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SEVERN TRENT STL

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North Canton, OH 44720

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ANALYTICAL REPORT

PROJECT NO. 100.58.19

EMD/OHIO

Lot #: A4I240108

Angela Hurley

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

SEVERN TRENT LABORATORIES, INC.

Roger K. Toth

Roger K. Toth
Project Manager

September 30, 2004

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE

A4I240108

The following report contains the analytical results for six water samples and one quality control sample submitted to STL North Canton by The Payne Firm, Inc. from the EMD/Ohio Site, project number 100.58.19. The samples were received September 24, 2004, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Angela Hurley and Kevin Kallini on September 28, 2004. A summary of QC data for these analyses is included at the back of the report.

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

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

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

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

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 2.9°C.

CASE NARRATIVE (continued)

GC/MS VOLATILES

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

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

The matrix spike/matrix spike duplicate(s) for VE536/06-11/092304 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

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

QC BATCH

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

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

LABORATORY CONTROL SAMPLE

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

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

METHOD BLANK

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

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

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

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

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

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

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

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

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

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

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

SURROGATE COMPOUNDS

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

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

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

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

STL North Canton Certifications and Approvals:

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

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SEVERN TRENT STL

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A4I240108

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
VE536/06-11/092304 09/23/04 10:55 001				
1,2-Dichloroethane	2400	83	ug/L	SW846 8260B
1,4-Dioxane	1800 J	4200	ug/L	SW846 8260B
Methylene chloride	36 J,B	83	ug/L	SW846 8260B
VE536/12-17/092304 09/23/04 10:58 002				
Acetone	3.7 J	20	ug/L	SW846 8260B
2-Butanone	1.0 J	20	ug/L	SW846 8260B
1,2-Dichloroethane	68	2.0	ug/L	SW846 8260B
1,4-Dioxane	130	100	ug/L	SW846 8260B
Methylene chloride	0.66 J,B	2.0	ug/L	SW846 8260B
VE537/05.5-10.5/092304 09/23/04 11:04 003				
Acetone	4.9 J	10	ug/L	SW846 8260B
Benzene	0.30 J,B	1.0	ug/L	SW846 8260B
2-Butanone	1.4 J	10	ug/L	SW846 8260B
1,4-Dioxane	460	50	ug/L	SW846 8260B
VE537/12.5-17.5/092304 09/23/04 11:09 004				
Acetone	4.7 J	10	ug/L	SW846 8260B
Benzene	0.27 J,B	1.0	ug/L	SW846 8260B
2-Butanone	1.3 J	10	ug/L	SW846 8260B
1,4-Dioxane	21 J	50	ug/L	SW846 8260B
VE538/06.5-11.5/092304 09/23/04 11:14 005				
Acetone	1.3 J	10	ug/L	SW846 8260B
Benzene	0.25 J,B	1.0	ug/L	SW846 8260B
2-Butanone	0.50 J	10	ug/L	SW846 8260B
1,4-Dioxane	13 J	50	ug/L	SW846 8260B
VE538/13-18/092304 09/23/04 11:17 006				
Acetone	3.4 J	10	ug/L	SW846 8260B
Benzene	0.25 J,B	1.0	ug/L	SW846 8260B
2-Butanone	0.92 J	10	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4I240108

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TRIP BLANK/092304 09/23/04 007				
Acetone	1.1 J	10	ug/L	SW846 8260B
Benzene	0.27 J,B	1.0	ug/L	SW846 8260B
2-Butanone	0.53 J	10	ug/L	SW846 8260B
Toluene	0.20 J	1.0	ug/L	SW846 8260B

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METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A4I240108

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

References:

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

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SAMPLE SUMMARY

SAMPLE SUMMARY

A4I240108

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GQ2A9	001	VE536/06-11/092304	09/23/04	10:55
GQ2CK	002	VE536/12-17/092304	09/23/04	10:58
GQ2CM	003	VE537/05.5-10.5/092304	09/23/04	11:04
GQ2CN	004	VE537/12.5-17.5/092304	09/23/04	11:09
GQ2CP	005	VE538/06.5-11.5/092304	09/23/04	11:14
GQ2CQ	006	VE538/13-18/092304	09/23/04	11:17
GQ2CR	007	TRIP BLANK/092304	09/23/04	

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 **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: The Payne Firm, Inc.	Project Manager: Kevin Kallini	Date: 9/23/04	Chain of Custody Number: 152687
Address: 11231 Cornell Park Dr.	Telephone Number (Area Code)/Fax Number: (513)489.2255/489.2533	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45242	Site Contact: AL H	Lab Contact: R. Toth	
Project Name and Location (State): EMD/Ohio	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 100.58.19			

Analysis (Attach list if more space is needed): VOC-8260

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	#	VOC-8260
VE536/06-11/092304	9/23/04	1055		X							X			3	X
VE536/12-17/092304	9/23/04	1058		X							X			3	X
VE537/05.5-10.5/092304	9/23/04	1104		X							X			3	X
VE537/12.5-17.5/092304	9/23/04	1109		X							X			3	X
VE538/06.5-11.5/092304	9/23/04	1114		X							X			3	X
VE538/13-18/092304	9/23/04	1117		X							X			3	X
TRIP BLANK/092304	9/23/04	—		X							X			2	X

Special Instructions/ Conditions of Receipt

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

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

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

QC Requirements (Specify): Level 4

	Date	Time		Date	Time
1. Relinquished By: [signature]	9/23/04	1350	1. Received By: [signature]	9/23/04	1350
2. Relinquished By: [signature]	9/23/04	1415	2. Received By: [signature]	9/24/04	8:10
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 #: A4I240108

Case Number/SDG: 100.58.19

Storage Location: MS

Severn Trent Laboratories, Inc.
Sample Control Record

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
GQ2A9	STILLERJ	9/24/04	Yes		Storage	
GQ2CK	STILLERJ	9/24/04	Yes		Storage	
GQ2CM	STILLERJ	9/24/04	Yes		Storage	
GQ2CN	STILLERJ	9/24/04	Yes		Storage	
GQ2CP	STILLERJ	9/24/04	Yes		Storage	
GQ2CQ	STILLERJ	9/24/04	Yes		Storage	
GQ2CR	STILLERJ	9/24/04	Yes		Storage	

STL Cooler Receipt Form/Narrative **Lot Number:** ACF240108
North Canton Facility

Client: Payne Firm Project: EMD Ohio Quote#:
Cooler Received on: 9/24/04 Opened on: 9/24/04 by: (Signature)

Fedx ☐ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ Other: U.S. Cargo
STL Cooler No#_____ 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 2.9 °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 # -082404-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

SOP: NC-SC-0005, Sample Receiving
N:\QAQC\NARRATIVS\STL\Cooler Receipt STL\COOLER STL Rev43 092204.doc

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp	Method	Coolant

Discrepancies Cont.

SEVERN TRENT STL

GCMS VOLATILE DATA

SEVERN TRENT STL

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

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

Lab Code: STLCAN SDG No: 4I24108

Lot #: A4I240108

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	VE536/06-11/092304	105	106	102	92	00
02	VE536/12-17/092304	107	109	101	93	00
03	VE537/05.5-10.5/092304	103	109	102	96	00
04	VE537/12.5-17.5/092304	110	111	103	95	00
05	VE538/06.5-11.5/092304	105	104	102	91	00
06	VE538/13-18/092304	111	111	103	94	00
07	TRIP BLANK/092304	106	114	102	93	00
08	METHOD BLK. GQ8611AA	104	110	103	96	00
09	LCS GQ8611AC	106	104	107	106	00
10	VE536/06-11/092304 D	103	103	106	108	00
11	LCSD GQ8611AD	106	105	105	113	00
12	VE536/06-11/092304 S	107	105	110	110	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: 4I24108

Lot #: A4I280000 WO #: GQ8611AC
BATCH: 4272202

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	8.0	80	48- 123	
Bromomethane	10	9.5	95	64- 129	
Vinyl chloride	10	9.8	98	61- 120	
Chloroethane	10	8.3	83	66- 126	
Methylene chloride	10	9.5	95	78- 118	
Acetone	10	5.9	59	22- 200	
Carbon disulfide	10	9.8	98	73- 139	
1,1-Dichloroethene	10	11	109	63- 130	
1,1-Dichloroethane	10	10	104	86- 123	
1,2-Dichloroethene (total	20	20	99	82- 116	
Chloroform	10	9.9	99	84- 128	
1,2-Dichloroethane	10	10	103	79- 136	
2-Butanone	10	7.2	72	28- 237	
1,1,1-Trichloroethane	10	11	106	78- 140	
Carbon tetrachloride	10	11	114	75- 149	
Bromodichloromethane	10	11	108	87- 130	
1,2-Dichloropropane	10	11	106	82- 115	
cis-1,3-Dichloropropene	10	11	106	84- 130	
Trichloroethene	10	9.7	97	75- 122	
Dibromochloromethane	10	10	102	81- 138	
1,1,2-Trichloroethane	10	10	103	83- 122	
Benzene	10	9.7	97	80- 116	
trans-1,3-Dichloropropene	10	10	103	84- 130	
Bromoform	10	10	105	76- 150	
4-Methyl-2-pentanone	10	9.2	92	78- 141	
2-Hexanone	10	8.0	80	35- 200	
Tetrachloroethene	10	9.7	97	88- 113	
1,1,2,2-Tetrachloroethane	10	10	104	85- 118	
Toluene	10	10	104	74- 119	
Chlorobenzene	10	9.8	98	76- 117	
Ethylbenzene	10	9.8	98	86- 116	

(Continued on next page)

SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4I24108

Lot #: A4I280000 WO #: GQ8611AC
BATCH: 4272202

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	10	101	85- 117	
Xylenes (total)	30	30	101	87- 116	
cis-1,2-Dichloroethene	10	9.9	99	85- 113	
trans-1,2-Dichloroethene	10	10	100	79- 120	
Dichlorodifluoromethane	10	5.8	58*	70- 130	a
Trichlorofluoromethane	10	10	105	70- 130	
1,1,2-Trichloro-1,2,2-tri	10	13	132*	70- 130	a
Methyl acetate	10	10	103	70- 130	
Methyl tert-butyl ether (	10	11	105	70- 130	
Cyclohexane	10	11	108	70- 130	
Methylcyclohexane	10	11	108	70- 130	
1,2-Dibromoethane	10	10	100	70- 130	
Isopropylbenzene	10	11	108	70- 130	
1,3-Dichlorobenzene	10	9.5	95	70- 130	
1,4-Dichlorobenzene	10	9.8	98	70- 130	
1,2-Dichlorobenzene	10	9.5	95	70- 130	
1,2-Dibromo-3-chloropropa	10	10	104	70- 130	
1,2,4-Trichlorobenzene	10	9.4	94	70- 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 2 out of 49 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: 4I24108

Lot #: A4I280000 WO #: GQ8611AD
BATCH: 4272202

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	12	124*	48- 123	a p
Bromomethane	10	17	170*	64- 129	a p
Vinyl chloride	10	15	147*	61- 120	a p
Chloroethane	10	13	127*	66- 126	a p
Methylene chloride	10	11	105	78- 118	
Acetone	10	5.7	57	22- 200	
Carbon disulfide	10	12	121	73- 139	
1,1-Dichloroethene	10	13	125	63- 130	
1,1-Dichloroethane	10	11	106	86- 123	
1,2-Dichloroethene (total	20	21	106	82- 116	
Chloroform	10	10	104	84- 128	
1,2-Dichloroethane	10	10	104	79- 136	
2-Butanone	10	7.0	70	28- 237	
1,1,1-Trichloroethane	10	12	116	78- 140	
Carbon tetrachloride	10	12	123	75- 149	
Bromodichloromethane	10	11	108	87- 130	
1,2-Dichloropropane	10	10	103	82- 115	
cis-1,3-Dichloropropene	10	10	102	84- 130	
Trichloroethene	10	9.5	95	75- 122	
Dibromochloromethane	10	10	102	81- 138	
1,1,2-Trichloroethane	10	9.6	96	83- 122	
Benzene	10	10	101	80- 116	
trans-1,3-Dichloropropene	10	9.4	94	84- 130	
Bromoform	10	11	109	76- 150	
4-Methyl-2-pentanone	10	9.3	93	78- 141	
2-Hexanone	10	7.1	71	35- 200	
Tetrachloroethene	10	9.8	98	88- 113	
1,1,2,2-Tetrachloroethane	10	10	100	85- 118	
Toluene	10	9.9	99	74- 119	
Chlorobenzene	10	9.5	95	76- 117	
Ethylbenzene	10	9.8	98	86- 116	

(Continued on next page)

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4I24108

Lot #: A4I280000 WO #: GQ8611AD
BATCH: 4272202

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.8	98	85- 117	
Xylenes (total)	30	31	103	87- 116	
cis-1,2-Dichloroethene	10	10	103	85- 113	
trans-1,2-Dichloroethene	10	11	108	79- 120	
Dichlorodifluoromethane	10	8.8	88	70- 130	p
Trichlorofluoromethane	10	13	132*	70- 130	a
1,1,2-Trichloro-1,2,2-tri	10	18	184*	70- 130	a p
Methyl acetate	10	9.8	98	70- 130	
Methyl tert-butyl ether (	10	12	117	70- 130	
Cyclohexane	10	13	125	70- 130	
Methylcyclohexane	10	12	118	70- 130	
1,2-Dibromoethane	10	9.7	97	70- 130	
Isopropylbenzene	10	12	121	70- 130	
1,3-Dichlorobenzene	10	9.8	98	70- 130	
1,4-Dichlorobenzene	10	10	100	70- 130	
1,2-Dichlorobenzene	10	11	106	70- 130	
1,2-Dibromo-3-chloropropa	10	11	111	70- 130	
1,2,4-Trichlorobenzene	10	11	111	70- 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

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

* Values outside of QC limits

Spike Recovery: 6 out of 49 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: 4I24108

Matrix Spike ID: VE536/06-11/092304

Lot #: A4I240108 WO #: GQ2A91AC
BATCH: 4272202

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	830	ND	900	108	62- 130	
Chloromethane	830	ND	640	77	40- 137	
Bromomethane	830	ND	940	113	55- 145	
Vinyl chloride	830	ND	840	101	88- 126	
Chloroethane	830	ND	750	90	59- 142	
Methylene chloride	830	36	790	90	82- 115	
Acetone	830	ND	460	55	45- 128	
Carbon disulfide	830	ND	830	100	69- 138	
1,1-Dichloroethane	830	ND	890	107	88- 127	
1,2-Dichloroethene (total	1700	ND	1700	102	86- 115	
Chloroform	830	ND	880	105	83- 141	
1,2-Dichloroethane	830	2400	3300	108	71- 160	
2-Butanone	830	ND	630	75	71- 123	
1,1,1-Trichloroethane	830	ND	880	106	71- 162	
Carbon tetrachloride	830	ND	900	108	63- 176	
Bromodichloromethane	830	ND	870	104	80- 146	
1,2-Dichloropropane	830	ND	880	106	87- 114	
cis-1,3-Dichloropropene	830	ND	820	99	82- 130	
Trichloroethene	830	ND	820	99	62- 130	
Dibromochloromethane	830	ND	790	94	71- 158	
1,1,2-Trichloroethane	830	ND	880	105	86- 129	
Benzene	830	ND	830	99	78- 118	
trans-1,3-Dichloropropene	830	ND	780	94	73- 147	
Bromoform	830	ND	780	94	58- 176	
4-Methyl-2-pentanone	830	ND	780	93	82- 135	
2-Hexanone	830	ND	670	80*	81- 128	a
Tetrachloroethene	830	ND	810	97	85- 121	
1,1,2,2-Tetrachloroethane	830	ND	890	107	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: 4I24108

Matrix Spike ID: VE536/06-11/092304

Lot #: A4I240108 WO #: GQ2A91AC
BATCH: 4272202

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Toluene	830	ND	880	105	70- 119	
Chlorobenzene	830	ND	820	99	76- 117	
Ethylbenzene	830	ND	830	99	86- 132	
Styrene	830	ND	870	104	83- 120	
Xylenes (total)	2500	ND	2600	103	89- 121	
cis-1,2-Dichloroethene	830	ND	840	101	87- 114	
trans-1,2-Dichloroethene	830	ND	850	103	85- 116	
Dichlorodifluoromethane	830	ND	430	52*	70- 130	a
Trichlorofluoromethane	830	ND	910	109	70- 130	
1,1,2-Trichloro-1,2,2-tri	830	ND	1100	134*	70- 130	a
Methyl acetate	830	ND	860	103	70- 130	
Methyl tert-butyl ether (	830	ND	860	103	70- 130	
Cyclohexane	830	ND	930	112	70- 130	
Methylcyclohexane	830	ND	930	112	70- 130	
1,2-Dibromoethane	830	ND	850	103	70- 130	
Isopropylbenzene	830	ND	900	108	70- 130	
1,3-Dichlorobenzene	830	ND	770	92	70- 130	
1,4-Dichlorobenzene	830	ND	820	98	70- 130	
1,2-Dichlorobenzene	830	ND	790	94	70- 130	
1,2-Dibromo-3-chloropropa	830	ND	810	97	70- 130	
1,2,4-Trichlorobenzene	830	ND	730	88	70- 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

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

RPD: 0 out of 0 outside limits
Spike Recovery: 3 out of 49 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: 4I24108

Matrix Spike ID: VE536/06-11/092304

Lot #: A4I240108 WO #: GQ2A91AD
BATCH: 4272202

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	830	880	105	2.8	20	62- 130	
Chloromethane	830	660	79	2.3	39	40- 137	
Bromomethane	830	1000	122	8.0	30	55- 145	
Vinyl chloride	830	830	99	2.1	30	88- 126	
Chloroethane	830	760	91	2.0	30	59- 142	
Methylene chloride	830	750	86	5.2	30	82- 115	
Acetone	830	470	56	1.3	30	45- 128	
Carbon disulfide	830	810	98	2.3	41	69- 138	
1,1-Dichloroethane	830	870	104	2.8	30	88- 127	
1,2-Dichloroethene (total	1700	1600	97	4.7	30	86- 115	
Chloroform	830	830	100	5.3	30	83- 141	
1,2-Dichloroethane	830	3200	92	3.9	30	71- 160	
2-Butanone	830	620	75	0.47	30	71- 123	
1,1,1-Trichloroethane	830	850	102	3.7	30	71- 162	
Carbon tetrachloride	830	880	105	2.9	30	63- 176	
Bromodichloromethane	830	840	101	3.1	30	80- 146	
1,2-Dichloropropane	830	870	105	0.75	30	87- 114	
cis-1,3-Dichloropropene	830	820	99	0.050	30	82- 130	
Trichloroethene	830	790	95	3.5	20	62- 130	
Dibromochloromethane	830	820	98	4.1	30	71- 158	
1,1,2-Trichloroethane	830	820	99	6.5	30	86- 129	
Benzene	830	800	96	3.1	20	78- 118	
trans-1,3-Dichloropropene	830	800	96	2.8	30	73- 147	
Bromoform	830	830	99	5.5	30	58- 176	
4-Methyl-2-pentanone	830	780	94	0.83	30	82- 135	
2-Hexanone	830	730	87	9.0	30	81- 128	
Tetrachloroethene	830	810	97	0.030	30	85- 121	
1,1,2,2-Tetrachloroethane	830	950	114	6.9	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: 4I24108

Matrix Spike ID: VE536/06-11/092304

Lot #: A4I240108 WO #: GQ2A91AD
BATCH: 4272202

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Toluene	830	840	101	4.3	20	70 - 119	
Chlorobenzene	830	810	97	1.9	20	76 - 117	
Ethylbenzene	830	830	99	0.24	30	86 - 132	
Styrene	830	860	103	0.97	30	83 - 120	
Xylenes (total)	2500	2500	100	3.6	30	89 - 121	
cis-1,2-Dichloroethene	830	800	96	5.2	30	87 - 114	
trans-1,2-Dichloroethene	830	820	98	4.2	30	85 - 116	
Dichlorodifluoromethane	830	430	52*	0.46	30	70 - 130	a
Trichlorofluoromethane	830	930	112	2.4	30	70 - 130	
1,1,2-Trichloro-1,2,2-tri	830	1100	132*	1.4	30	70 - 130	a
Methyl acetate	830	820	98	4.7	30	70 - 130	
Methyl tert-butyl ether (	830	850	102	1.0	30	70 - 130	
Cyclohexane	830	900	108	3.8	30	70 - 130	
Methylcyclohexane	830	870	104	7.4	30	70 - 130	
1,2-Dibromoethane	830	830	100	2.5	30	70 - 130	
Isopropylbenzene	830	900	109	0.43	30	70 - 130	
1,3-Dichlorobenzene	830	820	99	7.1	30	70 - 130	
1,4-Dichlorobenzene	830	840	101	2.7	30	70 - 130	
1,2-Dichlorobenzene	830	840	101	6.8	30	70 - 130	
1,2-Dibromo-3-chloropropa	830	840	101	4.1	30	70 - 130	
1,2,4-Trichlorobenzene	830	800	96	9.1	30	70 - 130	

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 49 outside limits
Spike Recovery: 2 out of 49 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

GQ8611AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4I24108

Lab File ID: UXX1782.D

Lot Number: A4I240108

Date Analyzed: 09/27/04

Time Analyzed: 12:02

Matrix: WATER

Date Extracted:09/27/04

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX10

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	VE536/06-11/092304	GQ2A91AA	UXX1783.D	09/27/04	12:25
02	VE536/06-11/092304	GQ2A91AC S	UXX1794.D	09/27/04	16:41
03	VE536/06-11/092304	GQ2A91AD D	UXX1795.D	09/27/04	17:04
04	VE536/12-17/092304	GQ2CK1AA	UXX1784.D	09/27/04	12:48
05	VE537/05.5-10.5/092304	GQ2CM1AA	UXX1785.D	09/27/04	13:11
06	VE537/12.5-17.5/092304	GQ2CN1AA	UXX1789.D	09/27/04	14:47
07	VE538/06.5-11.5/092304	GQ2CP1AA	UXX1790.D	09/27/04	15:10
08	VE538/13-18/092304	GQ2CQ1AA	UXX1791.D	09/27/04	15:33
09	TRIP BLANK/092304	GQ2CR1AA	UXX1792.D	09/27/04	15:55
10	CHECK SAMPLE	GQ8611AC C	UXX1780.D	09/27/04	11:17
11	DUPLICATE CHECK	GQ8611AD L	UXX1781.D	09/27/04	11:40
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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.: 4I24108V

Lab File ID: BFB1360 BFB Injection Date: 08/12/04

Instrument ID: A3UX10 BFB Injection Time: 0610

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	19.8
75	30.0 - 60.0% of mass 95	51.7
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	0.6 (0.6)1
174	50.0 - 100.0% of mass 95	93.7
175	5.0 - 9.0% of mass 174	7.1 (7.5)1
176	Greater than 95.0%, but less than 101.0% of mass 174	92.5 (98.6)1
177	5.0 - 9.0% of mass 176	6.6 (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	VSTD040	200NG-A9IC	UXX0522	08/12/04	0633
02	VSTD020	100NG-A9IC	UXX0523	08/12/04	0656
03	VSTD010	50NG-A9IC	UXX0524	08/12/04	0718
04	VSTD005	25NG-A9IC	UXX0525	08/12/04	0741
05	VSTD002	10NG-A9IC	UXX0526	08/12/04	0804
06	VSTD001	5NG-A9IC	UXX0527	08/12/04	0827
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5A

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

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4I24108V

Lab File ID: BFB1405 BFB Injection Date: 09/24/04

Instrument ID: A3UX10 BFB Injection Time: 1225

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	17.5	
75	30.0 - 60.0% of mass 95	49.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.6	(0.8)1
174	50.0 - 100.0% of mass 95	77.6	
175	5.0 - 9.0% of mass 174	5.2	(6.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	78.1	(100.6)1
177	5.0 - 9.0% of mass 176	5.1	(6.6)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD040	200NG-IC	UXX1747	09/24/04	1249
02	VSTD020	100NG-IC	UXX1748	09/24/04	1312
03	VSTD010	50NG-IC	UXX1749	09/24/04	1335
04	VSTD005	25NG-IC	UXX1750	09/24/04	1359
05	VSTD002	10NG-IC	UXX1751	09/24/04	1422
06	VSTD001	5NG-IC	UXX1752	09/24/04	1445
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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.: 4I24108V

Lab File ID: BFB1406 BFB Injection Date: 09/27/04

Instrument ID: A3UX10 BFB Injection Time: 1012

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.4
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.6 (0.8)1
174	50.0 - 100.0% of mass 95	74.6
175	5.0 - 9.0% of mass 174	5.3 (7.1)1
176	Greater than 95.0%, but less than 101.0% of mass 174	74.2 (99.5)1
177	5.0 - 9.0% of mass 176	5.5 (7.4)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-IC	UXX1778	09/27/04	1031
02	VSTD010	50NG-A9CC	UXX1779	09/27/04	1054
03	GQ861-CHK	GQ8611AC	UXX1780	09/27/04	1117
04	GQ861-CKDUP	GQ8611AD	UXX1781	09/27/04	1140
05	GQ861-BLK	GQ8611AA	UXX1782	09/27/04	1202
06	VE536/06-11/	GQ2A91AA	UXX1783	09/27/04	1225
07	VE536/12-17/	GQ2CK1AA	UXX1784	09/27/04	1248
08	VE537/0.5-10	GQ2CM1AA	UXX1785	09/27/04	1311
09	VE537/12.5-1	GQ2CN1AA	UXX1789	09/27/04	1447
10	VE538/06.5-1	GQ2CP1AA	UXX1790	09/27/04	1510
11	VE538/13-18/	GQ2CQ1AA	UXX1791	09/27/04	1533
12	TRIP BLANK/0	GQ2CR1AA	UXX1792	09/27/04	1555
13	VE536/06-11/	GQ2A91AC	UXX1794	09/27/04	1641
14	VE536/06-11/	GQ2A91AD	UXX1795	09/27/04	1704
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VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4I24108V

Lab File ID (Standard): UXX1778 Date Analyzed: 09/27/04

Instrument ID: A3UX10 Time Analyzed: 1031

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	1042144	7.81	1501745	5.14	573855	10.05
	UPPER LIMIT	2084288	8.31	3003490	5.64	1147710	10.55
	LOWER LIMIT	521072	7.31	750873	4.64	286928	9.55
	EPA SAMPLE NO.						
01	GQ861-CHK	1013651	7.81	1513147	5.14	527360	10.05
02	GQ861-CKDUP	732660	7.81	1059188	5.14	449231	10.05
03	GQ861-BLK	959119	7.81	1427380	5.14	470994	10.05
04	VE536/06-11/	976409	7.81	1465461	5.14	463305	10.05
05	VE536/12-17/	965615	7.81	1434683	5.13	449535	10.05
06	VE537/0.5-10	960117	7.81	1426229	5.14	464062	10.05
07	VE537/12.5-1	933312	7.81	1394757	5.14	438282	10.05
08	VE538/06.5-1	938860	7.81	1400552	5.14	443372	10.05
09	VE538/13-18/	905395	7.81	1340173	5.13	424579	10.05
10	TRIP BLANK/0	913588	7.81	1341710	5.14	430935	10.05
11	VE536/06-11/	959852	7.81	1409445	5.13	499076	10.05
12	VE536/06-11/	986236	7.81	1473746	5.13	497518	10.05
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IS1 (CBZ) = Chlorobenzene-d5
IS2 = Fluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

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

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FORM VIII VOA 1/87 Rev.

SEVERN TRENT STL

SAMPLE DATA

PAYNE FIRM INC.

Client Sample ID: VE536/06-11/092304

GC/MS Volatiles

Lot-Sample #...: A4I240108-001 **Work Order #...:** GQ2A91AA **Matrix.....:** WG
Date Sampled...: 09/23/04 10:55 **Date Received..:** 09/24/04
Prep Date.....: 09/27/04 **Analysis Date..:** 09/27/04
Prep Batch #...: 4272202
Dilution Factor: 83.33 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	830	ug/L
Acetonitrile	ND	1700	ug/L
Acrolein	ND	1700	ug/L
Acrylonitrile	ND	1700	ug/L
Benzene	ND	83	ug/L
Bromodichloromethane	ND	83	ug/L
Bromoform	ND	83	ug/L
Bromomethane	ND	83	ug/L
2-Butanone	ND	830	ug/L
Carbon disulfide	ND	83	ug/L
Carbon tetrachloride	ND	83	ug/L
Chlorobenzene	ND	83	ug/L
Chloroprene	ND	170	ug/L
Dibromochloromethane	ND	83	ug/L
Chloroethane	ND	83	ug/L
Chloroform	ND	83	ug/L
Chloromethane	ND	83	ug/L
3-Chloropropene	ND	170	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	170	ug/L
1,2-Dibromoethane	ND	83	ug/L
Dibromomethane	ND	83	ug/L
trans-1,4-Dichloro-2-butene	ND	83	ug/L
1,1-Dichloroethane	ND	83	ug/L
1,2-Dichloroethane	**2400**	**83**	**ug/L**
cis-1,2-Dichloroethene	ND	83	ug/L
trans-1,2-Dichloroethene	ND	83	ug/L
1,1-Dichloroethene	ND	83	ug/L
1,2-Dichloroethene (total)	ND	170	ug/L
Dichlorofluoromethane	ND	170	ug/L
1,2-Dichloropropane	ND	83	ug/L
cis-1,3-Dichloropropene	ND	83	ug/L
trans-1,3-Dichloropropene	ND	83	ug/L
1,4-Dioxane	**1800 J**	**4200**	**ug/L**
Ethylbenzene	ND	83	ug/L
Ethyl methacrylate	ND	83	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: VE536/06-11/092304

GC/MS Volatiles

Lot-Sample #...: A4I240108-001 **Work Order #...:** GQ2A91AA **Matrix.....:** WG

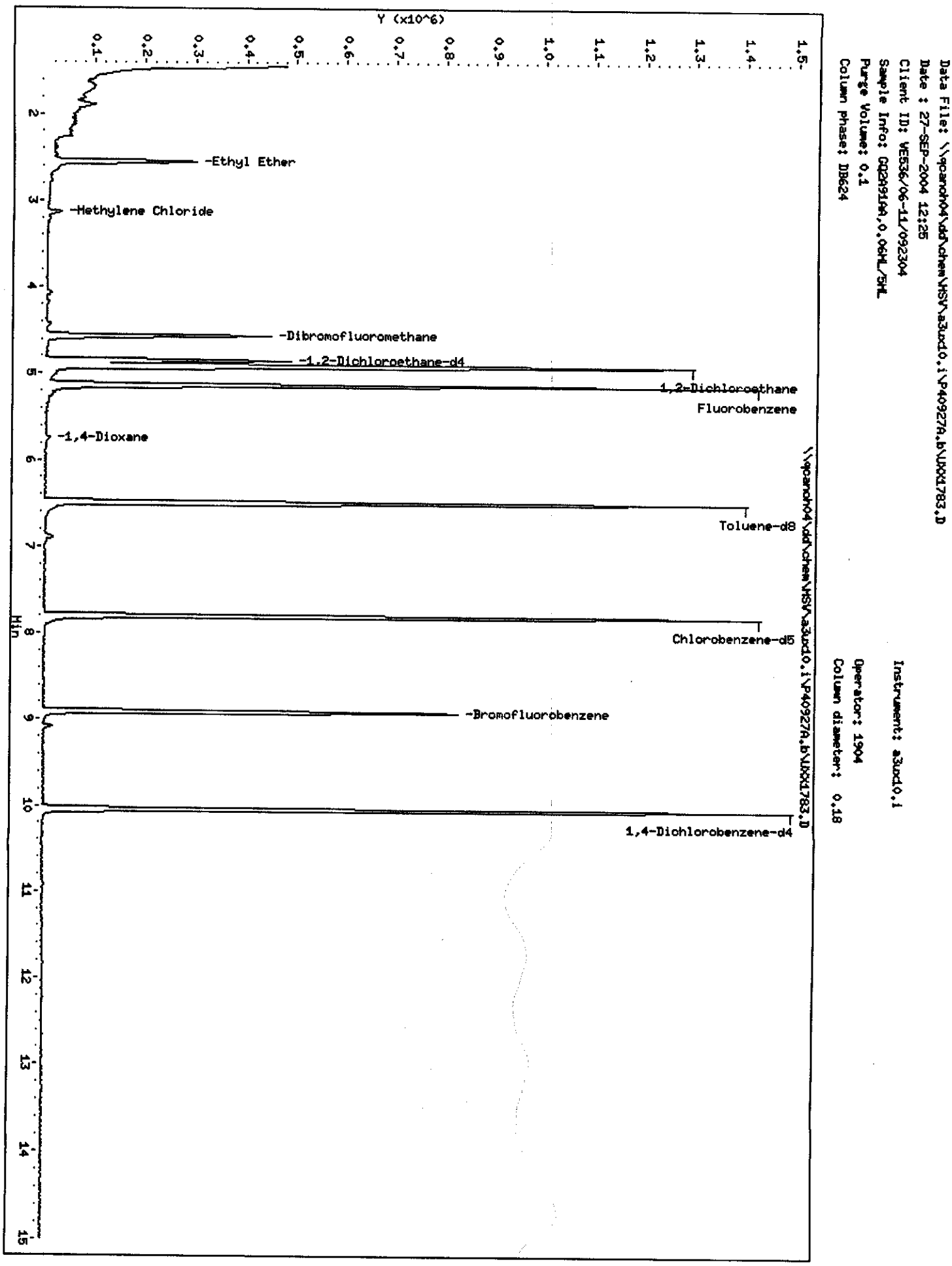
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	830	ug/L
Iodomethane	ND	83	ug/L
Isobutanol	ND	4200	ug/L
Methacrylonitrile	ND	170	ug/L
Methylene chloride	**36 J,B**	**83**	**ug/L**
Methyl methacrylate	ND	170	ug/L
4-Methyl-2-pentanone	ND	830	ug/L
Propionitrile	ND	330	ug/L
Styrene	ND	83	ug/L
1,1,1,2-Tetrachloroethane	ND	83	ug/L
1,1,2,2-Tetrachloroethane	ND	83	ug/L
Tetrachloroethene	ND	83	ug/L
Toluene	ND	83	ug/L
1,1,1-Trichloroethane	ND	83	ug/L
1,1,2-Trichloroethane	ND	83	ug/L
Trichloroethene	ND	83	ug/L
Trichlorofluoromethane	ND	83	ug/L
1,2,3-Trichloropropane	ND	83	ug/L
Vinyl acetate	ND	170	ug/L
Vinyl chloride	ND	83	ug/L
Xylenes (total)	ND	170	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.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Date : 27-SEP-2004 12:25
Client ID: VE536/06-11/092304
Sample Info: CQ20916A,0.06ML/5ML
Purge Volume: 0.1
Column phase: DB624
Instrument: a3ud10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Ethyl Ether
-Methylene Chloride
-Dibromofluoromethane
-1,2-Dichloroethane-d4
1,2-Dichloroethane
Fluorobenzene
-1,4-Dioxane
Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanch04\dd\chem\HSV\a3ud10.i\P40927A.b\UXX1783.D
Min
2
3
4
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10
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12
13
14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1783.D
Report Date: 28-Sep-2004 10:33

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1783.D
Lab Smp Id: GQ2A91AA
Client Smp ID: VE536/06-11/092304
Inj Date : 27-SEP-2004 12:25
Operator : 1904
Inst ID: a3ux10.i
Smp Info : GQ2A91AA,0.06ML/5ML
Misc Info : P40927A,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m
Meth Date : 28-Sep-2004 10:30 quayler
Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27
Cal File: UXX0877.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.060	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.135	5.137	(1.000)	1465461	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.811	(1.000)	976409	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.048	(1.000)	463305	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.569	(0.889)	287131	52.4232	873.72
$ 5 1,2-Dichloroethane-d4	65	4.851	4.853	(0.945)	361025	53.1562	885.94
$ 6 Toluene-d8	98	6.496	6.498	(0.832)	1026043	51.0161	850.27
$ 7 Bromofluorobenzene	95	8.921	8.912	(1.142)	349285	45.9812	766.35
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\a3ux10.i\P40927A.b\UXX1783.D
Report Date: 28-Sep-2004 10:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	3.135	3.137	(0.611)	14537	2.13778	35.630
	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	4.910	4.912	(0.956)	1187553	143.993	2399.9
	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	5.738	5.740	(1.118)	6800	106.685	1778.1
	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\a3ux10.i\P40927A.b\UXX1783.D
Report Date: 28-Sep-2004 10:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.555	2.546	(0.498)	211430	27.9622	466.04
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P40927A.b\UXX1783.D

Date : 27-SEP-2004 12:25

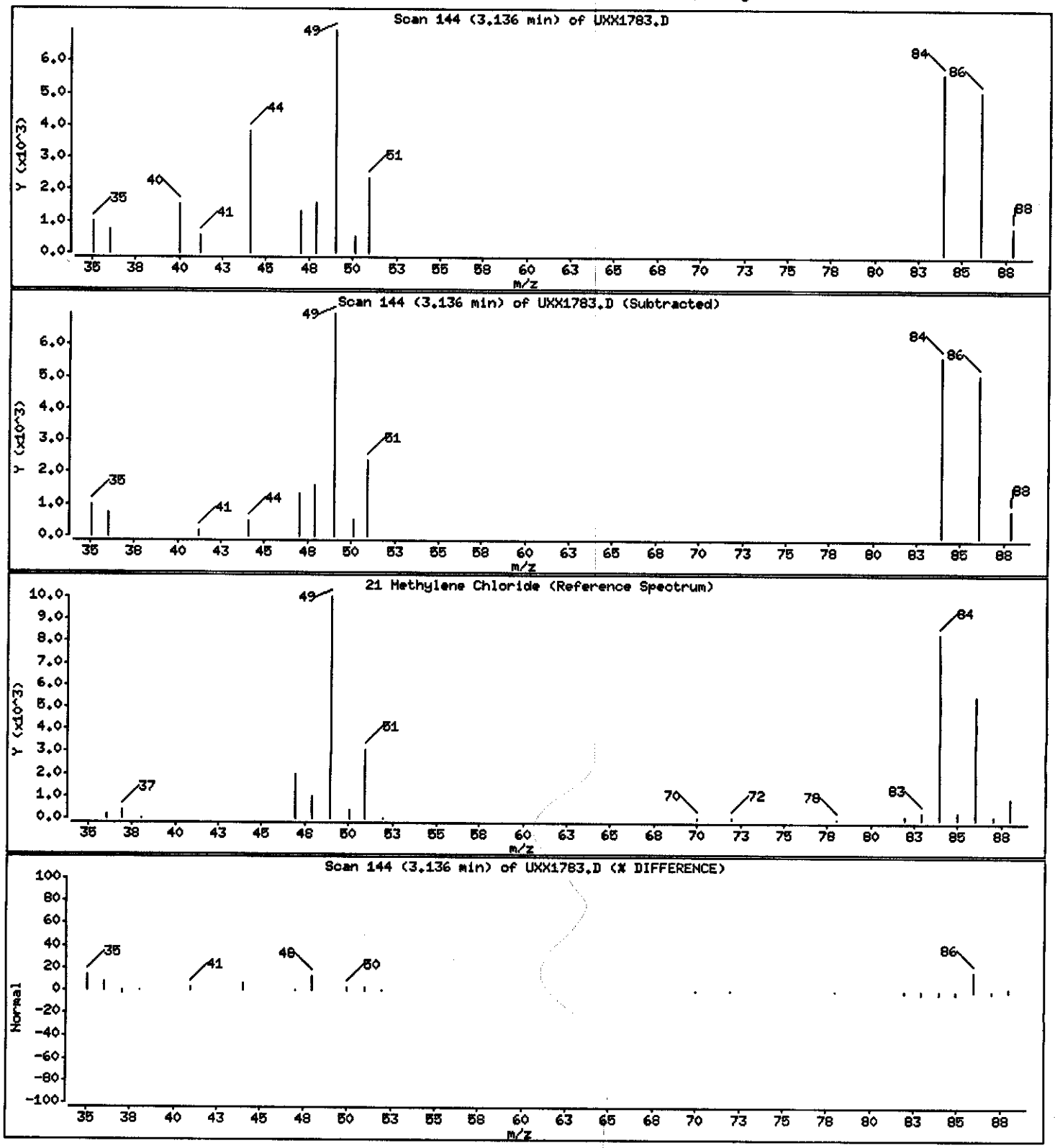
Client ID: VE536/06-11/092304 Instrument: a3ux10.i

Sample Info: GQ2A91AA,0.06ML/5ML

Purge Volume: 0.1 Operator: 1904

Column phase: DB624 Column diameter: 0.18

21 Methylene Chloride Concentration: 35.630 ug/L



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Date : 27-SEP-2004 12:25

Client ID: VE536/06-11/092304

Instrument: a3ux10.i

Sample Info: GQ2A91AA,0.06ML/5ML

Purge Volume: 0.1

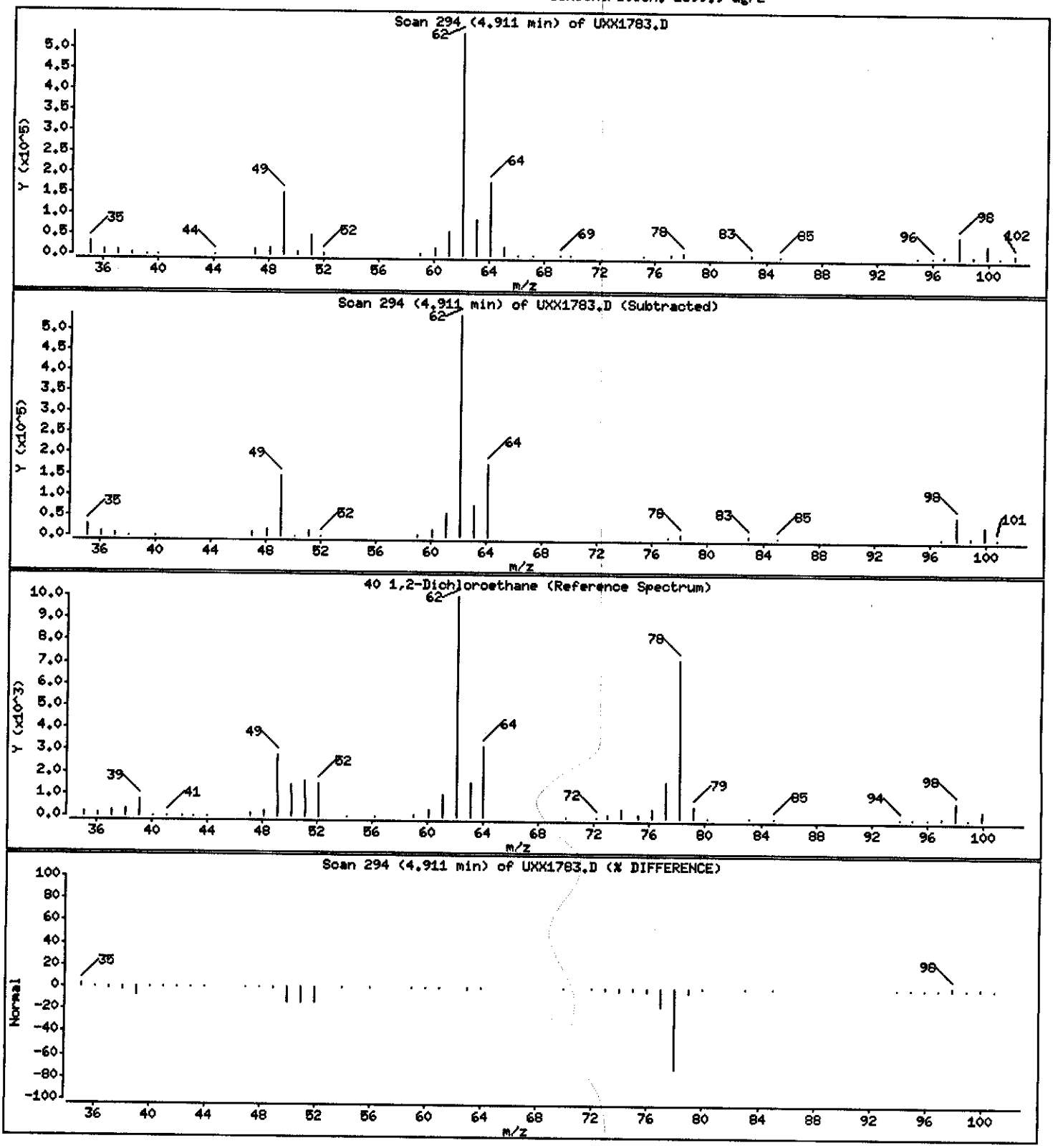
Operator: 1904

Column phase: DB624

Column diameter: 0.18

40 1,2-Dichloroethane

Concentration: 2399.9 ug/L



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Date : 27-SEP-2004 12:25

Client ID: VE536/06-11/092304

Instrument: a3ux10.i

Sample Info: GQ2A91AA,0.06ML/5ML

Purge Volume: 0.1

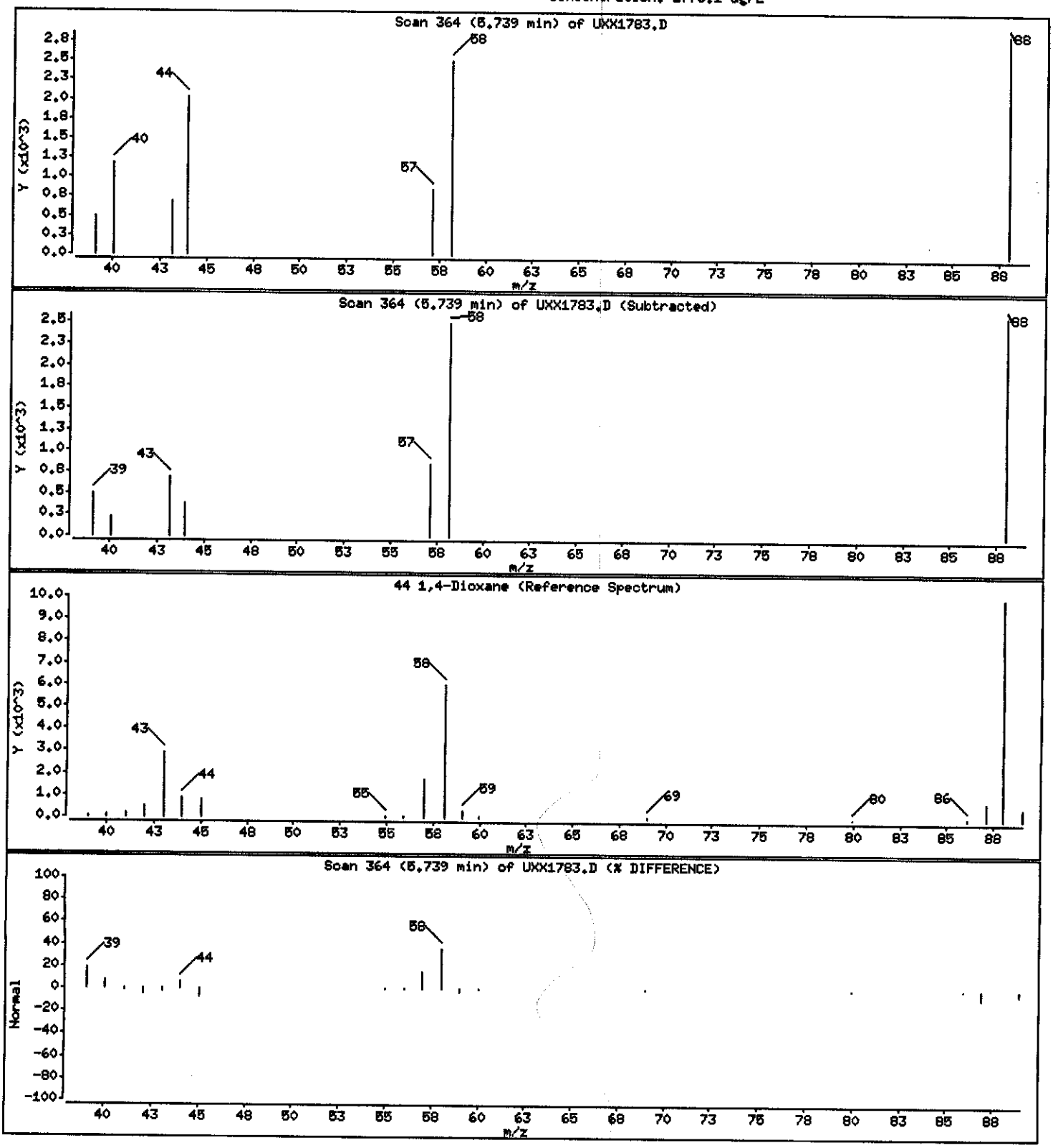
Operator: 1904

Column phase: DB624

Column diameter: 0.18

44 1,4-Dioxane

Concentration: 1778.1 ug/L



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Date : 27-SEP-2004 12:25

Client ID: VE536/06-11/092304

Instrument: a3ux10.i

Sample Info: CQ2A91AA,0.06ML/5ML

Purge Volume: 0.1

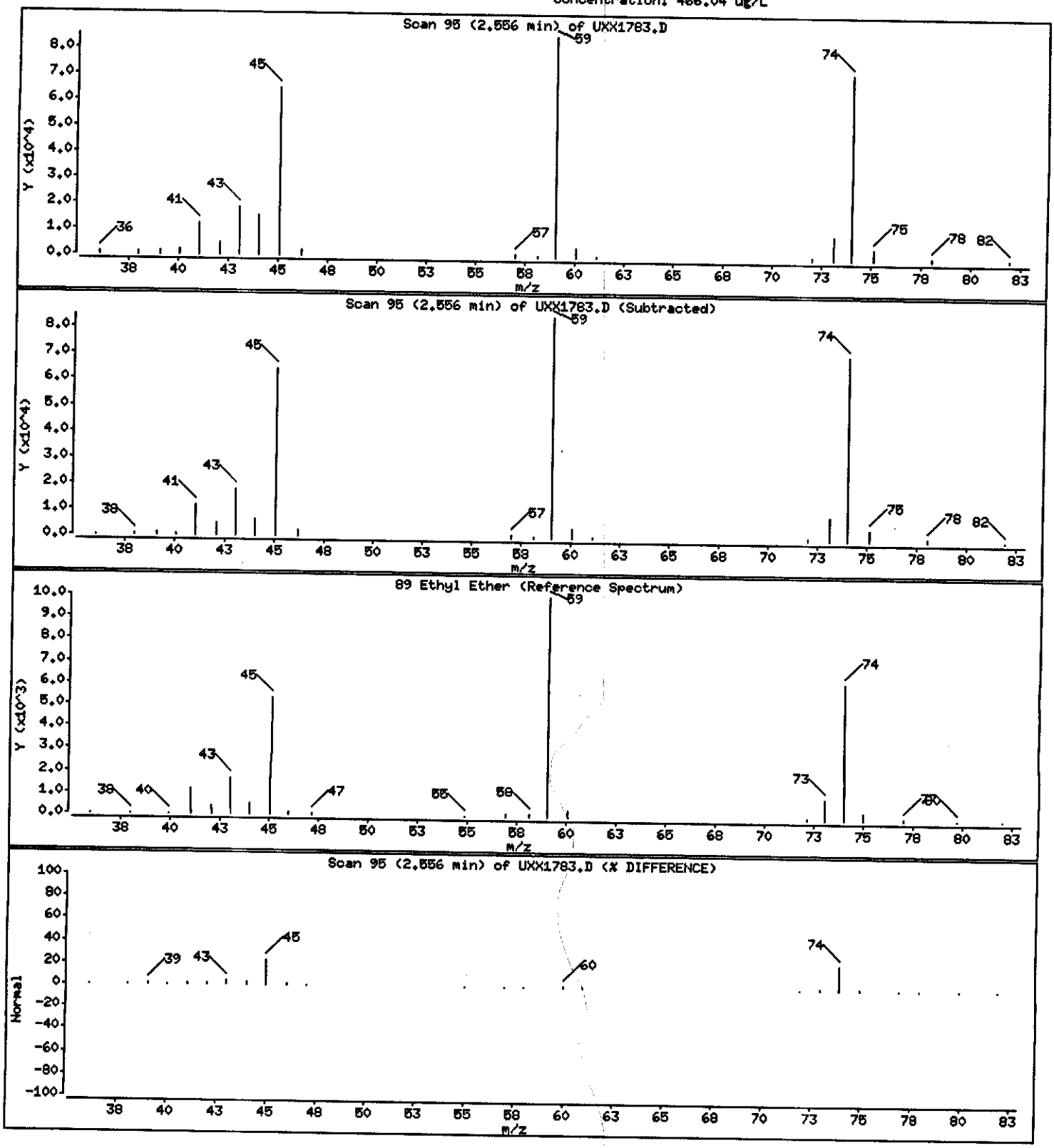
Operator: 1904

Column phase: DB624

Column diameter: 0.18

89 Ethyl Ether

Concentration: 466.04 ug/L



PAYNE FIRM INC.

Client Sample ID: VE536/12-17/092304

GC/MS Volatiles

Lot-Sample #...: A4I240108-002 **Work Order #...:** GQ2CK1AA **Matrix.....:** WG
Date Sampled...: 09/23/04 10:58 **Date Received..:** 09/24/04
Prep Date.....: 09/27/04 **Analysis Date..:** 09/27/04
Prep Batch #...: 4272202
Dilution Factor: 2 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**3.7 J**	**20**	**ug/L**
Acetonitrile	ND	40	ug/L
Acrolein	ND	40	ug/L
Acrylonitrile	ND	40	ug/L
Benzene	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
2-Butanone	**1.0 J**	**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	ND	2.0	ug/L
1,2-Dichloroethane	**68**	**2.0**	**ug/L**
cis-1,2-Dichloroethene	ND	2.0	ug/L
trans-1,2-Dichloroethene	ND	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
1,2-Dichloroethene (total)	ND	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	**130**	**100**	**ug/L**
Ethylbenzene	ND	2.0	ug/L
Ethyl methacrylate	ND	2.0	ug/L

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PAYNE FIRM INC.

Client Sample ID: VE536/12-17/092304

GC/MS Volatiles

Lot-Sample #...: A4I240108-002 **Work Order #...:** GQ2CK1AA **Matrix.....:** WG

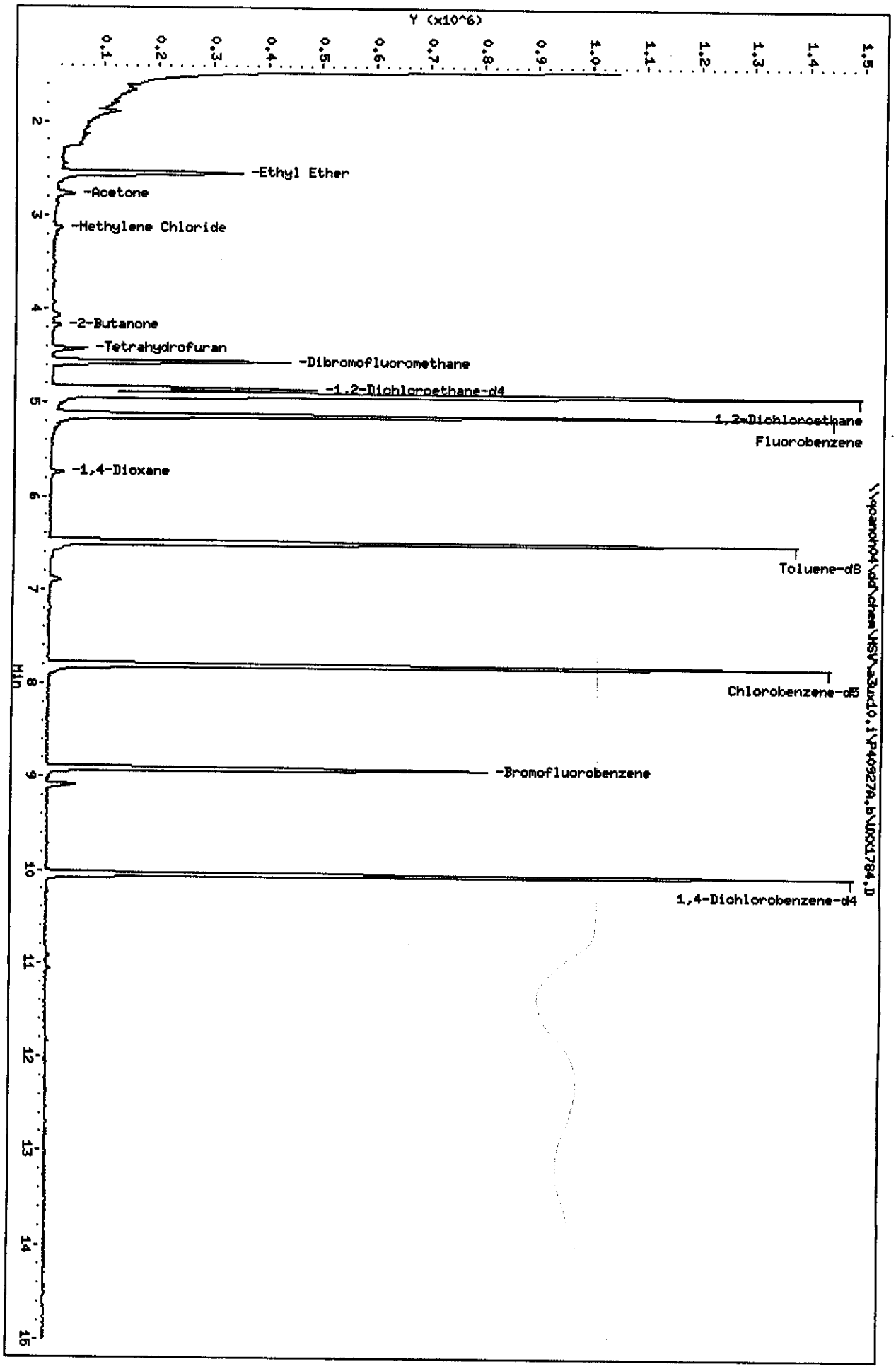
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	20	ug/L
Iodomethane	ND	2.0	ug/L
Isobutanol	ND	100	ug/L
Methacrylonitrile	ND	4.0	ug/L
Methylene chloride	**0.66 J,B**	**2.0**	**ug/L**
Methyl methacrylate	ND	4.0	ug/L
4-Methyl-2-pentanone	ND	20	ug/L
Propionitrile	ND	8.0	ug/L
Styrene	ND	2.0	ug/L
1,1,1,2-Tetrachloroethane	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	ND	2.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	2.0	ug/L
Vinyl acetate	ND	4.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Xylenes (total)	ND	4.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.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Date : 27-SEP-2004 12:48
Client ID: VE536/12-17/092304
Sample Info: G020X1PA,2.5ML/5ML
Purge Volume: 2.5
Column Phase: DB624
Instrument: a3ud10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Ethyl Ether
-Acetone
-Methylene Chloride
-2-Butanone
-Tetrahydrofuran
-Dibromofluoromethane
-1,2-Dichloroethane-d4
1,2-Dichloroethane
Fluorobenzene
-1,4-Dioxane
Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
Min
2
3
4
5
6
7
8
9
10
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12
13
14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1784.D
Report Date: 28-Sep-2004 10:34

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1784.D
Lab Smp Id: GQ2CK1AA Client Smp ID: VE536/12-17/092304
Inj Date : 27-SEP-2004 12:48
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GQ2CK1AA,2.5ML/5ML
Misc Info : P40927A,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m
Meth Date : 28-Sep-2004 10:30 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	2.500	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.134	5.137	(1.000)	1434683	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.811	(1.000)	965615	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.048	(1.000)	449535	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.569	(0.889)	286570	53.4433	21.377
$ 5 1,2-Dichloroethane-d4	65	4.850	4.853	(0.945)	360744	54.2543	21.702
$ 6 Toluene-d8	98	6.495	6.498	(0.832)	1006828	50.6203	20.248
$ 7 Bromofluorobenzene	95	8.909	8.912	(1.141)	348984	46.4551	18.582
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	2.768	2.770	(0.539)	58601	9.29652	3.719
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1784.D
Report Date: 28-Sep-2004 10:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	3.135	3.137	(0.611)	10941	1.64348	0.6574
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.176	4.179	(0.813)	12302	2.62097	1.048
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.424	4.427	(0.862)	46107	17.4890	6.996
	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	4.910	4.912	(0.956)	1362926	168.802	67.521
	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	5.750	5.740	(1.120)	20614	330.350	132.14(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\a3ux10.i\P40927A.b\UXX1784.D
Report Date: 28-Sep-2004 10:34

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.543	2.546	(0.495)	262352	35.4412	14.176
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\a3ux10.i\P40927A.b\UXX1784.D

