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SEVERN TRENT STL

STL North Canton
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ANALYTICAL REPORT

EM SCIENCE (OH.)

Lot #: A4I160150

Angela Hurley

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

SEVERN TRENT LABORATORIES, INC.

Roger K. Toth
Project Manager

September 28, 2004

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE
A4I160150

The following report contains the analytical results for one water sample and one quality control sample submitted to STL North Canton by The Payne Firm, Inc. from the EM Science (OH.) Site. The samples were received September 16, 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 21, 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 2.2°C.

See STL's Cooler Receipt Form for additional information.

CASE NARRATIVE (continued)

GC/MS VOLATILES

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

Result concentration exceeds the calibration range. Refer to the sample report pages for the affected compound(s) flagged with "E".

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 batch(es) 4264385 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.

Sample TRIP BLANK has 4,4-Dioxane contamination due to sample carry over because of the 10X client request. The TRIP BLANK was confirmed clean but was outside of the 12 hour anaysis.

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

A4I160150

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
DPE02/091504 09/15/04 10:17 001				
Benzene	2.9	1.0	ug/L	SW846 8260B
Benzene	5.5 J	20	ug/L	SW846 8260B
2-Butanone	0.49 J	10	ug/L	SW846 8260B
2-Butanone	29 J	200	ug/L	SW846 8260B
Chloroethane	0.84 J	1.0	ug/L	SW846 8260B
Chloromethane	0.20 J,B	1.0	ug/L	SW846 8260B
Chloromethane	3.4 J,B	20	ug/L	SW846 8260B
1,1-Dichloroethane	0.35 J	1.0	ug/L	SW846 8260B
1,4-Dioxane	26000 E	50	ug/L	SW846 8260B
1,4-Dioxane	25000	1000	ug/L	SW846 8260B
Ethylbenzene	0.26 J	1.0	ug/L	SW846 8260B
Toluene	0.65 J	1.0	ug/L	SW846 8260B
Xylenes (total)	0.67 J	2.0	ug/L	SW846 8260B
TRIP BLANK 09/15/04 002				
Acetone	0.79 J	10	ug/L	SW846 8260B
Benzene	0.28 J	1.0	ug/L	SW846 8260B
2-Butanone	1.1 J	10	ug/L	SW846 8260B
Chloromethane	0.19 J,B	1.0	ug/L	SW846 8260B
1,4-Dioxane	320	50	ug/L	SW846 8260B
Toluene	0.57 J	1.0	ug/L	SW846 8260B

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METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A4I160150

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

References:

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

SEVERN TRENT STL

SAMPLE SUMMARY

SAMPLE SUMMARY

A4I160150

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GQCK1	001	DPE02/091504	09/15/04	10:17
GQCLA	002	TRIP BLANK	09/15/04	

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.

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SHIPPING AND RECEIVING DOCUMENTS

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: The Payne Firm, Inc.	Project Manager: Kevin Kallini	Date: 9/15/04	Chain of Custody Number: 163658
Address: 11231 Cornell Park Dr.	Telephone Number (Area Code)/Fax Number: (513) 489-2255 / (513) 489-2533	Lab Number	Page 1 of 1
City: Cinti. State: OH. Zip Code: 45242	Site Contact	Lab Contact: R. Toth	
Project Name and Location (State): EM Science (OH.)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): VOC 8260	Special Instructions/ Conditions of Receipt
DPE02/091504	9/15/04	1017		X							3				X	* Send results
Trip Blank																to Kevin Kallini

JMH 9-15-04

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

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

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

QC Requirements (Specify):

1. Relinquished By: Jason Harris	Date: 9/15/04	Time: 15:30	1. Received By: [signature]	Date: 9/15	Time: 15:30
2. Relinquished By: [signature]	Date: 9/15/04	Time: 15:31	2. Received By: [signature]	Date: 9/16/04	Time: 9:45
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

STL North Canton

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RSR280

Client: 5670

Lot #: A4I160150

Case Number/SDG:

Storage Location: MS

Severn Trent Laboratories, Inc.
Sample Control Record

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
GQCK1	SANDERSA	9/16/04	Yes		Storage	
GQCLA	SANDERSA	9/16/04	Yes		Storage	

STL Cooler Receipt Form/Narrative **Lot Number:** A4J160150
North Canton Facility

Client: Payne Firm Project: EM Science Quote#: 52819
Cooler Received on: 9/16/04 Opened on: 9/16/04 by: [signature] (Signature)

Fedx ☐ Client Drop Off ☐ UPS ☐ DHL ☒ FAS ☐ Other:_____
STL Cooler No# 630 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 2.2 °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 KKT Date: 9-16-04 by: AMS via Voice Mail ☒ Verbal ☐ Other ☐
Concerning: #1

√		

1. CHAIN OF CUSTODY

The following discrepancies occurred:
√ Trip blank is not marked for tests, will log for 8260

2. SAMPLE CONDITION

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

3. SAMPLE PRESERVATION

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

4. Other (see below or back)

Client ID	pH	Date	Initials

SOP: NC-SC-0005, Sample Receiving
N:\QAQC\NARRATIV\STL\Cooler Receipt STL\COOLER_STL_Rev42 081704.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: 4I16150

Lot #: A4I160150

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	DPE02/091504	99	98	107	85	00
02	DPE02/091504 RE-1	105	101	105	84	00
03	TRIP BLANK	103	101	105	83	00
04	METHOD BLK. GQMAE1AA	103	100	104	84	00
05	LCS GQMAE1AC	98	102	110	95	00
06	LCSD GQMAE1AD	100	102	108	95	00

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

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

FORM II

SW846 8260B SURROGATE RECOVERY

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

Lab Code: STLCAN SDG No: 4I16150

Lot #: A4I160150

Extraction: XXI25RI01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	INTRA-LAB QC	101	98	104	83	00
02	LAB MS/MSD D	101	103	105	91	00
03	LAB MS/MSD S	100	102	107	92	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: 4I16150

Lot #: A4I200000 WO #: GQMAE1AC
BATCH: 4264385

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	6.0	60	48 - 123	
Bromomethane	10	4.2	42*	64 - 129	a
Vinyl chloride	10	5.8	58*	61 - 120	a
Chloroethane	10	6.0	60*	66 - 126	a
Methylene chloride	10	9.7	97	78 - 118	
Acetone	10	8.1	81	22 - 200	
Carbon disulfide	10	7.9	79	73 - 139	
1,1-Dichloroethene	10	9.1	91	63 - 130	
1,1-Dichloroethane	10	9.4	94	86 - 123	
1,2-Dichloroethene (total	20	18	92	82 - 116	
Chloroform	10	9.6	96	84 - 128	
1,2-Dichloroethane	10	9.5	95	79 - 136	
2-Butanone	10	9.1	91	28 - 237	
1,1,1-Trichloroethane	10	8.9	89	78 - 140	
Carbon tetrachloride	10	9.4	94	75 - 149	
Bromodichloromethane	10	9.4	94	87 - 130	
1,2-Dichloropropane	10	9.3	93	82 - 115	
cis-1,3-Dichloropropene	10	9.0	90	84 - 130	
Trichloroethene	10	9.7	97	75 - 122	
Dibromochloromethane	10	10	102	81 - 138	
1,1,2-Trichloroethane	10	11	106	83 - 122	
Benzene	10	9.4	94	80 - 116	
trans-1,3-Dichloropropene	10	9.8	98	84 - 130	
Bromoform	10	10	100	76 - 150	
4-Methyl-2-pentanone	10	9.3	93	78 - 141	
2-Hexanone	10	8.5	85	35 - 200	
Tetrachloroethene	10	11	109	88 - 113	
1,1,2,2-Tetrachloroethane	10	12	116	85 - 118	
Toluene	10	11	109	74 - 119	
Chlorobenzene	10	10	102	76 - 117	
Ethylbenzene	10	10	104	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: 4I16150

Lot #: A4I200000 WO #: GQMAE1AC
BATCH: 4264385

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.7	97	85- 117	
Xylenes (total)	30	31	103	87- 116	
cis-1,2-Dichloroethene	10	9.1	91	85- 113	
trans-1,2-Dichloroethene	10	9.2	92	79- 120	
Dichlorodifluoromethane	10	5.9	59*	70- 130	a
Trichlorofluoromethane	10	8.3	83	70- 130	
1,1,2-Trichloro-1,2,2-tri	10	11	109	70- 130	
Methyl acetate	10	9.5	95	70- 130	
Methyl tert-butyl ether (	10	8.9	89	70- 130	
Cyclohexane	10	9.5	95	70- 130	
Methylcyclohexane	10	9.7	97	70- 130	
1,2-Dibromoethane	10	11	106	70- 130	
Isopropylbenzene	10	11	106	70- 130	
1,3-Dichlorobenzene	10	10	102	70- 130	
1,4-Dichlorobenzene	10	10	104	70- 130	
1,2-Dichlorobenzene	10	10	101	70- 130	
1,2-Dibromo-3-chloropropa	10	10	104	70- 130	
1,2,4-Trichlorobenzene	10	8.2	82	70- 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 4 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: 4I16150

Lot #: A4I200000 WO #: GQMAE1AD
BATCH: 4264385

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	5.8	58	48 - 123	
Bromomethane	10	4.9	49*	64 - 129	a
Vinyl chloride	10	6.3	63	61 - 120	
Chloroethane	10	6.0	60*	66 - 126	a
Methylene chloride	10	9.6	96	78 - 118	
Acetone	10	6.4	64	22 - 200	
Carbon disulfide	10	8.0	80	73 - 139	
1,1-Dichloroethene	10	8.8	88	63 - 130	
1,1-Dichloroethane	10	9.2	92	86 - 123	
1,2-Dichloroethene (total	20	18	91	82 - 116	
Chloroform	10	9.4	94	84 - 128	
1,2-Dichloroethane	10	9.5	95	79 - 136	
2-Butanone	10	8.2	82	28 - 237	
1,1,1-Trichloroethane	10	8.9	89	78 - 140	
Carbon tetrachloride	10	9.4	94	75 - 149	
Bromodichloromethane	10	9.4	94	87 - 130	
1,2-Dichloropropane	10	9.3	93	82 - 115	
cis-1,3-Dichloropropene	10	9.0	90	84 - 130	
Trichloroethene	10	9.6	96	75 - 122	
Dibromochloromethane	10	10	104	81 - 138	
1,1,2-Trichloroethane	10	11	105	83 - 122	
Benzene	10	9.2	92	80 - 116	
trans-1,3-Dichloropropene	10	9.5	95	84 - 130	
Bromoform	10	9.4	94	76 - 150	
4-Methyl-2-pentanone	10	9.0	90	78 - 141	
2-Hexanone	10	8.3	83	35 - 200	
Tetrachloroethene	10	10	100	88 - 113	
1,1,2,2-Tetrachloroethane	10	11	112	85 - 118	
Toluene	10	10	103	74 - 119	
Chlorobenzene	10	10	100	76 - 117	
Ethylbenzene	10	10	101	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: 4I16150

Lot #: A4I200000 WO #: GQMAE1AD
BATCH: 4264385

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.5	95	85- 117	
Xylenes (total)	30	29	98	87- 116	
cis-1,2-Dichloroethene	10	9.1	91	85- 113	
trans-1,2-Dichloroethene	10	9.1	91	79- 120	
Dichlorodifluoromethane	10	6.0	60*	70- 130	a
Trichlorofluoromethane	10	7.6	76	70- 130	
1,1,2-Trichloro-1,2,2-tri	10	10	102	70- 130	
Methyl acetate	10	9.1	91	70- 130	
Methyl tert-butyl ether (	10	8.9	89	70- 130	
Cyclohexane	10	9.1	91	70- 130	
Methylcyclohexane	10	9.2	92	70- 130	
1,2-Dibromoethane	10	11	105	70- 130	
Isopropylbenzene	10	10	100	70- 130	
1,3-Dichlorobenzene	10	9.6	96	70- 130	
1,4-Dichlorobenzene	10	10	100	70- 130	
1,2-Dichlorobenzene	10	9.6	96	70- 130	
1,2-Dibromo-3-chloropropa	10	10	100	70- 130	
1,2,4-Trichlorobenzene	10	8.4	84	70- 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC 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: 4I16150

Matrix Spike ID: LAB MS/MSD

Lot #: A4I150202 WO #: GP89D1AC
BATCH: 4264385

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	330	ND	310	92	62 - 130	
Chloromethane	330	ND	190	54	40 - 137	
Bromomethane	330	ND	170	50*	55 - 145	a
Vinyl chloride	330	ND	210	60*	88 - 126	a
Chloroethane	330	ND	200	61	59 - 142	
Methylene chloride	330	ND	320	96	82 - 115	
Acetone	330	36	250	65	45 - 128	
Carbon disulfide	330	ND	270	80	69 - 138	
1,1-Dichloroethane	330	ND	310	92	88 - 127	
1,2-Dichloroethene (total	670	110	740	94	86 - 115	
Chloroform	330	ND	320	95	83 - 141	
1,2-Dichloroethane	330	ND	320	96	71 - 160	
2-Butanone	330	38	310	82	71 - 123	
1,1,1-Trichloroethane	330	ND	300	89	71 - 162	
Carbon tetrachloride	330	ND	310	94	63 - 176	
Bromodichloromethane	330	ND	320	95	80 - 146	
1,2-Dichloropropane	330	ND	300	91	87 - 114	
cis-1,3-Dichloropropene	330	ND	290	87	82 - 130	
Trichloroethene	330	160	490	98	62 - 130	
Dibromochloromethane	330	ND	340	102	71 - 158	
1,1,2-Trichloroethane	330	ND	350	104	86 - 129	
Benzene	330	ND	310	92	78 - 118	
trans-1,3-Dichloropropene	330	ND	300	91	73 - 147	
Bromoform	330	ND	320	96	58 - 176	
4-Methyl-2-pentanone	330	ND	310	93	82 - 135	
2-Hexanone	330	ND	290	86	81 - 128	
Tetrachloroethene	330	800	1200	106	85 - 121	
1,1,2,2-Tetrachloroethane	330	ND	380	113	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: 4I16150

Matrix Spike ID: LAB MS/MSD

Lot #: A4I150202 WO #: GP89D1AC
BATCH: 4264385

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Toluene	330	ND	340	102	70 - 119	
Chlorobenzene	330	ND	330	98	76 - 117	
Ethylbenzene	330	ND	330	100	86 - 132	
Styrene	330	ND	310	94	83 - 120	
Xylenes (total)	1000	ND	980	98	89 - 121	
cis-1,2-Dichloroethene	330	110	430	96	87 - 114	
trans-1,2-Dichloroethene	330	ND	310	92	85 - 116	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

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

RPD: 0 out of 0 outside limits
Spike Recovery: 2 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4I16150

Matrix Spike ID: LAB MS/MSD

Lot #: A4I150202 WO #: GP89D1AD
BATCH: 4264385

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	330	290	87	5.0	20	62 - 130	
Chloromethane	330	190	55	0.54	39	40 - 137	
Bromomethane	330	180	53*	5.1	30	55 - 145	a
Vinyl chloride	330	200	59*	2.8	30	88 - 126	a
Chloroethane	330	210	62	1.4	30	59 - 142	
Methylene chloride	330	320	95	1.6	30	82 - 115	
Acetone	330	250	65	0.65	30	45 - 128	
Carbon disulfide	330	270	80	0.77	41	69 - 138	
1,1-Dichloroethane	330	310	92	0.42	30	88 - 127	
1,2-Dichloroethene (total	670	730	93	0.93	30	86 - 115	
Chloroform	330	310	94	1.8	30	83 - 141	
1,2-Dichloroethane	330	320	96	0.31	30	71 - 160	
2-Butanone	330	300	78	5.0	30	71 - 123	
1,1,1-Trichloroethane	330	300	90	1.1	30	71 - 162	
Carbon tetrachloride	330	320	95	0.51	30	63 - 176	
Bromodichloromethane	330	310	93	2.0	30	80 - 146	
1,2-Dichloropropane	330	300	89	1.9	30	87 - 114	
cis-1,3-Dichloropropene	330	290	87	0.52	30	82 - 130	
Trichloroethene	330	490	98	0.36	20	62 - 130	
Dibromochloromethane	330	330	98	3.6	30	71 - 158	
1,1,2-Trichloroethane	330	340	102	1.3	30	86 - 129	
Benzene	330	300	91	0.83	20	78 - 118	
trans-1,3-Dichloropropene	330	310	92	0.90	30	73 - 147	
Bromoform	330	320	95	0.63	30	58 - 176	
4-Methyl-2-pentanone	330	300	89	3.9	30	82 - 135	
2-Hexanone	330	280	83	3.8	30	81 - 128	
Tetrachloroethene	330	1100	97	2.8	30	85 - 121	
1,1,2,2-Tetrachloroethane	330	360	108	4.0	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: 4I16150

Matrix Spike ID: LAB MS/MSD

Lot #: A4I150202 WO #: GP89D1AD
BATCH: 4264385

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Toluene	330	340	102	0.67	20	70 - 119	
Chlorobenzene	330	330	98	0.16	20	76 - 117	
Ethylbenzene	330	340	101	0.090	30	86 - 132	
Styrene	330	320	95	0.76	30	83 - 120	
Xylenes (total)	1000	980	98	0.10	30	89 - 121	
cis-1,2-Dichloroethene	330	420	94	1.1	30	87 - 114	
trans-1,2-Dichloroethene	330	300	91	0.66	30	85 - 116	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

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

RPD: 0 out of 35 outside limits
Spike Recovery: 2 out of 35 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

GQMAE1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4I16150

Lab File ID: UXJ23993.

Lot Number: A4I160150

Date Analyzed: 09/20/04

Time Analyzed: 13:39

Matrix: WATER

Date Extracted:09/20/04

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX11

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	INTRA-LAB QC	GP89D1AA	UXJ24004.	09/20/04	17:54
02	LAB MS/MSD	GP89D1AC S	UXJ24005.	09/20/04	18:17
03	LAB MS/MSD	GP89D1AD D	UXJ24006.	09/20/04	18:39
04	DPE02/091504	GQCK11AA	UXJ23995.	09/20/04	14:31
05	DPE02/091504	GQCK12AA	UXJ24001.	09/20/04	16:46
06	TRIP BLANK	GQCLA1AA	UXJ23996.	09/20/04	14:53
07	CHECK SAMPLE	GQMAE1AC C	UXJ23991.	09/20/04	12:53
08	DUPLICATE CHECK	GQMAE1AD L	UXJ23992.	09/20/04	13:16
09					
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30					

COMMENTS:

FORM IV

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4I16150

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

Instrument ID: A3UX11 BFB Injection Time: 1309

GC Column: DB624 20M ID: 0.18 (mm)

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

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

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

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4I16150

Lab File ID: BFB232 BFB Injection Date: 09/14/04

Instrument ID: A3UX11 BFB Injection Time: 1321

GC Column: DB624 20M ID: 0.18 (mm)

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	51.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.2 (0.3)1
174	50.0 - 100.0% of mass 95	74.6
175	5.0 - 9.0% of mass 174	5.6 (7.5)1
176	95.0 - 101.0% of mass 174	74.5 (99.9)1
177	5.0 - 9.0% of mass 176	5.2 (6.9)2

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

THIS CHECK 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	UXJ23870	09/14/04	1348
02	VSTD020	100NG-IC	UXJ23871	09/14/04	1410
03	VSTD010	50NG-IC	UXJ23872	09/14/04	1433
04	VSTD005	25NG-IC	UXJ23873	09/14/04	1457
05	VSTD002	10NG-IC	UXJ23874	09/14/04	1519
06	VSTD001	5NG-IC	UXJ23875	09/14/04	1541
07					
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22					

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4I16150

Lab File ID: BFB236 BFB Injection Date: 09/20/04

Instrument ID: A3UX11 BFB Injection Time: 1118

GC Column: DB624 20M ID: 0.18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.9
75	30.0 - 60.0% of mass 95	50.3
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	0.3 (0.5)1
174	50.0 - 100.0% of mass 95	69.4
175	5.0 - 9.0% of mass 174	4.6 (6.6)1
176	95.0 - 101.0% of mass 174	69.2 (99.7)1
177	5.0 - 9.0% of mass 176	4.2 (6.1)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-CC	UXJ23989	09/20/04	1146
02	VSTD010	50NG-A9CC	UXJ23990	09/20/04	1230
03	GQMAE-CHK	GQMAE1AC	UXJ23991	09/20/04	1253
04	GQMAE-CKDUP	GQMAE1AD	UXJ23992	09/20/04	1316
05	GQMAE-BLK	GQMAE1AA	UXJ23993	09/20/04	1339
06	DPE02/091504	GQCK11AA	UXJ23995	09/20/04	1431
07	TRIP BLANK	GQCLA1AA	UXJ23996	09/20/04	1453
08	DPE02/091504	GQCK12AA	UXJ24001	09/20/04	1646
09					
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15					
16					
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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4I16150

EPA Sample No. (VSTD050##): VSTD010 Date Analyzed: 09/20/04

Lab File ID (Standard): UXJ23989 Time Analyzed: 1146

Instrument ID: A3UX11 Heated Purge: (Y/N) N

GC Column: DB624 ID:0.18(mm)

		IS1(CBZ) AREA #	RT #	IS2 AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	1734613	7.68	2548166	5.04	829021	9.90
	UPPER LIMIT	3469226	8.18	5096332	5.54	1658042	10.40
	LOWER LIMIT	867307	7.18	1274083	4.54	414511	9.40
	EPA SAMPLE						
01	GQMAE-CHK	1703828	7.68	2437622	5.04	751456	9.90
02	GQMAE-CKDUP	1701948	7.68	2393122	5.04	765302	9.90
03	GQMAE-BLK	1657184	7.68	2307731	5.04	706977	9.90
04	DPE02/091504	1691632	7.68	2411786	5.04	721225	9.90
05	TRIP BLANK	1651263	7.68	2306750	5.04	703486	9.90
06	DPE02/091504	1593594	7.68	2243726	5.04	694646	9.90
07							
08							
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17							
18							
19							
20							
21							
22							

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

SEVERN TRENT STL

SAMPLE DATA

PAYNE FIRM INC.

Client Sample ID: DPE02/091504

GC/MS Volatiles

Lot-Sample #...: A4I160150-001 **Work Order #...:** GQCK11AA **Matrix.....:** WG
Date Sampled...: 09/15/04 10:17 **Date Received..:** 09/16/04
Prep Date.....: 09/20/04 **Analysis Date..:** 09/20/04
Prep Batch #...: 4264385
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	**2.9**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	**0.49 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	**0.84 J**	**1.0**	**ug/L**
Chloroform	ND	1.0	ug/L
Chloromethane	**0.20 J,B**	**1.0**	**ug/L**
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	**0.35 J**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	**26000 E**	**50**	**ug/L**
Ethylbenzene	**0.26 J**	**1.0**	**ug/L**
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DPE02/091504

GC/MS Volatiles

Lot-Sample #...: A4I160150-001 **Work Order #...:** GQCK11AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.65 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	**0.67 J**	**2.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
Toluene-d8	107	(76 - 110)
4-Bromofluorobenzene	85	(74 - 116)

NOTE(S):

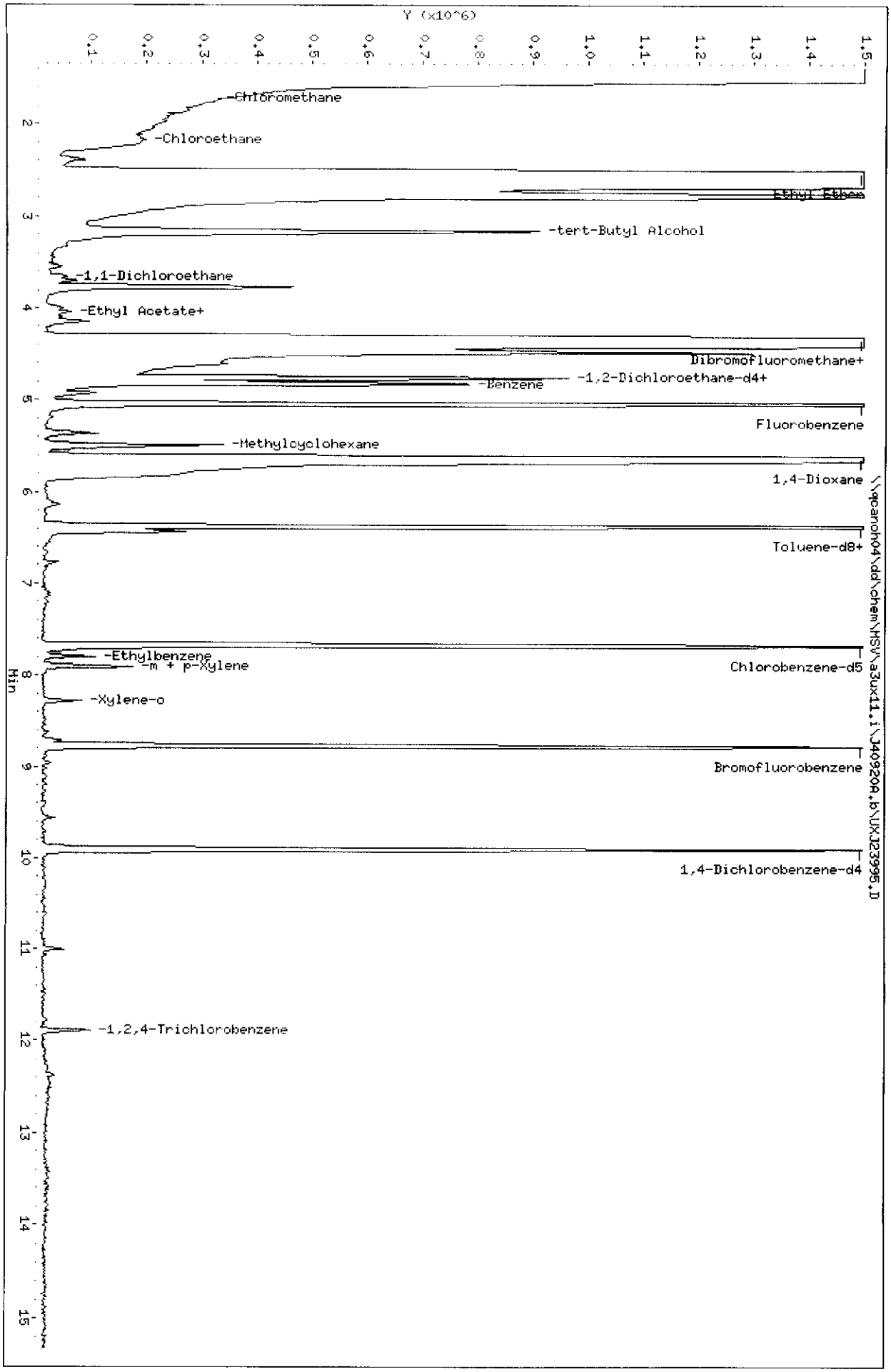
J Estimated result. Result is less than RL.

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

E Estimated result. Result concentration exceeds the calibration range.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23995.D
Date : 20-SEP-2004 14:31
Client ID: DPE02/091504
Sample Info: GQCK11AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23995.D
Report Date: 21-Sep-2004 09:02

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23995.D
Lab Smp Id: GQCK11AA Client Smp ID: DPE02/091504
Inj Date : 20-SEP-2004 14:31
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GQCK11AA,5ML/5ML
Misc Info : J40920A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40920A.b\8260LLUX11.m
Meth Date : 21-Sep-2004 08:58 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.041	5.041	(2.000)	2411786	50.0000	
* 2 Chlorobenzene-d5	117	7.680	7.680	(1.000)	1691632	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904	(1.000)	721225	50.0000	
$ 4 Dibromofluoromethane	113	4.485	4.485	(0.890)	554978	49.4236	9.885
$ 5 1,2-Dichloroethane-d4	65	4.757	4.757	(0.944)	756578	48.9988	9.800
$ 6 Toluene-d8	98	6.378	6.378	(0.831)	2175038	53.5200	10.704
$ 7 Bromofluorobenzene	95	8.780	8.780	(1.143)	737287	42.6980	8.540
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.716	1.692	(0.340)	22635	1.00544	0.2011
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	2.166	2.154	(0.430)	47348	4.18363	0.8367
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23995.D
Report Date: 21-Sep-2004 09:02

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2 Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.645	3.645	(0.723)	40754	1.74605	0.3492
	29 tert Butyl Alcohol	59	3.160	3.160	(0.627)	1558055	1660.90	332.18(A)
	30 2-Butanone	43	4.094	4.094	(0.812)	16119	2.44010	0.4880(H)
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	4.319	4.343	(0.857)	39513221	73064.3	14613(A)
	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	4.828	4.816	(0.958)	807222	14.5375	2.908
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.633	5.633	(1.117)	15377458	130972.	26194(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.437	6.437	(0.838)	165014	3.26623	0.6532
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.798	7.798	(1.015)	21627	1.30918	0.2618
	62 m + p-Xylene	106	7.905	7.905	(1.029)	48615	2.28489	0.4570
M	63 Xylenes (total)	106				71353	3.37348	0.6747
	64 Xylene-o	106	8.283	8.283	(1.079)	22738	1.08859	0.2177
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23995.D
Report Date: 21-Sep-2004 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2 Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3 Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4 Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.892	11.892	(1.201)	29916	3.59130	0.7182
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	2.509	2.532	(0.498)	58763300	4941.34	988.27(A)
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro 1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	4.142	4.142	(0.822)	127338	10.7715	2.154
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.580	4.580	(0.908)	24351	1.37243	0.2745
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.526	5.526	(1.096)	17654	1.18569	0.2371
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23995.D

Date : 20-SEP-2004 14:31

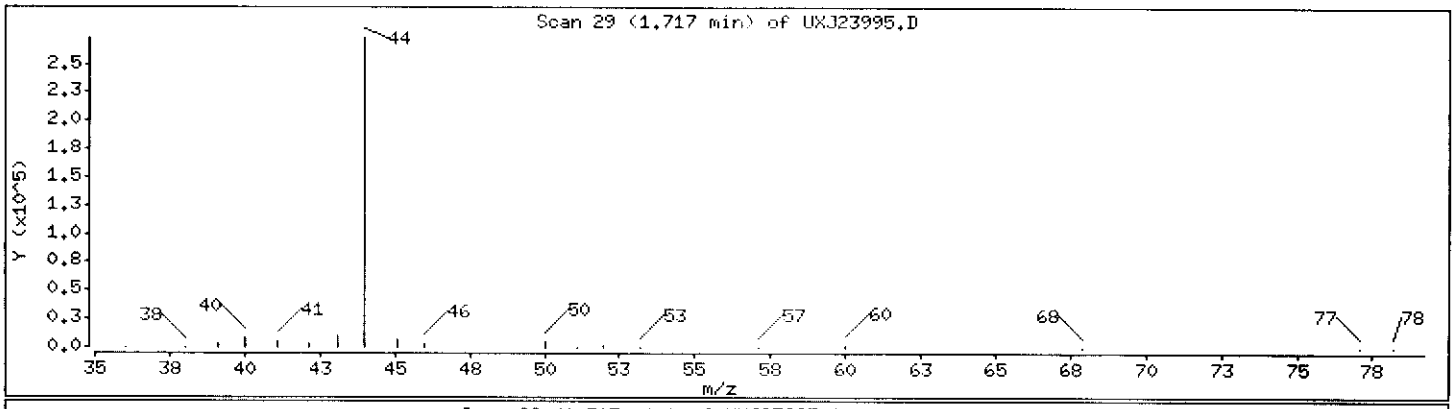
Client ID: DPE02/091504 Instrument: a3ux11.i

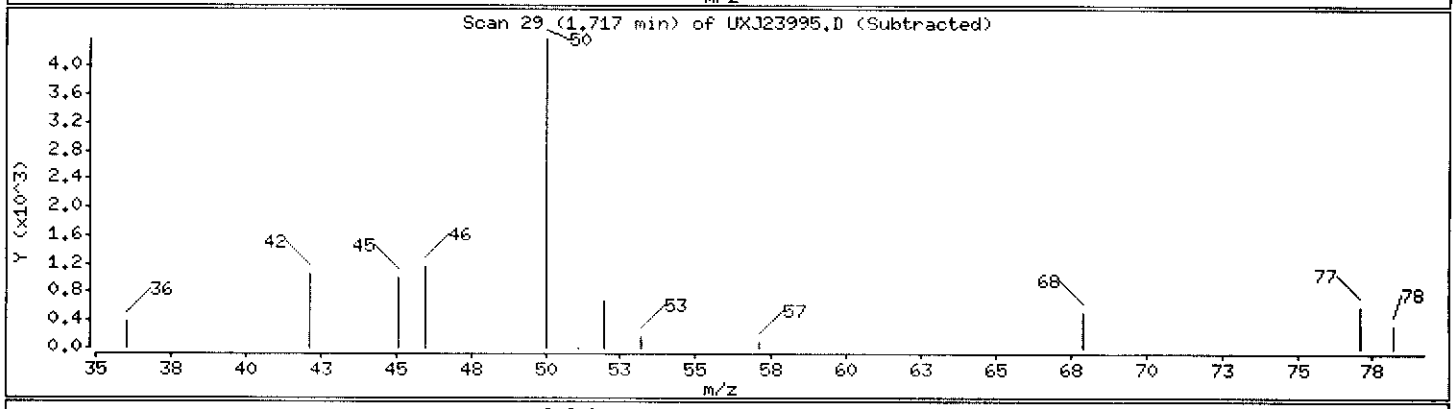
Sample Info: GQCK11AA,5ML/5ML

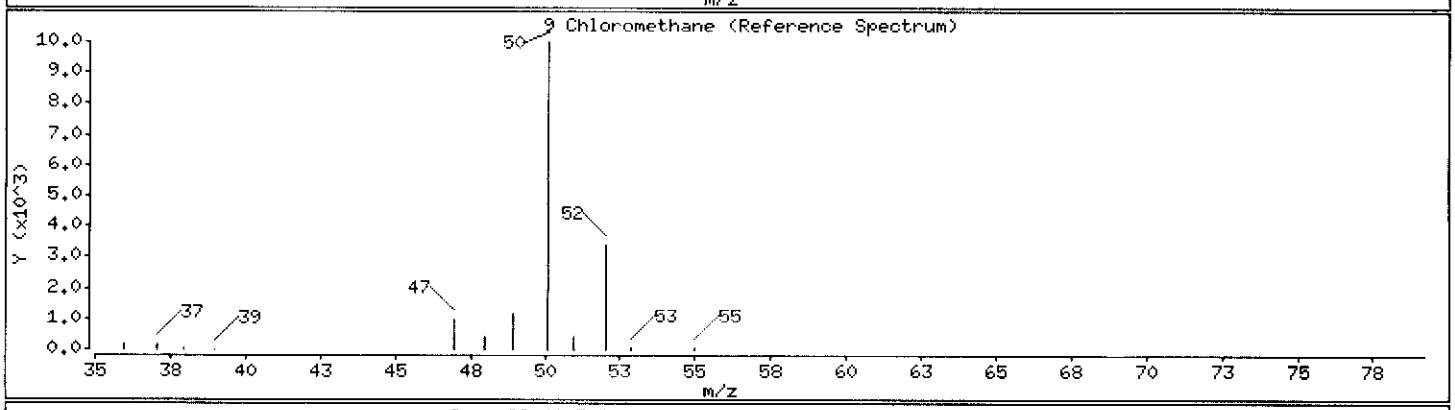
Purge Volume: 5.0 Operator: 43582

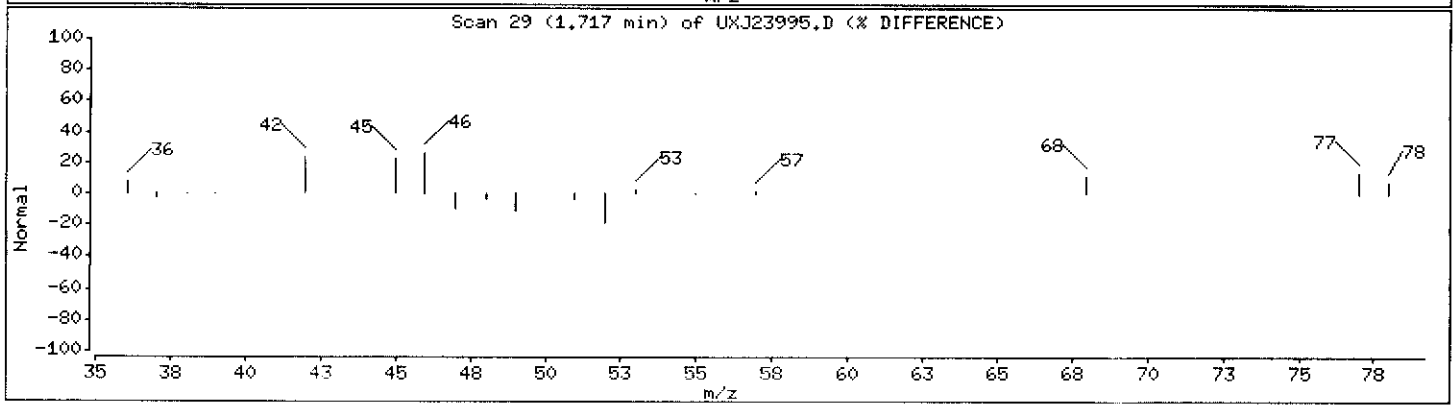
Column phase: DB624 Column diameter: 0.18

9 Chloromethane Concentration: 0.2011 ug/L









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Date : 20-SEP-2004 14:31

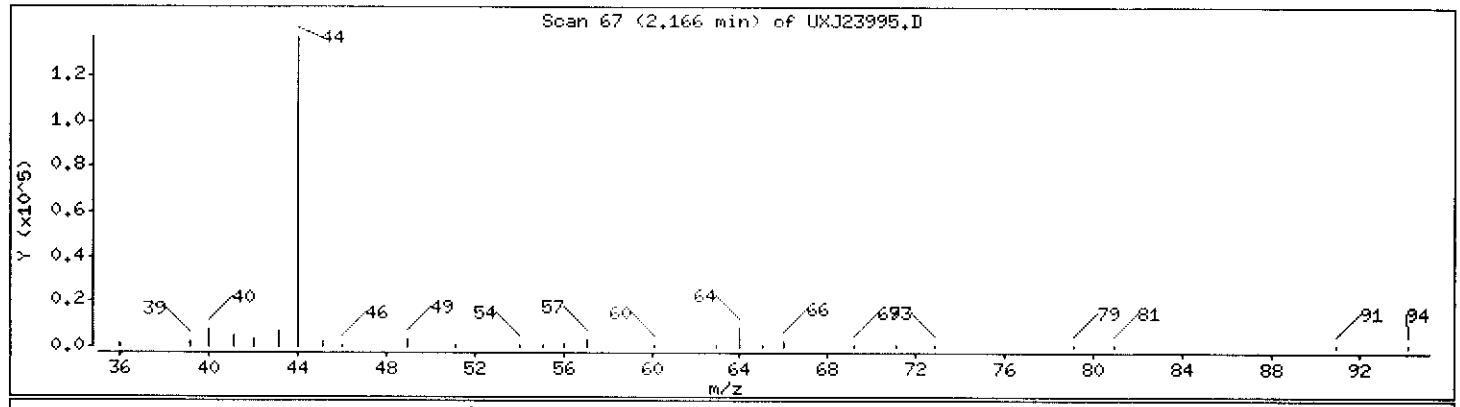
Client ID: DPE02/091504 Instrument: a3ux11.i

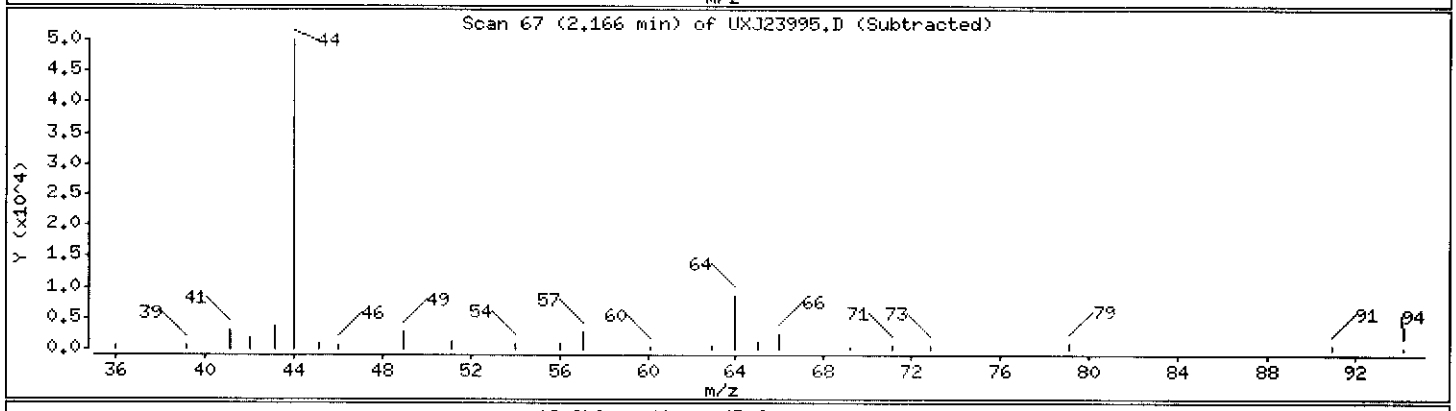
Sample Info: GQCK11AA,5ML/5ML

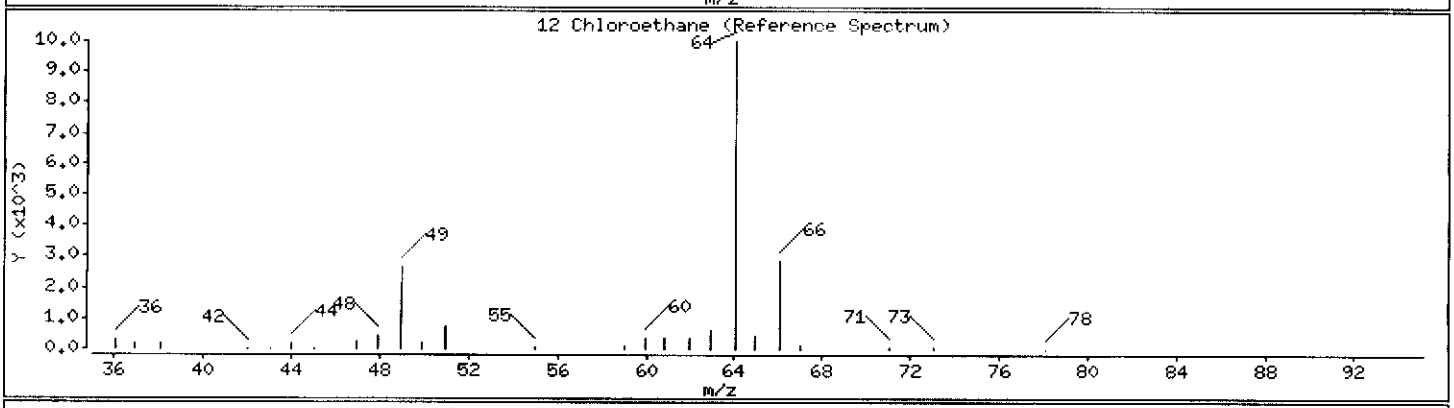
Purge Volume: 5.0 Operator: 43582

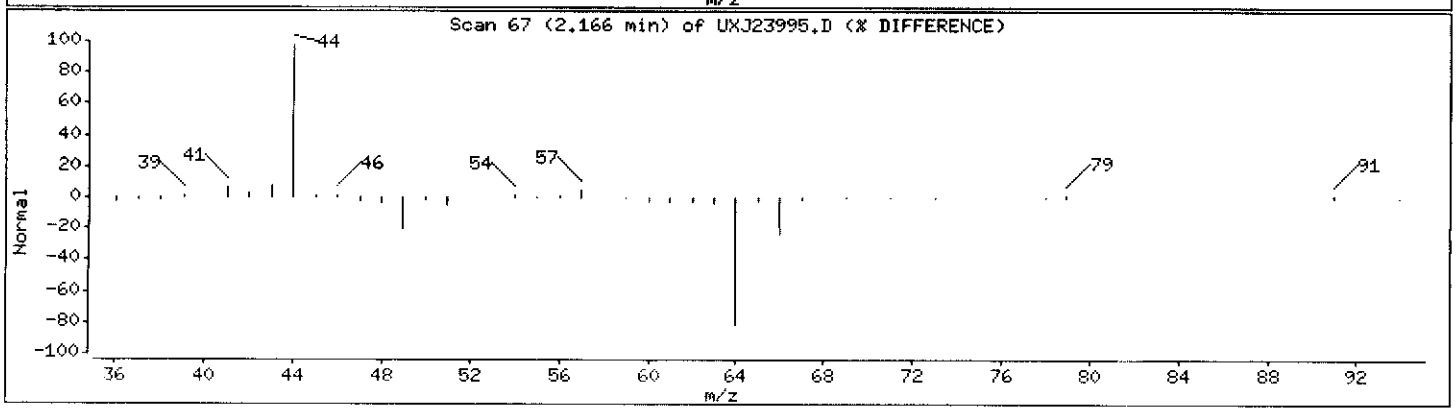
Column phase: DB624 Column diameter: 0.18

12 Chloroethane Concentration: 0.8367 ug/L









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Date : 20-SEP-2004 14:31

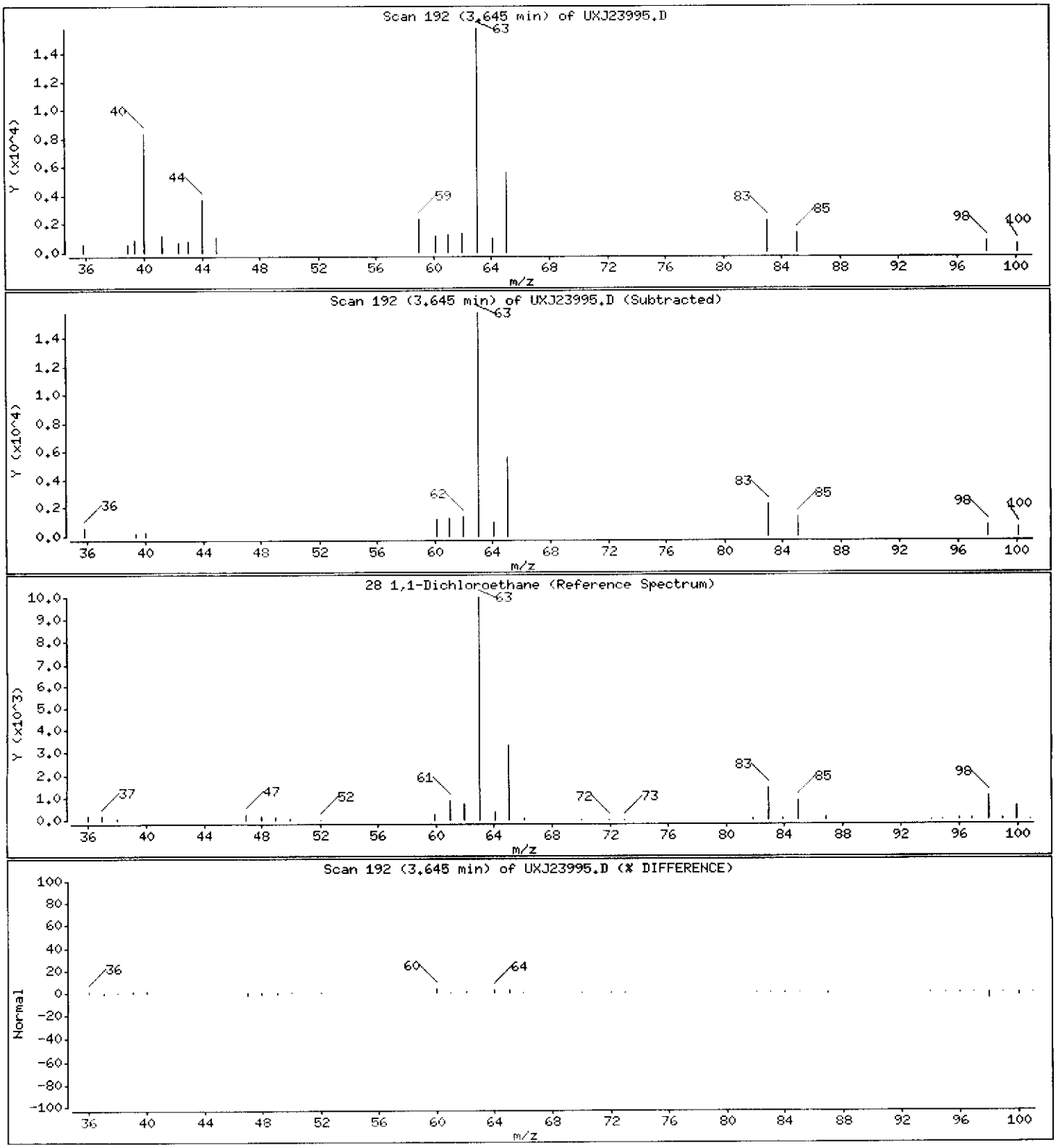
Client ID: DPE02/091504 Instrument: a3ux11.i

Sample Info: GQCK11AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 0.3492 ug/L



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Date : 20-SEP-2004 14:31

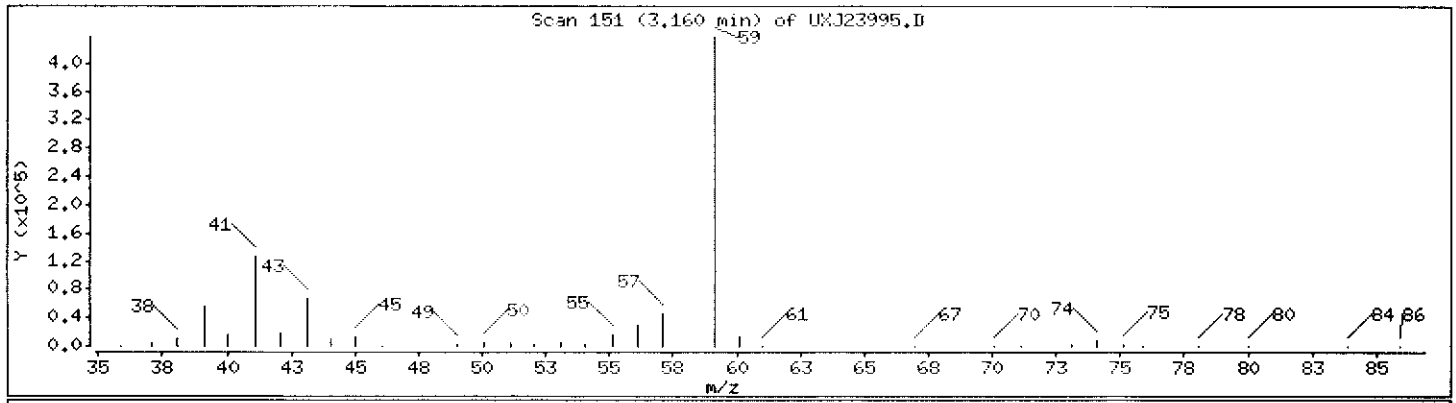
Client ID: DPE02/091504 Instrument: a3ux11.i

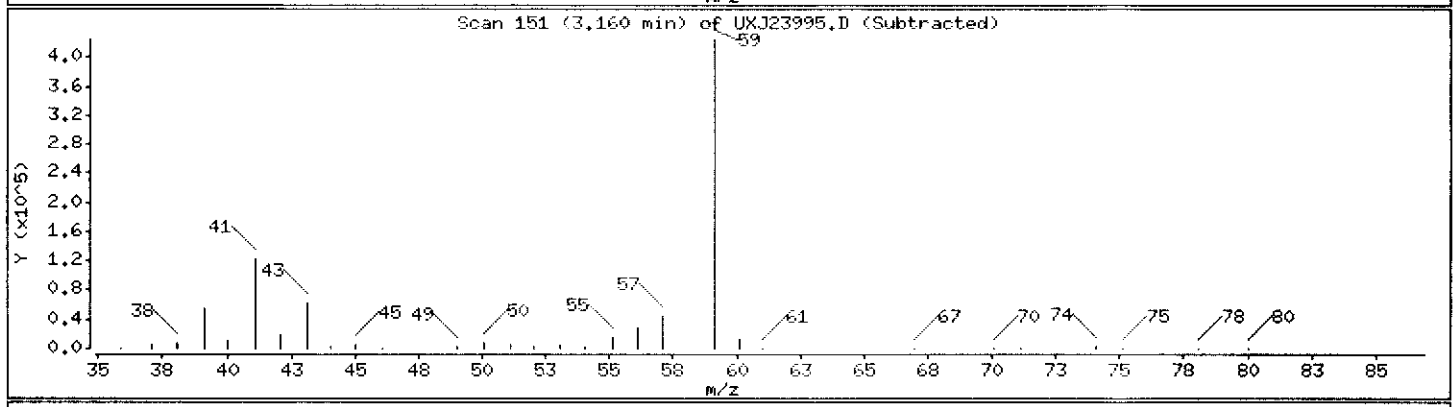
Sample Info: GQCK11AA,5ML/5ML

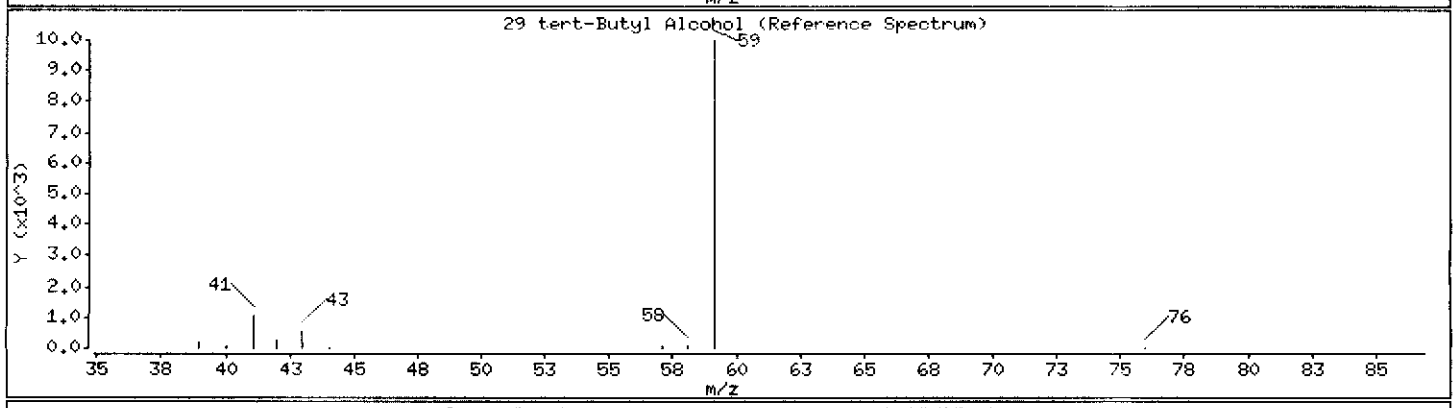
Purge Volume: 5.0 Operator: 43582

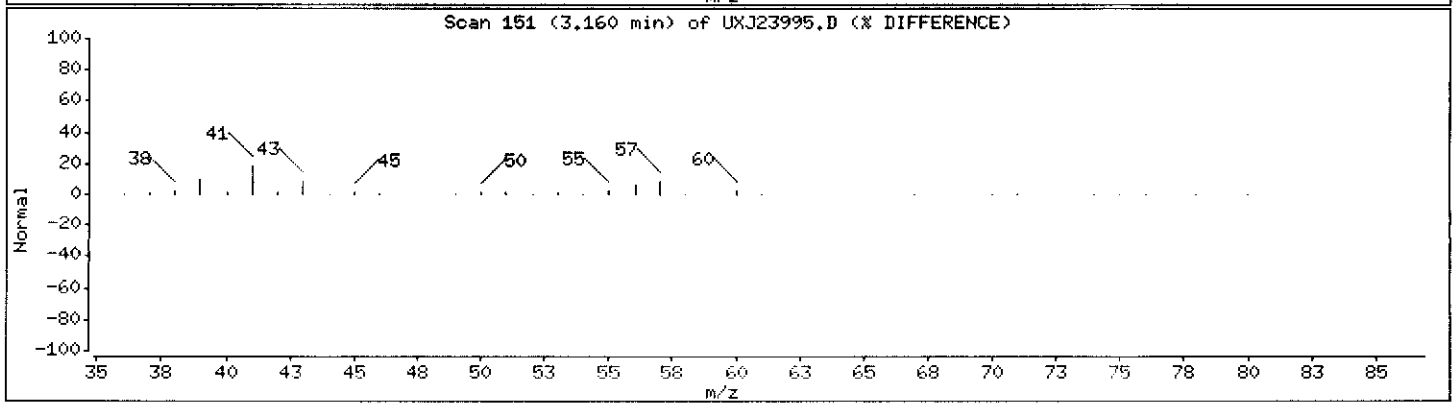
Column phase: DB624 Column diameter: 0.18

29 tert-Butyl Alcohol Concentration: 332.18 ug/L









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Date : 20-SEP-2004 14:31

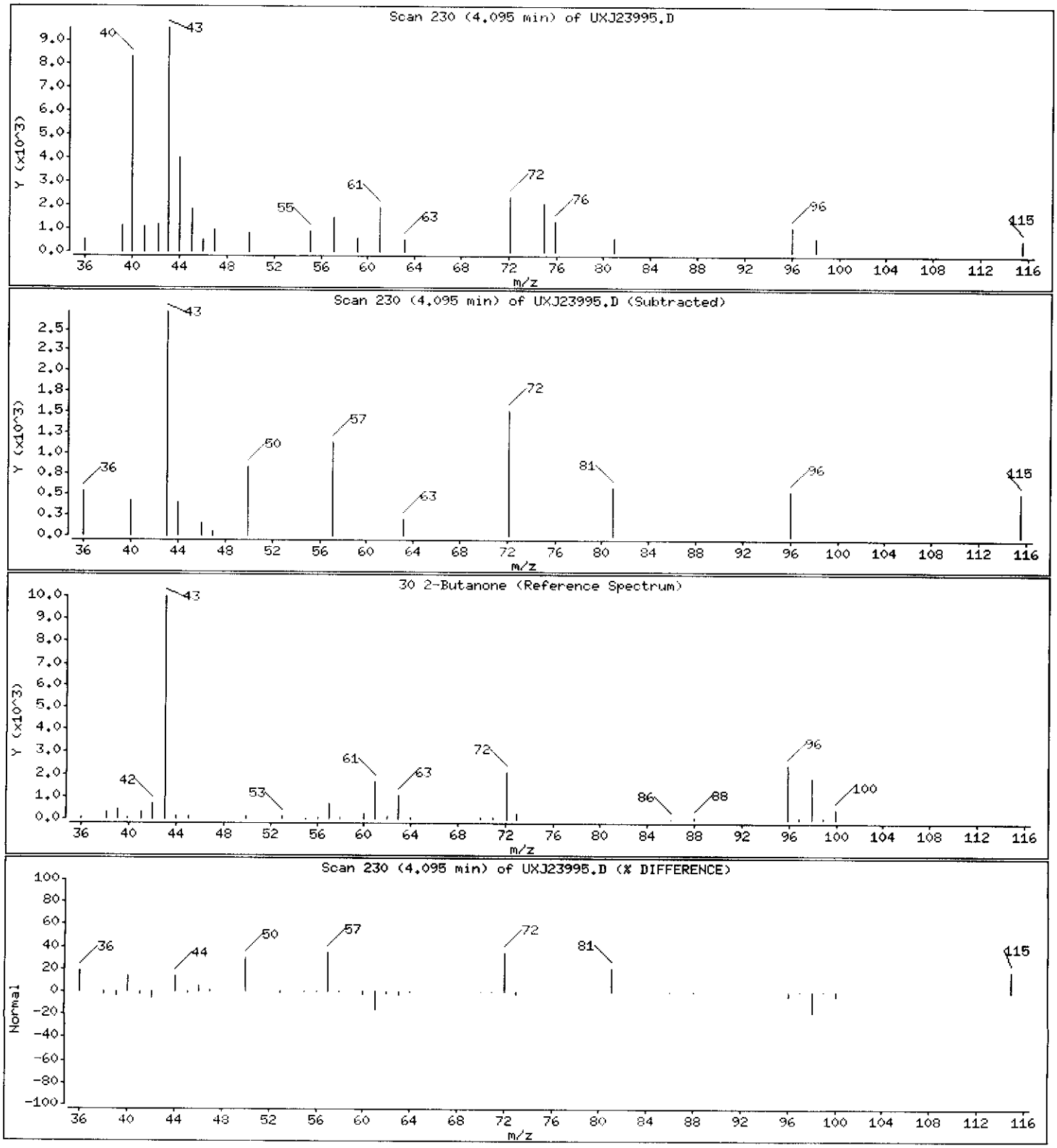
Client ID: DPE02/091504 Instrument: a3ux11.i

Sample Info: GQCK11AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

30 2-Butanone Concentration: 0.4880 ug/L



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Date : 20-SEP-2004 14:31

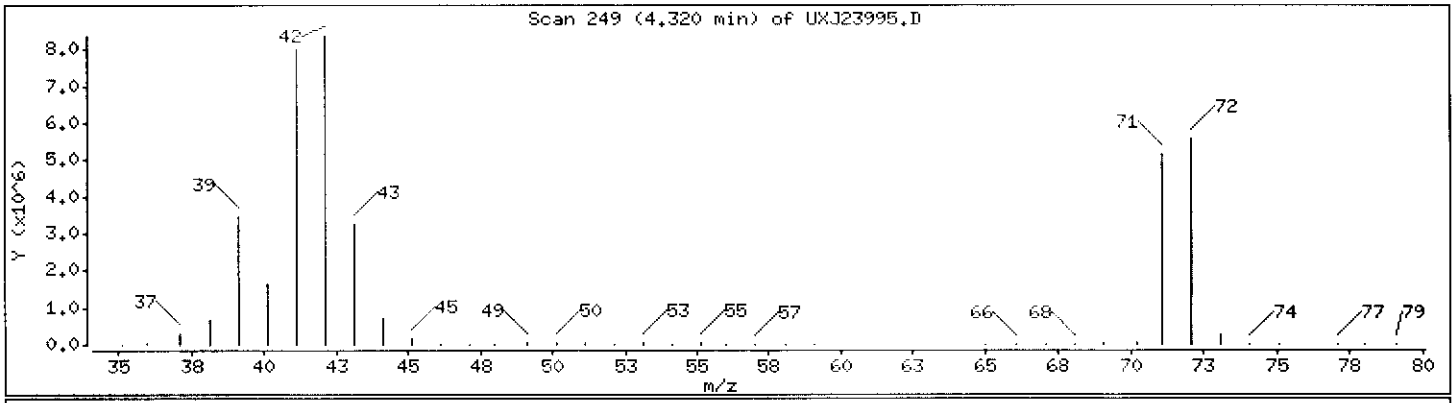
Client ID: DPE02/091504 Instrument: a3ux11.i

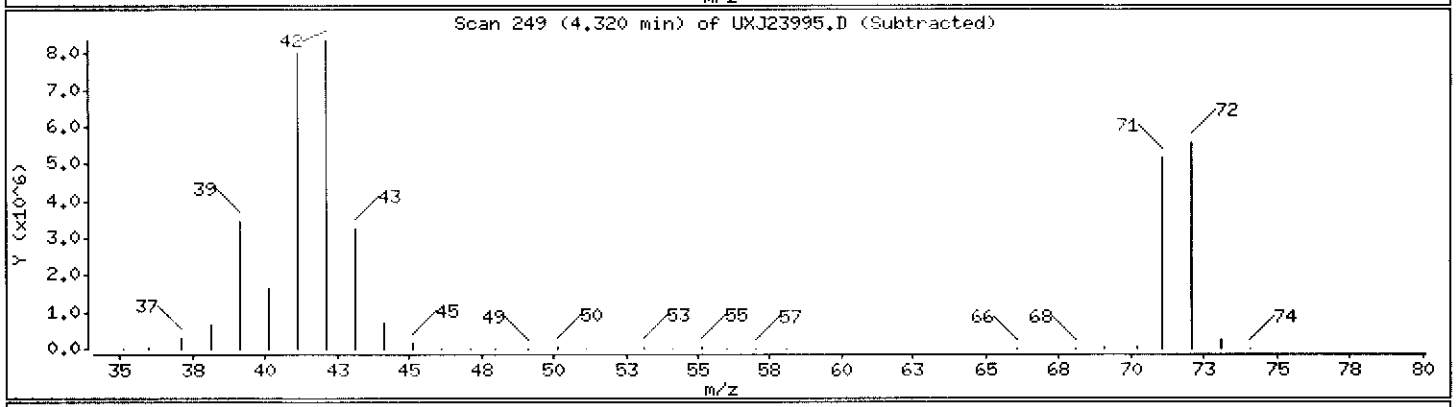
Sample Info: GQCK11AA,5ML/5ML

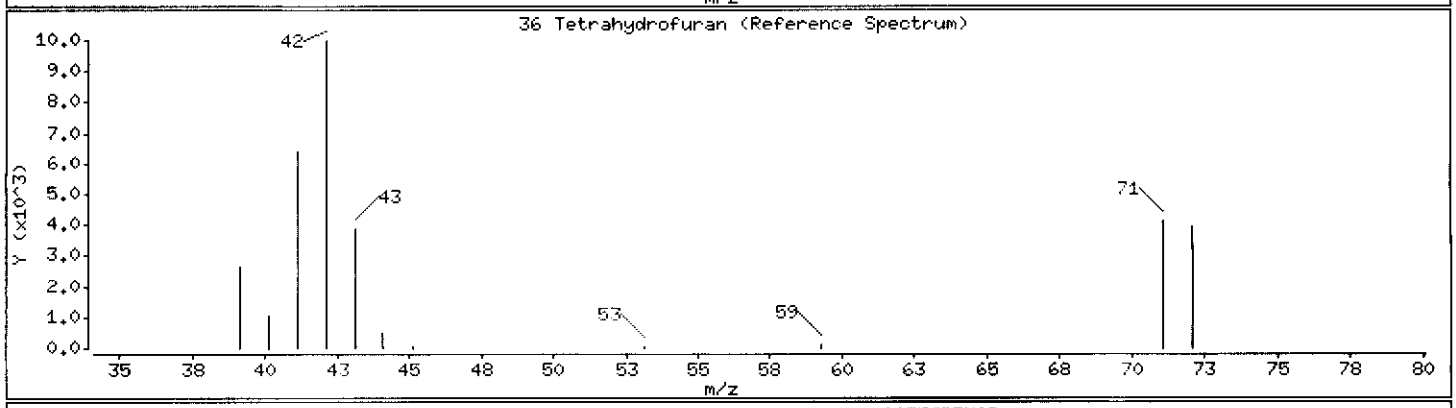
Purge Volume: 5.0 Operator: 43582

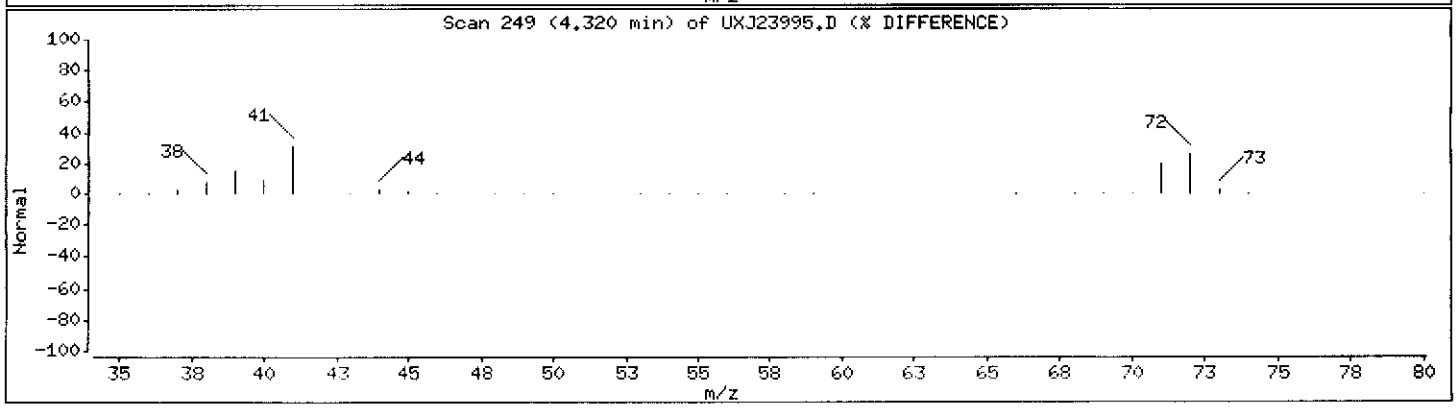
Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 14613 ug/L









