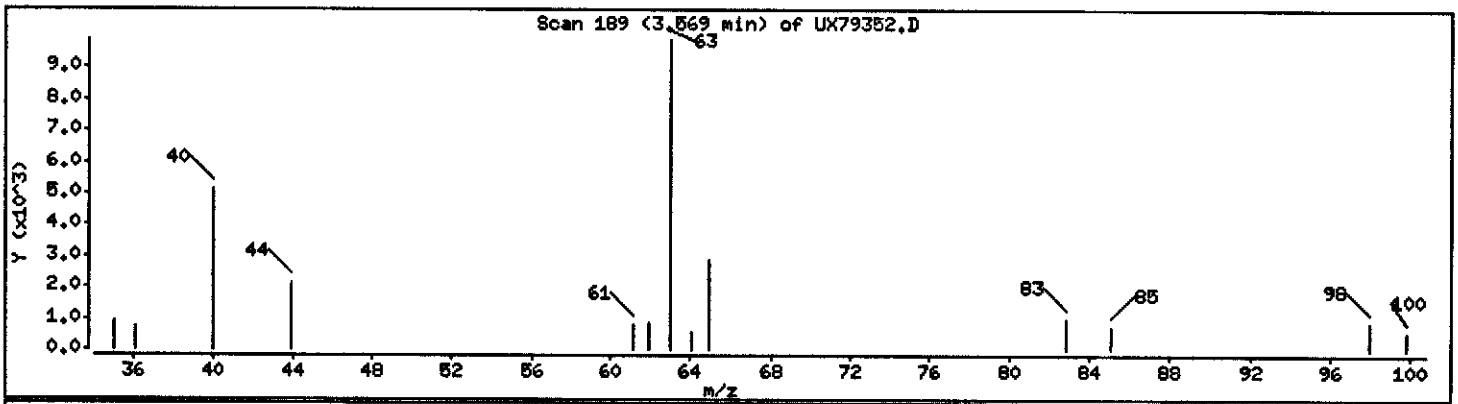
Client ID: MW031C/081804 Instrument: a3ux7.i

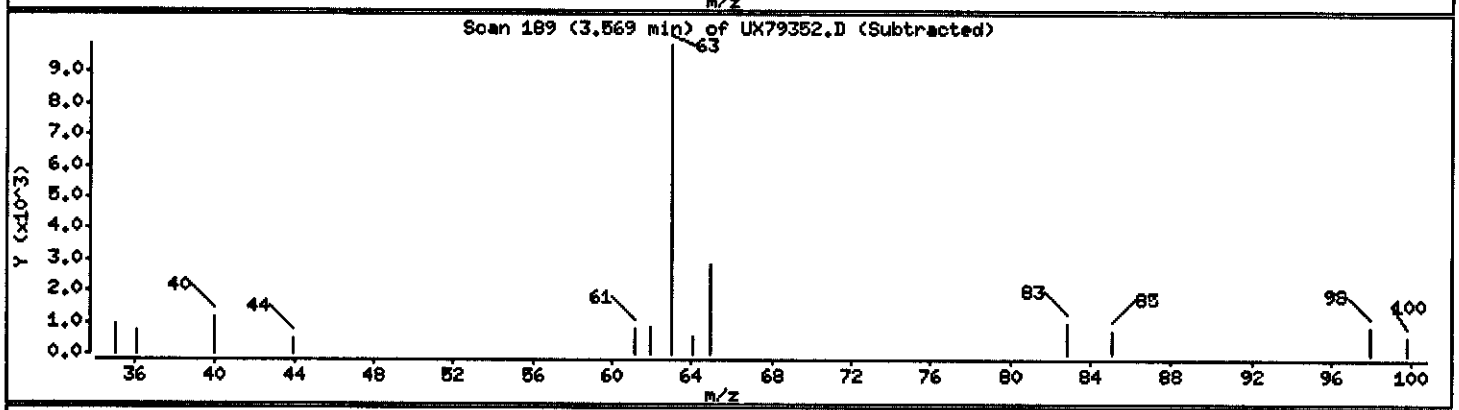
Sample Info: GNC5R1AA,0.175ML/5ML

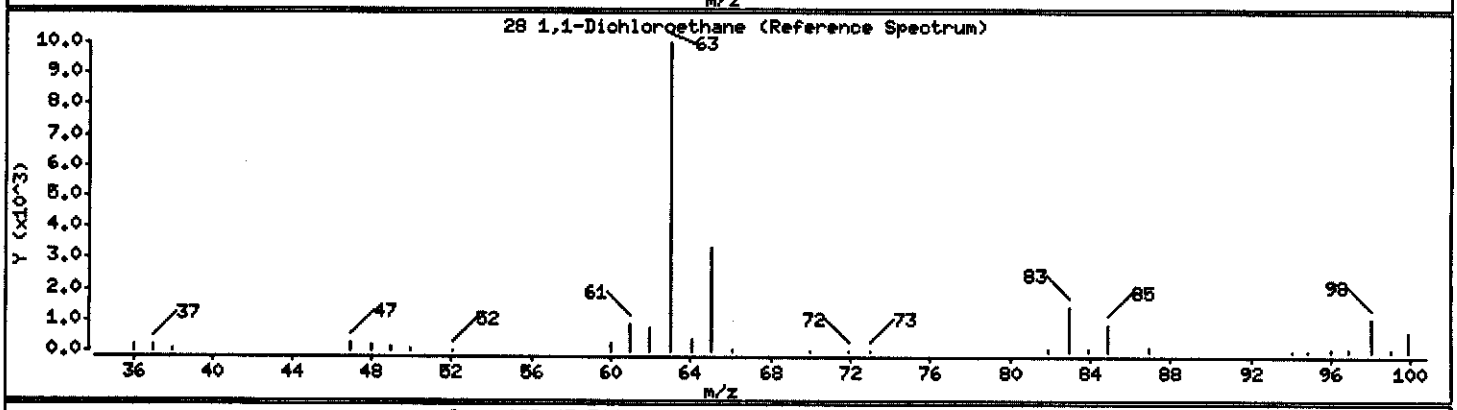
Purge Volume: 0.2 Operator: 1754

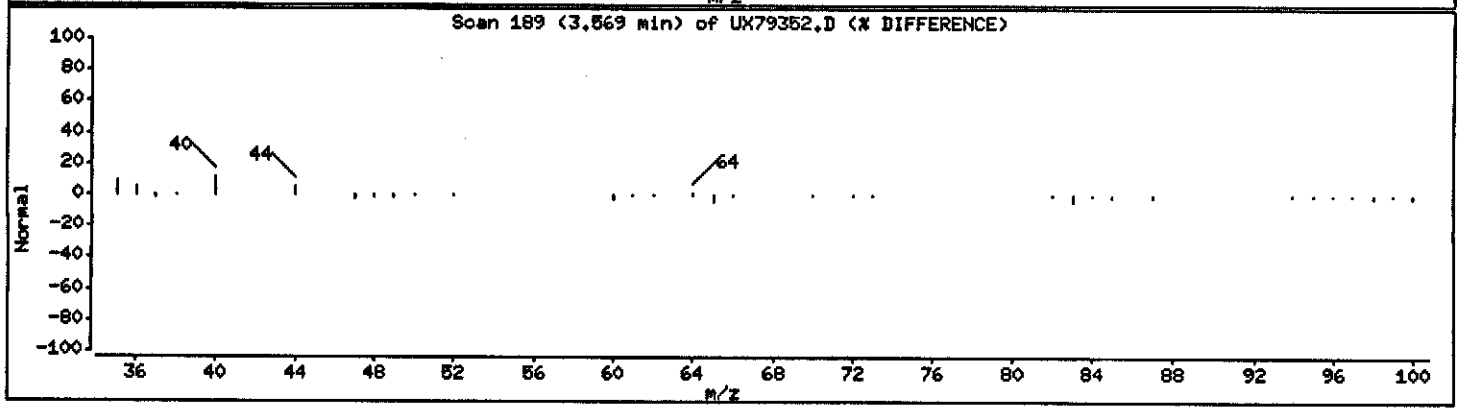
Column phase: DB624 20m Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 17.776 ug/L









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Date : 28-AUG-2004 03:52

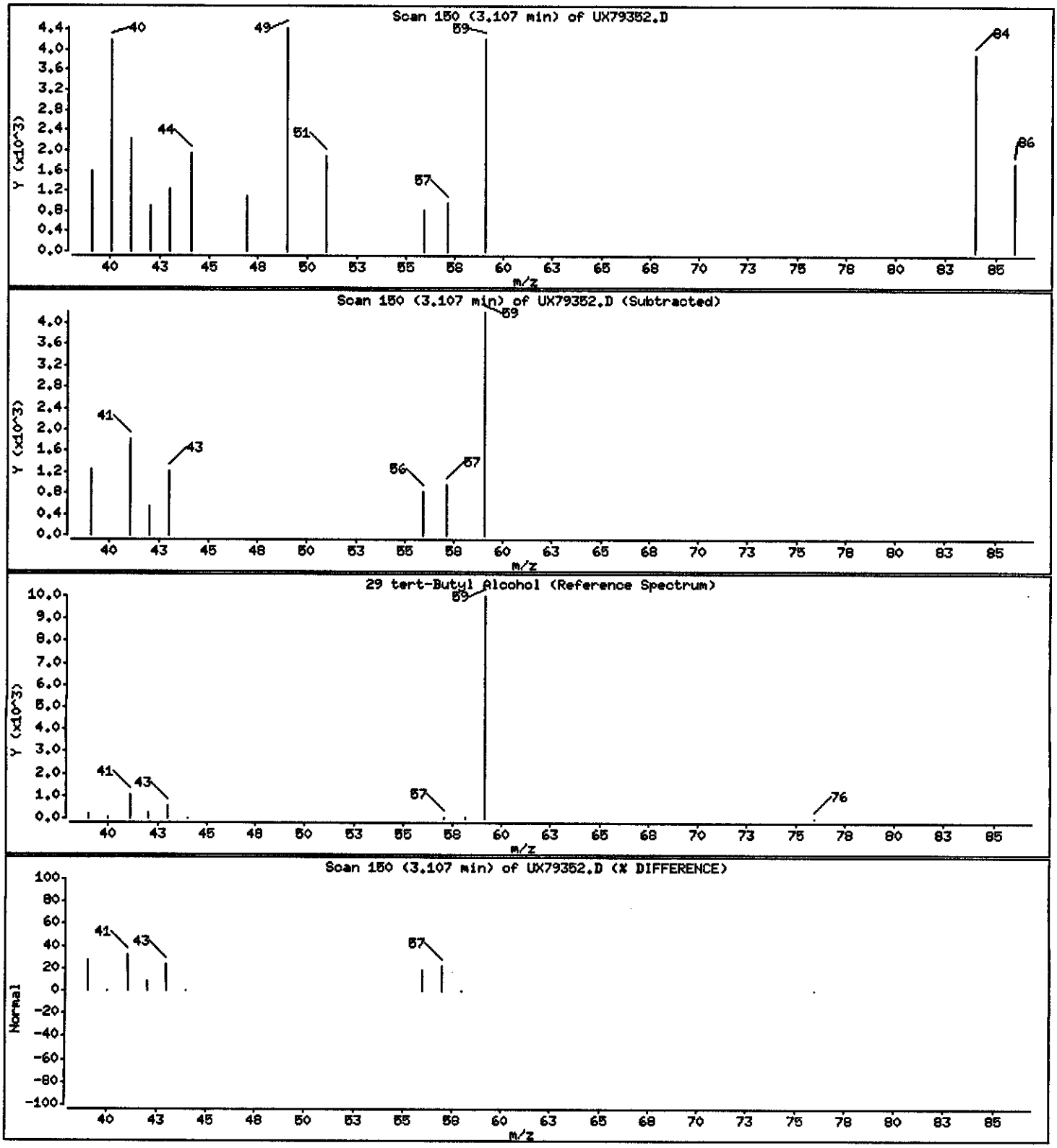
Client ID: MW031C/081804 Instrument: a3ux7.i

Sample Info: GNC5R1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

29 tert-Butyl Alcohol Concentration: 491.75 ug/L



Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40827B.b\UX79352.D

Date : 28-AUG-2004 03:52

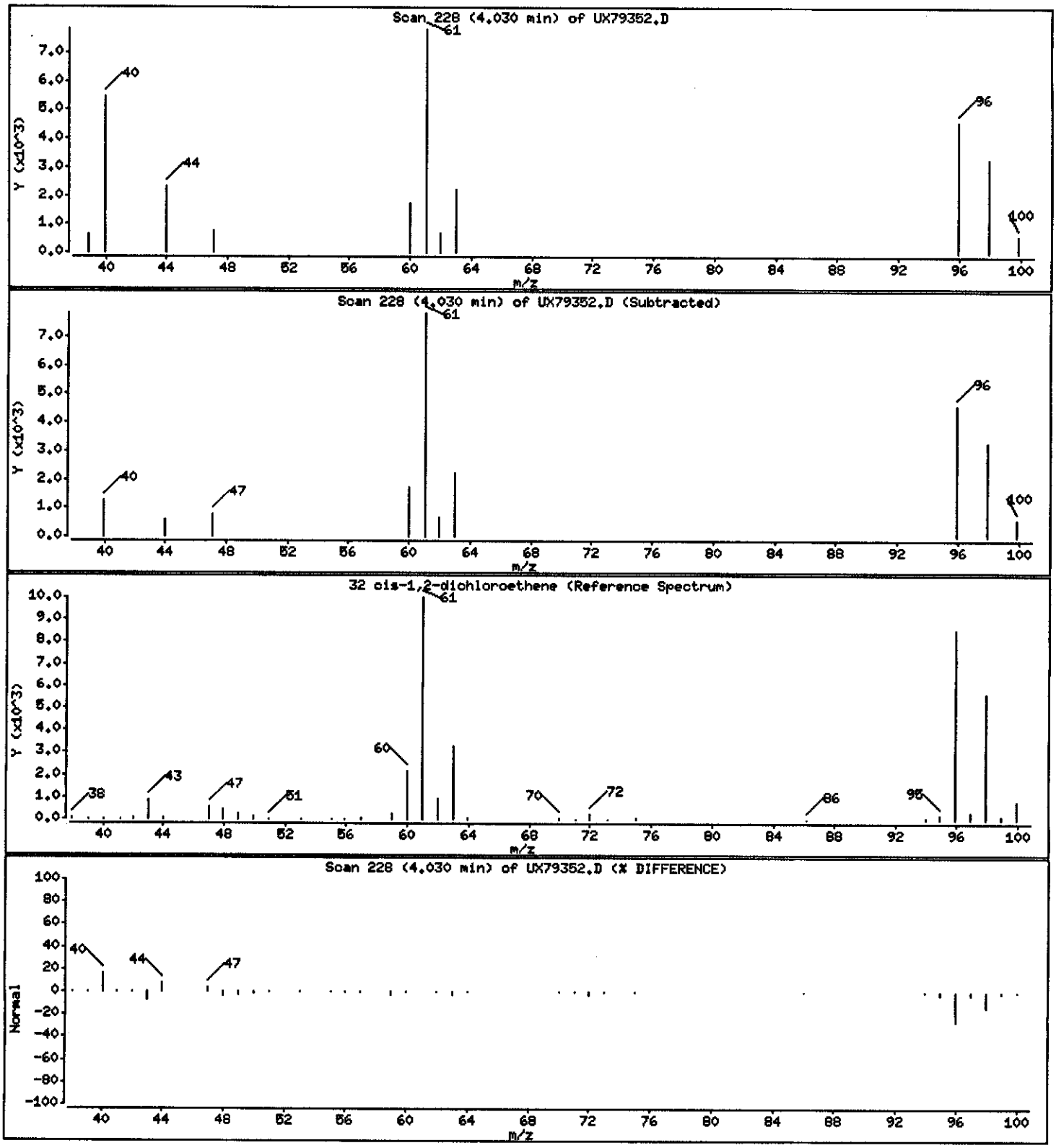
Client ID: MW031C/081804 Instrument: a3ux7.i

Sample Info: GNC5R1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 16.182 ug/L



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Date : 28-AUG-2004 03:52

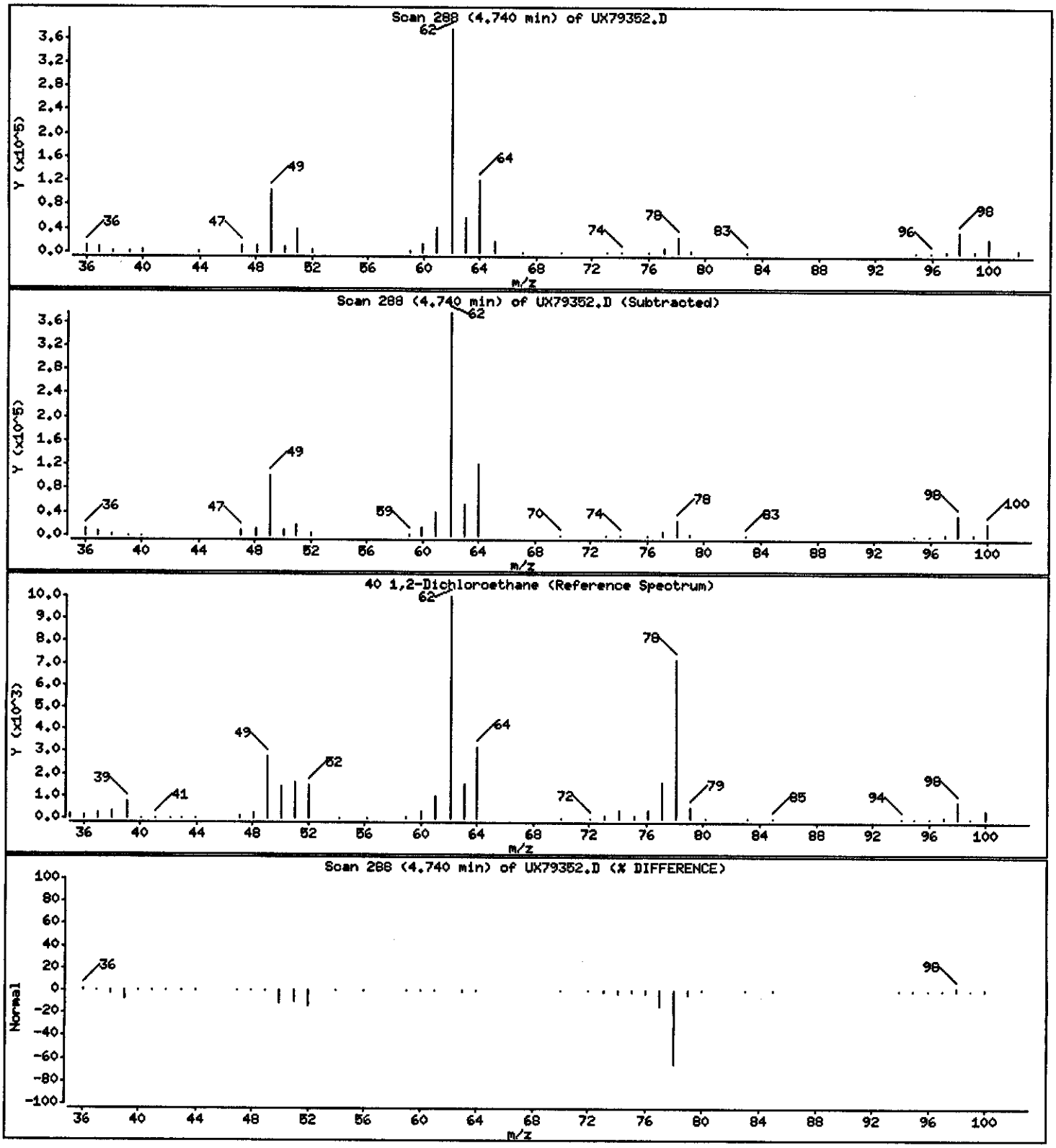
Client ID: MW031C/081804 Instrument: a3ux7.i

Sample Info: GNC5R1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 719.92 ug/L



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Date : 28-AUG-2004 03:52

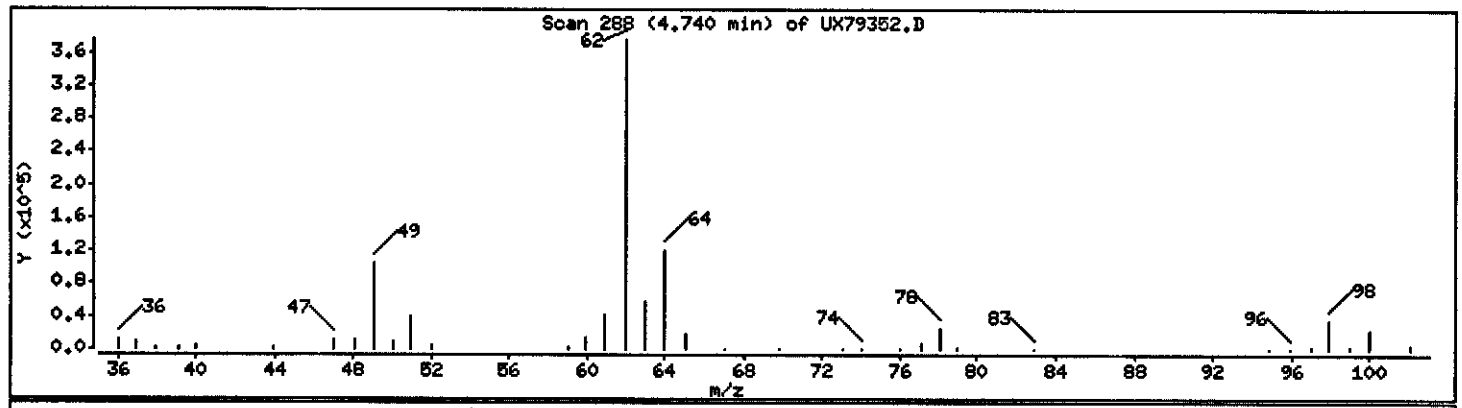
Client ID: MW031C/081804 Instrument: a3ux7.i

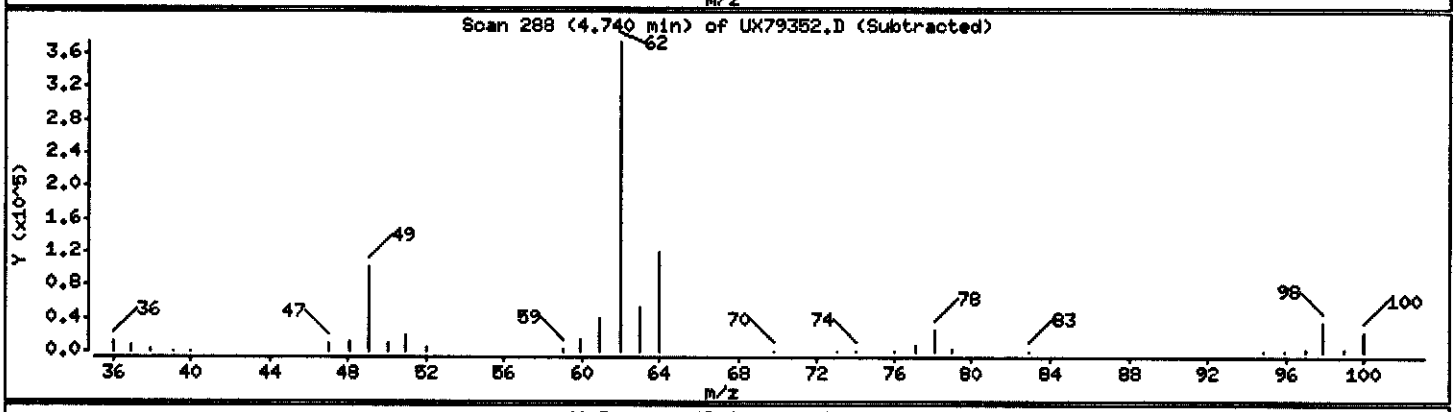
Sample Info: GNC5R1AA,0.175ML/5ML

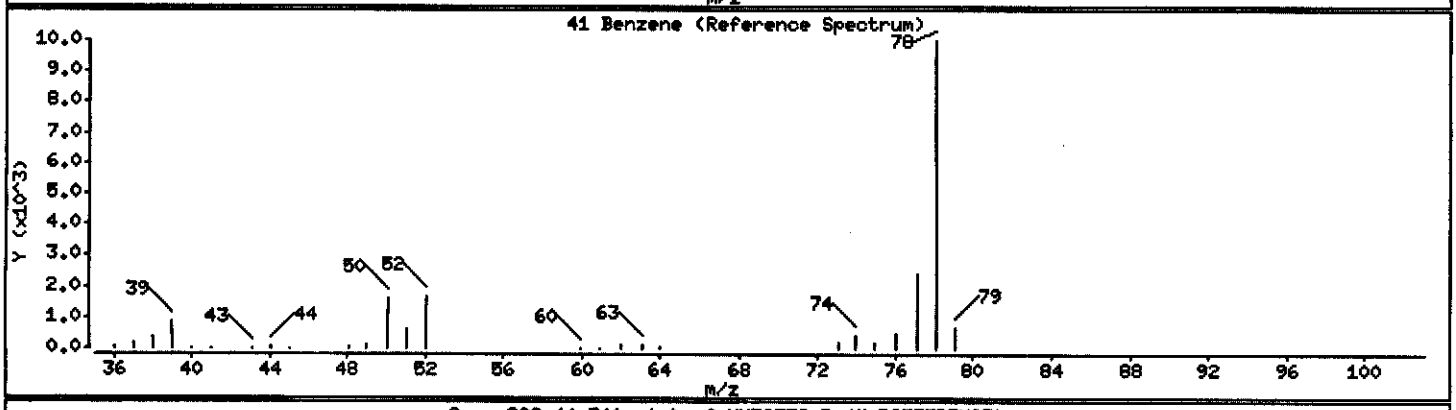
Purge Volume: 0.2 Operator: 1754

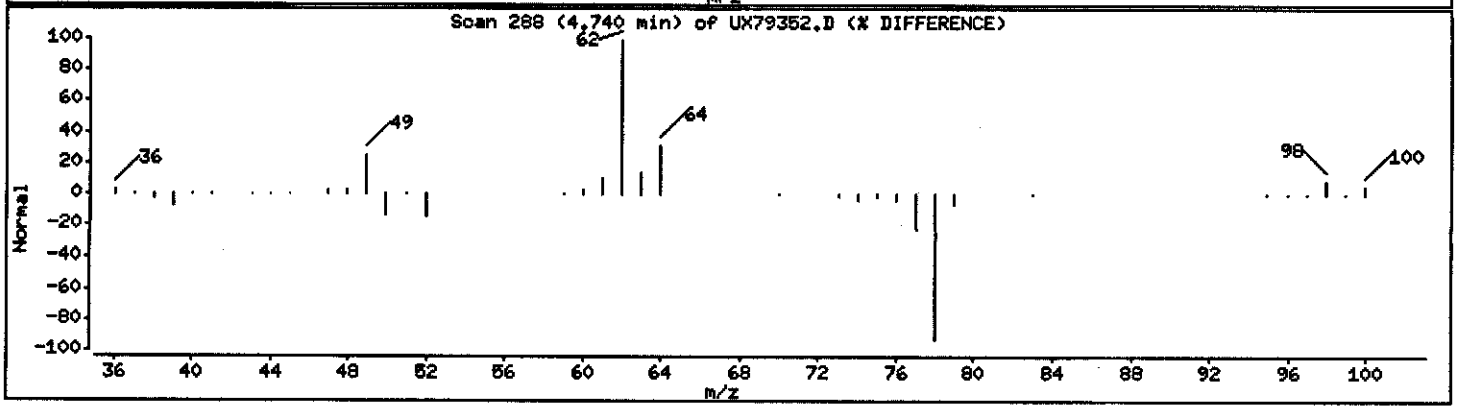
Column phase: DB624 20m Column diameter: 0.18

41 Benzene Concentration: 17.630 ug/L









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Date : 28-AUG-2004 03:52

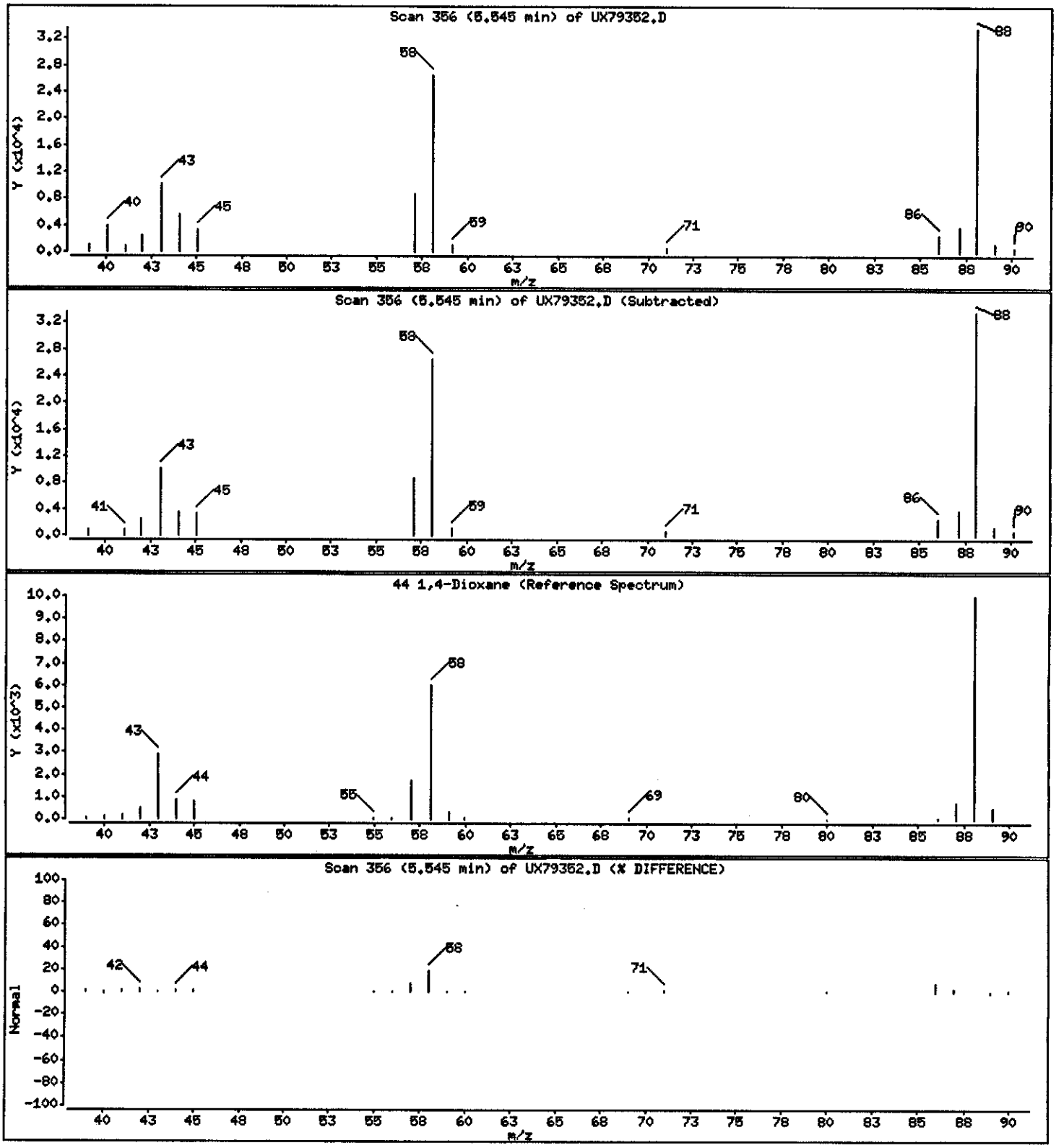
Client ID: MW031C/081804 Instrument: a3ux7.i

Sample Info: GNC5R1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 14374 ug/L



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Date : 28-AUG-2004 03:52

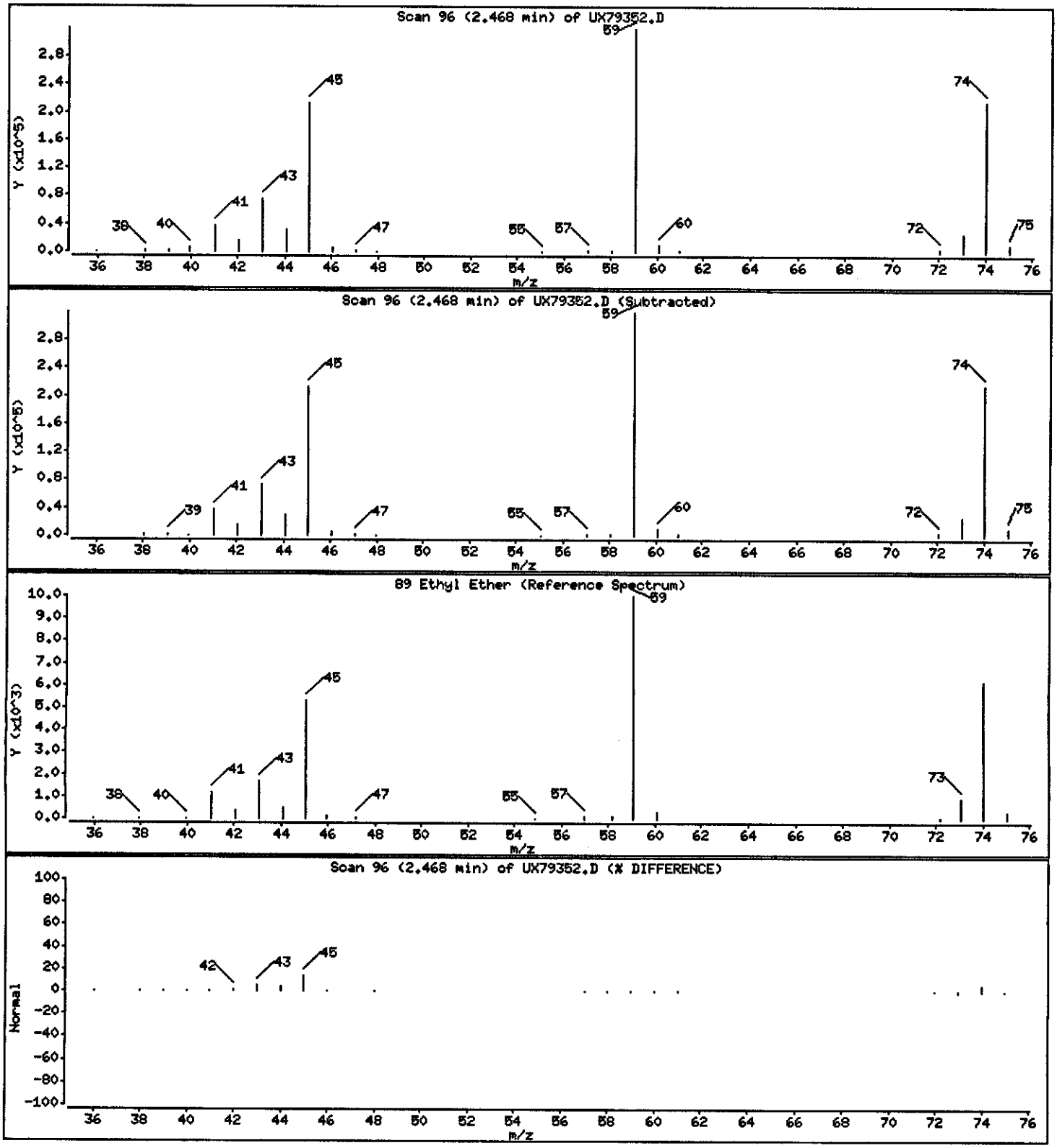
Client ID: MW031C/081804 Instrument: a3ux7.i

Sample Info: GNC5R1AA,0.175ML/5ML

Purge Volume: 0.2 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

89 Ethyl Ether Concentration: 1293.8 ug/L



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Date : 28-AUG-2004 03:52

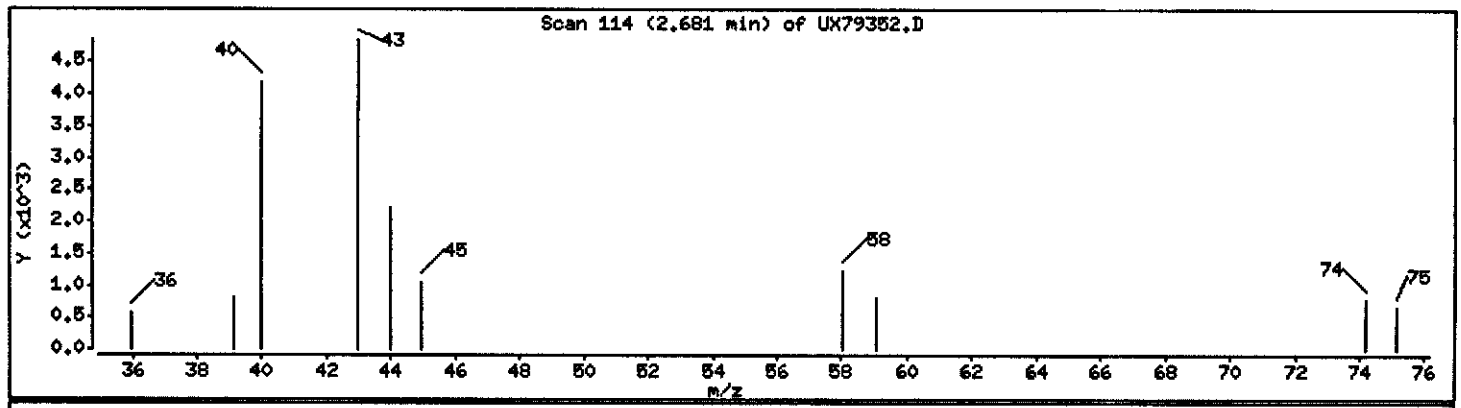
Client ID: MW031C/081804 Instrument: a3ux7.i

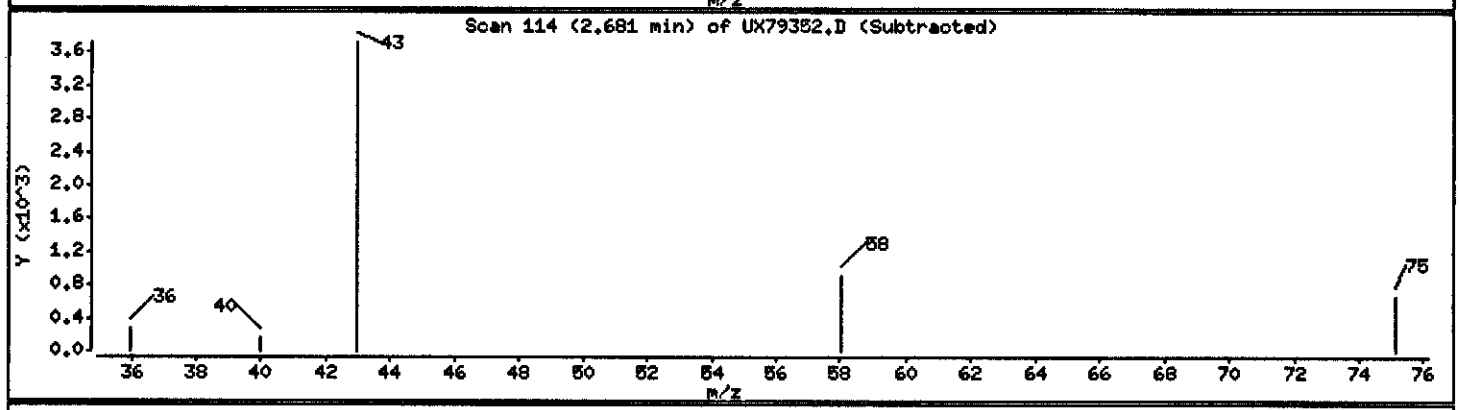
Sample Info: GNC5R1AA,0.175ML/5ML

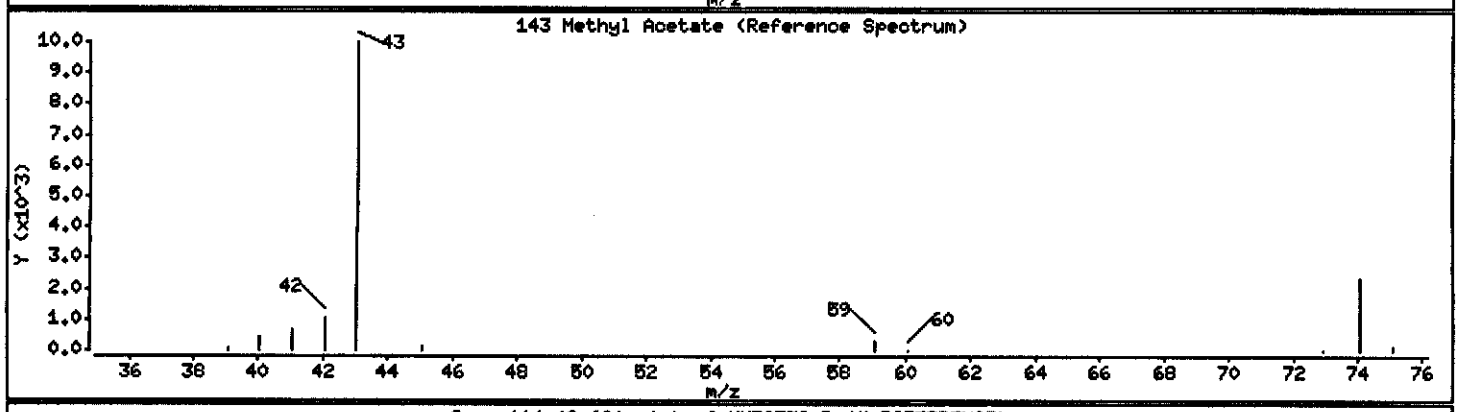
Purge Volume: 0.2 Operator: 1754

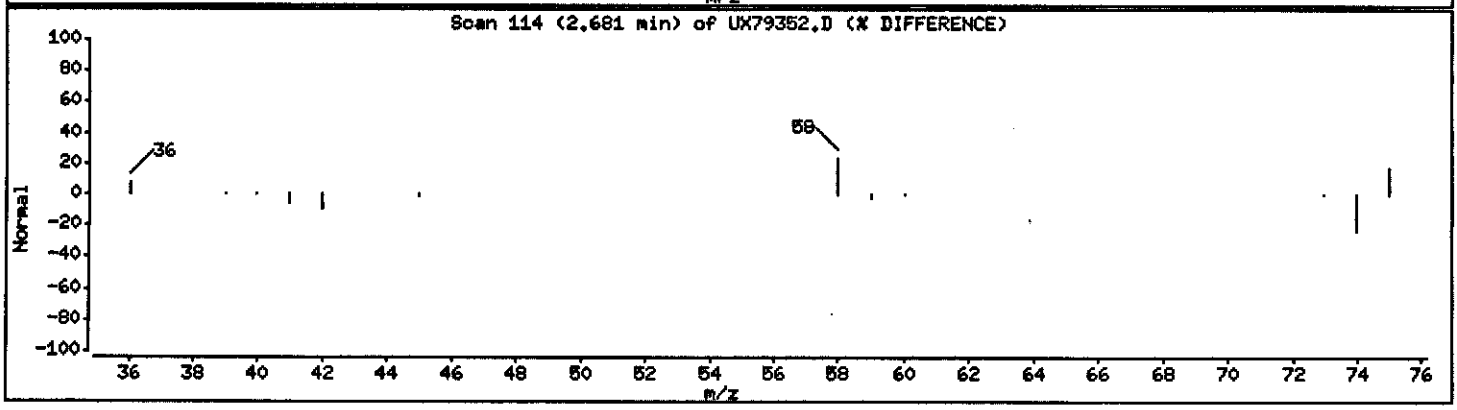
Column phase: DB624 20m Column diameter: 0.18

143 Methyl Acetate Concentration: 23.023 ug/L









PAYNE FIRM INC.

Client Sample ID: P006/081804

GC/MS Volatiles

Lot-Sample #...: A4H190207-009 **Work Order #...:** GNG5T1AA **Matrix.....:** WG
Date Sampled...: 08/18/04 14:55 **Date Received..:** 08/19/04
Prep Date.....: 08/28/04 **Analysis Date..:** 08/28/04
Prep Batch #...: 4243253
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	**2.8**	**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	**10**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**1.3**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	**1.3 J**	**2.0**	**ug/L**
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	**90**	**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: P006/081804

GC/MS Volatiles

Lot-Sample #...: A4H190207-009 **Work Order #...:** GNG5T1AA **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	**1.6**	**1.0**	**ug/L**
Xylenes (total)	**0.78 J**	**2.0**	**ug/L**

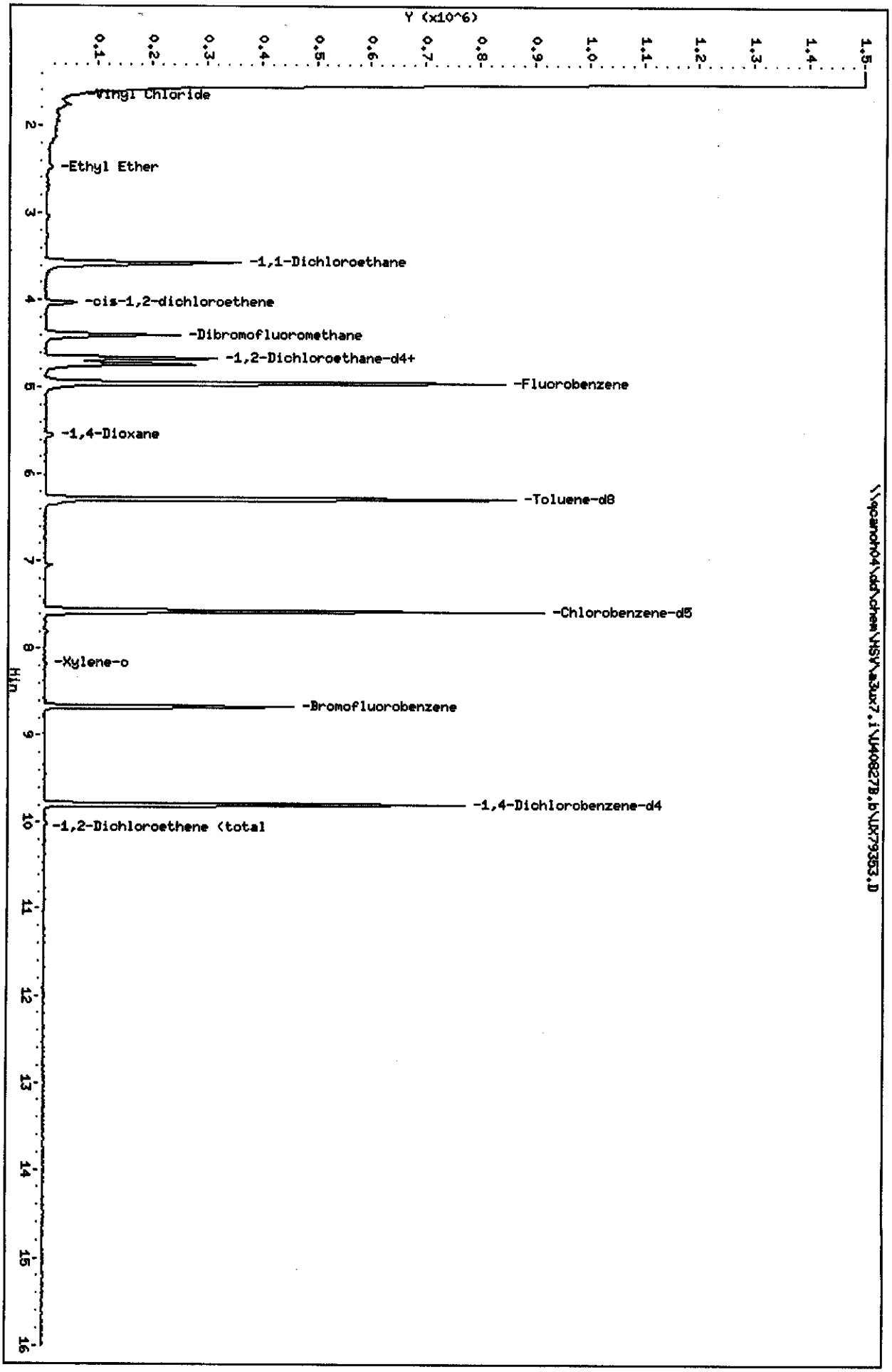
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U408278.b\UX79353.D
Date : 28-AUG-2004 04:16
Client ID: F006/081804
Sample Info: GNGST100.5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79353.D
Report Date: 30-Aug-2004 12:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79353.D
Lab Smp Id: GNG5T1AA Client Smp ID: F006/081804
Inj Date : 28-AUG-2004 04:16
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNG5T1AA,5ML/5ML
Misc Info : U40827B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 30-Aug-2004 12:06 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	848578	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	552584	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	205704	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	183615	48.6102	9.722
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	262699	46.4555	9.291
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	662819	46.5363	9.307
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	183431	40.3896	8.078
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.757	1.757	(0.355)	46365	7.94304	1.589
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79353.D
Report Date: 30-Aug-2004 12:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.568	3.568	(0.720)	453342	51.8887	10.378
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				30585	6.45401	1.291
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	30585	6.45401	1.291
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.739	4.739	(0.957)	283681	14.0727	2.814
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.556	5.532	(1.122)	12718	452.039	90.408(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106				897	3.92098	0.7842
	64 Xylene-o	106	8.171	8.182	(1.080)	897	3.92098	0.7842
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79353.D
Report Date: 30-Aug-2004 12:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.479	2.467	(0.501)	7711	1.89228	0.3784
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79353.D

Date : 28-AUG-2004 04:16

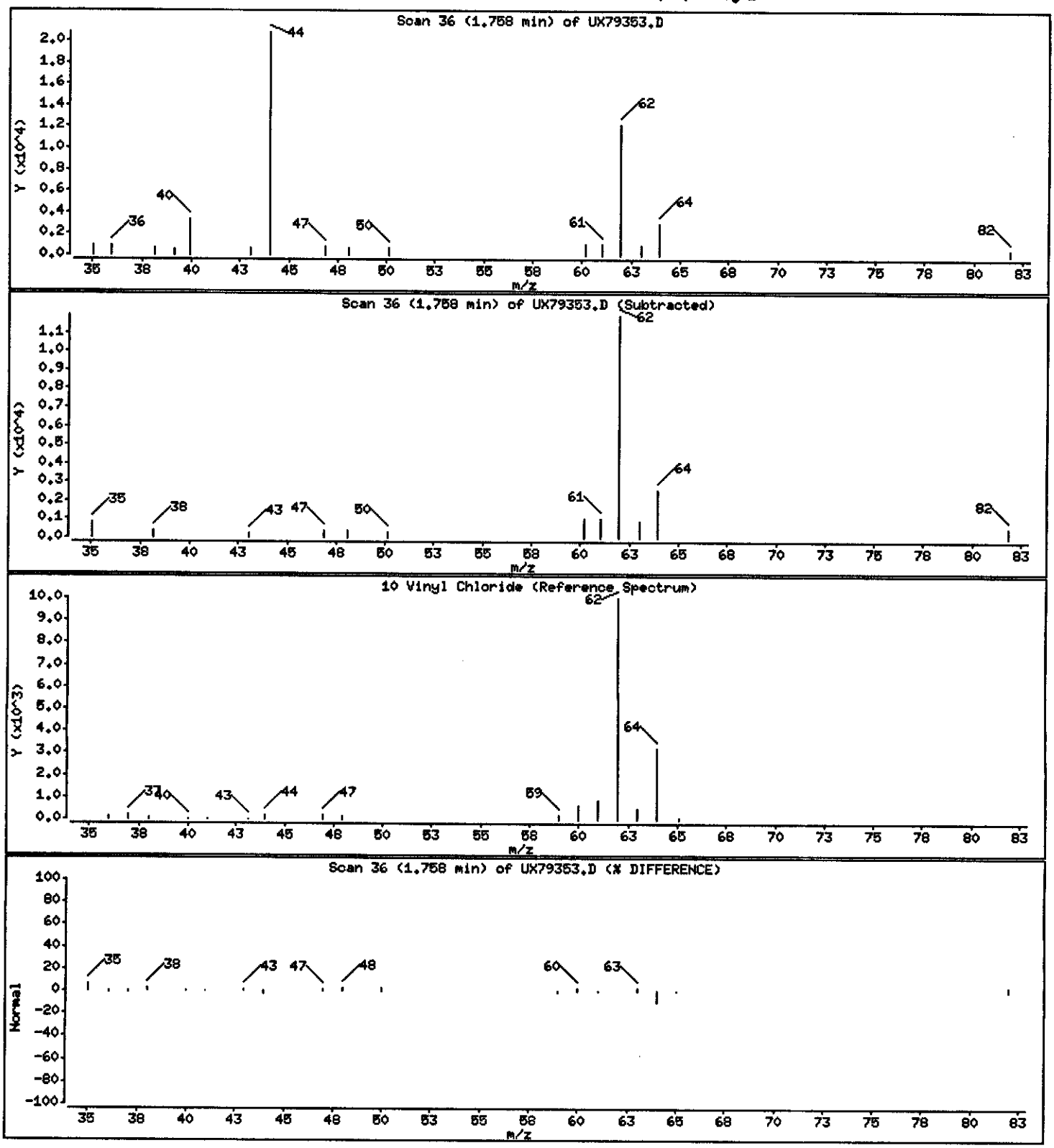
Client ID: F006/081804 Instrument: a3ux7.i

Sample Info: GNC5T1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

10 Vinyl Chloride Concentration: 1.589 ug/L



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Date : 28-AUG-2004 04:16

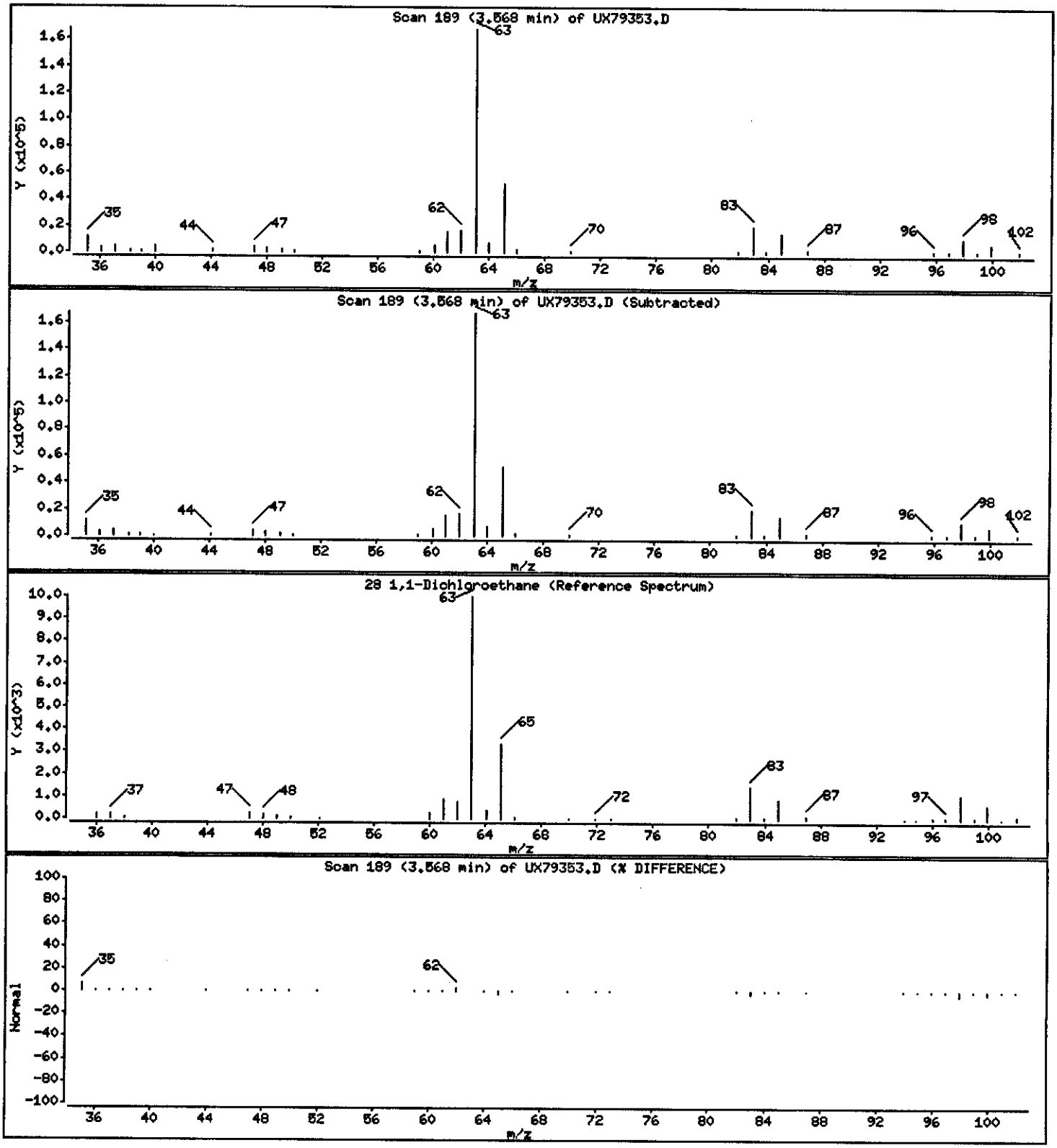
Client ID: F006/081804 Instrument: a3ux7.i

Sample Info: GNC5T1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 10.378 ug/L



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Date : 28-AUG-2004 04:16

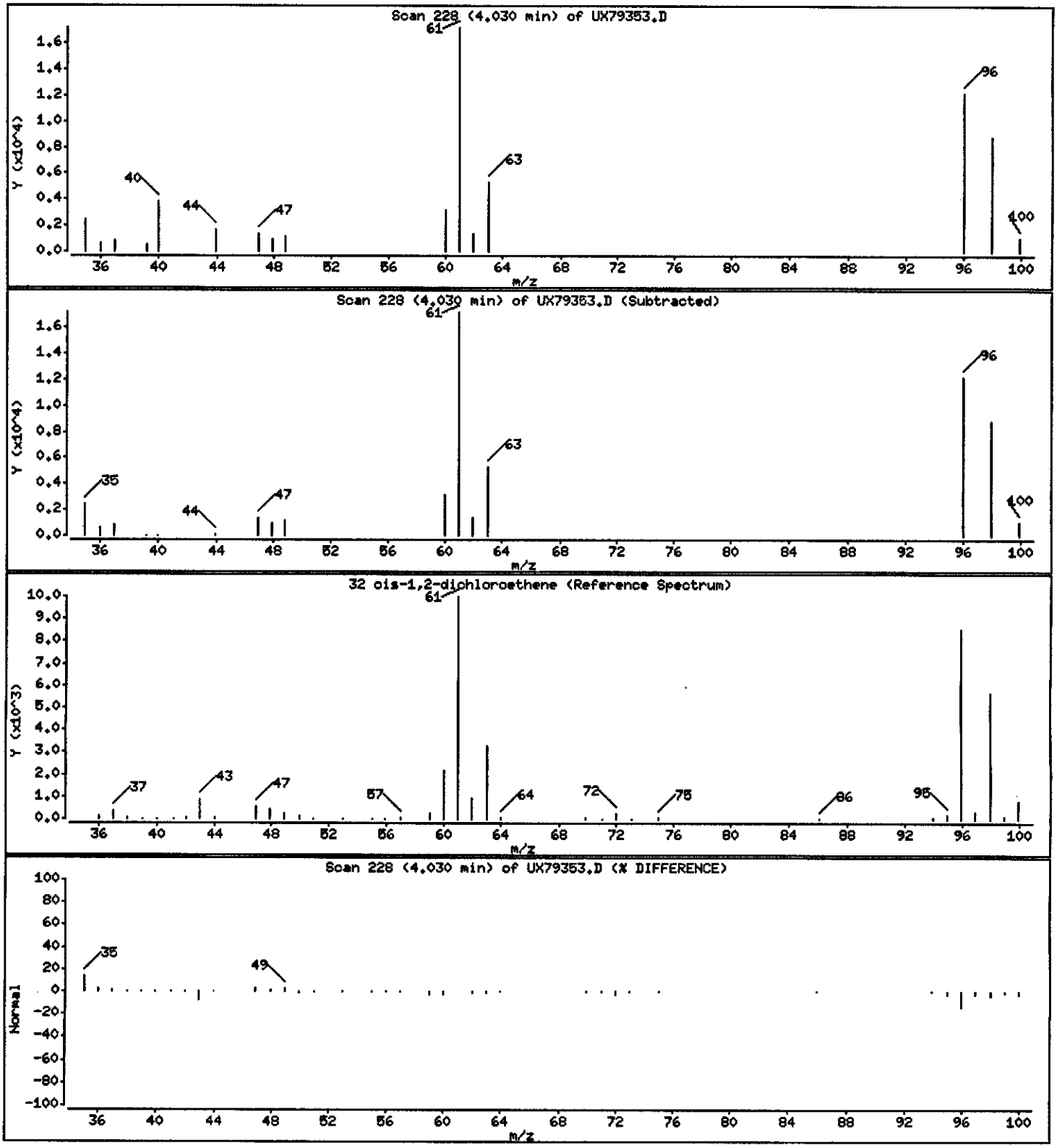
Client ID: F006/081804 Instrument: a3ux7.i

Sample Info: GNG5T1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 1.291 ug/L



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Date : 28-AUG-2004 04:16

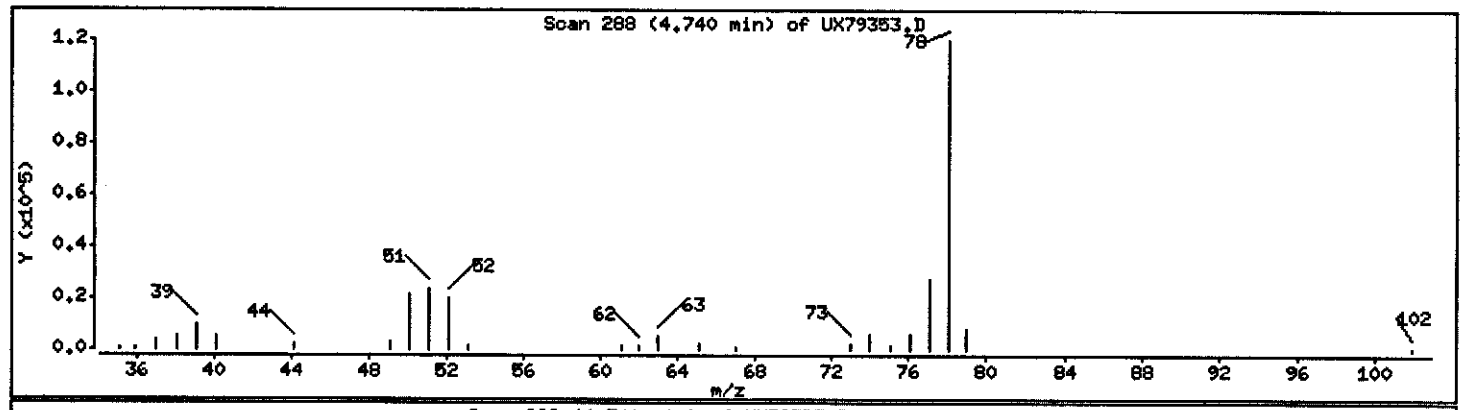
Client ID: F006/081804 Instrument: a3ux7.i

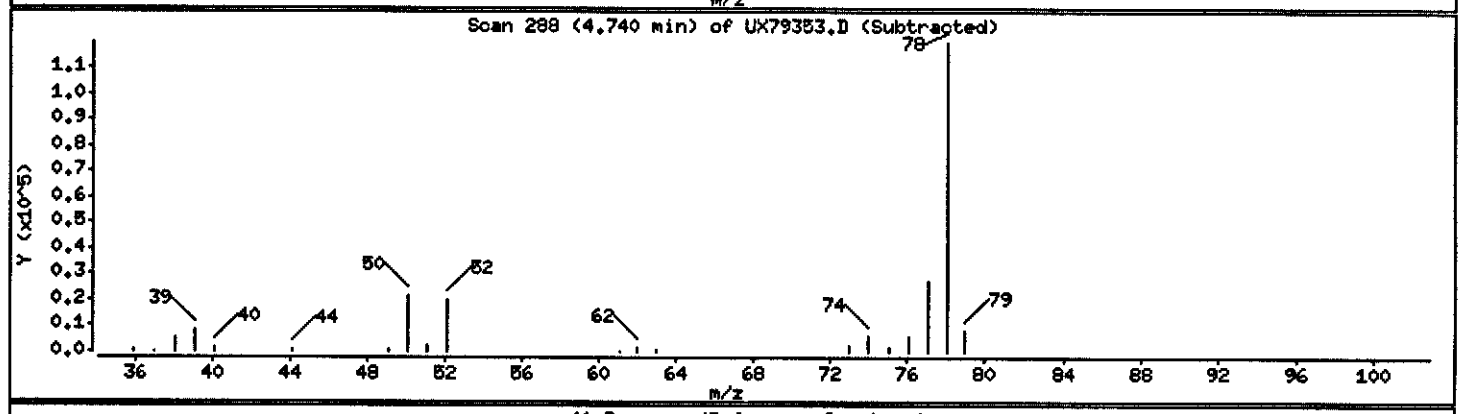
Sample Info: GNC5T1AA,5ML/5ML

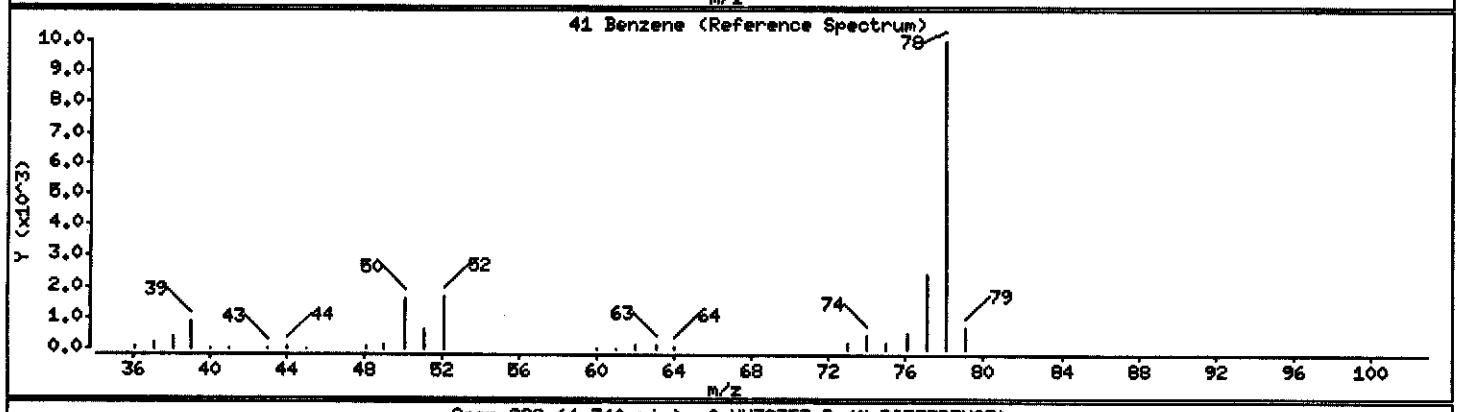
Purge Volume: 5.0 Operator: 1754

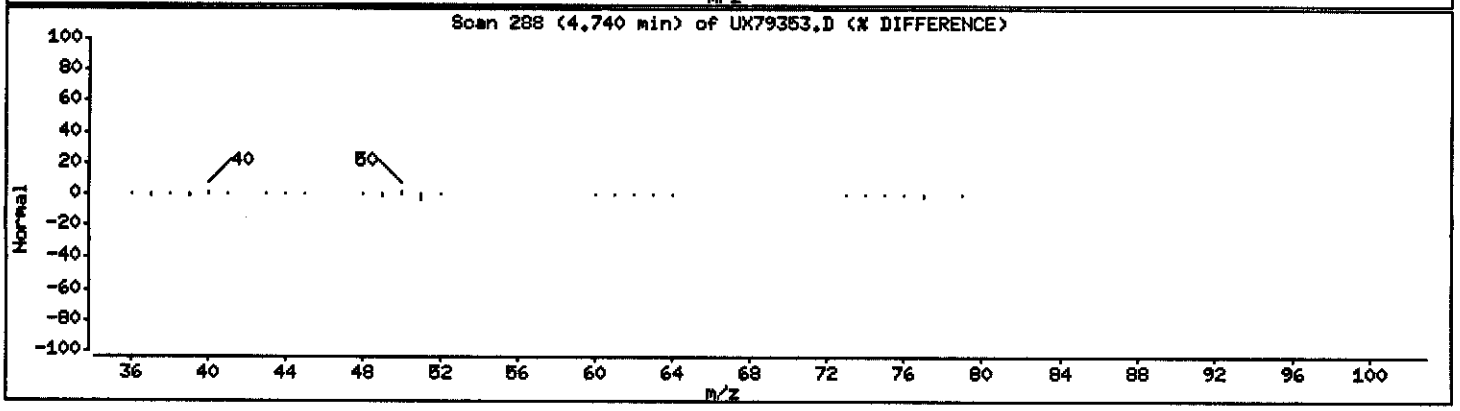
Column phase: DB624 20m Column diameter: 0.18