Date : 27-SEP-2004 12:48

Client ID: VE536/12-17/092304

Instrument: a3ux10.i

Sample Info: GQ2CK1AA,2.5ML/5ML

Purge Volume: 2.5

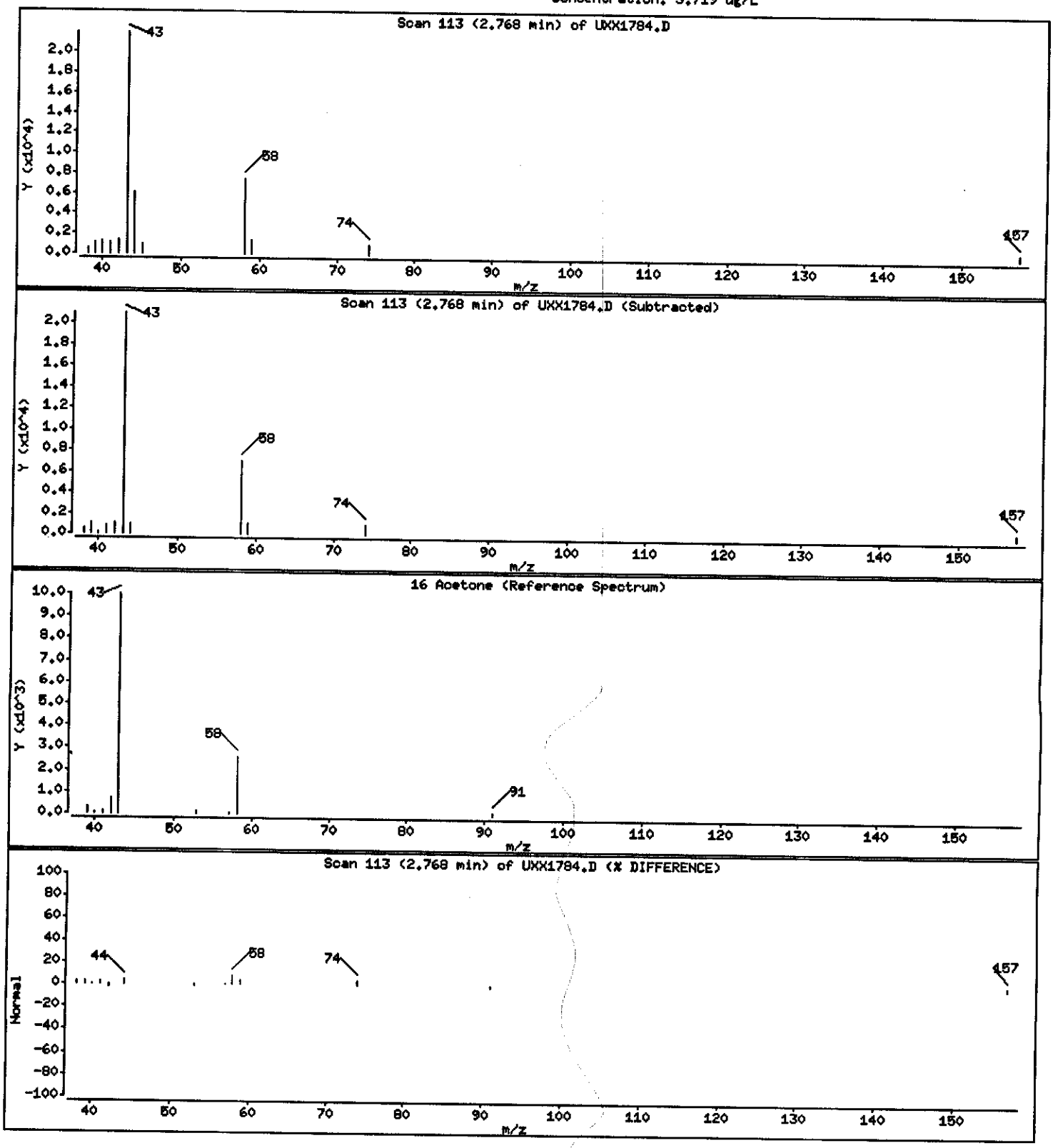
Operator: 1904

Column phase: DB624

Column diameter: 0.18

16 Acetone

Concentration: 3.719 ug/L



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Date : 27-SEP-2004 12:48

Client ID: VE536/12-17/092304

Instrument: a3ux10.i

Sample Info: GQ2CK1AA,2.5ML/5ML

Purge Volume: 2.5

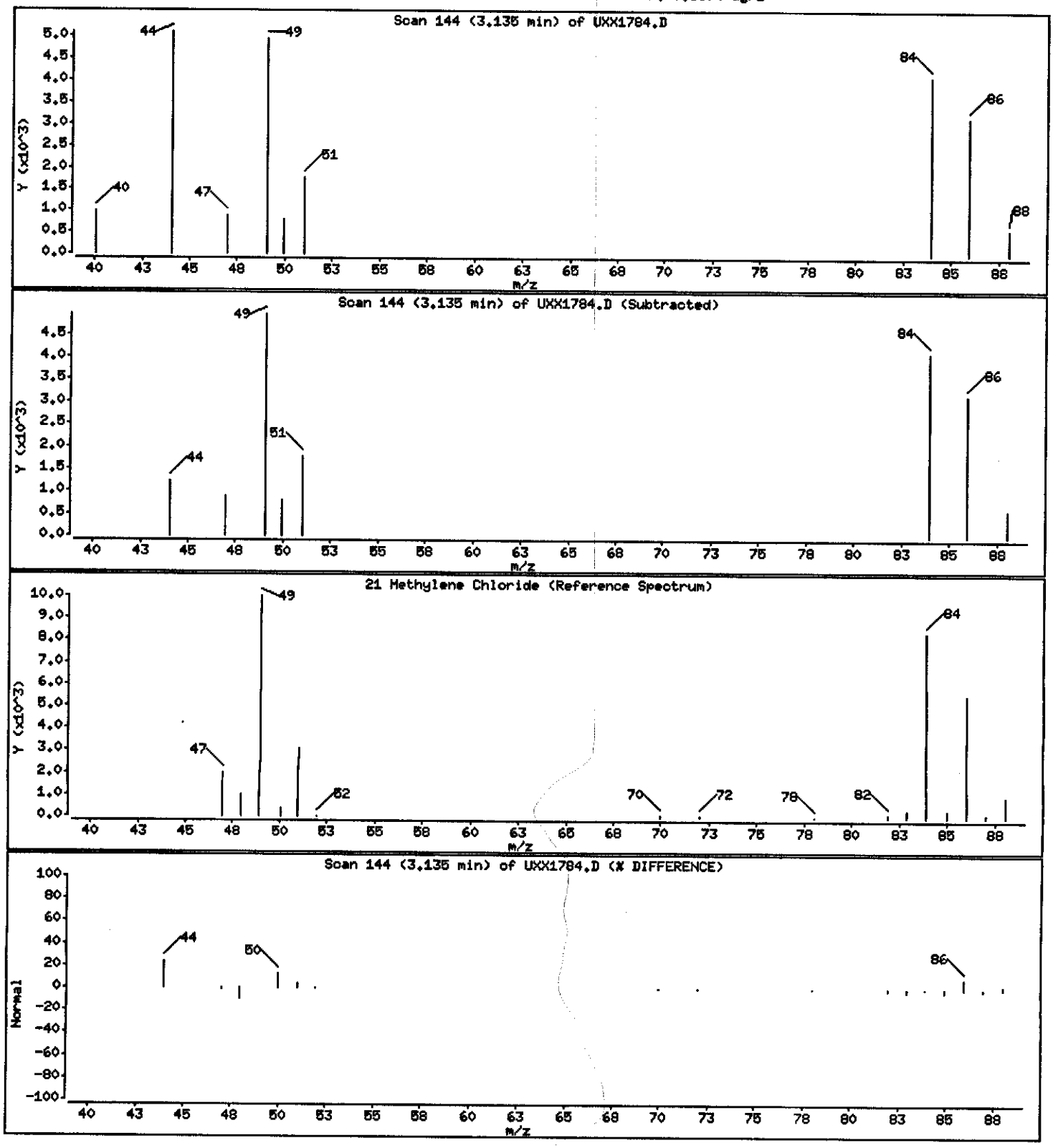
Operator: 1904

Column phase: DB624

Column diameter: 0.18

21 Methylene Chloride

Concentration: 0.6574 ug/L



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Date : 27-SEP-2004 12:48

Client ID: VE536/12-17/092304

Instrument: a3ux10.i

Sample Info: GQ2CK1AA,2.5ML/5ML

Purge Volume: 2.5

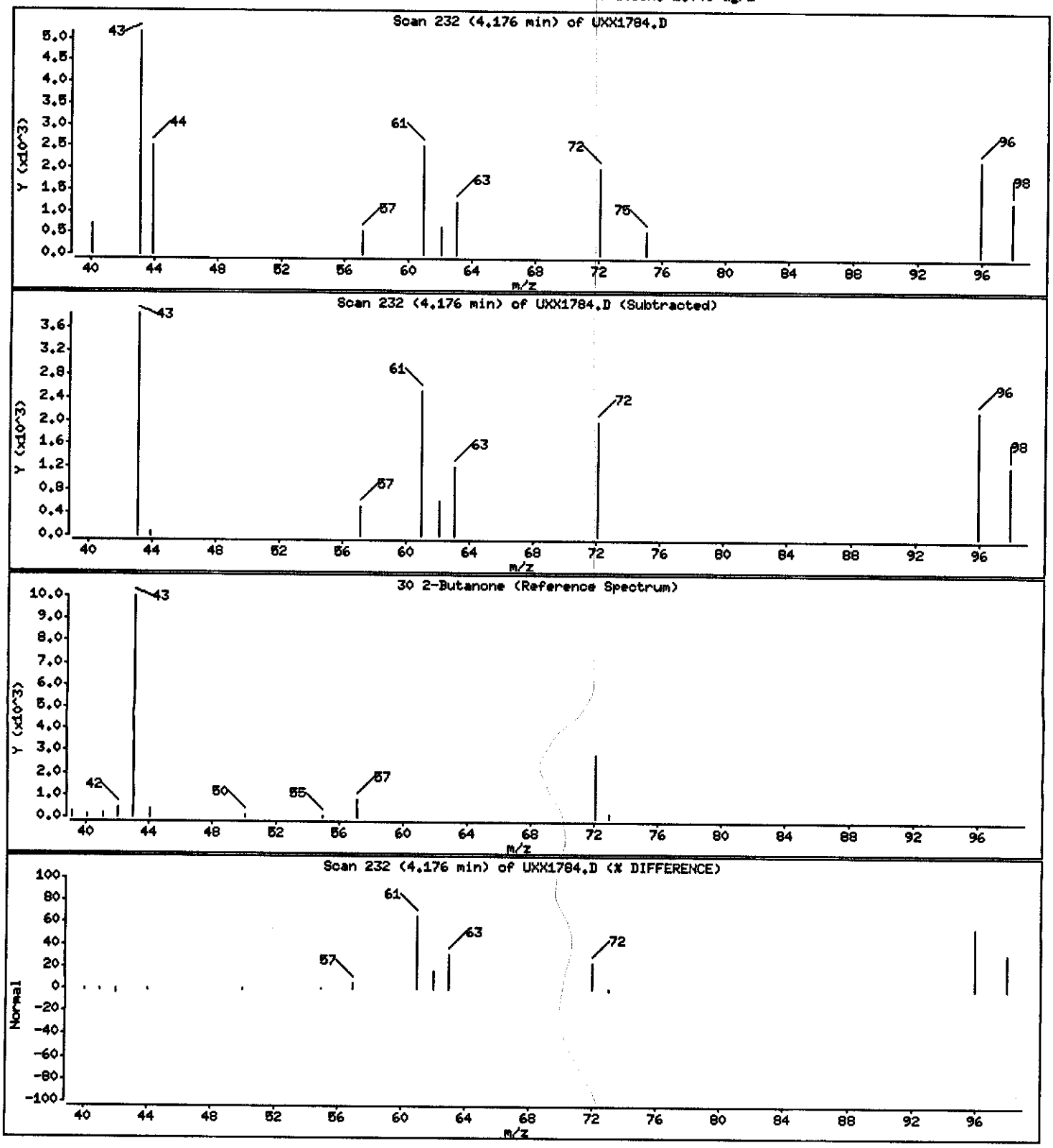
Operator: 1904

Column phase: DB624

Column diameter: 0.18

30 2-Butanone

Concentration: 1.048 ug/L



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Date : 27-SEP-2004 12:48

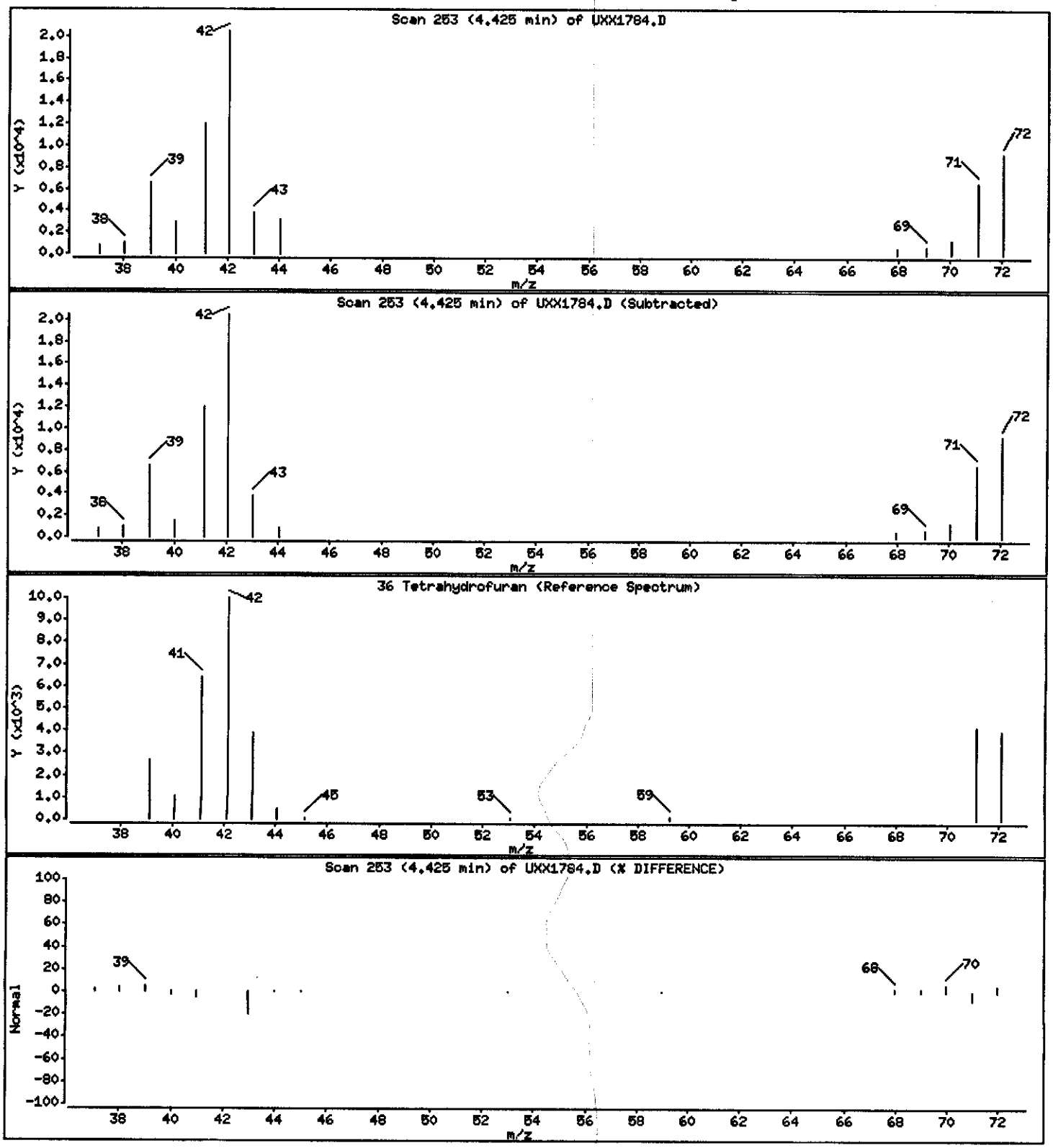
Client ID: VE536/12-17/092304 Instrument: a3ux10.i

Sample Info: GQ2CK1AA,2.5ML/5ML

Purge Volume: 2.5 Operator: 1904

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 6.996 ug/L



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Date : 27-SEP-2004 12:48

Client ID: VE536/12-17/092304

Instrument: a3ux10.i

Sample Info: GQ2CK1AA,2.5ML/5ML

Purge Volume: 2.5

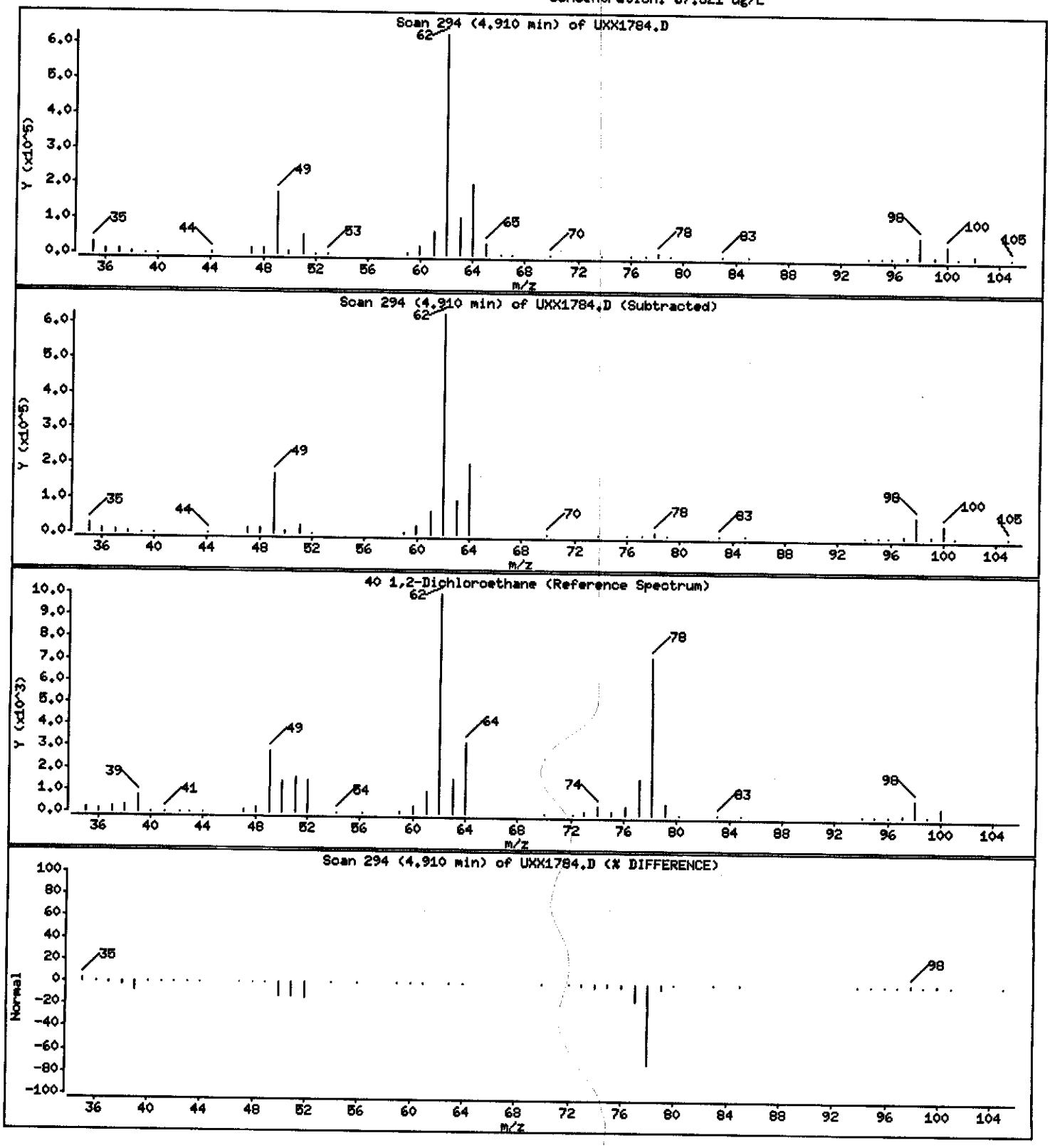
Operator: 1904

Column phase: DB624

Column diameter: 0.18

40 1,2-Dichloroethane

Concentration: 67.521 ug/L



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Date : 27-SEP-2004 12:48

Client ID: VE536/12-17/092304

Instrument: a3ux10.i

Sample Info: GQ2CK1AA,2.5ML/5ML

Purge Volume: 2.5

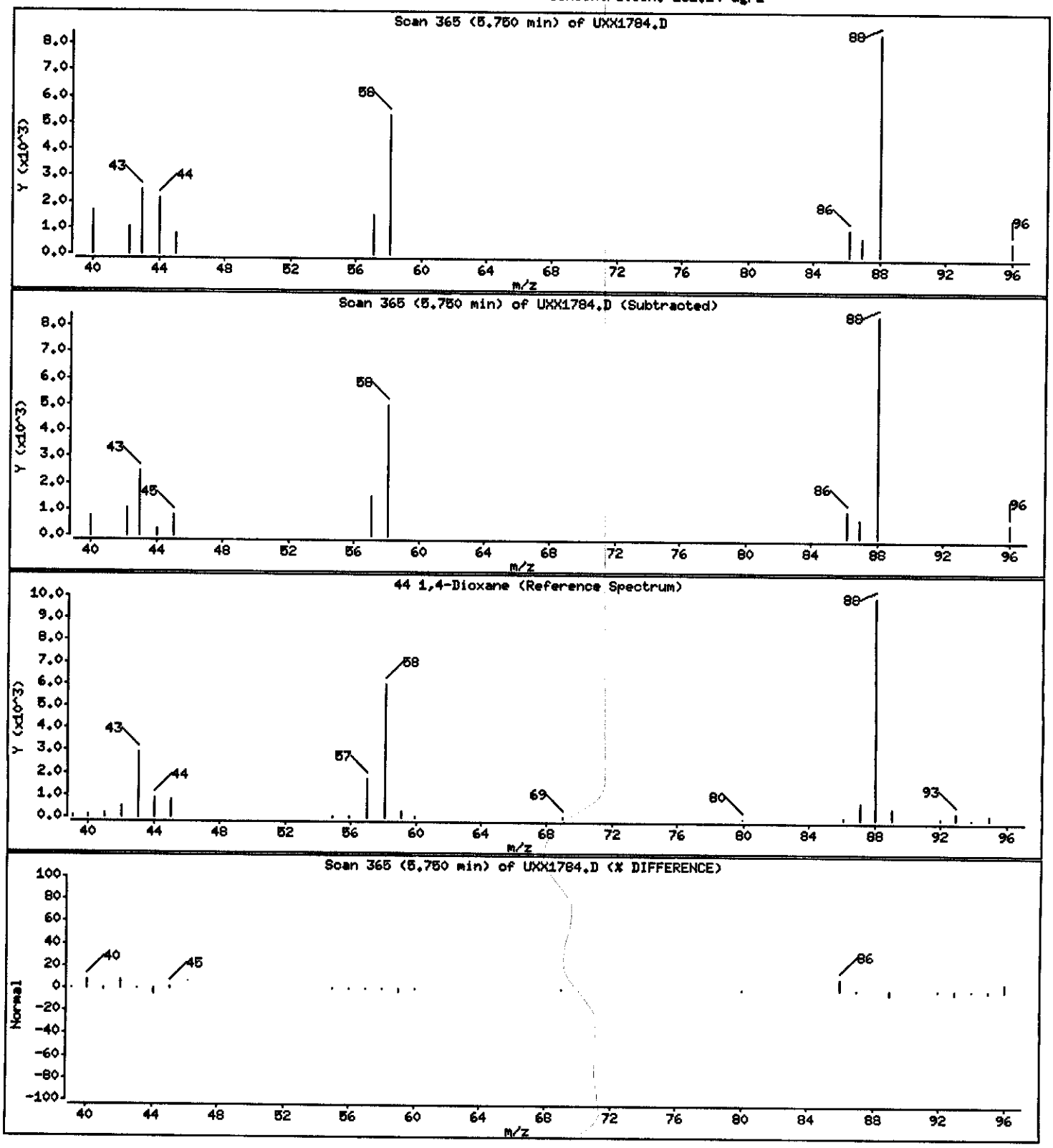
Operator: 1904

Column phase: DB624

Column diameter: 0.18

44 1,4-Dioxane

Concentration: 132.14 ug/L



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Date : 27-SEP-2004 12:48

Client ID: VE536/12-17/092304

Instrument: a3ux10.i

Sample Info: GQ2CK1AA,2.5ML/5ML

Purge Volume: 2.5

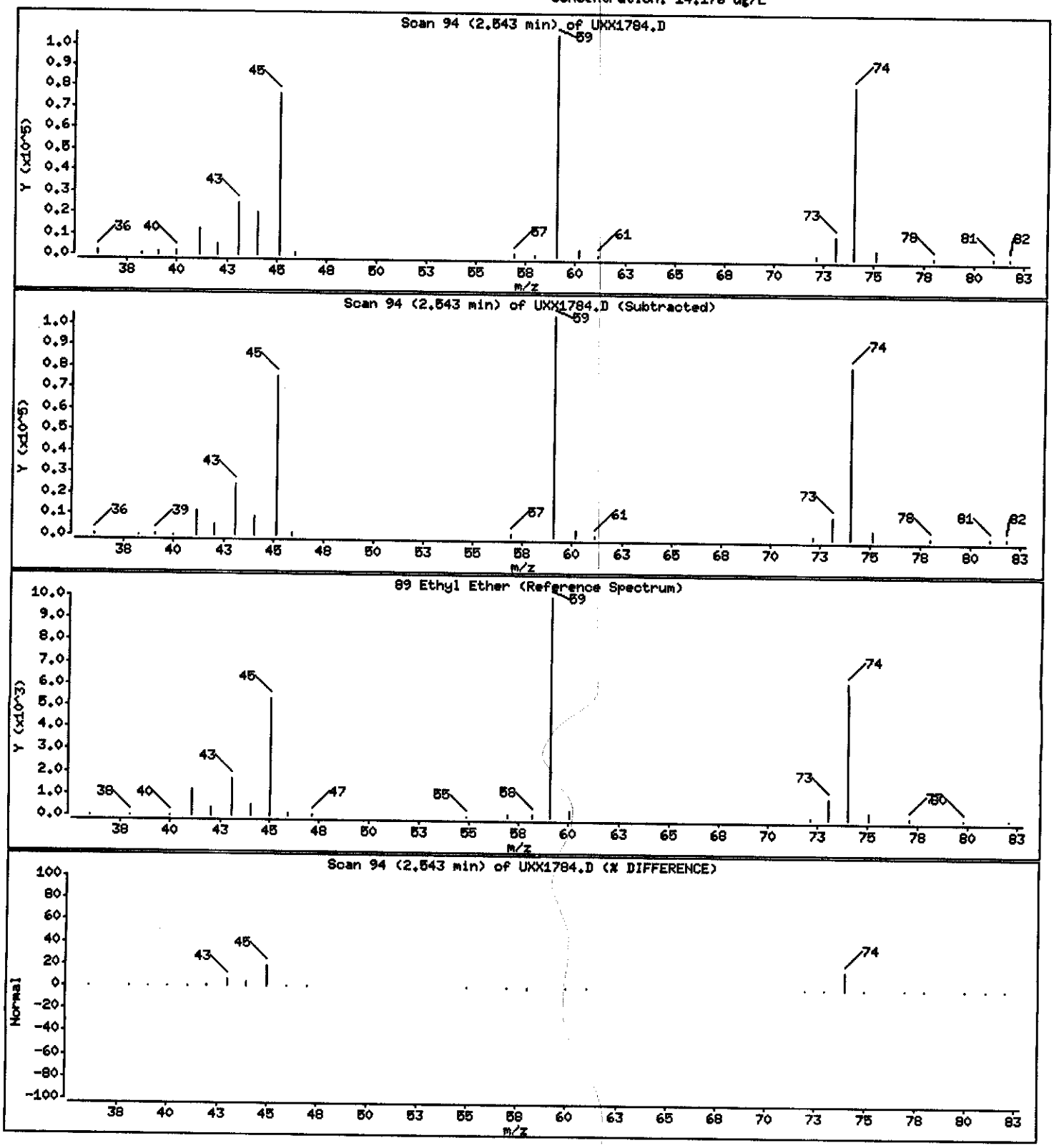
Operator: 1904

Column phase: DB624

Column diameter: 0.18

89 Ethyl Ether

Concentration: 14.176 ug/L



PAYNE FIRM INC.

Client Sample ID: VE537/05.5-10.5/092304

GC/MS Volatiles

Lot-Sample #...: A4I240108-003 **Work Order #...:** GQ2CM1AA **Matrix.....:** WG
Date Sampled...: 09/23/04 11:04 **Date Received..:** 09/24/04
Prep Date.....: 09/27/04 **Analysis Date..:** 09/27/04
Prep Batch #...: 4272202
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**4.9 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	**0.30 J,B**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	**1.4 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	**460**	**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: VE537/05.5-10.5/092304

GC/MS Volatiles

Lot-Sample #...: A4I240108-003 **Work Order #...:** GQ2CM1AA **Matrix.....:** WG

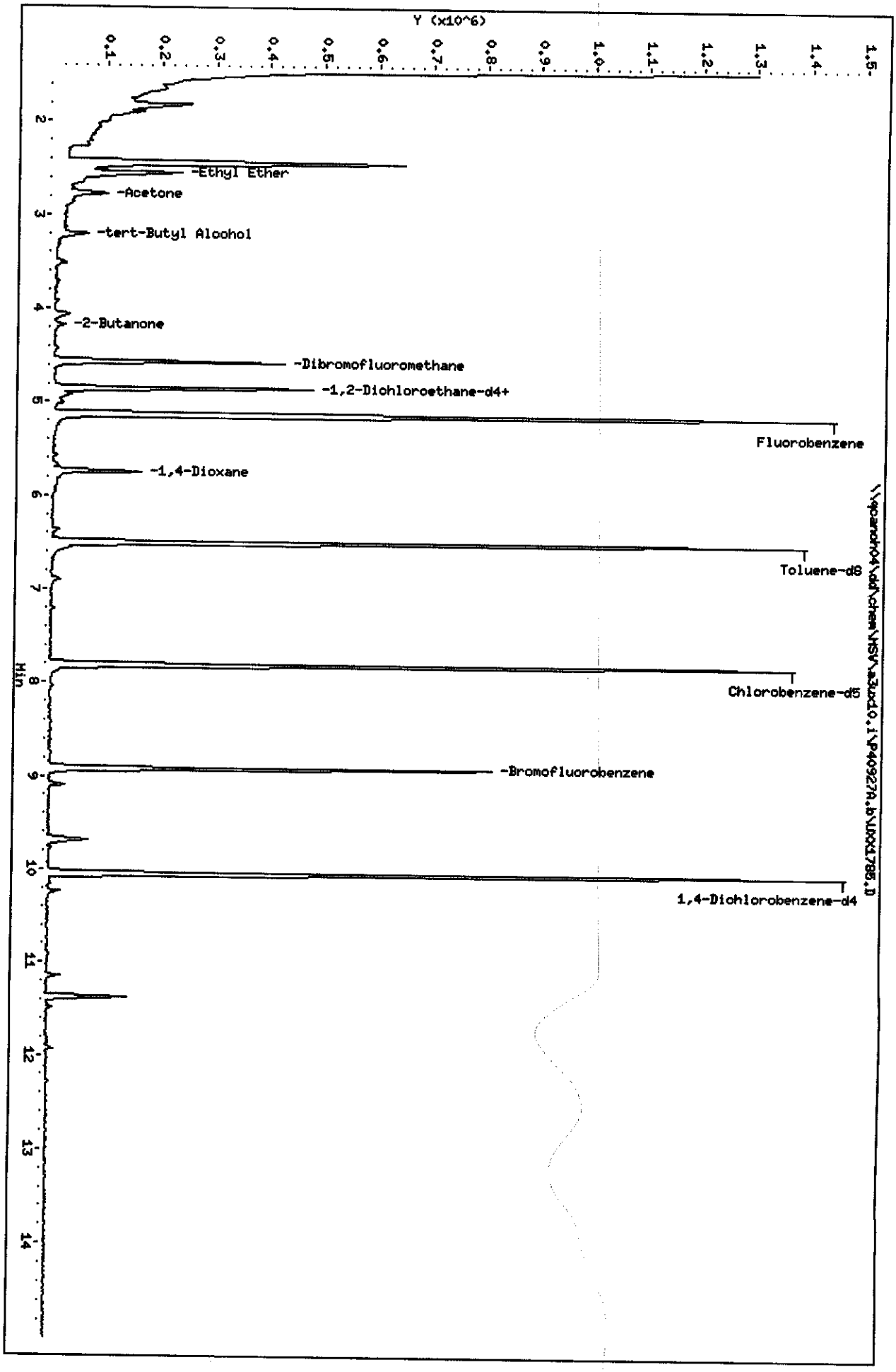
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	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	103	(73 - 122)
1,2-Dichloroethane-d4	109	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.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Date : 27-SEP-2004 13:11
Client ID: VE537/0.5-10.5/0923
Sample Info: D020H190,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Ethyl Ether
-Acetone
-tert-Butyl Alcohol
-2-Butanone
-Dibromofluoromethane
-1,2-Dichloroethane-d4+
Fluorobenzene
-1,4-Dioxane
Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcandh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1785.D
Min
2
3
4
5
6
7
8
9
10
11
12
13
14

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1785.D
Report Date: 28-Sep-2004 10:34

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1785.D
Lab Smp Id: GQ2CM1AA Client Smp ID: VE537/0.5-10.5/0923
Inj Date : 27-SEP-2004 13:11
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GQ2CM1AA,5ML/5ML
Misc Info : P40927A,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m
Meth Date : 28-Sep-2004 10:30 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.136	5.137	(1.000)	1426229	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.811	(1.000)	960117	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.047	10.048	(1.000)	464062	50.0000	
$ 4 Dibromofluoromethane	113	4.568	4.569	(0.889)	273648	51.3359	10.267
$ 5 1,2-Dichloroethane-d4	65	4.852	4.853	(0.945)	360862	54.5938	10.919
$ 6 Toluene-d8	98	6.497	6.498	(0.832)	1011994	51.1714	10.234
$ 7 Bromofluorobenzene	95	8.911	8.912	(1.141)	357230	47.8251	9.565
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	2.770	2.770	(0.539)	109060	24.6668	4.933
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1785.D
Report Date: 28-Sep-2004 10:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	3.208	3.208	(0.625)	61461	79.8881	15.978
	30 2-Butanone	43	4.178	4.179	(0.813)	33273	7.13091	1.426
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.923	4.912	(0.959)	38830	1.49613	0.2992
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.740	5.740	(1.117)	141478	2280.69	456.14(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\a3ux10.i\P40927A.b\UXX1785.D
Report Date: 28-Sep-2004 10:34

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.545	2.546	(0.496)	133288	18.1126	3.622
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\a3ux10.i\P40927A.b\UXX1785.D

Date : 27-SEP-2004 13:11

Client ID: VE537/0.5-10.5/0923

Instrument: a3ux10.i

Sample Info: GQ2CH1AA,5ML/5ML

Purge Volume: 5.0

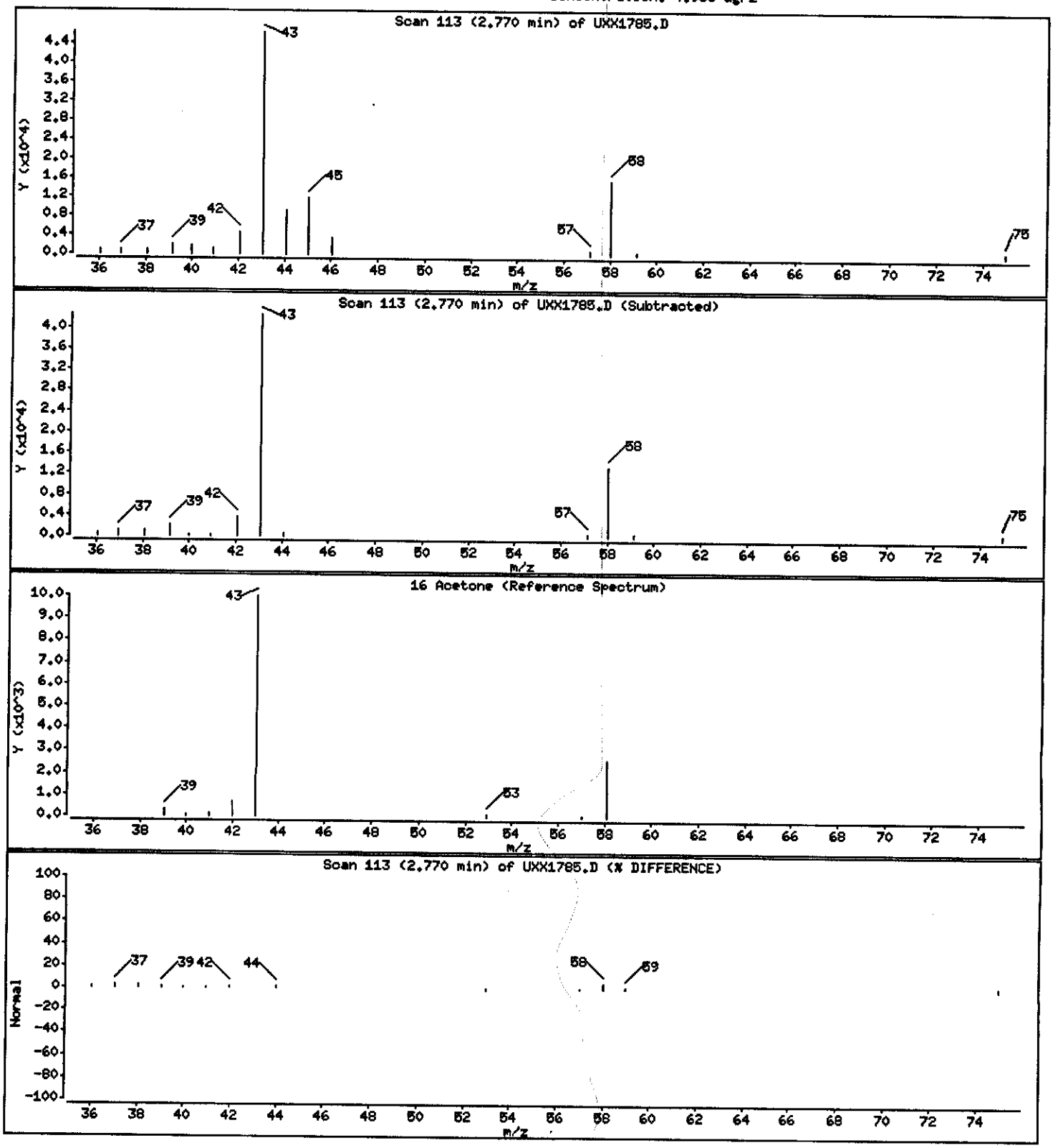
Operator: 1904

Column phase: DB624

Column diameter: 0.18

16 Acetone

Concentration: 4.933 ug/L



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Date : 27-SEP-2004 13:11

Client ID: VE537/0.5-10.5/0923

Instrument: a3ux10.i

Sample Info: GQ2CM1AA,5ML/5ML

Purge Volume: 5.0

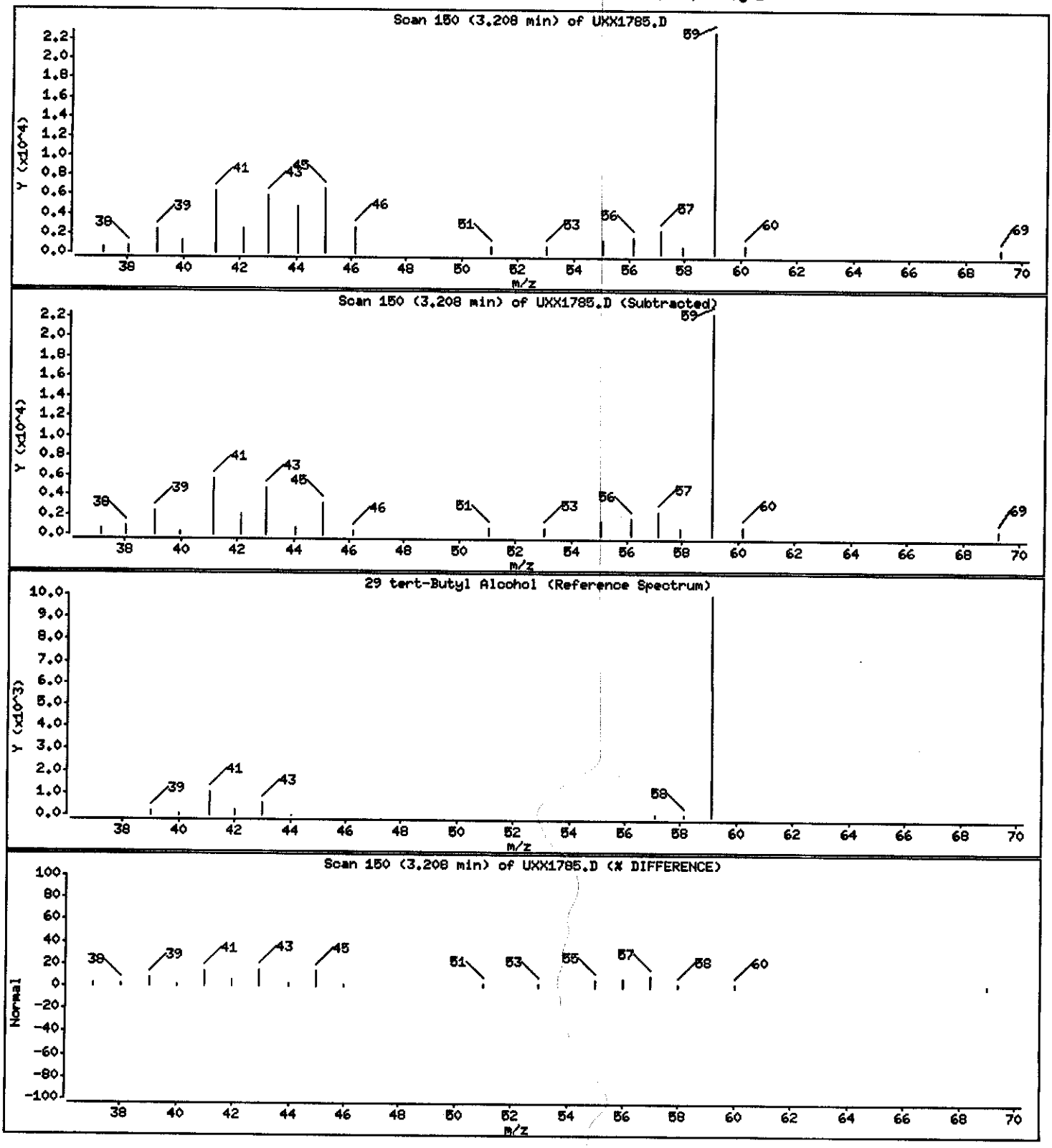
Operator: 1904

Column phase: DB624

Column diameter: 0.18

29 tert-Butyl Alcohol

Concentration: 15.978 ug/L



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Date : 27-SEP-2004 13:11

Client ID: VE537/0.5-10.5/0923

Instrument: a3ux10.i

Sample Info: CQ2CM1AA,5ML/5ML

Purge Volume: 5.0

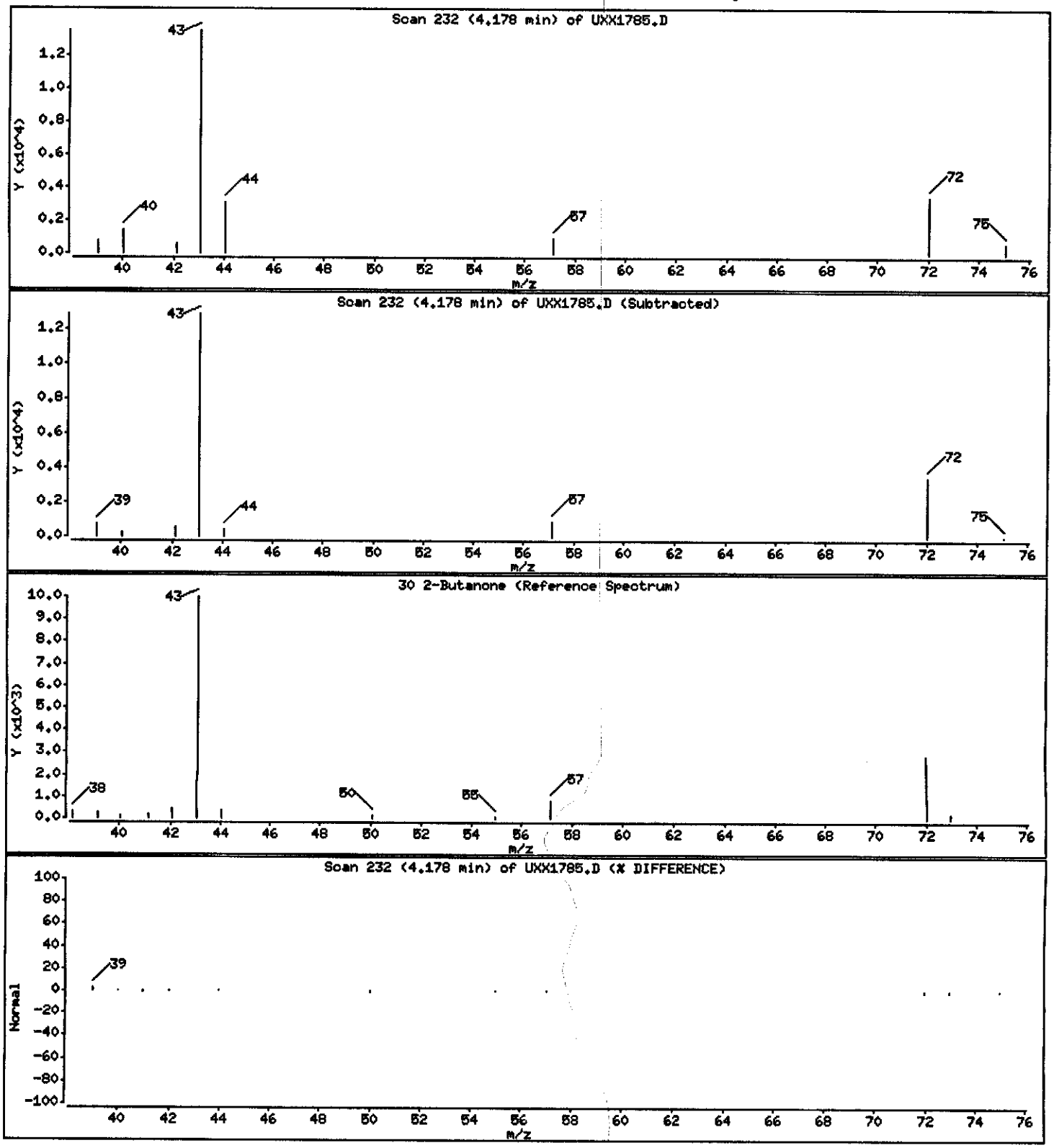
Operator: 1904

Column phase: DB624

Column diameter: 0.18

30 2-Butanone

Concentration: 1.426 ug/L



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Date : 27-SEP-2004 13:11

Client ID: VE537/0.5-10.5/0923

Instrument: a3ux10.i

Sample Info: GQ2CM1AA,5ML/5ML

Purge Volume: 5.0

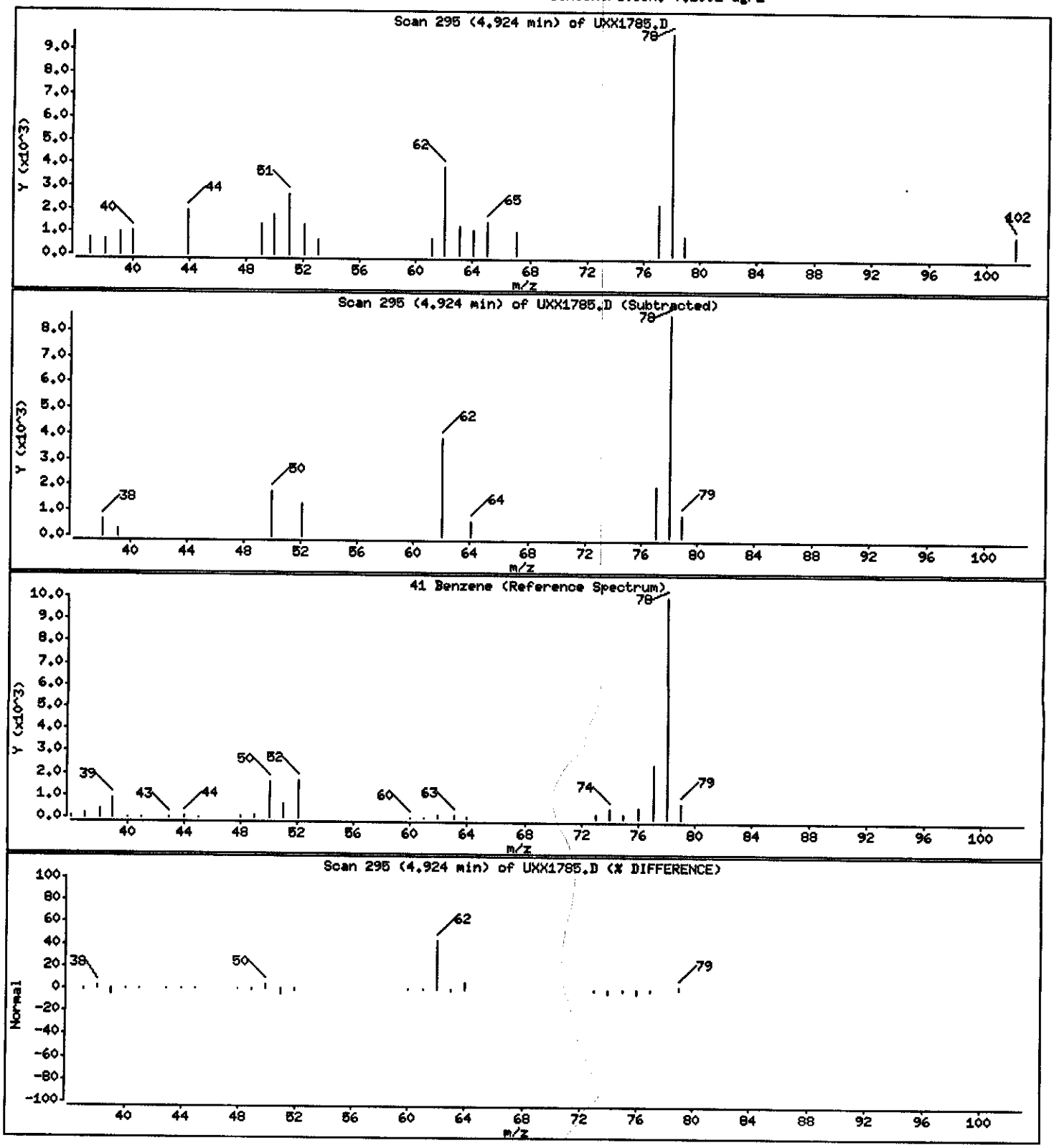
Operator: 1904

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 0.2992 ug/L



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Date : 27-SEP-2004 13:11

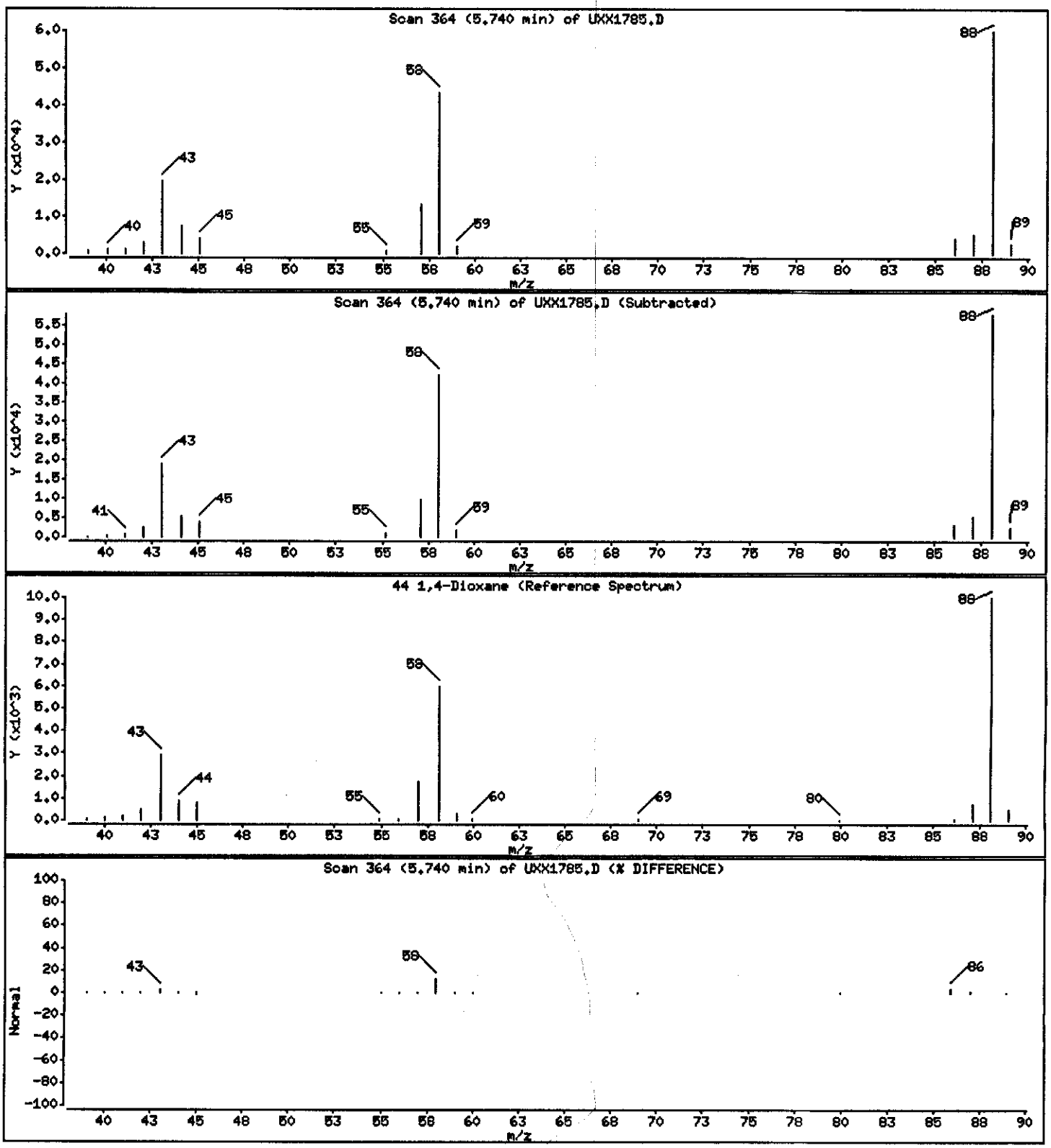
Client ID: VE537/0.5-10.5/0923 Instrument: a3ux10.i

Sample Info: GQ2CM1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 456.14 ug/L



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Date : 27-SEP-2004 13:11

Client ID: VE537/0.5-10.5/0923

Instrument: a3ux10.i

Sample Info: GQ2CM1AA,5ML/5ML

Purge Volume: 5.0

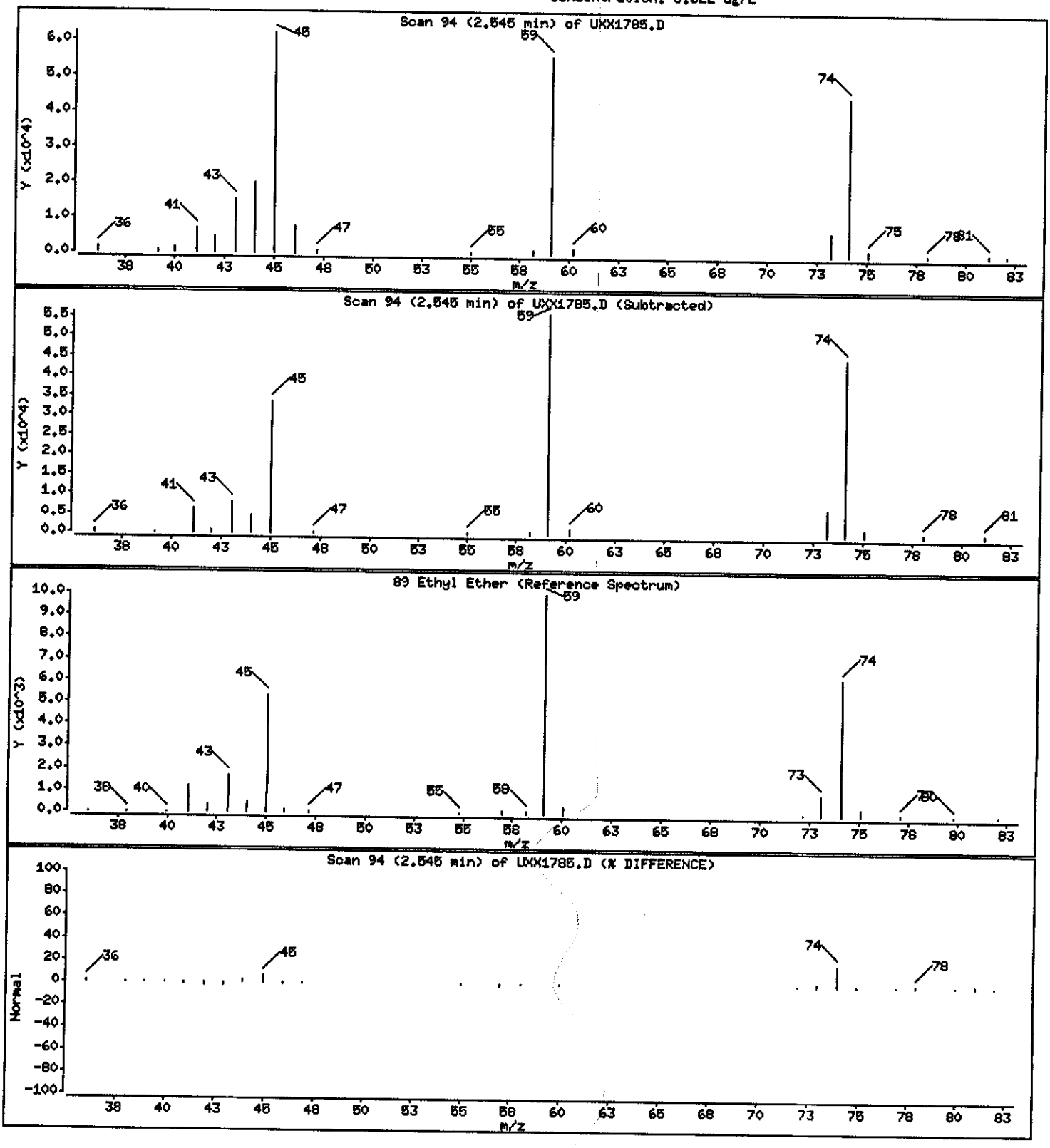
Operator: 1904

Column phase: DB624

Column diameter: 0.18

89 Ethyl Ether

Concentration: 3.622 ug/L



PAYNE FIRM INC.

Client Sample ID: VE537/12.5-17.5/092304

GC/MS Volatiles

Lot-Sample #...: A4I240108-004 **Work Order #...:** GQ2CN1AA **Matrix.....:** WG
Date Sampled...: 09/23/04 11:09 **Date Received..:** 09/24/04
Prep Date.....: 09/27/04 **Analysis Date..:** 09/27/04
Prep Batch #...: 4272202
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**4.7 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	**0.27 J,B**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	**1.3 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	**21 J**	**50**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: VE537/12.5-17.5/092304

GC/MS Volatiles

Lot-Sample #...: A4I240108-004 Work Order #...: GQ2CN1AA Matrix.....: WG

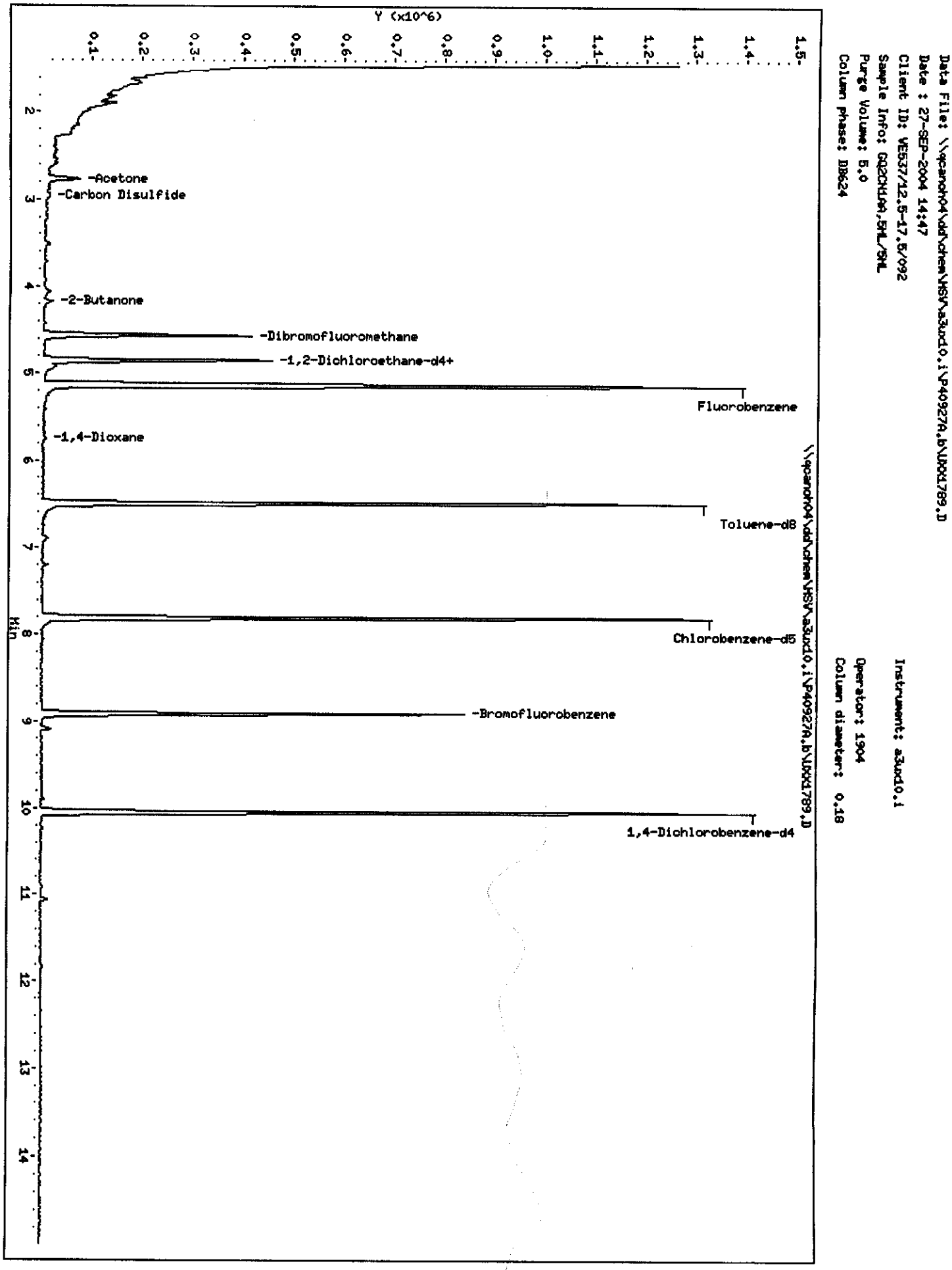
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	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	110	(73 - 122)
1,2-Dichloroethane-d4	111	(61 - 128)
Toluene-d8	103	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

NOTE(S):

J Estimated result. Result is less than *RL*.

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P40927A.b\UXX1789.D
Date : 27-SEP-2004 14:47
Client ID: VE537/12.5-17.5/092
Sample Info: GQ2CN1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Acetone
-Carbon Disulfide
-2-Butanone
-Dibromofluoromethane
-1,2-Dichloroethane-d4+
Fluorobenzene
-1,4-Dioxane
Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\HSV\a3ux10.i\P40927A.b\UXX1789.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1789.D
Report Date: 28-Sep-2004 10:35

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1789.D
Lab Smp Id: GQ2CN1AA Client Smp ID: VE537/12.5-17.5/092
Inj Date : 27-SEP-2004 14:47
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GQ2CN1AA,5ML/5ML
Misc Info : P40927A,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m
Meth Date : 28-Sep-2004 10:30 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.137	5.137	(1.000)	1394757	50.0000	
* 2 Chlorobenzene-d5	117	7.812	7.811	(1.000)	933312	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.048	10.048	(1.000)	438282	50.0000	
$ 4 Dibromofluoromethane	113	4.569	4.569	(0.889)	287662	55.1826	11.036
$ 5 1,2-Dichloroethane-d4	65	4.853	4.853	(0.945)	358540	55.4664	11.093
$ 6 Toluene-d8	98	6.498	6.498	(0.832)	985641	51.2703	10.254
$ 7 Bromofluorobenzene	95	8.912	8.912	(1.141)	345396	47.5689	9.514
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	2.771	2.770	(0.539)	103145	23.5870	4.717
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1789.D
Report Date: 28-Sep-2004 10:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	2.960	2.948	(0.576)	17625	1.12760	0.2255
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.179	4.179	(0.813)	28960	6.34662	1.269
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.936	4.912	(0.961)	34735	1.36855	0.2737
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.753	5.740	(1.120)	6469	106.637	21.327
	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\a3ux10.i\P40927A.b\UXX1789.D
Report Date: 28-Sep-2004 10:35

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\ohem\HSV\a3ux10.i\P40927A.b\UXX1789.D

Date : 27-SEP-2004 14:47

Client ID: VE537/12.5-17.5/092

Instrument: a3ux10.i

Sample Info: CQ2CN1AA,5ML/5ML

Purge Volume: 5.0

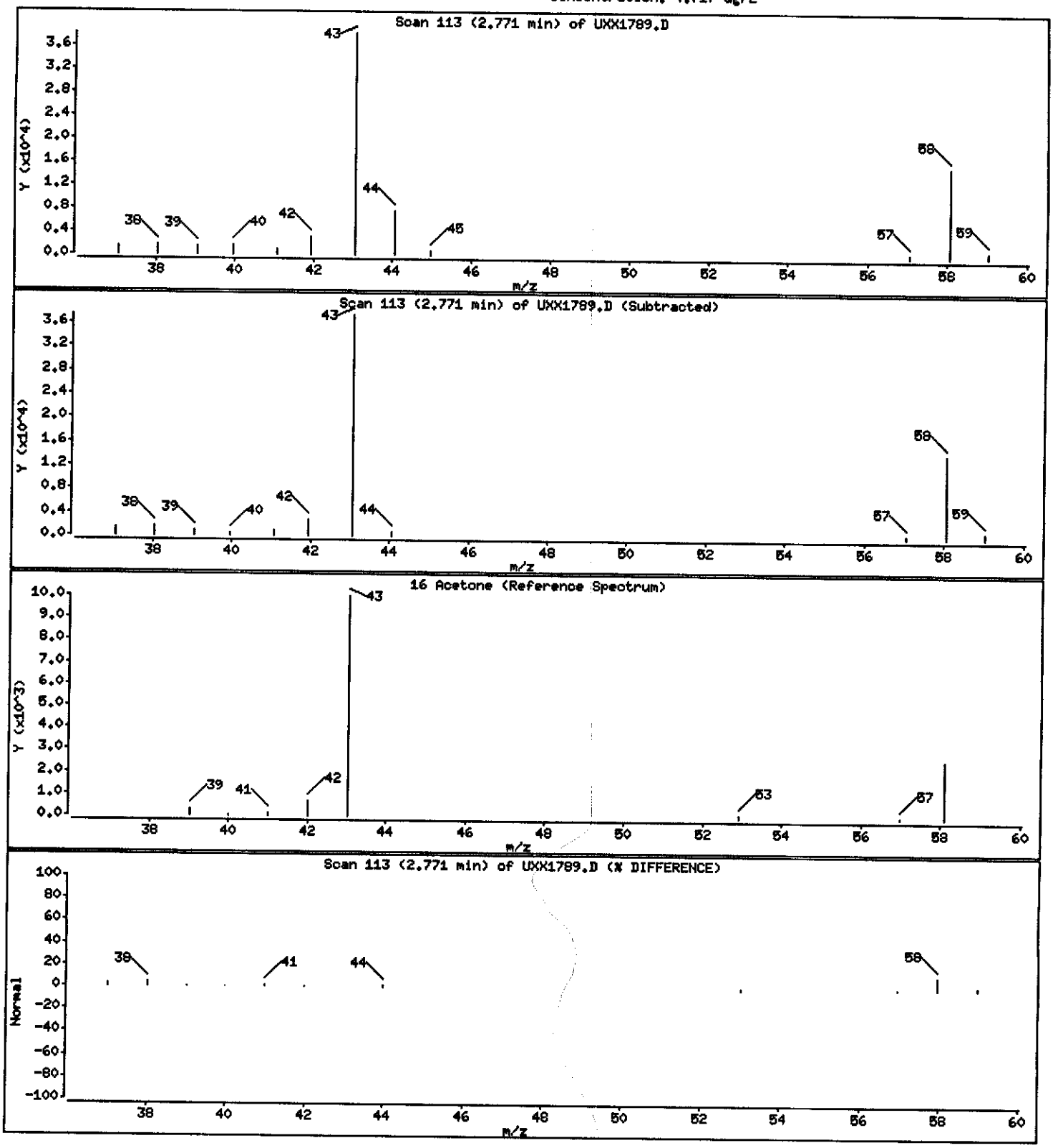
Operator: 1904

Column phase: DB624

Column diameter: 0.18

16 Acetone

Concentration: 4.717 ug/L



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Date : 27-SEP-2004 14:47

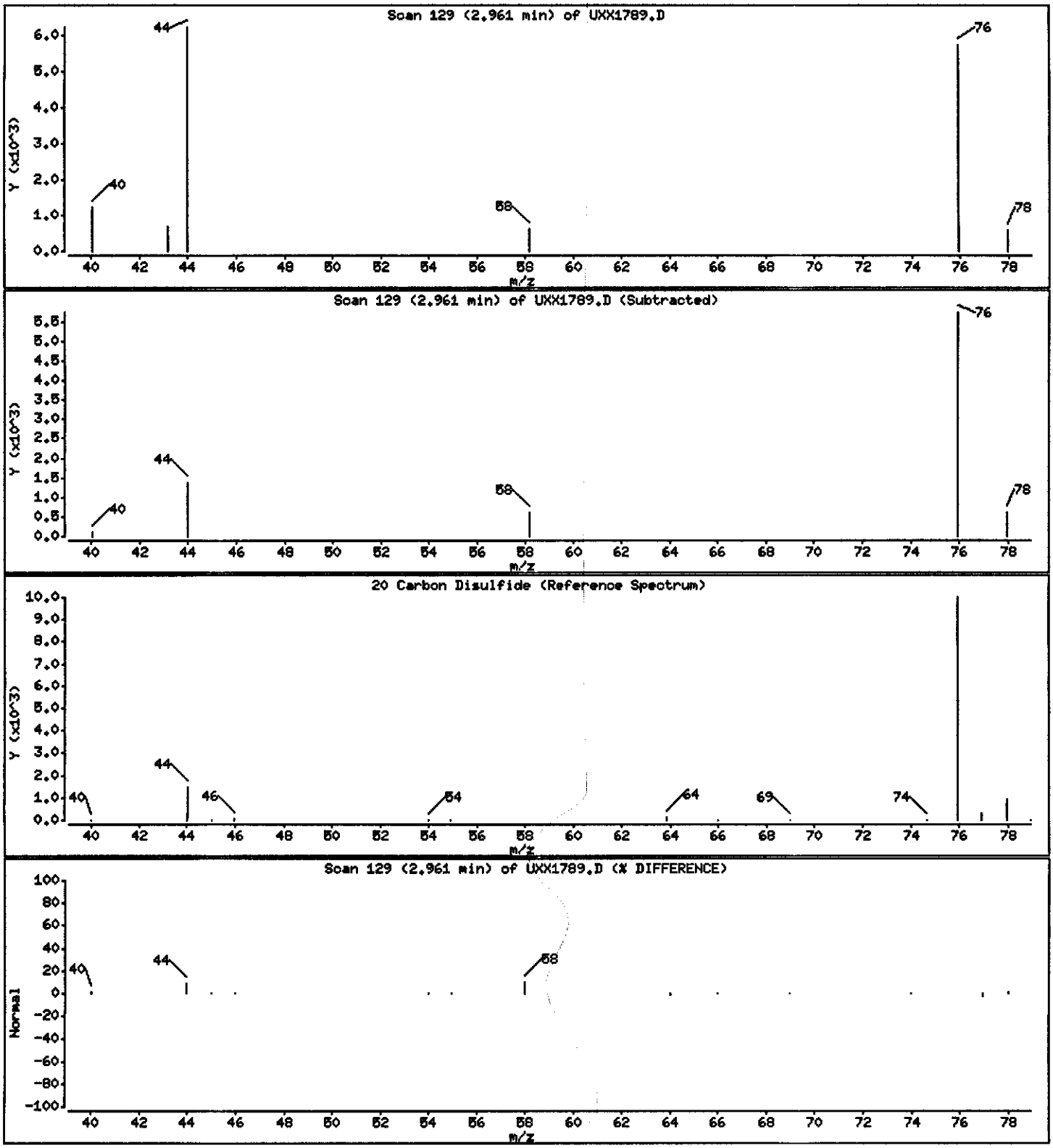
Client ID: VE537/12.5-17.5/092 Instrument: a3ux10.i

Sample Info: GQ2CN1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.2255 ug/L



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Date : 27-SEP-2004 14:47

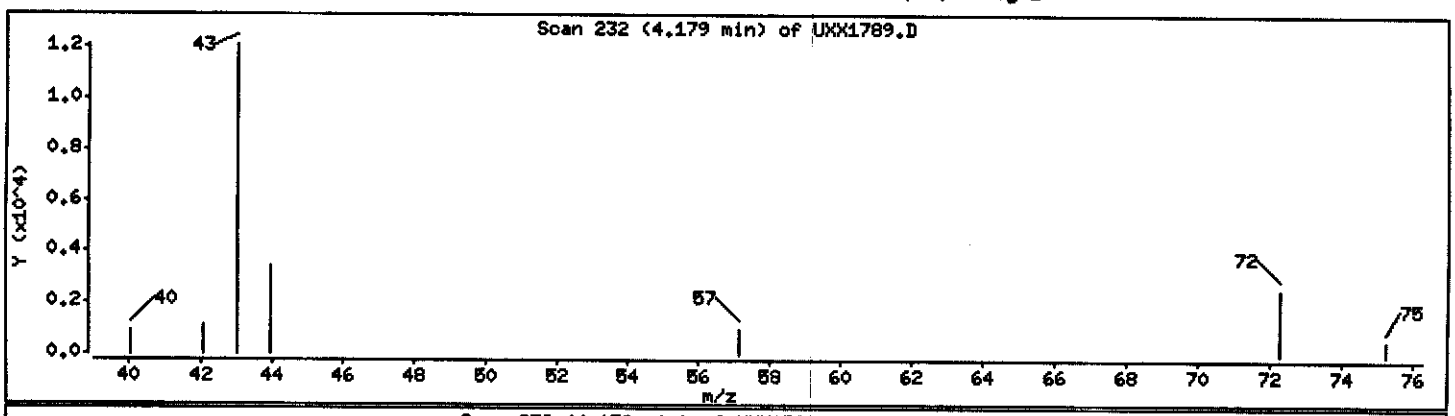
Client ID: VE537/12.5-17.5/092 Instrument: a3ux10.i