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Date : 20-SEP-2004 14:31

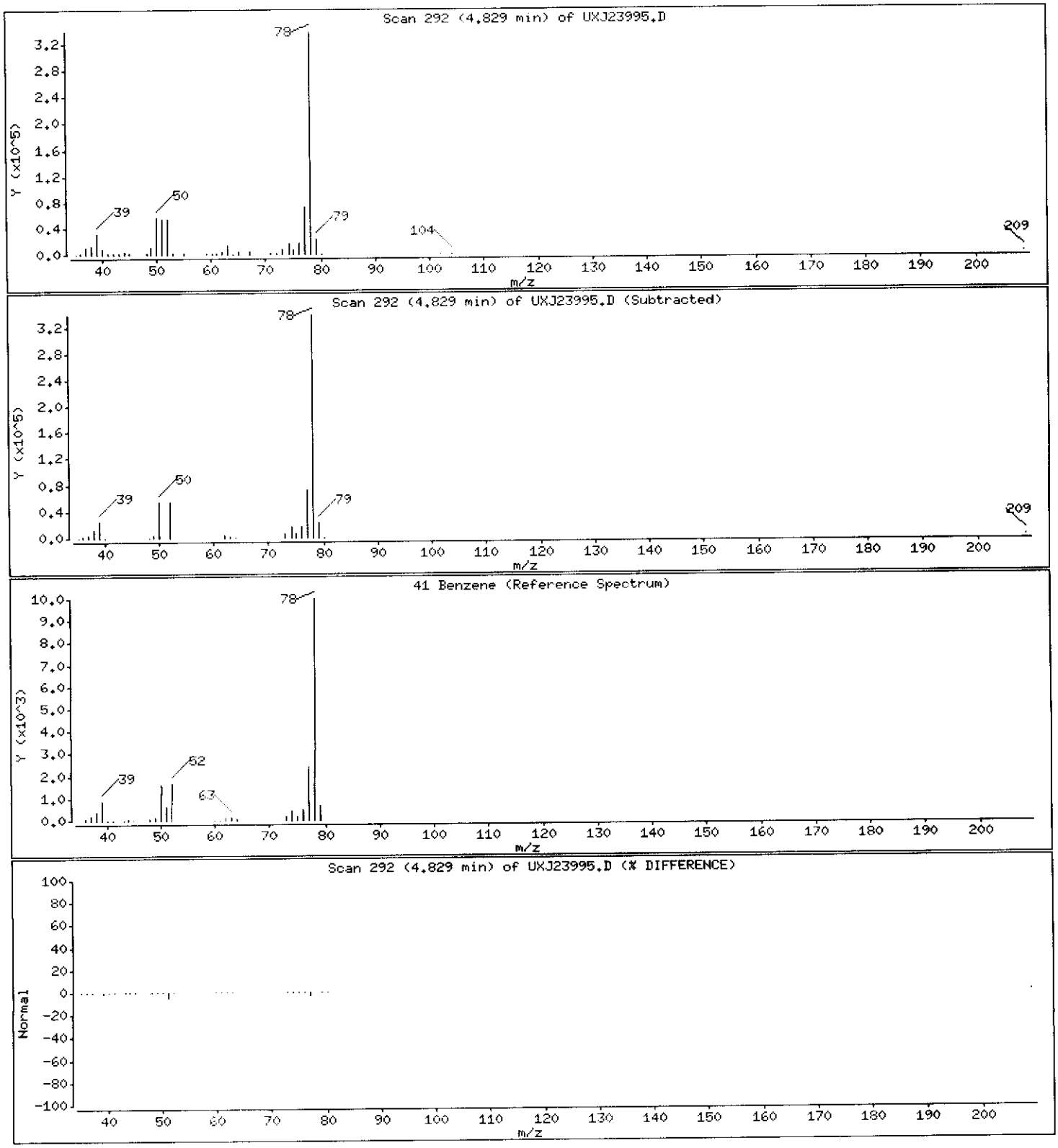
Client ID: DPE02/091504 Instrument: a3ux11.i

Sample Info: GQCK11AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 2.908 ug/L



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Date : 20-SEP-2004 14:31

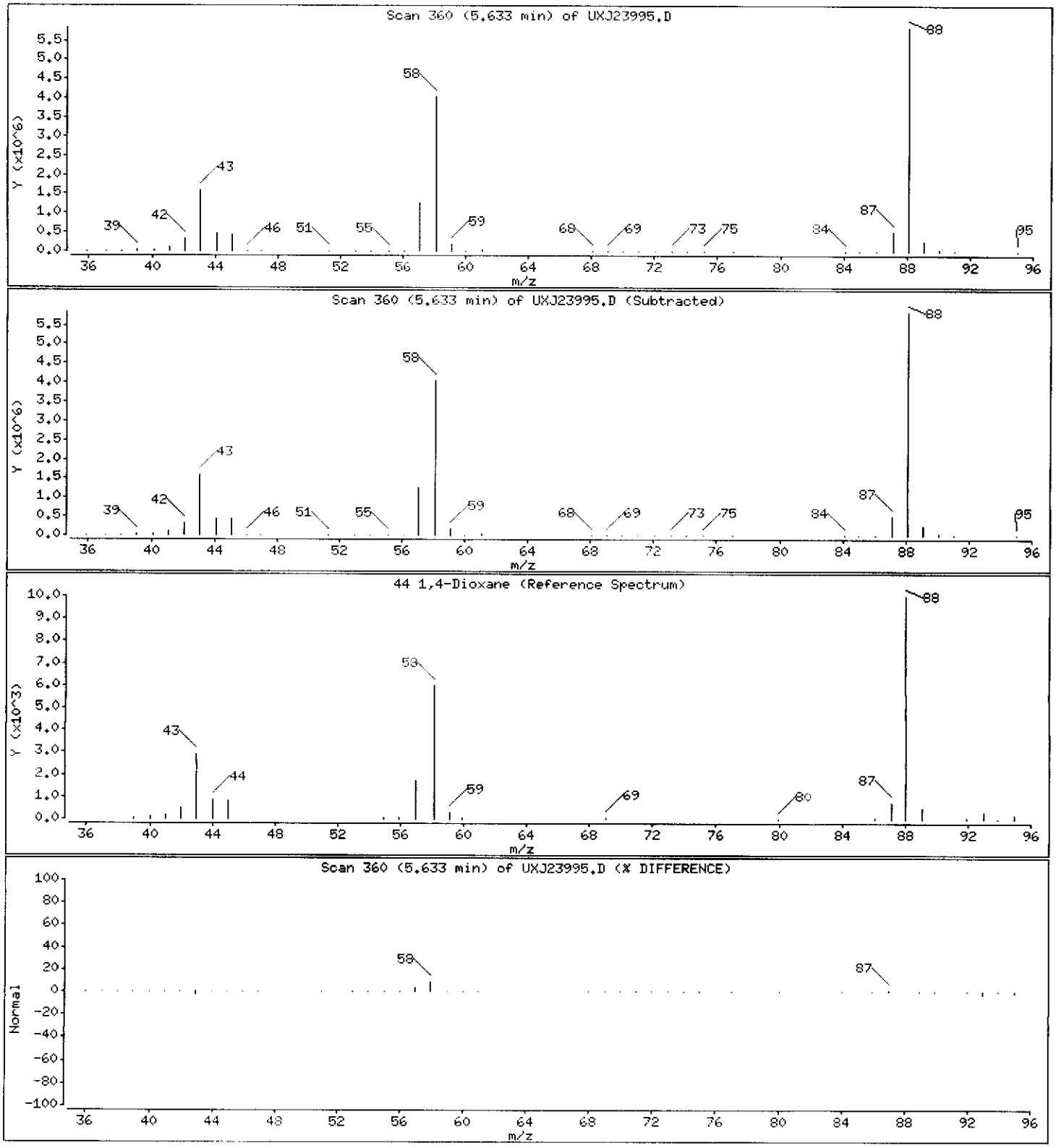
Client ID: DPE02/091504 Instrument: a3ux11.i

Sample Info: GQCK11AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 26194 ug/L



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Date : 20-SEP-2004 14:31

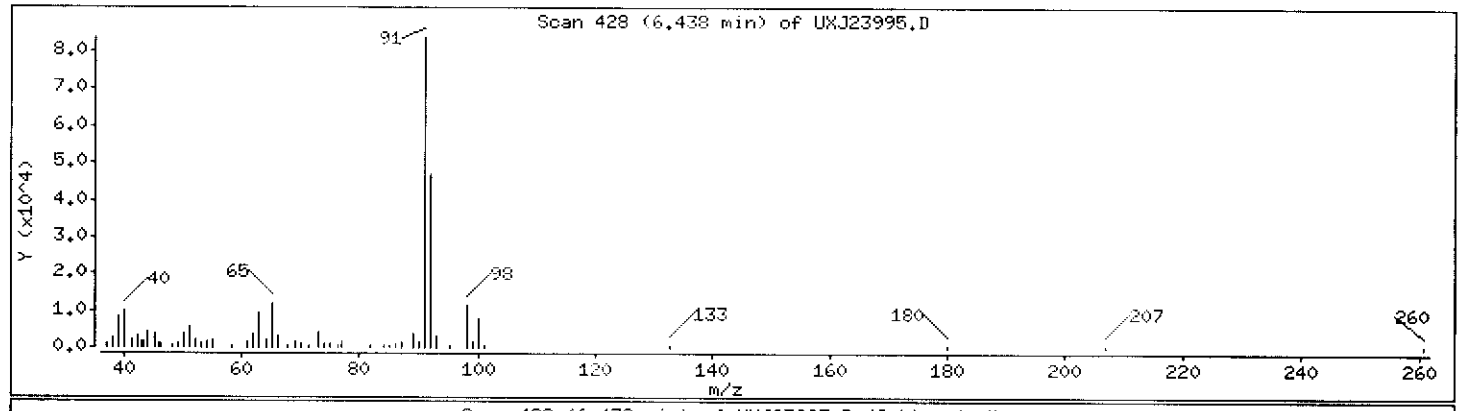
Client ID: DPE02/091504 Instrument: a3ux11.i

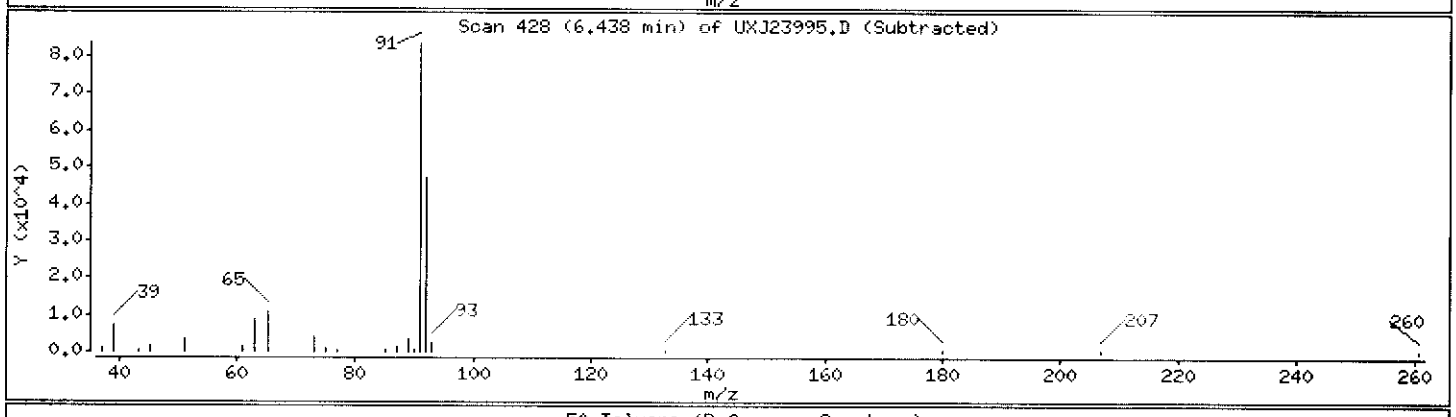
Sample Info: GQCK11AA,5ML/5ML

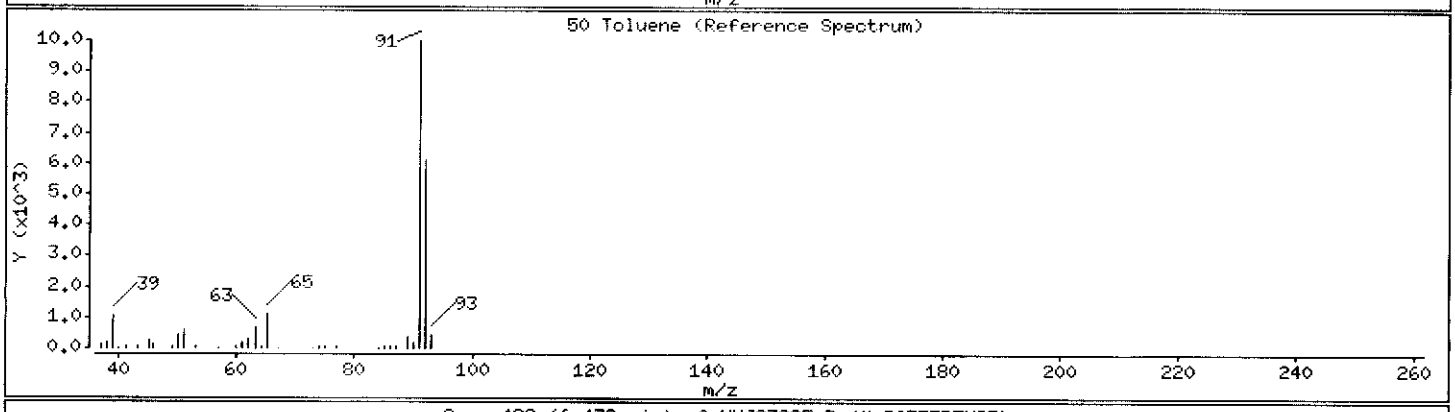
Purge Volume: 5.0 Operator: 43582

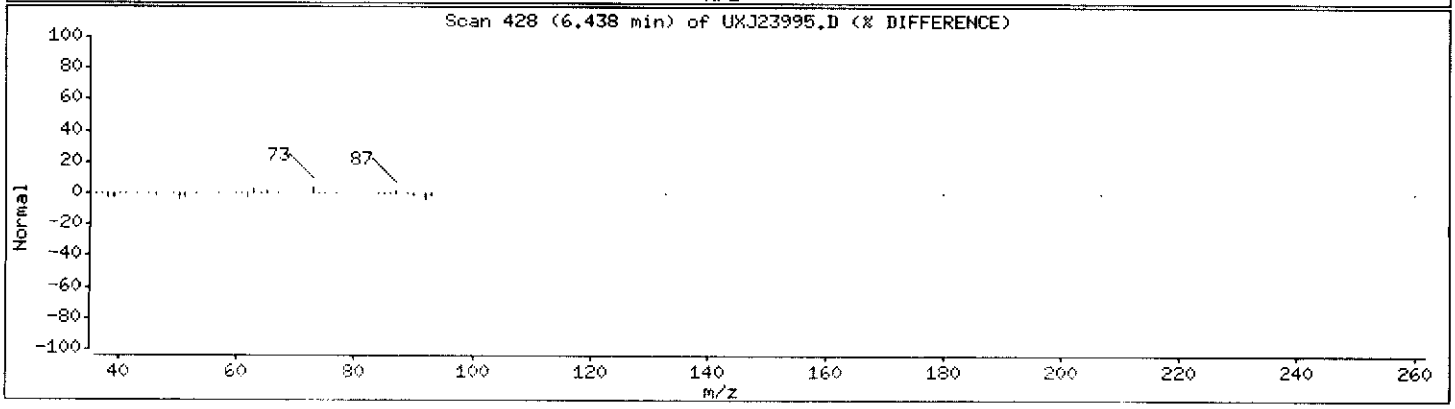
Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.6532 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23995.D

Date : 20-SEP-2004 14:31

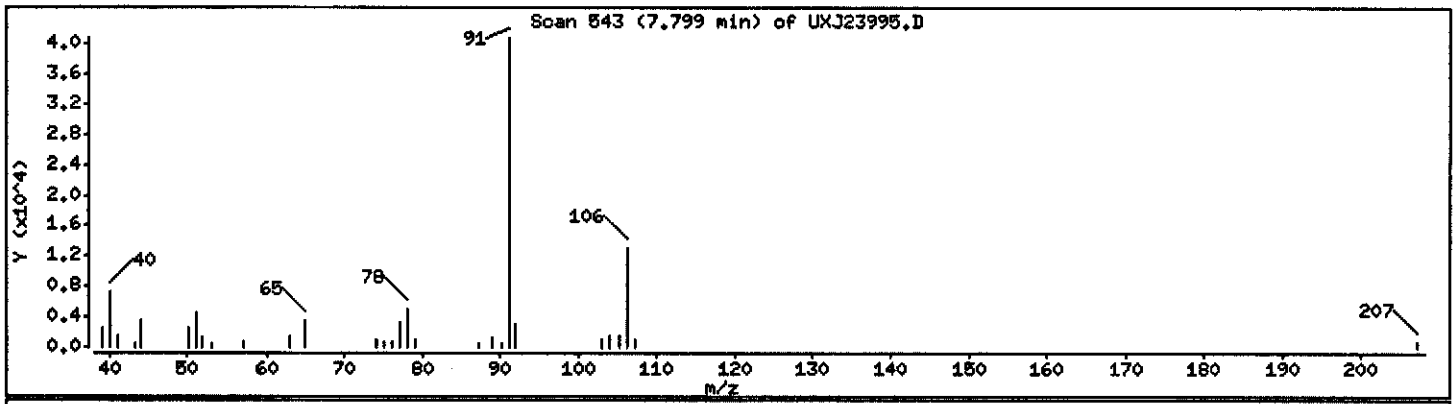
Client ID: DPE02/091504 Instrument: a3ux11.i

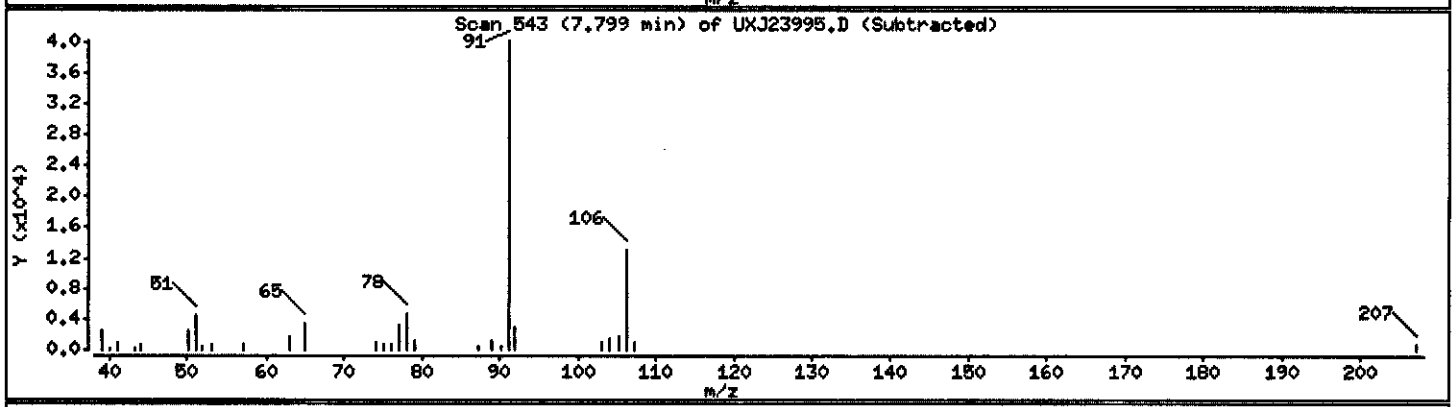
Sample Info: GQCK11AA,5ML/5ML

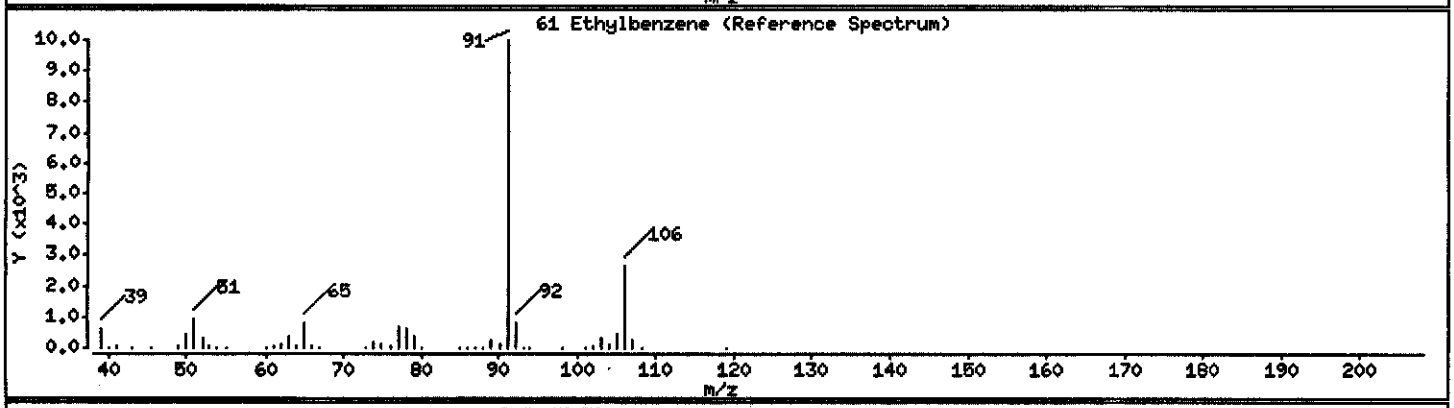
Purge Volume: 5.0 Operator: 43582

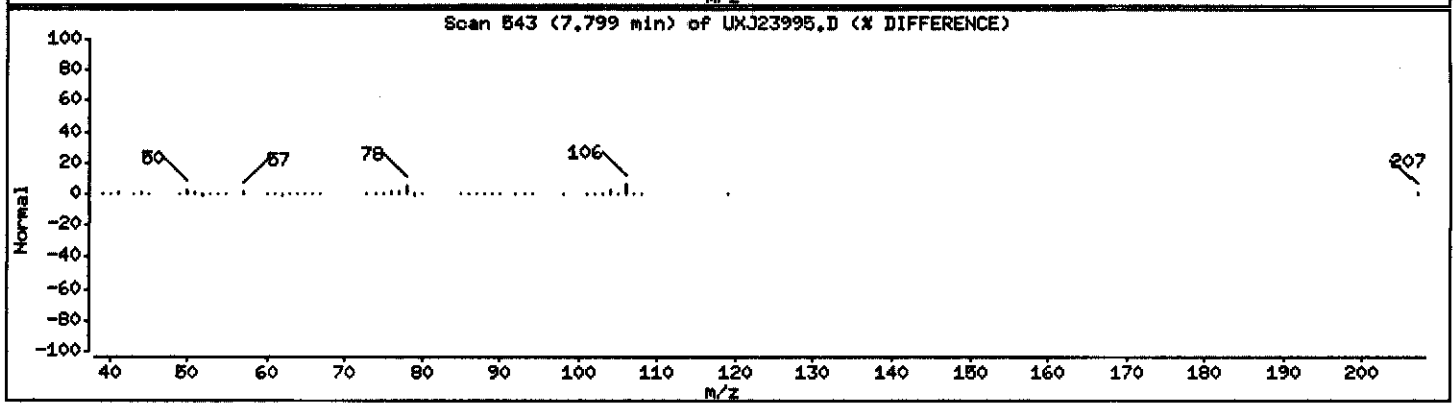
Column phase: DB624 Column diameter: 0.18

61 Ethylbenzene Concentration: 0.2618 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23995.D

Date : 20-SEP-2004 14:31

Client ID: DPE02/091504

Instrument: a3ux11.i

Sample Info: GQCK11AA,5ML/5ML

Purge Volume: 5.0

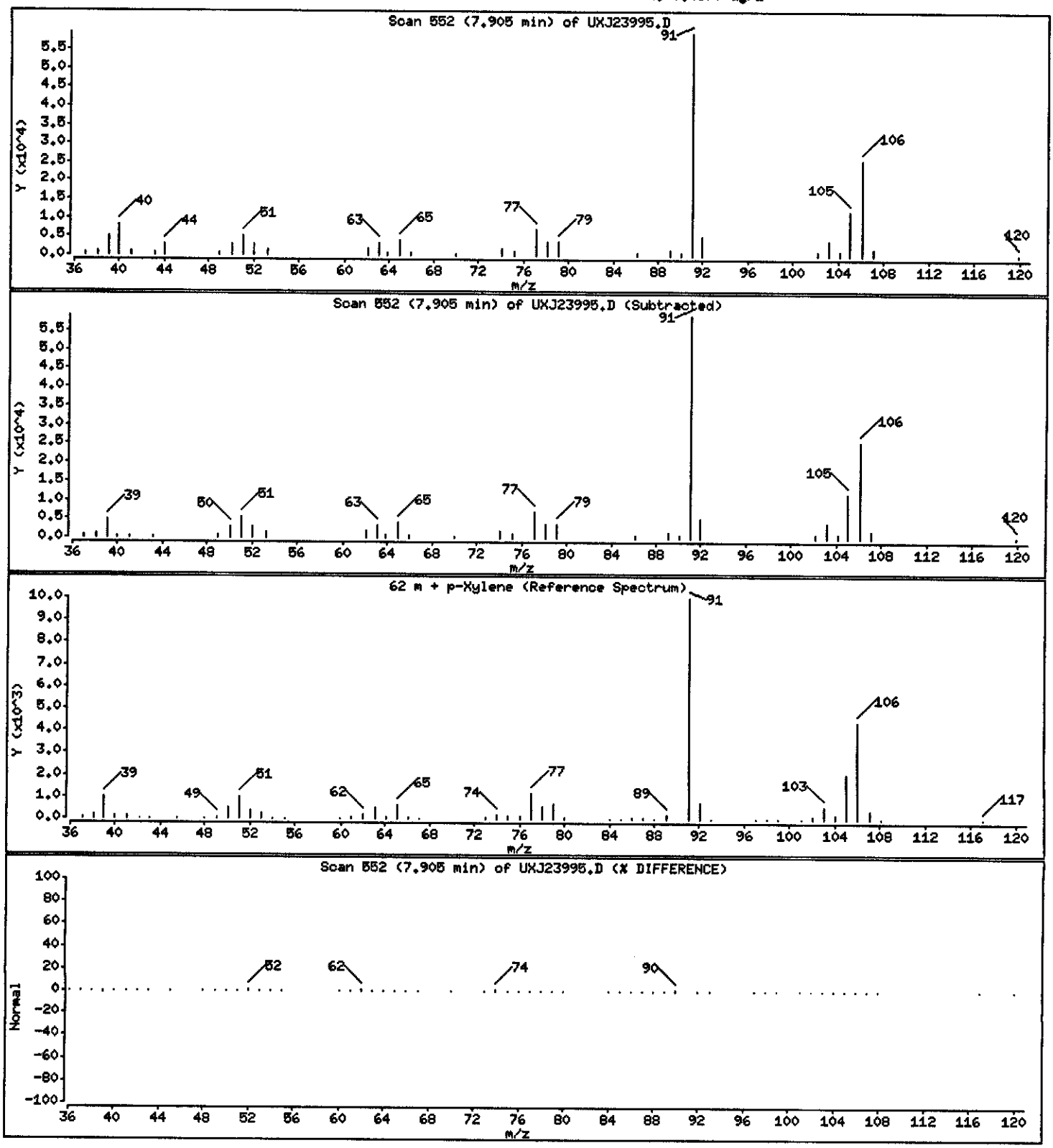
Operator: 43582

Column phase: DB624

Column diameter: 0.18

62 m + p-Xylene

Concentration: 0.4570 ug/L



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Date : 20-SEP-2004 14:31

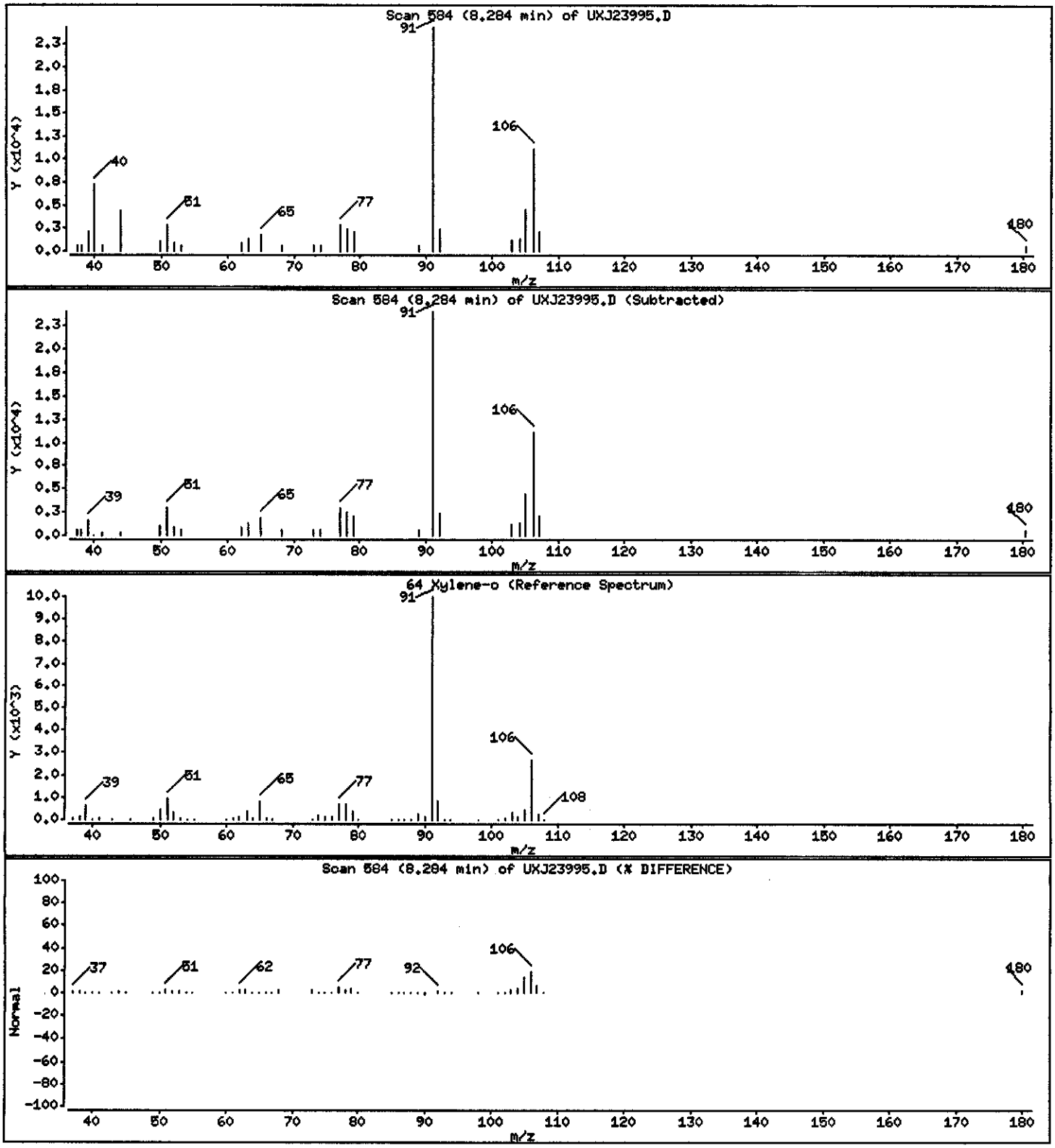
Client ID: DPE02/091504 Instrument: a3ux11.i

Sample Info: GQCK11AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

64 Xylene-o Concentration: 0.2177 ug/L



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Date : 20-SEP-2004 14:31

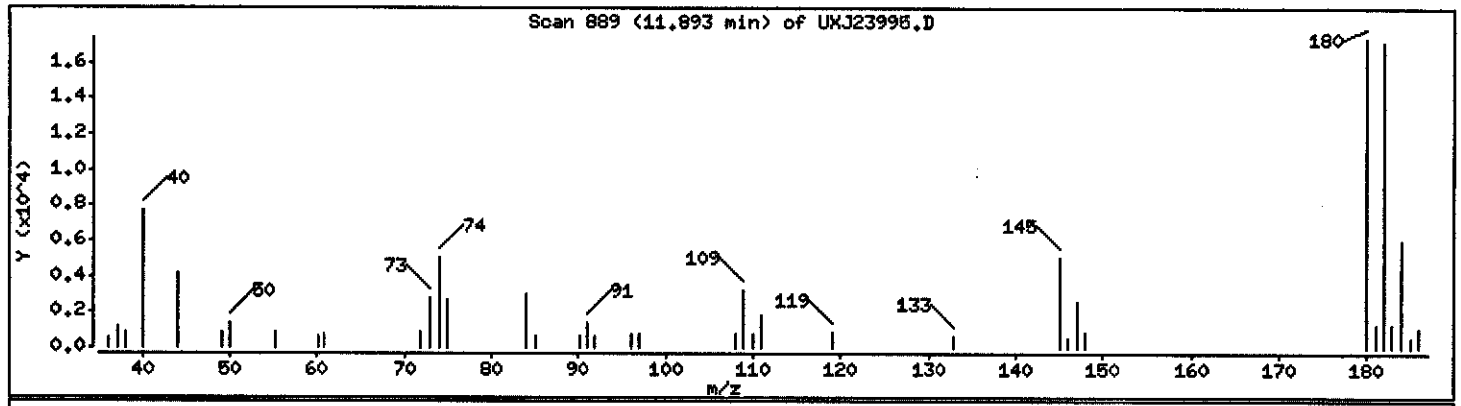
Client ID: DPE02/091504 Instrument: a3ux11.i

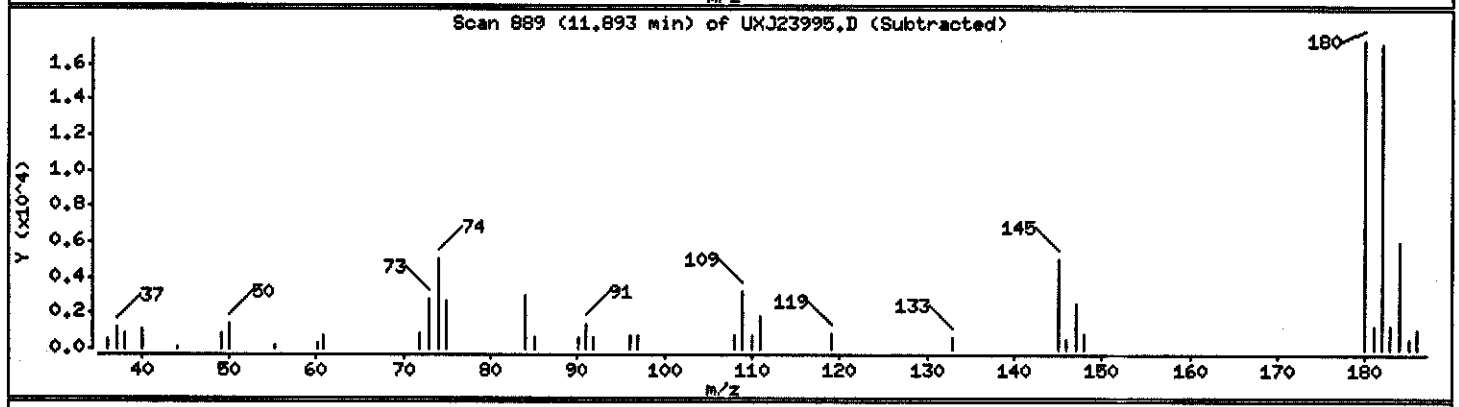
Sample Info: GQCK11AA,5ML/5ML

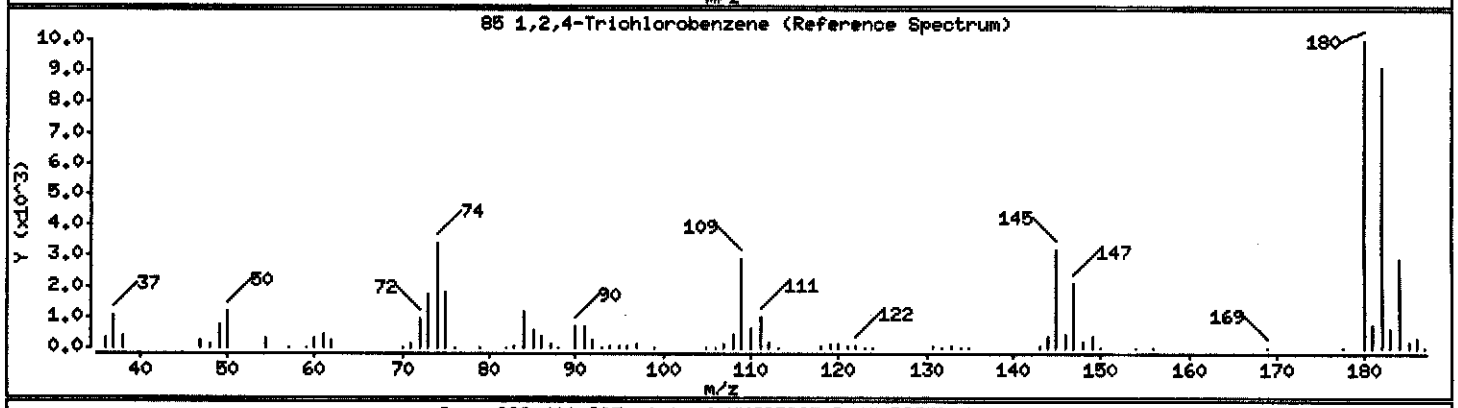
Purge Volume: 5.0 Operator: 43582

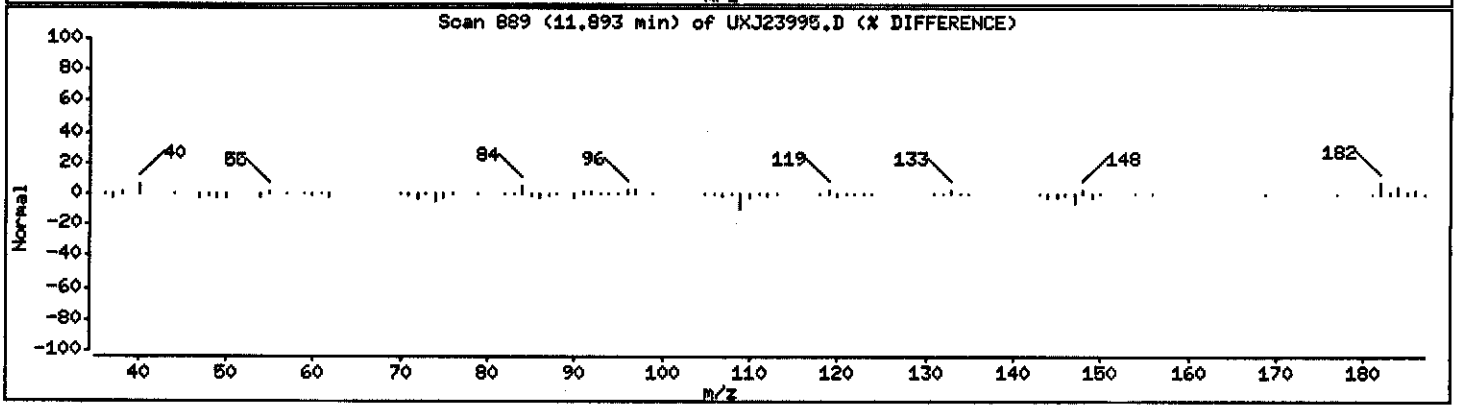
Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 0.7182 ug/L









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Date : 20-SEP-2004 14:31

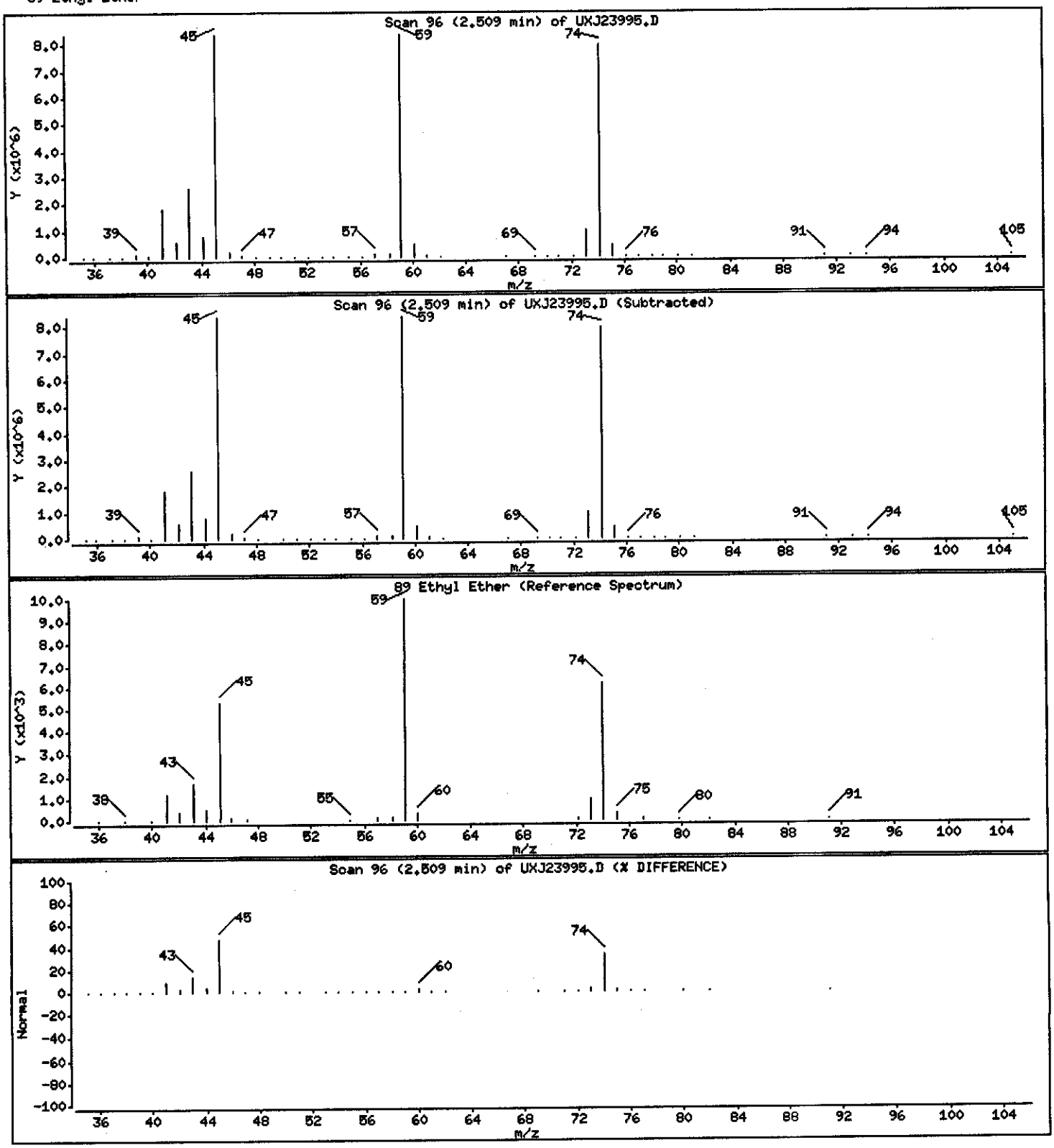
Client ID: DPE02/091504 Instrument: a3ux11.i

Sample Info: GQCK11AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 988.27 ug/L



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Date : 20-SEP-2004 14:31

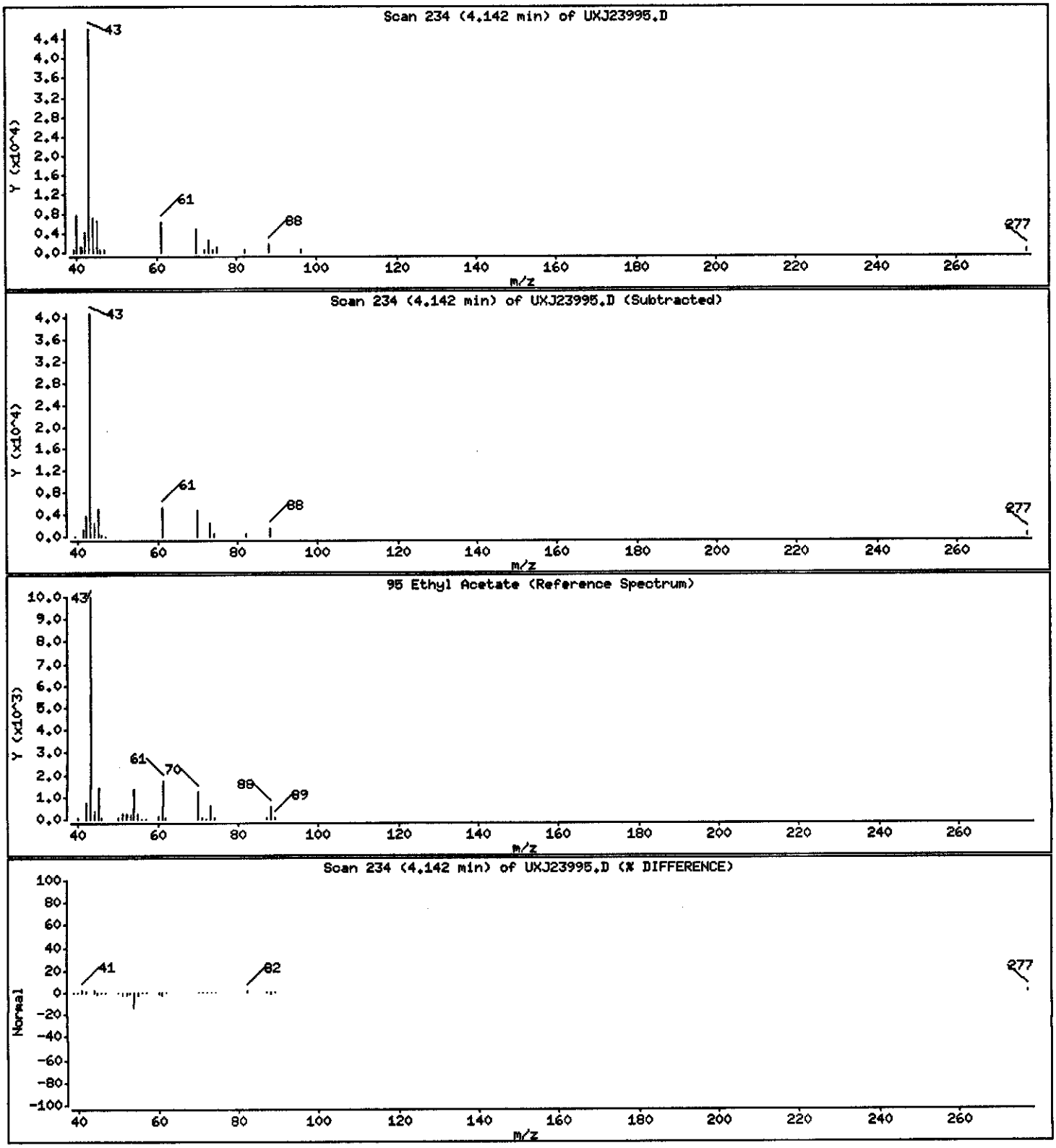
Client ID: DPE02/091504 Instrument: a3ux11.i

Sample Info: GQCK11AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

95 Ethyl Acetate Concentration: 2.154 ug/L



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Date : 20-SEP-2004 14:31

Client ID: DPE02/091504

Instrument: a3ux11.i

Sample Info: GQCK11AA,5ML/5ML

Purge Volume: 5.0

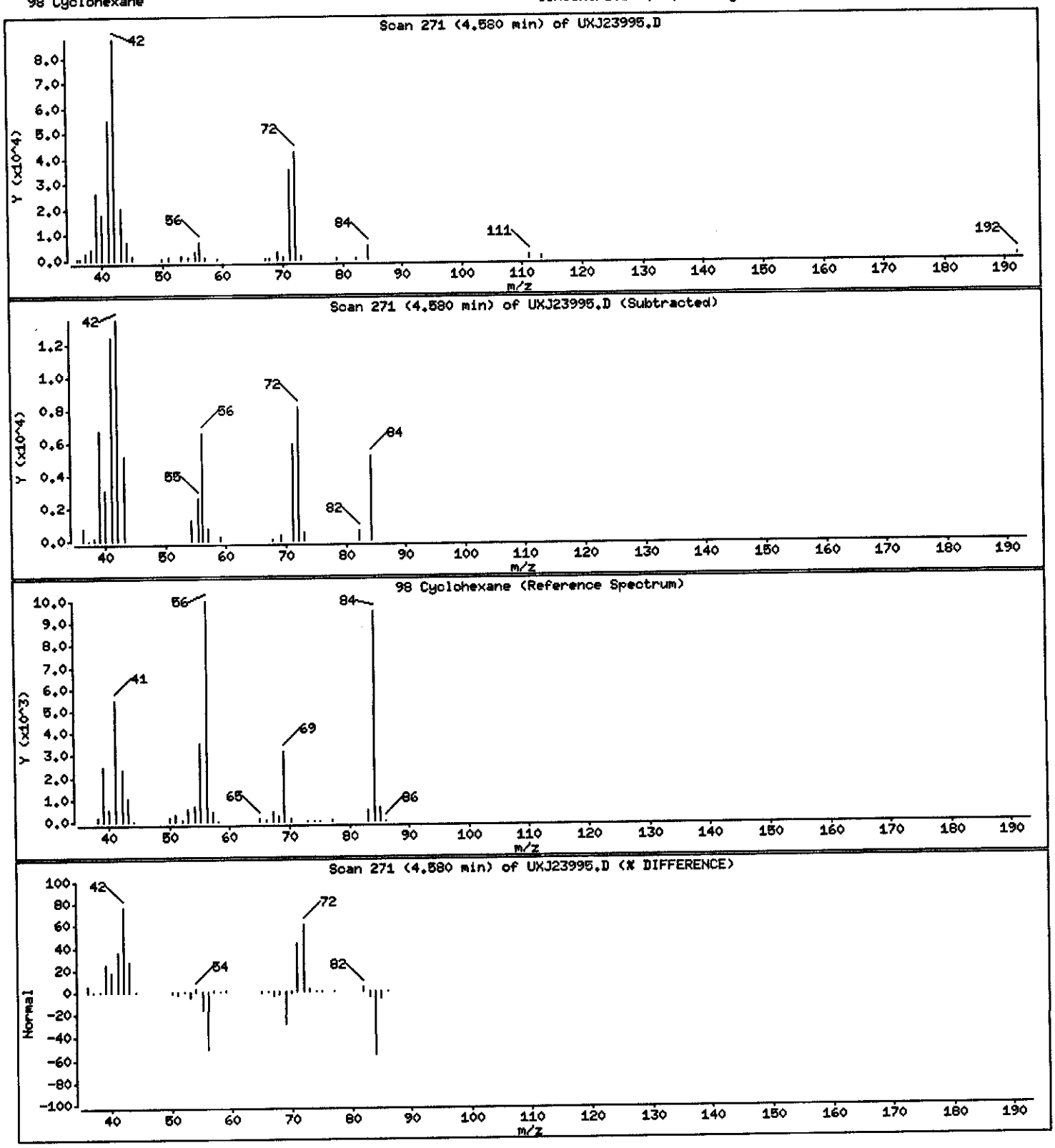
Operator: 43582

Column phase: DB624

Column diameter: 0.18

98 Cyclohexane

Concentration: 0.2745 ug/L



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Date : 20-SEP-2004 14:31

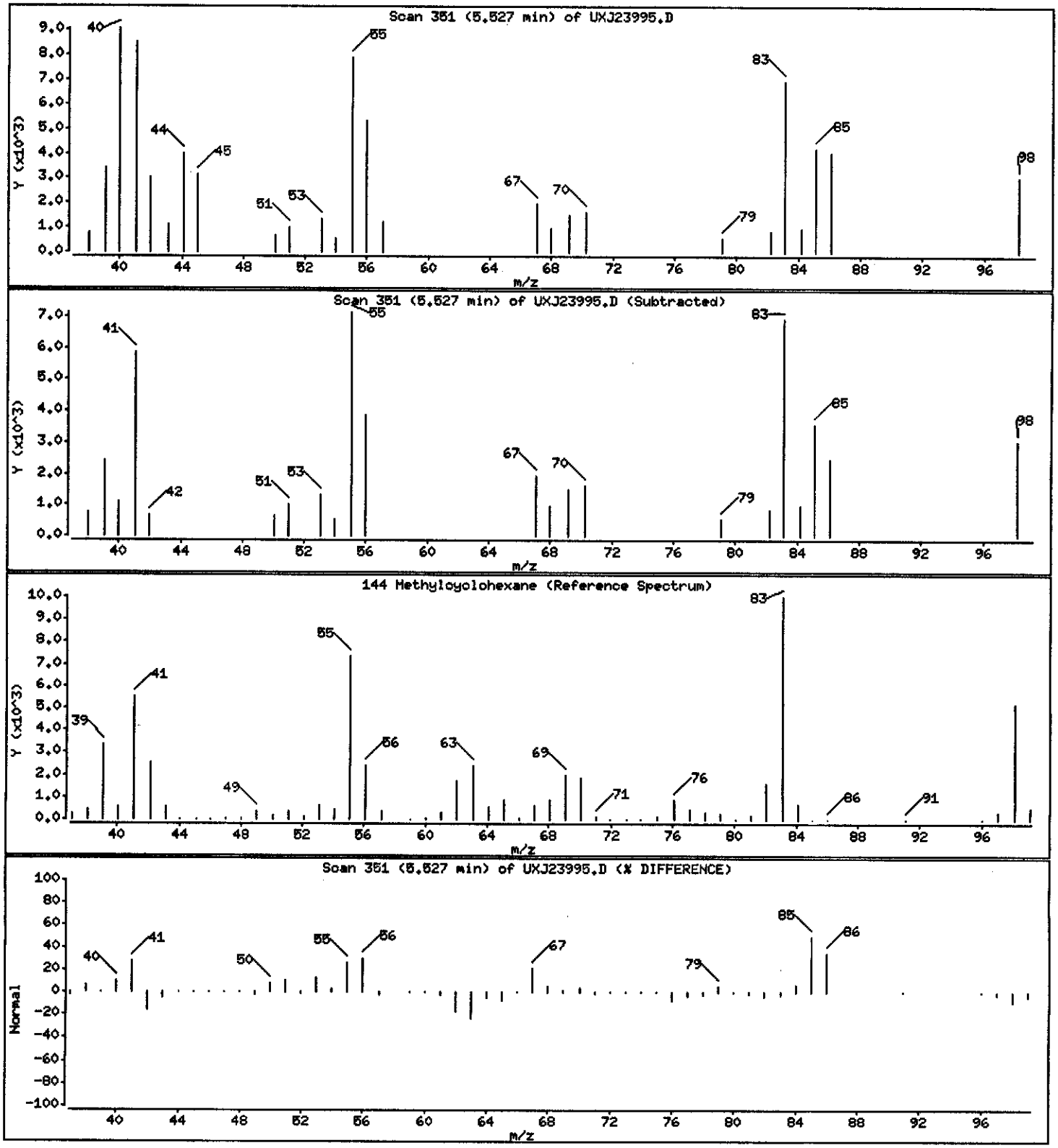
Client ID: DPE02/091504 Instrument: a3ux11.i

Sample Info: CQCK11AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

144 Methylcyclohexane Concentration: 0.2371 ug/L



PAYNE FIRM INC.

Client Sample ID: DPE02/091504

GC/MS Volatiles

Lot-Sample #...: A4I160150-001 **Work Order #...:** GQCK12AA **Matrix.....:** WG
Date Sampled...: 09/15/04 10:17 **Date Received..:** 09/16/04
Prep Date.....: 09/20/04 **Analysis Date..:** 09/20/04
Prep Batch #...: 4264385
Dilution Factor: 20 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	200	ug/L
Acetonitrile	ND	400	ug/L
Acrolein	ND	400	ug/L
Acrylonitrile	ND	400	ug/L
Benzene	**5.5 J**	**20**	**ug/L**
Bromodichloromethane	ND	20	ug/L
Bromoform	ND	20	ug/L
Bromomethane	ND	20	ug/L
2-Butanone	**29 J**	**200**	**ug/L**
Carbon disulfide	ND	20	ug/L
Carbon tetrachloride	ND	20	ug/L
Chlorobenzene	ND	20	ug/L
Chloroprene	ND	40	ug/L
Dibromochloromethane	ND	20	ug/L
Chloroethane	ND	20	ug/L
Chloroform	ND	20	ug/L
Chloromethane	**3.4 J,B**	**20**	**ug/L**
3-Chloropropene	ND	40	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	40	ug/L
1,2-Dibromoethane	ND	20	ug/L
Dibromomethane	ND	20	ug/L
trans-1,4-Dichloro-2-butene	ND	20	ug/L
1,1-Dichloroethane	ND	20	ug/L
1,2-Dichloroethane	ND	20	ug/L
cis-1,2-Dichloroethene	ND	20	ug/L
trans-1,2-Dichloroethene	ND	20	ug/L
1,1-Dichloroethene	ND	20	ug/L
1,2-Dichloroethene (total)	ND	40	ug/L
Dichlorofluoromethane	ND	40	ug/L
1,2-Dichloropropane	ND	20	ug/L
cis-1,3-Dichloropropene	ND	20	ug/L
trans-1,3-Dichloropropene	ND	20	ug/L
1,4-Dioxane	**25000**	**1000**	**ug/L**
Ethylbenzene	ND	20	ug/L
Ethyl methacrylate	ND	20	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DPE02/091504

GC/MS Volatiles

Lot-Sample #...: A4I160150-001 **Work Order #...:** GQCK12AA **Matrix.....:** WG

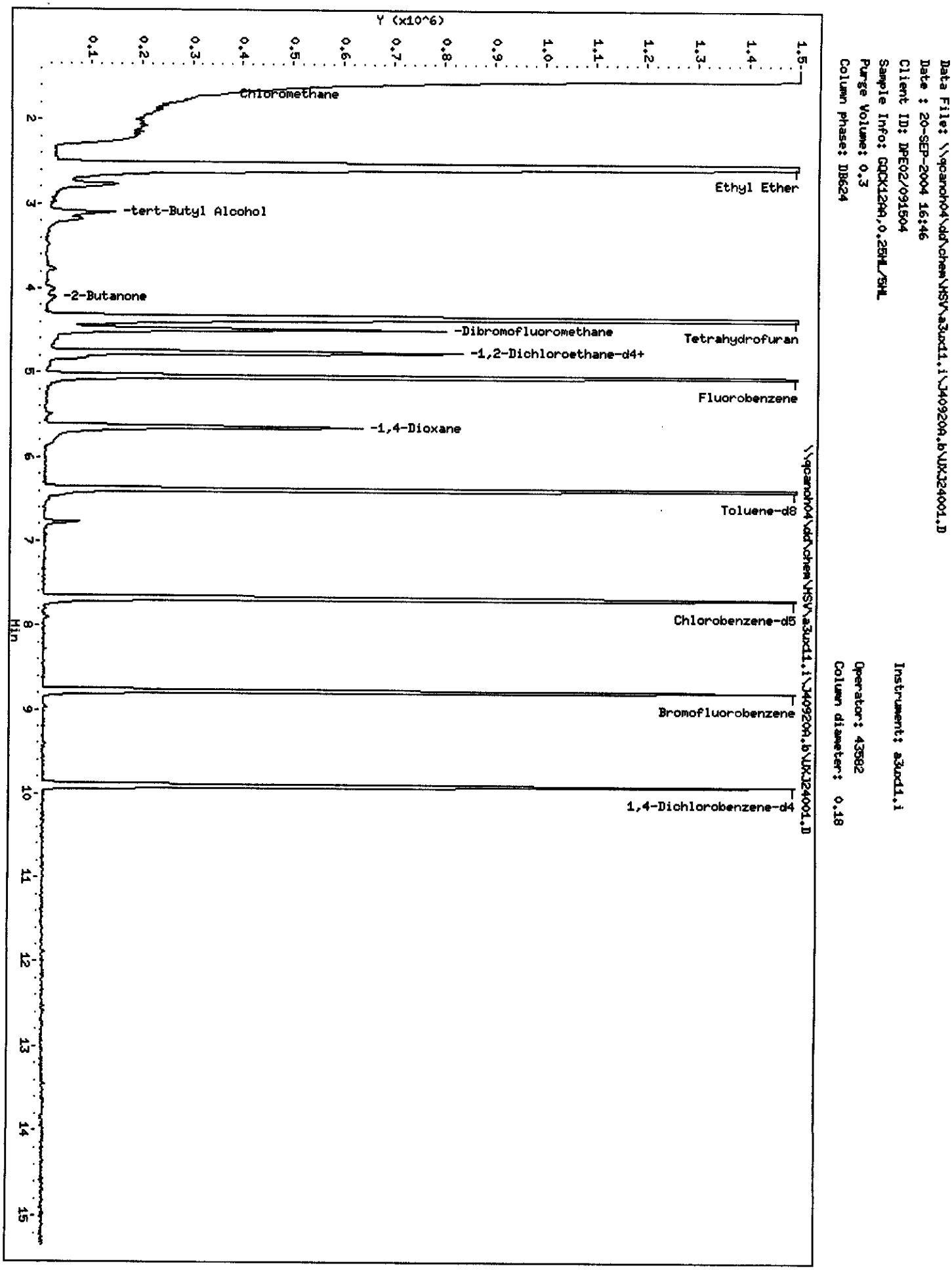
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	200	ug/L
Iodomethane	ND	20	ug/L
Isobutanol	ND	1000	ug/L
Methacrylonitrile	ND	40	ug/L
Methylene chloride	ND	20	ug/L
Methyl methacrylate	ND	40	ug/L
4-Methyl-2-pentanone	ND	200	ug/L
Propionitrile	ND	80	ug/L
Styrene	ND	20	ug/L
1,1,1,2-Tetrachloroethane	ND	20	ug/L
1,1,2,2-Tetrachloroethane	ND	20	ug/L
Tetrachloroethene	ND	20	ug/L
Toluene	ND	20	ug/L
1,1,1-Trichloroethane	ND	20	ug/L
1,1,2-Trichloroethane	ND	20	ug/L
Trichloroethene	ND	20	ug/L
Trichlorofluoromethane	ND	20	ug/L
1,2,3-Trichloropropane	ND	20	ug/L
Vinyl acetate	ND	40	ug/L
Vinyl chloride	ND	20	ug/L
Xylenes (total)	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	105	(76 - 110)
4-Bromofluorobenzene	84	(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 : 20-SEP-2004 16:46
Client ID: DPE02/091504
Sample Info: GQCK12HA,0.25ML/5ML
Purge Volume: 0.3
Column phase: DB624
Instrument: a3ud1.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Chloromethane
Ethyl Ether
-tert-Butyl Alcohol
-2-Butanone
-Dibromofluoromethane
Tetrahydrofuran
-1,2-Dichloroethane-d4+
Fluorobenzene
-1,4-Dioxane
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\HSV\a3ud1.i\J409220A.b\UXJ24001.D
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ24001.D
Report Date: 21-Sep-2004 09:06

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ24001.D
Lab Smp Id: GQCK12AA Client Smp ID: DPE02/091504
Inj Date : 20-SEP-2004 16:46
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GQCK12AA,0.25ML/5ML
Misc Info : J40920A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40920A.b\8260LLUX11.m
Meth Date : 21-Sep-2004 08:58 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.250	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.041	5.041	(1.000)	2243726	50.0000	
* 2 Chlorobenzene-d5	117	7.680	7.680	(1.000)	1593594	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904	(1.000)	694646	50.0000	
$ 4 Dibromofluoromethane	113	4.485	4.485	(0.890)	547101	52.3715	209.49
$ 5 1,2-Dichloroethane-d4	65	4.757	4.757	(0.944)	728440	50.7101	202.84
$ 6 Toluene-d8	98	6.378	6.378	(0.831)	2018281	52.7180	210.87
$ 7 Bromofluorobenzene	95	8.780	8.780	(1.143)	683541	42.0208	168.08
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.692	1.692	(0.336)	17908	0.85505	3.420
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ24001.D
Report Date: 21-Sep-2004 09:06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	3.183	3.160	(0.632)	72606	83.1960	332.78
	30 2-Butanone	43	4.106	4.094	(0.815)	44857	7.29910	29.196
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	4.343	4.343	(0.862)	4187907	2010.29	8041.2(A)
	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	4.828	4.816	(0.958)	71654	1.38709	5.548
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.644	5.633	(1.120)	681033	6234.93	24940(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ24001.D
Report Date: 21-Sep-2004 09:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.544	2.532	(0.505)	9547526	862.975	3451.9(A)
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ24001.D

Date : 20-SEP-2004 16:46

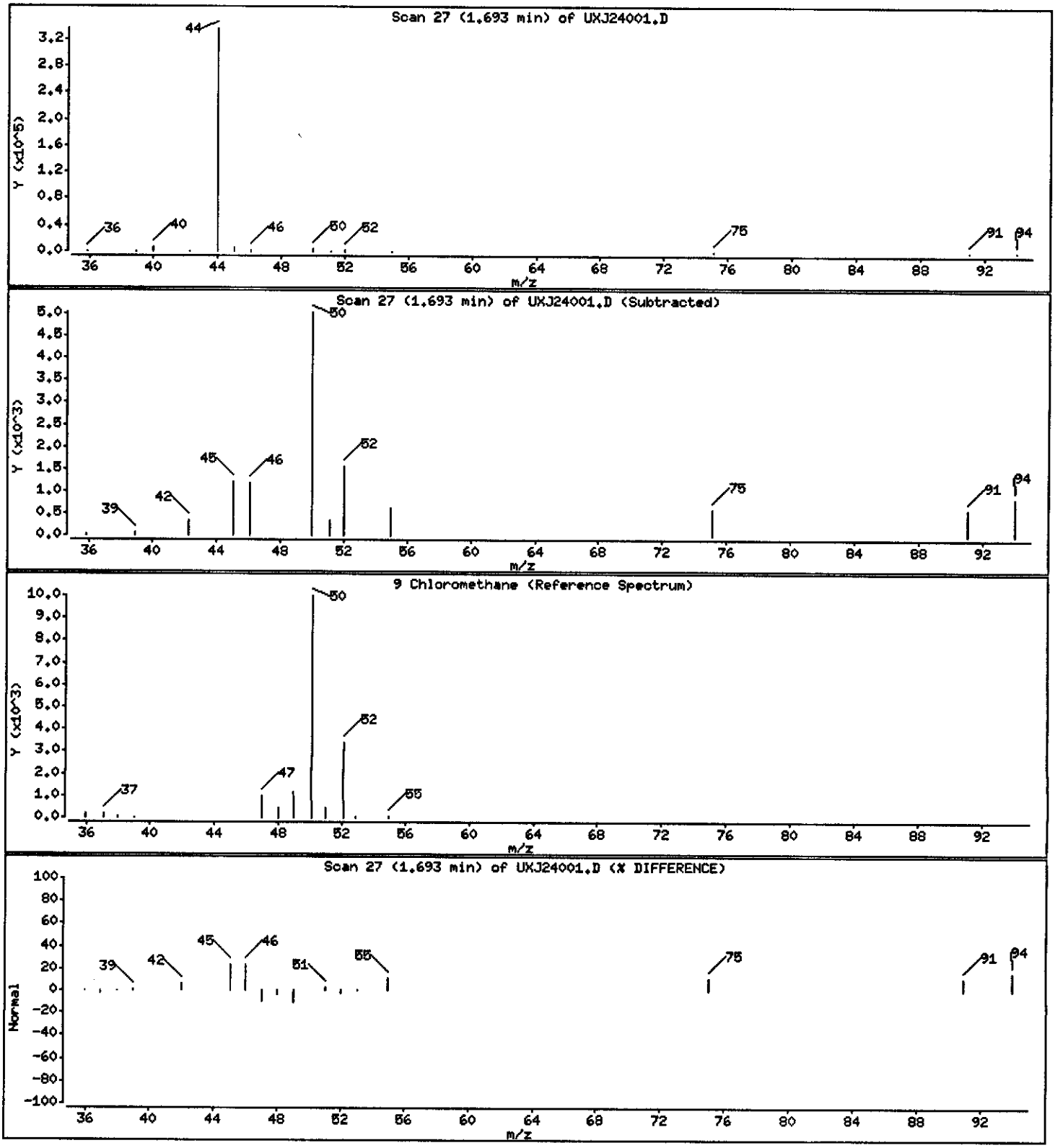
Client ID: DPE02/091504 Instrument: a3ux11.i

Sample Info: GQCK12AA,0.25ML/5ML

Purge Volume: 0.3 Operator: 43582

Column phase: DB624 Column diameter: 0.18

9 Chloromethane Concentration: 3.420 ug/L



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Date : 20-SEP-2004 16:46

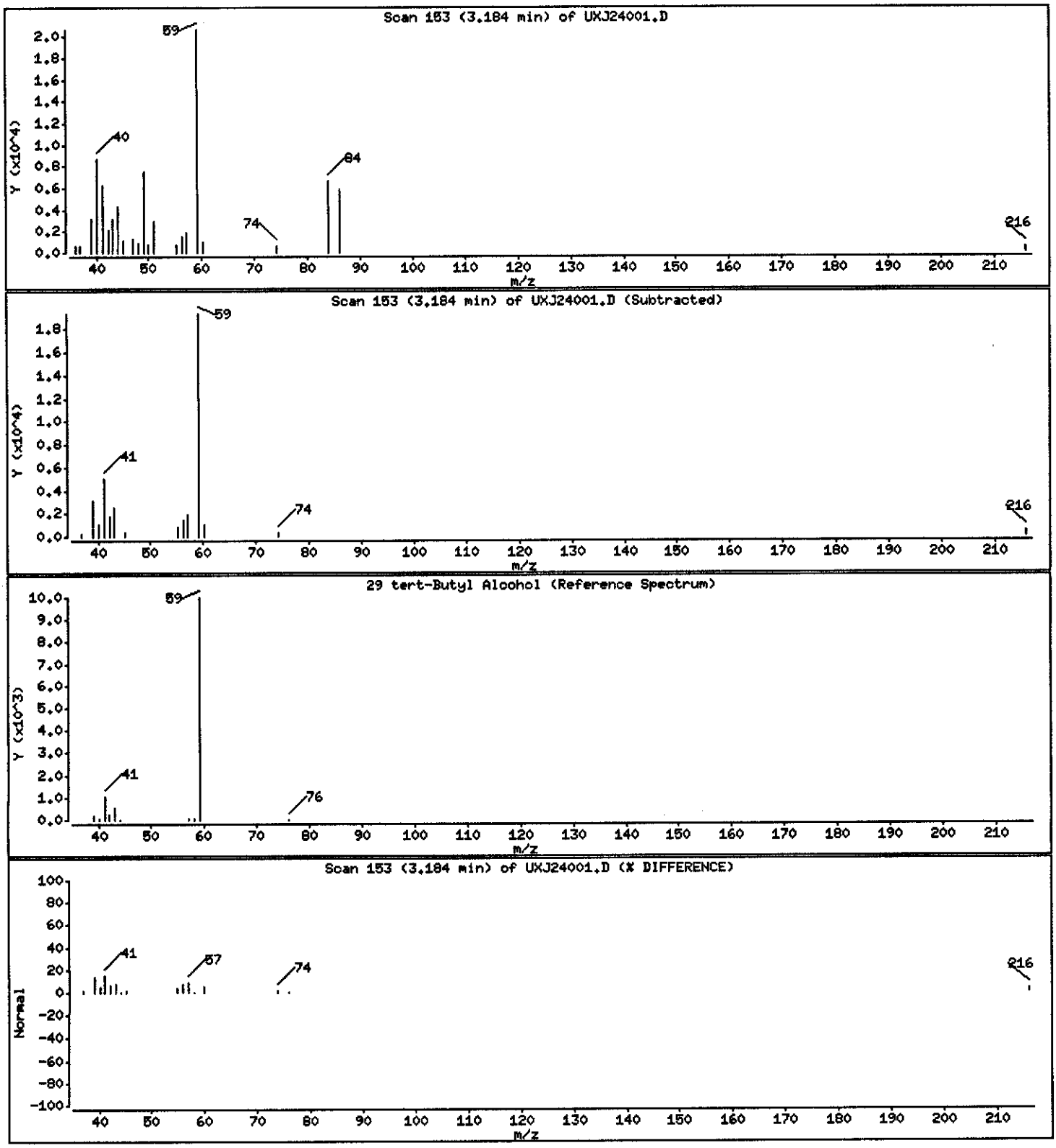
Client ID: DPE02/091504 Instrument: a3ux11.i