41 Benzene Concentration: 2.814 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79353.D

Date : 28-AUG-2004 04:16

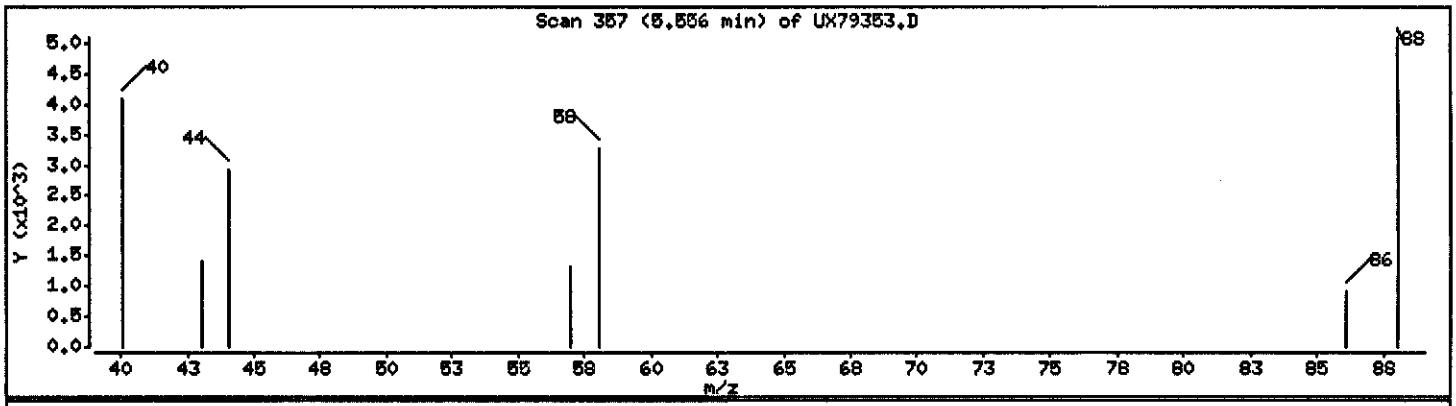
Client ID: F006/081804 Instrument: a3ux7.i

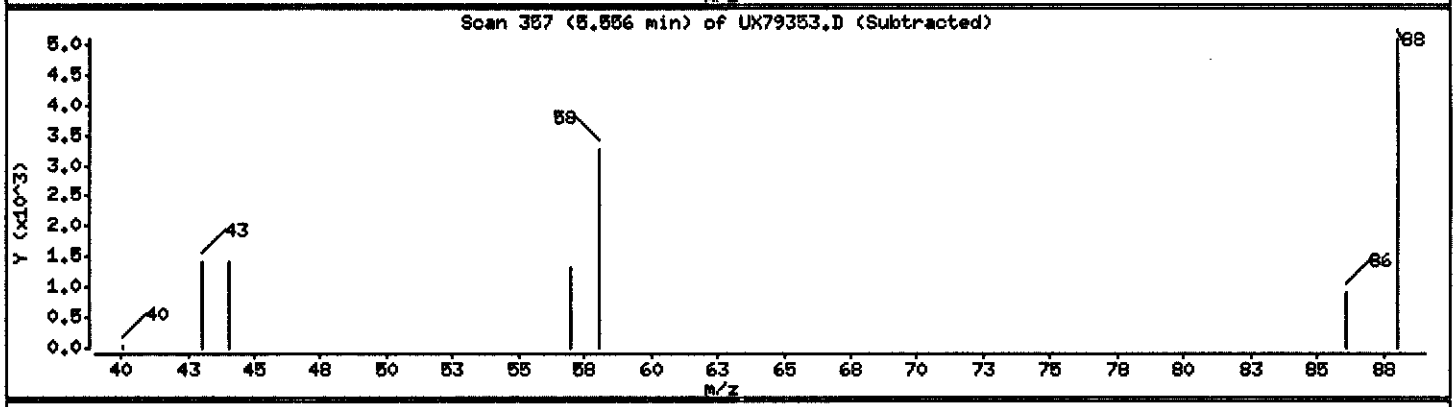
Sample Info: GNG5T1AA,5ML/5ML

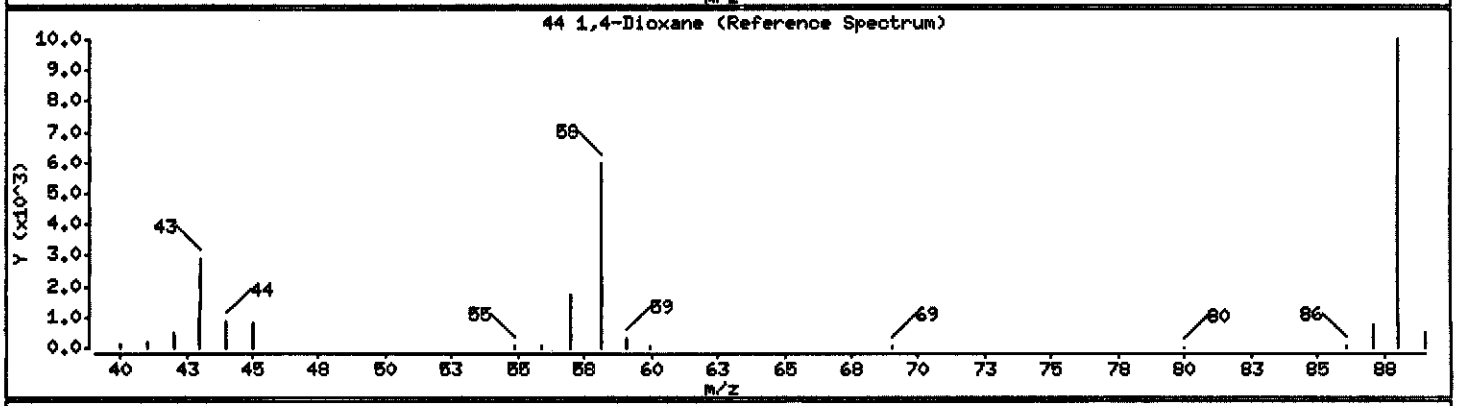
Purge Volume: 5.0 Operator: 1754

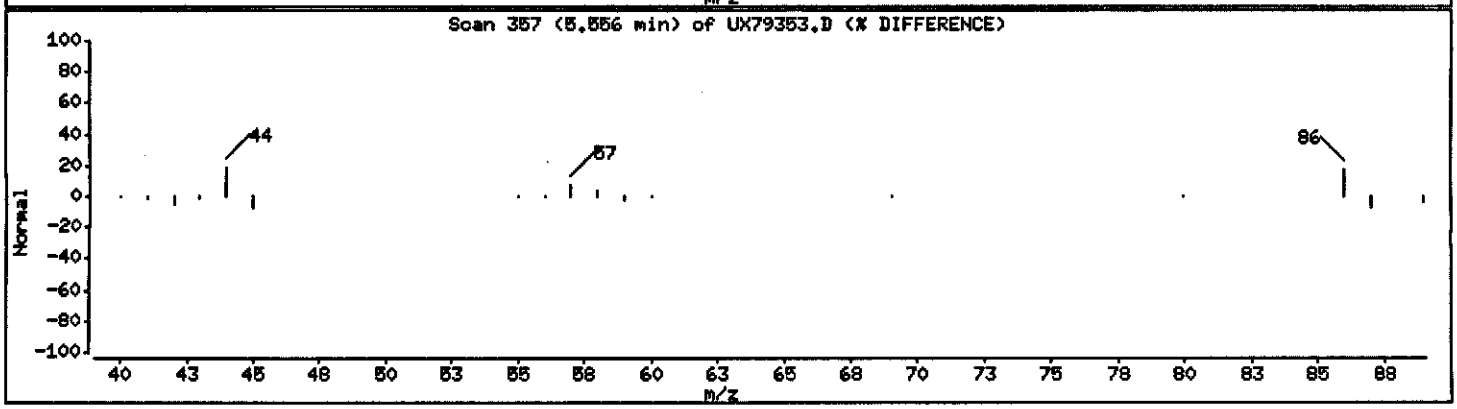
Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 90.408 ug/L









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Date : 28-AUG-2004 04:16

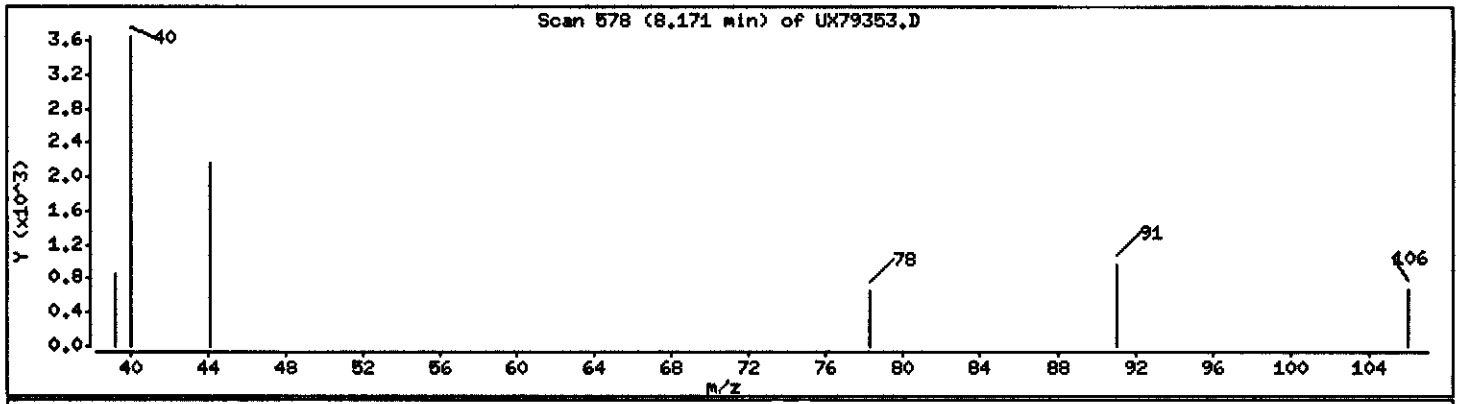
Client ID: F006/081804 Instrument: a3ux7.i

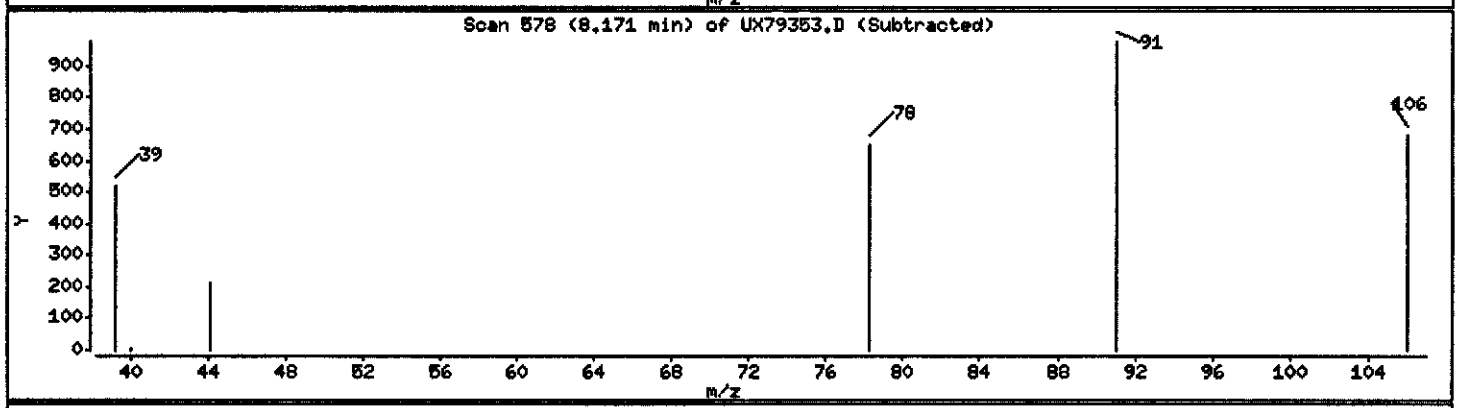
Sample Info: GNC5T1AA,5ML/5ML

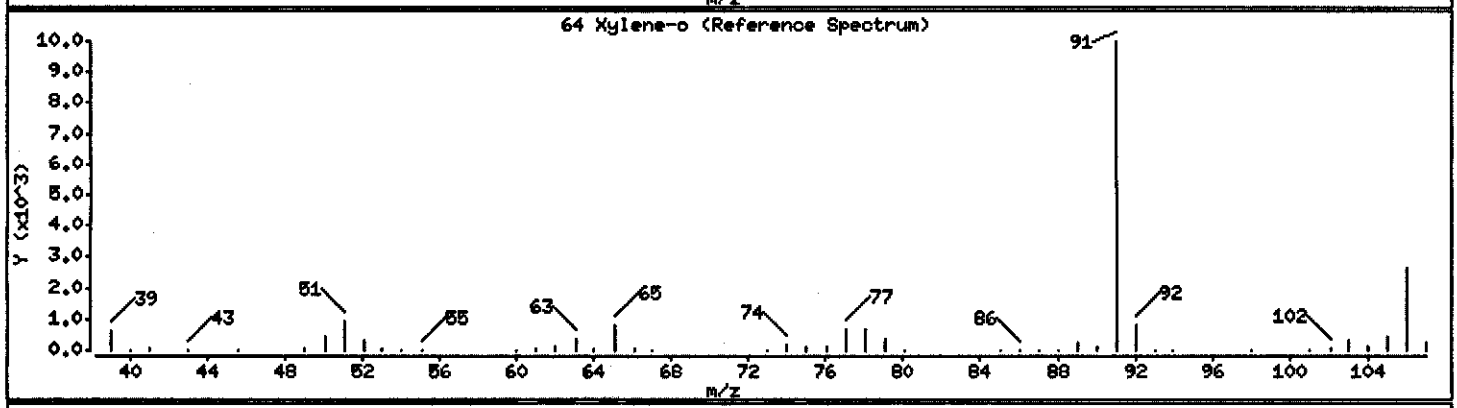
Purge Volume: 5.0 Operator: 1754

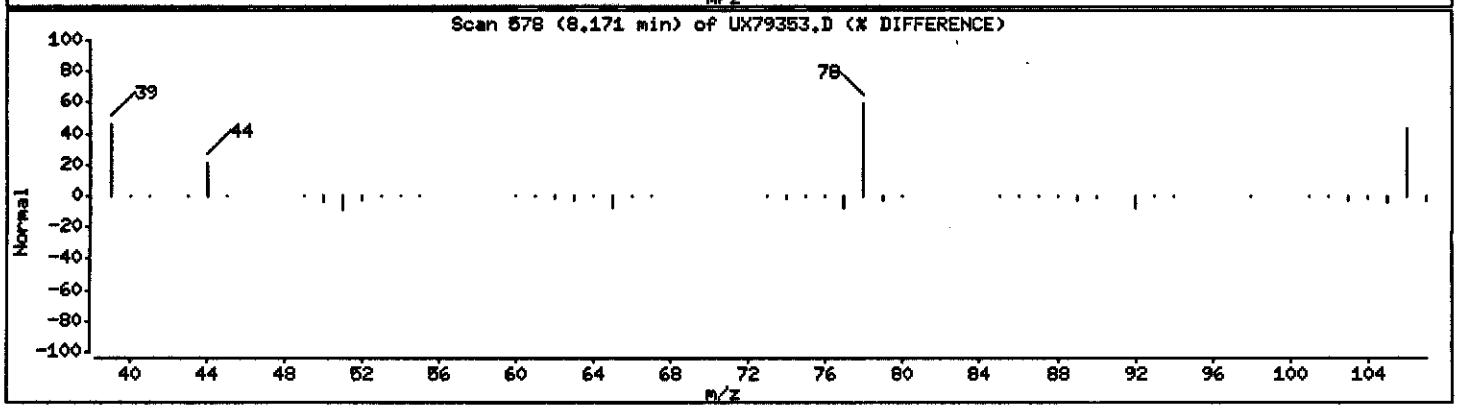
Column phase: DB624 20m Column diameter: 0.18

64 Xylene-o Concentration: 0.7842 ug/L









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Date : 28-AUG-2004 04:16

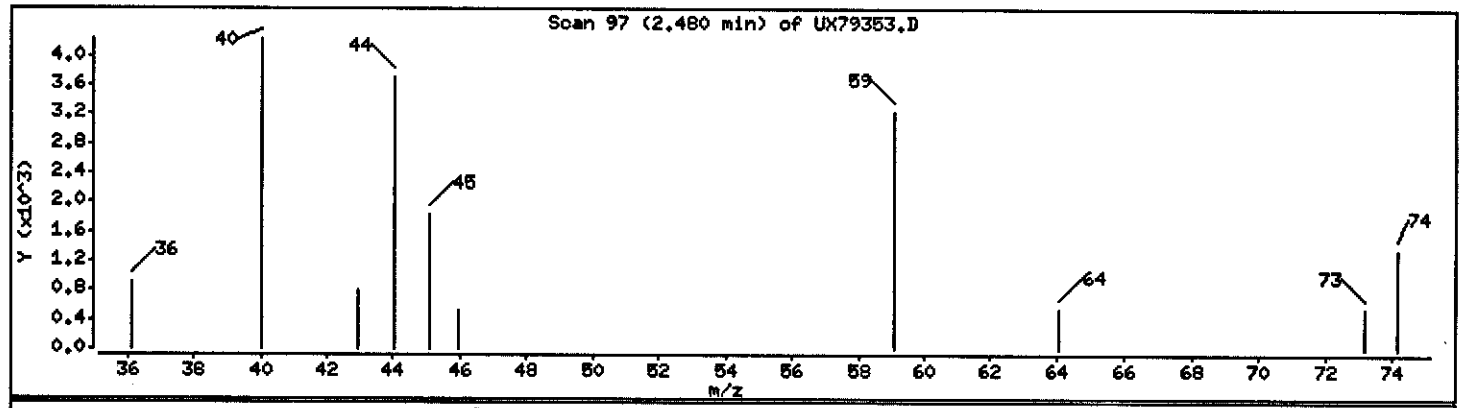
Client ID: F006/081804 Instrument: a3ux7.i

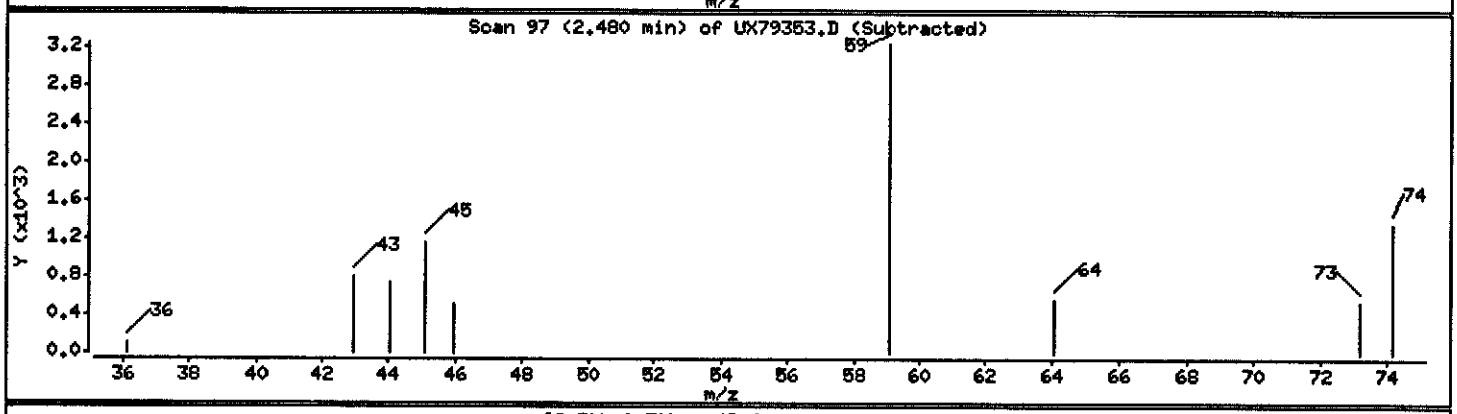
Sample Info: GNG5T1AA,5ML/5ML

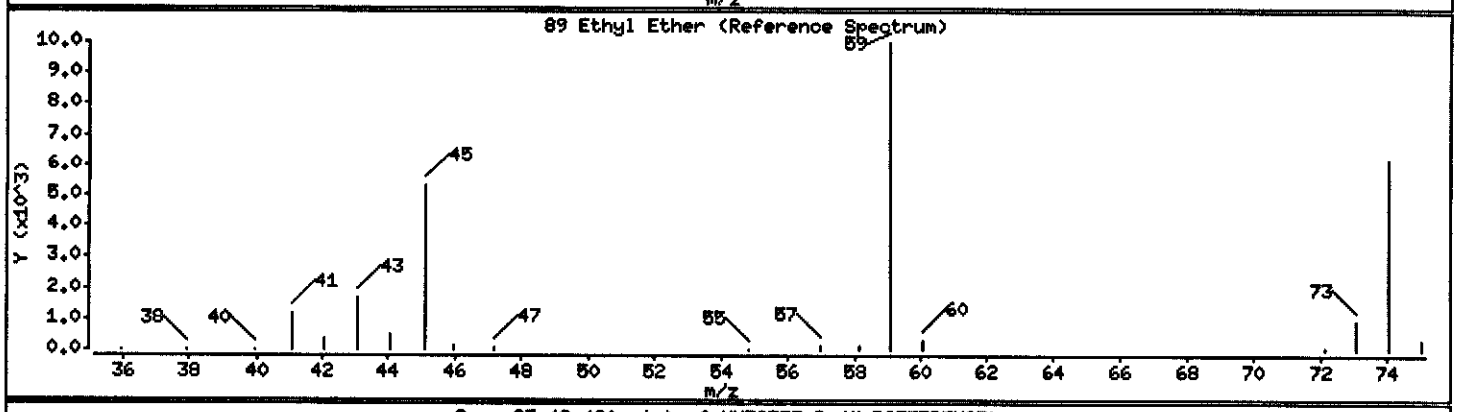
Purge Volume: 5.0 Operator: 1754

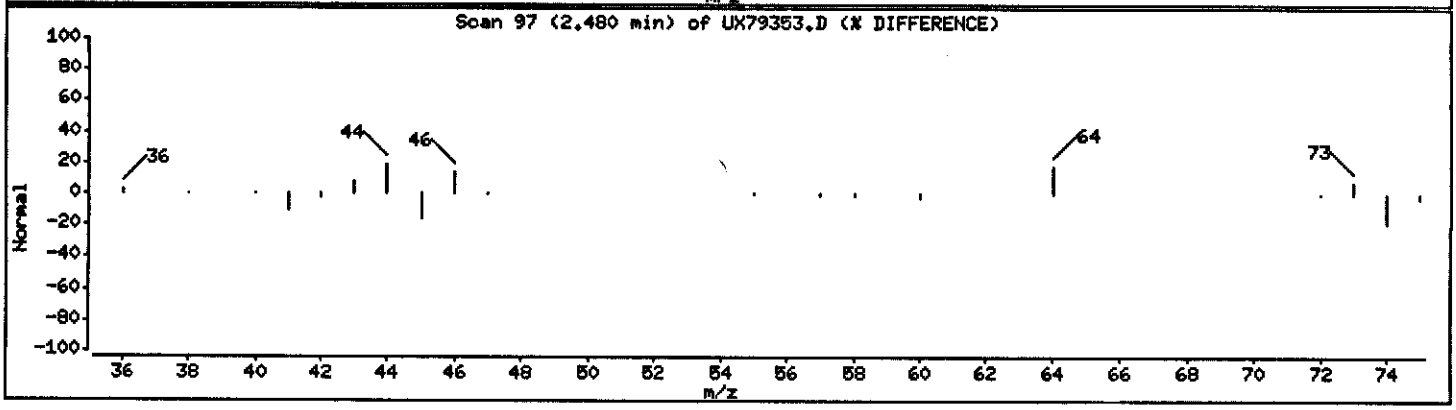
Column phase: DB624 20m Column diameter: 0.18

89 Ethyl Ether Concentration: 0.3784 ug/L









PAYNE FIRM INC.

Client Sample ID: FB02/081804

GC/MS Volatiles

Lot-Sample #...: A4H190207-010 **Work Order #...:** GNG5V1AA **Matrix.....:** WG
Date Sampled...: 08/18/04 11:00 **Date Received..:** 08/19/04
Prep Date.....: 08/28/04 **Analysis Date..:** 08/28/04
Prep Batch #...: 4243253
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	**2.2**	**1.0**	**ug/L**
Chloromethane	**0.39 J**	**1.0**	**ug/L**
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: FB02/081804

GC/MS Volatiles

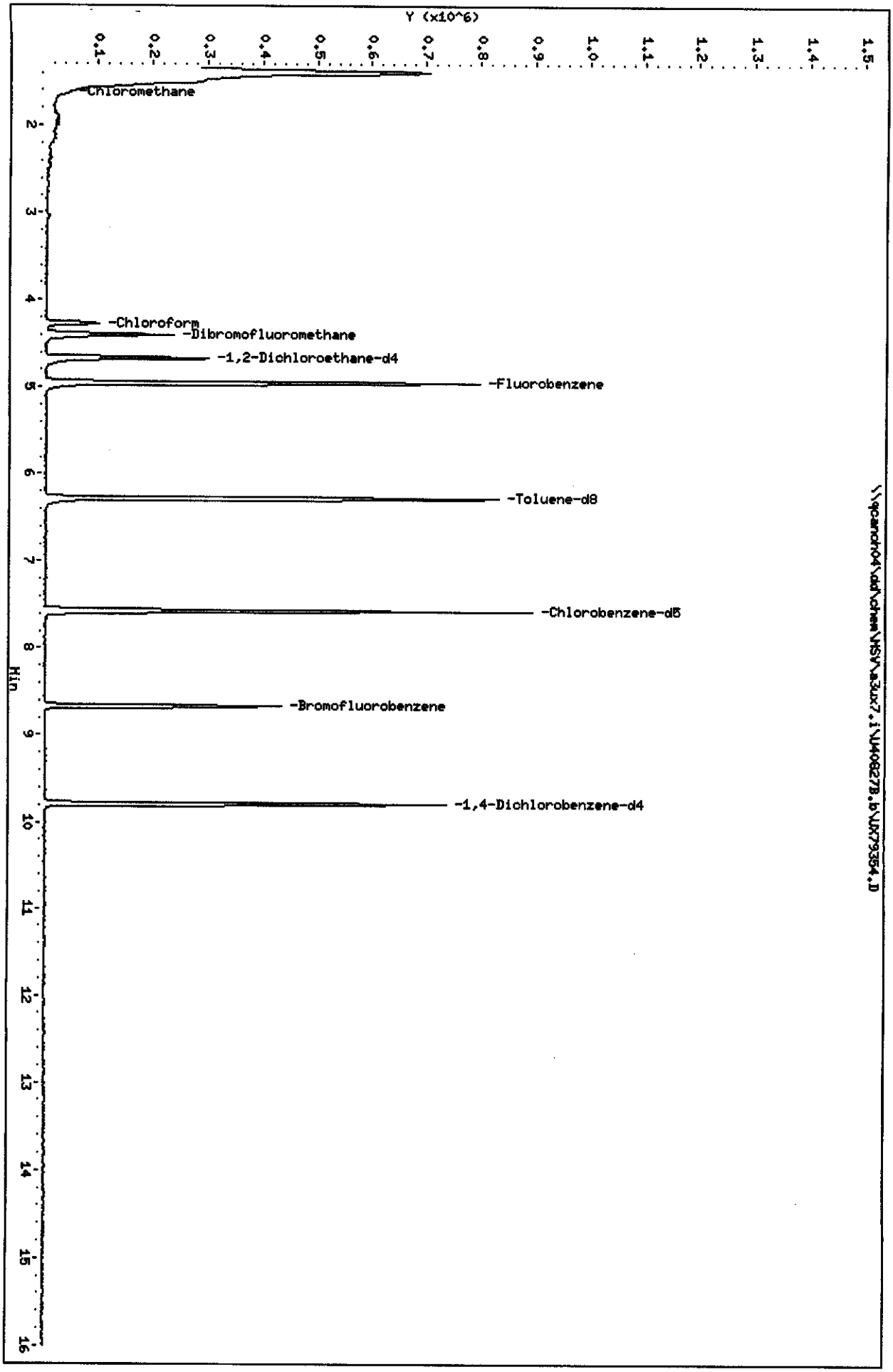
Lot-Sample #...: A4H190207-010 **Work Order #...:** GNG5V1AA **Matrix.....:** WG

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	104	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
Toluene-d8	91	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.


Data File: \\qcanch04\dd\chem\MSV\a3ux7.i\U408278.b\UR79354.D
Date : 28-AUG-2004 04:39
Client ID: FB02/081804
Sample Info: GN25V100,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Chloromethane
Chloroform
Dibromofluoromethane
1,2-Dichloroethane-d4
Fluorobenzene
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene
1,4-Dichlorobenzene-d4
Min
\\qcanch04\dd\chem\MSV\a3ux7.i\U408278.b\UR79354.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79354.D
Report Date: 30-Aug-2004 12:23

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79354.D
Lab Smp Id: GNG5V1AA Client Smp ID: FB02/081804
Inj Date : 28-AUG-2004 04:39
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNG5V1AA,5ML/5ML
Misc Info : U40827B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 30-Aug-2004 12:06 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.951	4.952	(1.000)	799521	50.0000	
* 2 Chlorobenzene-d5	117	7.578	7.567	(1.000)	550666	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.792	(1.000)	197928	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.396	(0.888)	184249	51.7710	10.354
$ 5 1,2-Dichloroethane-d4	65	4.667	4.668	(0.943)	260613	48.9144	9.783
$ 6 Toluene-d8	98	6.276	6.277	(0.828)	642434	45.2622	9.052
$ 7 Bromofluorobenzene	95	8.666	8.668	(1.144)	174940	38.6541	7.731
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.626	1.651	(0.328)	4544	1.94814	0.3896
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79354.D
Report Date: 30-Aug-2004 12:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.276	4.266	(0.864)	88071	11.1131	2.223
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79354.D
Report Date: 30-Aug-2004 12:23

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79354.D

Date : 28-AUG-2004 04:39

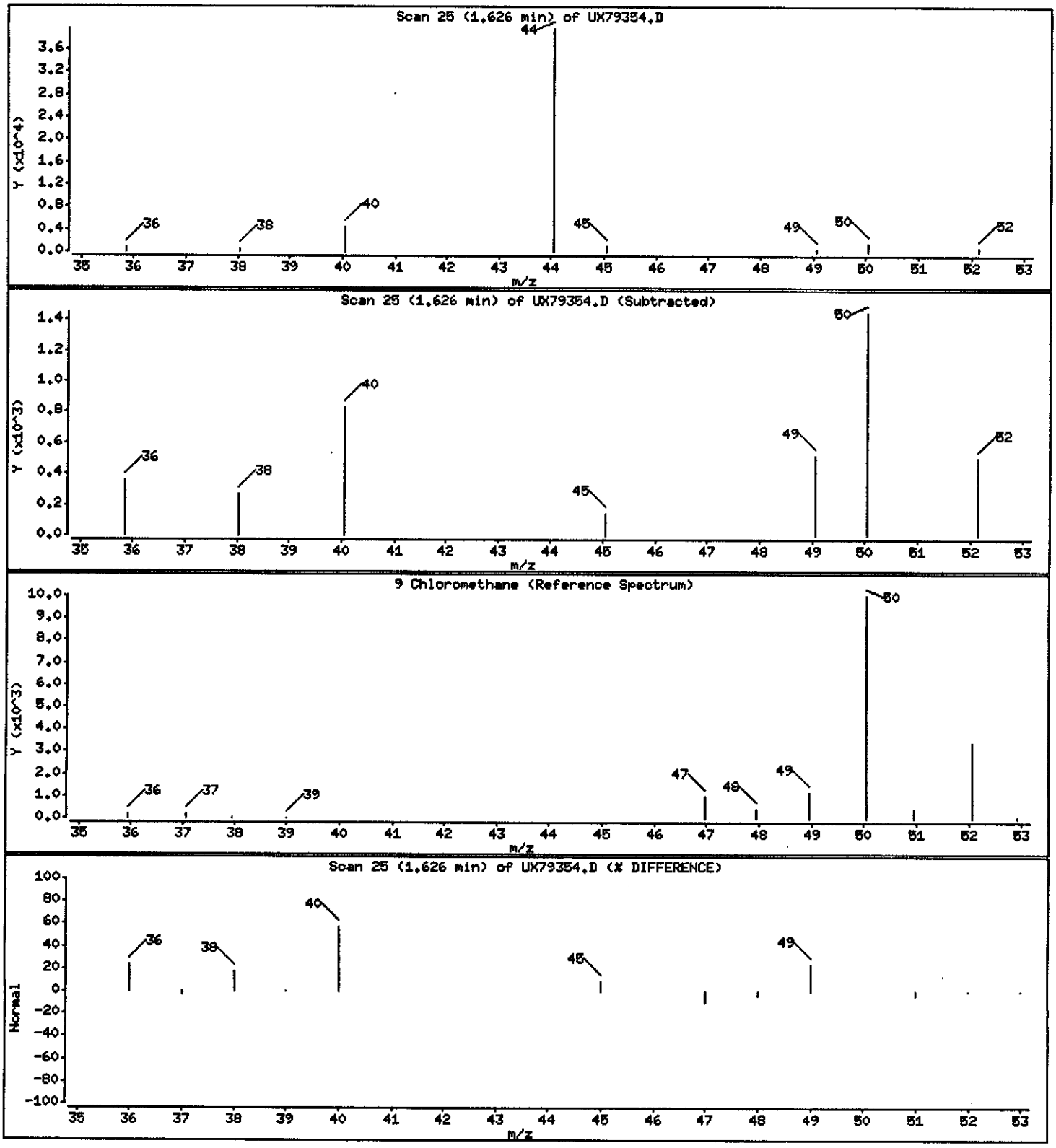
Client ID: FB02/081804 Instrument: a3ux7.i

Sample Info: GNG5V1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

9 Chloromethane Concentration: 0.3896 ug/L



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Date : 28-AUG-2004 04:39

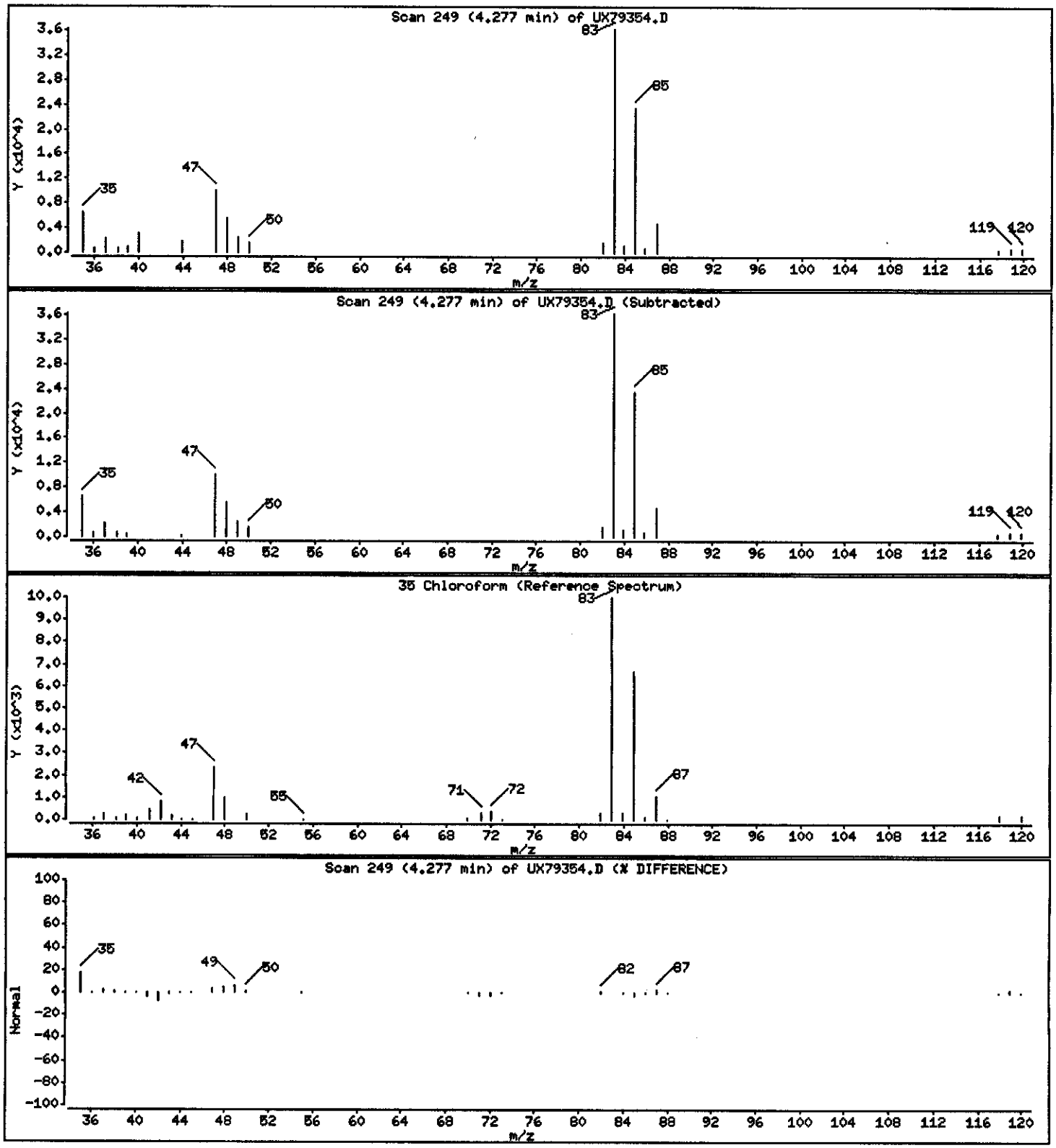
Client ID: FB02/081804 Instrument: a3ux7.i

Sample Info: GNC5V1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

35 Chloroform Concentration: 2.223 ug/L



PAYNE FIRM INC.

Client Sample ID: DUP01/081804

GC/MS Volatiles

Lot-Sample #...: A4H190207-011 **Work Order #...:** GNG5W1AA **Matrix.....:** WQ
Date Sampled...: 08/18/04 **Date Received..:** 08/19/04
Prep Date.....: 08/28/04 **Analysis Date..:** 08/28/04
Prep Batch #...: 4243253
Dilution Factor: 25 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	250	ug/L
Acetonitrile	ND	500	ug/L
Acrolein	ND	500	ug/L
Acrylonitrile	ND	500	ug/L
Benzene	**29**	**25**	**ug/L**
Bromodichloromethane	ND	25	ug/L
Bromoform	ND	25	ug/L
Bromomethane	ND	25	ug/L
2-Butanone	ND	250	ug/L
Carbon disulfide	ND	25	ug/L
Carbon tetrachloride	ND	25	ug/L
Chlorobenzene	ND	25	ug/L
Chloroprene	ND	50	ug/L
Dibromochloromethane	ND	25	ug/L
Chloroethane	ND	25	ug/L
Chloroform	ND	25	ug/L
Chloromethane	ND	25	ug/L
3-Chloropropene	ND	50	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	ug/L
1,2-Dibromoethane	ND	25	ug/L
Dibromomethane	ND	25	ug/L
trans-1,4-Dichloro-2-butene	ND	25	ug/L
1,1-Dichloroethane	**5.6 J**	**25**	**ug/L**
1,2-Dichloroethane	**78**	**25**	**ug/L**
cis-1,2-Dichloroethene	**670**	**25**	**ug/L**
trans-1,2-Dichloroethene	**22 J**	**25**	**ug/L**
1,1-Dichloroethene	ND	25	ug/L
1,2-Dichloroethene (total)	**690**	**50**	**ug/L**
Dichlorofluoromethane	ND	50	ug/L
1,2-Dichloropropane	ND	25	ug/L
cis-1,3-Dichloropropene	ND	25	ug/L
trans-1,3-Dichloropropene	ND	25	ug/L
1,4-Dioxane	**9400**	**1200**	**ug/L**
Ethylbenzene	ND	25	ug/L
Ethyl methacrylate	ND	25	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DUP01/081804

GC/MS Volatiles

Lot-Sample #...: A4H190207-011 **Work Order #...:** GNG5W1AA **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	250	ug/L
Iodomethane	ND	25	ug/L
Isobutanol	ND	1200	ug/L
Methacrylonitrile	ND	50	ug/L
Methylene chloride	ND	25	ug/L
Methyl methacrylate	ND	50	ug/L
4-Methyl-2-pentanone	ND	250	ug/L
Propionitrile	ND	100	ug/L
Styrene	ND	25	ug/L
1,1,1,2-Tetrachloroethane	ND	25	ug/L
1,1,2,2-Tetrachloroethane	ND	25	ug/L
Tetrachloroethene	**6.8 J**	**25**	**ug/L**
Toluene	ND	25	ug/L
1,1,1-Trichloroethane	ND	25	ug/L
1,1,2-Trichloroethane	ND	25	ug/L
Trichloroethene	**350**	**25**	**ug/L**
Trichlorofluoromethane	ND	25	ug/L
1,2,3-Trichloropropane	ND	25	ug/L
Vinyl acetate	ND	50	ug/L
Vinyl chloride	**180**	**25**	**ug/L**
Xylenes (total)	ND	50	ug/L

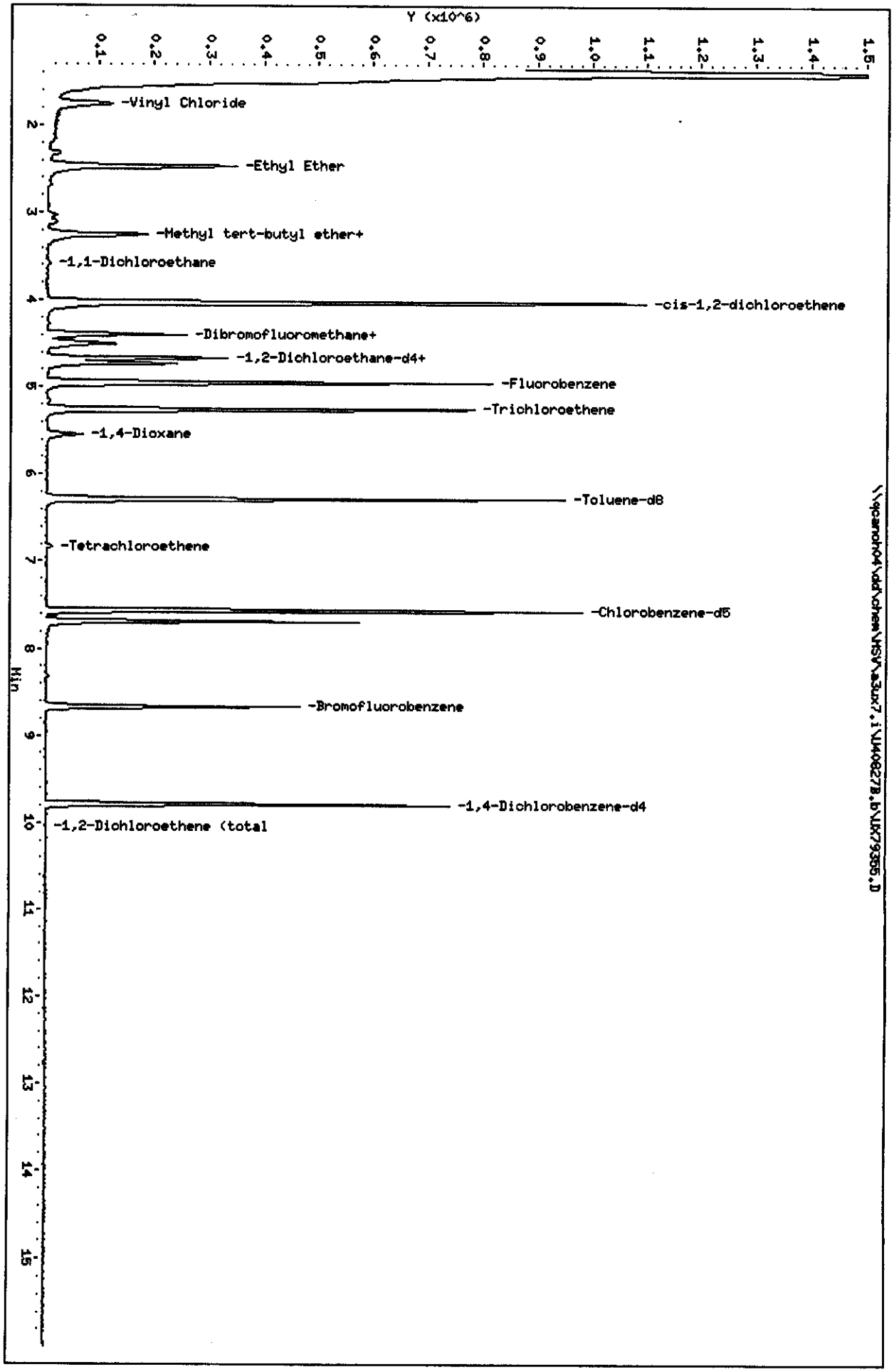
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\U40827B.b\UX79355.D
Date : 28-AUG-2004 05:02
Client ID: DUP01/081804
Sample Info: GNC5W1AA,0.2ML/5ML
Purge Volume: 0.2
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79355.D
Report Date: 30-Aug-2004 12:23

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79355.D
Lab Smp Id: GNG5W1AA Client Smp ID: DUP01/081804
Inj Date : 28-AUG-2004 05:02
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNG5W1AA,0.2ML/5ML
Misc Info : U40827B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 30-Aug-2004 12:06 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.200	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)	845556	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.567	(1.000)	541173	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.792	(1.000)	196782	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.396	(0.888)	181929	48.3360	241.68
$ 5 1,2-Dichloroethane-d4	65	4.671	4.668	(0.943)	266782	47.3462	236.73
$ 6 Toluene-d8	98	6.280	6.277	(0.830)	673371	48.2741	241.37
$ 7 Bromofluorobenzene	95	8.670	8.668	(1.145)	180493	40.5806	202.90
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.748	1.757	(0.353)	256680	36.7643	183.82
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79355.D
Report Date: 30-Aug-2004 12:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	3.251	3.248	(0.656)	199480	18.0168	90.084
	25 trans-1,2-Dichloroethene	96	3.263	3.248	(0.659)	21494	4.47779	22.389
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.570	3.568	(0.721)	9703	1.11456	5.573
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				650220	137.625	688.12
	32 cis-1,2-dichloroethene	96	4.032	4.029	(0.814)	628726	133.147	665.74
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	4.730	4.727	(0.955)	112709	15.5762	77.881
	41 Benzene	78	4.730	4.739	(0.955)	115539	5.75209	28.760
	42 Trichloroethene	130	5.262	5.260	(1.062)	284012	69.4439	347.22
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.546	5.532	(1.119)	64718	1872.52	9362.6(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.836	6.834	(0.903)	3416	1.36654	6.833
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79355.D
Report Date: 30-Aug-2004 12:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.470	2.467	(0.499)	310127	76.3771	381.88
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.505	4.502	(0.909)	78845	13.6324	68.162
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79355.D

Date : 28-AUG-2004 05:02

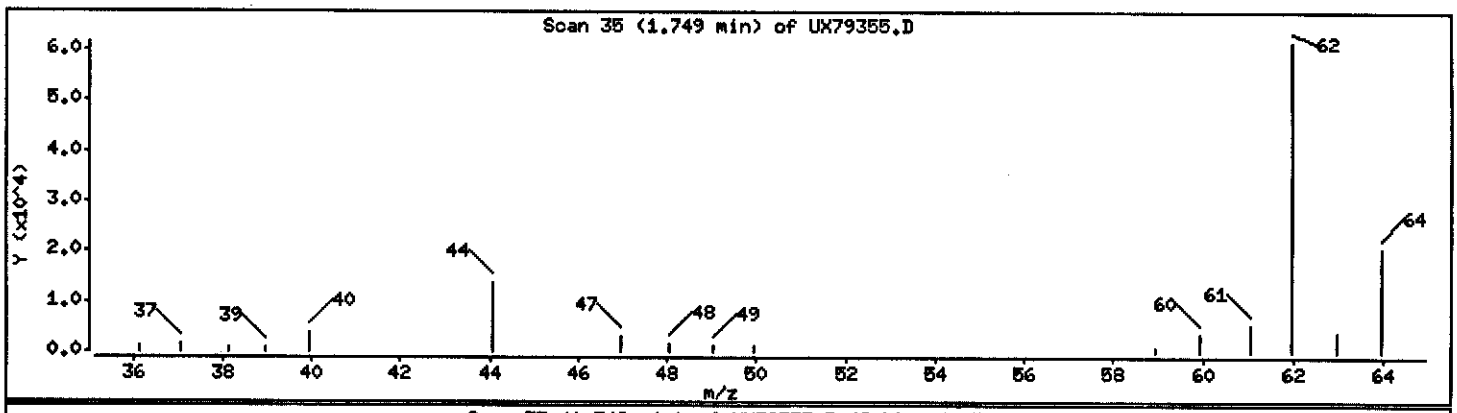
Client ID: DUP01/081804 Instrument: a3ux7.i

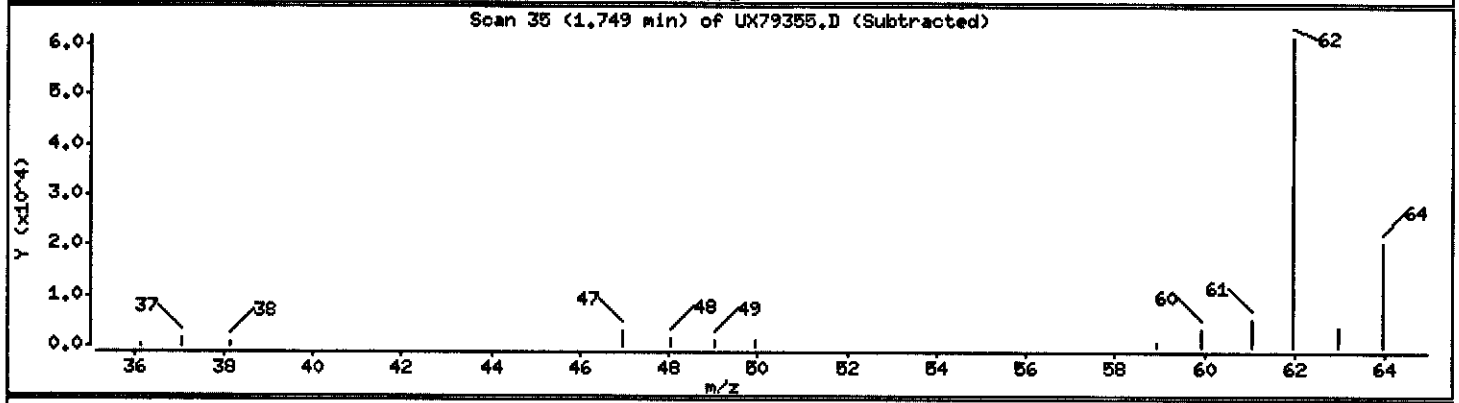
Sample Info: GNG5W1AA,0.2ML/5ML

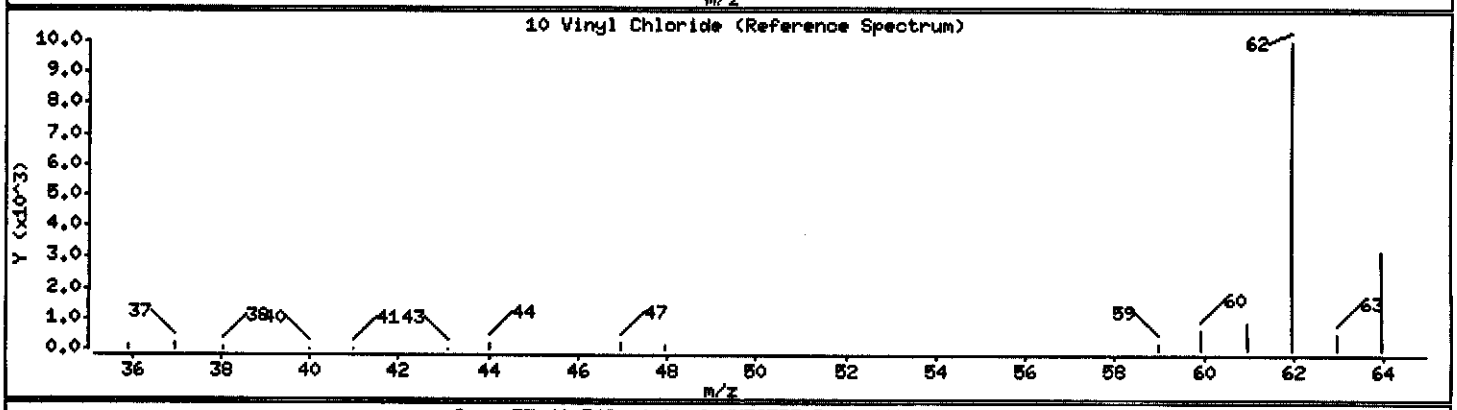
Purge Volume: 0.2 Operator: 1754

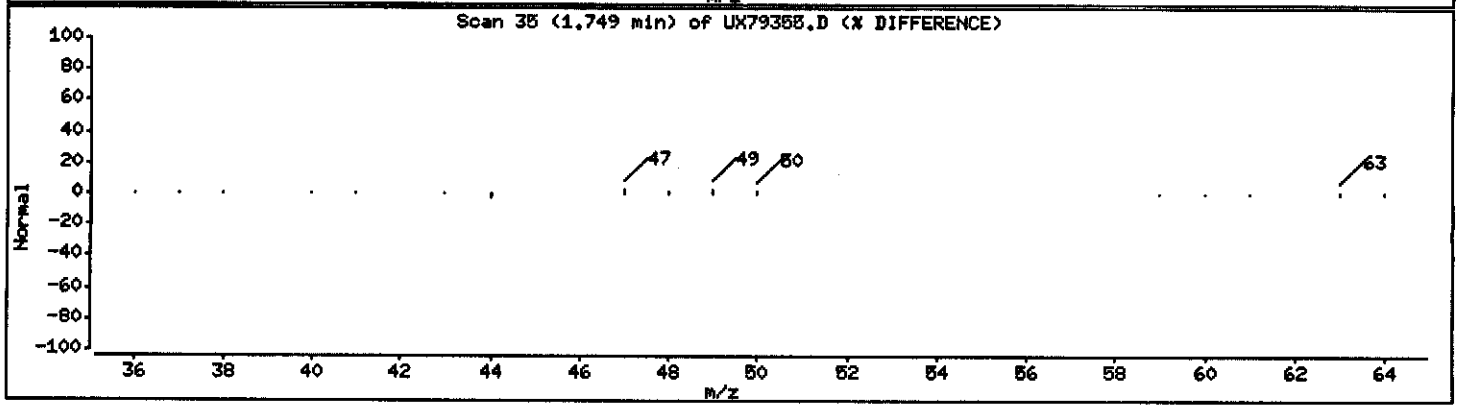
Column phase: DB624 20m Column diameter: 0.18

10 Vinyl Chloride Concentration: 183.82 ug/L









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Date : 28-AUG-2004 05:02

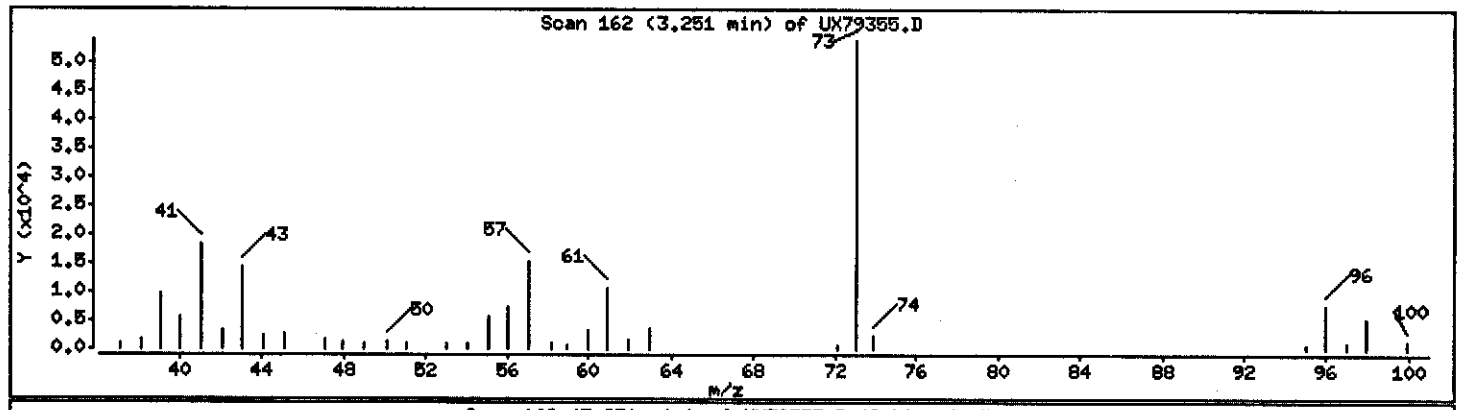
Client ID: DUP01/081804 Instrument: a3ux7.i

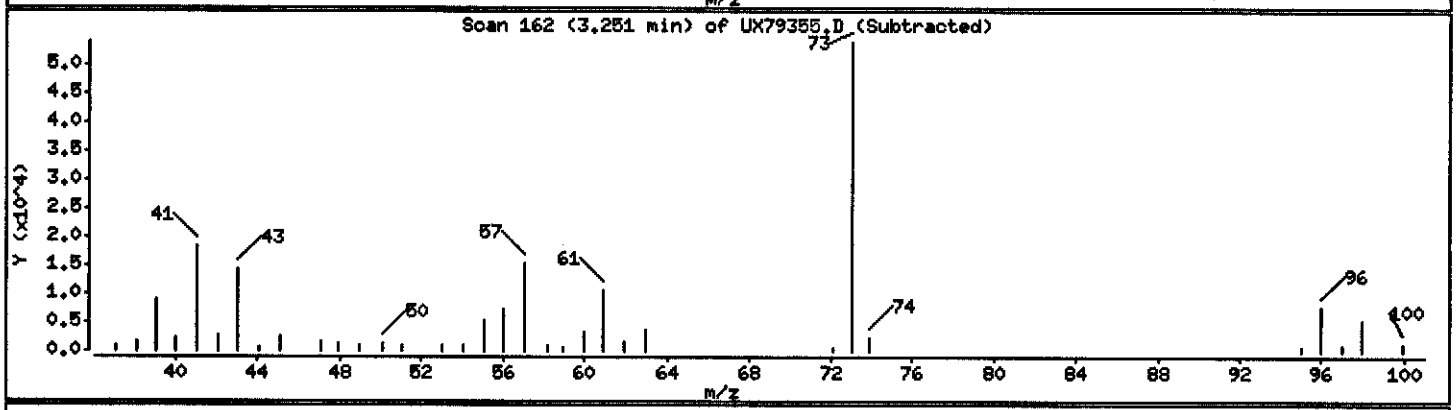
Sample Info: GNG5W1AA,0.2ML/5ML

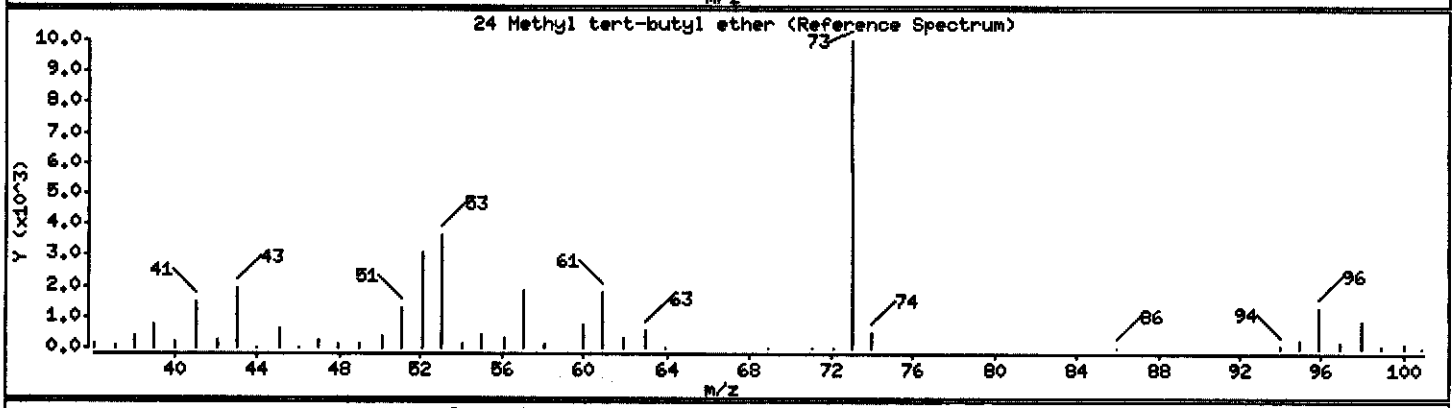
Purge Volume: 0.2 Operator: 1754

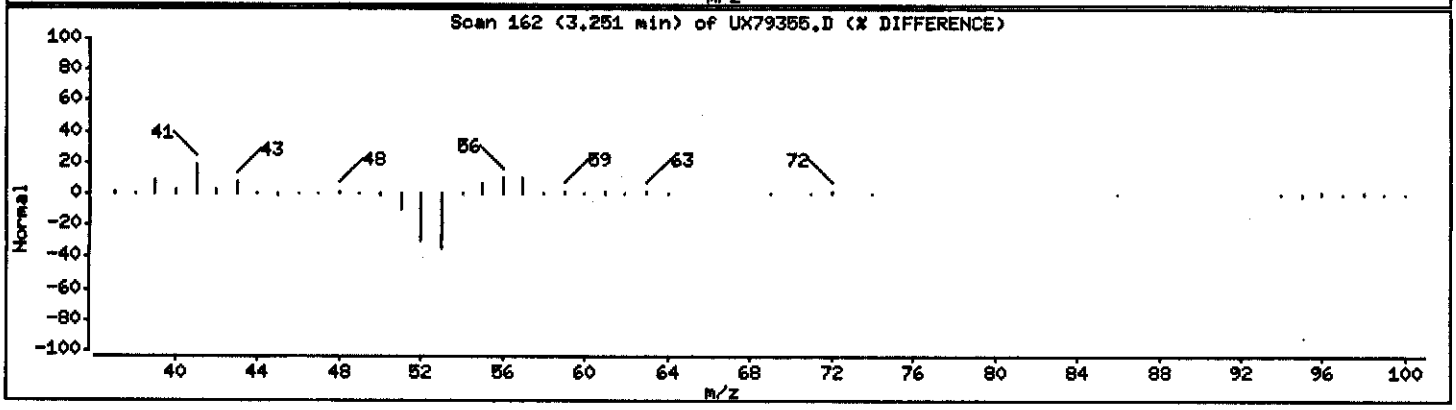
Column phase: DB624 20m Column diameter: 0.18

24 Methyl tert-butyl ether Concentration: 90.084 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79355.D

Date : 28-AUG-2004 05:02

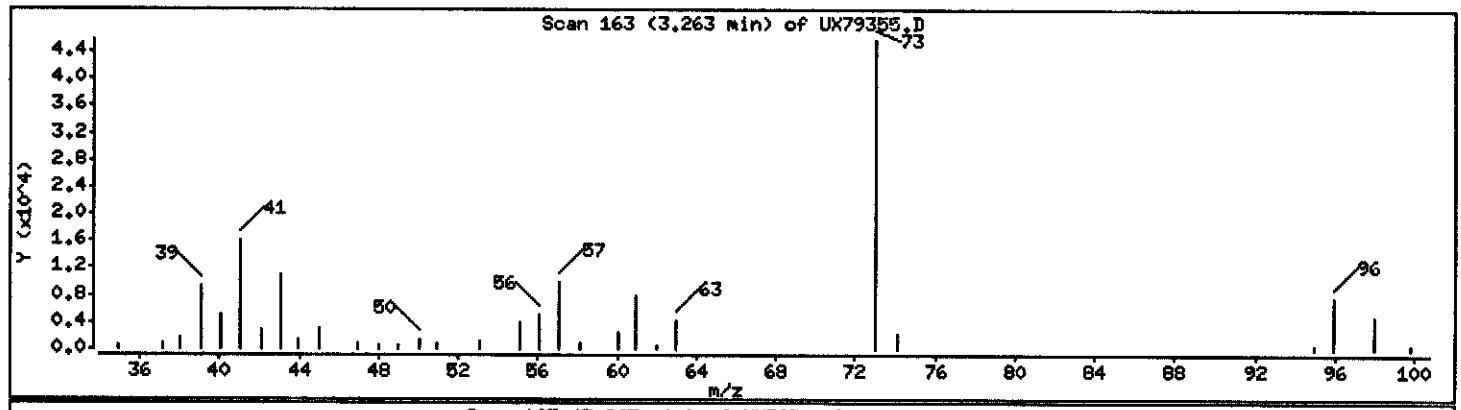
Client ID: DUP01/081804 Instrument: a3ux7.i

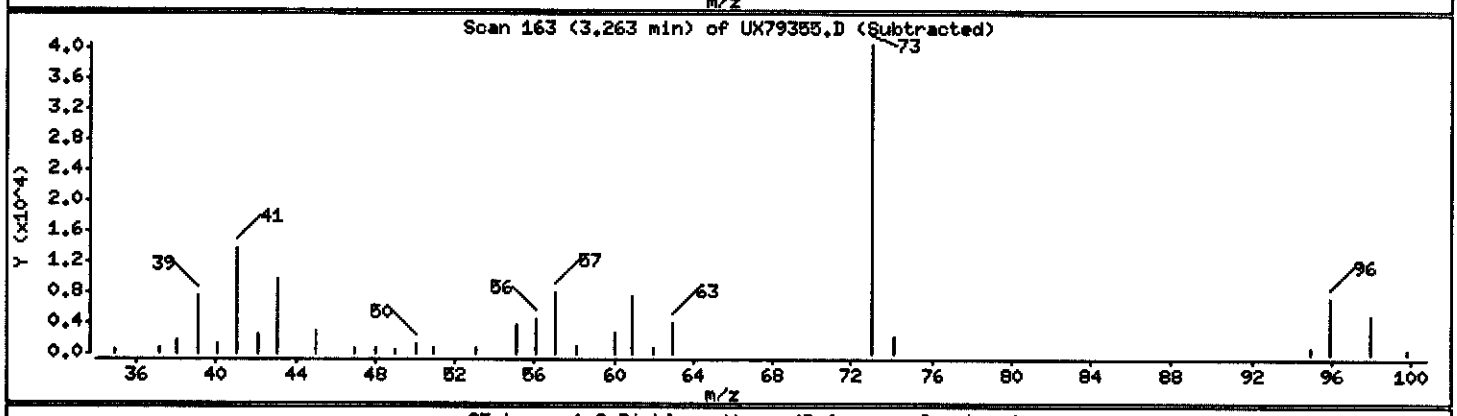
Sample Info: GNG5W1AA,0.2ML/5ML

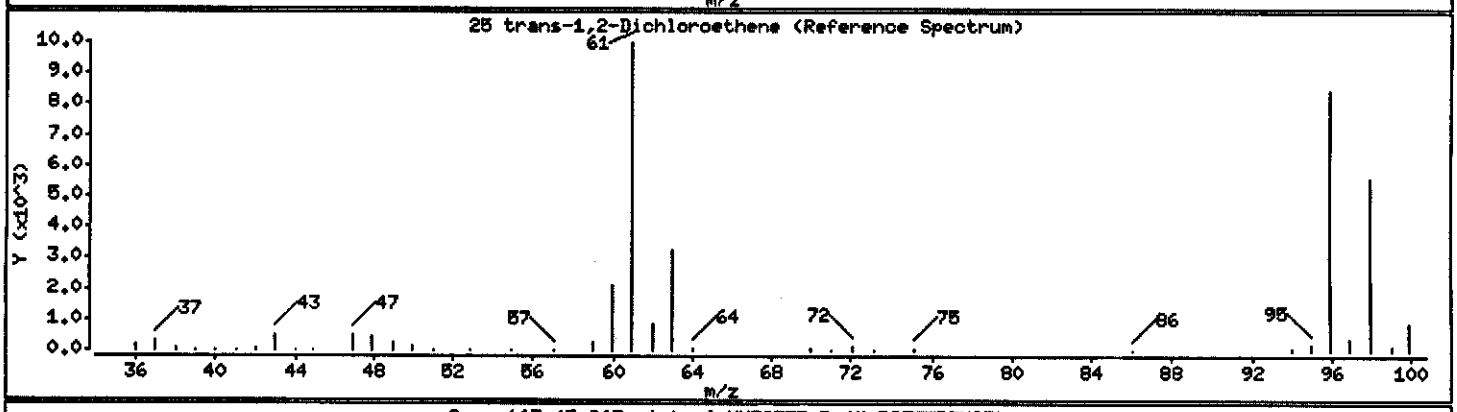
Purge Volume: 0.2 Operator: 1754

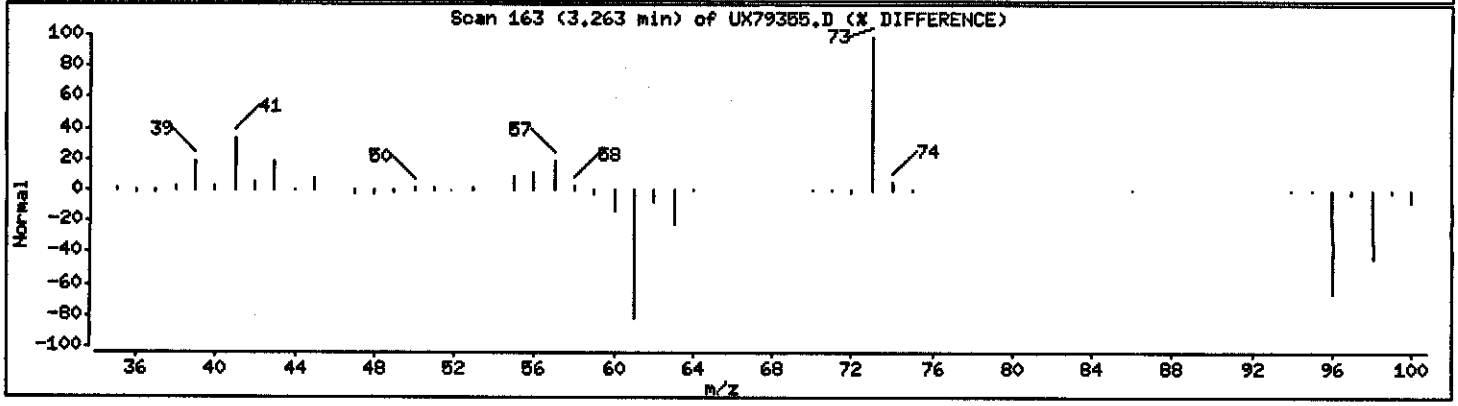
Column phase: DB624 20m Column diameter: 0.18