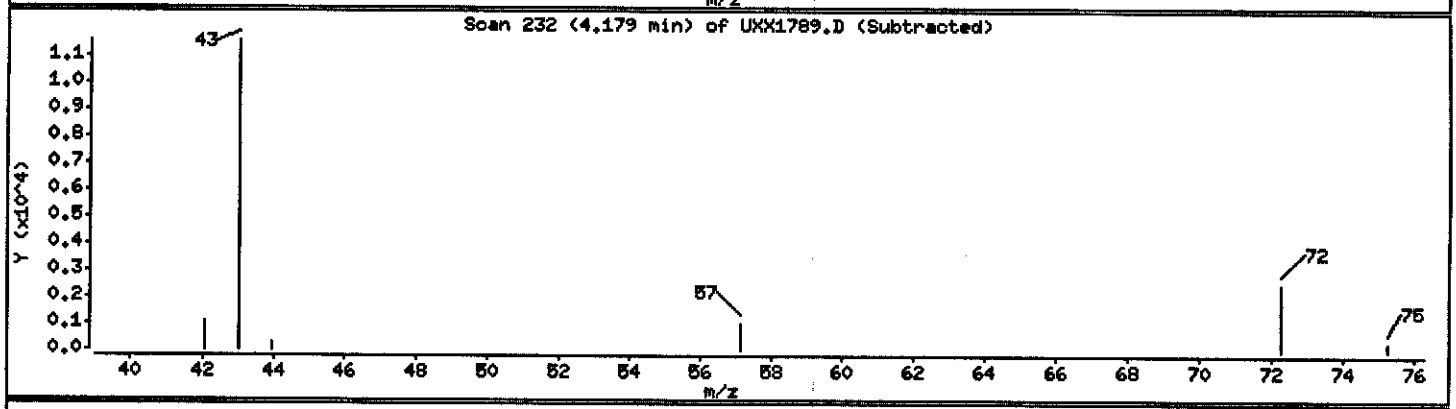
Sample Info: GQ2CN1AA,5ML/5ML

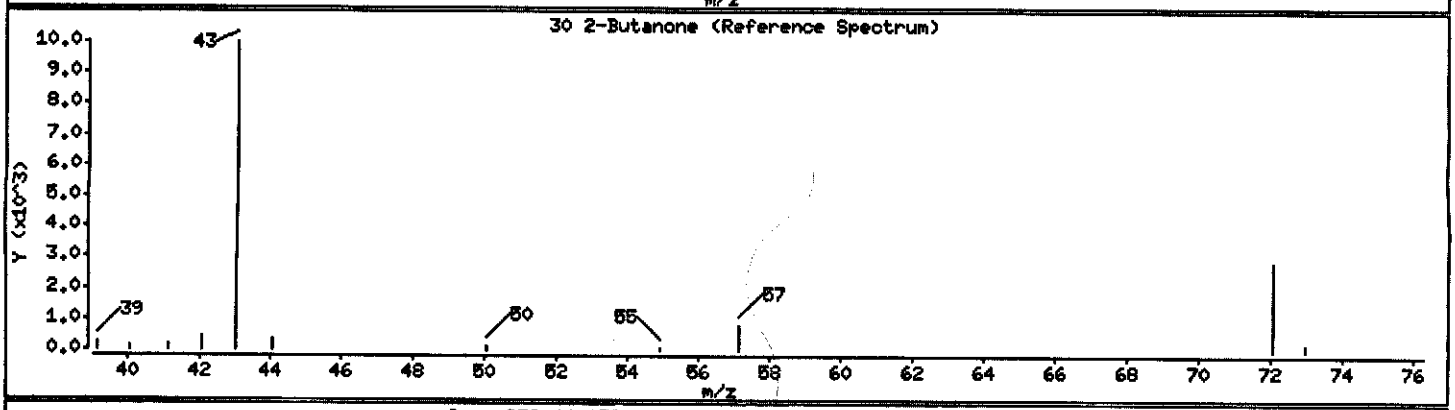
Purge Volume: 5.0 Operator: 1904

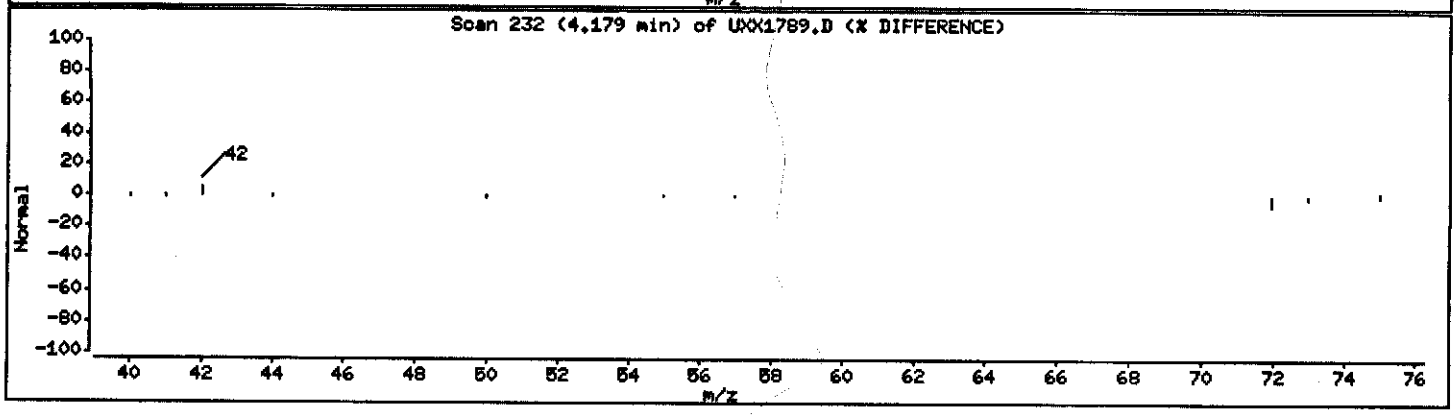
Column phase: DB624 Column diameter: 0.18

30 2-Butanone Concentration: 1.269 ug/L









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Date : 27-SEP-2004 14:47

Client ID: VE537/12.5-17.5/092

Instrument: a3ux10.i

Sample Info: GQ2CN1AA,5ML/5ML

Purge Volume: 5.0

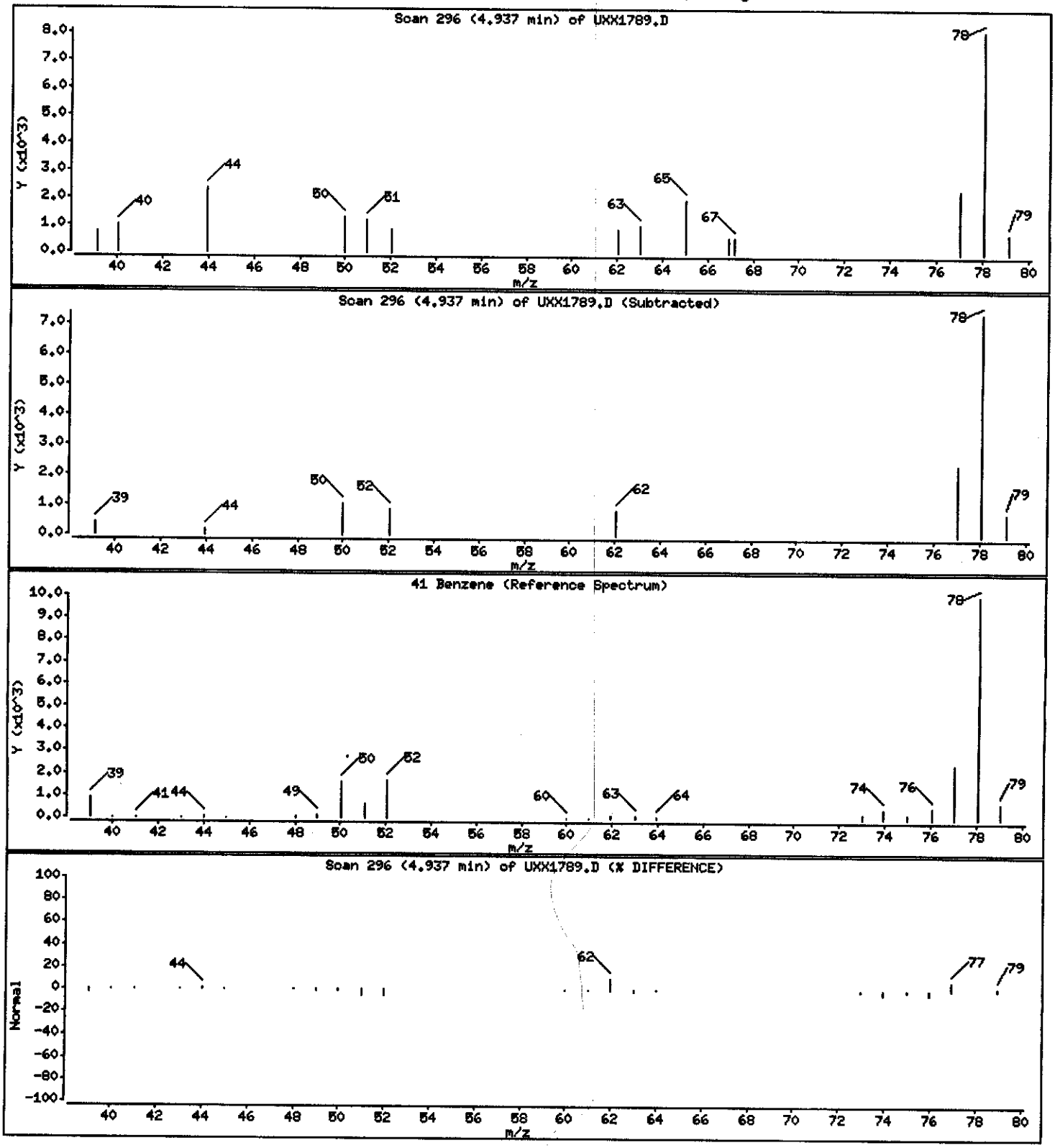
Operator: 1904

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 0.2737 ug/L



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Date : 27-SEP-2004 14:47

Client ID: VE537/12.5-17.5/092

Instrument: a3ux10.i

Sample Info: GQ2CN1AA,5ML/5ML

Purge Volume: 5.0

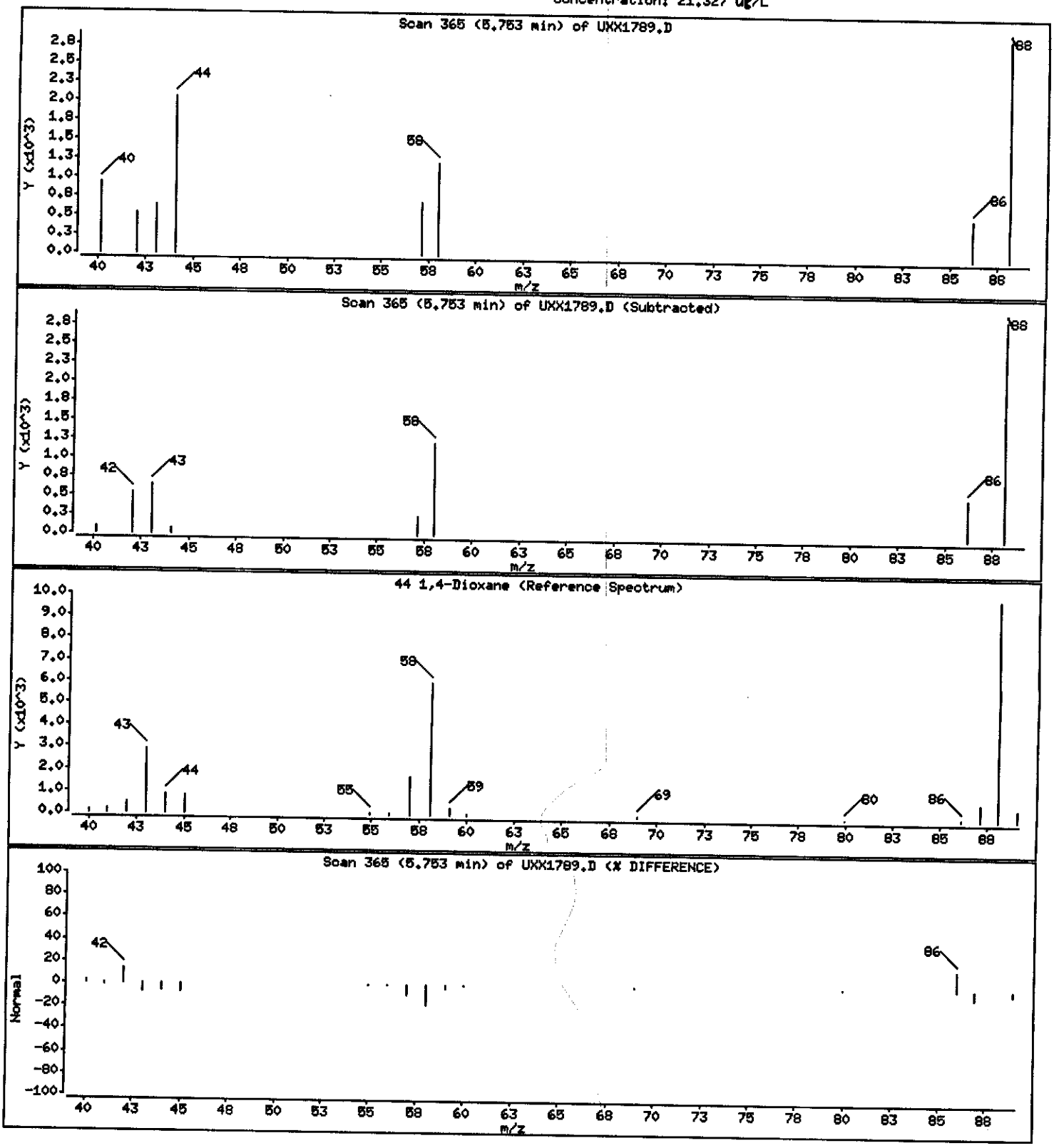
Operator: 1904

Column phase: DB624

Column diameter: 0.18

44 1,4-Dioxane

Concentration: 21.327 ug/L



PAYNE FIRM INC.

Client Sample ID: VE538/06.5-11.5/092304

GC/MS Volatiles

Lot-Sample #...: A4I240108-005 **Work Order #...:** GQ2CP1AA **Matrix.....:** WG
Date Sampled...: 09/23/04 11:14 **Date Received..:** 09/24/04
Prep Date.....: 09/27/04 **Analysis Date..:** 09/27/04
Prep Batch #...: 4272202
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.3 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	**0.25 J,B**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	**0.50 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	**13 J**	**50**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: VE538/06.5-11.5/092304

GC/MS Volatiles

Lot-Sample #...: A4I240108-005 **Work Order #...:** GQ2CP1AA **Matrix.....:** WG

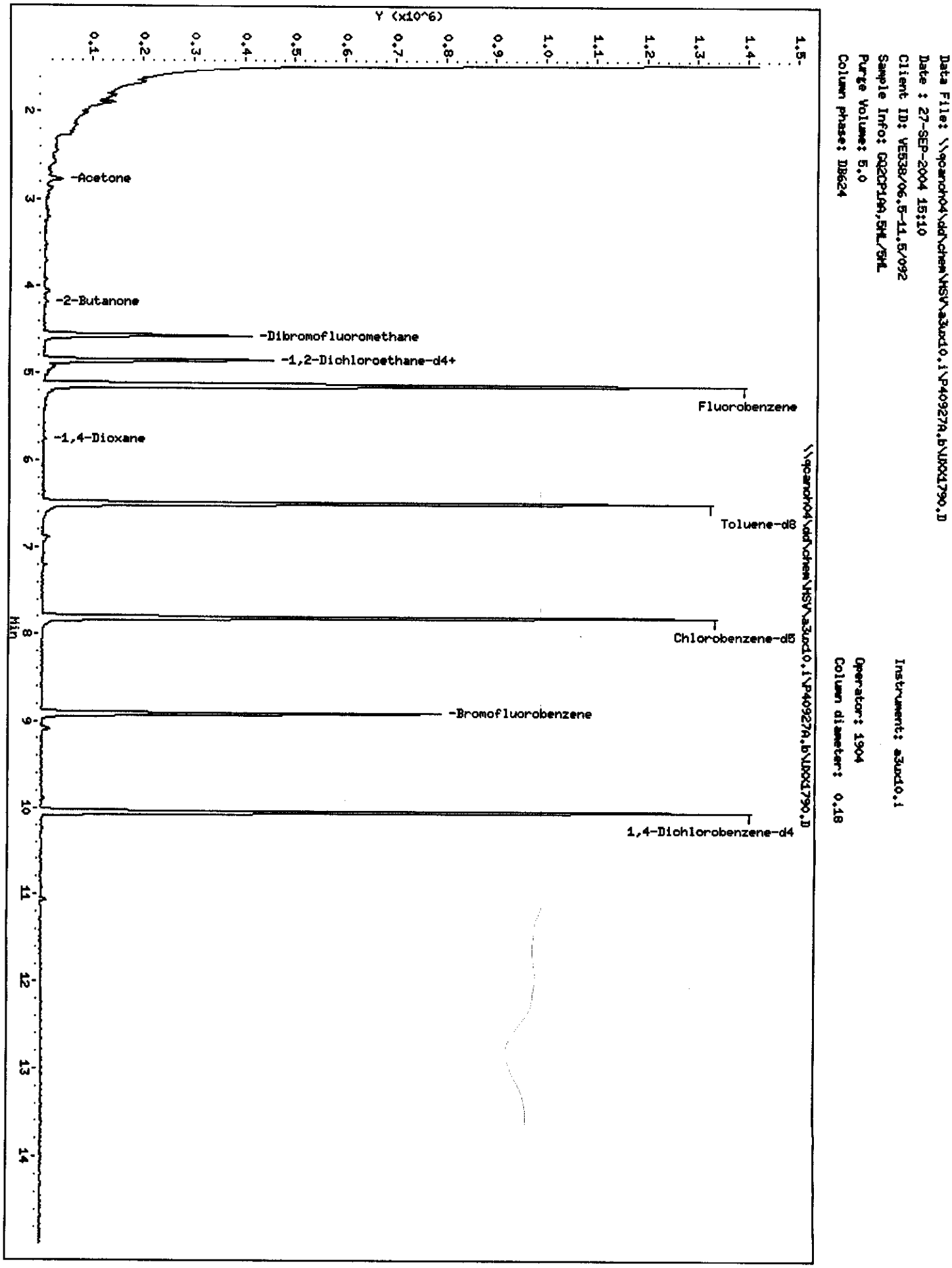
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	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	105	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.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Date : 27-SEP-2004 15:10
Client ID: VE538/06.5-11.5/092
Sample Info: GQ2CP1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Acetone
-2-Butanone
-Dibromofluoromethane
-1,2-Dichloroethane-d4+
Fluorobenzene
-1,4-Dioxane
Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\HSV\a3ux10.i\P40927A.b\UXX1790.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1790.D
Report Date: 28-Sep-2004 10:35

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1790.D
Lab Smp Id: GQ2CP1AA Client Smp ID: VE538/06.5-11.5/092
Inj Date : 27-SEP-2004 15:10
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GQ2CP1AA,5ML/5ML
Misc Info : P40927A,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m
Meth Date : 28-Sep-2004 10:30 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.137	5.137	(1.000)	1400552	50.0000	
* 2 Chlorobenzene-d5	117	7.811	7.811	(1.000)	938860	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.047	10.048	(1.000)	443372	50.0000	
$ 4 Dibromofluoromethane	113	4.569	4.569	(0.889)	274486	52.4371	10.487
$ 5 1,2-Dichloroethane-d4	65	4.853	4.853	(0.945)	339052	52.2346	10.447
$ 6 Toluene-d8	98	6.498	6.498	(0.832)	982846	50.8228	10.164
$ 7 Bromofluorobenzene	95	8.912	8.912	(1.141)	333413	45.6472	9.129
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	2.770	2.770	(0.539)	48417	6.57072	1.314
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1790.D
Report Date: 28-Sep-2004 10:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.190	4.179	(0.816)	11454	2.49977	0.5000
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.924	4.912	(0.959)	31265	1.22673	0.2453
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.752	5.740	(1.120)	4042	66.3536	13.271
	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\a3ux10.i\P40927A.b\UXX1790.D
Report Date: 28-Sep-2004 10:35

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\a3ux10.i\P40927A.b\UXX1790.D

Date : 27-SEP-2004 15:10

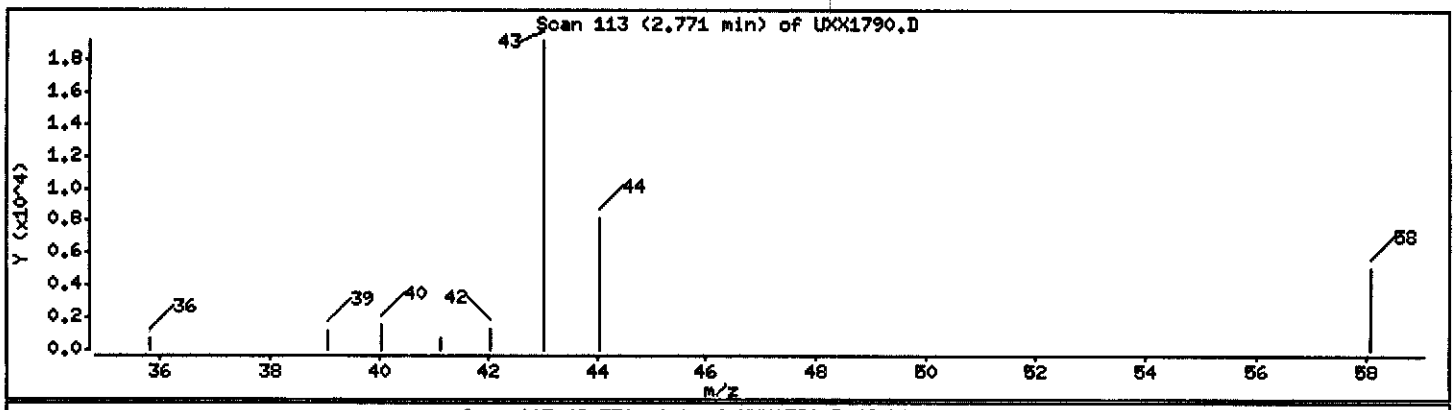
Client ID: VE538/06.5-11.5/092 Instrument: a3ux10.i

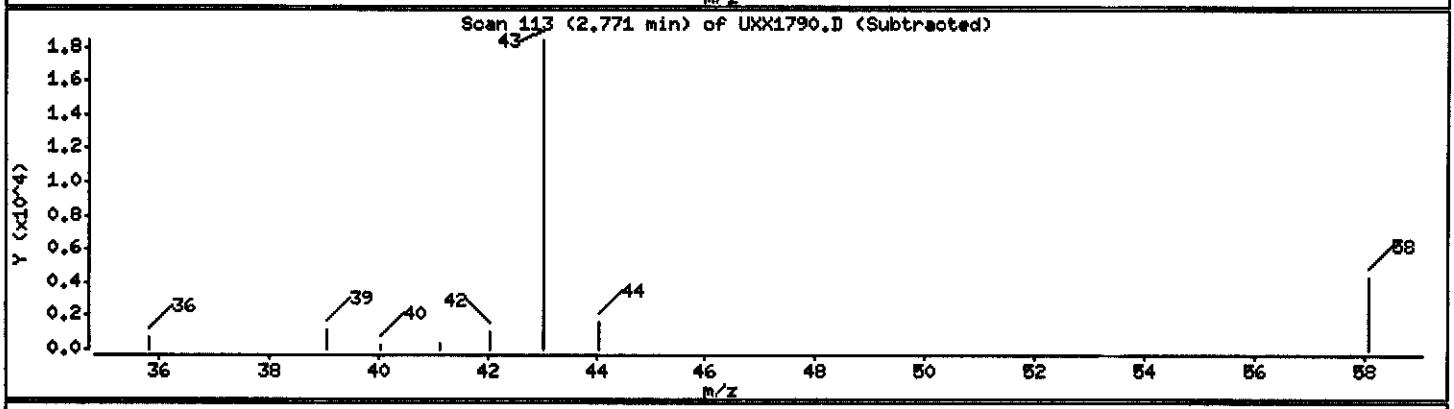
Sample Info: GQ2CP1AA,5ML/5ML

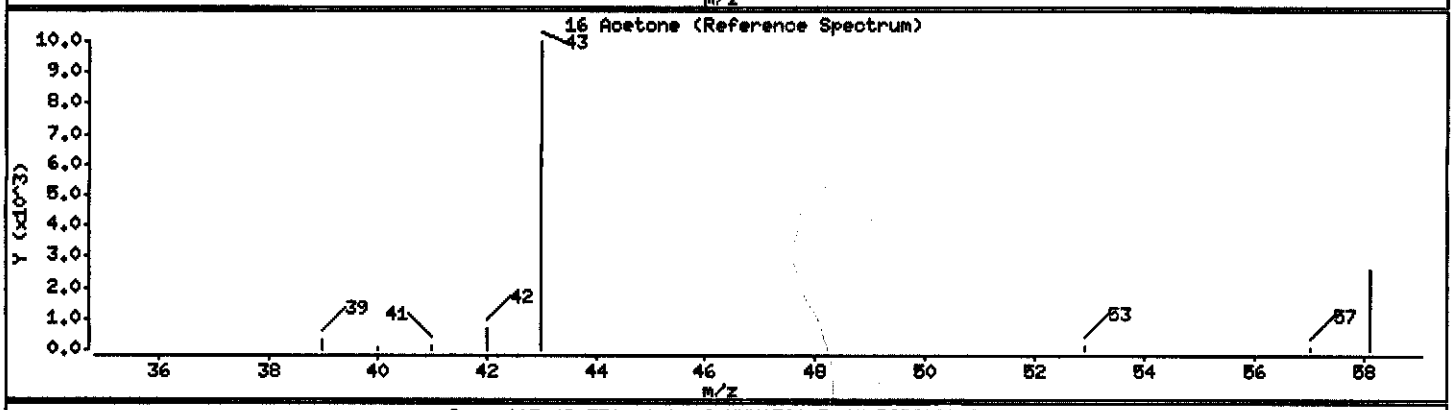
Purge Volume: 5.0 Operator: 1904

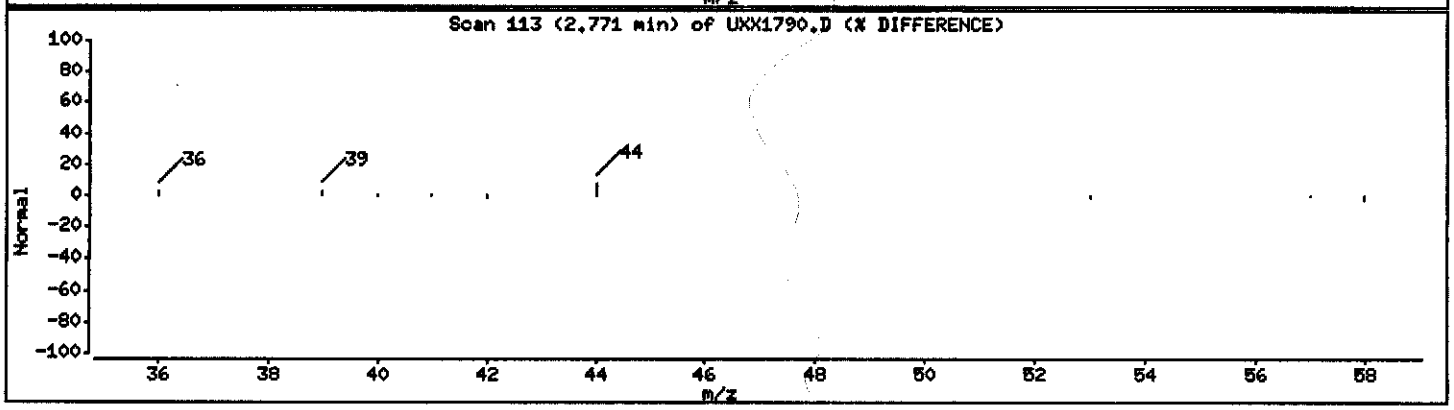
Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 1.314 ug/L









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Date : 27-SEP-2004 15:10

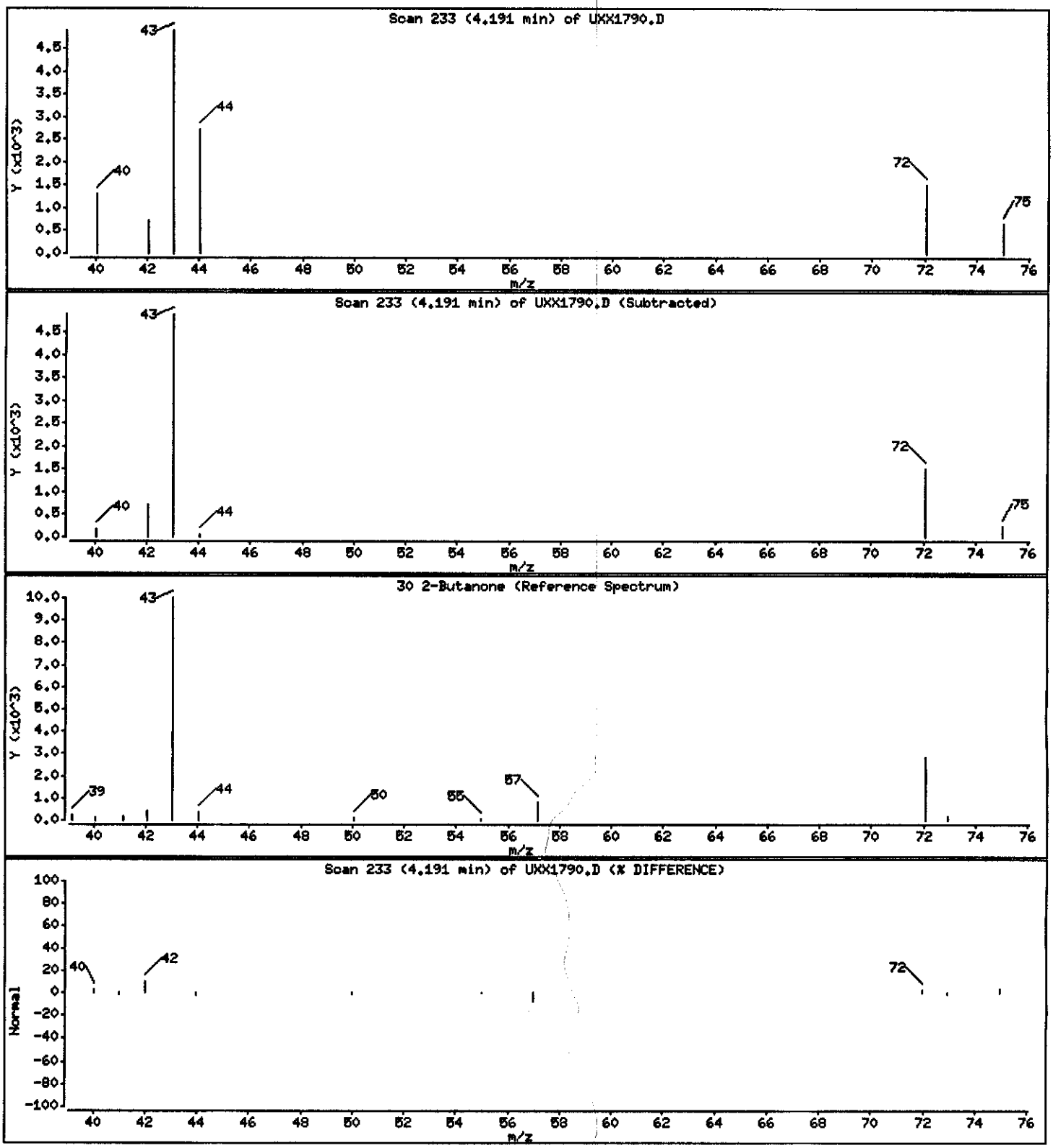
Client ID: VE538/06.5-11.5/092 Instrument: a3ux10.i

Sample Info: GQ2CP1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

30 2-Butanone Concentration: 0.5000 ug/L



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Date : 27-SEP-2004 15:10

Client ID: VE538/06.5-11.5/092

Instrument: a3ux10.i

Sample Info: GQ2CP1AA,5ML/5ML

Purge Volume: 5.0

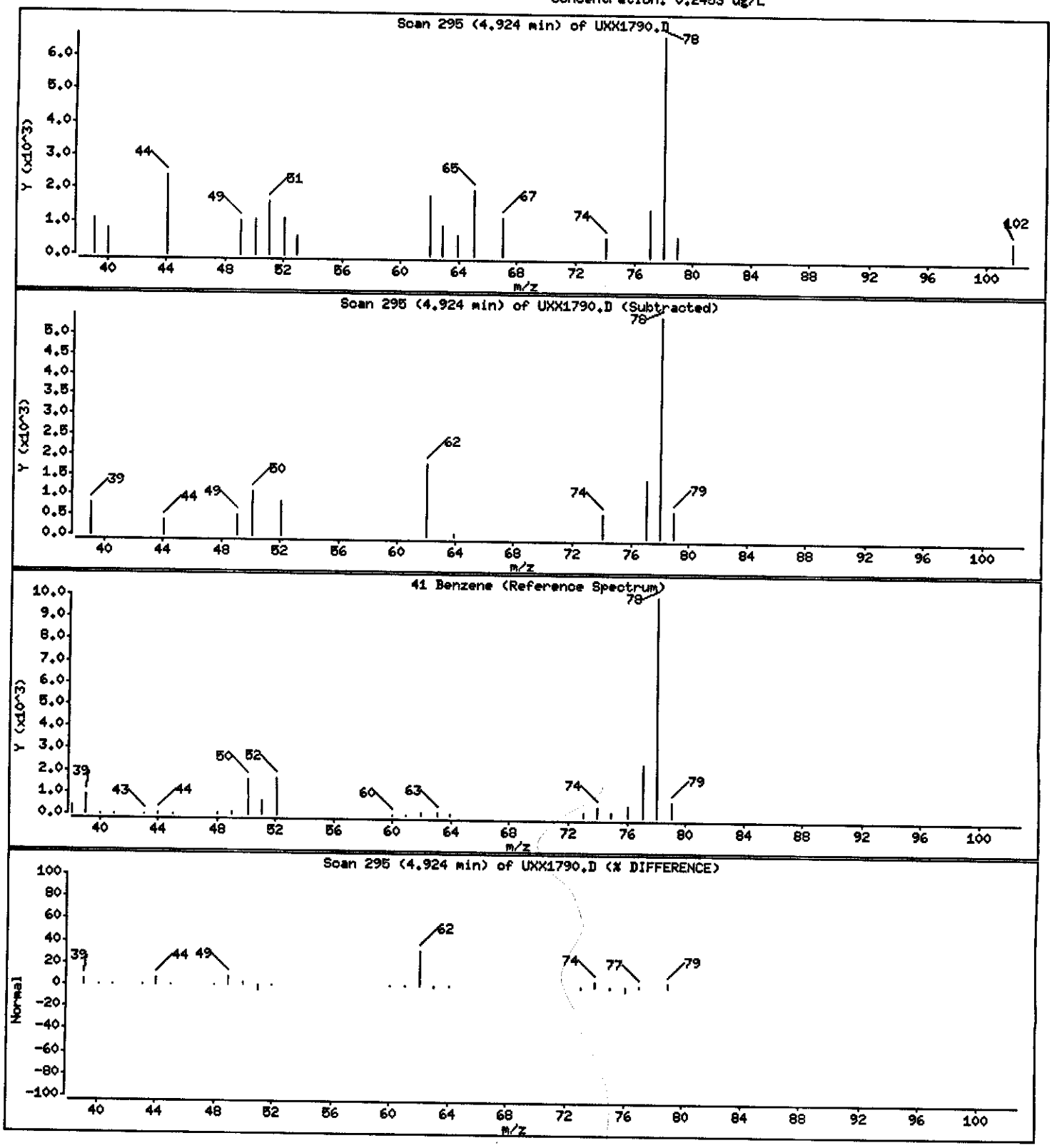
Operator: 1904

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 0.2453 ug/L



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Date : 27-SEP-2004 15:10

Client ID: VE538/06.5-11.5/092

Instrument: a3ux10.i

Sample Info: GQ2CP1AA,5ML/5ML

Purge Volume: 5.0

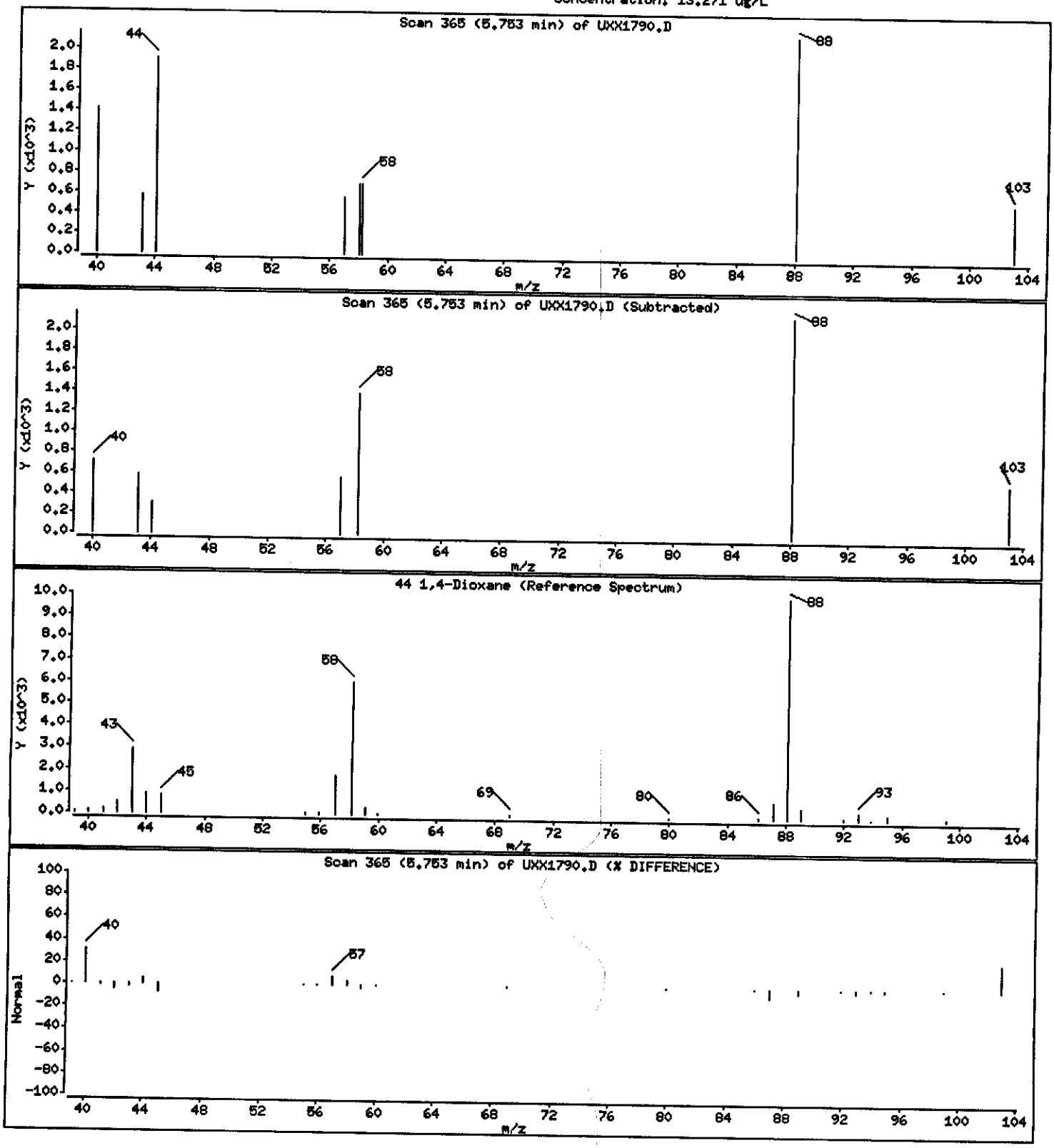
Operator: 1904

Column phase: DB624

Column diameter: 0.18

44 1,4-Dioxane

Concentration: 13.271 ug/L



PAYNE FIRM INC.

Client Sample ID: VE538/13-18/092304

GC/MS Volatiles

Lot-Sample #...: A4I240108-006 **Work Order #...:** GQ2CQ1AA **Matrix.....:** WG
Date Sampled...: 09/23/04 11:17 **Date Received..:** 09/24/04
Prep Date.....: 09/27/04 **Analysis Date..:** 09/27/04
Prep Batch #...: 4272202
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**3.4 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	**0.25 J,B**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	**0.92 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: VE538/13-18/092304

GC/MS Volatiles

Lot-Sample #...: A4I240108-006 **Work Order #...:** GQ2CQ1AA **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	111	(73 - 122)
1,2-Dichloroethane-d4	111	(61 - 128)
Toluene-d8	103	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

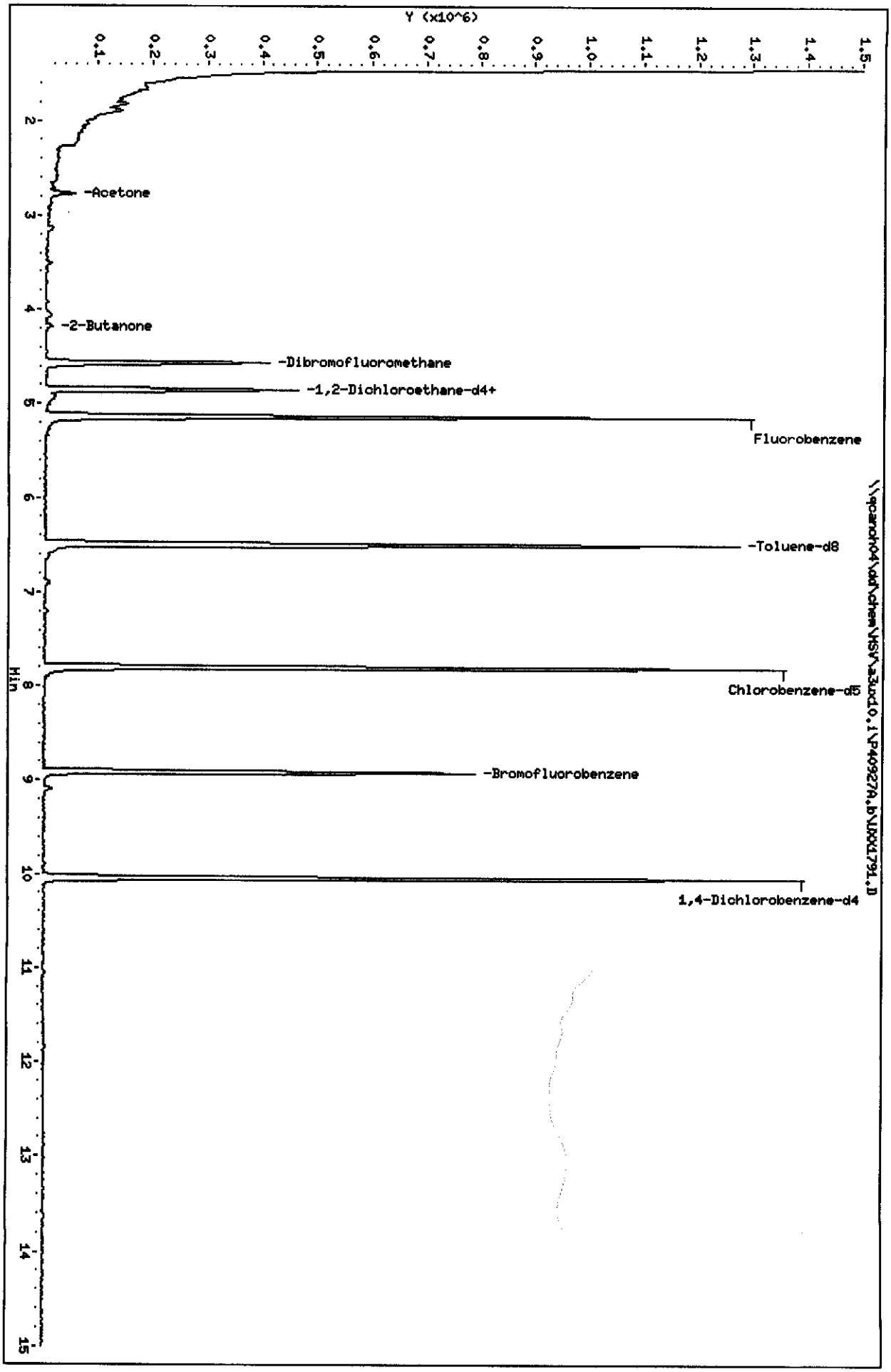
NOTE(S):

J Estimated result. Result is less than RL.

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P40927A.b\UXX1791.D
Date : 27-SEP-2004 15:33
Client ID: VE538/13-18/092304
Sample Info: GQ2CQ1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1791.D
Report Date: 28-Sep-2004 10:36

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1791.D
Lab Smp Id: GQ2CQ1AA Client Smp ID: VE538/13-18/092304
Inj Date : 27-SEP-2004 15:33
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GQ2CQ1AA,5ML/5ML
Misc Info : P40927A,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m
Meth Date : 28-Sep-2004 10:30 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.134	5.137	(1.000)	1340173	50.0000	
* 2 Chlorobenzene-d5	117	7.808	7.811	(1.000)	905395	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.048	(1.000)	424579	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.569	(0.889)	276902	55.2819	11.056
$ 5 1,2-Dichloroethane-d4	65	4.850	4.853	(0.945)	343913	55.3705	11.074
$ 6 Toluene-d8	98	6.495	6.498	(0.832)	960878	51.5233	10.305
$ 7 Bromofluorobenzene	95	8.921	8.912	(1.142)	332807	47.2483	9.450
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	2.768	2.770	(0.539)	78123	16.8463	3.369
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1791.D
Report Date: 28-Sep-2004 10:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.176	4.179	(0.813)	20077	4.57910	0.9158
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.921	4.912	(0.959)	31046	1.27302	0.2546
	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\a3ux10.i\P40927A.b\UXX1791.D
Report Date: 28-Sep-2004 10:36

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\a3ux10.i\P40927A.b\UXX1791.D

Date : 27-SEP-2004 15:33

Client ID: VE538/13-18/092304

Instrument: a3ux10.i

Sample Info: GQ2CQ1AA,5ML/5ML

Purge Volume: 5.0

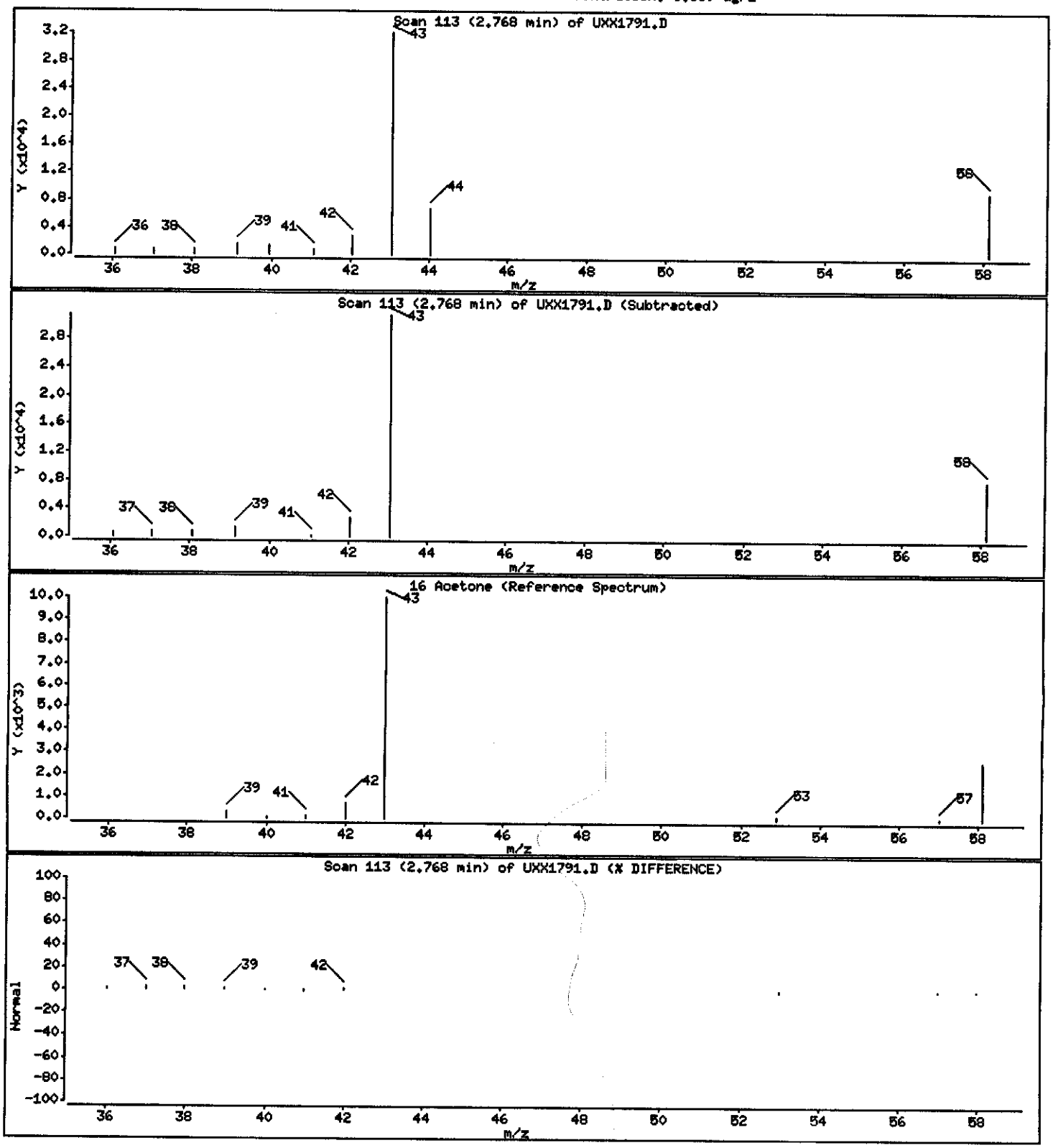
Operator: 1904

Column phase: DB624

Column diameter: 0.18

16 Acetone

Concentration: 3.369 ug/L



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Date : 27-SEP-2004 15:33

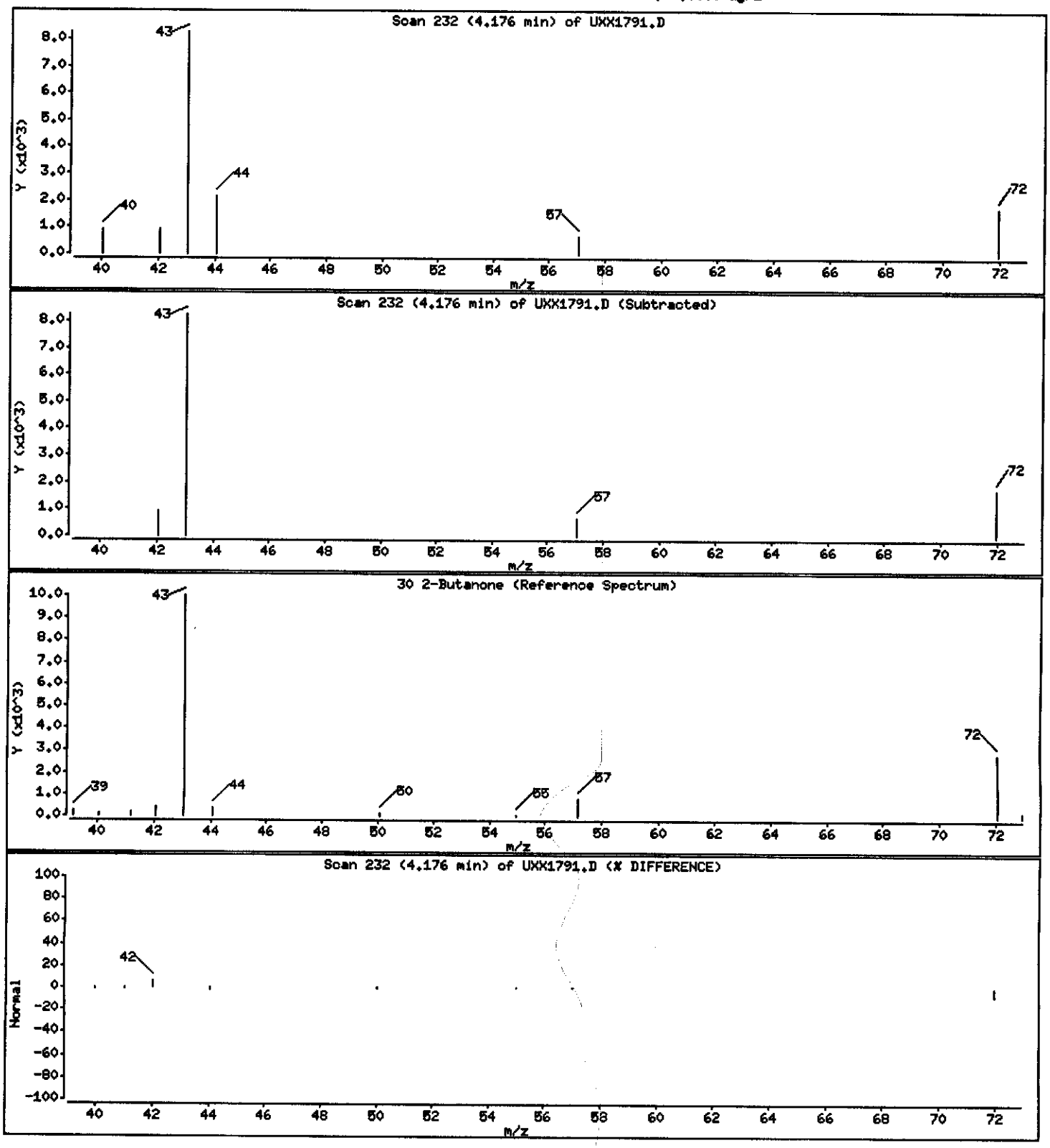
Client ID: VE538/13-18/092304 Instrument: a3ux10.i

Sample Info: GQ2CQ1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

30 2-Butanone Concentration: 0.9158 ug/L



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Date : 27-SEP-2004 15:33

Client ID: VE538/13-18/092304

Instrument: a3ux10.i

Sample Info: GQ2CQ1AA,5ML/5ML

Purge Volume: 5.0

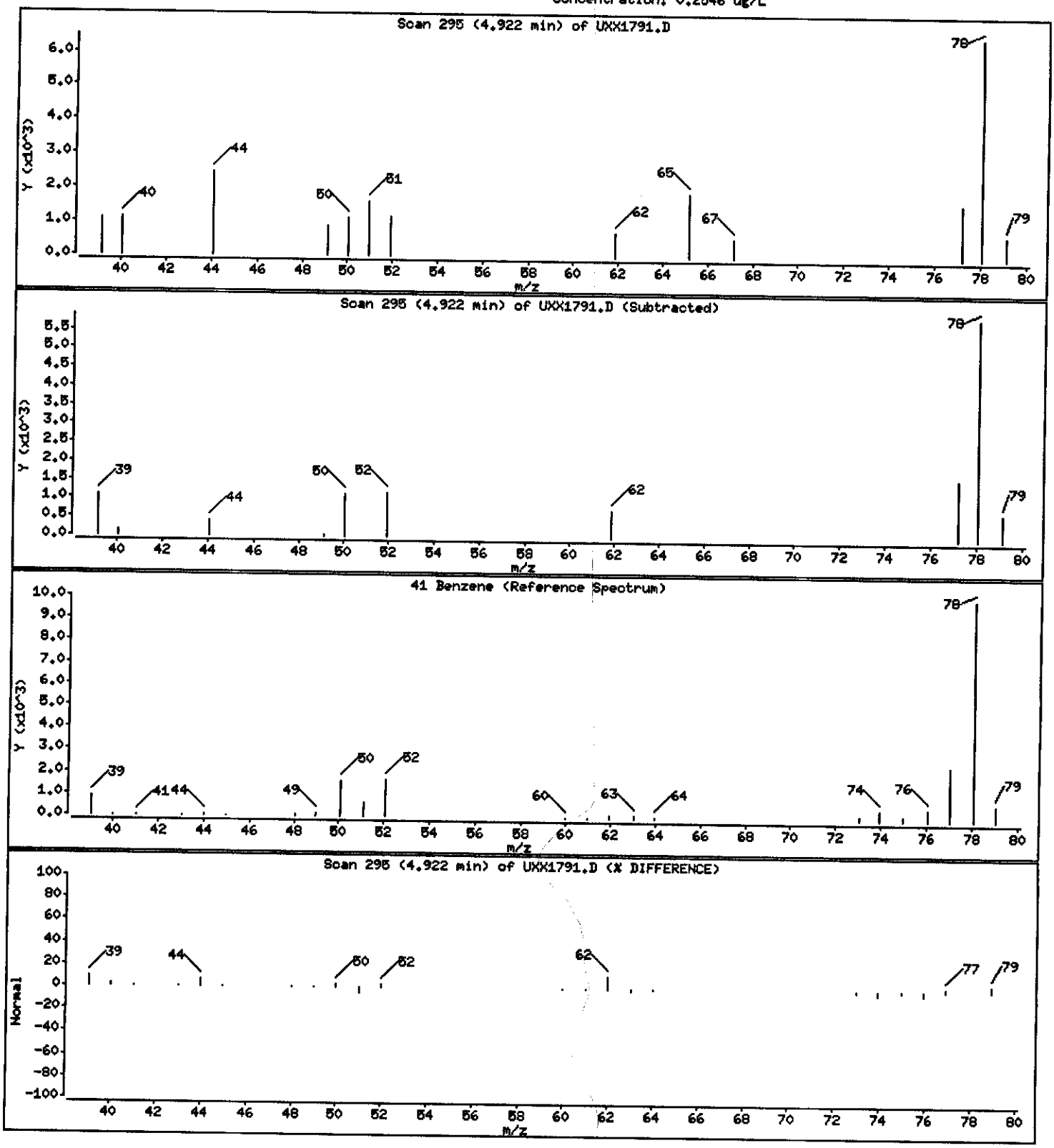
Operator: 1904

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 0.2546 ug/L



PAYNE FIRM INC.