Sample Info: GQCK12AA,0.25ML/5ML

Purge Volume: 0.3 Operator: 43582

Column phase: DB624 Column diameter: 0.18

29 tert-Butyl Alcohol Concentration: 332.78 ug/L



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Date : 20-SEP-2004 16:46

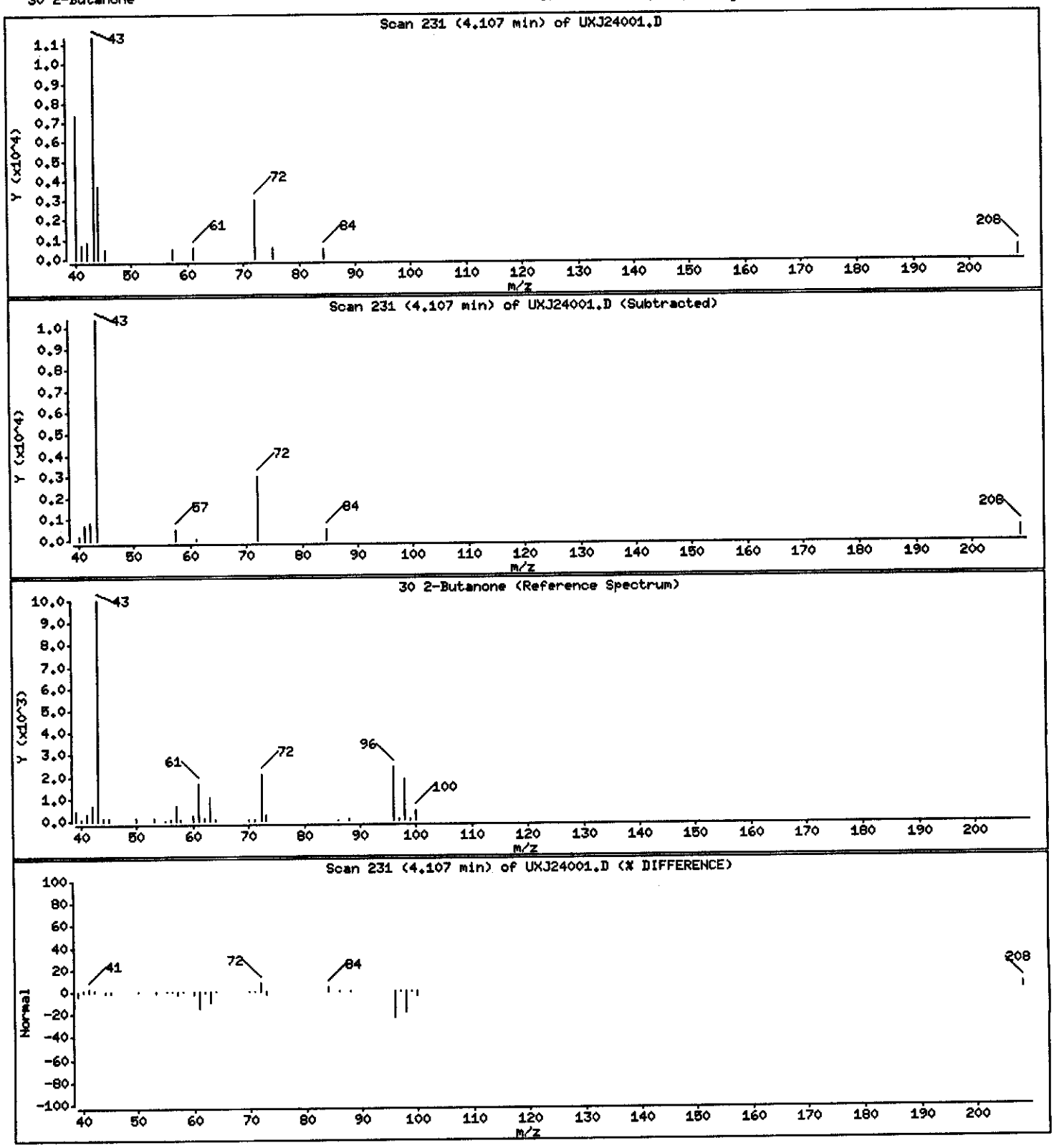
Client ID: DPE02/091504 Instrument: a3ux11.i

Sample Info: GQCK12AA,0.25ML/5ML

Purge Volume: 0.3 Operator: 43582

Column phase: DB624 Column diameter: 0.18

30 2-Butanone Concentration: 29.196 ug/L



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Date : 20-SEP-2004 16:46

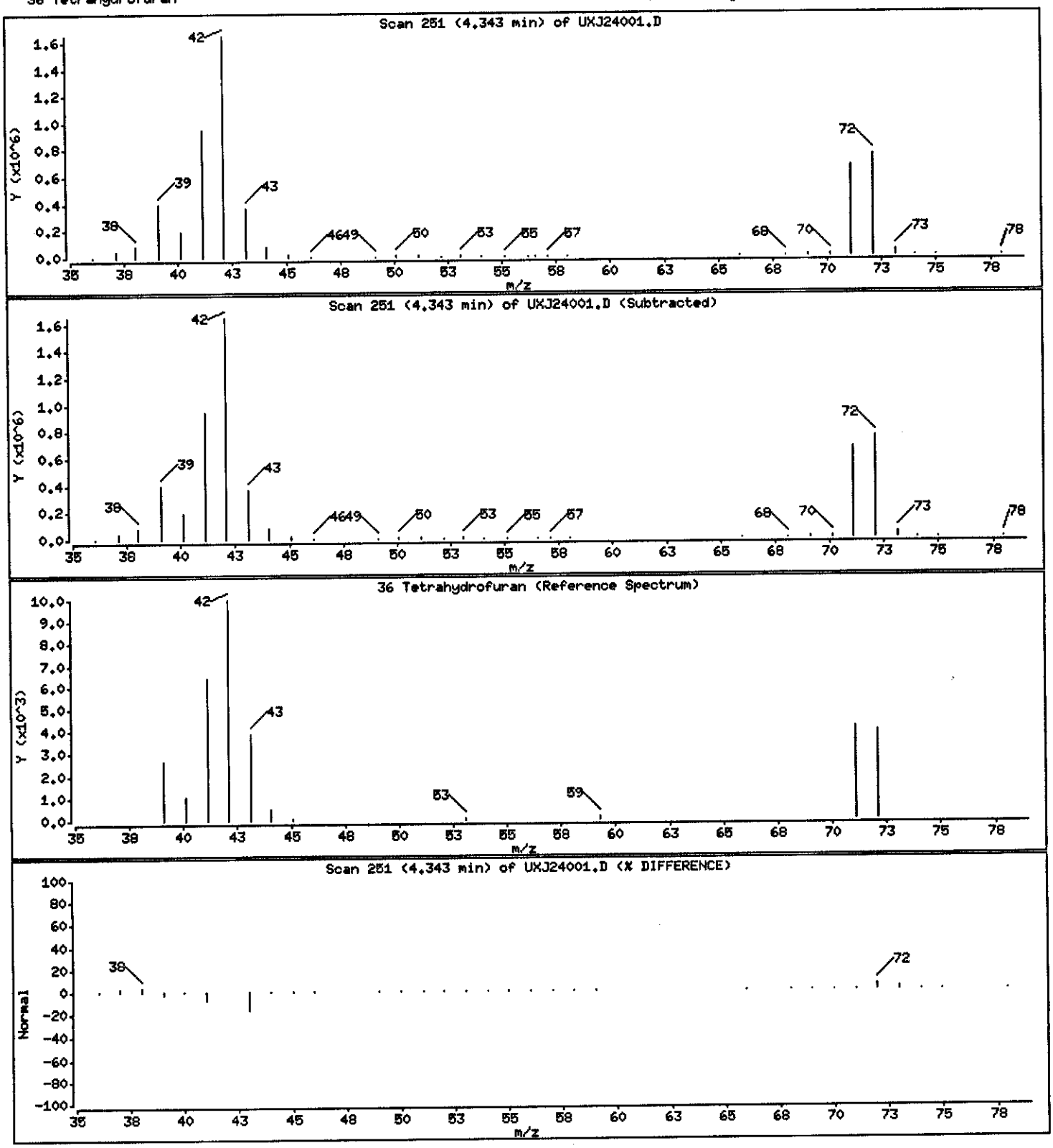
Client ID: DPE02/091504 Instrument: a3ux11.i

Sample Info: GQCK12AA,0.25ML/5ML

Purge Volume: 0.3 Operator: 43582

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 8041.2 ug/L



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Date : 20-SEP-2004 16:46

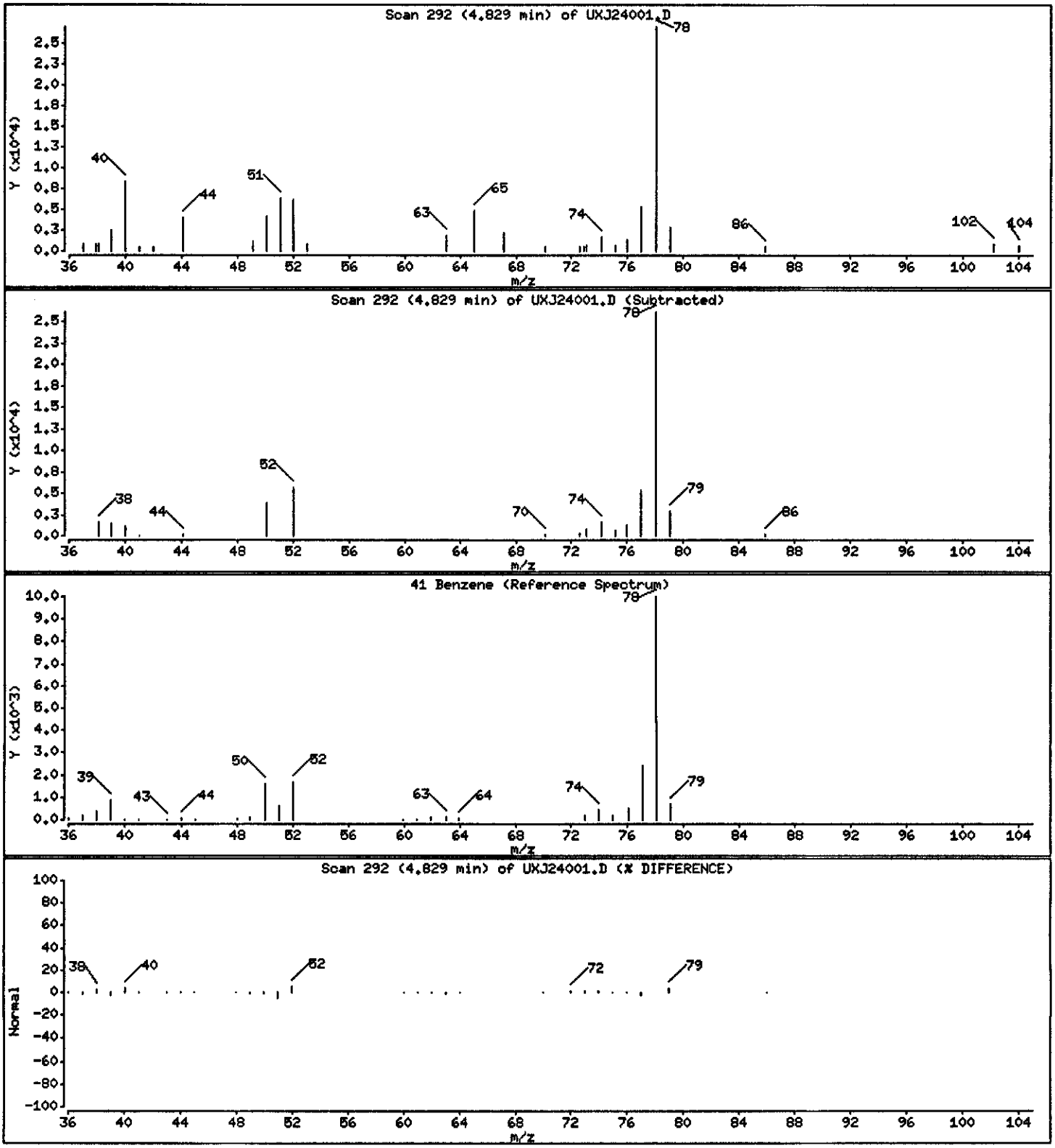
Client ID: DPE02/091504 Instrument: a3ux11.i

Sample Info: GQCK12AA,0.25ML/5ML

Purge Volume: 0.3 Operator: 43582

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 5.548 ug/L



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Date : 20-SEP-2004 16:46

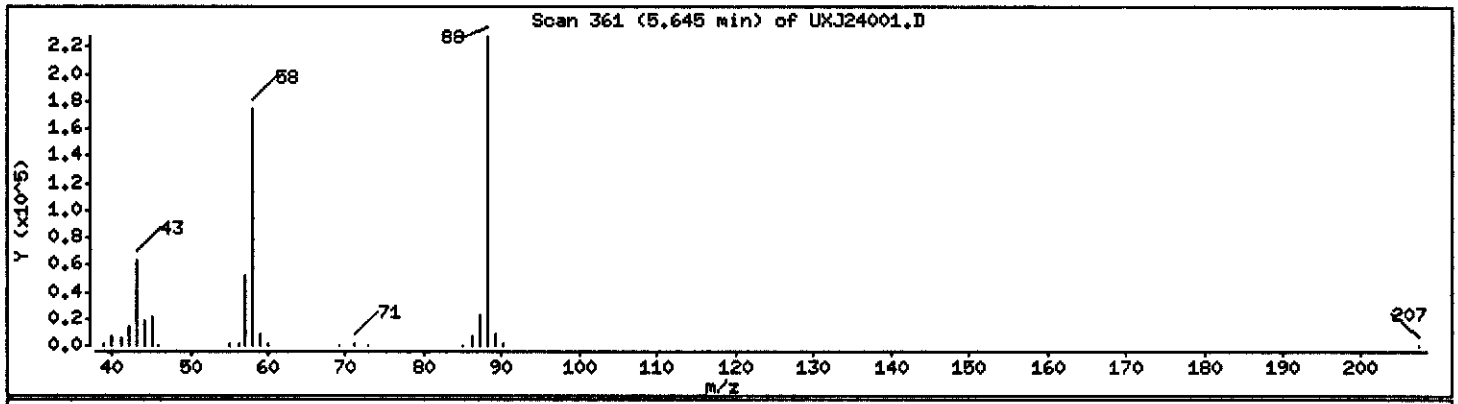
Client ID: DPE02/091504 Instrument: a3ux11.i

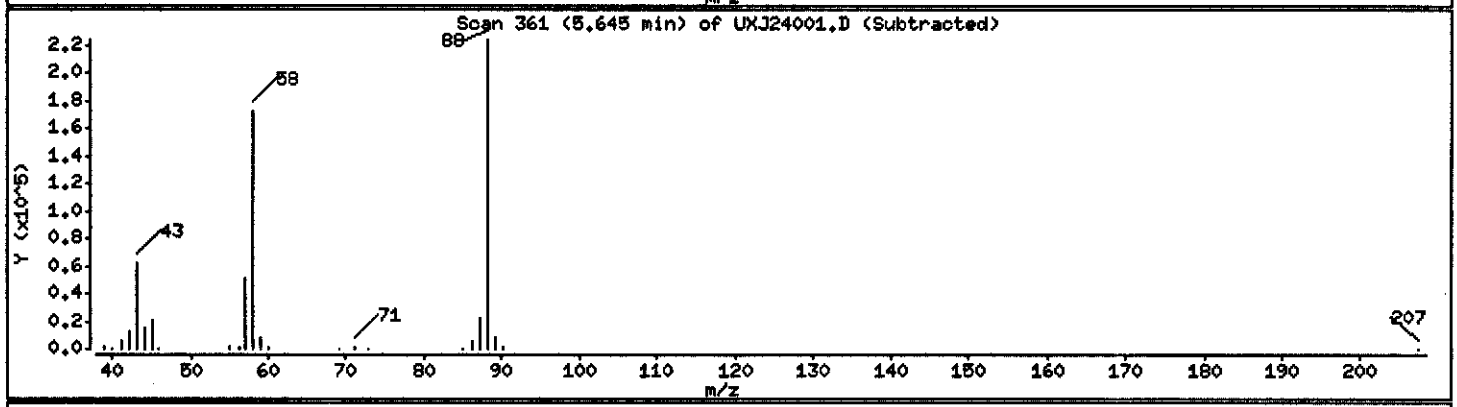
Sample Info: GQCK12AA,0.25ML/5ML

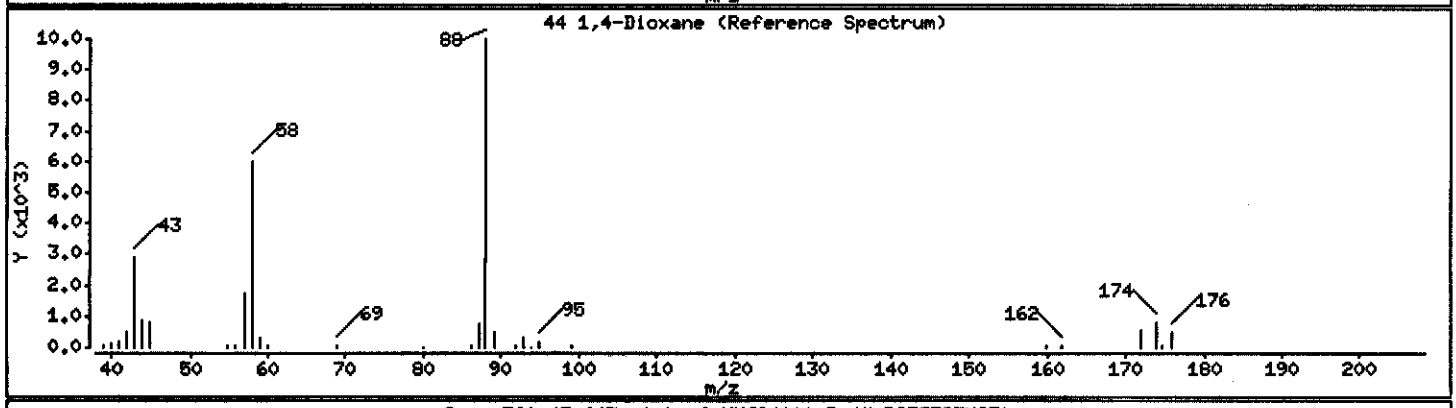
Purge Volume: 0.3 Operator: 43582

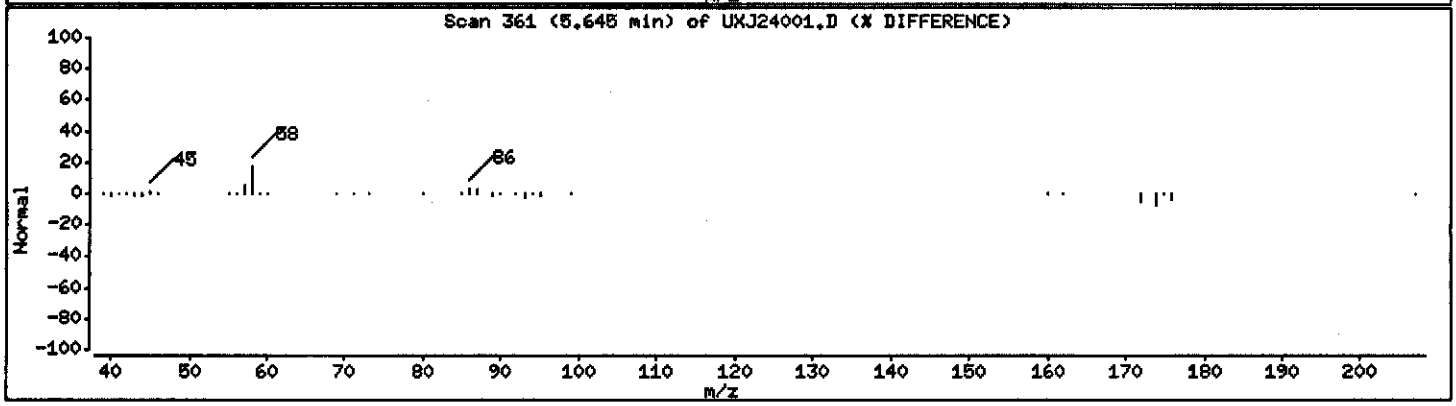
Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 24940 ug/L









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Date : 20-SEP-2004 16:46

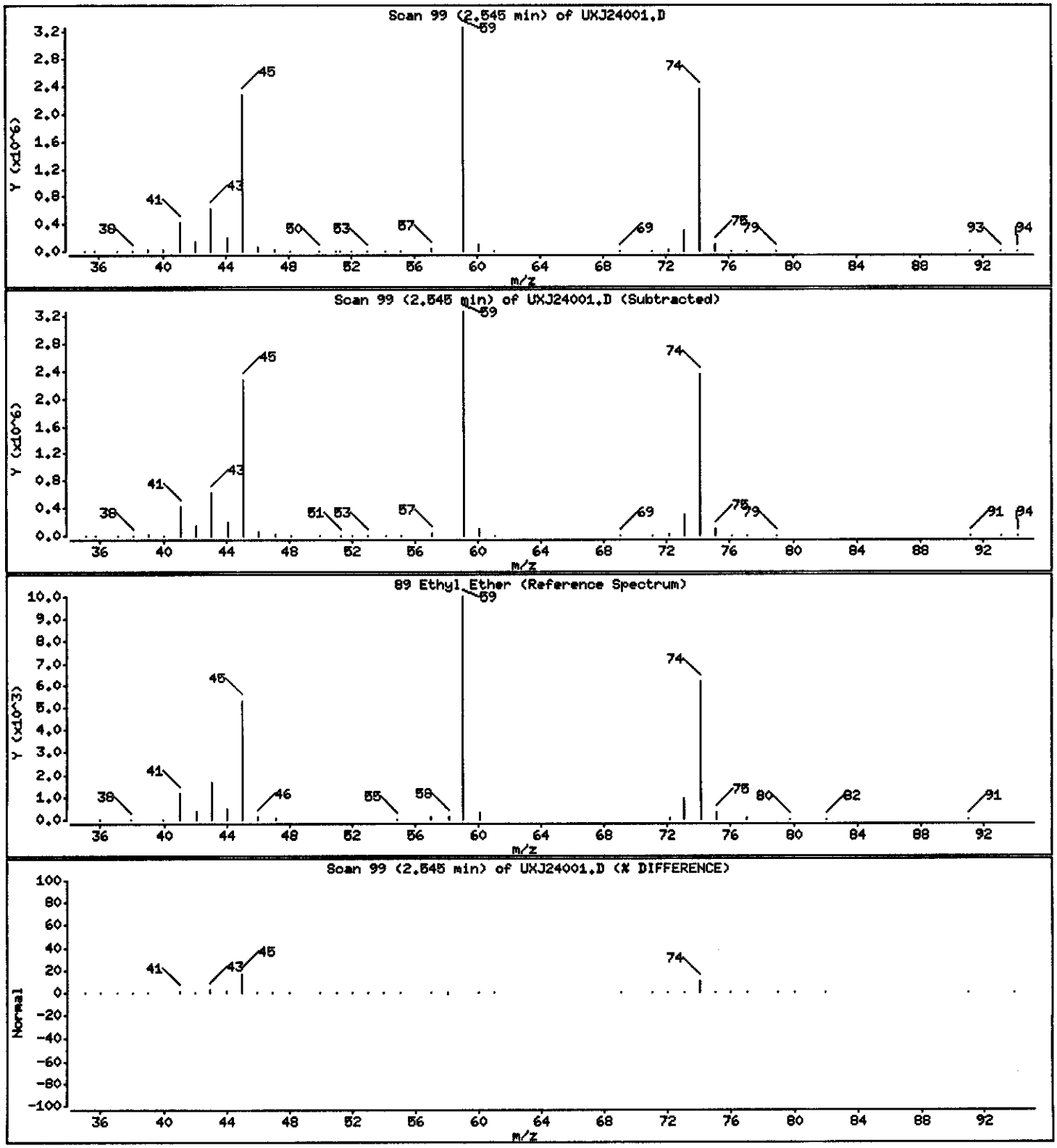
Client ID: DPE02/091504 Instrument: a3ux11.i

Sample Info: GQCK12AA,0.25ML/5ML

Purge Volume: 0.3 Operator: 43582

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 3451.9 ug/L



PAYNE FIRM INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A4I160150-002 **Work Order #...:** GQCLA1AA **Matrix.....:** WQ
Date Sampled...: 09/15/04 **Date Received..:** 09/16/04
Prep Date.....: 09/20/04 **Analysis Date..:** 09/20/04
Prep Batch #...: 4264385
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**0.79 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	**0.28 J**	**1.0**	**ug/L**
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	**1.1 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	**0.19 J,B**	**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	**320**	**50**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A4I160150-002 **Work Order #...:** GQCLA1AA **Matrix.....:** WQ

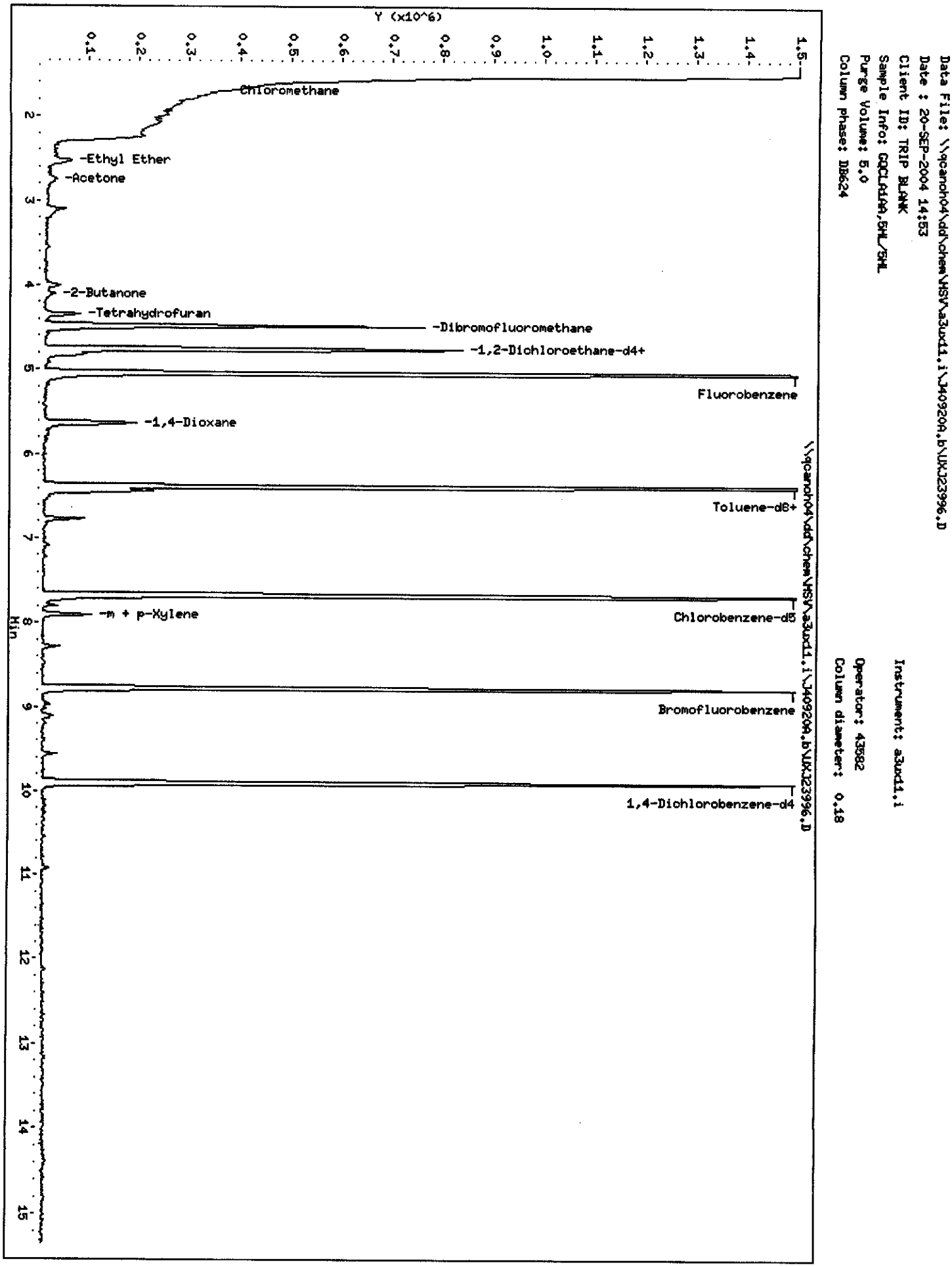
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.57 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	103	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	105	(76 - 110)
4-Bromofluorobenzene	83	(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 : 20-SEP-2004 14:53
Client ID: TRIP BLANK
Sample Info: GQCLA1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
Chloromethane
-Ethyl Ether
-Acetone
-2-Butanone
-Tetrahydrofuran
-Dibromofluoromethane
-1,2-Dichloroethane-d4+
Fluorobenzene
-1,4-Dioxane
Toluene-d8+
-m + p-Xylene
Chlorobenzene-d5
Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanch04\dd\chem\HSV\a3ux11.i\J40920A.b\UXJ23996.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23996.D
Report Date: 21-Sep-2004 09:03

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23996.D
Lab Smp Id: GQCLA1AA Client Smp ID: TRIP BLANK
Inj Date : 20-SEP-2004 14:53
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GQCLA1AA,5ML/5ML
Misc Info : J40920A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40920A.b\8260LLUX11.m
Meth Date : 21-Sep-2004 08:58 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.041	5.041	(1.000)	2306750	50.0000	
* 2 Chlorobenzene-d5	117	7.680	7.680	(1.000)	1651263	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904	(1.000)	703486	50.0000	
$ 4 Dibromofluoromethane	113	4.485	4.485	(0.890)	553953	51.5787	10.316
$ 5 1,2-Dichloroethane-d4	65	4.757	4.757	(0.944)	746206	50.5276	10.106
$ 6 Toluene-d8	98	6.378	6.378	(0.831)	2076193	52.3367	10.467
$ 7 Bromofluorobenzene	95	8.780	8.780	(1.143)	702726	41.6915	8.338
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.692	1.692	(0.336)	20663	0.95964	0.1919
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	2.745	2.745	(0.545)	45839	3.96144	0.7923
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23996.D
Report Date: 21-Sep-2004 09:03

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	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	4.106	4.094	(0.815)	36050	5.70576	1.141
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	4.343	4.343	(0.862)	50167	14.2958	2.859
	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	4.828	4.816	(0.958)	73543	1.38477	0.2770
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.633	5.633	(1.117)	177506	1580.69	316.14(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	6.437	6.437	(0.838)	140999	2.85911	0.5718
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	7.905	7.905	(1.029)	31200	1.50224	0.3004
M	63 Xylenes (total)	106				31200	1.50224	0.3004
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23996.D
Report Date: 21-Sep-2004 09:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.544	2.532	(0.505)	23452	2.06185	0.4124
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23996.D

Date : 20-SEP-2004 14:53

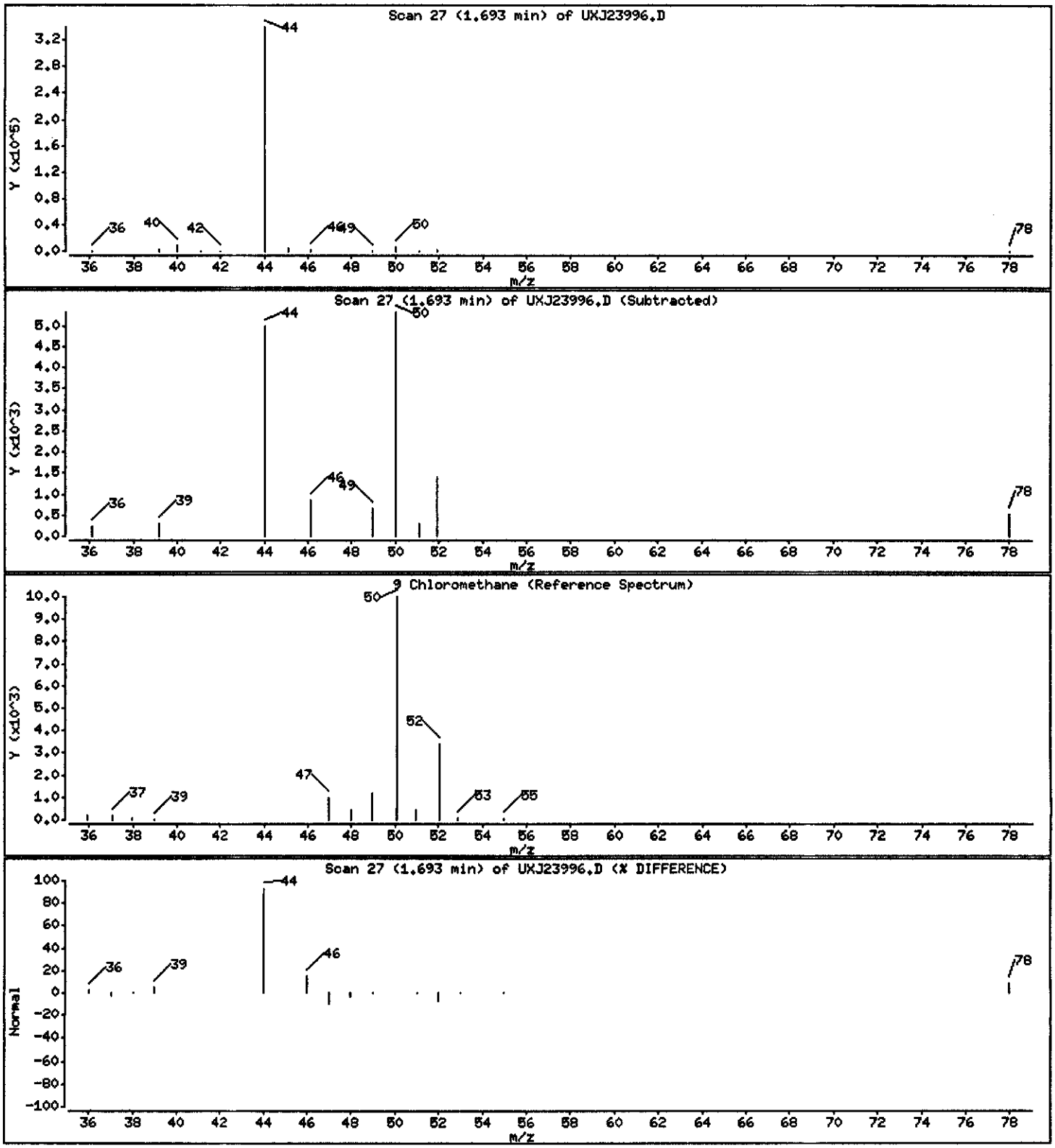
Client ID: TRIP BLANK | Instrument: a3ux11.i

Sample Info: GQCLA1AA,5ML/5ML

Purge Volume: 5.0 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

9 Chloromethane | Concentration: 0.1919 ug/L



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Date : 20-SEP-2004 14:53

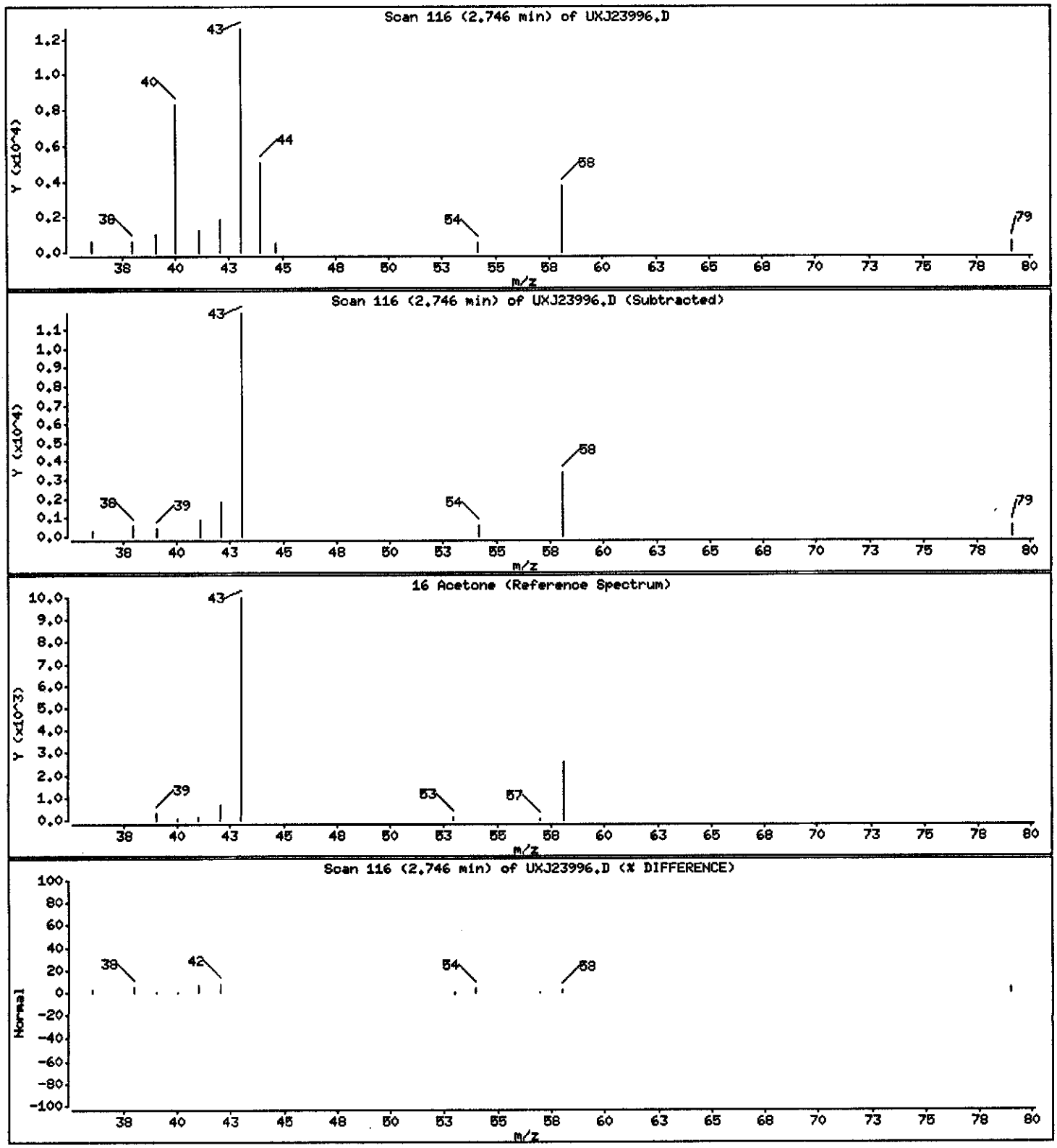
Client ID: TRIP BLANK | Instrument: a3ux11.i

Sample Info: GQCLA1AA,5ML/5ML

Purge Volume: 5.0 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

16 Acetone | Concentration: 0.7923 ug/L



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Date : 20-SEP-2004 14:53

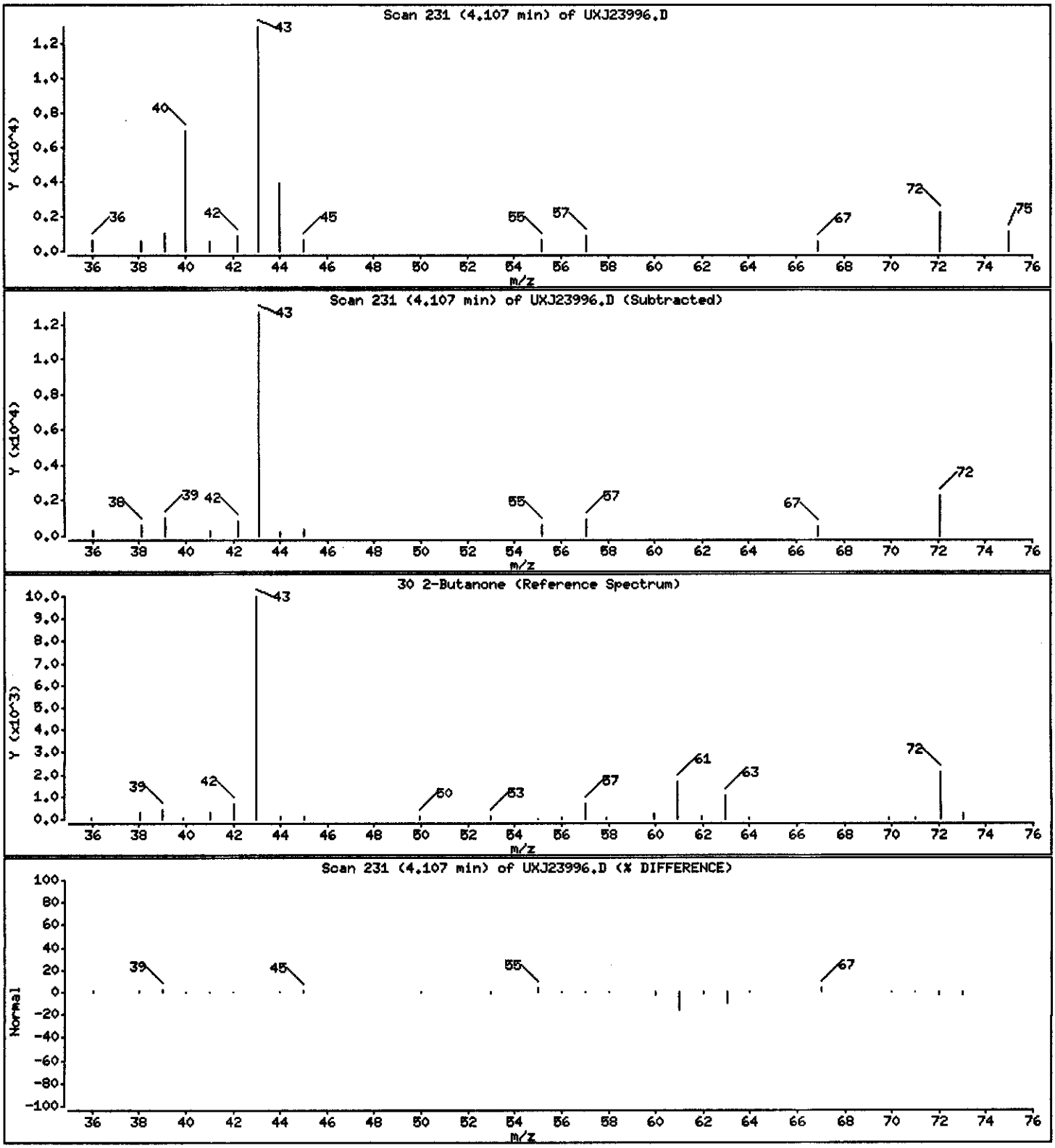
Client ID: TRIP BLANK | Instrument: a3ux11.i

Sample Info: GQCLA1AA,5ML/5ML

Purge Volume: 5.0 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

30 2-Butanone | Concentration: 1.141 ug/L



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Date : 20-SEP-2004 14:53

Client ID: TRIP BLANK

Instrument: a3ux11.i

Sample Info: GQCLA1AA,5ML/5ML

Purge Volume: 5.0

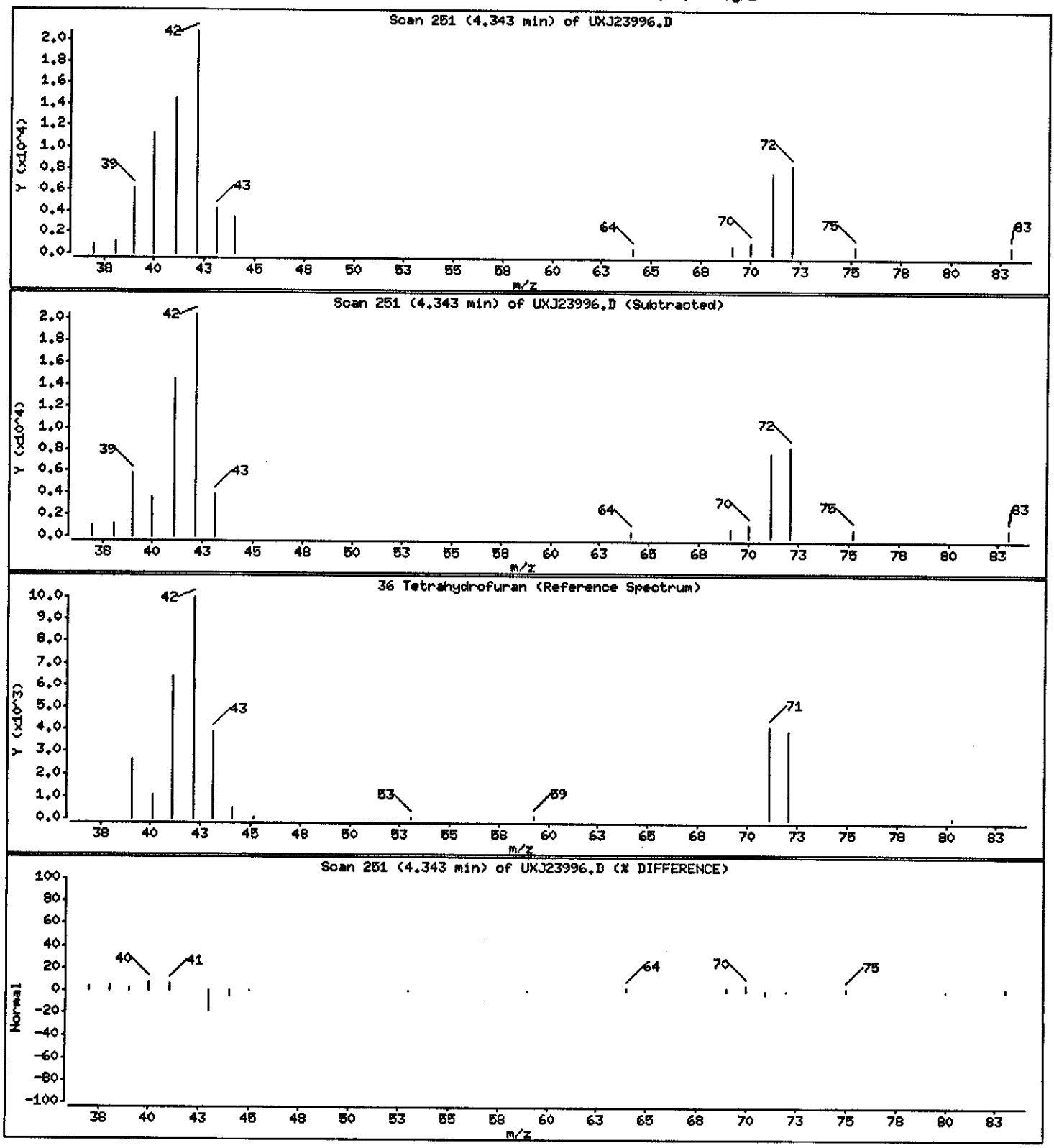
Operator: 43582

Column phase: DB624

Column diameter: 0.18

36 Tetrahydrofuran

Concentration: 2.859 ug/L



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Date : 20-SEP-2004 14:53

Client ID: TRIP BLANK

Instrument: a3ux11.i

Sample Info: GQCLA1AA,5ML/5ML

Purge Volume: 5.0

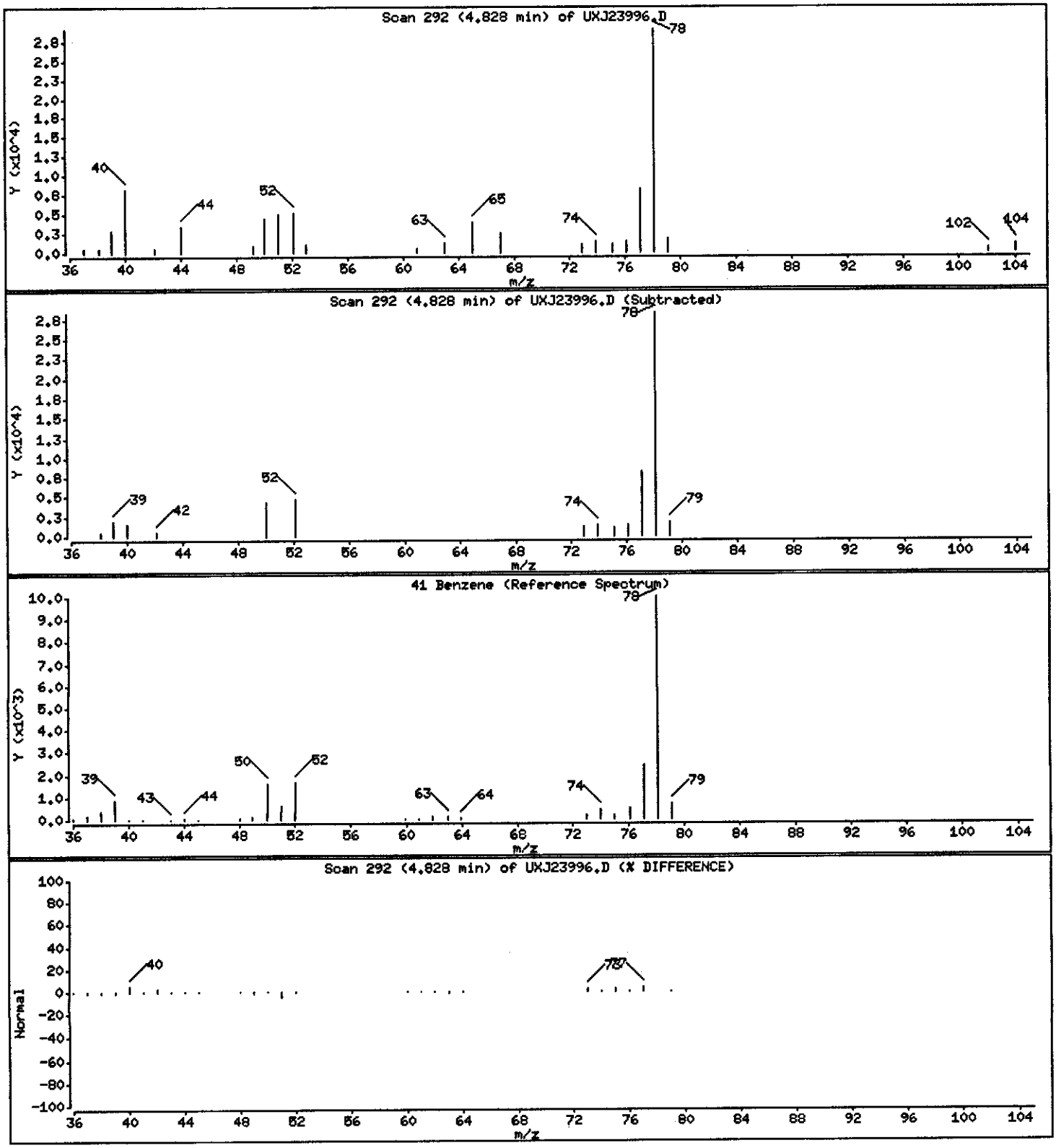
Operator: 43582

Column phase: DB624

Column diameter: 0.18

41 Benzene

Concentration: 0.2770 ug/L



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Date : 20-SEP-2004 14:53

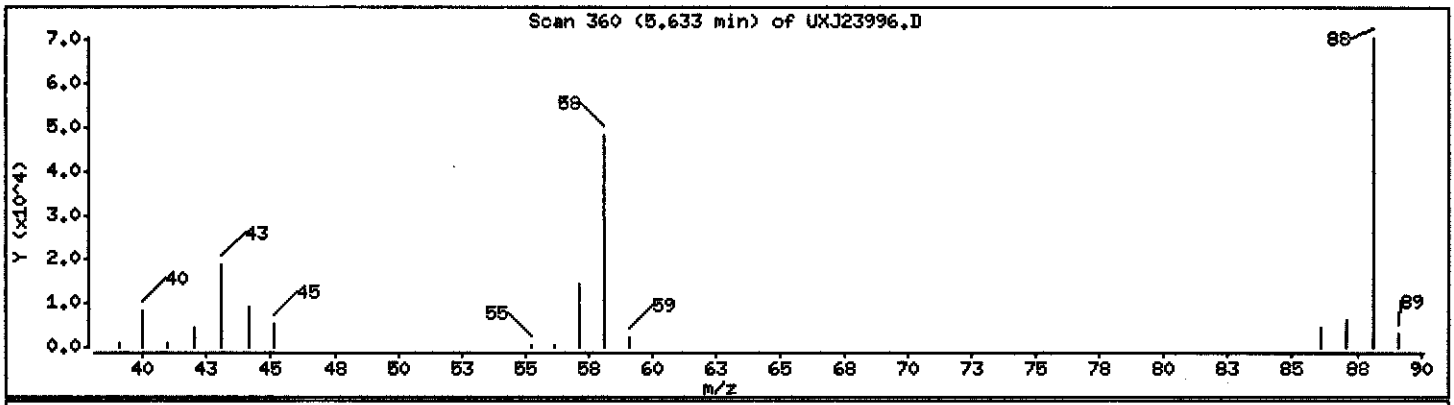
Client ID: TRIP BLANK | Instrument: a3ux11.i

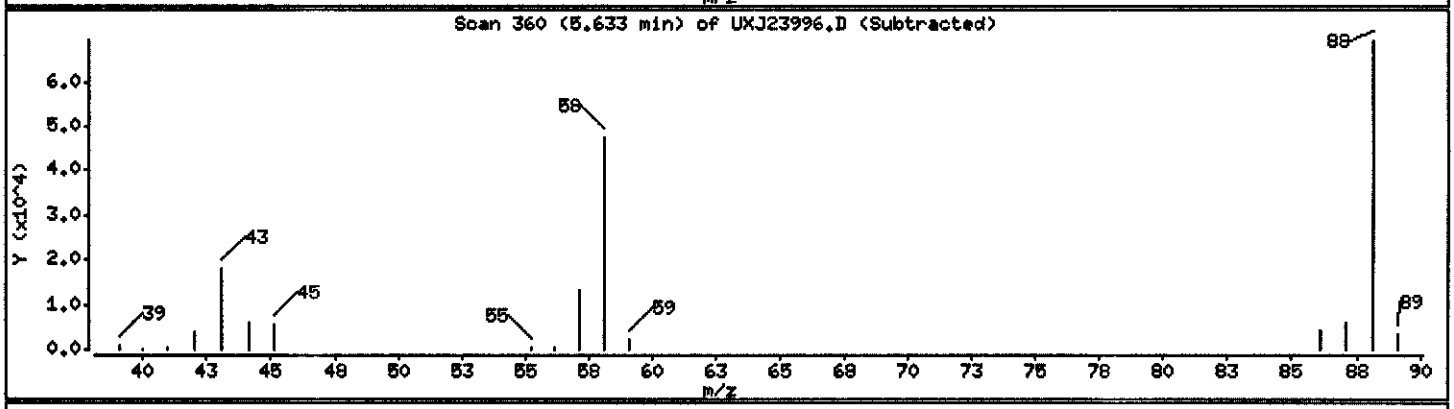
Sample Info: GQCLA1AA,5ML/5ML

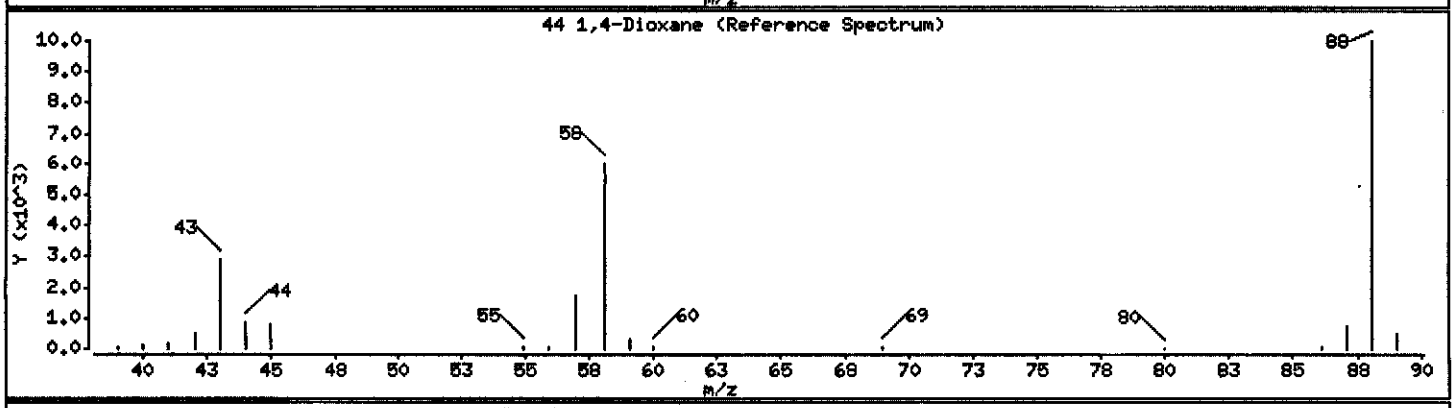
Purge Volume: 5.0 | Operator: 43582

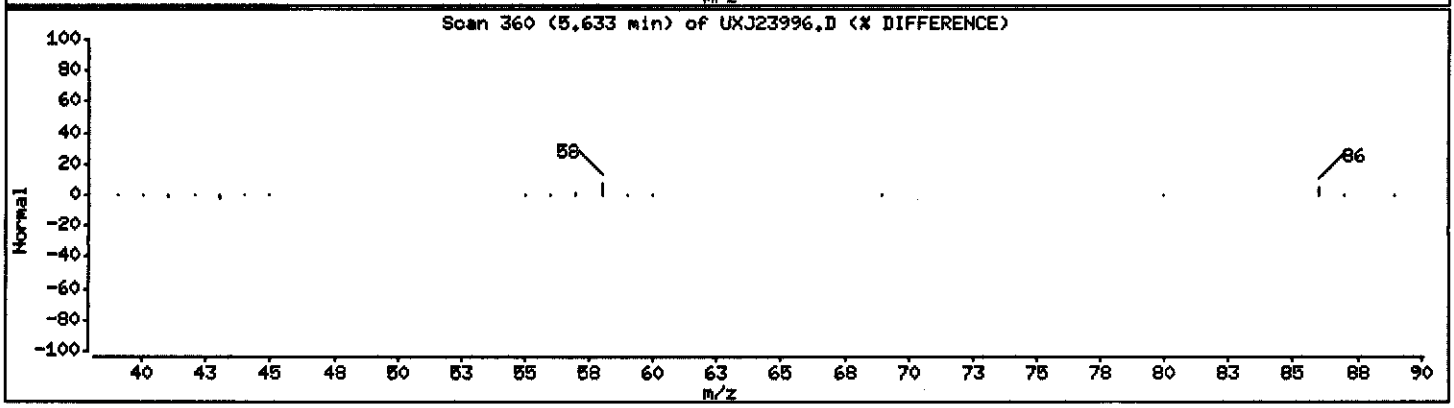
Column phase: DB624 | Column diameter: 0.18

44 1,4-Dioxane | Concentration: 316.14 ug/L









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Date : 20-SEP-2004 14:53

Client ID: TRIP BLANK

Instrument: a3ux11.i

Sample Info: GQCLA1AA,5ML/5ML

Purge Volume: 5.0

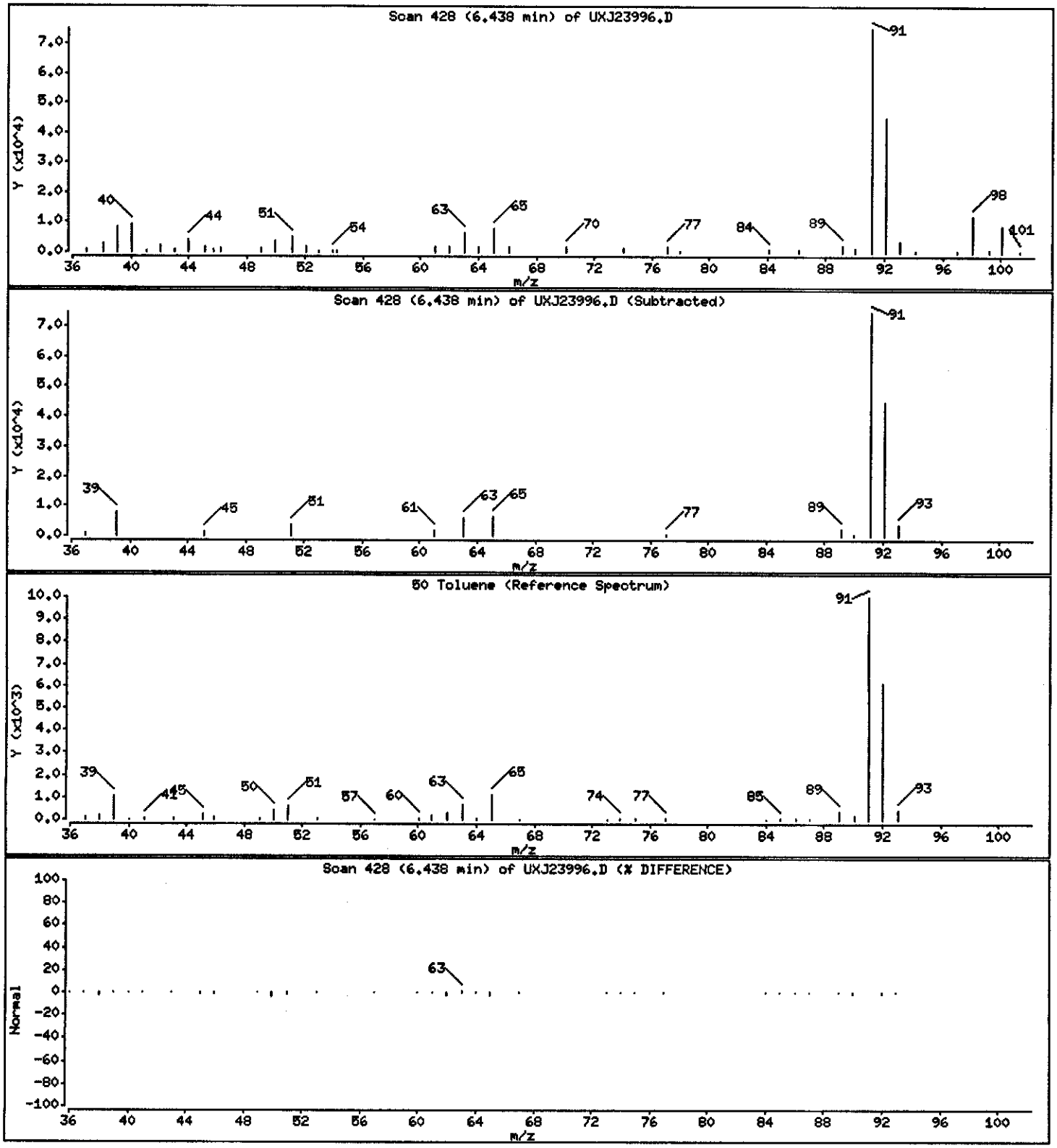
Operator: 43582

Column phase: DB624

Column diameter: 0.18

50 Toluene

Concentration: 0.5718 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23996.D

Date : 20-SEP-2004 14:53

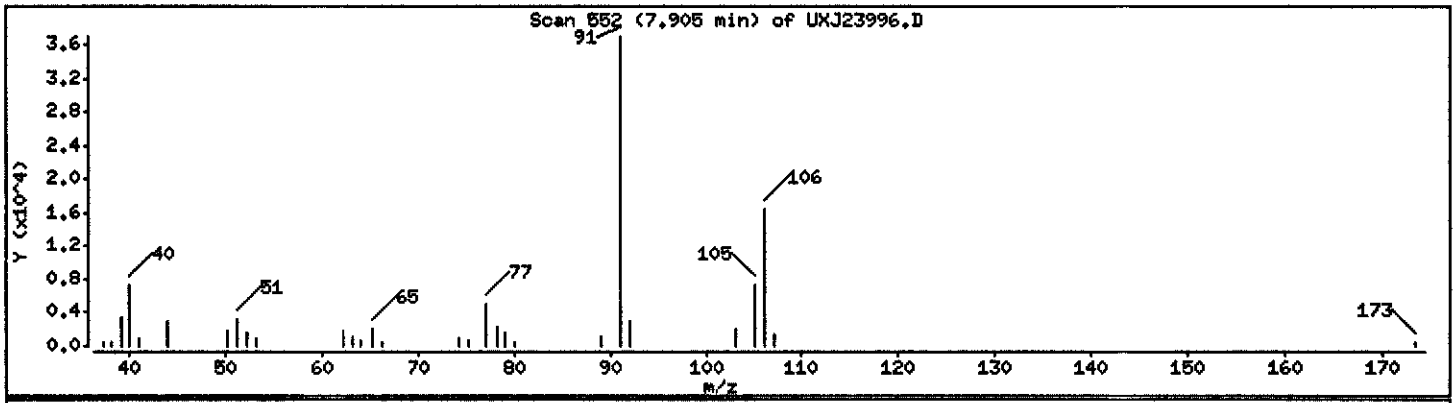
Client ID: TRIP BLANK | Instrument: a3ux11.i

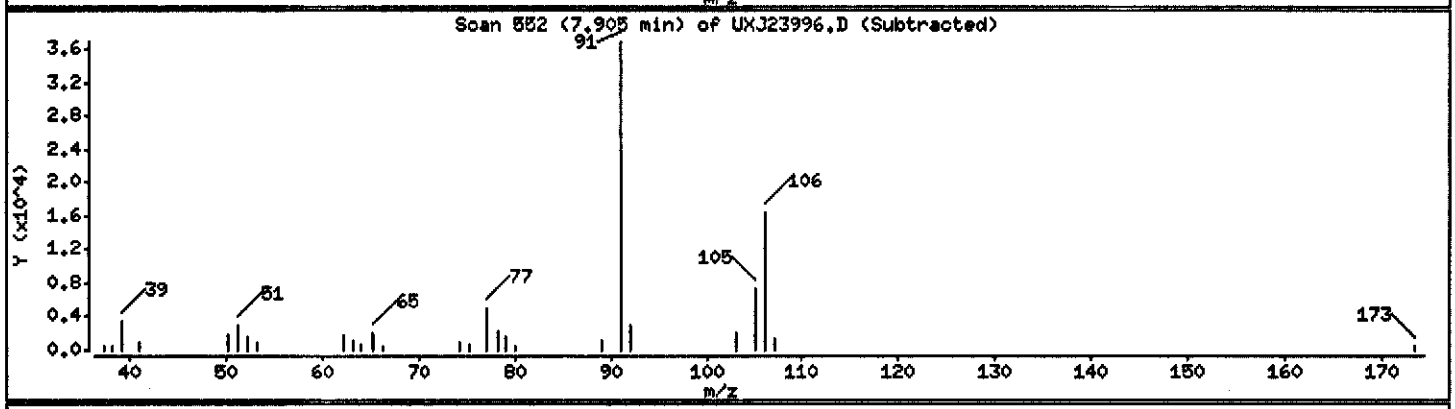
Sample Info: GQCLA1AA,5ML/5ML

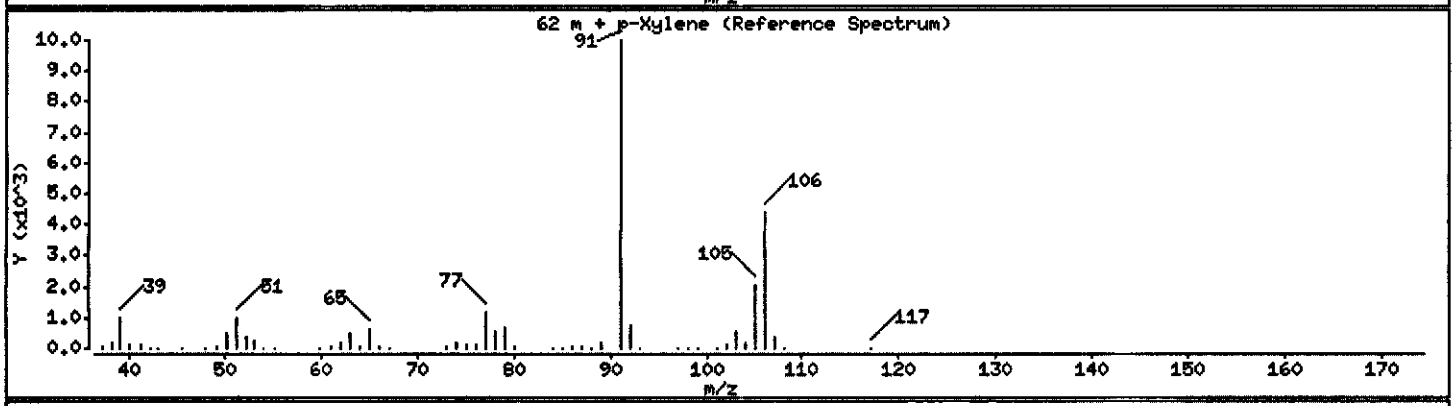
Purge Volume: 5.0 | Operator: 43582

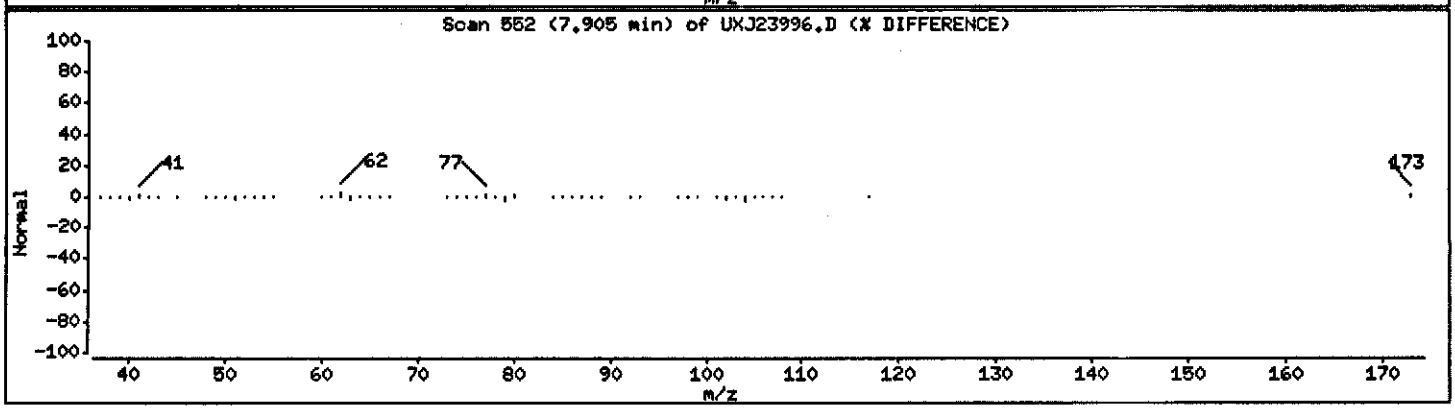
Column phase: DB624 | Column diameter: 0.18

