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SEVERN TRENT STL

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ANALYTICAL REPORT

PROJECT NO. 100.58.15

EMD CHEMICAL, OHIO

Lot #: A4I140148

Angela Hurley

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

SEVERN TRENT LABORATORIES, INC.

Roger K. Toth
Project Manager

September 22, 2004

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE
4I14148

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 EMD Chemical, Ohio Site, project number 100.58.15. The samples were received September 14, 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 15, 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.

CASE NARRATIVE (continued)

GC/MS VOLATILES

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) 4259300 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.

Two analyses were used to report sample MW026/091304 due to high analyte concentrations.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

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

QC BATCH

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

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

LABORATORY CONTROL SAMPLE

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

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

METHOD BLANK

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

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

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

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

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

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

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

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

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

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

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

SURROGATE COMPOUNDS

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

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

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

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

STL North Canton Certifications and Approvals:

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

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SEVERN TRENT STL

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A4I140148

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW026/091304 09/13/04 10:55 001				
Acetone	7.3 J	56	ug/L	SW846 8260B
Benzene	1.2 J	5.6	ug/L	SW846 8260B
Benzene	0.48 J	1.0	ug/L	SW846 8260B
2-Butanone	3.3 J	56	ug/L	SW846 8260B
2-Butanone	2.9 J	10	ug/L	SW846 8260B
1,2-Dichloroethane	0.72 J	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	31	5.6	ug/L	SW846 8260B
cis-1,2-Dichloroethene	42 E	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	2.1 J	5.6	ug/L	SW846 8260B
trans-1,2-Dichloroethene	3.0	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	0.37 J	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	33	11	ug/L	SW846 8260B
1,2-Dichloroethene (total)	45 E	2.0	ug/L	SW846 8260B
1,4-Dioxane	49 J	50	ug/L	SW846 8260B
Trichloroethene	100	5.6	ug/L	SW846 8260B
Trichloroethene	140 E	1.0	ug/L	SW846 8260B
TRIP BLANK/091304 09/13/04 002				
Acetone	1.6 J	10	ug/L	SW846 8260B
2-Butanone	0.49 J	10	ug/L	SW846 8260B
Toluene	0.18 J	1.0	ug/L	SW846 8260B

SEVERN TRENT STL

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A4I140148

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

References:

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

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SAMPLE SUMMARY

SAMPLE SUMMARY

A4I140148

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GP5W5	001	MW026/091304	09/13/04	10:55
GP5W6	002	TRIP BLANK/091304	09/13/04	

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 **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	THE PAYNE FIRM
Address	11231 CORNELL PK. DR.
City	CINCINNATI
State	OH
Zip Code	45242
Project Manager	KEVIN KALLINI
Telephone Number (Area Code)/Fax Number	513-489-2255, 2533
Site Contact	M. BACKHERM
Lab Contact	R. TOTH
Carrier/Waybill Number	STL-CIN
Project Name and Location (State)	EMD CHEMICAL, OHIO
Contract/Purchase Order/Quote No.	100.58.15
Date	9/13/04
Lab Number	
Chain of Custody Number	153775
Page	1 of 1

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		VOC 8260	Special Instructions/ Conditions of Receipt
MW026/091304	9/13/04	1055		X							3				X	-RUSH
TRIP BLANK/091304	9/13/04	—		X							2				X	-24 HOUR TURNAROUND

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

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

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

QC Requirements (Specify): LEVEL IV APPENDIX IX LIST

	Date	Time		Date	Time
1. Relinquished By	9/13/04		1. Received By	9/13/04	1430
2. Relinquished By	9/13/04	1500	2. Received By	9/14/04	9:30
3. Relinquished By			3. Received By		

Comments

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

RSR280

Client: 5670

Lot #: A4I140148

Case Number/SDG: 100.58.15

Storage Location: MS

Severn Trent Laboratories, Inc.
Sample Control Record

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
GP5W5	SANDERSA	9/14/04	Yes		Storage	
GP5W6	SANDERSA	9/14/04	Yes		Storage	

STL Cooler Receipt Form/Narrative **Lot Number:** A4714048
North Canton Facility

Client: Payne Firm Project: EMD Chemical Ohio Quote#: _____
Cooler Received on: 9/14/04 Opened on: 9/14/04 by: [signature] (Signature)