Client Sample ID: TRIP BLANK/092304

GC/MS Volatiles

Lot-Sample #...: A4I240108-007	**Work Order #...:** GQ2CR1AA	**Matrix.....:** WQ
Date Sampled...: 09/23/04	**Date Received..:** 09/24/04	
Prep Date.....: 09/27/04	**Analysis Date..:** 09/27/04	
Prep Batch #...: 4272202		
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.1 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	**0.27 J,B**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	**0.53 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: TRIP BLANK/092304

GC/MS Volatiles

Lot-Sample #...: A4I240108-007 **Work Order #...:** GQ2CR1AA **Matrix.....:** WQ

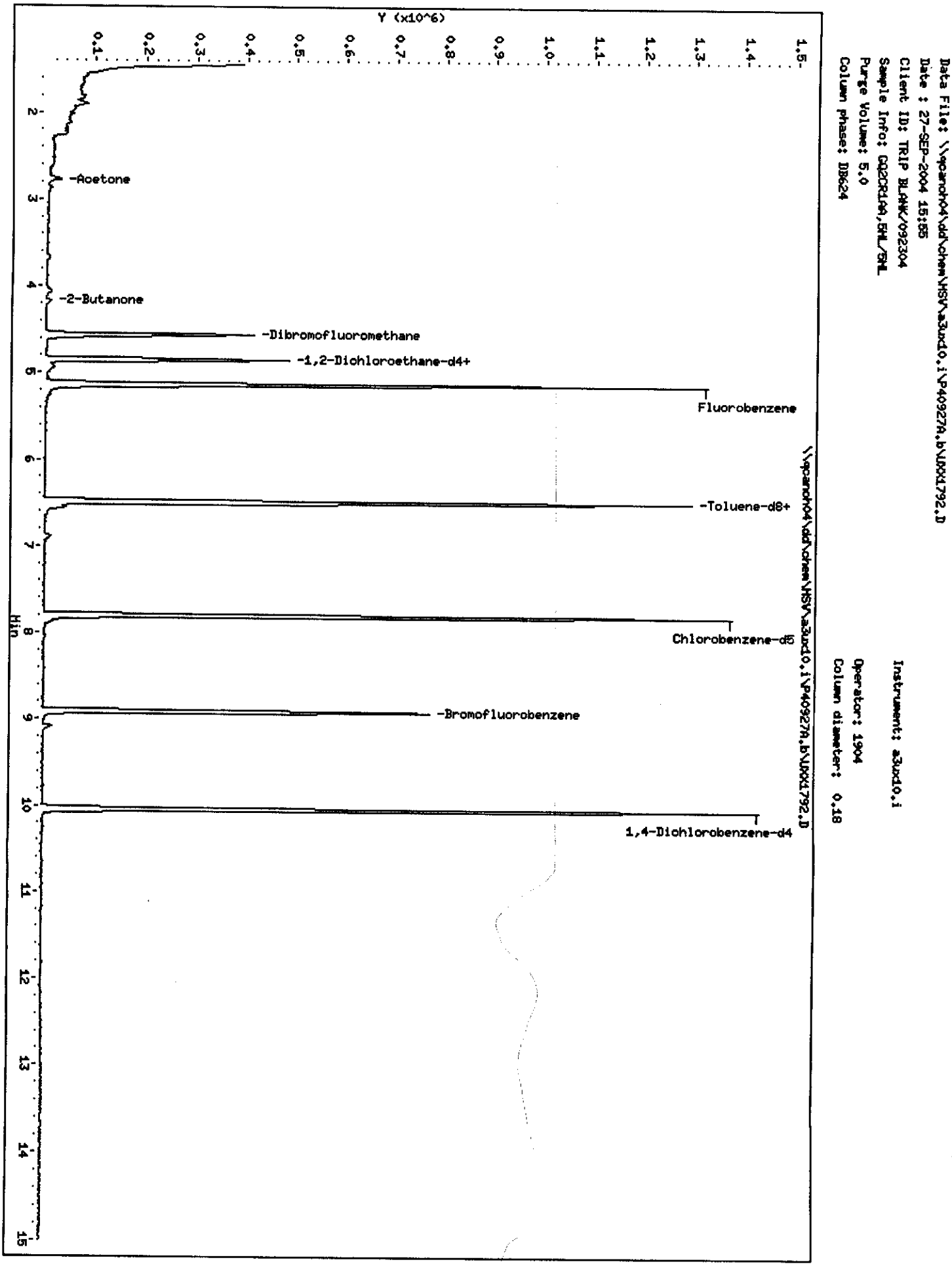
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.20 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
1,2-Dichloroethane-d4	114	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.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Date : 27-SEP-2004 15:55
Client ID: TRIP BLANK/092304
Sample Info: GQ2CR1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Acetone
-2-Butanone
-Dibromofluoromethane
-1,2-Dichloroethane-d4+
Fluorobenzene
-Toluene-d8+
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
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Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1792.D
Report Date: 28-Sep-2004 10:36

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1792.D
Lab Smp Id: GQ2CR1AA Client Smp ID: TRIP BLANK/092304
Inj Date : 27-SEP-2004 15:55
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GQ2CR1AA,5ML/5ML
Misc Info : P40927A,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m
Meth Date : 28-Sep-2004 10:30 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.135	5.137	(1.000)	1341710	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.811	(1.000)	913588	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.048	(1.000)	430935	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.569	(0.889)	265274	52.8998	10.580
$ 5 1,2-Dichloroethane-d4	65	4.851	4.853	(0.945)	352939	56.7587	11.352
$ 6 Toluene-d8	98	6.495	6.498	(0.832)	957738	50.8944	10.179
$ 7 Bromofluorobenzene	95	8.921	8.912	(1.142)	329990	46.4283	9.286
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	2.768	2.770	(0.539)	42569	5.33440	1.067
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1792.D
Report Date: 28-Sep-2004 10:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.176	4.179	(0.813)	11592	2.64084	0.5282
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.933	4.912	(0.961)	33327	1.36499	0.2730
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.555	6.557	(0.839)	22728	0.99869	0.1997
	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\a3ux10.i\P40927A.b\UXX1792.D
Report Date: 28-Sep-2004 10:36

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\a3ux10.i\P40927A.b\UXX1792.D

Date : 27-SEP-2004 15:55

Client ID: TRIP BLANK/092304

Instrument: a3ux10.i

Sample Info: GQ2CR1AA,5ML/5ML

Purge Volume: 5.0

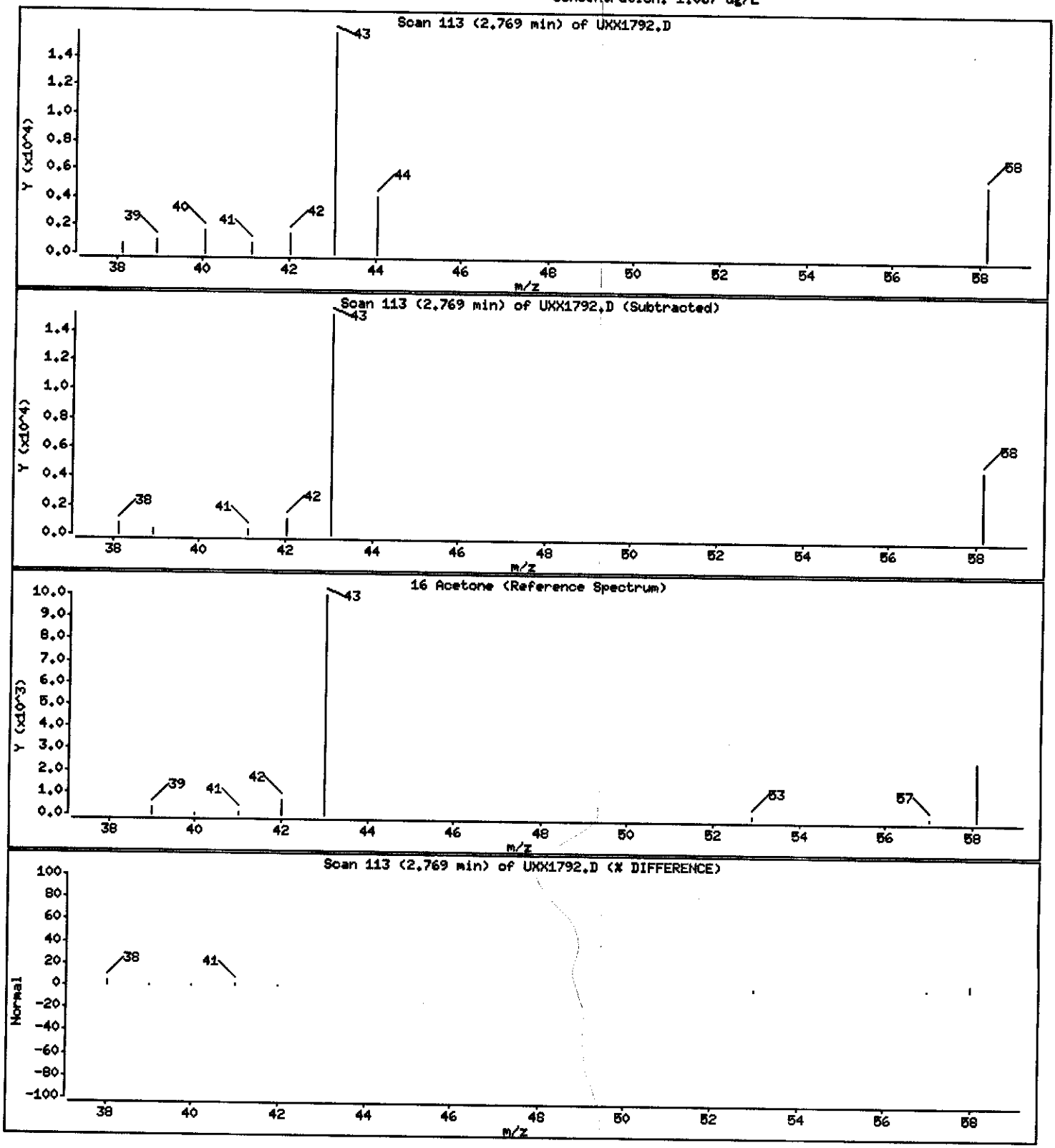
Operator: 1904

Column phase: DB624

Column diameter: 0.18

16 Acetone

Concentration: 1.067 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1792.D

Date : 27-SEP-2004 15:55

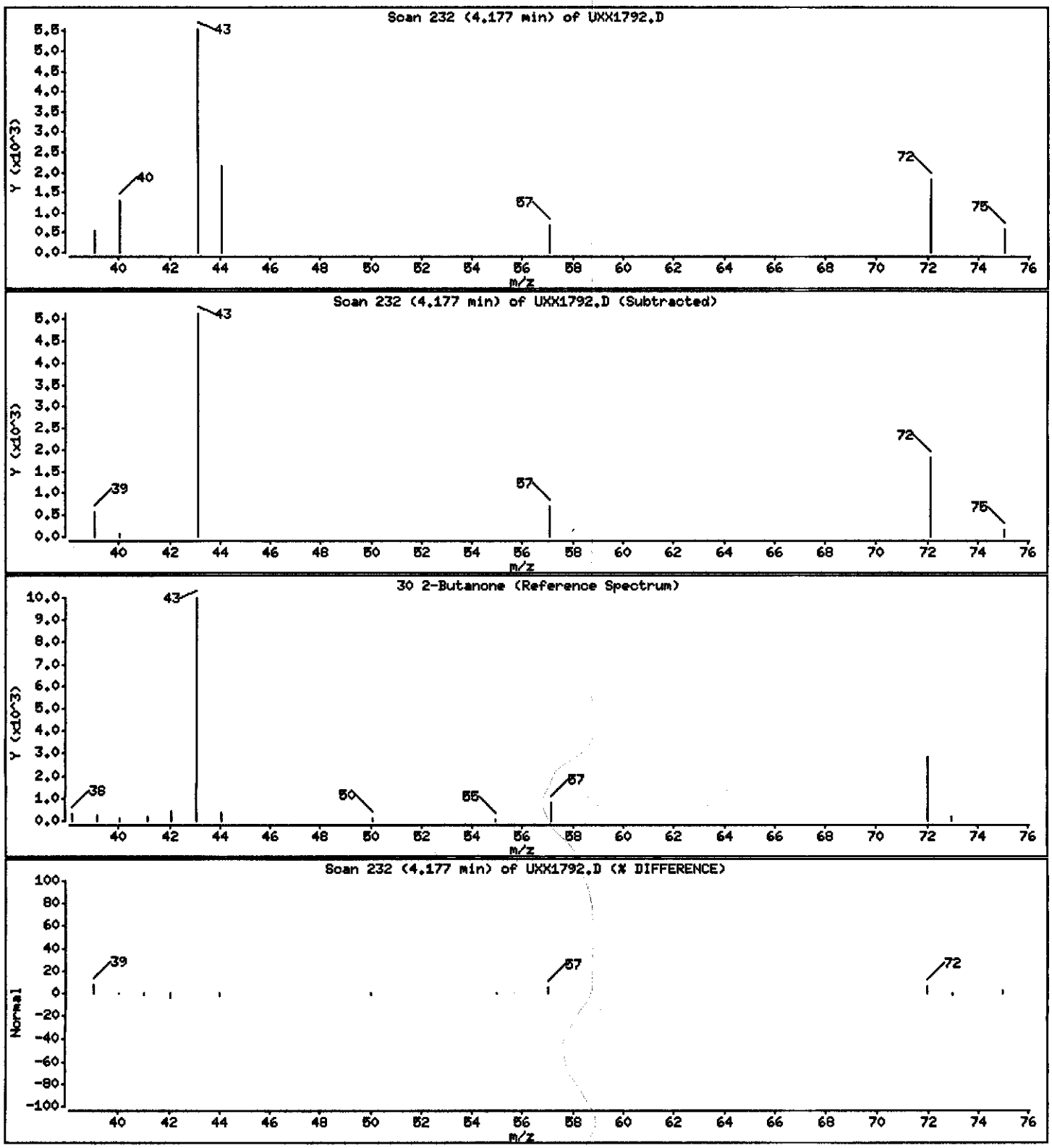
Client ID: TRIP BLANK/092304 | Instrument: a3ux10.i

Sample Info: GQ2CR1AA,5ML/5ML

Purge Volume: 5.0 | Operator: 1904

Column phase: DB624 | Column diameter: 0.18

30 2-Butanone | Concentration: 0.5282 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1792.D

Date : 27-SEP-2004 15:55

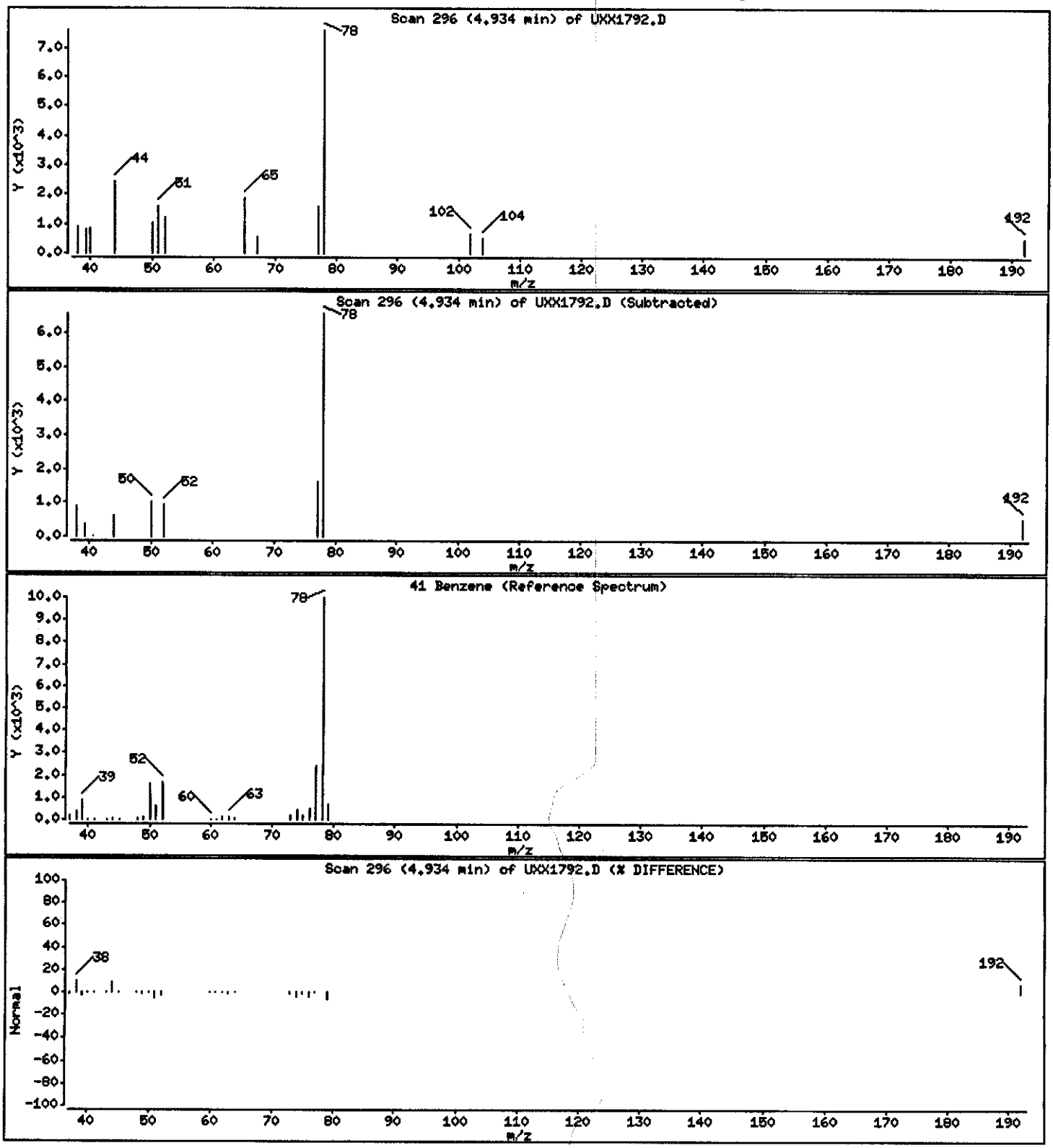
Client ID: TRIP BLANK/092304 Instrument: a3ux10.i

Sample Info: GQ2CR1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.2730 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1792.D

Date : 27-SEP-2004 15:55

Client ID: TRIP BLANK/092304

Instrument: a3ux10.i

Sample Info: GQ2CR1AA,5ML/5ML

Purge Volume: 5.0

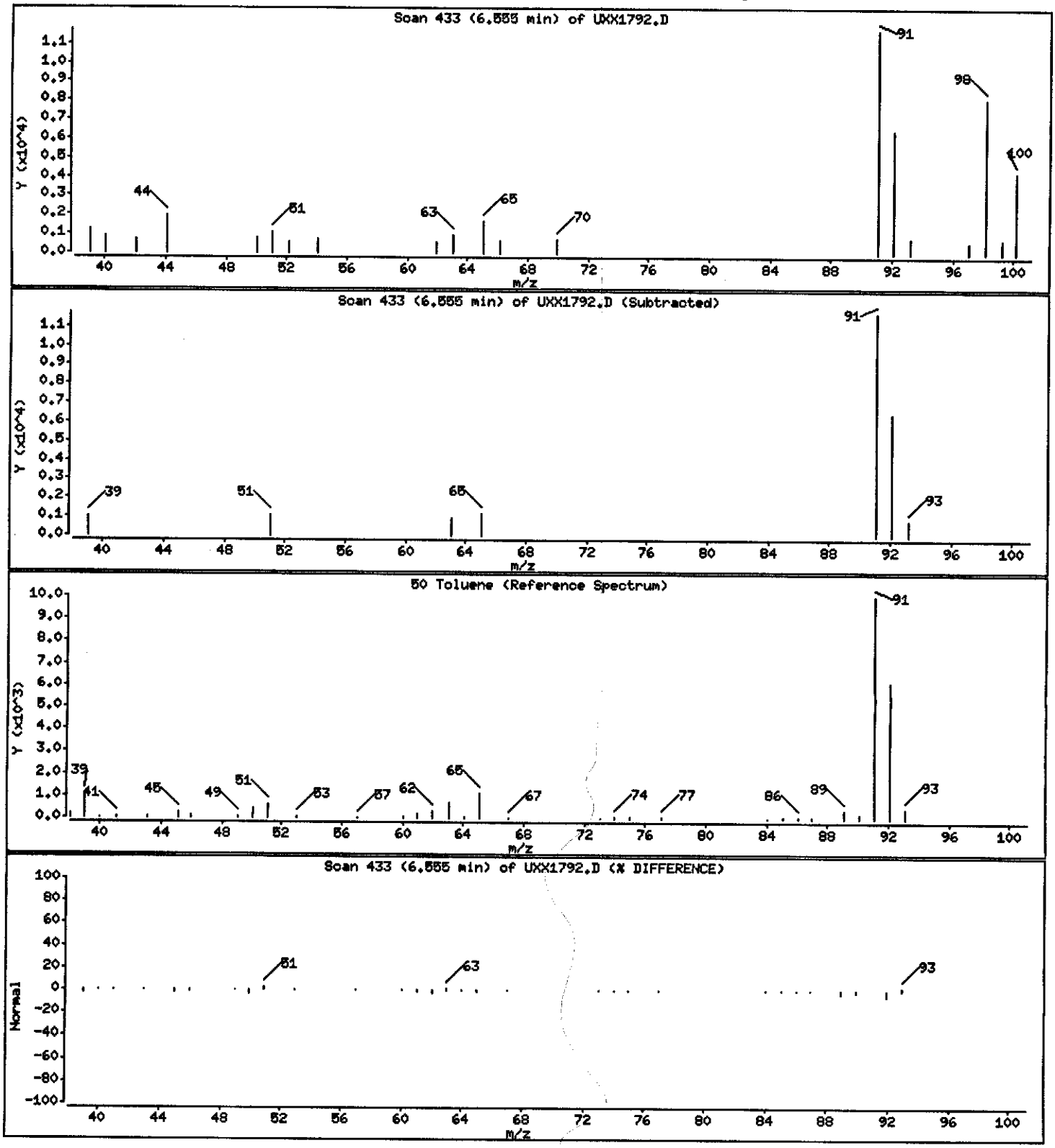
Operator: 1904

Column phase: DB624

Column diameter: 0.18

50 Toluene

Concentration: 0.1997 ug/L



SEVERN TRENT STL

STANDARD DATA

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
Start Cal Date: 11-AUG-2004 16:41
End Cal Date : 24-SEP-2004 14:45
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
24-AUG-2004 06:27	dimethox	UXX0877.D
12-AUG-2004 08:27	7-IX+	UXX0527.D
24-SEP-2004 14:45	2-8260	UXX1752.D
Cal Level: 2 , Cal Amount: 10.000		
24-AUG-2004 06:03	dimethox	UXX0876.D
12-AUG-2004 08:04	7-IX+	UXX0526.D
24-SEP-2004 14:22	2-8260	UXX1751.D
Cal Level: 3 , Cal Amount: 25.000		
24-AUG-2004 05:40	dimethox	UXX0875.D
12-AUG-2004 07:41	7-IX+	UXX0525.D
24-SEP-2004 13:59	2-8260	UXX1750.D
Cal Level: 4 , Cal Amount: 50.000		
24-AUG-2004 05:17	dimethox	UXX0874.D
12-AUG-2004 07:18	7-IX+	UXX0524.D
24-SEP-2004 13:35	2-8260	UXX1749.D
Cal Level: 5 , Cal Amount: 100.00		
24-AUG-2004 04:54	dimethox	UXX0873.D
12-AUG-2004 06:56	7-IX+	UXX0523.D
24-SEP-2004 13:12	2-8260	UXX1748.D
Cal Level: 6 , Cal Amount: 200.00		
24-AUG-2004 04:31	dimethox	UXX0872.D
12-AUG-2004 06:33	7-IX+	UXX0522.D
24-SEP-2004 12:49	2-8260	UXX1747.D

Continuing Calibration

Report Date : 24-Sep-2004 16:08

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 24-SEP-2004 14:45
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
Cal Date : 24-Sep-2004 16:07 quayler
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0877.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0876.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0875.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0874.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0873.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0872.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	0.07160	0.08387	0.08262	0.09962	0.11635	+++++	0.09081	19.182
9 Chloromethane	0.20718	0.22661	0.21553	0.22069	0.22310	0.18959	0.21379	6.383
10 Vinyl Chloride	0.16650	0.19310	0.17556	0.19419	0.18938	0.16713	0.18098	7.088
11 Bromomethane	0.05500	0.04976	0.04971	0.04167	0.04980	0.05388	0.04997	9.368
12 Chloroethane	0.12641	0.11652	0.12216	0.12640	0.13407	0.13901	0.12743	6.347
13 Trichlorofluoromethane	0.13743	0.16125	0.15195	0.16854	0.22512	0.22910	0.17890	21.679
14 Dichlorofluoromethane	0.33515	0.33081	0.37981	0.39398	0.40332	0.43223	0.37922	10.479
15 Acrolein	0.03691	0.03899	0.03579	0.03861	0.03860	0.04406	0.03883	7.326
16 Acetone	0.18424	0.16686	0.13569	0.13522	0.12638	0.14071	0.14818	15.104
17 1,1-Dichloroethene	0.16852	0.17178	0.15361	0.17785	0.18022	0.18846	0.17341	6.878
18 Freon-113	0.09386	0.10897	0.09198	0.09565	0.11627	0.11755	0.10404	11.175
19 Iodomethane	0.26541	0.27663	0.26238	0.25400	0.26611	0.26336	0.26465	2.758
20 Carbon Disulfide	0.53618	0.55717	0.54262	0.55964	0.58135	0.58503	0.56033	3.533
21 Methylene Chloride	0.28461	0.25509	0.22924	0.21330	0.20556	0.20425	0.23201	13.803
22 Acetonitrile	0.03375	0.03314	0.02790	0.02927	0.02716	0.03113	0.03039	8.988
23 Acrylonitrile	0.09374	0.09858	0.09893	0.10086	0.09965	0.10288	0.09911	3.086
24 Methyl tert-butyl ether	0.56951	0.61422	0.61643	0.62500	0.63445	0.64647	0.61768	4.282
25 trans-1,2-Dichloroethene	0.20569	0.23076	0.22166	0.22183	0.22175	0.22502	0.22112	3.771
26 Hexane	0.04063	0.03887	0.03120	0.03467	0.04196	0.03980	0.03786	10.815
27 Vinyl acetate	0.35091	0.38516	0.37381	0.40872	0.40968	0.43683	0.39419	7.727
28 1,1-Dichloroethane	0.32999	0.36305	0.35951	0.34192	0.34851	0.36083	0.35063	3.704
29 tert-Butyl Alcohol	0.02673	0.02800	0.02595	0.02592	0.02602	0.02920	0.02697	5.010
30 2-Butanone	0.16344	0.17743	0.16268	0.15521	0.15337	0.16935	0.16358	5.470
M 31 1,2-Dichloroethene (total)	0.20942	0.23172	0.22516	0.22457	0.22767	0.23296	0.22525	3.758
32 cis-1,2-dichloroethene	0.21315	0.23267	0.22866	0.22732	0.23360	0.24090	0.22938	4.040

Report Date : 24-Sep-2004 16:08

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 24-SEP-2004 14:45
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
Cal Date : 24-Sep-2004 16:07 quayler
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	0.21267	0.20802	0.21386	0.20601	0.23157	0.22680	0.21649	4.785	
34 Bromochloromethane	0.11965	0.11053	0.11462	0.11269	0.11152	0.11798	0.11450	3.186	
35 Chloroform	0.36279	0.37727	0.36206	0.36248	0.35396	0.37048	0.36484	2.200	
36 Tetrahydrofuran	0.10638	0.10149	0.09098	0.08495	0.08211	0.08537	0.09188	10.769	
37 1,1,1-Trichloroethane	0.25104	0.28966	0.26806	0.28654	0.29412	0.29013	0.27992	6.018	
38 1,1-Dichloropropene	0.27058	0.25647	0.25838	0.25462	0.26745	0.27078	0.26305	2.804	
39 Carbon Tetrachloride	0.20515	0.21750	0.21441	0.22874	0.24873	0.25244	0.22783	8.430	
40 1,2-Dichloroethane	0.28826	0.28845	0.28175	0.27363	0.27539	0.28086	0.28139	2.212	
41 Benzene	1.05799	0.95517	0.88825	0.84069	0.85784	0.85928	0.90987	9.131	
42 Trichloroethene	0.24905	0.23629	0.23105	0.23735	0.24889	0.24364	0.24104	3.040	
43 1,2-Dichloropropane	0.18117	0.19173	0.18812	0.17876	0.18634	0.19450	0.18677	3.228	
44 1,4-Dioxane	0.00179	0.00213	0.00233	0.00208	0.00221	0.00250	0.00217	11.008	<-
45 Dibromomethane	0.11725	0.13539	0.13560	0.12766	0.12739	0.12962	0.12882	5.231	
46 Bromodichloromethane	0.25091	0.23457	0.25245	0.24935	0.25584	0.26835	0.25191	4.328	
47 2-Chloroethyl vinyl ether	0.09351	0.09970	0.11497	0.12137	0.12250	0.12625	0.11305	11.843	
48 cis-1,3-Dichloropropene	0.23209	0.27086	0.28238	0.28822	0.29829	0.31464	0.28108	10.037	
49 4-Methyl-2-pentanone	0.22396	0.23796	0.24797	0.24132	0.24916	0.26000	0.24340	5.002	
50 Toluene	1.21350	1.17428	1.21603	1.25832	1.29898	1.31199	1.24552	4.310	
51 trans-1,3-Dichloropropene	0.33336	0.35660	0.37453	0.37336	0.40085	0.41656	0.37588	7.952	
52 Ethyl Methacrylate	0.28348	0.32669	0.37009	0.36873	0.39939	0.40986	0.35971	13.146	
53 1,1,2-Trichloroethane	0.25546	0.27070	0.25428	0.25837	0.26252	0.26750	0.26147	2.538	
54 1,3-Dichloropropane	0.42257	0.44656	0.45178	0.43001	0.46305	0.47010	0.44734	4.121	
55 Tetrachloroethene	0.24152	0.22096	0.22360	0.23545	0.25492	0.24823	0.23744	5.668	
56 2-Hexanone	0.24228	0.26496	0.27194	0.26183	0.27622	0.27727	0.26575	4.899	
57 Dibromochloromethane	0.21975	0.26170	0.26398	0.26445	0.28719	0.29860	0.26595	10.196	
58 1,2-Dibromoethane	0.24985	0.26206	0.26166	0.27380	0.28095	0.28334	0.26861	4.823	
59 Chlorobenzene	0.82540	0.85789	0.82319	0.79447	0.82590	0.82407	0.82515	2.435	
60 1,1,1,2-Tetrachloroethane	0.25288	0.26680	0.28966	0.28648	0.30968	0.31312	0.28644	8.223	
61 Ethylbenzene	0.40343	0.41796	0.42660	0.43915	0.45286	0.45319	0.43220	4.602	
62 m + p-Xylene	0.50112	0.52730	0.53392	0.53761	0.56216	0.56829	0.53840	4.543	
M 63 Xylenes (total)	0.50038	0.52727	0.53356	0.53787	0.56486	0.57086	0.53913	4.796	
64 Xylene-o	0.49891	0.52720	0.53282	0.53840	0.57027	0.57599	0.54060	5.307	
65 Styrene	0.73089	0.78623	0.84737	0.87624	0.92506	0.92984	0.84927	9.265	

Report Date : 24-Sep-2004 16:08

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 24-SEP-2004 14:45
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
Cal Date : 24-Sep-2004 16:07 quayler
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	0.15312	0.16556	0.17275	0.18520	0.20012	0.21375	0.18175	12.390
67 Isopropylbenzene	1.00737	1.11695	1.16570	1.21878	1.32100	1.32260	1.19207	10.262
68 1,1,2,2-Tetrachloroethane	0.56279	0.64291	0.64155	0.61291	0.65139	0.70875	0.63672	7.532
69 1,4-Dichloro-2-butene	0.14413	0.15778	0.16600	0.16610	0.18755	0.19525	0.16947	11.176
70 1,2,3-Trichloropropane	0.27195	0.29010	0.27563	0.26476	0.27723	0.27756	0.27621	3.008
71 Bromobenzene	0.59712	0.63898	0.65338	0.66311	0.69815	0.68437	0.65585	5.453
72 n-Propylbenzene	0.59851	0.62620	0.67893	0.68810	0.75065	0.72979	0.67870	8.607
73 2-Chlorotoluene	0.61805	0.61271	0.63046	0.63476	0.67616	0.65191	0.63734	3.681
74 1,3,5-Trimethylbenzene	1.68397	1.89835	1.97799	2.01304	2.14677	2.16672	1.98114	8.975
75 4-Chlorotoluene	0.62279	0.65197	0.68976	0.65949	0.69079	0.67482	0.66494	3.896
76 tert-Butylbenzene	1.38266	1.45596	1.65799	1.69461	1.88579	1.87752	1.65909	12.587
77 1,2,4-Trimethylbenzene	1.76961	1.94024	2.07792	2.05916	2.22948	2.22175	2.04969	8.541
78 sec-Butylbenzene	1.93662	2.07037	2.19711	2.20544	2.48064	2.47804	2.22804	9.783
79 4-Isopropyltoluene	1.57270	1.79659	1.83157	1.88468	2.06602	2.04687	1.86640	9.736
80 1,3-Dichlorobenzene	1.13765	1.25791	1.25002	1.19876	1.25420	1.24774	1.22438	3.899
81 1,4-Dichlorobenzene	1.33738	1.35239	1.34087	1.27021	1.32540	1.28667	1.31882	2.491
82 n-Butylbenzene	1.31603	1.38853	1.46065	1.50355	1.67603	1.66674	1.50192	9.722
83 1,2-Dichlorobenzene	1.15634	1.21026	1.19178	1.13711	1.18915	1.19442	1.17984	2.320
84 1,2-Dibromo-3-chloropropane	0.13940	0.14629	0.13426	0.14176	0.16289	0.16811	0.14878	9.150
85 1,2,4-Trichlorobenzene	0.51561	0.57854	0.57193	0.53622	0.57412	0.58754	0.56066	5.031
86 Hexachlorobutadiene	0.22396	0.21404	0.19370	0.18308	0.20384	0.19105	0.20161	7.608
87 Naphthalene	1.50273	1.72100	1.74277	1.77613	1.94448	1.97048	1.77626	9.588
88 1,2,3-Trichlorobenzene	0.44170	0.53429	0.51137	0.48207	0.51236	0.50757	0.49823	6.483
89 Ethyl Ether	0.22999	0.25334	0.25454	0.26672	0.27045	0.27285	0.25798	6.177
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
91 3-Chloropropene	0.08472	0.09562	0.10282	0.10431	0.10290	0.10842	0.09980	8.483
92 Isopropyl Ether	0.16785	0.16725	0.18468	0.19645	0.20428	0.22224	0.19046	11.309
93 2-Chloro-1,3-butadiene	0.25118	0.27168	0.30138	0.32290	0.33195	0.35380	0.30548	12.633
94 Propionitrile	0.03525	0.03405	0.03586	0.03540	0.04078	0.04071	0.03701	7.982
95 Ethyl Acetate	0.28915	0.28399	0.29551	0.30614	0.32275	0.33026	0.30464	6.116
96 Methacrylonitrile	0.18891	0.17537	0.19137	0.18863	0.19809	0.19561	0.18966	4.186
97 Isobutanol	0.01325	0.01548	0.01400	0.01699	0.01712	0.01667	0.01559	10.535
98 Cyclohexane	0.25048	0.28665	0.24451	0.26560	0.30958	0.30480	0.27694	9.977

Report Date : 24-Sep-2004 16:08

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 24-SEP-2004 14:45
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
Cal Date : 24-Sep-2004 16:07 quayler
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	0.00840	0.01209	0.01185	0.01176	0.01170	0.01225	0.01134	12.843	<-
	100 Methyl Methacrylate	0.23714	0.22358	0.22564	0.24181	0.25179	0.25774	0.23962	5.722	
	101 2-Nitropropane	0.03952	0.04901	0.04465	0.05026	0.05799	0.06219	0.05060	16.530	
	102 Chloropicrin	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
	103 Cyclohexanone	0.02589	0.03146	0.03124	0.03222	0.03211	0.02954	0.03041	7.931	
	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	0.62532	0.66042	0.64187	0.62195	0.65840	0.65950	0.64458	2.736	
	143 Methyl Acetate	0.20432	0.20949	0.19030	0.19381	0.18924	0.19568	0.19714	4.099	
	144 Methylcyclohexane	0.27086	0.25450	0.22838	0.24329	0.30813	0.30413	0.26821	12.123	
	145 Dimethoxymethane	0.27224	0.28890	0.29434	0.31320	0.32972	0.33997	0.30640	8.429	
	146 2-Methylnaphthalene	0.79689	0.86774	0.89101	0.92268	0.95715	0.98771	0.90386	7.526	
$	4 Dibromofluoromethane	0.18545	0.19025	0.17519	0.17981	0.19042	0.20014	0.18688	4.716	
$	5 1,2-Dichloroethane-d4	0.23089	0.24345	0.23163	0.22385	0.22776	0.23279	0.23173	2.843	
$	6 Toluene-d8	0.98133	1.00118	0.97954	1.04682	1.08631	1.08424	1.02990	4.785	
$	7 Bromofluorobenzene	0.36711	0.39603	0.38390	0.39535	0.39766	0.39389	0.38899	3.029	

:port Date : 24-Sep-2004 16:10

STL North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 11-AUG-2004 16:41
ıd Cal Date : 24-SEP-2004 14:45
ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
al Date : 24-Sep-2004 16:07 quayler

alibration File Names:
evel 1: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0877.D
evel 2: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0876.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0875.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0874.D
evel 5: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0873.D
evel 6: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0872.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	12472	29333	75303	183454	449055	+++++	WLINR	0.05396	0.11347		0.98919
9 Chloromethane	0.20718	0.22661	0.21553	0.22069	0.22310	0.18959	AVRG		0.21379		6.38325
10 Vinyl Chloride	0.16650	0.19310	0.17556	0.19419	0.18938	0.16713	AVRG		0.18098		7.08837
11 Bromomethane	0.05500	0.04976	0.04971	0.04167	0.04980	0.05388	AVRG		0.04997		9.36796
12 Chloroethane	0.12641	0.11652	0.12216	0.12640	0.13407	0.13901	AVRG		0.12743		6.34707
13 Trichlorofluoromethane	23939	56394	138494	310373	868872	1808646	QUAD	0.10369	4.56934	-0.36574	0.99677
14 Dichlorofluoromethane	0.33515	0.33081	0.37981	0.39398	0.40332	0.43223	AVRG		0.37922		10.47914
15 Acrolein	0.03691	0.03899	0.03579	0.03861	0.03860	0.04406	AVRG		0.03883		7.32565
16 Acetone	64186	116711	247344	498005	975586	2221601	QUAD	-0.17078	8.78839	-1.35205	0.99956

eport Date : 24-Sep-2004 16:10

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 11-AUG-2004 16:41
nd Cal Date : 24-SEP-2004 14:45
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
al Date : 24-Sep-2004 16:07 quayler

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	0.16852	0.17178	0.15361	0.17785	0.18022	0.18846	AVRG		0.17341		6.87771
18 Freon-113	0.09386	0.10897	0.09198	0.09565	0.11627	0.11755	AVRG		0.10404		11.17496
19 Iodomethane	0.26541	0.27663	0.26238	0.25400	0.26611	0.26336	AVRG		0.26465		2.75812
20 Carbon Disulfide	0.53618	0.55717	0.54262	0.55964	0.58135	0.58503	AVRG		0.56033		3.53276
21 Methylene Chloride	0.28461	0.25509	0.22924	0.21330	0.20556	0.20425	AVRG		0.23201		13.80277
22 Acetonitrile	0.03375	0.03314	0.02790	0.02927	0.02716	0.03113	AVRG		0.03039		8.98762
23 Acrylonitrile	0.09374	0.09858	0.09893	0.10086	0.09965	0.10288	AVRG		0.09911		3.08584
24 Methyl tert-butyl ether	0.56951	0.61422	0.61643	0.62500	0.63445	0.64647	AVRG		0.61768		4.28226
25 trans-1,2-Dichloroethene	0.20569	0.23076	0.22166	0.22183	0.22175	0.22502	AVRG		0.22112		3.77065
26 Hexane	0.04063	0.03887	0.03120	0.03467	0.04196	0.03980	AVRG		0.03786		10.81544
27 Vinyl acetate	0.35091	0.38516	0.37381	0.40872	0.40968	0.43683	AVRG		0.39419		7.72747
28 1,1-Dichloroethane	0.32999	0.36305	0.35951	0.34192	0.34851	0.36083	AVRG		0.35063		3.70407
29 tert-Butyl Alcohol	0.02673	0.02800	0.02595	0.02592	0.02602	0.02920	AVRG		0.02697		5.00954
30 2-Butanone	0.16344	0.17743	0.16268	0.15521	0.15337	0.16935	AVRG		0.16358		5.47002
31 1,2-Dichloroethene (total)	0.20942	0.23172	0.22516	0.22457	0.22767	0.23296	AVRG		0.22525		3.75764
32 cis-1,2-dichloroethene	0.21315	0.23267	0.22866	0.22732	0.23360	0.24090	AVRG		0.22938		4.03995
33 2,2-Dichloropropane	0.21267	0.20802	0.21386	0.20601	0.23157	0.22680	AVRG		0.21649		4.78508

eport Date : 24-Sep-2004 16:10

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 11-AUG-2004 16:41
nd Cal Date : 24-SEP-2004 14:45
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
al Date : 24-Sep-2004 16:07 quayler

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	0.11965	0.11053	0.11462	0.11269	0.11152	0.11798	AVRG		0.11450		3.18564	
35 Chloroform	0.36279	0.37727	0.36206	0.36248	0.35396	0.37048	AVRG		0.36484		2.20020	
36 Tetrahydrofuran	0.10638	0.10149	0.09098	0.08495	0.08211	0.08537	AVRG		0.09188		10.76948	
37 1,1,1-Trichloroethane	0.25104	0.28966	0.26806	0.28654	0.29412	0.29013	AVRG		0.27992		6.01798	
38 1,1-Dichloropropene	0.27058	0.25647	0.25838	0.25462	0.26745	0.27078	AVRG		0.26305		2.80391	
39 Carbon Tetrachloride	0.20515	0.21750	0.21441	0.22874	0.24873	0.25244	AVRG		0.22783		8.43007	
40 1,2-Dichloroethane	0.28826	0.28845	0.28175	0.27363	0.27539	0.28086	AVRG		0.28139		2.21152	
41 Benzene	1.05799	0.95517	0.88825	0.84069	0.85784	0.85928	AVRG		0.90987		9.13102	
42 Trichloroethene	0.24905	0.23629	0.23105	0.23735	0.24889	0.24364	AVRG		0.24104		3.03957	
43 1,2-Dichloropropane	0.18117	0.19173	0.18812	0.17876	0.18634	0.19450	AVRG		0.18677		3.22835	
44 1,4-Dioxane	0.00179	0.00213	0.00233	0.00208	0.00221	0.00250	AVRG		0.00217		11.00835	<-
45 Dibromomethane	0.11725	0.13539	0.13560	0.12766	0.12739	0.12962	AVRG		0.12882		5.23091	
46 Bromodichloromethane	0.25091	0.23457	0.25245	0.24935	0.25584	0.26835	AVRG		0.25191		4.32786	
47 2-Chloroethyl vinyl ether	0.09351	0.09970	0.11497	0.12137	0.12250	0.12625	AVRG		0.11305		11.84302	
48 cis-1,3-Dichloropropene	0.23209	0.27086	0.28238	0.28822	0.29829	0.31464	AVRG		0.28108		10.03670	
49 4-Methyl-2-pentanone	0.22396	0.23796	0.24797	0.24132	0.24916	0.26000	AVRG		0.24340		5.00228	
50 Toluene	1.21350	1.17428	1.21603	1.25832	1.29898	1.31199	AVRG		1.24552		4.31046	

:port Date : 24-Sep-2004 16:10

STL North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 11-AUG-2004 16:41
ıd Cal Date : 24-SEP-2004 14:45
ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
ıl Date : 24-Sep-2004 16:07 quayler

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	0.33336	0.35660	0.37453	0.37336	0.40085	0.41656	AVRG		0.37588		7.95179
52 Ethyl Methacrylate	0.28348	0.32669	0.37009	0.36873	0.39939	0.40986	AVRG		0.35971		13.14633
53 1,1,2-Trichloroethane	0.25546	0.27070	0.25428	0.25837	0.26252	0.26750	AVRG		0.26147		2.53806
54 1,3-Dichloropropane	0.42257	0.44656	0.45178	0.43001	0.46305	0.47010	AVRG		0.44734		4.12057
55 Tetrachloroethene	0.24152	0.22096	0.22360	0.23545	0.25492	0.24823	AVRG		0.23744		5.66787
56 2-Hexanone	0.24228	0.26496	0.27194	0.26183	0.27622	0.27727	AVRG		0.26575		4.89881
57 Dibromochloromethane	0.21975	0.26170	0.26398	0.26445	0.28719	0.29860	AVRG		0.26595		10.19604
58 1,2-Dibromoethane	0.24985	0.26206	0.26166	0.27380	0.28095	0.28334	AVRG		0.26861		4.82335
59 Chlorobenzene	0.82540	0.85789	0.82319	0.79447	0.82590	0.82407	AVRG		0.82515		2.43489
60 1,1,1,2-Tetrachloroethane	0.25288	0.26680	0.28966	0.28648	0.30968	0.31312	AVRG		0.28644		8.22342
61 Ethylbenzene	0.40343	0.41796	0.42660	0.43915	0.45286	0.45319	AVRG		0.43220		4.60195
62 m + p-Xylene	0.50112	0.52730	0.53392	0.53761	0.56216	0.56829	AVRG		0.53840		4.54328
63 Xylenes (total)	0.50038	0.52727	0.53356	0.53787	0.56486	0.57086	AVRG		0.53913		4.79647
64 Xylene-o	0.49891	0.52720	0.53282	0.53840	0.57027	0.57599	AVRG		0.54060		5.30716
65 Styrene	0.73089	0.78623	0.84737	0.87624	0.92506	0.92984	AVRG		0.84927		9.26470
66 Bromoform	0.15312	0.16556	0.17275	0.18520	0.20012	0.21375	AVRG		0.18175		12.39049
67 Isopropylbenzene	1.00737	1.11695	1.16570	1.21878	1.32100	1.32260	AVRG		1.19207		10.26233

eport Date : 24-Sep-2004 16:10

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 11-AUG-2004 16:41
nd Cal Date : 24-SEP-2004 14:45
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
al Date : 24-Sep-2004 16:07 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
68 1,1,2,2-Tetrachloroethane	0.56279	0.64291	0.64155	0.61291	0.65139	0.70875	AVRG		0.63672		7.53168
69 1,4-Dichloro-2-butene	0.14413	0.15778	0.16600	0.16610	0.18755	0.19525	AVRG		0.16947		11.17645
70 1,2,3-Trichloropropane	0.27195	0.29010	0.27563	0.26476	0.27723	0.27756	AVRG		0.27621		3.00807
71 Bromobenzene	0.59712	0.63898	0.65338	0.66311	0.69815	0.68437	AVRG		0.65585		5.45307
72 n-Propylbenzene	0.59851	0.62620	0.67893	0.68810	0.75065	0.72979	AVRG		0.67870		8.60714
73 2-Chlorotoluene	0.61805	0.61271	0.63046	0.63476	0.67616	0.65191	AVRG		0.63734		3.68114
74 1,3,5-Trimethylbenzene	1.68397	1.89835	1.97799	2.01304	2.14677	2.16672	AVRG		1.98114		8.97477
75 4-Chlorotoluene	0.62279	0.65197	0.68976	0.65949	0.69079	0.67482	AVRG		0.66494		3.89645
76 tert-Butylbenzene	1.38266	1.45596	1.65799	1.69461	1.88579	1.87752	AVRG		1.65909		12.58682
77 1,2,4-Trimethylbenzene	1.76961	1.94024	2.07792	2.05916	2.22948	2.22175	AVRG		2.04969		8.54105
78 sec-Butylbenzene	1.93662	2.07037	2.19711	2.20544	2.48064	2.47804	AVRG		2.22804		9.78320
79 4-Isopropyltoluene	1.57270	1.79659	1.83157	1.88468	2.06602	2.04687	AVRG		1.86640		9.73598
80 1,3-Dichlorobenzene	1.13765	1.25791	1.25002	1.19876	1.25420	1.24774	AVRG		1.22438		3.89900
81 1,4-Dichlorobenzene	1.33738	1.35239	1.34087	1.27021	1.32540	1.28667	AVRG		1.31882		2.49120
82 n-Butylbenzene	1.31603	1.38853	1.46065	1.50355	1.67603	1.66674	AVRG		1.50192		9.72172
83 1,2-Dichlorobenzene	1.15634	1.21026	1.19178	1.13711	1.18915	1.19442	AVRG		1.17984		2.31958
84 1,2-Dibromo-3-chloropropane	0.13940	0.14629	0.13426	0.14176	0.16289	0.16811	AVRG		0.14878		9.15019

:port Date : 24-Sep-2004 16:10

STL North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 11-AUG-2004 16:41
ıd Cal Date : 24-SEP-2004 14:45
ıant Method : ISTD
ırget Version : 4.04
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ıl Date : 24-Sep-2004 16:07 quayler

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	0.51561	0.57854	0.57193	0.53622	0.57412	0.58754	AVRG		0.56066		5.03060	
86 Hexachlorobutadiene	0.22396	0.21404	0.19370	0.18308	0.20384	0.19105	AVRG		0.20161		7.60801	
87 Naphthalene	1.50273	1.72100	1.74277	1.77613	1.94448	1.97048	AVRG		1.77626		9.58766	
88 1,2,3-Trichlorobenzene	0.44170	0.53429	0.51137	0.48207	0.51236	0.50757	AVRG		0.49823		6.48301	
89 Ethyl Ether	0.22999	0.25334	0.25454	0.26672	0.27045	0.27285	AVRG		0.25798		6.17685	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.08472	0.09562	0.10282	0.10431	0.10290	0.10842	AVRG		0.09980		8.48330	
92 Isopropyl Ether	0.16785	0.16725	0.18468	0.19645	0.20428	0.22224	AVRG		0.19046		11.30901	
93 2-Chloro-1,3-butadiene	0.25118	0.27168	0.30138	0.32290	0.33195	0.35380	AVRG		0.30548		12.63269	
94 Propionitrile	0.03525	0.03405	0.03586	0.03540	0.04078	0.04071	AVRG		0.03701		7.98196	
95 Ethyl Acetate	0.28915	0.28399	0.29551	0.30614	0.32275	0.33026	AVRG		0.30464		6.11650	
96 Methacrylonitrile	0.18891	0.17537	0.19137	0.18863	0.19809	0.19561	AVRG		0.18966		4.18624	
97 Isobutanol	0.01325	0.01548	0.01400	0.01699	0.01712	0.01667	AVRG		0.01559		10.53530	
98 Cyclohexane	0.25048	0.28665	0.24451	0.26560	0.30958	0.30480	AVRG		0.27694		9.97708	
99 n-Butanol	0.00840	0.01209	0.01185	0.01176	0.01170	0.01225	AVRG		0.01134		12.84255	<-
100 Methyl Methacrylate	0.23714	0.22358	0.22564	0.24181	0.25179	0.25774	AVRG		0.23962		5.72217	
101 2-Nitropropane	10945	27756	64478	149072	351283	753058	QUAD	0.11007	18.25243	-4.86604	0.99928	

eport Date : 24-Sep-2004 16:10

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 11-AUG-2004 16:41
nd Cal Date : 24-SEP-2004 14:45
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
al Date : 24-Sep-2004 16:07 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	0.02589	0.03146	0.03124	0.03222	0.03211	0.02954	AVRG		0.03041		7.93090	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	0.62532	0.66042	0.64187	0.62195	0.65840	0.65950	AVRG		0.64458		2.73584	
143 Methyl Acetate	0.20432	0.20949	0.19030	0.19381	0.18924	0.19568	AVRG		0.19714		4.09871	
144 Methylcyclohexane	0.27086	0.25450	0.22838	0.24329	0.30813	0.30413	AVRG		0.26821		12.12325	
145 Dimethoxymethane	0.27224	0.28890	0.29434	0.31320	0.32972	0.33997	AVRG		0.30640		8.42901	
146 2-Methylnaphthalene	0.79689	0.86774	0.89101	0.92268	0.95715	0.98771	AVRG		0.90386		7.52629	

:port Date : 24-Sep-2004 16:10

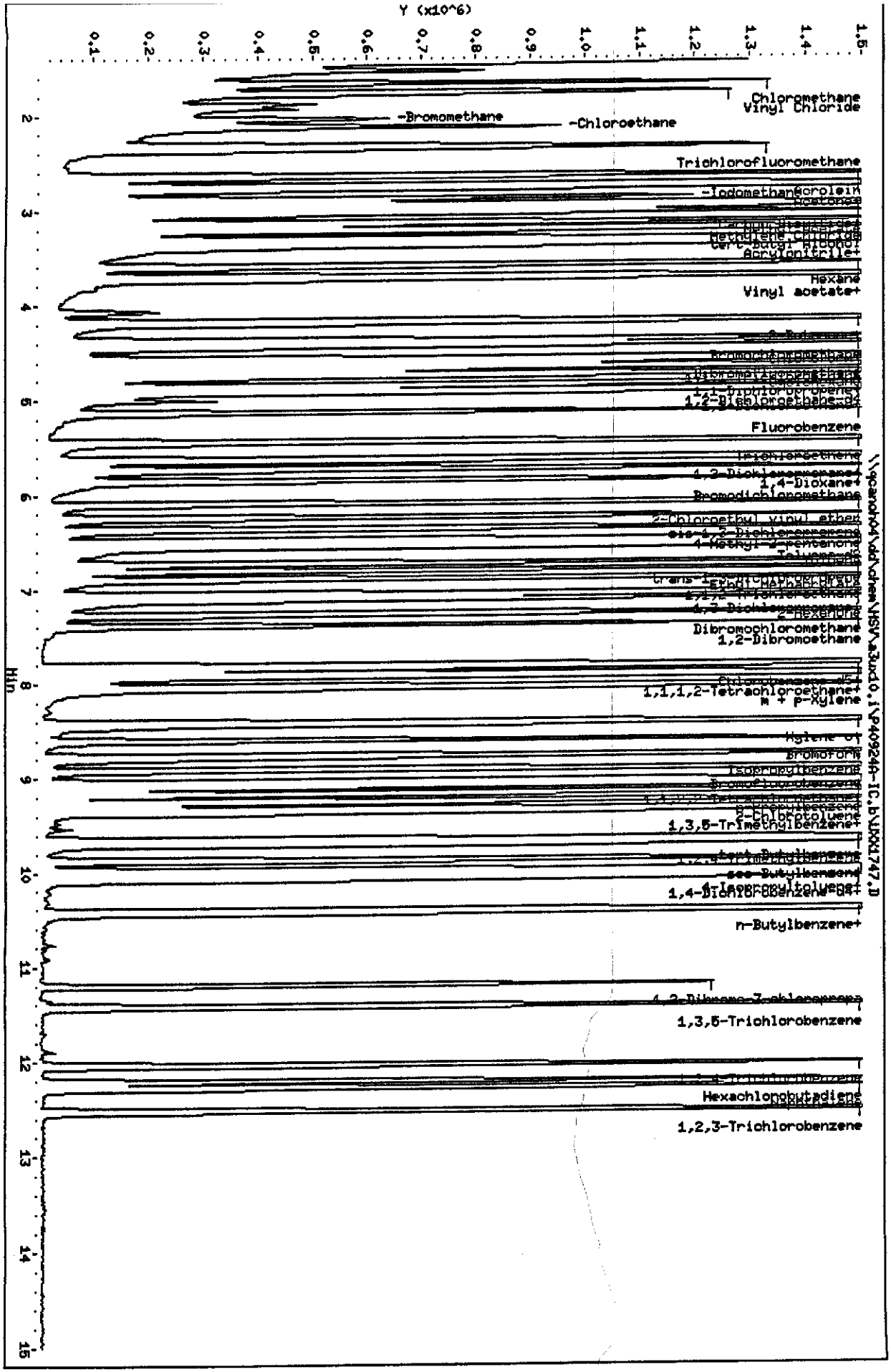
STL North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 11-AUG-2004 16:41
ıd Cal Date : 24-SEP-2004 14:45
ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
ıl Date : 24-Sep-2004 16:07 quayler

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	0.18545	0.19025	0.17519	0.17981	0.19042	0.20014	AVRG		0.18688		4.71565
5 1,2-Dichloroethane-d4	0.23089	0.24345	0.23163	0.22385	0.22776	0.23279	AVRG		0.23173		2.84338
6 Toluene-d8	0.98133	1.00118	0.97954	1.04682	1.08631	1.08424	AVRG		1.02990		4.78486
7 Bromofluorobenzene	0.36711	0.39603	0.38390	0.39535	0.39766	0.39389	AVRG		0.38899		3.02894

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


Data File: \\qcandh04\dd\chem\HSV\a3ux10.i\P409246-IC.b\UX01747.D
Date : 24-SEP-2004 12:49
Client ID:
Sample Info: 200NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
Chloromethane
Vinyl Chloride
-Bromomethane
-Chloroethane
Trichlorofluoromethane
-Iodomethane
Acrolein
Acetone
Methylene Chloride
tert-Butyl Alcohol
Acrylonitrile+
Hexane
Vinyl acetate+
Fluorobenzene
1,4-Dioxane+
Bromodichloromethane
2-Chloroethyl vinyl ether
4-Methyl-2-pentanone
2-Hexanone
Dibromochloromethane
1,2-Dibromoethane
1,1,1,2-Tetrachloroethane+
m + p-Xylene
Bromoform
Isopropylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
4-Isopropyltoluene+
n-Butylbenzene+
1,3,5-Trichlorobenzene
Hexachlorobutadiene
1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1747.D
Report Date: 24-Sep-2004 15:56

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1747.D
Lab Smp Id: 200NG-IC
Inj Date : 24-SEP-2004 12:49
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 200NG-IC
Misc Info : P40924A-IC,8260LLUX10,2-8260.SUB,1904,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
Meth Date : 24-Sep-2004 15:56 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 04:31 Cal File: UXX0872.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	1973610	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1331684	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	684920	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.567	(0.889)	1579963	200.000	213.23(A)
$ 5 1,2-Dichloroethane-d4	65	4.851	4.851	(0.945)	1837715	200.000	183.16
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	5775482	200.000	210.56(A)
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	2098166	200.000	198.71
8 Dichlorodifluoromethane	85	1.526	1.526	(0.297)	707882	200.000	167.78
9 Chloromethane	50	1.656	1.656	(0.323)	1496724	200.000	151.68
10 Vinyl Chloride	62	1.762	1.762	(0.343)	1319371	200.000	152.48
11 Bromomethane	94	2.035	2.035	(0.396)	425339	200.000	113.29
12 Chloroethane	64	2.117	2.117	(0.412)	1097368	200.000	161.73
13 Trichlorofluoromethane	101	2.330	2.330	(0.454)	1808646	200.000	179.75
15 Acrolein	56	2.638	2.638	(0.514)	3478604	2000.00	1696.6
16 Acetone	43	2.768	2.768	(0.539)	2221601	400.000	331.31(A)
17 1,1-Dichloroethene	96	2.744	2.744	(0.535)	1487783	200.000	196.63
18 Freon-113	151	2.768	2.768	(0.539)	927961	200.000	174.08

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-1C.D\UXX1747.D
Report Date: 24-Sep-2004 15:56

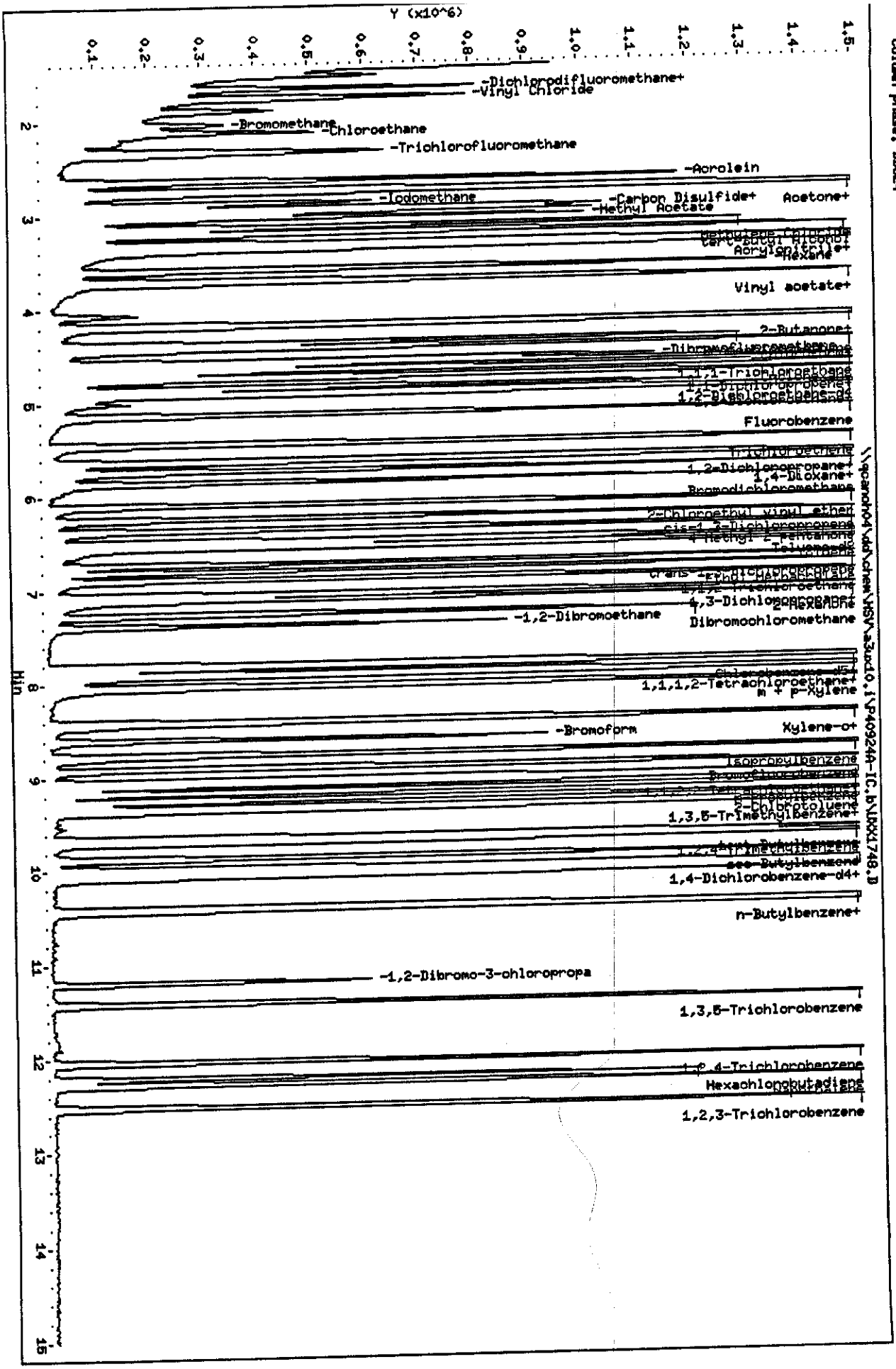
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.875	2.875	(0.560)	2079067	200.000	200.47(A)
	20 Carbon Disulfide	76	2.946	2.946	(0.574)	4618504	200.000	206.46(A)
	21 Methylene Chloride	84	3.135	3.135	(0.611)	1612429	200.000	150.24
	22 Acetonitrile	41	2.981	2.981	(0.581)	2457769	2000.00	1623.8
	23 Acrylonitrile	53	3.312	3.312	(0.645)	8122161	2000.00	1739.6
	24 Methyl tert-butyl ether	73	3.360	3.360	(0.654)	5103537	200.000	190.51
	25 trans-1,2-Dichloroethene	96	3.360	3.360	(0.654)	1776432	200.000	207.24(A)
	26 Hexane	86	3.585	3.585	(0.698)	314238	200.000	187.78
	27 Vinyl acetate	43	3.727	3.727	(0.726)	3448544	200.000	176.36
	28 1,1-Dichloroethane	63	3.703	3.703	(0.721)	2848569	200.000	193.20
	29 tert-Butyl Alcohol	59	3.206	3.206	(0.624)	4610017	4000.00	3033.8(A)
	30 2-Butanone	43	4.176	4.176	(0.813)	2673904	400.000	340.62(A)
M	31 1,2-Dichloroethene (total)	96				3678217	400.000	412.15
	32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	1901785	200.000	204.92(A)
	33 2,2-Dichloropropane	77	4.188	4.188	(0.816)	1790468	200.000	195.20
	34 Bromochloromethane	128	4.377	4.377	(0.853)	931378	200.000	210.94(A)
	35 Chloroform	83	4.437	4.437	(0.864)	2924723	200.000	192.78
	36 Tetrahydrofuran	42	4.425	4.425	(0.862)	673922	200.000	148.31
	37 1,1,1-Trichloroethane	97	4.602	4.602	(0.896)	2290385	200.000	194.34
	38 1,1-Dichloropropene	75	4.732	4.732	(0.922)	2137668	200.000	187.15
	39 Carbon Tetrachloride	117	4.744	4.744	(0.924)	1992859	200.000	206.40(A)
	40 1,2-Dichloroethane	62	4.910	4.910	(0.956)	2217230	200.000	177.97
	41 Benzene	78	4.910	4.910	(0.956)	6783538	200.000	184.05
	42 Trichloroethene	130	5.442	5.442	(1.060)	1923388	200.000	197.53
	43 1,2-Dichloropropane	63	5.632	5.632	(1.097)	1535470	200.000	197.57
	44 1,4-Dioxane	88	5.738	5.738	(1.118)	985231	10000.0	8339.9(A)
	45 Dibromomethane	93	5.726	5.726	(1.115)	1023258	200.000	199.29
	46 Bromodichloromethane	83	5.857	5.857	(1.141)	2118507	200.000	200.80(A)
	47 2-Chloroethyl vinyl ether	63	6.105	6.105	(1.189)	1993275	400.000	383.14(A)
	48 cis-1,3-Dichloropropene	75	6.247	6.247	(1.217)	2483942	200.000	210.57(A)
	49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	4105083	400.000	324.32(A)
	50 Toluene	91	6.555	6.555	(0.839)	6988649	200.000	208.96(A)
	51 trans-1,3-Dichloropropene	75	6.732	6.732	(0.862)	2218900	200.000	206.43(A)
	52 Ethyl Methacrylate	69	6.803	6.803	(0.871)	2183232	200.000	201.88(A)
	53 1,1,2-Trichloroethane	97	6.898	6.898	(0.883)	1424925	200.000	206.17(A)
	54 1,3-Dichloropropane	76	7.052	7.052	(0.903)	2504073	200.000	201.86(A)
	55 Tetrachloroethene	164	7.052	7.052	(0.903)	1322248	200.000	205.11(A)
	56 2-Hexanone	43	7.111	7.111	(0.911)	2953938	400.000	336.10(A)
	57 Dibromochloromethane	129	7.265	7.265	(0.930)	1590588	200.000	231.37(A)
	58 1,2-Dibromoethane	107	7.383	7.383	(0.945)	1509252	200.000	210.08(A)
	59 Chlorobenzene	112	7.833	7.833	(1.003)	4389628	200.000	202.81(A)
	60 1,1,1,2-Tetrachloroethane	131	7.904	7.904	(1.012)	1667891	200.000	223.86(A)
	61 Ethylbenzene	106	7.927	7.927	(1.015)	2414028	200.000	210.42(A)
	62 m + p-Xylene	106	8.034	8.034	(1.029)	6054288	400.000	413.22(A)
M	63 Xylenes (total)	106				9122449	600.000	621.23
	64 Xylene-o	106	8.412	8.412	(1.077)	3068161	200.000	208.01(A)
	65 Styrene	104	8.424	8.424	(1.079)	4952989	200.000	212.25(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1747.D
Report Date: 24-Sep-2004 15:56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.602	8.602	(1.102)	1138585	200.000	230.79 (A)
67 Isopropylbenzene	105	8.767	8.767	(1.123)	7045144	200.000	205.78 (A)
68 1,1,2,2-Tetrachloroethane	83	9.040	9.040	(0.900)	1941751	200.000	219.85 (A)
69 1,4-Dichloro-2-butene	53	9.087	9.087	(0.905)	534922	200.000	194.73
70 1,2,3-Trichloropropane	110	9.087	9.087	(0.905)	760439	200.000	205.94 (A)
71 Bromobenzene	156	9.063	9.063	(0.902)	1874956	200.000	216.55 (A)
72 n-Propylbenzene	120	9.170	9.170	(0.913)	1999393	200.000	219.71 (A)
73 2-Chlorotoluene	126	9.253	9.253	(0.921)	1786016	200.000	210.96 (A)
74 1,3,5-Trimethylbenzene	105	9.335	9.335	(0.929)	5936123	200.000	214.44 (A)
75 4-Chlorotoluene	126	9.359	9.359	(0.932)	1848786	200.000	213.58 (A)
76 tert-Butylbenzene	119	9.655	9.655	(0.961)	5143810	200.000	217.40 (A)
77 1,2,4-Trimethylbenzene	105	9.702	9.702	(0.966)	6086891	200.000	209.82 (A)
78 sec-Butylbenzene	105	9.868	9.868	(0.982)	6789037	200.000	210.80 (A)
79 4-Isopropyltoluene	119	10.010	10.010	(0.996)	5607763	200.000	209.60 (A)
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	3418402	200.000	204.91 (A)
81 1,4-Dichlorobenzene	146	10.069	10.069	(1.002)	3525059	200.000	197.73
82 n-Butylbenzene	91	10.412	10.412	(1.037)	4566322	200.000	197.39
83 1,2-Dichlorobenzene	146	10.436	10.436	(1.039)	3272333	200.000	200.75 (A)
84 1,2-Dibromo-3-chloropropane	157	11.205	11.205	(1.115)	460554	200.000	193.68
85 1,2,4-Trichlorobenzene	180	12.033	12.033	(1.198)	1609658	200.000	174.05
86 Hexachlorobutadiene	225	12.211	12.211	(1.216)	523417	200.000	164.59
87 Naphthalene	128	12.282	12.282	(1.223)	5398481	200.000	171.14
88 1,2,3-Trichlorobenzene	180	12.530	12.530	(1.247)	1390575	200.000	160.20
98 Cyclohexane	56	4.661	4.661	(0.908)	2406253	200.000	184.00
143 Methyl Acetate	43	3.040	3.040	(0.592)	3089554	400.000	319.04
144 Methylcyclohexane	83	5.632	5.632	(1.097)	2400962	200.000	195.91
141 1,3,5-Trichlorobenzene	180	11.430	11.430	(1.138)	1806806	200.000	179.30

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 24-SEP-2004 13:12
Client ID:
Sample Info: 100NC-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Iodomethane
-Carbon Disulfide+
-Methyl Acetate
Acetone+
Methylene Chloride
tert-Butyl Alcohol
Acrylonitrile+
Hexane
Vinyl acetate+
2-Butanone+
-Dibromofluoromethane
1,1,1-Trichloroethane
1,1-Dichloropropene+
1,2-Dichloroethane-d4
Fluorobenzene
Trichloroethene
1,2-Dichloropropane+
1,4-Dioxane+
Bromodichloromethane
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8
Toluene
trans-1,3-Dichloropropene
Ethyl Methacrylate
1,1,2-Trichloroethane
4,3-Dichloropropane+
2-Hexanone
-1,2-Dibromoethane
Dibromochloromethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromobenzene
1,1,2,2-Tetrachloroethane
n-Propylbenzene
2-Chlorotoluene+
1,3,5-Trimethylbenzene+
4-Chlorotoluene
1,2,4-Trimethylbenzene
tert-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux10.i\P40924A-IC.b\UXX1748.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1748.D
Report Date: 24-Sep-2004 15:57

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1748.D
Lab Smp Id: 100NG-IC
Inj Date : 24-SEP-2004 13:12
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 100NG-IC
Misc Info : P40924A-IC,8260LLUX10,2-8260.SUB,1904,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
Meth Date : 24-Sep-2004 15:57 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 04:54 Cal File: UXX0873.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	1929840	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1270217	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	649345	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.567	(0.889)	734951	100.000	101.81
$ 5 1,2-Dichloroethane-d4	65	4.851	4.851	(0.945)	879092	100.000	91.724
$ 6 Toluene-d8	98	6.496	6.496	(0.832)	2759697	100.000	105.17
$ 7 Bromofluorobenzene	95	8.910	8.910	(1.141)	1010230	100.000	100.64
8 Dichlorodifluoromethane	85	1.526	1.526	(0.297)	449055	100.000	111.16
9 Chloromethane	50	1.656	1.656	(0.323)	861105	100.000	92.575
10 Vinyl Chloride	62	1.763	1.763	(0.343)	730940	100.000	89.669
11 Bromomethane	94	2.047	2.047	(0.399)	192203	100.000	59.088
12 Chloroethane	64	2.130	2.130	(0.415)	517457	100.000	83.370
13 Trichlorofluoromethane	101	2.331	2.331	(0.454)	868872	100.000	94.954
15 Acrolein	56	2.650	2.650	(0.516)	1489974	1000.00	795.24
16 Acetone	43	2.769	2.769	(0.539)	975586	200.000	157.12
17 1,1-Dichloroethene	96	2.745	2.745	(0.535)	695589	100.000	96.656
18 Freon-113	151	2.769	2.769	(0.539)	448766	100.000	90.652

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1748.D
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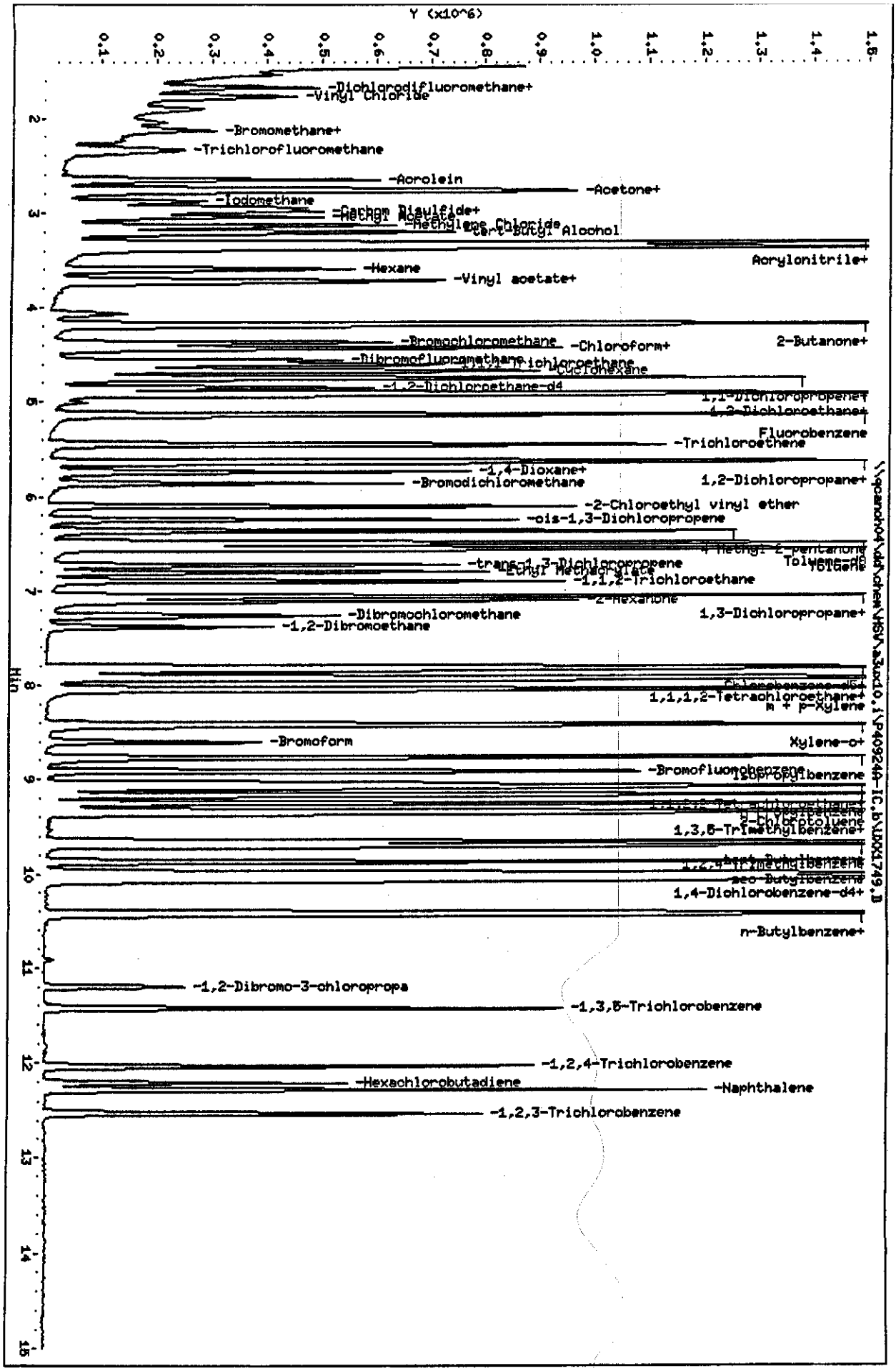
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.875	2.875	(0.560)	1027084	100.000	101.17
	20 Carbon Disulfide	76	2.946	2.946	(0.574)	2243818	100.000	103.40
	21 Methylene Chloride	84	3.135	3.135	(0.611)	793404	100.000	76.206
	22 Acetonitrile	41	2.982	2.982	(0.581)	1048163	1000.00	728.57
	23 Acrylonitrile	53	3.313	3.313	(0.645)	3846134	1000.00	881.28
	24 Methyl tert-butyl ether	73	3.360	3.360	(0.654)	2448776	100.000	95.685
	25 trans-1,2-Dichloroethene	96	3.372	3.372	(0.657)	855886	100.000	102.79
	26 Hexane	86	3.597	3.597	(0.700)	161948	100.000	101.32
	27 Vinyl acetate	43	3.727	3.727	(0.726)	1581243	100.000	87.204
	28 1,1-Dichloroethane	63	3.703	3.703	(0.721)	1345142	100.000	95.255
	29 tert-Butyl Alcohol	59	3.206	3.206	(0.624)	2008896	2000.00	1417.8 (A)
	30 2-Butanone	43	4.177	4.177	(0.813)	1183924	200.000	163.88
M	31 1,2-Dichloroethene (total)	96				1757493	200.000	202.62
	32 cis-1,2-dichloroethene	96	4.177	4.177	(0.813)	901607	100.000	99.833
	33 2,2-Dichloropropane	77	4.189	4.189	(0.816)	893768	100.000	101.16
	34 Bromochloromethane	128	4.378	4.378	(0.853)	430449	100.000	100.23
	35 Chloroform	83	4.437	4.437	(0.864)	1366166	100.000	93.771
	36 Tetrahydrofuran	42	4.425	4.425	(0.862)	316917	100.000	75.052
	37 1,1,1-Trichloroethane	97	4.603	4.603	(0.896)	1135191	100.000	99.020
	38 1,1-Dichloropropene	75	4.745	4.745	(0.924)	1032281	100.000	94.101
	39 Carbon Tetrachloride	117	4.757	4.757	(0.926)	960013	100.000	102.85
	40 1,2-Dichloroethane	62	4.910	4.910	(0.956)	1062930	100.000	89.997
	41 Benzene	78	4.910	4.910	(0.956)	3310995	100.000	92.689
	42 Trichloroethene	130	5.455	5.455	(1.062)	960634	100.000	100.85
	43 1,2-Dichloropropane	63	5.632	5.632	(1.097)	719223	100.000	96.775
	44 1,4-Dioxane	88	5.739	5.739	(1.118)	426563	5000.00	3831.3 (A)
	45 Dibromomethane	93	5.739	5.739	(1.118)	491672	100.000	99.489
	46 Bromodichloromethane	83	5.857	5.857	(1.141)	987468	100.000	97.439
	47 2-Chloroethyl vinyl ether	63	6.105	6.105	(1.189)	945607	200.000	190.69
	48 cis-1,3-Dichloropropene	75	6.247	6.247	(1.217)	1151289	100.000	101.40
	49 4-Methyl-2-pentanone	43	6.366	6.366	(1.240)	1923363	200.000	164.28
	50 Toluene	91	6.555	6.555	(0.839)	3299983	100.000	103.72
	51 trans-1,3-Dichloropropene	75	6.733	6.733	(0.862)	1018343	100.000	100.84
	52 Ethyl Methacrylate	69	6.804	6.804	(0.871)	1014618	100.000	100.34
	53 1,1,2-Trichloroethane	97	6.898	6.898	(0.883)	666903	100.000	101.50
	54 1,3-Dichloropropane	76	7.052	7.052	(0.903)	1176348	100.000	100.89
	55 Tetrachloroethene	164	7.052	7.052	(0.903)	647604	100.000	104.88
	56 2-Hexanone	43	7.111	7.111	(0.911)	1403430	200.000	175.87
	57 Dibromochloromethane	129	7.265	7.265	(0.930)	729595	100.000	111.00
	58 1,2-Dibromoethane	107	7.383	7.383	(0.945)	713742	100.000	104.80
	59 Chlorobenzene	112	7.833	7.833	(1.003)	2098135	100.000	101.60
	60 1,1,1,2-Tetrachloroethane	131	7.904	7.904	(1.012)	786719	100.000	109.76
	61 Ethylbenzene	106	7.928	7.928	(1.015)	1150470	100.000	105.34
	62 m + p-Xylene	106	8.034	8.034	(1.029)	2856258	200.000	205.43 (A)
M	63 Xylenes (total)	106				4304982	300.000	308.43
	64 Xylene-o	106	8.413	8.413	(1.077)	1448724	100.000	103.00
	65 Styrene	104	8.425	8.425	(1.079)	2350046	100.000	106.38