62 m + p-Xylene | Concentration: 0.3004 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23996.D

Date : 20-SEP-2004 14:53

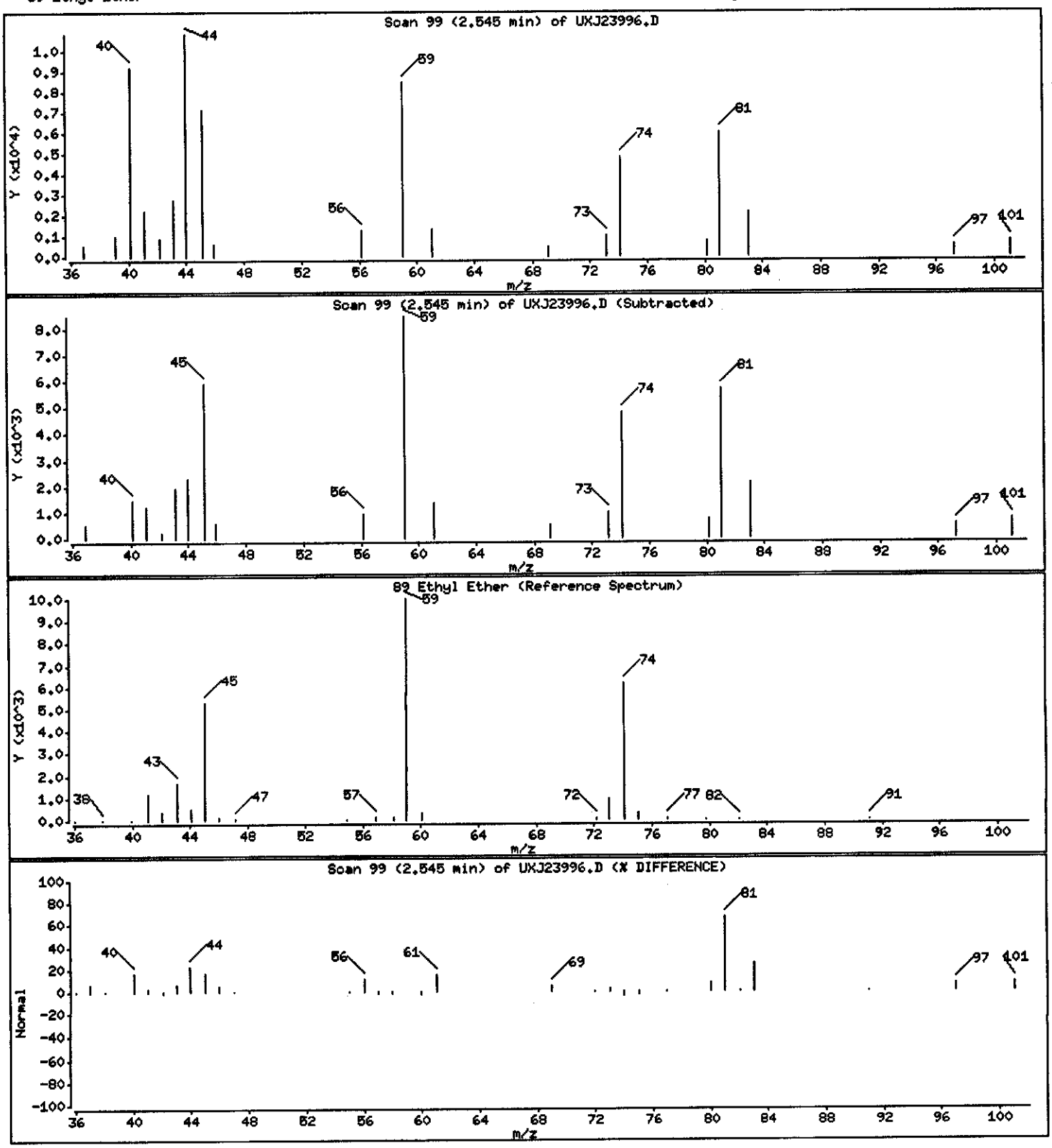
Client ID: TRIP BLANK | Instrument: a3ux11.i

Sample Info: GQCLA1AA,5ML/5ML

Purge Volume: 5.0 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

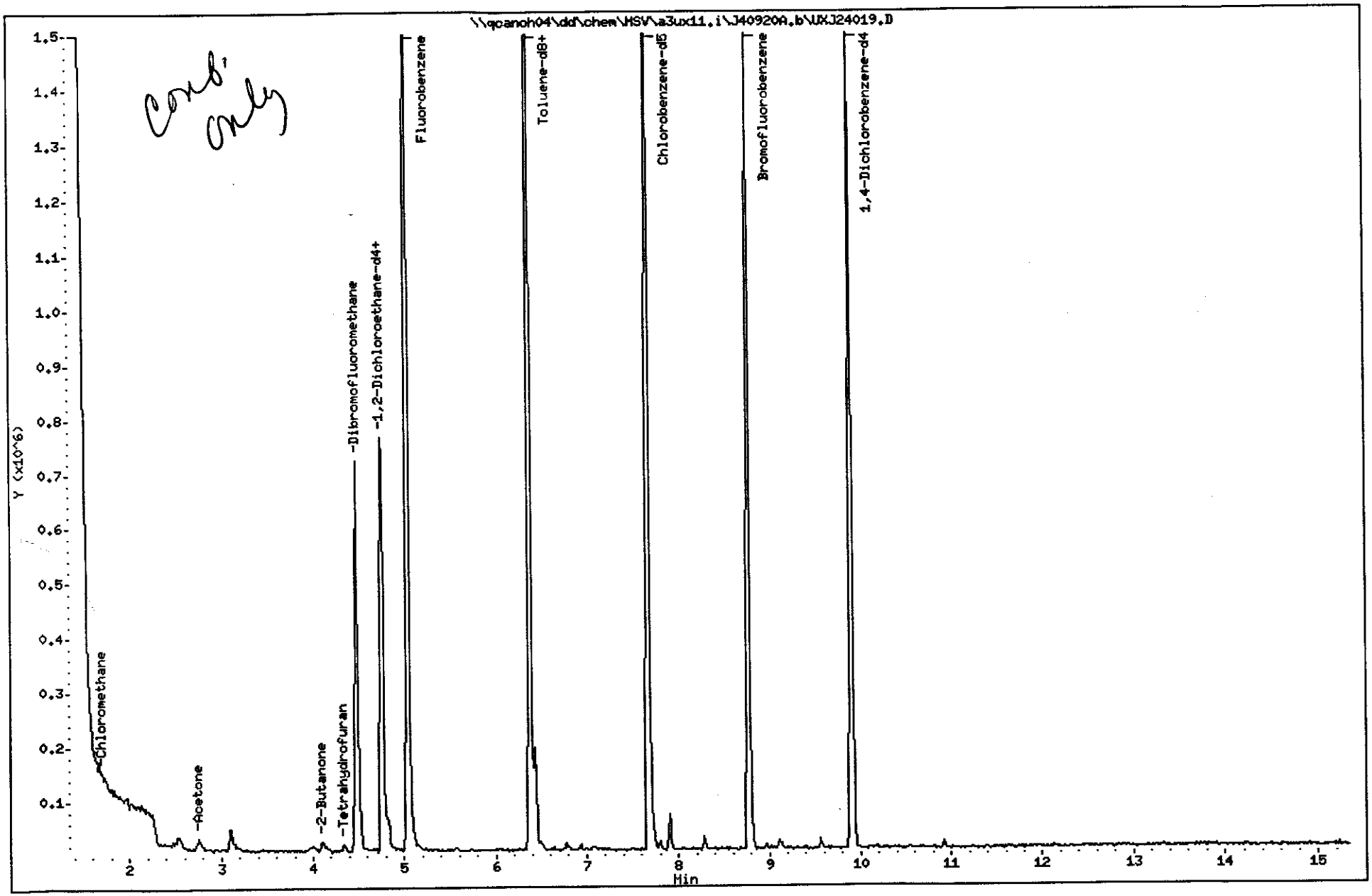
89 Ethyl Ether | Concentration: 0.4124 ug/L



Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40920A.b\UXJ24019.D
Date : 20-SEP-2004 23:34
Client ID: TRIP BLANK
Sample Info: GQCLA1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i

Operator: 43582
Column diameter: 0.18



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Report Date: 21-Sep-2004 09:29

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ24019.D
Lab Smp Id: GQCLA1AA Client Smp ID: TRIP BLANK
Inj Date : 20-SEP-2004 23:34
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GQCLA1AA,5ML/5ML
Misc Info : J40920A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40920A.b\8260LLUX11.m
Meth Date : 21-Sep-2004 08:58 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.041	5.041	(1.000)	2136661	50.0000	
* 2 Chlorobenzene-d5	117	7.680	7.680	(1.000)	1500629	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904	(1.000)	655655	50.0000	
$ 4 Dibromofluoromethane	113	4.485	4.485	(0.890)	513738	51.6421	10.328
$ 5 1,2-Dichloroethane-d4	65	4.757	4.757	(0.944)	693892	50.7255	10.145
$ 6 Toluene-d8	98	6.378	6.378	(0.831)	1881169	52.1807	10.436
$ 7 Bromofluorobenzene	95	8.780	8.780	(1.143)	612824	40.0073	8.001
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.692	1.692	(0.336)	14758	0.73996	0.1480
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	2.757	2.745	(0.547)	44946	4.50277	0.9006
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ24019.D
Report Date: 21-Sep-2004 09:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.106	4.094	(0.815)	36787	6.28590	1.257
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	4.343	4.343	(0.862)	8018	2.63599	0.5272
	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	4.828	4.816	(0.958)	50736	1.03137	0.2063
	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	6.437	6.437	(0.838)	121321	2.70704	0.5414
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ24019.D
Report Date: 21-Sep-2004 09:29

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ24019.D
Report Date: 21-Sep-2004 09:29

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ24019.D
Lab Smp Id: GQCLA1AA Client Smp ID: TRIP BLANK
Inj Date : 20-SEP-2004 23:34
Operator : 43582 Inst ID: a3ux11.i
Smp Info : GQCLA1AA,5ML/5ML
Misc Info : J40920A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40920A.b\8260LLUX11.m
Meth Date : 21-Sep-2004 08:58 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ24019.D
Report Date: 21-Sep-2004 09:29

STL North Canton

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: a3ux11.i
Lab File ID: UXJ24019.D
Lab Smp Id: GQCLA1AA
Analysis Type: VOA
Quant Type: ISTD
Operator: 43582
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40920A.b\8260LLUX11.m
Misc Info: J40920A,8260LLUX11,,43582

Calibration Date: 20-SEP-2004
Calibration Time: 11:46
Client Smp ID: TRIP BLANK
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Fluorobenzene	2548166	1274083	5096332	2136661	-16.15
2 Chlorobenzene-d5	1734613	867307	3469226	1500629	-13.49
3 1,4-Dichlorobenze	829021	414511	1658042	655655	-20.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Fluorobenzene	5.04	4.54	5.54	5.04	-0.00
2 Chlorobenzene-d5	7.68	7.18	8.18	7.68	-0.00
3 1,4-Dichlorobenze	9.90	9.40	10.40	9.90	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ24019.D
Report Date: 21-Sep-2004 09:29

STL North Canton

RECOVERY REPORT

Client Name: PAYNE FIRM INC.
Sample Matrix: LIQUID
Lab Smp Id: GQCLA1AA
Level: LOW
Data Type: MS DATA
SpikeList File: chk.spk
Sublist File: 4-8260+IX.sub
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40920A.b\8260LLUX11.m
Misc Info: J40920A,8260LLUX11,,43582

Client SDG: 4I16150
Fraction: VOA
Client Smp ID: TRIP BLANK
Operator: 43582
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	10.328	103.28	73-122
$ 5 1,2-Dichloroethane	10.000	10.145	101.45	61-128
$ 6 Toluene-d8	10.000	10.436	104.36	76-110
$ 7 Bromofluorobenzene	10.000	8.001	80.01	74-116

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ24019.D

Date : 20-SEP-2004 23:34

Client ID: TRIP BLANK

Instrument: a3ux11.i

Sample Info: GQCLA1AA,5ML/5ML

Purge Volume: 5.0

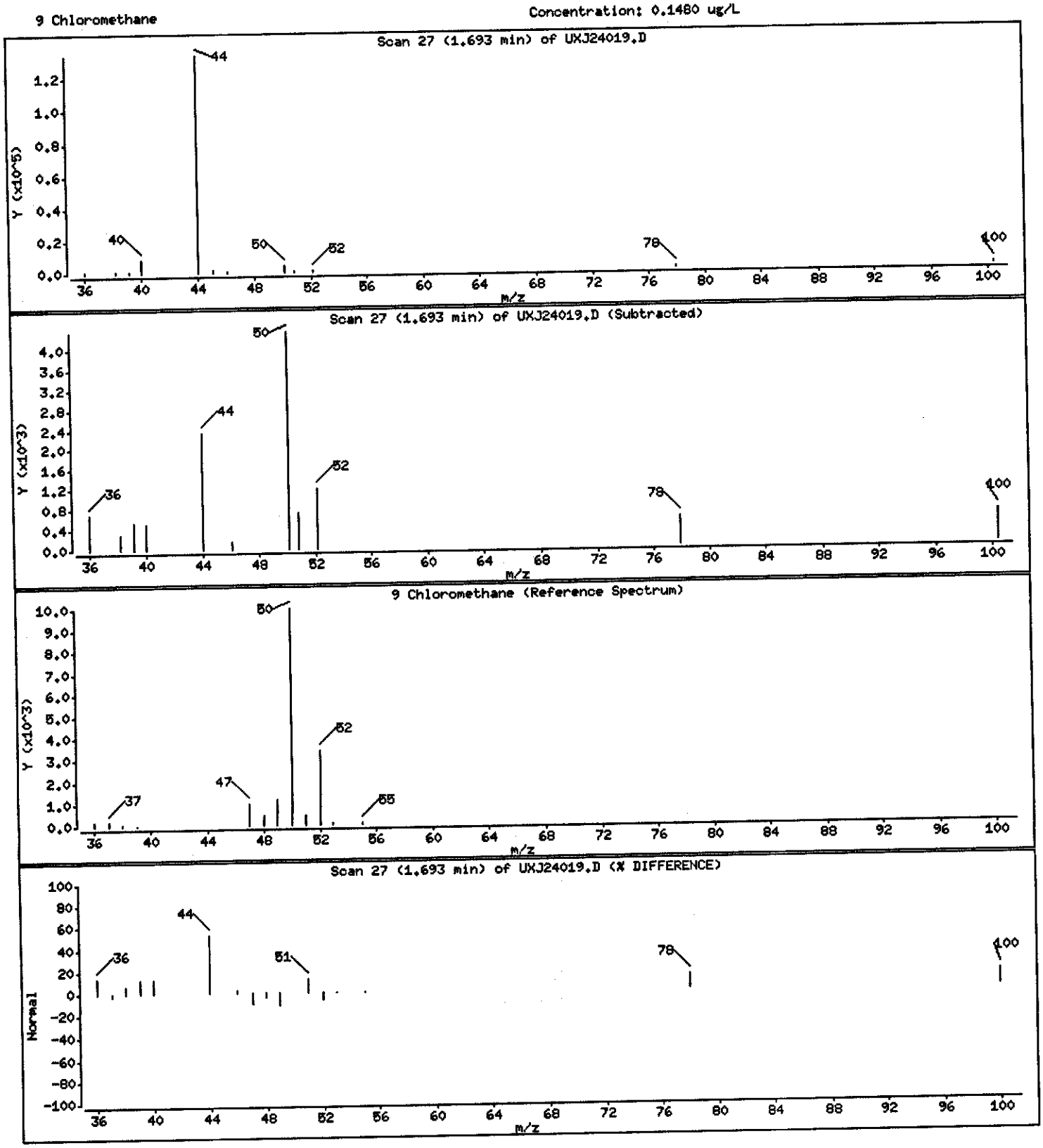
Operator: 43582

Column phase: DB624

Column diameter: 0.18

9 Chloromethane

Concentration: 0.1480 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ24019.D

Date : 20-SEP-2004 23:34

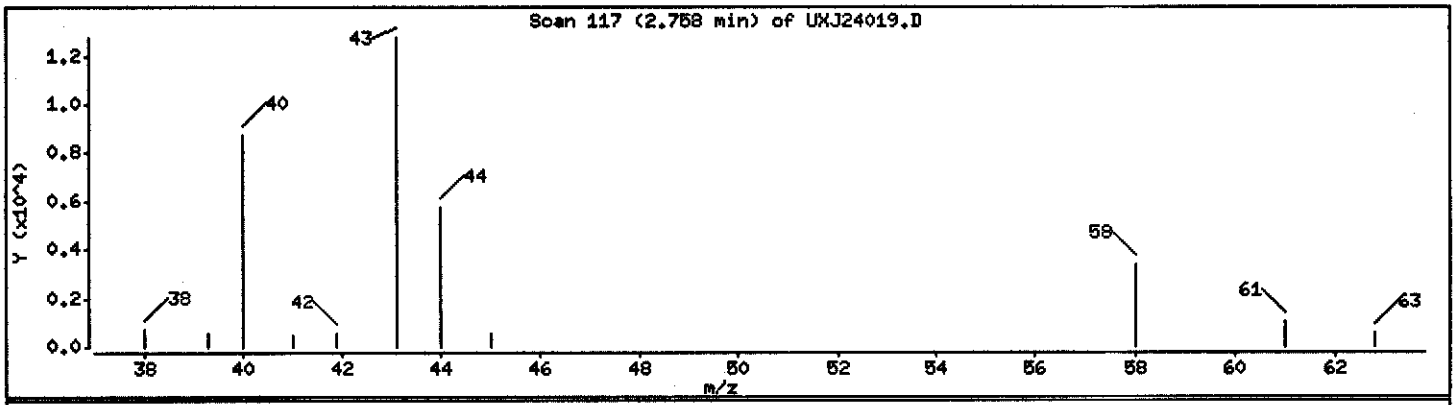
Client ID: TRIP BLANK | Instrument: a3ux11.i

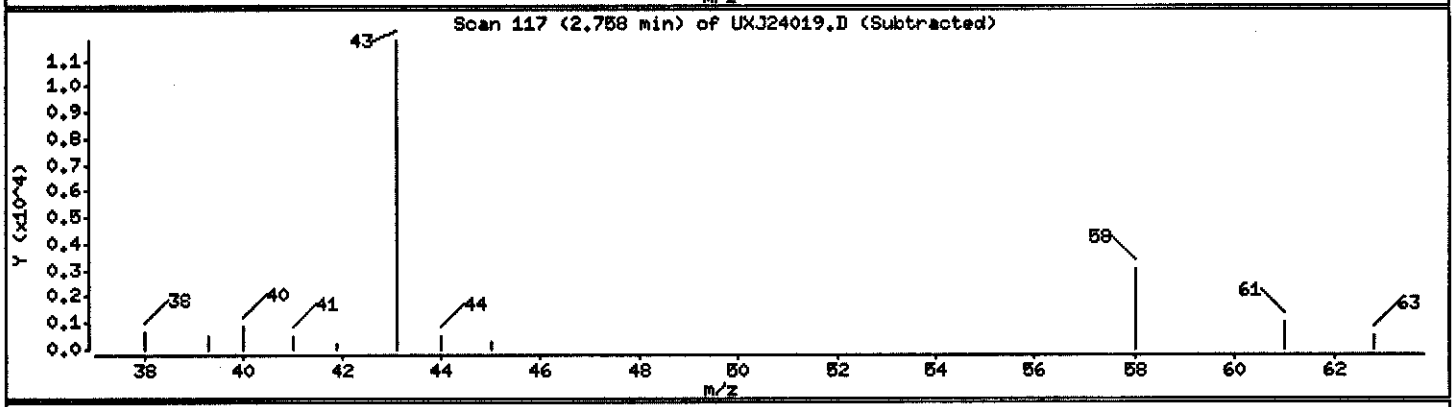
Sample Info: GQCLA1AA,5ML/5ML

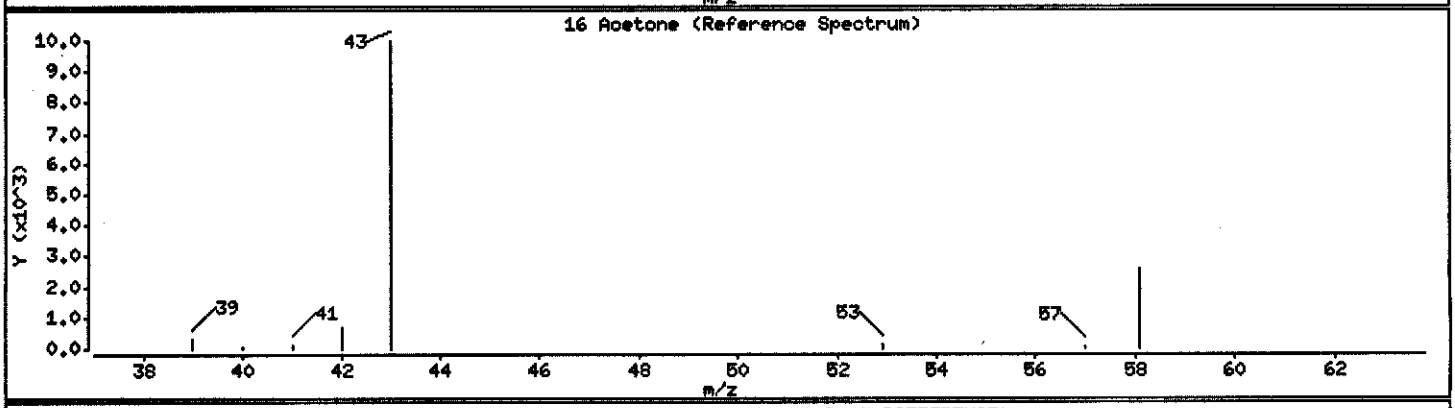
Purge Volume: 5.0 | Operator: 43582

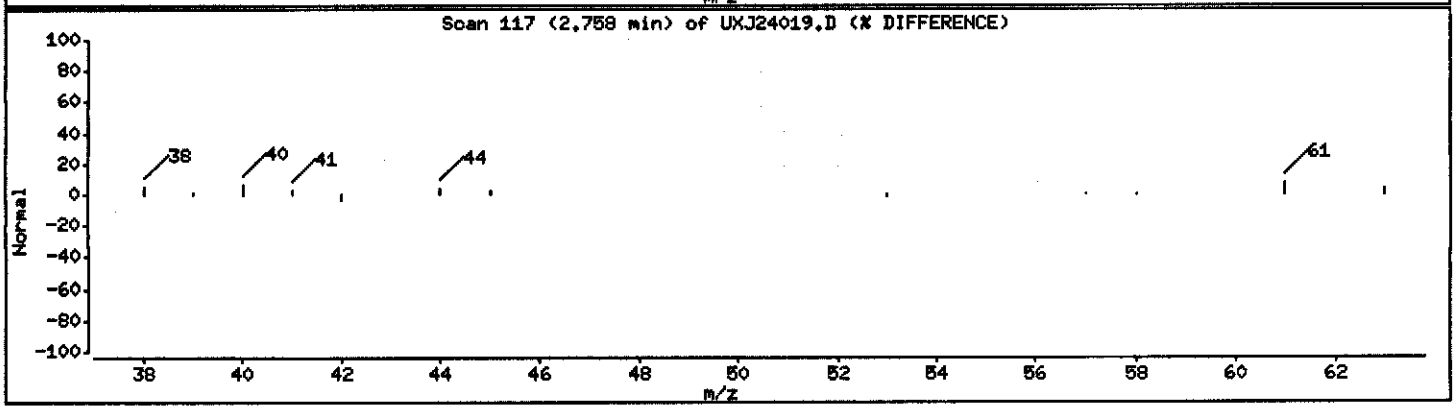
Column phase: DB624 | Column diameter: 0.18

16 Acetone | Concentration: 0.9006 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ24019.D

Date : 20-SEP-2004 23:34

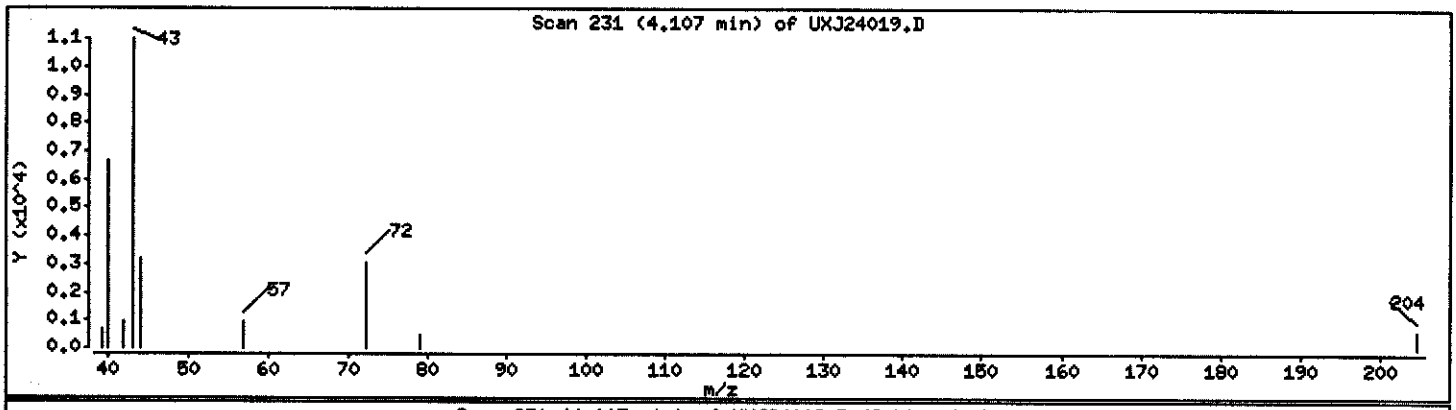
Client ID: TRIP BLANK | Instrument: a3ux11.i

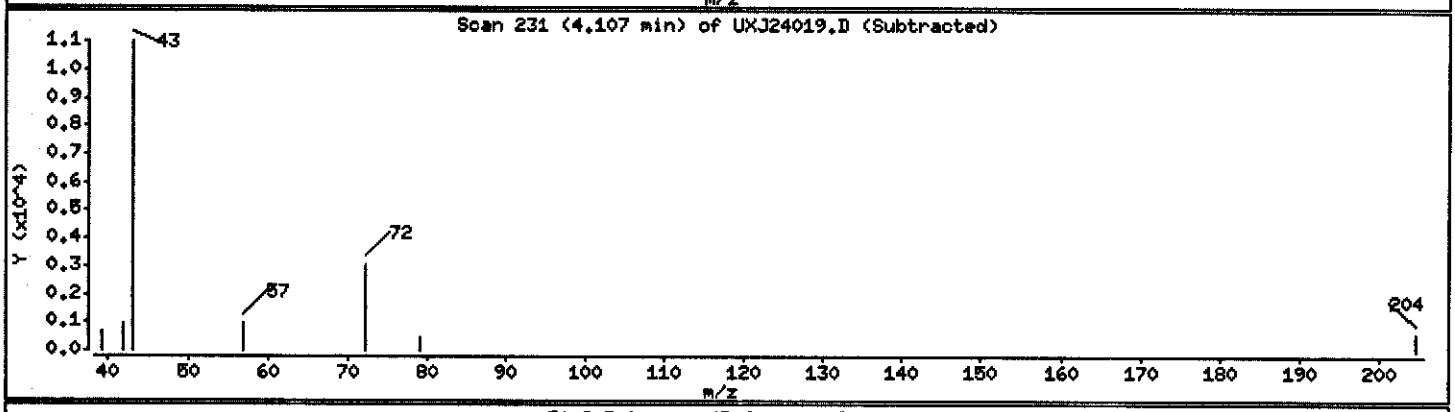
Sample Info: GQCLA1AA,5ML/5ML

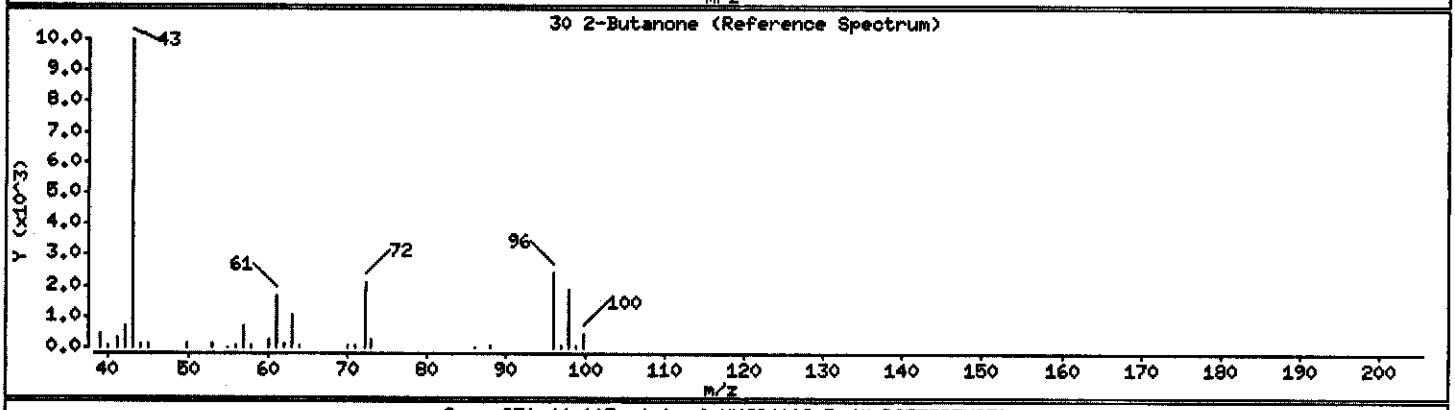
Purge Volume: 5.0 | Operator: 43582

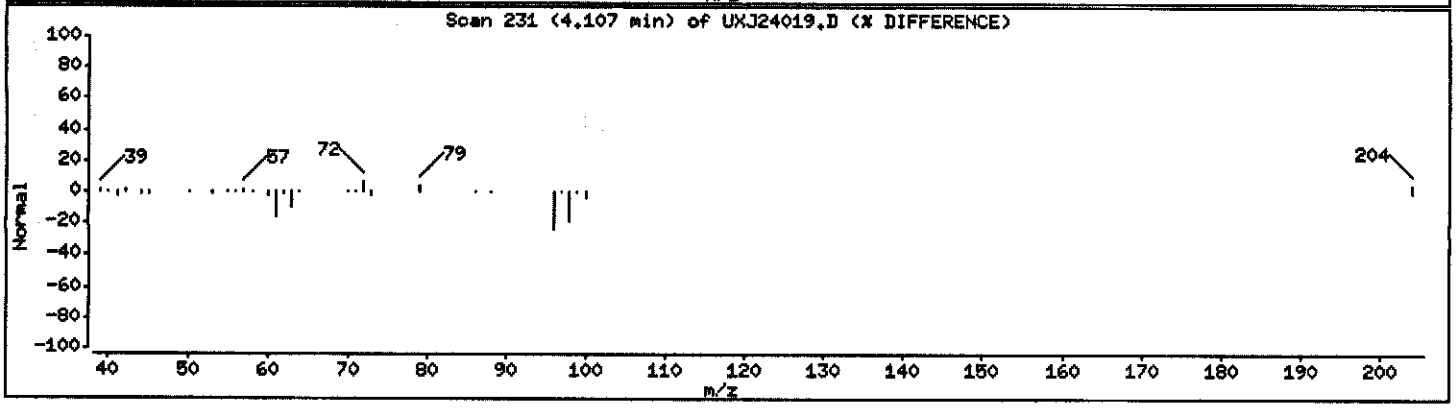
Column phase: DB624 | Column diameter: 0.18

30 2-Butanone | Concentration: 1.257 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ24019.D

Date : 20-SEP-2004 23:34

Client ID: TRIP BLANK

Instrument: a3ux11.i

Sample Info: GQCLA1AA,5ML/5ML

Purge Volume: 5.0

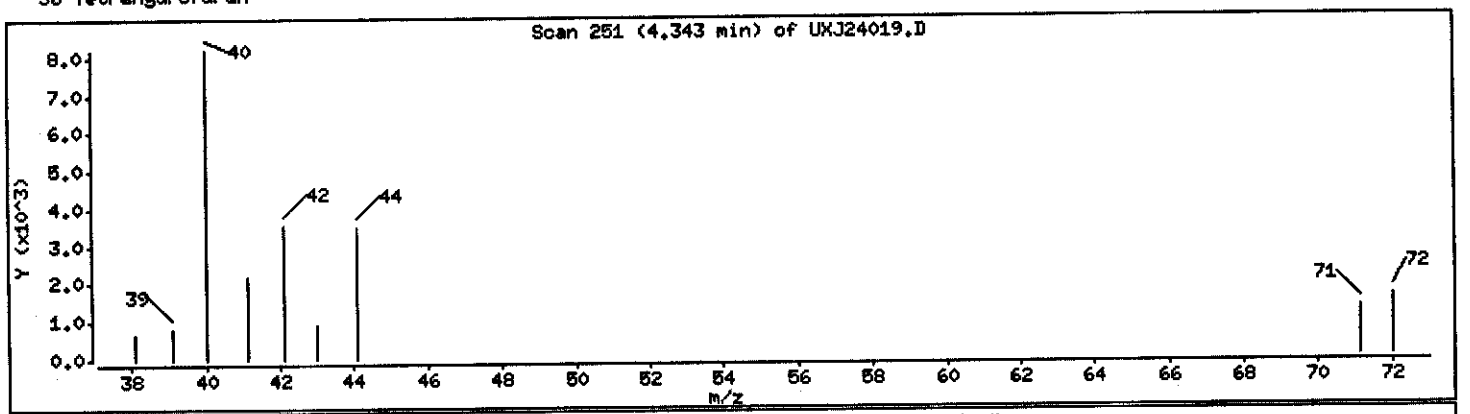
Operator: 43582

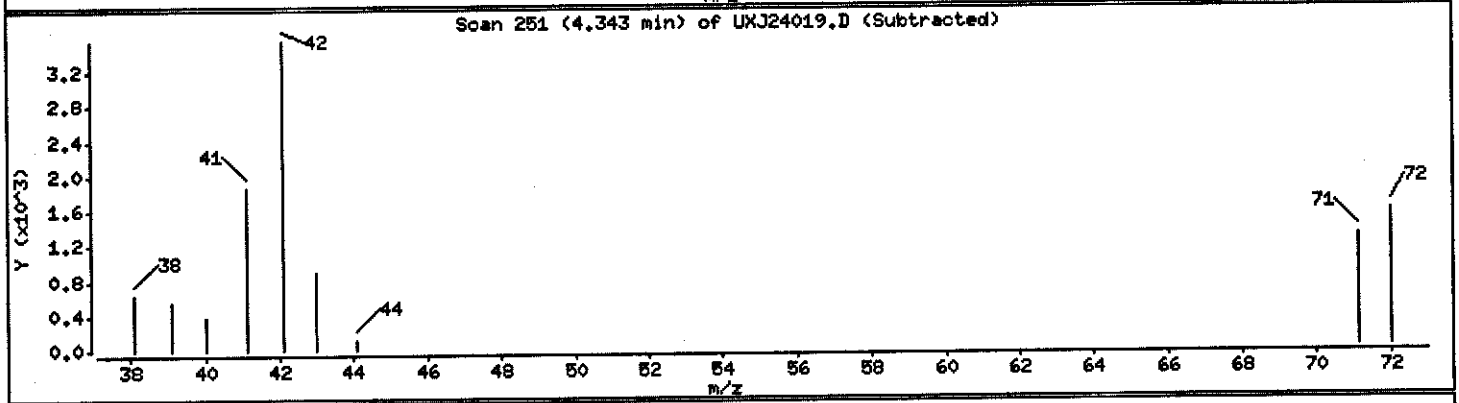
Column phase: DB624

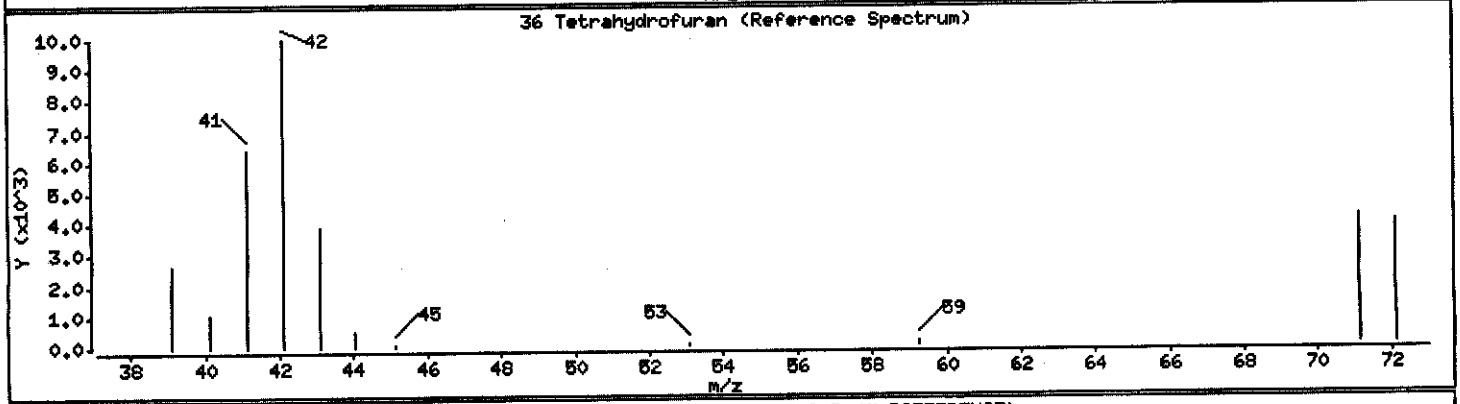
Column diameter: 0.18

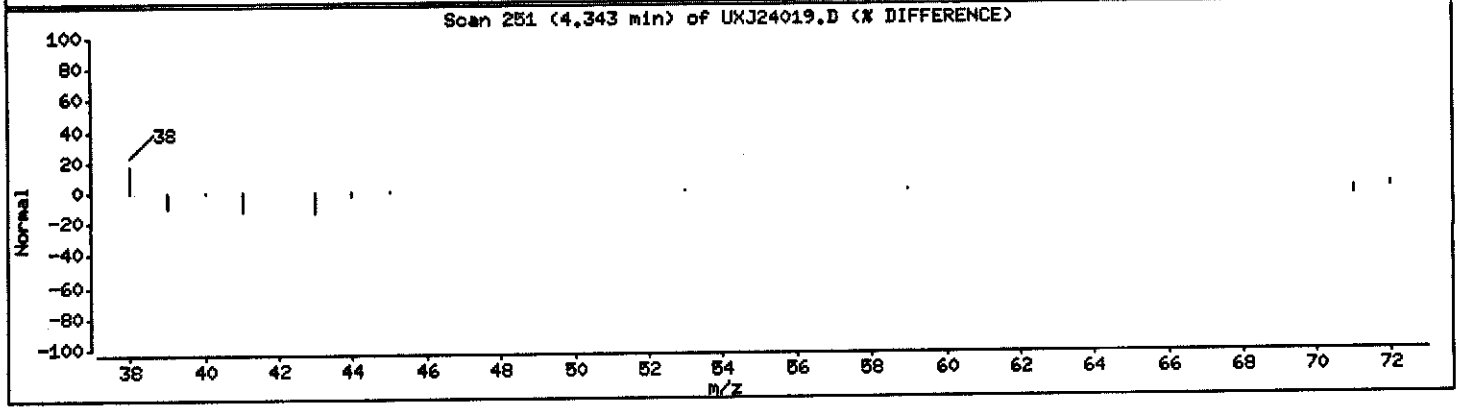
36 Tetrahydrofuran

Concentration: 0.5272 ug/L









Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40920A.b\UXJ24019.D

Date : 20-SEP-2004 23:34

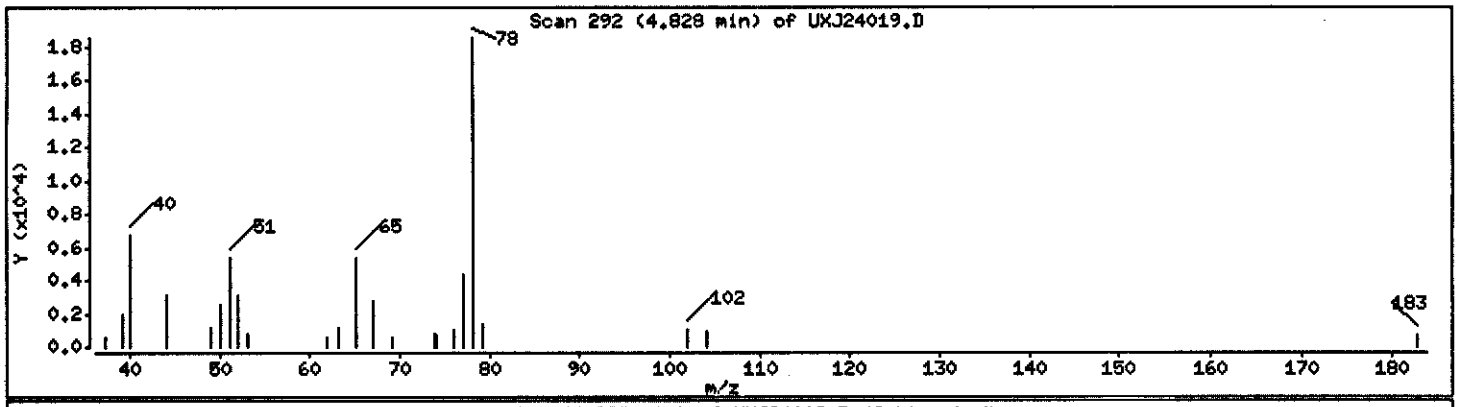
Client ID: TRIP BLANK | Instrument: a3ux11.i

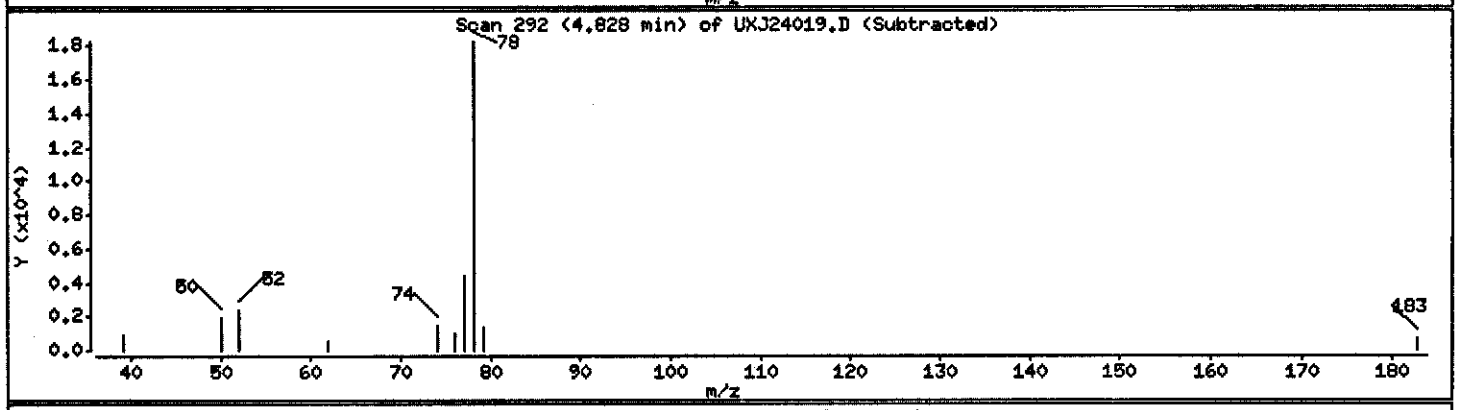
Sample Info: GQCLA1AA,5ML/5ML

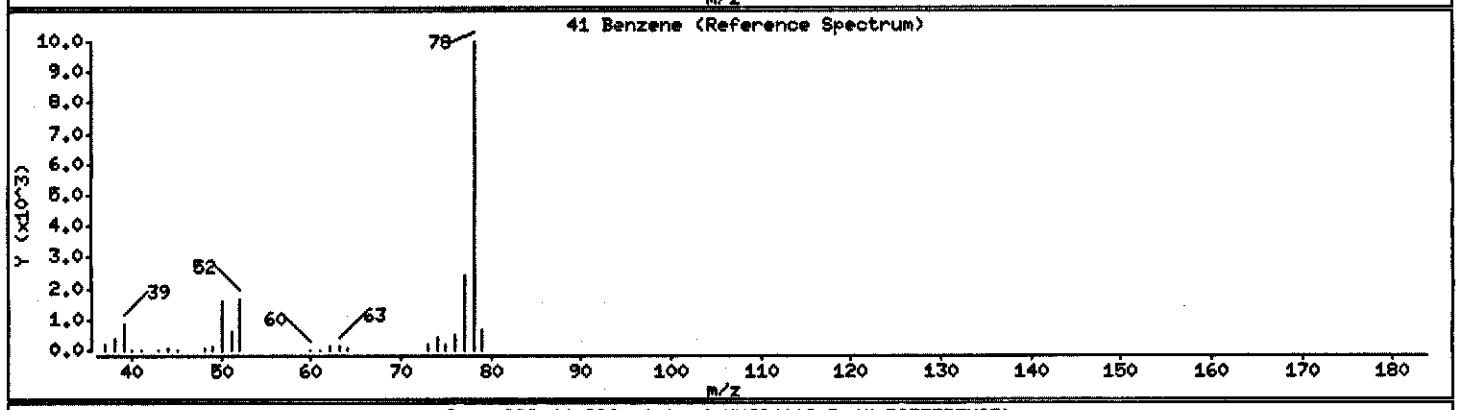
Purge Volume: 5.0 | Operator: 43582

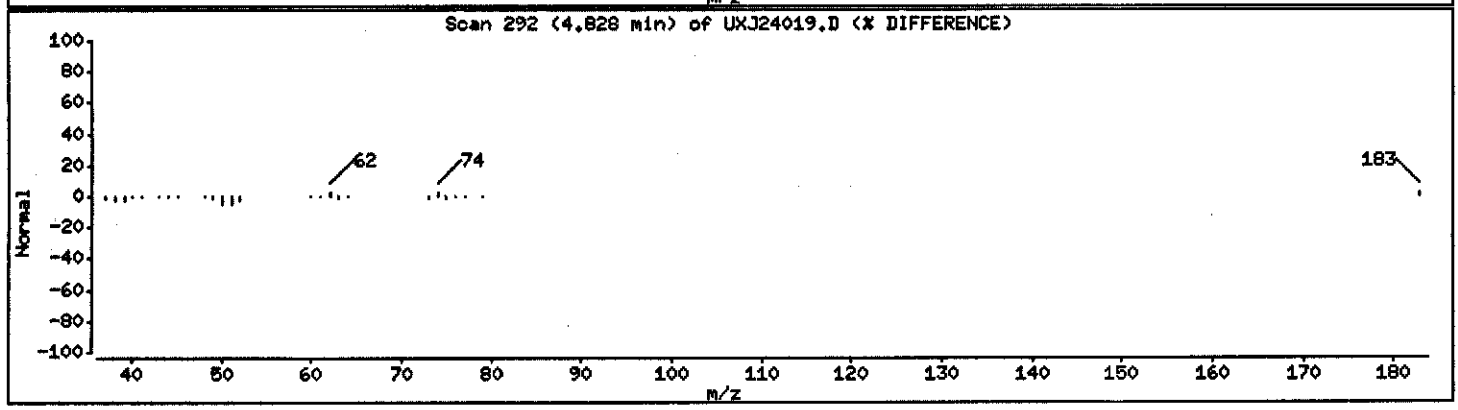
Column phase: DB624 | Column diameter: 0.18

41 Benzene | Concentration: 0.2063 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ24019.D

Date : 20-SEP-2004 23:34

Client ID: TRIP BLANK

Instrument: a3ux11.i

Sample Info: GQCLA1AA,5ML/5ML

Purge Volume: 5.0

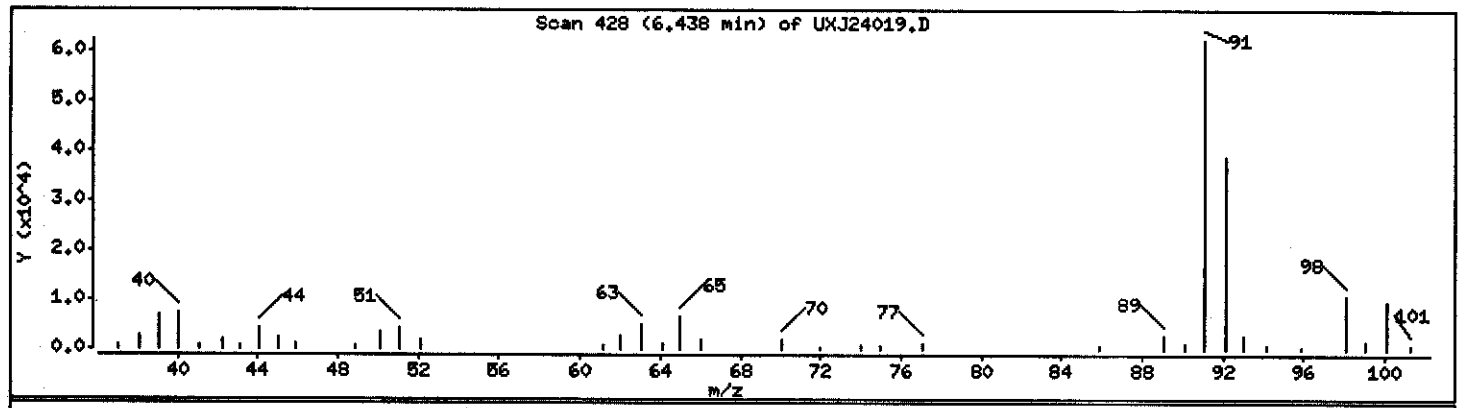
Operator: 43582

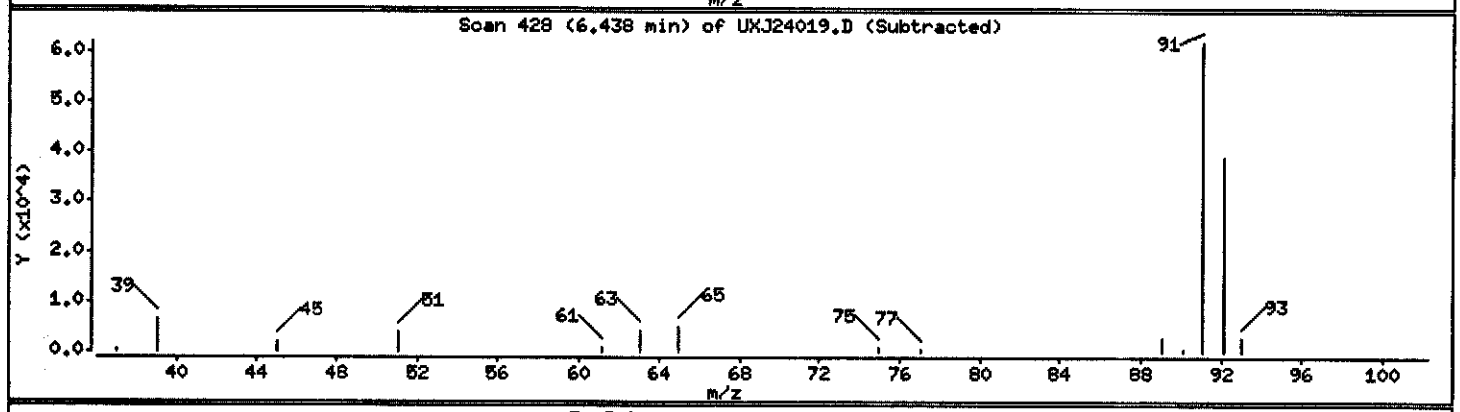
Column phase: DB624

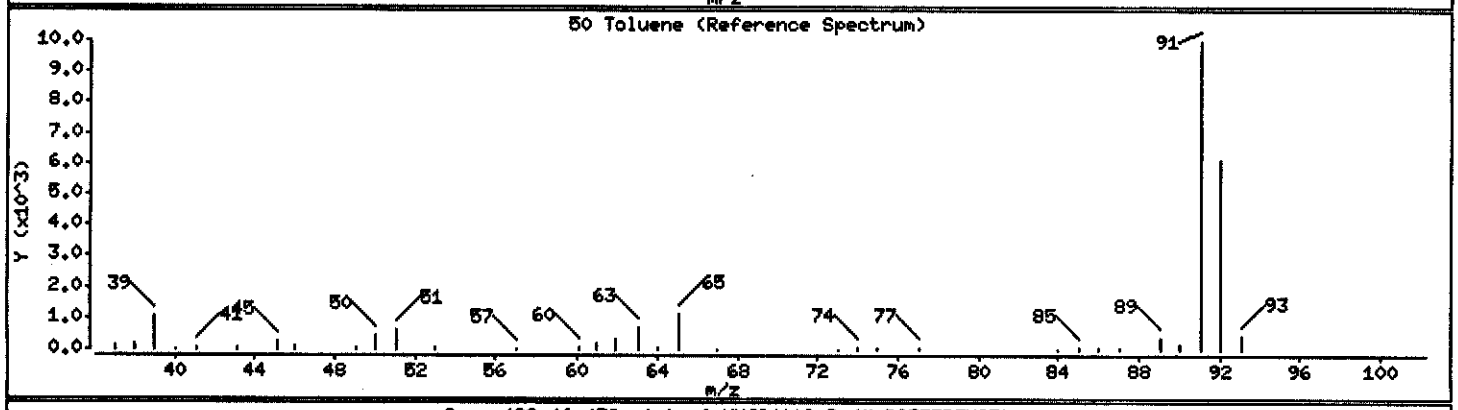
Column diameter: 0.18

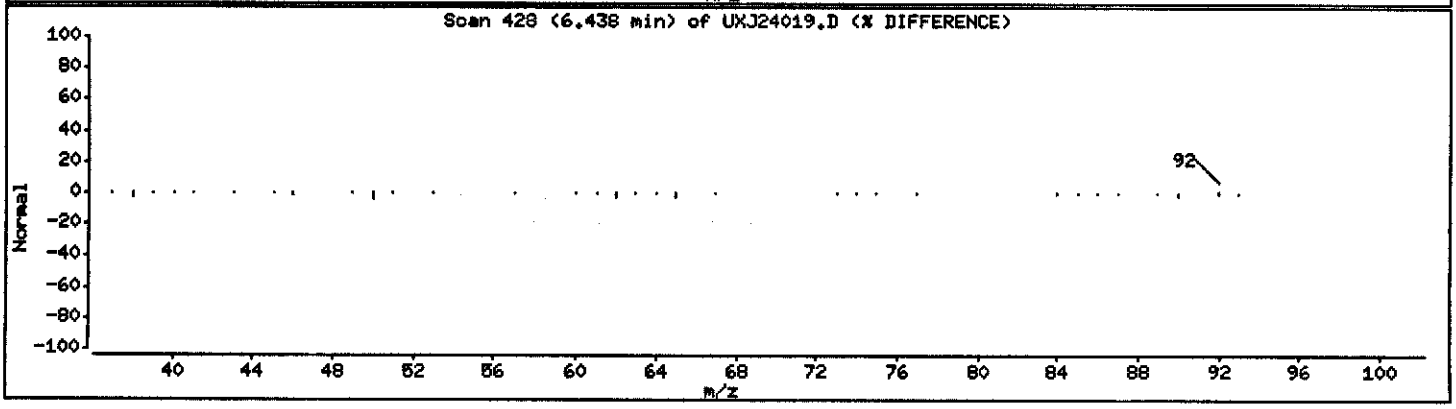
50 Toluene

Concentration: 0.5414 ug/L









SEVERN TRENT STL

STANDARD DATA

Report Date: 14-Sep-2004 17:02

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Start Cal Date: 16-AUG-2004 16:18
End Cal Date : 14-SEP-2004 15:41
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
14-SEP-2004 15:41	2-8260	UXJ23875.D
16-AUG-2004 18:11	3-IX	UXJ23214.D
Cal Level: 2 , Cal Amount: 10.000		
14-SEP-2004 15:19	2-8260	UXJ23874.D
16-AUG-2004 17:48	3-IX	UXJ23213.D
Cal Level: 3 , Cal Amount: 25.000		
14-SEP-2004 14:57	2-8260	UXJ23873.D
16-AUG-2004 17:26	3-IX	UXJ23212.D
Cal Level: 4 , Cal Amount: 50.000		
14-SEP-2004 14:33	2-8260	UXJ23872.D
16-AUG-2004 17:03	3-IX	UXJ23211.D
Cal Level: 5 , Cal Amount: 100.00		
14-SEP-2004 14:10	2-8260	UXJ23871.D
16-AUG-2004 16:40	3-IX	UXJ23210.D
Cal Level: 6 , Cal Amount: 200.00		
14-SEP-2004 13:48	2-8260	UXJ23870.D
16-AUG-2004 16:18	3-IX	UXJ23209.D

Continuing Calibration

14-SEP-2004 14:33	2-8260	UXJ23872.D

Report Date : 14-Sep-2004 17:02

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
End Cal Date : 14-SEP-2004 15:41
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Cal Date : 14-Sep-2004 16:57 tapsvc
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23875.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23874.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23873.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23872.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23871.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23870.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	0.28836	0.23754	0.28173	0.25161	0.24515	0.26401	0.26140	7.796
	9 Chloromethane	0.55674	0.49898	0.45483	0.43875	0.42154	0.42948	0.46672	11.132
	10 Vinyl Chloride	0.32349	0.31847	0.33246	0.31180	0.29804	0.33125	0.31925	4.066
	11 Bromomethane	0.17259	0.16446	0.14190	0.15123	0.13819	0.14020	0.15143	9.386
	12 Chloroethane	0.23244	0.24693	0.24362	0.23419	0.22089	0.22969	0.23463	4.043
	13 Trichlorofluoromethane	0.38407	0.31147	0.34717	0.32533	0.30602	0.33365	0.33462	8.499
	14 Dichlorofluoromethane	0.45871	0.50000	0.48561	0.49154	0.48286	0.49097	0.48495	2.915
	15 Acrolein	0.03199	0.03065	0.03129	0.03093	0.03156	0.03098	0.03123	1.551
	16 Acetone	0.16115	0.13958	0.11422	0.11384	0.10613	0.10203	0.12282	18.621
	17 1,1-Dichloroethene	0.24613	0.23009	0.19938	0.23265	0.20714	0.22623	0.22360	7.735
	18 Freon-113	0.16870	0.16626	0.10968	0.16762	0.13496	0.15980	0.15117	15.834
	19 Iodomethane	0.31149	0.34851	0.32631	0.33364	0.33020	0.33284	0.33050	3.627
	20 Carbon Disulfide	0.91244	0.87319	0.74270	0.85398	0.78522	0.84395	0.83525	7.360
	21 Methylene Chloride	0.75227	0.54750	0.35921	0.31815	0.29068	0.28051	0.42472	44.272
	22 Acetonitrile	0.03290	0.03019	0.03062	0.02865	0.02976	0.02592	0.02967	7.789
	23 Acrylonitrile	0.09137	0.09573	0.09318	0.09088	0.09229	0.09022	0.09228	2.153
	24 Methyl tert-butyl ether	0.65699	0.67280	0.74332	0.74432	0.74979	0.73394	0.71686	5.703
	25 trans-1,2-Dichloroethene	0.28262	0.27489	0.25328	0.26749	0.25617	0.25710	0.26526	4.435
	26 Hexane	0.05179	0.04861	0.03324	0.04941	0.04250	0.04921	0.04579	15.039
	27 Vinyl acetate	0.41519	0.38277	0.42613	0.42027	0.44948	0.45290	0.42446	6.033
	28 1,1-Dichloroethane	0.51364	0.49348	0.46074	0.48352	0.47362	0.47833	0.48389	3.753
	29 tert-Butyl Alcohol	0.02052	0.02018	0.01934	0.01924	0.01980	0.01761	0.01945	5.262
	30 2-Butanone	0.15894	0.12780	0.13677	0.13376	0.13540	0.12902	0.13695	8.281
M	31 1,2-Dichloroethene (total)	0.28520	0.28491	0.26194	0.27101	0.26404	0.26479	0.27198	3.886
	32 cis-1,2-dichloroethene	0.28778	0.29492	0.27061	0.27453	0.27191	0.27248	0.27870	3.636

Report Date : 14-Sep-2004 17:02

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
End Cal Date : 14-SEP-2004 15:41
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Cal Date : 14-Sep-2004 16:57 tapsvc
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD	
	33 2,2-Dichloropropane	0.29593	0.30774	0.27673	0.29383	0.28018	0.29523	0.29161	3.907	
	34 Bromochloromethane	0.12769	0.14200	0.12631	0.12865	0.12580	0.12388	0.12906	5.074	
	35 Chloroform	0.51012	0.50575	0.47005	0.48650	0.47366	0.47250	0.48643	3.631	
	36 Tetrahydrofuran	0.10018	0.08347	0.06844	0.07301	0.07510	0.07044	0.07844	15.112	
	37 1,1,1-Trichloroethane	0.39287	0.37451	0.33541	0.38300	0.34846	0.36998	0.36737	5.878	
	38 1,1-Dichloropropene	0.34921	0.35729	0.30656	0.35792	0.32912	0.35428	0.34240	6.001	
	39 Carbon Tetrachloride	0.30286	0.29259	0.24537	0.31080	0.27649	0.30261	0.28845	8.383	
	40 1,2-Dichloroethane	0.40025	0.42402	0.38489	0.39237	0.39169	0.39145	0.39745	3.498	
	41 Benzene	1.25995	1.19011	1.12471	1.13415	1.09548	1.10254	1.15116	5.467	
	42 Trichloroethene	0.27283	0.26390	0.25129	0.26732	0.25842	0.26258	0.26272	2.818	
	43 1,2-Dichloropropane	0.29669	0.30122	0.27194	0.28098	0.27691	0.27607	0.28397	4.241	
	44 1,4-Dioxane	0.00242	0.00233	0.00258	0.00261	0.00260	0.00206	0.00243	8.907	<-
	45 Dibromomethane	0.15285	0.16666	0.15233	0.15822	0.15862	0.15545	0.15736	3.340	
	46 Bromodichloromethane	0.38193	0.38487	0.36100	0.37042	0.36931	0.37381	0.37355	2.345	
	47 2-Chloroethyl vinyl ether	0.13950	0.14798	0.15985	0.16693	0.17284	0.17092	0.15967	8.385	
	48 cis-1,3-Dichloropropene	0.43417	0.47734	0.43633	0.45487	0.46634	0.47331	0.45706	4.058	
	49 4-Methyl-2-pentanone	0.23661	0.23635	0.24230	0.25213	0.25538	0.25182	0.24577	3.424	
	50 Toluene	1.48717	1.54897	1.47049	1.49192	1.46610	1.49497	1.49327	1.987	
	51 trans-1,3-Dichloropropene	0.50647	0.53118	0.51429	0.54236	0.55606	0.56198	0.53539	4.162	
	52 Ethyl Methacrylate	0.38934	0.45025	0.45000	0.48061	0.49453	0.49921	0.46066	8.865	
	53 1,1,2-Trichloroethane	0.30188	0.31382	0.29748	0.30352	0.30279	0.29789	0.30290	1.953	
	54 1,3-Dichloropropane	0.57206	0.59182	0.56392	0.55975	0.57182	0.56489	0.57071	1.996	
	55 Tetrachloroethene	0.25509	0.26206	0.22142	0.24509	0.22718	0.24073	0.24193	6.478	
	56 2-Hexanone	0.22234	0.23807	0.24231	0.24889	0.24606	0.25308	0.24179	4.486	
	57 Dibromochloromethane	0.30967	0.33372	0.31997	0.31951	0.32624	0.32930	0.32307	2.641	
	58 1,2-Dibromoethane	0.26921	0.31637	0.29041	0.30230	0.30732	0.30501	0.29844	5.561	
	59 Chlorobenzene	0.96525	1.03980	0.94396	0.94706	0.94928	0.95592	0.96688	3.777	
	60 1,1,1,2-Tetrachloroethane	0.33779	0.34414	0.32638	0.32925	0.34031	0.33757	0.33590	2.013	
	61 Ethylbenzene	0.46024	0.50768	0.46972	0.48906	0.48935	0.51358	0.48827	4.245	
	62 m + p-Xylene	0.60709	0.64675	0.61837	0.63926	0.62027	0.64155	0.62888	2.511	
M	63 Xylenes (total)	0.59346	0.64358	0.61984	0.63276	0.62064	0.64001	0.62505	2.925	
	64 Xylene-o	0.56621	0.63725	0.62277	0.61975	0.62137	0.63694	0.61738	4.252	
	65 Styrene	1.00309	1.11779	1.08299	1.11462	1.13838	1.16736	1.10404	5.143	

Report Date : 14-Sep-2004 17:02

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
End Cal Date : 14-SEP-2004 15:41
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Cal Date : 14-Sep-2004 16:57 tapsvc
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
66 Bromoform	0.20132	0.22491	0.21511	0.21840	0.22531	0.23254	0.21960	4.920
67 Isopropylbenzene	1.34498	1.36235	1.30493	1.41191	1.35691	1.46909	1.37503	4.180
68 1,1,2,2-Tetrachloroethane	0.74074	0.78253	0.73952	0.75703	0.76116	0.74128	0.75371	2.237
69 1,4-Dichloro-2-butene	0.23161	0.23946	0.23911	0.25172	0.26183	0.26419	0.24799	5.373
70 1,2,3-Trichloropropane	0.25299	0.25205	0.24157	0.24830	0.24773	0.24135	0.24733	2.016
71 Bromobenzene	0.74497	0.77908	0.72155	0.75186	0.74513	0.73336	0.74599	2.605
72 n-Propylbenzene	0.71725	0.70753	0.62905	0.72290	0.67589	0.72046	0.69551	5.299
73 2-Chlorotoluene	0.71622	0.69234	0.65887	0.70074	0.67558	0.68895	0.68879	2.887
74 1,3,5-Trimethylbenzene	2.25968	2.26774	2.20534	2.39411	2.31559	2.44388	2.31439	3.874
75 4-Chlorotoluene	0.76654	0.75820	0.70598	0.74482	0.71695	0.72231	0.73580	3.304
76 tert-Butylbenzene	1.89049	1.94223	1.70074	1.94123	1.83516	1.94010	1.87499	5.079
77 1,2,4-Trimethylbenzene	2.33163	2.49724	2.33803	2.57507	2.50096	2.58086	2.47063	4.492
78 sec-Butylbenzene	2.66025	2.55624	2.28546	2.65769	2.44749	2.62040	2.53792	5.801
79 4-Isopropyltoluene	2.02816	2.10772	1.90515	2.27140	2.10588	2.25071	2.11151	6.511
80 1,3-Dichlorobenzene	1.50394	1.41628	1.30596	1.36727	1.33637	1.33353	1.37723	5.270
81 1,4-Dichlorobenzene	1.49216	1.50657	1.37893	1.45011	1.40876	1.40879	1.44089	3.529
82 n-Butylbenzene	1.86201	1.92154	1.64744	2.01989	1.84399	2.02271	1.88626	7.389
83 1,2-Dichlorobenzene	1.44948	1.40634	1.30068	1.35160	1.32364	1.30712	1.35648	4.397
84 1,2-Dibromo-3-chloropropane	0.12641	0.12593	0.12612	0.12831	0.13070	0.12832	0.12763	1.446
85 1,2,4-Trichlorobenzene	0.56391	0.60976	0.52246	0.58135	0.57921	0.60830	0.57750	5.596
86 Hexachlorobutadiene	0.39076	0.31635	0.25219	0.27519	0.23759	0.23788	0.28500	20.941
87 Naphthalene	1.19572	1.26888	1.21865	1.39469	1.53842	1.56161	1.36300	11.780
88 1,2,3-Trichlorobenzene	0.38318	0.44192	0.36462	0.41931	0.44173	0.43401	0.41413	7.910
89 Ethyl Ether	0.26862	0.25572	0.24190	0.23691	0.23958	0.23653	0.24654	5.241
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++ <-
91 3-Chloropropene	0.08501	0.09752	0.10420	0.10696	0.10892	0.11570	0.10305	10.335
92 Isopropyl Ether	0.19894	0.21144	0.22424	0.23464	0.23633	0.23561	0.22353	6.886
93 2-Chloro-1,3-butadiene	0.33010	0.35251	0.38261	0.39081	0.38671	0.39380	0.37276	6.882
94 Propionitrile	0.04383	0.04396	0.04410	0.04111	0.04094	0.03990	0.04231	4.404
95 Ethyl Acetate	0.25153	0.23918	0.24678	0.23828	0.24450	0.25022	0.24508	2.253
96 Methacrylonitrile	0.15470	0.15983	0.15530	0.15862	0.16298	0.16195	0.15890	2.134
97 Isobutanol	0.01214	0.01067	0.01151	0.01109	0.01159	0.01152	0.01142	4.362
98 Cyclohexane	0.37486	0.38746	0.29089	0.40866	0.34684	0.39833	0.36784	11.783