Fedx ☐ Client Drop Off ☐ UPS ☐ DHL ☒ FAS ☐ Other: _____
STL Cooler No# 4119 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_20 Slurry ☐
COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

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

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

√		

1. CHAIN OF CUSTODY

The following discrepancies occurred:

2. SAMPLE CONDITION

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

3. SAMPLE PRESERVATION

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

4. Other (see below or back)

Open Close Sty - per RKT - Sms

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: 4I14148

Lot #: A4I140148

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	INTRA-LAB QC	98	95	102	94	00
02	MW026/091304	101	95	104	96	00
03	MW026/091304 RE-1	100	97	102	97	00
04	TRIP BLANK/091304	100	97	101	94	00
05	METHOD BLK. GP8T11AA	101	94	103	97	00
06	LCS GP8T11AC	98	91	105	108	00
07	LAB MS/MSD D	101	93	105	108	00
08	LCSD GP8T11AD	98	92	104	107	00
09	LAB MS/MSD S	100	92	103	106	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: 4I14148

Lot #: A4I150000 WO #: GP8T11AC
BATCH: 4259300

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	5.6	56	48- 123	
Bromomethane	10	7.5	75	64- 129	
Vinyl chloride	10	7.5	75	61- 120	
Chloroethane	10	4.8	48*	66- 126	a
Methylene chloride	10	8.6	86	78- 118	
Acetone	10	5.0	50	22- 200	
Carbon disulfide	10	7.3	73	73- 139	
1,1-Dichloroethene	10	8.2	82	63- 130	
1,1-Dichloroethane	10	8.4	84*	86- 123	a
1,2-Dichloroethene (total	20	17	85	82- 116	
Chloroform	10	8.3	83*	84- 128	a
1,2-Dichloroethane	10	8.3	83	79- 136	
2-Butanone	10	6.5	65	28- 237	
1,1,1-Trichloroethane	10	8.6	86	78- 140	
Carbon tetrachloride	10	8.5	85	75- 149	
Bromodichloromethane	10	8.6	86*	87- 130	a
1,2-Dichloropropane	10	9.1	91	82- 115	
cis-1,3-Dichloropropene	10	9.1	91	84- 130	
Trichloroethene	10	8.8	88	75- 122	
Dibromochloromethane	10	8.6	86	81- 138	
1,1,2-Trichloroethane	10	9.2	92	83- 122	
Benzene	10	8.5	85	80- 116	
trans-1,3-Dichloropropene	10	8.1	81*	84- 130	a
Bromoform	10	7.8	78	76- 150	
4-Methyl-2-pentanone	10	7.6	76*	78- 141	a
2-Hexanone	10	7.2	72	35- 200	
Tetrachloroethene	10	8.4	84*	88- 113	a
1,1,2,2-Tetrachloroethane	10	11	106	85- 118	
Toluene	10	9.3	93	74- 119	
Chlorobenzene	10	9.1	91	76- 117	
Ethylbenzene	10	9.4	94	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: 4I14148

Lot #: A4I150000 WO #: GP8T11AC
BATCH: 4259300

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	8.9	89	85- 117	
Xylenes (total)	30	27	89	87- 116	
cis-1,2-Dichloroethene	10	8.1	81*	85- 113	a
trans-1,2-Dichloroethene	10	9.0	90	79- 120	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 8 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4I14148