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-1C.D\UXX1748.D
Report Date: 24-Sep-2004 15:57

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.602	8.602	(1.102)	508396	100.000	108.85
67 Isopropylbenzene	105	8.768	8.768	(1.123)	3355904	100.000	103.60
68 1,1,2,2-Tetrachloroethane	83	9.040	9.040	(0.900)	845958	100.000	101.74
69 1,4-Dichloro-2-butene	53	9.087	9.087	(0.905)	243569	100.000	97.498
70 1,2,3-Trichloropropane	110	9.087	9.087	(0.905)	360037	100.000	103.53
71 Bromobenzene	156	9.064	9.064	(0.902)	906677	100.000	109.27
72 n-Propylbenzene	120	9.158	9.158	(0.912)	974858	100.000	111.35
73 2-Chlorotoluene	126	9.253	9.253	(0.921)	878127	100.000	107.70
74 1,3,5-Trimethylbenzene	105	9.336	9.336	(0.929)	2787992	100.000	106.38
75 4-Chlorotoluene	126	9.360	9.360	(0.932)	897124	100.000	107.98
76 tert-Butylbenzene	119	9.655	9.655	(0.961)	2449058	100.000	108.80
77 1,2,4-Trimethylbenzene	105	9.703	9.703	(0.966)	2895402	100.000	105.19
78 sec-Butylbenzene	105	9.868	9.868	(0.982)	3221580	100.000	105.97
79 4-Isopropyltoluene	119	10.010	10.010	(0.996)	2683115	100.000	106.36
80 1,3-Dichlorobenzene	146	9.987	9.987	(0.994)	1628818	100.000	102.73
81 1,4-Dichlorobenzene	146	10.069	10.069	(1.002)	1721290	100.000	101.25
82 n-Butylbenzene	91	10.413	10.413	(1.037)	2176648	100.000	100.86
83 1,2-Dichlorobenzene	146	10.436	10.436	(1.039)	1544331	100.000	99.945
84 1,2-Dibromo-3-chloropropane	157	11.205	11.205	(1.115)	211539	100.000	97.046
85 1,2,4-Trichlorobenzene	180	12.034	12.034	(1.198)	745599	100.000	87.005
86 Hexachlorobutadiene	225	12.211	12.211	(1.216)	264722	100.000	89.082
87 Naphthalene	128	12.282	12.282	(1.223)	2525272	100.000	86.671
88 1,2,3-Trichlorobenzene	180	12.531	12.531	(1.247)	665403	100.000	82.521
98 Cyclohexane	56	4.674	4.674	(0.910)	1194892	100.000	96.247
143 Methyl Acetate	43	3.041	3.041	(0.592)	1460838	200.000	161.78
144 Methylcyclohexane	83	5.632	5.632	(1.097)	1189267	100.000	101.68
141 1,3,5-Trichlorobenzene	180	11.430	11.430	(1.138)	855062	100.000	90.843

QC Flag Legend

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


Data File: \\pcanon04\dd\chem\HSV\a3ux10.i\P409240-IC.b\UX01749.D
Date : 24-SEP-2004 13:35
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
Acrylonitrile+
-Hexane
-Vinyl acetate+
-Bromochloromethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane
1,1,1-Trichloroethane
Cyclohexane
-1,2-Dichloroethane-d4
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
Toluene
Ethyl Methacrylate
-1,1,2-Trichloroethane
2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
p-Chlorotoluene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\pcanon04\dd\chem\HSV\a3ux10.i\P409240-IC.b\UX01749.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1749.D
Report Date: 24-Sep-2004 15:57

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1749.D
Lab Smp Id: 50NG-IC
Inj Date : 24-SEP-2004 13:35
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-IC
Misc Info : P40924A-IC,8260LLUX10,2-8260.SUB,1904,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
Meth Date : 24-Sep-2004 15:57 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 05:17 Cal File: UXX0874.D
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.134	5.134	(1.000)	1841514	50.0000	
* 2 Chlorobenzene-d5	117	7.808	7.808	(1.000)	1230250	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	659891	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.566	(0.889)	331121	50.0000	48.487
$ 5 1,2-Dichloroethane-d4	65	4.850	4.850	(0.945)	412218	50.0000	46.352
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	1287851	50.0000	50.663
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	486382	50.0000	50.028
8 Dichlorodifluoromethane	85	1.525	1.525	(0.297)	183454	50.0000	49.801
9 Chloromethane	50	1.667	1.667	(0.325)	406410	50.0000	46.811
10 Vinyl Chloride	62	1.762	1.762	(0.343)	357603	50.0000	47.362
11 Bromomethane	94	2.046	2.046	(0.399)	76744	50.0000	27.371
12 Chloroethane	64	2.129	2.129	(0.415)	232765	50.0000	41.114
13 Trichlorofluoromethane	101	2.330	2.330	(0.454)	310373	50.0000	38.305
15 Acrolein	56	2.649	2.649	(0.516)	711071	500.000	411.26
16 Acetone	43	2.768	2.768	(0.539)	498005	100.000	86.008
17 1,1-Dichloroethene	96	2.756	2.756	(0.537)	327522	50.0000	47.848
18 Freon-113	151	2.779	2.779	(0.541)	176134	50.0000	38.962

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1749.D
Report Date: 24-Sep-2004 15:57

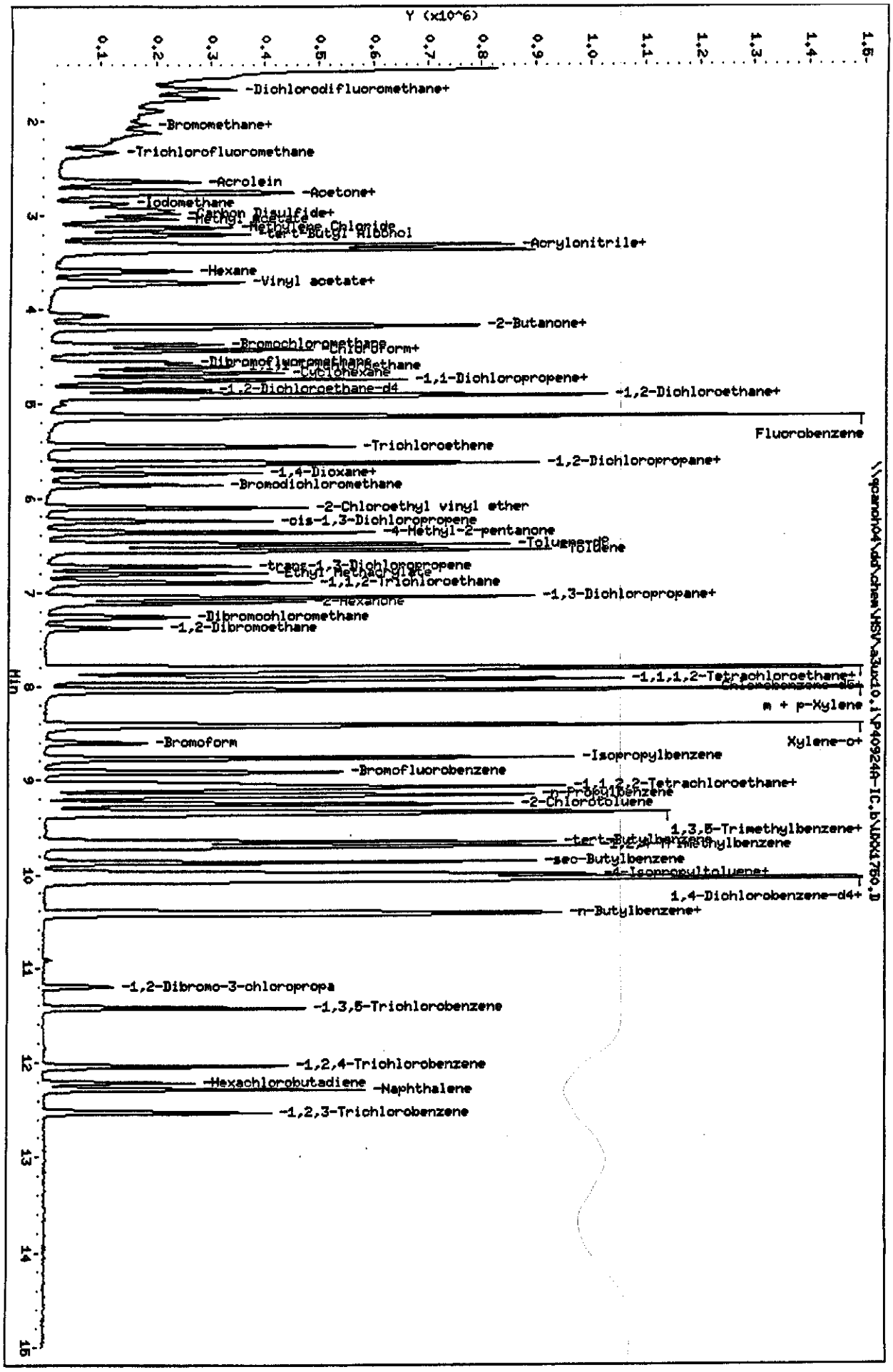
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.874	2.874	(0.560)	467751	50.0000	48.022
	20 Carbon Disulfide	76	2.945	2.945	(0.574)	1030594	50.0000	49.352
	21 Methylene Chloride	84	3.134	3.134	(0.611)	392799	50.0000	39.604
	22 Acetonitrile	41	2.992	2.992	(0.583)	538973	500.000	396.13
	23 Acrylonitrile	53	3.312	3.312	(0.645)	1857348	500.000	457.04
	24 Methyl tert-butyl ether	73	3.371	3.371	(0.657)	1150943	50.0000	47.805
	25 trans-1,2-Dichloroethene	96	3.371	3.371	(0.657)	408499	50.0000	51.097
	26 Hexane	86	3.596	3.596	(0.700)	63847	50.0000	42.953
	27 Vinyl acetate	43	3.726	3.726	(0.726)	752667	50.0000	44.904
	28 1,1-Dichloroethane	63	3.702	3.702	(0.721)	629657	50.0000	47.453
	29 tert-Butyl Alcohol	59	3.205	3.205	(0.624)	954680	1000.00	735.84
	30 2-Butanone	43	4.176	4.176	(0.813)	571626	100.000	85.545
M	31 1,2-Dichloroethene (total)	96				827106	100.000	99.761
	32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	418607	50.0000	48.664
	33 2,2-Dichloropropane	77	4.187	4.187	(0.816)	379376	50.0000	45.592
	34 Bromochloromethane	128	4.377	4.377	(0.853)	207516	50.0000	50.261
	35 Chloroform	83	4.436	4.436	(0.864)	667515	50.0000	48.208
	36 Tetrahydrofuran	42	4.424	4.424	(0.862)	156429	50.0000	40.051
	37 1,1,1-Trichloroethane	97	4.602	4.602	(0.896)	527664	50.0000	48.226
	38 1,1-Dichloropropene	75	4.744	4.744	(0.924)	468883	50.0000	45.136
	39 Carbon Tetrachloride	117	4.755	4.755	(0.926)	421223	50.0000	47.258
	40 1,2-Dichloroethane	62	4.909	4.909	(0.956)	503891	50.0000	45.722
	41 Benzene	78	4.909	4.909	(0.956)	1548135	50.0000	45.615
	42 Trichloroethene	130	5.454	5.454	(1.062)	437091	50.0000	48.106
	43 1,2-Dichloropropane	63	5.631	5.631	(1.097)	329198	50.0000	47.112
	44 1,4-Dioxane	88	5.738	5.738	(1.118)	191759	2500.00	1807.7(A)
	45 Dibromomethane	93	5.738	5.738	(1.118)	235091	50.0000	50.013
	46 Bromodichloromethane	83	5.856	5.856	(1.141)	459189	50.0000	47.921
	47 2-Chloroethyl vinyl ether	63	6.104	6.104	(1.189)	447025	100.000	95.806
	48 cis-1,3-Dichloropropene	75	6.246	6.246	(1.217)	530759	50.0000	49.654
	49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	888790	100.000	83.480
	50 Toluene	91	6.554	6.554	(0.839)	1548047	50.0000	50.088
	51 trans-1,3-Dichloropropene	75	6.731	6.731	(0.862)	459320	50.0000	47.480
	52 Ethyl Methacrylate	69	6.802	6.802	(0.871)	453636	50.0000	47.192
	53 1,1,2-Trichloroethane	97	6.897	6.897	(0.883)	317854	50.0000	49.861
	54 1,3-Dichloropropane	76	7.051	7.051	(0.903)	529017	50.0000	47.469
	55 Tetrachloroethene	164	7.063	7.063	(0.905)	289657	50.0000	48.277
	56 2-Hexanone	43	7.110	7.110	(0.911)	644228	100.000	87.049
	57 Dibromochloromethane	129	7.264	7.264	(0.930)	325334	50.0000	51.047
	58 1,2-Dibromoethane	107	7.382	7.382	(0.945)	336838	50.0000	51.074
	59 Chlorobenzene	112	7.832	7.832	(1.003)	977401	50.0000	48.828
	60 1,1,1,2-Tetrachloroethane	131	7.903	7.903	(1.012)	352441	50.0000	50.477
	61 Ethylbenzene	106	7.927	7.927	(1.015)	540268	50.0000	50.731
	62 m + p-Xylene	106	8.033	8.033	(1.029)	1322790	100.000	98.324
M	63 Xylenes (total)	106				1985162	150.000	147.30
	64 Xylene-o	106	8.412	8.412	(1.077)	662372	50.0000	48.971
	65 Styrene	104	8.424	8.424	(1.079)	1078000	50.0000	50.555

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1749.D
Report Date: 24-Sep-2004 15:57

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.601	8.601	(1.102)	227844	50.0000	50.759
67 Isopropylbenzene	105	8.767	8.767	(1.123)	1499409	50.0000	48.043
68 1,1,2,2-Tetrachloroethane	83	9.039	9.039	(0.900)	404455	50.0000	48.024
69 1,4-Dichloro-2-butene	53	9.086	9.086	(0.905)	109607	50.0000	45.106
70 1,2,3-Trichloropropane	110	9.086	9.086	(0.905)	174716	50.0000	50.207
71 Bromobenzene	156	9.074	9.074	(0.903)	437582	50.0000	51.492
72 n-Propylbenzene	120	9.169	9.169	(0.913)	454074	50.0000	50.681
73 2-Chlorotoluene	126	9.252	9.252	(0.921)	418873	50.0000	50.226
74 1,3,5-Trimethylbenzene	105	9.335	9.335	(0.929)	1328384	50.0000	49.846
75 4-Chlorotoluene	126	9.358	9.358	(0.932)	435192	50.0000	50.981
76 tert-Butylbenzene	119	9.654	9.654	(0.961)	1118257	50.0000	48.923
77 1,2,4-Trimethylbenzene	105	9.702	9.702	(0.966)	1358824	50.0000	48.857
78 sec-Butylbenzene	105	9.867	9.867	(0.982)	1455351	50.0000	47.379
79 4-Isopropyltoluene	119	10.009	10.009	(0.996)	1243684	50.0000	48.749
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	791052	50.0000	49.038
81 1,4-Dichlorobenzene	146	10.068	10.068	(1.002)	838203	50.0000	48.714
82 n-Butylbenzene	91	10.411	10.411	(1.037)	992181	50.0000	46.017
83 1,2-Dichlorobenzene	146	10.435	10.435	(1.039)	750370	50.0000	47.931
84 1,2-Dibromo-3-chloropropane	157	11.204	11.204	(1.115)	93543	50.0000	43.705
85 1,2,4-Trichlorobenzene	180	12.044	12.044	(1.199)	353845	50.0000	41.617
86 Hexachlorobutadiene	225	12.210	12.210	(1.216)	120814	50.0000	40.784
87 Naphthalene	128	12.281	12.281	(1.223)	1172054	50.0000	40.809
88 1,2,3-Trichlorobenzene	180	12.530	12.530	(1.247)	318113	50.0000	39.664
98 Cyclohexane	56	4.673	4.673	(0.910)	489099	50.0000	42.326
143 Methyl Acetate	43	3.040	3.040	(0.592)	713818	100.000	85.479
144 Methylcyclohexane	83	5.631	5.631	(1.097)	448022	50.0000	41.256
141 1,3,5-Trichlorobenzene	180	11.429	11.429	(1.138)	410419	50.0000	43.612

QC Flag Legend

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


Data File: \\qcandh04\dd\chem\HSV\a3ux10.i\P409240-IC.b\UXX1780.D
Date : 24-SEP-2004 13:59
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-1,1,1,2-Tetrachloroethane+
-Chlorobenzene-d5+
m + p-Xylene
Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
1,3,5-Trimethylbenzene+
-tert-Butylbenzene
1,2,4-Trimethylbenzene
-sec-Butylbenzene
-4-Isopropyltoluene+
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1750.D
Report Date: 24-Sep-2004 16:07

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1750.D
Lab Smp Id: 25NG-IC
Inj Date : 24-SEP-2004 13:59
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 25NG-IC
Misc Info : P40924A-IC,8260LLUX10,2-8260.SUB,1904,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
Meth Date : 24-Sep-2004 16:06 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.134	5.134	(1.000)	1822837	50.0000	
* 2 Chlorobenzene-d5	117	7.808	7.808	(1.000)	1235235	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	645582	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.566	(0.889)	159670	25.0000	23.436
$ 5 1,2-Dichloroethane-d4	65	4.850	4.850	(0.945)	211116	25.0000	24.990
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	604978	25.0000	23.777
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	237101	25.0000	24.673
8 Dichlorodifluoromethane	85	1.537	1.537	(0.299)	75303	25.0000	22.793
9 Chloromethane	50	1.667	1.667	(0.325)	196441	25.0000	25.204
10 Vinyl Chloride	62	1.762	1.762	(0.343)	160012	25.0000	24.252
11 Bromomethane	94	2.046	2.046	(0.399)	45309	25.0000	24.871
12 Chloroethane	64	2.129	2.129	(0.415)	111335	25.0000	23.966
13 Trichlorofluoromethane	101	2.330	2.330	(0.454)	138494	25.0000	21.234
15 Acrolein	56	2.649	2.649	(0.516)	326202	250.000	230.44
16 Acetone	43	2.768	2.768	(0.539)	247344	50.0000	45.785
17 1,1-Dichloroethene	96	2.756	2.756	(0.537)	140002	25.0000	22.146
18 Freon-113	151	2.768	2.768	(0.539)	83830	25.0000	22.100

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1750.D
Report Date: 24-Sep-2004 16:07

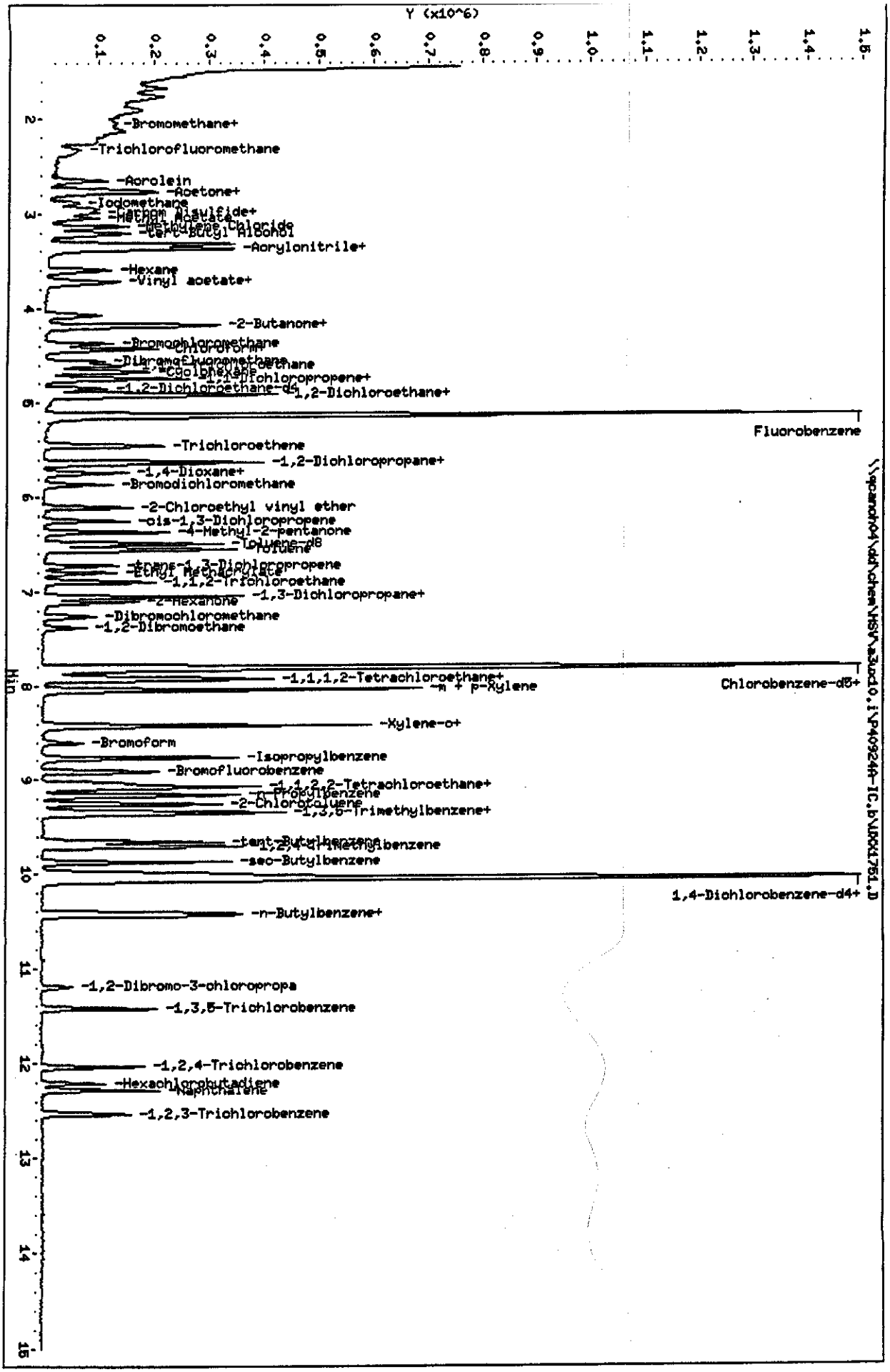
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.874	2.874	(0.560)	239137	25.0000	24.786
	20 Carbon Disulfide	76	2.945	2.945	(0.574)	494557	25.0000	24.210
	21 Methylene Chloride	84	3.134	3.134	(0.611)	208936	25.0000	24.702
	22 Acetonitrile	41	2.992	2.992	(0.583)	254267	250.000	229.50
	23 Acrylonitrile	53	3.324	3.324	(0.647)	901626	250.000	249.54
	24 Methyl tert-butyl ether	73	3.371	3.371	(0.657)	561829	25.0000	24.950
	25 trans-1,2-Dichloroethene	96	3.371	3.371	(0.657)	202025	25.0000	25.061
	26 Hexane	86	3.596	3.596	(0.700)	28435	25.0000	20.604
	27 Vinyl acetate	43	3.726	3.726	(0.726)	340698	25.0000	23.708
	28 1,1-Dichloroethane	63	3.702	3.702	(0.721)	327660	25.0000	25.632
	29 tert-Butyl Alcohol	59	3.205	3.205	(0.624)	473008	500.000	481.05
	30 2-Butanone	43	4.176	4.176	(0.813)	296534	50.0000	49.724
M	31 1,2-Dichloroethene (total)	96				410434	50.0000	49.983
	32 cis-1,2-dichloroethene	96	4.188	4.188	(0.816)	208409	25.0000	24.922
	33 2,2-Dichloropropane	77	4.188	4.188	(0.816)	194920	25.0000	24.697
	34 Bromochloromethane	128	4.377	4.377	(0.853)	104463	25.0000	25.026
	35 Chloroform	83	4.436	4.436	(0.864)	329987	25.0000	24.809
	36 Tetrahydrofuran	42	4.424	4.424	(0.862)	82917	25.0000	24.754
	37 1,1,1-Trichloroethane	97	4.613	4.613	(0.899)	244311	25.0000	23.940
	38 1,1-Dichloropropene	75	4.744	4.744	(0.924)	235493	25.0000	24.556
	39 Carbon Tetrachloride	117	4.755	4.755	(0.926)	195413	25.0000	23.527
	40 1,2-Dichloroethane	62	4.909	4.909	(0.956)	256791	25.0000	25.032
	41 Benzene	78	4.909	4.909	(0.956)	809566	25.0000	24.406
	42 Trichloroethene	130	5.454	5.454	(1.062)	210584	25.0000	23.963
	43 1,2-Dichloropropane	63	5.631	5.631	(1.097)	171457	25.0000	25.181
	44 1,4-Dioxane	88	5.738	5.738	(1.118)	106345	1250.00	1341.3 (A)
	45 Dibromomethane	93	5.738	5.738	(1.118)	123591	25.0000	26.316
	46 Bromodichloromethane	83	5.856	5.856	(1.141)	230084	25.0000	25.053
	47 2-Chloroethyl vinyl ether	63	6.104	6.104	(1.189)	209566	50.0000	50.848
	48 cis-1,3-Dichloropropene	75	6.246	6.246	(1.217)	257366	25.0000	25.116
	49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	452010	50.0000	50.940
	50 Toluene	91	6.554	6.554	(0.839)	751040	25.0000	24.408
	51 trans-1,3-Dichloropropene	75	6.732	6.732	(0.862)	231316	25.0000	24.910
	52 Ethyl Methacrylate	69	6.803	6.803	(0.871)	228572	25.0000	25.721
	53 1,1,2-Trichloroethane	97	6.897	6.897	(0.883)	157049	25.0000	24.312
	54 1,3-Dichloropropane	76	7.051	7.051	(0.903)	279028	25.0000	25.248
	55 Tetrachloroethene	164	7.063	7.063	(0.905)	138097	25.0000	23.542
	56 2-Hexanone	43	7.110	7.110	(0.911)	335904	50.0000	51.164
	57 Dibromochloromethane	129	7.264	7.264	(0.930)	163041	25.0000	24.816
	58 1,2-Dibromoethane	107	7.382	7.382	(0.945)	161607	25.0000	24.353
	59 Chlorobenzene	112	7.832	7.832	(1.003)	508418	25.0000	24.940
	60 1,1,1,2-Tetrachloroethane	131	7.903	7.903	(1.012)	178902	25.0000	25.282
	61 Ethylbenzene	106	7.927	7.927	(1.015)	263474	25.0000	24.676
	62 m + p-Xylene	106	8.033	8.033	(1.029)	659521	50.0000	49.584
M	63 Xylenes (total)	106				988600	75.0000	74.224
	64 Xylene-o	106	8.412	8.412	(1.077)	329079	25.0000	24.640
	65 Styrene	104	8.424	8.424	(1.079)	523349	25.0000	24.944

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1750.D
Report Date: 24-Sep-2004 16:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.601	8.601	(1.102)	106695	25.0000	23.762
67 Isopropylbenzene	105	8.767	8.767	(1.123)	719957	25.0000	24.447
68 1,1,2,2-Tetrachloroethane	83	9.039	9.039	(0.900)	207087	25.0000	25.190
69 1,4-Dichloro-2-butene	53	9.086	9.086	(0.905)	53582	25.0000	24.488
70 1,2,3-Trichloropropane	110	9.086	9.086	(0.905)	88972	25.0000	24.948
71 Bromobenzene	156	9.074	9.074	(0.903)	210904	25.0000	24.906
72 n-Propylbenzene	120	9.169	9.169	(0.913)	219154	25.0000	25.009
73 2-Chlorotoluene	126	9.252	9.252	(0.921)	203506	25.0000	24.730
74 1,3,5-Trimethylbenzene	105	9.335	9.335	(0.929)	638476	25.0000	24.960
75 4-Chlorotoluene	126	9.358	9.358	(0.932)	222649	25.0000	25.933
76 tert-Butylbenzene	119	9.654	9.654	(0.961)	535184	25.0000	24.983
77 1,2,4-Trimethylbenzene	105	9.702	9.702	(0.966)	670734	25.0000	25.344
78 sec-Butylbenzene	105	9.867	9.867	(0.982)	709207	25.0000	24.653
79 4-Isopropyltoluene	119	10.009	10.009	(0.996)	591214	25.0000	24.533
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	403496	25.0000	25.524
81 1,4-Dichlorobenzene	146	10.068	10.068	(1.002)	432820	25.0000	25.418
82 n-Butylbenzene	91	10.412	10.412	(1.037)	471485	25.0000	24.313
83 1,2-Dichlorobenzene	146	10.435	10.435	(1.039)	384697	25.0000	25.253
84 1,2-Dibromo-3-chloropropane	157	11.204	11.204	(1.115)	43339	25.0000	22.560
85 1,2,4-Trichlorobenzene	180	12.044	12.044	(1.199)	184615	25.0000	25.503
86 Hexachlorobutadiene	225	12.210	12.210	(1.216)	62524	25.0000	24.019
87 Naphthalene	128	12.281	12.281	(1.223)	562549	25.0000	24.528
88 1,2,3-Trichlorobenzene	180	12.530	12.530	(1.247)	165066	25.0000	25.659
98 Cyclohexane	56	4.673	4.673	(0.910)	222849	25.0000	22.072
143 Methyl Acetate	43	3.040	3.040	(0.592)	346879	50.0000	48.264
144 Methylcyclohexane	83	5.631	5.631	(1.097)	208147	25.0000	21.287
141 1,3,5-Trichlorobenzene	180	11.429	11.429	(1.138)	207191	25.0000	24.895

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ud0.i\P40924A-IC.b\UX01751.D
Date : 24-SEP-2004 14:22
Client ID:
Sample Info: 10NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ud0.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform
-Dibromofluoromethane
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
Chlorobenzene-d5+
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ud0.i\P40924A-IC.b\UX01751.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1751.D
Report Date: 24-Sep-2004 16:02

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1751.D
Lab Smp Id: 10NG-IC
Inj Date : 24-SEP-2004 14:22
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 10NG-IC
Misc Info : P40924A-IC,8260LLUX10,2-8260.SUB,1904,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
Meth Date : 24-Sep-2004 16:02 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	1748633	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1180849	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	626998	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.567	(0.889)	66534	10.0000	10.180
$ 5 1,2-Dichloroethane-d4	65	4.851	4.851	(0.945)	85141	10.0000	10.506
$ 6 Toluene-d8	98	6.496	6.496	(0.832)	236448	10.0000	9.721
$ 7 Bromofluorobenzene	95	8.910	8.910	(1.141)	93530	10.0000	10.181
8 Dichlorodifluoromethane	85	1.538	1.538	(0.300)	29333	10.0000	9.255
9 Chloromethane	50	1.668	1.668	(0.325)	79253	10.0000	10.600
10 Vinyl Chloride	62	1.763	1.763	(0.343)	67531	10.0000	10.670
11 Bromomethane	94	2.047	2.047	(0.399)	17402	10.0000	9.958
12 Chloroethane	64	2.130	2.130	(0.415)	40749	10.0000	9.144
13 Trichlorofluoromethane	101	2.319	2.319	(0.452)	56394	10.0000	9.014
15 Acrolein	56	2.651	2.651	(0.516)	136356	100.000	100.42
16 Acetone	43	2.769	2.769	(0.539)	116711	20.0000	22.521
17 1,1-Dichloroethene	96	2.757	2.757	(0.537)	60077	10.0000	9.906
18 Freon-113	151	2.769	2.769	(0.539)	38110	10.0000	10.473

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1751.D
Report Date: 24-Sep-2004 16:02

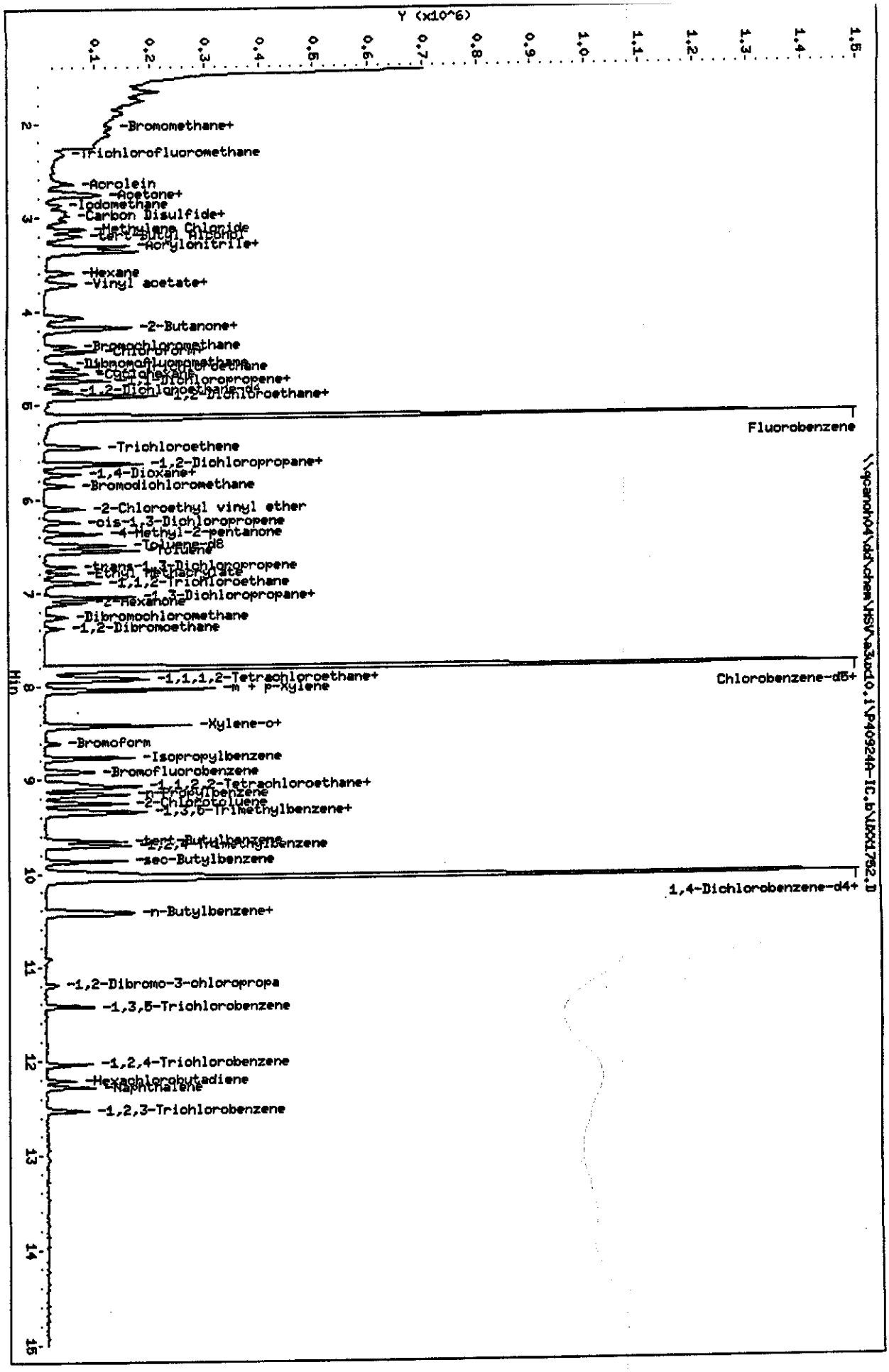
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.887	2.887	(0.562)	96745	10.0000	10.453
	20 Carbon Disulfide	76	2.946	2.946	(0.574)	194856	10.0000	9.944
	21 Methylene Chloride	84	3.136	3.136	(0.611)	89213	10.0000	10.995
	22 Acetonitrile	41	2.994	2.994	(0.583)	115884	100.000	109.03
	23 Acrylonitrile	53	3.325	3.325	(0.648)	344757	100.000	99.468
	24 Methyl tert-butyl ether	73	3.372	3.372	(0.657)	214808	10.0000	9.944
	25 trans-1,2-Dichloroethene	96	3.372	3.372	(0.657)	80703	10.0000	10.436
	26 Hexane	86	3.597	3.597	(0.700)	13594	10.0000	10.268
	27 Vinyl acetate	43	3.727	3.727	(0.726)	134700	10.0000	9.771
	28 1,1-Dichloroethane	63	3.704	3.704	(0.721)	126967	10.0000	10.354
	29 tert-Butyl Alcohol	59	3.207	3.207	(0.624)	195876	200.000	207.66
	30 2-Butanone	43	4.177	4.177	(0.813)	124103	20.0000	21.693
M	31 1,2-Dichloroethene (total)	96				162074	20.0000	20.579
	32 cis-1,2-dichloroethene	96	4.177	4.177	(0.813)	81371	10.0000	10.143
	33 2,2-Dichloropropane	77	4.189	4.189	(0.816)	72751	10.0000	9.609
	34 Bromochloromethane	128	4.378	4.378	(0.853)	38657	10.0000	9.654
	35 Chloroform	83	4.437	4.437	(0.864)	131941	10.0000	10.341
	36 Tetrahydrofuran	42	4.425	4.425	(0.862)	35494	10.0000	11.046
	37 1,1,1-Trichloroethane	97	4.603	4.603	(0.896)	101302	10.0000	10.348
	38 1,1-Dichloropropene	75	4.745	4.745	(0.924)	89694	10.0000	9.750
	39 Carbon Tetrachloride	117	4.757	4.757	(0.926)	76066	10.0000	9.547
	40 1,2-Dichloroethane	62	4.911	4.911	(0.956)	100879	10.0000	10.251
	41 Benzene	78	4.911	4.911	(0.956)	334050	10.0000	10.498
	42 Trichloroethene	130	5.455	5.455	(1.062)	82637	10.0000	9.803
	43 1,2-Dichloropropane	63	5.632	5.632	(1.097)	67053	10.0000	10.265
	44 1,4-Dioxane	88	5.739	5.739	(1.118)	37315	500.000	490.63 (A)
	45 Dibromomethane	93	5.739	5.739	(1.118)	47350	10.0000	10.510
	46 Bromodichloromethane	83	5.857	5.857	(1.141)	82036	10.0000	9.312
	47 2-Chloroethyl vinyl ether	63	6.106	6.106	(1.189)	69735	20.0000	17.638
	48 cis-1,3-Dichloropropene	75	6.248	6.248	(1.217)	94727	10.0000	9.636
	49 4-Methyl-2-pentanone	43	6.366	6.366	(1.240)	166444	20.0000	19.554
	50 Toluene	91	6.555	6.555	(0.839)	277329	10.0000	9.428
	51 trans-1,3-Dichloropropene	75	6.733	6.733	(0.862)	84218	10.0000	9.487
	52 Ethyl Methacrylate	69	6.804	6.804	(0.871)	77154	10.0000	9.082
	53 1,1,2-Trichloroethane	97	6.899	6.899	(0.883)	63932	10.0000	10.353
	54 1,3-Dichloropropane	76	7.052	7.052	(0.903)	105463	10.0000	9.982
	55 Tetrachloroethene	164	7.052	7.052	(0.903)	52185	10.0000	9.306
	56 2-Hexanone	43	7.112	7.112	(0.911)	125151	20.0000	19.940
	57 Dibromochloromethane	129	7.265	7.265	(0.930)	61805	10.0000	9.840
	58 1,2-Dibromoethane	107	7.384	7.384	(0.945)	61890	10.0000	9.756
	59 Chlorobenzene	112	7.833	7.833	(1.003)	202607	10.0000	10.397
	60 1,1,1,2-Tetrachloroethane	131	7.904	7.904	(1.012)	63011	10.0000	9.314
	61 Ethylbenzene	106	7.928	7.928	(1.015)	98709	10.0000	9.670
	62 m + p-Xylene	106	8.034	8.034	(1.029)	249066	20.0000	19.588
M	63 Xylenes (total)	106				373575	30.0000	29.340
	64 Xylene-o	106	8.413	8.413	(1.077)	124509	10.0000	9.752
	65 Styrene	104	8.425	8.425	(1.079)	185684	10.0000	9.258

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1751.D
Report Date: 24-Sep-2004 16:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.602	8.602	(1.102)	39101	10.0000	9.109
67 Isopropylbenzene	105	8.768	8.768	(1.123)	263789	10.0000	9.370
68 1,1,2,2-Tetrachloroethane	83	9.040	9.040	(0.900)	80621	10.0000	10.097
69 1,4-Dichloro-2-butene	53	9.088	9.088	(0.905)	19786	10.0000	9.310
70 1,2,3-Trichloropropane	110	9.088	9.088	(0.905)	36378	10.0000	10.503
71 Bromobenzene	156	9.076	9.076	(0.903)	80128	10.0000	9.743
72 n-Propylbenzene	120	9.159	9.159	(0.912)	78525	10.0000	9.226
73 2-Chlorotoluene	126	9.253	9.253	(0.921)	76834	10.0000	9.614
74 1,3,5-Trimethylbenzene	105	9.336	9.336	(0.929)	238052	10.0000	9.582
75 4-Chlorotoluene	126	9.360	9.360	(0.932)	81757	10.0000	9.805
76 tert-Butylbenzene	119	9.656	9.656	(0.961)	182577	10.0000	8.776
77 1,2,4-Trimethylbenzene	105	9.703	9.703	(0.966)	243305	10.0000	9.466
78 sec-Butylbenzene	105	9.869	9.869	(0.982)	259623	10.0000	9.292
79 4-Isopropyltoluene	119	10.011	10.011	(0.996)	225292	10.0000	9.626
80 1,3-Dichlorobenzene	146	9.987	9.987	(0.994)	157742	10.0000	10.274
81 1,4-Dichlorobenzene	146	10.070	10.070	(1.002)	169589	10.0000	10.254
82 n-Butylbenzene	91	10.413	10.413	(1.037)	174121	10.0000	9.245
83 1,2-Dichlorobenzene	146	10.437	10.437	(1.039)	151766	10.0000	10.258
84 1,2-Dibromo-3-chloropropane	157	11.194	11.194	(1.114)	18345	10.0000	9.832
85 1,2,4-Trichlorobenzene	180	12.034	12.034	(1.198)	72549	10.0000	10.319
86 Hexachlorobutadiene	225	12.211	12.211	(1.216)	26840	10.0000	10.616
87 Naphthalene	128	12.282	12.282	(1.223)	215813	10.0000	9.689
88 1,2,3-Trichlorobenzene	180	12.531	12.531	(1.247)	67000	10.0000	10.724
98 Cyclohexane	56	4.674	4.674	(0.910)	100250	10.0000	10.351
143 Methyl Acetate	43	3.041	3.041	(0.592)	146528	20.0000	21.253
144 Methylcyclohexane	83	5.632	5.632	(1.097)	89004	10.0000	9.488
141 1,3,5-Trichlorobenzene	180	11.419	11.419	(1.137)	82816	10.0000	10.246

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ud10.i\P409240-IC.b\UX01752.D
Date : 24-SEP-2004 14:46
Client ID:
Sample Info: GNC-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ud10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform
-Dibromofluoromethane
-Cyclohexane
-1,1-Dichloroethane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
\\qcanoh04\dd\chem\HSV\a3ud10.i\P409240-IC.b\UX01752.D
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
Chlorobenzene-d5+
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1752.D
Lab Smp Id: 5NG-IC
Inj Date : 24-SEP-2004 14:45
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 5NG-IC
Misc Info : P40924A-IC,8260LLUX10,2-8260.SUB,1904,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
Meth Date : 24-Sep-2004 16:02 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.134	5.134	(1.000)	1741881	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1142532	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	590101	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.566	(0.889)	32304	5.00000	4.962
$ 5 1,2-Dichloroethane-d4	65	4.850	4.850	(0.945)	40218	5.00000	4.982
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	112120	5.00000	4.764
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	41943	5.00000	4.719
8 Dichlorodifluoromethane	85	1.525	1.525	(0.297)	12472	5.00000	3.950
9 Chloromethane	50	1.656	1.656	(0.323)	36088	5.00000	4.845
10 Vinyl Chloride	62	1.762	1.762	(0.343)	29002	5.00000	4.600
11 Bromomethane	94	2.034	2.034	(0.396)	9581	5.00000	5.504
12 Chloroethane	64	2.129	2.129	(0.415)	22019	5.00000	4.960
13 Trichlorofluoromethane	101	2.330	2.330	(0.454)	23939	5.00000	3.841
15 Acrolein	56	2.649	2.649	(0.516)	64288	50.0000	47.526
16 Acetone	43	2.768	2.768	(0.539)	64186	10.0000	12.433
17 1,1-Dichloroethene	96	2.744	2.744	(0.534)	29355	5.00000	4.859
18 Freon-113	151	2.768	2.768	(0.539)	16349	5.00000	4.510

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1752.D
Report Date: 24-Sep-2004 16:02

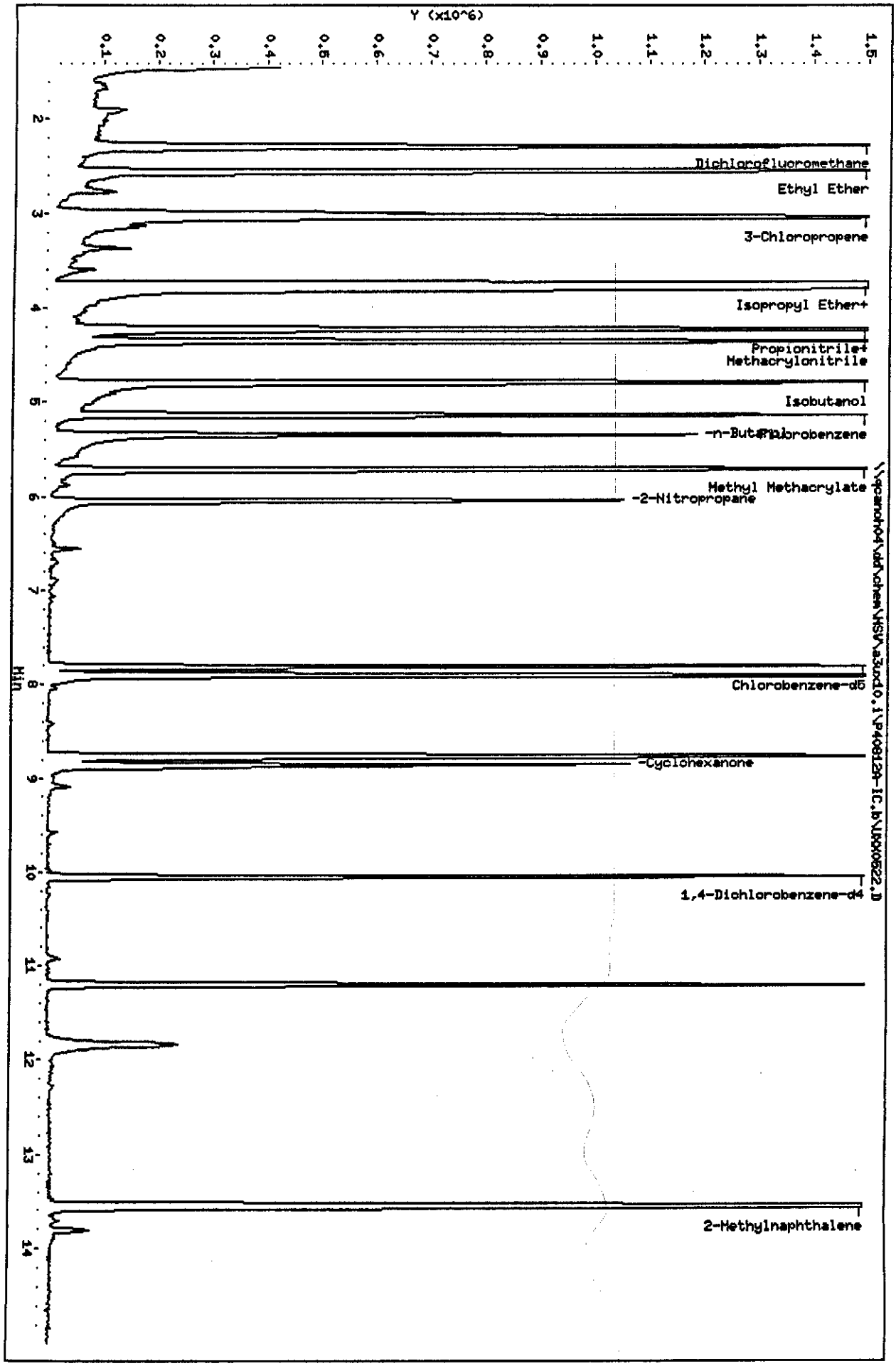
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 Iodomethane	142	2.874	2.874	(0.560)	46231	5.00000	5.014
20 Carbon Disulfide	76	2.945	2.945	(0.574)	93396	5.00000	4.784
21 Methylene Chloride	84	3.135	3.135	(0.611)	49576	5.00000	6.134
22 Acetonitrile	41	2.993	2.993	(0.583)	58788	50.0000	55.527
23 Acrylonitrile	53	3.312	3.312	(0.645)	163282	50.0000	47.292
24 Methyl tert-butyl ether	73	3.359	3.359	(0.654)	99201	5.00000	4.610
25 trans-1,2-Dichloroethene	96	3.371	3.371	(0.657)	35828	5.00000	4.651
26 Hexane	86	3.584	3.584	(0.698)	7077	5.00000	5.366
27 Vinyl acetate	43	3.726	3.726	(0.726)	61125	5.00000	4.451
28 1,1-Dichloroethane	63	3.703	3.703	(0.721)	57480	5.00000	4.706
29 tert-Butyl Alcohol	59	3.206	3.206	(0.624)	93122	100.000	99.107
30 2-Butanone	43	4.176	4.176	(0.813)	56938	10.0000	9.991
M 31 1,2-Dichloroethene (total)	96				72957	10.0000	9.297
32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	37129	5.00000	4.646
33 2,2-Dichloropropane	77	4.188	4.188	(0.816)	37044	5.00000	4.912
34 Bromochloromethane	128	4.377	4.377	(0.853)	20842	5.00000	5.225
35 Chloroform	83	4.436	4.436	(0.864)	63194	5.00000	4.972
36 Tetrahydrofuran	42	4.424	4.424	(0.862)	18531	5.00000	5.789
37 1,1,1-Trichloroethane	97	4.602	4.602	(0.896)	43729	5.00000	4.484
38 1,1-Dichloropropene	75	4.744	4.744	(0.924)	47131	5.00000	5.143
39 Carbon Tetrachloride	117	4.756	4.756	(0.926)	35735	5.00000	4.502
40 1,2-Dichloroethane	62	4.910	4.910	(0.956)	50211	5.00000	5.122
41 Benzene	78	4.910	4.910	(0.956)	184289	5.00000	5.814
42 Trichloroethene	130	5.454	5.454	(1.062)	43381	5.00000	5.166
43 1,2-Dichloropropane	63	5.631	5.631	(1.097)	31558	5.00000	4.850
44 1,4-Dioxane	88	5.738	5.738	(1.118)	15605	250.000	205.97(A)
45 Dibromomethane	93	5.738	5.738	(1.118)	20424	5.00000	4.551
46 Bromodichloromethane	83	5.856	5.856	(1.141)	43705	5.00000	4.980
47 2-Chloroethyl vinyl ether	63	6.105	6.105	(1.189)	32578	10.0000	8.272
48 cis-1,3-Dichloropropene	75	6.247	6.247	(1.217)	40428	5.00000	4.129
49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	78024	10.0000	9.202
50 Toluene	91	6.554	6.554	(0.839)	138646	5.00000	4.871
51 trans-1,3-Dichloropropene	75	6.732	6.732	(0.862)	38087	5.00000	4.434
52 Ethyl Methacrylate	69	6.803	6.803	(0.871)	32388	5.00000	3.940
53 1,1,2-Trichloroethane	97	6.897	6.897	(0.883)	29187	5.00000	4.885
54 1,3-Dichloropropane	76	7.051	7.051	(0.903)	48280	5.00000	4.723
55 Tetrachloroethene	164	7.063	7.063	(0.905)	27594	5.00000	5.086
56 2-Hexanone	43	7.110	7.110	(0.911)	55363	10.0000	9.117
57 Dibromochloromethane	129	7.264	7.264	(0.930)	25107	5.00000	4.131
58 1,2-Dibromoethane	107	7.383	7.383	(0.945)	28546	5.00000	4.651
59 Chlorobenzene	112	7.832	7.832	(1.003)	94305	5.00000	5.002
60 1,1,1,2-Tetrachloroethane	131	7.903	7.903	(1.012)	28892	5.00000	4.414
61 Ethylbenzene	106	7.927	7.927	(1.015)	46093	5.00000	4.667
62 m + p-Xylene	106	8.045	8.045	(1.030)	114509	10.0000	9.308
M 63 Xylenes (total)	106				171511	15.0000	13.922
64 Xylene-o	106	8.412	8.412	(1.077)	57002	5.00000	4.614
65 Styrene	104	8.424	8.424	(1.079)	83506	5.00000	4.303

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.1\P40924A-1C.D\UXX1752.D
Report Date: 24-Sep-2004 16:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.601	8.601	(1.102)	17495	5.00000	4.212
67 Isopropylbenzene	105	8.767	8.767	(1.123)	115095	5.00000	4.225
68 1,1,2,2-Tetrachloroethane	83	9.039	9.039	(0.900)	33210	5.00000	4.419
69 1,4-Dichloro-2-butene	53	9.087	9.087	(0.905)	8505	5.00000	4.252
70 1,2,3-Trichloropropane	110	9.087	9.087	(0.905)	16048	5.00000	4.923
71 Bromobenzene	156	9.075	9.075	(0.903)	35236	5.00000	4.552
72 n-Propylbenzene	120	9.169	9.169	(0.913)	35318	5.00000	4.409
73 2-Chlorotoluene	126	9.252	9.252	(0.921)	36471	5.00000	4.849
74 1,3,5-Trimethylbenzene	105	9.335	9.335	(0.929)	99371	5.00000	4.250
75 4-Chlorotoluene	126	9.359	9.359	(0.932)	36751	5.00000	4.683
76 tert-Butylbenzene	119	9.655	9.655	(0.961)	81591	5.00000	4.167
77 1,2,4-Trimethylbenzene	105	9.702	9.702	(0.966)	104425	5.00000	4.317
78 sec-Butylbenzene	105	9.867	9.867	(0.982)	114280	5.00000	4.346
79 4-Isopropyltoluene	119	10.009	10.009	(0.996)	92805	5.00000	4.213
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	67133	5.00000	4.646
81 1,4-Dichlorobenzene	146	10.069	10.069	(1.002)	78919	5.00000	5.070
82 n-Butylbenzene	91	10.412	10.412	(1.037)	77659	5.00000	4.381
83 1,2-Dichlorobenzene	146	10.435	10.435	(1.039)	68236	5.00000	4.900
84 1,2-Dibromo-3-chloropropane	157	11.193	11.193	(1.114)	8226	5.00000	4.685
85 1,2,4-Trichlorobenzene	180	12.033	12.033	(1.198)	30426	5.00000	4.598
86 Hexachlorobutadiene	225	12.210	12.210	(1.216)	13216	5.00000	5.554
87 Naphthalene	128	12.281	12.281	(1.223)	88676	5.00000	4.230
88 1,2,3-Trichlorobenzene	180	12.530	12.530	(1.247)	26065	5.00000	4.433
98 Cyclohexane	56	4.673	4.673	(0.910)	43630	5.00000	4.522
143 Methyl Acetate	43	3.040	3.040	(0.592)	71180	10.0000	10.364
144 Methylcyclohexane	83	5.631	5.631	(1.097)	47181	5.00000	5.049
141 1,3,5-Trichlorobenzene	180	11.429	11.429	(1.138)	36900	5.00000	4.851

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 12-AUG-2004 06:33
Client ID:
Sample Info: 200NG-A9IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Dichlorofluoromethane
Ethyl Ether
3-Chloropropene
Isopropyl Ether+
Propionitrile+
Methacrylonitrile
Isobutanol
-n-Butylbenzene
Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
2-Methylnaphthalene
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0522.D
Report Date: 12-Aug-2004 14:46

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0522.D
Lab Smp Id: 200NG-A9IC
Inj Date : 12-AUG-2004 06:33
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 200NG-A9IC
Misc Info : P40812A-IC,8260LLUX10,7-IX+.SUB,1904,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Meth Date : 12-Aug-2004 14:46 quayler Quant Type: ISTD
Cal Date : 12-AUG-2004 08:27 Cal File: UXX0527.D
Als bottle: 37 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	5.137	5.137	(1.000)	1513521	50.0000	
* 2 Chlorobenzene-d5	117	7.811	7.811	(1.000)	1021715	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.048	10.048	(1.000)	516910	50.0000	
14 Dichlorofluoromethane	67	2.274	2.274	(0.443)	2616784	200.000	227.96(A)
89 Ethyl Ether	59	2.546	2.546	(0.496)	1651873	200.000	211.53(A)
91 3-Chloropropene	76	3.043	3.043	(0.592)	656383	200.000	217.28(A)
92 Isopropyl Ether	87	3.764	3.764	(0.733)	6727168	1000.00	1166.8(A)
93 2-Chloro-1,3-butadiene	53	3.788	3.788	(0.737)	2141919	200.000	231.63(A)
94 Propionitrile	54	4.214	4.214	(0.820)	492888	400.000	439.98(A)
95 Ethyl Acetate	43	4.226	4.226	(0.823)	3998859	400.000	433.65(A)
96 Methacrylonitrile	41	4.344	4.344	(0.846)	1184225	200.000	206.27(A)
97 Isobutanol	41	4.794	4.794	(0.614)	1362809	4000.00	4279.1(A)
99 n-Butanol	56	5.350	5.350	(0.685)	1001493	4000.00	4321.0(A)
100 Methyl Methacrylate	41	5.705	5.705	(1.111)	1560371	200.000	215.12(A)
101 2-Nitropropane	41	6.048	6.048	(1.177)	753058	400.000	399.35(A)
103 Cyclohexanone	55	8.853	8.853	(0.881)	610855	2000.00	1943.0(A)
146 2-Methylnaphthalene	142	13.562	13.562	(1.350)	4084476	400.000	437.11(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0522.D
Report Date: 12-Aug-2004 14:46

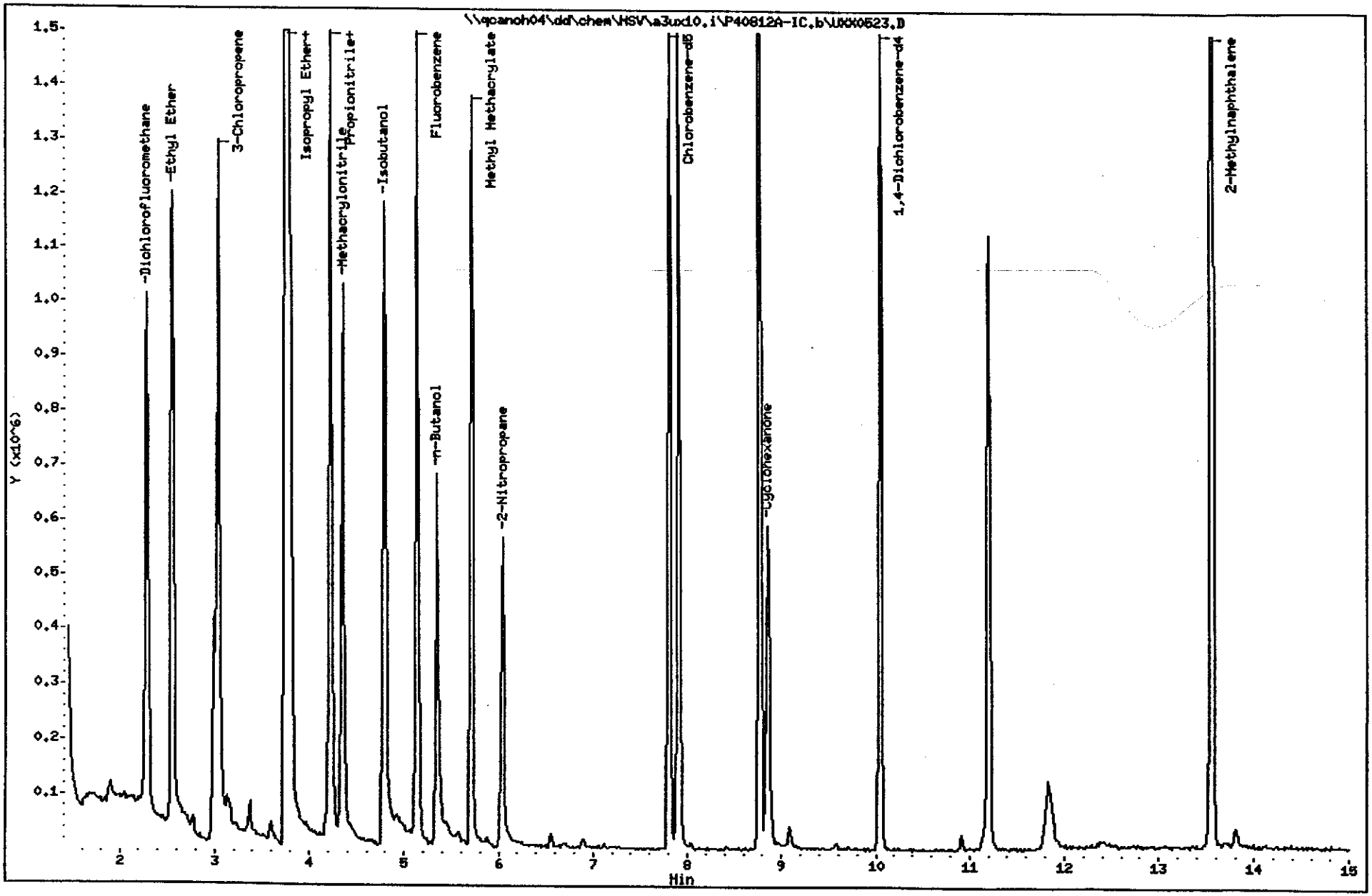
QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P40812A-IC.b\UXX0523.D
Date : 12-AUG-2004 06:56
Client ID:
Sample Info: 100NG-A9IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0523.D
Report Date: 12-Aug-2004 14:47

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0523.D
Lab Smp Id: 100NG-A9IC
Inj Date : 12-AUG-2004 06:56
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 100NG-A9IC
Misc Info : P40812A-IC,8260LLUX10,7-IX+.SUB,1904,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Meth Date : 12-Aug-2004 14:47 quayler Quant Type: ISTD
Cal Date : 12-AUG-2004 08:27 Cal File: UXX0527.D
Als bottle: 38 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