Report Date : 14-Sep-2004 17:02

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
End Cal Date : 14-SEP-2004 15:41
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Cal Date : 14-Sep-2004 16:57 tapsvc
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD	
99 n-Butanol	0.00708	0.00755	0.00826	0.00839	0.00871	0.00930	0.00822	9.712	<-
100 Methyl Methacrylate	0.17898	0.17553	0.18573	0.19952	0.20913	0.22296	0.19531	9.504	
101 2-Nitropropane	0.05322	0.06193	0.06220	0.06218	0.06202	0.06322	0.06079	6.151	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	0.02167	0.02329	0.02670	0.02927	0.03085	0.03125	0.02717	14.734	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M 137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 1,3,5-Trichlorobenzene	0.85746	0.79676	0.67661	0.75898	0.73463	0.74943	0.76231	7.986	
143 Methyl Acetate	0.22313	0.21756	0.20107	0.19563	0.19918	0.19750	0.20568	5.658	
144 Methylcyclohexane	0.34643	0.31604	0.23920	0.34078	0.28293	0.32667	0.30868	13.218	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 4 Dibromofluoromethane	0.22899	0.23170	0.22899	0.23960	0.23428	0.23320	0.23279	1.705	
$ 5 1,2-Dichloroethane-d4	0.31268	0.30905	0.31321	0.31488	0.33897	0.33187	0.32011	3.817	
$ 6 Toluene-d8	1.15061	1.17656	1.24969	1.21381	1.20619	1.21032	1.20120	2.832	
$ 7 Bromofluorobenzene	0.48378	0.51078	0.51438	0.50777	0.52150	0.52405	0.51038	2.827	

Report Date : 14-Sep-2004 17:05

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
End Cal Date : 14-SEP-2004 15:41
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Cal Date : 14-Sep-2004 16:57 tapsvc

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23875.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23874.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23873.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23872.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23871.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23870.D

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
8 Dichlorodifluoromethane	0.28836	0.23754	0.28173	0.25161	0.24515	0.26401	AVRG		0.26140		7.79645
9 Chloromethane	0.55674	0.49898	0.45483	0.43875	0.42154	0.42948	AVRG		0.46672		11.13244
10 Vinyl Chloride	0.32349	0.31847	0.33246	0.31180	0.29804	0.33125	AVRG		0.31925		4.06579
11 Bromomethane	0.17259	0.16446	0.14190	0.15123	0.13819	0.14020	AVRG		0.15143		9.38575
12 Chloroethane	0.23244	0.24693	0.24362	0.23419	0.22089	0.22969	AVRG		0.23463		4.04335
13 Trichlorofluoromethane	0.38407	0.31147	0.34717	0.32533	0.30602	0.33365	AVRG		0.33462		8.49945
14 Dichlorofluoromethane	0.45871	0.50000	0.48561	0.49154	0.48286	0.49097	AVRG		0.48495		2.91496
15 Acrolein	0.03199	0.03065	0.03129	0.03093	0.03156	0.03098	AVRG		0.03123		1.55147
16 Acetone	72580	128042	262942	530389	973885	1907733	QUAD	-0.10527	9.26837	0.81620	0.99990

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STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
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Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Cal Date : 14-Sep-2004 16:57 tapsvc

	Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	17 1,1-Dichloroethene	0.24613	0.23009	0.19938	0.23265	0.20714	0.22623	AVRG		0.22360		7.73538
	18 Freon-113	37991	76261	126246	390502	619208	1494012	QUAD	-0.02165	7.57113	-1.97871	0.99415
	19 Iodomethane	0.31149	0.34851	0.32631	0.33364	0.33020	0.33284	AVRG		0.33050		3.62742
	20 Carbon Disulfide	0.91244	0.87319	0.74270	0.85398	0.78522	0.84395	AVRG		0.83525		7.35951
	21 Methylene Chloride	169409	251128	413458	741159	1333682	2622600	QUAD	-0.19662	3.80728	-0.05949	0.99993
	22 Acetonitrile	0.03290	0.03019	0.03062	0.02865	0.02976	0.02592	AVRG		0.02967		7.78866
	23 Acrylonitrile	0.09137	0.09573	0.09318	0.09088	0.09229	0.09022	AVRG		0.09228		2.15289
	24 Methyl tert-butyl ether	0.65699	0.67280	0.74332	0.74432	0.74979	0.73394	AVRG		0.71686		5.70257
	25 trans-1,2-Dichloroethene	0.28262	0.27489	0.25328	0.26749	0.25617	0.25710	AVRG		0.26526		4.43506
	26 Hexane	11663	22298	38256	115096	195007	460062	QUAD	-0.00997	24.38425	-20.19946	0.99631
	27 Vinyl acetate	0.41519	0.38277	0.42613	0.42027	0.44948	0.45290	AVRG		0.42446		6.03292
	28 1,1-Dichloroethane	0.51364	0.49348	0.46074	0.48352	0.47362	0.47833	AVRG		0.48389		3.75339
	29 tert-Butyl Alcohol	0.02052	0.02018	0.01934	0.01924	0.01980	0.01761	AVRG		0.01945		5.26222
	30 2-Butanone	0.15894	0.12780	0.13677	0.13376	0.13540	0.12902	AVRG		0.13695		8.28054
M	31 1,2-Dichloroethene (total)	0.28520	0.28491	0.26194	0.27101	0.26404	0.26479	AVRG		0.27198		3.88557
	32 cis-1,2-dichloroethene	0.28778	0.29492	0.27061	0.27453	0.27191	0.27248	AVRG		0.27870		3.63568
	33 2,2-Dichloropropane	0.29593	0.30774	0.27673	0.29383	0.28018	0.29523	AVRG		0.29161		3.90723

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INITIAL CALIBRATION DATA

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Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Cal Date : 14-Sep-2004 16:57 tapsvc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
34 Bromochloromethane	0.12769	0.14200	0.12631	0.12865	0.12580	0.12388	AVRG		0.12906		5.07449	
35 Chloroform	0.51012	0.50575	0.47005	0.48650	0.47366	0.47250	AVRG		0.48643		3.63104	
36 Tetrahydrofuran	22560	38288	78777	170087	344585	658534	QUAD	0.00447	12.83982	4.66039	0.99940	
37 1,1,1-Trichloroethane	0.39287	0.37451	0.33541	0.38300	0.34846	0.36998	AVRG		0.36737		5.87801	
38 1,1-Dichloropropene	0.34921	0.35729	0.30656	0.35792	0.32912	0.35428	AVRG		0.34240		6.00098	
39 Carbon Tetrachloride	0.30286	0.29259	0.24537	0.31080	0.27649	0.30261	AVRG		0.28845		8.38299	
40 1,2-Dichloroethane	0.40025	0.42402	0.38489	0.39237	0.39169	0.39145	AVRG		0.39745		3.49760	
41 Benzene	1.25995	1.19011	1.12471	1.13415	1.09548	1.10254	AVRG		1.15116		5.46736	
42 Trichloroethene	0.27283	0.26390	0.25129	0.26732	0.25842	0.26258	AVRG		0.26272		2.81819	
43 1,2-Dichloropropane	0.29669	0.30122	0.27194	0.28098	0.27691	0.27607	AVRG		0.28397		4.24139	
44 1,4-Dioxane	0.00242	0.00233	0.00258	0.00261	0.00260	0.00206	AVRG		0.00243		8.90709	<-
45 Dibromomethane	0.15285	0.16666	0.15233	0.15822	0.15862	0.15545	AVRG		0.15736		3.33962	
46 Bromodichloromethane	0.38193	0.38487	0.36100	0.37042	0.36931	0.37381	AVRG		0.37355		2.34541	
47 2-Chloroethyl vinyl ether	0.13950	0.14798	0.15985	0.16693	0.17284	0.17092	AVRG		0.15967		8.38480	
48 cis-1,3-Dichloropropene	0.43417	0.47734	0.43633	0.45487	0.46634	0.47331	AVRG		0.45706		4.05753	
49 4-Methyl-2-pentanone	0.23661	0.23635	0.24230	0.25213	0.25538	0.25182	AVRG		0.24577		3.42375	
50 Toluene	1.48717	1.54897	1.47049	1.49192	1.46610	1.49497	AVRG		1.49327		1.98694	

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Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Cal Date : 14-Sep-2004 16:57 tapsvc

	Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	51 trans-1,3-Dichloropropene	0.50647	0.53118	0.51429	0.54236	0.55606	0.56198	AVRG		0.53539		4.16176
	52 Ethyl Methacrylate	0.38934	0.45025	0.45000	0.48061	0.49453	0.49921	AVRG		0.46066		8.86545
	53 1,1,2-Trichloroethane	0.30188	0.31382	0.29748	0.30352	0.30279	0.29789	AVRG		0.30290		1.95346
	54 1,3-Dichloropropane	0.57206	0.59182	0.56392	0.55975	0.57182	0.56489	AVRG		0.57071		1.99579
	55 Tetrachloroethene	0.25509	0.26206	0.22142	0.24509	0.22718	0.24073	AVRG		0.24193		6.47809
	56 2-Hexanone	0.22234	0.23807	0.24231	0.24889	0.24606	0.25308	AVRG		0.24179		4.48622
	57 Dibromochloromethane	0.30967	0.33372	0.31997	0.31951	0.32624	0.32930	AVRG		0.32307		2.64150
	58 1,2-Dibromoethane	0.26921	0.31637	0.29041	0.30230	0.30732	0.30501	AVRG		0.29844		5.56079
	59 Chlorobenzene	0.96525	1.03980	0.94396	0.94706	0.94928	0.95592	AVRG		0.96688		3.77675
	60 1,1,1,2-Tetrachloroethane	0.33779	0.34414	0.32638	0.32925	0.34031	0.33757	AVRG		0.33590		2.01341
	61 Ethylbenzene	0.46024	0.50768	0.46972	0.48906	0.48935	0.51358	AVRG		0.48827		4.24550
	62 m + p-Xylene	0.60709	0.64675	0.61837	0.63926	0.62027	0.64155	AVRG		0.62888		2.51086
M	63 Xylenes (total)	0.59346	0.64358	0.61984	0.63276	0.62064	0.64001	AVRG		0.62505		2.92467
	64 Xylene-o	0.56621	0.63725	0.62277	0.61975	0.62137	0.63694	AVRG		0.61738		4.25246
	65 Styrene	1.00309	1.11779	1.08299	1.11462	1.13838	1.16736	AVRG		1.10404		5.14327
	66 Bromoform	0.20132	0.22491	0.21511	0.21840	0.22531	0.23254	AVRG		0.21960		4.91986
	67 Isopropylbenzene	1.34498	1.36235	1.30493	1.41191	1.35691	1.46909	AVRG		1.37503		4.17959

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INITIAL CALIBRATION DATA

Start Cal Date : 16-AUG-2004 16:18
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Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Cal Date : 14-Sep-2004 16:57 tapsvc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
68 1,1,2,2-Tetrachloroethane	0.74074	0.78253	0.73952	0.75703	0.76116	0.74128	AVRG		0.75371		2.23695
69 1,4-Dichloro-2-butene	0.23161	0.23946	0.23911	0.25172	0.26183	0.26419	AVRG		0.24799		5.37306
70 1,2,3-Trichloropropane	0.25299	0.25205	0.24157	0.24830	0.24773	0.24135	AVRG		0.24733		2.01646
71 Bromobenzene	0.74497	0.77908	0.72155	0.75186	0.74513	0.73336	AVRG		0.74599		2.60484
72 n-Propylbenzene	0.71725	0.70753	0.62905	0.72290	0.67589	0.72046	AVRG		0.69551		5.29928
73 2-Chlorotoluene	0.71622	0.69234	0.65887	0.70074	0.67558	0.68895	AVRG		0.68879		2.88741
74 1,3,5-Trimethylbenzene	2.25968	2.26774	2.20534	2.39411	2.31559	2.44388	AVRG		2.31439		3.87363
75 4-Chlorotoluene	0.76654	0.75820	0.70598	0.74482	0.71695	0.72231	AVRG		0.73580		3.30376
76 tert-Butylbenzene	1.89049	1.94223	1.70074	1.94123	1.83516	1.94010	AVRG		1.87499		5.07853
77 1,2,4-Trimethylbenzene	2.33163	2.49724	2.33803	2.57507	2.50096	2.58086	AVRG		2.47063		4.49215
78 sec-Butylbenzene	2.66025	2.55624	2.28546	2.65769	2.44749	2.62040	AVRG		2.53792		5.80056
79 4-Isopropyltoluene	2.02816	2.10772	1.90515	2.27140	2.10588	2.25071	AVRG		2.11151		6.51141
80 1,3-Dichlorobenzene	1.50394	1.41628	1.30596	1.36727	1.33637	1.33353	AVRG		1.37723		5.27000
81 1,4-Dichlorobenzene	1.49216	1.50657	1.37893	1.45011	1.40876	1.40879	AVRG		1.44089		3.52947
82 n-Butylbenzene	1.86201	1.92154	1.64744	2.01989	1.84399	2.02271	AVRG		1.88626		7.38904
83 1,2-Dichlorobenzene	1.44948	1.40634	1.30068	1.35160	1.32364	1.30712	AVRG		1.35648		4.39703
84 1,2-Dibromo-3-chloropropane	0.12641	0.12593	0.12612	0.12831	0.13070	0.12832	AVRG		0.12763		1.44611

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Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Cal Date : 14-Sep-2004 16:57 tapsvc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
85 1,2,4-Trichlorobenzene	0.56391	0.60976	0.52246	0.58135	0.57921	0.60830	AVRG		0.57750		5.59592	
86 Hexachlorobutadiene	36648	62649	126348	272701	475139	979903	QUAD	-0.06586	4.17449	0.11148	0.99883	
87 Naphthalene	1.19572	1.26888	1.21865	1.39469	1.53842	1.56161	AVRG		1.36300		11.77993	
88 1,2,3-Trichlorobenzene	0.38318	0.44192	0.36462	0.41931	0.44173	0.43401	AVRG		0.41413		7.90998	
89 Ethyl Ether	0.26862	0.25572	0.24190	0.23691	0.23958	0.23653	AVRG		0.24654		5.24098	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.08501	0.09752	0.10420	0.10696	0.10892	0.11570	AVRG		0.10305		10.33497	
92 Isopropyl Ether	0.19894	0.21144	0.22424	0.23464	0.23633	0.23561	AVRG		0.22353		6.88556	
93 2-Chloro-1,3-butadiene	0.33010	0.35251	0.38261	0.39081	0.38671	0.39380	AVRG		0.37276		6.88150	
94 Propionitrile	0.04383	0.04396	0.04410	0.04111	0.04094	0.03990	AVRG		0.04231		4.40359	
95 Ethyl Acetate	0.25153	0.23918	0.24678	0.23828	0.24450	0.25022	AVRG		0.24508		2.25277	
96 Methacrylonitrile	0.15470	0.15983	0.15530	0.15862	0.16298	0.16195	AVRG		0.15890		2.13440	
97 Isobutanol	0.01214	0.01067	0.01151	0.01109	0.01159	0.01152	AVRG		0.01142		4.36240	
98 Cyclohexane	0.37486	0.38746	0.29089	0.40866	0.34684	0.39833	AVRG		0.36784		11.78329	
99 n-Butanol	0.00708	0.00755	0.00826	0.00839	0.00871	0.00930	AVRG		0.00822		9.71167	<-
100 Methyl Methacrylate	0.17898	0.17553	0.18573	0.19952	0.20913	0.22296	AVRG		0.19531		9.50417	
101 2-Nitropropane	0.05322	0.06193	0.06220	0.06218	0.06202	0.06322	AVRG		0.06079		6.15064	

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Cal Date : 14-Sep-2004 16:57 tapsvc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
102 Chloropicrin	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	0.02167	0.02329	0.02670	0.02927	0.03085	0.03125	AVRG		0.02717		14.73408	
104 Pentachloroethane	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	<-
M 137 Total Crotononitrile	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	<-
138 Paraldehyde	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	0.85746	0.79676	0.67661	0.75898	0.73463	0.74943	AVRG		0.76231		7.98573	
143 Methyl Acetate	0.22313	0.21756	0.20107	0.19563	0.19918	0.19750	AVRG		0.20568		5.65840	
144 Methylcyclohexane	0.34643	0.31604	0.23920	0.34078	0.28293	0.32667	AVRG		0.30868		13.21820	
145 Dimethoxymethane	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	<-

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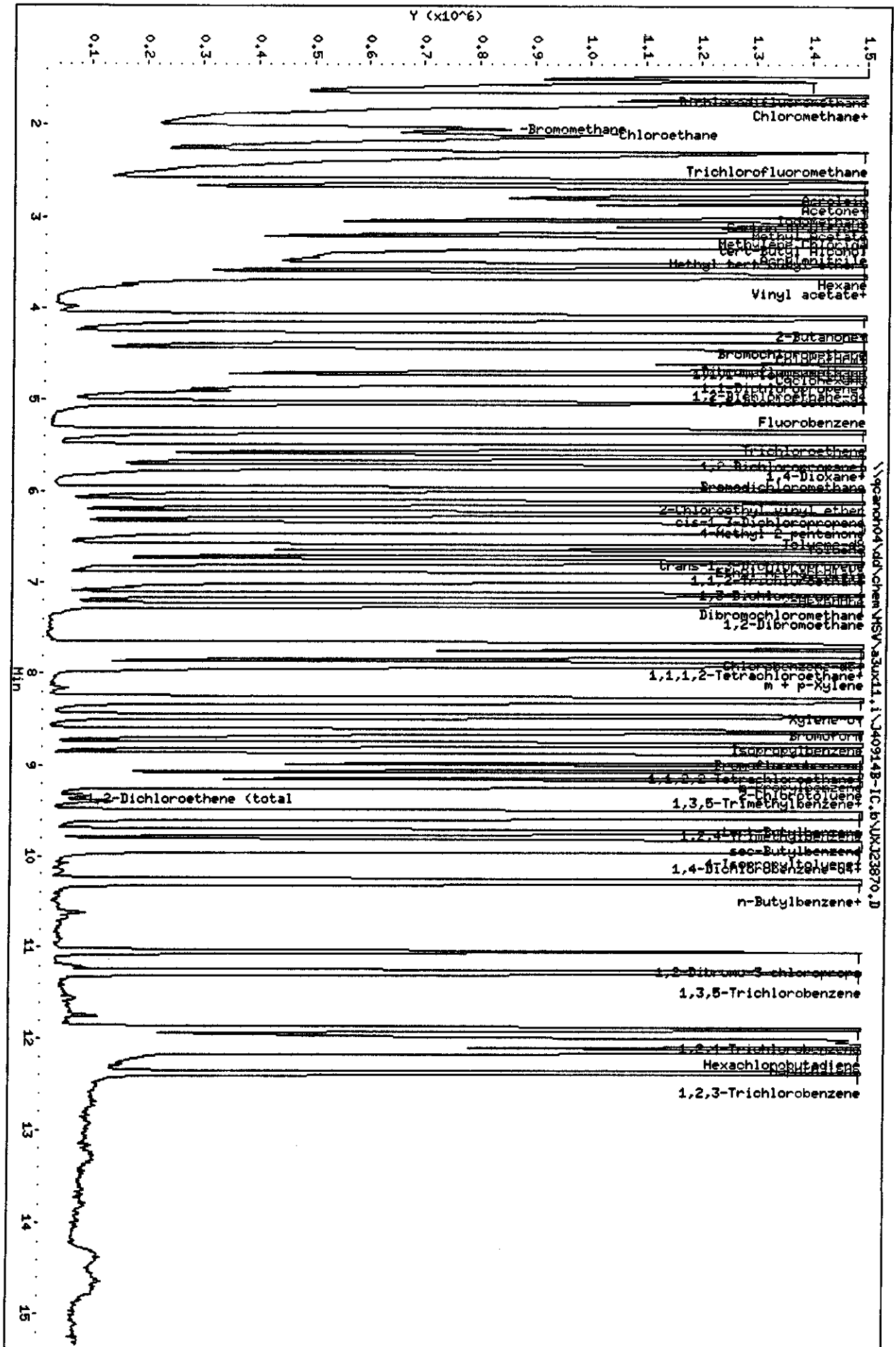
Cal Date : 14-Sep-2004 16:57 tapsvc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 4 Dibromofluoromethane	0.22899	0.23170	0.22899	0.23960	0.23428	0.23320	AVRG		0.23279		1.70494
$ 5 1,2-Dichloroethane-d4	0.31268	0.30905	0.31321	0.31488	0.33897	0.33187	AVRG		0.32011		3.81724
$ 6 Toluene-d8	1.15061	1.17656	1.24969	1.21381	1.20619	1.21032	AVRG		1.20120		2.83165
$ 7 Bromofluorobenzene	0.48378	0.51078	0.51438	0.50777	0.52150	0.52405	AVRG		0.51038		2.82658

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

Data File: \\qcanch04\dd\chem\HSV\a3ux11.i\J40914B-IC.b\UXJ23870.D
Date : 14-SEP-2004 13:48
Client ID:
Sample Info: 200NG-IC
Purge Volume: 5.0
Column phase: DB624

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23870.D
Report Date: 15-Sep-2004 12:45

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23870.D
Lab Smp Id: 200NG-IC
Inj Date : 14-SEP-2004 13:48
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 200NG-IC
Misc Info : J40914B-IC,8260LLUX11,2-8260.SUB,43582,1,6
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Meth Date : 15-Sep-2004 12:45 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.029	5.029	(1.000)	2337325	50.0000	
* 2 Chlorobenzene-d5	117	7.668	7.668	(1.000)	1845289	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904	(1.000)	1029809	50.0000	
$ 4 Dibromofluoromethane	113	4.473	4.473	(0.889)	2180284	200.000	200.35(A)
$ 5 1,2-Dichloroethane-d4	65	4.745	4.745	(0.944)	3102729	200.000	207.35(A)
$ 6 Toluene-d8	98	6.366	6.366	(0.830)	8933577	200.000	201.52(A)
$ 7 Bromofluorobenzene	95	8.780	8.780	(1.145)	3868072	200.000	205.36(A)
8 Dichlorodifluoromethane	85	1.527	1.527	(0.304)	2468303	200.000	202.00(A)
9 Chloromethane	50	1.680	1.680	(0.334)	4015293	200.000	184.04
10 Vinyl Chloride	62	1.763	1.763	(0.351)	3096925	200.000	207.51(A)
11 Bromomethane	94	2.047	2.047	(0.407)	1310746	200.000	185.17
12 Chloroethane	64	2.118	2.118	(0.421)	2147474	200.000	195.79
13 Trichlorofluoromethane	101	2.296	2.296	(0.457)	3119390	200.000	199.42
15 Acrolein	56	2.603	2.603	(0.518)	2896520	2000.00	1983.9
16 Acetone	43	2.722	2.722	(0.541)	1907733	400.000	400.17(A)
17 1,1-Dichloroethene	96	2.710	2.710	(0.539)	2115099	200.000	202.35(A)
18 Freon-113	151	2.722	2.722	(0.541)	1494012	200.000	200.47(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23870.D
Report Date: 15-Sep-2004 12:45

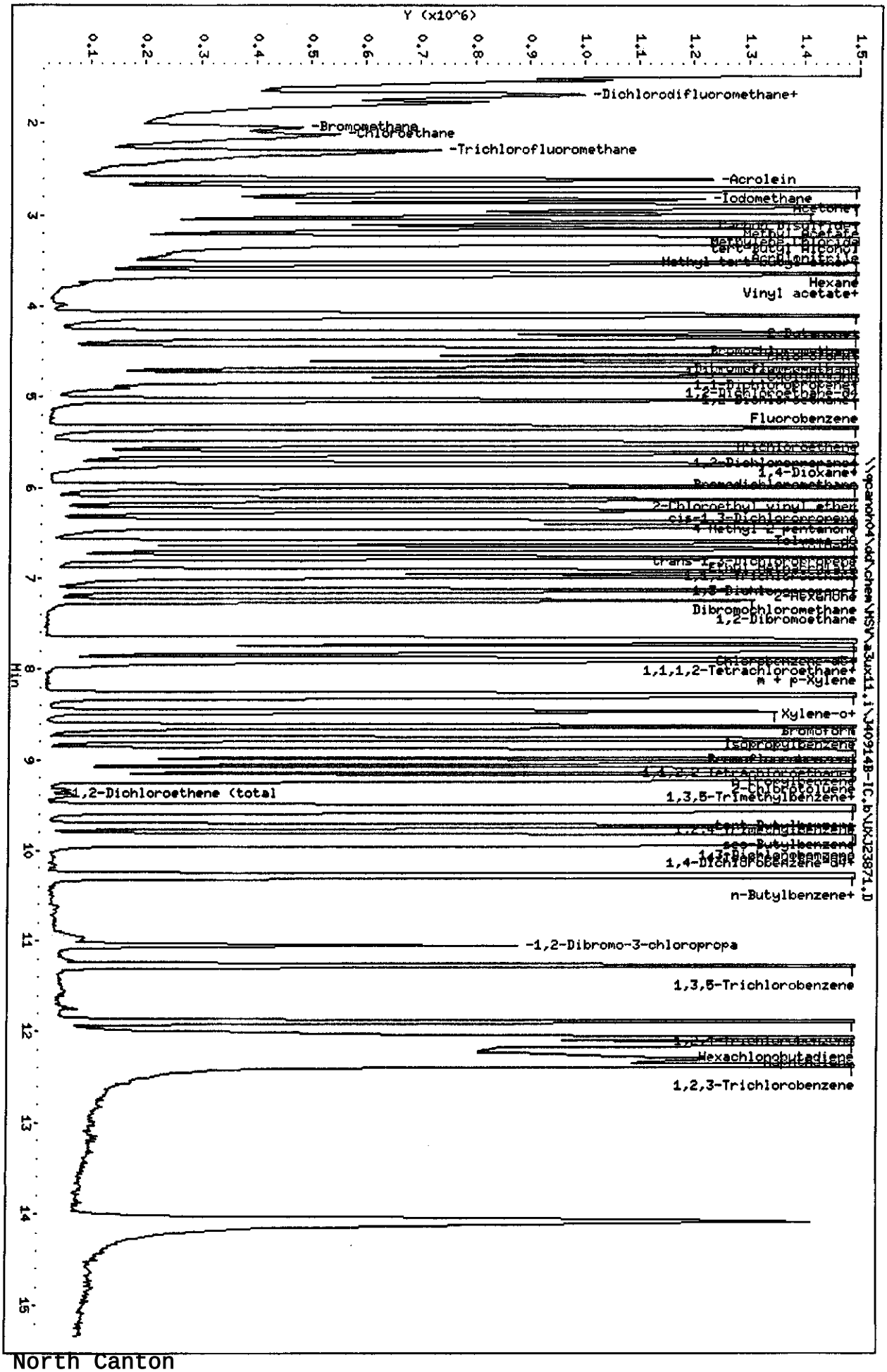
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.828	2.828	(0.562)	3111800	200.000	201.42(A)
	20 Carbon Disulfide	76	2.899	2.899	(0.577)	7890340	200.000	202.08(A)
	21 Methylene Chloride	84	3.077	3.077	(0.612)	2622600	200.000	200.02(A)
	22 Acetonitrile	41	2.935	2.935	(0.584)	2423653	2000.00	1747.2
	23 Acrylonitrile	53	3.254	3.254	(0.647)	8435321	2000.00	1955.4
	24 Methyl tert-butyl ether	73	3.301	3.301	(0.657)	6861860	200.000	204.77(A)
	25 trans-1,2-Dichloroethene	96	3.301	3.301	(0.657)	2403695	200.000	193.85
	26 Hexane	86	3.526	3.526	(0.701)	460062	200.000	200.35(A)
	27 Vinyl acetate	43	3.656	3.656	(0.727)	4234296	200.000	213.40(A)
	28 1,1-Dichloroethane	63	3.633	3.633	(0.722)	4472069	200.000	197.70
	29 tert-Butyl Alcohol	59	3.148	3.148	(0.626)	3293397	4000.00	3622.6(A)
	30 2-Butanone	43	4.082	4.082	(0.812)	2412455	400.000	376.83(A)
M	31 1,2-Dichloroethene (total)	96				4951179	400.000	389.38
	32 cis-1,2-dichloroethene	96	4.094	4.094	(0.814)	2547484	200.000	195.53
	33 2,2-Dichloropropane	77	4.094	4.094	(0.814)	2760188	200.000	202.48(A)
	34 Bromochloromethane	128	4.284	4.284	(0.852)	1158230	200.000	191.98
	35 Chloroform	83	4.343	4.343	(0.864)	4417574	200.000	194.27
	36 Tetrahydrofuran	42	4.331	4.331	(0.861)	658534	200.000	199.60
	37 1,1,1-Trichloroethane	97	4.508	4.508	(0.896)	3459032	200.000	201.42(A)
	38 1,1-Dichloropropene	75	4.639	4.639	(0.922)	3312291	200.000	206.94(A)
	39 Carbon Tetrachloride	117	4.650	4.650	(0.925)	2829152	200.000	209.81(A)
	40 1,2-Dichloroethane	62	4.804	4.804	(0.955)	3659770	200.000	196.98
	41 Benzene	78	4.816	4.816	(0.958)	10307958	200.000	191.55
	42 Trichloroethene	130	5.337	5.337	(1.061)	2454964	200.000	199.89
	43 1,2-Dichloropropane	63	5.514	5.514	(1.096)	2581062	200.000	194.44
	44 1,4-Dioxane	88	5.621	5.621	(1.118)	961094	10000.0	8446.6(A)
	45 Dibromomethane	93	5.621	5.621	(1.118)	1453325	200.000	197.58
	46 Bromodichloromethane	83	5.739	5.739	(1.141)	3494837	200.000	200.14(A)
	47 2-Chloroethyl vinyl ether	63	5.988	5.988	(1.191)	3196023	400.000	428.19(A)
	48 cis-1,3-Dichloropropene	75	6.130	6.130	(1.219)	4425099	200.000	207.11(A)
	49 4-Methyl-2-pentanone	43	6.248	6.248	(1.242)	4708742	400.000	409.86(A)
	50 Toluene	91	6.425	6.425	(0.838)	11034583	200.000	200.23(A)
	51 trans-1,3-Dichloropropene	75	6.603	6.603	(0.861)	4148070	200.000	209.93(A)
	52 Ethyl Methacrylate	69	6.674	6.674	(0.870)	3684757	200.000	216.74(A)
	53 1,1,2-Trichloroethane	97	6.769	6.769	(0.883)	2198790	200.000	196.70
	54 1,3-Dichloropropane	76	6.922	6.922	(0.903)	4169551	200.000	197.96
	55 Tetrachloroethene	164	6.934	6.934	(0.904)	1776877	200.000	199.01
	56 2-Hexanone	43	6.982	6.982	(0.911)	3736062	400.000	418.68(A)
	57 Dibromochloromethane	129	7.135	7.135	(0.931)	2430585	200.000	203.85(A)
	58 1,2-Dibromoethane	107	7.242	7.242	(0.944)	2251324	200.000	204.40(A)
	59 Chlorobenzene	112	7.703	7.703	(1.005)	7055771	200.000	197.73
	60 1,1,1,2-Tetrachloroethane	131	7.774	7.774	(1.014)	2491620	200.000	200.99(A)
	61 Ethylbenzene	106	7.798	7.798	(1.017)	3790824	200.000	210.37(A)
	62 m + p-Xylene	106	7.904	7.904	(1.031)	9470698	400.000	408.06(A)
M	63 Xylenes (total)	106				14172021	600.000	614.39
	64 Xylene-o	106	8.283	8.283	(1.080)	4701323	200.000	206.33(A)
	65 Styrene	104	8.295	8.295	(1.082)	8616448	200.000	211.47(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23870.D
Report Date: 15-Sep-2004 12:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.472	8.472	(1.105)	1716386	200.000	211.78(A)
67 Isopropylbenzene	105	8.626	8.626	(1.125)	10843610	200.000	213.68(A)
68 1,1,2,2-Tetrachloroethane	83	8.898	8.898	(0.898)	3053504	200.000	196.70
69 1,4-Dichloro-2-butene	53	8.958	8.958	(0.904)	1088280	200.000	213.07(A)
70 1,2,3-Trichloropropane	110	8.946	8.946	(0.903)	994195	200.000	195.17
71 Bromobenzene	156	8.922	8.922	(0.901)	3020894	200.000	196.61
72 n-Propylbenzene	120	9.029	9.029	(0.912)	2967729	200.000	207.17(A)
73 2-Chlorotoluene	126	9.111	9.111	(0.920)	2837950	200.000	200.05(A)
74 1,3,5-Trimethylbenzene	105	9.194	9.194	(0.928)	10066915	200.000	211.19(A)
75 4-Chlorotoluene	126	9.218	9.218	(0.931)	2975348	200.000	196.33
76 tert-Butylbenzene	119	9.514	9.514	(0.961)	7991718	200.000	206.94(A)
77 1,2,4-Trimethylbenzene	105	9.561	9.561	(0.965)	10631151	200.000	208.92(A)
78 sec-Butylbenzene	105	9.727	9.727	(0.982)	10794030	200.000	206.50(A)
79 4-Isopropyltoluene	119	9.869	9.869	(0.996)	9271210	200.000	213.18(A)
80 1,3-Dichlorobenzene	146	9.845	9.845	(0.994)	5493140	200.000	193.66
81 1,4-Dichlorobenzene	146	9.928	9.928	(1.002)	5803120	200.000	195.54
82 n-Butylbenzene	91	10.271	10.271	(1.037)	8332031	200.000	214.47(A)
83 1,2-Dichlorobenzene	146	10.295	10.295	(1.039)	5384330	200.000	192.72
84 1,2-Dibromo-3-chloropropane	157	11.052	11.052	(1.116)	528598	200.000	201.08(A)
85 1,2,4-Trichlorobenzene	180	11.892	11.892	(1.201)	2505741	200.000	210.67(A)
86 Hexachlorobutadiene	225	12.070	12.070	(1.219)	979903	200.000	200.36(A)
87 Naphthalene	128	12.129	12.129	(1.225)	6432622	200.000	229.14(A)
88 1,2,3-Trichlorobenzene	180	12.377	12.377	(1.250)	1787787	200.000	209.60(A)
98 Cyclohexane	56	4.568	4.568	(0.908)	3724145	200.000	216.58(A)
143 Methyl Acetate	43	2.982	2.982	(0.593)	3693009	400.000	384.10
144 Methylcyclohexane	83	5.514	5.514	(1.096)	3054148	200.000	211.66
141 1,3,5-Trichlorobenzene	180	11.277	11.277	(1.139)	3087088	200.000	196.62

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23871.D
Date : 14-SEP-2004 14:10
Client ID:
Sample Info: 100NC-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Iodomethane
Hexane
Vinyl acetate+
Fluorobenzene
1,4-Dioxane+
2-Hexanone
Dibromochloromethane
1,2-Dibromoethane
1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
Bromoform
Isopropylbenzene
1,2-Dichloroethene (total
1,3,5-Trimethylbenzene+
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
Hexachlorobutadiene
1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23871.D
Report Date: 15-Sep-2004 12:45

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23871.D
Lab Smp Id: 100NG-IC
Inj Date : 14-SEP-2004 14:10
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 100NG-IC
Misc Info : J40914B-IC,8260LLUX11,2-8260.SUB,43582,1,5
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Meth Date : 15-Sep-2004 12:45 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.029	5.029	(1.000)	2294078	50.0000	
* 2 Chlorobenzene-d5	117	7.680	7.680	(1.000)	1821500	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904	(1.000)	999916	50.0000	
$ 4 Dibromofluoromethane	113	4.473	4.473	(0.889)	1074908	100.000	100.64
$ 5 1,2-Dichloroethane-d4	65	4.745	4.745	(0.944)	1555269	100.000	105.89
$ 6 Toluene-d8	98	6.378	6.378	(0.831)	4394161	100.000	100.42
$ 7 Bromofluorobenzene	95	8.780	8.780	(1.143)	1899831	100.000	102.18
8 Dichlorodifluoromethane	85	1.527	1.527	(0.304)	1124779	100.000	93.783
9 Chloromethane	50	1.680	1.680	(0.334)	1934079	100.000	90.319
10 Vinyl Chloride	62	1.763	1.763	(0.351)	1367463	100.000	93.356
11 Bromomethane	94	2.047	2.047	(0.407)	634017	100.000	91.256
12 Chloroethane	64	2.130	2.130	(0.424)	1013498	100.000	94.147
13 Trichlorofluoromethane	101	2.296	2.296	(0.457)	1404082	100.000	91.454
15 Acrolein	56	2.615	2.615	(0.520)	1447814	1000.00	1010.3
16 Acetone	43	2.722	2.722	(0.541)	973885	200.000	198.82
17 1,1-Dichloroethene	96	2.710	2.710	(0.539)	950397	100.000	92.638
18 Freon-113	151	2.734	2.734	(0.544)	619208	100.000	93.888

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23871.D
Report Date: 15-Sep-2004 12:45

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.828	2.828	(0.562)	1515000	100.000	99.909
	20 Carbon Disulfide	76	2.899	2.899	(0.577)	3602731	100.000	94.011
	21 Methylene Chloride	84	3.077	3.077	(0.612)	1333682	100.000	99.833
	22 Acetonitrile	41	2.935	2.935	(0.584)	1365511	1000.00	1002.9
	23 Acrylonitrile	53	3.254	3.254	(0.647)	4234501	1000.00	1000.1
	24 Methyl tert-butyl ether	73	3.302	3.302	(0.657)	3440137	100.000	104.59
	25 trans-1,2-Dichloroethene	96	3.302	3.302	(0.657)	1175346	100.000	96.574
	26 Hexane	86	3.526	3.526	(0.701)	195007	100.000	95.842
	27 Vinyl acetate	43	3.657	3.657	(0.727)	2062282	100.000	105.89
	28 1,1-Dichloroethane	63	3.633	3.633	(0.722)	2173037	100.000	97.878
	29 tert-Butyl Alcohol	59	3.148	3.148	(0.626)	1816490	2000.00	2035.8(A)
	30 2-Butanone	43	4.083	4.083	(0.812)	1242482	200.000	197.74
M	31 1,2-Dichloroethene (total)	96				2422890	200.000	194.13
	32 cis-1,2-dichloroethene	96	4.094	4.094	(0.814)	1247544	100.000	97.561
	33 2,2-Dichloropropane	77	4.106	4.106	(0.816)	1285494	100.000	96.081
	34 Bromochloromethane	128	4.284	4.284	(0.852)	577210	100.000	97.480
	35 Chloroform	83	4.343	4.343	(0.864)	2173231	100.000	97.374
	36 Tetrahydrofuran	42	4.331	4.331	(0.861)	344585	100.000	101.91
	37 1,1,1-Trichloroethane	97	4.509	4.509	(0.896)	1598802	100.000	94.853
	38 1,1-Dichloropropene	75	4.639	4.639	(0.922)	1510060	100.000	96.123
	39 Carbon Tetrachloride	117	4.651	4.651	(0.925)	1268602	100.000	95.854
	40 1,2-Dichloroethane	62	4.816	4.816	(0.958)	1797145	100.000	98.552
	41 Benzene	78	4.816	4.816	(0.958)	5026234	100.000	95.163
	42 Trichloroethene	130	5.337	5.337	(1.061)	1185674	100.000	98.362
	43 1,2-Dichloropropane	63	5.526	5.526	(1.099)	1270520	100.000	97.515
	44 1,4-Dioxane	88	5.621	5.621	(1.118)	597256	5000.00	5347.9(A)
	45 Dibromomethane	93	5.621	5.621	(1.118)	727774	100.000	100.80
	46 Bromodichloromethane	83	5.751	5.751	(1.144)	1694447	100.000	98.863
	47 2-Chloroethyl vinyl ether	63	5.988	5.988	(1.191)	1586020	200.000	216.50(A)
	48 cis-1,3-Dichloropropene	75	6.130	6.130	(1.219)	2139621	100.000	102.03
	49 4-Methyl-2-pentanone	43	6.248	6.248	(1.242)	2343412	200.000	207.82(A)
	50 Toluene	91	6.437	6.437	(0.838)	5341010	100.000	98.181
	51 trans-1,3-Dichloropropene	75	6.603	6.603	(0.860)	2025722	100.000	103.86
	52 Ethyl Methacrylate	69	6.674	6.674	(0.869)	1801585	100.000	107.35
	53 1,1,2-Trichloroethane	97	6.769	6.769	(0.881)	1103061	100.000	99.965
	54 1,3-Dichloropropane	76	6.922	6.922	(0.901)	2083135	100.000	100.19
	55 Tetrachloroethene	164	6.934	6.934	(0.903)	827625	100.000	93.905
	56 2-Hexanone	43	6.982	6.982	(0.909)	1792800	200.000	203.53(A)
	57 Dibromochloromethane	129	7.135	7.135	(0.929)	1188499	100.000	100.98
	58 1,2-Dibromoethane	107	7.242	7.242	(0.943)	1119552	100.000	102.98
	59 Chlorobenzene	112	7.703	7.703	(1.003)	3458216	100.000	98.180
	60 1,1,1,2-Tetrachloroethane	131	7.774	7.774	(1.012)	1239765	100.000	101.31
	61 Ethylbenzene	106	7.798	7.798	(1.015)	1782706	100.000	100.22
	62 m + p-Xylene	106	7.905	7.905	(1.029)	4519264	200.000	197.26
M	63 Xylenes (total)	106				6782922	300.000	297.91
	64 Xylene-o	106	8.283	8.283	(1.079)	2263658	100.000	100.65
	65 Styrene	104	8.295	8.295	(1.080)	4147114	100.000	103.11

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23871.D
Report Date: 15-Sep-2004 12:45

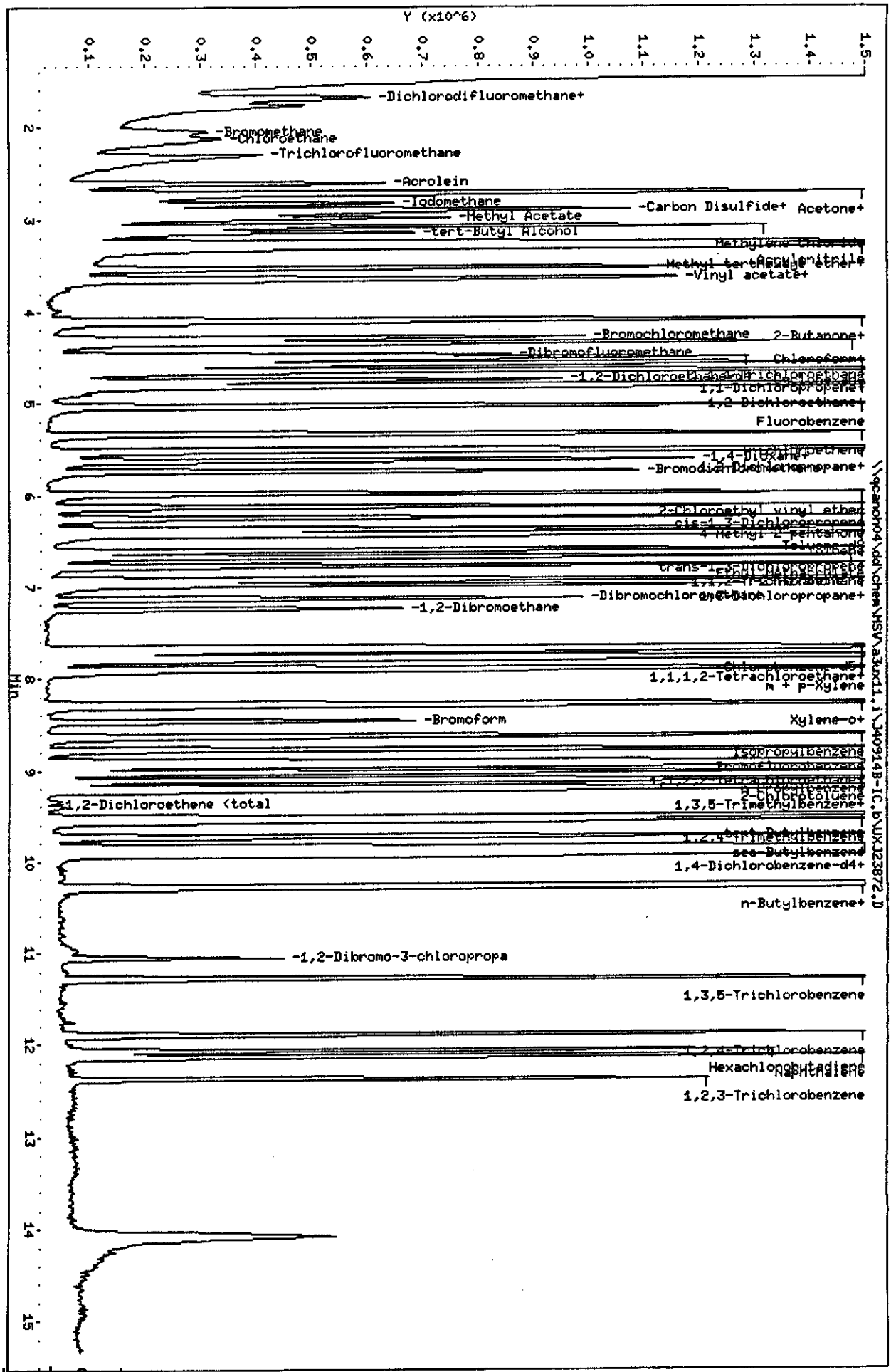
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.473	8.473	(1.103)	820790	100.000	102.60
67 Isopropylbenzene	105	8.626	8.626	(1.123)	4943240	100.000	98.682
68 1,1,2,2-Tetrachloroethane	83	8.899	8.899	(0.898)	1522185	100.000	100.99
69 1,4-Dichloro-2-butene	53	8.958	8.958	(0.904)	523620	100.000	105.58
70 1,2,3-Trichloropropane	110	8.946	8.946	(0.903)	495410	100.000	100.16
71 Bromobenzene	156	8.934	8.934	(0.902)	1490126	100.000	99.884
72 n-Propylbenzene	120	9.029	9.029	(0.912)	1351668	100.000	97.179
73 2-Chlorotoluene	126	9.112	9.112	(0.920)	1351055	100.000	98.084
74 1,3,5-Trimethylbenzene	105	9.194	9.194	(0.928)	4630795	100.000	100.05
75 4-Chlorotoluene	126	9.218	9.218	(0.931)	1433771	100.000	97.438
76 tert-Butylbenzene	119	9.514	9.514	(0.961)	3670015	100.000	97.876
77 1,2,4-Trimethylbenzene	105	9.561	9.561	(0.965)	5001495	100.000	101.23
78 sec-Butylbenzene	105	9.727	9.727	(0.982)	4894571	100.000	96.437
79 4-Isopropyltoluene	119	9.869	9.869	(0.996)	4211412	100.000	99.734
80 1,3-Dichlorobenzene	146	9.845	9.845	(0.994)	2672507	100.000	97.033
81 1,4-Dichlorobenzene	146	9.928	9.928	(1.002)	2817287	100.000	97.770
82 n-Butylbenzene	91	10.271	10.271	(1.037)	3687678	100.000	97.759
83 1,2-Dichlorobenzene	146	10.295	10.295	(1.039)	2647056	100.000	97.579
84 1,2-Dibromo-3-chloropropane	157	11.052	11.052	(1.116)	261375	100.000	102.40
85 1,2,4-Trichlorobenzene	180	11.892	11.892	(1.201)	1158323	100.000	100.30
86 Hexachlorobutadiene	225	12.070	12.070	(1.219)	475139	100.000	97.147
87 Naphthalene	128	12.129	12.129	(1.225)	3076588	100.000	112.87
88 1,2,3-Trichlorobenzene	180	12.377	12.377	(1.250)	883388	100.000	106.66
98 Cyclohexane	56	4.568	4.568	(0.908)	1591353	100.000	94.291
143 Methyl Acetate	43	2.994	2.994	(0.595)	1827750	200.000	193.68
144 Methylcyclohexane	83	5.514	5.514	(1.096)	1298110	100.000	91.658
141 1,3,5-Trichlorobenzene	180	11.277	11.277	(1.139)	1469129	100.000	96.368

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40914B-IC.b\UXJ23872.D
Date : 14-SEP-2004 14:33
Client ID:
Sample Info: 50NC-IC
Purge Volume: 5.0
Column phase: DB624

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



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Report Date: 15-Sep-2004 12:46

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23872.D
Lab Smp Id: 50NG-IC
Inj Date : 14-SEP-2004 14:33
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-IC
Misc Info : J40914B-IC,8260LLUX11,2-8260.SUB,43582,1,4
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Meth Date : 15-Sep-2004 12:46 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.029	5.029	(1.000)	2329625	50.0000	
* 2 Chlorobenzene-d5	117	7.668	7.668	(1.000)	1858993	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904	(1.000)	990958	50.0000	
$ 4 Dibromofluoromethane	113	4.473	4.473	(0.889)	558177	50.0000	51.462
$ 5 1,2-Dichloroethane-d4	65	4.745	4.745	(0.944)	733545	50.0000	49.183
$ 6 Toluene-d8	98	6.378	6.378	(0.832)	2256469	50.0000	50.525
$ 7 Bromofluorobenzene	95	8.780	8.780	(1.145)	943942	50.0000	49.744
8 Dichlorodifluoromethane	85	1.527	1.527	(0.304)	586151	50.0000	48.127
9 Chloromethane	50	1.680	1.680	(0.334)	1022123	50.0000	47.004
10 Vinyl Chloride	62	1.763	1.763	(0.351)	726372	50.0000	48.832
11 Bromomethane	94	2.047	2.047	(0.407)	352300	50.0000	49.934
12 Chloroethane	64	2.130	2.130	(0.424)	545580	50.0000	49.907
13 Trichlorofluoromethane	101	2.296	2.296	(0.457)	757893	50.0000	48.612
15 Acrolein	56	2.615	2.615	(0.520)	720539	500.000	495.15
16 Acetone	43	2.722	2.722	(0.541)	530389	100.000	102.36
17 1,1-Dichloroethene	96	2.710	2.710	(0.539)	541982	50.0000	52.022
18 Freon-113	151	2.722	2.722	(0.541)	390502	50.0000	59.593

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23872.D
Report Date: 15-Sep-2004 12:46

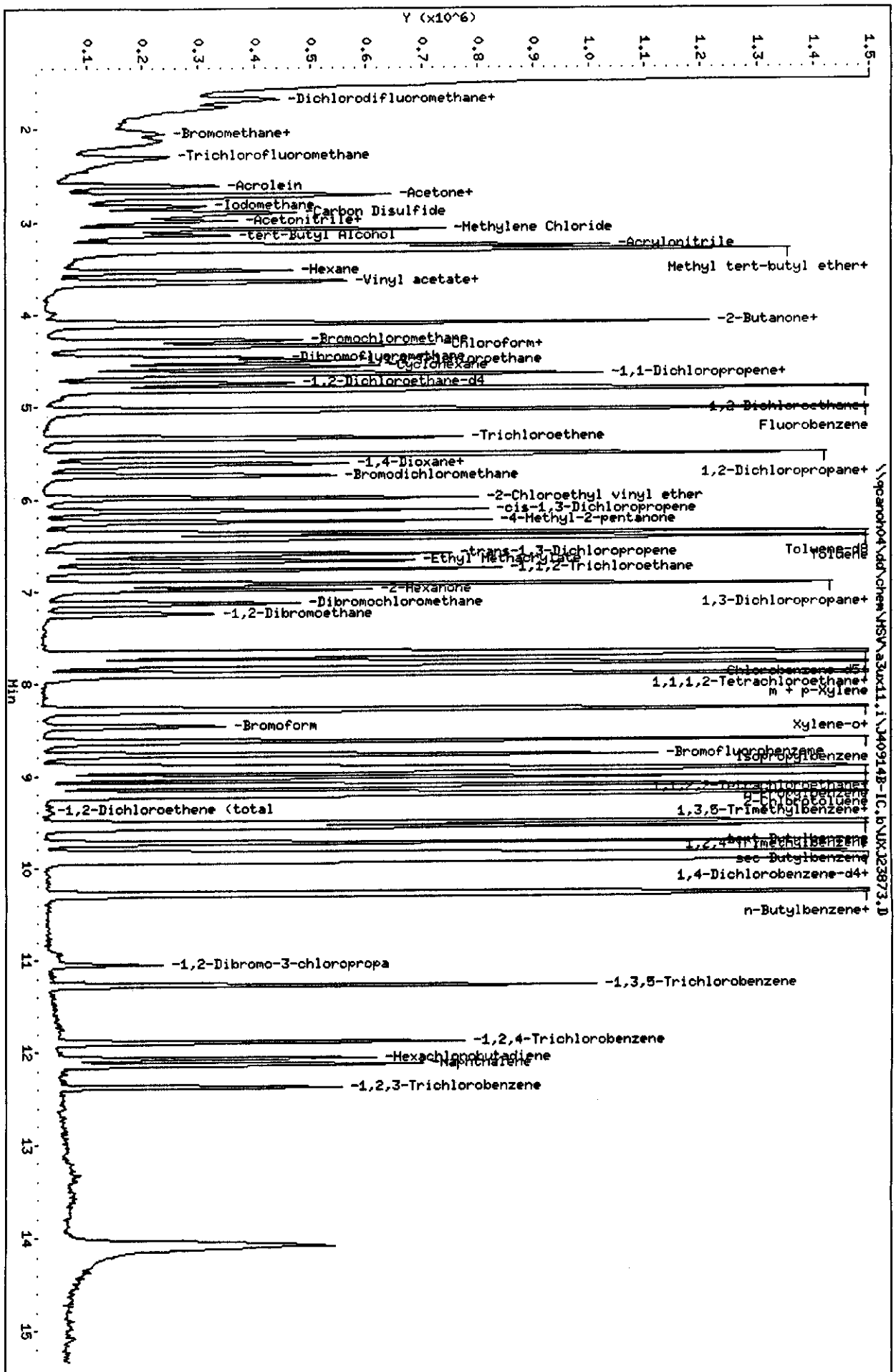
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.828	2.828	(0.562)	777257	50.0000	50.475
	20 Carbon Disulfide	76	2.899	2.899	(0.577)	1989456	50.0000	51.121
	21 Methylene Chloride	84	3.077	3.077	(0.612)	741159	50.0000	50.431
	22 Acetonitrile	41	2.935	2.935	(0.584)	667504	500.000	482.78
	23 Acrylonitrile	53	3.254	3.254	(0.647)	2117146	500.000	492.41
	24 Methyl tert-butyl ether	73	3.302	3.302	(0.657)	1733984	50.0000	51.915
	25 trans-1,2-Dichloroethene	96	3.302	3.302	(0.657)	623149	50.0000	50.421
	26 Hexane	86	3.526	3.526	(0.701)	115096	50.0000	57.272
	27 Vinyl acetate	43	3.657	3.657	(0.727)	979072	50.0000	49.506
	28 1,1-Dichloroethane	63	3.633	3.633	(0.722)	1126418	50.0000	49.962
	29 tert-Butyl Alcohol	59	3.148	3.148	(0.626)	896352	1000.00	989.22
	30 2-Butanone	43	4.083	4.083	(0.812)	623229	100.000	97.672
M	31 1,2-Dichloroethene (total)	96				1262694	100.000	99.671
	32 cis-1,2-dichloroethene	96	4.094	4.094	(0.814)	639545	50.0000	49.251
	33 2,2-Dichloropropane	77	4.106	4.106	(0.816)	684525	50.0000	50.382
	34 Bromochloromethane	128	4.284	4.284	(0.852)	299703	50.0000	49.842
	35 Chloroform	83	4.343	4.343	(0.864)	1133371	50.0000	50.007
	36 Tetrahydrofuran	42	4.331	4.331	(0.861)	170087	50.0000	48.338
	37 1,1,1-Trichloroethane	97	4.508	4.508	(0.896)	892252	50.0000	52.127
	38 1,1-Dichloropropene	75	4.639	4.639	(0.922)	833818	50.0000	52.267
	39 Carbon Tetrachloride	117	4.650	4.650	(0.925)	724043	50.0000	53.873
	40 1,2-Dichloroethane	62	4.816	4.816	(0.958)	914079	50.0000	49.362
	41 Benzene	78	4.816	4.816	(0.958)	2642144	50.0000	49.261
	42 Trichloroethene	130	5.337	5.337	(1.061)	622755	50.0000	50.875
	43 1,2-Dichloropropane	63	5.526	5.526	(1.099)	654580	50.0000	49.474
	44 1,4-Dioxane	88	5.621	5.621	(1.118)	304150	2500.00	2681.8(A)
	45 Dibromomethane	93	5.621	5.621	(1.118)	368591	50.0000	50.275
	46 Bromodichloromethane	83	5.751	5.751	(1.144)	862931	50.0000	49.580
	47 2-Chloroethyl vinyl ether	63	5.988	5.988	(1.191)	777773	100.000	104.55
	48 cis-1,3-Dichloropropene	75	6.130	6.130	(1.219)	1059681	50.0000	49.761
	49 4-Methyl-2-pentanone	43	6.248	6.248	(1.242)	1174753	100.000	102.59
	50 Toluene	91	6.437	6.437	(0.840)	2773477	50.0000	49.955
	51 trans-1,3-Dichloropropene	75	6.603	6.603	(0.861)	1008249	50.0000	50.651
	52 Ethyl Methacrylate	69	6.674	6.674	(0.870)	893443	50.0000	52.165
	53 1,1,2-Trichloroethane	97	6.769	6.769	(0.883)	564234	50.0000	50.102
	54 1,3-Dichloropropane	76	6.922	6.922	(0.903)	1040578	50.0000	49.040
	55 Tetrachloroethene	164	6.934	6.934	(0.904)	455621	50.0000	50.654
	56 2-Hexanone	43	6.982	6.982	(0.911)	925357	100.000	102.93
	57 Dibromochloromethane	129	7.135	7.135	(0.931)	593974	50.0000	49.450
	58 1,2-Dibromoethane	107	7.242	7.242	(0.944)	561972	50.0000	50.647
	59 Chlorobenzene	112	7.703	7.703	(1.005)	1760577	50.0000	48.975
	60 1,1,1,2-Tetrachloroethane	131	7.774	7.774	(1.014)	612067	50.0000	49.009
	61 Ethylbenzene	106	7.798	7.798	(1.017)	909162	50.0000	50.081
	62 m + p-Xylene	106	7.905	7.905	(1.031)	2376751	100.000	101.65
M	63 Xylenes (total)	106				3528868	150.000	151.84
	64 Xylene-o	106	8.283	8.283	(1.080)	1152117	50.0000	50.192
	65 Styrene	104	8.295	8.295	(1.082)	2072070	50.0000	50.479

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23872.D
Report Date: 15-Sep-2004 12:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.473	8.473	(1.105)	406002	50.0000	49.727
67 Isopropylbenzene	105	8.626	8.626	(1.125)	2624726	50.0000	51.341
68 1,1,2,2-Tetrachloroethane	83	8.899	8.899	(0.898)	750188	50.0000	50.220
69 1,4-Dichloro-2-butene	53	8.958	8.958	(0.904)	249440	50.0000	50.752
70 1,2,3-Trichloropropane	110	8.946	8.946	(0.903)	246053	50.0000	50.196
71 Bromobenzene	156	8.934	8.934	(0.902)	745059	50.0000	50.393
72 n-Propylbenzene	120	9.029	9.029	(0.912)	716364	50.0000	51.969
73 2-Chlorotoluene	126	9.111	9.111	(0.920)	694404	50.0000	50.868
74 1,3,5-Trimethylbenzene	105	9.194	9.194	(0.928)	2372465	50.0000	51.722
75 4-Chlorotoluene	126	9.218	9.218	(0.931)	738082	50.0000	50.613
76 tert-Butylbenzene	119	9.514	9.514	(0.961)	1923678	50.0000	51.766
77 1,2,4-Trimethylbenzene	105	9.561	9.561	(0.965)	2551790	50.0000	52.114
78 sec-Butylbenzene	105	9.727	9.727	(0.982)	2633655	50.0000	52.360
79 4-Isopropyltoluene	119	9.869	9.869	(0.996)	2250860	50.0000	53.786
80 1,3-Dichlorobenzene	146	9.845	9.845	(0.994)	1354905	50.0000	49.638
81 1,4-Dichlorobenzene	146	9.928	9.928	(1.002)	1437001	50.0000	50.320
82 n-Butylbenzene	91	10.271	10.271	(1.037)	2001622	50.0000	53.542
83 1,2-Dichlorobenzene	146	10.295	10.295	(1.039)	1339377	50.0000	49.820
84 1,2-Dibromo-3-chloropropane	157	11.052	11.052	(1.116)	127154	50.0000	50.267
85 1,2,4-Trichlorobenzene	180	11.892	11.892	(1.201)	576092	50.0000	50.333
86 Hexachlorobutadiene	225	12.070	12.070	(1.219)	272701	50.0000	54.568
87 Naphthalene	128	12.129	12.129	(1.225)	1382075	50.0000	51.162
88 1,2,3-Trichlorobenzene	180	12.377	12.377	(1.250)	415515	50.0000	50.625
98 Cyclohexane	56	4.568	4.568	(0.908)	952028	50.0000	55.549
143 Methyl Acetate	43	2.994	2.994	(0.595)	911479	100.000	95.114
144 Methylcyclohexane	83	5.514	5.514	(1.096)	793891	50.0000	55.200
141 1,3,5-Trichlorobenzene	180	11.277	11.277	(1.139)	752113	50.0000	49.781

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 14-SEP-2004 14:57
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
Carbon Disulfide
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile
Methyl tert-butyl ether+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
Chloroform+
-Dibromofluoromethane
Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
1,2-Dichloropropane+
-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
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
-Bromoform
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
-1,2-Dichloroethene (total
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23873.D
Report Date: 15-Sep-2004 12:47

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23873.D
Lab Smp Id: 25NG-IC
Inj Date : 14-SEP-2004 14:57
Operator : 43582 Inst ID: a3ux11.i
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Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Meth Date : 15-Sep-2004 12:46 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	5.029	5.029	(1.000)	2302064	50.0000	
* 2 Chlorobenzene-d5	117	7.668	7.668	(1.000)	1820780	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904	(1.000)	1002006	50.0000	
$ 4 Dibromofluoromethane	113	4.473	4.473	(0.889)	263579	25.0000	24.592
$ 5 1,2-Dichloroethane-d4	65	4.745	4.745	(0.944)	360514	25.0000	24.461
$ 6 Toluene-d8	98	6.378	6.378	(0.832)	1137706	25.0000	26.009
$ 7 Bromofluorobenzene	95	8.780	8.780	(1.145)	468289	25.0000	25.196
8 Dichlorodifluoromethane	85	1.526	1.526	(0.304)	324283	25.0000	26.945
9 Chloromethane	50	1.680	1.680	(0.334)	523520	25.0000	24.363
10 Vinyl Chloride	62	1.775	1.775	(0.353)	382674	25.0000	26.034
11 Bromomethane	94	2.047	2.047	(0.407)	163334	25.0000	23.428
12 Chloroethane	64	2.130	2.130	(0.424)	280413	25.0000	25.958
13 Trichlorofluoromethane	101	2.296	2.296	(0.457)	399606	25.0000	25.938
15 Acrolein	56	2.615	2.615	(0.520)	360127	250.000	250.44
16 Acetone	43	2.722	2.722	(0.541)	262942	50.0000	48.200
17 1,1-Dichloroethene	96	2.710	2.710	(0.539)	229496	25.0000	22.292
18 Freon-113	151	2.722	2.722	(0.541)	126246	25.0000	19.380

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23873.D
Report Date: 15-Sep-2004 12:47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.828	2.828	(0.562)	375596	25.0000	24.683
	20 Carbon Disulfide	76	2.899	2.899	(0.577)	854870	25.0000	22.230
	21 Methylene Chloride	84	3.077	3.077	(0.612)	413458	25.0000	24.263
	22 Acetonitrile	41	2.946	2.946	(0.586)	352454	250.000	257.97
	23 Acrylonitrile	53	3.254	3.254	(0.647)	1072529	250.000	252.44
	24 Methyl tert-butyl ether	73	3.301	3.301	(0.657)	855584	25.0000	25.923
	25 trans-1,2-Dichloroethene	96	3.313	3.313	(0.659)	291530	25.0000	23.871
	26 Hexane	86	3.526	3.526	(0.701)	38256	25.0000	19.484
	27 Vinyl acetate	43	3.656	3.656	(0.727)	490495	25.0000	25.099
	28 1,1-Dichloroethane	63	3.633	3.633	(0.722)	530330	25.0000	23.804
	29 tert-Butyl Alcohol	59	3.148	3.148	(0.626)	445116	500.000	497.11
	30 2-Butanone	43	4.082	4.082	(0.812)	314848	50.0000	49.934
M	31 1,2-Dichloroethene (total)	96				603009	50.0000	48.145
	32 cis-1,2-dichloroethene	96	4.094	4.094	(0.814)	311479	25.0000	24.274
	33 2,2-Dichloropropane	77	4.106	4.106	(0.816)	318520	25.0000	23.724
	34 Bromochloromethane	128	4.284	4.284	(0.852)	145392	25.0000	24.469
	35 Chloroform	83	4.343	4.343	(0.864)	541044	25.0000	24.158
	36 Tetrahydrofuran	42	4.331	4.331	(0.861)	78777	25.0000	22.465
	37 1,1,1-Trichloroethane	97	4.508	4.508	(0.896)	386062	25.0000	22.825
	38 1,1-Dichloropropene	75	4.639	4.639	(0.922)	352859	25.0000	22.383
	39 Carbon Tetrachloride	117	4.650	4.650	(0.925)	282428	25.0000	21.266
	40 1,2-Dichloroethane	62	4.816	4.816	(0.958)	443026	25.0000	24.210
	41 Benzene	78	4.816	4.816	(0.958)	1294581	25.0000	24.426
	42 Trichloroethene	130	5.337	5.337	(1.061)	289238	25.0000	23.912
	43 1,2-Dichloropropane	63	5.526	5.526	(1.099)	313009	25.0000	23.941
	44 1,4-Dioxane	88	5.621	5.621	(1.118)	148470	1250.00	1324.8(A)
	45 Dibromomethane	93	5.621	5.621	(1.118)	175336	25.0000	24.202
	46 Bromodichloromethane	83	5.751	5.751	(1.144)	415519	25.0000	24.160
	47 2-Chloroethyl vinyl ether	63	5.987	5.987	(1.191)	367975	50.0000	50.055
	48 cis-1,3-Dichloropropene	75	6.129	6.129	(1.219)	502234	25.0000	23.866
	49 4-Methyl-2-pentanone	43	6.248	6.248	(1.242)	557786	50.0000	49.294
	50 Toluene	91	6.437	6.437	(0.840)	1338715	25.0000	24.618
	51 trans-1,3-Dichloropropene	75	6.603	6.603	(0.861)	468202	25.0000	24.015
	52 Ethyl Methacrylate	69	6.674	6.674	(0.870)	409677	25.0000	24.422
	53 1,1,2-Trichloroethane	97	6.768	6.768	(0.883)	270822	25.0000	24.553
	54 1,3-Dichloropropane	76	6.922	6.922	(0.903)	513387	25.0000	24.702
	55 Tetrachloroethene	164	6.934	6.934	(0.904)	201576	25.0000	22.880
	56 2-Hexanone	43	6.981	6.981	(0.911)	441195	50.0000	50.107
	57 Dibromochloromethane	129	7.135	7.135	(0.931)	291299	25.0000	24.760
	58 1,2-Dibromoethane	107	7.254	7.254	(0.946)	264386	25.0000	24.328
	59 Chlorobenzene	112	7.703	7.703	(1.005)	859376	25.0000	24.408
	60 1,1,1,2-Tetrachloroethane	131	7.774	7.774	(1.014)	297129	25.0000	24.291
	61 Ethylbenzene	106	7.798	7.798	(1.017)	427629	25.0000	24.050
	62 m + p-Xylene	106	7.904	7.904	(1.031)	1125922	50.0000	49.164
M	63 Xylenes (total)	106				1692886	75.0000	74.383
	64 Xylene-o	106	8.283	8.283	(1.080)	566964	25.0000	25.218
	65 Styrene	104	8.295	8.295	(1.082)	985947	25.0000	24.523

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23873.D
Report Date: 15-Sep-2004 12:47