25 trans-1,2-Dichloroethene Concentration: 22.389 ug/L









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Date : 28-AUG-2004 05:02

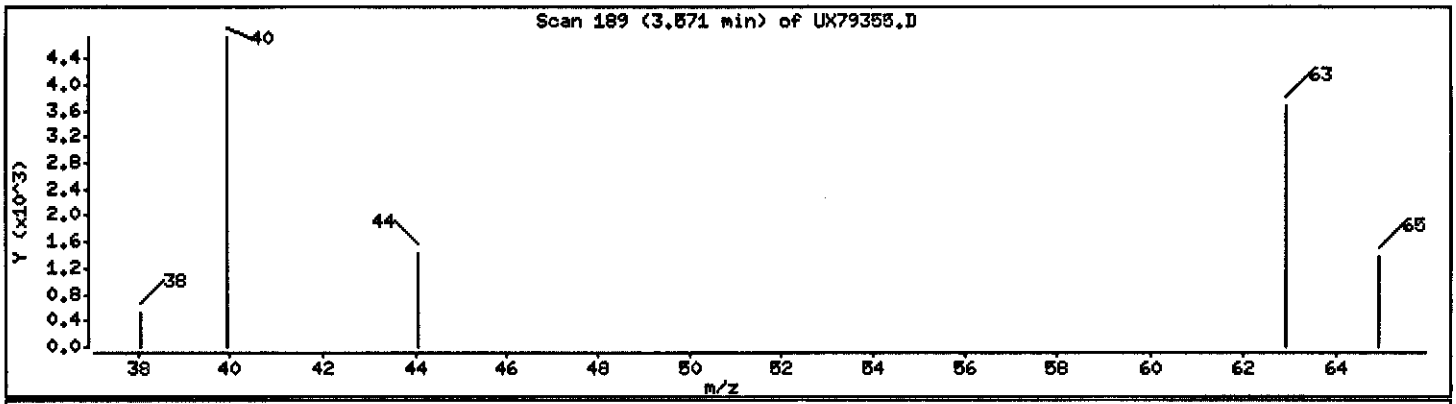
Client ID: DUP01/081804 Instrument: a3ux7.i

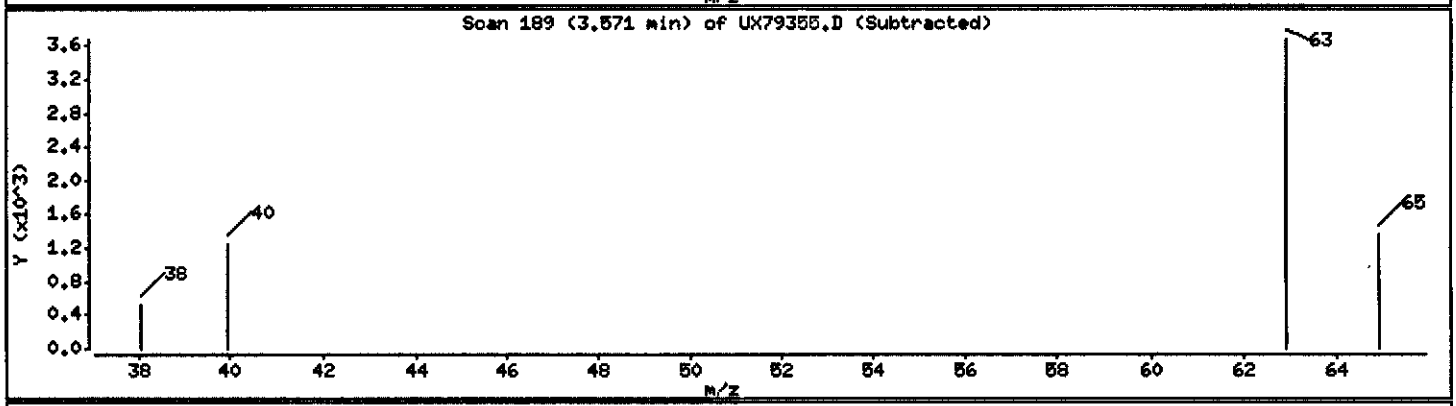
Sample Info: GNC5W1AA,0.2ML/5ML

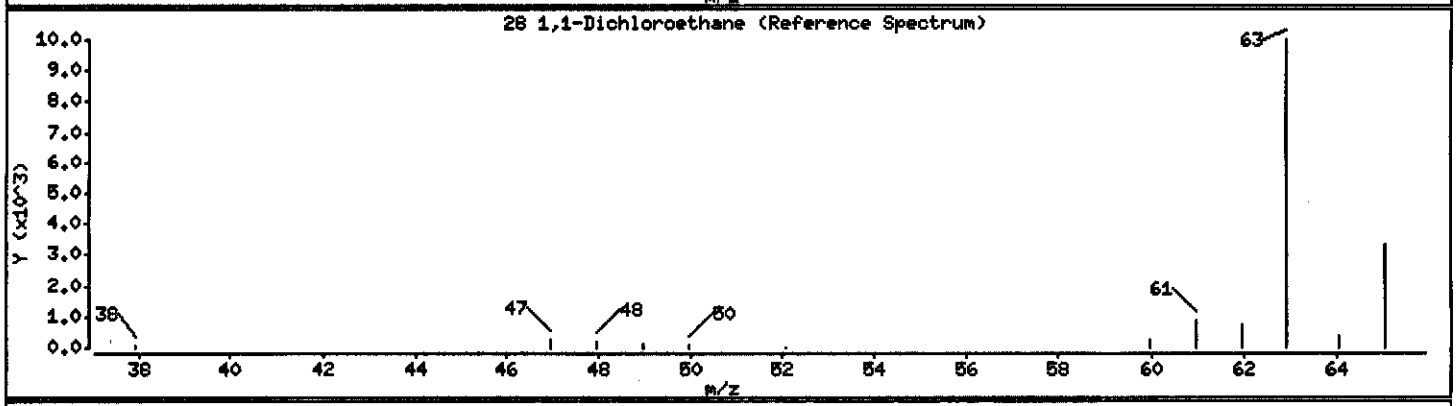
Purge Volume: 0.2 Operator: 1754

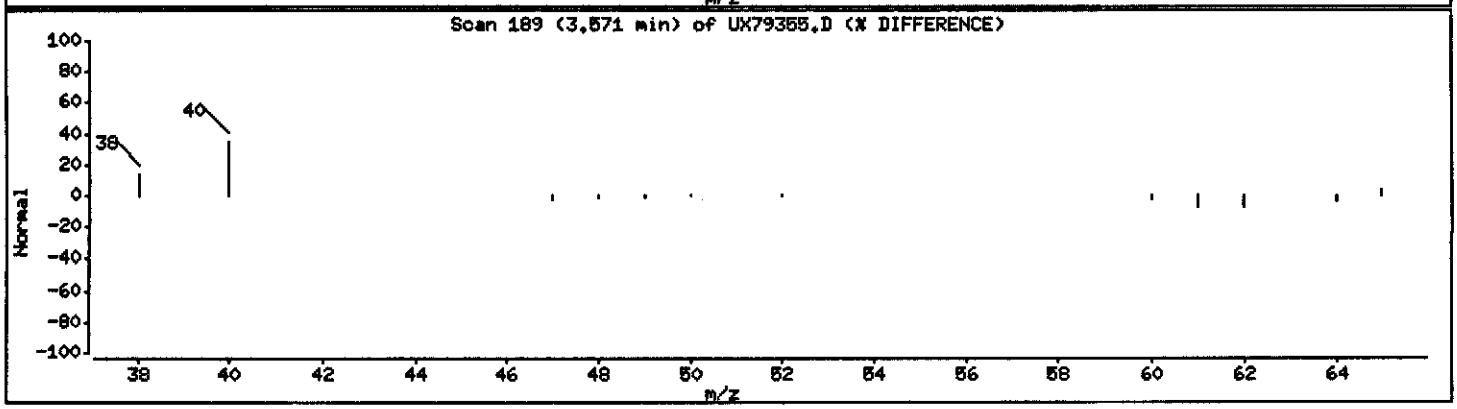
Column phase: DB624 20m Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 5.573 ug/L









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Date : 28-AUG-2004 05:02

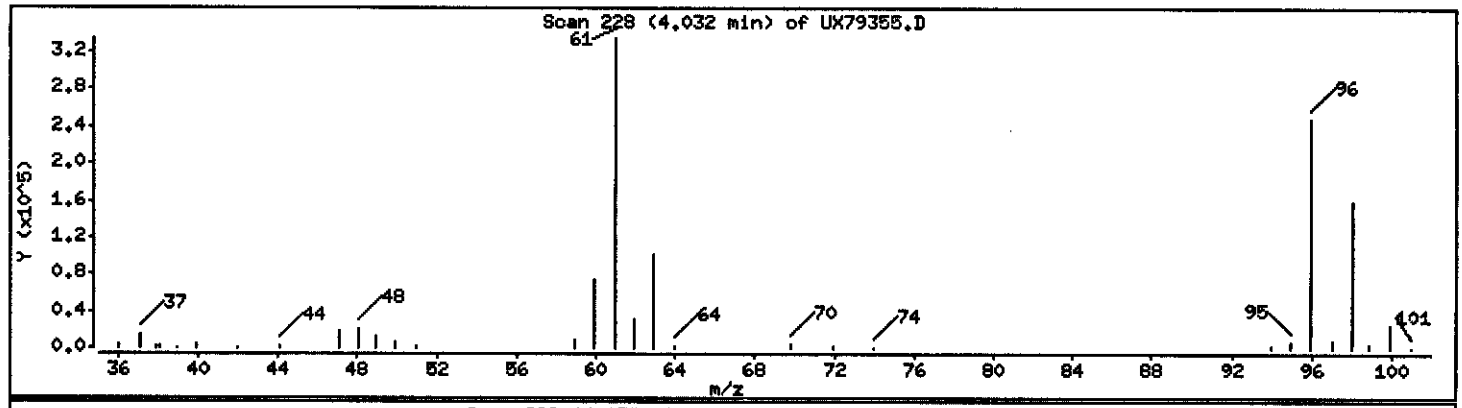
Client ID: DUP01/081804 Instrument: a3ux7.i

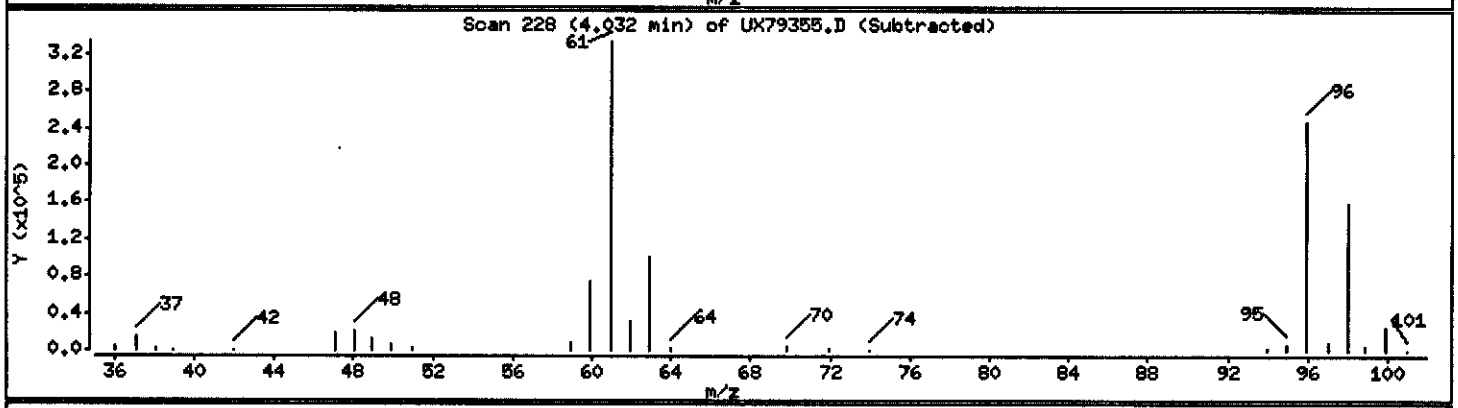
Sample Info: GNC5W1AA,0.2ML/5ML

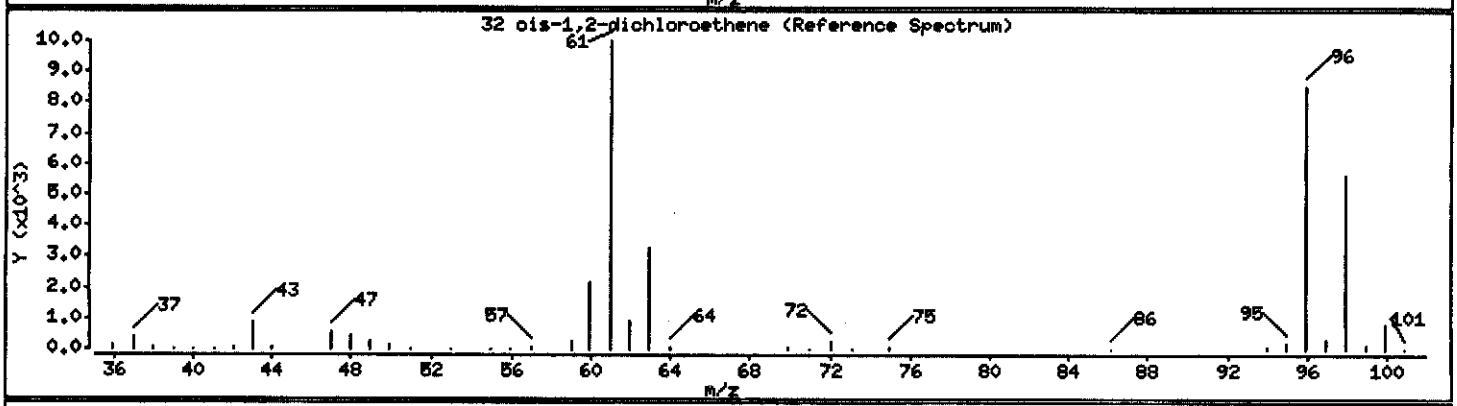
Purge Volume: 0.2 Operator: 1754

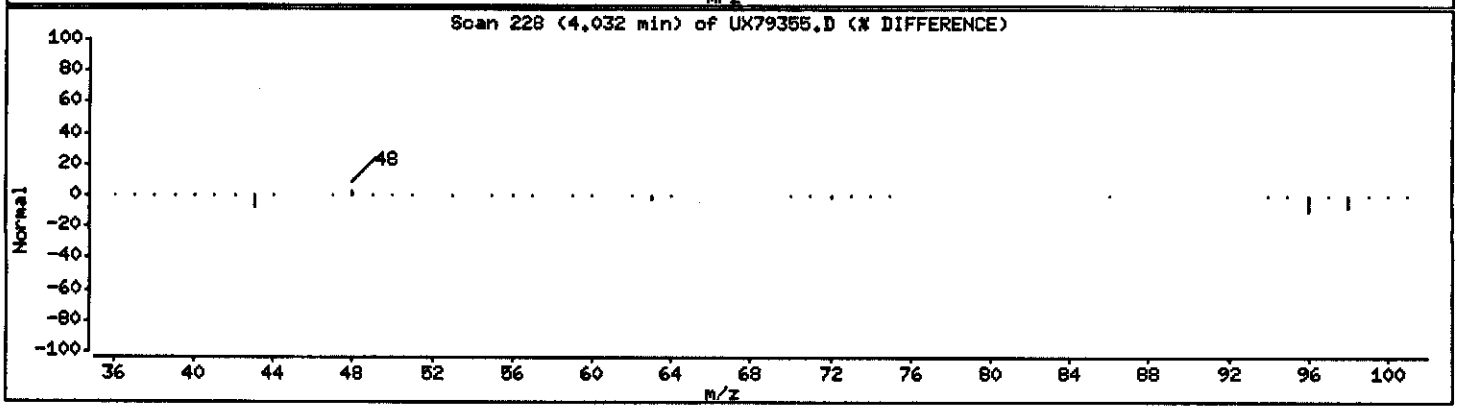
Column phase: DB624 20m Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 665.74 ug/L









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Date : 28-AUG-2004 05:02

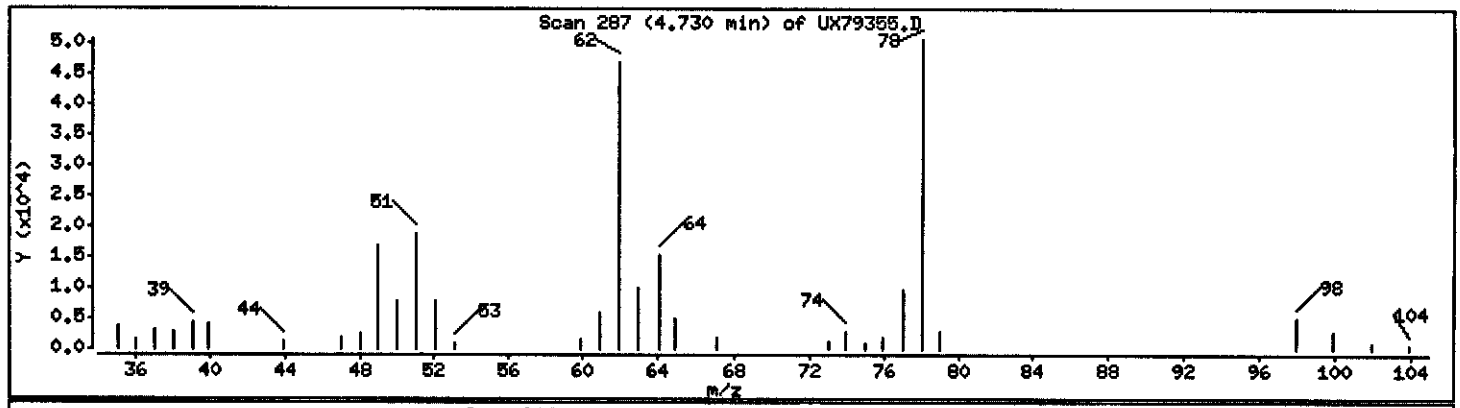
Client ID: DUP01/081804 Instrument: a3ux7.i

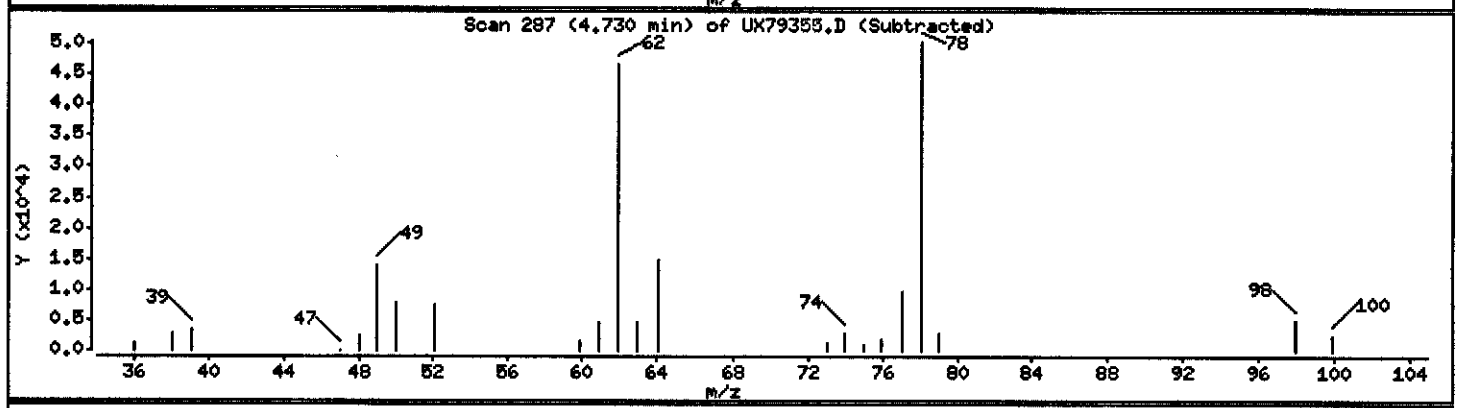
Sample Info: GNG5W1AA,0.2ML/5ML

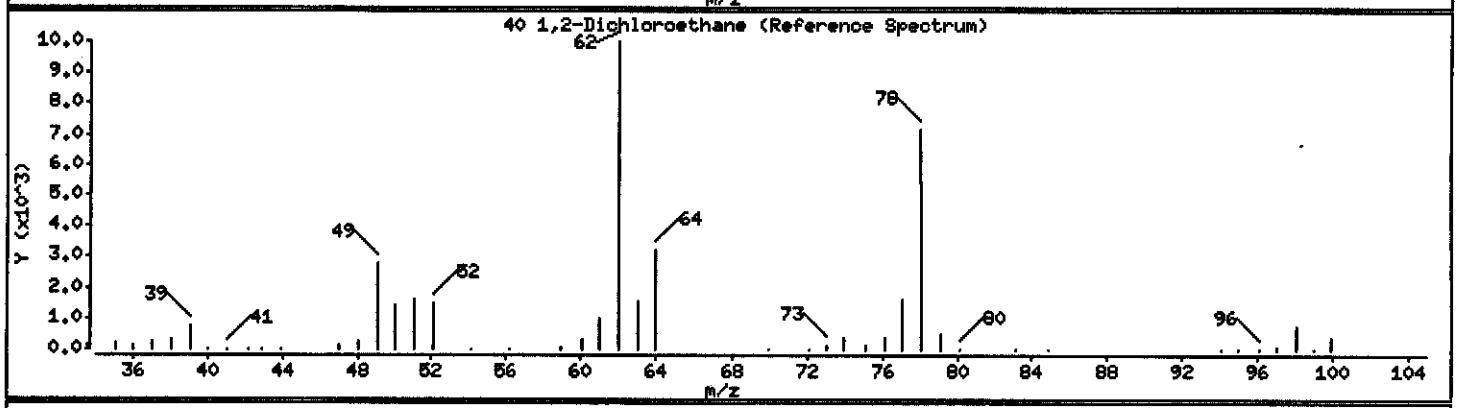
Purge Volume: 0.2 Operator: 1754

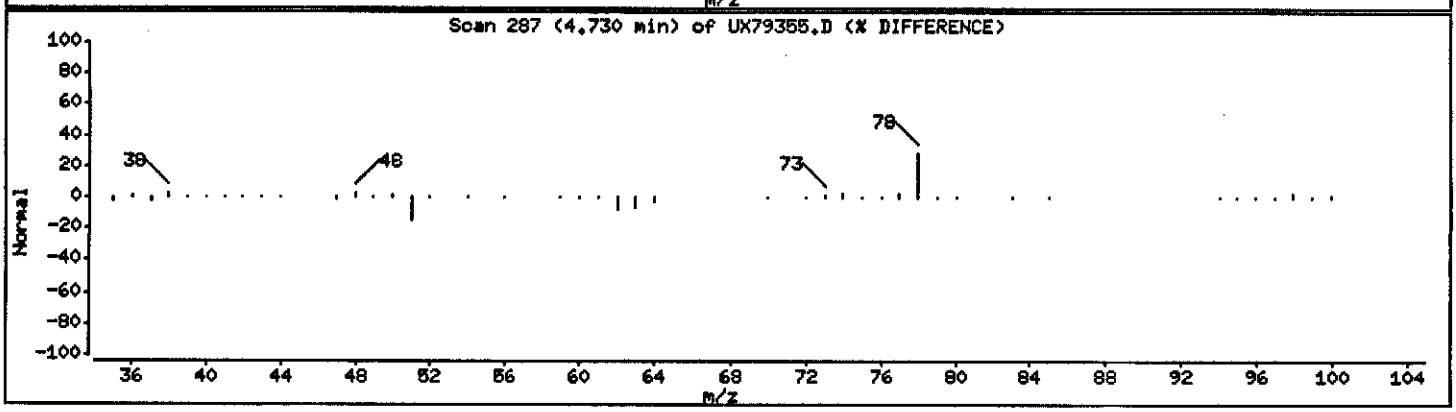
Column phase: DB624 20m Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 77.881 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79355.D

Date : 28-AUG-2004 05:02

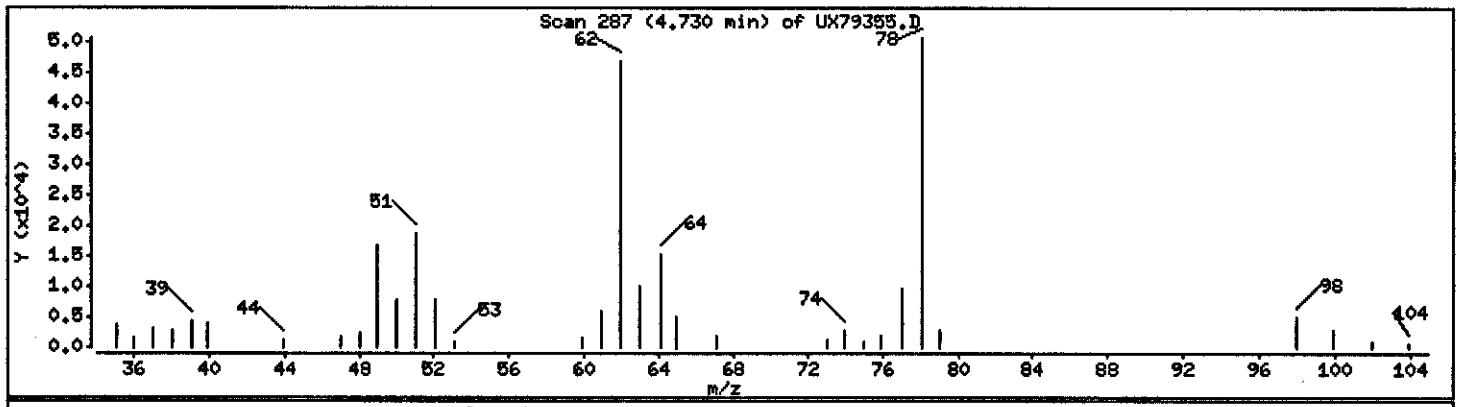
Client ID: DUP01/081804 Instrument: a3ux7.i

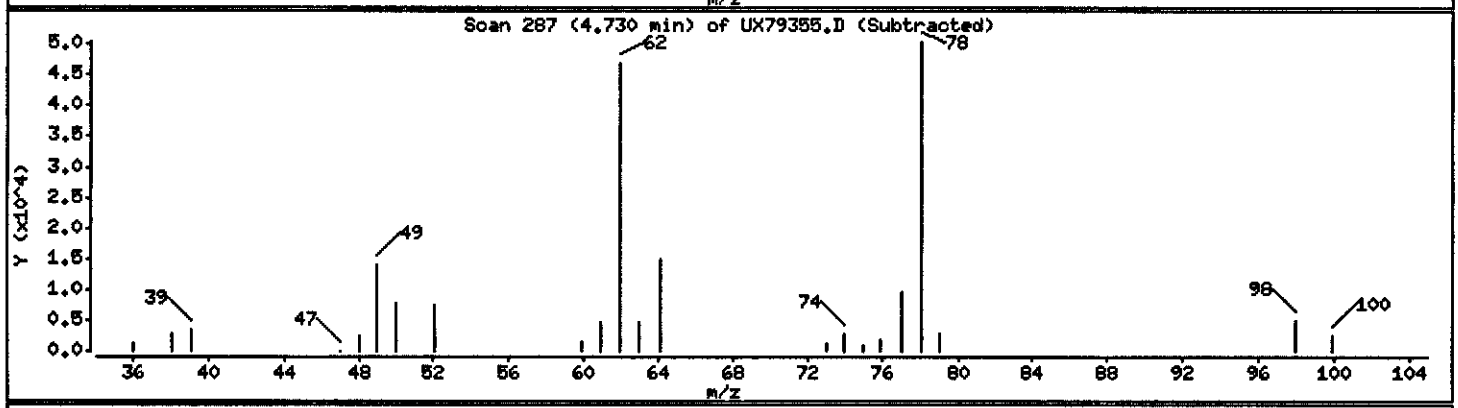
Sample Info: GNG5W1AA,0.2ML/5ML

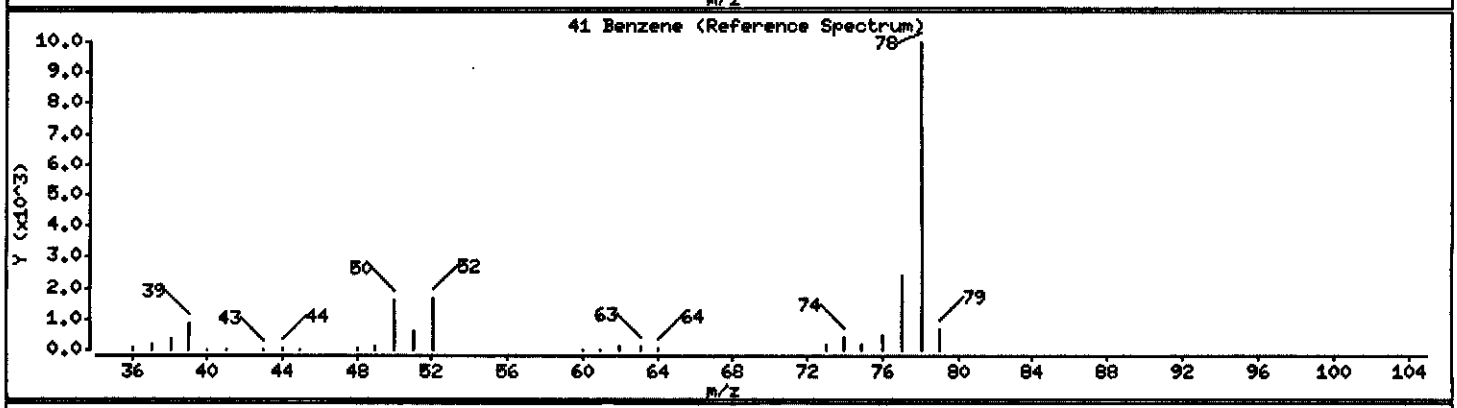
Purge Volume: 0.2 Operator: 1754

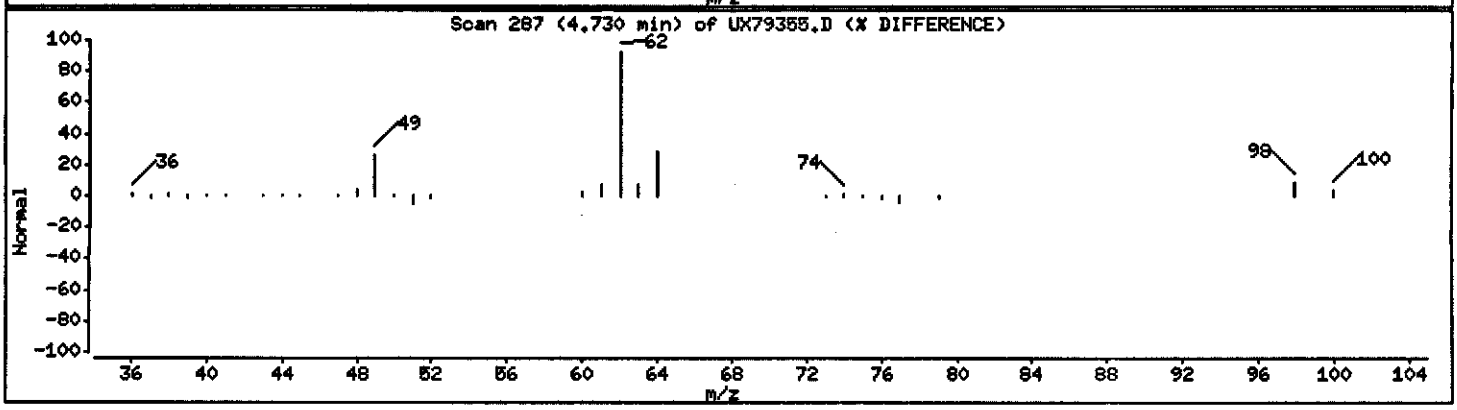
Column phase: DB624 20m Column diameter: 0.18

41 Benzene Concentration: 28.760 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79355.D

Date : 28-AUG-2004 05:02

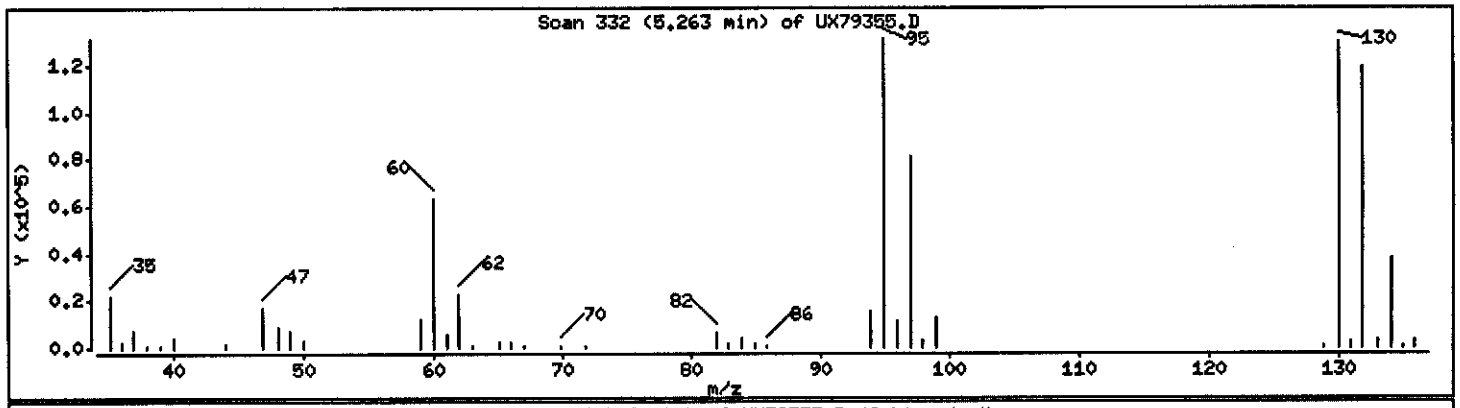
Client ID: DUP01/081804 Instrument: a3ux7.i

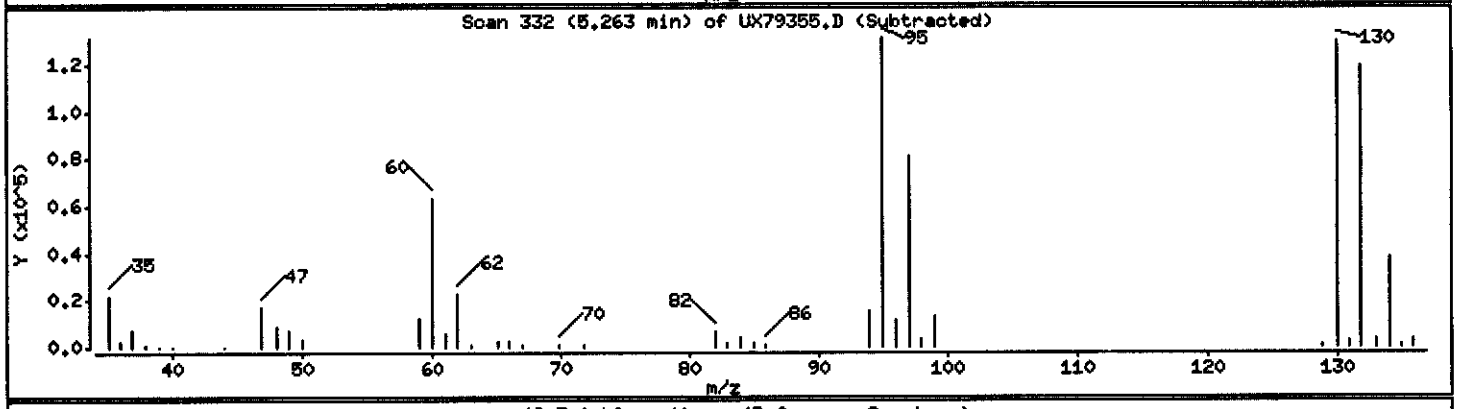
Sample Info: GNC5W1AA,0.2ML/5ML

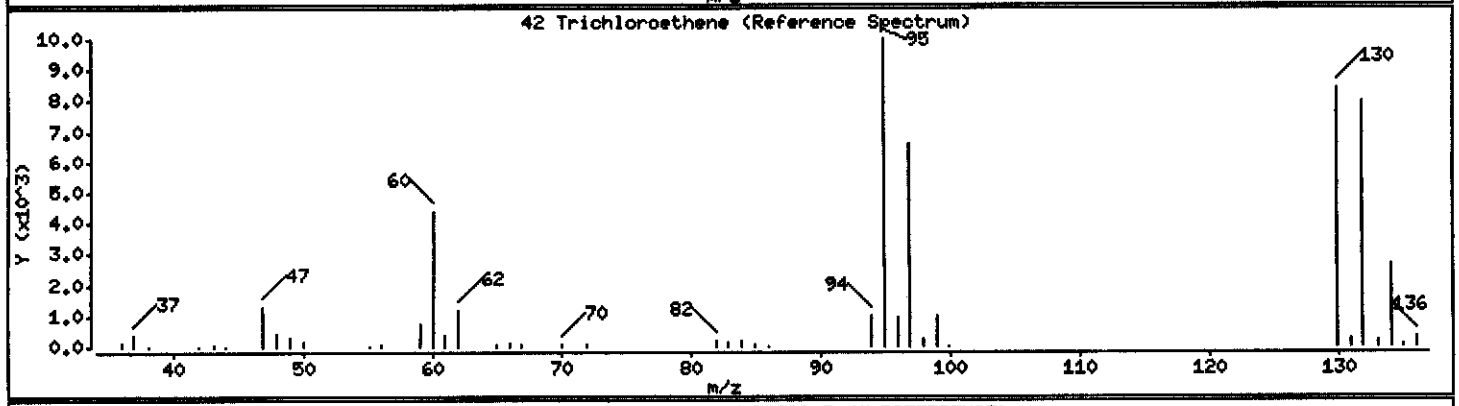
Purge Volume: 0.2 Operator: 1754

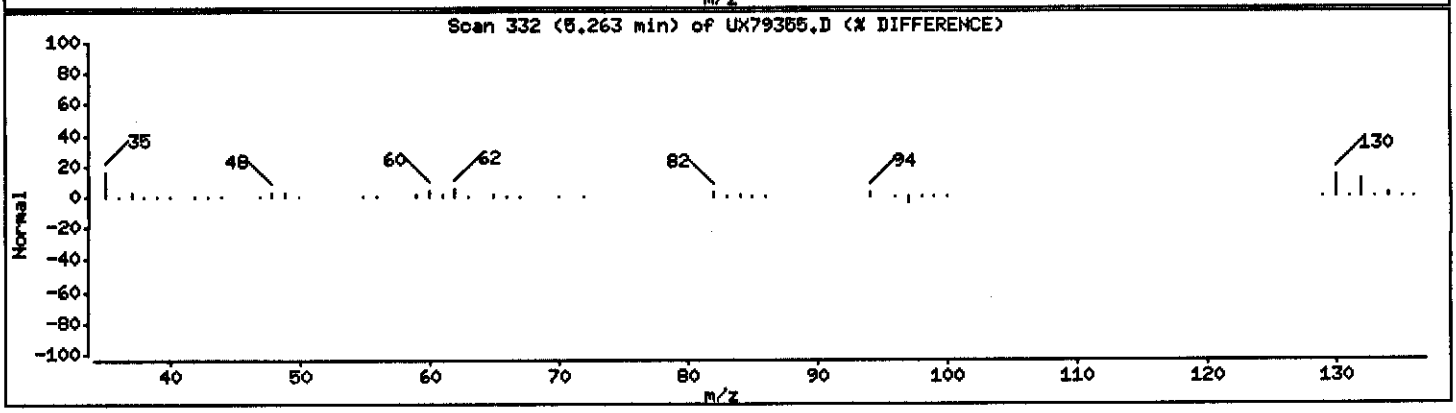
Column phase: DB624 20m Column diameter: 0.18

42 Trichloroethene Concentration: 347.22 ug/L









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Date : 28-AUG-2004 05:02

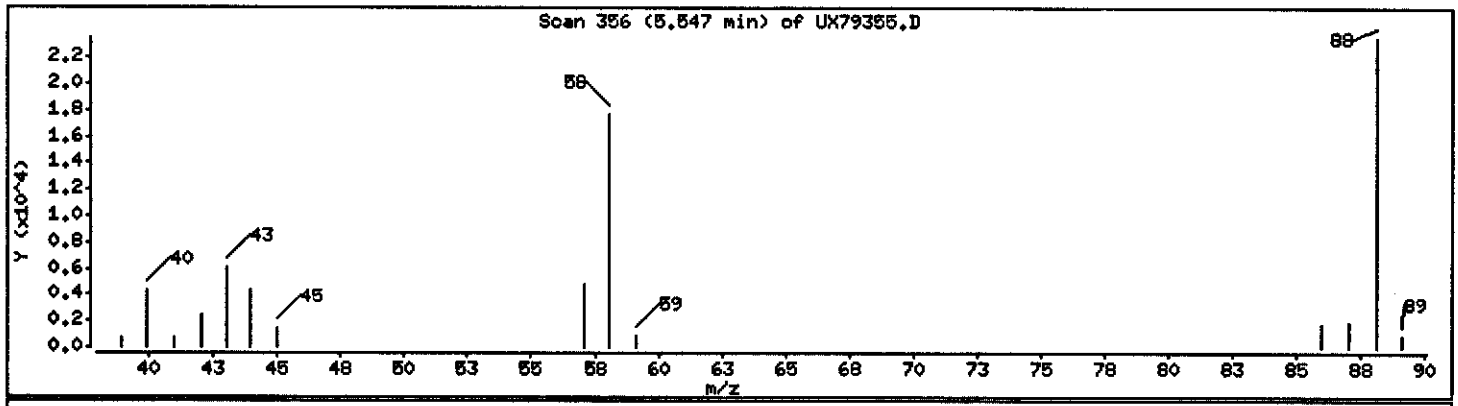
Client ID: DUP01/081804 Instrument: a3ux7.i

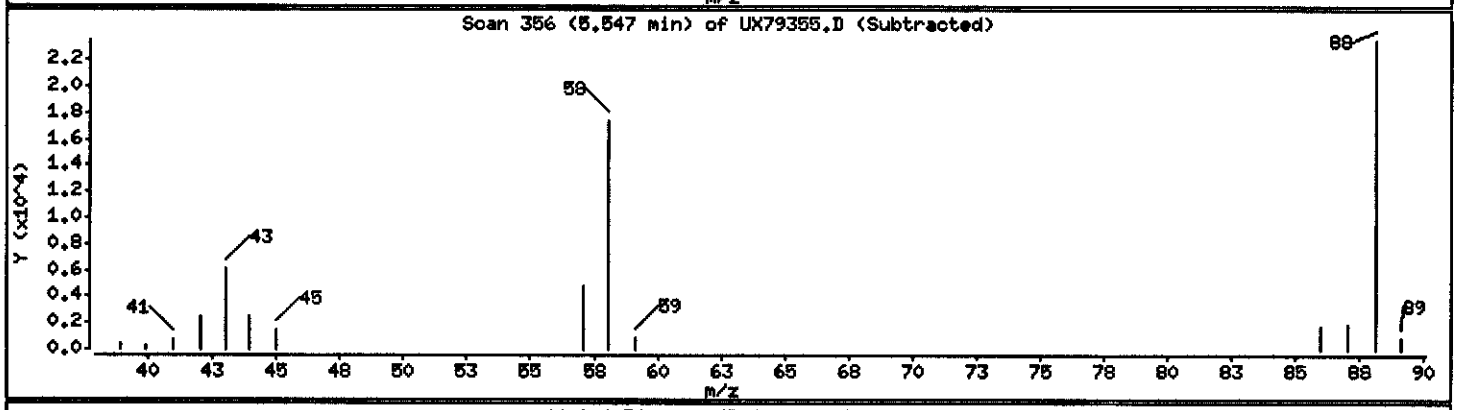
Sample Info: GNG5W1AA,0.2ML/5ML

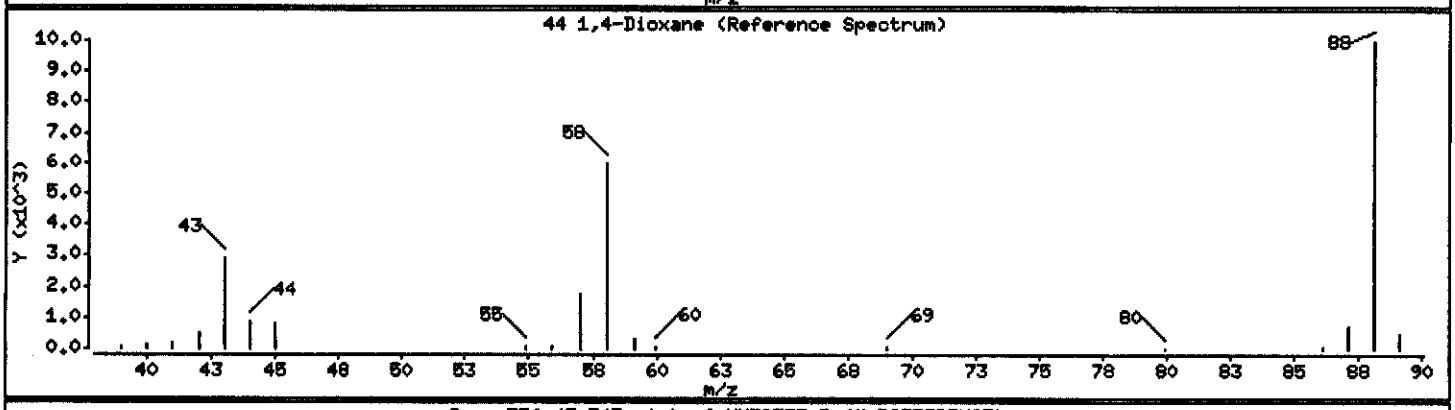
Purge Volume: 0.2 Operator: 1754

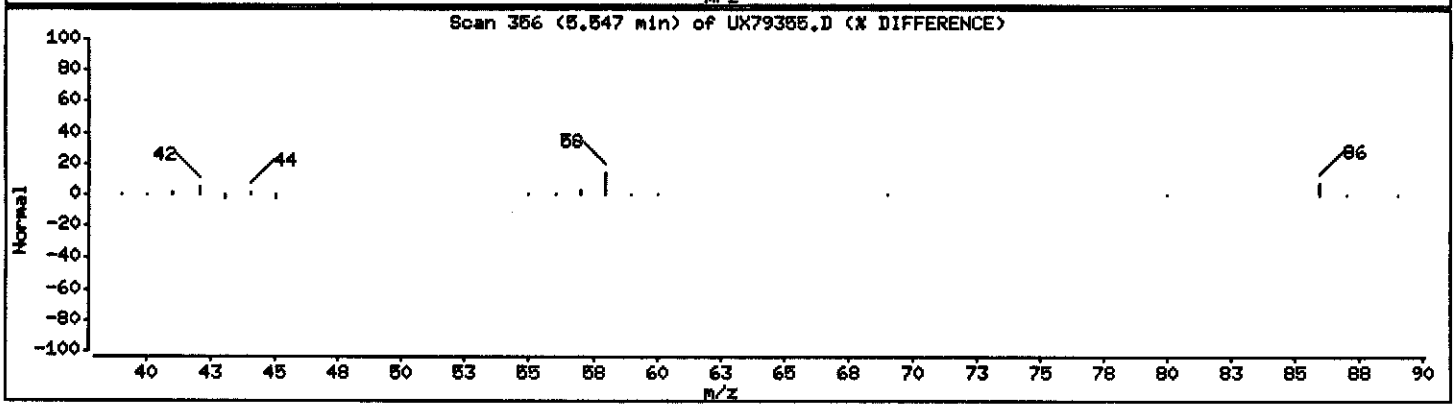
Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 9362.6 ug/L









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Date : 28-AUG-2004 05:02

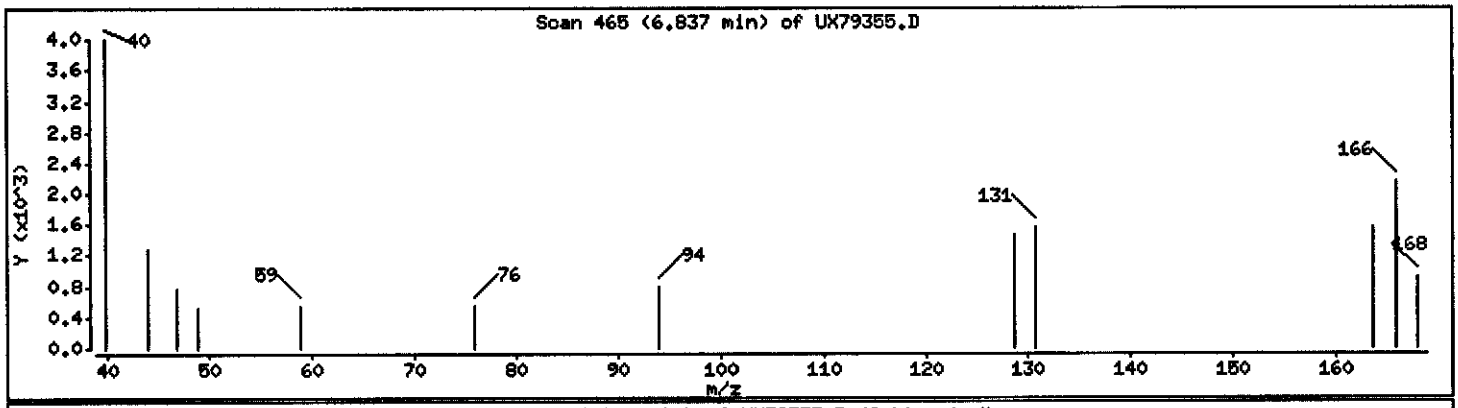
Client ID: DUP01/081804 Instrument: a3ux7.i

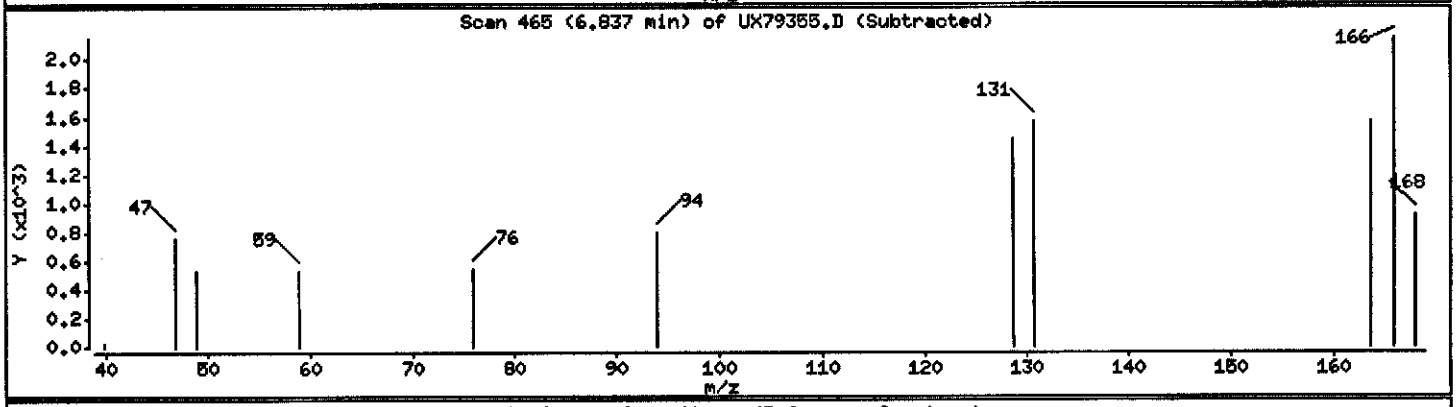
Sample Info: GNG5W1AA,0.2ML/5ML

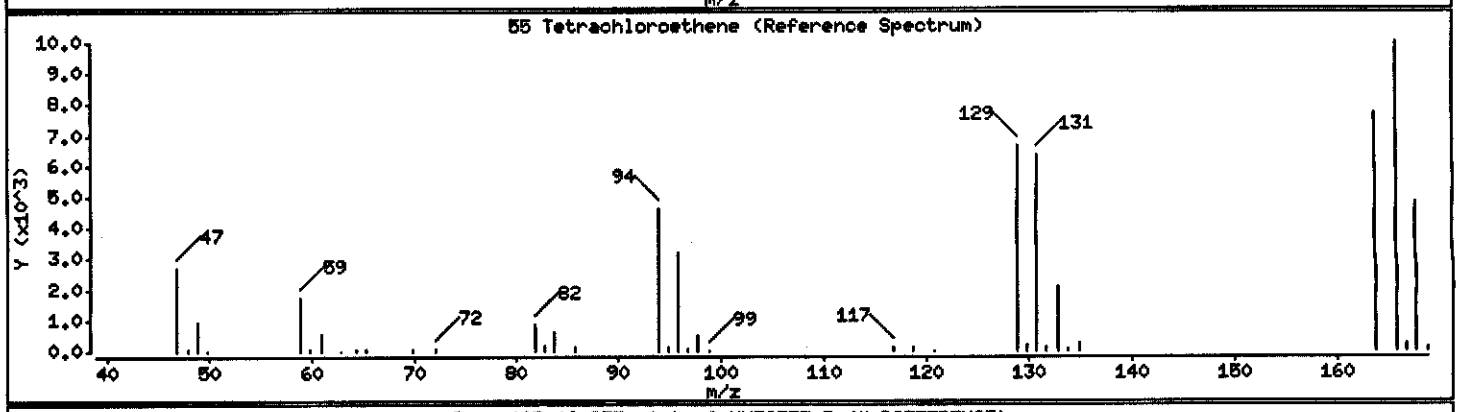
Purge Volume: 0.2 Operator: 1754

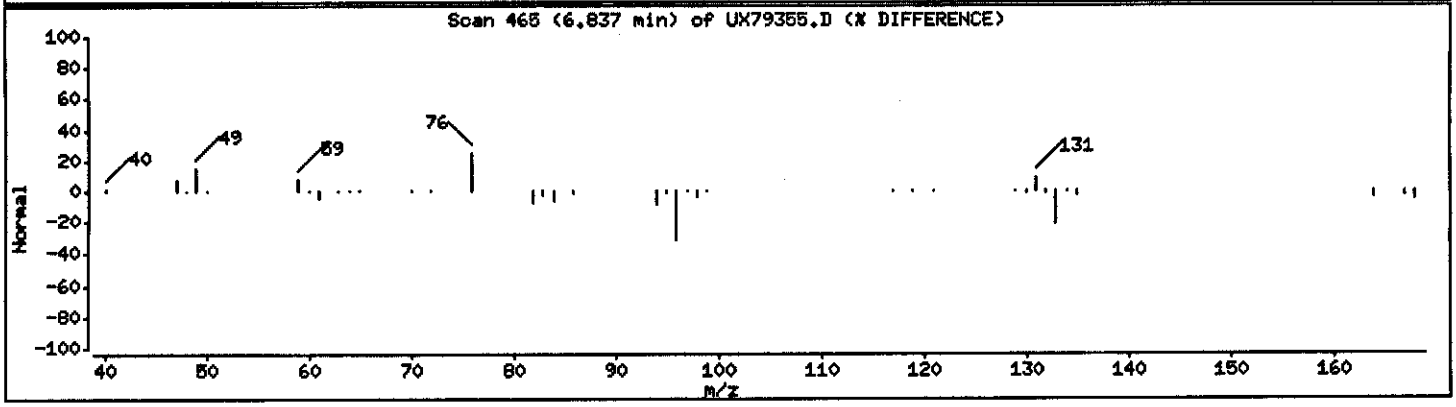
Column phase: DB624 20m Column diameter: 0.18

55 Tetrachloroethene Concentration: 6.833 ug/L









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Date : 28-AUG-2004 05:02

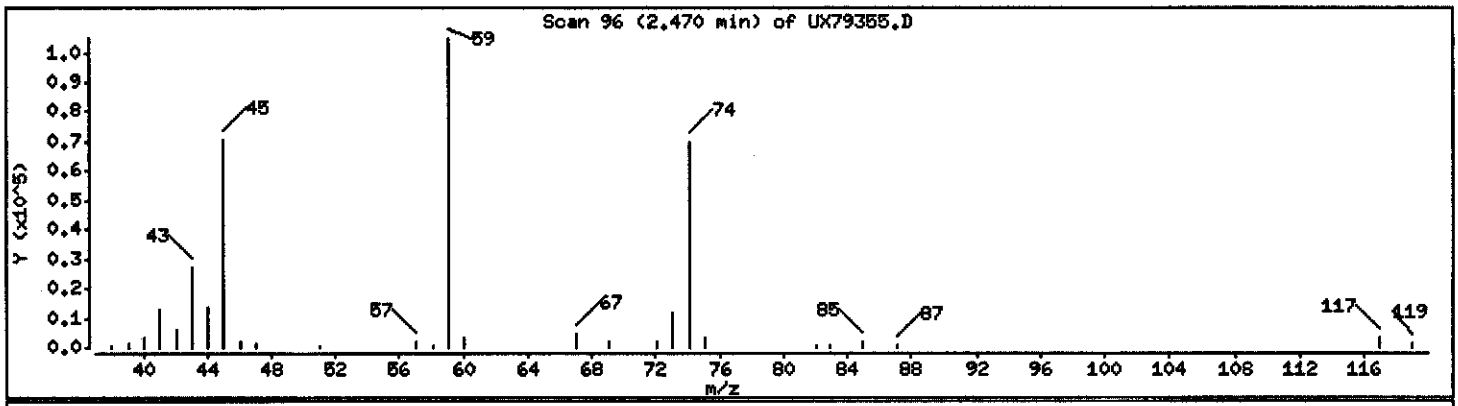
Client ID: DUP01/081804 Instrument: a3ux7.i

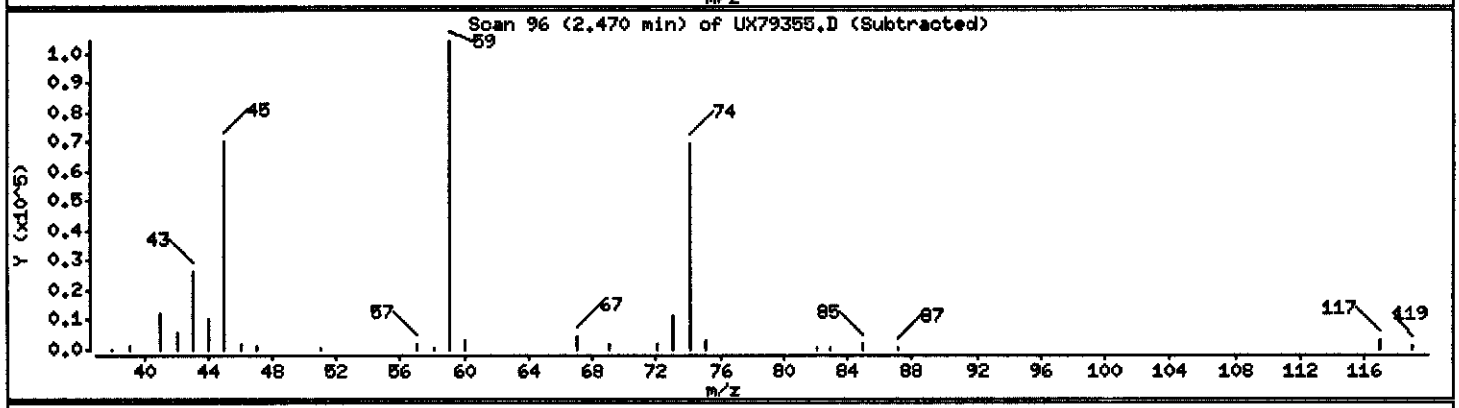
Sample Info: GNG5W1AA,0.2ML/5ML

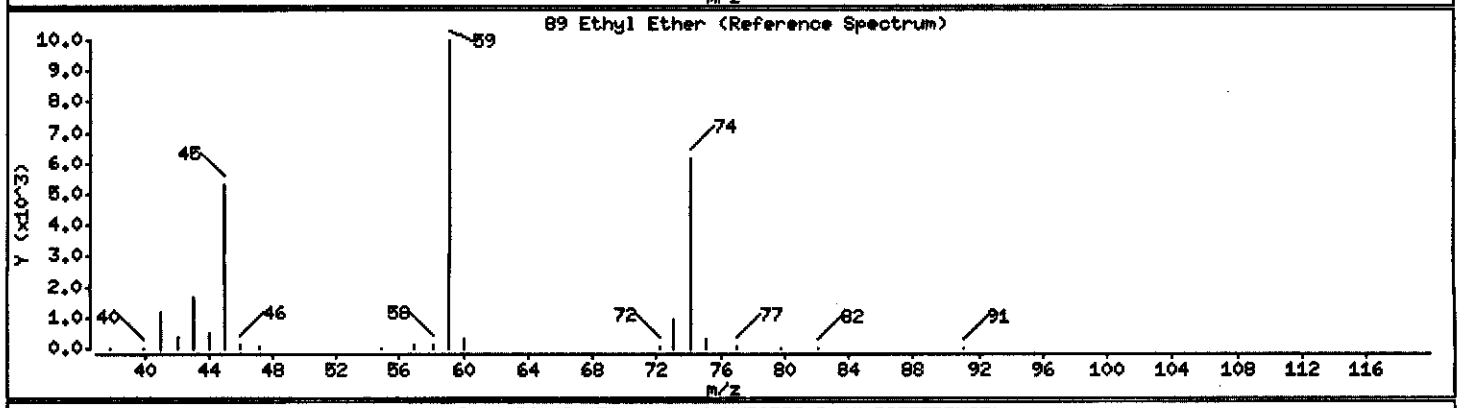
Purge Volume: 0.2 Operator: 1754

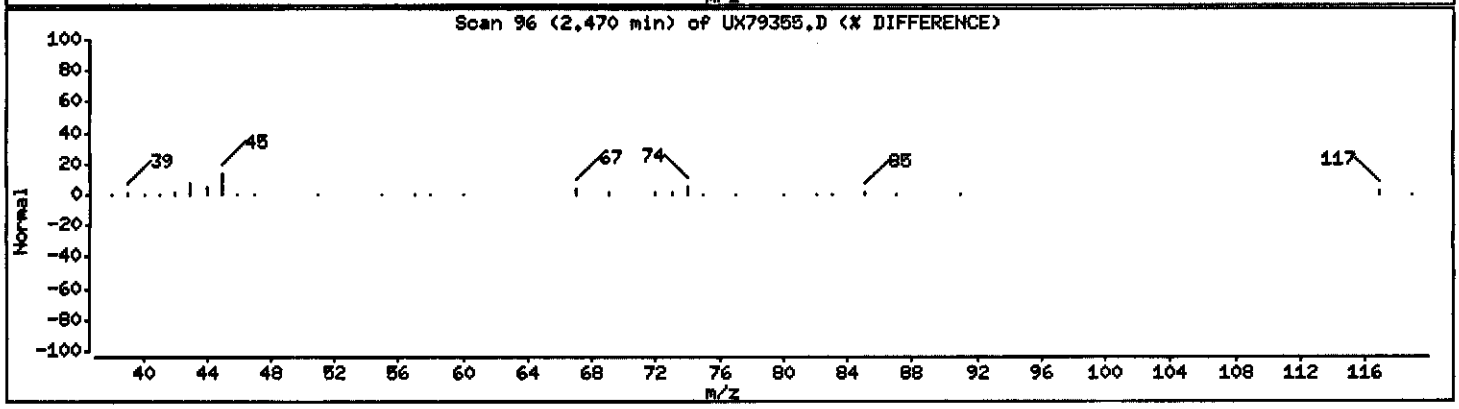
Column phase: DB624 20m Column diameter: 0.18

89 Ethyl Ether Concentration: 381.88 ug/L









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Date : 28-AUG-2004 05:02

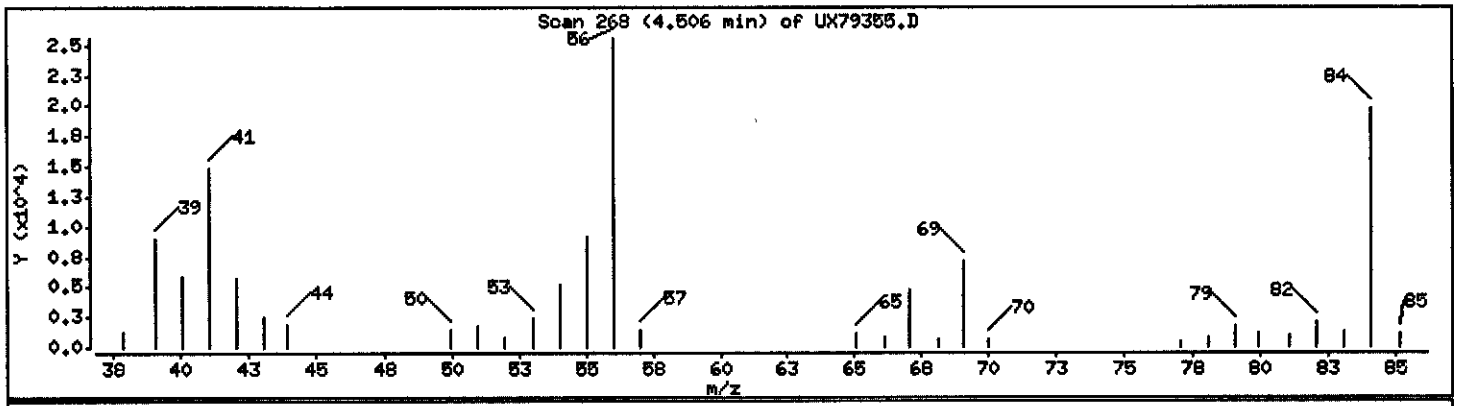
Client ID: DUP01/081804 Instrument: a3ux7.i

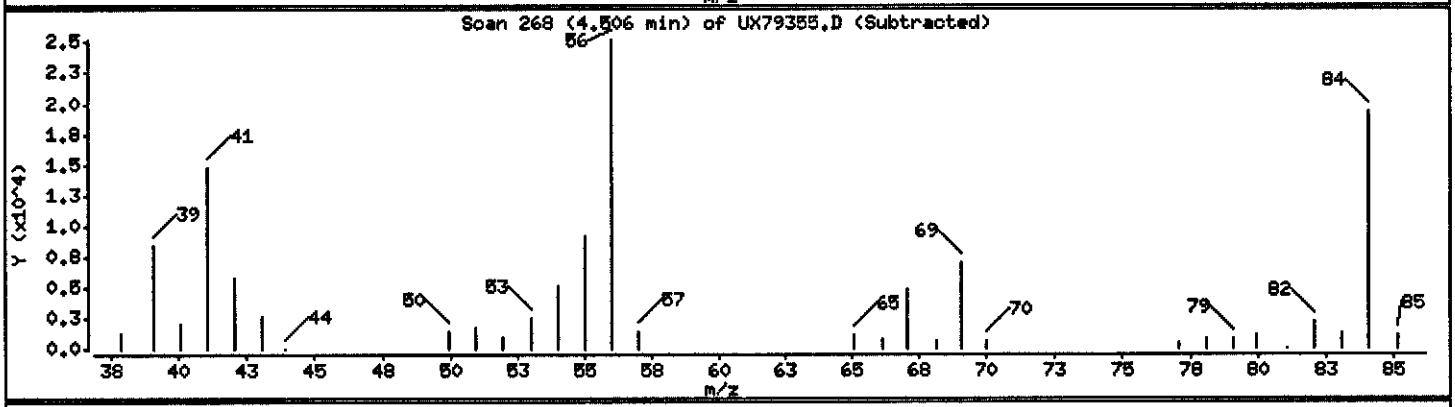
Sample Info: GNC5W1AA,0.2ML/5ML

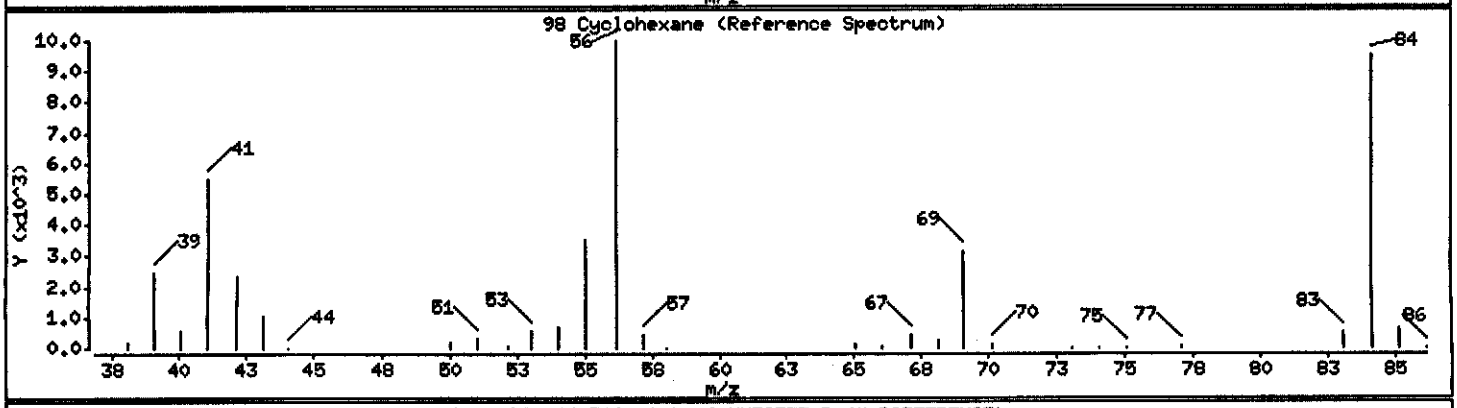
Purge Volume: 0.2 Operator: 1754

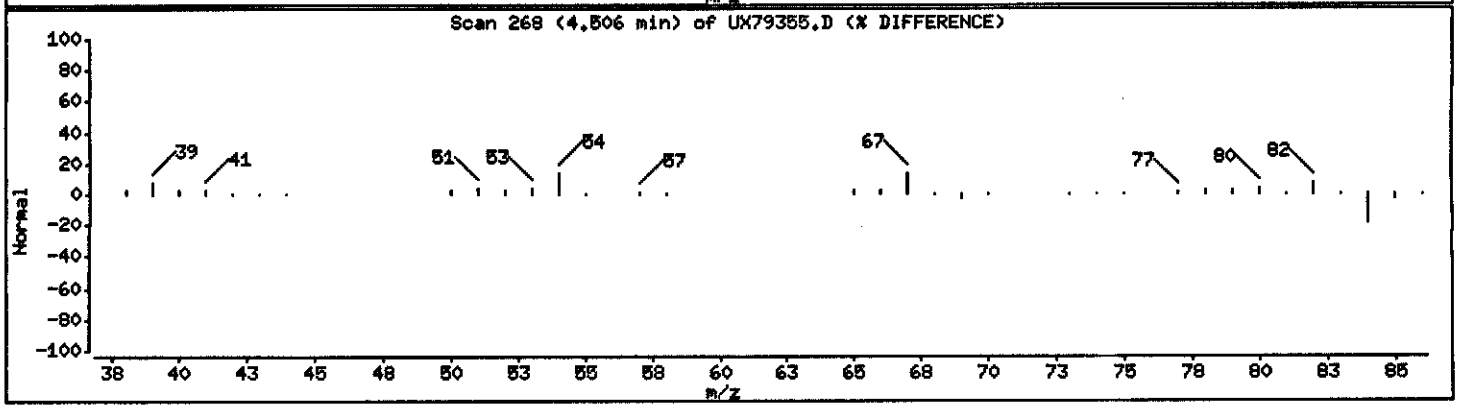
Column phase: DB624 20m Column diameter: 0.18

98 Cyclohexane Concentration: 68.162 ug/L









PAYNE FIRM INC.