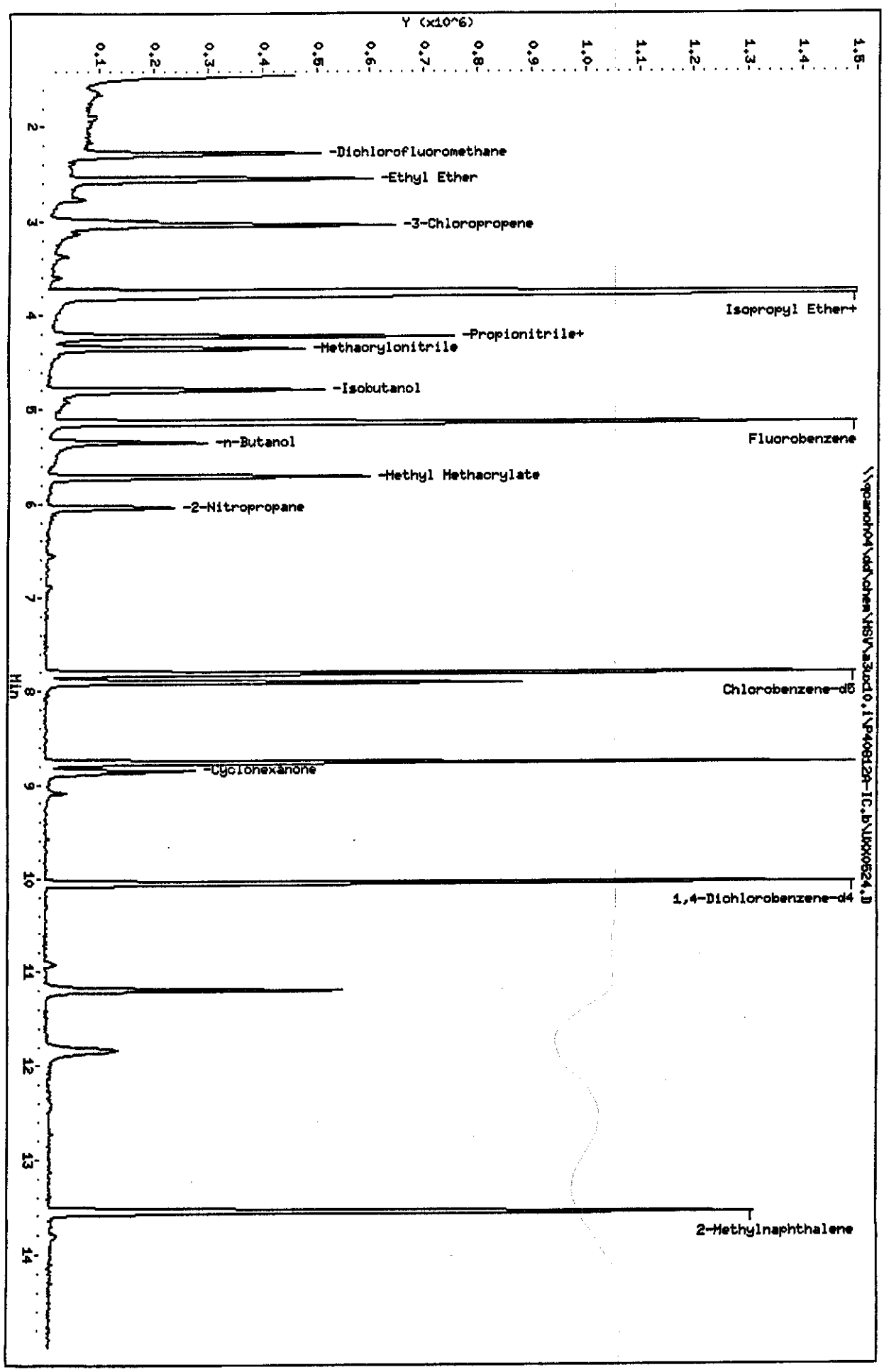
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	1514440	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1038871	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	523415	50.0000	
14 Dichlorofluoromethane	67	2.283	2.283	(0.445)	1221607	100.000	106.36
89 Ethyl Ether	59	2.555	2.555	(0.498)	819165	100.000	104.83
91 3-Chloropropene	76	3.040	3.040	(0.592)	311677	100.000	103.11
92 Isopropyl Ether	87	3.762	3.762	(0.733)	3093708	500.000	536.28(A)
93 2-Chloro-1,3-butadiene	53	3.786	3.786	(0.737)	1005432	100.000	108.66
94 Propionitrile	54	4.224	4.224	(0.823)	247023	200.000	220.38(A)
95 Ethyl Acetate	43	4.224	4.224	(0.823)	1955115	200.000	211.89(A)
96 Methacrylonitrile	41	4.354	4.354	(0.848)	599988	100.000	104.44
97 Isobutanol	41	4.792	4.792	(0.614)	711498	2000.00	2197.1(A)
99 n-Butanol	56	5.348	5.348	(0.685)	486067	2000.00	2062.5(A)
100 Methyl Methacrylate	41	5.715	5.715	(1.113)	762638	100.000	105.08
101 2-Nitropropane	41	6.046	6.046	(1.177)	351283	200.000	204.10(A)
103 Cyclohexanone	55	8.850	8.850	(0.881)	336106	1000.00	1055.8(A)
146 2-Methylnaphthalene	142	13.560	13.560	(1.350)	2003942	200.000	211.79

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0523.D
Report Date: 12-Aug-2004 14:47

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ud10.i\P408129-IC.b\UXX0524.D
Date : 12-AUG-2004 07:18
Client ID:
Sample Info: 50NG-A91C
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ud10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
-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
\\qcanoh04\dd\chem\MSV\a3ud10.i\P408129-IC.b\UXX0524.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0524.D
Report Date: 12-Aug-2004 14:49

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0524.D
Lab Smp Id: 50NG-A9IC
Inj Date : 12-AUG-2004 07:18
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-A9IC
Misc Info : P40812A-IC,8260LLUX10,7-IX+.SUB,1904,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Meth Date : 12-Aug-2004 14:49 quayler Quant Type: ISTD
Cal Date : 12-AUG-2004 08:27 Cal File: UXX0527.D
Als bottle: 39 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

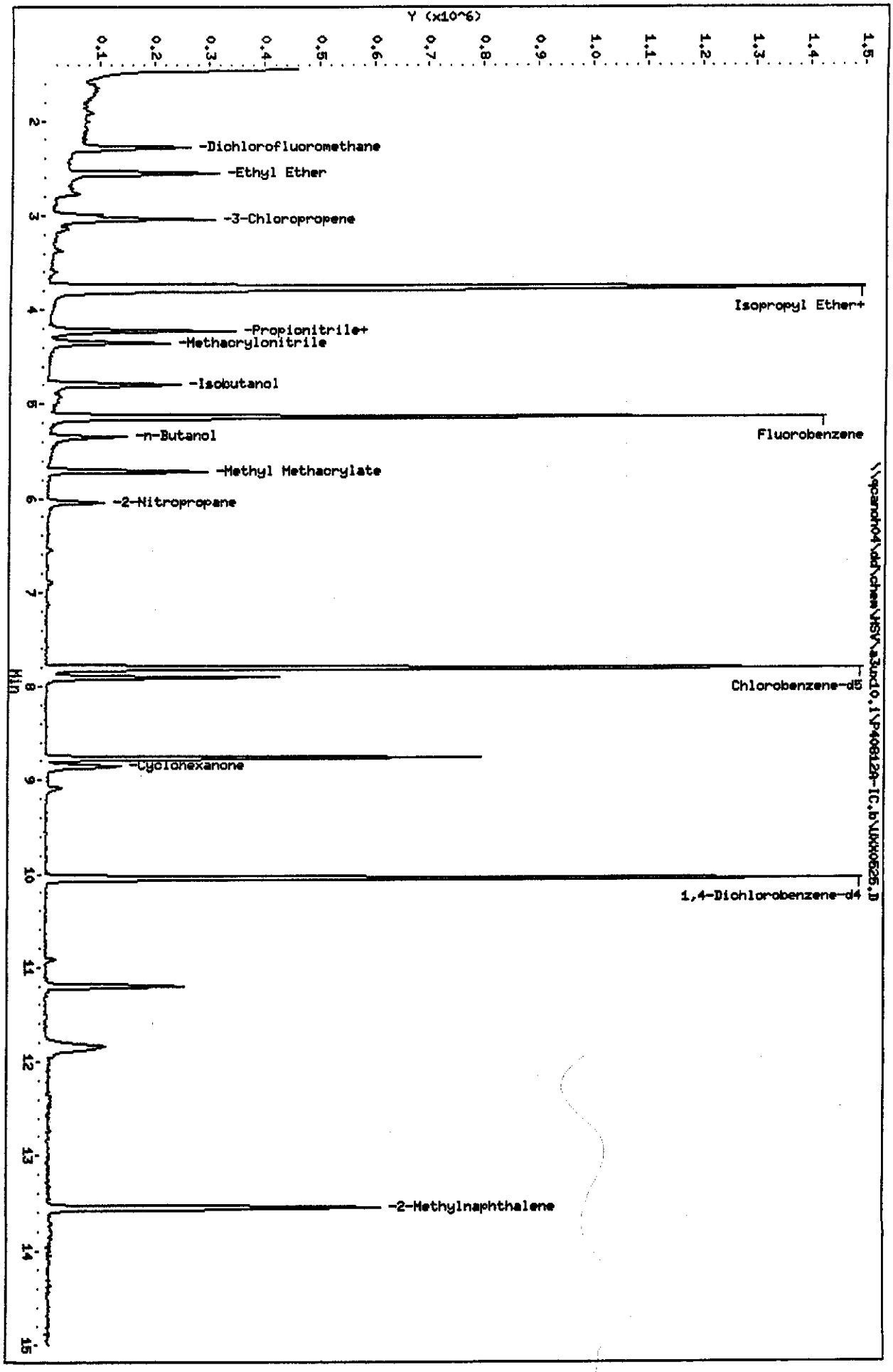
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.137	5.137	(1.000)	1483125	50.0000	
* 2 Chlorobenzene-d5	117	7.811	7.811	(1.000)	1012863	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.048	10.048	(1.000)	505607	50.0000	
14 Dichlorofluoromethane	67	2.285	2.285	(0.445)	584324	50.0000	51.947
89 Ethyl Ether	59	2.557	2.557	(0.498)	395575	50.0000	51.693
91 3-Chloropropene	76	3.043	3.043	(0.592)	154711	50.0000	52.262
92 Isopropyl Ether	87	3.764	3.764	(0.733)	1456804	250.000	257.86(A)
93 2-Chloro-1,3-butadiene	53	3.788	3.788	(0.737)	478908	50.0000	52.852
94 Propionitrile	54	4.226	4.226	(0.823)	104996	100.000	95.647
95 Ethyl Acetate	43	4.226	4.226	(0.823)	908101	100.000	100.50
96 Methacrylonitrile	41	4.356	4.356	(0.848)	279765	50.0000	49.728
97 Isobutanol	41	4.794	4.794	(0.614)	344086	1000.00	1089.8(A)
99 n-Butanol	56	5.350	5.350	(0.685)	238288	1000.00	1037.1(A)
100 Methyl Methacrylate	41	5.705	5.705	(1.111)	358639	50.0000	50.458
101 2-Nitropropane	41	6.048	6.048	(1.177)	149072	100.000	94.775
103 Cyclohexanone	55	8.853	8.853	(0.881)	162909	500.000	529.78(A)
146 2-Methylnaphthalene	142	13.562	13.562	(1.350)	933030	100.000	102.08

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0524.D
Report Date: 12-Aug-2004 14:49

QC Flag Legend

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


Data File: \\qcandh04\dd\chem\HSV\a3ud10.i\P408128A-IC.b\UXX0525.D
Date : 12-AUG-2004 07:41
Client ID:
Sample Info: 25NG-A91C
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ud10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
-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
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0525.D
Report Date: 12-Aug-2004 14:47

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0525.D
Lab Smp Id: 25NG-A9IC
Inj Date : 12-AUG-2004 07:41
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 25NG-A9IC
Misc Info : P40812A-IC,8260LLUX10,7-IX+.SUB,1904,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Meth Date : 12-Aug-2004 14:47 quayler Quant Type: ISTD
Cal Date : 12-AUG-2004 08:27 Cal File: UXX0527.D
Als bottle: 40 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

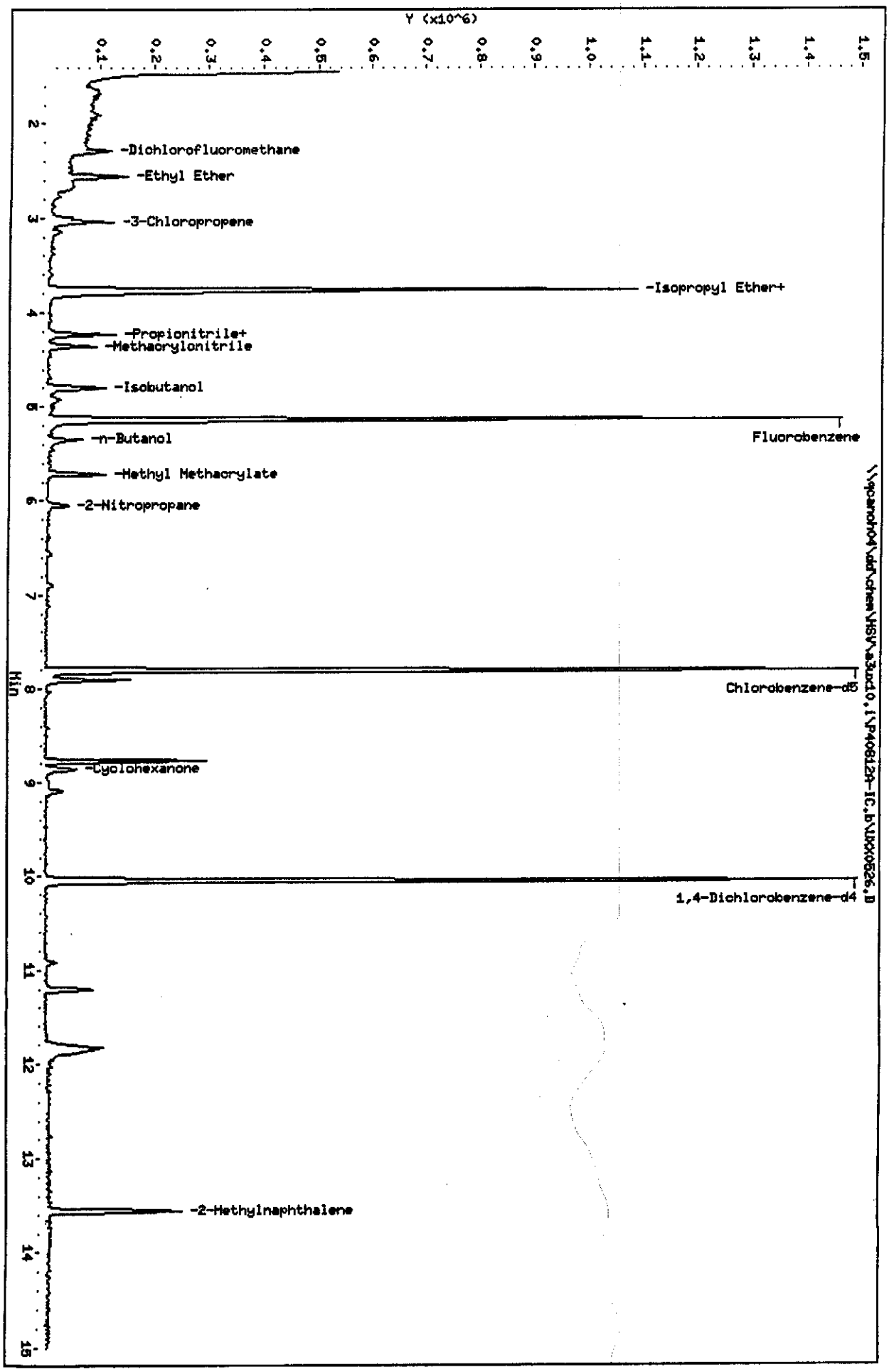
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.134	5.134	(1.000)	1443937	50.0000	
* 2 Chlorobenzene-d5	117	7.808	7.808	(1.000)	991466	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	496761	50.0000	
14 Dichlorofluoromethane	67	2.282	2.282	(0.445)	274212	25.0000	25.039
89 Ethyl Ether	59	2.555	2.555	(0.498)	183772	25.0000	24.667
91 3-Chloropropene	76	3.040	3.040	(0.592)	74232	25.0000	25.756
92 Isopropyl Ether	87	3.762	3.762	(0.733)	666666	125.000	121.21
93 2-Chloro-1,3-butadiene	53	3.785	3.785	(0.737)	217588	25.0000	24.664
94 Propionitrile	54	4.223	4.223	(0.823)	51786	50.0000	48.455
95 Ethyl Acetate	43	4.223	4.223	(0.823)	426702	50.0000	48.503
96 Methacrylonitrile	41	4.353	4.353	(0.848)	138162	25.0000	25.225
97 Isobutanol	41	4.791	4.791	(0.614)	138820	500.000	449.18(A)
99 n-Butanol	56	5.347	5.347	(0.685)	117528	500.000	522.55(A)
100 Methyl Methacrylate	41	5.714	5.714	(1.113)	162906	25.0000	23.542
101 2-Nitropropane	41	6.045	6.045	(1.177)	64478	50.0000	45.771
103 Cyclohexanone	55	8.850	8.850	(0.881)	77583	250.000	256.79(A)
146 2-Methylnaphthalene	142	13.559	13.559	(1.350)	442617	50.0000	49.289

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0525.D
Report Date: 12-Aug-2004 14:47

QC Flag Legend

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


Data File: \\qcanch04\dd\chem\HSV\a3ux10.i\P408120-IC.b\UX00526.D
Date : 12-AUG-2004 08:04
Client ID:
Sample Info: 10NG-A91C
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
-Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
-n-Butanol
Fluorobenzene
-Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
-2-Methylnaphthalene
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0526.D
Report Date: 12-Aug-2004 14:48

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0526.D
Lab Smp Id: 10NG-A9IC
Inj Date : 12-AUG-2004 08:04
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 10NG-A9IC
Misc Info : P40812A-IC,8260LLUX10,7-IX+.SUB,1904,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Meth Date : 12-Aug-2004 14:48 quayler Quant Type: ISTD
Cal Date : 12-AUG-2004 08:27 Cal File: UXX0527.D
Als bottle: 41 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

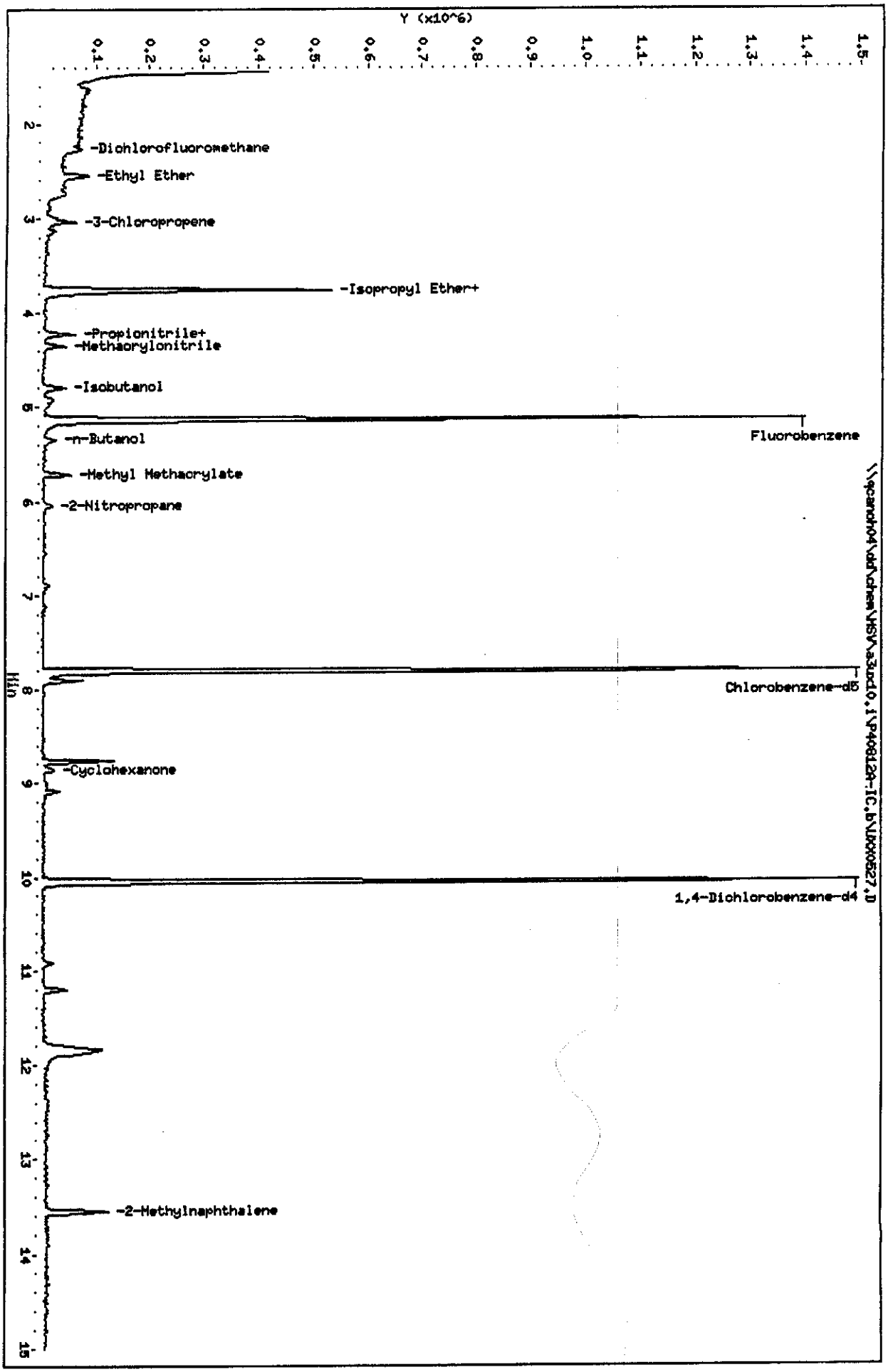
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	1415818	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1002144	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	497553	50.0000	
14 Dichlorofluoromethane	67	2.284	2.284	(0.445)	93673	10.0000	8.723
89 Ethyl Ether	59	2.556	2.556	(0.498)	71736	10.0000	9.820
91 3-Chloropropene	76	3.041	3.041	(0.592)	27077	10.0000	9.582
92 Isopropyl Ether	87	3.763	3.763	(0.733)	236799	50.0000	43.908
93 2-Chloro-1,3-butadiene	53	3.786	3.786	(0.737)	76931	10.0000	8.894
94 Propionitrile	54	4.224	4.224	(0.823)	19286	20.0000	18.404
95 Ethyl Acetate	43	4.224	4.224	(0.823)	160834	20.0000	18.645
96 Methacrylonitrile	41	4.354	4.354	(0.848)	49658	10.0000	9.246
97 Isobutanol	41	4.792	4.792	(0.614)	62061	200.000	198.67
99 n-Butanol	56	5.348	5.348	(0.685)	48456	200.000	213.15(A)
100 Methyl Methacrylate	41	5.715	5.715	(1.113)	63310	10.0000	9.331
101 2-Nitropropane	41	6.046	6.046	(1.177)	27756	20.0000	23.301
103 Cyclohexanone	55	8.851	8.851	(0.881)	31303	100.000	103.44
146 2-Methylnaphthalene	142	13.560	13.560	(1.350)	172698	20.0000	19.201

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0526.D
Report Date: 12-Aug-2004 14:48

QC Flag Legend

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


Data File: \\qcandh04\dd\chem\MSV\a3ud10.i\P408128-IC.b\UX00527.D
Date : 12-AUG-2004 08:27
Client ID:
Sample Info: BNG-A91C
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ud10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
-Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
\\qcandh04\dd\chem\MSV\a3ud10.i\P408128-IC.b\UX00527.D
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
-2-Methylnaphthalene
Min
2
3
4
5
6
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14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0527.D
Report Date: 12-Aug-2004 14:49

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0527.D
Lab Smp Id: 5NG-A9IC
Inj Date : 12-AUG-2004 08:27
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 5NG-A9IC
Misc Info : P40812A-IC,8260LLUX10,7-IX+.SUB,1904,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Meth Date : 12-Aug-2004 14:48 quayler Quant Type: ISTD
Cal Date : 12-AUG-2004 08:27 Cal File: UXX0527.D
Als bottle: 42 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.134	5.134	(1.000)	1384862	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	948977	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	485407	50.0000	
14 Dichlorofluoromethane	67	2.271	2.271	(0.442)	46413	5.00000	4.419
89 Ethyl Ether	59	2.555	2.555	(0.498)	31851	5.00000	4.458
91 3-Chloropropene	76	3.040	3.040	(0.592)	11732	5.00000	4.244
92 Isopropyl Ether	87	3.762	3.762	(0.733)	116227	25.0000	22.033
93 2-Chloro-1,3-butadiene	53	3.785	3.785	(0.737)	34785	5.00000	4.111
94 Propionitrile	54	4.223	4.223	(0.823)	9762	10.0000	9.524
95 Ethyl Acetate	43	4.223	4.223	(0.823)	80087	10.0000	9.492
96 Methacrylonitrile	41	4.353	4.353	(0.848)	26162	5.00000	4.980
97 Isobutanol	41	4.791	4.791	(0.614)	25147	100.000	85.011
99 n-Butanol	56	5.347	5.347	(0.685)	15942	100.000	74.055
100 Methyl Methacrylate	41	5.714	5.714	(1.113)	32840	5.00000	4.948
101 2-Nitropropane	41	6.046	6.046	(1.177)	10945	10.0000	12.701
103 Cyclohexanone	55	8.850	8.850	(0.881)	12569	50.0000	42.575
146 2-Methylnaphthalene	142	13.559	13.559	(1.350)	77363	10.0000	8.816

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1753.D
Report Date: 24-Sep-2004 16:17

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk
Sublist File: 2-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
Misc Info: P40924A-IC,8260LLUX10,2-8260.SUB,1904,3

Client SDG: SDGa01474
Fraction: VOA

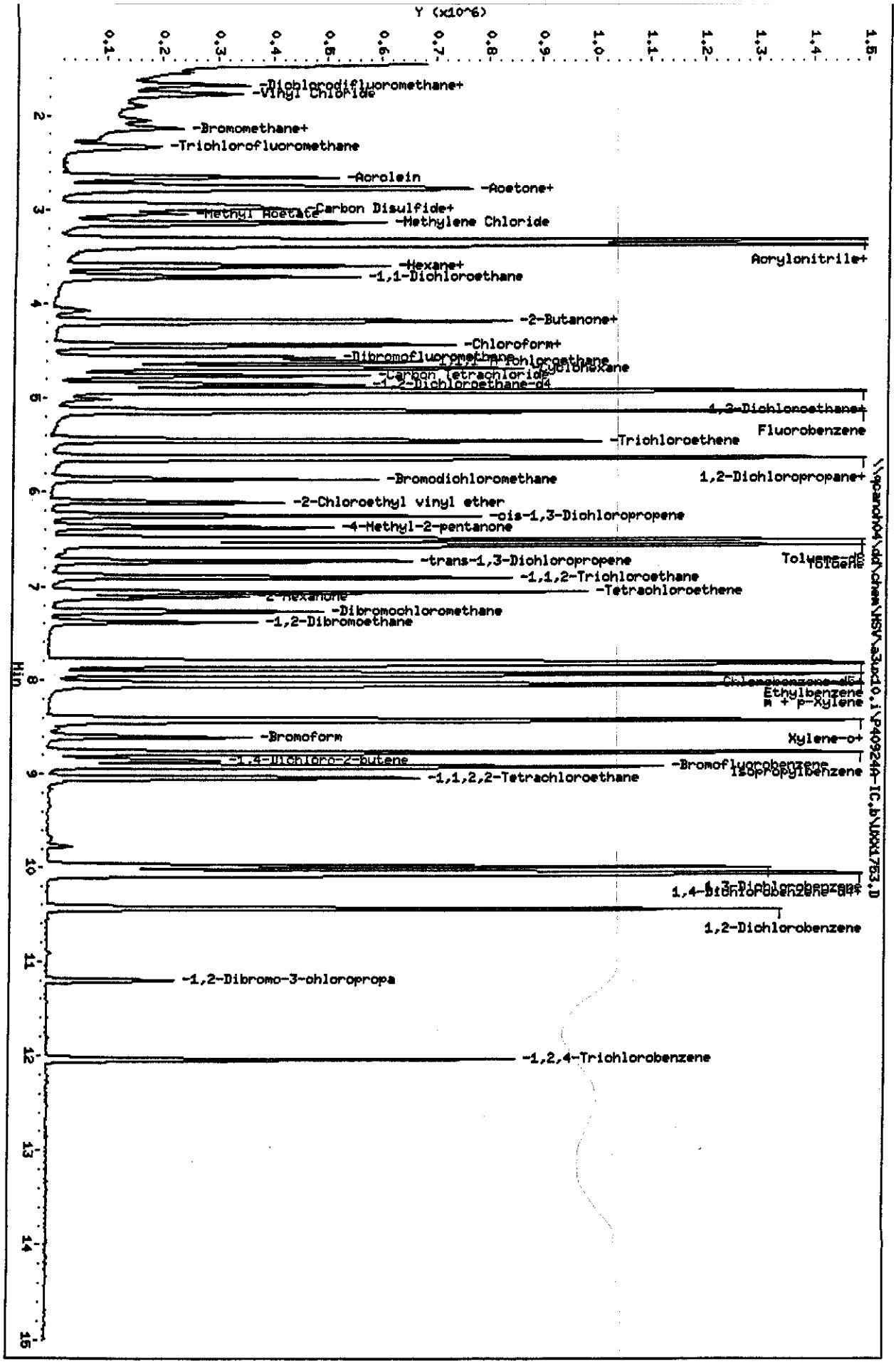
Operator: 1904
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	9.623	96.23	45-155
	42 Trichloroethene	10.000	9.513	95.13	45-155
	59 Chlorobenzene	10.000	9.727	97.27	45-155
	50 Toluene	10.000	10.180	101.80	45-155
	41 Benzene	10.000	9.222	92.22	45-155
	16 Acetone	10.000	5.350	53.50	45-155
	20 Carbon Disulfide	10.000	9.091	90.91	45-155
	9 Chloromethane	10.000	8.506	85.06	45-155
	11 Bromomethane	10.000	8.074	80.74	45-155
	10 Vinyl Chloride	10.000	8.787	87.87	45-155
	12 Chloroethane	10.000	8.652	86.52	45-155
	21 Methylene Chloride	10.000	9.000	90.00	45-155
	28 1,1-Dichloroethane	10.000	10.035	100.35	45-155
M	31 1,2-Dichloroethene	20.000	19.443	97.22	45-155
	35 Chloroform	10.000	9.744	97.44	45-155
	40 1,2-Dichloroethane	10.000	9.639	96.39	45-155
	30 2-Butanone	10.000	6.888	68.88	45-155
	37 1,1,1-Trichloroeth	10.000	9.758	97.58	45-155
	39 Carbon Tetrachlori	10.000	9.514	95.14	45-155
	46 Bromodichlorometha	10.000	9.620	96.20	45-155
	43 1,2-Dichloropropan	10.000	10.076	100.76	45-155
	48 cis-1,3-Dichloropr	10.000	9.959	99.59	45-155
	57 Dibromochlorometha	10.000	9.892	98.92	45-155
	53 1,1,2-Trichloroeth	10.000	9.838	98.38	45-155
	51 trans-1,3-Dichloro	10.000	9.593	95.93	45-155
	66 Bromoform	10.000	9.539	95.39	45-155
	49 4-Methyl-2-pentano	10.000	8.765	87.65	45-155
	56 2-Hexanone	10.000	7.873	78.73	45-155
	55 Tetrachloroethene	10.000	9.108	91.08	45-155
	68 1,1,2,2-Tetrachlor	10.000	10.221	102.21	45-155
	61 Ethylbenzene	10.000	9.819	98.19	45-155
	65 Styrene	10.000	10.034	100.34	45-155
	62 m + p-Xylene	20.000	19.893	99.47	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1753.D
Report Date: 24-Sep-2004 16:17

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
M 63 Xylenes (total)	30.000	29.723	99.08	45-155
64 Xylene-o	10.000	9.830	98.30	45-155
32 cis-1,2-dichloroet	10.000	9.617	96.17	45-155
25 trans-1,2-Dichloro	10.000	9.826	98.26	45-155
8 Dichlorodifluorome	10.000	5.171	51.71	45-155
13 Trichlorofluoromet	10.000	7.979	79.79	45-155
18 Freon-113	10.000	10.234	102.34	45-155
24 Methyl tert-butyl	10.000	9.819	98.19	45-155
58 1,2-Dibromoethane	10.000	9.794	97.94	45-155
67 Isopropylbenzene	10.000	10.460	104.60	45-155
80 1,3-Dichlorobenzen	10.000	9.264	92.64	45-155
81 1,4-Dichlorobenzen	10.000	9.312	93.12	45-155
83 1,2-Dichlorobenzen	10.000	9.378	93.78	45-155
84 1,2-Dibromo-3-chlo	10.000	9.105	91.05	45-155
85 1,2,4-Trichloroben	10.000	9.209	92.09	45-155
98 Cyclohexane	10.000	9.384	93.84	45-155
143 Methyl Acetate	10.000	9.572	95.72	45-155
144 Methylcyclohexane	10.000	9.436	94.36	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	10.114	101.14	73-122
$ 5 1,2-Dichloroethane	10.000	10.063	100.63	61-128
$ 6 Toluene-d8	10.000	10.811	108.11	76-110
$ 7 Bromofluorobenzene	10.000	10.665	106.65	74-116


Data File: \\qcanch04\dd\chem\HSV\a3ucl0.i\P40924A-IC.b\UXX1753.D
Date : 24-SEP-2004 15:08
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ucl0.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform+
-Dibromofluoromethane
-1,1,1-Trichloroethane
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-1,4-Dichloro-2-butene
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
1,4-Dichlorobenzene-d4+
1,3-Dichlorobenzene
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanch04\dd\chem\HSV\a3ucl0.i\P40924A-IC.b\UXX1753.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1753.D
Report Date: 24-Sep-2004 16:17

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\UXX1753.D
Lab Smp Id: ICV
Inj Date : 24-SEP-2004 15:08
Operator : 1904 Inst ID: a3ux10.i
Smp Info : ICV
Misc Info : P40924A-IC,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\8260LLUX10.m
Meth Date : 24-Sep-2004 16:11 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 7 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	1759366	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.808	(1.000)	1167014	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.045	(1.000)	615109	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.566	(0.889)	332527	50.5695	10.114
$ 5 1,2-Dichloroethane-d4	65	4.851	4.850	(0.945)	410265	50.3152	10.063
$ 6 Toluene-d8	98	6.496	6.495	(0.832)	1299404	54.0558	10.811
$ 7 Bromofluorobenzene	95	8.910	8.909	(1.141)	484133	53.3238	10.665
8 Dichlorodifluoromethane	85	1.538	1.526	(0.300)	92449	25.8531	5.171
9 Chloromethane	50	1.668	1.667	(0.325)	319945	42.5315	8.506
10 Vinyl Chloride	62	1.763	1.762	(0.343)	279790	43.9366	8.787
11 Bromomethane	94	2.047	2.046	(0.399)	70986	40.3710	8.074
12 Chloroethane	64	2.130	2.129	(0.415)	193963	43.2590	8.652
13 Trichlorofluoromethane	101	2.331	2.330	(0.454)	270625	39.8944	7.979
15 Acrolein	56	2.650	2.649	(0.516)	644346	471.615	94.323
16 Acetone	43	2.769	2.768	(0.539)	143079	26.7491	5.350
17 1,1-Dichloroethene	96	2.757	2.756	(0.537)	293583	48.1144	9.623
18 Freon-113	151	2.781	2.779	(0.541)	187328	51.1677	10.234
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.D\UXX1753.D
Report Date: 24-Sep-2004 16:17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.946	2.945	(0.574)	896205	45.4543	9.091
	21 Methylene Chloride	84	3.135	3.134	(0.611)	367395	45.0028	9.000
	22 Acetonitrile	41	2.993	2.992	(0.583)	447221	418.219	83.644
	23 Acrylonitrile	53	3.325	3.312	(0.647)	1700777	487.709	97.542
	24 Methyl tert-butyl ether	73	3.372	3.371	(0.657)	1067087	49.0965	9.819
	25 trans-1,2-Dichloroethene	96	3.372	3.371	(0.657)	382266	49.1310	9.826
	26 Hexane	86	3.597	3.596	(0.700)	65187	48.9381	9.788
	27 Vinyl acetate	43	3.597	3.726	(0.700)	205109	14.7876	2.958
	28 1,1-Dichloroethane	63	3.703	3.702	(0.721)	619042	50.1741	10.035
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.177	4.176	(0.813)	198227	34.4389	6.888
M	31 1,2-Dichloroethene (total)	96				770369	97.2147	19.443
	32 cis-1,2-dichloroethene	96	4.189	4.176	(0.816)	388103	48.0837	9.617
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.437	4.436	(0.864)	625485	48.7224	9.744
	36 Tetrahydrofuran	42	4.425	4.424	(0.862)	9415	2.91218	0.5824
	37 1,1,1-Trichloroethane	97	4.603	4.602	(0.896)	480548	48.7878	9.758
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.757	4.755	(0.926)	381362	47.5714	9.514
	40 1,2-Dichloroethane	62	4.910	4.909	(0.956)	477199	48.1953	9.639
	41 Benzene	78	4.910	4.909	(0.956)	1476253	46.1100	9.222
	42 Trichloroethene	130	5.455	5.454	(1.062)	403454	47.5674	9.513
	43 1,2-Dichloropropane	63	5.632	5.631	(1.097)	331114	50.3826	10.076
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.857	5.856	(1.141)	426367	48.1003	9.620
	47 2-Chloroethyl vinyl ether	63	6.106	6.104	(1.189)	188977	47.5065	9.501
	48 cis-1,3-Dichloropropene	75	6.248	6.246	(1.217)	492479	49.7933	9.959
	49 4-Methyl-2-pentanone	43	6.366	6.365	(1.240)	375330	43.8241	8.765
	50 Toluene	91	6.555	6.554	(0.839)	1479673	50.8991	10.180
	51 trans-1,3-Dichloropropene	75	6.733	6.731	(0.862)	420811	47.9664	9.593
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.898	6.897	(0.883)	300207	49.1915	9.838
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.052	7.063	(0.903)	252371	45.5376	9.108
	56 2-Hexanone	43	7.111	7.110	(0.911)	244165	39.3645	7.873
	57 Dibromochloromethane	129	7.265	7.264	(0.930)	307017	49.4611	9.892
	58 1,2-Dibromoethane	107	7.383	7.382	(0.945)	307000	48.9680	9.794
	59 Chlorobenzene	112	7.833	7.832	(1.003)	936682	48.6352	9.727
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.928	7.927	(1.015)	495262	49.0960	9.819
	62 m + p-Xylene	106	8.034	8.033	(1.029)	1249916	99.4646	19.893
M	63 Xylenes (total)	106				1870071	148.614	29.723
	64 Xylene-o	106	8.413	8.412	(1.077)	620155	49.1495	9.830
	65 Styrene	104	8.425	8.424	(1.079)	994440	50.1680	10.034
	66 Bromoform	173	8.602	8.601	(1.102)	202334	47.6962	9.539

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.D\UXX1753.D
Report Date: 24-Sep-2004 16:17

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
67 Isopropylbenzene	105	8.768	8.767	(1.123)	1455192	52.3015	10.460
68 1,1,2,2-Tetrachloroethane	83	9.040	9.039	(0.900)	400308	51.1052	10.221
69 1,4-Dichloro-2-butene	53	8.863	9.086	(0.882)	6164	2.95661	0.5913
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.987	9.986	(0.994)	697740	46.3228	9.264
81 1,4-Dichlorobenzene	146	10.070	10.068	(1.002)	755408	46.5601	9.312
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.436	10.435	(1.039)	680616	46.8916	9.378
84 1,2-Dibromo-3-chloropropane	157	11.205	11.204	(1.115)	83326	45.5243	9.105
85 1,2,4-Trichlorobenzene	180	12.034	12.044	(1.198)	317587	46.0450	9.209
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.674	4.673	(0.910)	457202	46.9182	9.384
143 Methyl Acetate	43	3.041	3.040	(0.592)	332006	47.8613	9.572
144 Methylcyclohexane	83	5.632	5.631	(1.097)	445290	47.1819	9.436
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m
Start Cal Date: 11-AUG-2004 16:41
End Cal Date : 24-SEP-2004 14:45
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
24-AUG-2004 06:27	dimethox	UXX0877.D
12-AUG-2004 08:27	7-IX+	UXX0527.D
24-SEP-2004 14:45	2-8260	UXX1752.D
Cal Level: 2 , Cal Amount: 10.000		
24-AUG-2004 06:03	dimethox	UXX0876.D
12-AUG-2004 08:04	7-IX+	UXX0526.D
24-SEP-2004 14:22	2-8260	UXX1751.D
Cal Level: 3 , Cal Amount: 25.000		
24-AUG-2004 05:40	dimethox	UXX0875.D
12-AUG-2004 07:41	7-IX+	UXX0525.D
24-SEP-2004 13:59	2-8260	UXX1750.D
Cal Level: 4 , Cal Amount: 50.000		
24-AUG-2004 05:17	dimethox	UXX0874.D
12-AUG-2004 07:18	7-IX+	UXX0524.D
24-SEP-2004 13:35	2-8260	UXX1749.D
Cal Level: 5 , Cal Amount: 100.00		
24-AUG-2004 04:54	dimethox	UXX0873.D
12-AUG-2004 06:56	7-IX+	UXX0523.D
24-SEP-2004 13:12	2-8260	UXX1748.D
Cal Level: 6 , Cal Amount: 200.00		
24-AUG-2004 04:31	dimethox	UXX0872.D
12-AUG-2004 06:33	7-IX+	UXX0522.D
24-SEP-2004 12:49	2-8260	UXX1747.D

Continuing Calibration

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A\UXX1778.D
Report Date: 09/27/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux10.i
Lab File ID: UXX1778.D
Analysis Type: WATER

Injection Date: 27-SEP-2004 10:31
Lab Sample ID: 50NG-IC
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	50.3990	0.8	50.0
0 Bromodichloromethane	50.0000	55.4959	11.0	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	54.1274	8.3	50.0
0 Bromoform	50.0000	59.2561	18.5	50.0
0 Styrene	50.0000	52.4310	4.9	50.0
0 Xylene-o	50.0000	51.0586	2.1	50.0
0 Xylenes (total)	150.0000	153.0200	2.0	50.0
0 2-Hexanone	100.0000	104.8067	4.8	50.0
0 Chloromethane	50.0000	47.6807	4.6	50.0
0 Vinyl Chloride	50.0000	56.9700	13.9	20.0
0 Bromomethane	50.0000	55.6816	11.4	50.0
0 Chloroethane	50.0000	51.6457	3.3	50.0
0 1,1-Dichloroethane	50.0000	54.6279	9.3	50.0
0 Tetrachloroethene	50.0000	50.4711	0.9	50.0
0 Acetone	100.0000	100.1533	0.2	50.0
0 1,1-Dichloroethene	50.0000	51.1729	2.3	20.0
0 m + p-Xylene	100.0000	101.9614	2.0	50.0
0 Ethylbenzene	50.0000	50.0109	0.0	20.0
0 Carbon Disulfide	50.0000	52.7139	5.4	50.0
0 Methylene Chloride	50.0000	47.9728	4.1	50.0
0 1,2-Dichloropropane	50.0000	53.7869	7.6	20.0
0 1,1,2-Trichloroethane	50.0000	52.2634	4.5	50.0
0 Dibromochloromethane	50.0000	55.3847	10.8	50.0
0 trans-1,2-Dichloroethene	50.0000	51.8730	3.7	50.0
0 trans-1,3-Dichloropropene	50.0000	54.7746	9.5	50.0
0 cis-1,3-Dichloropropene	50.0000	56.6275	13.3	50.0
0 Chloroform	50.0000	53.3270	6.7	20.0
0 Toluene	50.0000	51.7973	3.6	20.0
0 2-Butanone	100.0000	98.5889	1.4	50.0
0 1,2-Dichloroethene (total)	100.0000	105.0031	5.0	50.0
0 cis-1,2-dichloroethene	50.0000	53.1301	6.3	50.0
0 4-Methyl-2-pentanone	100.0000	111.6231	11.6	50.0
0 1,2-Dichloroethane	50.0000	52.9330	5.9	50.0
0 Trichloroethene	50.0000	48.3941	3.2	50.0
0 1,1,1-Trichloroethane	50.0000	54.1598	8.3	50.0
0 Carbon Tetrachloride	50.0000	58.4439	16.9	50.0
0 Benzene	50.0000	50.8907	1.8	50.0
38 Dichlorodifluoromethane	50.0000	44.3717	11.3	50.0
39 Trichlorofluoromethane	50.0000	56.5141	13.0	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\[illegible]
Report Date: 09/27/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux10.i
Lab File ID: UXX1778.D
Analysis Type: WATER

Injection Date: 27-SEP-2004 10:31
Lab Sample ID: 50NG-IC
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
40 Acrolein	500.0000	470.5987	5.9	50.0
41 Acrylonitrile	500.0000	544.9897	9.0	50.0
42 Vinyl acetate	50.0000	54.5658	9.1	50.0
43 2-Chloroethyl vinyl ether	100.0000	113.6711	13.7	50.0
47 Freon-113	50.0000	59.7652	19.5	50.0
48 1,3-Dichlorobenzene	50.0000	48.3940	3.2	50.0
49 1,4-Dichlorobenzene	50.0000	47.4400	5.1	50.0
50 1,2-Dichlorobenzene	50.0000	49.0257	1.9	50.0
51 Acetonitrile	500.0000	522.0655	4.4	50.0
52 Iodomethane	50.0000	49.7554	0.5	50.0
59 1,4-Dioxane	2500.0000	3206.3742	28.3	50.0
60 Dibromomethane	50.0000	53.4835	7.0	50.0
62 Ethyl Methacrylate	50.0000	55.0148	10.0	50.0
63 1,2-Dibromoethane	50.0000	52.6198	5.2	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	55.2762	10.6	50.0
65 1,2,3-Trichloropropane	50.0000	52.0640	4.1	50.0
66 1,4-Dichloro-2-butene	50.0000	62.5472	25.1	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	53.8749	7.7	50.0
82 Methyl tert-butyl ether	50.0000	54.4085	8.8	50.0
84 Tetrahydrofuran	50.0000	47.2569	5.5	50.0
98 2,2-Dichloropropane	50.0000	54.2738	8.5	50.0
99 1,1-Dichloropropene	50.0000	52.4043	4.8	50.0
100 1,3-Dichloropropane	50.0000	53.2453	6.5	50.0
102 Bromobenzene	50.0000	48.7988	2.4	50.0
103 2-Chlorotoluene	50.0000	47.1814	5.6	50.0
104 n-Propylbenzene	50.0000	47.9941	4.0	50.0
105 4-Chlorotoluene	50.0000	47.8538	4.3	50.0
106 1,3,5-Trimethylbenzene	50.0000	49.9107	0.2	50.0
107 tert-Butylbenzene	50.0000	47.5053	5.0	50.0
108 1,2,4-Trimethylbenzene	50.0000	49.9558	0.1	50.0
109 sec-Butylbenzene	50.0000	48.1526	3.7	50.0
110 4-Isopropyltoluene	50.0000	49.6929	0.6	50.0
111 n-Butylbenzene	50.0000	48.5421	2.9	50.0
112 1,2,4-Trichlorobenzene	50.0000	47.8624	4.3	50.0
113 Naphthalene	50.0000	49.4162	1.2	50.0
114 Hexachlorobutadiene	50.0000	42.7104	14.6	50.0
115 1,2,3-Trichlorobenzene	50.0000	48.2860	3.4	50.0
124 tert-Butyl Alcohol	1000.0000	1081.2976	8.1	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.D/UXX1778.D
Report Date: 09/27/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux10.i
Lab File ID: UXX1778.D
Analysis Type: WATER

Injection Date: 27-SEP-2004 10:31
Lab Sample ID: 50NG-IC
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
125 Hexane	50.0000	55.1891	10.4	20.0
127 Cyclohexane	50.0000	55.1674	10.3	50.0
128 Isopropylbenzene	50.0000	52.1214	4.2	50.0
130 Fluorobenzene	50.0000	50.0000	0.0	50.0
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0
133 Bromochloromethane	50.0000	50.7748	1.5	50.0
141 1,3,5-Trichlorobenzene	50.0000	46.1714	7.7	50.0
143 Methyl Acetate	100.0000	106.7623	6.8	50.0
144 Methylcyclohexane	50.0000	54.3128	8.6	50.0
22 Toluene-d8	50.0000	54.4407	8.9	50.0
32 Bromofluorobenzene	50.0000	53.4121	6.8	50.0
47 1,2-Dichloroethane-d4	50.0000	53.0746	6.1	50.0
131 Dibromofluoromethane	50.0000	54.3540	8.7	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1778.D
Report Date: 27-Sep-2004 15:51

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 27-SEP-2004 10:31
Lab File ID: UXX1778.D Init. Cal. Date(s): 11-AUG-2004 24-SEP-2004
Analysis Type: WATER Init. Cal. Times: 16:41 14:45
Lab Sample ID: 50NG-IC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
$	4 Dibromofluoromethane	0.18688	0.20315	0.010	8.7	50.0
$	5 1,2-Dichloroethane-d4	0.23173	0.24598	0.010	6.1	50.0
$	6 Toluene-d8	1.02990	1.12137	0.010	8.9	50.0
$	7 Bromofluorobenzene	0.38899	0.41553	0.010	6.8	50.0
	8 Dichlorodifluoromethane	50.00000	44.37174	0.010	11.3	50.0
	9 Chloromethane	0.21379	0.20387	0.100	-4.6	50.0
	10 Vinyl Chloride	0.18098	0.20620	0.010	13.9	20.0
	11 Bromomethane	0.04997	0.05565	0.010	11.4	50.0
	12 Chloroethane	0.12743	0.13162	0.010	3.3	50.0
	13 Trichlorofluoromethane	50.00000	56.51406	0.010	-13.0	50.0
	15 Acrolein	0.03883	0.03654	0.010	-5.9	50.0
	16 Acetone	100	100	0.010	-0.2	50.0
	17 1,1-Dichloroethene	0.17341	0.17748	0.010	2.3	20.0
	18 Freon-113	0.10404	0.12437	0.010	19.5	50.0
	19 Iodomethane	0.26465	0.26335	0.010	-0.5	50.0
	20 Carbon Disulfide	0.56033	0.59075	0.010	5.4	50.0
	21 Methylene Chloride	0.23201	0.22260	0.010	-4.1	50.0
	22 Acetonitrile	0.03039	0.03173	0.010	4.4	50.0
	23 Acrylonitrile	0.09911	0.10802	0.010	9.0	50.0
	24 Methyl tert-butyl ether	0.61768	0.67214	0.010	8.8	50.0
	25 trans-1,2-Dichloroethene	0.22112	0.22940	0.010	3.7	50.0
	26 Hexane	0.03786	0.04178	0.010	10.4	20.0
	27 Vinyl acetate	0.39419	0.43018	0.010	9.1	50.0
	28 1,1-Dichloroethane	0.35063	0.38309	0.100	9.3	50.0
	29 tert-Butyl Alcohol	0.02697	0.02916	0.010	8.1	50.0
	30 2-Butanone	0.16358	0.16127	0.010	-1.4	50.0
M	31 1,2-Dichloroethene (total)	0.22525	0.23657	0.010	5.0	50.0
	32 cis-1,2-dichloroethene	0.22938	0.24374	0.010	6.3	50.0
	33 2,2-Dichloropropane	0.21649	0.23499	0.010	8.5	50.0
	34 Bromochloromethane	0.11450	0.11627	0.010	1.5	50.0
	35 Chloroform	0.36484	0.38912	0.010	6.7	20.0
	36 Tetrahydrofuran	0.09188	0.08684	0.010	-5.5	50.0
	37 1,1,1-Trichloroethane	0.27992	0.30321	0.010	8.3	50.0
	38 1,1-Dichloropropene	0.26305	0.27570	0.010	4.8	50.0
	39 Carbon Tetrachloride	0.22783	0.26630	0.010	16.9	50.0
	40 1,2-Dichloroethane	0.28139	0.29790	0.010	5.9	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1778.D
Report Date: 27-Sep-2004 15:51

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 27-SEP-2004 10:31
Lab File ID: UXX1778.D Init. Cal. Date(s): 11-AUG-2004 24-SEP-2004
Analysis Type: WATER Init. Cal. Times: 16:41 14:45
Lab Sample ID: 50NG-IC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	0.90987	0.92608	0.010	1.8	50.0	
	42 Trichloroethene	0.24104	0.23330	0.010	-3.2	50.0	
	43 1,2-Dichloropropane	0.18677	0.20092	0.010	7.6	20.0	
	44 1,4-Dioxane	0.00217	0.00279	0.010	28.3	50.0	<-
	45 Dibromomethane	0.12882	0.13779	0.010	7.0	50.0	
	46 Bromodichloromethane	0.25191	0.27960	0.010	11.0	50.0	
	47 2-Chloroethyl vinyl ether	0.11305	0.12850	0.010	13.7	50.0	
	48 cis-1,3-Dichloropropene	0.28108	0.31834	0.010	13.3	50.0	
	49 4-Methyl-2-pentanone	0.24340	0.27169	0.010	11.6	50.0	
	50 Toluene	1.24552	1.29029	0.010	3.6	20.0	
	51 trans-1,3-Dichloropropene	0.37588	0.41177	0.010	9.5	50.0	
	52 Ethyl Methacrylate	0.35971	0.39578	0.010	10.0	50.0	
	53 1,1,2-Trichloroethane	0.26147	0.27331	0.010	4.5	50.0	
	54 1,3-Dichloropropane	0.44734	0.47638	0.010	6.5	50.0	
	55 Tetrachloroethene	0.23744	0.23968	0.010	0.9	50.0	
	56 2-Hexanone	0.26575	0.27852	0.010	4.8	50.0	
	57 Dibromochloromethane	0.26595	0.29459	0.010	10.8	50.0	
	58 1,2-Dibromoethane	0.26861	0.28268	0.010	5.2	50.0	
	59 Chlorobenzene	0.82515	0.83174	0.300	0.8	50.0	
	60 1,1,1,2-Tetrachloroethane	0.28644	0.31666	0.010	10.6	50.0	
	61 Ethylbenzene	0.43220	0.43229	0.010	0.0	20.0	
	62 m + p-Xylene	0.53840	0.54896	0.010	2.0	50.0	
M	63 Xylenes (total)	0.53913	0.54999	0.010	2.0	50.0	
	64 Xylene-o	0.54060	0.55204	0.010	2.1	50.0	
	65 Styrene	0.84927	0.89056	0.010	4.9	50.0	
	66 Bromoform	0.18175	0.21540	0.100	18.5	50.0	
	67 Isopropylbenzene	1.19207	1.24264	0.010	4.2	50.0	
	68 1,1,2,2-Tetrachloroethane	0.63672	0.68928	0.300	8.3	50.0	
	69 1,4-Dichloro-2-butene	0.16947	0.21199	0.010	25.1	50.0	
	70 1,2,3-Trichloropropane	0.27621	0.28761	0.010	4.1	50.0	
	71 Bromobenzene	0.65585	0.64010	0.010	-2.4	50.0	
	72 n-Propylbenzene	0.67870	0.65147	0.010	-4.0	50.0	
	73 2-Chlorotoluene	0.63734	0.60141	0.010	-5.6	50.0	
	74 1,3,5-Trimethylbenzene	1.98114	1.97760	0.010	-0.2	50.0	
	75 4-Chlorotoluene	0.66494	0.63640	0.010	-4.3	50.0	
	76 tert-Butylbenzene	1.65909	1.57631	0.010	-5.0	50.0	

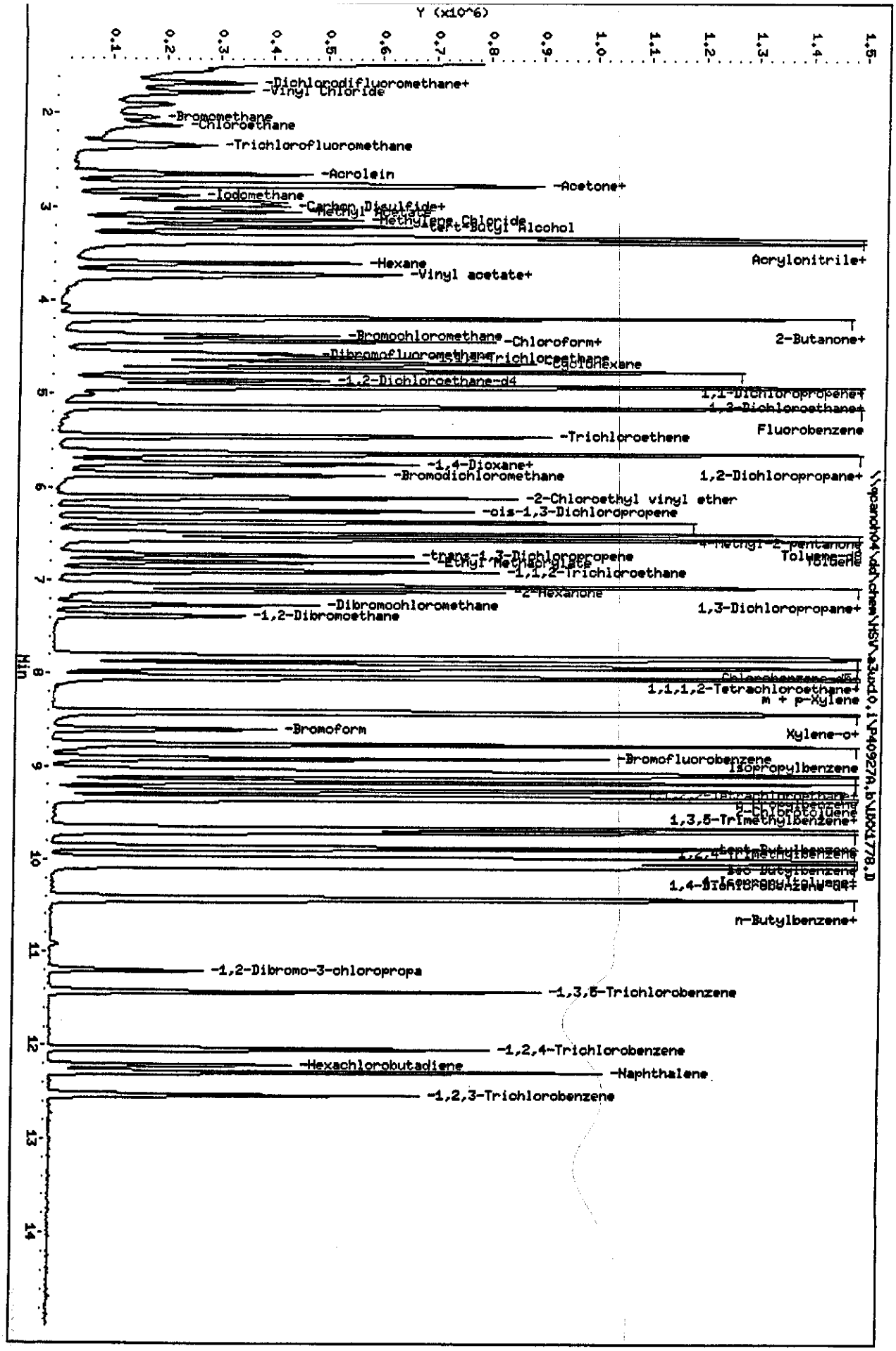
Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1778.D
Report Date: 27-Sep-2004 15:51

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 27-SEP-2004 10:31
Lab File ID: UXX1778.D Init. Cal. Date(s): 11-AUG-2004 24-SEP-2004
Analysis Type: WATER Init. Cal. Times: 16:41 14:45
Lab Sample ID: 50NG-IC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	2.04969	2.04788	0.010	-0.1	50.0
78 sec-Butylbenzene	2.22804	2.14571	0.010	-3.7	50.0
79 4-Isopropyltoluene	1.86640	1.85494	0.010	-0.6	50.0
80 1,3-Dichlorobenzene	1.22438	1.18506	0.010	-3.2	50.0
81 1,4-Dichlorobenzene	1.31882	1.25130	0.010	-5.1	50.0
82 n-Butylbenzene	1.50192	1.45813	0.010	-2.9	50.0
83 1,2-Dichlorobenzene	1.17984	1.15685	0.010	-1.9	50.0
84 1,2-Dibromo-3-chloropropane	0.14878	0.16031	0.010	7.7	50.0
85 1,2,4-Trichlorobenzene	0.56066	0.53669	0.010	-4.3	50.0
86 Hexachlorobutadiene	0.20161	0.17222	0.010	-14.6	50.0
87 Naphthalene	1.77626	1.75552	0.010	-1.2	50.0
88 1,2,3-Trichlorobenzene	0.49823	0.48115	0.010	-3.4	50.0
98 Cyclohexane	0.27694	0.30556	0.010	10.3	50.0
143 Methyl Acetate	0.19714	0.21047	0.010	6.8	50.0
144 Methylcyclohexane	0.26821	0.29135	0.010	8.6	50.0
141 1,3,5-Trichlorobenzene	0.64458	0.59522	0.010	-7.7	50.0


Data File: \\qcanoh04\dd\chem\HSV\a3ud0.i\P40927A.b\UXX1778.D
Date : 27-SEP-2004 10:31
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ud0.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
Acrylonitrile+
-Hexane
-Vinyl acetate+
2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane
-1,1,1-Trichloroethane
-Cyclohexane
-1,2-Dichloroethane-d4
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
Toluene
Ethyl Methacrylate
-1,1,2-Trichloroethane
2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ud0.i\P40927A.b\UXX1778.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1778.D
Report Date: 27-Sep-2004 15:51

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1778.D
Lab Smp Id: 50NG-IC
Inj Date : 27-SEP-2004 10:31
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-IC
Misc Info : P40927A,8260LLUX10,2-8260.SUB,1904,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m
Meth Date : 27-Sep-2004 15:51 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.137	5.137	(1.000)	1501745	50.0000	
* 2 Chlorobenzene-d5	117	7.811	7.811	(1.000)	1042144	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.048	10.048	(1.000)	573855	50.0000	
$ 4 Dibromofluoromethane	113	4.569	4.569	(0.889)	305077	50.0000	54.354
$ 5 1,2-Dichloroethane-d4	65	4.853	4.853	(0.945)	369396	50.0000	53.075
$ 6 Toluene-d8	98	6.498	6.498	(0.832)	1168631	50.0000	54.441
$ 7 Bromofluorobenzene	95	8.912	8.912	(1.141)	433047	50.0000	53.412
8 Dichlorodifluoromethane	85	1.528	1.528	(0.297)	142023	50.0000	44.372
9 Chloromethane	50	1.658	1.658	(0.323)	306159	50.0000	47.681
10 Vinyl Chloride	62	1.753	1.753	(0.341)	309665	50.0000	56.970
11 Bromomethane	94	2.037	2.037	(0.397)	83571	50.0000	55.682
12 Chloroethane	64	2.131	2.131	(0.415)	197659	50.0000	51.646
13 Trichlorofluoromethane	101	2.333	2.333	(0.454)	343693	50.0000	56.514
15 Acrolein	56	2.640	2.640	(0.514)	548810	500.000	470.60
16 Acetone	43	2.770	2.770	(0.539)	386790	100.000	100.15
17 1,1-Dichloroethene	96	2.747	2.747	(0.535)	266524	50.0000	51.173
18 Freon-113	151	2.770	2.770	(0.539)	186765	50.0000	59.765

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1778.D
Report Date: 27-Sep-2004 15:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.877	2.877	(0.560)	395489	50.0000	49.755
	20 Carbon Disulfide	76	2.948	2.948	(0.574)	887150	50.0000	52.714
	21 Methylene Chloride	84	3.137	3.137	(0.611)	334294	50.0000	47.973
	22 Acetonitrile	41	2.983	2.983	(0.581)	476523	500.000	522.06
	23 Acrylonitrile	53	3.315	3.315	(0.645)	1622240	500.000	544.99
	24 Methyl tert-butyl ether	73	3.362	3.362	(0.655)	1009383	50.0000	54.408
	25 trans-1,2-Dichloroethene	96	3.374	3.374	(0.657)	344502	50.0000	51.873
	26 Hexane	86	3.599	3.599	(0.701)	62749	50.0000	55.189
	27 Vinyl acetate	43	3.729	3.729	(0.726)	646024	50.0000	54.566
	28 1,1-Dichloroethane	63	3.705	3.705	(0.721)	575301	50.0000	54.628
	29 tert-Butyl Alcohol	59	3.208	3.208	(0.625)	875931	1000.00	1081.3(A)
	30 2-Butanone	43	4.179	4.179	(0.813)	484375	100.000	98.589
M	31 1,2-Dichloroethene (total)	96				710543	100.000	105.00
	32 cis-1,2-dichloroethene	96	4.179	4.179	(0.813)	366041	50.0000	53.130
	33 2,2-Dichloropropane	77	4.190	4.190	(0.816)	352900	50.0000	54.274
	34 Bromochloromethane	128	4.380	4.380	(0.853)	174613	50.0000	50.775
	35 Chloroform	83	4.439	4.439	(0.864)	584353	50.0000	53.327
	36 Tetrahydrofuran	42	4.427	4.427	(0.862)	130409	50.0000	47.257
	37 1,1,1-Trichloroethane	97	4.605	4.605	(0.896)	455347	50.0000	54.160
	38 1,1-Dichloropropene	75	4.747	4.747	(0.924)	414024	50.0000	52.404
	39 Carbon Tetrachloride	117	4.758	4.758	(0.926)	399918	50.0000	58.444
	40 1,2-Dichloroethane	62	4.912	4.912	(0.956)	447364	50.0000	52.933
	41 Benzene	78	4.912	4.912	(0.956)	1390734	50.0000	50.891
	42 Trichloroethene	130	5.445	5.445	(1.060)	350362	50.0000	48.394
	43 1,2-Dichloropropane	63	5.634	5.634	(1.097)	301727	50.0000	53.787
	44 1,4-Dioxane	88	5.740	5.740	(1.117)	209432	2500.00	3206.4(A)
	45 Dibromomethane	93	5.729	5.729	(1.115)	206931	50.0000	53.484
	46 Bromodichloromethane	83	5.859	5.859	(1.140)	419891	50.0000	55.496
	47 2-Chloroethyl vinyl ether	63	6.107	6.107	(1.189)	385963	100.000	113.67
	48 cis-1,3-Dichloropropene	75	6.249	6.249	(1.217)	478062	50.0000	56.627
	49 4-Methyl-2-pentanone	43	6.368	6.368	(1.240)	816008	100.000	111.62
	50 Toluene	91	6.557	6.557	(0.839)	1344665	50.0000	51.797
	51 trans-1,3-Dichloropropene	75	6.734	6.734	(0.862)	429122	50.0000	54.774
	52 Ethyl Methacrylate	69	6.805	6.805	(0.871)	412463	50.0000	55.015
	53 1,1,2-Trichloroethane	97	6.900	6.900	(0.883)	284826	50.0000	52.263
	54 1,3-Dichloropropane	76	7.054	7.054	(0.903)	496455	50.0000	53.245
	55 Tetrachloroethene	164	7.054	7.054	(0.903)	249783	50.0000	50.471
	56 2-Hexanone	43	7.113	7.113	(0.911)	580523	100.000	104.81
	57 Dibromochloromethane	129	7.267	7.267	(0.930)	307001	50.0000	55.385
	58 1,2-Dibromoethane	107	7.373	7.373	(0.944)	294596	50.0000	52.620
	59 Chlorobenzene	112	7.835	7.835	(1.003)	866792	50.0000	50.399
	60 1,1,1,2-Tetrachloroethane	131	7.906	7.906	(1.012)	330008	50.0000	55.276
	61 Ethylbenzene	106	7.930	7.930	(1.015)	450511	50.0000	50.011
	62 m + p-Xylene	106	8.036	8.036	(1.029)	1144194	100.000	101.96
M	63 Xylenes (total)	106				1719504	150.000	153.02
	64 Xylene-o	106	8.415	8.415	(1.077)	575310	50.0000	51.059
	65 Styrene	104	8.427	8.427	(1.079)	928093	50.0000	52.431

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1778.D
Report Date: 27-Sep-2004 15:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.604	8.604	(1.101)	224476	50.0000	59.256
67 Isopropylbenzene	105	8.770	8.770	(1.123)	1295012	50.0000	52.121
68 1,1,2,2-Tetrachloroethane	83	9.030	9.030	(0.899)	395545	50.0000	54.127
69 1,4-Dichloro-2-butene	53	9.089	9.089	(0.905)	121654	50.0000	62.547
70 1,2,3-Trichloropropane	110	9.089	9.089	(0.905)	165046	50.0000	52.064
71 Bromobenzene	156	9.065	9.065	(0.902)	367322	50.0000	48.799
72 n-Propylbenzene	120	9.160	9.160	(0.912)	373849	50.0000	47.994
73 2-Chlorotoluene	126	9.255	9.255	(0.921)	345124	50.0000	47.181
74 1,3,5-Trimethylbenzene	105	9.338	9.338	(0.929)	1134855	50.0000	49.911
75 4-Chlorotoluene	126	9.361	9.361	(0.932)	365199	50.0000	47.854
76 tert-Butylbenzene	119	9.657	9.657	(0.961)	904574	50.0000	47.505
77 1,2,4-Trimethylbenzene	105	9.704	9.704	(0.966)	1175187	50.0000	49.956
78 sec-Butylbenzene	105	9.870	9.870	(0.982)	1231329	50.0000	48.153
79 4-Isopropyltoluene	119	10.012	10.012	(0.996)	1064466	50.0000	49.693
80 1,3-Dichlorobenzene	146	9.988	9.988	(0.994)	680050	50.0000	48.394
81 1,4-Dichlorobenzene	146	10.071	10.071	(1.002)	718063	50.0000	47.440
82 n-Butylbenzene	91	10.414	10.414	(1.037)	836755	50.0000	48.542
83 1,2-Dichlorobenzene	146	10.438	10.438	(1.039)	663866	50.0000	49.026
84 1,2-Dibromo-3-chloropropane	157	11.195	11.195	(1.114)	91997	50.0000	53.875
85 1,2,4-Trichlorobenzene	180	12.036	12.036	(1.198)	307982	50.0000	47.862
86 Hexachlorobutadiene	225	12.213	12.213	(1.216)	98828	50.0000	42.710
87 Naphthalene	128	12.284	12.284	(1.223)	1007416	50.0000	49.416
88 1,2,3-Trichlorobenzene	180	12.532	12.532	(1.247)	276110	50.0000	48.286
98 Cyclohexane	56	4.664	4.664	(0.908)	458869	50.0000	55.167
143 Methyl Acetate	43	3.043	3.043	(0.592)	632148	100.000	106.76
144 Methylcyclohexane	83	5.634	5.634	(1.097)	437532	50.0000	54.313
141 1,3,5-Trichlorobenzene	180	11.420	11.420	(1.137)	341570	50.0000	46.171