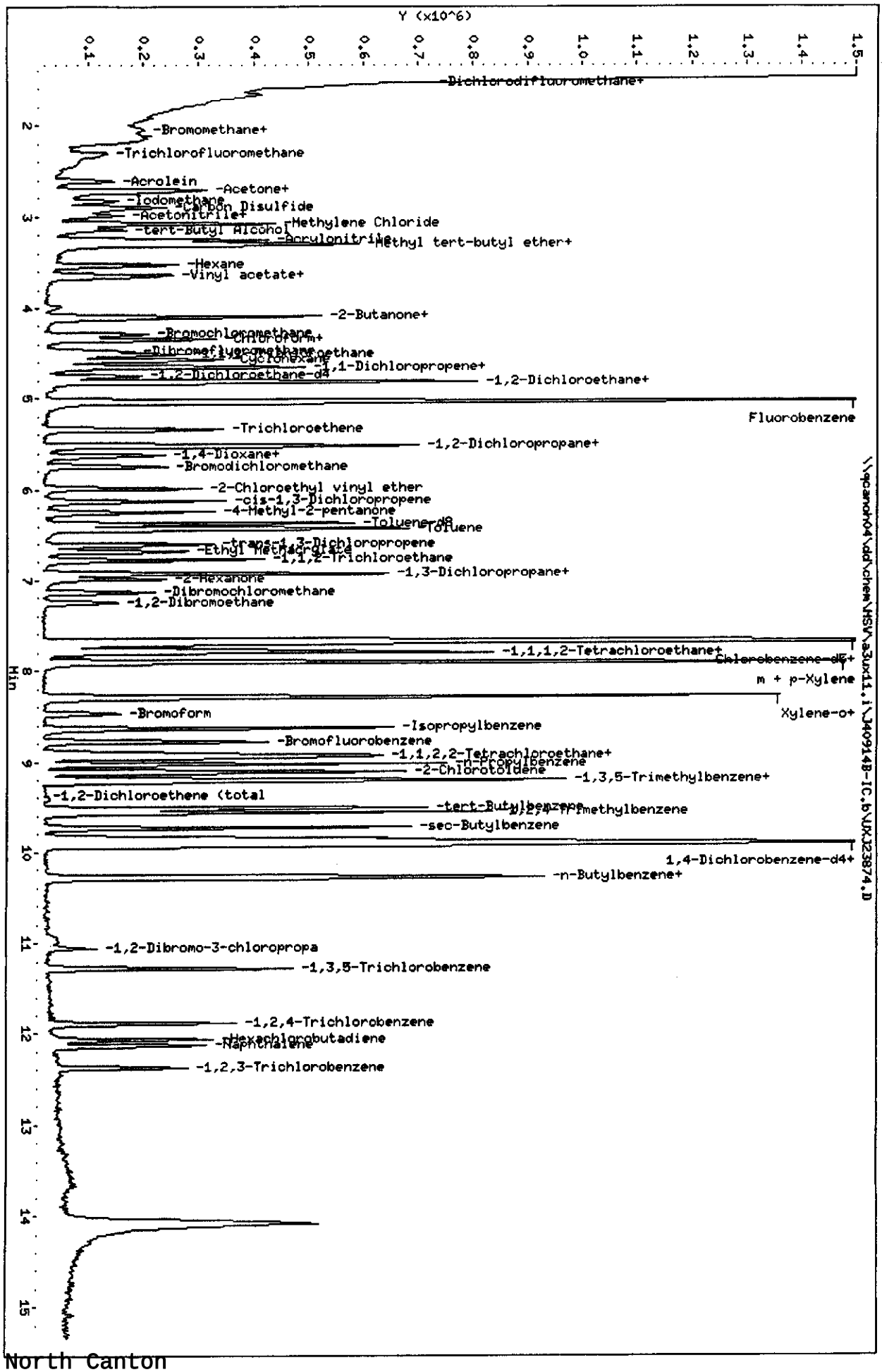
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.472	8.472	(1.105)	195832	25.0000	24.489
67 Isopropylbenzene	105	8.626	8.626	(1.125)	1187991	25.0000	23.725
68 1,1,2,2-Tetrachloroethane	83	8.898	8.898	(0.898)	370501	25.0000	24.529
69 1,4-Dichloro-2-butene	53	8.958	8.958	(0.904)	119797	25.0000	24.105
70 1,2,3-Trichloropropane	110	8.946	8.946	(0.903)	121026	25.0000	24.417
71 Bromobenzene	156	8.922	8.922	(0.901)	361498	25.0000	24.181
72 n-Propylbenzene	120	9.029	9.029	(0.912)	315155	25.0000	22.611
73 2-Chlorotoluene	126	9.111	9.111	(0.920)	330096	25.0000	23.914
74 1,3,5-Trimethylbenzene	105	9.194	9.194	(0.928)	1104880	25.0000	23.822
75 4-Chlorotoluene	126	9.218	9.218	(0.931)	353698	25.0000	23.987
76 tert-Butylbenzene	119	9.514	9.514	(0.961)	852078	25.0000	22.677
77 1,2,4-Trimethylbenzene	105	9.561	9.561	(0.965)	1171362	25.0000	23.658
78 sec-Butylbenzene	105	9.727	9.727	(0.982)	1145024	25.0000	22.513
79 4-Isopropyltoluene	119	9.869	9.869	(0.996)	954488	25.0000	22.557
80 1,3-Dichlorobenzene	146	9.845	9.845	(0.994)	654290	25.0000	23.706
81 1,4-Dichlorobenzene	146	9.928	9.928	(1.002)	690846	25.0000	23.925
82 n-Butylbenzene	91	10.271	10.271	(1.037)	825372	25.0000	21.835
83 1,2-Dichlorobenzene	146	10.295	10.295	(1.039)	651646	25.0000	23.972
84 1,2-Dibromo-3-chloropropane	157	11.052	11.052	(1.116)	63184	25.0000	24.703
85 1,2,4-Trichlorobenzene	180	11.892	11.892	(1.201)	261752	25.0000	22.617
86 Hexachlorobutadiene	225	12.070	12.070	(1.219)	126348	25.0000	23.115
87 Naphthalene	128	12.129	12.129	(1.225)	610547	25.0000	22.352
88 1,2,3-Trichlorobenzene	180	12.377	12.377	(1.250)	182675	25.0000	22.011
98 Cyclohexane	56	4.568	4.568	(0.908)	334819	25.0000	19.770
143 Methyl Acetate	43	2.994	2.994	(0.595)	462866	50.0000	48.879
144 Methylcyclohexane	83	5.514	5.514	(1.096)	275331	25.0000	19.373
141 1,3,5-Trichlorobenzene	180	11.277	11.277	(1.139)	338982	25.0000	22.189

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40914B-IC.b\UX123874.D
Date : 14-SEP-2004 15:19
Client ID:
Sample Info: 10NG-IC
Purge Volume: 5.0
Column phase: DB624

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23874.D
Report Date: 15-Sep-2004 12:47

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23874.D
Lab Smp Id: 10NG-IC
Inj Date : 14-SEP-2004 15:19
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 10NG-IC
Misc Info : J40914B-IC,8260LLUX11,2-8260.SUB,43582,1,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Meth Date : 15-Sep-2004 12:47 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.029	5.029	(1.000)	2293402	50.0000	
* 2 Chlorobenzene-d5	117	7.680	7.680	(1.000)	1817387	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904	(1.000)	990181	50.0000	
$ 4 Dibromofluoromethane	113	4.473	4.473	(0.889)	106274	10.0000	9.953
$ 5 1,2-Dichloroethane-d4	65	4.745	4.745	(0.944)	141757	10.0000	9.655
$ 6 Toluene-d8	98	6.378	6.378	(0.831)	427652	10.0000	9.795
$ 7 Bromofluorobenzene	95	8.780	8.780	(1.143)	185658	10.0000	10.008
8 Dichlorodifluoromethane	85	1.526	1.526	(0.304)	108953	10.0000	9.087
9 Chloromethane	50	1.680	1.680	(0.334)	228871	10.0000	10.691
10 Vinyl Chloride	62	1.763	1.763	(0.351)	146078	10.0000	9.976
11 Bromomethane	94	2.047	2.047	(0.407)	75436	10.0000	10.861
12 Chloroethane	64	2.118	2.118	(0.421)	113260	10.0000	10.524
13 Trichlorofluoromethane	101	2.307	2.307	(0.459)	142867	10.0000	9.308
15 Acrolein	56	2.615	2.615	(0.520)	140593	100.000	98.140
16 Acetone	43	2.722	2.722	(0.541)	128042	20.0000	20.736
17 1,1-Dichloroethene	96	2.710	2.710	(0.539)	105536	10.0000	10.290
18 Freon-113	151	2.745	2.745	(0.546)	76261	10.0000	11.396

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23874.D
Report Date: 15-Sep-2004 12:47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.840	2.840	(0.565)	159856	10.0000	10.545
	20 Carbon Disulfide	76	2.899	2.899	(0.577)	400515	10.0000	10.454
	21 Methylene Chloride	84	3.077	3.077	(0.612)	251128	10.0000	10.978
	22 Acetonitrile	41	2.946	2.946	(0.586)	138464	100.000	101.73
	23 Acrylonitrile	53	3.254	3.254	(0.647)	439101	100.000	103.74
	24 Methyl tert-butyl ether	73	3.301	3.301	(0.657)	308600	10.0000	9.385
	25 trans-1,2-Dichloroethene	96	3.313	3.313	(0.659)	126088	10.0000	10.363
	26 Hexane	86	3.538	3.538	(0.704)	22298	10.0000	11.260
	27 Vinyl acetate	43	3.656	3.656	(0.727)	175571	10.0000	9.018
	28 1,1-Dichloroethane	63	3.633	3.633	(0.722)	226350	10.0000	10.198
	29 tert-Butyl Alcohol	59	3.148	3.148	(0.626)	185158	200.000	207.57
	30 2-Butanone	43	4.082	4.082	(0.812)	117242	20.0000	18.664
M	31 1,2-Dichloroethene (total)	96				261363	20.0000	20.945
	32 cis-1,2-dichloroethene	96	4.094	4.094	(0.814)	135275	10.0000	10.582
	33 2,2-Dichloropropane	77	4.106	4.106	(0.816)	141153	10.0000	10.553
	34 Bromochloromethane	128	4.283	4.283	(0.852)	65133	10.0000	11.003
	35 Chloroform	83	4.343	4.343	(0.864)	231979	10.0000	10.397
	36 Tetrahydrofuran	42	4.331	4.331	(0.861)	38288	10.0000	11.006
	37 1,1,1-Trichloroethane	97	4.508	4.508	(0.896)	171781	10.0000	10.194
	38 1,1-Dichloropropene	75	4.650	4.650	(0.925)	163880	10.0000	10.435
	39 Carbon Tetrachloride	117	4.650	4.650	(0.925)	134205	10.0000	10.143
	40 1,2-Dichloroethane	62	4.816	4.816	(0.958)	194488	10.0000	10.668
	41 Benzene	78	4.816	4.816	(0.958)	545878	10.0000	10.338
	42 Trichloroethene	130	5.337	5.337	(1.061)	121044	10.0000	10.045
	43 1,2-Dichloropropane	63	5.526	5.526	(1.099)	138162	10.0000	10.607
	44 1,4-Dioxane	88	5.621	5.621	(1.118)	53454	500.000	478.78(A)
	45 Dibromomethane	93	5.621	5.621	(1.118)	76444	10.0000	10.591
	46 Bromodichloromethane	83	5.751	5.751	(1.144)	176533	10.0000	10.303
	47 2-Chloroethyl vinyl ether	63	5.987	5.987	(1.191)	135749	20.0000	18.535
	48 cis-1,3-Dichloropropene	75	6.129	6.129	(1.219)	218946	10.0000	10.444
	49 4-Methyl-2-pentanone	43	6.248	6.248	(1.242)	216822	20.0000	19.234
	50 Toluene	91	6.437	6.437	(0.838)	563016	10.0000	10.373
	51 trans-1,3-Dichloropropene	75	6.603	6.603	(0.860)	193073	10.0000	9.921
	52 Ethyl Methacrylate	69	6.674	6.674	(0.869)	163654	10.0000	9.774
	53 1,1,2-Trichloroethane	97	6.768	6.768	(0.881)	114065	10.0000	10.360
	54 1,3-Dichloropropane	76	6.922	6.922	(0.901)	215113	10.0000	10.370
	55 Tetrachloroethene	164	6.934	6.934	(0.903)	95253	10.0000	10.832
	56 2-Hexanone	43	6.981	6.981	(0.909)	173068	20.0000	19.692
	57 Dibromochloromethane	129	7.135	7.135	(0.929)	121301	10.0000	10.330
	58 1,2-Dibromoethane	107	7.254	7.254	(0.945)	114994	10.0000	10.601
	59 Chlorobenzene	112	7.703	7.703	(1.003)	377942	10.0000	10.754
	60 1,1,1,2-Tetrachloroethane	131	7.774	7.774	(1.012)	125087	10.0000	10.245
	61 Ethylbenzene	106	7.798	7.798	(1.015)	184529	10.0000	10.397
	62 m + p-Xylene	106	7.904	7.904	(1.029)	470158	20.0000	20.568
M	63 Xylenes (total)	106				701783	30.0000	30.890
	64 Xylene-o	106	8.283	8.283	(1.079)	231625	10.0000	10.322
	65 Styrene	104	8.295	8.295	(1.080)	406292	10.0000	10.124

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23874.D
Report Date: 15-Sep-2004 12:47

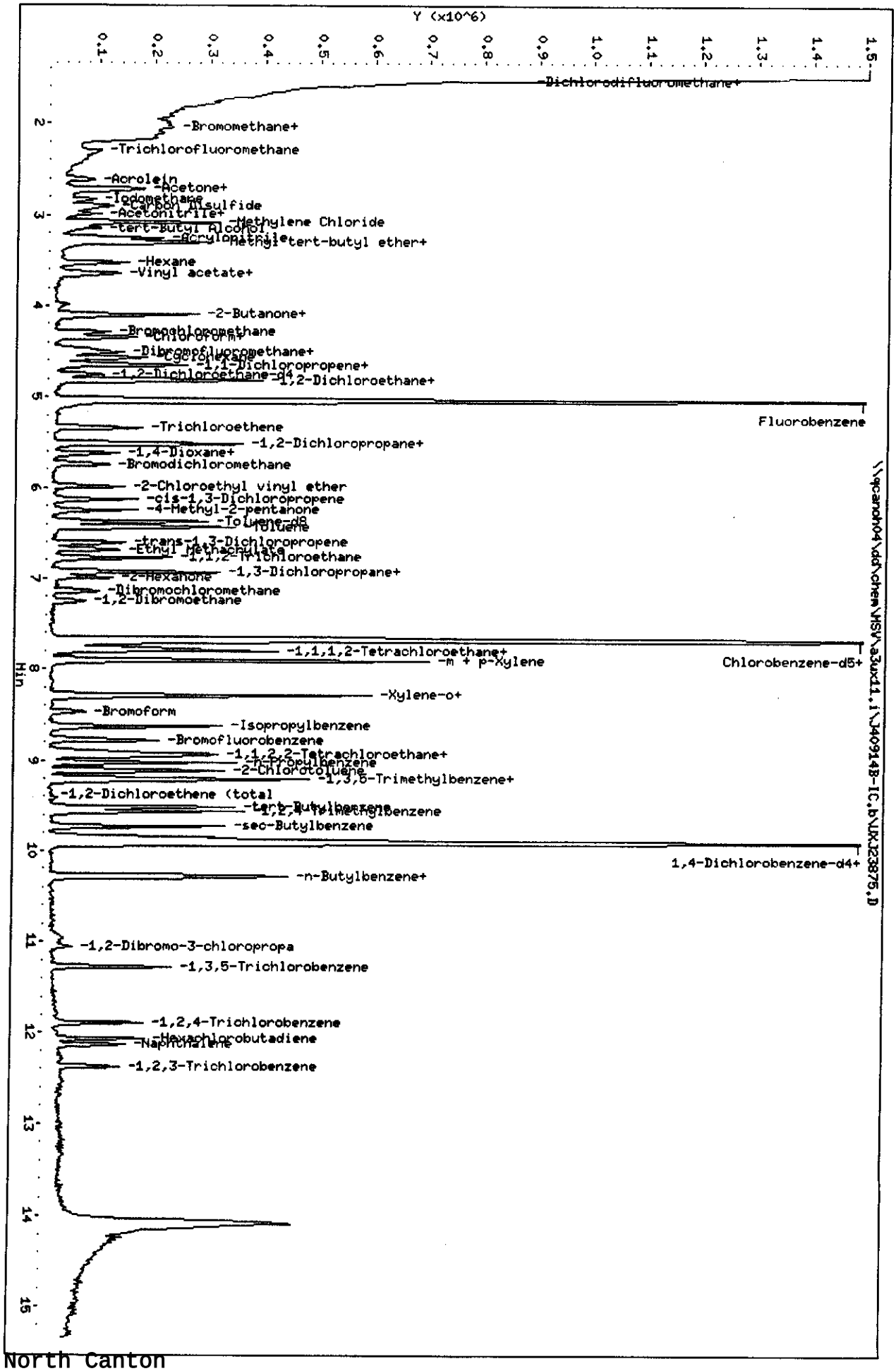
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.472	8.472	(1.103)	81750	10.0000	10.242
67 Isopropylbenzene	105	8.626	8.626	(1.123)	495185	10.0000	9.908
68 1,1,2,2-Tetrachloroethane	83	8.898	8.898	(0.898)	154970	10.0000	10.382
69 1,4-Dichloro-2-butene	53	8.957	8.957	(0.904)	47422	10.0000	9.656
70 1,2,3-Trichloropropane	110	8.946	8.946	(0.903)	49915	10.0000	10.191
71 Bromobenzene	156	8.934	8.934	(0.902)	154286	10.0000	10.444
72 n-Propylbenzene	120	9.028	9.028	(0.912)	140117	10.0000	10.173
73 2-Chlorotoluene	126	9.111	9.111	(0.920)	137109	10.0000	10.052
74 1,3,5-Trimethylbenzene	105	9.194	9.194	(0.928)	449094	10.0000	9.798
75 4-Chlorotoluene	126	9.218	9.218	(0.931)	150151	10.0000	10.304
76 tert-Butylbenzene	119	9.514	9.514	(0.961)	384632	10.0000	10.359
77 1,2,4-Trimethylbenzene	105	9.561	9.561	(0.965)	494544	10.0000	10.108
78 sec-Butylbenzene	105	9.727	9.727	(0.982)	506228	10.0000	10.072
79 4-Isopropyltoluene	119	9.869	9.869	(0.996)	417405	10.0000	9.982
80 1,3-Dichlorobenzene	146	9.845	9.845	(0.994)	280475	10.0000	10.284
81 1,4-Dichlorobenzene	146	9.928	9.928	(1.002)	298356	10.0000	10.456
82 n-Butylbenzene	91	10.271	10.271	(1.037)	380534	10.0000	10.187
83 1,2-Dichlorobenzene	146	10.295	10.295	(1.039)	278506	10.0000	10.368
84 1,2-Dibromo-3-chloropropane	157	11.064	11.064	(1.117)	24938	10.0000	9.866
85 1,2,4-Trichlorobenzene	180	11.892	11.892	(1.201)	120755	10.0000	10.559
86 Hexachlorobutadiene	225	12.070	12.070	(1.219)	62649	10.0000	9.935
87 Naphthalene	128	12.129	12.129	(1.225)	251285	10.0000	9.310
88 1,2,3-Trichlorobenzene	180	12.377	12.377	(1.250)	87516	10.0000	10.671
98 Cyclohexane	56	4.567	4.567	(0.908)	177719	10.0000	10.533
143 Methyl Acetate	43	2.994	2.994	(0.595)	199578	20.0000	21.155
144 Methylcyclohexane	83	5.514	5.514	(1.096)	144963	10.0000	10.239
141 1,3,5-Trichlorobenzene	180	11.277	11.277	(1.139)	157787	10.0000	10.452

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40914B-IC.b\UXJ23875.D
Date : 14-SEP-2004 15:41
Client ID:
Sample Info: 5NC-IC
Purge Volume: 5.0
Column phase: DB624

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23875.D
Report Date: 15-Sep-2004 12:48

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23875.D
Lab Smp Id: 5NG-IC
Inj Date : 14-SEP-2004 15:41
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 5NG-IC
Misc Info : J40914B-IC,8260LLUX11,2-8260.SUB,43582,1,1
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Meth Date : 15-Sep-2004 12:47 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.029	5.029	(1.000)	2251983	50.0000	
* 2 Chlorobenzene-d5	117	7.680	7.680	(1.000)	1826599	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904	(1.000)	937868	50.0000	
$ 4 Dibromofluoromethane	113	4.473	4.473	(0.889)	51569	5.00000	4.918
$ 5 1,2-Dichloroethane-d4	65	4.757	4.757	(0.946)	70414	5.00000	4.884
$ 6 Toluene-d8	98	6.378	6.378	(0.831)	210171	5.00000	4.789
$ 7 Bromofluorobenzene	95	8.780	8.780	(1.143)	88368	5.00000	4.739
8 Dichlorodifluoromethane	85	1.526	1.526	(0.304)	64938	5.00000	5.516
9 Chloromethane	50	1.668	1.668	(0.332)	125378	5.00000	5.964
10 Vinyl Chloride	62	1.763	1.763	(0.351)	72850	5.00000	5.066
11 Bromomethane	94	2.035	2.035	(0.405)	38866	5.00000	5.699
12 Chloroethane	64	2.118	2.118	(0.421)	52345	5.00000	4.953
13 Trichlorofluoromethane	101	2.307	2.307	(0.459)	86493	5.00000	5.739
15 Acrolein	56	2.615	2.615	(0.520)	72041	50.0000	51.213
16 Acetone	43	2.722	2.722	(0.541)	72580	10.0000	9.714
17 1,1-Dichloroethene	96	2.710	2.710	(0.539)	55428	5.00000	5.504
18 Freon-113	151	2.745	2.745	(0.546)	37991	5.00000	5.276

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23875.D
Report Date: 15-Sep-2004 12:48

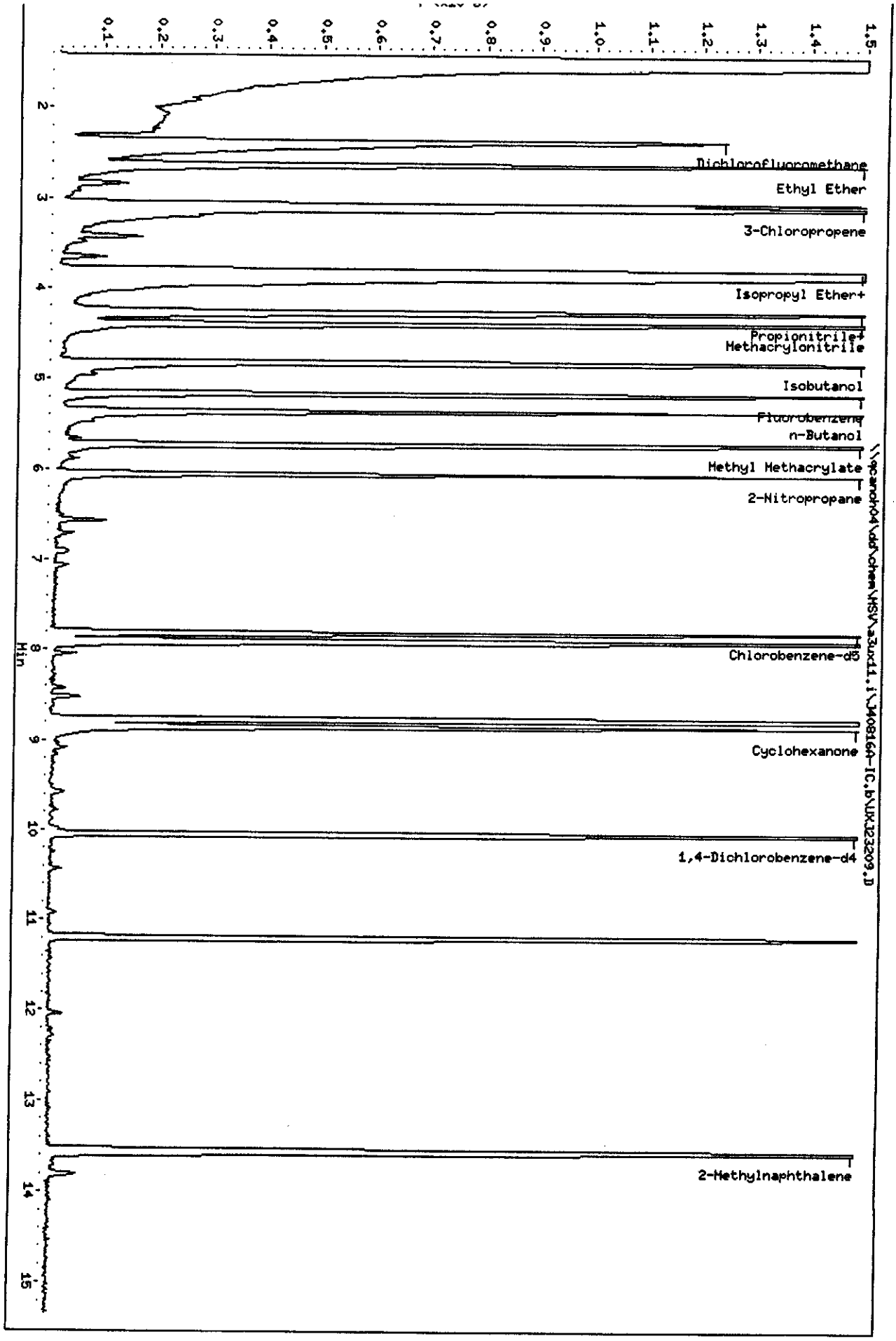
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.828	2.828	(0.562)	70148	5.00000	4.712
	20 Carbon Disulfide	76	2.899	2.899	(0.577)	205480	5.00000	5.462
	21 Methylene Chloride	84	3.077	3.077	(0.612)	169409	5.00000	4.472
	22 Acetonitrile	41	2.946	2.946	(0.586)	74099	50.0000	55.440
	23 Acrylonitrile	53	3.254	3.254	(0.647)	205768	50.0000	49.508
	24 Methyl tert-butyl ether	73	3.301	3.301	(0.657)	147953	5.00000	4.582
	25 trans-1,2-Dichloroethene	96	3.313	3.313	(0.659)	63645	5.00000	5.327
	26 Hexane	86	3.526	3.526	(0.701)	11663	5.00000	5.789
	27 Vinyl acetate	43	3.656	3.656	(0.727)	93501	5.00000	4.891
	28 1,1-Dichloroethane	63	3.633	3.633	(0.722)	115670	5.00000	5.307
	29 tert-Butyl Alcohol	59	3.148	3.148	(0.626)	92424	100.000	105.52
	30 2-Butanone	43	4.094	4.094	(0.814)	71588	10.0000	11.606
M	31 1,2-Dichloroethene (total)	96				128452	10.0000	10.490
	32 cis-1,2-dichloroethene	96	4.106	4.106	(0.816)	64807	5.00000	5.163
	33 2,2-Dichloropropane	77	4.106	4.106	(0.816)	66643	5.00000	5.074
	34 Bromochloromethane	128	4.295	4.295	(0.854)	28755	5.00000	4.947
	35 Chloroform	83	4.343	4.343	(0.864)	114878	5.00000	5.243
	36 Tetrahydrofuran	42	4.331	4.331	(0.861)	22560	5.00000	6.678
	37 1,1,1-Trichloroethane	97	4.508	4.508	(0.896)	88473	5.00000	5.347
	38 1,1-Dichloropropene	75	4.650	4.650	(0.925)	78641	5.00000	5.099
	39 Carbon Tetrachloride	117	4.650	4.650	(0.925)	68204	5.00000	5.250
	40 1,2-Dichloroethane	62	4.816	4.816	(0.958)	90135	5.00000	5.035
	41 Benzene	78	4.816	4.816	(0.958)	283739	5.00000	5.472
	42 Trichloroethene	130	5.349	5.349	(1.064)	61441	5.00000	5.192
	43 1,2-Dichloropropane	63	5.514	5.514	(1.096)	66815	5.00000	5.224
	44 1,4-Dioxane	88	5.621	5.621	(1.118)	27287	250.000	248.90(A)
	45 Dibromomethane	93	5.621	5.621	(1.118)	34422	5.00000	4.857
	46 Bromodichloromethane	83	5.751	5.751	(1.144)	86009	5.00000	5.112
	47 2-Chloroethyl vinyl ether	63	5.988	5.988	(1.191)	62831	10.0000	8.737
	48 cis-1,3-Dichloropropene	75	6.129	6.129	(1.219)	97774	5.00000	4.750
	49 4-Methyl-2-pentanone	43	6.248	6.248	(1.242)	106568	10.0000	9.627
	50 Toluene	91	6.437	6.437	(0.838)	271647	5.00000	4.980
	51 trans-1,3-Dichloropropene	75	6.603	6.603	(0.860)	92511	5.00000	4.730
	52 Ethyl Methacrylate	69	6.686	6.686	(0.871)	71117	5.00000	4.226
	53 1,1,2-Trichloroethane	97	6.780	6.780	(0.883)	55141	5.00000	4.983
	54 1,3-Dichloropropane	76	6.922	6.922	(0.901)	104493	5.00000	5.012
	55 Tetrachloroethene	164	6.934	6.934	(0.903)	46594	5.00000	5.272
	56 2-Hexanone	43	6.993	6.993	(0.911)	81226	10.0000	9.196
	57 Dibromochloromethane	129	7.135	7.135	(0.929)	56564	5.00000	4.793
	58 1,2-Dibromoethane	107	7.242	7.242	(0.943)	49174	5.00000	4.510
	59 Chlorobenzene	112	7.703	7.703	(1.003)	176312	5.00000	4.992
	60 1,1,1,2-Tetrachloroethane	131	7.774	7.774	(1.012)	61700	5.00000	5.028
	61 Ethylbenzene	106	7.798	7.798	(1.015)	84068	5.00000	4.713
	62 m + p-Xylene	106	7.904	7.904	(1.029)	221783	10.0000	9.654
M	63 Xylenes (total)	106				325206	15.0000	14.239
	64 Xylene-o	106	8.283	8.283	(1.079)	103423	5.00000	4.586
	65 Styrene	104	8.295	8.295	(1.080)	183225	5.00000	4.543

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23875.D
Report Date: 15-Sep-2004 12:48

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.472	8.472	(1.103)	36774	5.00000	4.584
67 Isopropylbenzene	105	8.626	8.626	(1.123)	245674	5.00000	4.891
68 1,1,2,2-Tetrachloroethane	83	8.898	8.898	(0.898)	69472	5.00000	4.914
69 1,4-Dichloro-2-butene	53	8.958	8.958	(0.904)	21722	5.00000	4.670
70 1,2,3-Trichloropropane	110	8.946	8.946	(0.903)	23727	5.00000	5.114
71 Bromobenzene	156	8.934	8.934	(0.902)	69868	5.00000	4.993
72 n-Propylbenzene	120	9.029	9.029	(0.912)	67269	5.00000	5.156
73 2-Chlorotoluene	126	9.111	9.111	(0.920)	67172	5.00000	5.199
74 1,3,5-Trimethylbenzene	105	9.194	9.194	(0.928)	211928	5.00000	4.882
75 4-Chlorotoluene	126	9.218	9.218	(0.931)	71891	5.00000	5.209
76 tert-Butylbenzene	119	9.514	9.514	(0.961)	177303	5.00000	5.041
77 1,2,4-Trimethylbenzene	105	9.561	9.561	(0.965)	218676	5.00000	4.719
78 sec-Butylbenzene	105	9.727	9.727	(0.982)	249496	5.00000	5.241
79 4-Isopropyltoluene	119	9.869	9.869	(0.996)	190215	5.00000	4.803
80 1,3-Dichlorobenzene	146	9.845	9.845	(0.994)	141050	5.00000	5.460
81 1,4-Dichlorobenzene	146	9.928	9.928	(1.002)	139945	5.00000	5.178
82 n-Butylbenzene	91	10.271	10.271	(1.037)	174632	5.00000	4.936
83 1,2-Dichlorobenzene	146	10.295	10.295	(1.039)	135942	5.00000	5.343
84 1,2-Dibromo-3-chloropropane	157	11.064	11.064	(1.117)	11856	5.00000	4.952
85 1,2,4-Trichlorobenzene	180	11.892	11.892	(1.201)	52887	5.00000	4.882
86 Hexachlorobutadiene	225	12.070	12.070	(1.219)	36648	5.00000	4.872
87 Naphthalene	128	12.129	12.129	(1.225)	112143	5.00000	4.386
88 1,2,3-Trichlorobenzene	180	12.377	12.377	(1.250)	35937	5.00000	4.626
98 Cyclohexane	56	4.568	4.568	(0.908)	84417	5.00000	5.095
143 Methyl Acetate	43	2.994	2.994	(0.595)	100499	10.0000	10.849
144 Methylcyclohexane	83	5.514	5.514	(1.096)	78015	5.00000	5.612
141 1,3,5-Trichlorobenzene	180	11.277	11.277	(1.139)	80418	5.00000	5.624

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 16-AUG-2004 16:18
Client ID:
Sample Info: 200NG-A9IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
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
Min

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23209.D
Lab Smp Id: 200NG-A9IC
Inj Date : 16-AUG-2004 16:18
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 200NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,6
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:56 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

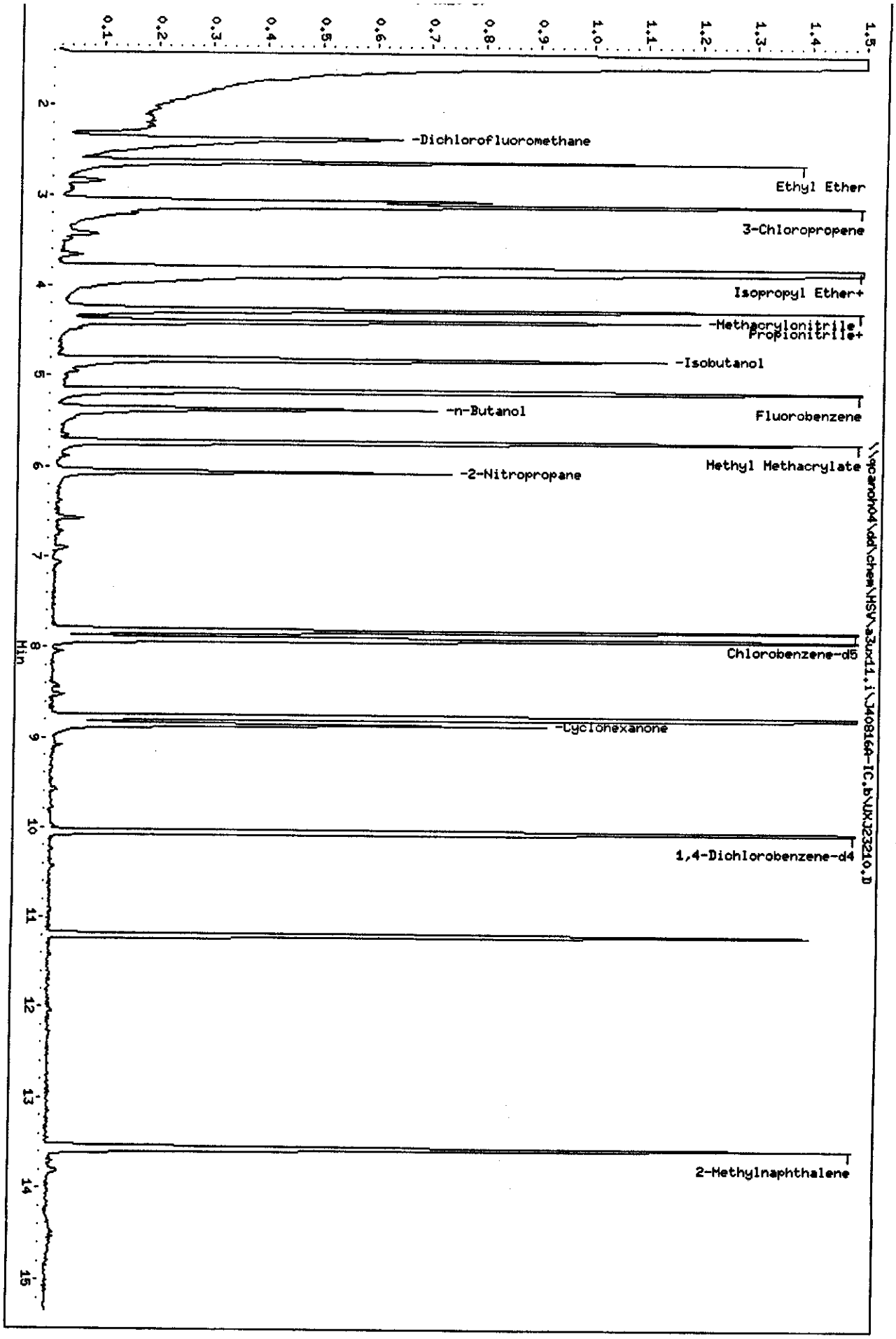
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

Data File: \\qcanon04\dd\chem\MSV\a3ux11.1\040816A-1C.b\0xJ23209.D
Report Date: 17-Aug-2004 14:56

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J408160-IC.b\UXJ23210.D
Date : 16-AUG-2004 16:40
Client ID:
Sample Info: 100NG-A9IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
\\qcanoh04\dd\chem\HSV\a3ux11.i\J408160-IC.b\UXJ23210.D
-Dichlorofluoromethane
Ethyl Ether
3-Chloropropene
Isopropyl Ether+
-Methacrylonitrile
Propionitrile+
-Isobutanol
-n-Butanol
Fluorobenzene
Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
2-Methylnaphthalene
Min

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23210.D
Lab Smp Id: 100NG-A9IC
Inj Date : 16-AUG-2004 16:40
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 100NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,5
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:56 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.D
Als bottle: 9 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

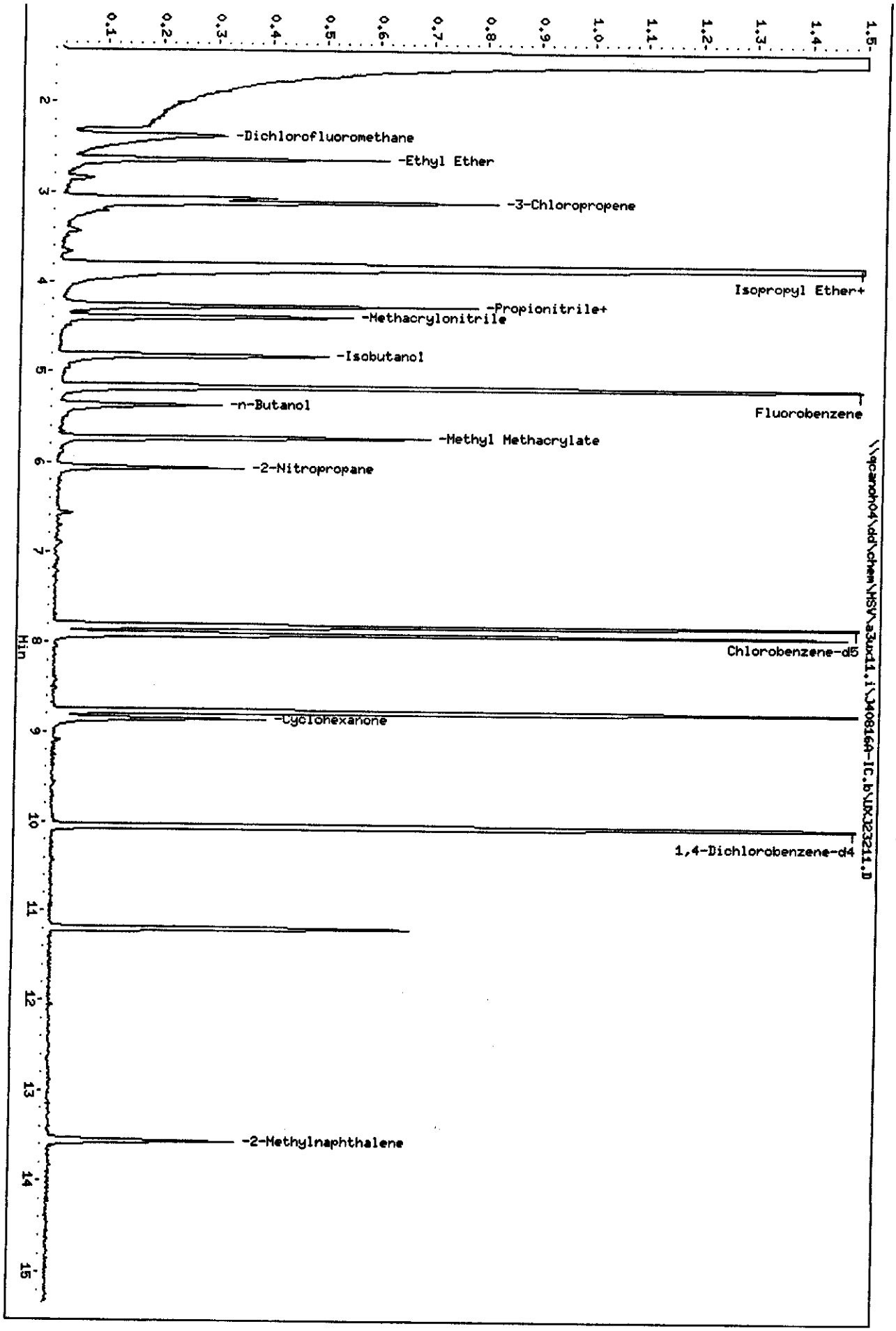
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.171	5.171	(1.000)	1987706	50.0000	
* 2 Chlorobenzene-d5	117	7.822	7.822	(1.000)	1429041	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	734335	50.0000	
14 Dichlorofluoromethane	67	2.367	2.367	(0.458)	1919583	100.000	99.570
89 Ethyl Ether	59	2.627	2.627	(0.508)	952411	100.000	97.174
91 3-Chloropropene	76	3.112	3.112	(0.602)	432982	100.000	105.69
92 Isopropyl Ether	87	3.810	3.810	(0.737)	4697492	500.000	528.62(A)
93 2-Chloro-1,3-butadiene	53	3.846	3.846	(0.744)	1537316	100.000	103.74
94 Propionitrile	54	4.260	4.260	(0.824)	325535	200.000	193.55
95 Ethyl Acetate	43	4.260	4.260	(0.824)	1943985	200.000	199.52
96 Methacrylonitrile	41	4.390	4.390	(0.849)	647907	100.000	102.57
97 Isobutanol	41	4.816	4.816	(0.616)	662388	2000.00	2029.7(A)
99 n-Butanol	56	5.361	5.361	(0.685)	498130	2000.00	2120.8(A)
100 Methyl Methacrylate	41	5.727	5.727	(1.108)	831362	100.000	107.08
101 2-Nitropropane	41	6.059	6.059	(1.172)	493098	200.000	204.02(A)
103 Cyclohexanone	55	8.851	8.851	(0.881)	453132	1000.00	1135.4(A)
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	1299383	200.000	361.47(A)

Report Date: 17-Aug-2004 14:57

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 16-AUG-2004 17:03
Client ID:
Sample Info: 50NG-A9IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
-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

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23211.D
Lab Smp Id: 50NG-A9IC
Inj Date : 16-AUG-2004 17:03
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,4
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:57 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.D
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.171	5.171	(1.000)	1946935	50.0000	
* 2 Chlorobenzene-d5	117	7.822	7.822	(1.000)	1394264	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	698314	50.0000	
14 Dichlorofluoromethane	67	2.379	2.379	(0.460)	957001	50.0000	50.680
89 Ethyl Ether	59	2.639	2.639	(0.510)	461257	50.0000	48.047
91 3-Chloropropene	76	3.112	3.112	(0.602)	208248	50.0000	51.898
92 Isopropyl Ether	87	3.810	3.810	(0.737)	2284128	250.000	262.42(A)
93 2-Chloro-1,3-butadiene	53	3.846	3.846	(0.744)	760882	50.0000	52.422
94 Propionitrile	54	4.260	4.260	(0.824)	160094	100.000	97.178
95 Ethyl Acetate	43	4.272	4.272	(0.826)	927819	100.000	97.223
96 Methacrylonitrile	41	4.390	4.390	(0.849)	308829	50.0000	49.914
97 Isobutanol	41	4.816	4.816	(0.616)	309158	1000.00	970.97(A)
99 n-Butanol	56	5.361	5.361	(0.685)	234037	1000.00	1021.2(A)
100 Methyl Methacrylate	41	5.727	5.727	(1.108)	388455	50.0000	51.079
101 2-Nitropropane	41	6.059	6.059	(1.172)	242106	100.000	102.27
103 Cyclohexanone	55	8.851	8.851	(0.881)	204421	500.000	538.66(A)
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	247408	100.000	72.376

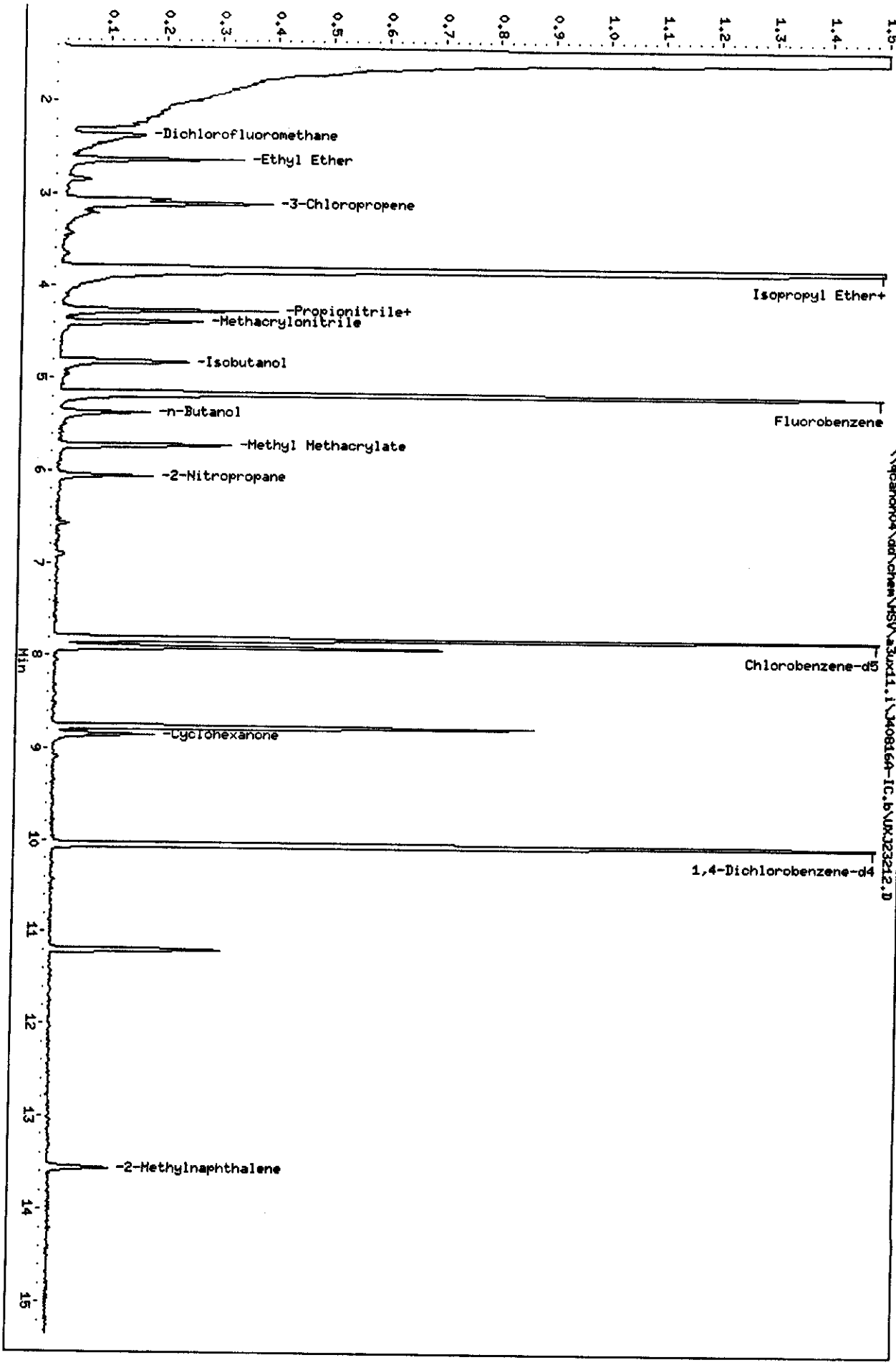
Report Date: 17-Aug-2004 14:57

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J408166A-IC.b\UXJ23212.D
Date : 16-AUG-2004 17:26
Client ID:
Sample Info: 25NG-A91C
Purge Volume: 5.0
Column phase: DB624

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



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VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23212.D
Lab Smp Id: 25NG-A9IC
Inj Date : 16-AUG-2004 17:26
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 25NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:57 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.D
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

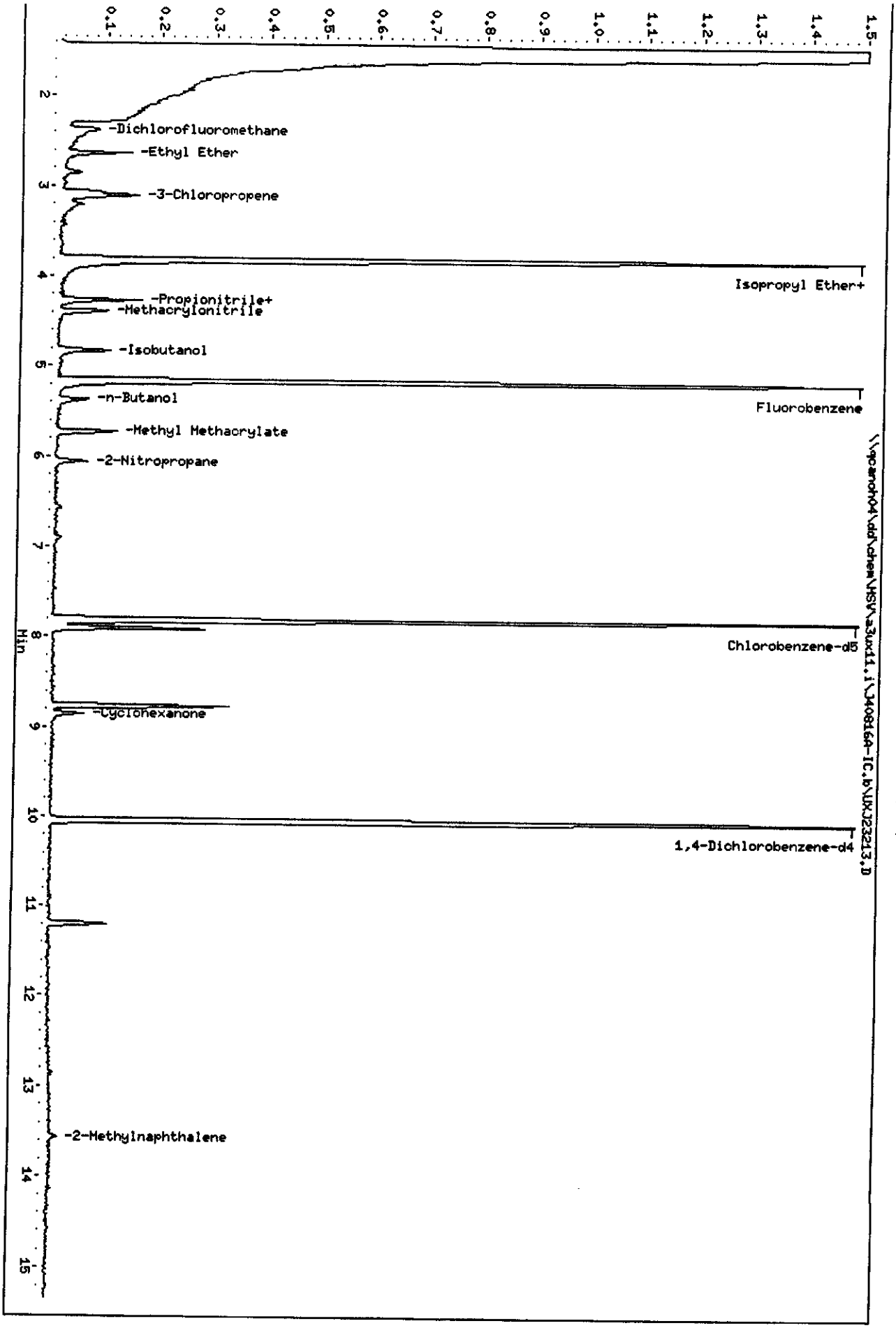
Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40816A-IC.b\UXJ23213.D
Date : 16-AUG-2004 17:48
Client ID:
Sample Info: 10NG-A9IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
\\qcanoh04\dd\chem\HSV\a3ux11.i\J40816A-IC.b\UXJ23213.D
-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

STL North Canton

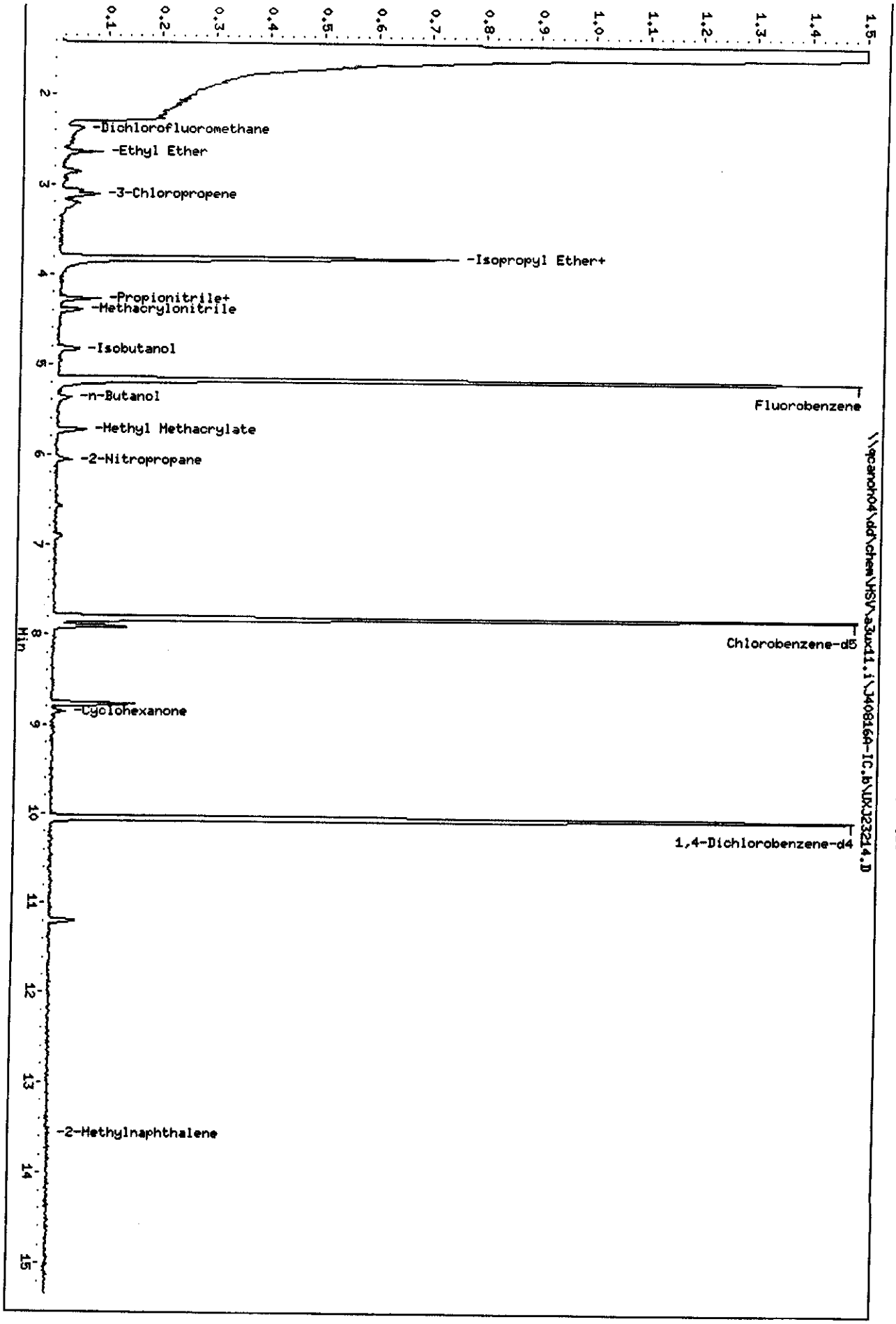
VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23213.D
Lab Smp Id: 10NG-A9IC
Inj Date : 16-AUG-2004 17:48
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 10NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:58 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.D
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.171	5.171	(1.000)	1783996	50.0000	
* 2 Chlorobenzene-d5	117	7.822	7.822	(1.000)	1312732	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	643754	50.0000	
14 Dichlorofluoromethane	67	2.379	2.379	(0.460)	178398	10.0000	10.310
89 Ethyl Ether	59	2.639	2.639	(0.510)	91239	10.0000	10.372
91 3-Chloropropene	76	3.112	3.112	(0.602)	34795	10.0000	9.463
92 Isopropyl Ether	87	3.810	3.810	(0.737)	377202	50.0000	47.294
93 2-Chloro-1,3-butadiene	53	3.846	3.846	(0.744)	125775	10.0000	9.457
94 Propionitrile	54	4.260	4.260	(0.824)	31372	20.0000	20.782
95 Ethyl Acetate	43	4.272	4.272	(0.826)	170678	20.0000	19.518
96 Methacrylonitrile	41	4.390	4.390	(0.849)	57028	10.0000	10.059
97 Isobutanol	41	4.828	4.828	(0.617)	56016	200.000	186.86
99 n-Butanol	56	5.384	5.384	(0.688)	39656	200.000	183.79
100 Methyl Methacrylate	41	5.727	5.727	(1.108)	62629	10.0000	8.987
101 2-Nitropropane	41	6.059	6.059	(1.172)	44196	20.0000	20.375
103 Cyclohexanone	55	8.851	8.851	(0.881)	29984	100.000	85.706
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	13721	20.0000	4.354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Date : 16-AUG-2004 18:11
Client ID:
Sample Info: 5NG-A9IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43682
Column diameter: 0.18
\\qcanoh04\dd\chem\HSV\a3ux11.i\J408164-IC.b\UXJ23214.D
-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

STL North Canton

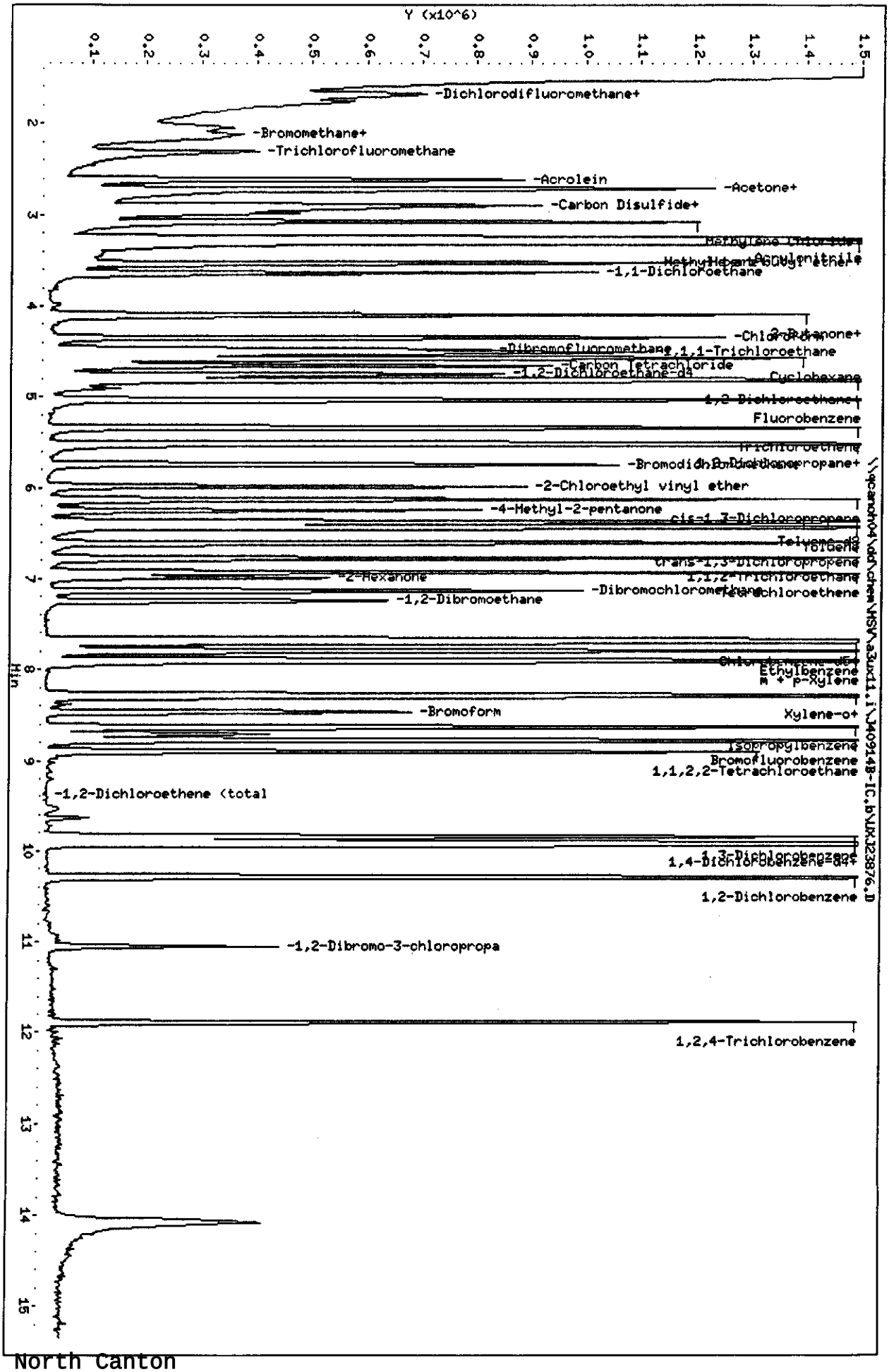
VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\UXJ23214.D
Lab Smp Id: 5NG-A9IC
Inj Date : 16-AUG-2004 18:11
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 5NG-A9IC
Misc Info : J40816A-IC,8260LLUX11,3-IX.SUB,43582,1,1
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\8260LLUX11.m
Meth Date : 17-Aug-2004 14:59 evansl Quant Type: ISTD
Cal Date : 16-AUG-2004 18:11 Cal File: UXJ23214.D
Als bottle: 13 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.171	5.171	(1.000)	1729289	50.0000	
* 2 Chlorobenzene-d5	117	7.822	7.822	(1.000)	1295054	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	623017	50.0000	
14 Dichlorofluoromethane	67	2.379	2.379	(0.460)	79325	5.00000	4.730
89 Ethyl Ether	59	2.639	2.639	(0.510)	46453	5.00000	5.448
91 3-Chloropropene	76	3.112	3.112	(0.602)	14700	5.00000	4.124
92 Isopropyl Ether	87	3.822	3.822	(0.739)	172012	25.0000	22.250
93 2-Chloro-1,3-butadiene	53	3.846	3.846	(0.744)	57084	5.00000	4.428
94 Propionitrile	54	4.260	4.260	(0.824)	15160	10.0000	10.360
95 Ethyl Acetate	43	4.272	4.272	(0.826)	86994	10.0000	10.263
96 Methacrylonitrile	41	4.390	4.390	(0.849)	26752	5.00000	4.868
97 Isobutanol	41	4.816	4.816	(0.616)	31443	100.000	106.32
99 n-Butanol	56	5.372	5.372	(0.687)	18347	100.000	86.193
100 Methyl Methacrylate	41	5.727	5.727	(1.108)	30951	5.00000	4.582
101 2-Nitropropane	41	6.059	6.059	(1.172)	18407	10.0000	8.754
103 Cyclohexanone	55	8.851	8.851	(0.881)	13502	50.0000	39.878
146 2-Methylnaphthalene	142	13.561	13.561	(1.350)	1849	10.0000	0.6063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Date : 14-SEP-2004 16:04
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43562
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
Methylene Chloride
Acrylonitrile
Methyl tert-butyl ether+
-1,1-Dichloroethane
-Chloroform
2-Butanone+
-Dibromofluoromethane
1,1,1-Trichloroethane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Cyclohexane
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-Bromodichloromethane+
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-4-Methyl-2-pentanone
cis-1,3-Dichloropropene
Toluene-d8
Toluene
trans-1,3-Dichloropropene
-2-Hexanone
1,1,2-Trichloroethane
-Dibromochloromethane
Tetrachloroethene
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane
-1,2-Dichloroethene (total
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux11.i\J409148-IC.b\UX123876.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23876.D
Report Date: 15-Sep-2004 13:02

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23876.D
Lab Smp Id: ICV
Inj Date : 14-SEP-2004 16:04
Operator : 43582 Inst ID: a3ux11.i
Smp Info : ICV
Misc Info : J40914B-IC,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Meth Date : 15-Sep-2004 13:00 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 8 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.029	5.029	(1.000)	2348288	50.0000	
* 2 Chlorobenzene-d5	117	7.680	7.680	(1.000)	1882362	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904	(1.000)	979729	50.0000	
$ 4 Dibromofluoromethane	113	4.473	4.473	(0.889)	519715	47.5349	9.507
$ 5 1,2-Dichloroethane-d4	65	4.745	4.757	(0.944)	739678	49.1997	9.840
$ 6 Toluene-d8	98	6.378	6.378	(0.831)	2226509	49.2353	9.847
$ 7 Bromofluorobenzene	95	8.780	8.780	(1.143)	975336	50.7609	10.152
8 Dichlorodifluoromethane	85	1.527	1.526	(0.304)	559620	45.5836	9.117
9 Chloromethane	50	1.680	1.668	(0.334)	898254	40.9791	8.196
10 Vinyl Chloride	62	1.775	1.763	(0.353)	639778	42.6691	8.534
11 Bromomethane	94	2.047	2.035	(0.407)	315198	44.3200	8.864
12 Chloroethane	64	2.118	2.118	(0.421)	481308	43.6780	8.736
13 Trichlorofluoromethane	101	2.308	2.307	(0.459)	756987	48.1676	9.634
15 Acrolein	56	2.615	2.615	(0.520)	1028164	700.930	140.18
16 Acetone	43	2.722	2.722	(0.541)	180849	30.6678	6.134
17 1,1-Dichloroethene	96	2.710	2.710	(0.539)	499203	47.5355	9.507
18 Freon-113	151	2.734	2.745	(0.544)	373218	56.5832	11.317
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23876.D
Report Date: 15-Sep-2004 13:02

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.899	2.899	(0.577)	1850176	47.1646	9.433
	21 Methylene Chloride	84	3.077	3.077	(0.612)	719449	48.2118	9.642
	22 Acetonitrile	41	2.935	2.946	(0.584)	665528	477.523	95.505
	23 Acrylonitrile	53	3.254	3.254	(0.647)	2230444	514.640	102.93
	24 Methyl tert-butyl ether	73	3.302	3.301	(0.657)	1561889	46.3911	9.278
	25 trans-1,2-Dichloroethene	96	3.313	3.313	(0.659)	587539	47.1615	9.432
	26 Hexane	86	3.526	3.526	(0.701)	107938	53.4083	10.682
	27 Vinyl acetate	43	3.526	3.656	(0.701)	387039	19.4150	3.883
	28 1,1-Dichloroethane	63	3.633	3.633	(0.722)	1082468	47.6309	9.526
	29 tert-Butyl Alcohol	59	2.994	3.148	(0.595)	39015	42.7151	8.543
	30 2-Butanone	43	4.083	4.094	(0.812)	269449	41.8924	8.378
M	31 1,2-Dichloroethene (total)	96				1210887	94.7835	18.957
	32 cis-1,2-dichloroethene	96	4.094	4.106	(0.814)	623348	47.6220	9.524
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.343	4.343	(0.864)	1075879	47.0934	9.419
	36 Tetrahydrofuran	42	4.083	4.331	(0.812)	19114	5.46454	1.093
	37 1,1,1-Trichloroethane	97	4.509	4.508	(0.896)	785098	45.5027	9.100
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.662	4.650	(0.927)	620420	45.7962	9.159
	40 1,2-Dichloroethane	62	4.816	4.816	(0.958)	918291	49.1951	9.839
	41 Benzene	78	4.816	4.816	(0.958)	2512537	46.4726	9.294
	42 Trichloroethene	130	5.337	5.349	(1.061)	576326	46.7078	9.342
	43 1,2-Dichloropropane	63	5.526	5.514	(1.099)	631042	47.3158	9.463
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.751	5.751	(1.144)	834464	47.5633	9.513
	47 2-Chloroethyl vinyl ether	63	5.988	5.988	(1.191)	393567	52.4826	10.496
	48 cis-1,3-Dichloropropene	75	6.130	6.129	(1.219)	1040015	48.4491	9.690
	49 4-Methyl-2-pentanone	43	6.248	6.248	(1.242)	560341	48.5456	9.709
	50 Toluene	91	6.437	6.437	(0.838)	2659243	47.3027	9.460
	51 trans-1,3-Dichloropropene	75	6.603	6.603	(0.860)	946487	46.9582	9.392
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.769	6.780	(0.881)	550573	48.2825	9.656
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.934	6.934	(0.903)	414030	45.4582	9.092
	56 2-Hexanone	43	6.982	6.993	(0.909)	397634	43.6825	8.736
	57 Dibromochloromethane	129	7.135	7.135	(0.929)	609608	50.1213	10.024
	58 1,2-Dibromoethane	107	7.254	7.242	(0.945)	556274	49.5113	9.902
	59 Chlorobenzene	112	7.703	7.703	(1.003)	1718695	47.2166	9.443
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.798	7.798	(1.015)	866451	47.1356	9.427
	62 m + p-Xylene	106	7.905	7.904	(1.029)	2209377	93.3186	18.664
M	63 Xylenes (total)	106				3314793	140.878	28.176
	64 Xylene-o	106	8.283	8.283	(1.079)	1105416	47.5597	9.512
	65 Styrene	104	8.295	8.295	(1.080)	1998604	48.0849	9.617
	66 Bromoform	173	8.473	8.472	(1.103)	410026	49.5965	9.919

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23876.D
Report Date: 15-Sep-2004 13:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.626	8.626	(1.123)	2523492	48.7480	9.750
68 1,1,2,2-Tetrachloroethane	83	8.899	8.898	(0.898)	760843	51.5174	10.303
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.845	9.845	(0.994)	1292290	47.8872	9.577
81 1,4-Dichlorobenzene	146	9.928	9.928	(1.002)	1394610	49.3955	9.879
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.295	10.295	(1.039)	1271863	47.8511	9.570
84 1,2-Dibromo-3-chloropropane	157	11.052	11.064	(1.116)	129232	51.6742	10.335
85 1,2,4-Trichlorobenzene	180	11.892	11.892	(1.201)	539429	47.6703	9.534
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.568	4.568	(0.908)	791178	45.7968	9.159
143 Methyl Acetate	43	2.994	2.994	(0.595)	449301	46.5123	9.302
144 Methylcyclohexane	83	5.514	5.514	(1.096)	649471	44.7998	8.960
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23876.D
Report Date: 15-Sep-2004 13:02

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23876.D
Lab Smp Id: ICV
Inj Date : 14-SEP-2004 16:04
Operator : 43582 Inst ID: a3ux11.i
Smp Info : ICV
Misc Info : J40914B-IC,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Meth Date : 15-Sep-2004 13:00 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 8 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

ISTD	RT	AREA	AMOUNT
* 3 1,4-Dichlorobenzene-d4	9.905	11855402	50.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Diethyl Phthalate				CAS #: 84-66-2			
14.082	3337115	14.0742381	2.815	98	NBS75K.l	28064	3

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23876.D
Report Date: 15-Sep-2004 13:02

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

Client SDG: SDGa00594
Fraction: VOA
Operator: 43582
SampleType: METHSPIKE
Quant Type: ISTD

Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\8260LLUX11.m
Misc Info: J40914B-IC,8260LLUX11,2-8260.SUB,43582,3

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	9.507	95.07	45-155
	42 Trichloroethene	10.000	9.342	93.42	45-155
	59 Chlorobenzene	10.000	9.443	94.43	45-155
	50 Toluene	10.000	9.460	94.60	45-155
	41 Benzene	10.000	9.294	92.94	45-155
	16 Acetone	10.000	6.134	61.34	45-155
	20 Carbon Disulfide	10.000	9.433	94.33	45-155
	9 Chloromethane	10.000	8.196	81.96	45-155
	11 Bromomethane	10.000	8.864	88.64	45-155
	10 Vinyl Chloride	10.000	8.534	85.34	45-155
	12 Chloroethane	10.000	8.736	87.36	45-155
	21 Methylene Chloride	10.000	9.642	96.42	45-155
	28 1,1-Dichloroethane	10.000	9.526	95.26	45-155
M	31 1,2-Dichloroethene	20.000	18.957	94.78	45-155
	35 Chloroform	10.000	9.419	94.19	45-155
	40 1,2-Dichloroethane	10.000	9.839	98.39	45-155
	30 2-Butanone	10.000	8.378	83.78	45-155
	37 1,1,1-Trichloroeth	10.000	9.100	91.00	45-155
	39 Carbon Tetrachlori	10.000	9.159	91.59	45-155
	46 Bromodichlorometha	10.000	9.513	95.13	45-155
	43 1,2-Dichloropropan	10.000	9.463	94.63	45-155
	48 cis-1,3-Dichloropr	10.000	9.690	96.90	45-155
	57 Dibromochlorometha	10.000	10.024	100.24	45-155
	53 1,1,2-Trichloroeth	10.000	9.656	96.56	45-155
	51 trans-1,3-Dichloro	10.000	9.392	93.92	45-155
	66 Bromoform	10.000	9.919	99.19	45-155
	49 4-Methyl-2-pentano	10.000	9.709	97.09	45-155
	56 2-Hexanone	10.000	8.736	87.36	45-155
	55 Tetrachloroethene	10.000	9.092	90.92	45-155
	68 1,1,2,2-Tetrachlor	10.000	10.303	103.03	45-155
	61 Ethylbenzene	10.000	9.427	94.27	45-155
	65 Styrene	10.000	9.617	96.17	45-155
M	63 Xylenes (total)	30.000	28.176	93.92	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\UXJ23876.D
Report Date: 15-Sep-2004 13:02