Client Sample ID: TB03/081804

GC/MS Volatiles

Lot-Sample #...: A4H190207-012 **Work Order #...:** GNG5X1AA **Matrix.....:** WQ
Date Sampled...: 08/18/04 **Date Received..:** 08/19/04
Prep Date.....: 08/28/04 **Analysis Date..:** 08/28/04
Prep Batch #...: 4243253
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	**85**	**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: TB03/081804

GC/MS Volatiles

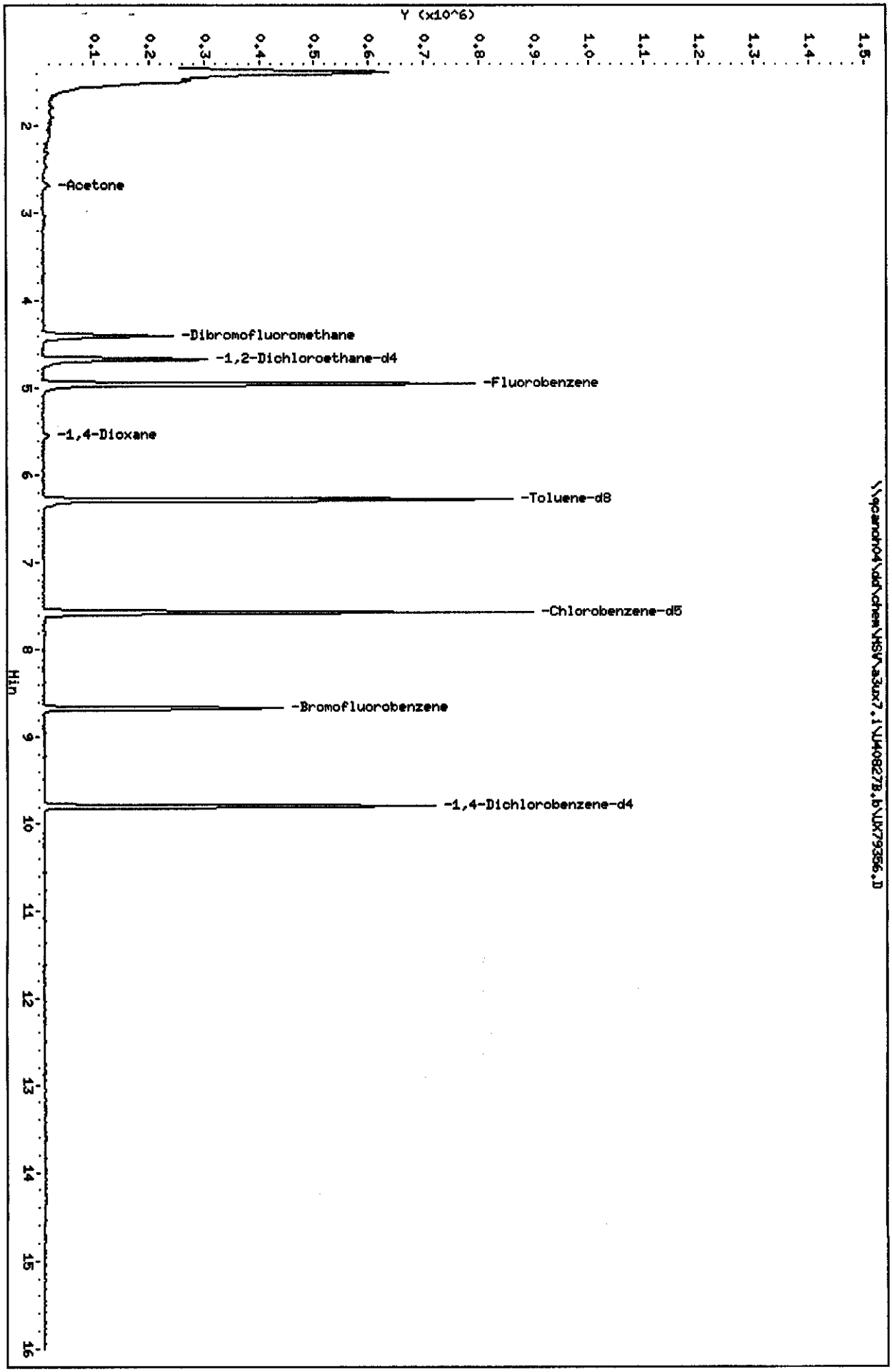
Lot-Sample #...: A4H190207-012 **Work Order #...:** GNG5X1AA **Matrix.....:** WQ

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

Data File: \\qcandn04\dd\chem\HSV\a3ux7.i\U408278.b\UX79356.D
Date : 28-AUG-2004 05:25
Client ID: TB03/081804
Sample Info: GN5X1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

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



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Report Date: 30-Aug-2004 12:24

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79356.D
Lab Smp Id: GNG5X1AA Client Smp ID: TB03/081804
Inj Date : 28-AUG-2004 05:25
Operator : 1754 Inst ID: a3ux7.i
Smp Info : GNG5X1AA,5ML/5ML
Misc Info : U40827B,N8260UX7-3,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 30-Aug-2004 12:06 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	798346	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	529974	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.792	(1.000)	197752	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	178302	50.1737	10.035
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	262717	49.3819	9.876
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	647698	47.4148	9.483
$ 7 Bromofluorobenzene	95	8.667	8.668	(1.145)	175580	40.3102	8.062
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.680	2.680	(0.541)	21249	3.26462	0.6529
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79356.D
Report Date: 30-Aug-2004 12:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.543	5.532	(1.119)	11057	425.191	85.038(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79356.D
Report Date: 30-Aug-2004 12:24

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

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79356.D

Date : 28-AUG-2004 05:25

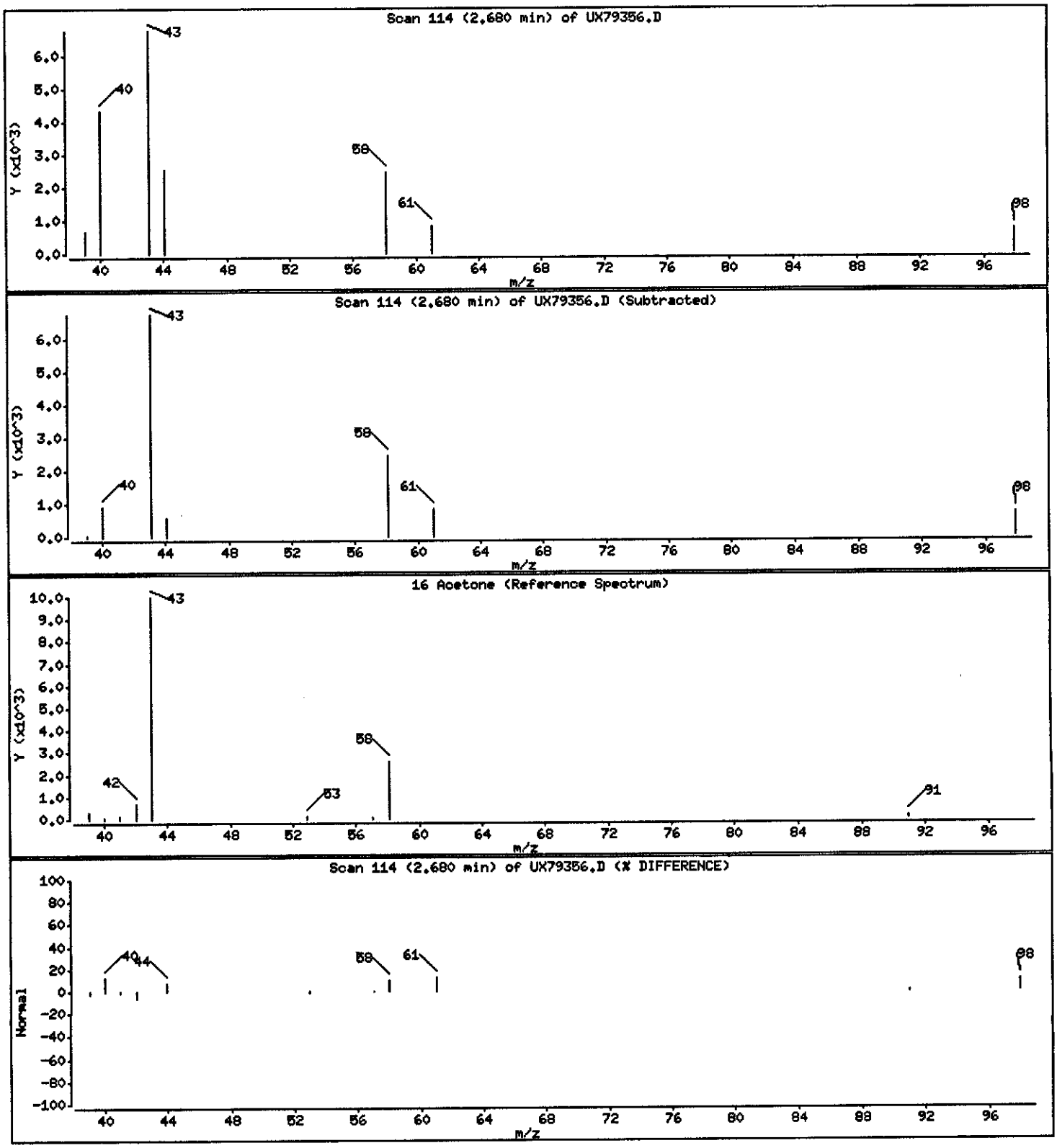
Client ID: TB03/081804 Instrument: a3ux7.i

Sample Info: GNC5X1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 0.6529 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79356.D

Date : 28-AUG-2004 05:25

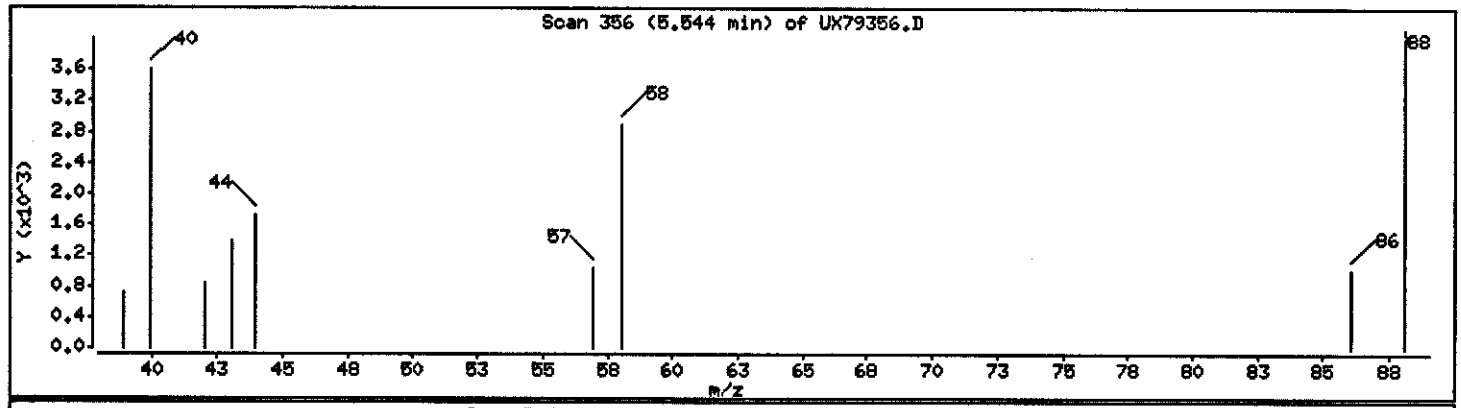
Client ID: TB03/081804 Instrument: a3ux7.i

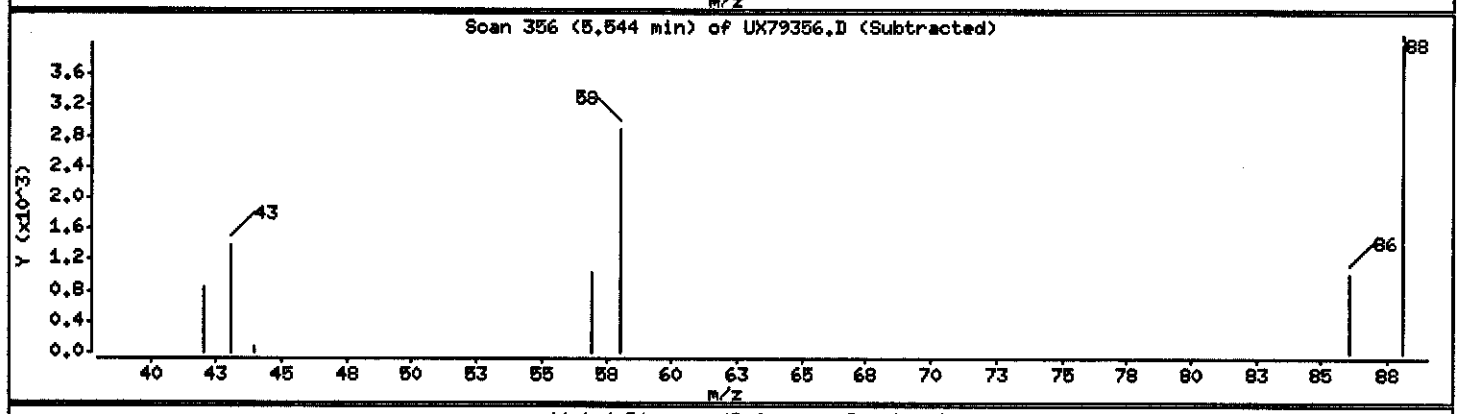
Sample Info: GNC5X1AA,5ML/5ML

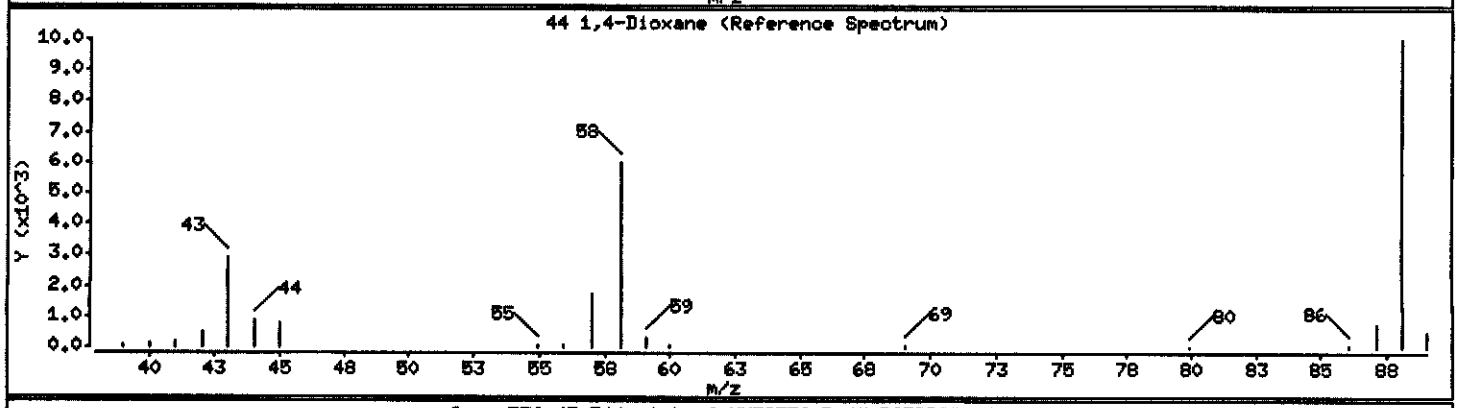
Purge Volume: 5.0 Operator: 1754

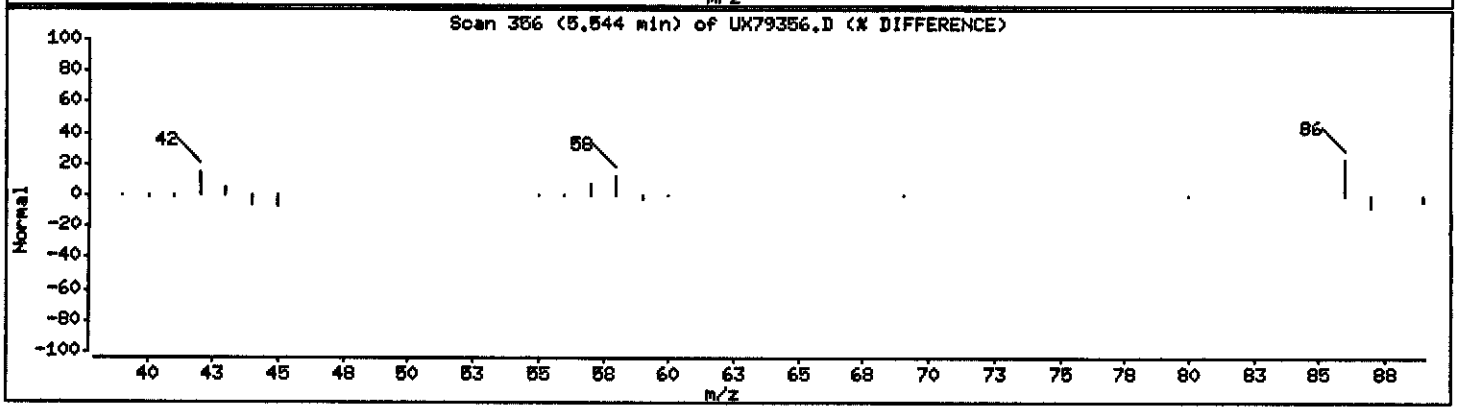
Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 85.038 ug/L









STANDARD DATA

Calibration History

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

Initial Calibration

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

Continuing Calibration

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

Report Date : 21-Aug-2004 10:34

STL North Canton

INITIAL CALIBRATION DATA

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

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

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD
	8 Dichlorodifluoromethane	0.33442	0.27115	0.23497	0.23928	0.27495	0.23394	0.26478	14.610
	9 Chloromethane	0.59429	0.42360	0.41036	0.38052	0.42203	0.37071	0.43358	18.841
	10 Vinyl Chloride	0.58515	0.40770	0.37803	0.36167	0.41685	0.36852	0.41965	20.008
	11 Bromomethane	0.35860	0.26686	0.25629	0.26018	0.34226	0.34420	0.30473	15.830
	12 Chloroethane	0.42564	0.30874	0.28687	0.27775	0.34525	0.38873	0.33883	17.412
	13 Trichlorofluoromethane	0.38578	0.41272	0.39356	0.38695	0.45364	0.43473	0.41123	6.794
	14 Dichlorofluoromethane	0.62558	0.50741	0.45882	0.42660	0.42898	0.44267	0.48167	15.872
	15 Acrolein	0.04171	0.04831	0.04809	0.04817	0.05068	0.05336	0.04839	7.988
	16 Acetone	0.22301	0.18363	0.15573	0.14006	0.14501	0.14876	0.16603	19.192
	17 1,1-Dichloroethene	0.22765	0.23936	0.25074	0.24313	0.26343	0.24656	0.24515	4.866
	18 Freon-113	0.11483	0.14829	0.16096	0.15383	0.16487	0.15512	0.14965	12.033
	19 Iodomethane	0.28725	0.33843	0.34173	0.33448	0.36230	0.34179	0.33433	7.479
	20 Carbon Disulfide	1.01748	0.98366	1.00167	0.95184	1.00302	0.94517	0.98381	2.994
	21 Methylene Chloride	0.55077	0.42647	0.34247	0.30991	0.31815	0.29340	0.37353	26.426
	22 Acetonitrile	0.03070	0.03504	0.03351	0.03260	0.03494	0.03397	0.03346	4.874
	23 Acrylonitrile	0.09282	0.11017	0.11125	0.10927	0.11641	0.12400	0.11065	9.321
	24 Methyl tert-butyl ether	0.56165	0.61109	0.64978	0.64311	0.72627	0.73635	0.65471	10.248
	25 trans-1,2-Dichloroethene	0.26748	0.27083	0.28465	0.28564	0.30669	0.28778	0.28384	4.928
	26 Hexane	0.01909	0.03910	0.04410	0.04143	0.05031	0.04474	0.03979	27.194
	27 Vinyl acetate	0.37172	0.43483	0.44981	0.47860	0.53161	0.58856	0.47585	16.012
	28 1,1-Dichloroethane	0.47051	0.53180	0.52172	0.51159	0.53906	0.51407	0.51479	4.677
	29 tert-Butyl Alcohol	0.01542	0.01523	0.01765	0.01813	0.02039	0.02403	0.01847	17.998
	30 2-Butanone	0.11816	0.15607	0.14748	0.15019	0.16667	0.17561	0.15236	12.985
M	31 1,2-Dichloroethene (total)	0.24573	0.27086	0.28054	0.28991	0.31064	0.29153	0.28154	7.804
	32 cis-1,2-dichloroethene	0.22399	0.27089	0.27644	0.29417	0.31459	0.29528	0.27923	11.166

Report Date : 21-Aug-2004 10:34

STL North Canton

INITIAL CALIBRATION DATA

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

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

Report Date : 21-Aug-2004 10:34

STL North Canton

INITIAL CALIBRATION DATA

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

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

Report Date : 21-Aug-2004 10:34

STL North Canton

INITIAL CALIBRATION DATA

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

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

port Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

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

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

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

port Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

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

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

port Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

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

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

port Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

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

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

port Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

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

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

port Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

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

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
85 1,2,4-Trichlorobenzene	0.53445	0.51268	0.55750	0.57151	0.65880	0.67602	AVRG		0.58516		11.45228	
86 Hexachlorobutadiene	0.22951	0.22489	0.21441	0.21463	0.23746	0.22730	AVRG		0.22470		3.98183	
87 Naphthalene	35266	83649	248661	631030	1618107	3848461	QUAD	0.09927	0.44658	-0.00774	0.99859	
88 1,2,3-Trichlorobenzene	10914	27856	75266	177529	414905	892987	QUAD	0.06727	1.65070	-0.02834	0.99925	
89 Ethyl Ether	0.25607	0.25375	0.23960	0.22437	0.23124	0.23562	AVRG		0.24011		5.22683	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.17808	0.15573	0.13924	0.13382	0.13714	0.14153	AVRG		0.14759		11.34158	
92 Isopropyl Ether	0.25442	0.24257	0.23883	0.22766	0.23047	0.23560	AVRG		0.23826		4.02566	
93 2-Chloro-1,3-butadiene	0.48933	0.48297	0.46199	0.42698	0.43864	0.46009	AVRG		0.46000		5.27011	
94 Propionitrile	0.04987	0.04914	0.04457	0.04060	0.04246	0.04284	AVRG		0.04491		8.41417	
95 Ethyl Acetate	0.29777	0.29113	0.28943	0.26373	0.28197	0.28427	AVRG		0.28472		4.10165	
96 Methacrylonitrile	0.20941	0.19777	0.19307	0.17092	0.17943	0.17924	AVRG		0.18831		7.58862	
97 Isobutanol	0.01451	0.01422	0.01364	0.01163	0.01303	0.01316	AVRG		0.01336		7.69314	
98 Cyclohexane	26722	63264	187557	399226	952374	2015573	QUAD	0.07367	2.13042	0.03755	0.99900	
99 n-Butanol	0.01506	0.01266	0.01251	0.01091	0.01260	0.01199	AVRG		0.01262		10.81213	
.00 Methyl Methacrylate	0.29136	0.28151	0.27668	0.25084	0.26683	0.26969	AVRG		0.27282		5.08673	
.01 2-Nitropropane	0.09057	0.08557	0.08575	0.07536	0.08322	0.08355	AVRG		0.08400		5.93430	

port Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

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

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
02 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
03 Cyclohexanone	0.15315	0.14265	0.12390	0.11836	0.11767	0.11600	AVRG		0.12862		12.07030	
04 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
05 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
34 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
35 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
36 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
37 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
38 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
39 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
40 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
41 1,3,5-Trichlorobenzene	0.62425	0.63025	0.67689	0.66525	0.74783	0.73101	AVRG		0.67925		7.50973	
43 Methyl Acetate	0.18739	0.18973	0.18978	0.18494	0.19735	0.20992	AVRG		0.19318		4.75761	
44 Methylcyclohexane	18743	50745	139475	309990	744552	1545527	QUAD	0.08471	2.66617	0.13876	0.99869	
45 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
46 2-Methylnaphthalene	14733	46860	289459	738092	1673833	3576115	QUAD	0.25376	1.02123	-0.01053	0.99968	

port Date : 21-Aug-2004 10:40

STL North Canton

INITIAL CALIBRATION DATA

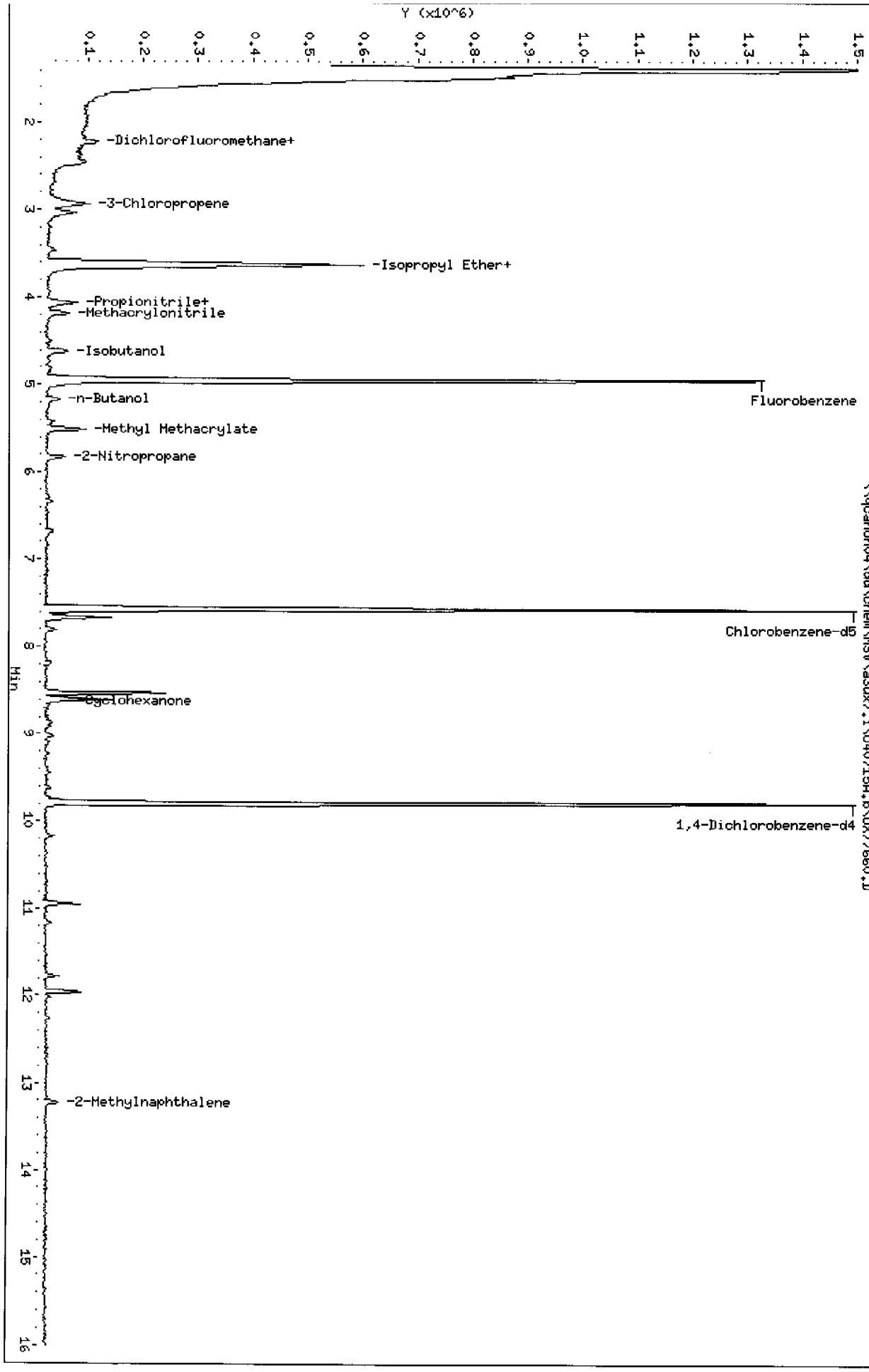
art Cal Date : 20-APR-2004 14:54
d Cal Date : 21-AUG-2004 10:14
ant Method : ISTD
rget Version : 4.04
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
l Date : 21-Aug-2004 10:30 tapsvc

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

rve	Formula	Units
eraged	Amt = Rsp/m1	Response
ad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U407150,b\UX77660.D
Date : 15-JUL-2004 12:34
Client ID:
Sample Info: 5.0NG@9CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



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

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77660.D
Lab Smp Id: 5.0NGA9CAL
Inj Date : 15-JUL-2004 12:34
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 5.0NGA9CAL
Misc Info : U40715A,N8260UX7-3,3-IX.SUB,1754,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:37 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

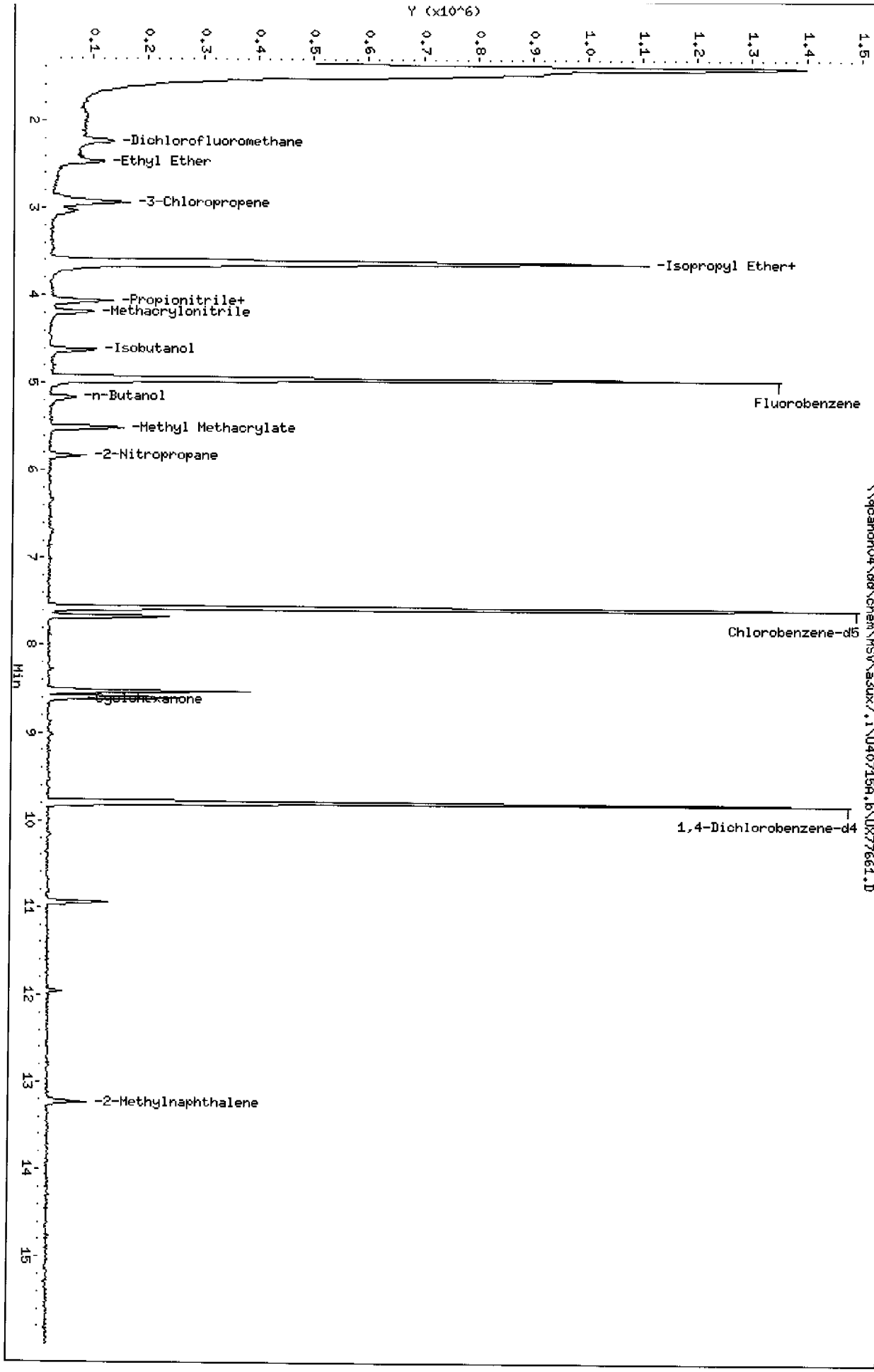
Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77661.D
Date : 15-JUL-2004 12:58
Client ID:
Sample Info: 10NGA9CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



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

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77661.D
Lab Smp Id: 10NGA9CAL
Inj Date : 15-JUL-2004 12:58
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 10NGA9CAL
Misc Info : U40715A,N8260UX7-3,3-IX.SUB,1754,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:38 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

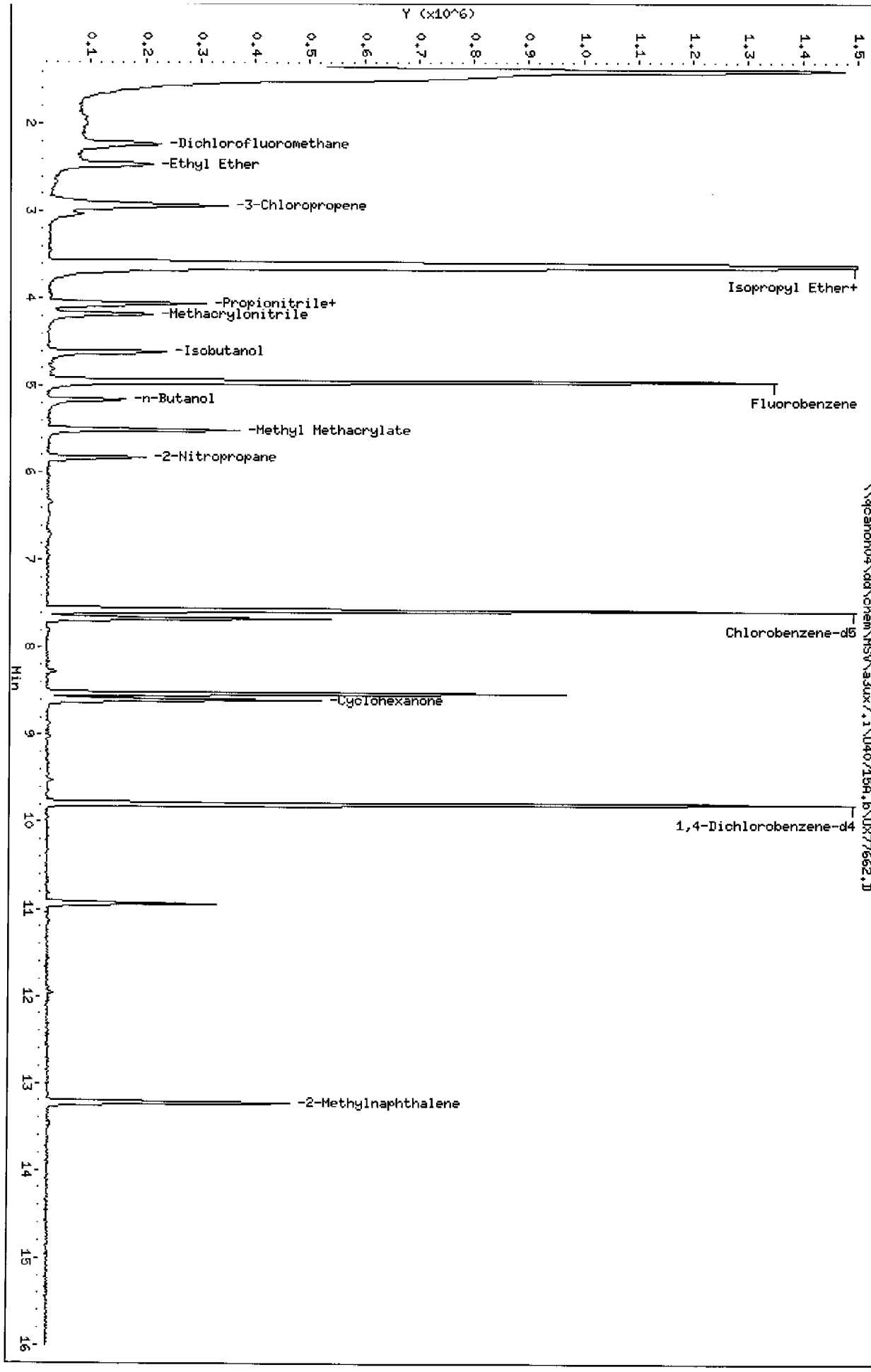
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77661.D
Report Date: 16-Jul-2004 08:38

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U407150.b\UX77662.D
Date : 15-JUL-2004 13:21
Client ID:
Sample Info: 25NCA90C6L
Purge Volume: 5.0
Column phase: DB624 20m

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



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

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77662.D
Lab Smp Id: 25NGA9CAL
Inj Date : 15-JUL-2004 13:21
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 25NGA9CAL
Misc Info : U40715A,N8260UX7-3,3-IX.SUB,1754,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:39 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

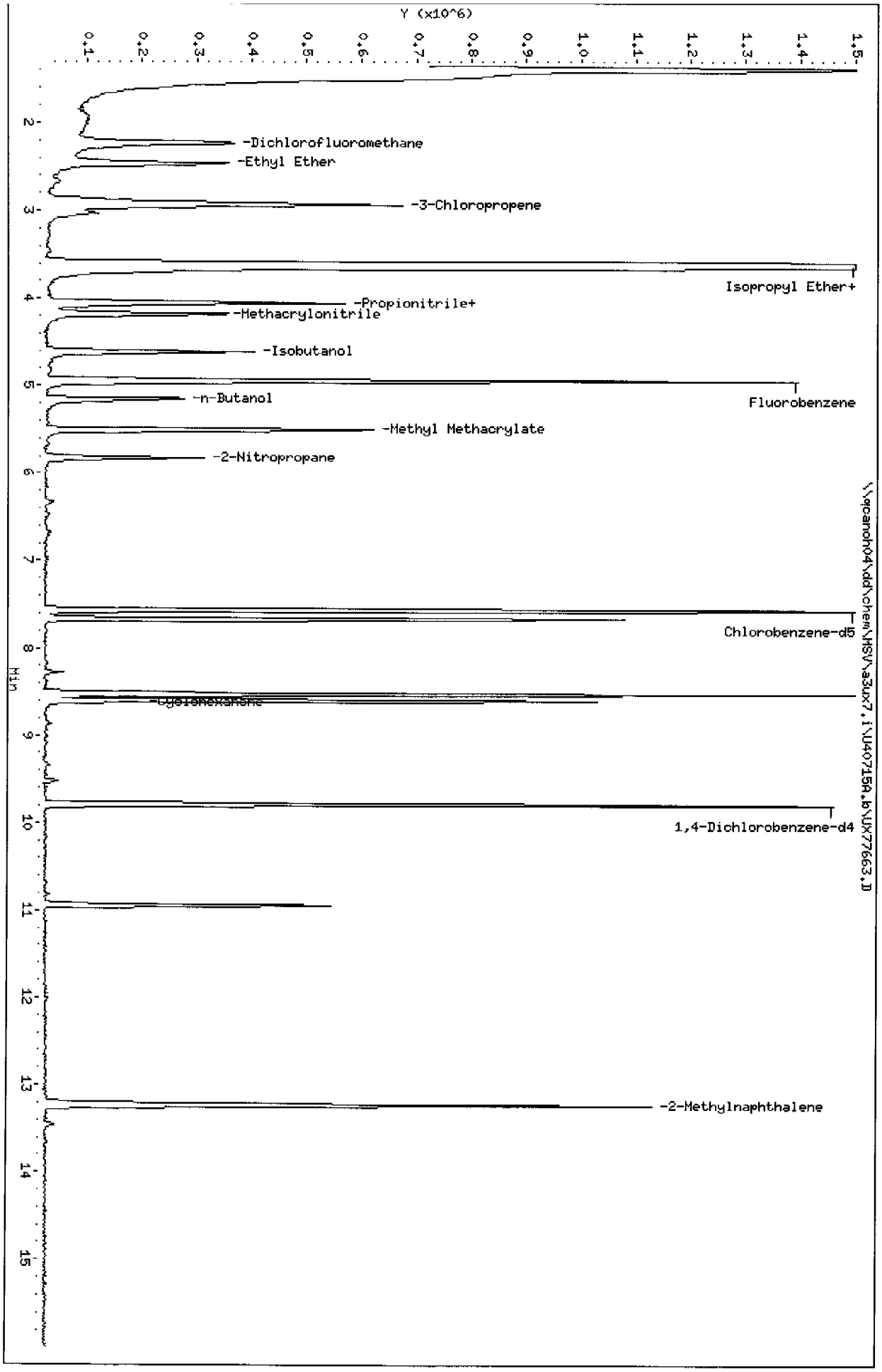
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	1477988	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	1001195	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	426707	50.0000	
14 Dichlorofluoromethane	67	2.230	2.230	(0.450)	339062	25.0000	25.577
89 Ethyl Ether	59	2.467	2.467	(0.498)	177060	25.0000	24.947
91 3-Chloropropene	76	2.940	2.940	(0.594)	102895	25.0000	23.585
92 Isopropyl Ether	87	3.626	3.626	(0.732)	882487	125.000	125.30
93 2-Chloro-1,3-butadiene	53	3.650	3.650	(0.737)	341409	25.0000	25.108
94 Propionitrile	54	4.052	4.052	(0.818)	65878	50.0000	49.620
95 Ethyl Acetate	43	4.052	4.052	(0.818)	427776	50.0000	50.828
96 Methacrylonitrile	41	4.182	4.182	(0.845)	142675	25.0000	25.632
97 Isobutanol	41	4.608	4.608	(0.609)	136548	500.000	510.27(A)
99 n-Butanol	56	5.153	5.153	(0.681)	125281	500.000	495.67(A)
100 Methyl Methacrylate	41	5.508	5.508	(1.112)	204465	25.0000	25.354
101 2-Nitropropane	41	5.827	5.827	(1.177)	126732	50.0000	51.038
103 Cyclohexanone	55	8.596	8.596	(0.878)	264354	250.000	240.83(A)
146 2-Methylnaphthalene	142	13.223	13.223	(1.350)	289459	50.0000	47.084

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

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U407150.b\UX77663.D
Date : 15-JUL-2004 14:09
Client ID:
Sample Info: 50NGA9CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
-n-Butanol
Fluorobenzene
-Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
-2-Methylnaphthalene
\\qcanoh04\dd\chem\MSV\a3ux7.i\U407150.b\UX77663.D

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

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77663.D
Lab Smp Id: 50NGA9CAL
Inj Date : 15-JUL-2004 14:09
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NGA9CAL
Misc Info : U40715A,N8260UX7-3,3-IX.SUB,1754,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:39 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

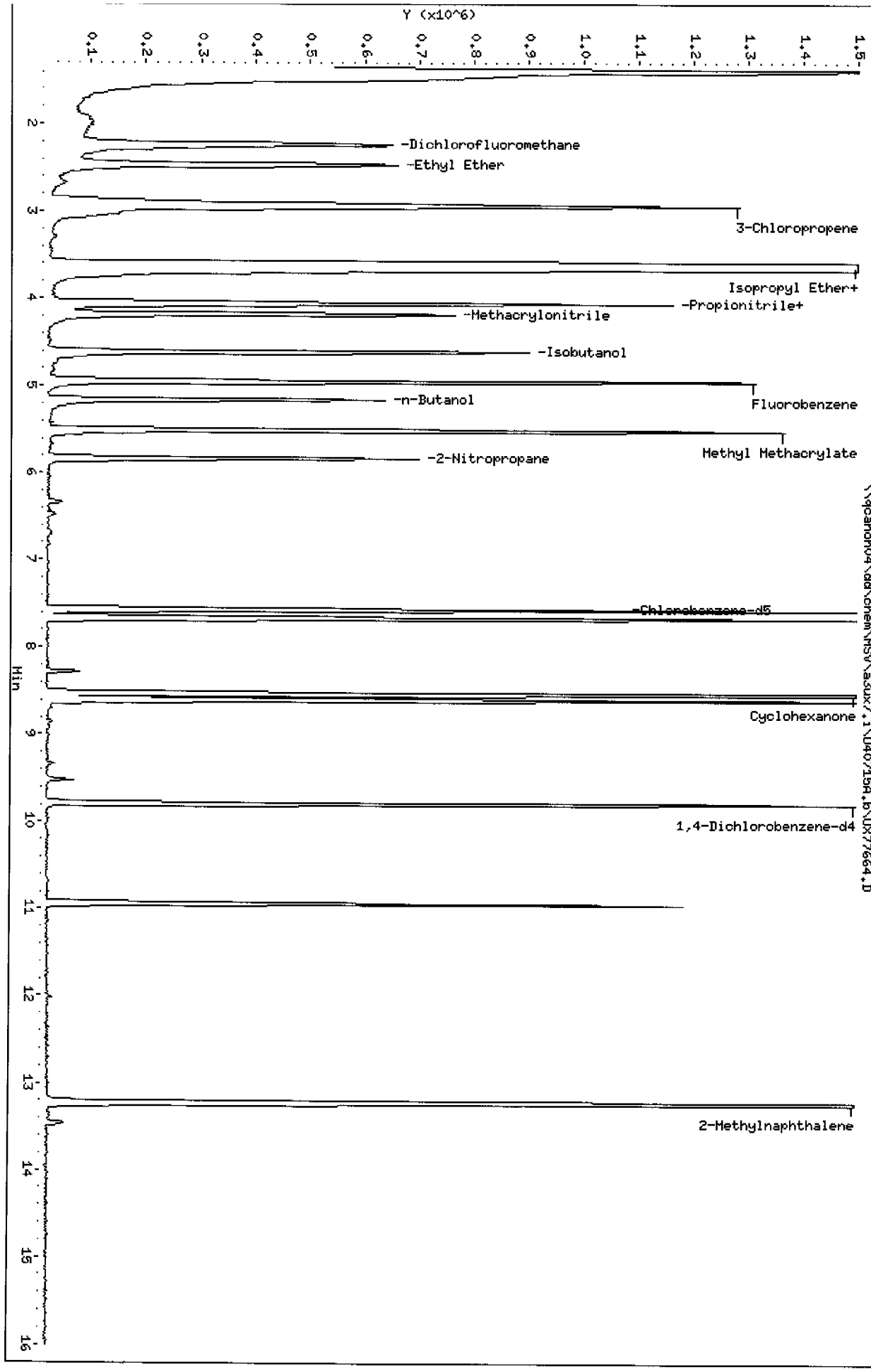
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.942	4.942	(1.000)	1491895	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.569	(1.000)	1013147	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.794	(1.000)	430589	50.0000	
14 Dichlorofluoromethane	67	2.233	2.233	(0.452)	636441	50.0000	49.487
89 Ethyl Ether	59	2.457	2.457	(0.497)	334740	50.0000	46.723
91 3-Chloropropene	76	2.931	2.931	(0.593)	199646	50.0000	45.336
92 Isopropyl Ether	87	3.617	3.617	(0.732)	1698224	250.000	238.88(A)
93 2-Chloro-1,3-butadiene	53	3.641	3.641	(0.737)	637015	50.0000	46.411
94 Propionitrile	54	4.055	4.055	(0.820)	121155	100.000	90.405
95 Ethyl Acetate	43	4.055	4.055	(0.820)	786920	100.000	92.629
96 Methacrylonitrile	41	4.173	4.173	(0.844)	254995	50.0000	45.384
97 Isobutanol	41	4.611	4.611	(0.609)	235596	1000.00	870.02(A)
99 n-Butanol	56	5.155	5.155	(0.681)	220978	1000.00	863.97(A)
100 Methyl Methacrylate	41	5.498	5.498	(1.113)	374233	50.0000	45.972
101 2-Nitropropane	41	5.830	5.830	(1.180)	224847	100.000	89.708
103 Cyclohexanone	55	8.599	8.599	(0.878)	509649	500.000	460.11(A)
146 2-Methylnaphthalene	142	13.225	13.225	(1.350)	738092	100.000	98.668

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

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77664.D
Date : 15-JUL-2004 14:33
Client ID:
Sample Info: 100NGA9CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorofluoromethane
-Ethyl Ether
3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
-n-Butanol
Fluorobenzene
Methyl Methacrylate
-2-Nitropropane
-Chlorobenzene-d5
Cyclohexanone
1,4-Dichlorobenzene-d4
2-Methylnaphthalene
\\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77664.D

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

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77664.D
Lab Smp Id: 100NGA9CAL
Inj Date : 15-JUL-2004 14:33
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 100NGA9CAL
Misc Info : U40715A,N8260UX7-3,3-IX.SUB,1754,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:40 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

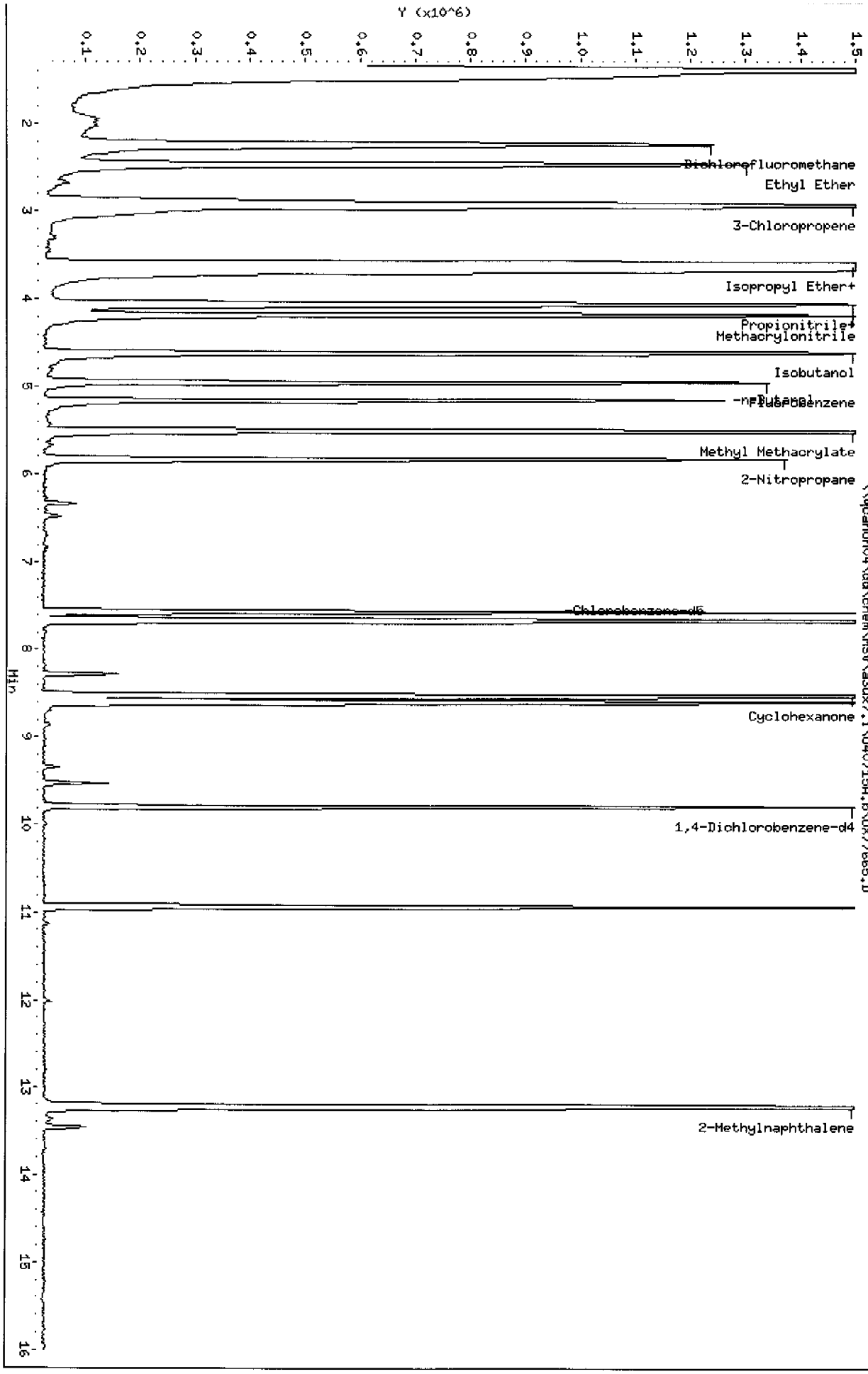
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.953	4.953	(1.000)	1486280	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.568	(1.000)	1001253	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	434039	50.0000	
14 Dichlorofluoromethane	67	2.231	2.231	(0.451)	1275165	100.000	100.16
89 Ethyl Ether	59	2.468	2.468	(0.498)	687370	100.000	96.306
91 3-Chloropropene	76	2.941	2.941	(0.594)	407653	100.000	92.920
92 Isopropyl Ether	87	3.615	3.615	(0.730)	3425457	500.000	483.66(A)
93 2-Chloro-1,3-butadiene	53	3.639	3.639	(0.735)	1303884	100.000	95.356
94 Propionitrile	54	4.053	4.053	(0.818)	252425	200.000	189.07
95 Ethyl Acetate	43	4.053	4.053	(0.818)	1676369	200.000	198.07
96 Methacrylonitrile	41	4.183	4.183	(0.845)	533356	100.000	95.285
97 Isobutanol	41	4.609	4.609	(0.609)	522035	2000.00	1950.7(A)
99 n-Butanol	56	5.154	5.154	(0.681)	504693	2000.00	1996.7(A)
100 Methyl Methacrylate	41	5.509	5.509	(1.112)	793168	100.000	97.804
101 2-Nitropropane	41	5.828	5.828	(1.177)	494724	200.000	198.13
103 Cyclohexanone	55	8.597	8.597	(0.878)	1021424	1000.00	914.81(A)
146 2-Methylnaphthalene	142	13.224	13.224	(1.350)	1673833	200.000	201.77

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

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U407156.b\UX77665.D
Date : 15-JUL-2004 14:56
Client ID:
Sample Info: 200NGA9CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Dichlorofluoromethane
Ethyl Ether
3-Chloropropene
Isopropyl Ether+
Propionitrile+
Methacrylonitrile
Isobutanol
-n-Butanol
Fluorobenzene
Methyl Methacrylate
2-Nitropropane
Chlorobenzene-d5
Cyclohexanone
1,4-Dichlorobenzene-d4
2-Methylnaphthalene
Min

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

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77665.D
Lab Smp Id: 200NGA9CAL
Inj Date : 15-JUL-2004 14:56
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 200NGA9CAL
Misc Info : U40715A,N8260UX7-3,3-IX.SUB,1754,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\N8260UX7-3.m
Meth Date : 16-Jul-2004 08:41 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.951	4.951	(1.000)	1475827	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	1008500	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	431523	50.0000	
14 Dichlorofluoromethane	67	2.230	2.230	(0.450)	2613190	200.000	199.98
89 Ethyl Ether	59	2.467	2.467	(0.498)	1390913	200.000	196.26
91 3-Chloropropene	76	2.940	2.940	(0.594)	835474	200.000	191.79
92 Isopropyl Ether	87	3.626	3.626	(0.732)	6954037	1000.00	988.84(A)
93 2-Chloro-1,3-butadiene	53	3.650	3.650	(0.737)	2716070	200.000	200.04(A)
94 Propionitrile	54	4.052	4.052	(0.818)	505799	400.000	381.53(A)
95 Ethyl Acetate	43	4.052	4.052	(0.818)	3356293	400.000	399.37(A)
96 Methacrylonitrile	41	4.182	4.182	(0.845)	1058107	200.000	190.37
97 Isobutanol	41	4.608	4.608	(0.609)	1061509	4000.00	3938.0(A)
99 n-Butanol	56	5.153	5.153	(0.681)	967584	4000.00	3800.5(A)
100 Methyl Methacrylate	41	5.508	5.508	(1.112)	1592091	200.000	197.71
101 2-Nitropropane	41	5.827	5.827	(1.177)	986409	400.000	397.84(A)
103 Cyclohexanone	55	8.596	8.596	(0.878)	2002347	2000.00	1803.8(A)
146 2-Methylnaphthalene	142	13.223	13.223	(1.350)	3576115	400.000	399.69

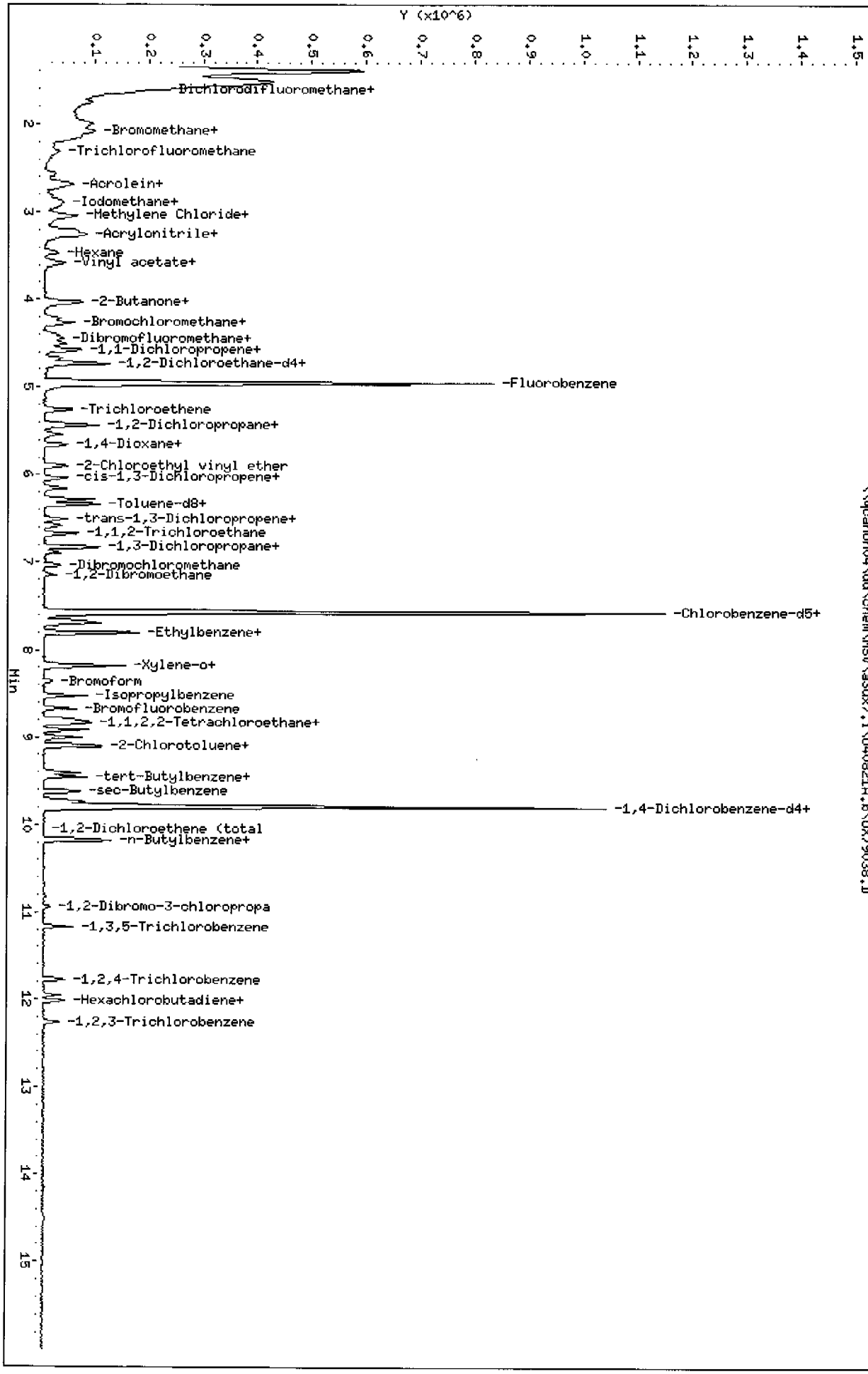
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40715A.b\UX77665.D
Report Date: 16-Jul-2004 08:41

QC Flag Legend

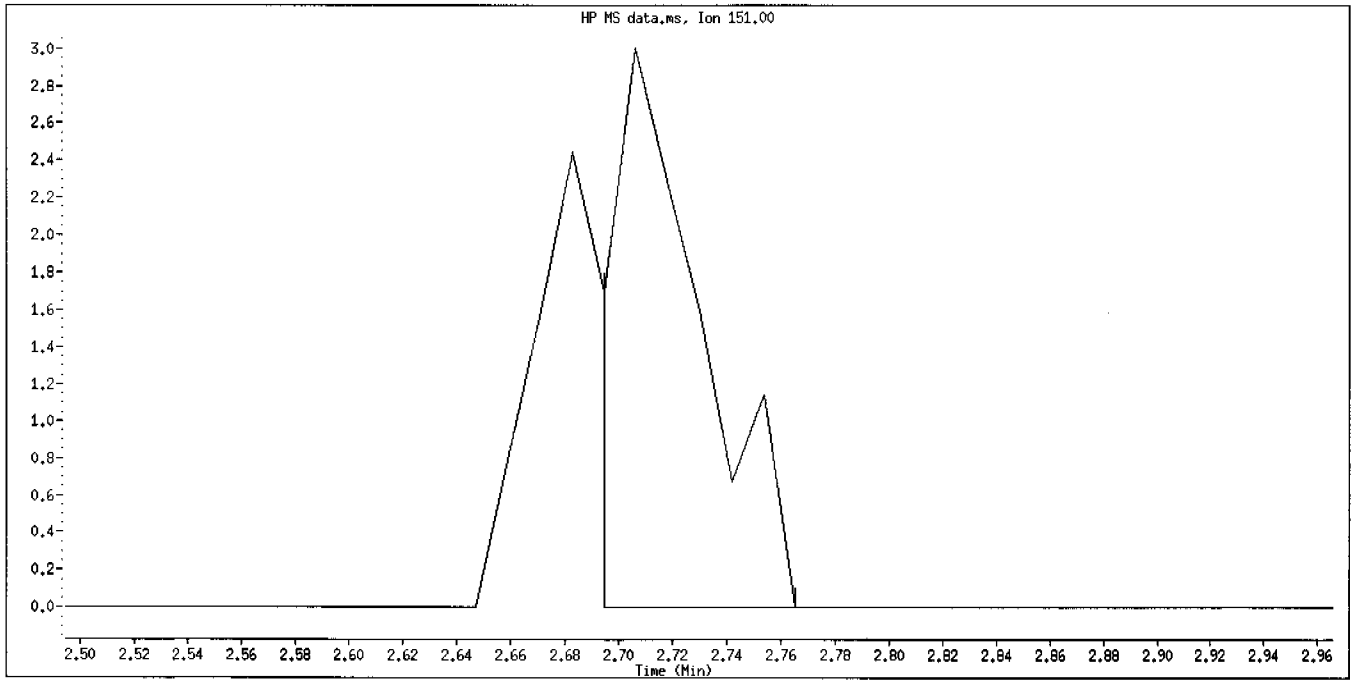
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79038.D
Date : 21-AUG-2004 08:18
Client ID:
Sample Info: 5NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m

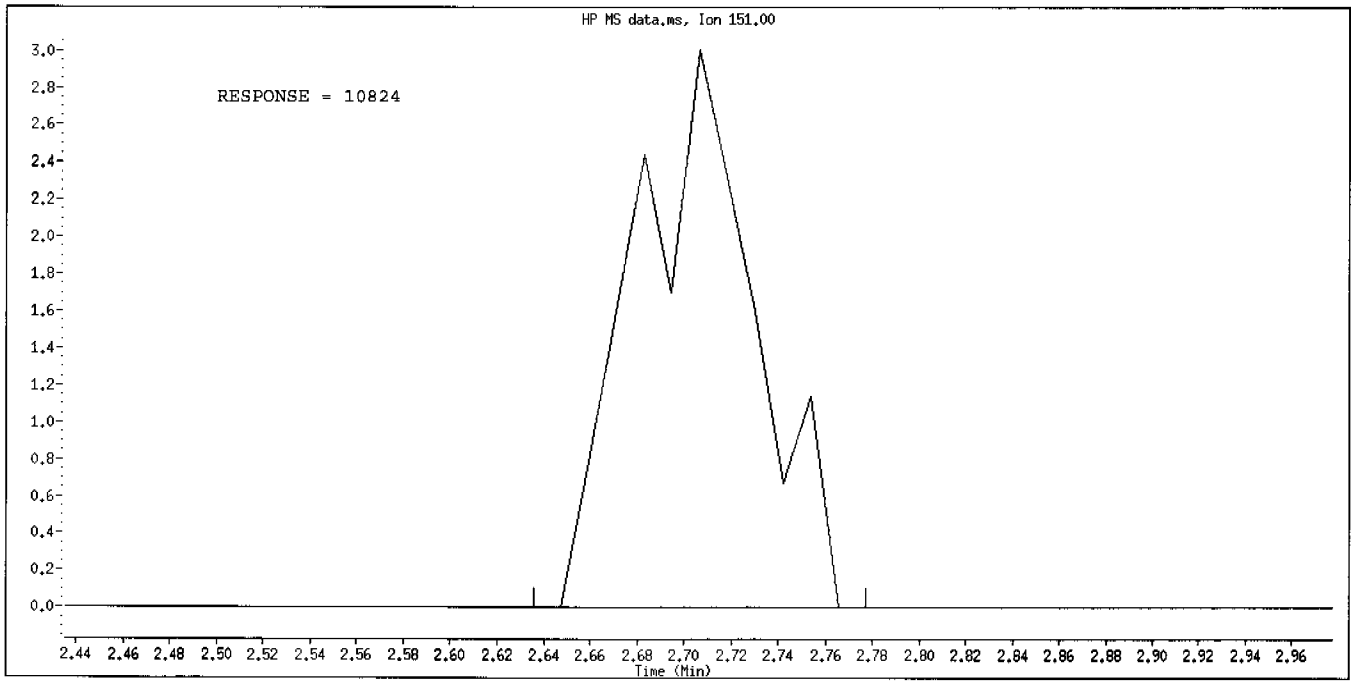
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18