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.D\UXX1779.D
Report Date: 09/27/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux10.i
Lab File ID: UXX1779.D
Analysis Type: WATER

Injection Date: 27-SEP-2004 10:54
Lab Sample ID: 50NG-A9CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
53 3-Chloropropene	50.0000	56.4199	12.8	50.0
54 2-Chloro-1,3-butadiene	50.0000	47.1289	5.7	50.0
55 Propionitrile	100.0000	100.4522	0.5	50.0
56 Methacrylonitrile	50.0000	38.1505	23.7	50.0
57 Isobutanol	1000.0000	990.2495	1.0	50.0
58 Methyl Methacrylate	50.0000	34.2077	31.6	50.0
73 n-Butanol	1000.0000	969.3964	3.1	50.0
74 Ethyl Acetate	100.0000	76.6897	23.3	50.0
75 Cyclohexanone	500.0000	458.0394	8.4	50.0
76 Ethyl Ether	50.0000	37.5396	24.9	50.0
85 Dichlorofluoromethane	50.0000	34.6410	30.7	50.0
86 2-Nitropropane	100.0000	102.2908	2.3	50.0
126 Isopropyl Ether	250.0000	258.5526	3.4	50.0
130 Fluorobenzene	50.0000	50.0000	0.0	50.0
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0
146 2-Methylnaphthalene	100.0000	75.2166	24.8	50.0

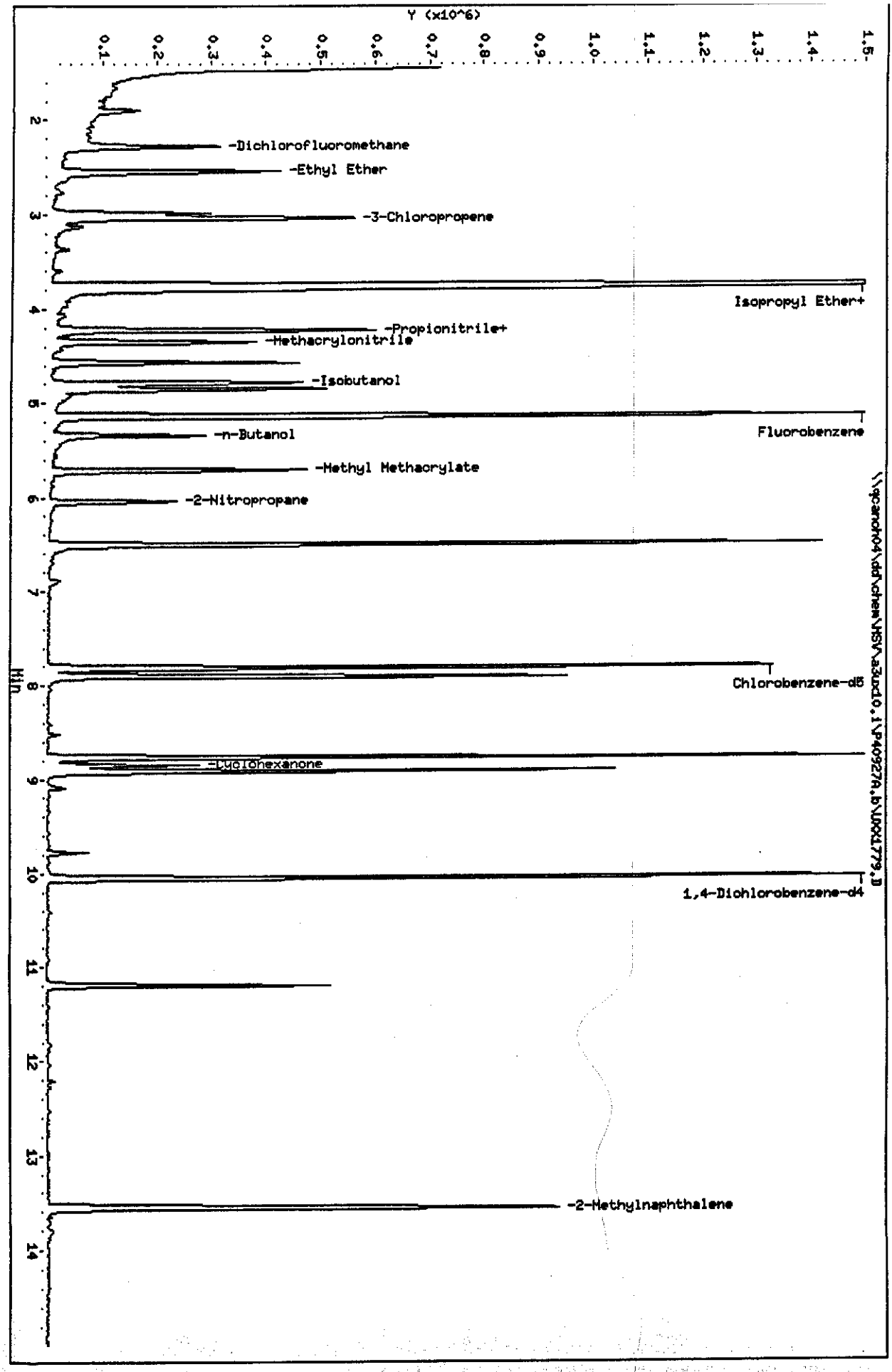
Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1779.D
Report Date: 27-Sep-2004 15:51

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 27-SEP-2004 10:54
Lab File ID: UXX1779.D Init. Cal. Date(s): 11-AUG-2004 24-SEP-2004
Analysis Type: WATER Init. Cal. Times: 16:41 14:45
Lab Sample ID: 50NG-A9CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
14 Dichlorofluoromethane	0.37922	0.26273	0.010	-30.7	50.0
89 Ethyl Ether	0.25798	0.19369	0.010	-24.9	50.0
91 3-Chloropropene	0.09980	0.11261	0.010	12.8	50.0
92 Isopropyl Ether	0.19046	0.19697	0.010	3.4	50.0
93 2-Chloro-1,3-butadiene	0.30548	0.28794	0.010	-5.7	50.0
94 Propionitrile	0.03701	0.03718	0.010	0.5	50.0
95 Ethyl Acetate	0.30464	0.23362	0.010	-23.3	50.0
96 Methacrylonitrile	0.18966	0.14472	0.010	-23.7	50.0
97 Isobutanol	0.01559	0.01543	0.010	-1.0	50.0
99 n-Butanol	0.01134	0.01100	0.010	-3.1	50.0
100 Methyl Methacrylate	0.23962	0.16393	0.010	-31.6	50.0
101 2-Nitropropane	100	102	0.010	-2.3	50.0
103 Cyclohexanone	0.03041	0.02786	0.010	-8.4	50.0
146 2-Methylnaphthalene	0.90386	0.67986	0.010	-24.8	50.0


Data File: \\qcanoh04\ddf\chem\HSV\a3ux10.i\P40927A.b\UXX1779.D
Date : 27-SEP-2004 10:54
Client ID:
Sample Info: EONC-A9CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
-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
\\qcanoh04\ddf\chem\HSV\a3ux10.i\P40927A.b\UXX1779.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1779.D
Report Date: 27-Sep-2004 15:51

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1779.D
Lab Smp Id: 50NG-A9CC
Inj Date : 27-SEP-2004 10:54
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-A9CC
Misc Info : P40927A,8260LLUX10,7-IX+.SUB,1904,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m
Meth Date : 27-Sep-2004 15:51 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 7-IX+.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.137	5.137	(1.000)	1507126	50.0000	
* 2 Chlorobenzene-d5	117	7.811	7.811	(1.000)	974674	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.048	10.048	(1.000)	502905	50.0000	
14 Dichlorofluoromethane	67	2.285	2.285	(0.445)	395966	50.0000	34.641
89 Ethyl Ether	59	2.546	2.546	(0.496)	291917	50.0000	37.540
91 3-Chloropropene	76	3.043	3.043	(0.592)	169722	50.0000	56.420
92 Isopropyl Ether	87	3.753	3.753	(0.731)	1484327	250.000	258.55(A)
93 2-Chloro-1,3-butadiene	53	3.788	3.788	(0.737)	433964	50.0000	47.129
94 Propionitrile	54	4.214	4.214	(0.820)	112055	100.000	100.45
95 Ethyl Acetate	43	4.226	4.226	(0.823)	704201	100.000	76.690
96 Methacrylonitrile	41	4.344	4.344	(0.846)	218104	50.0000	38.150
97 Isobutanol	41	4.782	4.782	(0.612)	300856	1000.00	990.25(A)
99 n-Butanol	56	5.338	5.338	(0.683)	214336	1000.00	969.40(A)
100 Methyl Methacrylate	41	5.705	5.705	(1.111)	247070	50.0000	34.208
101 2-Nitropropane	41	6.036	6.036	(1.175)	164631	100.000	102.29
103 Cyclohexanone	55	8.853	8.853	(0.881)	140097	500.000	458.04(A)
146 2-Methylnaphthalene	142	13.562	13.562	(1.350)	683805	100.000	75.217

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1779.D
Report Date: 27-Sep-2004 15:51

QC Flag Legend

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

SEVERN TRENT STL

RAW QC DATA

Data File: \\qoanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\BFB1360.D

Date : 12-AUG-2004 06:10

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

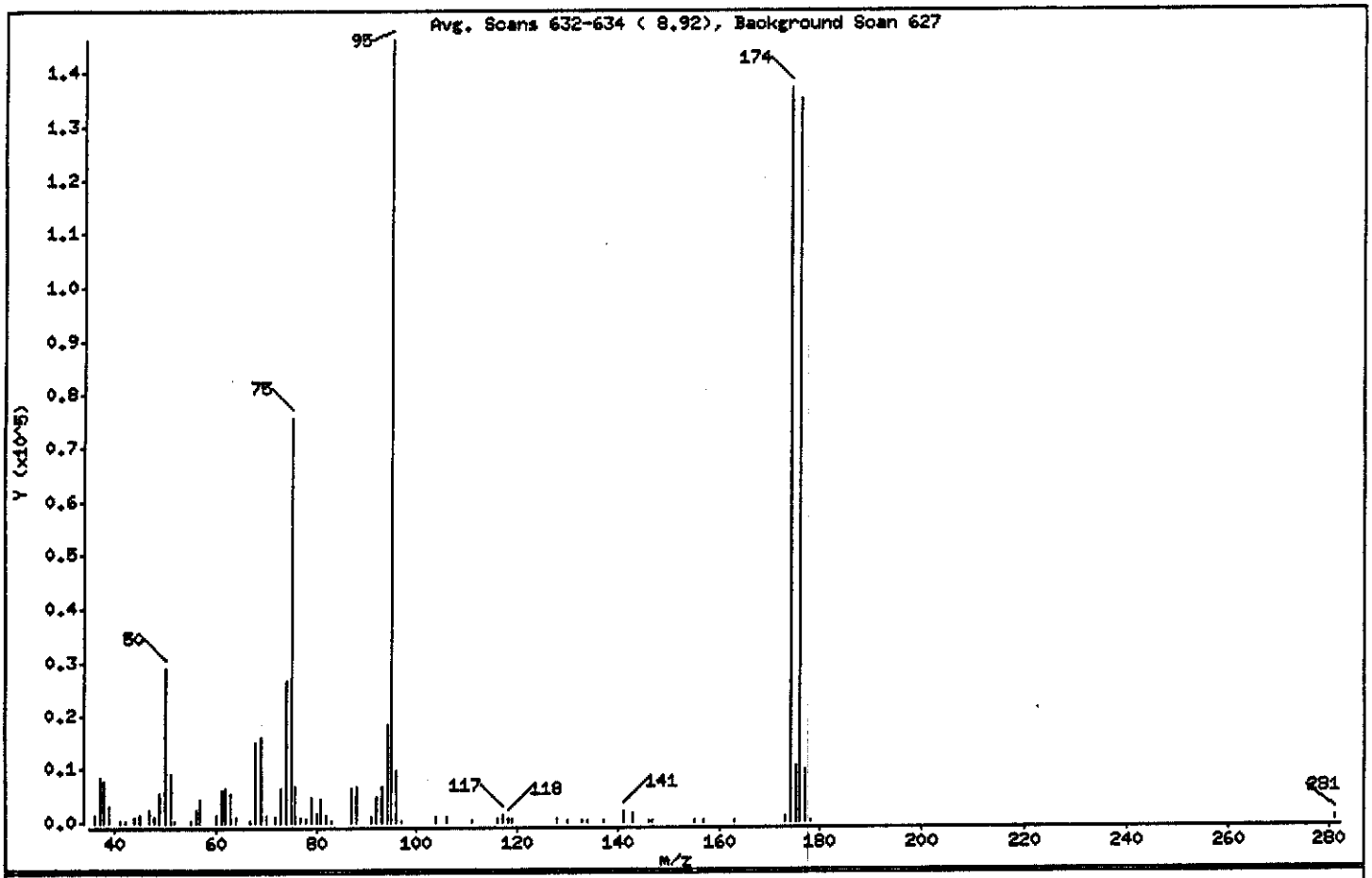
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.76
75	30.00 - 60.00% of mass 95	51.72
96	5.00 - 9.00% of mass 95	6.75
173	Less than 2.00% of mass 174	0.59 (0.63)
174	50.00 - 100.00% of mass 95	93.75
175	5.00 - 9.00% of mass 174	7.08 (7.55)
176	95.00 - 101.00% of mass 174	92.48 (98.65)
177	5.00 - 9.00% of mass 176	6.59 (7.12)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\BFB1360.D

Date : 12-AUG-2004 06:10

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB1360.D

Spectrum: Avg. Scans 632-634 (8.92), Background Scan 627

Location of Maximum: 95.00

Number of points: 73

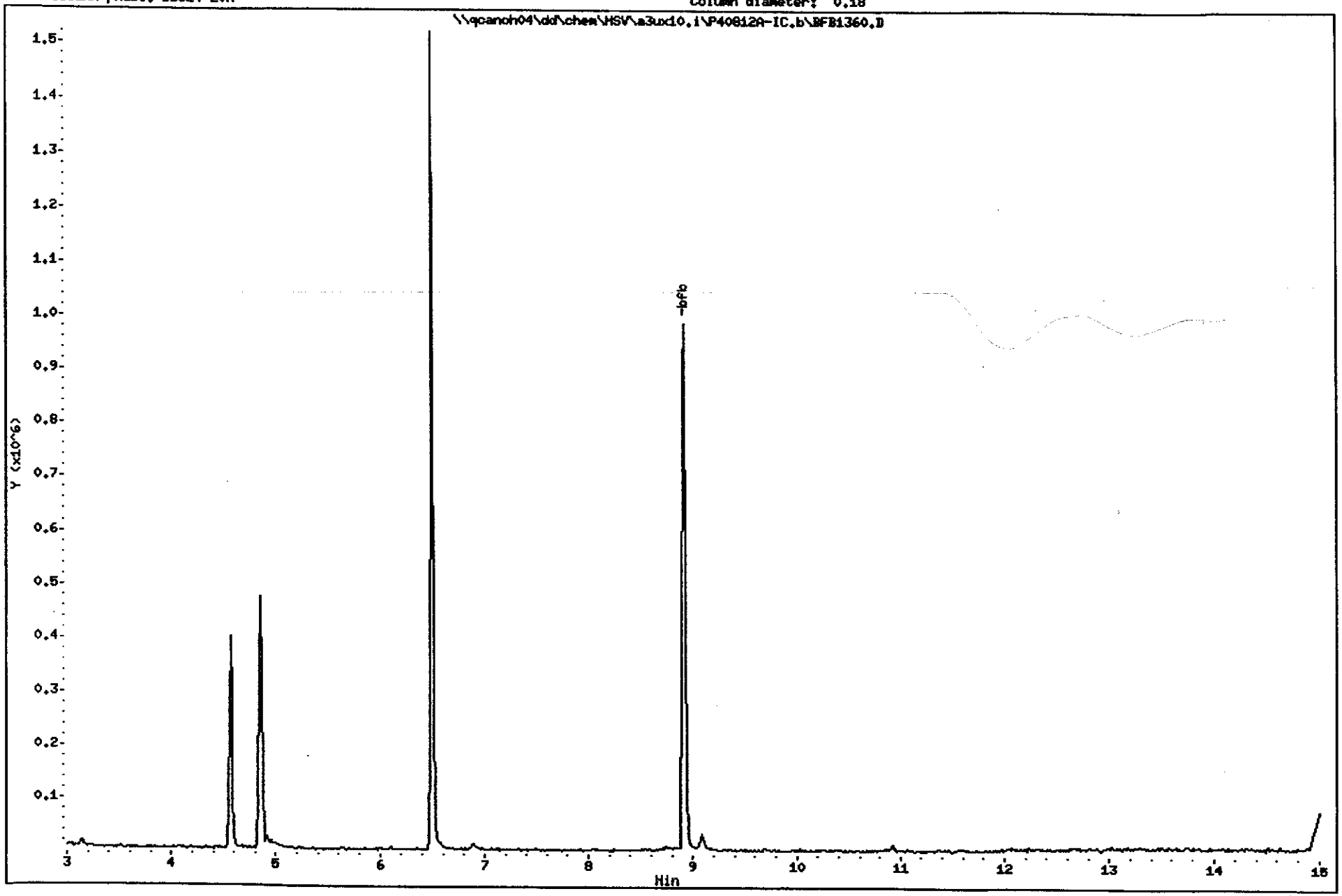
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1306	62.00	6346	87.00	6413	134.00	190
37.00	8381	63.00	5411	88.00	6667	137.00	421
38.00	7881	64.00	861	91.00	857	141.00	1860
39.00	3082	67.00	402	92.00	4747	143.00	1759
41.00	173	68.00	14684	93.00	6679	146.00	173
42.00	184	69.00	15926	94.00	18312	147.00	263
44.00	965	70.00	1436	95.00	146112	155.00	381
45.00	1415	72.00	1074	96.00	9870	157.00	270
47.00	2357	73.00	6406	97.00	182	163.00	171
48.00	906	74.00	26600	104.00	1076	173.00	861
49.00	5289	75.00	75600	106.00	869	174.00	137024
50.00	28872	76.00	6815	111.00	280	175.00	10344
51.00	8953	77.00	1053	116.00	710	176.00	135168
52.00	245	78.00	560	117.00	1195	177.00	9631
55.00	502	79.00	4590	118.00	779	178.00	221
56.00	2388	80.00	1541	119.00	680	281.00	794
57.00	4308	81.00	4461	128.00	599		
60.00	1393	82.00	1292	130.00	398		
61.00	6166	83.00	175	133.00	371		

Data File: \\qcanoh04\dd\chem\HSV\a3uxi0.i\P40812A-IC.b\BFB1360.D
Date : 12-AUG-2004 06:10
Client ID: 50NG BFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20M

Page 1

Instrument: a3uxi0.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\BFB1405.D

Date : 24-SEP-2004 12:25

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

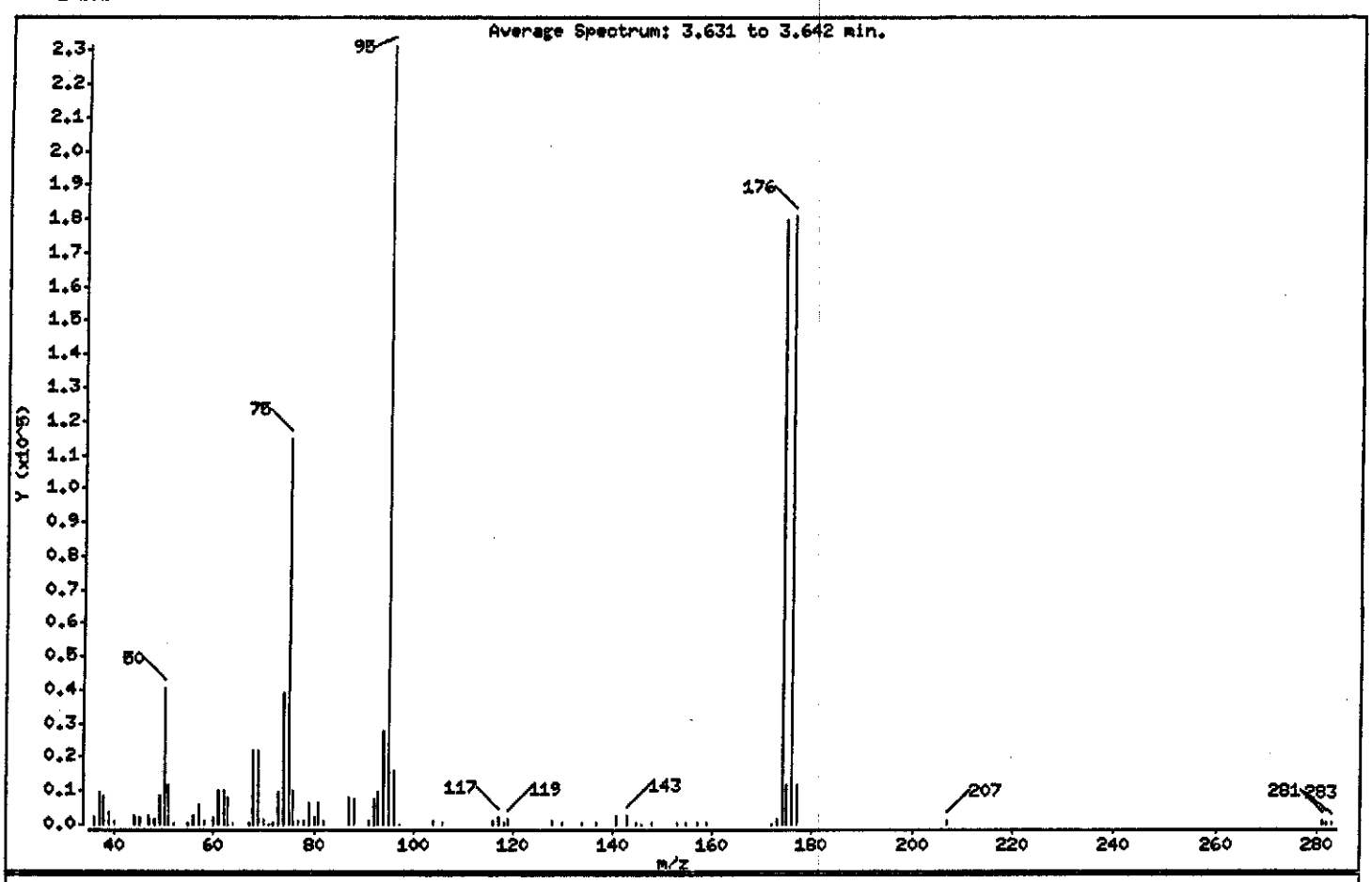
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.52
75	30.00 - 60.00% of mass 95	49.58
96	5.00 - 9.00% of mass 95	6.91
173	Less than 2.00% of mass 174	0.61 (0.78)
174	50.00 - 100.00% of mass 95	77.63
175	5.00 - 9.00% of mass 174	5.17 (6.66)
176	95.00 - 101.00% of mass 174	78.07 (100.57)
177	5.00 - 9.00% of mass 176	5.13 (6.58)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40924A-IC.b\BFB1405.D

Date : 24-SEP-2004 12:25

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB1405.D
Spectrum: Average Spectrum: 3.631 to 3.642 min.
Location of Maximum: 95.00
Number of points: 76

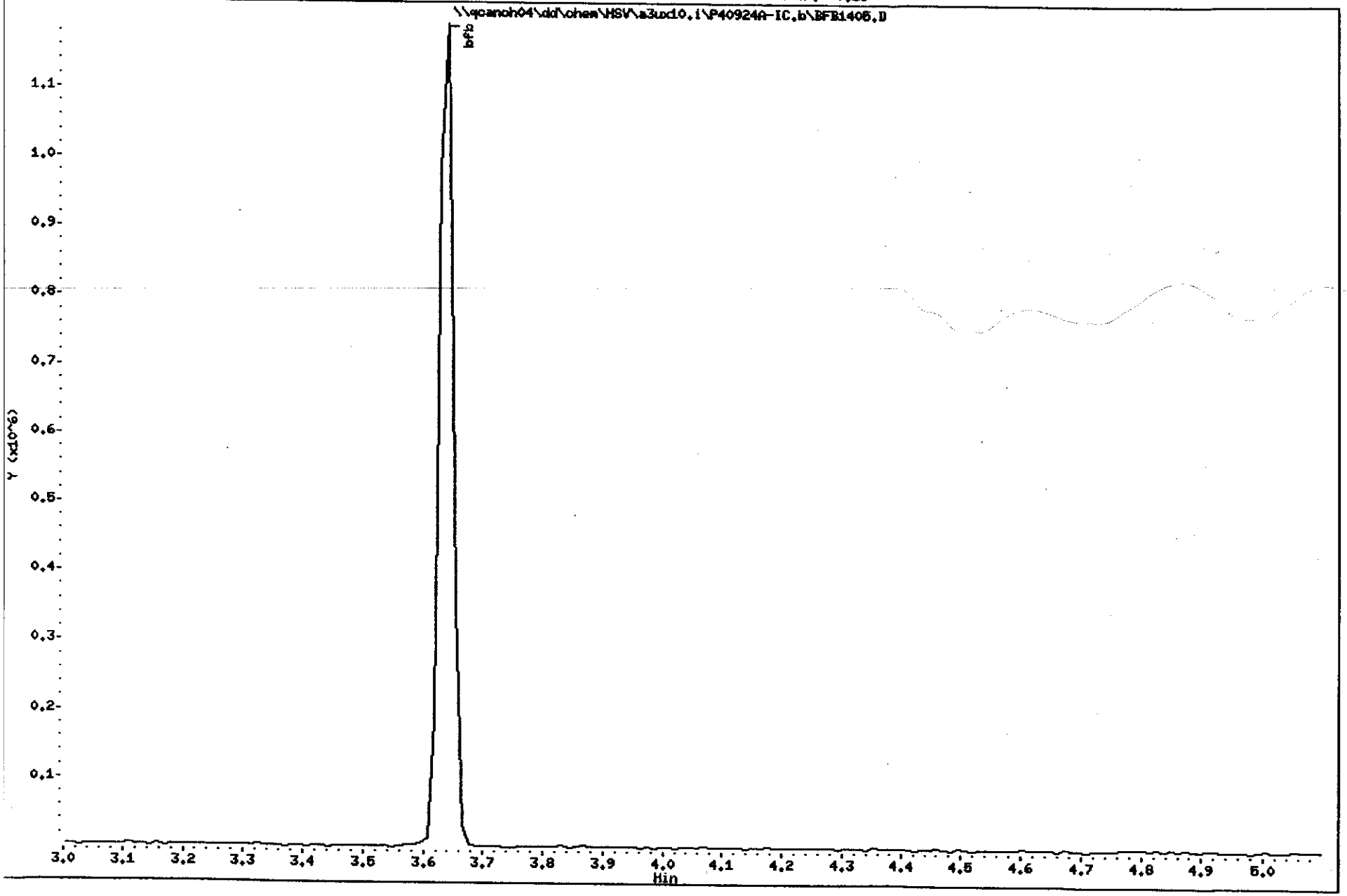
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2133	63.00	7793	91.00	1020	146.00	253
37.00	9558	64.00	730	92.00	7615	148.00	426
38.00	8263	67.00	658	93.00	9529	153.00	294
39.00	3503	68.00	21888	94.00	27600	155.00	530
40.00	1245	69.00	22056	95.00	231232	157.00	280
44.00	2874	70.00	1658	96.00	15970	159.00	270
45.00	1982	71.00	263	97.00	255	172.00	260
47.00	2521	72.00	743	104.00	1233	173.00	1403
48.00	1582	73.00	9628	106.00	794	174.00	179520
49.00	8382	74.00	38904	116.00	896	175.00	11953
50.00	40504	75.00	114656	117.00	2018	176.00	180544
51.00	11824	76.00	10163	118.00	555	177.00	11874
52.00	628	77.00	1154	119.00	1510	207.00	883
55.00	305	78.00	1167	128.00	1035	281.00	1101
56.00	2742	79.00	6577	130.00	563	282.00	520
57.00	5822	80.00	1970	134.00	268	283.00	366
58.00	862	81.00	6184	137.00	302		
60.00	2264	82.00	1053	141.00	2491		
61.00	9891	87.00	8080	143.00	2524		
62.00	10347	88.00	7296	145.00	745		

Data File: \\qcanoh04\dd\chem\HSV\a3ucl0.i\P40924A-IC.b\BFB1405.D
Date : 24-SEP-2004 12:25
Client ID: 50NG BFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20M

Page 1

Instrument: a3ucl0.i

Operator: 1904
Column diameter: 0.18



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Date : 27-SEP-2004 10:12

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

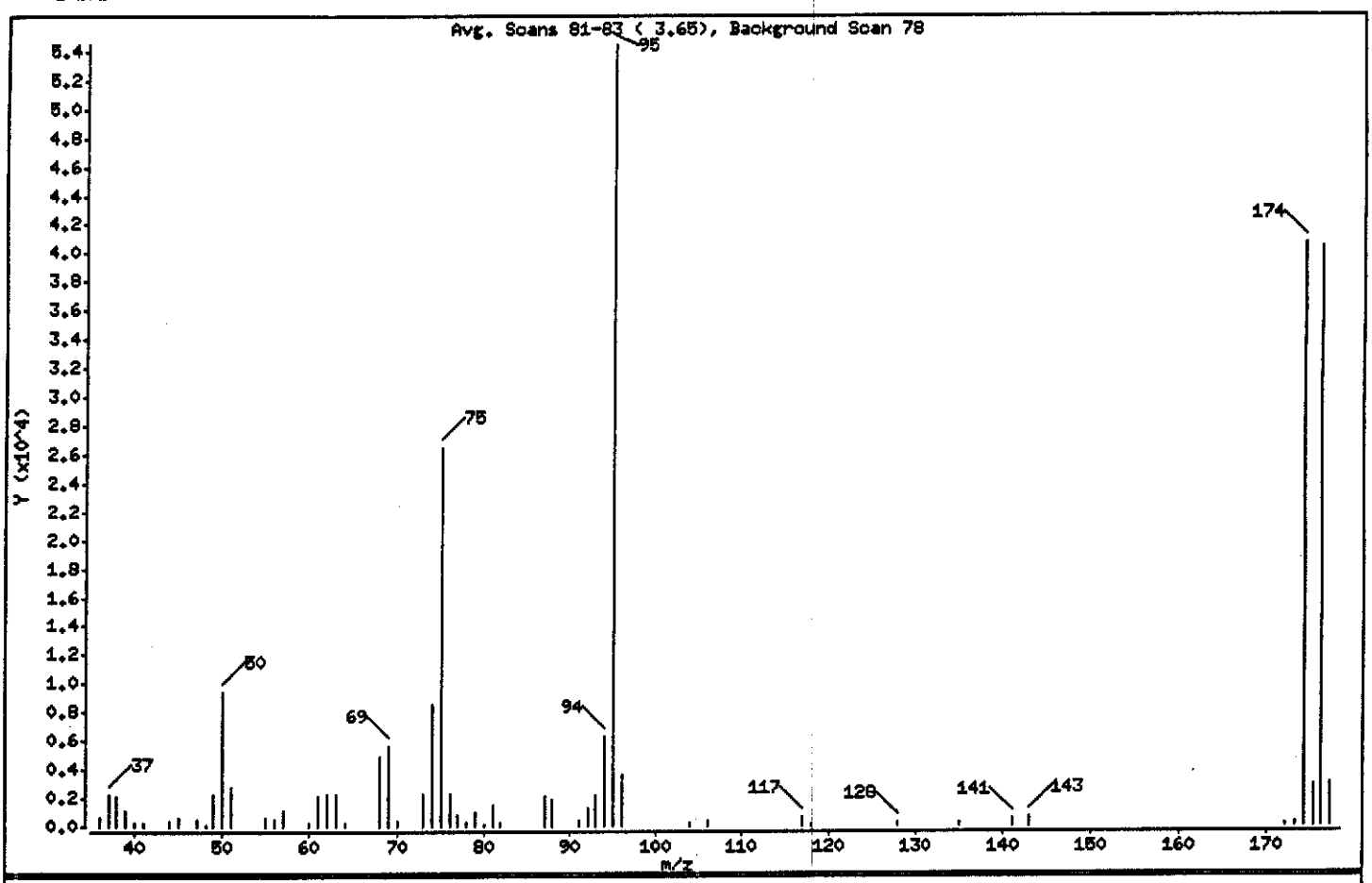
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.39
75	30.00 - 60.00% of mass 95	48.68
96	5.00 - 9.00% of mass 95	6.68
173	Less than 2.00% of mass 174	0.57 (0.76)
174	50.00 - 100.00% of mass 95	74.59
175	5.00 - 9.00% of mass 174	5.29 (7.09)
176	95.00 - 101.00% of mass 174	74.23 (99.52)
177	5.00 - 9.00% of mass 176	5.47 (7.36)

Data File: \\qoanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\BFB1406.D

Date : 27-SEP-2004 10:12

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB1406.D

Spectrum: Avg. Scans 81-83 (3.65), Background Scan 78

Location of Maximum: 95.00

Number of points: 56

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	611	57.00	1132	79.00	1011	118.00	178
37.00	2223	60.00	252	80.00	170	128.00	225
38.00	2103	61.00	2162	81.00	1538	135.00	213
39.00	1189	62.00	2277	82.00	240	141.00	465
40.00	220	63.00	2254	87.00	2098	143.00	623
41.00	199	64.00	245	88.00	1923	172.00	173
44.00	405	68.00	4884	91.00	342	173.00	309
45.00	665	69.00	5671	92.00	1258	174.00	40640
47.00	487	70.00	421	93.00	2074	175.00	2882
48.00	171	73.00	2211	94.00	6313	176.00	40448
49.00	2273	74.00	8492	95.00	54488	177.00	2979
50.00	9475	75.00	26520	96.00	3638		
51.00	2823	76.00	2305	104.00	215		
55.00	607	77.00	743	106.00	365		
56.00	459	78.00	242	117.00	589		

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P40927A.b\BFB1406.D

Date : 27-SEP-2004 10:12

Client ID: 50NG BFB

Sample Info:

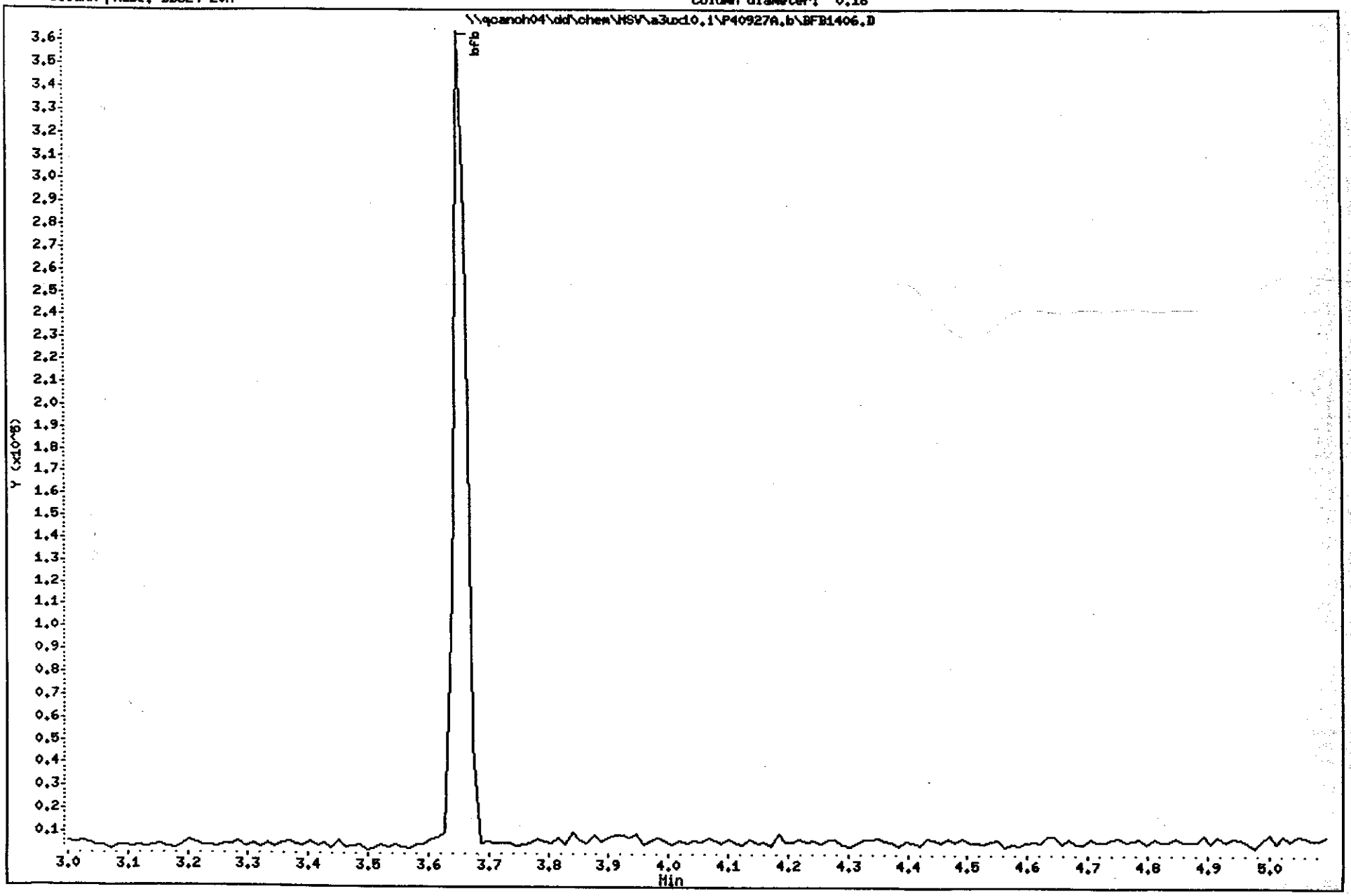
Volume Injected (uL): 1.0

Column phase: DB624 20M

Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4I240108 **Work Order #...:** GQ8611AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I280000-202 GQ8611AD-LCSD
Prep Date.....: 09/27/04 **Analysis Date..:** 09/27/04
Prep Batch #...: 4272202
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	59	(22 - 200)			SW846 8260B
	57	(22 - 200)	2.8	(0-95)	SW846 8260B
Benzene	**97**	**(80 - 116)**			**SW846 8260B**
	101	**(80 - 116)**	**4.5**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	108	(87 - 130)			SW846 8260B
	108	(87 - 130)	0.070	(0-30)	SW846 8260B
Bromoform	105	(76 - 150)			SW846 8260B
	109	(76 - 150)	3.4	(0-30)	SW846 8260B
Bromomethane	95	(64 - 129)			SW846 8260B
	170 a,p	(64 - 129)	56	(0-30)	SW846 8260B
2-Butanone	72	(28 - 237)			SW846 8260B
	70	(28 - 237)	2.7	(0-65)	SW846 8260B
Carbon disulfide	98	(73 - 139)			SW846 8260B
	121	(73 - 139)	21	(0-30)	SW846 8260B
Carbon tetrachloride	114	(75 - 149)			SW846 8260B
	123	(75 - 149)	7.3	(0-30)	SW846 8260B
Chlorobenzene	**98**	**(76 - 117)**			**SW846 8260B**
	95	**(76 - 117)**	**2.6**	**(0-20)**	**SW846 8260B**
Dichlorodifluoromethane	58 a	(70 - 130)			SW846 8260B
	88 p	(70 - 130)	41	(0-30)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	132 a	(70 - 130)			SW846 8260B
	184 a,p	(70 - 130)	33	(0-30)	SW846 8260B
Methyl acetate	103	(70 - 130)			SW846 8260B
	98	(70 - 130)	5.4	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	105	(70 - 130)			SW846 8260B
	117	(70 - 130)	11	(0-30)	SW846 8260B
Cyclohexane	108	(70 - 130)			SW846 8260B
	125	(70 - 130)	15	(0-30)	SW846 8260B
Methylcyclohexane	108	(70 - 130)			SW846 8260B
	118	(70 - 130)	8.8	(0-30)	SW846 8260B
Dibromochloromethane	102	(81 - 138)			SW846 8260B
	102	(81 - 138)	0.55	(0-30)	SW846 8260B
Isopropylbenzene	108	(70 - 130)			SW846 8260B
	121	(70 - 130)	11	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4I240108 **Work Order #...:** GQ8611AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I280000-202 GQ8611AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,3-Dichlorobenzene	95	(70 - 130)			SW846 8260B
	98	(70 - 130)	3.0	(0-30)	SW846 8260B
Chloroethane	83	(66 - 126)			SW846 8260B
	127 a,p	(66 - 126)	41	(0-30)	SW846 8260B
1,4-Dichlorobenzene	98	(70 - 130)			SW846 8260B
	100	(70 - 130)	1.4	(0-30)	SW846 8260B
1,2-Dichlorobenzene	95	(70 - 130)			SW846 8260B
	106	(70 - 130)	10	(0-30)	SW846 8260B
1,2,4-Trichloro-benzene	94	(70 - 130)			SW846 8260B
	111	(70 - 130)	17	(0-30)	SW846 8260B
Chloroform	99	(84 - 128)			SW846 8260B
	104	(84 - 128)	5.0	(0-30)	SW846 8260B
Chloromethane	80	(48 - 123)			SW846 8260B
	124 a,p	(48 - 123)	44	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro-propane	104	(70 - 130)			SW846 8260B
	111	(70 - 130)	6.4	(0-30)	SW846 8260B
1,2-Dibromoethane	100	(70 - 130)			SW846 8260B
	97	(70 - 130)	3.1	(0-30)	SW846 8260B
1,1-Dichloroethane	104	(86 - 123)			SW846 8260B
	106	(86 - 123)	2.3	(0-30)	SW846 8260B
1,2-Dichloroethane	103	(79 - 136)			SW846 8260B
	104	(79 - 136)	0.22	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	99	(85 - 113)			SW846 8260B
	103	(85 - 113)	4.2	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	100	(79 - 120)			SW846 8260B
	108	(79 - 120)	8.3	(0-30)	SW846 8260B
1,1-Dichloroethene	**109**	**(63 - 130)**			**SW846 8260B**
	125	**(63 - 130)**	**14**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	99	(82 - 116)			SW846 8260B
	106	(82 - 116)	6.3	(0-30)	SW846 8260B
1,2-Dichloropropane	106	(82 - 115)			SW846 8260B
	103	(82 - 115)	2.7	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	106	(84 - 130)			SW846 8260B
	102	(84 - 130)	3.9	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	103	(84 - 130)			SW846 8260B
	94	(84 - 130)	9.0	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4I240108 **Work Order #...:** GQ8611AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I280000-202 GQ8611AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethylbenzene	98	(86 - 116)			SW846 8260B
	98	(86 - 116)	0.31	(0-30)	SW846 8260B
2-Hexanone	80	(35 - 200)			SW846 8260B
	71	(35 - 200)	11	(0-52)	SW846 8260B
Methylene chloride	95	(78 - 118)			SW846 8260B
	105	(78 - 118)	10	(0-30)	SW846 8260B
4-Methyl-2-pentanone	92	(78 - 141)			SW846 8260B
	93	(78 - 141)	1.9	(0-32)	SW846 8260B
Styrene	101	(85 - 117)			SW846 8260B
	98	(85 - 117)	2.7	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	104	(85 - 118)			SW846 8260B
	100	(85 - 118)	3.6	(0-30)	SW846 8260B
Tetrachloroethene	97	(88 - 113)			SW846 8260B
	98	(88 - 113)	0.43	(0-30)	SW846 8260B
Toluene	**104**	**(74 - 119)**			**SW846 8260B**
	99	**(74 - 119)**	**5.1**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	106	(78 - 140)			SW846 8260B
	116	(78 - 140)	8.4	(0-30)	SW846 8260B
1,1,2-Trichloroethane	103	(83 - 122)			SW846 8260B
	96	(83 - 122)	7.2	(0-30)	SW846 8260B
Trichloroethene	**97**	**(75 - 122)**			**SW846 8260B**
	95	**(75 - 122)**	**1.8**	**(0-20)**	**SW846 8260B**
Trichlorofluoromethane	105	(70 - 130)			SW846 8260B
	132 a	(70 - 130)	23	(0-30)	SW846 8260B
Vinyl chloride	98	(61 - 120)			SW846 8260B
	147 a,p	(61 - 120)	40	(0-30)	SW846 8260B
Xylenes (total)	101	(87 - 116)			SW846 8260B
	103	(87 - 116)	2.0	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
	106	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
	105	(61 - 128)
Toluene-d8	107	(76 - 110)
	105	(76 - 110)
4-Bromofluorobenzene	106	(74 - 116)
	113	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4I240108 **Work Order #...:** GQ8611AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I280000-202 GQ8611AD-LCSD
Prep Date.....: 09/27/04 **Analysis Date..:** 09/27/04
Prep Batch #...: 4272202
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	5.9	ug/L	59		SW846 8260B
	10	5.7	ug/L	57	2.8	SW846 8260B
Benzene	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	10	**10**	**ug/L**	**101**	**4.5**	**SW846 8260B**
Bromodichloromethane	10	11	ug/L	108		SW846 8260B
	10	11	ug/L	108	0.070	SW846 8260B
Bromoform	10	10	ug/L	105		SW846 8260B
	10	11	ug/L	109	3.4	SW846 8260B
Bromomethane	10	9.5	ug/L	95		SW846 8260B
	10	17 a,p	ug/L	170	56	SW846 8260B
2-Butanone	10	7.2	ug/L	72		SW846 8260B
	10	7.0	ug/L	70	2.7	SW846 8260B
Carbon disulfide	10	9.8	ug/L	98		SW846 8260B
	10	12	ug/L	121	21	SW846 8260B
Carbon tetrachloride	10	11	ug/L	114		SW846 8260B
	10	12	ug/L	123	7.3	SW846 8260B
Chlorobenzene	**10**	**9.8**	**ug/L**	**98**		**SW846 8260B**
	10	**9.5**	**ug/L**	**95**	**2.6**	**SW846 8260B**
Dichlorodifluoromethane	10	5.8 a	ug/L	58		SW846 8260B
	10	8.8 p	ug/L	88	41	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	10	13 a	ug/L	132		SW846 8260B
	10	18 a,p	ug/L	184	33	SW846 8260B
Methyl acetate	10	10	ug/L	103		SW846 8260B
	10	9.8	ug/L	98	5.4	SW846 8260B
Methyl tert-butyl ether (MTBE)	10	11	ug/L	105		SW846 8260B
	10	12	ug/L	117	11	SW846 8260B
Cyclohexane	10	11	ug/L	108		SW846 8260B
	10	13	ug/L	125	15	SW846 8260B
Methylcyclohexane	10	11	ug/L	108		SW846 8260B
	10	12	ug/L	118	8.8	SW846 8260B
Dibromochloromethane	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	102	0.55	SW846 8260B
Isopropylbenzene	10	11	ug/L	108		SW846 8260B
	10	12	ug/L	121	11	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4I240108 **Work Order #...:** GQ8611AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I280000-202 GQ8611AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,3-Dichlorobenzene	10	9.5	ug/L	95		SW846 8260B
	10	9.8	ug/L	98	3.0	SW846 8260B
Chloroethane	10	8.3	ug/L	83		SW846 8260B
	10	13 a,p	ug/L	127	41	SW846 8260B
1,4-Dichlorobenzene	10	9.8	ug/L	98		SW846 8260B
	10	10	ug/L	100	1.4	SW846 8260B
1,2-Dichlorobenzene	10	9.5	ug/L	95		SW846 8260B
	10	11	ug/L	106	10	SW846 8260B
1,2,4-Trichloro-benzene	10	9.4	ug/L	94		SW846 8260B
	10	11	ug/L	111	17	SW846 8260B
Chloroform	10	9.9	ug/L	99		SW846 8260B
	10	10	ug/L	104	5.0	SW846 8260B
Chloromethane	10	8.0	ug/L	80		SW846 8260B
	10	12 a,p	ug/L	124	44	SW846 8260B
1,2-Dibromo-3-chloro-propane	10	10	ug/L	104		SW846 8260B
	10	11	ug/L	111	6.4	SW846 8260B
1,2-Dibromoethane	10	10	ug/L	100		SW846 8260B
	10	9.7	ug/L	97	3.1	SW846 8260B
1,1-Dichloroethane	10	10	ug/L	104		SW846 8260B
	10	11	ug/L	106	2.3	SW846 8260B
1,2-Dichloroethane	10	10	ug/L	103		SW846 8260B
	10	10	ug/L	104	0.22	SW846 8260B
cis-1,2-Dichloroethene	10	9.9	ug/L	99		SW846 8260B
	10	10	ug/L	103	4.2	SW846 8260B
trans-1,2-Dichloroethene	10	10	ug/L	100		SW846 8260B
	10	11	ug/L	108	8.3	SW846 8260B
1,1-Dichloroethene	**10**	**11**	**ug/L**	**109**		**SW846 8260B**
	10	**13**	**ug/L**	**125**	**14**	**SW846 8260B**
1,2-Dichloroethene (total)	20	20	ug/L	99		SW846 8260B
	20	21	ug/L	106	6.3	SW846 8260B
1,2-Dichloropropane	10	11	ug/L	106		SW846 8260B
	10	10	ug/L	103	2.7	SW846 8260B
cis-1,3-Dichloropropene	10	11	ug/L	106		SW846 8260B
	10	10	ug/L	102	3.9	SW846 8260B
trans-1,3-Dichloropropene	10	10	ug/L	103		SW846 8260B
	10	9.4	ug/L	94	9.0	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4I240108 **Work Order #...:** GQ8611AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I280000-202 GQ8611AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethylbenzene	10	9.8	ug/L	98		SW846 8260B
	10	9.8	ug/L	98	0.31	SW846 8260B
2-Hexanone	10	8.0	ug/L	80		SW846 8260B
	10	7.1	ug/L	71	11	SW846 8260B
Methylene chloride	10	9.5	ug/L	95		SW846 8260B
	10	11	ug/L	105	10	SW846 8260B
4-Methyl-2-pentanone	10	9.2	ug/L	92		SW846 8260B
	10	9.3	ug/L	93	1.9	SW846 8260B
Styrene	10	10	ug/L	101		SW846 8260B
	10	9.8	ug/L	98	2.7	SW846 8260B
1,1,2,2-Tetrachloroethane	10	10	ug/L	104		SW846 8260B
	10	10	ug/L	100	3.6	SW846 8260B
Tetrachloroethene	10	9.7	ug/L	97		SW846 8260B
	10	9.8	ug/L	98	0.43	SW846 8260B
Toluene	**10**	**10**	**ug/L**	**104**		**SW846 8260B**
	10	**9.9**	**ug/L**	**99**	**5.1**	**SW846 8260B**
1,1,1-Trichloroethane	10	11	ug/L	106		SW846 8260B
	10	12	ug/L	116	8.4	SW846 8260B
1,1,2-Trichloroethane	10	10	ug/L	103		SW846 8260B
	10	9.6	ug/L	96	7.2	SW846 8260B
Trichloroethene	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	10	**9.5**	**ug/L**	**95**	**1.8**	**SW846 8260B**
Trichlorofluoromethane	10	10	ug/L	105		SW846 8260B
	10	13 a	ug/L	132	23	SW846 8260B
Vinyl chloride	10	9.8	ug/L	98		SW846 8260B
	10	15 a,p	ug/L	147	40	SW846 8260B
Xylenes (total)	30	30	ug/L	101		SW846 8260B
	30	31	ug/L	103	2.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
	106	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
	105	(61 - 128)
Toluene-d8	107	(76 - 110)
	105	(76 - 110)
4-Bromofluorobenzene	106	(74 - 116)
	113	(74 - 116)

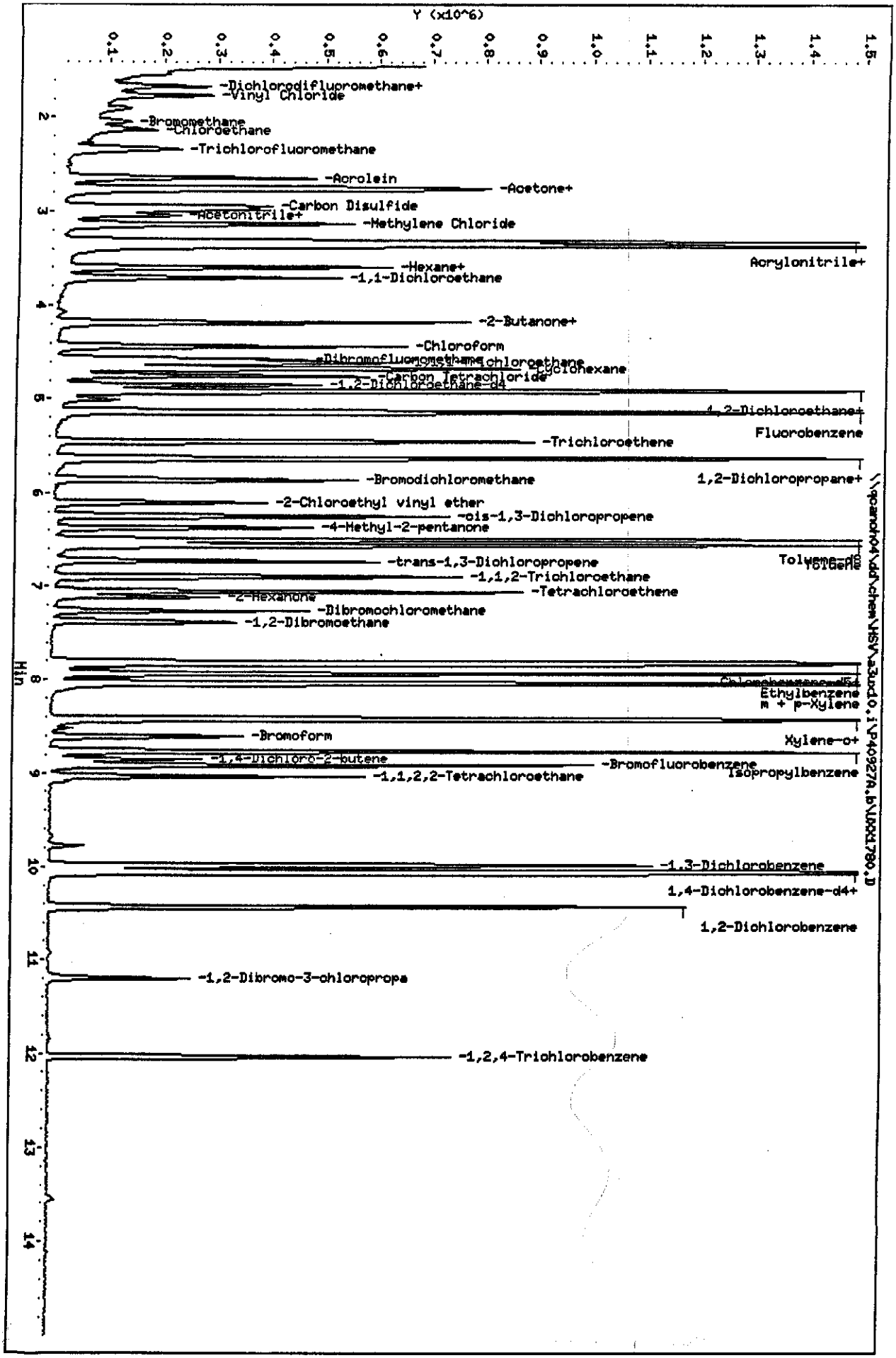
NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.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Date : 27-SEP-2004 11:17
Client ID: GQ86011AC
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide
-Acetonitrile+
-Methylene Chloride
Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5
Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-1,4-Dichloro-2-butene
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\pcanch04\dd\chem\HSV\a3ux10.i\P40927A.b\UXX1780.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1780.D
Report Date: 27-Sep-2004 15:53

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1780.D
Lab Smp Id: CHECK
Inj Date : 27-SEP-2004 11:17
Operator : 1904 Inst ID: a3ux10.i
Smp Info : CHECK
Misc Info : P40927A,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m
Meth Date : 27-Sep-2004 15:51 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

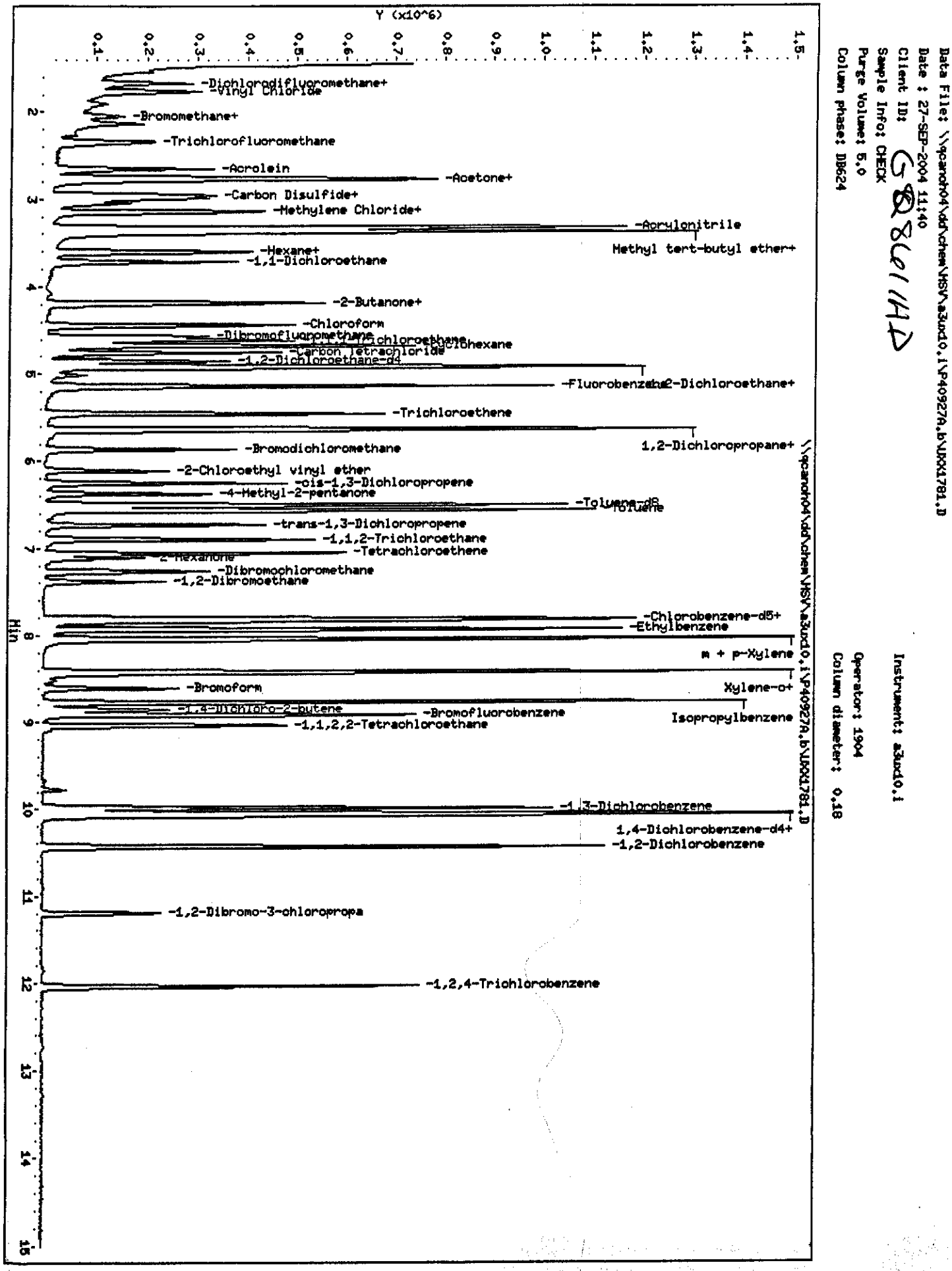
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.136	5.137	(1.000)	1513147	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.811	(1.000)	1013651	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.047	10.048	(1.000)	527360	50.0000	
$ 4 Dibromofluoromethane	113	4.568	4.569	(0.889)	301155	53.2509	10.650
$ 5 1,2-Dichloroethane-d4	65	4.852	4.853	(0.945)	362963	51.7574	10.351
$ 6 Toluene-d8	98	6.497	6.498	(0.832)	1119635	53.6243	10.725
$ 7 Bromofluorobenzene	95	8.911	8.912	(1.141)	416255	52.7841	10.557
8 Dichlorodifluoromethane	85	1.527	1.528	(0.297)	89953	28.8940	5.779
9 Chloromethane	50	1.657	1.658	(0.323)	257457	39.7938	7.959
10 Vinyl Chloride	62	1.764	1.753	(0.343)	268347	48.9966	9.799
11 Bromomethane	94	2.048	2.037	(0.399)	71731	47.4328	9.486
12 Chloroethane	64	2.130	2.131	(0.415)	160609	41.6488	8.330
13 Trichlorofluoromethane	101	2.332	2.333	(0.454)	317400	52.3033	10.461
15 Acrolein	56	2.651	2.640	(0.516)	553839	471.332	94.266
16 Acetone	43	2.769	2.770	(0.539)	132657	29.4649	5.893
17 1,1-Dichloroethene	96	2.746	2.747	(0.535)	285432	54.3903	10.878
18 Freon-113	151	2.769	2.770	(0.539)	207930	66.0367	13.207
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1780.D
Report Date: 27-Sep-2004 15:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.947	2.948	(0.574)	834863	49.2332	9.847
	21 Methylene Chloride	84	3.136	3.137	(0.611)	334027	47.5733	9.515
	22 Acetonitrile	41	2.994	2.983	(0.583)	428677	466.108	93.222
	23 Acrylonitrile	53	3.314	3.315	(0.645)	1499163	499.847	99.969
	24 Methyl tert-butyl ether	73	3.373	3.362	(0.657)	985729	52.7331	10.547
	25 trans-1,2-Dichloroethene	96	3.373	3.374	(0.657)	333731	49.8725	9.974
	26 Hexane	86	3.598	3.599	(0.701)	66725	58.2438	11.649
	27 Vinyl acetate	43	3.598	3.729	(0.701)	204370	17.1319	3.426
	28 1,1-Dichloroethane	63	3.704	3.705	(0.721)	549907	51.8231	10.365
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.178	4.179	(0.813)	178868	36.1322	7.226
M	31 1,2-Dichloroethene (total)	96				676604	99.2648	19.853
	32 cis-1,2-dichloroethene	96	4.178	4.179	(0.813)	342873	49.3923	9.878
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.438	4.439	(0.864)	548102	49.6419	9.928
	36 Tetrahydrofuran	42	4.178	4.427	(0.813)	12122	4.35961	0.8719
	37 1,1,1-Trichloroethane	97	4.604	4.605	(0.896)	451047	53.2441	10.649
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.757	4.758	(0.926)	394656	57.2403	11.448
	40 1,2-Dichloroethane	62	4.911	4.912	(0.956)	439973	51.6662	10.333
	41 Benzene	78	4.911	4.912	(0.956)	1331950	48.3724	9.674
	42 Trichloroethene	130	5.455	5.445	(1.062)	352948	48.3840	9.677
	43 1,2-Dichloropropane	63	5.633	5.634	(1.097)	299812	53.0428	10.608
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.858	5.859	(1.141)	413251	54.2067	10.841
	47 2-Chloroethyl vinyl ether	63	6.106	6.107	(1.189)	176954	51.7226	10.344
	48 cis-1,3-Dichloropropene	75	6.248	6.249	(1.217)	451787	53.1119	10.622
	49 4-Methyl-2-pentanone	43	6.367	6.368	(1.240)	337126	45.7685	9.154
	50 Toluene	91	6.556	6.557	(0.839)	1314582	52.0619	10.412
	51 trans-1,3-Dichloropropene	75	6.733	6.734	(0.862)	392454	51.5023	10.300
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.899	6.900	(0.883)	272855	51.4741	10.295
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.053	7.054	(0.903)	233663	48.5410	9.708
	56 2-Hexanone	43	7.112	7.113	(0.911)	215707	40.0381	8.008
	57 Dibromochloromethane	129	7.266	7.267	(0.930)	274649	50.9409	10.188
	58 1,2-Dibromoethane	107	7.384	7.373	(0.945)	272838	50.1033	10.021
	59 Chlorobenzene	112	7.834	7.835	(1.003)	816655	48.8186	9.764
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.929	7.930	(1.015)	430763	49.1628	9.832
	62 m + p-Xylene	106	8.035	8.036	(1.029)	1106990	101.419	20.284
M	63 Xylenes (total)	106				1648680	150.845	30.169
	64 Xylene-o	106	8.414	8.415	(1.077)	541690	49.4262	9.885
	65 Styrene	104	8.426	8.427	(1.079)	871307	50.6066	10.121
	66 Bromoform	173	8.603	8.604	(1.102)	193192	52.4314	10.486

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1780.D
Report Date: 27-Sep-2004 15:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.769	8.770	(1.123)	1308723	54.1538	10.831
68 1,1,2,2-Tetrachloroethane	83	9.041	9.030	(0.900)	349258	52.0071	10.401
69 1,4-Dichloro-2-butene	53	8.863	9.089	(0.882)	5650	3.16100	0.6322
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.987	9.988	(0.994)	613586	47.5140	9.503
81 1,4-Dichlorobenzene	146	10.070	10.071	(1.002)	683691	49.1515	9.830
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.437	10.438	(1.039)	592316	47.5983	9.520
84 1,2-Dibromo-3-chloropropane	157	11.194	11.195	(1.114)	81903	52.1924	10.438
85 1,2,4-Trichlorobenzene	180	12.035	12.036	(1.198)	277901	46.9953	9.399
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.675	4.664	(0.910)	452551	53.9978	10.800
143 Methyl Acetate	43	3.042	3.043	(0.592)	307361	51.5185	10.304
144 Methylcyclohexane	83	5.633	5.634	(1.097)	439450	54.1398	10.828
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					


Data File: \\qcandh04\dd\chem\HSV\a3ud10.i\P40927A.b\UKX1781.D
Date : 27-SEP-2004 11:40
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ud10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methylene Chloride+
-Acrylonitrile
Methyl tert-butyl ether+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-Fluorobenzene
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-1,4-Dichloro-2-butene
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1781.D
Report Date: 27-Sep-2004 15:54