Lot #: A4I150000 WO #: GP8T11AD
BATCH: 4259300

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	5.9	59	48- 123	
Bromomethane	10	7.9	79	64- 129	
Vinyl chloride	10	7.9	79	61- 120	
Chloroethane	10	4.4	44*	66- 126	a
Methylene chloride	10	8.4	84	78- 118	
Acetone	10	5.1	51	22- 200	
Carbon disulfide	10	6.8	68*	73- 139	a
1,1-Dichloroethene	10	8.3	83	63- 130	
1,1-Dichloroethane	10	8.7	87	86- 123	
1,2-Dichloroethene (total	20	18	88	82- 116	
Chloroform	10	8.4	84	84- 128	
1,2-Dichloroethane	10	8.4	84	79- 136	
2-Butanone	10	6.5	65	28- 237	
1,1,1-Trichloroethane	10	8.4	84	78- 140	
Carbon tetrachloride	10	8.6	86	75- 149	
Bromodichloromethane	10	8.8	88	87- 130	
1,2-Dichloropropane	10	9.7	97	82- 115	
cis-1,3-Dichloropropene	10	9.2	92	84- 130	
Trichloroethene	10	9.0	90	75- 122	
Dibromochloromethane	10	9.1	91	81- 138	
1,1,2-Trichloroethane	10	9.6	96	83- 122	
Benzene	10	8.7	87	80- 116	
trans-1,3-Dichloropropene	10	8.2	82*	84- 130	a
Bromoform	10	8.2	82	76- 150	
4-Methyl-2-pentanone	10	7.8	78	78- 141	
2-Hexanone	10	7.5	75	35- 200	
Tetrachloroethene	10	8.7	87*	88- 113	a
1,1,2,2-Tetrachloroethane	10	10	104	85- 118	
Toluene	10	9.4	94	74- 119	
Chlorobenzene	10	9.3	93	76- 117	
Ethylbenzene	10	9.5	95	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: 4I14148

Lot #: A4I150000 WO #: GP8T11AD
BATCH: 4259300

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	9.3	93	85- 117	
Xylenes (total)	30	28	92	87- 116	
cis-1,2-Dichloroethene	10	8.5	85	85- 113	
trans-1,2-Dichloroethene	10	9.2	92	79- 120	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 4 out of 35 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

GP8T11AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4I14148

Lab File ID: UXX1459.D

Lot Number: A4I140148

Date Analyzed: 09/14/04

Time Analyzed: 23:16

Matrix: WATER

Date Extracted:09/14/04

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX10

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	INTRA-LAB QC	GPG1K1AA	UXX1463.D	09/15/04	01:06
02	LAB MS/MSD	GPG1K1AC S	UXX1465.D	09/15/04	01:52
03	LAB MS/MSD	GPG1K1AD D	UXX1466.D	09/15/04	02:14
04	MW026/091304	GP5W51AA	UXX1471.D	09/15/04	04:09
05	MW026/091304	GP5W52AA	UXX1483.D	09/15/04	08:53
06	TRIP BLANK/091304	GP5W61AA	UXX1472.D	09/15/04	04:31
07	CHECK SAMPLE	GP8T11AC C	UXX1456.D	09/14/04	22:07
08	DUPLICATE CHECK	GP8T11AD L	UXX1458.D	09/14/04	22:53
09					
10					
11					
12					
13					
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15					
16					
17					
18					
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30					

COMMENTS:

FORM IV

5A

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

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A4I140148

Lab File ID: BFB1375 BFB Injection Date: 08/25/04

Instrument ID: A3UX10 BFB Injection Time: 2325

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	56.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.6 (0.6)1
174	50.0 - 100.0% of mass 95	91.9
175	5.0 - 9.0% of mass 174	7.8 (8.5)1
176	Greater than 95.0%, but less than 101.0% of mass 174	87.4 (95.1)1
177	5.0 - 9.0% of mass 176	6.7 (7.6)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD040	200NG-IC	UXX0907	08/25/04	2346
02	VSTD020	100NG-IC	UXX0908	08/26/04	0009
03	VSTD010	50NG-IC	UXX0909	08/26/04	0032
04	VSTD005	25NG-IC	UXX0910	08/26/04	0055
05	VSTD002	10NG-IC	UXX0911	08/26/04	0118
06	VSTD001	5NG-IC	UXX0912	08/26/04	0141
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

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

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A4I140148

Lab File ID: BFB1394 BFB Injection Date: 09/14/04

Instrument ID: A3UX10 BFB Injection Time: 2058

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.3
75	30.0 - 60.0% of mass 95	46.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 100.0% of mass 95	83.3
175	5.0 - 9.0% of mass 174	5.9 (7.1)1
176	Greater than 95.0%, but less than 101.0% of mass 174	79.2 (95.0)1
177	5.0 - 9.0% of mass 176	4.9 (6.2)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	GP8T11-CHK	GP8T11AC	UXX1456	09/14/04	2207
02	VSTD010	50NG-CC	UXX1457	09/14/04	2230
03	GP8T11-CKDUP	GP8T11AD	UXX1458	09/14/04	2253
04	GP8T11-BLK	GP8T11AA	UXX1459	09/14/04	2316
05	MW026/091304	GP5W51AA	UXX1471	09/15/04	0409
06	TRIP BLANK/0	GP5W61AA	UXX1472	09/15/04	0431
07	MW026/091304	GP5W52AA	UXX1483	09/15/04	0853
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

page 1 of 1

FORM V VOA 1/87 Rev.