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



Original Integration



Manual Integration

Manually Integrated By: RoachC
Manual Integration Reason: Poor Chromatography

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

STL North Canton

VOLATILE REPORT SW-846 Method

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

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

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

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

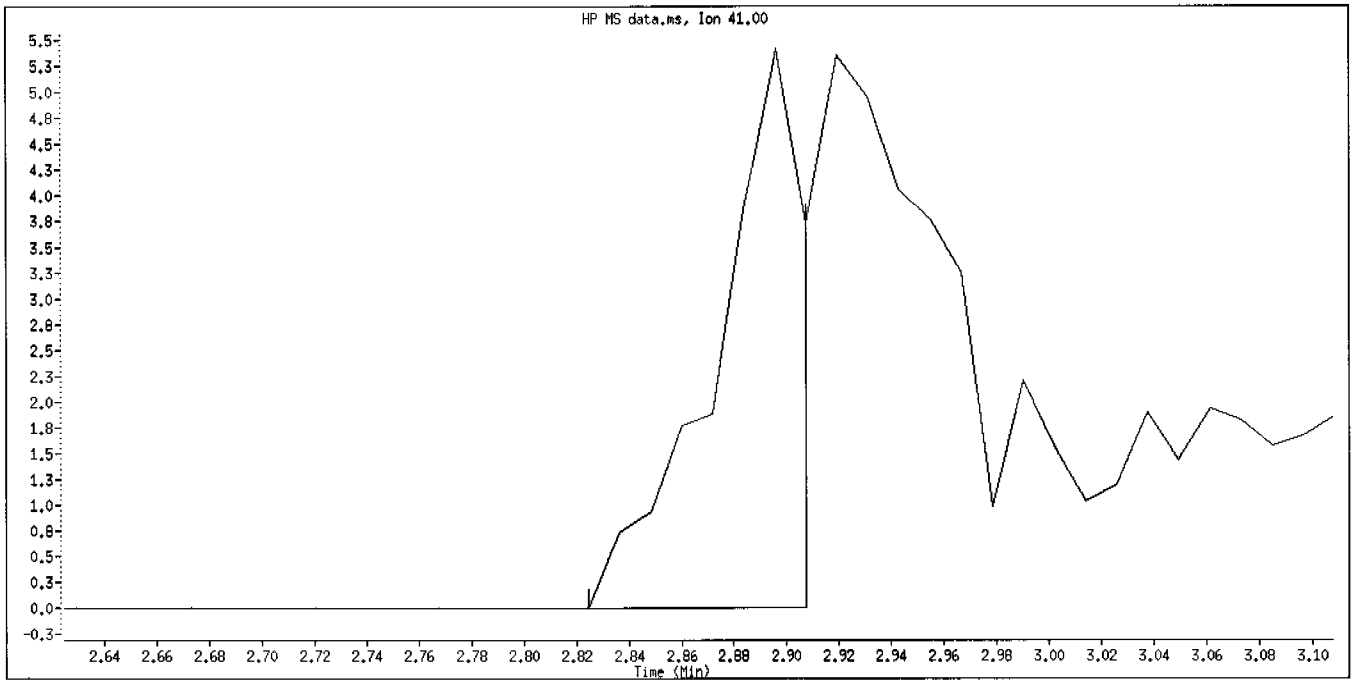
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79038.D
Report Date: 23-Aug-2004 09:43

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

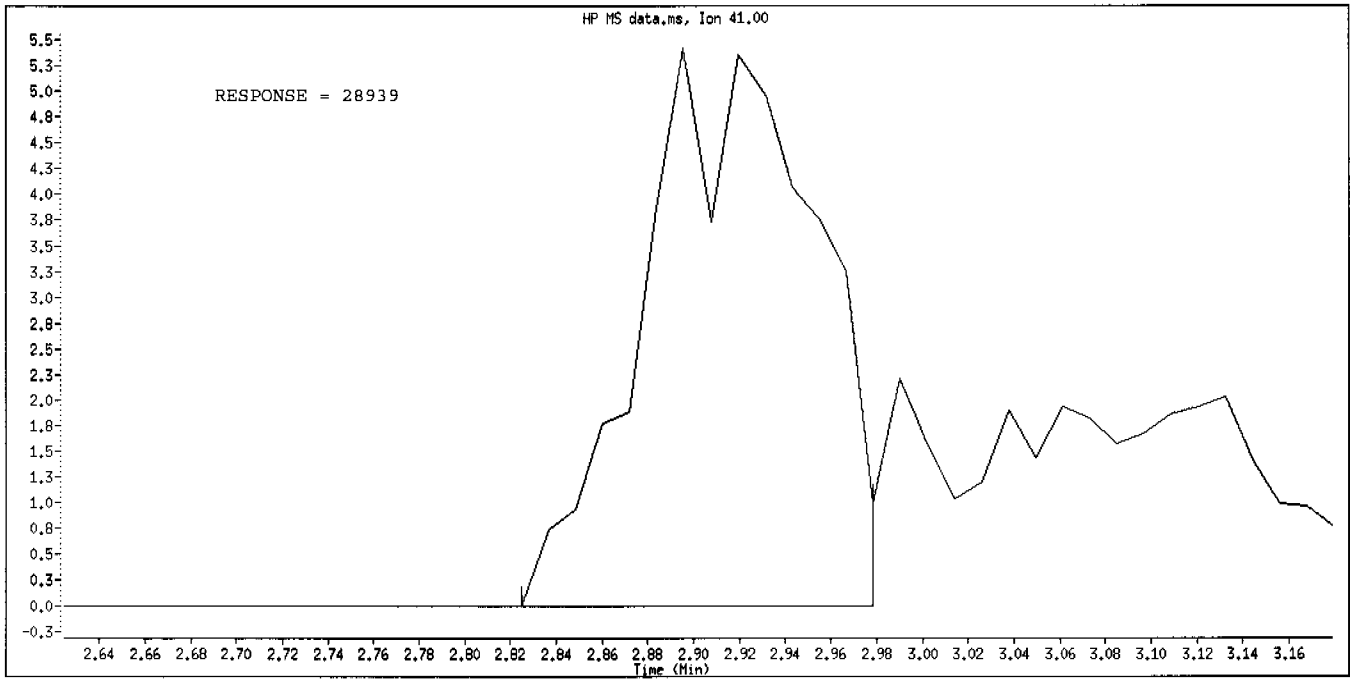
QC Flag Legend

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

Data File Name: 8X79038.D
Inj. Date and Time: 21-AUG-2004 08:18
Instrument ID: a3ux7.i
Client ID:
Compound Name: Acetonitrile
CAS #: 75-05-8
Report Date: 08/23/2004



Original Integration

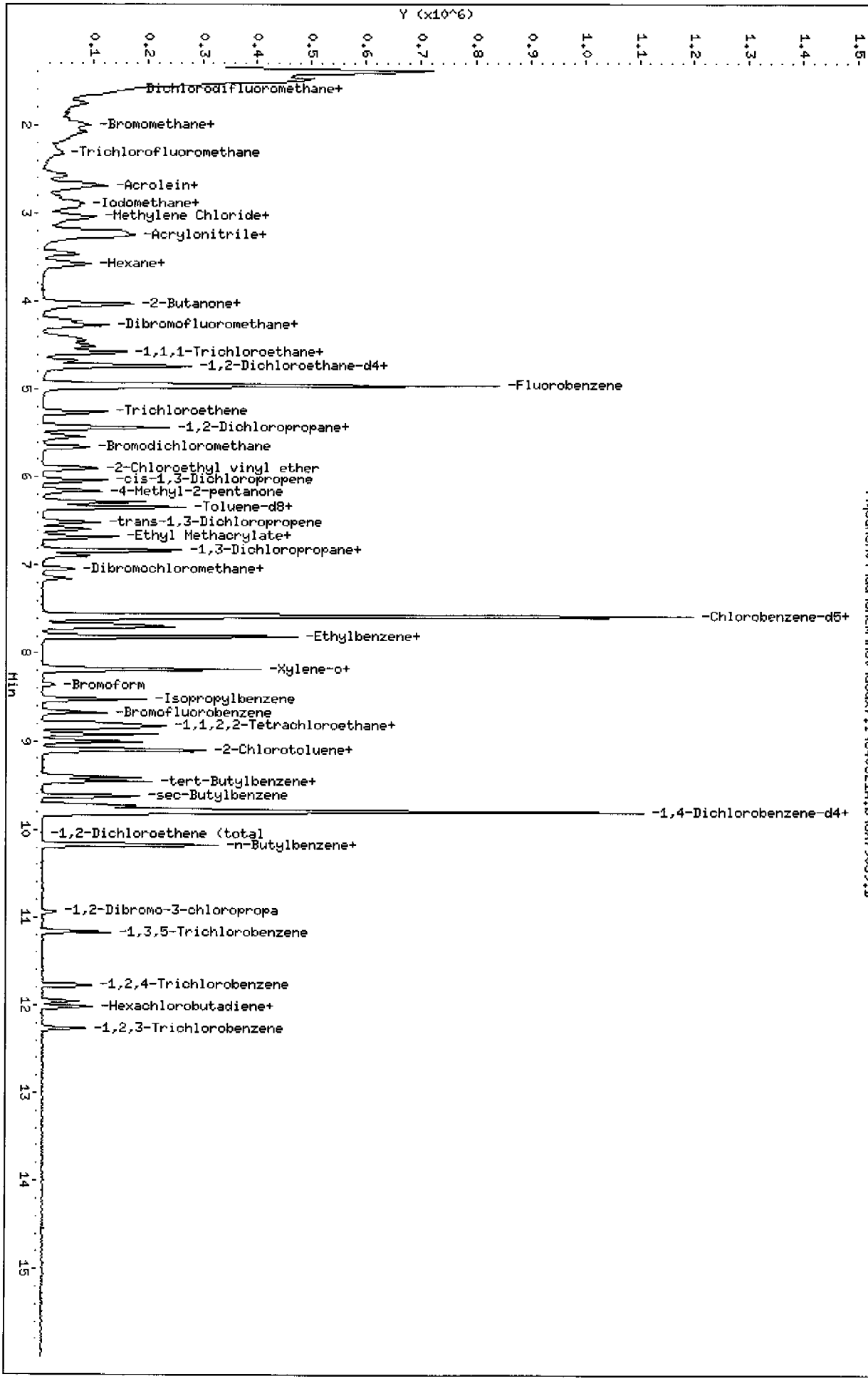


Manual Integration

Manually Integrated By: RoachC
Manual Integration Reason: Poor Chromatography

Data File: \\qcanch04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79039.D
Date : 21-AUG-2004 08:41
Client ID:
Sample Info: 10NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



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

STL North Canton

VOLATILE REPORT SW-846 Method

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

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

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

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

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

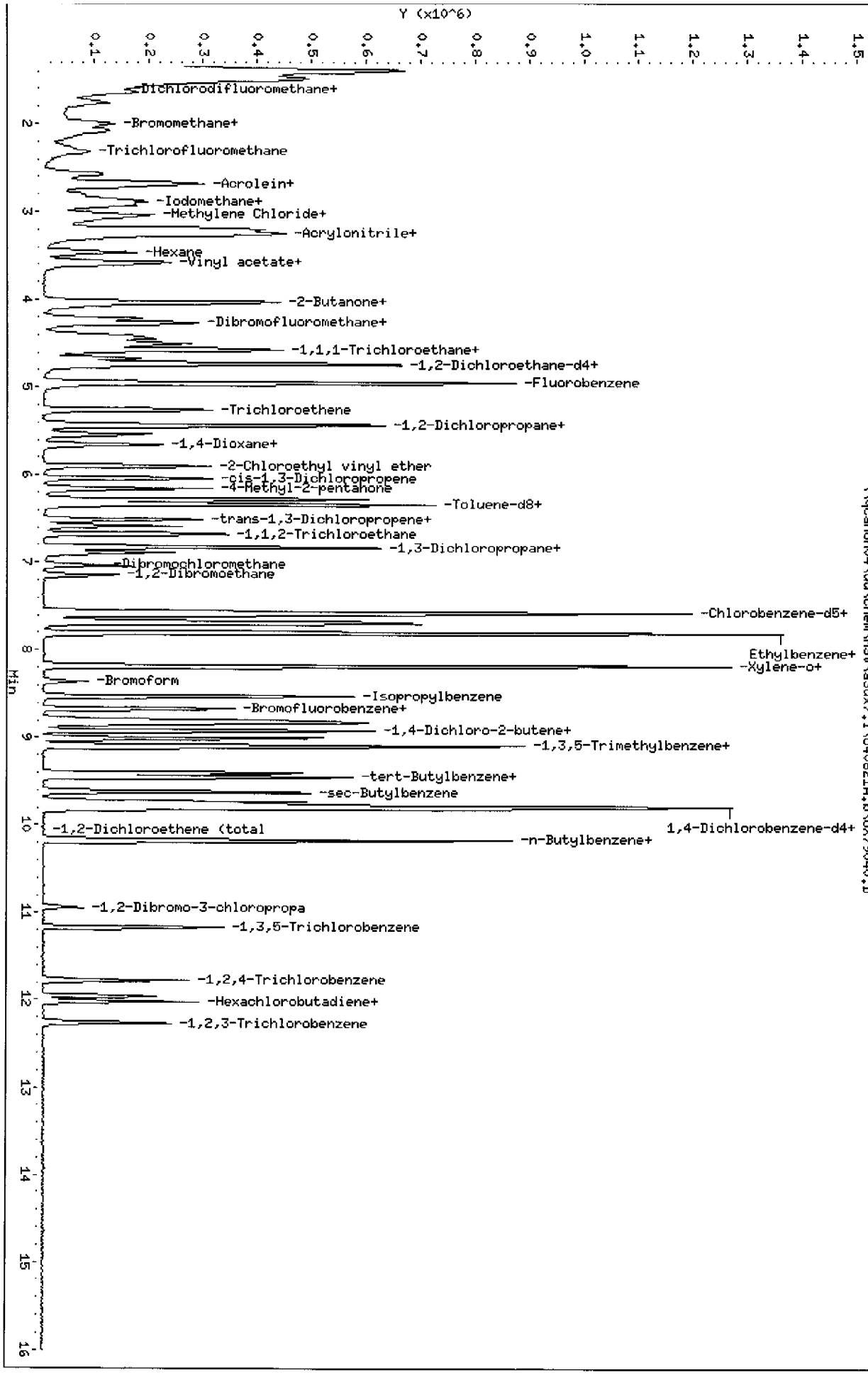
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.363	8.363	(1.105)	11938	10.0000	10.330
67 Isopropylbenzene	105	8.528	8.528	(1.127)	135821	10.0000	11.106
68 1,1,2,2-Tetrachloroethane	83	8.789	8.789	(0.897)	66826	10.0000	10.609
69 1,4-Dichloro-2-butene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

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U408214.b\UX79040.D
Date : 21-AUG-2004 09:04
Client ID:
Sample Info: 25NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



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

STL North Canton

VOLATILE REPORT SW-846 Method

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

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

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

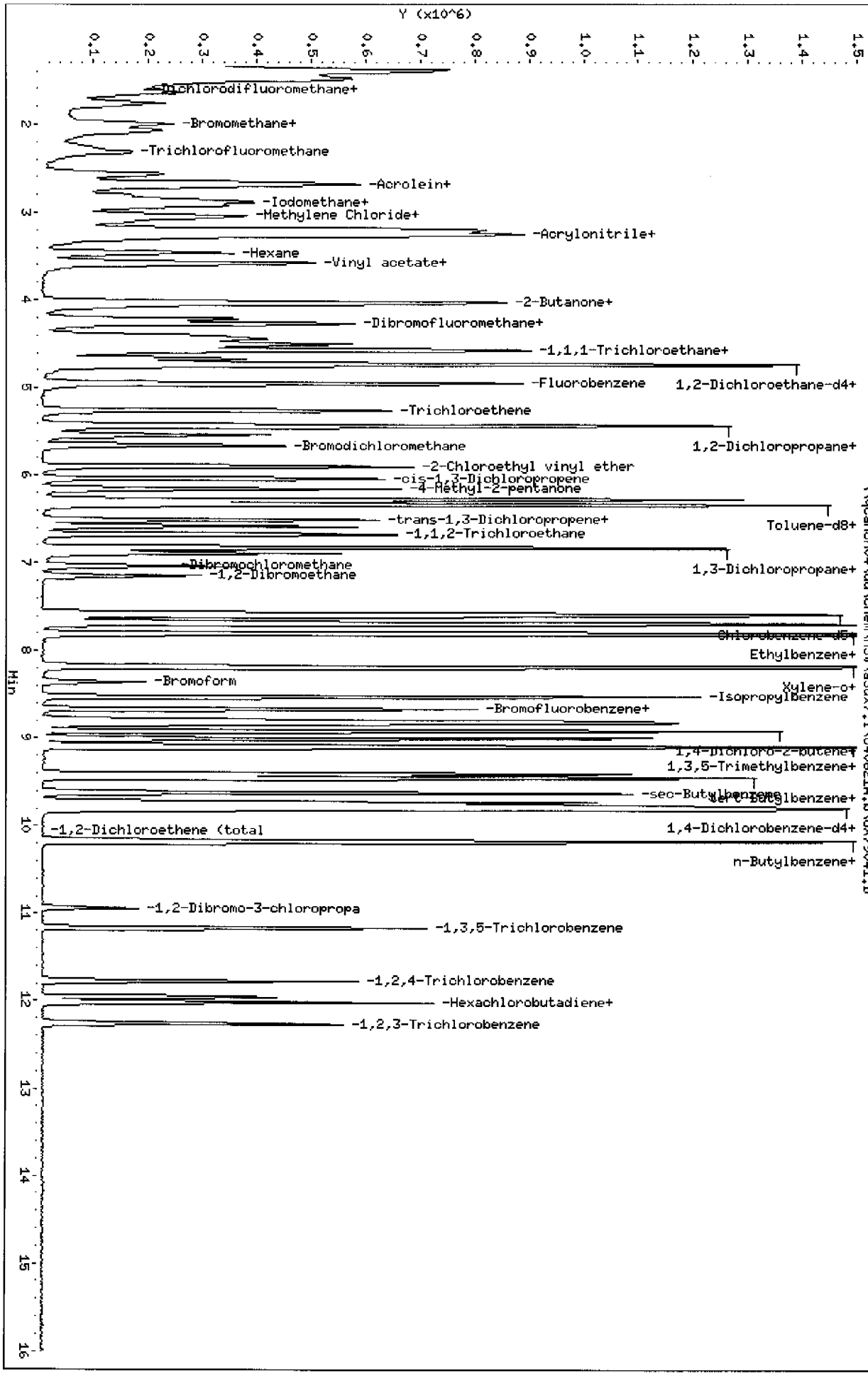
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.811	2.811	(0.568)	165650	25.0000	25.553
	20 Carbon Disulfide	76	2.882	2.882	(0.582)	485549	25.0000	25.454
	21 Methylene Chloride	84	3.036	3.036	(0.613)	166007	25.0000	24.463
	22 Acetonitrile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

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

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

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 21-AUG-2004 09:27
Client ID:
Sample Info: 50NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
Dichlorodifluoromethane+
Bromomethane+
Trichlorofluoromethane
Acrolein+
Iodomethane+
Methylene Chloride+
Acrylonitrile+
Hexane
Vinyl acetate+
2-Butanone+
Dibromofluoromethane+
1,1,1-Trichloroethane+
Fluorobenzene
1,2-Dichloroethane-d4+
Trichloroethene
Bromodichloromethane
1,2-Dichloropropane+
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
trans-1,3-Dichloropropene+
Toluene-d8+
1,1,2-Trichloroethane
Dibromochloromethane
1,2-Dibromoethane
1,3-Dichloropropane+
Chlorobenzene-d5+
Ethylbenzene+
Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene+
1,4-Dichloro-2-butene+
1,3,5-Trimethylbenzene+
sec-Butylbenzene
tert-Butylbenzene+
1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene+
1,2,3-Trichlorobenzene
\\qcanon04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79041.D

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

STL North Canton

VOLATILE REPORT SW-846 Method

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

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

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

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

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

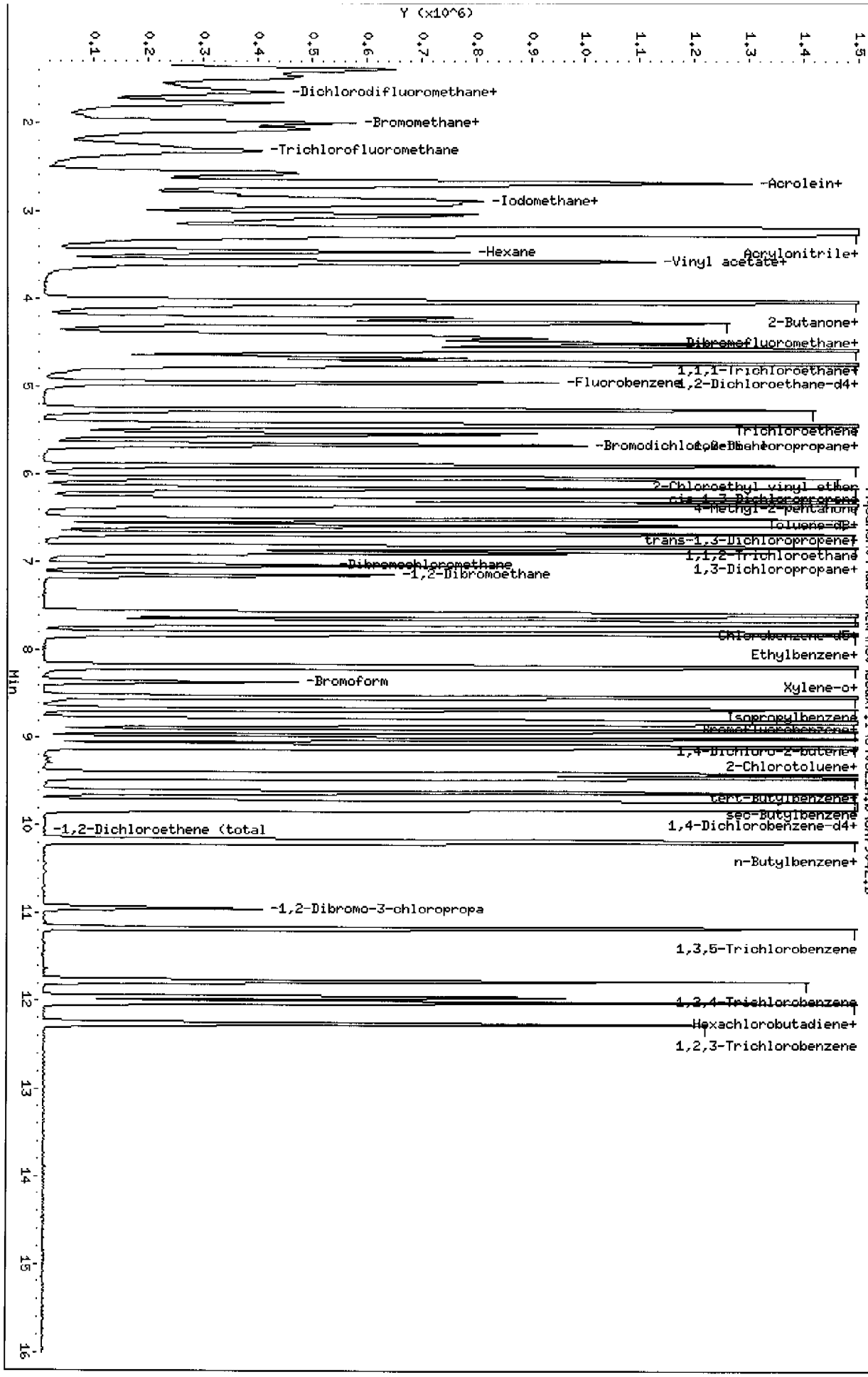
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.361	8.361	(1.105)	89567	50.0000	44.616
67 Isopropylbenzene	105	8.526	8.526	(1.127)	851840	50.0000	45.431
68 1,1,2,2-Tetrachloroethane	83	8.786	8.786	(0.897)	320214	50.0000	45.584
69 1,4-Dichloro-2-butene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

QC Flag Legend

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

Data File: \\qcanon04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79042.D
Date : 21-AUG-2004 09:50
Client ID:
Sample Info: 100NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



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

STL North Canton

VOLATILE REPORT SW-846 Method

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

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

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

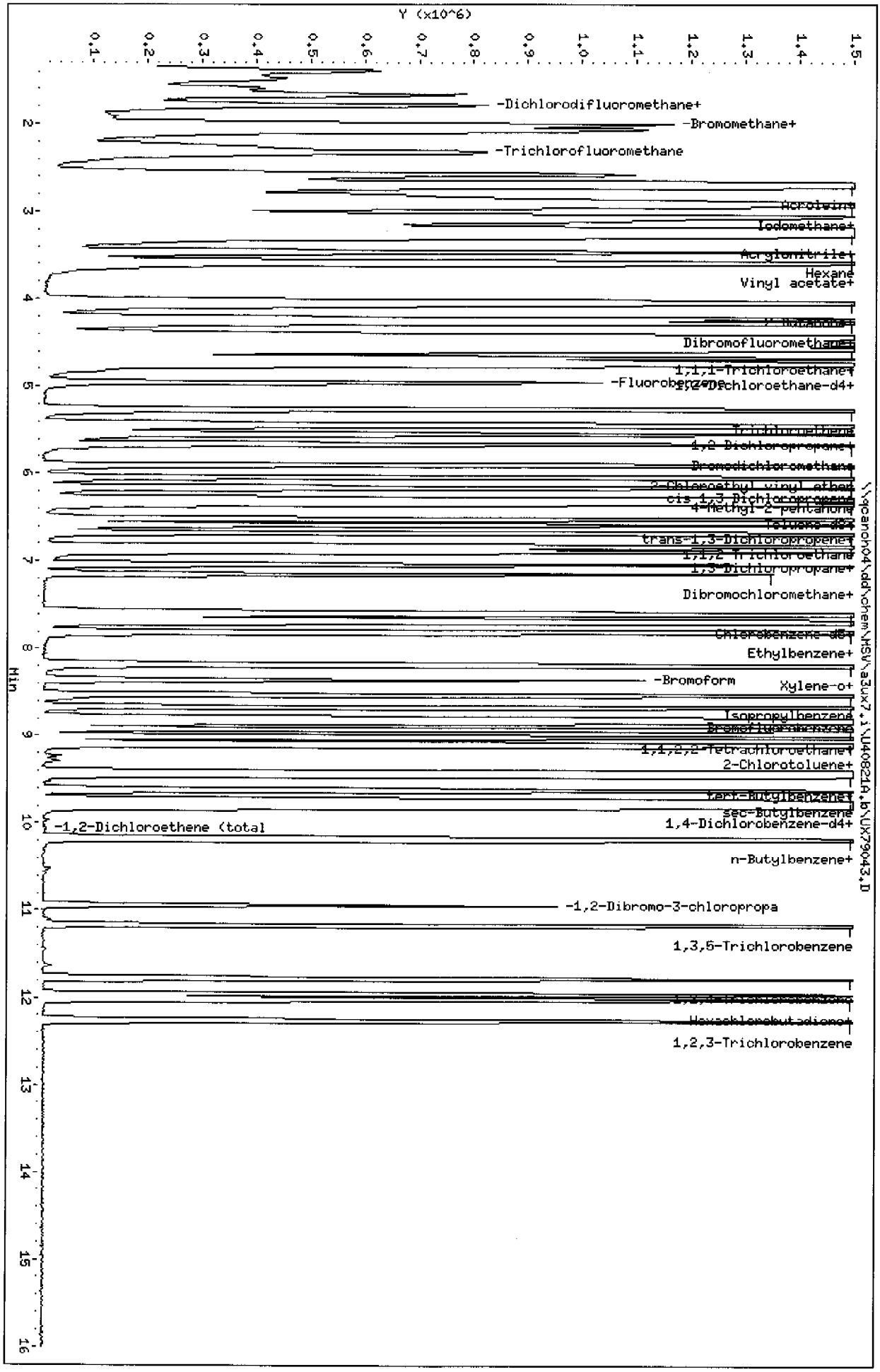
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.811	2.811	(0.568)	753544	100.000	108.37
	20 Carbon Disulfide	76	2.882	2.882	(0.582)	2086162	100.000	101.95
	21 Methylene Chloride	84	3.036	3.036	(0.613)	661716	100.000	102.22
	22 Acetonitrile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

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

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

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79043.D
Date : 21-AUG-2004 10:14
Client ID:
Sample Info: 200NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
Acrolein+
Iodomethane+
Acrylonitrile+
Hexane
Vinyl acetate+
Dibromofluoromethane+
1,1,1-Trichloroethane+
-Fluorobenzene
1,2-Dichloroethane-d4+
Trichloroethene
1,2-Dichloropropane+
Bromodichloromethane
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8+
trans-1,3-Dichloropropene+
1,1,2-Trichloroethane
1,3-Dichloropropane+
Dibromochloromethane+
Chlorobenzene-d5+
Ethylbenzene+
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
2-Chlorotoluene+
tert-Butylbenzene+
sec-Butylbenzene
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene+
1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79043.D

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

STL North Canton

VOLATILE REPORT SW-846 Method

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

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

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

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

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

QC Flag Legend

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

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

STL North Canton

RECOVERY REPORT

Client Name:
Client SDG: SDGa00497
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: ICV
Level: LOW
Operator: 1754
Data Type: MS DATA
SampleType: METHSPIKE
SpikeList File: plexus-ck.spk
Quant Type: ISTD
Sublist File: 1-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\N8260UX7-3.m
Misc Info: U40821A,N8260UX7-3,1-8260.SUB,1754,3

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

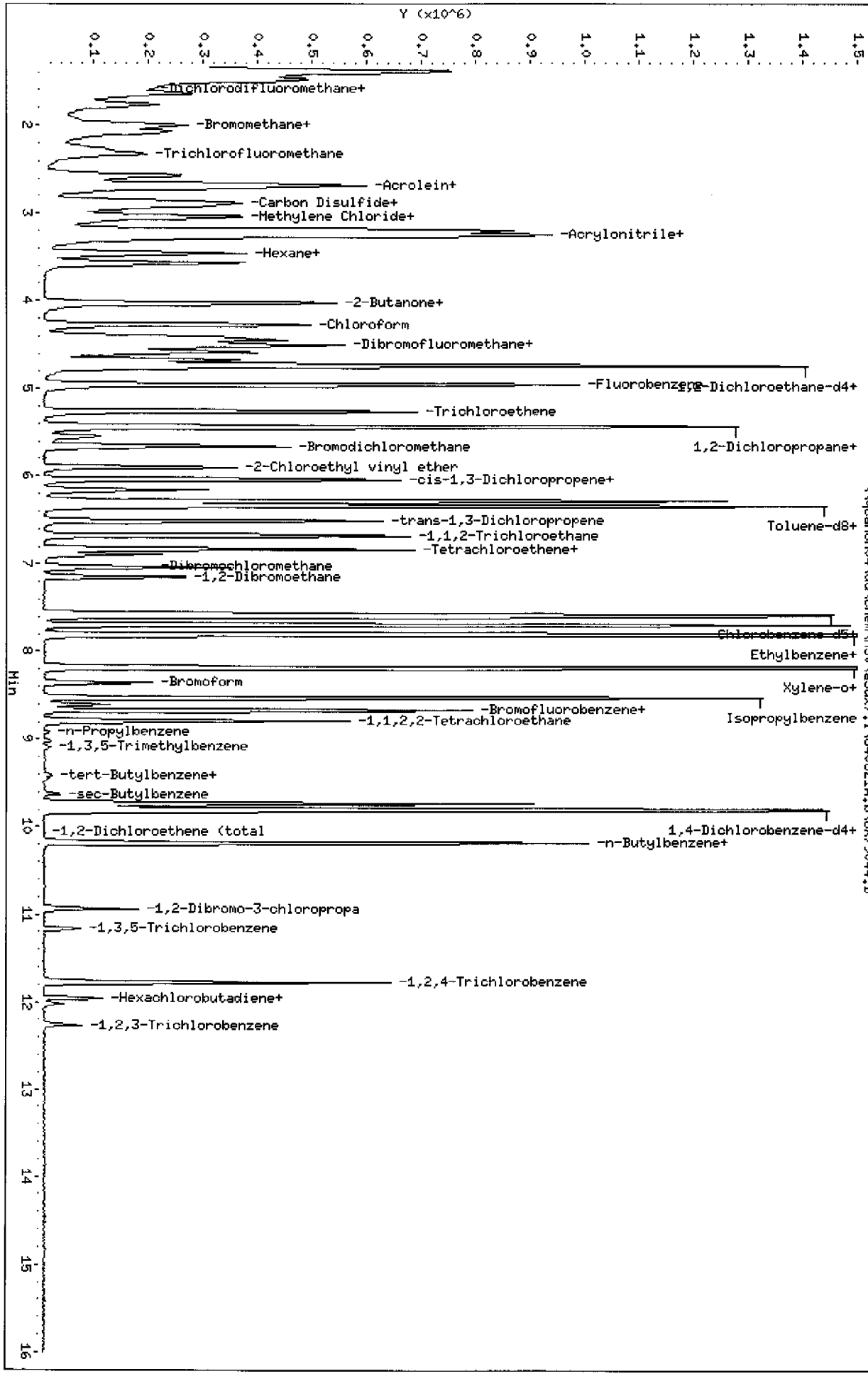
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40821A.b\UX79044.D
Report Date: 23-Aug-2004 09:47

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

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

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

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



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

STL North Canton

VOLATILE REPORT SW-846 Method

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

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

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

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

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

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

QC Flag Legend

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

Calibration History

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

Initial Calibration

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

Continuing Calibration

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

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

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

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

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

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\040827B.D/UX79333.D
Report Date: 08/31/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

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

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

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
40 Acrolein	500.0000	512.7144	2.5	50.0
41 Acrylonitrile	500.0000	530.4870	6.1	50.0
42 Vinyl acetate	50.0000	47.5863	4.8	50.0
43 2-Chloroethyl vinyl ether	100.0000	100.5940	0.6	50.0
47 Freon-113	50.0000	52.1712	4.3	50.0
48 1,3-Dichlorobenzene	50.0000	52.3720	4.7	50.0
49 1,4-Dichlorobenzene	50.0000	53.6593	7.3	50.0
50 1,2-Dichlorobenzene	50.0000	53.1345	6.3	50.0
51 Acetonitrile	500.0000	538.1873	7.6	50.0
52 Iodomethane	50.0000	47.9242	4.2	50.0
59 1,4-Dioxane	2500.0000	2631.7229	5.3	50.0
60 Dibromomethane	50.0000	52.3148	4.6	50.0
62 Ethyl Methacrylate	50.0000	49.9283	0.1	50.0
63 1,2-Dibromoethane	50.0000	53.0229	6.0	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	51.4805	3.0	50.0
65 1,2,3-Trichloropropane	50.0000	55.6011	11.2	50.0
66 1,4-Dichloro-2-butene	50.0000	54.0401	8.1	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	57.2021	14.4	50.0
82 Methyl tert-butyl ether	50.0000	51.5757	3.2	50.0
84 Tetrahydrofuran	50.0000	49.8702	0.3	50.0
98 2,2-Dichloropropane	50.0000	52.9102	5.8	50.0
99 1,1-Dichloropropene	50.0000	52.4685	4.9	50.0
100 1,3-Dichloropropane	50.0000	53.7246	7.4	50.0
102 Bromobenzene	50.0000	53.6105	7.2	50.0
103 2-Chlorotoluene	50.0000	54.6868	9.4	50.0
104 n-Propylbenzene	50.0000	49.8379	0.3	50.0
105 4-Chlorotoluene	50.0000	57.0533	14.1	50.0
106 1,3,5-Trimethylbenzene	50.0000	49.4993	1.0	50.0
107 tert-Butylbenzene	50.0000	47.6154	4.8	50.0
108 1,2,4-Trimethylbenzene	50.0000	50.8849	1.8	50.0
109 sec-Butylbenzene	50.0000	48.8223	2.4	50.0
110 4-Isopropyltoluene	50.0000	47.4920	5.0	50.0
111 n-Butylbenzene	50.0000	46.0906	7.8	50.0
112 1,2,4-Trichlorobenzene	50.0000	49.5325	0.9	50.0
113 Naphthalene	50.0000	44.9899	10.0	50.0
114 Hexachlorobutadiene	50.0000	46.2000	7.6	50.0
115 1,2,3-Trichlorobenzene	50.0000	45.8898	8.2	50.0
124 tert-Butyl Alcohol	1000.0000	987.6990	1.2	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\040827B.D/UX79333.D
Report Date: 08/31/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

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

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

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
125 Hexane	50.0000	46.2738	7.5	20.0
127 Cyclohexane	50.0000	45.6664	8.7	50.0
128 Isopropylbenzene	50.0000	45.7338	8.5	50.0
130 Fluorobenzene	50.0000	50.0000	0.0	50.0
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0
133 Bromochloromethane	50.0000	48.9208	2.2	50.0
141 1,3,5-Trichlorobenzene	50.0000	48.5062	3.0	50.0
143 Methyl Acetate	100.0000	101.2797	1.3	50.0
144 Methylcyclohexane	50.0000	43.0646	13.9	50.0
22 Toluene-d8	50.0000	52.1163	4.2	50.0
32 Bromofluorobenzene	50.0000	49.2489	1.5	50.0
47 1,2-Dichloroethane-d4	50.0000	50.6722	1.3	50.0
131 Dibromofluoromethane	50.0000	49.3315	1.3	50.0

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

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

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

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

Rf: 0.39HH
cmR 8-31-04

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

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

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

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

Rf = 0.1903 ✓
CMR 8-31-04

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

STL North Canton

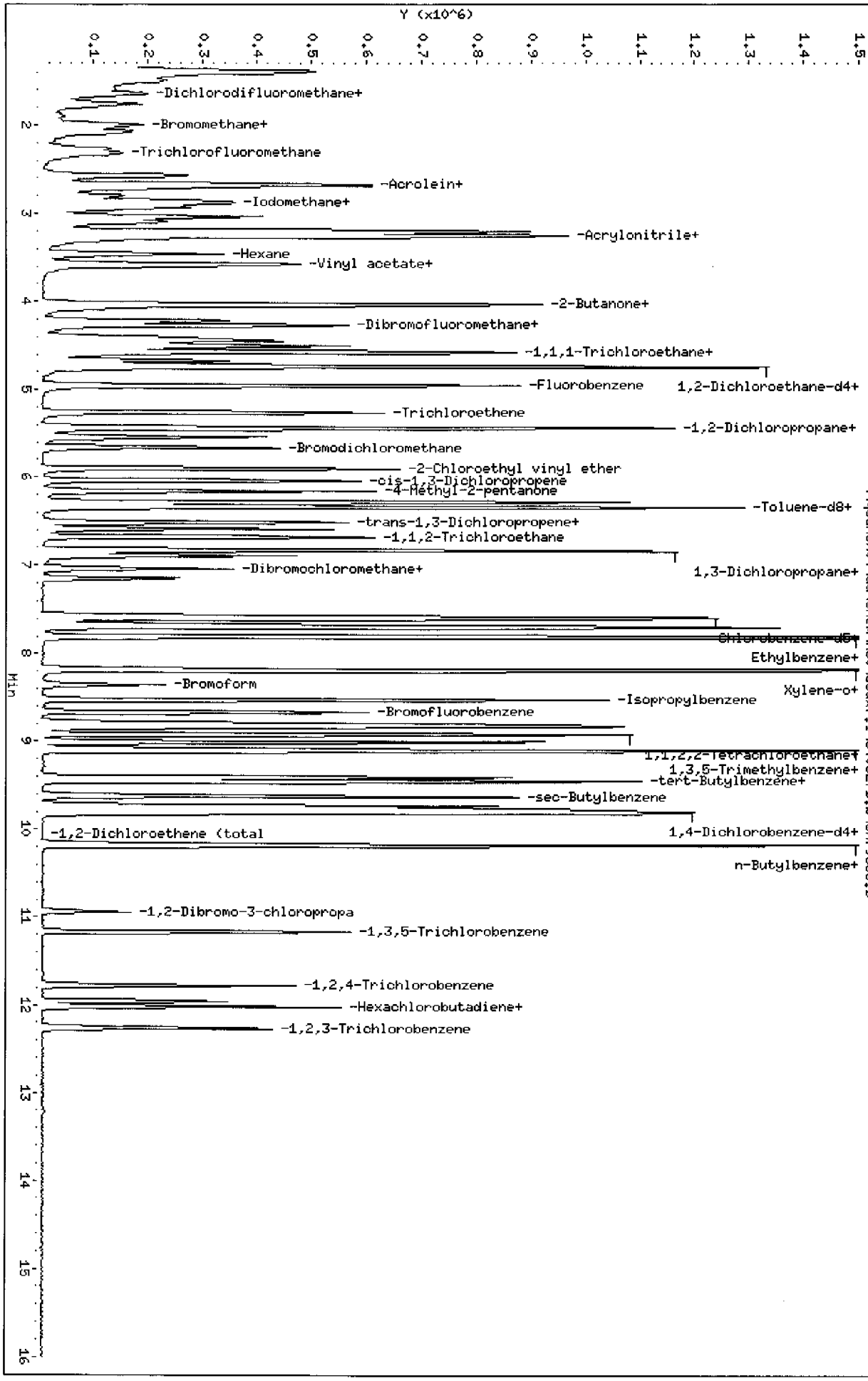
CONTINUING CALIBRATION COMPOUNDS

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

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79333.D
Date : 27-AUG-2004 20:29
Client ID:
Sample Info: 50NC-CC
Purge Volume: 5.0
Column phase: DB624 20m

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



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

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79333.D
Lab Smp Id: 50NG-CC
Inj Date : 27-AUG-2004 20:29
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NG-CC
Misc Info : U40827B,N8260UX7-3,1-8260.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 31-Aug-2004 14:02 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	870722	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	579090	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	253033	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	191202	50.0000	49.331
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	294021	50.0000	50.672
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	777900	50.0000	52.116
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	234395	50.0000	49.249
8 Dichlorodifluoromethane	85	1.592	1.592	(0.321)	239662	50.0000	51.975
9 Chloromethane	50	1.651	1.651	(0.333)	343427	50.0000	46.222
10 Vinyl Chloride	62	1.757	1.757	(0.355)	334435	50.0000	46.512
11 Bromomethane	94	1.994	1.994	(0.403)	236298	50.0000	44.416
12 Chloroethane	64	2.077	2.077	(0.419)	240096	50.0000	44.365
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	372064	50.0000	51.954
15 Acrolein	56	2.574	2.574	(0.520)	432039	500.000	512.71
16 Acetone	43	2.680	2.680	(0.541)	219267	100.000	86.248
17 1,1-Dichloroethene	96	2.668	2.668	(0.539)	219192	50.0000	51.344
18 Freon-113	151	2.680	2.680	(0.541)	135963	50.0000	52.171

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.799	2.799	(0.565)	279023	50.0000	47.924
	20 Carbon Disulfide	76	2.858	2.858	(0.577)	817724	50.0000	47.730
	21 Methylene Chloride	84	3.035	3.035	(0.613)	268041	50.0000	46.677
	22 Acetonitrile	41	2.893	2.893	(0.584)	313590	500.000	538.19
	23 Acrylonitrile	53	3.201	3.201	(0.646)	1022232	500.000	530.49
	24 Methyl tert-butyl ether	73	3.248	3.248	(0.656)	588035	50.0000	51.576
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	249881	50.0000	50.552
	26 Hexane	86	3.461	3.461	(0.699)	38888	50.0000	46.274
	27 Vinyl acetate	43	3.591	3.591	(0.725)	407820	50.0000	47.586
	28 1,1-Dichloroethane	63	3.568	3.568	(0.720)	450117	50.0000	50.209
	29 tert-Butyl Alcohol	59	3.094	3.094	(0.625)	321761	1000.00	987.70
	30 2-Butanone	43	4.017	4.017	(0.811)	247955	100.000	93.451
M	31 1,2-Dichloroethene (total)	96				498006	100.000	101.58
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	248125	50.0000	51.027
	33 2,2-Dichloropropane	77	4.041	4.041	(0.816)	295500	50.0000	52.910
	34 Bromochloromethane	128	4.218	4.218	(0.852)	108607	50.0000	48.921
	35 Chloroform	83	4.266	4.266	(0.861)	428382	50.0000	49.634
	36 Tetrahydrofuran	42	4.254	4.254	(0.859)	60019	50.0000	49.870
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	352334	50.0000	50.955
	38 1,1-Dichloropropene	75	4.562	4.562	(0.921)	311288	50.0000	52.468
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	273548	50.0000	51.170
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	377808	50.0000	50.703
	41 Benzene	78	4.739	4.739	(0.957)	1041437	50.0000	50.349
	42 Trichloroethene	130	5.260	5.260	(1.062)	211364	50.0000	50.187
	43 1,2-Dichloropropane	63	5.437	5.437	(1.098)	253477	50.0000	50.009
	44 1,4-Dioxane	88	5.532	5.532	(1.117)	96315	2500.00	2631.7(A)
	45 Dibromomethane	93	5.532	5.532	(1.117)	151826	50.0000	52.315
	46 Bromodichloromethane	83	5.662	5.662	(1.143)	328269	50.0000	52.751
	47 2-Chloroethyl vinyl ether	63	5.899	5.899	(1.191)	298200	100.000	100.59
	48 cis-1,3-Dichloropropene	75	6.041	6.041	(1.220)	362320	50.0000	51.116
	49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	436952	100.000	95.161
	50 Toluene	91	6.337	6.337	(0.837)	1035691	50.0000	53.265
	51 trans-1,3-Dichloropropene	75	6.514	6.514	(0.861)	324389	50.0000	53.014
	52 Ethyl Methacrylate	69	6.585	6.585	(0.870)	286014	50.0000	49.928
	53 1,1,2-Trichloroethane	97	6.680	6.680	(0.883)	220029	50.0000	52.890
	54 1,3-Dichloropropane	76	6.822	6.822	(0.901)	390087	50.0000	53.724
	55 Tetrachloroethene	164	6.834	6.834	(0.903)	135357	50.0000	50.603
	56 2-Hexanone	43	6.893	6.893	(0.911)	334595	100.000	92.635
	57 Dibromochloromethane	129	7.035	7.035	(0.930)	199133	50.0000	58.709
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	194396	50.0000	53.023
	59 Chlorobenzene	112	7.603	7.603	(1.005)	595332	50.0000	50.892
	60 1,1,1,2-Tetrachloroethane	131	7.674	7.674	(1.014)	191593	50.0000	51.480
	61 Ethylbenzene	106	7.697	7.697	(1.017)	302544	50.0000	47.962
	62 m + p-Xylene	106	7.804	7.804	(1.031)	766025	100.000	95.096
M	63 Xylenes (total)	106				1128050	150.000	141.68
	64 Xylene-o	106	8.182	8.182	(1.081)	362025	50.0000	46.589
	65 Styrene	104	8.182	8.182	(1.081)	654753	50.0000	46.820

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.360	8.360	(1.105)	110220	50.0000	63.914
67 Isopropylbenzene	105	8.526	8.526	(1.127)	704679	50.0000	45.734
68 1,1,2,2-Tetrachloroethane	83	8.798	8.798	(0.898)	296543	50.0000	55.238
69 1,4-Dichloro-2-butene	53	8.845	8.845	(0.903)	93881	50.0000	54.040
70 1,2,3-Trichloropropane	110	8.833	8.833	(0.902)	91054	50.0000	55.601
71 Bromobenzene	156	8.821	8.821	(0.901)	203012	50.0000	53.610
72 n-Propylbenzene	120	8.916	8.916	(0.911)	200695	50.0000	49.838
73 2-Chlorotoluene	126	8.999	8.999	(0.919)	188596	50.0000	54.687
74 1,3,5-Trimethylbenzene	105	9.094	9.094	(0.929)	640165	50.0000	49.499
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	212304	50.0000	57.053
76 tert-Butylbenzene	119	9.413	9.413	(0.961)	452843	50.0000	47.615
77 1,2,4-Trimethylbenzene	105	9.449	9.449	(0.965)	696293	50.0000	50.885
78 sec-Butylbenzene	105	9.626	9.626	(0.983)	724388	50.0000	48.822
79 4-Isopropyltoluene	119	9.768	9.768	(0.998)	562584	50.0000	47.492
80 1,3-Dichlorobenzene	146	9.733	9.733	(0.994)	364426	50.0000	52.372(H)
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	399754	50.0000	53.659
82 n-Butylbenzene	91	10.170	10.170	(1.039)	527538	50.0000	46.091
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	373980	50.0000	53.134
84 1,2-Dibromo-3-chloropropane	157	10.940	10.940	(1.117)	40457	50.0000	57.202
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	146680	50.0000	49.532
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	52535	50.0000	46.200
87 Naphthalene	128	12.016	12.016	(1.227)	468635	50.0000	44.990
88 1,2,3-Trichlorobenzene	180	12.265	12.265	(1.253)	131550	50.0000	45.890
98 Cyclohexane	56	4.502	4.502	(0.909)	340826	50.0000	45.666
143 Methyl Acetate	43	2.929	2.929	(0.591)	340723	100.000	101.28
144 Methylcyclohexane	83	5.437	5.437	(1.098)	249885	50.0000	43.064
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	166737	50.0000	48.506

QC Flag Legend

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

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

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

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

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

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
53 3-Chloropropene	50.0000	43.1630	13.7	50.0	
54 2-Chloro-1,3-butadiene	50.0000	47.4331	5.1	50.0	
55 Propionitrile	100.0000	87.1036	12.9	50.0	
56 Methacrylonitrile	50.0000	38.0252	23.9	50.0	
57 Isobutanol	1000.0000	845.5373	15.4	50.0	
58 Methyl Methacrylate	50.0000	34.3107	31.4	50.0	
73 n-Butanol	1000.0000	634.4865	36.6	50.0	
74 Ethyl Acetate	100.0000	80.1146	19.9	50.0	
75 Cyclohexanone	500.0000	157.6422	68.5	50.0	<-
76 Ethyl Ether	50.0000	48.9789	2.0	50.0	
85 Dichlorofluoromethane	50.0000	65.1814	30.4	50.0	
86 2-Nitropropane	100.0000	89.8011	10.2	50.0	
126 Isopropyl Ether	250.0000	236.0529	5.6	50.0	
130 Fluorobenzene	50.0000	50.0000	0.0	50.0	
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
146 2-Methylnaphthalene	100.0000	22.0422	78.0	50.0	<-

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

STL - North Canton

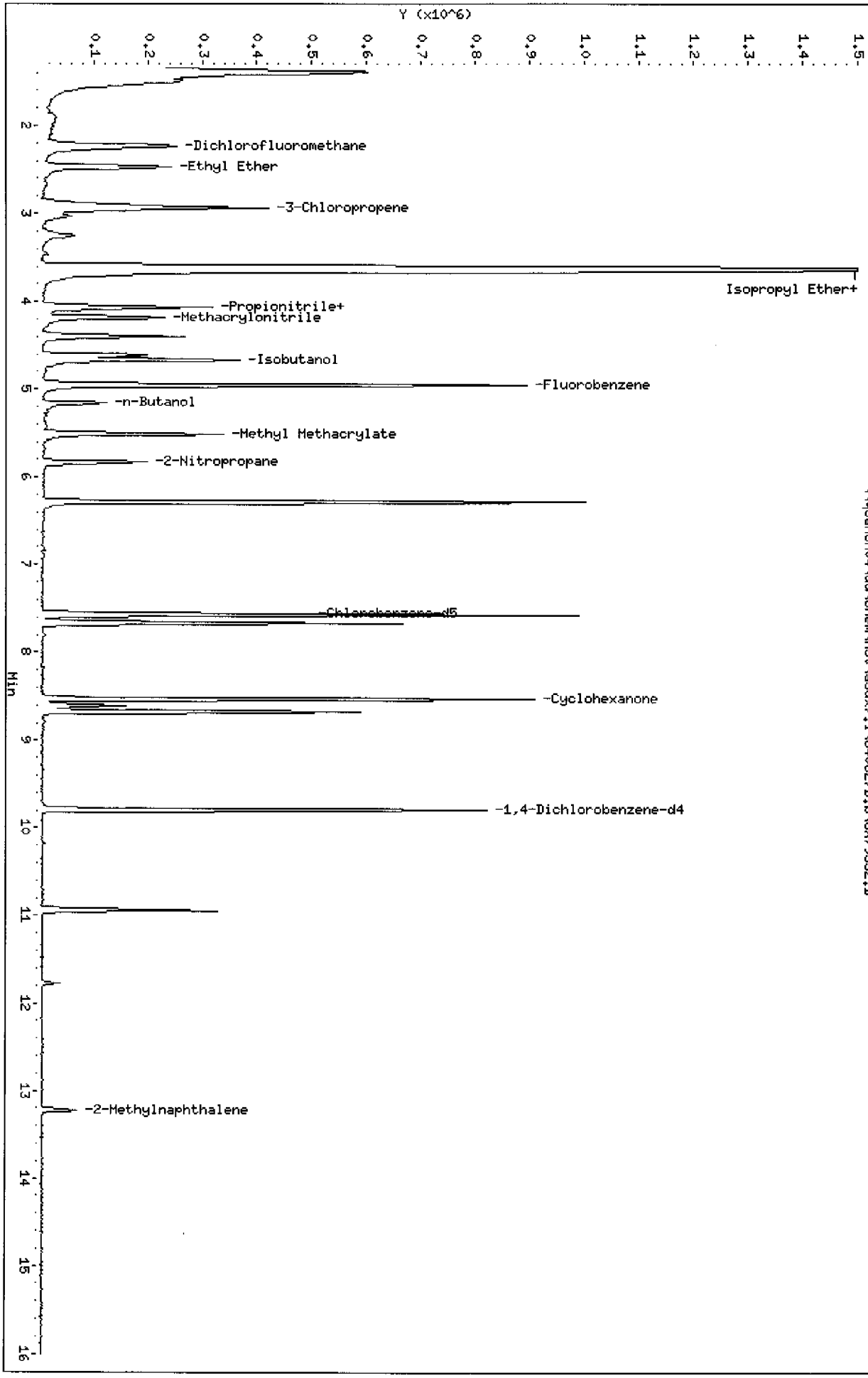
CONTINUING CALIBRATION COMPOUNDS

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

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

Data File: \\qcanch04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79332.D
Date : 27-AUG-2004 20:06
Client ID:
Sample Info: 50NGA9-CC
Purge Volume: 5.0
Column phase: DB624 20m

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



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

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79332.D
Lab Smp Id: 50NGA9-CC
Inj Date : 27-AUG-2004 20:06
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NGA9-CC
Misc Info : U40827B,N8260UX7-3,3-IX.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 30-Aug-2004 12:05 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	920347	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	567388	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	209268	50.0000	
14 Dichlorofluoromethane	67	2.231	2.231	(0.450)	513720	50.0000	65.181
89 Ethyl Ether	59	2.467	2.467	(0.498)	216468	50.0000	48.979
91 3-Chloropropene	76	2.941	2.941	(0.594)	117257	50.0000	43.163
92 Isopropyl Ether	87	3.615	3.615	(0.730)	1035232	250.000	236.05(A)
93 2-Chloro-1,3-butadiene	53	3.639	3.639	(0.735)	401627	50.0000	47.433
94 Propionitrile	54	4.065	4.065	(0.821)	72011	100.000	87.103
95 Ethyl Acetate	43	4.065	4.065	(0.821)	419865	100.000	80.114
96 Methacrylonitrile	41	4.183	4.183	(0.845)	131800	50.0000	38.025
97 Isobutanol	41	4.609	4.609	(0.609)	128226	1000.00	845.53(A)
99 n-Butanol	56	5.153	5.153	(0.681)	90882	1000.00	634.49(A)
100 Methyl Methacrylate	41	5.508	5.508	(1.112)	172301	50.0000	34.310
101 2-Nitropropane	41	5.828	5.828	(1.177)	138851	100.000	89.800
103 Cyclohexanone	55	8.597	8.597	(0.878)	84863	500.000	157.64
146 2-Methylnaphthalene	142	13.223	13.223	(1.350)	38409	100.000	22.042

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

QC Flag Legend

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

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\N8260UX7-3.m
Start Cal Date: 20-APR-2004 14:54
End Cal Date : 21-AUG-2004 10:14
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

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

Continuing Calibration

30-AUG-2004 08:40	1-8260	UX79360.D
30-AUG-2004 08:17	3-IX	UX79359.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.D/UX79360.D
Report Date: 08/31/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX79360.D
Analysis Type: WATER

Injection Date: 30-AUG-2004 08:40
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	45.3242	9.4	50.0
0 Bromodichloromethane	50.0000	46.3269	7.3	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	51.0316	2.1	50.0
0 Bromoform	50.0000	58.8965	17.8	50.0
0 Styrene	50.0000	41.5215	17.0	50.0
0 Xylene-o	50.0000	40.7985	18.4	50.0
0 Xylenes (total)	150.0000	123.7583	17.5	50.0
0 2-Hexanone	100.0000	84.3879	15.6	50.0
0 Chloromethane	50.0000	42.5519	14.9	50.0
0 Vinyl Chloride	50.0000	45.7558	8.5	20.0
0 Bromomethane	50.0000	44.8794	10.2	50.0
0 Chloroethane	50.0000	43.3620	13.3	50.0
0 1,1-Dichloroethane	50.0000	43.8721	12.3	50.0
0 Tetrachloroethene	50.0000	44.3234	11.4	50.0
0 Acetone	100.0000	75.5274	24.5	50.0
0 1,1-Dichloroethene	50.0000	44.2861	11.4	20.0
0 m + p-Xylene	100.0000	82.9598	17.0	50.0
0 Ethylbenzene	50.0000	41.6815	16.6	20.0
0 Carbon Disulfide	50.0000	43.1722	13.7	50.0
0 Methylene Chloride	50.0000	48.8552	2.3	50.0
0 1,2-Dichloropropane	50.0000	43.1907	13.6	20.0
0 1,1,2-Trichloroethane	50.0000	45.8507	8.3	50.0
0 Dibromochloromethane	50.0000	52.3473	4.7	50.0
0 trans-1,2-Dichloroethene	50.0000	44.5770	10.8	50.0
0 trans-1,3-Dichloropropene	50.0000	47.2841	5.4	50.0
0 cis-1,3-Dichloropropene	50.0000	44.3895	11.2	50.0
0 Chloroform	50.0000	43.7106	12.6	20.0
0 Toluene	50.0000	46.3307	7.3	20.0
0 2-Butanone	100.0000	104.7765	4.8	50.0
0 1,2-Dichloroethene (total)	100.0000	89.3105	10.7	50.0
0 cis-1,2-dichloroethene	50.0000	44.7334	10.5	50.0
0 4-Methyl-2-pentanone	100.0000	90.2317	9.8	50.0
0 1,2-Dichloroethane	50.0000	44.2182	11.6	50.0
0 Trichloroethene	50.0000	43.4789	13.0	50.0
0 1,1,1-Trichloroethane	50.0000	45.8331	8.3	50.0
0 Carbon Tetrachloride	50.0000	43.1944	13.6	50.0
0 Benzene	50.0000	42.8868	14.2	50.0
38 Dichlorodifluoromethane	50.0000	46.4184	7.2	50.0
39 Trichlorofluoromethane	50.0000	50.1485	0.3	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\040830A.D/UX79360.D
Report Date: 08/31/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX79360.D
Analysis Type: WATER

Injection Date: 30-AUG-2004 08:40
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	494.8853	1.0	50.0
41 Acrylonitrile	500.0000	523.3100	4.7	50.0
42 Vinyl acetate	50.0000	67.7875	35.6	50.0
43 2-Chloroethyl vinyl ether	100.0000	102.5235	2.5	50.0
47 Freon-113	50.0000	45.7231	8.6	50.0
48 1,3-Dichlorobenzene	50.0000	47.3167	5.4	50.0
49 1,4-Dichlorobenzene	50.0000	46.7856	6.4	50.0
50 1,2-Dichlorobenzene	50.0000	47.5658	4.9	50.0
51 Acetonitrile	500.0000	648.4752	29.7	50.0
52 Iodomethane	50.0000	42.7225	14.6	50.0
59 1,4-Dioxane	2500.0000	2808.0531	12.3	50.0
60 Dibromomethane	50.0000	44.4664	11.1	50.0
62 Ethyl Methacrylate	50.0000	42.9790	14.0	50.0
63 1,2-Dibromoethane	50.0000	47.7495	4.5	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	52.2963	4.6	50.0
65 1,2,3-Trichloropropane	50.0000	48.5234	3.0	50.0
66 1,4-Dichloro-2-butene	50.0000	52.9538	5.9	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	74.4086	48.8	50.0
82 Methyl tert-butyl ether	50.0000	47.2066	5.6	50.0
84 Tetrahydrofuran	50.0000	46.6967	6.6	50.0
98 2,2-Dichloropropane	50.0000	48.2855	3.4	50.0
99 1,1-Dichloropropene	50.0000	45.7285	8.5	50.0
100 1,3-Dichloropropane	50.0000	47.1180	5.8	50.0
102 Bromobenzene	50.0000	51.0119	2.0	50.0
103 2-Chlorotoluene	50.0000	51.3685	2.7	50.0
104 n-Propylbenzene	50.0000	43.9289	12.1	50.0
105 4-Chlorotoluene	50.0000	50.5302	1.1	50.0
106 1,3,5-Trimethylbenzene	50.0000	43.7041	12.6	50.0
107 tert-Butylbenzene	50.0000	42.4569	15.1	50.0
108 1,2,4-Trimethylbenzene	50.0000	44.6166	10.8	50.0
109 sec-Butylbenzene	50.0000	42.9451	14.1	50.0
110 4-Isopropyltoluene	50.0000	42.6952	14.6	50.0
111 n-Butylbenzene	50.0000	42.5099	15.0	50.0
112 1,2,4-Trichlorobenzene	50.0000	45.4934	9.0	50.0
113 Naphthalene	50.0000	44.1477	11.7	50.0
114 Hexachlorobutadiene	50.0000	43.3832	13.2	50.0
115 1,2,3-Trichlorobenzene	50.0000	45.6670	8.7	50.0
124 tert-Butyl Alcohol	1000.0000	976.4477	2.4	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\040830A.D\UX79360.D
Report Date: 08/31/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX79360.D
Analysis Type: WATER

Injection Date: 30-AUG-2004 08:40
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	35.3572	29.3	20.0	<-
127 Cyclohexane	50.0000	39.3279	21.3	50.0	
128 Isopropylbenzene	50.0000	44.7451	10.5	50.0	
130 Fluorobenzene	50.0000	50.0000	0.0	50.0	
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
133 Bromochloromethane	50.0000	42.7717	14.5	50.0	
141 1,3,5-Trichlorobenzene	50.0000	44.3659	11.3	50.0	
143 Methyl Acetate	100.0000	99.7481	0.3	50.0	
144 Methylcyclohexane	50.0000	35.7102	28.6	50.0	
22 Toluene-d8	50.0000	50.1775	0.4	50.0	
32 Bromofluorobenzene	50.0000	48.1033	3.8	50.0	
47 1,2-Dichloroethane-d4	50.0000	47.9409	4.1	50.0	
131 Dibromofluoromethane	50.0000	46.2134	7.6	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79360.D
Report Date: 31-Aug-2004 09:54

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX79360.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\N8260UX7-3.m

Injection Date: 30-AUG-2004 08:40
Init. Cal. Date(s): 20-APR-2004 21-AUG-2004
Init. Cal. Times: 14:54 10:14
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	4 Dibromofluoromethane	0.22257	0.20571	0.010	-7.6	50.0	
$	5 1,2-Dichloroethane-d4	0.33320	0.31947	0.010	-4.1	50.0	
$	6 Toluene-d8	1.28877	1.29334	0.010	0.4	50.0	
$	7 Bromofluorobenzene	0.41094	0.39535	0.010	-3.8	50.0	
	8 Dichlorodifluoromethane	0.26478	0.24582	0.010	-7.2	50.0	
	9 Chloromethane	50.00000	42.55186	0.100	14.9	50.0	Rf=0.3639
	10 Vinyl Chloride	50.00000	45.75584	0.010	8.5	20.0	emk 9-31-04
	11 Bromomethane	50.00000	44.87943	0.010	10.2	50.0	
	12 Chloroethane	50.00000	43.36200	0.010	13.3	50.0	
	13 Trichlorofluoromethane	0.41123	0.41245	0.010	0.3	50.0	
	15 Acrolein	0.04839	0.04789	0.010	-1.0	50.0	
	16 Acetone	100	75.52738	0.010	24.5	50.0	
	17 1,1-Dichloroethene	0.24515	0.21713	0.010	-11.4	20.0	
	18 Freon-113	0.14965	0.13685	0.010	-8.6	50.0	
	19 Iodomethane	0.33433	0.28567	0.010	-14.6	50.0	
	20 Carbon Disulfide	0.98381	0.84946	0.010	-13.7	50.0	
	21 Methylene Chloride	50.00000	48.85518	0.010	2.3	50.0	
	22 Acetonitrile	0.03346	0.04340	0.010	29.7	50.0	
	23 Acrylonitrile	0.11065	0.11581	0.010	4.7	50.0	
	24 Methyl tert-butyl ether	0.65471	0.61813	0.010	-5.6	50.0	
	25 trans-1,2-Dichloroethene	0.28384	0.25306	0.010	-10.8	50.0	
	26 Hexane	50.00000	35.35715	0.010	29.3	20.0	<-
	27 Vinyl acetate	50.00000	67.78746	0.010	-35.6	50.0	
	28 1,1-Dichloroethane	0.51479	0.45170	0.100	-12.3	50.0	
	29 tert-Butyl Alcohol	1000	976	0.010	2.4	50.0	
	30 2-Butanone	0.15236	0.15964	0.010	4.8	50.0	
M	31 1,2-Dichloroethene (total)	0.28154	0.25144	0.010	-10.7	50.0	
	32 cis-1,2-dichloroethene	0.27923	0.24982	0.010	-10.5	50.0	
	33 2,2-Dichloropropane	0.32071	0.30971	0.010	-3.4	50.0	
	34 Bromochloromethane	0.12748	0.10905	0.010	-14.5	50.0	
	35 Chloroform	0.49561	0.43327	0.010	-12.6	20.0	
	36 Tetrahydrofuran	0.06911	0.06454	0.010	-6.6	50.0	
	37 1,1,1-Trichloroethane	0.39706	0.36397	0.010	-8.3	50.0	
	38 1,1-Dichloropropene	0.34069	0.31158	0.010	-8.5	50.0	
	39 Carbon Tetrachloride	0.30698	0.26520	0.010	-13.6	50.0	
	40 1,2-Dichloroethane	0.42788	0.37840	0.010	-11.6	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79360.D
Report Date: 31-Aug-2004 09:54