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
32 cis-1,2-dichloroet	10.000	9.524	95.24	45-155
25 trans-1,2-Dichloro	10.000	9.432	94.32	45-155
8 Dichlorodifluorome	10.000	9.117	91.17	45-155
13 Trichlorofluoromet	10.000	9.634	96.34	45-155
18 Freon-113	10.000	11.317	113.17	45-155
24 Methyl tert-butyl	10.000	9.278	92.78	45-155
58 1,2-Dibromoethane	10.000	9.902	99.02	45-155
67 Isopropylbenzene	10.000	9.750	97.50	45-155
80 1,3-Dichlorobenzen	10.000	9.577	95.77	45-155
81 1,4-Dichlorobenzen	10.000	9.879	98.79	45-155
83 1,2-Dichlorobenzen	10.000	9.570	95.70	45-155
84 1,2-Dibromo-3-chlo	10.000	10.335	103.35	45-155
85 1,2,4-Trichloroben	10.000	9.534	95.34	45-155
98 Cyclohexane	10.000	9.159	91.59	45-155
143 Methyl Acetate	10.000	9.302	93.02	45-155
144 Methylcyclohexane	10.000	8.960	89.60	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.507	95.07	73-122
$ 5 1,2-Dichloroethane	10.000	9.840	98.40	61-128
$ 6 Toluene-d8	10.000	9.847	98.47	76-110
$ 7 Bromofluorobenzene	10.000	10.152	101.52	74-116

Report Date: 21-Sep-2004 09:44

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\8260LLUX11.m
Start Cal Date: 16-AUG-2004 16:18
End Cal Date : 14-SEP-2004 15:41
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
14-SEP-2004 15:41	2-8260	UXJ23875.D
16-AUG-2004 18:11	3-IX	UXJ23214.D
Cal Level: 2 , Cal Amount: 10.000		
14-SEP-2004 15:19	2-8260	UXJ23874.D
16-AUG-2004 17:48	3-IX	UXJ23213.D
Cal Level: 3 , Cal Amount: 25.000		
14-SEP-2004 14:57	2-8260	UXJ23873.D
16-AUG-2004 17:26	3-IX	UXJ23212.D
Cal Level: 4 , Cal Amount: 50.000		
14-SEP-2004 14:33	2-8260	UXJ23872.D
16-AUG-2004 17:03	3-IX	UXJ23211.D
Cal Level: 5 , Cal Amount: 100.00		
14-SEP-2004 14:10	2-8260	UXJ23871.D
16-AUG-2004 16:40	3-IX	UXJ23210.D
Cal Level: 6 , Cal Amount: 200.00		
14-SEP-2004 13:48	2-8260	UXJ23870.D
16-AUG-2004 16:18	3-IX	UXJ23209.D

Continuing Calibration

20-SEP-2004 11:46	2-8260	UXJ23989.D
20-SEP-2004 12:30	3-IX	UXJ23990.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23989.D
Report Date: 20-Sep-2004 14:04

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ23989.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40920A.b\8260LLUX11.m

Injection Date: 20-SEP-2004 11:46
Init. Cal. Date(s): 16-AUG-2004 14-SEP-2004
Init. Cal. Times: 16:18 15:41
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
$	4 Dibromofluoromethane	0.23279	0.23000	0.010	-1.2	50.0
$	5 1,2-Dichloroethane-d4	0.32011	0.31756	0.010	-0.8	50.0
$	6 Toluene-d8	1.20120	1.32792	0.010	10.5	50.0
$	7 Bromofluorobenzene	0.51038	0.47803	0.010	-6.3	50.0
	8 Dichlorodifluoromethane	0.26140	0.20620	0.010	-21.1	50.0
	9 Chloromethane	0.46672	0.37567	0.100	-19.5	50.0
	10 Vinyl Chloride	0.31925	0.28249	0.010	-11.5	20.0
	11 Bromomethane	0.15143	0.08492	0.010	-43.9	50.0
	12 Chloroethane	0.23463	0.17815	0.010	-24.1	50.0
	13 Trichlorofluoromethane	0.33462	0.26136	0.010	-21.9	50.0
	15 Acrolein	0.03123	0.03418	0.010	9.4	50.0
	16 Acetone	100	112	0.010	-11.6	50.0
	17 1,1-Dichloroethene	0.22360	0.20801	0.010	-7.0	20.0
	18 Freon-113	50.00000	46.47669	0.010	7.0	50.0
	19 Iodomethane	0.33050	0.26325	0.010	-20.3	50.0
	20 Carbon Disulfide	0.83525	0.67838	0.010	-18.8	50.0
	21 Methylene Chloride	50.00000	46.16494	0.010	7.7	50.0
	22 Acetonitrile	0.02967	0.03040	0.010	2.4	50.0
	23 Acrylonitrile	0.09228	0.09683	0.010	4.9	50.0
	24 Methyl tert-butyl ether	0.71686	0.65518	0.010	-8.6	50.0
	25 trans-1,2-Dichloroethene	0.26526	0.23477	0.010	-11.5	50.0
	26 Hexane	50.00000	51.25982	0.010	-2.5	20.0
	27 Vinyl acetate	0.42446	0.42901	0.010	1.1	50.0
	28 1,1-Dichloroethane	0.48389	0.43887	0.100	-9.3	50.0
	29 tert-Butyl Alcohol	0.01945	0.01897	0.010	-2.5	50.0
	30 2-Butanone	0.13695	0.14121	0.010	3.1	50.0
M	31 1,2-Dichloroethene (total)	0.27198	0.24525	0.010	-9.8	50.0
	32 cis-1,2-dichloroethene	0.27870	0.25573	0.010	-8.2	50.0
	33 2,2-Dichloropropane	0.29161	0.22072	0.010	-24.3	50.0
	34 Bromochloromethane	0.12906	0.12182	0.010	-5.6	50.0
	35 Chloroform	0.48643	0.44153	0.010	-9.2	20.0
	36 Tetrahydrofuran	50.00000	55.97493	0.010	-11.9	50.0
	37 1,1,1-Trichloroethane	0.36737	0.30972	0.010	-15.7	50.0
	38 1,1-Dichloropropene	0.34240	0.31637	0.010	-7.6	50.0
	39 Carbon Tetrachloride	0.28845	0.24093	0.010	-16.5	50.0
	40 1,2-Dichloroethane	0.39745	0.37505	0.010	-5.6	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23989.D
Report Date: 20-Sep-2004 14:04

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ23989.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40920A.b\8260LLUX11.m

Injection Date: 20-SEP-2004 11:46
Init. Cal. Date(s): 16-AUG-2004 14-SEP-2004
Init. Cal. Times: 16:18 15:41
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	1.15116	1.04169	0.010	-9.5	50.0	
	42 Trichloroethene	0.26272	0.23828	0.010	-9.3	50.0	
	43 1,2-Dichloropropane	0.28397	0.25591	0.010	-9.9	20.0	
	44 1,4-Dioxane	0.00243	0.00264	0.010	8.3	50.0	<-
	45 Dibromomethane	0.15736	0.14693	0.010	-6.6	50.0	
	46 Bromodichloromethane	0.37355	0.33684	0.010	-9.8	50.0	
	47 2-Chloroethyl vinyl ether	0.15967	0.16155	0.010	1.2	50.0	
	48 cis-1,3-Dichloropropene	0.45706	0.40262	0.010	-11.9	50.0	
	49 4-Methyl-2-pentanone	0.24577	0.24101	0.010	-1.9	50.0	
	50 Toluene	1.49327	1.52093	0.010	1.9	20.0	
	51 trans-1,3-Dichloropropene	0.53539	0.53434	0.010	-0.2	50.0	
	52 Ethyl Methacrylate	0.46066	0.50152	0.010	8.9	50.0	
	53 1,1,2-Trichloroethane	0.30290	0.32917	0.010	8.7	50.0	
	54 1,3-Dichloropropane	0.57071	0.60475	0.010	6.0	50.0	
	55 Tetrachloroethene	0.24193	0.24623	0.010	1.8	50.0	
	56 2-Hexanone	0.24179	0.25182	0.010	4.1	50.0	
	57 Dibromochloromethane	0.32307	0.33514	0.010	3.7	50.0	
	58 1,2-Dibromoethane	0.29844	0.31186	0.010	4.5	50.0	
	59 Chlorobenzene	0.96688	0.94574	0.300	-2.2	50.0	
	60 1,1,1,2-Tetrachloroethane	0.33590	0.32328	0.010	-3.8	50.0	
	61 Ethylbenzene	0.48827	0.47876	0.010	-1.9	20.0	
	62 m + p-Xylene	0.62888	0.60528	0.010	-3.8	50.0	
M	63 Xylenes (total)	0.62505	0.59716	0.010	-4.5	50.0	
	64 Xylene-o	0.61738	0.58090	0.010	-5.9	50.0	
	65 Styrene	1.10404	1.04897	0.010	-5.0	50.0	
	66 Bromoform	0.21960	0.21124	0.100	-3.8	50.0	
	67 Isopropylbenzene	1.37503	1.25529	0.010	-8.7	50.0	
	68 1,1,2,2-Tetrachloroethane	0.75371	0.82421	0.300	9.4	50.0	
	69 1,4-Dichloro-2-butene	0.24799	0.26924	0.010	8.6	50.0	
	70 1,2,3-Trichloropropane	0.24733	0.27955	0.010	13.0	50.0	
	71 Bromobenzene	0.74599	0.78035	0.010	4.6	50.0	
	72 n-Propylbenzene	0.69551	0.70826	0.010	1.8	50.0	
	73 2-Chlorotoluene	0.68879	0.68117	0.010	-1.1	50.0	
	74 1,3,5-Trimethylbenzene	2.31439	2.30920	0.010	-0.2	50.0	
	75 4-Chlorotoluene	0.73580	0.74442	0.010	1.2	50.0	
	76 tert-Butylbenzene	1.87499	1.77103	0.010	-5.5	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23989.D
Report Date: 20-Sep-2004 14:04

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ23989.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40920A.b\8260LLUX11.m

Injection Date: 20-SEP-2004 11:46
Init. Cal. Date(s): 16-AUG-2004 14-SEP-2004
Init. Cal. Times: 16:18 15:41
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	2.47063	2.46843	0.010	-0.1	50.0
78 sec-Butylbenzene	2.53792	2.44385	0.010	-3.7	50.0
79 4-Isopropyltoluene	2.11151	2.01208	0.010	-4.7	50.0
80 1,3-Dichlorobenzene	1.37723	1.31689	0.010	-4.4	50.0
81 1,4-Dichlorobenzene	1.44089	1.37861	0.010	-4.3	50.0
82 n-Butylbenzene	1.88626	1.70913	0.010	-9.4	50.0
83 1,2-Dichlorobenzene	1.35648	1.29037	0.010	-4.9	50.0
84 1,2-Dibromo-3-chloropropane	0.12763	0.12217	0.010	-4.3	50.0
85 1,2,4-Trichlorobenzene	0.57750	0.50390	0.010	-12.7	50.0
86 Hexachlorobutadiene	50.00000	47.01082	0.010	6.0	50.0
87 Naphthalene	1.36300	1.15659	0.010	-15.1	50.0
88 1,2,3-Trichlorobenzene	0.41413	0.35111	0.010	-15.2	50.0
98 Cyclohexane	0.36784	0.34749	0.010	-5.5	50.0
143 Methyl Acetate	0.20568	0.20326	0.010	-1.2	50.0
144 Methylcyclohexane	0.30868	0.29015	0.010	-6.0	50.0
141 1,3,5-Trichlorobenzene	0.76231	0.67912	0.010	-10.9	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b/UXJ23989.D
Report Date: 09/20/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ23989.D
Analysis Type: WATER

Injection Date: 20-SEP-2004 11:46
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J40920A

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	48.9070	2.2	50.0
0 Bromodichloromethane	50.0000	45.0860	9.8	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	54.6768	9.4	50.0
0 Bromoform	50.0000	48.0974	3.8	50.0
0 Styrene	50.0000	47.5062	5.0	50.0
0 Xylene-o	50.0000	47.0456	5.9	50.0
0 Xylenes (total)	150.0000	143.2931	4.5	50.0
0 2-Hexanone	100.0000	104.1452	4.1	50.0
0 Chloromethane	50.0000	40.2454	19.5	50.0
0 Vinyl Chloride	50.0000	44.2420	11.5	20.0
0 Bromomethane	50.0000	28.0398	43.9	50.0
0 Chloroethane	50.0000	37.9634	24.1	50.0
0 1,1-Dichloroethane	50.0000	45.3486	9.3	50.0
0 Tetrachloroethene	50.0000	50.8896	1.8	50.0
0 Acetone	100.0000	111.6445	11.6	50.0
0 1,1-Dichloroethene	50.0000	46.5129	7.0	20.0
0 m + p-Xylene	100.0000	96.2475	3.8	50.0
0 Ethylbenzene	50.0000	49.0259	1.9	20.0
0 Carbon Disulfide	50.0000	40.6095	18.8	50.0
0 Methylene Chloride	50.0000	46.1649	7.7	50.0
0 1,2-Dichloropropane	50.0000	45.0602	9.9	20.0
0 1,1,2-Trichloroethane	50.0000	54.3378	8.7	50.0
0 Dibromochloromethane	50.0000	51.8683	3.7	50.0
0 trans-1,2-Dichloroethene	50.0000	44.2530	11.5	50.0
0 trans-1,3-Dichloropropene	50.0000	49.9017	0.2	50.0
0 cis-1,3-Dichloropropene	50.0000	44.0444	11.9	50.0
0 Chloroform	50.0000	45.3850	9.2	20.0
0 Toluene	50.0000	50.9260	1.9	20.0
0 2-Butanone	100.0000	103.1140	3.1	50.0
0 1,2-Dichloroethene (total)	100.0000	90.1324	9.9	50.0
0 cis-1,2-dichloroethene	50.0000	45.8794	8.2	50.0
0 4-Methyl-2-pentanone	100.0000	98.0648	1.9	50.0
0 1,2-Dichloroethane	50.0000	47.1829	5.6	50.0
0 Trichloroethene	50.0000	45.3485	9.3	50.0
0 1,1,1-Trichloroethane	50.0000	42.1538	15.7	50.0
0 Carbon Tetrachloride	50.0000	41.7621	16.5	50.0
0 Benzene	50.0000	45.2455	9.5	50.0
38 Dichlorodifluoromethane	50.0000	39.4422	21.1	50.0
39 Trichlorofluoromethane	50.0000	39.0529	21.9	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b/UXJ23989.D
Report Date: 09/20/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ23989.D
Analysis Type: WATER

Injection Date: 20-SEP-2004 11:46
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
40 Acrolein	500.0000	547.2334	9.4	50.0
41 Acrylonitrile	500.0000	524.6559	4.9	50.0
42 Vinyl acetate	50.0000	50.5364	1.1	50.0
43 2-Chloroethyl vinyl ether	100.0000	101.1749	1.2	50.0
47 Freon-113	50.0000	46.4767	7.0	50.0
48 1,3-Dichlorobenzene	50.0000	47.8096	4.4	50.0
49 1,4-Dichlorobenzene	50.0000	47.8389	4.3	50.0
50 1,2-Dichlorobenzene	50.0000	47.5634	4.9	50.0
51 Acetonitrile	500.0000	512.2081	2.4	50.0
52 Iodomethane	50.0000	39.8265	20.3	50.0
59 1,4-Dioxane	2500.0000	2708.0349	8.3	50.0
60 Dibromomethane	50.0000	46.6864	6.6	50.0
62 Ethyl Methacrylate	50.0000	54.4348	8.9	50.0
63 1,2-Dibromoethane	50.0000	52.2494	4.5	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	48.1208	3.8	50.0
65 1,2,3-Trichloropropane	50.0000	56.5123	13.0	50.0
66 1,4-Dichloro-2-butene	50.0000	54.2850	8.6	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	47.8598	4.3	50.0
82 Methyl tert-butyl ether	50.0000	45.6980	8.6	50.0
84 Tetrahydrofuran	50.0000	55.9749	11.9	50.0
98 2,2-Dichloropropane	50.0000	37.8455	24.3	50.0
99 1,1-Dichloropropene	50.0000	46.1998	7.6	50.0
100 1,3-Dichloropropane	50.0000	52.9818	6.0	50.0
102 Bromobenzene	50.0000	52.3030	4.6	50.0
103 2-Chlorotoluene	50.0000	49.4472	1.1	50.0
104 n-Propylbenzene	50.0000	50.9161	1.8	50.0
105 4-Chlorotoluene	50.0000	50.5860	1.2	50.0
106 1,3,5-Trimethylbenzene	50.0000	49.8880	0.2	50.0
107 tert-Butylbenzene	50.0000	47.2275	5.5	50.0
108 1,2,4-Trimethylbenzene	50.0000	49.9555	0.1	50.0
109 sec-Butylbenzene	50.0000	48.1467	3.7	50.0
110 4-Isopropyltoluene	50.0000	47.6457	4.7	50.0
111 n-Butylbenzene	50.0000	45.3046	9.4	50.0
112 1,2,4-Trichlorobenzene	50.0000	43.6279	12.7	50.0
113 Naphthalene	50.0000	42.4281	15.1	50.0
114 Hexachlorobutadiene	50.0000	47.0108	6.0	50.0
115 1,2,3-Trichlorobenzene	50.0000	42.3910	15.2	50.0
124 tert-Butyl Alcohol	1000.0000	975.1853	2.5	50.0

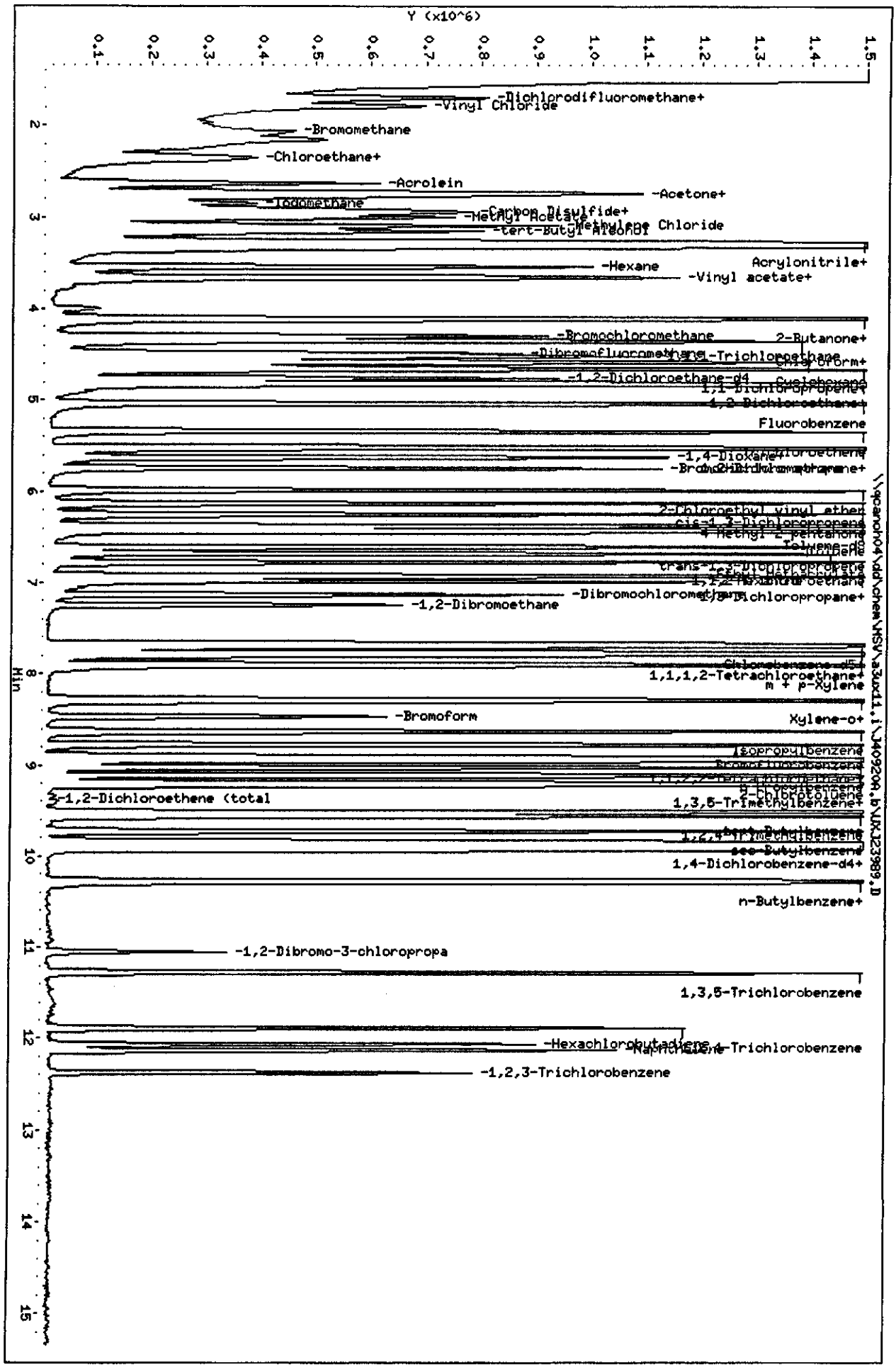
Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b/UXJ23989.D
Report Date: 09/20/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ23989.D
Analysis Type: WATER

Injection Date: 20-SEP-2004 11:46
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
125 Hexane	50.0000	51.2598	2.5	20.0
127 Cyclohexane	50.0000	47.2335	5.5	50.0
128 Isopropylbenzene	50.0000	45.6459	8.7	50.0
130 Fluorobenzene	50.0000	50.0000	0.0	50.0
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0
133 Bromochloromethane	50.0000	47.1961	5.6	50.0
141 1,3,5-Trichlorobenzene	50.0000	44.5433	10.9	50.0
143 Methyl Acetate	100.0000	98.8266	1.2	50.0
144 Methylcyclohexane	50.0000	46.9986	6.0	50.0
22 Toluene-d8	50.0000	55.2748	10.5	50.0
32 Bromofluorobenzene	50.0000	46.8307	6.3	50.0
47 1,2-Dichloroethane-d4	50.0000	49.6015	0.8	50.0
131 Dibromofluoromethane	50.0000	49.3992	1.2	50.0


Data File: \\pcanon04\dd\chem\HSV\a3ux11.i\J409200.b\UX123989.D
Date : 20-SEP-2004 11:46
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane+
-Acrolein
-Acetone+
-Iodomethane
Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
Acrylonitrile+
-Hexane
-Vinyl acetate+
-Bromochloromethane
2-Butanone+
-Dibromofluoromethane
1,1,1-Trichloroethane
Chloroform+
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
-1,4-Dioxane
Carbon Tetrachloride+
-Bromodichloromethane+
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
4-Ethylbenzene
4-Chlorotoluene
-1,2-Dichloroethene (total
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
-Hexachlorobutadiene
Naphthalene
1,2,4-Trichlorobenzene
-1,2,3-Trichlorobenzene
\\pcanon04\dd\chem\HSV\a3ux11.i\J409200.b\UX123989.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23989.D
Report Date: 21-Sep-2004 08:58

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23989.D
Lab Smp Id: 50NG-CC
Inj Date : 20-SEP-2004 11:46
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-CC
Misc Info : J40920A,8260LLUX11,2-8260.SUB,43582,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40920A.b\8260LLUX11.m
Meth Date : 21-Sep-2004 08:58 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	5.041	5.041	(1.000)	2548166	50.0000	
* 2 Chlorobenzene-d5	117	7.680	7.680	(1.000)	1734613	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904	(1.000)	829021	50.0000	
$ 4 Dibromofluoromethane	113	4.485	4.485	(0.890)	586070	50.0000	49.399
$ 5 1,2-Dichloroethane-d4	65	4.757	4.757	(0.944)	809194	50.0000	49.602
$ 6 Toluene-d8	98	6.378	6.378	(0.831)	2303429	50.0000	55.275
$ 7 Bromofluorobenzene	95	8.780	8.780	(1.143)	829194	50.0000	46.831
8 Dichlorodifluoromethane	85	1.562	1.562	(0.310)	525440	50.0000	39.442
9 Chloromethane	50	1.692	1.692	(0.336)	957258	50.0000	40.245
10 Vinyl Chloride	62	1.787	1.787	(0.355)	719827	50.0000	44.242
11 Bromomethane	94	2.059	2.059	(0.409)	216390	50.0000	28.040(H)
12 Chloroethane	64	2.154	2.154	(0.427)	453944	50.0000	37.963
13 Trichlorofluoromethane	101	2.331	2.331	(0.463)	665985	50.0000	39.053
15 Acrolein	56	2.627	2.627	(0.521)	871039	500.000	547.23
16 Acetone	43	2.745	2.745	(0.545)	629154	100.000	111.64
17 1,1-Dichloroethene	96	2.722	2.722	(0.540)	530041	50.0000	46.513
18 Freon-113	151	2.769	2.769	(0.549)	331398	50.0000	46.477

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23989.D
Report Date: 21-Sep-2004 08:58

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.852	2.852	(0.566)	670811	50.0000	39.826
	20 Carbon Disulfide	76	2.923	2.923	(0.580)	1728625	50.0000	40.610
	21 Methylene Chloride	84	3.100	3.100	(0.615)	753027	50.0000	46.165
	22 Acetonitrile	41	2.958	2.958	(0.587)	774631	500.000	512.21
	23 Acrylonitrile	53	3.278	3.278	(0.650)	2467396	500.000	524.66
	24 Methyl tert-butyl ether	73	3.313	3.313	(0.657)	1669511	50.0000	45.698
	25 trans-1,2-Dichloroethene	96	3.325	3.325	(0.660)	598231	50.0000	44.253
	26 Hexane	86	3.538	3.538	(0.702)	112273	50.0000	51.260
	27 Vinyl acetate	43	3.668	3.668	(0.728)	1093197	50.0000	50.536
	28 1,1-Dichloroethane	63	3.645	3.645	(0.723)	1118322	50.0000	45.348
	29 tert-Butyl Alcohol	59	3.160	3.160	(0.627)	966529	1000.00	975.18
	30 2-Butanone	43	4.094	4.094	(0.812)	719675	100.000	103.11
M	31 1,2-Dichloroethene (total)	96				1249886	100.000	90.132
	32 cis-1,2-dichloroethene	96	4.106	4.106	(0.815)	651655	50.0000	45.879
	33 2,2-Dichloropropane	77	4.118	4.118	(0.817)	562430	50.0000	37.846
	34 Bromochloromethane	128	4.296	4.296	(0.852)	310416	50.0000	47.196
	35 Chloroform	83	4.355	4.355	(0.864)	1125102	50.0000	45.385
	36 Tetrahydrofuran	42	4.343	4.343	(0.862)	214719	50.0000	55.975
	37 1,1,1-Trichloroethane	97	4.520	4.520	(0.897)	789222	50.0000	42.154
	38 1,1-Dichloropropene	75	4.651	4.651	(0.923)	806171	50.0000	46.200
	39 Carbon Tetrachloride	117	4.662	4.662	(0.925)	613927	50.0000	41.762
	40 1,2-Dichloroethane	62	4.816	4.816	(0.955)	955696	50.0000	47.183
	41 Benzene	78	4.816	4.816	(0.955)	2654408	50.0000	45.246
	42 Trichloroethene	130	5.349	5.349	(1.061)	607182	50.0000	45.348
	43 1,2-Dichloropropane	63	5.526	5.526	(1.096)	652112	50.0000	45.060
	44 1,4-Dioxane	88	5.633	5.633	(1.117)	335930	2500.00	2708.0(A)
	45 Dibromomethane	93	5.621	5.621	(1.115)	374395	50.0000	46.686
	46 Bromodichloromethane	83	5.751	5.751	(1.141)	858328	50.0000	45.086
	47 2-Chloroethyl vinyl ether	63	5.988	5.988	(1.188)	823291	100.000	101.17
	48 cis-1,3-Dichloropropene	75	6.130	6.130	(1.216)	1025938	50.0000	44.044
	49 4-Methyl-2-pentanone	43	6.248	6.248	(1.239)	1228267	100.000	98.065
	50 Toluene	91	6.437	6.437	(0.838)	2638220	50.0000	50.926
	51 trans-1,3-Dichloropropene	75	6.603	6.603	(0.860)	926870	50.0000	49.902
	52 Ethyl Methacrylate	69	6.686	6.686	(0.871)	869935	50.0000	54.435
	53 1,1,2-Trichloroethane	97	6.769	6.769	(0.881)	570989	50.0000	54.338
	54 1,3-Dichloropropane	76	6.922	6.922	(0.901)	1049002	50.0000	52.982
	55 Tetrachloroethene	164	6.934	6.934	(0.903)	427119	50.0000	50.890
	56 2-Hexanone	43	6.982	6.982	(0.909)	873605	100.000	104.14
	57 Dibromochloromethane	129	7.135	7.135	(0.929)	581340	50.0000	51.868
	58 1,2-Dibromoethane	107	7.254	7.254	(0.945)	540961	50.0000	52.249
	59 Chlorobenzene	112	7.703	7.703	(1.003)	1640495	50.0000	48.907
	60 1,1,1,2-Tetrachloroethane	131	7.774	7.774	(1.012)	560766	50.0000	48.121
	61 Ethylbenzene	106	7.798	7.798	(1.015)	830464	50.0000	49.026
	62 m + p-Xylene	106	7.905	7.905	(1.029)	2099862	100.000	96.248
M	63 Xylenes (total)	106				3107501	150.000	143.29
	64 Xylene-o	106	8.283	8.283	(1.079)	1007639	50.0000	47.046
	65 Styrene	104	8.295	8.295	(1.080)	1819563	50.0000	47.506

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23989.D
Report Date: 21-Sep-2004 08:58

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.473	8.473	(1.103)	366423	50.0000	48.097
67 Isopropylbenzene	105	8.626	8.626	(1.123)	2177440	50.0000	45.646
68 1,1,2,2-Tetrachloroethane	83	8.899	8.899	(0.898)	683287	50.0000	54.677
69 1,4-Dichloro-2-butene	53	8.958	8.958	(0.904)	223207	50.0000	54.285
70 1,2,3-Trichloropropane	110	8.946	8.946	(0.903)	231749	50.0000	56.512
71 Bromobenzene	156	8.934	8.934	(0.902)	646927	50.0000	52.303
72 n-Propylbenzene	120	9.029	9.029	(0.912)	587161	50.0000	50.916
73 2-Chlorotoluene	126	9.112	9.112	(0.920)	564704	50.0000	49.447
74 1,3,5-Trimethylbenzene	105	9.194	9.194	(0.928)	1914379	50.0000	49.888
75 4-Chlorotoluene	126	9.218	9.218	(0.931)	617141	50.0000	50.586
76 tert-Butylbenzene	119	9.514	9.514	(0.961)	1468217	50.0000	47.228
77 1,2,4-Trimethylbenzene	105	9.561	9.561	(0.965)	2046383	50.0000	49.955
78 sec-Butylbenzene	105	9.727	9.727	(0.982)	2026002	50.0000	48.147
79 4-Isopropyltoluene	119	9.869	9.869	(0.996)	1668060	50.0000	47.646
80 1,3-Dichlorobenzene	146	9.845	9.845	(0.994)	1091730	50.0000	47.810
81 1,4-Dichlorobenzene	146	9.928	9.928	(1.002)	1142897	50.0000	47.839
82 n-Butylbenzene	91	10.271	10.271	(1.037)	1416903	50.0000	45.304
83 1,2-Dichlorobenzene	146	10.295	10.295	(1.039)	1069746	50.0000	47.563
84 1,2-Dibromo-3-chloropropane	157	11.052	11.052	(1.116)	101281	50.0000	47.860
85 1,2,4-Trichlorobenzene	180	11.892	11.892	(1.201)	417745	50.0000	43.628
86 Hexachlorobutadiene	225	12.070	12.070	(1.219)	198529	50.0000	47.011
87 Naphthalene	128	12.129	12.129	(1.225)	958835	50.0000	42.428
88 1,2,3-Trichlorobenzene	180	12.377	12.377	(1.250)	291074	50.0000	42.391
98 Cyclohexane	56	4.580	4.580	(0.908)	885455	50.0000	47.234
143 Methyl Acetate	43	3.006	3.006	(0.596)	1035905	100.000	98.826
144 Methylcyclohexane	83	5.526	5.526	(1.096)	739343	50.0000	46.999
141 1,3,5-Trichlorobenzene	180	11.277	11.277	(1.139)	563002	50.0000	44.543

QC Flag Legend

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

SEVERN TRENT STL

RAW QC DATA

Data File: \\qcanon04\dd\chem\MSV\a3ux11.i\J40816A-IC.b\BFB207.D

Date : 16-AUG-2004 13:09

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

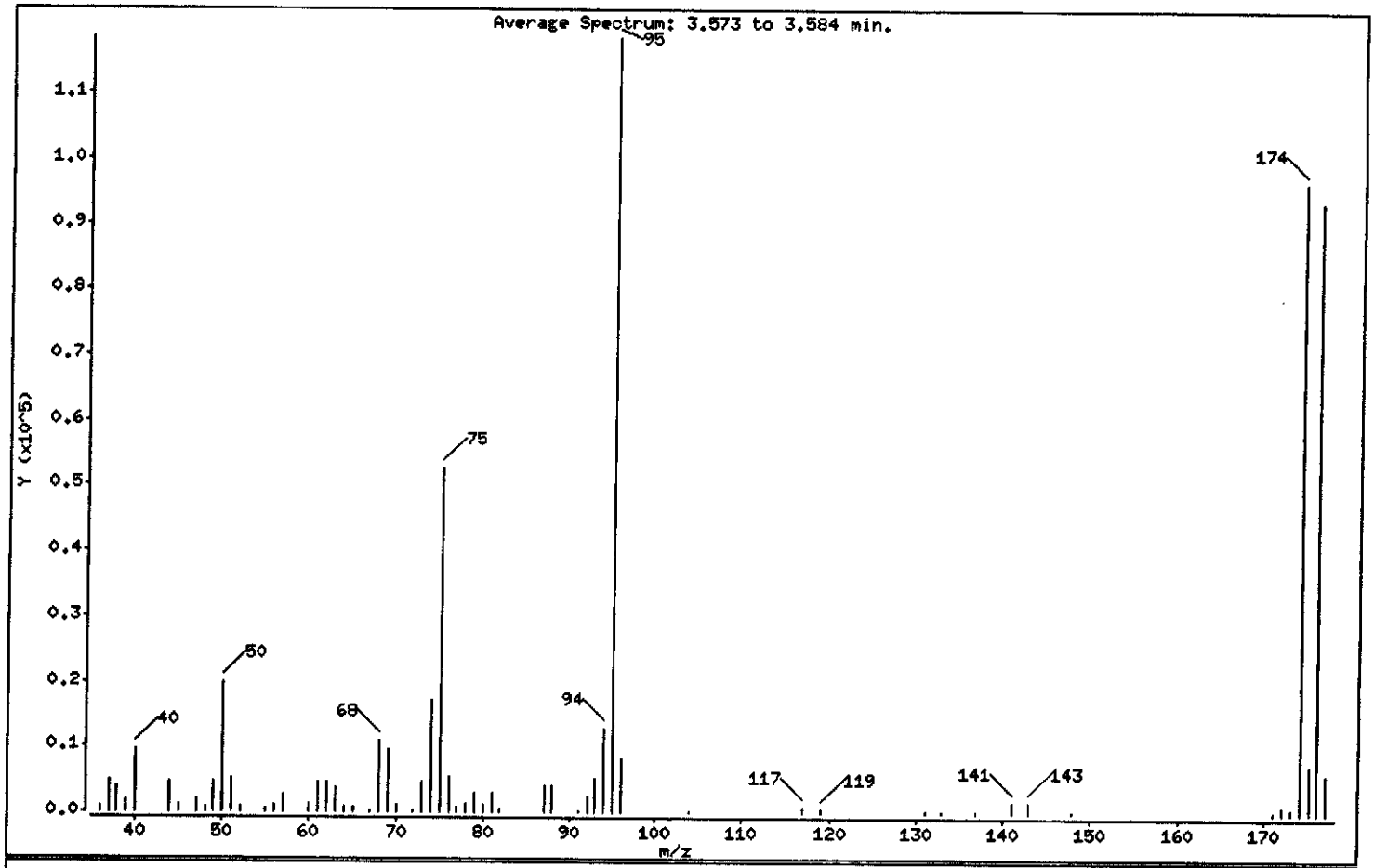
Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.76
75	30.00 - 60.00% of mass 95	44.47
96	5.00 - 9.00% of mass 95	6.93
173	Less than 2.00% of mass 174	0.68 (0.84)
174	50.00 - 100.00% of mass 95	81.27
175	5.00 - 9.00% of mass 174	6.13 (7.55)
176	95.00 - 101.00% of mass 174	78.91 (97.09)
177	5.00 - 9.00% of mass 176	5.04 (6.39)

Date : 16-AUG-2004 13:09

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB207.D

Spectrum: Average Spectrum: 3.573 to 3.584 min.

Location of Maximum: 95.00

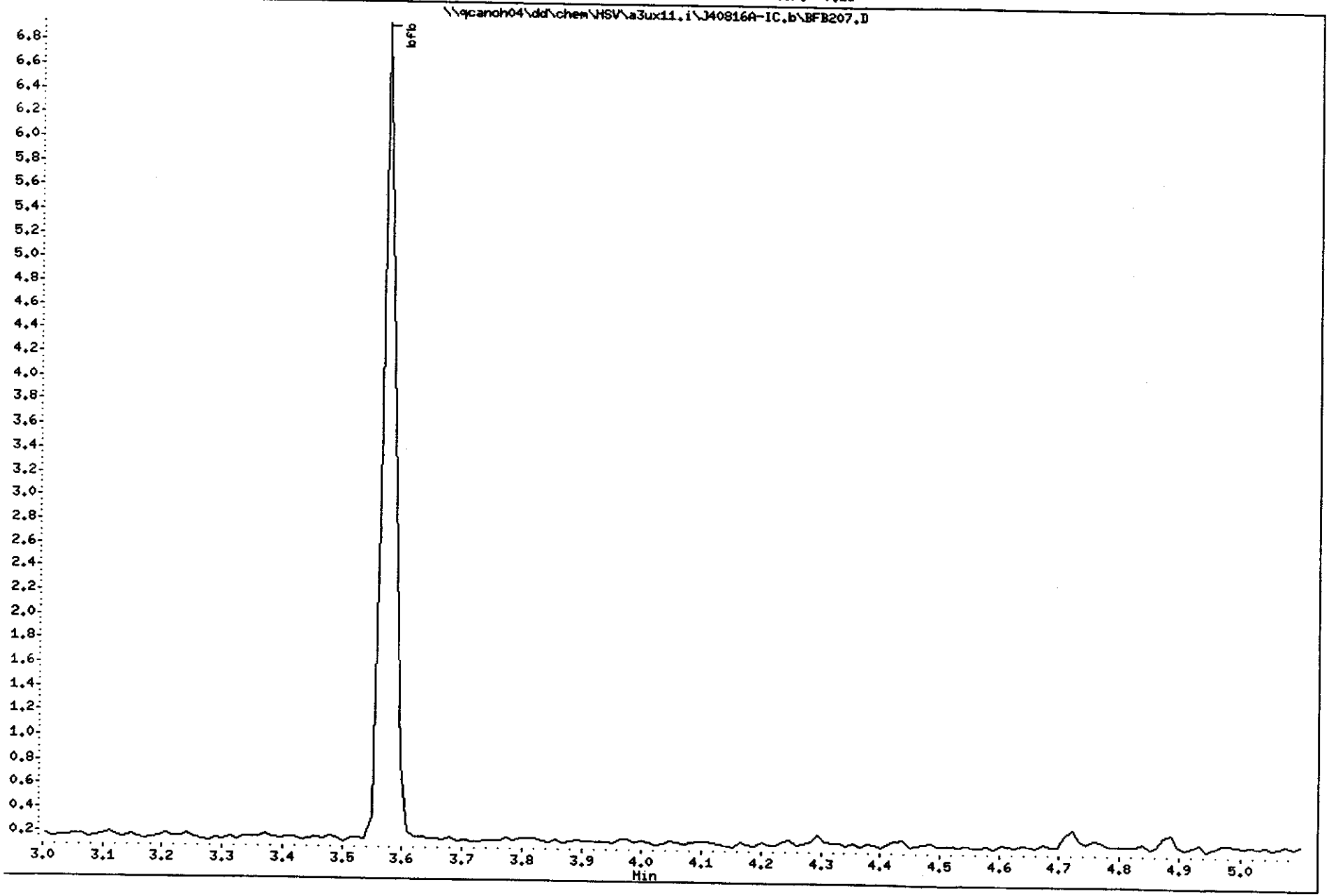
Number of points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	749	60.00	1376	78.00	1307	131.00	285
37.00	4867	61.00	4538	79.00	3095	133.00	271
38.00	3795	62.00	4718	80.00	1085	137.00	323
39.00	1854	63.00	3709	81.00	3055	141.00	1521
40.00	9546	64.00	700	82.00	515	143.00	1655
44.00	4571	65.00	821	87.00	4063	148.00	297
45.00	1190	67.00	254	88.00	4069	171.00	316
47.00	2040	68.00	10867	91.00	257	172.00	1062
48.00	737	69.00	9493	92.00	2338	173.00	806
49.00	4592	70.00	1139	93.00	5215	174.00	96288
50.00	19856	72.00	389	94.00	12726	175.00	7267
51.00	5302	73.00	4639	95.00	118480	176.00	93488
52.00	840	74.00	17288	96.00	8207	177.00	5974
55.00	613	75.00	52680	104.00	355		
56.00	1116	76.00	5372	117.00	715		
57.00	2804	77.00	828	119.00	414		

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40816A-IC.b\BFB207.D
Date : 16-AUG-2004 13:09
Client ID: 50NG BFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20M

Instrument: a3ux11.i

Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\BFB232.D

Date : 14-SEP-2004 13:21

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info: BFB232

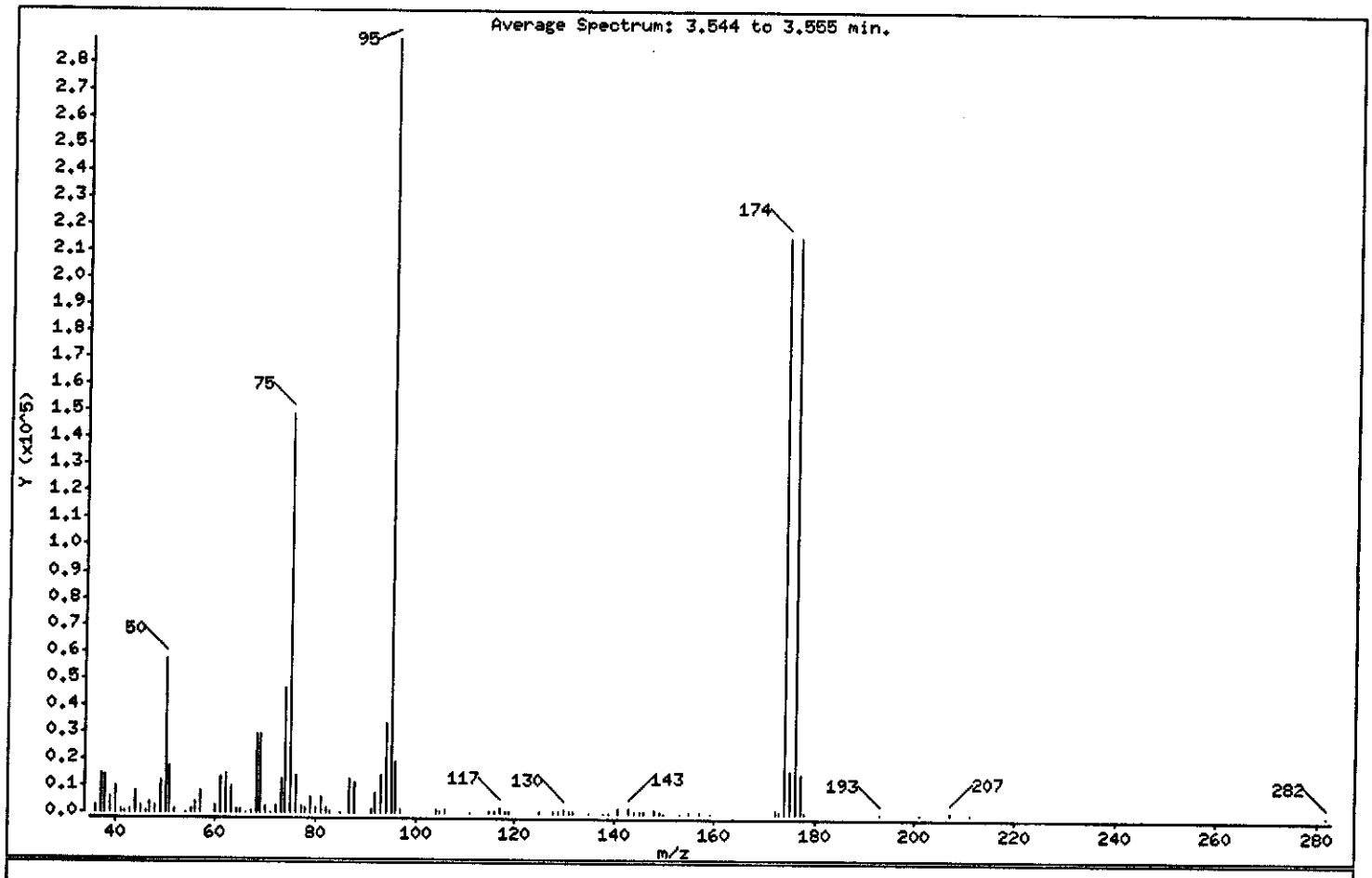
Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.83
75	30.00 - 60.00% of mass 95	51.55
96	5.00 - 9.00% of mass 95	6.64
173	Less than 2.00% of mass 174	0.21 (0.28)
174	50.00 - 100.00% of mass 95	74.58
175	5.00 - 9.00% of mass 174	5.61 (7.52)
176	95.00 - 101.00% of mass 174	74.49 (99.87)
177	5.00 - 9.00% of mass 176	5.17 (6.94)

Data File: \\qoanoh04\dd\chem\MSV\a3ux11.i\J40914B-IC.b\BFB232.D

Date : 14-SEP-2004 13:21

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info: BFB232

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB232.D
Spectrum: Average Spectrum: 3.544 to 3.555 min.
Location of Maximum: 95.00
Number of points: 97

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2406	64.00	1324	93.00	13655	144.00	401
37.00	14778	65.00	1522	94.00	33528	145.00	409
38.00	13742	66.00	263	95.00	288960	146.00	877
39.00	5795	67.00	910	96.00	19192	148.00	1075
40.00	10147	68.00	29456	97.00	1451	149.00	479
41.00	1576	69.00	29344	104.00	1533	150.00	313
42.00	737	70.00	2634	105.00	833	153.00	287
43.00	1309	71.00	324	106.00	1128	155.00	668
44.00	8117	72.00	2356	111.00	260	157.00	711
45.00	2441	73.00	12818	115.00	375	159.00	271
46.00	749	74.00	46784	116.00	766	172.00	1628
47.00	3975	75.00	148928	117.00	1678	173.00	603
48.00	2388	76.00	13979	118.00	426	174.00	215488
49.00	12238	77.00	2377	119.00	915	175.00	16212
50.00	57288	78.00	2058	125.00	649	176.00	215232
51.00	17136	79.00	5934	128.00	783	177.00	14940
52.00	1094	80.00	2304	129.00	689	178.00	355
54.00	314	81.00	6191	130.00	1263	193.00	286
55.00	1279	82.00	1726	131.00	957	201.00	259
56.00	4132	83.00	677	132.00	360	207.00	652
57.00	7889	85.00	327	135.00	330	211.00	272
60.00	2651	87.00	12709	138.00	255	282.00	251
61.00	13040	88.00	11543	139.00	322		
62.00	14627	91.00	1380	141.00	2064		
63.00	10230	92.00	7594	143.00	2214		

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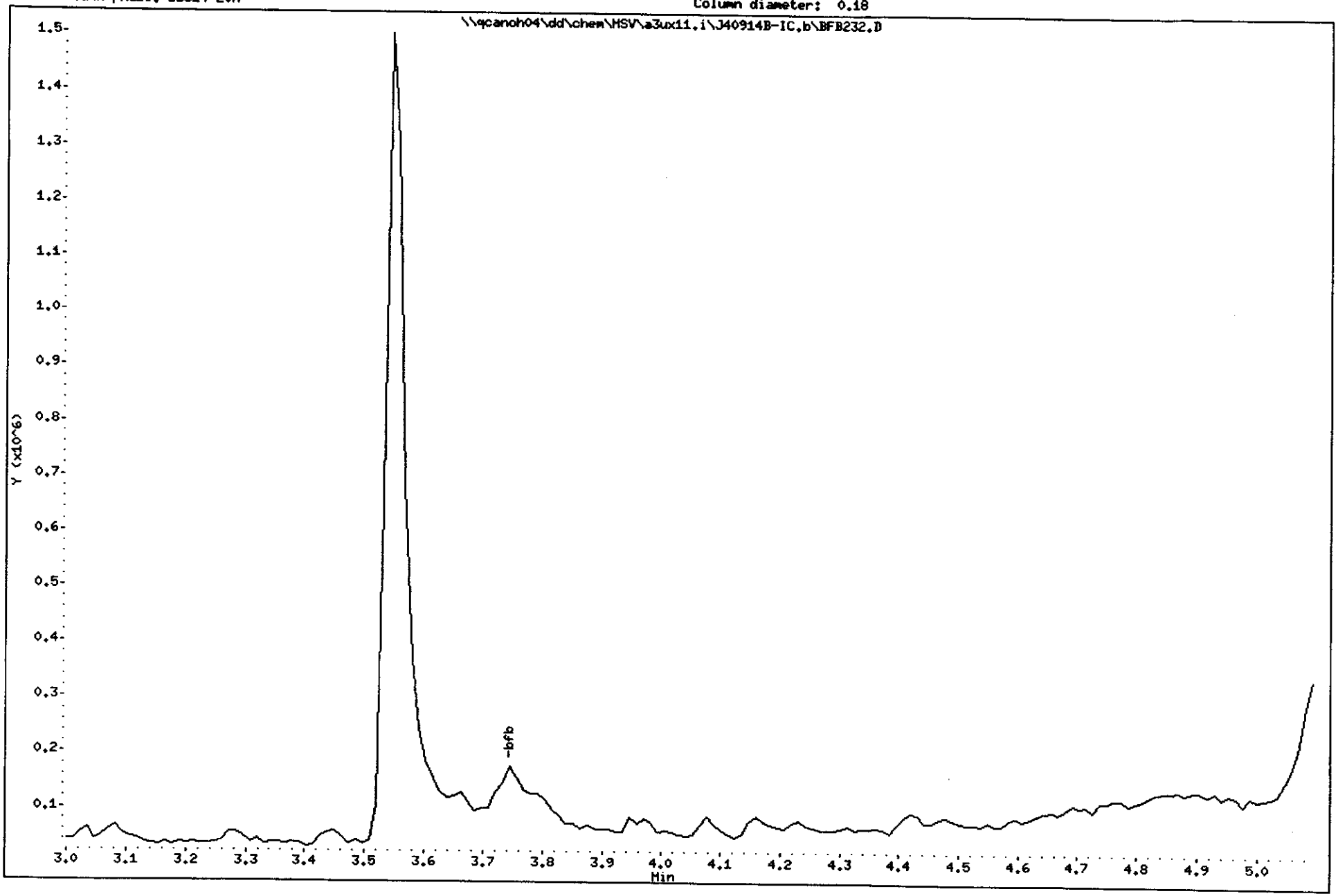
Date : 14-SEP-2004 13:21
Client ID: 50NG BFB
Sample Info: BFB232
Volume Injected (uL): 1.0
Column phase: DB624 20M

Instrument: a3ux11.i

Operator: 43582
Column diameter: 0.18



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Date : 20-SEP-2004 11:18

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

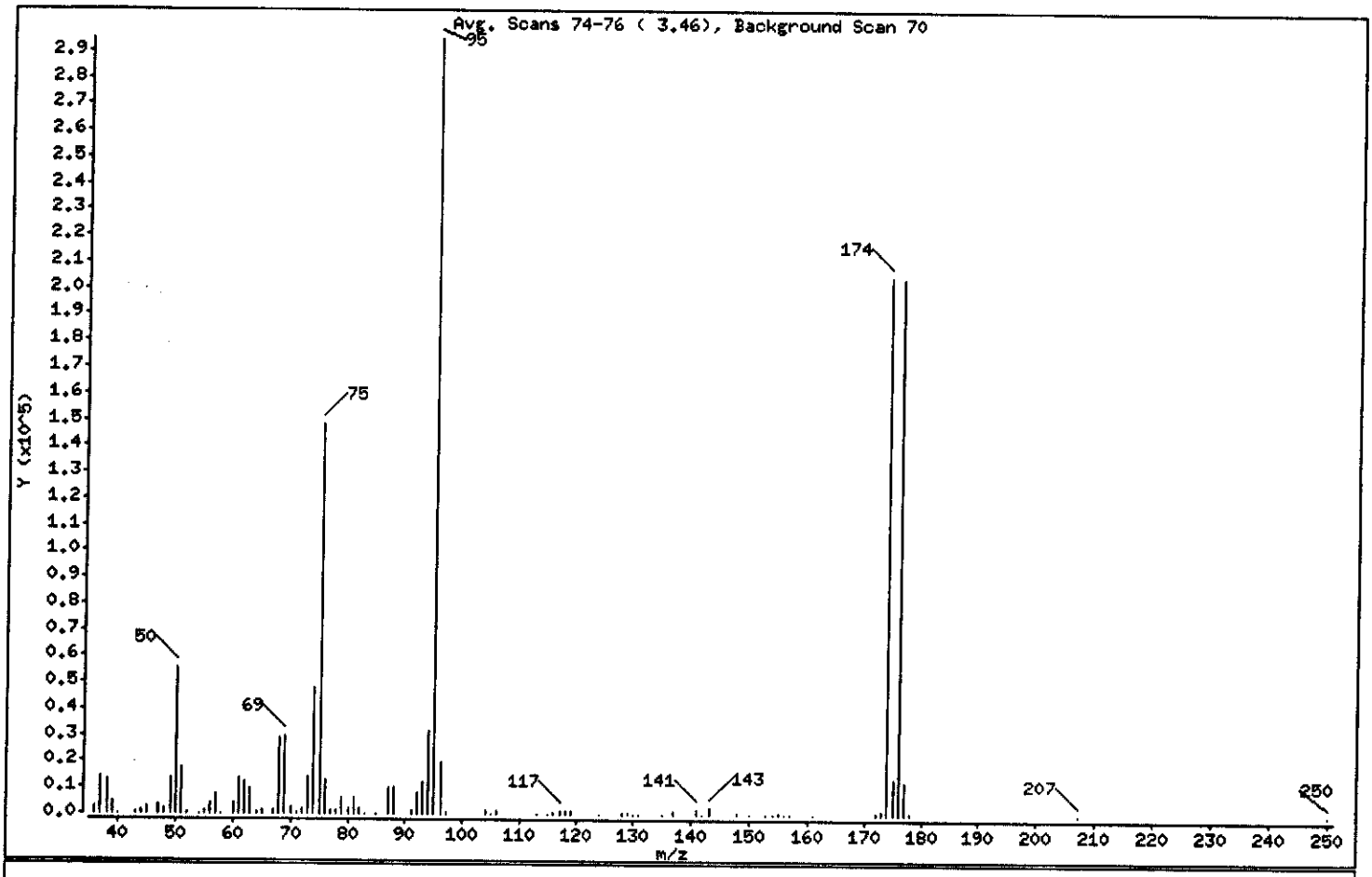
Volume Injected (uL): 1.0

Operator: LE

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.86
75	30.00 - 60.00% of mass 95	50.35
96	5.00 - 9.00% of mass 95	6.65
173	Less than 2.00% of mass 174	0.35 (0.50)
174	50.00 - 100.00% of mass 95	69.38
175	5.00 - 9.00% of mass 174	4.61 (6.65)
176	95.00 - 101.00% of mass 174	69.16 (99.68)
177	5.00 - 9.00% of mass 176	4.21 (6.08)

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Date : 20-SEP-2004 11:18

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0

Operator: LE

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB236.D

Spectrum: Avg. Scans 74-76 (3.46), Background Scan 70

Location of Maximum: 95.00

Number of points: 88

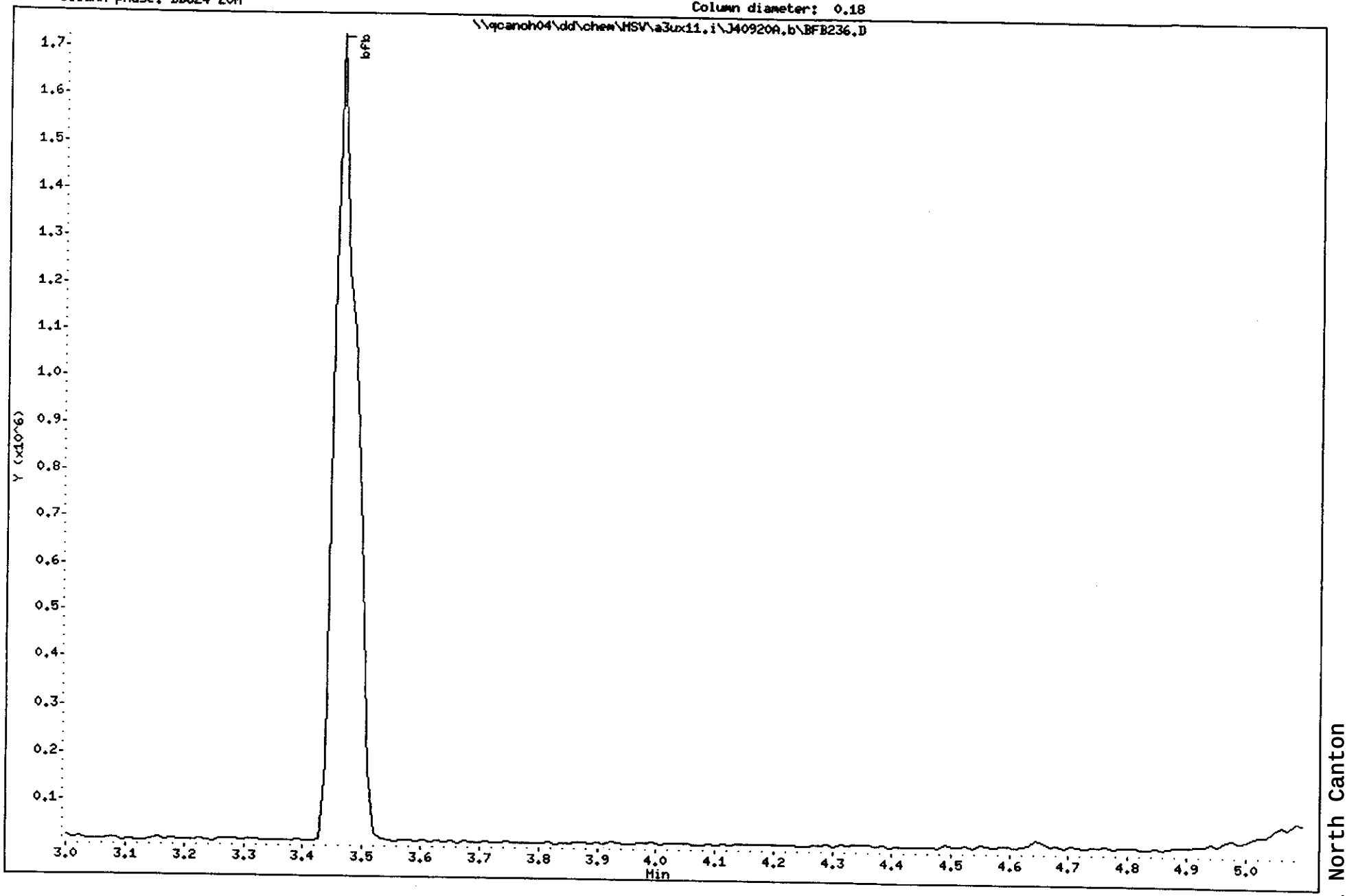
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2909	64.00	684	92.00	8159	142.00	176
37.00	14259	65.00	1146	93.00	12009	143.00	2647
38.00	12587	67.00	1195	94.00	32080	148.00	647
39.00	4784	68.00	28784	95.00	294592	150.00	222
40.00	242	69.00	29672	96.00	19600	153.00	212
43.00	467	70.00	2373	97.00	868	154.00	189
44.00	1614	71.00	342	104.00	1507	155.00	558
45.00	2484	72.00	1799	105.00	194	156.00	195
47.00	3288	73.00	13982	106.00	1182	157.00	168
48.00	1735	74.00	48384	113.00	175	161.00	186
49.00	13340	75.00	148288	115.00	169	172.00	896
50.00	55552	76.00	12568	116.00	896	173.00	1025
51.00	17432	77.00	1409	117.00	1619	174.00	204416
52.00	804	78.00	1479	118.00	1091	175.00	13585
54.00	267	79.00	6054	119.00	1023	176.00	203712
55.00	1048	80.00	2074	124.00	171	177.00	12396
56.00	3995	81.00	6377	128.00	937	178.00	414
57.00	7164	82.00	1843	129.00	613	207.00	201
58.00	197	83.00	179	130.00	234	250.00	175
60.00	3862	85.00	205	131.00	283		
61.00	13588	87.00	10060	135.00	200		
62.00	12276	88.00	10217	137.00	1065		
63.00	9495	91.00	1277	141.00	2224		

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J40920A.b\BFB236.D
Date : 20-SEP-2004 11:18
Client ID: 50NG BFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20M

Page 2

Instrument: a3ux11.i

Operator: LE
Column diameter: 0.18



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4I160150 **Work Order #...:** GQMAE1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I200000-385 GQMAE1AD-LCSD
Prep Date.....: 09/20/04 **Analysis Date..:** 09/20/04
Prep Batch #...: 4264385
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	81	(22 - 200)			SW846 8260B
	64	(22 - 200)	23	(0-95)	SW846 8260B
Benzene	**94**	**(80 - 116)**			**SW846 8260B**
	92	**(80 - 116)**	**1.6**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	94	(87 - 130)			SW846 8260B
	94	(87 - 130)	0.060	(0-30)	SW846 8260B
Bromoform	100	(76 - 150)			SW846 8260B
	94	(76 - 150)	5.3	(0-30)	SW846 8260B
Bromomethane	42 a	(64 - 129)			SW846 8260B
	49 a	(64 - 129)	16	(0-30)	SW846 8260B
2-Butanone	91	(28 - 237)			SW846 8260B
	82	(28 - 237)	11	(0-65)	SW846 8260B
Carbon disulfide	79	(73 - 139)			SW846 8260B
	80	(73 - 139)	1.6	(0-30)	SW846 8260B
Carbon tetrachloride	94	(75 - 149)			SW846 8260B
	94	(75 - 149)	0.060	(0-30)	SW846 8260B
Chlorobenzene	**102**	**(76 - 117)**			**SW846 8260B**
	100	**(76 - 117)**	**2.8**	**(0-20)**	**SW846 8260B**
Dichlorodifluoromethane	59 a	(70 - 130)			SW846 8260B
	60 a	(70 - 130)	1.2	(0-30)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	109	(70 - 130)			SW846 8260B
	102	(70 - 130)	6.4	(0-30)	SW846 8260B
Methyl acetate	95	(70 - 130)			SW846 8260B
	91	(70 - 130)	4.2	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	89	(70 - 130)			SW846 8260B
	89	(70 - 130)	0.61	(0-30)	SW846 8260B
Cyclohexane	95	(70 - 130)			SW846 8260B
	91	(70 - 130)	4.0	(0-30)	SW846 8260B
Methylcyclohexane	97	(70 - 130)			SW846 8260B
	92	(70 - 130)	5.5	(0-30)	SW846 8260B
Dibromochloromethane	102	(81 - 138)			SW846 8260B
	104	(81 - 138)	2.0	(0-30)	SW846 8260B
Isopropylbenzene	106	(70 - 130)			SW846 8260B
	100	(70 - 130)	5.0	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4I160150 **Work Order #...:** GQMAE1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I200000-385 GQMAE1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,3-Dichlorobenzene	102	(70 - 130)			SW846 8260B
	96	(70 - 130)	6.0	(0-30)	SW846 8260B
Chloroethane	60 a	(66 - 126)			SW846 8260B
	60 a	(66 - 126)	0.23	(0-30)	SW846 8260B
1,4-Dichlorobenzene	104	(70 - 130)			SW846 8260B
	100	(70 - 130)	3.9	(0-30)	SW846 8260B
1,2-Dichlorobenzene	101	(70 - 130)			SW846 8260B
	96	(70 - 130)	5.0	(0-30)	SW846 8260B
1,2,4-Trichloro-benzene	82	(70 - 130)			SW846 8260B
	84	(70 - 130)	2.3	(0-30)	SW846 8260B
Chloroform	96	(84 - 128)			SW846 8260B
	94	(84 - 128)	2.0	(0-30)	SW846 8260B
Chloromethane	60	(48 - 123)			SW846 8260B
	58	(48 - 123)	2.2	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro-propane	104	(70 - 130)			SW846 8260B
	100	(70 - 130)	4.7	(0-30)	SW846 8260B
1,2-Dibromoethane	106	(70 - 130)			SW846 8260B
	105	(70 - 130)	1.0	(0-30)	SW846 8260B
1,1-Dichloroethane	94	(86 - 123)			SW846 8260B
	92	(86 - 123)	1.8	(0-30)	SW846 8260B
1,2-Dichloroethane	95	(79 - 136)			SW846 8260B
	95	(79 - 136)	0.62	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	91	(85 - 113)			SW846 8260B
	91	(85 - 113)	0.32	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	92	(79 - 120)			SW846 8260B
	91	(79 - 120)	1.1	(0-30)	SW846 8260B
1,1-Dichloroethene	**91**	**(63 - 130)**			**SW846 8260B**
	88	**(63 - 130)**	**2.7**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	92	(82 - 116)			SW846 8260B
	91	(82 - 116)	0.70	(0-30)	SW846 8260B
1,2-Dichloropropane	93	(82 - 115)			SW846 8260B
	93	(82 - 115)	0.18	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	90	(84 - 130)			SW846 8260B
	90	(84 - 130)	0.66	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	98	(84 - 130)			SW846 8260B
	95	(84 - 130)	2.9	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4I160150 **Work Order #...:** GQMAE1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I200000-385 GQMAE1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethylbenzene	104	(86 - 116)			SW846 8260B
	101	(86 - 116)	2.4	(0-30)	SW846 8260B
2-Hexanone	85	(35 - 200)			SW846 8260B
	83	(35 - 200)	2.8	(0-52)	SW846 8260B
Methylene chloride	97	(78 - 118)			SW846 8260B
	96	(78 - 118)	1.6	(0-30)	SW846 8260B
4-Methyl-2-pentanone	93	(78 - 141)			SW846 8260B
	90	(78 - 141)	4.0	(0-32)	SW846 8260B
Styrene	97	(85 - 117)			SW846 8260B
	95	(85 - 117)	1.5	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	116	(85 - 118)			SW846 8260B
	112	(85 - 118)	2.8	(0-30)	SW846 8260B
Tetrachloroethene	109	(88 - 113)			SW846 8260B
	100	(88 - 113)	9.4	(0-30)	SW846 8260B
Toluene	**109**	**(74 - 119)**			**SW846 8260B**
	103	**(74 - 119)**	**5.3**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	89	(78 - 140)			SW846 8260B
	89	(78 - 140)	0.61	(0-30)	SW846 8260B
1,1,2-Trichloroethane	106	(83 - 122)			SW846 8260B
	105	(83 - 122)	0.90	(0-30)	SW846 8260B
Trichloroethene	**97**	**(75 - 122)**			**SW846 8260B**
	96	**(75 - 122)**	**1.2**	**(0-20)**	**SW846 8260B**
Trichlorofluoromethane	83	(70 - 130)			SW846 8260B
	76	(70 - 130)	7.9	(0-30)	SW846 8260B
Vinyl chloride	58 a	(61 - 120)			SW846 8260B
	63	(61 - 120)	8.6	(0-30)	SW846 8260B
Xylenes (total)	103	(87 - 116)			SW846 8260B
	98	(87 - 116)	4.7	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	102	(61 - 128)
Toluene-d8	110	(76 - 110)
	108	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)
	95	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4I160150 **Work Order #...:** GQMAE1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I200000-385 GQMAE1AD-LCSD
Prep Date.....: 09/20/04 **Analysis Date..:** 09/20/04
Prep Batch #...: 4264385
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	8.1	ug/L	81		SW846 8260B
	10	6.4	ug/L	64	23	SW846 8260B
Benzene	**10**	**9.4**	**ug/L**	**94**		**SW846 8260B**
	10	**9.2**	**ug/L**	**92**	**1.6**	**SW846 8260B**
Bromodichloromethane	10	9.4	ug/L	94		SW846 8260B
	10	9.4	ug/L	94	0.060	SW846 8260B
Bromoform	10	10	ug/L	100		SW846 8260B
	10	9.4	ug/L	94	5.3	SW846 8260B
Bromomethane	10	4.2 a	ug/L	42		SW846 8260B
	10	4.9 a	ug/L	49	16	SW846 8260B
2-Butanone	10	9.1	ug/L	91		SW846 8260B
	10	8.2	ug/L	82	11	SW846 8260B
Carbon disulfide	10	7.9	ug/L	79		SW846 8260B
	10	8.0	ug/L	80	1.6	SW846 8260B
Carbon tetrachloride	10	9.4	ug/L	94		SW846 8260B
	10	9.4	ug/L	94	0.060	SW846 8260B
Chlorobenzene	**10**	**10**	**ug/L**	**102**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**2.8**	**SW846 8260B**
Dichlorodifluoromethane	10	5.9 a	ug/L	59		SW846 8260B
	10	6.0 a	ug/L	60	1.2	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	10	11	ug/L	109		SW846 8260B
	10	10	ug/L	102	6.4	SW846 8260B
Methyl acetate	10	9.5	ug/L	95		SW846 8260B
	10	9.1	ug/L	91	4.2	SW846 8260B
Methyl tert-butyl ether (MTBE)	10	8.9	ug/L	89		SW846 8260B
	10	8.9	ug/L	89	0.61	SW846 8260B
Cyclohexane	10	9.5	ug/L	95		SW846 8260B
	10	9.1	ug/L	91	4.0	SW846 8260B
Methylcyclohexane	10	9.7	ug/L	97		SW846 8260B
	10	9.2	ug/L	92	5.5	SW846 8260B
Dibromochloromethane	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	104	2.0	SW846 8260B
Isopropylbenzene	10	11	ug/L	106		SW846 8260B
	10	10	ug/L	100	5.0	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4I160150 **Work Order #...:** GQMAE1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I200000-385 GQMAE1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,3-Dichlorobenzene	10	10	ug/L	102		SW846 8260B
	10	9.6	ug/L	96	6.0	SW846 8260B
Chloroethane	10	6.0 a	ug/L	60		SW846 8260B
	10	6.0 a	ug/L	60	0.23	SW846 8260B
1,4-Dichlorobenzene	10	10	ug/L	104		SW846 8260B
	10	10	ug/L	100	3.9	SW846 8260B
1,2-Dichlorobenzene	10	10	ug/L	101		SW846 8260B
	10	9.6	ug/L	96	5.0	SW846 8260B
1,2,4-Trichloro-benzene	10	8.2	ug/L	82		SW846 8260B
	10	8.4	ug/L	84	2.3	SW846 8260B
Chloroform	10	9.6	ug/L	96		SW846 8260B
	10	9.4	ug/L	94	2.0	SW846 8260B
Chloromethane	10	6.0	ug/L	60		SW846 8260B
	10	5.8	ug/L	58	2.2	SW846 8260B
1,2-Dibromo-3-chloro-propane	10	10	ug/L	104		SW846 8260B
	10	10	ug/L	100	4.7	SW846 8260B
1,2-Dibromoethane	10	11	ug/L	106		SW846 8260B
	10	11	ug/L	105	1.0	SW846 8260B
1,1-Dichloroethane	10	9.4	ug/L	94		SW846 8260B
	10	9.2	ug/L	92	1.8	SW846 8260B
1,2-Dichloroethane	10	9.5	ug/L	95		SW846 8260B
	10	9.5	ug/L	95	0.62	SW846 8260B
cis-1,2-Dichloroethene	10	9.1	ug/L	91		SW846 8260B
	10	9.1	ug/L	91	0.32	SW846 8260B
trans-1,2-Dichloroethene	10	9.2	ug/L	92		SW846 8260B
	10	9.1	ug/L	91	1.1	SW846 8260B
1,1-Dichloroethene	**10**	**9.1**	**ug/L**	**91**		**SW846 8260B**
	10	**8.8**	**ug/L**	**88**	**2.7**	**SW846 8260B**
1,2-Dichloroethene (total)	20	18	ug/L	92		SW846 8260B
	20	18	ug/L	91	0.70	SW846 8260B
1,2-Dichloropropane	10	9.3	ug/L	93		SW846 8260B
	10	9.3	ug/L	93	0.18	SW846 8260B
cis-1,3-Dichloropropene	10	9.0	ug/L	90		SW846 8260B
	10	9.0	ug/L	90	0.66	SW846 8260B
trans-1,3-Dichloropropene	10	9.8	ug/L	98		SW846 8260B
	10	9.5	ug/L	95	2.9	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4I160150 **Work Order #...:** GQMAE1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I200000-385 GQMAE1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethylbenzene	10	10	ug/L	104		SW846 8260B
	10	10	ug/L	101	2.4	SW846 8260B
2-Hexanone	10	8.5	ug/L	85		SW846 8260B
	10	8.3	ug/L	83	2.8	SW846 8260B
Methylene chloride	10	9.7	ug/L	97		SW846 8260B
	10	9.6	ug/L	96	1.6	SW846 8260B
4-Methyl-2-pentanone	10	9.3	ug/L	93		SW846 8260B
	10	9.0	ug/L	90	4.0	SW846 8260B
Styrene	10	9.7	ug/L	97		SW846 8260B
	10	9.5	ug/L	95	1.5	SW846 8260B
1,1,2,2-Tetrachloroethane	10	12	ug/L	116		SW846 8260B
	10	11	ug/L	112	2.8	SW846 8260B
Tetrachloroethene	10	11	ug/L	109		SW846 8260B
	10	10	ug/L	100	9.4	SW846 8260B
Toluene	**10**	**11**	**ug/L**	**109**		**SW846 8260B**
	10	**10**	**ug/L**	**103**	**5.3**	**SW846 8260B**
1,1,1-Trichloroethane	10	8.9	ug/L	89		SW846 8260B
	10	8.9	ug/L	89	0.61	SW846 8260B
1,1,2-Trichloroethane	10	11	ug/L	106		SW846 8260B
	10	11	ug/L	105	0.90	SW846 8260B
Trichloroethene	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	10	**9.6**	**ug/L**	**96**	**1.2**	**SW846 8260B**
Trichlorofluoromethane	10	8.3	ug/L	83		SW846 8260B
	10	7.6	ug/L	76	7.9	SW846 8260B
Vinyl chloride	10	5.8 a	ug/L	58		SW846 8260B
	10	6.3	ug/L	63	8.6	SW846 8260B
Xylenes (total)	30	31	ug/L	103		SW846 8260B
	30	29	ug/L	98	4.7	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	102	(61 - 128)
Toluene-d8	110	(76 - 110)
	108	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)
	95	(74 - 116)