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1781.D
Lab Smp Id: CHECK
Inj Date : 27-SEP-2004 11:40
Operator : 1904 Inst ID: a3ux10.i
Smp Info : CHECK
Misc Info : P40927A,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m
Meth Date : 27-Sep-2004 15:51 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.136	5.137	(1.000)	1059188	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.811	(1.000)	732660	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.048	(1.000)	449231	50.0000	
$ 4 Dibromofluoromethane	113	4.568	4.569	(0.889)	210665	53.2154	10.643
$ 5 1,2-Dichloroethane-d4	65	4.852	4.853	(0.945)	258775	52.7157	10.543
$ 6 Toluene-d8	98	6.496	6.498	(0.832)	794322	52.6342	10.527
$ 7 Bromofluorobenzene	95	8.910	8.912	(1.141)	321037	56.3229	11.264
8 Dichlorodifluoromethane	85	1.538	1.528	(0.300)	98925	43.8540	8.771
9 Chloromethane	50	1.669	1.658	(0.325)	280413	61.9179	12.384
10 Vinyl Chloride	62	1.763	1.753	(0.343)	281177	73.3427	14.668
11 Bromomethane	94	2.047	2.037	(0.399)	89736	84.7708	16.954
12 Chloroethane	64	2.130	2.131	(0.415)	171124	63.3945	12.679
13 Trichlorofluoromethane	101	2.343	2.333	(0.456)	288489	66.0549	13.211
15 Acrolein	56	2.651	2.640	(0.516)	385544	468.733	93.747
16 Acetone	43	2.781	2.770	(0.542)	90866	28.6603	5.732
17 1,1-Dichloroethene	96	2.757	2.747	(0.537)	229671	62.5220	12.504
18 Freon-113	151	2.781	2.770	(0.542)	202681	91.9579	18.392
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1781.D
Report Date: 27-Sep-2004 15:54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.958	2.948	(0.576)	718937	60.5678	12.114
	21 Methylene Chloride	84	3.148	3.137	(0.613)	258681	52.6326	10.526
	22 Acetonitrile	41	2.994	2.983	(0.583)	359702	558.737	111.75
	23 Acrylonitrile	53	3.325	3.315	(0.648)	1147959	546.793	109.36
	24 Methyl tert-butyl ether	73	3.373	3.362	(0.657)	766720	58.5964	11.719
	25 trans-1,2-Dichloroethene	96	3.373	3.374	(0.657)	253943	54.2137	10.843
	26 Hexane	86	3.609	3.599	(0.703)	48115	59.9998	12.000
	27 Vinyl acetate	43	3.597	3.729	(0.700)	148868	17.8278	3.566
	28 1,1-Dichloroethane	63	3.716	3.705	(0.724)	393954	53.0381	10.608
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.189	4.179	(0.816)	121836	35.1597	7.032
M	31 1,2-Dichloroethene (total)	96				504345	105.745	21.149
	32 cis-1,2-dichloroethene	96	4.189	4.179	(0.816)	250402	51.5314	10.306
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.437	4.439	(0.864)	403432	52.1994	10.440
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.615	4.605	(0.899)	343601	57.9445	11.589
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.757	4.758	(0.926)	297302	61.6012	12.320
	40 1,2-Dichloroethane	62	4.923	4.912	(0.959)	308656	51.7802	10.356
	41 Benzene	78	4.923	4.912	(0.959)	975271	50.5991	10.120
	42 Trichloroethene	130	5.455	5.445	(1.062)	242556	47.5019	9.500
	43 1,2-Dichloropropane	63	5.633	5.634	(1.097)	204303	51.6369	10.327
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.857	5.859	(1.141)	289060	54.1671	10.833
	47 2-Chloroethyl vinyl ether	63	6.106	6.107	(1.189)	105919	44.2284	8.846
	48 cis-1,3-Dichloropropene	75	6.248	6.249	(1.217)	304060	51.0653	10.213
	49 4-Methyl-2-pentanone	43	6.366	6.368	(1.240)	240577	46.6592	9.332
	50 Toluene	91	6.556	6.557	(0.839)	902979	49.4761	9.895
	51 trans-1,3-Dichloropropene	75	6.733	6.734	(0.862)	259111	47.0446	9.409
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.899	6.900	(0.883)	183528	47.9011	9.580
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.064	7.054	(0.905)	169625	48.7522	9.750
	56 2-Hexanone	43	7.112	7.113	(0.911)	139111	35.7237	7.145
	57 Dibromochloromethane	129	7.265	7.267	(0.930)	199621	51.2249	10.245
	58 1,2-Dibromoethane	107	7.384	7.373	(0.945)	191236	48.5867	9.717
	59 Chlorobenzene	112	7.833	7.835	(1.003)	575041	47.5588	9.512
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.928	7.930	(1.015)	310357	49.0056	9.801
	62 m + p-Xylene	106	8.035	8.036	(1.029)	796539	100.964	20.193
M	63 Xylenes (total)	106				1215553	153.860	30.772
	64 Xylene-o	106	8.413	8.415	(1.077)	419014	52.8958	10.579
	65 Styrene	104	8.425	8.427	(1.079)	612868	49.2480	9.850
	66 Bromoform	173	8.603	8.604	(1.102)	144514	54.2623	10.852

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1781.D
Report Date: 27-Sep-2004 15:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
67 Isopropylbenzene	105	8.768	8.770	(1.123)	1054361	60.3610	12.072
68 1,1,2,2-Tetrachloroethane	83	9.040	9.030	(0.900)	287115	50.1891	10.038
69 1,4-Dichloro-2-butene	53	8.851	9.089	(0.881)	5101	3.35019	0.6700
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.987	9.988	(0.994)	538532	48.9548	9.791
81 1,4-Dichlorobenzene	146	10.070	10.071	(1.002)	590757	49.8567	9.971
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.437	10.438	(1.039)	560088	52.8362	10.567
84 1,2-Dibromo-3-chloropropane	157	11.206	11.195	(1.115)	74395	55.6530	11.131
85 1,2,4-Trichlorobenzene	180	12.034	12.036	(1.198)	279827	55.5509	11.110
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.674	4.664	(0.910)	367127	62.5796	12.516
143 Methyl Acetate	43	3.053	3.043	(0.595)	203873	48.8182	9.764
144 Methylcyclohexane	83	5.633	5.634	(1.097)	335893	59.1175	11.824
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4I240108 **Work Order #...:** GQ8611AA **Matrix.....:** WATER
MB Lot-Sample #: A4I280000-202

Prep Date.....: 09/27/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 09/27/04 **Prep Batch #...:** 4272202
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	**0.28 J**	**1.0**	**ug/L**	**SW846 8260B**
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
3-Chloropropene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	50	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutanol	ND	50	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4I240108 **Work Order #...:** GQ8611AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.39 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	104	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
Toluene-d8	103	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

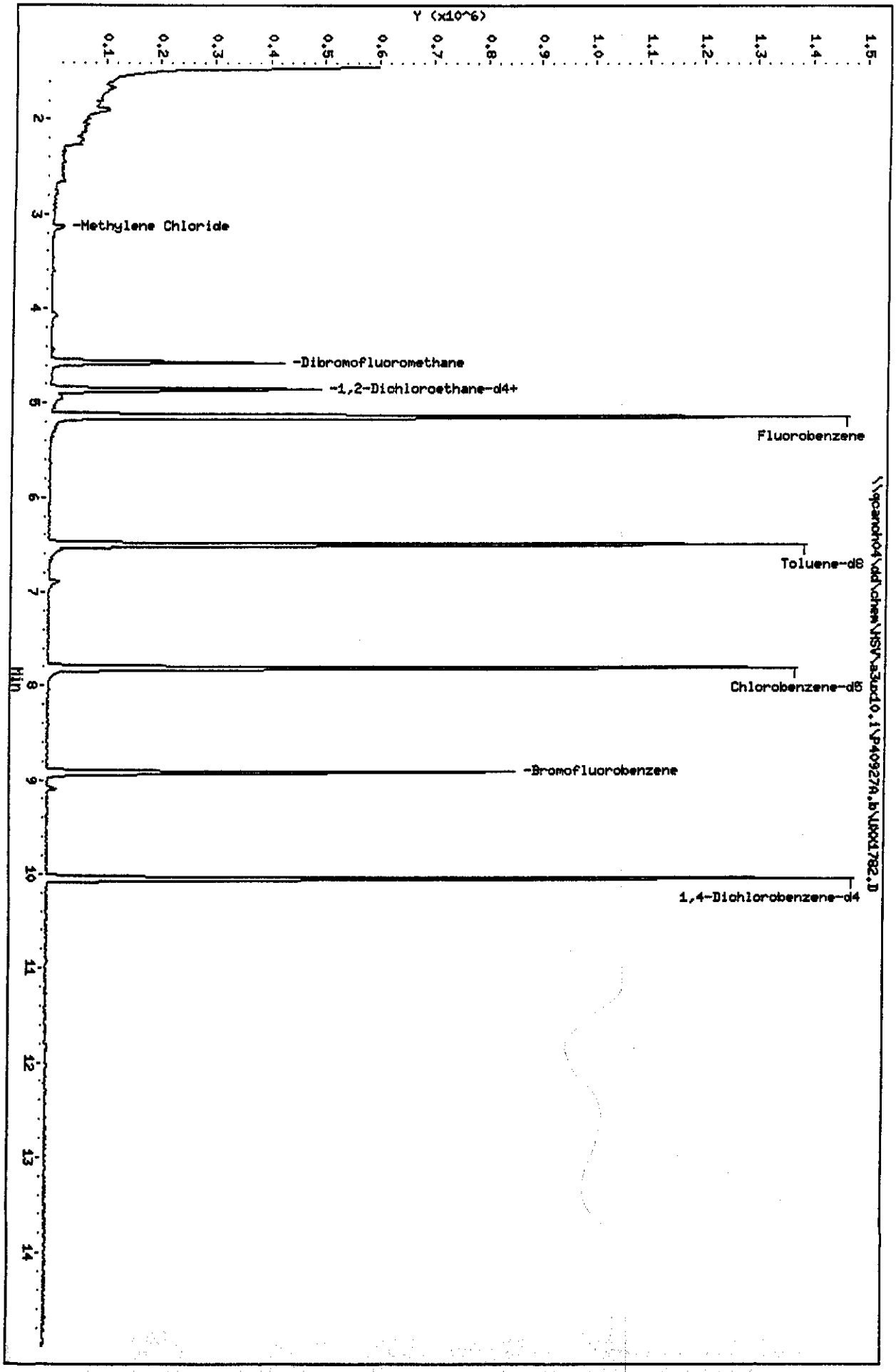
NOTE(S):

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

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P409270.b\UXX1782.D
Date : 27-SEP-2004 12:02
Client ID: GQ86111A4
Sample Info: VBLK,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1782.D
Report Date: 27-Sep-2004 15:54

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1782.D
Lab Smp Id: VBLK
Inj Date : 27-SEP-2004 12:02
Operator : 1904 Inst ID: a3ux10.i
Smp Info : VBLK,5ML/5ML
Misc Info : P40927A,8260LLUX10,,1904,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m
Meth Date : 27-Sep-2004 15:51 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.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: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.137	5.137	(1.000)	1427380	50.0000	
* 2 Chlorobenzene-d5	117	7.811	7.811	(1.000)	959119	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.047	10.048	(1.000)	470994	50.0000	
$ 4 Dibromofluoromethane	113	4.569	4.569	(0.889)	278041	52.1180	10.424
$ 5 1,2-Dichloroethane-d4	65	4.853	4.853	(0.945)	363597	54.9632	10.993
$ 6 Toluene-d8	98	6.497	6.498	(0.832)	1016020	51.4285	10.286
$ 7 Bromofluorobenzene	95	8.911	8.912	(1.141)	358316	48.0204	9.604
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\a3ux10.i\P40927A.b\UXX1782.D
Report Date: 27-Sep-2004 15:54

	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	3.125	3.137	(0.608)	12845	1.93936	0.3879
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.924	4.912	(0.959)	36695	1.41273	0.2825
	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\a3ux10.i\P40927A.b\UXX1782.D
Report Date: 27-Sep-2004 15:54

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

Data File: \\qcanoh04\dd\ohem\MSV\a3ux10.i\P40927A.b\UXX1782.D

Date : 27-SEP-2004 12:02

Client ID:

Instrument: a3ux10.i

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0

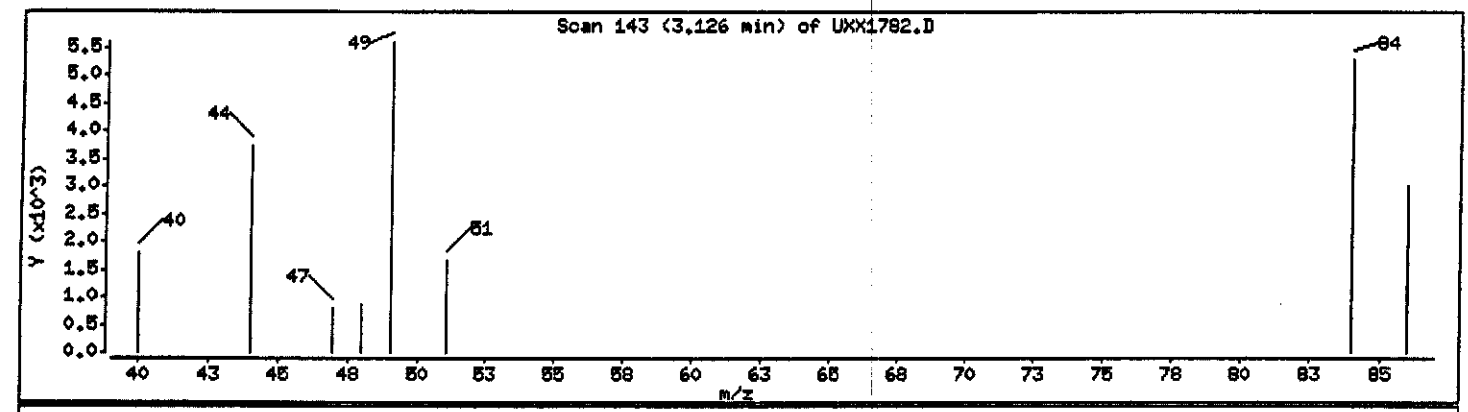
Operator: 1904

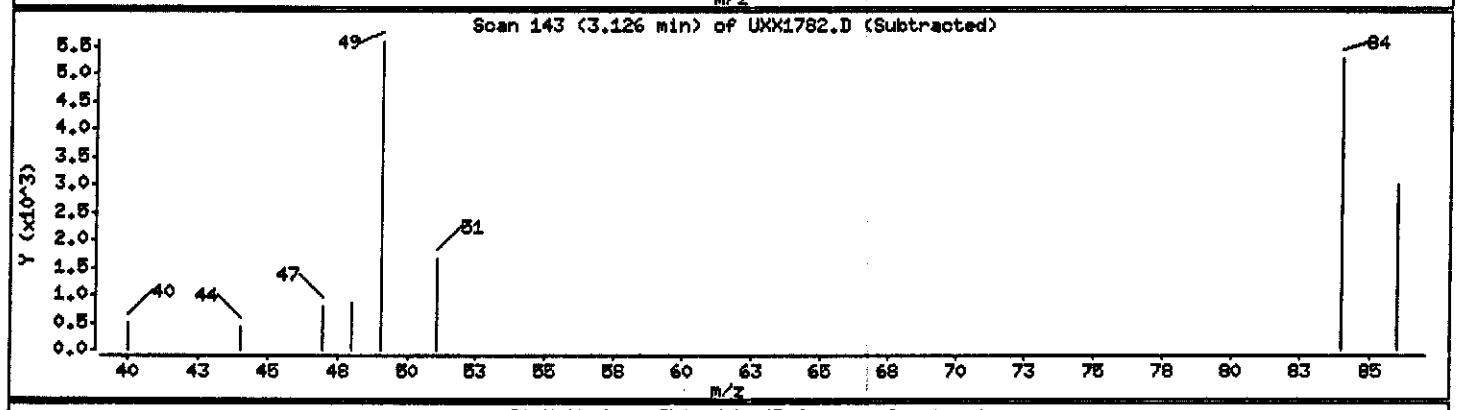
Column phase: DB624

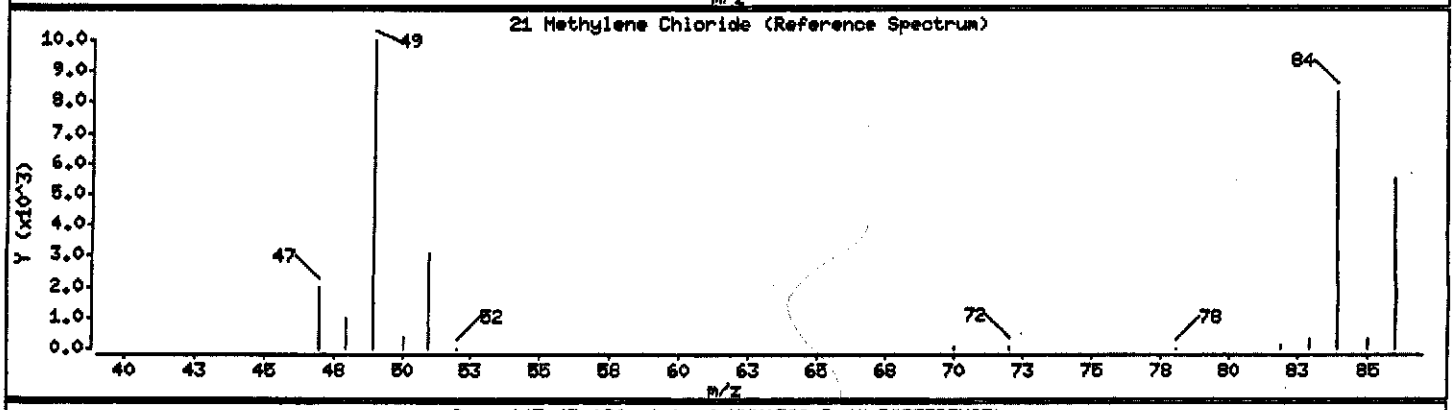
Column diameter: 0.18

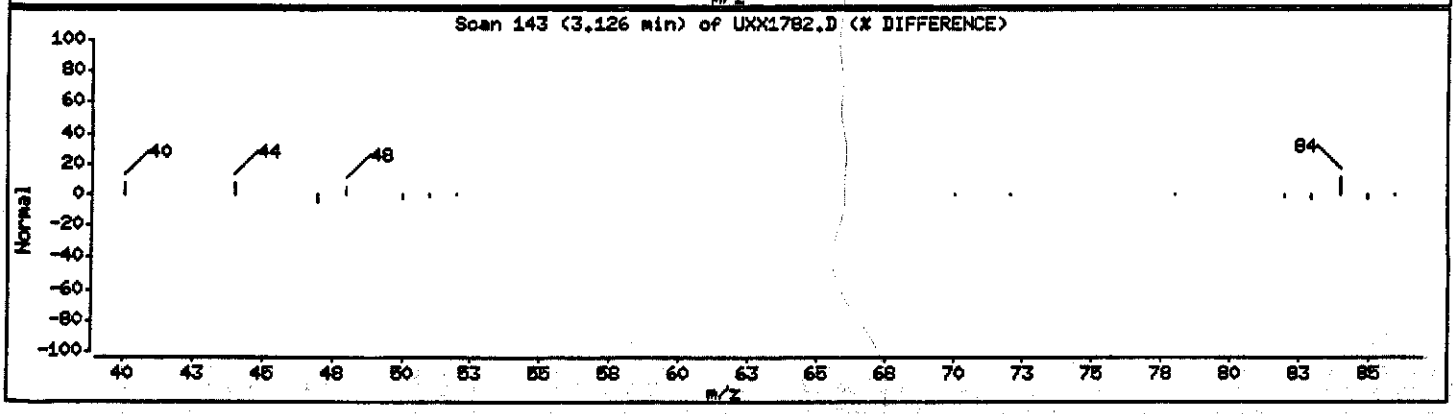
21 Methylene Chloride

Concentration: 0.3879 ug/L









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Date : 27-SEP-2004 12:02

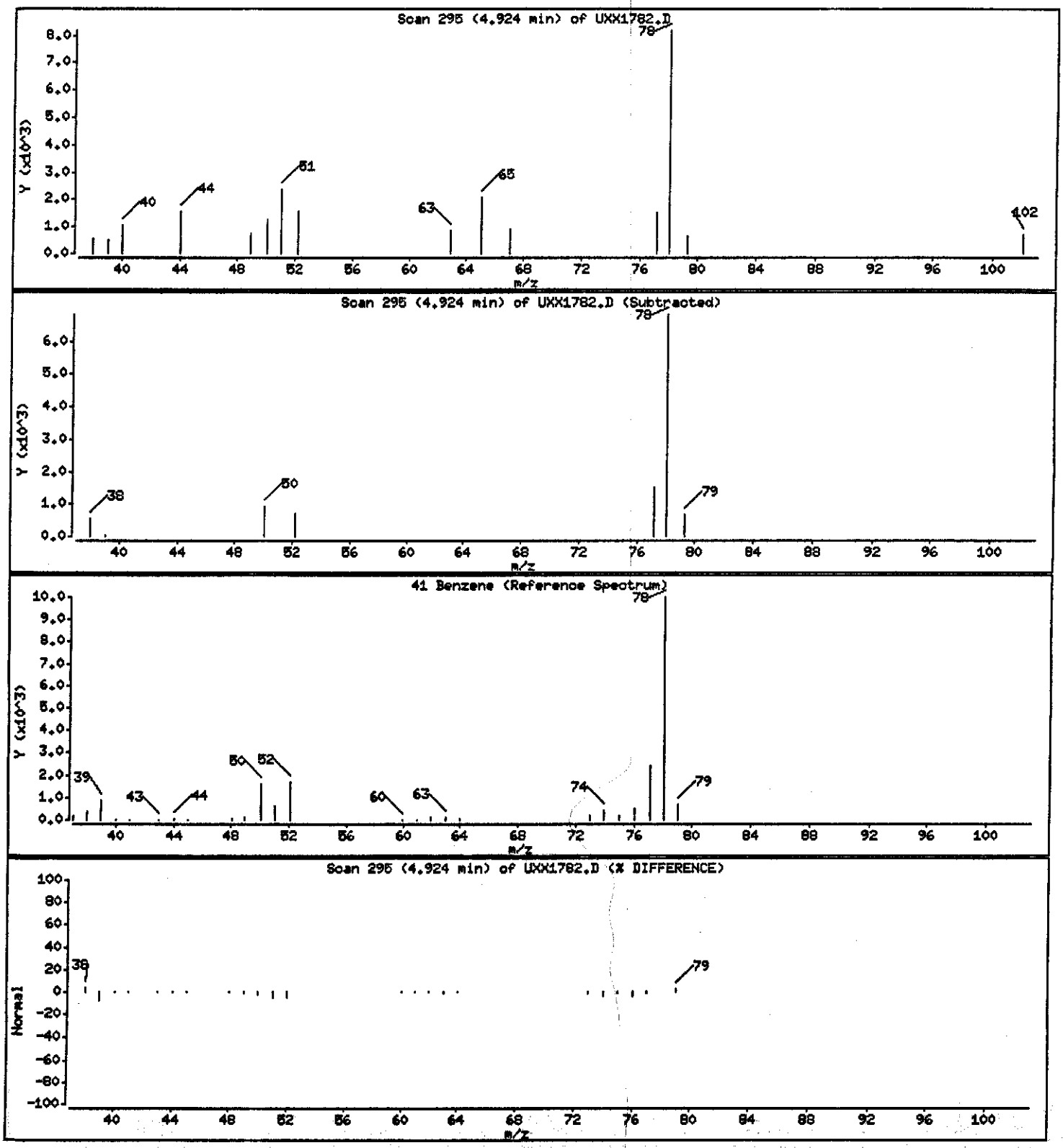
Client ID: | Instrument: a3ux10.i

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0 | Operator: 1904

Column phase: DB624 | Column diameter: 0.18

41 Benzene | Concentration: 0.2825 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1782.D
Report Date: 27-Sep-2004 15:54

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1782.D
Lab Smp Id: VBLK
Inj Date : 27-SEP-2004 12:02
Operator : 1904 Inst ID: a3ux10.i
Smp Info : VBLK,5ML/5ML
Misc Info : P40927A,8260LLUX10,,1904,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m
Meth Date : 27-Sep-2004 15:51 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.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: CANPMSV02

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4I240108 **Work Order #...:** GQ2A91AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4I240108-001 GQ2A91AD-MSD
Date Sampled...: 09/23/04 10:55 **Date Received..:** 09/24/04
Prep Date.....: 09/27/04 **Analysis Date..:** 09/27/04
Prep Batch #...: 4272202
Dilution Factor: 83.33 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	55	(45 - 128)			SW846 8260B
	56	(45 - 128)	1.3	(0-30)	SW846 8260B
Benzene	**99**	**(78 - 118)**			**SW846 8260B**
	96	**(78 - 118)**	**3.1**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	104	(80 - 146)			SW846 8260B
	101	(80 - 146)	3.1	(0-30)	SW846 8260B
Bromoform	94	(58 - 176)			SW846 8260B
	99	(58 - 176)	5.5	(0-30)	SW846 8260B
Bromomethane	113	(55 - 145)			SW846 8260B
	122	(55 - 145)	8.0	(0-30)	SW846 8260B
2-Butanone	75	(71 - 123)			SW846 8260B
	75	(71 - 123)	0.47	(0-30)	SW846 8260B
Carbon disulfide	100	(69 - 138)			SW846 8260B
	98	(69 - 138)	2.3	(0-41)	SW846 8260B
Carbon tetrachloride	108	(63 - 176)			SW846 8260B
	105	(63 - 176)	2.9	(0-30)	SW846 8260B
Chlorobenzene	**99**	**(76 - 117)**			**SW846 8260B**
	97	**(76 - 117)**	**1.9**	**(0-20)**	**SW846 8260B**
Dichlorodifluoromethane	52 a	(70 - 130)			SW846 8260B
	52 a	(70 - 130)	0.46	(0-30)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	134 a	(70 - 130)			SW846 8260B
	132 a	(70 - 130)	1.4	(0-30)	SW846 8260B
Methyl acetate	103	(70 - 130)			SW846 8260B
	98	(70 - 130)	4.7	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	103	(70 - 130)			SW846 8260B
	102	(70 - 130)	1.0	(0-30)	SW846 8260B
Cyclohexane	112	(70 - 130)			SW846 8260B
	108	(70 - 130)	3.8	(0-30)	SW846 8260B
Methylcyclohexane	112	(70 - 130)			SW846 8260B
	104	(70 - 130)	7.4	(0-30)	SW846 8260B
Dibromochloromethane	94	(71 - 158)			SW846 8260B
	98	(71 - 158)	4.1	(0-30)	SW846 8260B
Isopropylbenzene	108	(70 - 130)			SW846 8260B
	109	(70 - 130)	0.43	(0-30)	SW846 8260B
1,3-Dichlorobenzene	92	(70 - 130)			SW846 8260B
	99	(70 - 130)	7.1	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4I240108 **Work Order #...:** GQ2A91AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4I240108-001 GQ2A91AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Chloroethane	90	(59 - 142)			SW846 8260B
	91	(59 - 142)	2.0	(0-30)	SW846 8260B
1,4-Dichlorobenzene	98	(70 - 130)			SW846 8260B
	101	(70 - 130)	2.7	(0-30)	SW846 8260B
1,2-Dichlorobenzene	94	(70 - 130)			SW846 8260B
	101	(70 - 130)	6.8	(0-30)	SW846 8260B
1,2,4-Trichloro-benzene	88	(70 - 130)			SW846 8260B
	96	(70 - 130)	9.1	(0-30)	SW846 8260B
Chloroform	105	(83 - 141)			SW846 8260B
	100	(83 - 141)	5.3	(0-30)	SW846 8260B
Chloromethane	77	(40 - 137)			SW846 8260B
	79	(40 - 137)	2.3	(0-39)	SW846 8260B
1,2-Dibromo-3-chloro-propane	97	(70 - 130)			SW846 8260B
	101	(70 - 130)	4.1	(0-30)	SW846 8260B
1,2-Dibromoethane	103	(70 - 130)			SW846 8260B
	100	(70 - 130)	2.5	(0-30)	SW846 8260B
1,1-Dichloroethane	107	(88 - 127)			SW846 8260B
	104	(88 - 127)	2.8	(0-30)	SW846 8260B
1,2-Dichloroethane	108	(71 - 160)			SW846 8260B
	92	(71 - 160)	3.9	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	101	(87 - 114)			SW846 8260B
	96	(87 - 114)	5.2	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	103	(85 - 116)			SW846 8260B
	98	(85 - 116)	4.2	(0-30)	SW846 8260B
1,1-Dichloroethene	**108**	**(62 - 130)**			**SW846 8260B**
	105	**(62 - 130)**	**2.8**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	102	(86 - 115)			SW846 8260B
	97	(86 - 115)	4.7	(0-30)	SW846 8260B
1,2-Dichloropropane	106	(87 - 114)			SW846 8260B
	105	(87 - 114)	0.75	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	99	(82 - 130)			SW846 8260B
	99	(82 - 130)	0.05	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	94	(73 - 147)			SW846 8260B
	96	(73 - 147)	2.8	(0-30)	SW846 8260B
Ethylbenzene	99	(86 - 132)			SW846 8260B
	99	(86 - 132)	0.24	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4I240108 **Work Order #...:** GQ2A91AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4I240108-001 GQ2A91AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Hexanone	80 a	(81 - 128)			SW846 8260B
	87	(81 - 128)	9.0	(0-30)	SW846 8260B
Methylene chloride	90	(82 - 115)			SW846 8260B
	86	(82 - 115)	5.2	(0-30)	SW846 8260B
4-Methyl-2-pentanone	93	(82 - 135)			SW846 8260B
	94	(82 - 135)	0.83	(0-30)	SW846 8260B
Styrene	104	(83 - 120)			SW846 8260B
	103	(83 - 120)	0.97	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	107	(88 - 116)			SW846 8260B
	114	(88 - 116)	6.9	(0-30)	SW846 8260B
Tetrachloroethene	97	(85 - 121)			SW846 8260B
	97	(85 - 121)	0.03	(0-30)	SW846 8260B
Toluene	**105**	**(70 - 119)**			**SW846 8260B**
	101	**(70 - 119)**	**4.3**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	106	(71 - 162)			SW846 8260B
	102	(71 - 162)	3.7	(0-30)	SW846 8260B
1,1,2-Trichloroethane	105	(86 - 129)			SW846 8260B
	99	(86 - 129)	6.5	(0-30)	SW846 8260B
Trichloroethene	**99**	**(62 - 130)**			**SW846 8260B**
	95	**(62 - 130)**	**3.5**	**(0-20)**	**SW846 8260B**
Trichlorofluoromethane	109	(70 - 130)			SW846 8260B
	112	(70 - 130)	2.4	(0-30)	SW846 8260B
Vinyl chloride	101	(88 - 126)			SW846 8260B
	99	(88 - 126)	2.1	(0-30)	SW846 8260B
Xylenes (total)	103	(89 - 121)			SW846 8260B
	100	(89 - 121)	3.6	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
	103	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
	103	(61 - 128)
Toluene-d8	110	(76 - 110)
	106	(76 - 110)
4-Bromofluorobenzene	110	(74 - 116)
	108	(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 #...: A4I240108 **Work Order #...:** GQ2A91AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4I240108-001 GQ2A91AD-MSD
Date Sampled...: 09/23/04 10:55 **Date Received..:** 09/24/04
Prep Date.....: 09/27/04 **Analysis Date..:** 09/27/04
Prep Batch #...: 4272202
Dilution Factor: 83.33 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	ND	830	460	ug/L	55		SW846 8260B
	ND	830	470	ug/L	56	1.3	SW846 8260B
Benzene	**ND**	**830**	**830**	**ug/L**	**99**		**SW846 8260B**
	ND	**830**	**800**	**ug/L**	**96**	**3.1**	**SW846 8260B**
Bromodichloromethane	ND	830	870	ug/L	104		SW846 8260B
	ND	830	840	ug/L	101	3.1	SW846 8260B
Bromoform	ND	830	780	ug/L	94		SW846 8260B
	ND	830	830	ug/L	99	5.5	SW846 8260B
Bromomethane	ND	830	940	ug/L	113		SW846 8260B
	ND	830	1000	ug/L	122	8.0	SW846 8260B
2-Butanone	ND	830	630	ug/L	75		SW846 8260B
	ND	830	620	ug/L	75	0.47	SW846 8260B
Carbon disulfide	ND	830	830	ug/L	100		SW846 8260B
	ND	830	810	ug/L	98	2.3	SW846 8260B
Carbon tetrachloride	ND	830	900	ug/L	108		SW846 8260B
	ND	830	880	ug/L	105	2.9	SW846 8260B
Chlorobenzene	**ND**	**830**	**820**	**ug/L**	**99**		**SW846 8260B**
	ND	**830**	**810**	**ug/L**	**97**	**1.9**	**SW846 8260B**
Dichlorodifluoromethane	ND	830	430	ug/L	52 a		SW846 8260B
	ND	830	430	ug/L	52 a	0.46	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	830	1100	ug/L	134 a		SW846 8260B
	ND	830	1100	ug/L	132 a	1.4	SW846 8260B
Methyl acetate	ND	830	860	ug/L	103		SW846 8260B
	ND	830	820	ug/L	98	4.7	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	830	860	ug/L	103		SW846 8260B
	ND	830	850	ug/L	102	1.0	SW846 8260B
Cyclohexane	ND	830	930	ug/L	112		SW846 8260B
	ND	830	900	ug/L	108	3.8	SW846 8260B
Methylcyclohexane	ND	830	930	ug/L	112		SW846 8260B
	ND	830	870	ug/L	104	7.4	SW846 8260B
Dibromochloromethane	ND	830	790	ug/L	94		SW846 8260B
	ND	830	820	ug/L	98	4.1	SW846 8260B
Isopropylbenzene	ND	830	900	ug/L	108		SW846 8260B
	ND	830	900	ug/L	109	0.43	SW846 8260B
1,3-Dichlorobenzene	ND	830	770	ug/L	92		SW846 8260B
	ND	830	820	ug/L	99	7.1	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4I240108 **Work Order #...:** GQ2A91AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4I240108-001 GQ2A91AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Chloroethane	ND	830	750	ug/L	90		SW846 8260B
	ND	830	760	ug/L	91	2.0	SW846 8260B
1,4-Dichlorobenzene	ND	830	820	ug/L	98		SW846 8260B
	ND	830	840	ug/L	101	2.7	SW846 8260B
1,2-Dichlorobenzene	ND	830	790	ug/L	94		SW846 8260B
	ND	830	840	ug/L	101	6.8	SW846 8260B
1,2,4-Trichloro-benzene	ND	830	730	ug/L	88		SW846 8260B
	ND	830	800	ug/L	96	9.1	SW846 8260B
Chloroform	ND	830	880	ug/L	105		SW846 8260B
	ND	830	830	ug/L	100	5.3	SW846 8260B
Chloromethane	ND	830	640	ug/L	77		SW846 8260B
	ND	830	660	ug/L	79	2.3	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	830	810	ug/L	97		SW846 8260B
	ND	830	840	ug/L	101	4.1	SW846 8260B
1,2-Dibromoethane	ND	830	850	ug/L	103		SW846 8260B
	ND	830	830	ug/L	100	2.5	SW846 8260B
1,1-Dichloroethane	ND	830	890	ug/L	107		SW846 8260B
	ND	830	870	ug/L	104	2.8	SW846 8260B
1,2-Dichloroethane	2400	830	3300	ug/L	108		SW846 8260B
	2400	830	3200	ug/L	92	3.9	SW846 8260B
cis-1,2-Dichloroethene	ND	830	840	ug/L	101		SW846 8260B
	ND	830	800	ug/L	96	5.2	SW846 8260B
trans-1,2-Dichloroethene	ND	830	850	ug/L	103		SW846 8260B
	ND	830	820	ug/L	98	4.2	SW846 8260B
1,1-Dichloroethene	**ND**	**830**	**900**	**ug/L**	**108**		**SW846 8260B**
	ND	**830**	**880**	**ug/L**	**105**	**2.8**	**SW846 8260B**
1,2-Dichloroethene (total)	ND	1700	1700	ug/L	102		SW846 8260B
	ND	1700	1600	ug/L	97	4.7	SW846 8260B
1,2-Dichloropropane	ND	830	880	ug/L	106		SW846 8260B
	ND	830	870	ug/L	105	0.75	SW846 8260B
cis-1,3-Dichloropropene	ND	830	820	ug/L	99		SW846 8260B
	ND	830	820	ug/L	99	0.05	SW846 8260B
trans-1,3-Dichloropropene	ND	830	780	ug/L	94		SW846 8260B
	ND	830	800	ug/L	96	2.8	SW846 8260B
Ethylbenzene	ND	830	830	ug/L	99		SW846 8260B
	ND	830	830	ug/L	99	0.24	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4I240108 **Work Order #...:** GQ2A91AC-MS **Matrix.....:** WG
MS Lot-Sample #: A4I240108-001 GQ2A91AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Hexanone	ND	830	670	ug/L	80 a		SW846 8260B
	ND	830	730	ug/L	87	9.0	SW846 8260B
Methylene chloride	36	830	790	ug/L	90		SW846 8260B
	36	830	750	ug/L	86	5.2	SW846 8260B
4-Methyl-2-pentanone	ND	830	780	ug/L	93		SW846 8260B
	ND	830	780	ug/L	94	0.83	SW846 8260B
Styrene	ND	830	870	ug/L	104		SW846 8260B
	ND	830	860	ug/L	103	0.97	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	830	890	ug/L	107		SW846 8260B
	ND	830	950	ug/L	114	6.9	SW846 8260B
Tetrachloroethene	ND	830	810	ug/L	97		SW846 8260B
	ND	830	810	ug/L	97	0.03	SW846 8260B
Toluene	**ND**	**830**	**880**	**ug/L**	**105**		**SW846 8260B**
	ND	**830**	**840**	**ug/L**	**101**	**4.3**	**SW846 8260B**
1,1,1-Trichloroethane	ND	830	880	ug/L	106		SW846 8260B
	ND	830	850	ug/L	102	3.7	SW846 8260B
1,1,2-Trichloroethane	ND	830	880	ug/L	105		SW846 8260B
	ND	830	820	ug/L	99	6.5	SW846 8260B
Trichloroethene	**ND**	**830**	**820**	**ug/L**	**99**		**SW846 8260B**
	ND	**830**	**790**	**ug/L**	**95**	**3.5**	**SW846 8260B**
Trichlorofluoromethane	ND	830	910	ug/L	109		SW846 8260B
	ND	830	930	ug/L	112	2.4	SW846 8260B
Vinyl chloride	ND	830	840	ug/L	101		SW846 8260B
	ND	830	830	ug/L	99	2.1	SW846 8260B
Xylenes (total)	ND	2500	2600	ug/L	103		SW846 8260B
	ND	2500	2500	ug/L	100	3.6	SW846 8260B

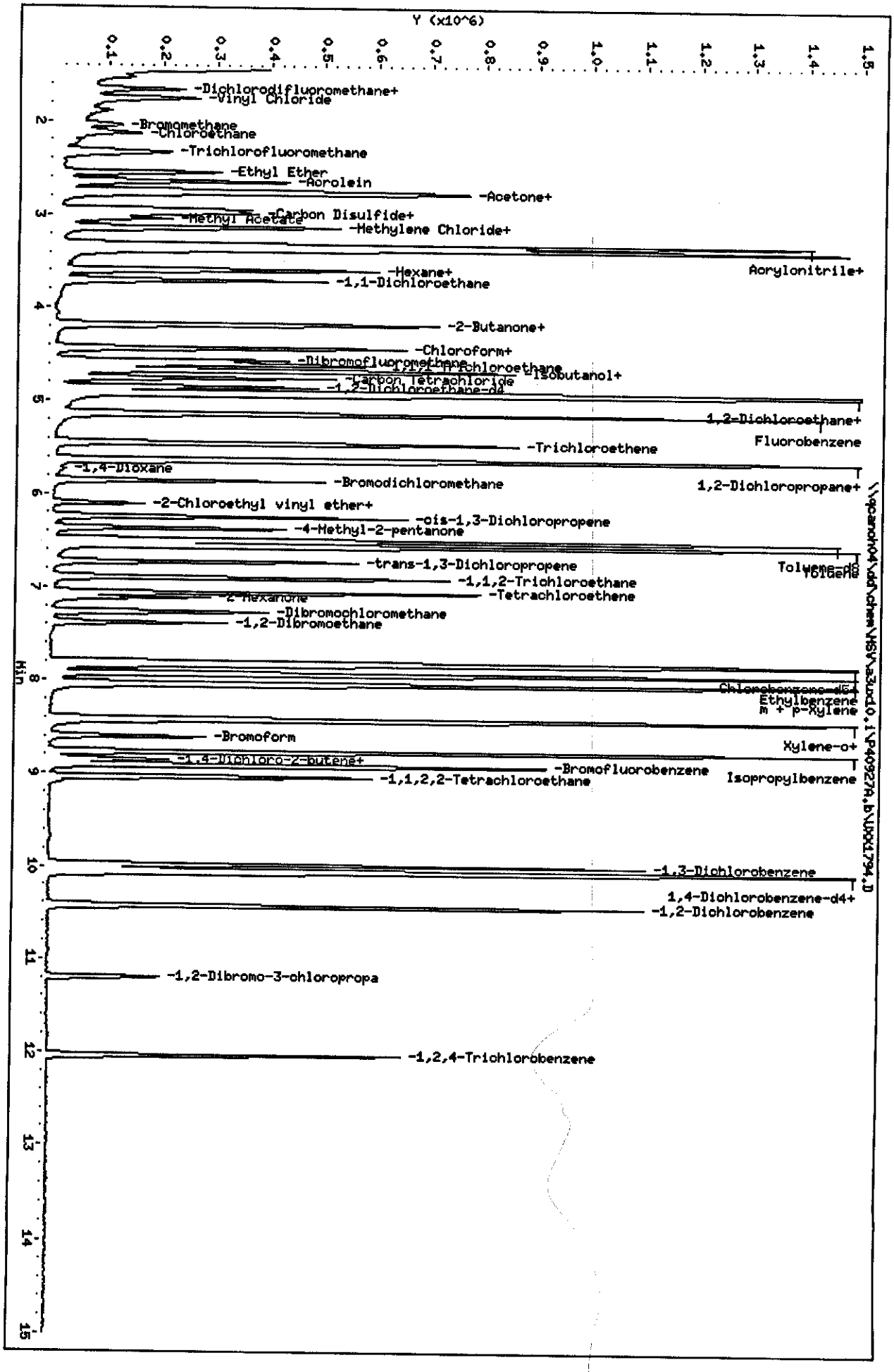
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
	103	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
	103	(61 - 128)
Toluene-d8	110	(76 - 110)
	106	(76 - 110)
4-Bromofluorobenzene	110	(74 - 116)
	108	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.


Data File: \\qcandh04\dd\chem\HSV\a3ux10.i\P40927A.b\UXX1794.D
Date : 27-SEP-2004 16:41
Client ID:
Sample Info: CC249-HS,0.06ML/5ML
Purge Volume: 0.1
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Ethyl Ether
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride+
Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform+
-Dibromofluoromethane
-1,1,1-Trichloroethane
-Isobutanol+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether+
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-1,4-Dichloro-2-butene+
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
Isopropylbenzene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1794.D
Report Date: 28-Sep-2004 10:37

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1794.D
Lab Smp Id: GQ2A9-MS
Inj Date : 27-SEP-2004 16:41
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GQ2A9-MS,0.06ML/5ML
Misc Info : P40927A,8260LLUX10,,1904,3,,MS
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m
Meth Date : 28-Sep-2004 10:30 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 17 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.060	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.134	5.137	(1.000)	1409445	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.811	(1.000)	959852	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.048	(1.000)	499076	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.569	(0.889)	281815	53.4976	891.63
$ 5 1,2-Dichloroethane-d4	65	4.850	4.853	(0.945)	341716	52.3128	871.88
$ 6 Toluene-d8	98	6.495	6.498	(0.832)	1090849	55.1740	919.57(R)
$ 7 Bromofluorobenzene	95	8.909	8.912	(1.141)	409250	54.8046	913.41
8 Dichlorodifluoromethane	85	1.525	1.528	(0.297)	74430	25.9682	432.80
9 Chloromethane	50	1.656	1.658	(0.323)	232030	38.5024	641.71
10 Vinyl Chloride	62	1.762	1.753	(0.343)	258497	50.6708	844.51
11 Bromomethane	94	2.046	2.037	(0.399)	79408	56.3727	939.54
12 Chloroethane	64	2.129	2.131	(0.415)	160883	44.7894	746.49
13 Trichlorofluoromethane	101	2.330	2.333	(0.454)	309520	54.4748	907.91
15 Acrolein	56	2.638	2.640	(0.514)	542200	495.377	8256.3
16 Acetone	43	2.768	2.770	(0.539)	117593	27.6519	460.86
17 1,1-Dichloroethene	96	2.744	2.747	(0.535)	265027	54.2178	903.63
18 Freon-113	151	2.768	2.770	(0.539)	196149	66.8786	1114.6
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1794.D
Report Date: 28-Sep-2004 10:37

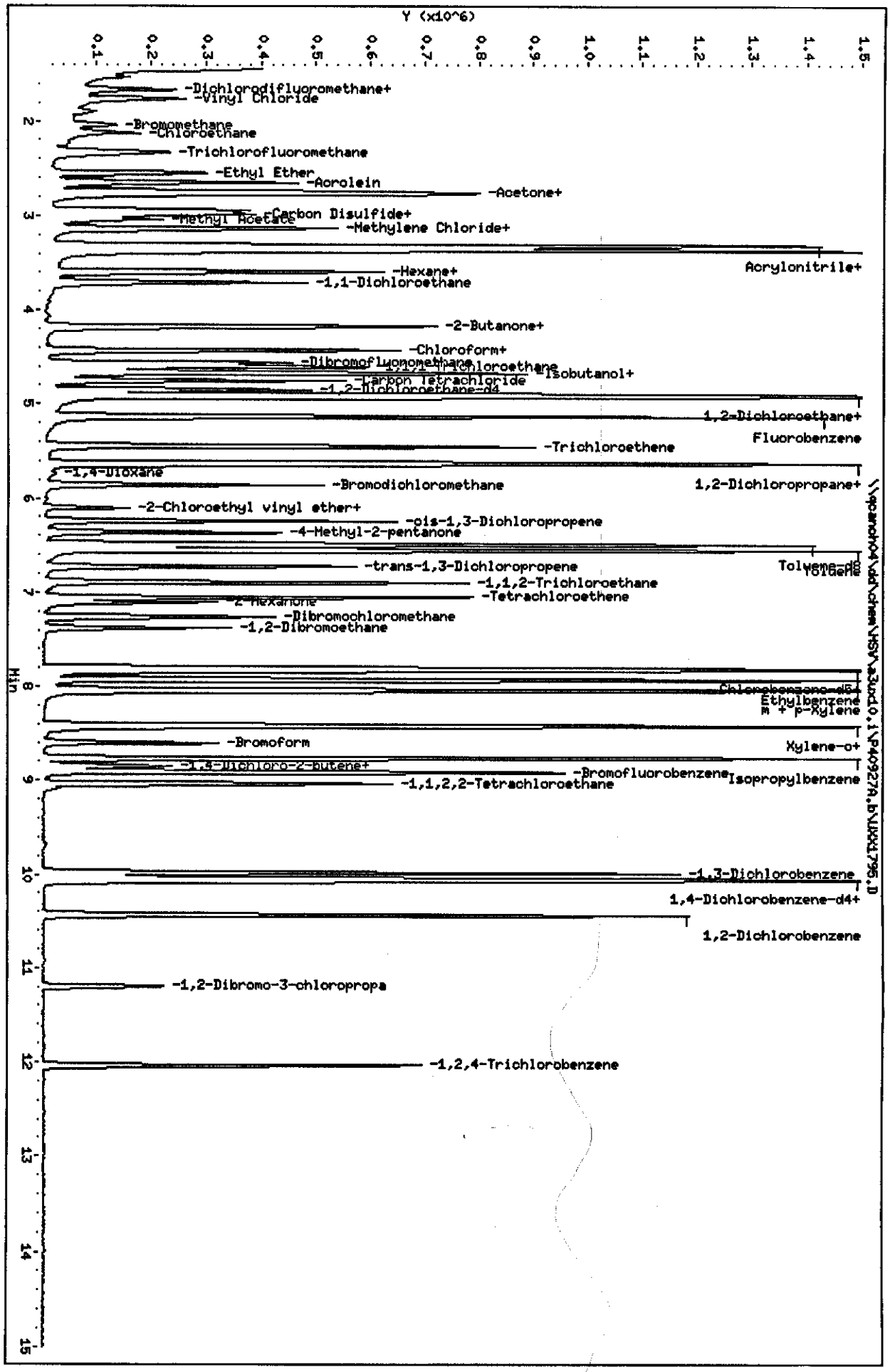
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.945	2.948	(0.574)	790177	50.0265	833.78
	21 Methylene Chloride	84	3.135	3.137	(0.611)	309682	47.3512	789.19
	22 Acetonitrile	41	2.993	2.983	(0.583)	419319	489.479	8158.0
	23 Acrylonitrile	53	3.312	3.315	(0.645)	1489995	533.342	8889.0
	24 Methyl tert-butyl ether	73	3.371	3.362	(0.657)	896554	51.4915	858.19
	25 trans-1,2-Dichloroethene	96	3.371	3.374	(0.657)	319529	51.2635	854.39
	26 Hexane	86	3.596	3.599	(0.700)	63141	59.1706	986.18
	27 Vinyl acetate	43	3.596	3.729	(0.700)	197811	17.8021	296.70
	28 1,1-Dichloroethane	63	3.703	3.705	(0.721)	529260	53.5471	892.45
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.176	4.179	(0.813)	173229	37.5677	626.13
M	31 1,2-Dichloroethene (total)	96				647025	101.912	1698.5
	32 cis-1,2-dichloroethene	96	4.188	4.179	(0.816)	327496	50.6483	844.14
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.436	4.439	(0.864)	541185	52.6218	877.03
	36 Tetrahydrofuran	42	4.436	4.427	(0.864)	8520	3.28962	54.827
	37 1,1,1-Trichloroethane	97	4.602	4.605	(0.896)	417760	52.9431	882.38
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.756	4.758	(0.926)	347433	54.0988	901.65
	40 1,2-Dichloroethane	62	4.910	4.912	(0.956)	1568562	197.749	3295.8
	41 Benzene	78	4.910	4.912	(0.956)	1271157	49.5612	826.02
	42 Trichloroethene	130	5.454	5.445	(1.062)	335346	49.3534	822.56
	43 1,2-Dichloropropane	63	5.631	5.634	(1.097)	278178	52.8364	880.61
	44 1,4-Dioxane	88	5.738	5.740	(1.118)	8478	138.297	2304.9
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.856	5.859	(1.141)	370445	52.1670	869.45
	47 2-Chloroethyl vinyl ether	63	6.105	6.107	(1.189)	72520	22.7568	379.28
	48 cis-1,3-Dichloropropene	75	6.247	6.249	(1.217)	391860	49.4563	824.27
	49 4-Methyl-2-pentanone	43	6.365	6.368	(1.240)	319806	46.6116	776.86
	50 Toluene	91	6.554	6.557	(0.839)	1259150	52.6615	877.69
	51 trans-1,3-Dichloropropene	75	6.732	6.734	(0.862)	338443	46.9037	781.73
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.898	6.900	(0.883)	264377	52.6702	877.84
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.063	7.054	(0.905)	220367	48.3448	805.75
	56 2-Hexanone	43	7.111	7.113	(0.911)	203670	39.9227	665.38
	57 Dibromochloromethane	129	7.264	7.267	(0.930)	241123	47.2293	787.16
	58 1,2-Dibromoethane	107	7.383	7.373	(0.945)	264306	51.2569	854.28
	59 Chlorobenzene	112	7.832	7.835	(1.003)	781151	49.3135	821.89
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.927	7.930	(1.015)	412027	49.6602	827.67
	62 m + p-Xylene	106	8.033	8.036	(1.029)	1074772	103.986	1733.1
M	63 Xylenes (total)	106				1600647	154.659	2577.6
	64 Xylene-o	106	8.412	8.415	(1.077)	525875	50.6726	844.54
	65 Styrene	104	8.424	8.427	(1.079)	848641	52.0528	867.55
	66 Bromoform	173	8.601	8.604	(1.102)	163696	46.9164	781.94

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1794.D
Report Date: 28-Sep-2004 10:37

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.767	8.770	(1.123)	1236768	54.0448	900.75
68 1,1,2,2-Tetrachloroethane	83	9.039	9.030	(0.900)	339112	53.3580	889.30
69 1,4-Dichloro-2-butene	53	8.850	9.089	(0.881)	4400	2.60117	43.353
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	9.986	9.988	(0.994)	561657	45.9576	765.96
81 1,4-Dichlorobenzene	146	10.069	10.071	(1.002)	646645	49.1228	818.71
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.436	10.438	(1.039)	555994	47.2116	786.86
84 1,2-Dibromo-3-chloropropane	157	11.205	11.195	(1.115)	72204	48.6194	810.32
85 1,2,4-Trichlorobenzene	180	12.045	12.036	(1.199)	245029	43.7847	729.74
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	2.543	2.546	(0.495)	219320	30.1585	502.64
91 3-Chloropropene	76	3.135	3.043	(0.611)	6600	2.34606	39.101
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	4.176	4.226	(0.813)	173229	20.1726	336.21
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	4.673	4.782	(0.598)	251940	842.051	14034(A)
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	5.631	5.705	(1.097)	336876	49.8741	831.24
101 2-Nitropropane	41	6.105	6.036	(1.189)	4202	8.22233	137.04
103 Cyclohexanone	55	8.850	8.853	(0.881)	112529	370.730	6178.8(A)
98 Cyclohexane	56	4.673	4.664	(0.910)	436505	55.9153	931.92
143 Methyl Acetate	43	3.040	3.043	(0.592)	285189	51.3192	855.32
144 Methylcyclohexane	83	5.631	5.634	(1.097)	423087	55.9590	932.65
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.
R - Spike/Surrogate failed recovery limits.


Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P40927A.b\UXX1795.D
Date : 27-SEP-2004 17:04
Client ID:
Sample Info: CQ209-HSD,0.06ML/5ML
Purge Volume: 0.1
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Ethyl Ether
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride+
Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform+
-Dibromofluoromethane
-1,1,1-Trichloroethane
-Carbon Tetrachloride
Isobutanol+
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether+
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
M + p-Xylene
-Bromoform
Xylene-o+
-1,4-Dichloro-2-butene+
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux10.i\P40927A.b\UXX1795.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1795.D
Report Date: 28-Sep-2004 10:37

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1795.D
Lab Smp Id: GQ2A9-MSD
Inj Date : 27-SEP-2004 17:04
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GQ2A9-MSD,0.06ML/5ML
Misc Info : P40927A,8260LLUX10,,1904,3,,MSD
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\8260LLUX10.m
Meth Date : 28-Sep-2004 10:30 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 18 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.060	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.134	5.137	(1.000)	1473746	50.0000	
* 2 Chlorobenzene-d5	117	7.808	7.811	(1.000)	986236	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.048	(1.000)	497518	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.569	(0.889)	284304	51.6153	860.25
$ 5 1,2-Dichloroethane-d4	65	4.850	4.853	(0.945)	352599	51.6237	860.40
$ 6 Toluene-d8	98	6.495	6.498	(0.832)	1075980	52.9660	882.77
$ 7 Bromofluorobenzene	95	8.909	8.912	(1.141)	413679	53.9157	898.59
8 Dichlorodifluoromethane	85	1.525	1.528	(0.297)	78228	26.0885	434.81
9 Chloromethane	50	1.655	1.658	(0.322)	248331	39.4094	656.82
10 Vinyl Chloride	62	1.762	1.753	(0.343)	264565	49.5975	826.62
11 Bromomethane	94	2.046	2.037	(0.399)	89968	61.0827	1018.0
12 Chloroethane	64	2.129	2.131	(0.415)	171685	45.7113	761.85
13 Trichlorofluoromethane	101	2.330	2.333	(0.454)	332646	55.8211	930.35
15 Acrolein	56	2.649	2.640	(0.516)	550950	481.409	8023.5
16 Acetone	43	2.768	2.770	(0.539)	124171	28.0043	466.74
17 1,1-Dichloroethene	96	2.756	2.747	(0.537)	269376	52.7031	878.38
18 Freon-113	151	2.768	2.770	(0.539)	202173	65.9249	1098.7
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1795.D
Report Date: 28-Sep-2004 10:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.945	2.948	(0.574)	807086	48.8676	814.46
	21 Methylene Chloride	84	3.134	3.137	(0.611)	307373	44.9476	749.12
	22 Acetonitrile	41	2.992	2.983	(0.583)	425845	475.408	7923.5
	23 Acrylonitrile	53	3.324	3.315	(0.647)	1518228	519.737	8662.3
	24 Methyl tert-butyl ether	73	3.371	3.362	(0.657)	928077	50.9763	849.60
	25 trans-1,2-Dichloroethene	96	3.371	3.374	(0.657)	320344	49.1519	819.20
	26 Hexane	86	3.596	3.599	(0.700)	63393	56.8147	946.91
	27 Vinyl acetate	43	3.596	3.729	(0.700)	196951	16.9513	282.52
	28 1,1-Dichloroethane	63	3.702	3.705	(0.721)	538317	52.0872	868.12
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.176	4.179	(0.813)	180279	37.3908	623.18
M	31 1,2-Dichloroethene (total)	96				645555	97.2523	1620.9
	32 cis-1,2-dichloroethene	96	4.188	4.179	(0.816)	325211	48.1005	801.67
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.436	4.439	(0.864)	536815	49.9195	831.99
	36 Tetrahydrofuran	42	4.436	4.427	(0.864)	6709	2.47736	41.289
	37 1,1,1-Trichloroethane	97	4.613	4.605	(0.899)	420899	51.0136	850.23
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.755	4.758	(0.926)	352948	52.5597	875.99
	40 1,2-Dichloroethane	62	4.909	4.912	(0.956)	1577460	190.194	3169.9
	41 Benzene	78	4.909	4.912	(0.956)	1288608	48.0495	800.82
	42 Trichloroethene	130	5.454	5.445	(1.062)	338716	47.6744	794.57
	43 1,2-Dichloropropane	63	5.631	5.634	(1.097)	288683	52.4394	873.99
	44 1,4-Dioxane	88	5.738	5.740	(1.118)	9222	143.870	2397.8
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.856	5.859	(1.141)	375425	50.5616	842.69
	47 2-Chloroethyl vinyl ether	63	6.104	6.107	(1.189)	69487	20.8536	347.56
	48 cis-1,3-Dichloropropene	75	6.246	6.249	(1.217)	409493	49.4269	823.78
	49 4-Methyl-2-pentanone	43	6.365	6.368	(1.240)	337185	47.0004	783.34
	50 Toluene	91	6.554	6.557	(0.839)	1239202	50.4408	840.68
	51 trans-1,3-Dichloropropene	75	6.732	6.734	(0.862)	357552	48.2263	803.77
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.897	6.900	(0.883)	254530	49.3519	822.53
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.063	7.054	(0.905)	226338	48.3263	805.44
	56 2-Hexanone	43	7.110	7.113	(0.911)	228902	43.6683	727.80
	57 Dibromochloromethane	129	7.264	7.267	(0.930)	258158	49.2133	820.22
	58 1,2-Dibromoethane	107	7.382	7.373	(0.945)	264949	50.0071	833.45
	59 Chlorobenzene	112	7.832	7.835	(1.003)	787749	48.3996	806.66
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.927	7.930	(1.015)	422330	49.5402	825.67
	62 m + p-Xylene	106	8.045	8.036	(1.030)	1055706	99.4091	1656.8
M	63 Xylenes (total)	106				1587220	149.255	2487.6
	64 Xylene-o	106	8.412	8.415	(1.077)	531514	49.8458	830.76
	65 Styrene	104	8.424	8.427	(1.079)	863474	51.5457	859.10
	66 Bromoform	173	8.601	8.604	(1.102)	177652	49.5541	825.90

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40927A.b\UXX1795.D
Report Date: 28-Sep-2004 10:37

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.767	8.770	(1.123)	1276338	54.2818	904.70
68 1,1,2,2-Tetrachloroethane	83	9.039	9.030	(0.900)	362364	57.1952	953.25
69 1,4-Dichloro-2-butene	53	8.850	9.089	(0.881)	4807	2.85068	47.511
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	9.986	9.988	(0.994)	601277	49.3536	822.56
81 1,4-Dichlorobenzene	146	10.068	10.071	(1.002)	662527	50.4869	841.45
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.435	10.438	(1.039)	593380	50.5440	842.40
84 1,2-Dibromo-3-chloropropane	157	11.204	11.195	(1.115)	75018	50.6724	844.54
85 1,2,4-Trichlorobenzene	180	12.044	12.036	(1.199)	267636	47.9741	799.57
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	2.555	2.546	(0.498)	210064	27.6254	460.42
91 3-Chloropropene	76	3.111	3.043	(0.606)	8947	3.04158	50.693
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	4.176	4.226	(0.813)	180279	20.0776	334.63
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	4.673	4.782	(0.598)	257582	837.876	13965(A)
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	5.631	5.705	(1.097)	332205	47.0367	783.94
101 2-Nitropropane	41	6.093	6.036	(1.187)	3872	7.89975	131.66
103 Cyclohexanone	55	8.850	8.853	(0.881)	126150	416.906	6948.4(A)
98 Cyclohexane	56	4.673	4.664	(0.910)	439276	53.8151	896.92
143 Methyl Acetate	43	3.040	3.043	(0.592)	284592	48.9773	816.29
144 Methylcyclohexane	83	5.631	5.634	(1.097)	410590	51.9367	865.61
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

SEVERN TRENT STL

MISCELLANEOUS DATA

UX10
Batch # _____

STL-North Canton
GC/MS VOA Run Log

Date: 8-12-04

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

BFB
45 C for 2 min
~~100~~ C for ~~8.1~~ min
to 200 C @ ~~20~~ C/min
Hold 3 min

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

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

IS # V2097 SS # V2098

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB 1360	50ng		0610	ok
	App. IX STD		UXX 0522	200ng	V2152, 59		ok
			UXX0523	100ng			ok
			UXX0524	50ng		V40812-A9	ok
			UXX0525	25ng			ok
			UXX0526	10ng			ok
			UXX0527	5ng			ok

Re 8-12-04

Analyst: Re
Level 2 review: M

UX10
Batch # 4271270

STL-North Canton
GC/MS VOA Run Log

Date: 4-29-04

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

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

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

9/29

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

IS # V2305 SS # V2306

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number Sample prep	Comments	Sample status
						1225	
	BFB		BFB1405	50ng			ok
	8260 STD		UXX1747	200ng	V2307 08 V2291, 92		ok
			48	100ng			ok
			49	50ng		V40924	ok
			50	25ng			ok
			51	10ng			ok
			52	5ng			ok
	ICV		53	50ng	V2302		ok
	AP. IV STD		54	50ng	V2251, 96	V40812	ok
	CHECK	60668	55	50ng	V2302		ok
	CHECK		56	50ng			ok
	BLANK		57	5ML			ok
	6QH25IAA		58	1ML/5ML			ok
	6QH23IAA		59	0.03ML/5ML			ok
	6Q6NVIAD		60	5ML			ok
	6QGTDIAM		61				ok
	6QGVJIAD		62				ok
	6QGWKIDA		63	5ML			ok
	6QGWKIDC	m3	64		+50ng		ok
	6QGWKIDD	m30	65				ok
	6QGXEIAD		66	5ML			ok
	6QG63IAD		67				ok
	6QG7AIAD		68				ok
	6QG76IAA		69				ok
	6QG7QICX		70				ok
	6QG8XIAY		71				ok
	6QG9EIAD		72				ok
	6QHAMIAA		73				ok
	6QHAOIAA		74				ok
	6QHVGIAA		75				ok
	6QHWFIAA		76				ok
	6QHXOIAA		UXX1777				ok
						pe 5-27-04	

Analyst: RO
Level 2 review: SMV

UX10
Batch # 4272202

STL-North Canton
GC/MS VOA Run Log

Date: 9-27-04

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	IS # V2305 SS # V2306	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

9/28

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
✓	BFB		BFB1406	50ng		1012	ok
✓	8260 STD		UXX1778	50ng	V2292 V2307, 08	V40924	ok
✓	APP. IX STD		79	50ng	V2296, 2300	V40812	ok
✓	CHECK	GQ861	80	50ng	V2302		ok
✓	CHECK		81	50ng			ok
✓	BLANK		82	5ML			ok
✓	GQ2A9 1AA		83	0.06ML/5ML			ok
✓	GQ2CK1AA		84	2.5ML/5ML			ok
✓	GQ2CM1AA		85	5ML			ok
	GQ2ED1AA		86	2.5ML/5ML		R- 5ML	—
✓	GQ2EJ1AA		87	0.13ML/5ML			ok
✓	GQ2EK1AA		88	5ML			ok
✓	GQ2CN1AA		89				ok
✓	GQ2CP1AA		90				ok
✓	GQ2CQ1AA ~~GQ2CR~~ [illegible]		91				ok
✓	GQ2CR1AA		92				ok
✓	GQ2GR1AA		93				ok
✓	GQ2A9 1AC	MS	94	0.06ML/5ML	+50ng		ok
✓	GQ2A9 1AD	MSD	95				ok
✓	GQXEQ1AA		96	5ML			ok
✓	GQXEP1AA		97				ok
	GQXET1AA		98			R- [illegible]	—
✓	GQJAK1AA		UXX1799				ok
✓	GQJAN1AA		UXX1800				ok
✓	GQJAQ1AA		01				ok
✓	GQJAT1AA		02				ok
✓	GQJAX1AA		03				ok
✓	GQTLW1AA		04				ok
✓	GQ2ED1AA		UXX1805				ok

0.21379
1743

[illegible] 9-28-04

Analyst: RQ
Level 2 review: CMR

MSVOC Lot Summary - A4I240108

CLIENT: 5670 PAYNE FIRM INC. SDG: 4I24108 31 Date Received: 9/24/04
PROJECT MANAGER: Roger K. Toth Date Analysis Due: 9/28/04 N
SITE: EMD/OHIO Date Report Due: 10/04/04
LOT COMMENTS: Turnaround Time: 4
QC PACKAGE: Expanded Deliverables

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
01-	GQ2A9-1AA	XX I 25 QK 01 MS8260LL		9/23/04 10:55	10/07/04	Y	VE536/06-11/092304 Q: CLP MSVOA TCL Standard List EXP DEL, SDG# 4I24108 (CLSD), RUSH TAT DUE 9-28-04 BY 3:00! AP9 Compounds
	-3 ms						
	-1 msd						
02-	GQ2CK-1AA	XX I 25 QK 01 MS8260LL		9/23/04 10:58	10/07/04	Y	VE536/12-17/092304 Q: CLP MSVOA TCL Standard List EXP DEL, SDG# 4I24108 (CLSD), RUSH TAT DUE 9-28-04 BY 3:00! AP9 Compounds
03-	GQ2CM-1AA	XX I 25 QK 01 MS8260LL		9/23/04 11:04	10/07/04	Y	VE537/0.5-10.5/092304 Q: CLP MSVOA TCL Standard List EXP DEL, SDG# 4I24108 (CLSD), RUSH TAT DUE 9-28-04 BY 3:00! AP9 Compounds
04-	GQ2CN-1AA	XX I 25 QK 01 MS8260LL		9/23/04 11:09	10/07/04	Y	VE537/12.5-17.5/092304 Q: CLP MSVOA TCL Standard List EXP DEL, SDG# 4I24108 (CLSD), RUSH TAT DUE 9-28-04 BY 3:00! AP9 Compounds
05-	GQ2CP-1AA	XX I 25 QK 01 MS8260LL		9/23/04 11:14	10/07/04	Y	VE538/06.5-11.5/092304 Q: CLP MSVOA TCL Standard List EXP DEL, SDG# 4I24108 (CLSD), RUSH TAT DUE 9-28-04 BY 3:00! AP9 Compounds
06-	GQ2CQ-1AA	XX I 25 QK 01 MS8260LL		9/23/04 11:17	10/07/04	Y	VE538/13-18/092304 Q: CLP MSVOA TCL Standard List EXP DEL, SDG# 4I24108 (CLSD), RUSH TAT DUE 9-28-04 BY 3:00! AP9 Compounds
07-	GQ2CR-1AA	XX I 25 QK 01 MS8260LL		9/23/04	10/07/04	Y	TRIP BLANK/092304 Q: CLP MSVOA TCL Standard List EXP DEL, SDG# 4I24108 (CLSD), RUSH TAT DUE 9-28-04 BY 3:00! AP9 Compounds
	2						

4x2 9-24 PH=1 FC=N

09/30/04 07:44:56 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A4I240108	1	GQ2A91AA	MS8260LL	9/27/04	Richard Quayle
A4I240108	2	GQ2CK1AA	MS8260LL	9/27/04	Richard Quayle
A4I240108	3	GQ2CM1AA	MS8260LL	9/27/04	Richard Quayle
A4I240108	4	GQ2CN1AA	MS8260LL	9/27/04	Richard Quayle
A4I240108	5	GQ2CP1AA	MS8260LL	9/27/04	Richard Quayle
A4I240108	6	GQ2CQ1AA	MS8260LL	9/27/04	Richard Quayle
A4I240108	7	GQ2CR1AA	MS8260LL	9/27/04	Richard Quayle

*** END OF REPORT ***

SEVERN TRENT STL

END OF REPORT