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 30-AUG-2004 08:40
Lab File ID: UX79360.D Init. Cal. Date(s): 20-APR-2004 21-AUG-2004
Analysis Type: WATER Init. Cal. Times: 14:54 10:14
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\N8260UX7-3.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	41 Benzene	1.18777	1.01879	0.010	-14.2	50.0
	42 Trichloroethene	0.24184	0.21030	0.010	-13.0	50.0
	43 1,2-Dichloropropane	0.29106	0.25142	0.010	-13.6	20.0
	44 1,4-Dioxane	2500	2808	0.010	-12.3	50.0
	45 Dibromomethane	0.16665	0.14821	0.010	-11.1	50.0
	46 Bromodichloromethane	0.35735	0.33110	0.010	-7.3	50.0
	47 2-Chloroethyl vinyl ether	100	103	0.010	-2.5	50.0
	48 cis-1,3-Dichloropropene	0.40703	0.36135	0.010	-11.2	50.0
	49 4-Methyl-2-pentanone	100	90.23165	0.010	9.8	50.0
	50 Toluene	1.67886	1.55566	0.010	-7.3	20.0
	51 trans-1,3-Dichloropropene	0.52832	0.49962	0.010	-5.4	50.0
	52 Ethyl Methacrylate	50.00000	42.97905	0.010	14.0	50.0
	53 1,1,2-Trichloroethane	0.35919	0.32938	0.010	-8.3	50.0
	54 1,3-Dichloropropane	0.62692	0.59078	0.010	-5.8	50.0
	55 Tetrachloroethene	0.23096	0.20473	0.010	-11.4	50.0
	56 2-Hexanone	100	84.38792	0.010	15.6	50.0
	57 Dibromochloromethane	0.29286	0.30661	0.010	4.7	50.0
	58 1,2-Dibromoethane	0.31655	0.30231	0.010	-4.5	50.0
	59 Chlorobenzene	1.01002	0.91557	0.300	-9.4	50.0
	60 1,1,1,2-Tetrachloroethane	0.32134	0.33610	0.010	4.6	50.0
	61 Ethylbenzene	50.00000	41.68150	0.010	16.6	20.0
	62 m + p-Xylene	100	82.95977	0.010	17.0	50.0
M	63 Xylenes (total)	150	124	0.010	17.5	50.0
	64 Xylene-o	50.00000	40.79848	0.010	18.4	50.0
	65 Styrene	50.00000	41.52147	0.010	17.0	50.0
	66 Bromoform	50.00000	58.89652	0.100	-17.8	50.0
	67 Isopropylbenzene	50.00000	44.74512	0.010	10.5	50.0
	68 1,1,2,2-Tetrachloroethane	1.06083	1.08272	0.300	2.1	50.0
	69 1,4-Dichloro-2-butene	0.34328	0.36356	0.010	5.9	50.0
	70 1,2,3-Trichloropropane	0.32360	0.31404	0.010	-3.0	50.0
	71 Bromobenzene	0.74828	0.76342	0.010	2.0	50.0
	72 n-Propylbenzene	50.00000	43.92887	0.010	12.1	50.0
	73 2-Chlorotoluene	0.68146	0.70011	0.010	2.7	50.0
	74 1,3,5-Trimethylbenzene	50.00000	43.70408	0.010	12.6	50.0
	75 4-Chlorotoluene	0.73531	0.74311	0.010	1.1	50.0
	76 tert-Butylbenzene	50.00000	42.45690	0.010	15.1	50.0

Rf = 0.1737 ~~0.1449~~
CMR 9-31-04

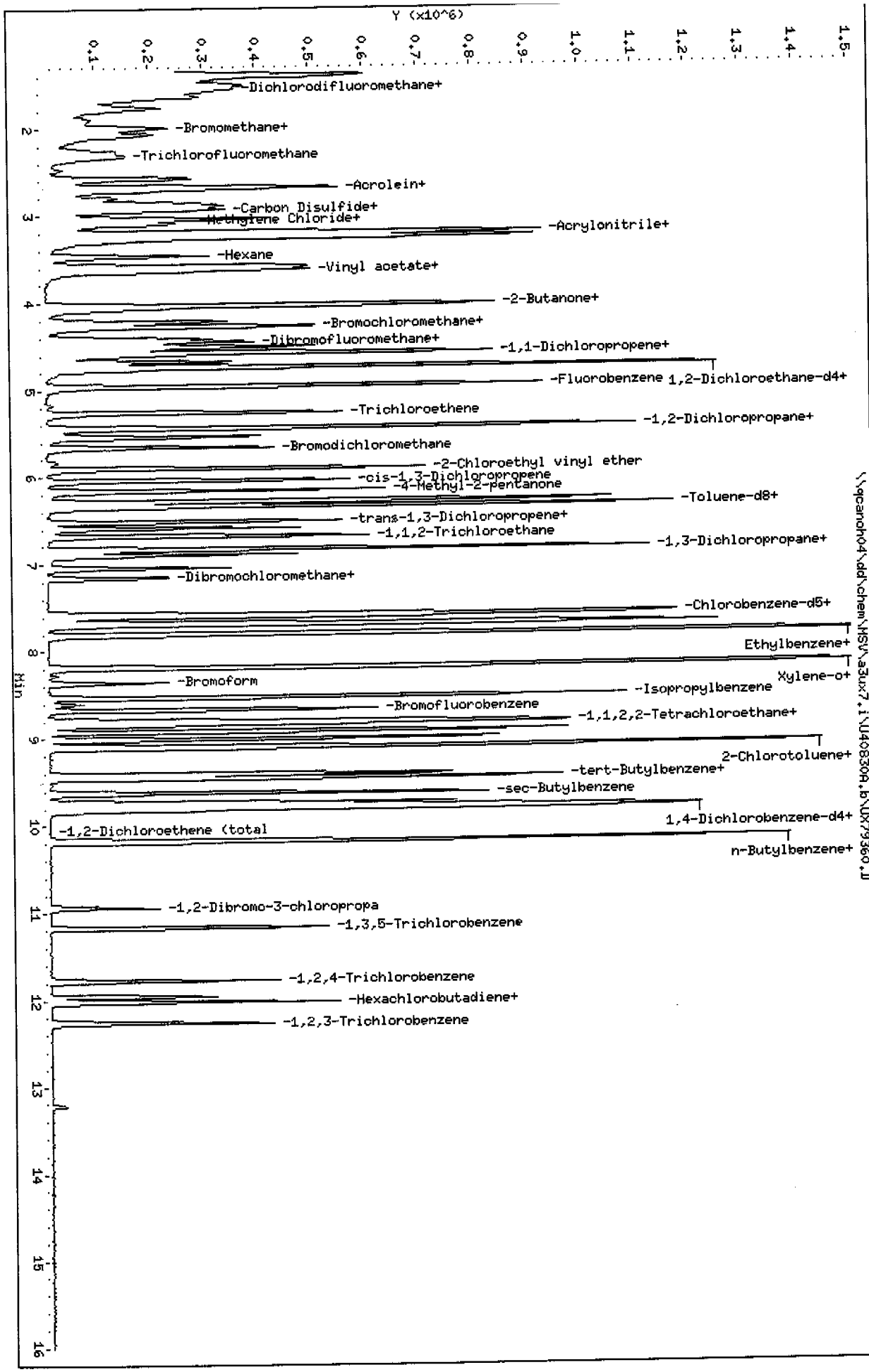
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79360.D
Report Date: 31-Aug-2004 09:54

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 30-AUG-2004 08:40
Lab File ID: UX79360.D Init. Cal. Date(s): 20-APR-2004 21-AUG-2004
Analysis Type: WATER Init. Cal. Times: 14:54 10:14
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\N8260UX7-3.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	50.00000	44.61660	0.010	10.8	50.0
78 sec-Butylbenzene	50.00000	42.94510	0.010	14.1	50.0
79 4-Isopropyltoluene	50.00000	42.69517	0.010	14.6	50.0
80 1,3-Dichlorobenzene	1.37500	1.30121	0.010	-5.4	50.0
81 1,4-Dichlorobenzene	1.47211	1.37747	0.010	-6.4	50.0
82 n-Butylbenzene	50.00000	42.50989	0.010	15.0	50.0
83 1,2-Dichlorobenzene	1.39080	1.32309	0.010	-4.9	50.0
84 1,2-Dibromo-3-chloropropane	0.13976	0.20798	0.010	48.8	50.0
85 1,2,4-Trichlorobenzene	0.58516	0.53242	0.010	-9.0	50.0
86 Hexachlorobutadiene	0.22470	0.19496	0.010	-13.2	50.0
87 Naphthalene	50.00000	44.14769	0.010	11.7	50.0
88 1,2,3-Trichlorobenzene	50.00000	45.66696	0.010	8.7	50.0
98 Cyclohexane	50.00000	39.32786	0.010	21.3	50.0
143 Methyl Acetate	0.19318	0.19270	0.010	-0.3	50.0
144 Methylcyclohexane	50.00000	35.71019	0.010	28.6	50.0
141 1,3,5-Trichlorobenzene	0.67925	0.60271	0.010	-11.3	50.0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Date : 30-AUG-2004 08:40
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Carbon Disulfide+
-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
-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
\\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79360.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79360.D
Lab Smp Id: 50NG-CC
Inj Date : 30-AUG-2004 08:40
Operator : 1754
Smp Info : 50NG-CC
Misc Info : U40830A,N8260UX7-3,1-8260.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\N8260UX7-3.m
Meth Date : 31-Aug-2004 09:54 roachc
Cal Date : 15-JUL-2004 14:56
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.04
Processing Host: CANPMSV03

Inst ID: a3ux7.i

Quant Type: ISTD
Cal File: UX77665.D
Continuing Calibration Sample

Compound Sublist: 1-8260.SUB

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	928285	50.0000	
* 2 Chlorobenzene-d5	117	7.579	7.579	(1.000)	614043	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	256675	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	190958	50.0000	46.213
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	296563	50.0000	47.941
$ 6 Toluene-d8	98	6.277	6.277	(0.828)	794168	50.0000	50.178
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.144)	242761	50.0000	48.103
8 Dichlorodifluoromethane	85	1.591	1.591	(0.321)	228189	50.0000	46.418
9 Chloromethane	50	1.651	1.651	(0.333)	337817	50.0000	42.552
10 Vinyl Chloride	62	1.757	1.757	(0.355)	350800	50.0000	45.756
11 Bromomethane	94	1.994	1.994	(0.403)	254817	50.0000	44.879
12 Chloroethane	64	2.065	2.065	(0.417)	249818	50.0000	43.362
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	382872	50.0000	50.148
15 Acrolein	56	2.573	2.573	(0.520)	444584	500.000	494.88
16 Acetone	43	2.680	2.680	(0.541)	206324	100.000	75.527
17 1,1-Dichloroethene	96	2.668	2.668	(0.539)	201559	50.0000	44.286
18 Freon-113	151	2.692	2.692	(0.544)	127036	50.0000	45.723

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79360.D
Report Date: 31-Aug-2004 09:54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.798	2.798	(0.565)	265182	50.0000	42.722
	20 Carbon Disulfide	76	2.869	2.869	(0.579)	788544	50.0000	43.172
	21 Methylene Chloride	84	3.035	3.035	(0.613)	298035	50.0000	48.855
	22 Acetonitrile	41	2.905	2.905	(0.587)	402832	500.000	648.48
	23 Acrylonitrile	53	3.201	3.201	(0.646)	1075067	500.000	523.31
	24 Methyl tert-butyl ether	73	3.248	3.248	(0.656)	573802	50.0000	47.206
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	234911	50.0000	44.577
	26 Hexane	86	3.461	3.461	(0.699)	30946	50.0000	35.357
	27 Vinyl acetate	43	3.591	3.591	(0.725)	637251	50.0000	67.787
	28 1,1-Dichloroethane	63	3.579	3.579	(0.723)	419306	50.0000	43.872
	29 tert-Butyl Alcohol	59	3.094	3.094	(0.625)	338787	1000.00	976.45
	30 2-Butanone	43	4.017	4.017	(0.811)	296383	100.000	104.78
M	31 1,2-Dichloroethene (total)	96				466811	100.000	89.310
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	231900	50.0000	44.733
	33 2,2-Dichloropropane	77	4.041	4.041	(0.816)	287499	50.0000	48.285
	34 Bromochloromethane	128	4.218	4.218	(0.852)	101233	50.0000	42.772
	35 Chloroform	83	4.277	4.277	(0.864)	402195	50.0000	43.711
	36 Tetrahydrofuran	42	4.254	4.254	(0.859)	59915	50.0000	46.697
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	337867	50.0000	45.833
	38 1,1-Dichloropropene	75	4.573	4.573	(0.924)	289236	50.0000	45.728
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	246179	50.0000	43.194
	40 1,2-Dichloroethane	62	4.739	4.739	(0.957)	351267	50.0000	44.218
	41 Benzene	78	4.739	4.739	(0.957)	945726	50.0000	42.887
	42 Trichloroethene	130	5.260	5.260	(1.062)	195218	50.0000	43.479
	43 1,2-Dichloropropane	63	5.437	5.437	(1.098)	233390	50.0000	43.191
	44 1,4-Dioxane	88	5.544	5.544	(1.119)	110147	2500.00	2808.0(A)
	45 Dibromomethane	93	5.532	5.532	(1.117)	137580	50.0000	44.466
	46 Bromodichloromethane	83	5.662	5.662	(1.143)	307351	50.0000	46.327
	47 2-Chloroethyl vinyl ether	63	5.898	5.898	(1.191)	324592	100.000	102.52
	48 cis-1,3-Dichloropropene	75	6.040	6.040	(1.220)	335439	50.0000	44.389
	49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	439442	100.000	90.232
	50 Toluene	91	6.336	6.336	(0.836)	955240	50.0000	46.331
	51 trans-1,3-Dichloropropene	75	6.514	6.514	(0.859)	306791	50.0000	47.284
	52 Ethyl Methacrylate	69	6.585	6.585	(0.869)	255781	50.0000	42.979
	53 1,1,2-Trichloroethane	97	6.679	6.679	(0.881)	202256	50.0000	45.851
	54 1,3-Dichloropropane	76	6.833	6.833	(0.902)	362767	50.0000	47.118
	55 Tetrachloroethene	164	6.833	6.833	(0.902)	125716	50.0000	44.323
	56 2-Hexanone	43	6.892	6.892	(0.909)	320018	100.000	84.388
	57 Dibromochloromethane	129	7.034	7.034	(0.928)	188272	50.0000	52.347
	58 1,2-Dibromoethane	107	7.141	7.141	(0.942)	185629	50.0000	47.750
	59 Chlorobenzene	112	7.602	7.602	(1.003)	562199	50.0000	45.324
	60 1,1,1,2-Tetrachloroethane	131	7.673	7.673	(1.012)	206377	50.0000	52.296
	61 Ethylbenzene	106	7.697	7.697	(1.016)	275883	50.0000	41.682
	62 m + p-Xylene	106	7.804	7.804	(1.030)	702915	100.000	82.960
M	63 Xylenes (total)	106				1035978	150.000	123.76
	64 Xylene-o	106	8.182	8.182	(1.080)	333063	50.0000	40.798
	65 Styrene	104	8.182	8.182	(1.080)	609772	50.0000	41.521

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79360.D
Report Date: 31-Aug-2004 09:54

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	(1.103)	106679	50.0000	58.896
67 Isopropylbenzene	105	8.525	8.525	(1.125)	729581	50.0000	44.745
68 1,1,2,2-Tetrachloroethane	83	8.786	8.786	(0.897)	277906	50.0000	51.032
69 1,4-Dichloro-2-butene	53	8.845	8.845	(0.903)	93318	50.0000	52.954
70 1,2,3-Trichloropropane	110	8.845	8.845	(0.903)	80607	50.0000	48.523
71 Bromobenzene	156	8.821	8.821	(0.901)	195952	50.0000	51.012
72 n-Propylbenzene	120	8.916	8.916	(0.911)	177723	50.0000	43.929
73 2-Chlorotoluene	126	9.011	9.011	(0.920)	179702	50.0000	51.368
74 1,3,5-Trimethylbenzene	105	9.093	9.093	(0.929)	567471	50.0000	43.704
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	190737	50.0000	50.530
76 tert-Butylbenzene	119	9.413	9.413	(0.961)	404942	50.0000	42.457
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	613094	50.0000	44.616
78 sec-Butylbenzene	105	9.626	9.626	(0.983)	639081	50.0000	42.945
79 4-Isopropyltoluene	119	9.768	9.768	(0.998)	507880	50.0000	42.695
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	333988	50.0000	47.317(H)
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	353563	50.0000	46.786
82 n-Butylbenzene	91	10.170	10.170	(1.039)	489668	50.0000	42.510
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	339604	50.0000	47.566
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	53384	50.0000	74.409
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	136658	50.0000	45.493
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	50042	50.0000	43.383
87 Naphthalene	128	12.016	12.016	(1.227)	465042	50.0000	44.148
88 1,2,3-Trichlorobenzene	180	12.265	12.265	(1.253)	132738	50.0000	45.667
98 Cyclohexane	56	4.502	4.502	(0.909)	308816	50.0000	39.328
143 Methyl Acetate	43	2.940	2.940	(0.594)	357755	100.000	99.748
144 Methylcyclohexane	83	5.437	5.437	(1.098)	216543	50.0000	35.710
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	154700	50.0000	44.366

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.D/UX79359.D
Report Date: 08/31/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX79359.D
Analysis Type: WATER

Injection Date: 30-AUG-2004 08:17
Lab Sample ID: 50NG-A9CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
53 3-Chloropropene	50.0000	53.2051	6.4	50.0	
54 2-Chloro-1,3-butadiene	50.0000	41.1139	17.8	50.0	
55 Propionitrile	100.0000	70.2539	29.7	50.0	
56 Methacrylonitrile	50.0000	34.7024	30.6	50.0	
57 Isobutanol	1000.0000	666.8855	33.3	50.0	
58 Methyl Methacrylate	50.0000	33.5711	32.9	50.0	
73 n-Butanol	1000.0000	511.3603	48.9	50.0	
74 Ethyl Acetate	100.0000	72.9113	27.1	50.0	
75 Cyclohexanone	500.0000	105.4657	78.9	50.0	<-
76 Ethyl Ether	50.0000	41.8696	16.3	50.0	
85 Dichlorofluoromethane	50.0000	61.5453	23.1	50.0	
86 2-Nitropropane	100.0000	76.0895	23.9	50.0	
126 Isopropyl Ether	250.0000	215.8152	13.7	50.0	
130 Fluorobenzene	50.0000	50.0000	0.0	50.0	
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
146 2-Methylnaphthalene	100.0000	31.0569	68.9	50.0	<-

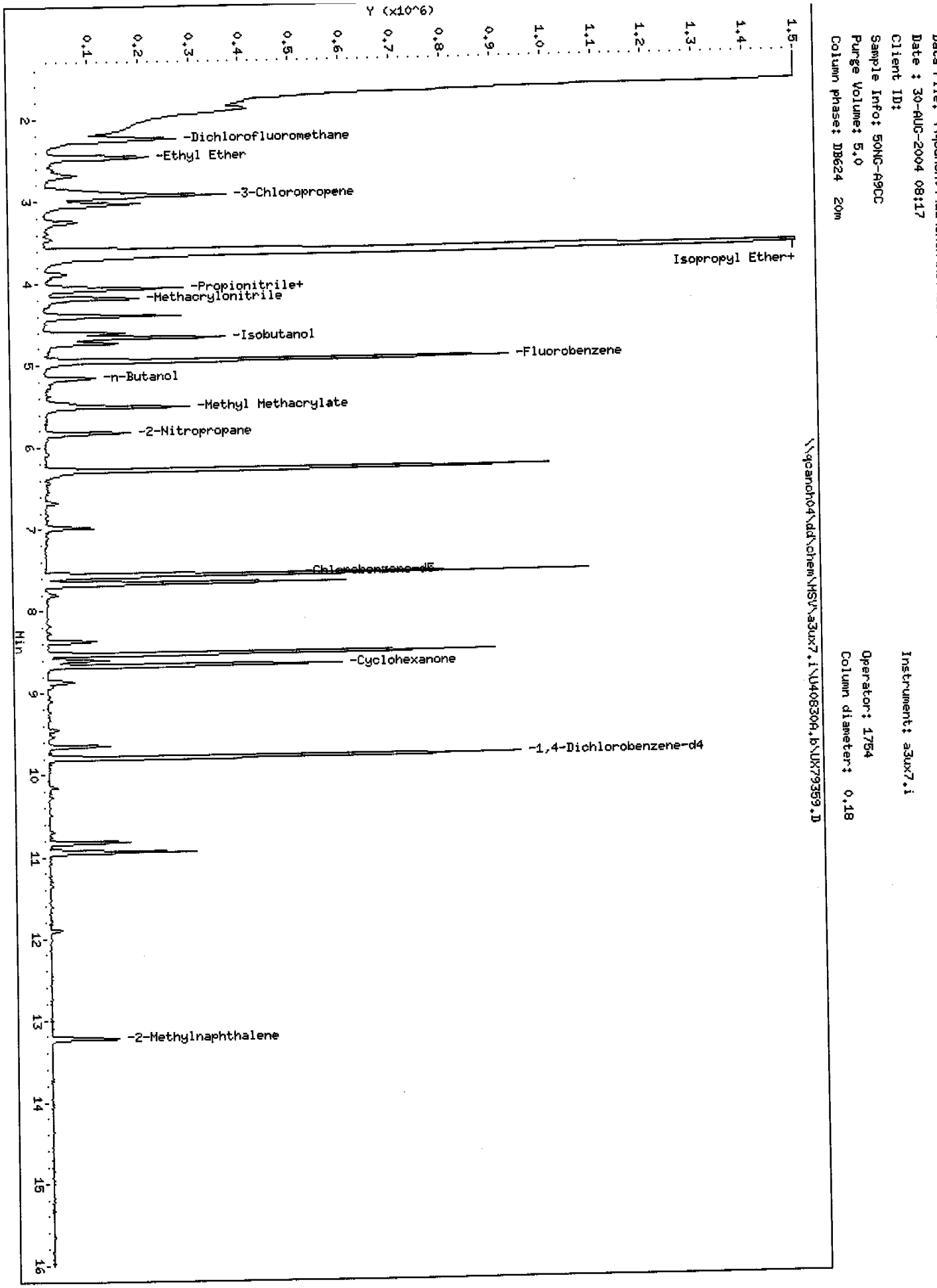
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79359.D
Report Date: 31-Aug-2004 09:53

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 30-AUG-2004 08:17
Lab File ID: UX79359.D Init. Cal. Date(s): 20-APR-2004 21-AUG-2004
Analysis Type: WATER Init. Cal. Times: 14:54 10:14
Lab Sample ID: 50NG-A9CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\N8260UX7-3.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
14 Dichlorofluoromethane	50.00000	61.54533	0.010	-23.1	50.0	
89 Ethyl Ether	0.24011	0.20106	0.010	-16.3	50.0	
91 3-Chloropropene	0.14759	0.15705	0.010	6.4	50.0	
92 Isopropyl Ether	0.23826	0.20568	0.010	-13.7	50.0	
93 2-Chloro-1,3-butadiene	0.46000	0.37825	0.010	-17.8	50.0	
94 Propionitrile	0.04491	0.03155	0.010	-29.7	50.0	
95 Ethyl Acetate	0.28472	0.20759	0.010	-27.1	50.0	
96 Methacrylonitrile	0.18831	0.13069	0.010	-30.6	50.0	
97 Isobutanol	0.01336	0.00891	0.010	-33.3	50.0	<-
99 n-Butanol	0.01262	0.00645	0.010	-48.9	50.0	<-
100 Methyl Methacrylate	0.27282	0.18318	0.010	-32.9	50.0	
101 2-Nitropropane	0.08400	0.06392	0.010	-23.9	50.0	
103 Cyclohexanone	0.12862	0.02713	0.010	-78.9	50.0	<-
146 2-Methylnaphthalene	100	31.05688	0.010	68.9	50.0	<-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Date : 30-AUG-2004 08:17
Client ID:
Sample Info: 50NG-A9CC
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
\\qcanch04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79359.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\U40830A.b\UX79359.D
Report Date: 31-Aug-2004 09:53

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79359.D
Lab Smp Id: 50NG-A9CC
Inj Date : 30-AUG-2004 08:17
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NG-A9CC
Misc Info : U40830A,N8260UX7-3,3-IX.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\N8260UX7-3.m
Meth Date : 31-Aug-2004 09:53 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.951	4.951	(1.000)	961801	50.0000	
* 2 Chlorobenzene-d5	117	7.566	7.566	(1.000)	630840	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	241046	50.0000	
14 Dichlorofluoromethane	67	2.242	2.242	(0.453)	507389	50.0000	61.545
89 Ethyl Ether	59	2.466	2.466	(0.498)	193383	50.0000	41.870
91 3-Chloropropene	76	2.928	2.928	(0.591)	151049	50.0000	53.205
92 Isopropyl Ether	87	3.626	3.626	(0.732)	989109	250.000	215.82(A)
93 2-Chloro-1,3-butadiene	53	3.650	3.650	(0.737)	363801	50.0000	41.114
94 Propionitrile	54	4.052	4.052	(0.818)	60697	100.000	70.254
95 Ethyl Acetate	43	4.064	4.064	(0.821)	399325	100.000	72.911
96 Methacrylonitrile	41	4.182	4.182	(0.845)	125701	50.0000	34.702
97 Isobutanol	41	4.608	4.608	(0.609)	112444	1000.00	666.88(A)
99 n-Butanol	56	5.152	5.152	(0.681)	81437	1000.00	511.36(A)
100 Methyl Methacrylate	41	5.507	5.507	(1.112)	176181	50.0000	33.571
101 2-Nitropropane	41	5.827	5.827	(1.177)	122950	100.000	76.090
103 Cyclohexanone	55	8.596	8.596	(0.878)	65397	500.000	105.46
146 2-Methylnaphthalene	142	13.222	13.222	(1.350)	87038	100.000	31.057

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79359.D
Report Date: 31-Aug-2004 09:53

QC Flag Legend

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

RAW QC DATA

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

Date : 15-JUL-2004 08:54

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

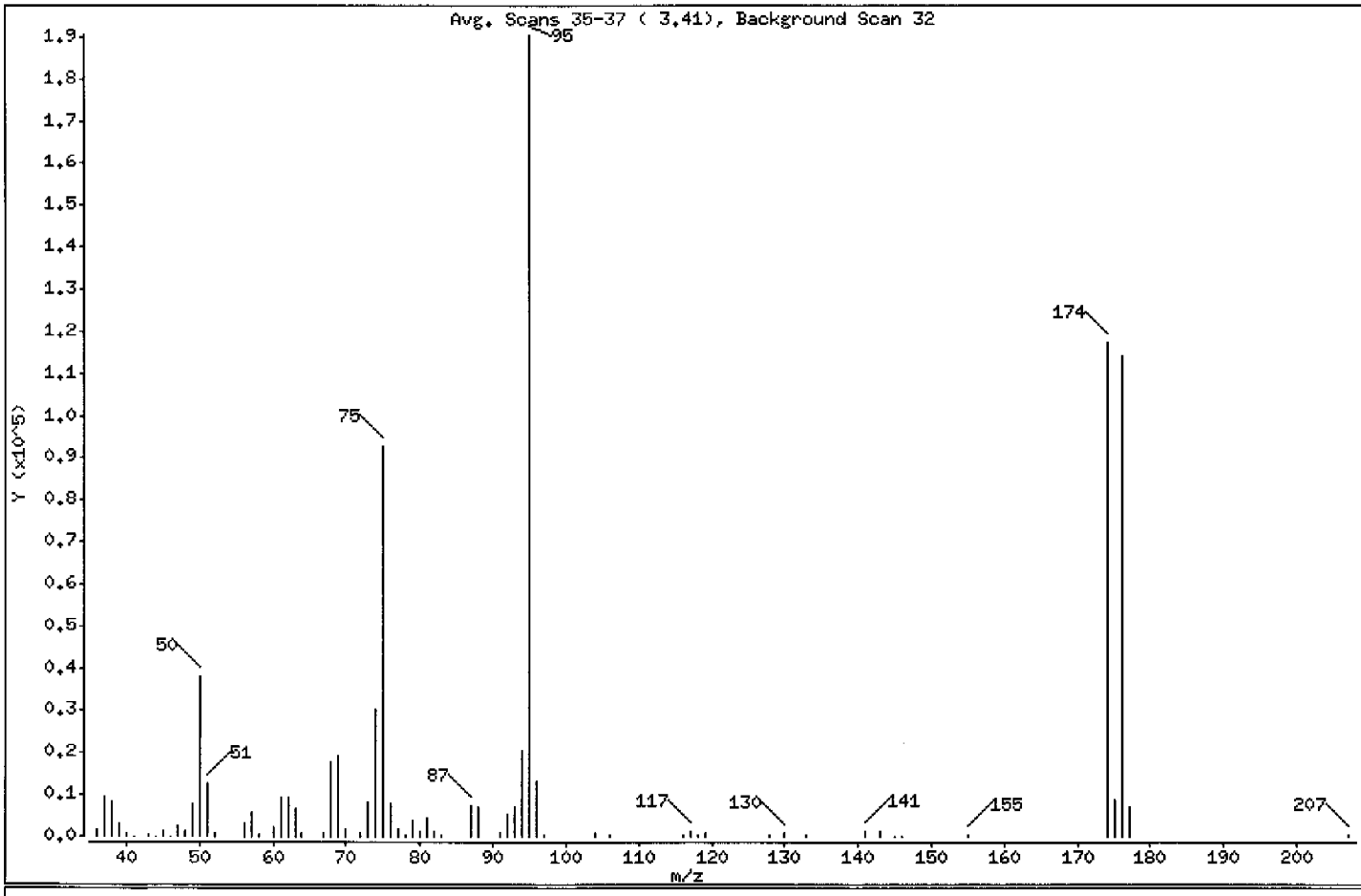
Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.03
75	30.00 - 60.00% of mass 95	48.84
96	5.00 - 9.00% of mass 95	6.84
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	61.62
175	5.00 - 9.00% of mass 174	4.55 (7.38)
176	95.00 - 101.00% of mass 174	60.05 (97.45)
177	5.00 - 9.00% of mass 176	3.76 (6.26)

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

Date : 15-JUL-2004 08:54

Client ID: 50NGBFB | Instrument: a3ux7.i

Sample Info:

Volume Injected (uL): 1.0 | Operator: 1754

Column phase: DB624 20m | Column diameter: 0.18

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

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1848	58.00	251	80.00	1410	119.00	780
37.00	9631	60.00	1990	81.00	4405	128.00	560
38.00	8142	61.00	9111	82.00	1125	130.00	770
39.00	3243	62.00	9081	83.00	580	133.00	230
40.00	824	63.00	6765	87.00	7439	141.00	1476
41.00	154	64.00	700	88.00	6984	143.00	1445
43.00	429	67.00	760	91.00	865	145.00	177
44.00	81	68.00	17872	92.00	5040	146.00	188
45.00	1440	69.00	19120	93.00	7151	155.00	425
46.00	190	70.00	1703	94.00	20728	174.00	117344
47.00	2606	72.00	899	95.00	190400	175.00	8657
48.00	1286	73.00	8258	96.00	13034	176.00	114344
49.00	7711	74.00	30264	97.00	552	177.00	7162
50.00	38136	75.00	93008	104.00	683	207.00	329
51.00	12821	76.00	7834	106.00	471		
52.00	706	77.00	1725	116.00	474		
56.00	2939	78.00	594	117.00	1122		
57.00	5572	79.00	4011	118.00	615		

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

Page 1

Date : 15-JUL-2004 08:54

Client ID: 50NGBFB

Instrument: a3ux7.i

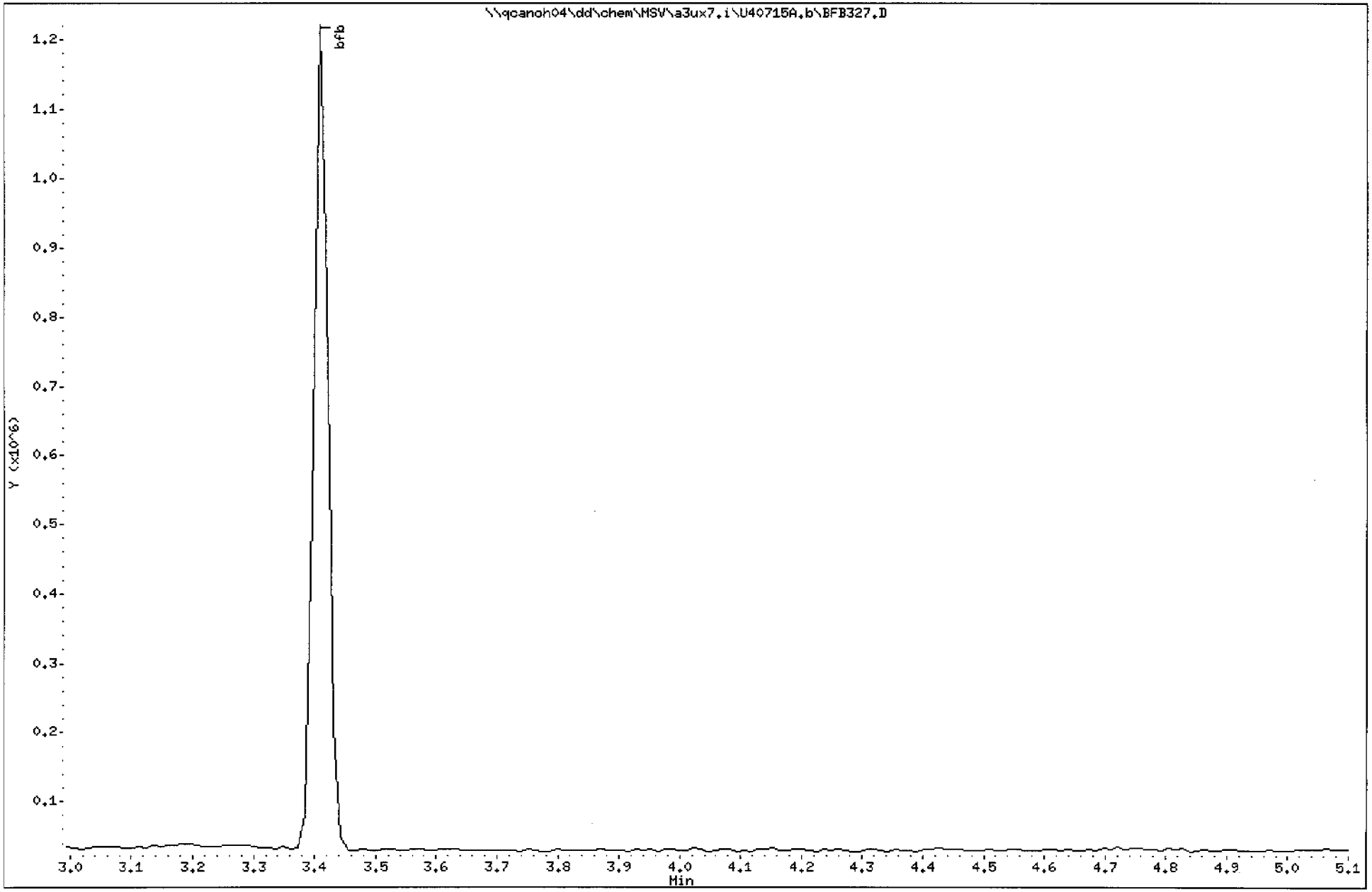
Sample Info:

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18



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

Date : 21-AUG-2004 07:56

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

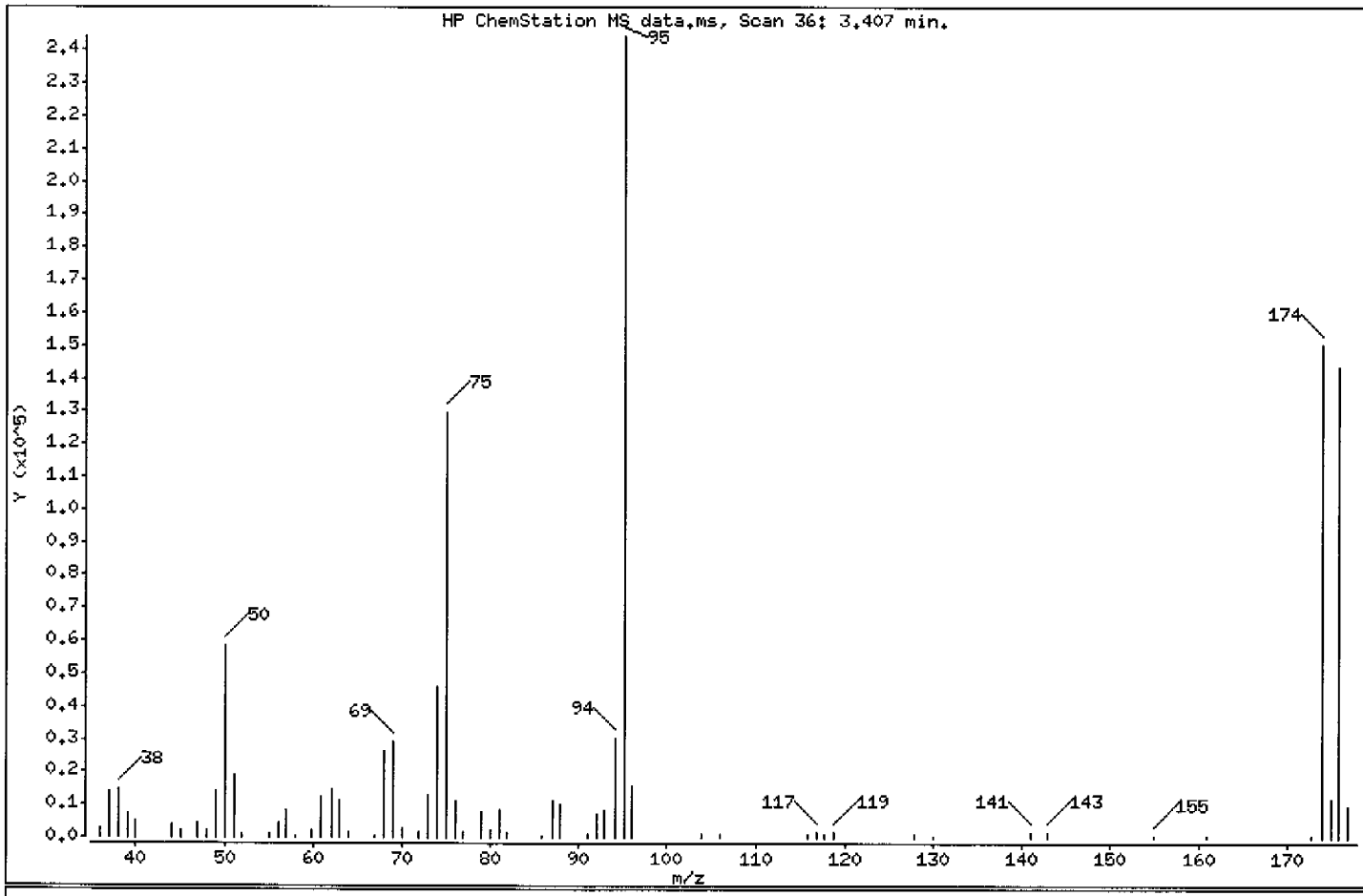
Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.87
75	30.00 - 60.00% of mass 95	53.21
96	5.00 - 9.00% of mass 95	6.32
173	Less than 2.00% of mass 174	0.30 (0.49)
174	50.00 - 100.00% of mass 95	61.57
175	5.00 - 9.00% of mass 174	4.86 (7.89)
176	95.00 - 101.00% of mass 174	58.90 (95.66)
177	5.00 - 9.00% of mass 176	3.79 (6.44)

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

Date : 21-AUG-2004 07:56

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

Data File: BFB380.D
Spectrum: HP ChemStation MS data.ms, Scan 36: 3.407 min.
Location of Maximum: 95.05
Number of points: 62

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

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

Date : 21-AUG-2004 07:56

Client ID: 50NGBFB

Instrument: a3ux7.i

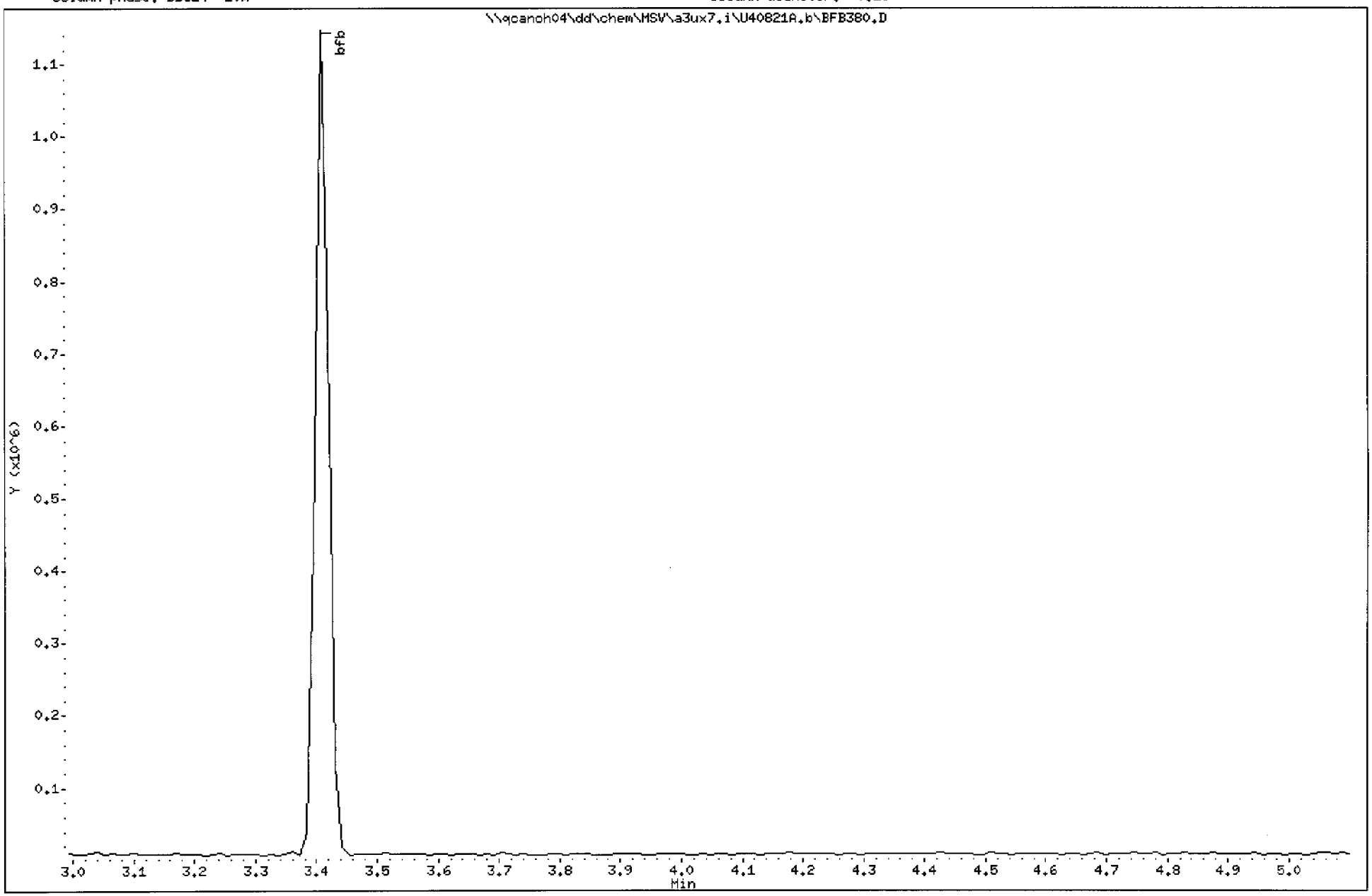
Sample Info:

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18



Data File: \\qcanch04\dd\chem\MSV\a3ux7.i\U40827B.b\BFB390.D

Date : 27-AUG-2004 19:43

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info: BFB390

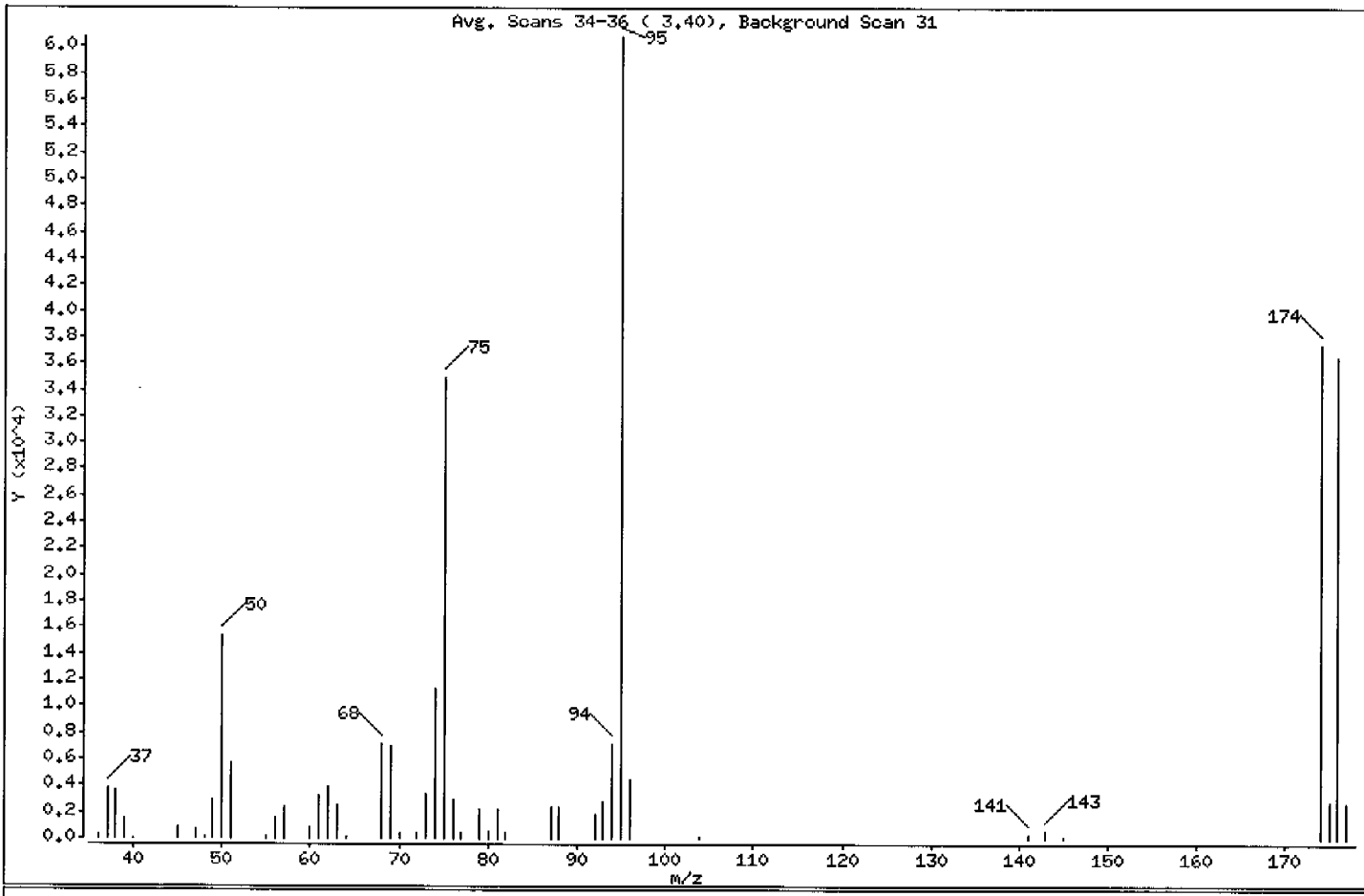
Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	25.22
75	30.00 - 60.00% of mass 95	57.44
96	5.00 - 9.00% of mass 95	7.37
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	61.64
175	5.00 - 9.00% of mass 174	4.59 (7.45)
176	95.00 - 101.00% of mass 174	60.05 (97.41)
177	5.00 - 9.00% of mass 176	4.27 (7.10)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\BFB390.D

Date : 27-AUG-2004 19:43

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info: BFB390

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

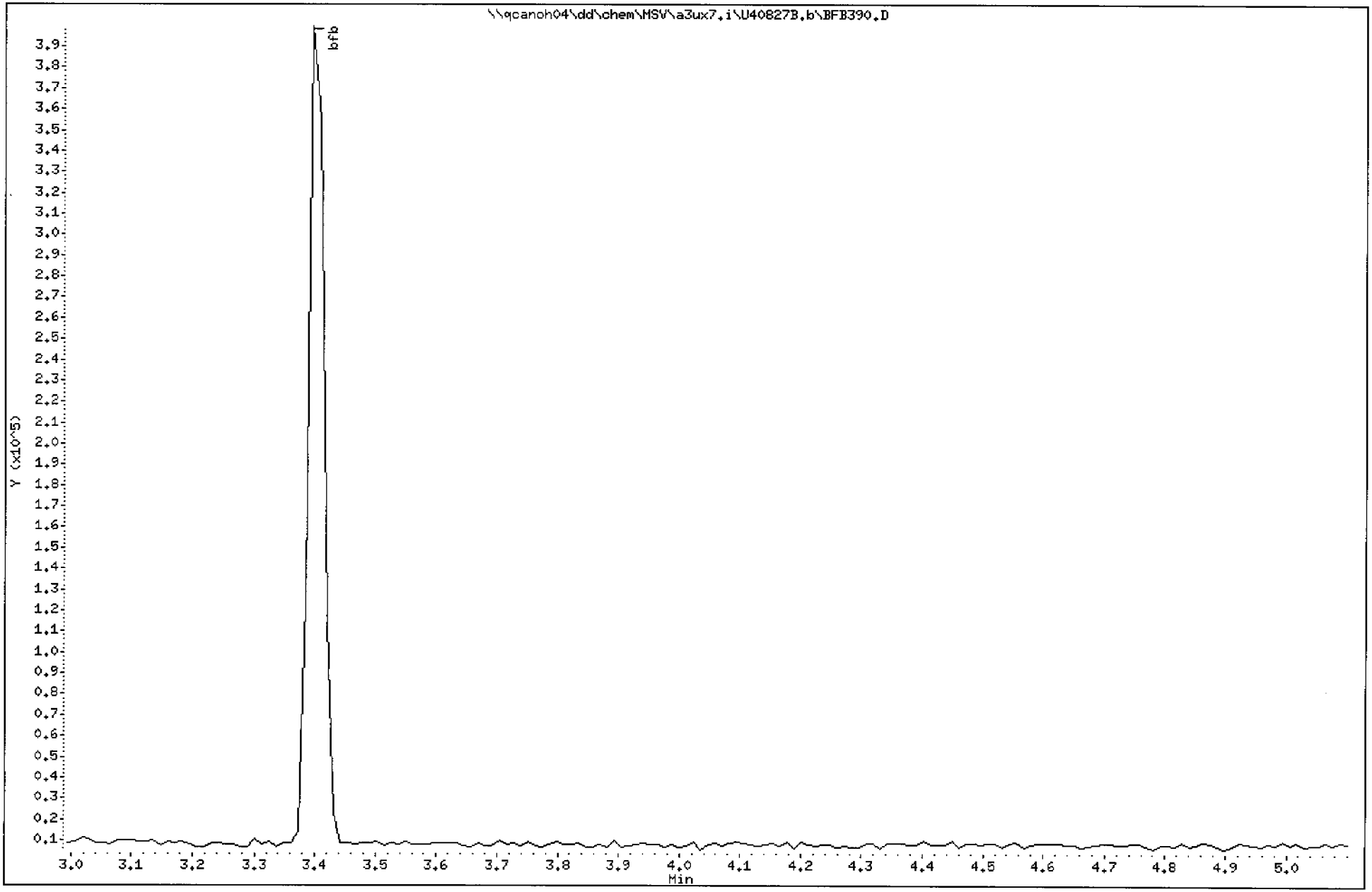
Column diameter: 0.18

Data File: BFB390.D
Spectrum: Avg. Scans 34-36 (3.40), Background Scan 31
Location of Maximum: 95.00
Number of points: 47

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	308	56.00	1543	74.00	11311	94.00	7091
37.00	3703	57.00	2315	75.00	34896	95.00	60744
38.00	3669	60.00	889	76.00	2886	96.00	4479
39.00	1577	61.00	3190	77.00	366	104.00	191
40.00	16	62.00	3900	79.00	2225	141.00	264
45.00	864	63.00	2528	80.00	585	143.00	589
47.00	684	64.00	185	81.00	2174	145.00	182
48.00	187	68.00	7120	82.00	395	174.00	37440
49.00	2989	69.00	6919	87.00	2443	175.00	2788
50.00	15318	70.00	387	88.00	2436	176.00	36472
51.00	5669	72.00	414	92.00	1861	177.00	2591
55.00	167	73.00	3408	93.00	2820		

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\BFB390.D
Date : 27-AUG-2004 19:43
Client ID: 50NGBFB
Sample Info: BFB390
Volume Injected (uL): 1.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\BFB391.D

Date : 30-AUG-2004 07:53

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

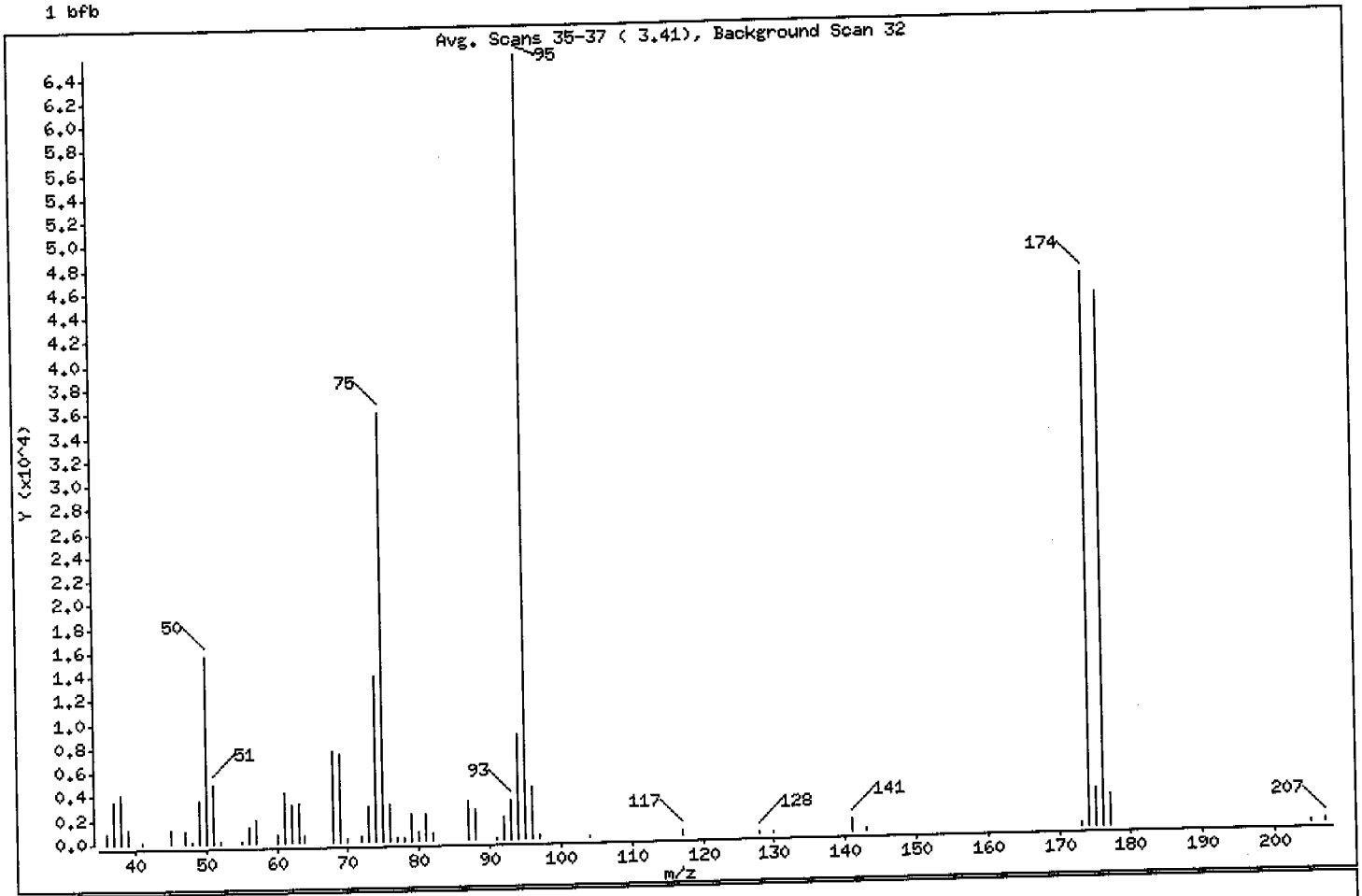
Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.93
75	30.00 - 60.00% of mass 95	54.75
96	5.00 - 9.00% of mass 95	6.60
173	Less than 2.00% of mass 174	0.36 (0.51)
174	50.00 - 100.00% of mass 95	70.54
175	5.00 - 9.00% of mass 174	4.92 (6.98)
176	95.00 - 101.00% of mass 174	68.03 (96.43)
177	5.00 - 9.00% of mass 176	4.07 (5.98)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\BFB391.D

Date : 30-AUG-2004 07:53

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: BFB391.D

Spectrum: Avg. Scans 35-37 (3.41), Background Scan 32

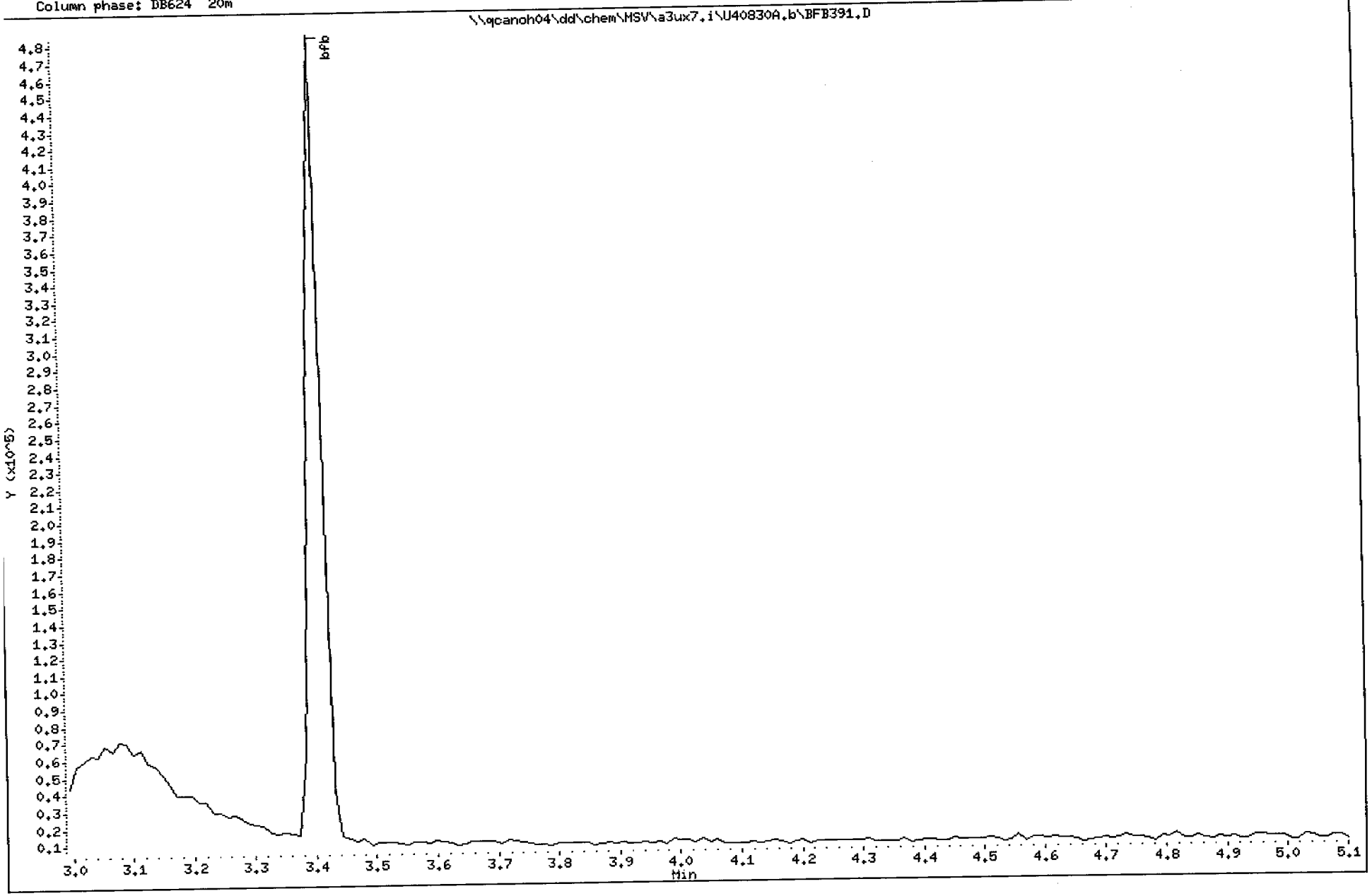
Location of Maximum: 95.00

Number of points: 56

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	969	60.00	731	79.00	2287	128.00	207
37.00	3658	61.00	4200	80.00	810	130.00	191
38.00	4277	62.00	3161	81.00	2283	141.00	998
39.00	1163	63.00	3340	82.00	542	143.00	329
41.00	167	64.00	587	87.00	3280	173.00	235
45.00	1156	68.00	7682	88.00	2583	174.00	46280
47.00	1055	69.00	7348	91.00	196	175.00	3230
48.00	186	70.00	375	92.00	1972	176.00	44624
49.00	3652	72.00	413	93.00	3365	177.00	2670
50.00	15697	73.00	3022	94.00	8816	205.00	172
51.00	5020	74.00	13818	95.00	65600	207.00	255
52.00	176	75.00	35920	96.00	4330		
55.00	189	76.00	3206	97.00	354		
56.00	1419	77.00	256	104.00	220		
57.00	2021	78.00	250	117.00	488		

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\BFB391.D
Date : 30-AUG-2004 07:53
Client ID: 50NGBFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20m

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



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4H19207 **Work Order #...:** GN7MP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H300000-253 GN7MP1AD-LCSD
Prep Date.....: 08/27/04 **Analysis Date..:** 08/27/04
Prep Batch #...: 4243253
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	50	(22 - 200)			SW846 8260B
	47	(22 - 200)	6.3	(0-95)	SW846 8260B
Benzene	**96**	**(80 - 116)**			**SW846 8260B**
	94	**(80 - 116)**	**1.7**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	101	(87 - 130)			SW846 8260B
	100	(87 - 130)	1.2	(0-30)	SW846 8260B
Bromoform	122	(76 - 150)			SW846 8260B
	123	(76 - 150)	1.2	(0-30)	SW846 8260B
Bromomethane	69	(64 - 129)			SW846 8260B
	69	(64 - 129)	1.1	(0-30)	SW846 8260B
2-Butanone	66	(28 - 237)			SW846 8260B
	64	(28 - 237)	2.5	(0-65)	SW846 8260B
Carbon disulfide	88	(73 - 139)			SW846 8260B
	86	(73 - 139)	2.3	(0-30)	SW846 8260B
Carbon tetrachloride	98	(75 - 149)			SW846 8260B
	97	(75 - 149)	1.1	(0-30)	SW846 8260B
Chlorobenzene	**99**	**(76 - 117)**			**SW846 8260B**
	98	**(76 - 117)**	**1.0**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	112	(81 - 138)			SW846 8260B
	111	(81 - 138)	0.42	(0-30)	SW846 8260B
Chloroethane	75	(66 - 126)			SW846 8260B
	72	(66 - 126)	2.8	(0-30)	SW846 8260B
Chloroform	97	(84 - 128)			SW846 8260B
	94	(84 - 128)	2.7	(0-30)	SW846 8260B
Chloromethane	70	(48 - 123)			SW846 8260B
	67	(48 - 123)	4.2	(0-30)	SW846 8260B
1,1-Dichloroethane	98	(86 - 123)			SW846 8260B
	95	(86 - 123)	2.8	(0-30)	SW846 8260B
1,2-Dichloroethane	97	(79 - 136)			SW846 8260B
	96	(79 - 136)	1.0	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	96	(85 - 113)			SW846 8260B
	95	(85 - 113)	1.2	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	100	(79 - 120)			SW846 8260B
	96	(79 - 120)	3.4	(0-30)	SW846 8260B
1,1-Dichloroethene	**97**	**(63 - 130)**			**SW846 8260B**
	98	**(63 - 130)**	**0.56**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	98	(82 - 116)			SW846 8260B
	96	(82 - 116)	2.4	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4H19207 **Work Order #...:** GN7MP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H300000-253 GN7MP1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	97	(82 - 115)			SW846 8260B
	94	(82 - 115)	3.8	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	95	(84 - 130)			SW846 8260B
	95	(84 - 130)	0.80	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	97	(84 - 130)			SW846 8260B
	97	(84 - 130)	0.070	(0-30)	SW846 8260B
Ethylbenzene	92	(86 - 116)			SW846 8260B
	88	(86 - 116)	4.4	(0-30)	SW846 8260B
2-Hexanone	75	(35 - 200)			SW846 8260B
	73	(35 - 200)	3.4	(0-52)	SW846 8260B
Methylene chloride	90	(78 - 118)			SW846 8260B
	90	(78 - 118)	0.81	(0-30)	SW846 8260B
4-Methyl-2-pentanone	89	(78 - 141)			SW846 8260B
	85	(78 - 141)	4.2	(0-32)	SW846 8260B
Styrene	92	(85 - 117)			SW846 8260B
	90	(85 - 117)	2.5	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	113	(85 - 118)			SW846 8260B
	111	(85 - 118)	2.0	(0-30)	SW846 8260B
Tetrachloroethene	93	(88 - 113)			SW846 8260B
	99	(88 - 113)	6.6	(0-30)	SW846 8260B
Toluene	**103**	**(74 - 119)**			**SW846 8260B**
	103	**(74 - 119)**	**0.47**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	97	(78 - 140)			SW846 8260B
	96	(78 - 140)	0.67	(0-30)	SW846 8260B
1,1,2-Trichloroethane	96	(83 - 122)			SW846 8260B
	97	(83 - 122)	0.99	(0-30)	SW846 8260B
Trichloroethene	**93**	**(75 - 122)**			**SW846 8260B**
	94	**(75 - 122)**	**0.54**	**(0-20)**	**SW846 8260B**
Vinyl chloride	76	(61 - 120)			SW846 8260B
	70	(61 - 120)	8.4	(0-30)	SW846 8260B
Xylenes (total)	89	(87 - 116)			SW846 8260B
	91	(87 - 116)	1.6	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(73 - 122)
	92	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
	86	(61 - 128)
Toluene-d8	99	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	96	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4H19207 **Work Order #...:** GN7MP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H300000-253 GN7MP1AD-LCSD

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 4H19207 **Work Order #...:** GN7MP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H300000-253 GN7MP1AD-LCSD
Prep Date.....: 08/27/04 **Analysis Date..:** 08/27/04
Prep Batch #...: 4243253
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acetone	10	5.0	ug/L	50		SW846 8260B
	10	4.7	ug/L	47	6.3	SW846 8260B
Benzene	**10**	**9.6**	**ug/L**	**96**		**SW846 8260B**
	10	**9.4**	**ug/L**	**94**	**1.7**	**SW846 8260B**
Bromodichloromethane	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	100	1.2	SW846 8260B
Bromoform	10	12	ug/L	122		SW846 8260B
	10	12	ug/L	123	1.2	SW846 8260B
Bromomethane	10	6.9	ug/L	69		SW846 8260B
	10	6.9	ug/L	69	1.1	SW846 8260B
2-Butanone	10	6.6	ug/L	66		SW846 8260B
	10	6.4	ug/L	64	2.5	SW846 8260B
Carbon disulfide	10	8.8	ug/L	88		SW846 8260B
	10	8.6	ug/L	86	2.3	SW846 8260B
Carbon tetrachloride	10	9.8	ug/L	98		SW846 8260B
	10	9.7	ug/L	97	1.1	SW846 8260B
Chlorobenzene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**9.8**	**ug/L**	**98**	**1.0**	**SW846 8260B**
Dibromochloromethane	10	11	ug/L	112		SW846 8260B
	10	11	ug/L	111	0.42	SW846 8260B
Chloroethane	10	7.5	ug/L	75		SW846 8260B
	10	7.2	ug/L	72	2.8	SW846 8260B
Chloroform	10	9.7	ug/L	97		SW846 8260B
	10	9.4	ug/L	94	2.7	SW846 8260B
Chloromethane	10	7.0	ug/L	70		SW846 8260B
	10	6.7	ug/L	67	4.2	SW846 8260B
1,1-Dichloroethane	10	9.8	ug/L	98		SW846 8260B
	10	9.5	ug/L	95	2.8	SW846 8260B
1,2-Dichloroethane	10	9.7	ug/L	97		SW846 8260B
	10	9.6	ug/L	96	1.0	SW846 8260B
cis-1,2-Dichloroethene	10	9.6	ug/L	96		SW846 8260B
	10	9.5	ug/L	95	1.2	SW846 8260B
trans-1,2-Dichloroethene	10	10	ug/L	100		SW846 8260B
	10	9.6	ug/L	96	3.4	SW846 8260B
1,1-Dichloroethene	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	10	**9.8**	**ug/L**	**98**	**0.56**	**SW846 8260B**
1,2-Dichloroethene (total)	20	20	ug/L	98		SW846 8260B
	20	19	ug/L	96	2.4	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 4H19207 **Work Order #...:** GN7MP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H300000-253 GN7MP1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dichloropropane	10	9.7	ug/L	97		SW846 8260B
	10	9.4	ug/L	94	3.8	SW846 8260B
cis-1,3-Dichloropropene	10	9.5	ug/L	95		SW846 8260B
	10	9.5	ug/L	95	0.80	SW846 8260B
trans-1,3-Dichloropropene	10	9.7	ug/L	97		SW846 8260B
	10	9.7	ug/L	97	0.070	SW846 8260B
Ethylbenzene	10	9.2	ug/L	92		SW846 8260B
	10	8.8	ug/L	88	4.4	SW846 8260B
2-Hexanone	10	7.5	ug/L	75		SW846 8260B
	10	7.3	ug/L	73	3.4	SW846 8260B
Methylene chloride	10	9.0	ug/L	90		SW846 8260B
	10	9.0	ug/L	90	0.81	SW846 8260B
4-Methyl-2-pentanone	10	8.9	ug/L	89		SW846 8260B
	10	8.5	ug/L	85	4.2	SW846 8260B
Styrene	10	9.2	ug/L	92		SW846 8260B
	10	9.0	ug/L	90	2.5	SW846 8260B
1,1,2,2-Tetrachloroethane	10	11	ug/L	113		SW846 8260B
	10	11	ug/L	111	2.0	SW846 8260B
Tetrachloroethene	10	9.3	ug/L	93		SW846 8260B
	10	9.9	ug/L	99	6.6	SW846 8260B
Toluene	**10**	**10**	**ug/L**	**103**		**SW846 8260B**
	10	**10**	**ug/L**	**103**	**0.47**	**SW846 8260B**
1,1,1-Trichloroethane	10	9.7	ug/L	97		SW846 8260B
	10	9.6	ug/L	96	0.67	SW846 8260B
1,1,2-Trichloroethane	10	9.6	ug/L	96		SW846 8260B
	10	9.7	ug/L	97	0.99	SW846 8260B
Trichloroethene	**10**	**9.3**	**ug/L**	**93**		**SW846 8260B**
	10	**9.4**	**ug/L**	**94**	**0.54**	**SW846 8260B**
Vinyl chloride	10	7.6	ug/L	76		SW846 8260B
	10	7.0	ug/L	70	8.4	SW846 8260B
Xylenes (total)	30	27	ug/L	89		SW846 8260B
	30	27	ug/L	91	1.6	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(73 - 122)
	92	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
	86	(61 - 128)
Toluene-d8	99	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)
	96	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

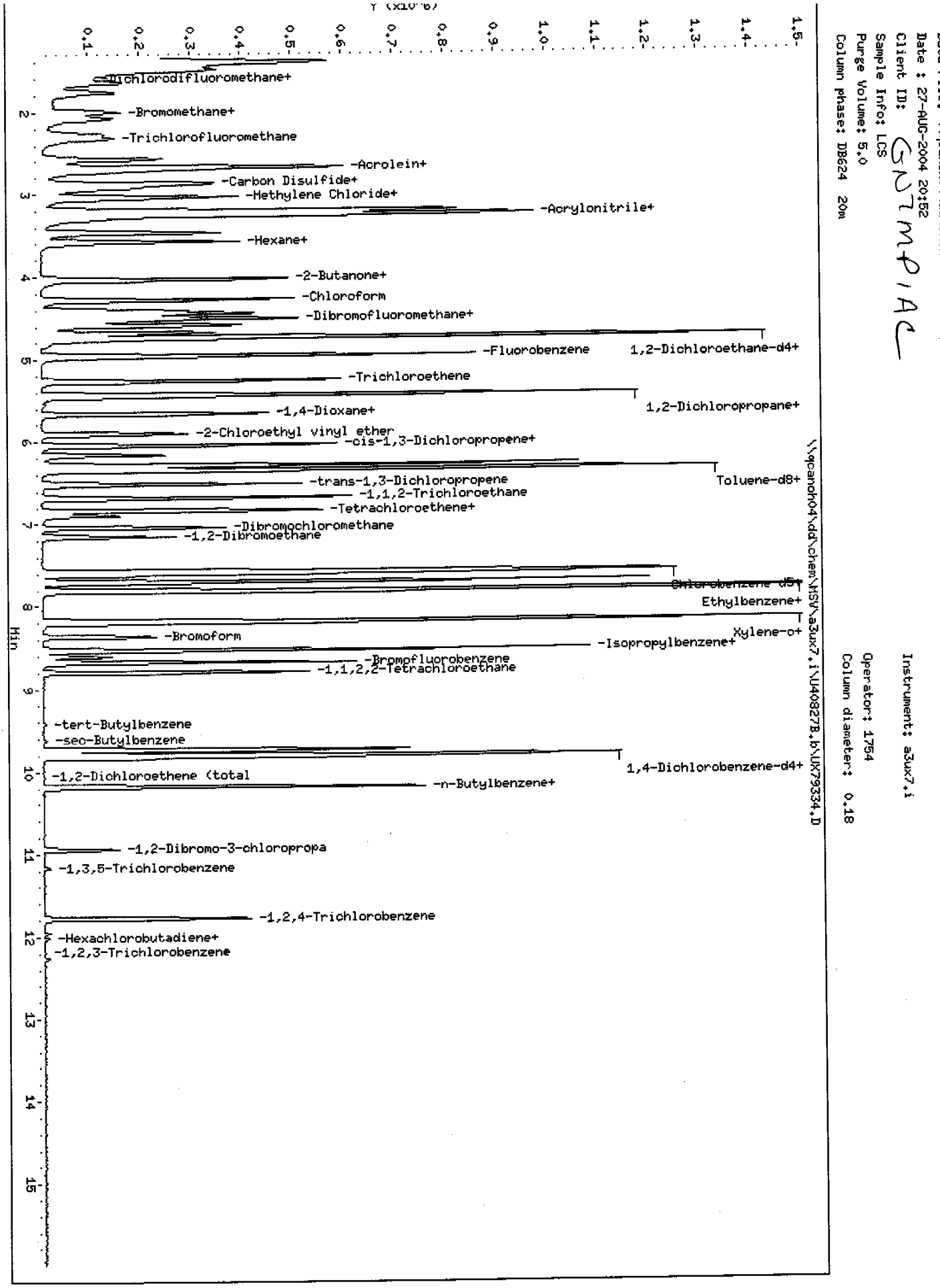
GC/MS Volatiles

Client Lot #...: 4H19207 **Work Order #...:** GN7MP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H300000-253 GN7MP1AD-LCSD

NOTE(S):

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

Bold print denotes control parameters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Date : 27-AUG-2004 20:52
Client ID: GNTMP1AC
Sample Info: LCS
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
1,2-Dichloroethane-d4+
-Fluorobenzene
-Trichloroethene
1,2-Dichloropropane+
-1,4-Dioxane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene+
Toluene-d8+
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene+
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene+
Xylene-o+
-Bromoform
-Isopropylbenzene+
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-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
\\qcanch04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79334.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79334.D
Lab Smp Id: GN7MP1AC
Inj Date : 27-AUG-2004 20:52
Operator : 1754 Inst ID: a3ux7.i
Smp Info : LCS
Misc Info : U40827B,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 31-Aug-2004 14:02 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.955	4.952	(1.000)	921922	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.567	(1.000)	618436	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.792	(1.000)	243577	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.396	(0.888)	190332	46.3798	9.276
$ 5 1,2-Dichloroethane-d4	65	4.671	4.668	(0.943)	292096	47.5447	9.509
$ 6 Toluene-d8	98	6.280	6.277	(0.830)	786844	49.3616	9.872
$ 7 Bromofluorobenzene	95	8.671	8.668	(1.145)	245944	48.3878	9.678
8 Dichlorodifluoromethane	85	1.595	1.592	(0.322)	140724	28.8238	5.765
9 Chloromethane	50	1.642	1.651	(0.331)	275248	34.8009	6.960
10 Vinyl Chloride	62	1.748	1.757	(0.353)	290881	38.1981	7.640
11 Bromomethane	94	1.997	1.994	(0.403)	190386	34.7431	6.949
12 Chloroethane	64	2.080	2.077	(0.420)	211246	37.2641	7.453
13 Trichlorofluoromethane	101	2.293	2.313	(0.463)	371539	49.0000	9.800
15 Acrolein	56	2.565	2.574	(0.518)	386152	432.809	86.562
16 Acetone	43	2.683	2.680	(0.542)	78804	25.2430	5.049
17 1,1-Dichloroethene	96	2.671	2.668	(0.539)	219715	48.6084	9.722
18 Freon-113	151	2.683	2.680	(0.542)	151453	54.8875	10.978
19 Iodomethane	142	Compound Not Detected.					