NOTE(S):

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

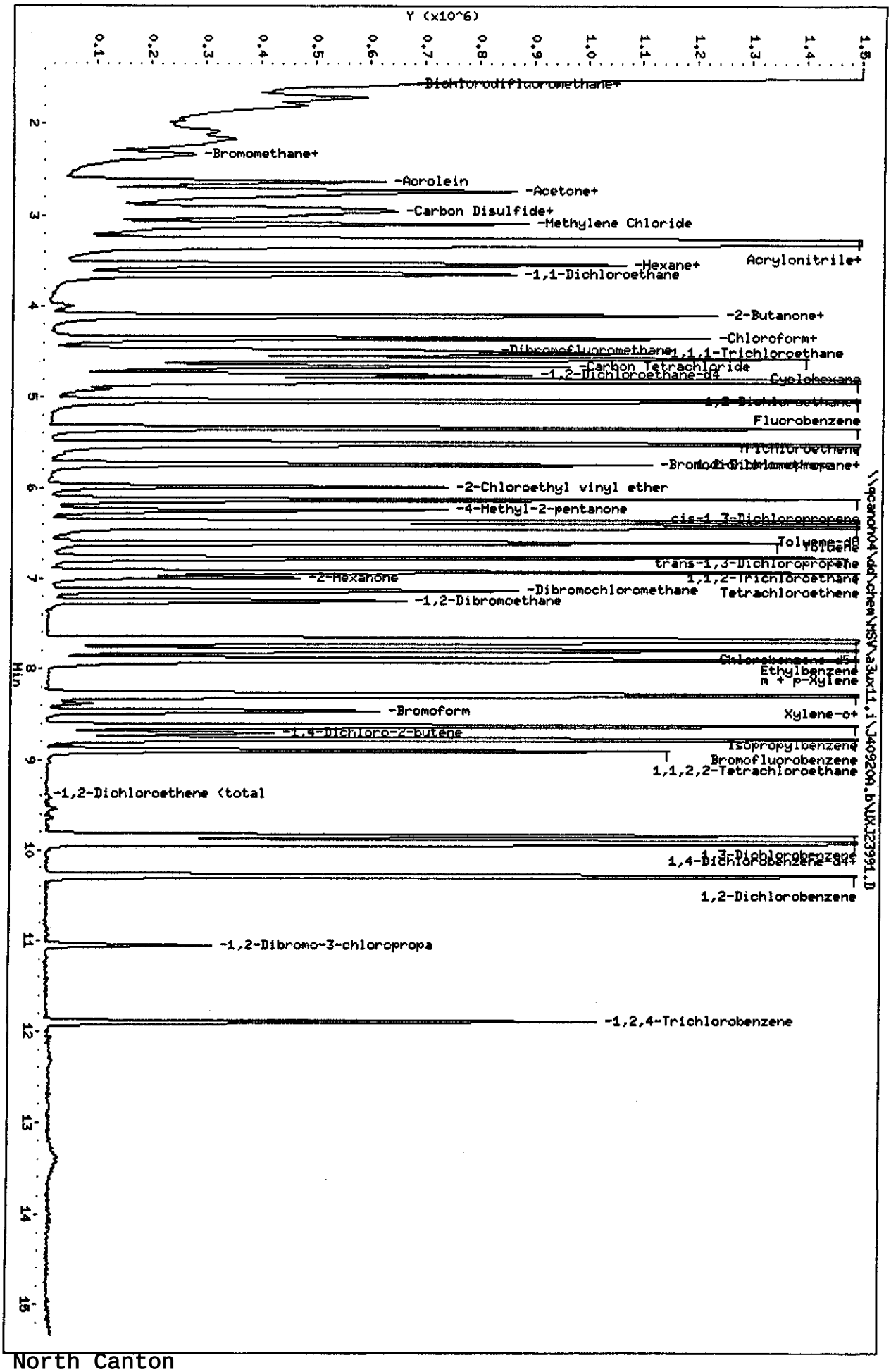
Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J409204.b\UXJ23991.D
Date : 20-SEP-2004 12:53
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624

GQMAEIAC

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23991.D
Report Date: 21-Sep-2004 08:59

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23991.D
Lab Smp Id: GQMAE1AC
Inj Date : 20-SEP-2004 12:53
Operator : 43582 Inst ID: a3ux11.i
Smp Info : CHECK
Misc Info : J40920A,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40920A.b\8260LLUX11.m
Meth Date : 21-Sep-2004 08:58 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.041	5.041	(1.000)	2437622	50.0000	
* 2 Chlorobenzene-d5	117	7.680	7.680	(1.000)	1703828	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904	(1.000)	751456	50.0000	
$ 4 Dibromofluoromethane	113	4.485	4.485	(0.890)	558553	49.2148	9.843
$ 5 1,2-Dichloroethane-d4	65	4.757	4.757	(0.944)	792599	50.7876	10.158
$ 6 Toluene-d8	98	6.378	6.378	(0.831)	2257601	55.1540	11.031(R)
$ 7 Bromofluorobenzene	95	8.780	8.780	(1.143)	823999	47.3782	9.476
8 Dichlorodifluoromethane	85	1.562	1.562	(0.310)	377273	29.6043	5.921
9 Chloromethane	50	1.704	1.692	(0.338)	677972	29.7961	5.959
10 Vinyl Chloride	62	1.799	1.787	(0.357)	451875	29.0326	5.806
11 Bromomethane	94	2.083	2.059	(0.413)	154977	20.9926	4.198
12 Chloroethane	64	2.177	2.154	(0.432)	342292	29.9241	5.985
13 Trichlorofluoromethane	101	2.331	2.331	(0.462)	673098	41.2600	8.252
15 Acrolein	56	2.639	2.627	(0.524)	965035	633.781	126.76
16 Acetone	43	2.745	2.745	(0.545)	238461	40.4610	8.092
17 1,1-Dichloroethene	96	2.733	2.722	(0.542)	495150	45.4216	9.084
18 Freon-113	151	2.769	2.769	(0.549)	372594	54.4689	10.894
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23991.D
Report Date: 21-Sep-2004 08:59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.923	2.923	(0.580)	1606057	39.4411	7.888
	21 Methylene Chloride	84	3.100	3.100	(0.615)	752044	48.6160	9.723
	22 Acetonitrile	41	2.958	2.958	(0.587)	793448	548.443	109.69
	23 Acrylonitrile	53	3.278	3.278	(0.650)	2343992	521.019	104.20
	24 Methyl tert-butyl ether	73	3.325	3.313	(0.660)	1550948	44.3779	8.876
	25 trans-1,2-Dichloroethene	96	3.325	3.325	(0.660)	595584	46.0551	9.211
	26 Hexane	86	3.550	3.538	(0.704)	132031	62.5759	12.515
	27 Vinyl acetate	43	3.550	3.668	(0.704)	409349	19.7816	3.956
	28 1,1-Dichloroethane	63	3.656	3.645	(0.725)	1107573	46.9494	9.390
	29 tert-Butyl Alcohol	59	3.006	3.160	(0.596)	40048	42.2391	8.448
	30 2-Butanone	43	4.094	4.094	(0.812)	304034	45.5370	9.107
M	31 1,2-Dichloroethene (total)	96				1213178	91.5083	18.302
	32 cis-1,2-dichloroethene	96	4.106	4.106	(0.815)	617594	45.4532	9.091
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.355	4.355	(0.864)	1136211	47.9116	9.582
	36 Tetrahydrofuran	42	4.343	4.343	(0.862)	48791	13.1669	2.633
	37 1,1,1-Trichloroethane	97	4.520	4.520	(0.897)	800989	44.7224	8.944
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.662	4.662	(0.925)	663659	47.1924	9.438
	40 1,2-Dichloroethane	62	4.828	4.816	(0.958)	916817	47.3161	9.463
	41 Benzene	78	4.828	4.816	(0.958)	2629210	46.8484	9.370
	42 Trichloroethene	130	5.348	5.349	(1.061)	619329	48.3533	9.671
	43 1,2-Dichloropropane	63	5.526	5.526	(1.096)	643045	46.4487	9.290
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.751	5.751	(1.141)	852648	46.8187	9.364
	47 2-Chloroethyl vinyl ether	63	5.999	5.988	(1.190)	379458	48.7466	9.749
	48 cis-1,3-Dichloropropene	75	6.129	6.130	(1.216)	1005172	45.1098	9.022
	49 4-Methyl-2-pentanone	43	6.248	6.248	(1.239)	558855	46.6424	9.328
	50 Toluene	91	6.437	6.437	(0.838)	2763001	54.2983	10.860
	51 trans-1,3-Dichloropropene	75	6.615	6.603	(0.861)	895669	49.0932	9.819
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.780	6.769	(0.883)	548430	53.1340	10.627
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.934	6.934	(0.903)	451053	54.7123	10.942
	56 2-Hexanone	43	6.993	6.982	(0.911)	350631	42.5551	8.511
	57 Dibromochloromethane	129	7.135	7.135	(0.929)	559631	50.8335	10.167
	58 1,2-Dibromoethane	107	7.254	7.254	(0.945)	540150	53.1137	10.623
	59 Chlorobenzene	112	7.703	7.703	(1.003)	1686656	51.1917	10.238
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.798	7.798	(1.015)	862514	51.8380	10.368
	62 m + p-Xylene	106	7.904	7.905	(1.029)	2237900	104.428	20.886
M	63 Xylenes (total)	106				3286913	154.290	30.858
	64 Xylene-o	106	8.283	8.283	(1.079)	1049013	49.8622	9.972
	65 Styrene	104	8.295	8.295	(1.080)	1822371	48.4391	9.688
	66 Bromoform	173	8.472	8.473	(1.103)	372916	49.8342	9.967

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23991.D
Report Date: 21-Sep-2004 08:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.626	8.626	(1.123)	2474524	52.8109	10.562
68 1,1,2,2-Tetrachloroethane	83	8.898	8.899	(0.898)	654468	57.7763	11.555
69 1,4-Dichloro-2-butene	53	8.709	8.958	(0.879)	8603	2.30826	0.4616
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	9.845	9.845	(0.994)	1054676	50.9543	10.191
81 1,4-Dichlorobenzene	146	9.928	9.928	(1.002)	1129461	52.1564	10.431
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.295	10.295	(1.039)	1031084	50.5764	10.115
84 1,2-Dibromo-3-chloropropane	157	11.052	11.052	(1.116)	100060	52.1633	10.433
85 1,2,4-Trichlorobenzene	180	11.892	11.892	(1.201)	356300	41.0517	8.210
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.579	4.580	(0.908)	849022	47.3439	9.469
143 Methyl Acetate	43	3.006	3.006	(0.596)	477213	47.5913	9.518
144 Methylcyclohexane	83	5.526	5.526	(1.096)	728454	48.4064	9.681
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

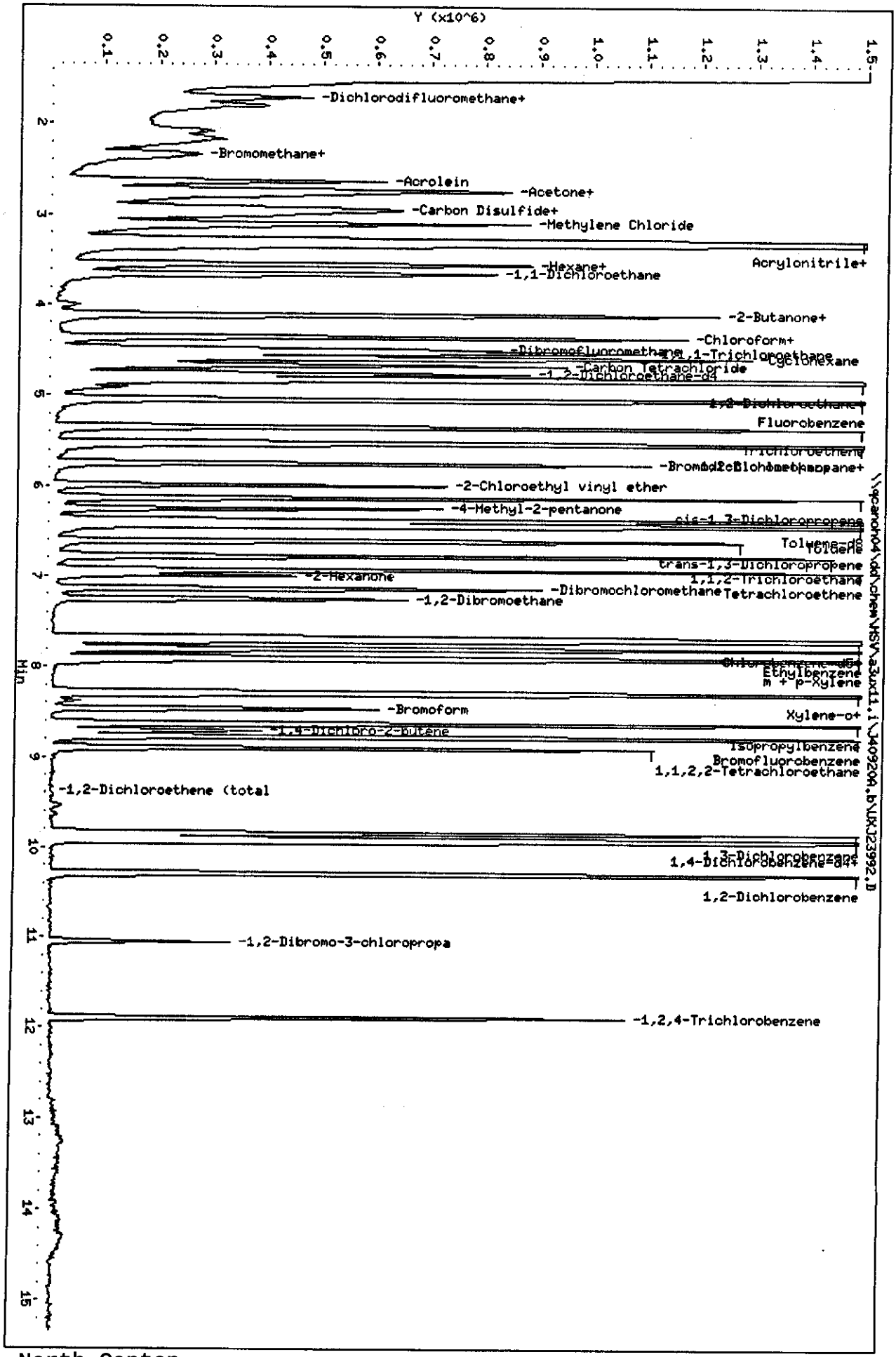
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\qcanon04\dd\chem\HSV\a3ux11.i\J409204.b\UXJ23992.D
Date : 20-SEP-2004 13:16
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624

GCMAEIAD

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23992.D
Report Date: 21-Sep-2004 09:00

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23992.D
Lab Smp Id: gqmae1ad
Inj Date : 20-SEP-2004 13:16
Operator : 43582 Inst ID: a3ux11.i
Smp Info : CHECK
Misc Info : J40920A,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40920A.b\8260LLUX11.m
Meth Date : 21-Sep-2004 08:58 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.041	5.041	(1.000)	2393122	50.0000	
* 2 Chlorobenzene-d5	117	7.680	7.680	(1.000)	1701948	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904	(1.000)	765302	50.0000	
$ 4 Dibromofluoromethane	113	4.485	4.485	(0.890)	554867	49.7991	9.960
$ 5 1,2-Dichloroethane-d4	65	4.757	4.757	(0.944)	780346	50.9322	10.186
$ 6 Toluene-d8	98	6.378	6.378	(0.831)	2201141	53.8340	10.767
$ 7 Bromofluorobenzene	95	8.780	8.780	(1.143)	823811	47.4197	9.484
8 Dichlorodifluoromethane	85	1.562	1.562	(0.310)	375108	29.9818	5.996
9 Chloromethane	50	1.704	1.692	(0.338)	650980	29.1419	5.828
10 Vinyl Chloride	62	1.799	1.787	(0.357)	483414	31.6365	6.327
11 Bromomethane	94	2.083	2.059	(0.413)	179035	24.7024	4.940
12 Chloroethane	64	2.166	2.154	(0.430)	336858	29.9966	5.999
13 Trichlorofluoromethane	101	2.331	2.331	(0.463)	610718	38.1323	7.626
15 Acrolein	56	2.627	2.627	(0.521)	918759	614.610	122.92
16 Acetone	43	2.745	2.745	(0.545)	192344	32.2467	6.449
17 1,1-Dichloroethene	96	2.733	2.722	(0.542)	473159	44.2114	8.842
18 Freon-113	151	2.769	2.769	(0.549)	342509	51.0707	10.214
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23992.D
Report Date: 21-Sep-2004 09:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.923	2.923	(0.580)	1602035	40.0739	8.015
	21 Methylene Chloride	84	3.100	3.100	(0.615)	728384	47.8336	9.567
	22 Acetonitrile	41	2.958	2.958	(0.587)	673785	474.390	94.878
	23 Acrylonitrile	53	3.278	3.278	(0.650)	2291500	518.822	103.76
	24 Methyl tert-butyl ether	73	3.325	3.313	(0.660)	1532102	44.6538	8.931
	25 trans-1,2-Dichloroethene	96	3.325	3.325	(0.660)	578418	45.5594	9.112
	26 Hexane	86	3.550	3.538	(0.704)	108729	52.8104	10.562
	27 Vinyl acetate	43	3.538	3.668	(0.702)	353396	17.3953	3.479
	28 1,1-Dichloroethane	63	3.656	3.645	(0.725)	1067504	46.0924	9.218
	29 tert-Butyl Alcohol	59	3.006	3.160	(0.596)	39400	42.3284	8.466
	30 2-Butanone	43	4.094	4.094	(0.812)	268487	40.9607	8.192
M	31 1,2-Dichloroethene (total)	96				1182806	90.8678	18.174
	32 cis-1,2-dichloroethene	96	4.106	4.106	(0.815)	604388	45.3084	9.062
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.355	4.355	(0.864)	1092780	46.9371	9.387
	36 Tetrahydrofuran	42	4.343	4.343	(0.862)	28418	7.88000	1.576
	37 1,1,1-Trichloroethane	97	4.520	4.520	(0.897)	781482	44.4446	8.889
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.662	4.662	(0.925)	651118	47.1616	9.432
	40 1,2-Dichloroethane	62	4.828	4.816	(0.958)	905707	47.6119	9.522
	41 Benzene	78	4.828	4.816	(0.958)	2539809	46.0969	9.219
	42 Trichloroethene	130	5.349	5.349	(1.061)	600675	47.7690	9.554
	43 1,2-Dichloropropane	63	5.526	5.526	(1.096)	630166	46.3649	9.273
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.751	5.751	(1.141)	837653	46.8506	9.370
	47 2-Chloroethyl vinyl ether	63	5.999	5.988	(1.190)	377588	49.4083	9.882
	48 cis-1,3-Dichloropropene	75	6.130	6.130	(1.216)	980282	44.8109	8.962
	49 4-Methyl-2-pentanone	43	6.248	6.248	(1.239)	527162	44.8154	8.963
	50 Toluene	91	6.437	6.437	(0.838)	2617106	51.4880	10.298
	51 trans-1,3-Dichloropropene	75	6.615	6.603	(0.861)	869069	47.6878	9.538
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.780	6.769	(0.883)	542886	52.6550	10.531
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.934	6.934	(0.903)	409943	49.7806	9.956
	56 2-Hexanone	43	6.982	6.982	(0.909)	340753	41.4019	8.280
	57 Dibromochloromethane	129	7.135	7.135	(0.929)	570600	51.8871	10.377
	58 1,2-Dibromoethane	107	7.254	7.254	(0.945)	533983	52.5653	10.513
	59 Chlorobenzene	112	7.703	7.703	(1.003)	1638125	49.7737	9.955
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.798	7.798	(1.015)	840892	50.5943	10.119
	62 m + p-Xylene	106	7.904	7.905	(1.029)	2124357	99.2391	19.848
M	63 Xylenes (total)	106				3133115	147.241	29.448
	64 Xylene-o	106	8.283	8.283	(1.079)	1008758	48.0018	9.600
	65 Styrene	104	8.295	8.295	(1.080)	1792871	47.7077	9.542
	66 Bromoform	173	8.472	8.473	(1.103)	353104	47.2387	9.448

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23992.D
Report Date: 21-Sep-2004 09:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.626	8.626	(1.123)	2350071	50.2103	10.042
68 1,1,2,2-Tetrachloroethane	83	8.898	8.899	(0.898)	648171	56.1852	11.237
69 1,4-Dichloro-2-butene	53	8.709	8.958	(0.879)	8013	2.11106	0.4222
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	9.845	9.845	(0.994)	1010948	47.9580	9.592
81 1,4-Dichlorobenzene	146	9.928	9.928	(1.002)	1106171	50.1567	10.031
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.295	10.295	(1.039)	999276	48.1294	9.626
84 1,2-Dibromo-3-chloropropane	157	11.052	11.052	(1.116)	97261	49.7868	9.957
85 1,2,4-Trichlorobenzene	180	11.892	11.892	(1.201)	371440	42.0218	8.404
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.579	4.580	(0.908)	800741	45.4819	9.096
143 Methyl Acetate	43	3.006	3.006	(0.596)	449036	45.6140	9.123
144 Methylcyclohexane	83	5.526	5.526	(1.096)	676816	45.8113	9.162
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4I160150 **Work Order #...:** GQMAE1AA **Matrix.....:** WATER
MB Lot-Sample #: A4I200000-385

Prep Date.....: 09/20/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 09/20/04 **Prep Batch #...:** 4264385
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	**0.20 J**	**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 #...: A4I160150 **Work Order #...:** GQMAE1AA **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	104	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

NOTE(S):

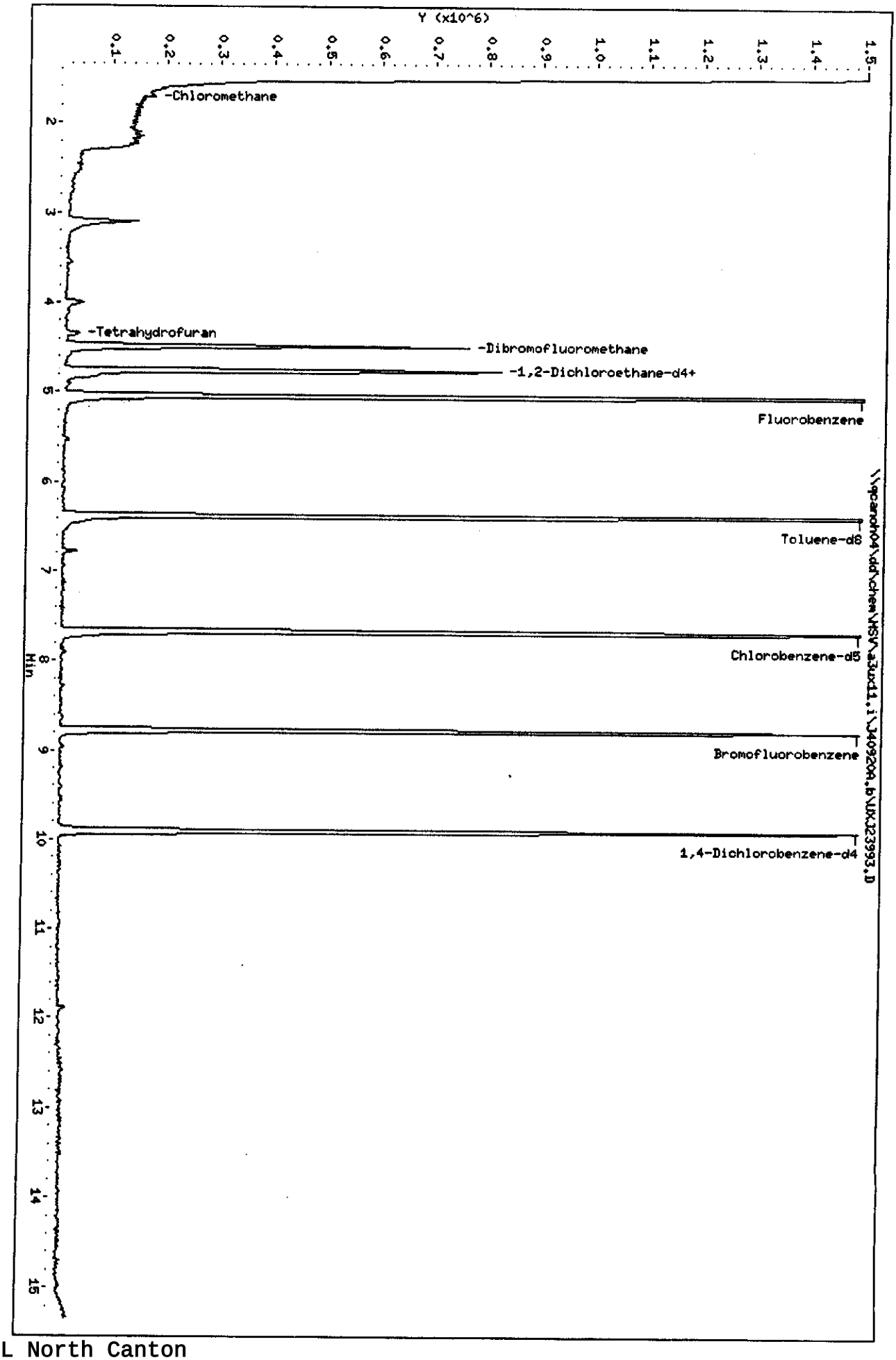
Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J409204.b\UXJ23993.D
Date : 20-SEP-2004 13:39
Client ID:
Sample Info: VBLK
Purge Volume: 5.0
Column phase: DB624

GC MAE IAA

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



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Report Date: 21-Sep-2004 09:01

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23993.D
Lab Smp Id: gqmae1aa
Inj Date : 20-SEP-2004 13:39
Operator : 43582 Inst ID: a3ux11.i
Smp Info : VBLK
Misc Info : J40920A,8260LLUX11,,43582,3,,BLANK,,0
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40920A.b\8260LLUX11.m
Meth Date : 21-Sep-2004 08:58 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.041	5.041	(1.000)	2307731	50.0000	
* 2 Chlorobenzene-d5	117	7.680	7.680	(1.000)	1657184	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.904	9.904	(1.000)	706977	50.0000	
$ 4 Dibromofluoromethane	113	4.485	4.485	(0.890)	551422	51.3212	10.264
$ 5 1,2-Dichloroethane-d4	65	4.757	4.757	(0.944)	742095	50.2278	10.046
$ 6 Toluene-d8	98	6.378	6.378	(0.831)	2069460	51.9806	10.396
$ 7 Bromofluorobenzene	95	8.780	8.780	(1.143)	708458	41.8814	8.376
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.704	1.692	(0.338)	21952	1.01907	0.2038
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23993.D
Report Date: 21-Sep-2004 09:01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.343	4.343	(0.862)	22489	6.50196	1.300
	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	4.828	4.816	(0.958)	49348	0.92880	0.1858
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23993.D
Report Date: 21-Sep-2004 09:01

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.					

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Date : 20-SEP-2004 13:39

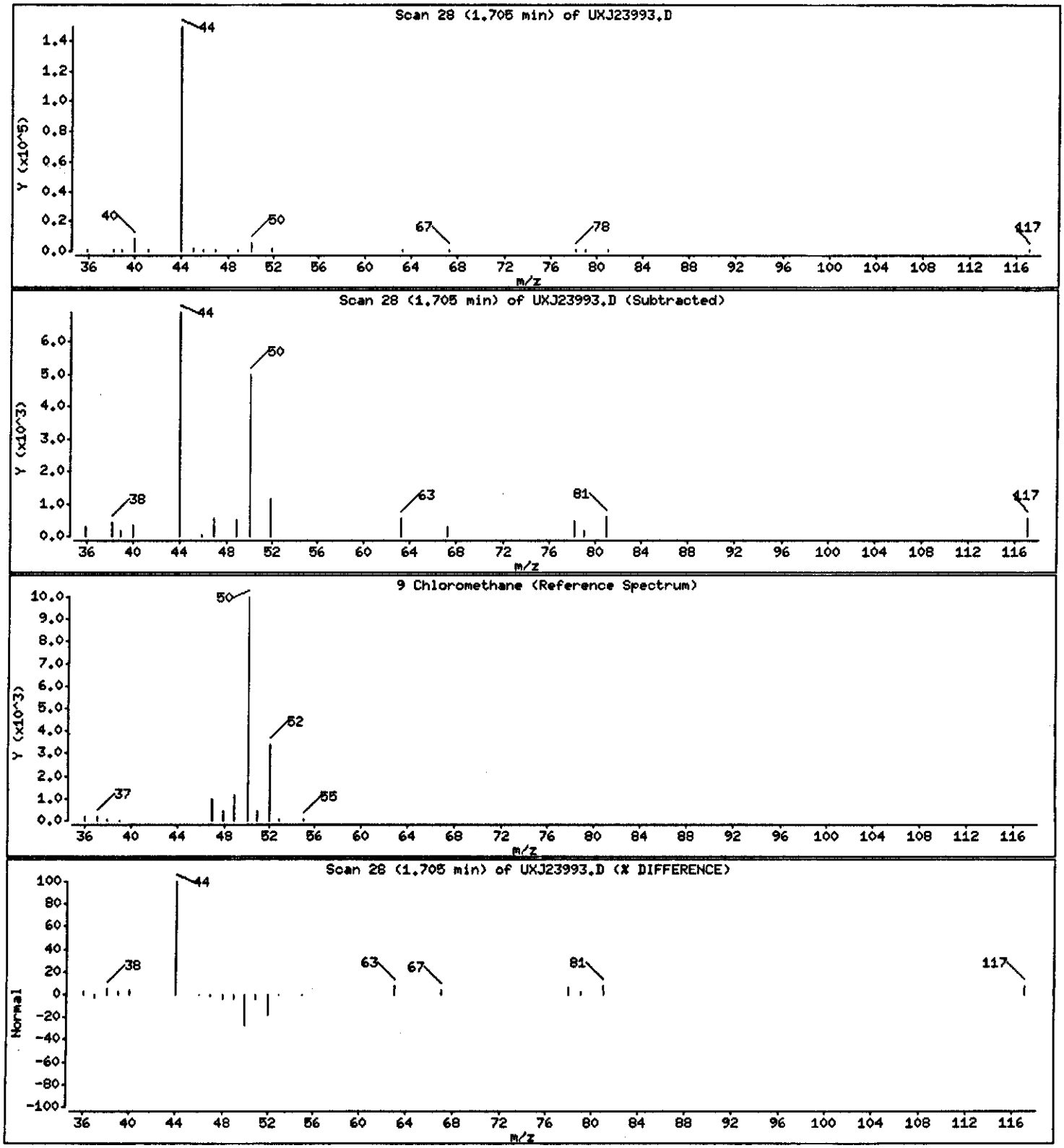
Client ID: | Instrument: a3ux11.i

Sample Info: VBLK

Purge Volume: 5.0 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

9 Chloromethane | Concentration: 0.2038 ug/L



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Date : 20-SEP-2004 13:39

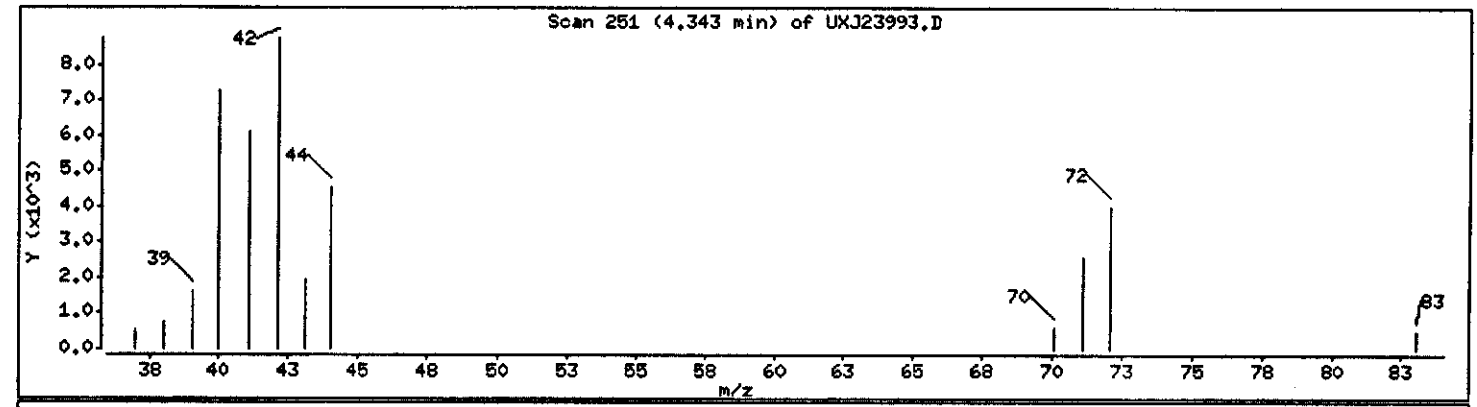
Client ID: | Instrument: a3ux11.i

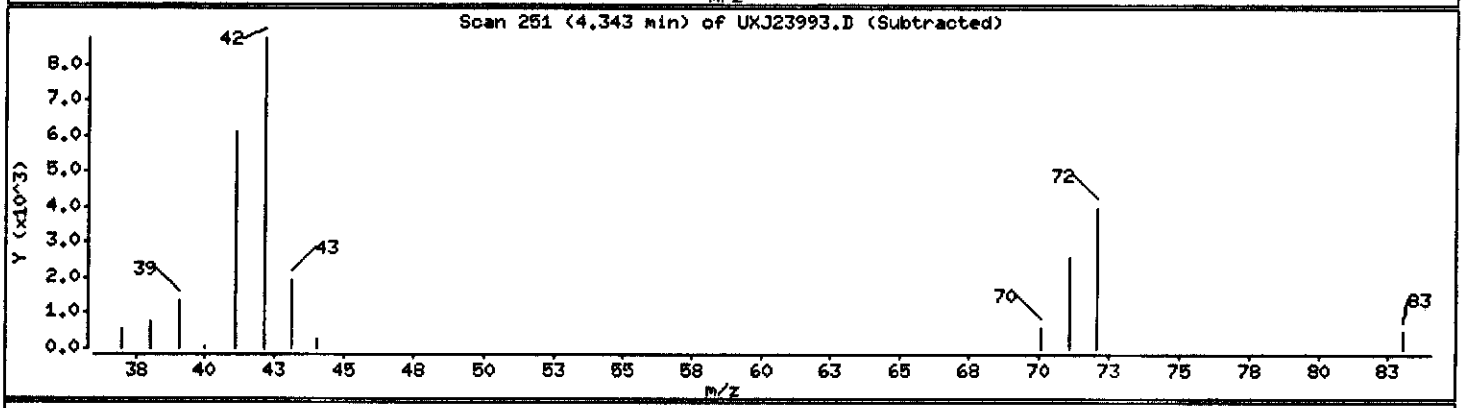
Sample Info: VBLK

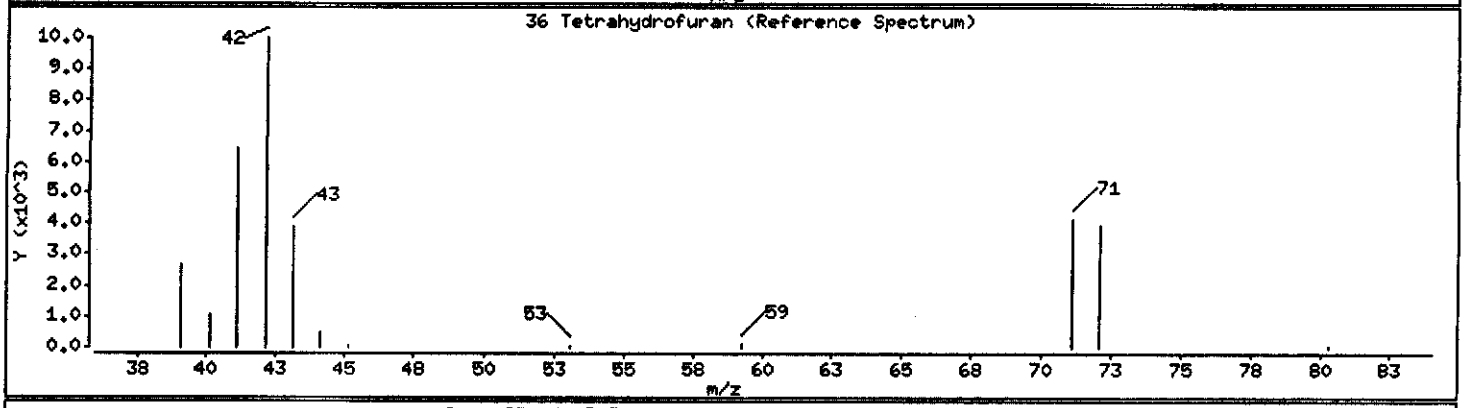
Purge Volume: 5.0 | Operator: 43582

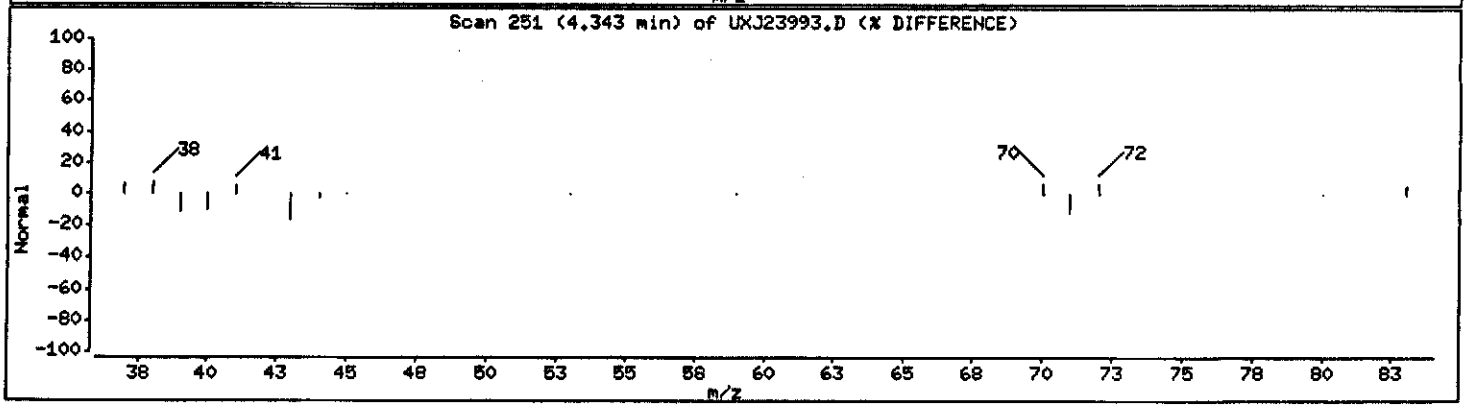
Column phase: DB624 | Column diameter: 0.18

36 Tetrahydrofuran | Concentration: 1.300 ug/L









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Date : 20-SEP-2004 13:39

Client ID:

Instrument: a3ux11.i

Sample Info: VBLK

Purge Volume: 5.0

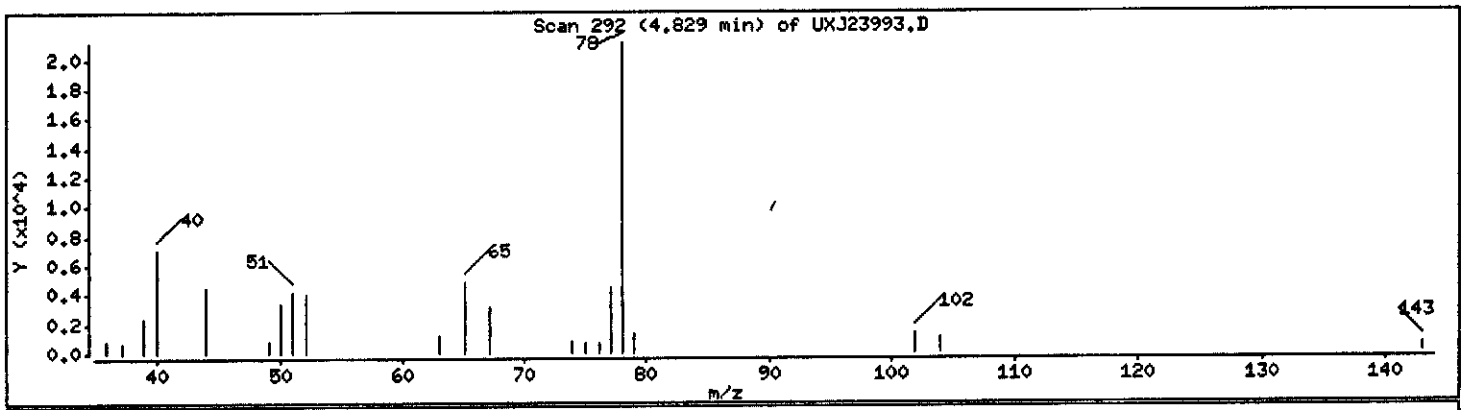
Operator: 43582

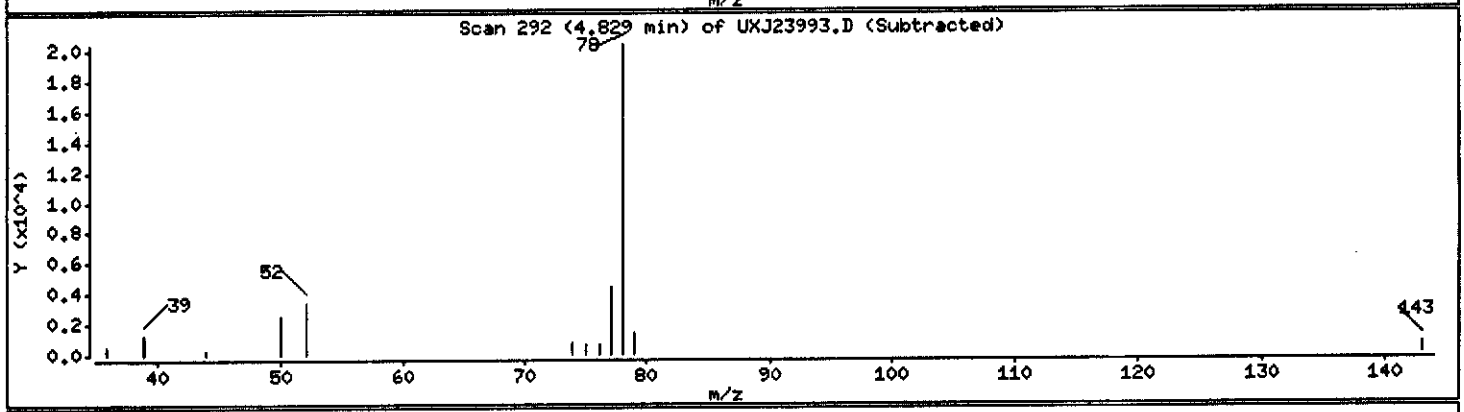
Column phase: DB624

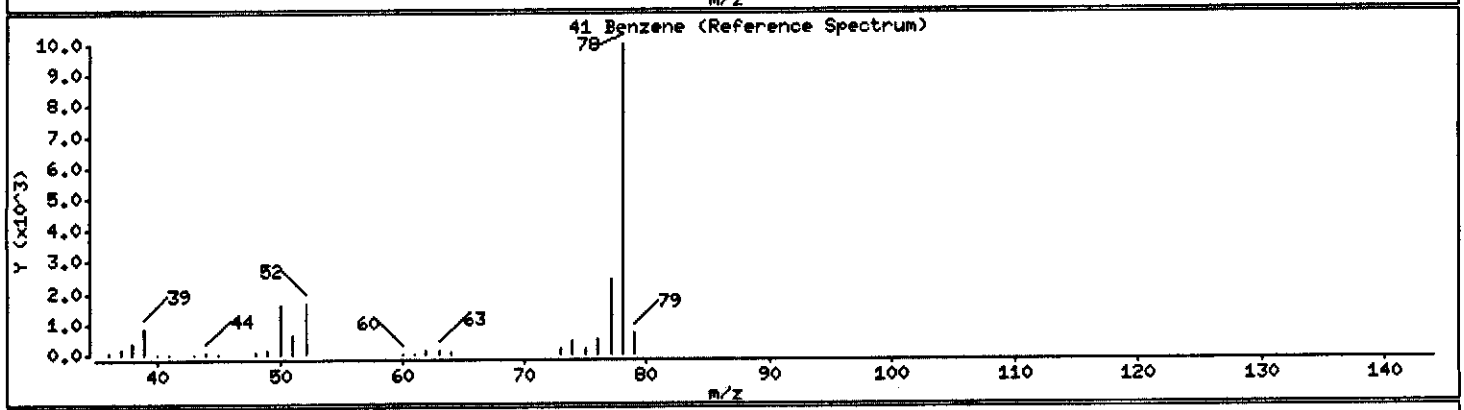
Column diameter: 0.18

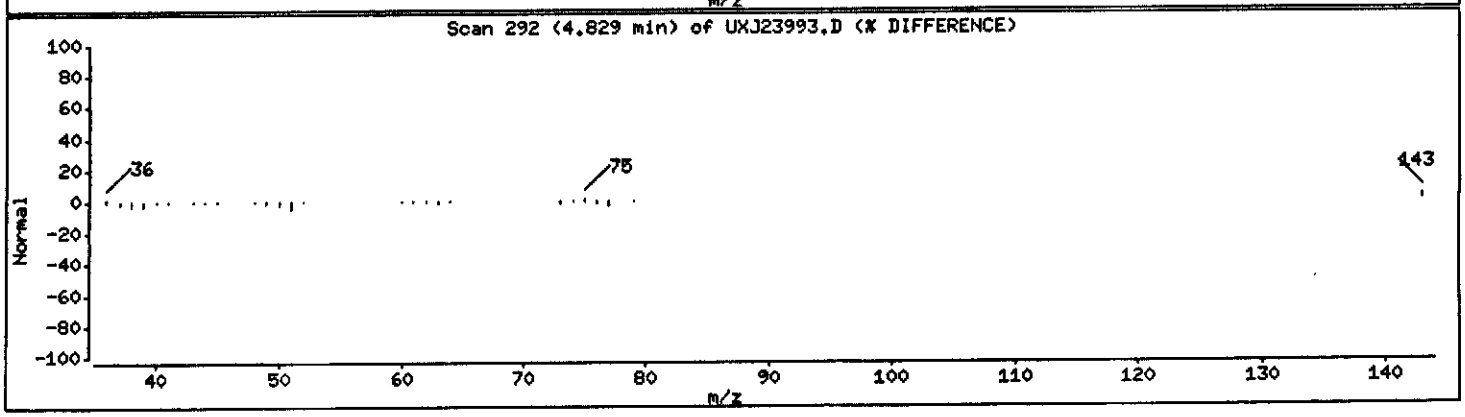
41 Benzene

Concentration: 0.1858 ug/L









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Report Date: 21-Sep-2004 09:01

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J40920A.b\UXJ23993.D
Lab Smp Id: gqmae1aa
Inj Date : 20-SEP-2004 13:39
Operator : 43582 Inst ID: a3ux11.i
Smp Info : VBLK
Misc Info : J40920A,8260LLUX11,,43582,3,,BLANK,,0
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J40920A.b\8260LLUX11.m
Meth Date : 21-Sep-2004 08:58 evansl Quant Type: ISTD
Cal Date : 14-SEP-2004 15:41 Cal File: UXJ23875.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV07

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4I160150 **Work Order #...:** GP89D1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4I150202-018 GP89D1AD-MSD
Date Sampled...: 09/13/04 17:00 **Date Received..:** 09/15/04
Prep Date.....: 09/20/04 **Analysis Date..:** 09/20/04
Prep Batch #...: 4264385
Dilution Factor: 33.33 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	65	(45 - 128)			SW846 8260B
	65	(45 - 128)	0.65	(0-30)	SW846 8260B
Benzene	**92**	**(78 - 118)**			**SW846 8260B**
	91	**(78 - 118)**	**0.83**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	95	(80 - 146)			SW846 8260B
	93	(80 - 146)	2.0	(0-30)	SW846 8260B
Bromoform	96	(58 - 176)			SW846 8260B
	95	(58 - 176)	0.63	(0-30)	SW846 8260B
Bromomethane	50 a	(55 - 145)			SW846 8260B
	53 a	(55 - 145)	5.1	(0-30)	SW846 8260B
2-Butanone	82	(71 - 123)			SW846 8260B
	78	(71 - 123)	5.0	(0-30)	SW846 8260B
Carbon disulfide	80	(69 - 138)			SW846 8260B
	80	(69 - 138)	0.77	(0-41)	SW846 8260B
Carbon tetrachloride	94	(63 - 176)			SW846 8260B
	95	(63 - 176)	0.51	(0-30)	SW846 8260B
Chlorobenzene	**98**	**(76 - 117)**			**SW846 8260B**
	98	**(76 - 117)**	**0.16**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	102	(71 - 158)			SW846 8260B
	98	(71 - 158)	3.6	(0-30)	SW846 8260B
Chloroethane	61	(59 - 142)			SW846 8260B
	62	(59 - 142)	1.4	(0-30)	SW846 8260B
Chloroform	95	(83 - 141)			SW846 8260B
	94	(83 - 141)	1.8	(0-30)	SW846 8260B
Chloromethane	54	(40 - 137)			SW846 8260B
	55	(40 - 137)	0.54	(0-39)	SW846 8260B
1,1-Dichloroethane	92	(88 - 127)			SW846 8260B
	92	(88 - 127)	0.42	(0-30)	SW846 8260B
1,2-Dichloroethane	96	(71 - 160)			SW846 8260B
	96	(71 - 160)	0.31	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	96	(87 - 114)			SW846 8260B
	94	(87 - 114)	1.1	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	92	(85 - 116)			SW846 8260B
	91	(85 - 116)	0.66	(0-30)	SW846 8260B
1,1-Dichloroethene	**92**	**(62 - 130)**			**SW846 8260B**
	87	**(62 - 130)**	**5.0**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	94	(86 - 115)			SW846 8260B
	93	(86 - 115)	0.93	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4I160150 **Work Order #...:** GP89D1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4I150202-018 GP89D1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	91	(87 - 114)			SW846 8260B
	89	(87 - 114)	1.9	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	87	(82 - 130)			SW846 8260B
	87	(82 - 130)	0.52	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	91	(73 - 147)			SW846 8260B
	92	(73 - 147)	0.90	(0-30)	SW846 8260B
Ethylbenzene	100	(86 - 132)			SW846 8260B
	101	(86 - 132)	0.09	(0-30)	SW846 8260B
2-Hexanone	86	(81 - 128)			SW846 8260B
	83	(81 - 128)	3.8	(0-30)	SW846 8260B
Methylene chloride	96	(82 - 115)			SW846 8260B
	95	(82 - 115)	1.6	(0-30)	SW846 8260B
4-Methyl-2-pentanone	93	(82 - 135)			SW846 8260B
	89	(82 - 135)	3.9	(0-30)	SW846 8260B
Styrene	94	(83 - 120)			SW846 8260B
	95	(83 - 120)	0.76	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	113	(88 - 116)			SW846 8260B
	108	(88 - 116)	4.0	(0-30)	SW846 8260B
Tetrachloroethene	106	(85 - 121)			SW846 8260B
	97	(85 - 121)	2.8	(0-30)	SW846 8260B
Toluene	**102**	**(70 - 119)**			**SW846 8260B**
	102	**(70 - 119)**	**0.67**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	89	(71 - 162)			SW846 8260B
	90	(71 - 162)	1.1	(0-30)	SW846 8260B
1,1,2-Trichloroethane	104	(86 - 129)			SW846 8260B
	102	(86 - 129)	1.3	(0-30)	SW846 8260B
Trichloroethene	**98**	**(62 - 130)**			**SW846 8260B**
	98	**(62 - 130)**	**0.36**	**(0-20)**	**SW846 8260B**
Vinyl chloride	60 a	(88 - 126)			SW846 8260B
	59 a	(88 - 126)	2.8	(0-30)	SW846 8260B
Xylenes (total)	98	(89 - 121)			SW846 8260B
	98	(89 - 121)	0.10	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	103	(61 - 128)
Toluene-d8	107	(76 - 110)
	105	(76 - 110)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4I160150 **Work Order #...:** GP89D1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4I150202-018 GP89D1AD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	92	(74 - 116)
	91	(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 #...: A4I160150 **Work Order #...:** GP89D1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4I150202-018 GP89D1AD-MSD
Date Sampled...: 09/13/04 17:00 **Date Received..:** 09/15/04
Prep Date.....: 09/20/04 **Analysis Date..:** 09/20/04
Prep Batch #...: 4264385
Dilution Factor: 33.33 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	36	330	250	ug/L	65		SW846 8260B
	36	330	250	ug/L	65	0.65	SW846 8260B
Benzene	**ND**	**330**	**310**	**ug/L**	**92**		**SW846 8260B**
	ND	**330**	**300**	**ug/L**	**91**	**0.83**	**SW846 8260B**
Bromodichloromethane	ND	330	320	ug/L	95		SW846 8260B
	ND	330	310	ug/L	93	2.0	SW846 8260B
Bromoform	ND	330	320	ug/L	96		SW846 8260B
	ND	330	320	ug/L	95	0.63	SW846 8260B
Bromomethane	ND	330	170	ug/L	50 a		SW846 8260B
	ND	330	180	ug/L	53 a	5.1	SW846 8260B
2-Butanone	38	330	310	ug/L	82		SW846 8260B
	38	330	300	ug/L	78	5.0	SW846 8260B
Carbon disulfide	ND	330	270	ug/L	80		SW846 8260B
	ND	330	270	ug/L	80	0.77	SW846 8260B
Carbon tetrachloride	ND	330	310	ug/L	94		SW846 8260B
	ND	330	320	ug/L	95	0.51	SW846 8260B
Chlorobenzene	**ND**	**330**	**330**	**ug/L**	**98**		**SW846 8260B**
	ND	**330**	**330**	**ug/L**	**98**	**0.16**	**SW846 8260B**
Dibromochloromethane	ND	330	340	ug/L	102		SW846 8260B
	ND	330	330	ug/L	98	3.6	SW846 8260B
Chloroethane	ND	330	200	ug/L	61		SW846 8260B
	ND	330	210	ug/L	62	1.4	SW846 8260B
Chloroform	ND	330	320	ug/L	95		SW846 8260B
	ND	330	310	ug/L	94	1.8	SW846 8260B
Chloromethane	ND	330	190	ug/L	54		SW846 8260B
	ND	330	190	ug/L	55	0.54	SW846 8260B
1,1-Dichloroethane	ND	330	310	ug/L	92		SW846 8260B
	ND	330	310	ug/L	92	0.42	SW846 8260B
1,2-Dichloroethane	ND	330	320	ug/L	96		SW846 8260B
	ND	330	320	ug/L	96	0.31	SW846 8260B
cis-1,2-Dichloroethene	110	330	430	ug/L	96		SW846 8260B
	110	330	420	ug/L	94	1.1	SW846 8260B
trans-1,2-Dichloroethene	ND	330	310	ug/L	92		SW846 8260B
	ND	330	300	ug/L	91	0.66	SW846 8260B
1,1-Dichloroethene	**ND**	**330**	**310**	**ug/L**	**92**		**SW846 8260B**
	ND	**330**	**290**	**ug/L**	**87**	**5.0**	**SW846 8260B**
1,2-Dichloroethene (total)	110	670	740	ug/L	94		SW846 8260B
	110	670	730	ug/L	93	0.93	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4I160150 **Work Order #...:** GP89D1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4I150202-018 GP89D1AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dichloropropane	ND	330	300	ug/L	91		SW846 8260B
	ND	330	300	ug/L	89	1.9	SW846 8260B
cis-1,3-Dichloropropene	ND	330	290	ug/L	87		SW846 8260B
	ND	330	290	ug/L	87	0.52	SW846 8260B
trans-1,3-Dichloropropene	ND	330	300	ug/L	91		SW846 8260B
	ND	330	310	ug/L	92	0.90	SW846 8260B
Ethylbenzene	ND	330	330	ug/L	100		SW846 8260B
	ND	330	340	ug/L	101	0.09	SW846 8260B
2-Hexanone	ND	330	290	ug/L	86		SW846 8260B
	ND	330	280	ug/L	83	3.8	SW846 8260B
Methylene chloride	ND	330	320	ug/L	96		SW846 8260B
	ND	330	320	ug/L	95	1.6	SW846 8260B
4-Methyl-2-pentanone	ND	330	310	ug/L	93		SW846 8260B
	ND	330	300	ug/L	89	3.9	SW846 8260B
Styrene	ND	330	310	ug/L	94		SW846 8260B
	ND	330	320	ug/L	95	0.76	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	330	380	ug/L	113		SW846 8260B
	ND	330	360	ug/L	108	4.0	SW846 8260B
Tetrachloroethene	800	330	1200	ug/L	106		SW846 8260B
	800	330	1100	ug/L	97	2.8	SW846 8260B
Toluene	**ND**	**330**	**340**	**ug/L**	**102**		**SW846 8260B**
	ND	**330**	**340**	**ug/L**	**102**	**0.67**	**SW846 8260B**
1,1,1-Trichloroethane	ND	330	300	ug/L	89		SW846 8260B
	ND	330	300	ug/L	90	1.1	SW846 8260B
1,1,2-Trichloroethane	ND	330	350	ug/L	104		SW846 8260B
	ND	330	340	ug/L	102	1.3	SW846 8260B
Trichloroethene	**160**	**330**	**490**	**ug/L**	**98**		**SW846 8260B**
	160	**330**	**490**	**ug/L**	**98**	**0.36**	**SW846 8260B**
Vinyl chloride	ND	330	210	ug/L	60 a		SW846 8260B
	ND	330	200	ug/L	59 a	2.8	SW846 8260B
Xylenes (total)	ND	1000	980	ug/L	98		SW846 8260B
	ND	1000	980	ug/L	98	0.10	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	103	(61 - 128)
Toluene-d8	107	(76 - 110)
	105	(76 - 110)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4I160150 **Work Order #...:** GP89D1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4I150202-018 GP89D1AD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	92	(74 - 116)
	91	(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.

SEVERN TRENT STL

MISCELLANEOUS DATA

UX11
Batch # _____

STL-North Canton
GC/MS VOA Run Log

Date: 8/16/04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 20 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V2149 SS # —	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB207	50ng	dirnyect	13:09	On
	Vol STD		UXJ23202	200ng	V2154,56	57,60	On
	Vol STD		03	100ng			On
	Vol STD		04	50ng			On
	Vol STD		05	25ng			On
	Vol STD		06	10ng			On
	Vol STD		07	5ng			On
	ACV		08	50ng	V2165		~~On~~ OK
	Ag STD		09	200ng	V2152,59		On
	Ag STD		10	100ng			On
	Ag STD		11	50ng			On
	Ag STD		12	25ng			On
	Ag STD		13	10ng			On
	Ag STD		14	5ng			On

8/18/04

8/17/04

Analyst: _____
Level 2 review: _____

4

UX11
Batch # 4259349

STL-North Canton
GC/MS VOA Run Log

(9/16)

Date: 9/14/04

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
IS # 1/2246 SS # 1/2247

Analysis
45 C for 2 min
to 200 C @ 20 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

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
✓	BFB		BFB 232	50ng	diluted	13:21	On
✓	101 STD		UKJ3870	200 ng	V2252,66		On
✓	101 STD		71	100 ng	53,55		On
✓	101 STD		72	50 ng		540914	On
✓	101 STD		73	25 ng			On
✓	101 STD		74	10 ng			On
✓	101 STD		75	5 ng			On
✓	DCV		76	50ng	V2259		On
✓	Check	GP86W	77				On
✓	Check Dup		78				On
✓	Blank		79	5ml			On
✓	GPMRL1AA		80	0.2ml/5ml			On
✓	GPMRL1AA (S)		81		+50ng		On
✓	GPMRL1AA (D)		82				On
✓	GPMN41AA	ED	83	5ml			On
✓	GPHTD1AA		84				On
✓	GPJW V1AA	ED	85				On
✓	GPJW1AA		86				On
✓	GPJW3AA		87				On
✓	GPJW4AA		88				On
✓	GPJW5AA		89				On
✓	GPJW6AA		90				On
✓	GPJW7AA		91				On
✓	GPJW8AA		92				On
✓	GPJW9AA		93				On
✓	GPKLEIAA	GM	94				On
✓	GPKLFIAA		95				On
✓	GPKMJIAA		96			@ 1.5ml vial	OK
✓	GPLDJIAA	m	97				On
✓	GPLDPIAA	m	98				OK
✓	GPLDTIAA	b	99				OK

~~26976~~ ~~04403~~ ~~04055~~ 040153 ~~04070~~

report this

26 9025

Analyst: [signature]
Level 2 review: [signature]

UX11
Batch # 4260385

STL-North Canton
GC/MS VOA Run Log

(9/20)

Date: 9/20/04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 20 C/min	Purge: 11
I.D. 0.18 mm	Hold - min	to - C @ - C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V2280 SS # V2281	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB	1ppb	BFB 236	50ng	dir inject (11:18)		On
1	VOLSTD	8260	UWJ23984		V2269 50,	71J40914	On
2	~~Check~~	AG STD	90		V2272	J40816	On
3	Check	GD MTE	91		V2283		On
4	Check Lup		92				On
5	blank		93	5ml			On
6	GQFE11AA		94				On
7	GQCL1JAA		95			ZAA @ 250 ml	On
8	GQCLA1AA		96			@ c/o (conf.)	ok
9	GL40F1AA	ED	97	0.005ml/5ml			On
10	GP895JAA	ED	98	2ml/5ml		@ 1.25ml	—
11	GL1JXAA	VAP	99	1.25ml/5ml		@ 1.5ml	—
12	GPJ01AA		04000	0.07ml/5ml			ok
13	GQCL1ZAA		01	0.25ml/5ml			On
14	GP895JAZ	(S) ED	02	2ml/5ml	+5ng	@ 1.25ml	—
15	GP895JAD	(D)	03				—
16	GP89DJAA		04	0.15ml/5ml			On
17	GP89DJAZ	(S)	05		+5ng		On
18	GP89DJAD	(D)	06				On
19	GP875JAA		07	2.5ml/5ml			On
20	GP88HJAA		08	0.015ml/5ml			On
21	GP88JJAA		09	0.02ml/5ml			On
22	GP88KJAA		10	5ml			On
23	GP88LJAA		11				On
24	GP88MJAA		12	1.5ml/5ml			On
25	GP88TJAA		13	5ml			On
26	GP88VJAA		14	0.02ml/5ml			On
27	GP88JJAA		15	5ml			On
28	GP884JAA		16	0.015ml/5ml			On
29	GP885JAA		17	0.02ml/5ml			On
30	GP886JAA		18	5ml			On
31	GQCLAJAA		19			conf only - out of time	
32							

~~170134~~
~~160750~~
~~130225~~

Analyst:
Level 2 review:

,205 Severn Trent Laboratories, Inc System Date: 9/16/04 10:45:38
ge 1 Local Date: 9/16/04 12:45:38

MSVOC Lot Summary - A4I160150

:ENT: 5670 PAYNE FIRM INC. SDG: 4 Date Received: 9/16/04
)JECT MANAGER: Roger K. Toth Date Analysis Due: 9/20/04 N
:E: EMD SCIENCE Date Report Due: 9/27/04
Turnaround Time: 4
[COMMENTS:
PACKAGE: Expanded Deliverables

4P#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
1-	GQCK1-1AA	XX I 25 QK 01 MS8260LL		9/15/04 10:17	9/29/04	Y	DPE02/091504 Q: CLP MSVOA TCL Standard List EXP DEL,SDG #4I16150(CLSD),8260 NEED 10X LESSER DILUTION, DUE 9-20-04 AP9 Compounds
2-	GQCLA-1AA	XX I 25 QK 01 MS8260LL		9/15/04	9/29/04	Y	TRIP BLANK Q: CLP MSVOA TCL Standard List EXP DEL,SDG #4I16150(CLSD),8260 NEED 10X LESSER DILUTION, DUE 9-20-04 AP9 Compounds

3

2

PH:1 FC:N

09/24/04 09:45:18 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A4I160150	1	G0CK11AA	MS8260LL	9/20/04	Laura Evans
A4I160150	1	G0CK12AA	MS8260LL	9/20/04	Laura Evans
A4I160150	2	G0CLA1AA	MS8260LL	9/20/04	

*** END OF REPORT ***

SEVERN TRENT STL

END OF REPORT