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Report Date: 31-Aug-2004 14:05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	20 Carbon Disulfide	76	2.861	2.858	(0.577)	798789	44.0350	8.807
	21 Methylene Chloride	84	3.026	3.035	(0.611)	273482	44.8374	8.967
	22 Acetonitrile	41	2.896	2.893	(0.585)	286301	464.066	92.813
	23 Acrylonitrile	53	3.204	3.201	(0.647)	1004898	492.530	98.506
	24 Methyl tert-butyl ether	73	3.251	3.248	(0.656)	602823	49.9364	9.987
	25 trans-1,2-Dichloroethene	96	3.251	3.248	(0.656)	261009	49.8713	9.974
	26 Hexane	86	3.464	3.461	(0.699)	35820	40.6371	8.127
	27 Vinyl acetate	43	3.571	3.591	(0.721)	2697	2.21068	0.4421
	28 1,1-Dichloroethane	63	3.571	3.568	(0.721)	465550	49.0468	9.809
	29 tert-Butyl Alcohol	59	3.109	3.094	(0.628)	7280	54.7454	10.949
	30 2-Butanone	43	4.020	4.017	(0.811)	92150	32.8014	6.560
M	31 1,2-Dichloroethene (total)	96				507868	97.8190	19.564
	32 cis-1,2-dichloroethene	96	4.032	4.029	(0.814)	246859	47.9477	9.590
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.269	4.266	(0.862)	443152	48.4942	9.699
	36 Tetrahydrofuran	42	4.020	4.254	(0.811)	8894	6.97967	1.396
	37 1,1,1-Trichloroethane	97	4.446	4.443	(0.897)	353512	48.2864	9.657
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.576	4.585	(0.924)	276441	48.8389	9.768
	40 1,2-Dichloroethane	62	4.730	4.727	(0.955)	384397	48.7227	9.744
	41 Benzene	78	4.730	4.739	(0.955)	1048054	47.8552	9.571
	42 Trichloroethene	130	5.251	5.260	(1.060)	207322	46.4934	9.299
	43 1,2-Dichloropropane	63	5.428	5.437	(1.096)	260899	48.6147	9.723
	44 1,4-Dioxane	88	5.547	5.532	(1.119)	6786	271.625	54.325(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.653	5.662	(1.141)	333209	50.5711	10.114
	47 2-Chloroethyl vinyl ether	63	5.902	5.899	(1.191)	139254	48.3543	9.671
	48 cis-1,3-Dichloropropene	75	6.032	6.041	(1.217)	357863	47.6837	9.537
	49 4-Methyl-2-pentanone	43	6.162	6.159	(1.244)	197282	44.4220	8.884
	50 Toluene	91	6.340	6.337	(0.837)	1071773	51.6135	10.323
	51 trans-1,3-Dichloropropene	75	6.517	6.514	(0.861)	317091	48.5244	9.705
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.671	6.680	(0.881)	212859	47.9116	9.582
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.837	6.834	(0.903)	132529	46.3936	9.279
	56 2-Hexanone	43	6.884	6.893	(0.909)	127460	37.6779	7.536
	57 Dibromochloromethane	129	7.038	7.035	(0.930)	202423	55.8820	11.176
	58 1,2-Dibromoethane	107	7.144	7.141	(0.944)	199056	50.8396	10.168
	59 Chlorobenzene	112	7.594	7.603	(1.003)	616553	49.3531	9.871
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.700	7.697	(1.017)	310257	46.1757	9.235
	62 m + p-Xylene	106	7.807	7.804	(1.031)	775352	90.3760	18.075
M	63 Xylenes (total)	106				1134674	133.871	26.774
	64 Xylene-o	106	8.174	8.182	(1.080)	359322	43.4951	8.699
	65 Styrene	104	8.186	8.182	(1.081)	684478	45.8987	9.180
	66 Bromoform	173	8.363	8.360	(1.105)	111398	60.8333	12.167

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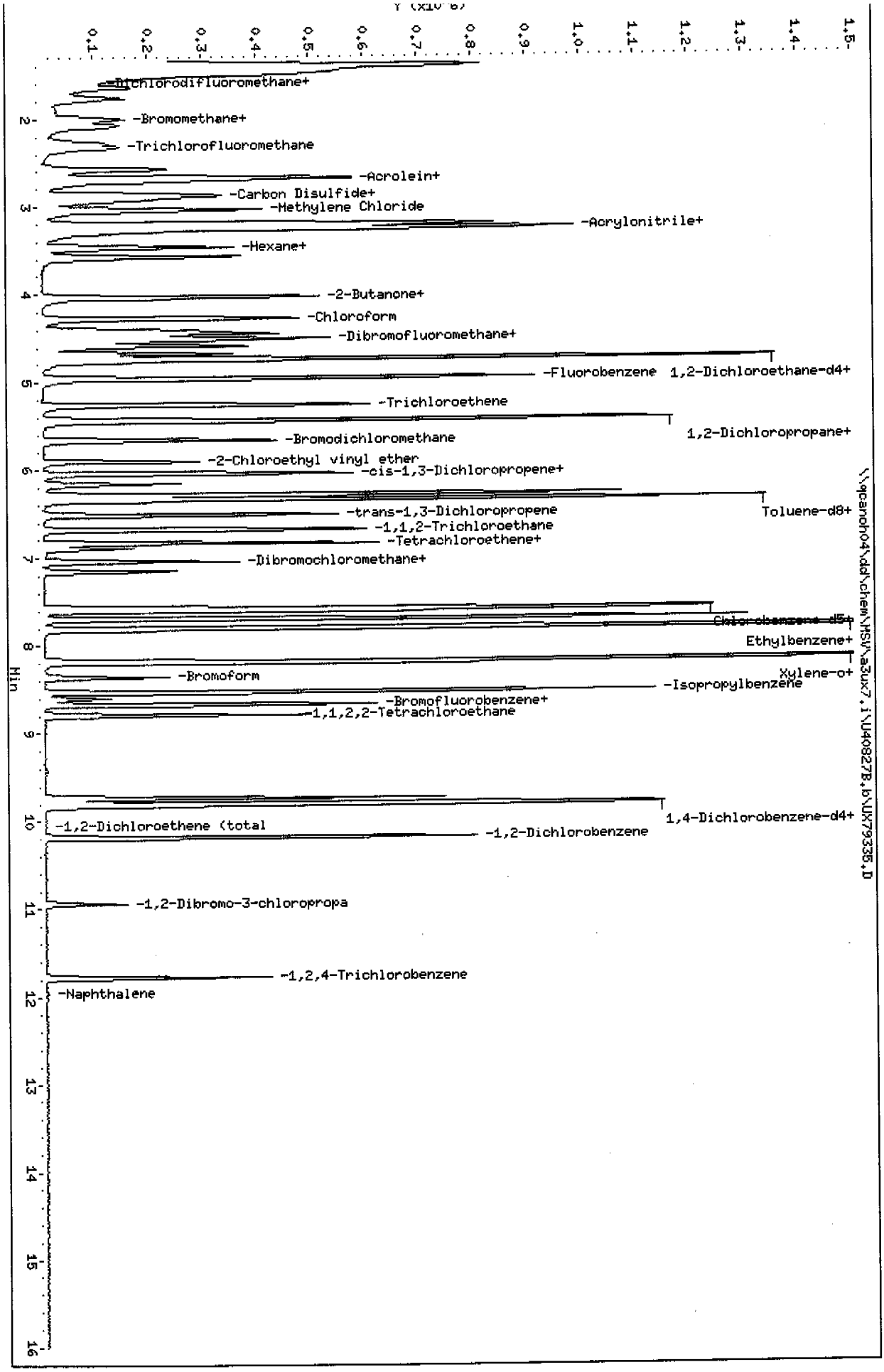
Report Date: 31-Aug-2004 14:05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
67 Isopropylbenzene	105	8.529	8.526	(1.127)	769786	46.6934	9.339
68 1,1,2,2-Tetrachloroethane	83	8.789	8.798	(0.897)	291981	56.4993	11.300
69 1,4-Dichloro-2-butene	53	8.600	8.845	(0.878)	3836	2.29381	0.4588
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	9.404	9.413	(0.960)	3089	4.16839	0.8337
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	9.617	9.626	(0.982)	4921	4.18614	0.8372
79 4-Isopropyltoluene	119	9.759	9.768	(0.996)	6221	4.70436	0.9409
80 1,3-Dichlorobenzene	146	9.736	9.733	(0.994)	320623	47.8658	9.573
81 1,4-Dichlorobenzene	146	9.818	9.815	(1.002)	367188	51.2014	10.240
82 n-Butylbenzene	91	10.162	10.170	(1.037)	9766	4.48033	0.8961
83 1,2-Dichlorobenzene	146	10.185	10.182	(1.040)	340645	50.2772	10.055
84 1,2-Dibromo-3-chloropropane	157	10.943	10.940	(1.117)	39952	58.6811	11.736
85 1,2,4-Trichlorobenzene	180	11.783	11.780	(1.203)	131230	46.0356	9.207
86 Hexachlorobutadiene	225	11.960	11.957	(1.221)	2889	2.63925	0.5278
87 Naphthalene	128	12.019	12.016	(1.227)	8069	5.70267	1.140
88 1,2,3-Trichlorobenzene	180	12.256	12.265	(1.251)	4686	4.95070	0.9901
98 Cyclohexane	56	4.506	4.502	(0.909)	319269	40.7976	8.160
143 Methyl Acetate	43	2.932	2.929	(0.592)	166935	46.8655	9.373
144 Methylcyclohexane	83	5.440	5.437	(1.098)	251455	41.1116	8.222
141 1,3,5-Trichlorobenzene	180	11.167	11.164	(1.140)	4656	1.40708	0.2814

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 27-AUG-2004 21:16
Client ID:
Sample Info: LCSD
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Carbon Disulfide+
-Methylene Chloride
-Acrylonitrile+
-Hexane+
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Fluorobenzene
1,2-Dichloroethane-d4+
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene+
-trans-1,3-Dichloropropene
Toluene-d8+
-1,1,2-Trichloroethane
-Tetrachloroethene+
-Dibromochloromethane+
Chlorobenzene-d5+
Ethylbenzene+
Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene+
-1,1,2,2-Tetrachloroethane
1,4-Dichlorobenzene-d4+
-1,2-Dichloroethene (total
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
\\qcanoh04\dd\chem\MSV\a3ux7.i\U408278.b\UX79335.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79335.D
Lab Smp Id: GN7MP1AD
Inj Date : 27-AUG-2004 21:16
Operator : 1754 Inst ID: a3ux7.i
Smp Info : LCSD
Misc Info : U40827B,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 31-Aug-2004 14:02 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	931596	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	613561	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	244394	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	191073	46.0768	9.215
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	267702	43.1216	8.624
$ 6 Toluene-d8	98	6.278	6.277	(0.830)	769276	48.6430	9.728
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	241314	47.8541	9.571
8 Dichlorodifluoromethane	85	1.592	1.592	(0.321)	151361	30.6805	6.136
9 Chloromethane	50	1.651	1.651	(0.333)	266717	33.3642	6.673
10 Vinyl Chloride	62	1.757	1.757	(0.355)	269947	35.1152	7.023
11 Bromomethane	94	1.994	1.994	(0.403)	190066	34.3708	6.874
12 Chloroethane	64	2.065	2.077	(0.417)	207176	36.2275	7.246
13 Trichlorofluoromethane	101	2.314	2.313	(0.467)	363420	47.4315	9.486
15 Acrolein	56	2.574	2.574	(0.520)	387134	429.404	85.881
16 Acetone	43	2.680	2.680	(0.541)	75781	23.7066	4.741
17 1,1-Dichloroethene	96	2.669	2.668	(0.539)	223277	48.8835	9.777
18 Freon-113	151	2.692	2.680	(0.544)	159658	57.2602	11.452
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanon04\dd\chem\MSV\a3ux7.1\040027D.D\ax7000.M
Report Date: 31-Aug-2004 14:06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.858	2.858	(0.577)	789138	43.0512	8.610
	21 Methylene Chloride	84	3.035	3.035	(0.613)	278417	45.2015	9.040
	22 Acetonitrile	41	2.893	2.893	(0.584)	317506	509.302	101.86
	23 Acrylonitrile	53	3.201	3.201	(0.646)	992198	481.255	96.251
	24 Methyl tert-butyl ether	73	3.248	3.248	(0.656)	595765	48.8393	9.768
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	254800	48.1793	9.636
	26 Hexane	86	3.461	3.461	(0.699)	38031	42.5399	8.508
	27 Vinyl acetate	43	3.580	3.591	(0.723)	1819	2.11260	0.4225
	28 1,1-Dichloroethane	63	3.568	3.568	(0.720)	457547	47.7031	9.541
	29 tert-Butyl Alcohol	59	2.941	3.094	(0.594)	13956	73.8631	14.773
	30 2-Butanone	43	4.018	4.017	(0.811)	90803	31.9863	6.397
M	31 1,2-Dichloroethene (total)	96				501160	95.5332	19.107
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	246360	47.3539	9.471
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.278	4.266	(0.864)	435951	47.2108	9.442
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.444	4.443	(0.897)	354816	47.9613	9.592
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.586	4.585	(0.926)	276165	48.2835	9.657
	40 1,2-Dichloroethane	62	4.728	4.727	(0.955)	384555	48.2366	9.647
	41 Benzene	78	4.728	4.739	(0.955)	1041160	47.0467	9.409
	42 Trichloroethene	130	5.260	5.260	(1.062)	210648	46.7487	9.350
	43 1,2-Dichloropropane	63	5.437	5.437	(1.098)	253820	46.8045	9.361
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.662	5.662	(1.143)	332488	49.9377	9.988
	47 2-Chloroethyl vinyl ether	63	5.899	5.899	(1.191)	131153	45.5044	9.101
	48 cis-1,3-Dichloropropene	75	6.041	6.041	(1.220)	358742	47.3045	9.461
	49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	189801	42.5802	8.516
	50 Toluene	91	6.337	6.337	(0.837)	1058285	51.3689	10.274
	51 trans-1,3-Dichloropropene	75	6.514	6.514	(0.861)	314836	48.5621	9.712
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.680	6.680	(0.883)	213281	48.3880	9.678
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.834	6.834	(0.903)	140414	49.5444	9.909
	56 2-Hexanone	43	6.893	6.893	(0.911)	121329	36.4201	7.284
	57 Dibromochloromethane	129	7.035	7.035	(0.930)	199972	55.6440	11.129
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	194920	50.1788	10.036
	59 Chlorobenzene	112	7.603	7.603	(1.005)	605393	48.8448	9.769
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.698	7.697	(1.017)	293443	44.1648	8.833
	62 m + p-Xylene	106	7.804	7.804	(1.031)	779760	91.5460	18.309
M	63 Xylenes (total)	106				1145468	136.093	27.218
	64 Xylene-o	106	8.183	8.182	(1.081)	365708	44.5468	8.909
	65 Styrene	104	8.183	8.182	(1.081)	661319	44.7824	8.956
	66 Bromoform	173	8.360	8.360	(1.105)	112055	61.5897	12.318

Data File: \\qcanon04\dd\chem\MSV\a3ux7.1\[illegible]
Report Date: 31-Aug-2004 14:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
67 Isopropylbenzene	105	8.526	8.526	(1.127)	762214	46.6090	9.322
68 1,1,2,2-Tetrachloroethane	83	8.786	8.798	(0.897)	287236	55.3953	11.079
69 1,4-Dichloro-2-butene	53	8.609	8.845	(0.879)	3165	1.88625	0.3772
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.733	9.733	(0.994)	314402	46.7802	9.356
81 1,4-Dichlorobenzene	146	9.816	9.815	(1.002)	372807	51.8111	10.362
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	344088	50.6156	10.123
84 1,2-Dibromo-3-chloropropane	157	10.940	10.940	(1.117)	38662	56.5965	11.319
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	131090	45.8327	9.166
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.040	12.016	(1.230)	1389	5.09030	1.018
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.503	4.502	(0.909)	324628	41.0301	8.206
143 Methyl Acetate	43	2.941	2.929	(0.594)	160878	44.6961	8.939
144 Methylcyclohexane	83	5.437	5.437	(1.098)	252144	40.8248	8.165
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4H19207 **Work Order #...:** GN8241AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H310000-112 GN8241AD-LCSD
Prep Date.....: 08/30/04 **Analysis Date..:** 08/30/04
Prep Batch #...: 4244112
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
	55	(22 - 200)	12	(0-95)	SW846 8260B
Benzene	**92**	**(80 - 116)**			**SW846 8260B**
	96	**(80 - 116)**	**4.2**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	98	(87 - 130)			SW846 8260B
	103	(87 - 130)	4.3	(0-30)	SW846 8260B
Bromoform	130	(76 - 150)			SW846 8260B
	135	(76 - 150)	4.1	(0-30)	SW846 8260B
Bromomethane	62 a	(64 - 129)			SW846 8260B
	69	(64 - 129)	9.4	(0-30)	SW846 8260B
2-Butanone	75	(28 - 237)			SW846 8260B
	70	(28 - 237)	6.7	(0-65)	SW846 8260B
Carbon disulfide	86	(73 - 139)			SW846 8260B
	87	(73 - 139)	2.1	(0-30)	SW846 8260B
Carbon tetrachloride	99	(75 - 149)			SW846 8260B
	103	(75 - 149)	3.6	(0-30)	SW846 8260B
Chlorobenzene	**96**	**(76 - 117)**			**SW846 8260B**
	102	**(76 - 117)**	**5.6**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	111	(81 - 138)			SW846 8260B
	119	(81 - 138)	6.8	(0-30)	SW846 8260B
Chloroethane	64 a	(66 - 126)			SW846 8260B
	73	(66 - 126)	13	(0-30)	SW846 8260B
Chloroform	94	(84 - 128)			SW846 8260B
	99	(84 - 128)	4.4	(0-30)	SW846 8260B
Chloromethane	58	(48 - 123)			SW846 8260B
	59	(48 - 123)	1.1	(0-30)	SW846 8260B
1,1-Dichloroethane	98	(86 - 123)			SW846 8260B
	98	(86 - 123)	0.15	(0-30)	SW846 8260B
1,2-Dichloroethane	95	(79 - 136)			SW846 8260B
	100	(79 - 136)	5.5	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	95	(85 - 113)			SW846 8260B
	96	(85 - 113)	2.0	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	95	(79 - 120)			SW846 8260B
	99	(79 - 120)	4.8	(0-30)	SW846 8260B
1,1-Dichloroethene	**96**	**(63 - 130)**			**SW846 8260B**
	100	**(63 - 130)**	**4.9**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	95	(82 - 116)			SW846 8260B
	98	(82 - 116)	3.4	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4H19207 **Work Order #...:** GN8241AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H310000-112 GN8241AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	93	(82 - 115)			SW846 8260B
	97	(82 - 115)	4.1	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	97	(84 - 130)			SW846 8260B
	101	(84 - 130)	4.2	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	98	(84 - 130)			SW846 8260B
	103	(84 - 130)	5.0	(0-30)	SW846 8260B
Ethylbenzene	90	(86 - 116)			SW846 8260B
	96	(86 - 116)	5.5	(0-30)	SW846 8260B
2-Hexanone	79	(35 - 200)			SW846 8260B
	80	(35 - 200)	1.5	(0-52)	SW846 8260B
Methylene chloride	103	(78 - 118)			SW846 8260B
	105	(78 - 118)	1.6	(0-30)	SW846 8260B
4-Methyl-2-pentanone	89	(78 - 141)			SW846 8260B
	89	(78 - 141)	0.22	(0-32)	SW846 8260B
Styrene	89	(85 - 117)			SW846 8260B
	91	(85 - 117)	2.3	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	112	(85 - 118)			SW846 8260B
	112	(85 - 118)	0.78	(0-30)	SW846 8260B
Tetrachloroethene	92	(88 - 113)			SW846 8260B
	94	(88 - 113)	2.3	(0-30)	SW846 8260B
Toluene	**100**	**(74 - 119)**			**SW846 8260B**
	106	**(74 - 119)**	**5.5**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	95	(78 - 140)			SW846 8260B
	102	(78 - 140)	6.7	(0-30)	SW846 8260B
1,1,2-Trichloroethane	99	(83 - 122)			SW846 8260B
	101	(83 - 122)	2.4	(0-30)	SW846 8260B
Trichloroethene	**94**	**(75 - 122)**			**SW846 8260B**
	96	**(75 - 122)**	**1.8**	**(0-20)**	**SW846 8260B**
Vinyl chloride	63	(61 - 120)			SW846 8260B
	70	(61 - 120)	9.8	(0-30)	SW846 8260B
Xylenes (total)	90	(87 - 116)			SW846 8260B
	94	(87 - 116)	4.5	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(73 - 122)
	92	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
	93	(61 - 128)
Toluene-d8	97	(76 - 110)
	99	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)
	100	(74 - 116)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4H19207 **Work Order #...:** GN8241AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H310000-112 GN8241AD-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 #...: 4H19207 **Work Order #...:** GN8241AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H310000-112 GN8241AD-LCSD
Prep Date.....: 08/30/04 **Analysis Date..:** 08/30/04
Prep Batch #...: 4244112
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	5.5	ug/L	55	12	SW846 8260B
Benzene	**10**	**9.2**	**ug/L**	**92**		**SW846 8260B**
	10	**9.6**	**ug/L**	**96**	**4.2**	**SW846 8260B**
Bromodichloromethane	10	9.8	ug/L	98		SW846 8260B
	10	10	ug/L	103	4.3	SW846 8260B
Bromoform	10	13	ug/L	130		SW846 8260B
	10	14	ug/L	135	4.1	SW846 8260B
Bromomethane	10	6.2 a	ug/L	62		SW846 8260B
	10	6.9	ug/L	69	9.4	SW846 8260B
2-Butanone	10	7.5	ug/L	75		SW846 8260B
	10	7.0	ug/L	70	6.7	SW846 8260B
Carbon disulfide	10	8.6	ug/L	86		SW846 8260B
	10	8.7	ug/L	87	2.1	SW846 8260B
Carbon tetrachloride	10	9.9	ug/L	99		SW846 8260B
	10	10	ug/L	103	3.6	SW846 8260B
Chlorobenzene	**10**	**9.6**	**ug/L**	**96**		**SW846 8260B**
	10	**10**	**ug/L**	**102**	**5.6**	**SW846 8260B**
Dibromochloromethane	10	11	ug/L	111		SW846 8260B
	10	12	ug/L	119	6.8	SW846 8260B
Chloroethane	10	6.4 a	ug/L	64		SW846 8260B
	10	7.3	ug/L	73	13	SW846 8260B
Chloroform	10	9.4	ug/L	94		SW846 8260B
	10	9.9	ug/L	99	4.4	SW846 8260B
Chloromethane	10	5.8	ug/L	58		SW846 8260B
	10	5.9	ug/L	59	1.1	SW846 8260B
1,1-Dichloroethane	10	9.8	ug/L	98		SW846 8260B
	10	9.8	ug/L	98	0.15	SW846 8260B
1,2-Dichloroethane	10	9.5	ug/L	95		SW846 8260B
	10	10	ug/L	100	5.5	SW846 8260B
cis-1,2-Dichloroethene	10	9.5	ug/L	95		SW846 8260B
	10	9.6	ug/L	96	2.0	SW846 8260B
trans-1,2-Dichloroethene	10	9.5	ug/L	95		SW846 8260B
	10	9.9	ug/L	99	4.8	SW846 8260B
1,1-Dichloroethene	**10**	**9.6**	**ug/L**	**96**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**4.9**	**SW846 8260B**
1,2-Dichloroethene (total)	20	19	ug/L	95		SW846 8260B
	20	20	ug/L	98	3.4	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 4H19207 **Work Order #...:** GN8241AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H310000-112 GN8241AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dichloropropane	10	9.3	ug/L	93		SW846 8260B
	10	9.7	ug/L	97	4.1	SW846 8260B
cis-1,3-Dichloropropene	10	9.7	ug/L	97		SW846 8260B
	10	10	ug/L	101	4.2	SW846 8260B
trans-1,3-Dichloropropene	10	9.8	ug/L	98		SW846 8260B
	10	10	ug/L	103	5.0	SW846 8260B
Ethylbenzene	10	9.0	ug/L	90		SW846 8260B
	10	9.6	ug/L	96	5.5	SW846 8260B
2-Hexanone	10	7.9	ug/L	79		SW846 8260B
	10	8.0	ug/L	80	1.5	SW846 8260B
Methylene chloride	10	10	ug/L	103		SW846 8260B
	10	10	ug/L	105	1.6	SW846 8260B
4-Methyl-2-pentanone	10	8.9	ug/L	89		SW846 8260B
	10	8.9	ug/L	89	0.22	SW846 8260B
Styrene	10	8.9	ug/L	89		SW846 8260B
	10	9.1	ug/L	91	2.3	SW846 8260B
1,1,2,2-Tetrachloroethane	10	11	ug/L	112		SW846 8260B
	10	11	ug/L	112	0.78	SW846 8260B
Tetrachloroethene	10	9.2	ug/L	92		SW846 8260B
	10	9.4	ug/L	94	2.3	SW846 8260B
Toluene	**10**	**10**	**ug/L**	**100**		**SW846 8260B**
	10	**11**	**ug/L**	**106**	**5.5**	**SW846 8260B**
1,1,1-Trichloroethane	10	9.5	ug/L	95		SW846 8260B
	10	10	ug/L	102	6.7	SW846 8260B
1,1,2-Trichloroethane	10	9.9	ug/L	99		SW846 8260B
	10	10	ug/L	101	2.4	SW846 8260B
Trichloroethene	**10**	**9.4**	**ug/L**	**94**		**SW846 8260B**
	10	**9.6**	**ug/L**	**96**	**1.8**	**SW846 8260B**
Vinyl chloride	10	6.3	ug/L	63		SW846 8260B
	10	7.0	ug/L	70	9.8	SW846 8260B
Xylenes (total)	30	27	ug/L	90		SW846 8260B
	30	28	ug/L	94	4.5	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(73 - 122)
	92	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
	93	(61 - 128)
Toluene-d8	97	(76 - 110)
	99	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)
	100	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

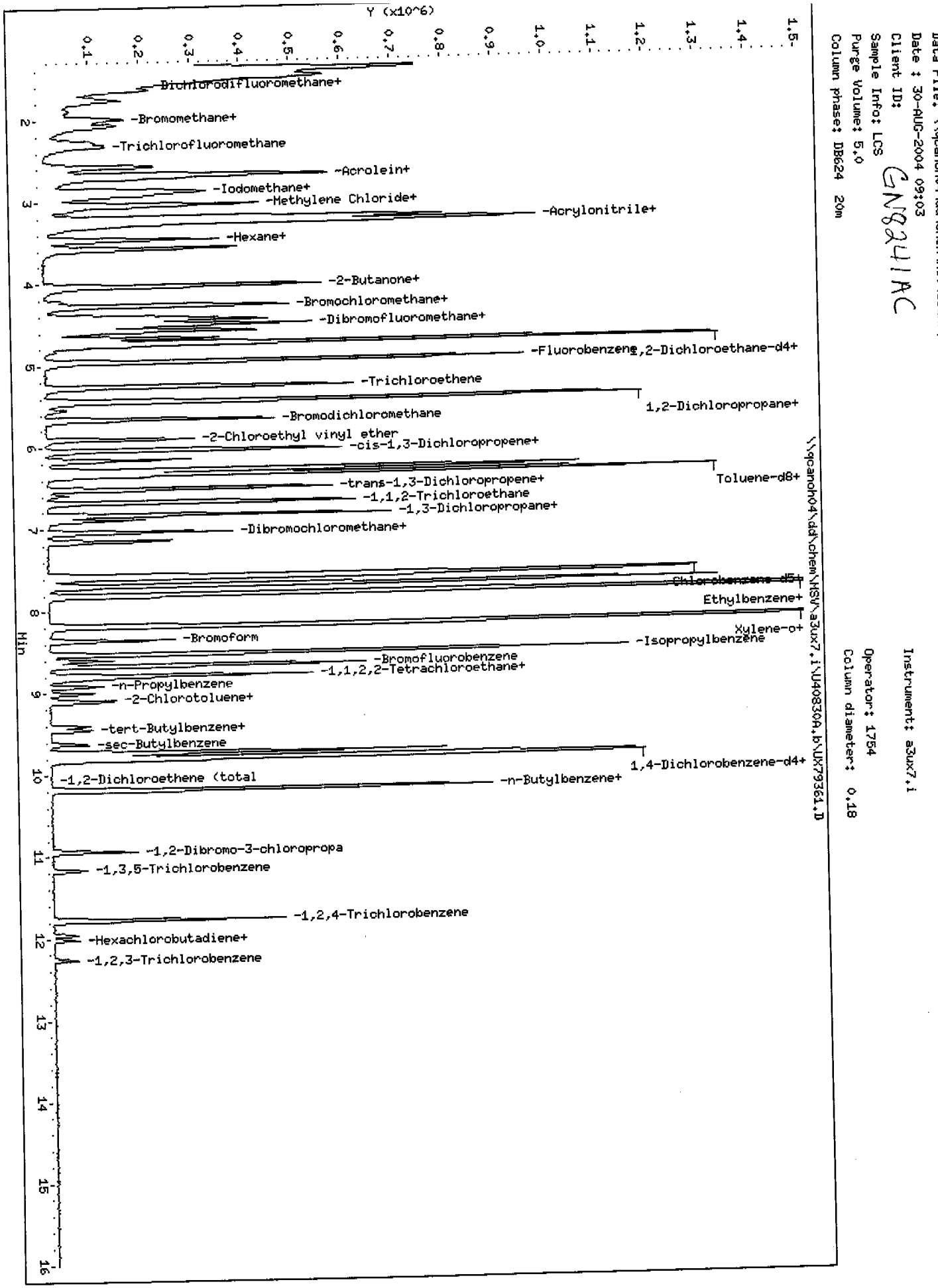
Client Lot #...: 4H19207 **Work Order #...:** GN8241AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4H310000-112 GN8241AD-LCSD

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\MSV\a3ux7.i\U40830A.b\UX79361.D
Date : 30-AUG-2004 09:03
Client ID:
Sample Info: LCS
Purge Volume: 5.0
Column phase: DB624 20m
GN82411AC
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-2-Butanone+
-Bromochloromethane+
-Dibromofluoromethane+
-Fluorobenzene,2-Dichloroethane-d4+
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene+
Toluene-d8+
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-Dibromochloromethane+
Chlorobenzene-d5+
Ethylbenzene+
Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene+
-tert-Butylbenzene+
-sec-Butylbenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichloroethene (total
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene+
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79361.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79361.D
Report Date: 31-Aug-2004 09:56

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79361.D
Lab Smp Id: LCS
Inj Date : 30-AUG-2004 09:03
Operator : 1754
Smp Info : LCS
Misc Info : U40830A,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\N8260UX7-3.m
Meth Date : 31-Aug-2004 09:54 roachc
Cal Date : 15-JUL-2004 14:56
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.04
Processing Host: CANPMSV03

Inst ID: a3ux7.i

Quant Type: ISTD
Cal File: UX77665.D
QC Sample: METHSPIKE

Compound Sublist: 1-8260.SUB

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	947491	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.579	(1.000)	631668	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.791	(1.000)	253403	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	196534	46.5987	9.320
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	295658	46.8258	9.365
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	792429	48.6706	9.734
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	250406	48.2337	9.647
8 Dichlorodifluoromethane	85	1.591	1.591	(0.321)	111086	22.1391	4.428
9 Chloromethane	50	1.639	1.651	(0.331)	235985	29.0328	5.806
10 Vinyl Chloride	62	1.757	1.757	(0.355)	246120	31.5488	6.310
11 Bromomethane	94	1.994	1.994	(0.403)	173156	31.1843	6.237
12 Chloroethane	64	2.077	2.065	(0.419)	185275	32.0826	6.416
13 Trichlorofluoromethane	101	2.301	2.313	(0.465)	331691	42.5642	8.513
15 Acrolein	56	2.574	2.573	(0.520)	356155	388.415	77.683
16 Acetone	43	2.680	2.680	(0.541)	96180	31.1939	6.239
17 1,1-Dichloroethene	96	2.668	2.668	(0.539)	222260	47.8445	9.569
18 Freon-113	151	2.692	2.692	(0.544)	148170	52.2486	10.450

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79361.D
Report Date: 31-Aug-2004 09:56

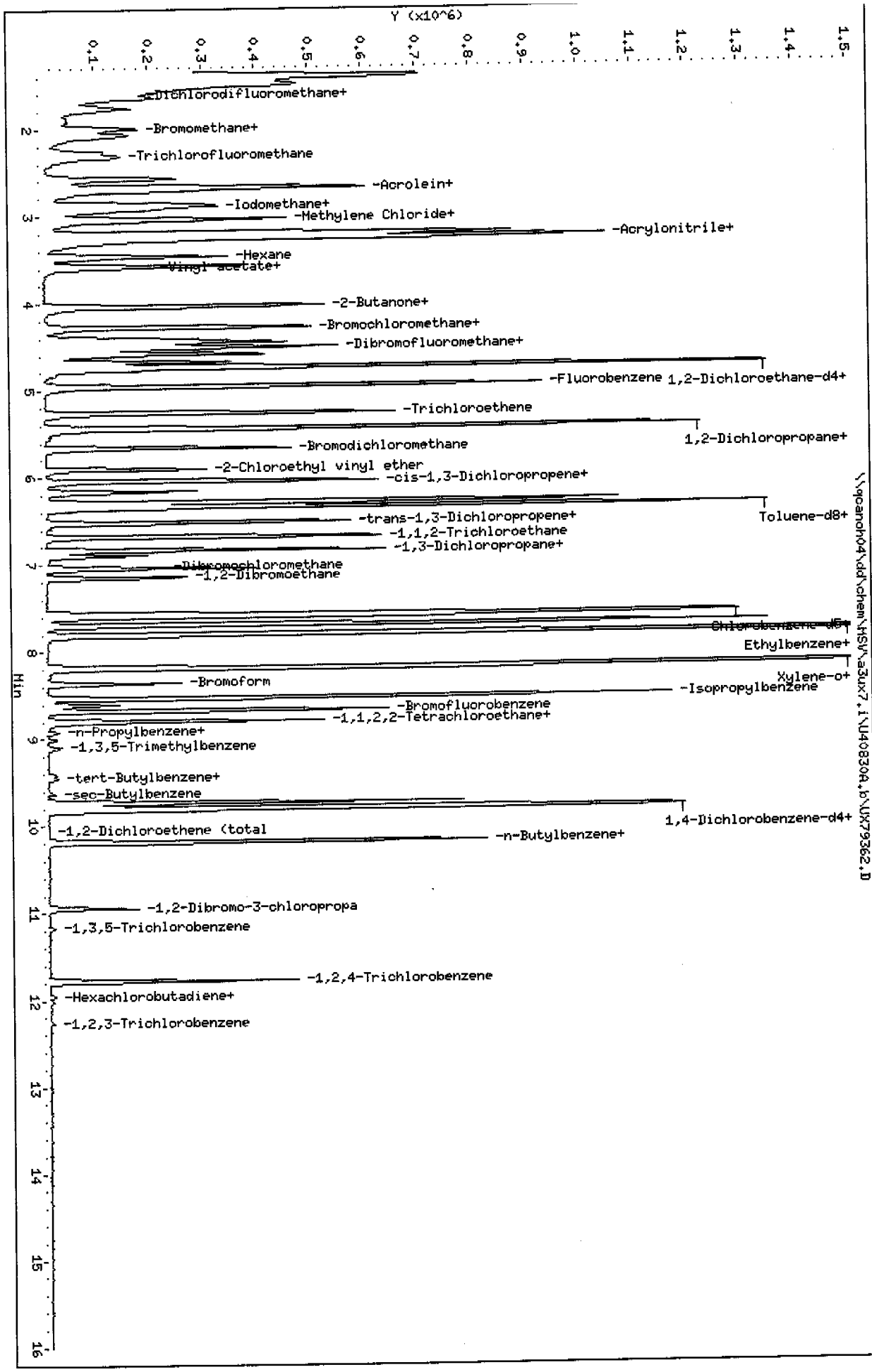
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
19 Iodomethane	142	2.798	2.798	(0.565)	31531	4.97687	0.9954
20 Carbon Disulfide	76	2.869	2.869	(0.579)	798351	42.8231	8.565
21 Methylene Chloride	84	3.035	3.035	(0.613)	320334	51.6668	10.333
22 Acetonitrile	41	2.893	2.905	(0.584)	267040	421.165	84.233
23 Acrylonitrile	53	3.201	3.201	(0.646)	943799	450.100	90.020
24 Methyl tert-butyl ether	73	3.248	3.248	(0.656)	629429	50.7333	10.147
25 trans-1,2-Dichloroethene	96	3.260	3.248	(0.658)	254813	47.3735	9.475
26 Hexane	86	3.461	3.461	(0.699)	36608	40.4282	8.086
27 Vinyl acetate	43	3.603	3.591	(0.728)	11475	3.13602	0.6272
28 1,1-Dichloroethane	63	3.567	3.579	(0.720)	475700	48.7637	9.753
29 tert-Butyl Alcohol	59	3.106	3.094	(0.627)	35703	134.898	26.980
30 2-Butanone	43	4.017	4.017	(0.811)	108380	37.5375	7.508
M 31 1,2-Dichloroethene (total)	96				504920	94.6411	18.928
32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	250107	47.2676	9.454
33 2,2-Dichloropropane	77	4.041	4.041	(0.816)	33271	5.47460	1.095
34 Bromochloromethane	128	4.218	4.218	(0.852)	12642	5.23307	1.047
35 Chloroform	83	4.277	4.277	(0.864)	442768	47.1447	9.429
36 Tetrahydrofuran	42	4.266	4.254	(0.861)	7393	5.64518	1.129
37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	357593	47.5258	9.505
38 1,1-Dichloropropene	75	4.561	4.573	(0.921)	30416	4.71132	0.9423
39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	288150	49.5337	9.907
40 1,2-Dichloroethane	62	4.727	4.739	(0.955)	384188	47.3821	9.476
41 Benzene	78	4.739	4.739	(0.957)	1038974	46.1603	9.232
42 Trichloroethene	130	5.260	5.260	(1.062)	216026	47.1380	9.428
43 1,2-Dichloropropane	63	5.437	5.437	(1.098)	256445	46.4952	9.299
44 1,4-Dioxane	88	5.544	5.544	(1.119)	12746	415.805	83.161(A)
45 Dibromomethane	93	5.532	5.532	(1.117)	16273	5.15288	1.030
46 Bromodichloromethane	83	5.662	5.662	(1.143)	332658	49.1250	9.825
47 2-Chloroethyl vinyl ether	63	5.899	5.898	(1.191)	129183	44.2698	8.854
48 cis-1,3-Dichloropropene	75	6.041	6.040	(1.220)	372970	48.3556	9.671
49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	203430	44.5501	8.910
50 Toluene	91	6.336	6.336	(0.837)	1060121	49.9829	9.996
51 trans-1,3-Dichloropropene	75	6.514	6.514	(0.861)	327512	49.0692	9.814
52 Ethyl Methacrylate	69	6.585	6.585	(0.870)	27726	8.74649	1.749
53 1,1,2-Trichloroethane	97	6.679	6.679	(0.883)	224046	49.3732	9.875
54 1,3-Dichloropropane	76	6.833	6.833	(0.903)	42879	5.41394	1.083
55 Tetrachloroethene	164	6.833	6.833	(0.903)	133932	45.9026	9.180
56 2-Hexanone	43	6.892	6.892	(0.911)	137506	39.4205	7.884
57 Dibromochloromethane	129	7.034	7.034	(0.930)	205968	55.6696	11.134
58 1,2-Dibromoethane	107	7.153	7.141	(0.945)	204986	51.2575	10.251
59 Chlorobenzene	112	7.602	7.602	(1.005)	613134	48.0513	9.610
60 1,1,1,2-Tetrachloroethane	131	7.673	7.673	(1.014)	19840	4.88722	0.9774
61 Ethylbenzene	106	7.697	7.697	(1.017)	309946	45.2306	9.046
62 m + p-Xylene	106	7.804	7.804	(1.031)	791573	90.3362	18.067
M 63 Xylenes (total)	106				1162409	134.255	26.851
64 Xylene-o	106	8.182	8.182	(1.081)	370836	43.9189	8.784
65 Styrene	104	8.182	8.182	(1.081)	679293	44.6883	8.938

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.D\UX79561.D
Report Date: 31-Aug-2004 09:56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	8.360	8.360	(1.105)	122089	64.8013	12.960
67 Isopropylbenzene	105	8.525	8.525	(1.127)	766363	45.6086	9.122
68 1,1,2,2-Tetrachloroethane	83	8.786	8.786	(0.897)	302310	56.2296	11.246
69 1,4-Dichloro-2-butene	53	8.845	8.845	(0.903)	9713	5.58286	1.116
70 1,2,3-Trichloropropane	110	8.833	8.845	(0.902)	10955	6.67978	1.336
71 Bromobenzene	156	8.821	8.821	(0.901)	22697	5.98497	1.197
72 n-Propylbenzene	120	8.916	8.916	(0.911)	19507	8.26520	1.653
73 2-Chlorotoluene	126	9.011	9.011	(0.920)	18960	5.48976	1.098
74 1,3,5-Trimethylbenzene	105	9.093	9.093	(0.929)	53748	7.44721	1.489
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	19615	5.26352	1.053
76 tert-Butylbenzene	119	9.401	9.413	(0.960)	38106	7.55223	1.510
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	53999	7.25857	1.452
78 sec-Butylbenzene	105	9.626	9.626	(0.983)	64310	7.84033	1.568
79 4-Isopropyltoluene	119	9.756	9.768	(0.996)	52889	8.24457	1.649
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	356824	51.2047	10.241
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	391533	52.4790	10.496
82 n-Butylbenzene	91	10.158	10.170	(1.037)	55984	8.18436	1.637
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	358876	50.9141	10.183
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	45875	64.7679	12.954
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	146801	49.5010	9.900
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	7432	6.52625	1.305
87 Naphthalene	128	12.016	12.016	(1.227)	47327	9.12016	1.824
88 1,2,3-Trichlorobenzene	180	12.265	12.265	(1.253)	17084	8.92132	1.784
98 Cyclohexane	56	4.502	4.502	(0.909)	327514	40.7282	8.146
143 Methyl Acetate	43	2.940	2.940	(0.594)	179752	49.1020	9.820
144 Methylcyclohexane	83	5.437	5.437	(1.098)	248683	39.7022	7.940
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	22356	6.49419	1.299

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79362.D
Date : 30-AUG-2004 09:26
Client ID:
Sample Info: LCSD
Purge Volume: 5.0
Column phase: DB624 20m
GN82411AD
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+
-Fluorobenzene
1,2-Dichloroethane-d4+
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene+
Toluene-d8+
-trans-1,3-Dichloropropene+
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene+
Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene+
-1,3,5-Trimethylbenzene
-tert-Butylbenzene+
-sec-Butylbenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichloroethene (total
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene+
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79362.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79362.D
Report Date: 31-Aug-2004 09:57

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79362.D
Lab Smp Id: LCSD
Inj Date : 30-AUG-2004 09:26 Inst ID: a3ux7.i
Operator : 1754
Smp Info : LCSD
Misc Info : U40830A,N8260UX7-3,1-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\N8260UX7-3.m
Meth Date : 31-Aug-2004 09:54 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	931652	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.579	(1.000)	617529	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.791	(1.000)	254778	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	189906	45.7927	9.158
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	288309	46.4382	9.288
$ 6 Toluene-d8	98	6.278	6.277	(0.830)	790727	49.6781	9.936
$ 7 Bromofluorobenzene	95	8.668	8.667	(1.145)	254152	50.0761	10.015
8 Dichlorodifluoromethane	85	1.604	1.591	(0.324)	124641	25.2629	5.052
9 Chloromethane	50	1.639	1.651	(0.331)	234717	29.3652	5.873
10 Vinyl Chloride	62	1.757	1.757	(0.355)	267483	34.7976	6.960
11 Bromomethane	94	1.994	1.994	(0.403)	189361	34.2557	6.851
12 Chloroethane	64	2.077	2.065	(0.419)	208225	36.3986	7.280
13 Trichlorofluoromethane	101	2.314	2.313	(0.467)	361269	47.1479	9.430
15 Acrolein	56	2.574	2.573	(0.520)	394712	437.783	87.556
16 Acetone	43	2.680	2.680	(0.541)	85797	27.6996	5.540
17 1,1-Dichloroethene	96	2.669	2.668	(0.539)	229465	50.2353	10.047
18 Freon-113	151	2.692	2.692	(0.544)	149920	53.7645	10.753

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79362.D
Report Date: 31-Aug-2004 09:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.799	2.798	(0.565)	6426	1.03153	0.2063
	20 Carbon Disulfide	76	2.858	2.869	(0.577)	801891	43.7443	8.749
	21 Methylene Chloride	84	3.035	3.035	(0.613)	319606	52.4884	10.498
	22 Acetonitrile	41	2.893	2.905	(0.584)	315811	506.552	101.31
	23 Acrylonitrile	53	3.201	3.201	(0.646)	1013854	491.730	98.346
	24 Methyl tert-butyl ether	73	3.248	3.248	(0.656)	654601	53.6593	10.732
	25 trans-1,2-Dichloroethene	96	3.248	3.248	(0.656)	262975	49.7221	9.944
	26 Hexane	86	3.473	3.461	(0.701)	37931	42.4336	8.487
	27 Vinyl acetate	43	3.556	3.591	(0.718)	6898	2.66200	0.5324
	28 1,1-Dichloroethane	63	3.568	3.579	(0.720)	468481	48.8401	9.768
	29 tert-Butyl Alcohol	59	3.095	3.094	(0.625)	8069	56.8099	11.362
	30 2-Butanone	43	4.018	4.017	(0.811)	99673	35.1088	7.022
M	31 1,2-Dichloroethene (total)	96				513836	97.9383	19.588
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	250861	48.2161	9.643
	33 2,2-Dichloropropane	77	4.029	4.041	(0.814)	6566	1.09877	0.2198
	34 Bromochloromethane	128	4.219	4.218	(0.852)	2296	0.96657	0.1933
	35 Chloroform	83	4.278	4.277	(0.864)	455032	49.2742	9.855
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.444	4.443	(0.897)	376119	50.8378	10.168
	38 1,1-Dichloropropene	75	4.562	4.573	(0.921)	6602	1.04001	0.2080
	39 Carbon Tetrachloride	117	4.586	4.585	(0.926)	293846	51.3717	10.274
	40 1,2-Dichloroethane	62	4.728	4.739	(0.955)	399279	50.0804	10.016
	41 Benzene	78	4.739	4.739	(0.957)	1065538	48.1454	9.629
	42 Trichloroethene	130	5.260	5.260	(1.062)	216354	48.0121	9.602
	43 1,2-Dichloropropane	63	5.437	5.437	(1.098)	262834	48.4638	9.693
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	5.532	5.532	(1.117)	3903	1.25691	0.2514
	46 Bromodichloromethane	83	5.662	5.662	(1.143)	341582	51.3005	10.260
	47 2-Chloroethyl vinyl ether	63	5.899	5.898	(1.191)	140152	48.1840	9.637
	48 cis-1,3-Dichloropropene	75	6.041	6.040	(1.220)	382640	50.4527	10.090
	49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	200538	44.6481	8.930
	50 Toluene	91	6.337	6.336	(0.837)	1095301	52.8240	10.565
	51 trans-1,3-Dichloropropene	75	6.514	6.514	(0.861)	336546	51.5772	10.315
	52 Ethyl Methacrylate	69	6.585	6.585	(0.870)	4370	5.29686	1.059
	53 1,1,2-Trichloroethane	97	6.680	6.679	(0.883)	224264	50.5528	10.110
	54 1,3-Dichloropropane	76	6.822	6.833	(0.901)	8681	1.12117	0.2242
	55 Tetrachloroethene	164	6.834	6.833	(0.903)	133946	46.9585	9.392
	56 2-Hexanone	43	6.893	6.892	(0.911)	136954	40.0352	8.007
	57 Dibromochloromethane	129	7.035	7.034	(0.930)	215491	59.5771	11.915
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	212760	54.4195	10.884
	59 Chlorobenzene	112	7.603	7.602	(1.005)	634071	50.8299	10.166
	60 1,1,1,2-Tetrachloroethane	131	7.674	7.673	(1.014)	4432	1.11674	0.2233
	61 Ethylbenzene	106	7.698	7.697	(1.017)	321413	47.7925	9.558
	62 m + p-Xylene	106	7.804	7.804	(1.031)	811365	94.4853	18.897
M	63 Xylenes (total)	106				1191740	140.429	28.086
	64 Xylene-o	106	8.183	8.182	(1.081)	380375	45.9432	9.189
	65 Styrene	104	8.183	8.182	(1.081)	681022	45.7455	9.149

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79362.D
Report Date: 31-Aug-2004 09:57

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	8.360	8.360	(1.105)	124949	67.5227	13.504
67 Isopropylbenzene	105	8.526	8.525	(1.127)	801413	48.5216	9.704
68 1,1,2,2-Tetrachloroethane	83	8.798	8.786	(0.898)	301578	55.7907	11.158
69 1,4-Dichloro-2-butene	53	8.833	8.845	(0.902)	2546	1.45550	0.2911
70 1,2,3-Trichloropropane	110	8.833	8.845	(0.902)	2455	1.48885	0.2978
71 Bromobenzene	156	8.822	8.821	(0.901)	4010	1.05169	0.2103
72 n-Propylbenzene	120	8.928	8.916	(0.912)	3834	4.71720	0.9434
73 2-Chlorotoluene	126	8.999	9.011	(0.919)	3403	0.98000	0.1960
74 1,3,5-Trimethylbenzene	105	9.094	9.093	(0.929)	11615	4.42989	0.8860
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	9.413	9.413	(0.961)	10112	4.83233	0.9665
77 1,2,4-Trimethylbenzene	105	9.449	9.448	(0.965)	11016	4.35544	0.8711
78 sec-Butylbenzene	105	9.626	9.626	(0.983)	12300	4.62521	0.9250
79 4-Isopropyltoluene	119	9.756	9.768	(0.996)	8259	4.83717	0.9674
80 1,3-Dichlorobenzene	146	9.733	9.732	(0.994)	352956	50.3763	10.075
81 1,4-Dichlorobenzene	146	9.816	9.815	(1.002)	385985	51.4562	10.291
82 n-Butylbenzene	91	10.171	10.170	(1.039)	12978	4.70259	0.9405
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	362016	51.0824	10.216
84 1,2-Dibromo-3-chloropropane	157	10.940	10.939	(1.117)	43068	60.4768	12.095
85 1,2,4-Trichlorobenzene	180	11.780	11.779	(1.203)	140075	46.9781	9.396
86 Hexachlorobutadiene	225	11.969	11.957	(1.222)	2714	2.37038	0.4741
87 Naphthalene	128	12.017	12.016	(1.227)	9473	5.79309	1.159
88 1,2,3-Trichlorobenzene	180	12.265	12.265	(1.253)	3577	4.52187	0.9044
98 Cyclohexane	56	4.503	4.502	(0.909)	327429	41.3520	8.270
143 Methyl Acetate	43	2.941	2.940	(0.594)	174772	48.5533	9.711
144 Methylcyclohexane	83	5.437	5.437	(1.098)	259473	41.9012	8.380
141 1,3,5-Trichlorobenzene	180	11.165	11.164	(1.140)	5170	1.49373	0.2987

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 4H19207
MB Lot-Sample #: A4H300000-253

Work Order #...: GN7MP1AA

Matrix.....: WATER

Analysis Date..: 08/27/04
Dilution Factor: 1

Prep Date.....: 08/27/04
Prep Batch #...: 4243253
Initial Wgt/Vol: 5 mL

Final Wgt/Vol..: 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	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 #...: 4H19207 **Work Order #...:** GN7MP1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Propionitrile	ND	4.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

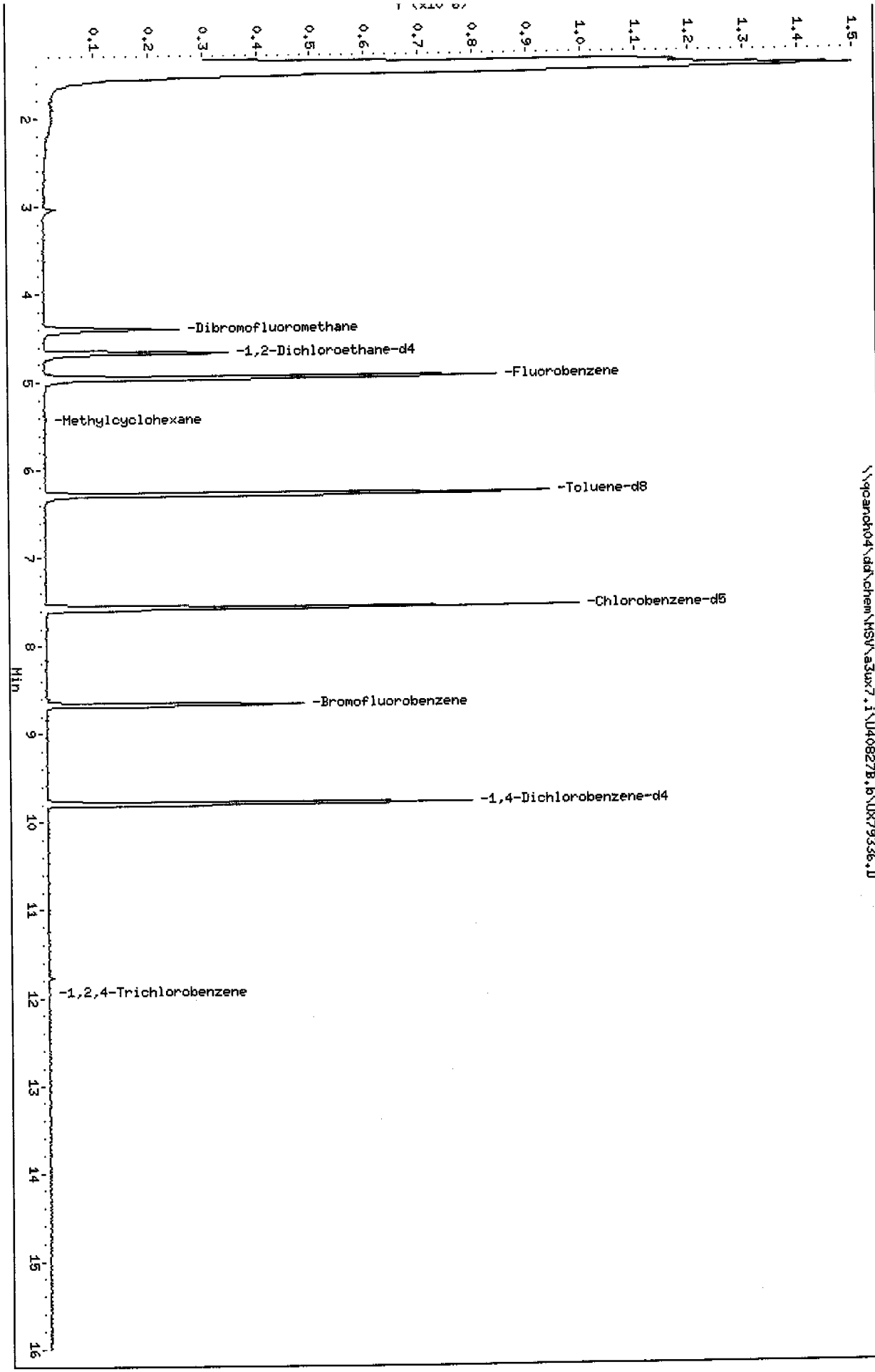
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
Toluene-d8	90	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

NOTE(S):

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79336.D
Date : 27-AUG-2004 21:39
Client ID: GS7mP, Ap4
Sample Info: VOLBLANK,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

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



STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79336.D
Lab Smp Id: GN7MP1AA
Inj Date : 27-AUG-2004 21:39
Operator : 1754 Inst ID: a3ux7.i
Smp Info : VOLBLANK,5ML/5ML
Misc Info : U40827B,N8260UX7-3,,1754,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 31-Aug-2004 14:02 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	859366	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	582659	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	199294	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	186854	48.8467	9.769
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	271618	47.4298	9.486
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	675080	44.9507	8.990
$ 7 Bromofluorobenzene	95	8.667	8.668	(1.145)	187197	39.0912	7.818
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanon04\dd\chem\MSV\a3ux7.1\[illegible]
Report Date: 31-Aug-2004 14:07

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

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Report Date: 31-Aug-2004 14:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.779	11.780	(1.203)	4086	1.75187	0.3504
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.425	5.437	(1.096)	1241	4.42798	0.8856
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

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Date : 27-AUG-2004 21:39

Client ID:

Instrument: a3ux7.i

Sample Info: VOLBLANK,5ML/5ML

Purge Volume: 5.0

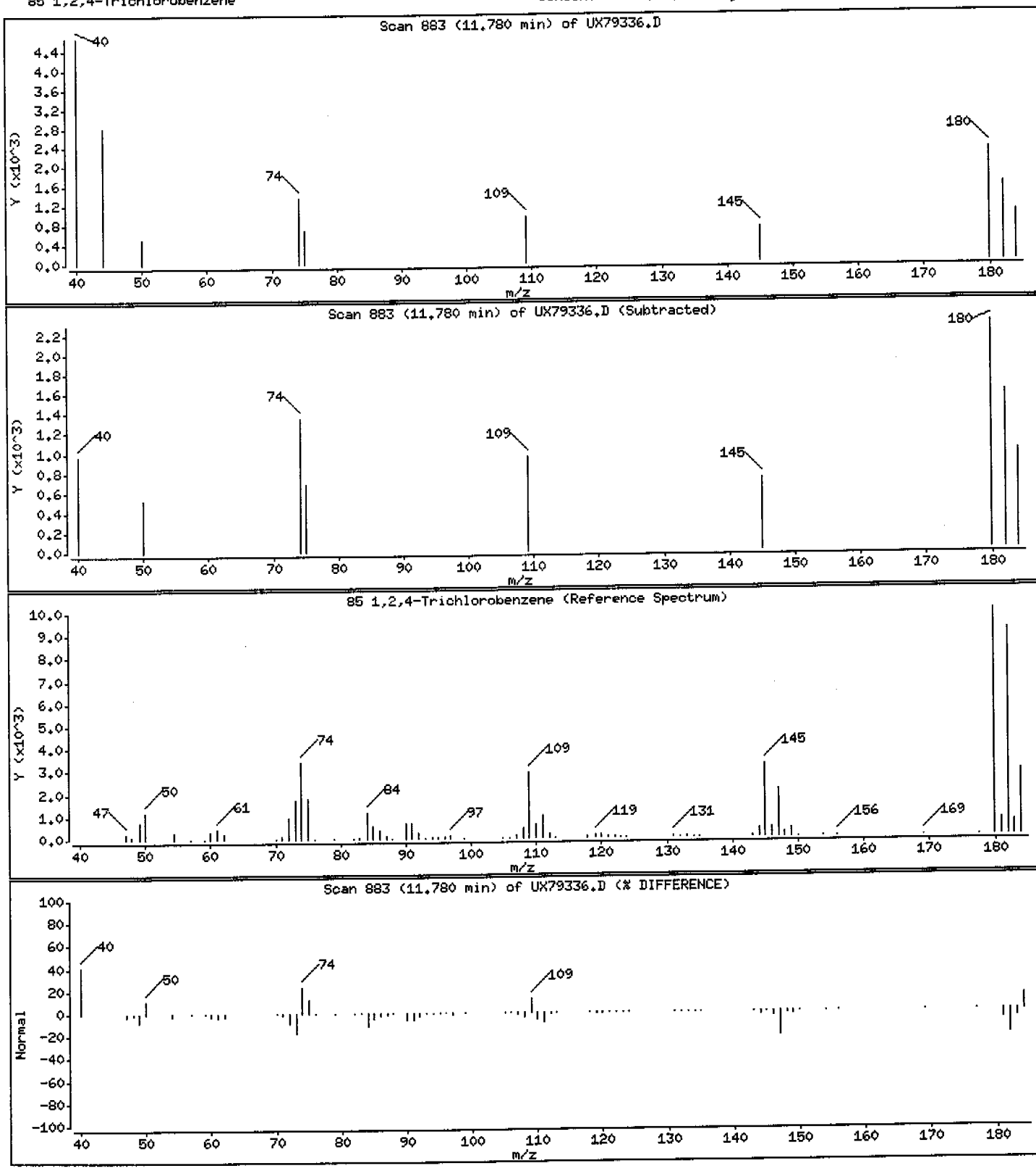
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

85 1,2,4-Trichlorobenzene

Concentration: 0.3504 ug/L



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Date : 27-AUG-2004 21:39

Client ID:

Instrument: a3ux7.i

Sample Info: VOLBLANK,5ML/5ML

Purge Volume: 5.0

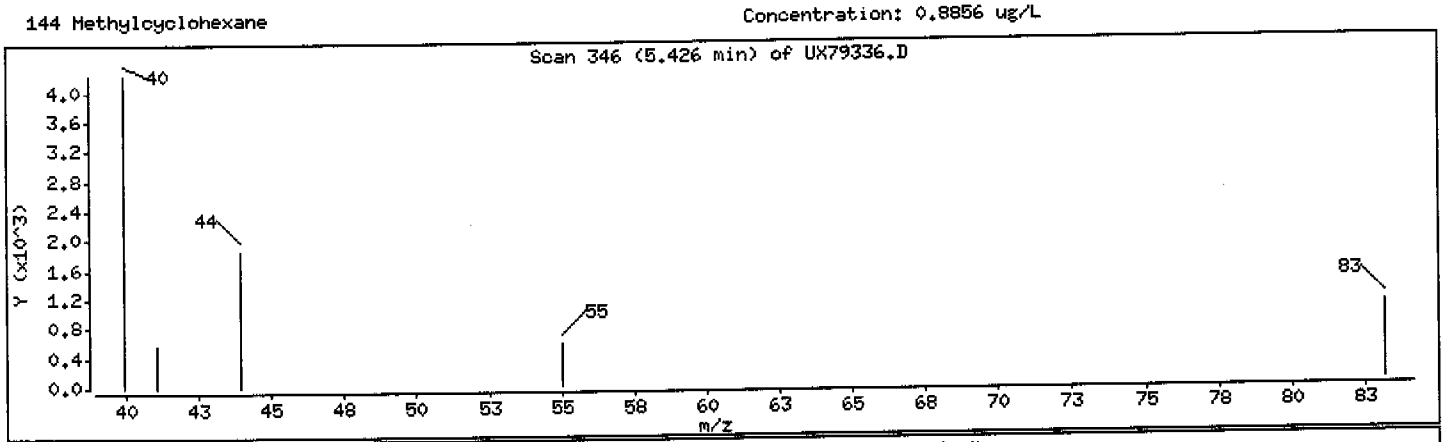
Operator: 1754

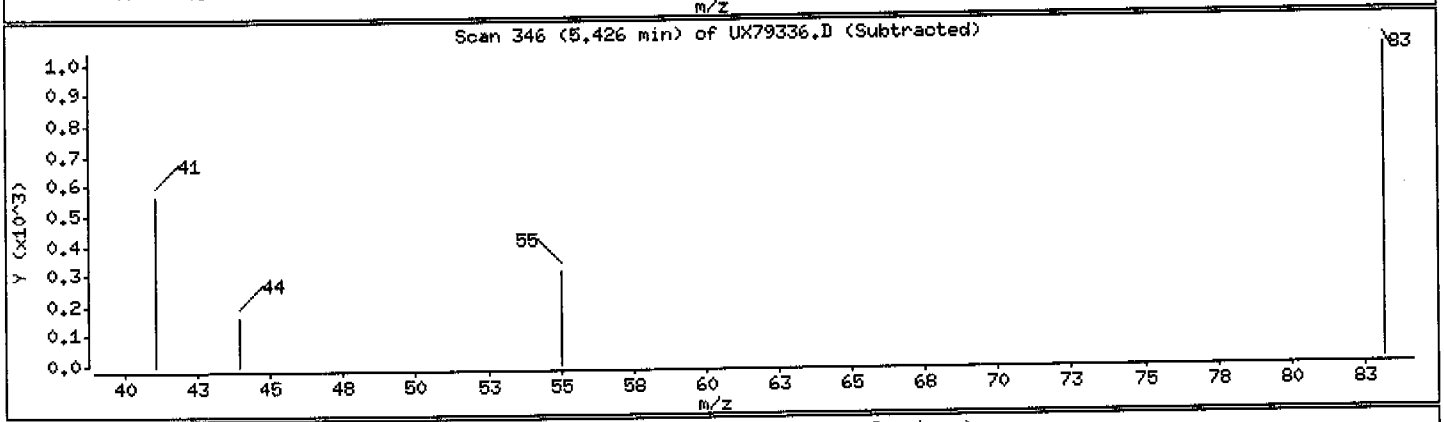
Column phase: DB624 20m

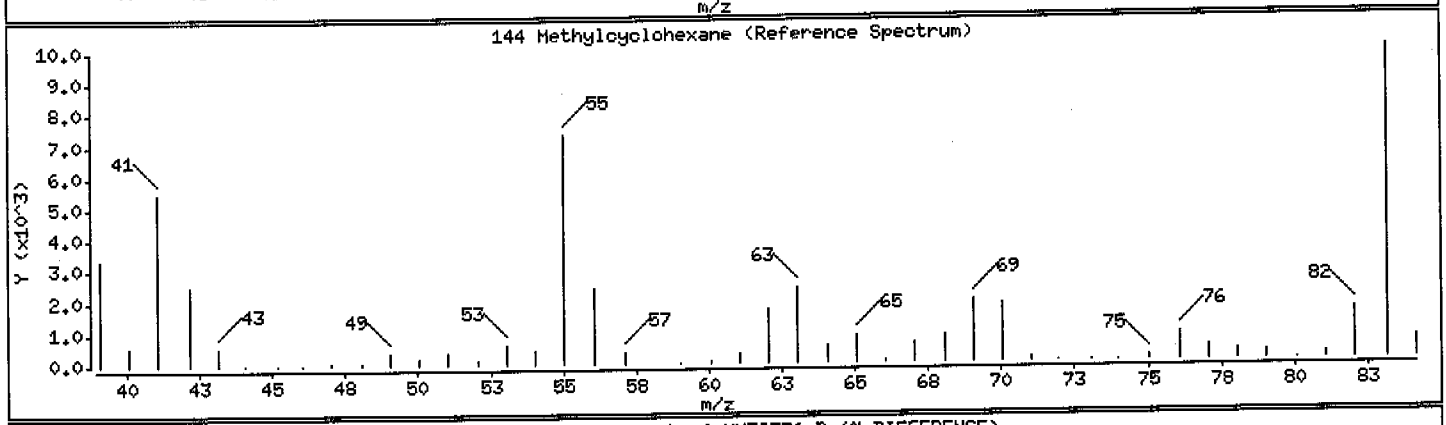
Column diameter: 0.18

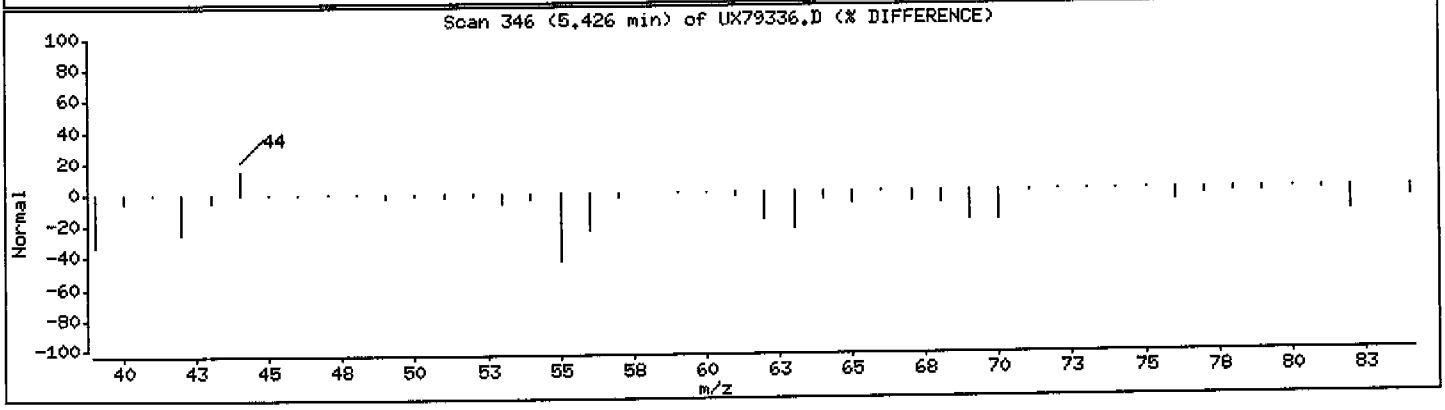
144 Methylcyclohexane

Concentration: 0.8856 ug/L









METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: 4H19207 **Work Order #...:** GN8241AA **Matrix.....:** WATER
MB Lot-Sample #: A4H310000-112

Prep Date.....: 08/30/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 08/30/04 **Prep Batch #...:** 4244112
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 #...: 4H19207 **Work Order #...:** GN8241AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.84 J**	**1.0**	**ug/L**	**SW846 8260B**
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Propionitrile	ND	4.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
Toluene-d8	92	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

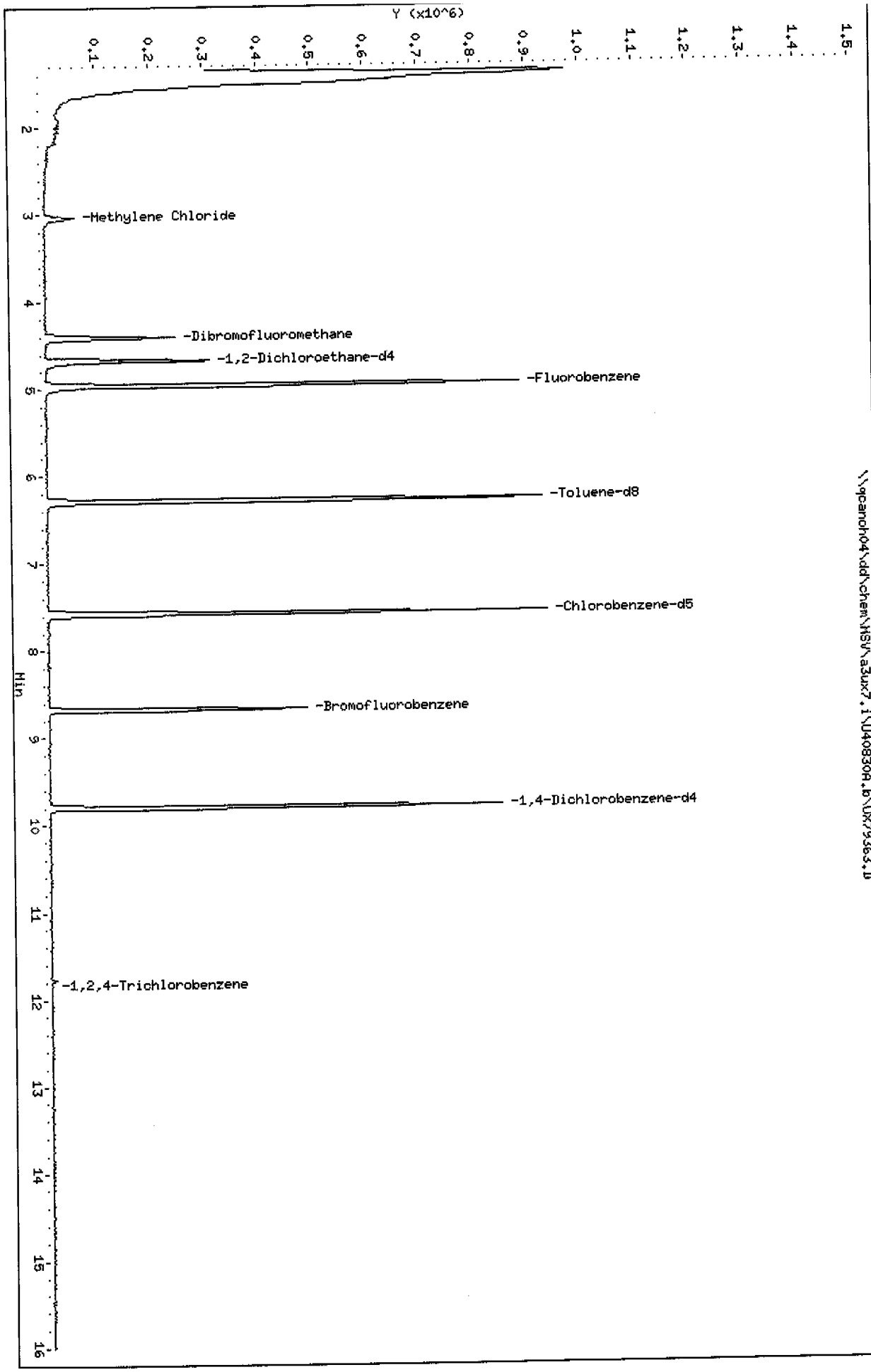
NOTE(S):

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

J Estimated result. Result is less than RL.

Data File: \\qcanch04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79363.D
Date : 30-AUG-2004 09:50
Client ID: GN 82411AA
Sample Info: VOLBLANK,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

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



\\qcanch04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79363.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79363.D
Report Date: 31-Aug-2004 09:58

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79363.D
Lab Smp Id: VOLBLANK
Inj Date : 30-AUG-2004 09:50
Operator : 1754 Inst ID: a3ux7.i
Smp Info : VOLBLANK,5ML/5ML
Misc Info : U40830A,N8260UX7-3,,1754,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\N8260UX7-3.m
Meth Date : 31-Aug-2004 09:54 roachc Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56 Cal File: UX77665.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.951	4.952	(1.000)	881842	50.0000	
* 2 Chlorobenzene-d5	117	7.578	7.579	(1.000)	597066	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	215015	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.396	(0.888)	196298	50.0076	10.002
$ 5 1,2-Dichloroethane-d4	65	4.667	4.668	(0.943)	277151	47.1625	9.432
$ 6 Toluene-d8	98	6.277	6.277	(0.828)	706602	45.9143	9.183
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.144)	190421	38.8049	7.761
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\U40830A.b\UX79363.D
Report Date: 31-Aug-2004 09:58

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	3.034	3.035	(0.613)	38469	4.18071	0.8361
	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\U40830A.b\UX79363.D
Report Date: 31-Aug-2004 09:58

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	3584	1.42428	0.2848
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40830A.b\UX79363.D

Date : 30-AUG-2004 09:50

Client ID:

Instrument: a3ux7.i

Sample Info: VOLBLANK,5ML/5ML

Purge Volume: 5.0

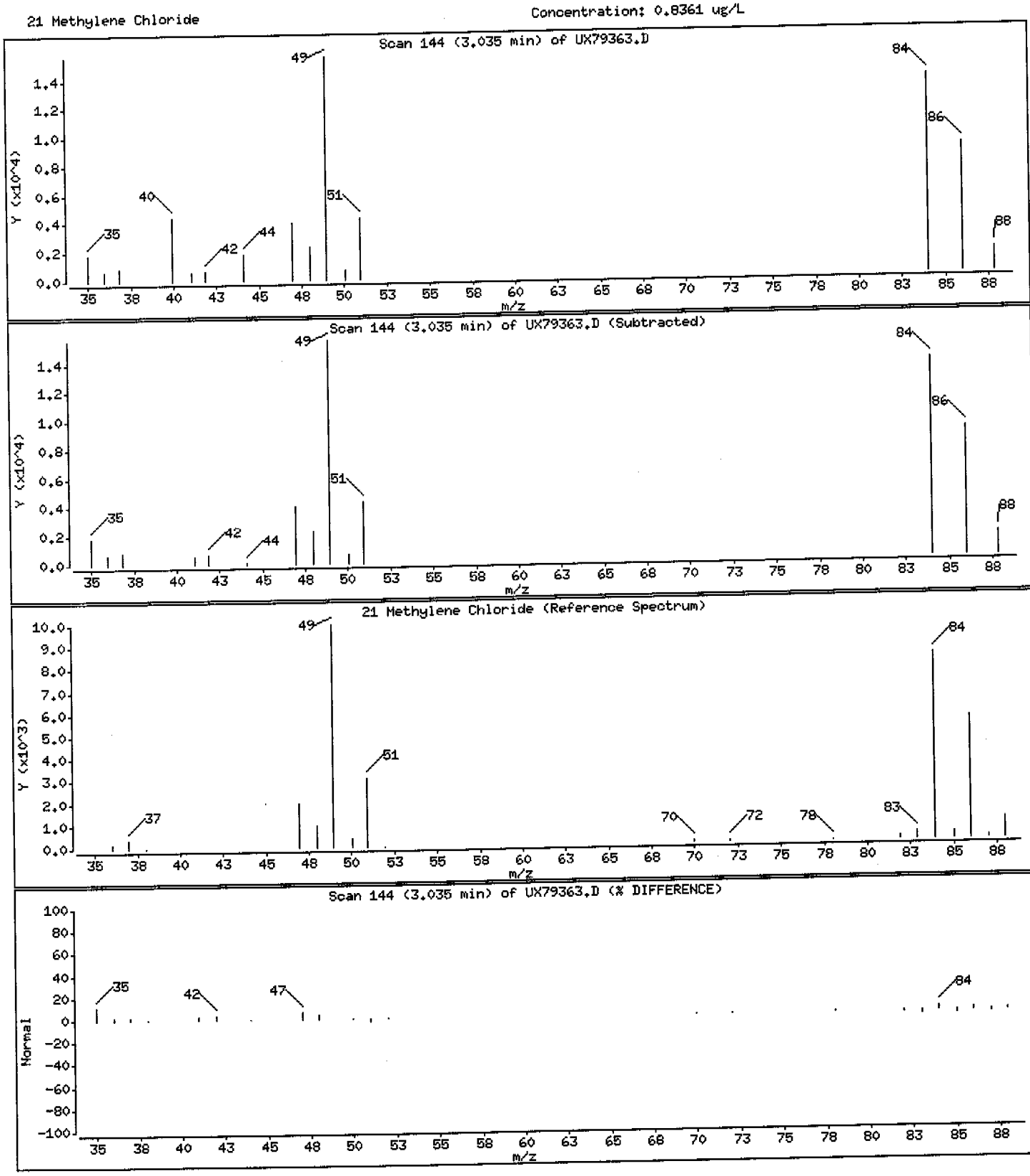
Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

21 Methylene Chloride

Concentration: 0.8361 ug/L



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Date : 30-AUG-2004 09:50

Client ID:

Instrument: a3ux7.i

Sample Info: VOLBLANK,5ML/5ML

Purge Volume: 5.0

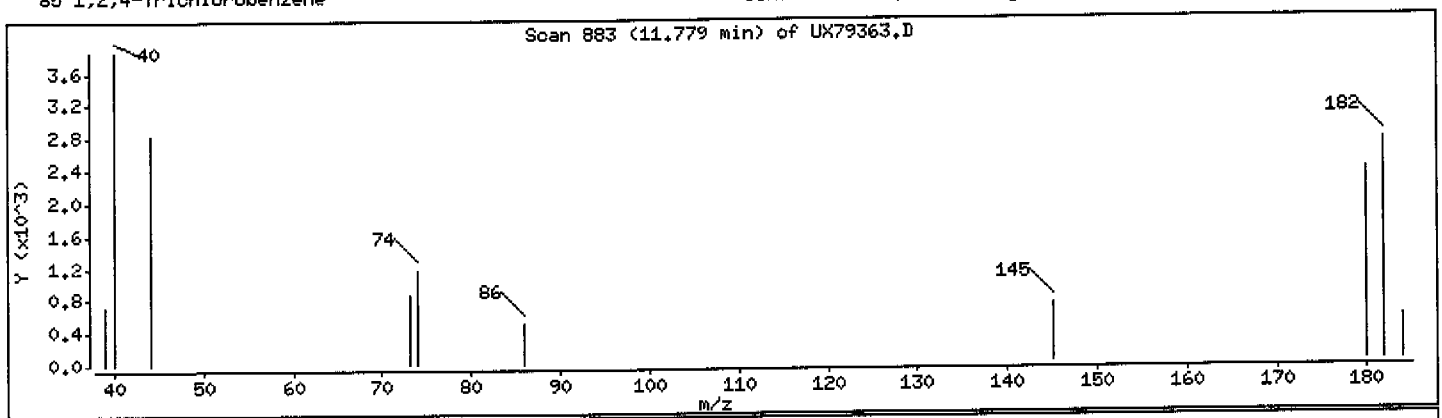
Operator: 1754

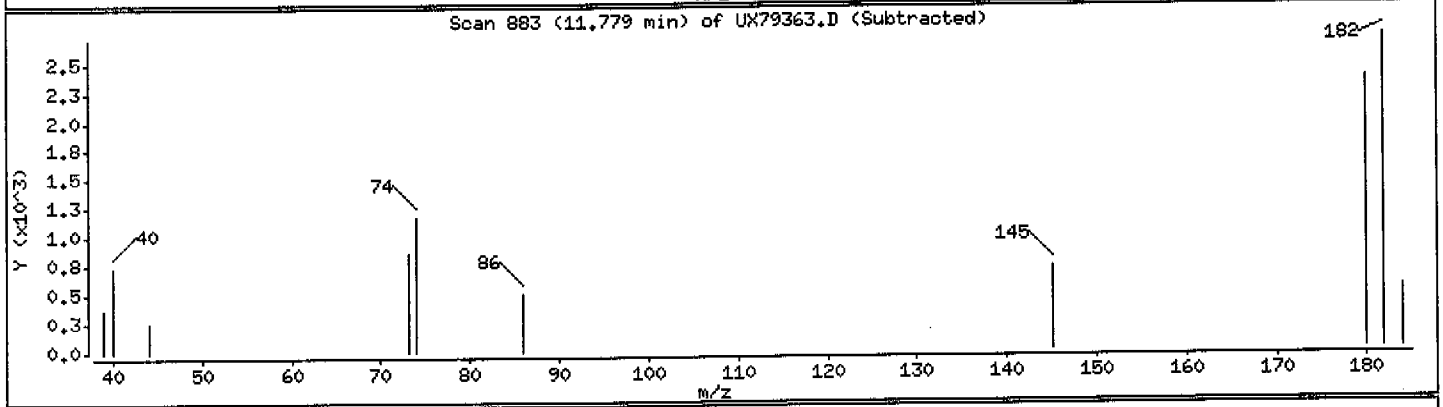
Column phase: DB624 20m

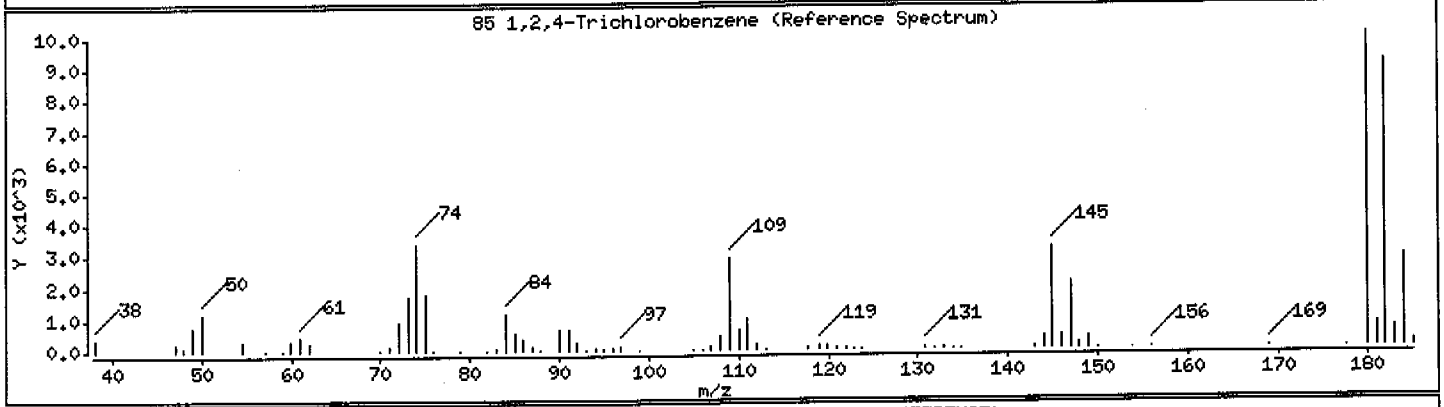
Column diameter: 0.18

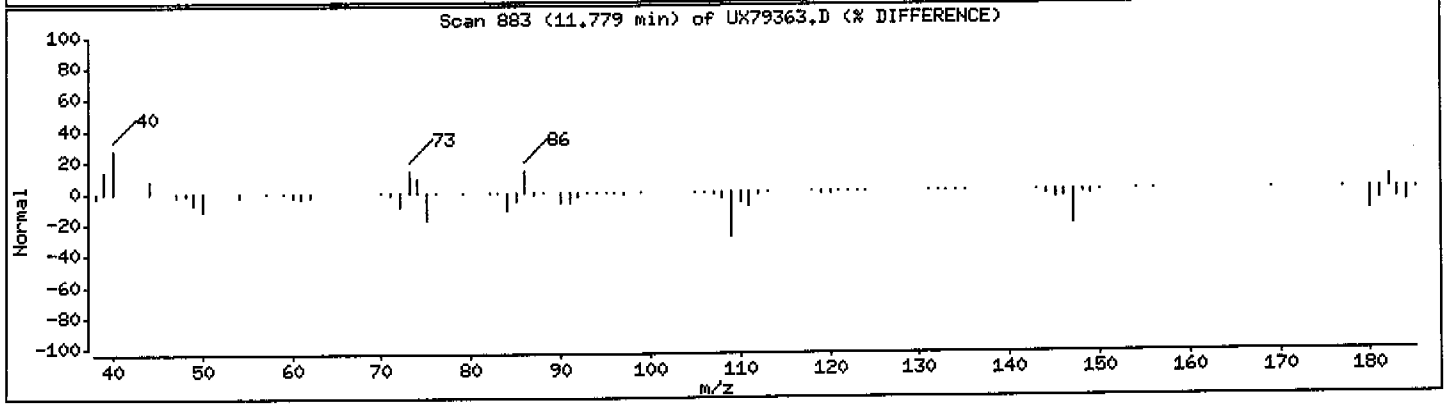
85 1,2,4-Trichlorobenzene

Concentration: 0.2848 ug/L









MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4H19207 **Work Order #...:** GNG5P1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4H190207-006 GNG5P1AD-MSD
Date Sampled...: 08/18/04 09:45 **Date Received..:** 08/19/04
Prep Date.....: 08/28/04 **Analysis Date..:** 08/28/04
Prep Batch #...: 4243253
Dilution Factor: 25 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	47	(45 - 128)			SW846 8260B
	49	(45 - 128)	4.7	(0-30)	SW846 8260B
Benzene	**85**	**(78 - 118)**			**SW846 8260B**
	92	**(78 - 118)**	**6.8**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	96	(80 - 146)			SW846 8260B
	101	(80 - 146)	5.6	(0-30)	SW846 8260B
Bromoform	112	(58 - 176)			SW846 8260B
	123	(58 - 176)	8.7	(0-30)	SW846 8260B
Bromomethane	63	(55 - 145)			SW846 8260B
	70	(55 - 145)	11	(0-30)	SW846 8260B
2-Butanone	60 a	(71 - 123)			SW846 8260B
	68 a	(71 - 123)	12	(0-30)	SW846 8260B
Carbon disulfide	79	(69 - 138)			SW846 8260B
	84	(69 - 138)	5.8	(0-41)	SW846 8260B
Carbon tetrachloride	85	(63 - 176)			SW846 8260B
	94	(63 - 176)	9.5	(0-30)	SW846 8260B
Chlorobenzene	**89**	**(76 - 117)**			**SW846 8260B**
	96	**(76 - 117)**	**7.5**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	108	(71 - 158)			SW846 8260B
	115	(71 - 158)	6.3	(0-30)	SW846 8260B
Chloroethane	68	(59 - 142)			SW846 8260B
	73	(59 - 142)	7.9	(0-30)	SW846 8260B
Chloroform	89	(83 - 141)			SW846 8260B
	100	(83 - 141)	11	(0-30)	SW846 8260B
Chloromethane	62	(40 - 137)			SW846 8260B
	70	(40 - 137)	13	(0-39)	SW846 8260B
1,1-Dichloroethane	89	(88 - 127)			SW846 8260B
	98	(88 - 127)	9.7	(0-30)	SW846 8260B
1,2-Dichloroethane	82	(71 - 160)			SW846 8260B
	91	(71 - 160)	7.0	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	43 a	(87 - 114)			SW846 8260B
	39 a	(87 - 114)	1.1	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	87	(85 - 116)			SW846 8260B
	95	(85 - 116)	7.3	(0-30)	SW846 8260B
1,1-Dichloroethene	**89**	**(62 - 130)**			**SW846 8260B**
	97	**(62 - 130)**	**8.6**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	65 a	(86 - 115)			SW846 8260B
	67 a	(86 - 115)	0.69	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4H19207 **Work Order #...:** GNG5P1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4H190207-006 GNG5P1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	88	(87 - 114)			SW846 8260B
	97	(87 - 114)	9.8	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	81 a	(82 - 130)			SW846 8260B
	90	(82 - 130)	10	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	91	(73 - 147)			SW846 8260B
	97	(73 - 147)	6.3	(0-30)	SW846 8260B
Ethylbenzene	84 a	(86 - 132)			SW846 8260B
	93	(86 - 132)	10	(0-30)	SW846 8260B
2-Hexanone	66 a	(81 - 128)			SW846 8260B
	74 a	(81 - 128)	12	(0-30)	SW846 8260B
Methylene chloride	86	(82 - 115)			SW846 8260B
	95	(82 - 115)	11	(0-30)	SW846 8260B
4-Methyl-2-pentanone	77 a	(82 - 135)			SW846 8260B
	87	(82 - 135)	11	(0-30)	SW846 8260B
Styrene	81 a	(83 - 120)			SW846 8260B
	88	(83 - 120)	7.4	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	110	(88 - 116)			SW846 8260B
	115	(88 - 116)	4.8	(0-30)	SW846 8260B
Tetrachloroethene	83 a	(85 - 121)			SW846 8260B
	84 a	(85 - 121)	0.70	(0-30)	SW846 8260B
Toluene	**92**	**(70 - 119)**			**SW846 8260B**
	100	**(70 - 119)**	**8.1**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	87	(71 - 162)			SW846 8260B
	95	(71 - 162)	8.8	(0-30)	SW846 8260B
1,1,2-Trichloroethane	89	(86 - 129)			SW846 8260B
	101	(86 - 129)	12	(0-30)	SW846 8260B
Trichloroethene	**43 a**	**(62 - 130)**			**SW846 8260B**
	42 a	**(62 - 130)**	**0.06**	**(0-20)**	**SW846 8260B**
Vinyl chloride	48 a	(88 - 126)			SW846 8260B
	49 a	(88 - 126)	1.1	(0-30)	SW846 8260B
Xylenes (total)	81 a	(89 - 121)			SW846 8260B
	86 a	(89 - 121)	5.8	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(73 - 122)
	94	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
	90	(61 - 128)
Toluene-d8	98	(76 - 110)
	98	(76 - 110)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: 4H19207 **Work Order #...:** GNG5P1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4H190207-006 GNG5P1AD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	95	(74 - 116)
	99	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 4H19207 **Work Order #...:** GNG5P1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4H190207-006 GNG5P1AD-MSD
Date Sampled...: 08/18/04 09:45 **Date Received..:** 08/19/04
Prep Date.....: 08/28/04 **Analysis Date..:** 08/28/04
Prep Batch #...: 4243253
Dilution Factor: 25 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	ND	250	120	ug/L	47		SW846 8260B
	ND	250	120	ug/L	49	4.7	SW846 8260B
Benzene	**35**	**250**	**250**	**ug/L**	**85**		**SW846 8260B**
	35	**250**	**260**	**ug/L**	**92**	**6.8**	**SW846 8260B**
Bromodichloromethane	ND	250	240	ug/L	96		SW846 8260B
	ND	250	250	ug/L	101	5.6	SW846 8260B
Bromoform	ND	250	280	ug/L	112		SW846 8260B
	ND	250	310	ug/L	123	8.7	SW846 8260B
Bromomethane	ND	250	160	ug/L	63		SW846 8260B
	ND	250	180	ug/L	70	11	SW846 8260B
2-Butanone	ND	250	150	ug/L	60 a		SW846 8260B
	ND	250	170	ug/L	68 a	12	SW846 8260B
Carbon disulfide	ND	250	200	ug/L	79		SW846 8260B
	ND	250	210	ug/L	84	5.8	SW846 8260B
Carbon tetrachloride	ND	250	210	ug/L	85		SW846 8260B
	ND	250	230	ug/L	94	9.5	SW846 8260B
Chlorobenzene	**ND**	**250**	**220**	**ug/L**	**89**		**SW846 8260B**
	ND	**250**	**240**	**ug/L**	**96**	**7.5**	**SW846 8260B**
Dibromochloromethane	ND	250	270	ug/L	108		SW846 8260B
	ND	250	290	ug/L	115	6.3	SW846 8260B
Chloroethane	ND	250	170	ug/L	68		SW846 8260B
	ND	250	180	ug/L	73	7.9	SW846 8260B
Chloroform	ND	250	220	ug/L	89		SW846 8260B
	ND	250	250	ug/L	100	11	SW846 8260B
Chloromethane	ND	250	150	ug/L	62		SW846 8260B
	ND	250	180	ug/L	70	13	SW846 8260B
1,1-Dichloroethane	7.3	250	230	ug/L	89		SW846 8260B
	7.3	250	250	ug/L	98	9.7	SW846 8260B
1,2-Dichloroethane	93	250	300	ug/L	82		SW846 8260B
	93	250	320	ug/L	91	7.0	SW846 8260B
cis-1,2-Dichloroethene	820	250	930	ug/L	43 a		SW846 8260B
	820	250	920	ug/L	39 a	1.1	SW846 8260B
trans-1,2-Dichloroethene	26	250	240	ug/L	87		SW846 8260B
	26	250	260	ug/L	95	7.3	SW846 8260B
1,1-Dichloroethene	**ND**	**250**	**220**	**ug/L**	**89**		**SW846 8260B**
	ND	**250**	**240**	**ug/L**	**97**	**8.6**	**SW846 8260B**
1,2-Dichloroethene (total)	850	500	1200	ug/L	65 a		SW846 8260B
	850	500	1200	ug/L	67 a	0.69	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 4H19207 **Work Order #...:** GNG5P1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4H190207-006 GNG5P1AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dichloropropane	ND	250	220	ug/L	88		SW846 8260B
	ND	250	240	ug/L	97	9.8	SW846 8260B
cis-1,3-Dichloropropene	ND	250	200	ug/L	81 a		SW846 8260B
	ND	250	220	ug/L	90	10	SW846 8260B
trans-1,3-Dichloropropene	ND	250	230	ug/L	91		SW846 8260B
	ND	250	240	ug/L	97	6.3	SW846 8260B
Ethylbenzene	ND	250	210	ug/L	84 a		SW846 8260B
	ND	250	230	ug/L	93	10	SW846 8260B
2-Hexanone	ND	250	160	ug/L	66 a		SW846 8260B
	ND	250	180	ug/L	74 a	12	SW846 8260B
Methylene chloride	ND	250	210	ug/L	86		SW846 8260B
	ND	250	240	ug/L	95	11	SW846 8260B
4-Methyl-2-pentanone	ND	250	190	ug/L	77 a		SW846 8260B
	ND	250	220	ug/L	87	11	SW846 8260B
Styrene	ND	250	200	ug/L	81 a		SW846 8260B
	ND	250	220	ug/L	88	7.4	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	250	270	ug/L	110		SW846 8260B
	ND	250	290	ug/L	115	4.8	SW846 8260B
Tetrachloroethene	7.3	250	210	ug/L	83 a		SW846 8260B
	7.3	250	220	ug/L	84 a	0.70	SW846 8260B
Toluene	**ND**	**250**	**230**	**ug/L**	**92**		**SW846 8260B**
	ND	**250**	**250**	**ug/L**	**100**	**8.1**	**SW846 8260B**
1,1,1-Trichloroethane	ND	250	220	ug/L	87		SW846 8260B
	ND	250	240	ug/L	95	8.8	SW846 8260B
1,1,2-Trichloroethane	ND	250	220	ug/L	89		SW846 8260B
	ND	250	250	ug/L	101	12	SW846 8260B
Trichloroethene	**460**	**250**	**560**	**ug/L**	**43 a**		**SW846 8260B**
	460	**250**	**560**	**ug/L**	**42 a**	**0.06**	**SW846 8260B**
Vinyl chloride	240	250	360	ug/L	48 a		SW846 8260B
	240	250	360	ug/L	49 a	1.1	SW846 8260B
Xylenes (total)	ND	750	610	ug/L	81 a		SW846 8260B
	ND	750	650	ug/L	86 a	5.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(73 - 122)
	94	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
	90	(61 - 128)
Toluene-d8	98	(76 - 110)
	98	(76 - 110)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: 4H19207 **Work Order #...:** GNG5P1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4H190207-006 GNG5P1AD-MSD

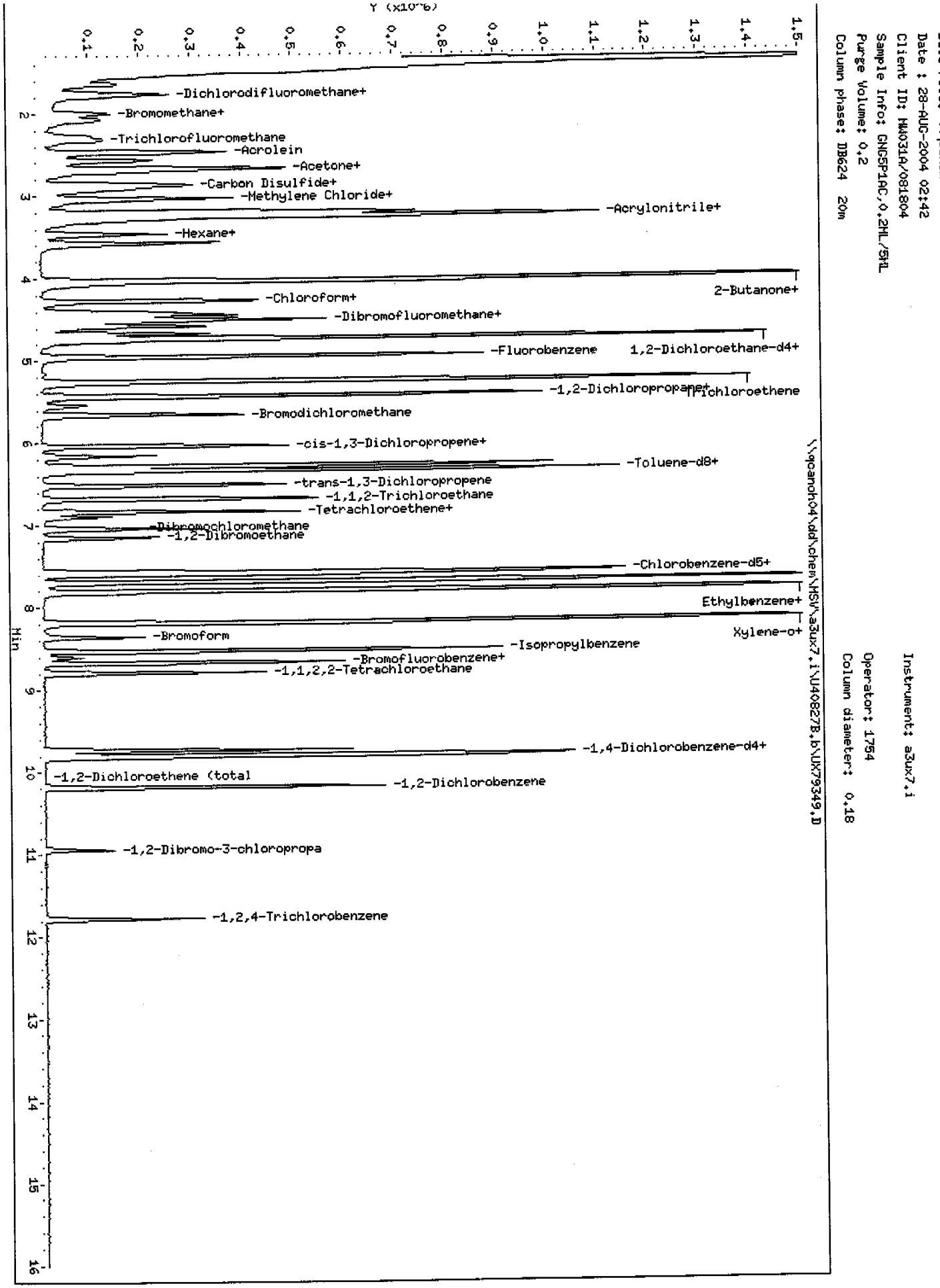
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	95	(74 - 116)
	99	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.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Date : 28-AUG-2004 02:42
Client ID: MW031A/081804
Sample Info: GNC5P1AC,0.2ML/5ML
Purge Volume: 0.2
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
2-Butanone+
-Chloroform+
-Dibromofluoromethane+
-Fluorobenzene
1,2-Dichloroethane-d4+
-1,2-Dichloropropane+
Trichloroethene
-Bromodichloromethane
-cis-1,3-Dichloropropene+
-Toluene-d8+
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene+
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
Ethylbenzene+
Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene+
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4+
-1,2-Dichloroethene (total
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanch04\dd\chem\MSV\a3ux7.i\U408278.b\UX79349.D

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79349.D
Lab Smp Id: GNG5P1AC
Client Smp ID: MW031A/081804
Inj Date : 28-AUG-2004 02:42
Operator : 1754
Inst ID: a3ux7.i
Smp Info : GNG5P1AC,0.2ML/5ML
Misc Info : U40827B,N8260UX7-3,1-8260.SUB,1754,3,,MS
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 31-Aug-2004 14:02 roachc
Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56
Cal File: UX77665.D
Als bottle: 18
QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.200	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.953	4.952	(1.000)	890562	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.567	(1.000)	585798	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	222842	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	186592	47.0695	235.35
$ 5 1,2-Dichloroethane-d4	65	4.669	4.668	(0.943)	288357	48.5889	242.94
$ 6 Toluene-d8	98	6.278	6.277	(0.830)	740913	49.0699	245.35
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	228998	47.5640	237.82
8 Dichlorodifluoromethane	85	1.592	1.592	(0.322)	112667	23.8896	119.45
9 Chloromethane	50	1.639	1.651	(0.331)	236342	30.9252	154.62
10 Vinyl Chloride	62	1.758	1.757	(0.355)	521370	71.7947	358.97
11 Bromomethane	94	1.994	1.994	(0.403)	164618	31.4985	157.49
12 Chloroethane	64	2.077	2.077	(0.419)	183837	33.7674	168.84
13 Trichlorofluoromethane	101	2.314	2.313	(0.467)	289941	39.5850	197.92
15 Acrolein	56	2.562	2.574	(0.517)	334167	387.732	1938.6
16 Acetone	43	2.681	2.680	(0.541)	71910	23.4840	117.42
17 1,1-Dichloroethene	96	2.669	2.668	(0.539)	193416	44.2970	221.48
18 Freon-113	151	2.681	2.680	(0.541)	107418	40.2998	201.50
19 Iodomethane	142	Compound Not Detected.					

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Report Date: 31-Aug-2004 14:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.858	2.858	(0.577)	690902	39.4287	197.14
	21 Methylene Chloride	84	3.036	3.035	(0.613)	253161	42.8078	214.04
	22 Acetonitrile	41	2.894	2.893	(0.584)	266509	447.197	2236.0
	23 Acrylonitrile	53	3.201	3.201	(0.646)	871683	442.282	2211.4
	24 Methyl tert-butyl ether	73	3.249	3.248	(0.656)	794468	68.1293	340.65
	25 trans-1,2-Dichloroethene	96	3.249	3.248	(0.656)	247148	48.8857	244.43
	26 Hexane	86	3.462	3.461	(0.699)	25557	30.9731	154.86
	27 Vinyl acetate	43	3.592	3.591	(0.725)	2766	2.22887	11.144
	28 1,1-Dichloroethane	63	3.568	3.568	(0.720)	420876	45.9017	229.51
	29 tert-Butyl Alcohol	59	3.095	3.094	(0.625)	7942	57.5039	287.52
	30 2-Butanone	43	4.018	4.017	(0.811)	81775	30.1334	150.67
M	31 1,2-Dichloroethene (total)	96				1170985	234.642	1173.2
	32 cis-1,2-dichloroethene	96	4.030	4.029	(0.814)	923837	185.757	928.78
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.266	4.266	(0.861)	394221	44.6588	223.29
	36 Tetrahydrofuran	42	4.266	4.254	(0.861)	4855	3.94418	19.721
	37 1,1,1-Trichloroethane	97	4.444	4.443	(0.897)	307824	43.5265	217.63
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.574	4.585	(0.924)	233298	42.6682	213.34
	40 1,2-Dichloroethane	62	4.728	4.727	(0.955)	454368	59.6196	298.10
	41 Benzene	78	4.740	4.739	(0.957)	1046900	49.4858	247.43
	42 Trichloroethene	130	5.260	5.260	(1.062)	486396	112.919	564.59(R)
	43 1,2-Dichloropropane	63	5.438	5.437	(1.098)	228837	44.1419	220.71
	44 1,4-Dioxane	88	5.544	5.532	(1.119)	86438	2332.04	11660(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.663	5.662	(1.143)	304908	47.9054	239.53
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	6.041	6.041	(1.220)	293705	40.5130	202.56
	49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	161660	38.5820	192.91
	50 Toluene	91	6.337	6.337	(0.837)	907215	46.1230	230.62
	51 trans-1,3-Dichloropropene	75	6.514	6.514	(0.861)	281206	45.4305	227.15
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.680	6.680	(0.883)	187527	44.5614	222.81
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.834	6.834	(0.903)	116349	42.9988	214.99
	56 2-Hexanone	43	6.893	6.893	(0.911)	102148	32.8965	164.48
	57 Dibromochloromethane	129	7.035	7.035	(0.930)	184759	53.8474	269.24
	58 1,2-Dibromoethane	107	7.142	7.141	(0.944)	177821	47.9465	239.73
	59 Chlorobenzene	112	7.603	7.603	(1.005)	529153	44.7170	223.58
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.698	7.697	(1.017)	263786	41.7682	208.84
	62 m + p-Xylene	106	7.804	7.804	(1.031)	655440	81.2066	406.03
M	63 Xylenes (total)	106				971923	121.855	609.28
	64 Xylene-o	106	8.183	8.182	(1.081)	316483	40.6485	203.24
	65 Styrene	104	8.183	8.182	(1.081)	569820	40.7419	203.71
	66 Bromoform	173	8.360	8.360	(1.105)	96506	56.1669	280.83

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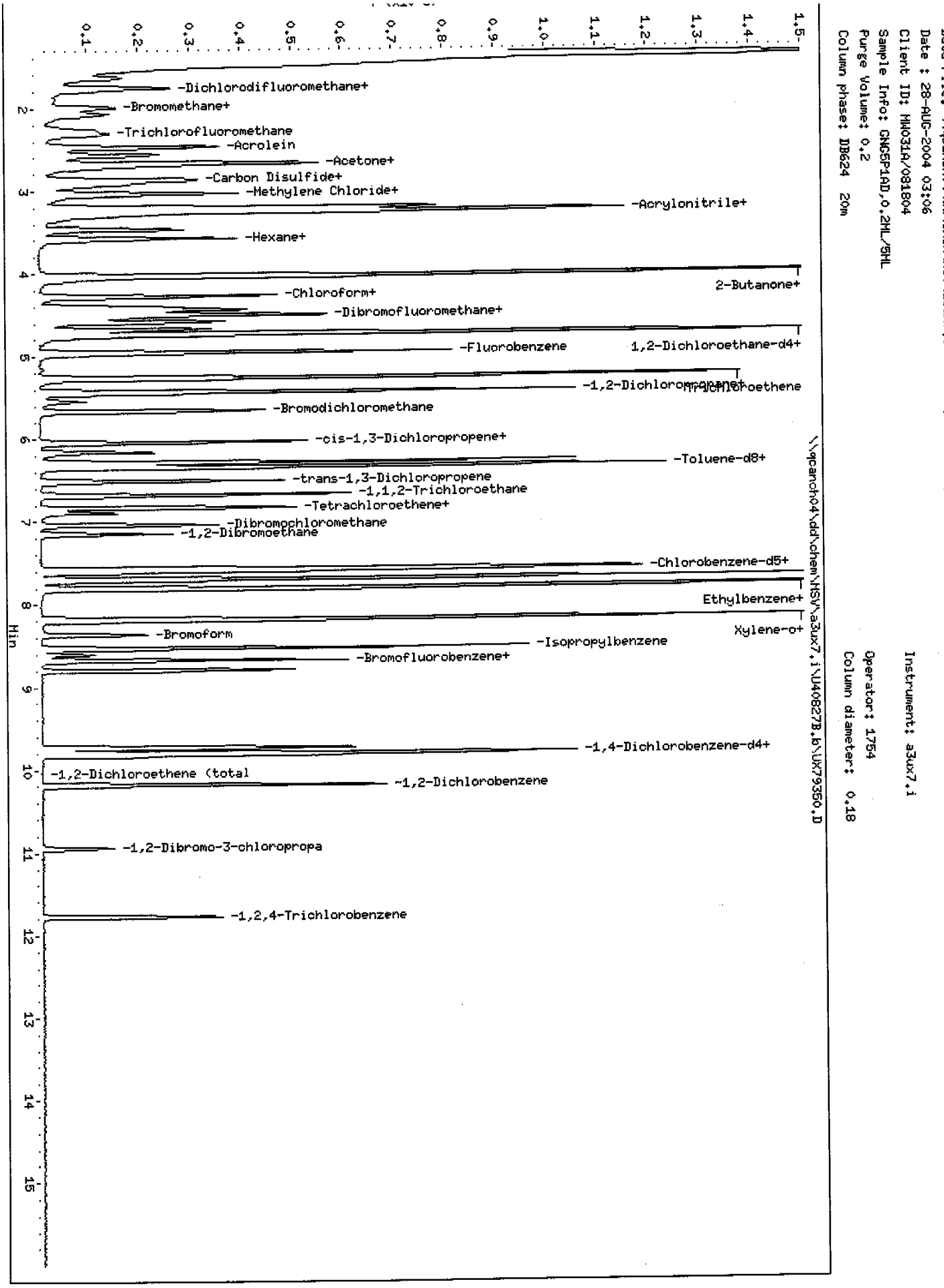
Report Date: 31-Aug-2004 14:12

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
67 Isopropylbenzene	105	8.526	8.526	(1.127)	613604	39.9063	199.53
68 1,1,2,2-Tetrachloroethane	83	8.798	8.798	(0.898)	258984	54.7773	273.89
69 1,4-Dichloro-2-butene	53	8.597	8.845	(0.878)	2412	1.57651	7.882
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.733	9.733	(0.994)	269430	43.9659	219.83
81 1,4-Dichlorobenzene	146	9.816	9.815	(1.002)	308365	46.9999	235.00
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.183	10.182	(1.040)	291239	46.9848	234.92
84 1,2-Dibromo-3-chloropropane	157	10.940	10.940	(1.117)	32249	51.7744	258.87
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	90199	34.5861	172.93
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	4.502	(0.909)	344374	45.1550	225.77
143 Methyl Acetate	43	2.941	2.929	(0.594)	150938	43.8667	219.33
144 Methylcyclohexane	83	5.438	5.437	(1.098)	177736	31.1172	155.58
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.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Date : 28-AUG-2004 03:06
Client ID: MW031A/081804
Sample Info: GNG5P1AD,0.2ML/5ML
Purge Volume: 0.2
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
\\qcanch04\dd\chem\MSV\a3ux7.i\U408278.b\UX79350.D
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
2-Butanone+
-Chloroform+
-Dibromofluoromethane+
-Fluorobenzene
1,2-Dichloroethane-d4+
-1,2-Dichloropropane+
-Trichloroethene
-Bromodichloromethane
-cis-1,3-Dichloropropene+
-Toluene-d8+
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene+
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
Ethylbenzene+
Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene+
-1,4-Dichlorobenzene-d4+
-1,2-Dichloroethene (total
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
Min

Data File: \\qcanon04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79350.D
Report Date: 31-Aug-2004 14:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\UX79350.D
Lab Smp Id: GNG5P1AD
Client Smp ID: MW031A/081804
Inj Date : 28-AUG-2004 03:06
Operator : 1754
Inst ID: a3ux7.i
Smp Info : GNG5P1AD,0.2ML/5ML
Misc Info : U40827B,N8260UX7-3,1-8260.SUB,1754,3,,MSD
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40827B.b\N8260UX7-3.m
Meth Date : 31-Aug-2004 14:02 roachc
Quant Type: ISTD
Cal Date : 15-JUL-2004 14:56
Cal File: UX77665.D
Als bottle: 19
QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.200	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)	884176	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.567	(1.000)	583387	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.792	(1.000)	228323	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.396	(0.888)	185094	47.0289	235.14
$ 5 1,2-Dichloroethane-d4	65	4.671	4.668	(0.943)	266527	45.2349	226.17
$ 6 Toluene-d8	98	6.280	6.277	(0.830)	738879	49.1374	245.69
$ 7 Bromofluorobenzene	95	8.671	8.668	(1.145)	237443	49.5219	247.61
8 Dichlorodifluoromethane	85	1.583	1.592	(0.319)	121735	25.9988	129.99
9 Chloromethane	50	1.642	1.651	(0.331)	267246	35.2350	176.18
10 Vinyl Chloride	62	1.760	1.757	(0.355)	523063	72.5865	362.93
11 Bromomethane	94	1.985	1.994	(0.401)	185287	35.1992	176.00
12 Chloroethane	64	2.068	2.077	(0.417)	198520	36.5560	182.78
13 Trichlorofluoromethane	101	2.293	2.313	(0.463)	304116	41.8202	209.10
15 Acrolein	56	2.565	2.574	(0.518)	370206	432.650	2163.2
16 Acetone	43	2.683	2.680	(0.542)	74101	24.6223	123.11
17 1,1-Dichloroethene	96	2.671	2.668	(0.539)	209278	48.2760	241.38
18 Freon-113	151	2.683	2.680	(0.542)	120818	45.6544	228.27
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanon04\dd\chem\MSV\a3ux7.i\040827b.b\ca7[illegible]
Report Date: 31-Aug-2004 14:13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.861	2.858	(0.577)	727297	41.8054	209.03
	21 Methylene Chloride	84	3.026	3.035	(0.611)	277327	47.6351	238.18
	22 Acetonitrile	41	2.896	2.893	(0.585)	293542	496.115	2480.6
	23 Acrylonitrile	53	3.204	3.201	(0.647)	961698	491.479	2457.4
	24 Methyl tert-butyl ether	73	3.251	3.248	(0.656)	834817	72.1065	360.53
	25 trans-1,2-Dichloroethene	96	3.251	3.248	(0.656)	263967	52.5896	262.95
	26 Hexane	86	3.464	3.461	(0.699)	29686	35.5835	177.92
	27 Vinyl acetate	43	3.571	3.591	(0.721)	3172	2.27742	11.387
	28 1,1-Dichloroethane	63	3.571	3.568	(0.721)	460323	50.5664	252.83
	29 tert-Butyl Alcohol	59	3.097	3.094	(0.625)	8665	59.8856	299.43
	30 2-Butanone	43	4.020	4.017	(0.811)	91994	34.1439	170.72
M	31 1,2-Dichloroethene (total)	96				1170950	236.274	1181.4
	32 cis-1,2-dichloroethene	96	4.032	4.029	(0.814)	906983	183.685	918.42
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.269	4.266	(0.862)	436278	49.7801	248.90
	36 Tetrahydrofuran	42	4.269	4.254	(0.862)	4707	3.85157	19.258
	37 1,1,1-Trichloroethane	97	4.435	4.443	(0.895)	333913	47.5565	237.78
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.577	4.585	(0.924)	254678	46.9148	234.57
	40 1,2-Dichloroethane	62	4.730	4.727	(0.955)	483799	63.9399	319.70
	41 Benzene	78	4.730	4.739	(0.955)	1112939	52.9873	264.94
	42 Trichloroethene	130	5.251	5.260	(1.060)	482579	112.842	564.21(R)
	43 1,2-Dichloropropane	63	5.429	5.437	(1.096)	250585	48.6862	243.43
	44 1,4-Dioxane	88	5.535	5.532	(1.117)	88207	2392.02	11960(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.653	5.662	(1.141)	320339	50.6934	253.47
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	6.032	6.041	(1.217)	322946	44.8682	224.34
	49 4-Methyl-2-pentanone	43	6.162	6.159	(1.244)	183480	43.2591	216.30
	50 Toluene	91	6.340	6.337	(0.837)	979711	50.0146	250.07
	51 trans-1,3-Dichloropropene	75	6.517	6.514	(0.861)	298176	48.3712	241.86
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.671	6.680	(0.881)	210919	50.3271	251.64
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.837	6.834	(0.903)	116695	43.3049	216.52
	56 2-Hexanone	43	6.896	6.893	(0.911)	117281	36.9154	184.58
	57 Dibromochloromethane	129	7.038	7.035	(0.930)	195951	57.3453	286.73
	58 1,2-Dibromoethane	107	7.144	7.141	(0.944)	187161	50.6734	253.37
	59 Chlorobenzene	112	7.594	7.603	(1.003)	567941	48.1932	240.96
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.700	7.697	(1.017)	294071	46.3815	231.91
	62 m + p-Xylene	106	7.807	7.804	(1.031)	696761	86.3302	431.65
M	63 Xylenes (total)	106				1030403	129.188	645.94
	64 Xylene-o	106	8.174	8.182	(1.080)	333642	42.8578	214.29
	65 Styrene	104	8.186	8.182	(1.081)	614965	43.8693	219.35
	66 Bromoform	173	8.363	8.360	(1.105)	105991	61.3030	306.52

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.1\040827B.B\[illegible]
Report Date: 31-Aug-2004 14:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
67 Isopropylbenzene	105	8.529	8.526	(1.127)	658958	42.7278	213.64
68 1,1,2,2-Tetrachloroethane	83	8.789	8.798	(0.897)	278478	57.4865	287.43
69 1,4-Dichloro-2-butene	53	8.600	8.845	(0.878)	2874	1.83338	9.167
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	9.736	9.733	(0.994)	276138	43.9789	219.89
81 1,4-Dichlorobenzene	146	9.818	9.815	(1.002)	325847	48.4723	242.36
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.185	10.182	(1.040)	313316	49.3331	246.66
84 1,2-Dibromo-3-chloropropane	157	10.943	10.940	(1.117)	38548	60.4015	302.01
85 1,2,4-Trichlorobenzene	180	11.783	11.780	(1.203)	117811	44.0893	220.45
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.506	4.502	(0.909)	346531	45.7200	228.60
143 Methyl Acetate	43	2.932	2.929	(0.592)	162886	47.6810	238.40
144 Methylcyclohexane	83	5.429	5.437	(1.096)	198146	34.4587	172.29
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

SEVERN TRENT STL

MISCELLANEOUS DATA

UX7
Batch # _____

STL-North Canton
GC/MS VOA Run Log

Date: 7-15-04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V 2074 SS # V 2061		Heated purge: Yes No

			4BFB 327		Direct Inject	08:54	OK
1	5.0 Ng Cal 8260		UX77653	5 Ng	V2062,65 V2067,63	1 Cal Passed	OK
2	10		54	10 Ng			OK
3	25		55	25 Ng			OK
4	50		56	50 Ng			OK
5	100		57	100 Ng			OK
6	200		58	200 Ng			OK
7	50 Ng ICV		59	50 Ng	V 2070	2nd Source OK Check for Army list	OK
8	5 Ng 79		UX77660	5 Ng	V 2067,68		OK
9	10 Ng		61	10 Ng			OK
10	25 Ng		62	25 Ng			OK
11	50 Ng		63	50 Ng			OK
12	100 Ng		64	100 Ng			OK
13	200 Ng		65	200 Ng			OK

Analyst: CMR
Level 2 review: TC

CMR
7-15-04 88

UX7
Batch # H23 616H

STL-North Canton
GC/MS VOA Run Log

8/20

Date: 8-21-04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V2163 SS # V2184		Heated purge: Yes No

	BFB	BFB 380	50ng	Direct Inject	0:7:56	OK
1	8260 Cal	UX7 9038	5 Ng	V2180 76 82,93		OK
2	↓	39	10 ng	↓		OK
3		40	25 ng			OK
4		41	50 ng			OK
5		42	100 ng			OK
6		43	200 ng			OK
7	ICV	44	50ng	V2165 94	CMR 8-23-04 ICV passes	OK
8	19 Cal	45	50ng	V2152 2181	U40715	OK
9	LCS	46	↓	V2165	Gnn32-1AC	OK
10	Vol Blank	47	5ml		↓ -1AA	OK
11	LCSD	48	50ng	V2165	↓ -1AD	OK
12	GM1D8-1AA	49	0.25ml			OK
13	GM1D9-1AA	50	0.165ml			OK
14	GM1EA-1AA	51	0.1ml			OK
15	GM1EC-1AA	52	0.25ml			OK
16	GM1EE-1AA	53	5ml		Burn ↓↑	-
17	GM1M4-1AA	54	↓		TIC	OK
18	GM1M5-1AA	55	4ml			OK
19	GM1M6-1AA	56	2.5ml			OK
20	GM1M9-1AA	57	1.25ml			OK
21	GM1NA-1AA	58	↓			OK
22	GM1NC-1AA	59	1.5ml			OK
23	GM1TG-1AA	60	0.0025ml		RR 8 ml	-
24	↓ MS	61	↓			-
25	↓ MSD	62	↓			-
26	GM1TM-1AA	63	0.25ml			OK
27	GM1TP-1AA	64	0.01ml			OK
28	GMHH6-1AA	65	0.35ml			OK
29	GMHGH-1AA	66	5ml			OK
30	GM4RD-1AA	67	0.625ml		19:30	OK

Analyst: CMR
Level 2 review: SAM

CMR 8-23-04

40

190 ... 190 ...
190315 190 229
190 231

UX7
Batch # H2H 3253

STL-North Canton
GC/MS VOA Run Log

9/1

Date: 9-27-04
(B)

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold – min	to – C @ – C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V2221 SS # V2222		Heated purge: Yes No

	BFB		BFB 390	50ng	Direct Inject	19:43	OK
1	A9Vol		UX79332		V2191 V2205	UH0715	OK
2	Vol Cal		33		V2196 V2214-15	UH0921	OK
3	LC2		34		V219H	GN7MP-1AC	OK
4	LCSD		35			1AD	OK
5	Vol Blank		36	5ml		1AA	OK
6	GNFFK-1AA		37	0.1ml			OK
7	GNE93-1AK	ED	38	0.25ml			OK
8	GNEG8-1AA		39	2.5ml			OK
9	GNE8T-1AK		40	x 10 0.006ml		RR 6x100	–
10	GNE8D-1AK	m ED	41	5ml			OK
11	GNE90-1AK		42				OK
12	GNG5C-1AA	ED	43	5ml			OK
13	GNG5G-1AA		44				OK
14	GNG5H-1AA		45				OK
15	GNG5L-1AA		46				OK
16	GNG5N-1AA		47	0.75ml			OK
17	GNG5P-1AA		48	0.2ml			OK
18	1AC MS		49	+50ng	V219H		OK
19	1AD MSD		50				OK
20	GNG5Q-1AA		51	2.5ml		RR 5ml	–
21	GNG5R-1AA	ED	52	0.175ml			OK
22	GNG5T-1AA		53	5ml			OK
23	GNG5V-1AA		54				OK
24	GNG5W-1AA		55	0.2ml			OK
25	GNG5X-1AA		56	5ml			OK
26	GNG9H-1AA		57				OK
27	GNHAP-1AA		58	0.012ml			OK

0722

Analyst: CMR
Level 2 review: SMM

CMR
9-30-04

190201 200217
190315 200224
200225

UX7
Batch # H2HH112

STL-North Canton
GC/MS VOA Run Log

9/3

Date: 4-30-04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold — min	to — C @ — C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # 2221 SS # 2222		Heated purge: Yes No

	BFB		BFB 39	50 ng	Direct Inject	07:52	OK
1	A9 Col		UX7 9359		V2191 V2205	UH0715	OK
2	Vol Col		60		V2196 V221H, 15	UH0821	OK
3	LCS		61		V219H	GN82H-1AC	OK
4	LCSD		62			-1AD	OK
5	Vol Blank		63	5ml		-1AA	OK
6	GNG5Q-1AA		64			RR 2.5ml	–
7	GNE8T-1AK		65	x 100 0.006ml		RR 4ml x 10	–
8	GNFAC-1AK		66	0.0025ml		RR 0.5ml	–
9	GNG5Q-1AA	ED	67	2.5ml			OK
10	GNE8T-1AK	ED	68	x 10 0.004ml			OK
11	GNK29-1AA	CMR ED 4-31-04	69	5ml			OK
12	GNK4W-1AA		70				OK
13	GNK5g-1AA		71	0.001ml		RR 4ml	–
14	GNK6R-1AC	CMR 4-30-04	72			RR 3ml	–
15	GNK78-1AA		73			RR 1/2ml	–
16	GNK8X-1AA ~~GNK6R-1AC~~	ED	74				OK
17	GNK5g-1AC ~~GNK78-1AA~~		75	0.004ml 50ng	V219H		OK
18	1AD		76				OK
19	GNFAC-1AK	ED	77	x 10 0.005ml			OK
20	GNK5g-1AA	ED	78	0.004ml			OK
21	GNK17-1AP		79	5ml			OK
22	GNK19-1AX		80	1.5ml			OK
23	GNK2F-1AX		81	5ml			OK
24	GNK2H-1AX		82				OK
25	GNK2N-1AX		83				OK
26	GNK2T-1AD		84				OK
27	GNK2H-1AA		85				OK
28	GNK22-1AA		UX7 9386				OK
29	GNK3A-1AA		87				OK 9285
30	GNK3D-1AA		88			RR Out of Tune 20:04	~~OK~~

Analyst: CMR
Level 2 review: SMR

CMR 4-31-04

PSL205 Severn Trent Laboratories, Inc System Date: 8/19/04 12:04:58
Page 1 Local Date: 8/19/04 14:04:58

MSVOC Lot Summary - A4H190207

CLIENT: 5670 PAYNE FIRM INC. SDG: 4H19207 44/45 Date Received: 8/19/04
PROJECT MANAGER: Roger K. Toth Date Analysis Due: 9/08/04 N
SITE: EMD RCRA VA Date Report Due: 9/14/04
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-	GNG5C-1AA	XX I 25 QK 01 MS8260LL		8/18/04 10:46	9/01/04	Y	MW042/081804 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H19207. AP9 Compounds
002-	GNG5G-1AA	XX I 25 QK 01 MS8260LL		8/18/04 12:52	9/01/04	Y	MW044/081804 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H19207. AP9 Compounds
003-	GNG5H-1AA	XX I 25 QK 01 MS8260LL		8/18/04 14:20	9/01/04	Y	MW043A/081804 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H19207. AP9 Compounds
004-	GNG5L-1AA	XX I 25 QK 01 MS8260LL		8/18/04 14:12	9/01/04	Y	MW030/081804 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H19207. AP9 Compounds
005-	GNG5N-1AA	XX I 25 QK 01 MS8260LL		8/18/04 11:08	9/01/04	Y	P001/081804 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H19207. AP9 Compounds
006-	GNG5P-1AA	XX I 25 QK 01 MS8260LL		8/18/04 9:45	9/01/04	Y	MW031A/081804 Q: CLP MSVOA TCL Standard List EMS REQ THIS SAM, EXP.DEL. SDG #4H19207. AP9 Compounds
006-D	"	-1AD XX I 25 QK 01 MS8260LL		8/18/04	9/01/04	Y	AP9 Compounds
006-S	"	-1AC XX I 25 QK 01 MS8260LL		8/18/04	9/01/04	Y	AP9 Compounds
007-	GNG5Q-1AA	XX I 25 QK 01 MS8260LL		8/18/04 9:39	9/01/04	Y	MW031D/081804 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H19207. AP9 Compounds
008-	GNG5R-1AA	XX I 25 QK 01 MS8260LL		8/18/04 9:55	9/01/04	Y	MW031C/081804 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H19207. AP9 Compounds
009-	GNG5T-1AA	XX I 25 QK 01 MS8260LL		8/18/04 14:55	9/01/04	Y	F006/081804 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H19207. AP9 Compounds
010-	GNG5V-1AA	XX I 25 QK 01 MS8260LL		8/18/04 11:00	9/01/04	Y	FB02/081804 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H19207. AP9 Compounds
011-	GNG5W-1AA	XX I 25 QK 01 MS8260LL		8/18/04	9/01/04	Y	DUP01/081804 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H19207. AP9 Compounds

PH = 1

3

9

3

44/45

MSVOC Lot Summary - A4H190207

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

SDG: 4H19207

45

Date Received: 8/19/04
Date Analysis Due: 9/08/04 N
Date Report Due: 9/14/04
Turnaround Time: 20

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
012	GNG5X-1AA	XX I 25 QK 01 MS8260LL		8/18/04	9/01/04	Y	TB03/081804 Q: CLP MSVOA TCL Standard List EMS REQ CLT SPEC, EXP.DEL. SDG #4H19207. AP9 Compounds

2

PH=1

09/15/04 11:05:42 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A4H190207	1	GNG5C1AA	MS8260LL	8/28/04	Carolynne Roach
A4H190207	2	GNG5G1AA	MS8260LL	8/28/04	Carolynne Roach
A4H190207	3	GNG5H1AA	MS8260LL	8/28/04	Carolynne Roach
A4H190207	4	GNG5L1AA	MS8260LL	8/28/04	Carolynne Roach
A4H190207	5	GNG5N1AA	MS8260LL	8/28/04	Carolynne Roach
A4H190207	6	GNG5P1AA	MS8260LL	8/28/04	Carolynne Roach
A4H190207	7	GNG5Q1AA	MS8260LL	8/30/04	Carolynne Roach
A4H190207	8	GNG5R1AA	MS8260LL	8/28/04	Carolynne Roach
A4H190207	9	GNG5T1AA	MS8260LL	8/28/04	Carolynne Roach
A4H190207	10	GNG5V1AA	MS8260LL	8/28/04	Carolynne Roach
A4H190207	11	GNG5W1AA	MS8260LL	8/28/04	Carolynne Roach
A4H190207	12	GNG5X1AA	MS8260LL	8/28/04	Carolynne Roach

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

END OF REPORT