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A4I140148

Lab File ID (Standard): UXX1457 Date Analyzed: 09/14/04

Instrument ID: A3UX10 Time Analyzed: 2230

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

		IS1 (CBZ) AREA #	RT	IS2 AREA #	RT	IS3 (DCB) AREA #	RT
	12 HOUR STD	1383368	7.81	1849876	5.14	727480	10.05
	UPPER LIMIT	2766736	8.31	3699752	5.64	1454960	10.55
	LOWER LIMIT	691684	7.31	924938	4.64	363740	9.55
	EPA SAMPLE NO.						
01	GP8T11-CHK	1344182	7.81	1836636	5.14	671715	10.05
02	GP8T11-CKDUP	1343995	7.81	1829848	5.14	670558	10.05
03	GP8T11-BLK	1253414	7.81	1685087	5.14	617663	10.05
04	MW026/091304	1133420	7.81	1543671	5.13	543140	10.04
05	TRIP BLANK/0	1113624	7.81	1519545	5.13	526110	10.05
06	MW026/091304	1107485	7.81	1494663	5.14	526751	10.05
07							
08							
09							
10							
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16							
17							
18							
19							
20							
21							
22							

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

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

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

FORM VIII VOA 1/87 Rev.

SEVERN TRENT STL

SAMPLE DATA

PAYNE FIRM INC.

Client Sample ID: MW026/091304

GC/MS Volatiles

Lot-Sample #...: A4I140148-001 **Work Order #...:** GP5W51AA **Matrix.....:** WG
Date Sampled...: 09/13/04 10:55 **Date Received..:** 09/14/04
Prep Date.....: 09/15/04 **Analysis Date..:** 09/15/04
Prep Batch #...: 4259300
Dilution Factor: 5.56 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**7.3 J**	**56**	**ug/L**
Acetonitrile	ND	110	ug/L
Acrolein	ND	110	ug/L
Acrylonitrile	ND	110	ug/L
Benzene	**1.2 J**	**5.6**	**ug/L**
Bromodichloromethane	ND	5.6	ug/L
Bromoform	ND	5.6	ug/L
Bromomethane	ND	5.6	ug/L
2-Butanone	**3.3 J**	**56**	**ug/L**
Carbon disulfide	ND	5.6	ug/L
Carbon tetrachloride	ND	5.6	ug/L
Chlorobenzene	ND	5.6	ug/L
Chloroprene	ND	11	ug/L
Dibromochloromethane	ND	5.6	ug/L
Chloroethane	ND	5.6	ug/L
Chloroform	ND	5.6	ug/L
Chloromethane	ND	5.6	ug/L
3-Chloropropene	ND	11	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	11	ug/L
1,2-Dibromoethane	ND	5.6	ug/L
Dibromomethane	ND	5.6	ug/L
trans-1,4-Dichloro-2-butene	ND	5.6	ug/L
1,1-Dichloroethane	ND	5.6	ug/L
1,2-Dichloroethane	ND	5.6	ug/L
cis-1,2-Dichloroethene	**31**	**5.6**	**ug/L**
trans-1,2-Dichloroethene	**2.1 J**	**5.6**	**ug/L**
1,1-Dichloroethene	ND	5.6	ug/L
1,2-Dichloroethene (total)	**33**	**11**	**ug/L**
Dichlorofluoromethane	ND	11	ug/L
1,2-Dichloropropane	ND	5.6	ug/L
cis-1,3-Dichloropropene	ND	5.6	ug/L
trans-1,3-Dichloropropene	ND	5.6	ug/L
1,4-Dioxane	ND	280	ug/L
Ethylbenzene	ND	5.6	ug/L
Ethyl methacrylate	ND	5.6	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW026/091304

GC/MS Volatiles

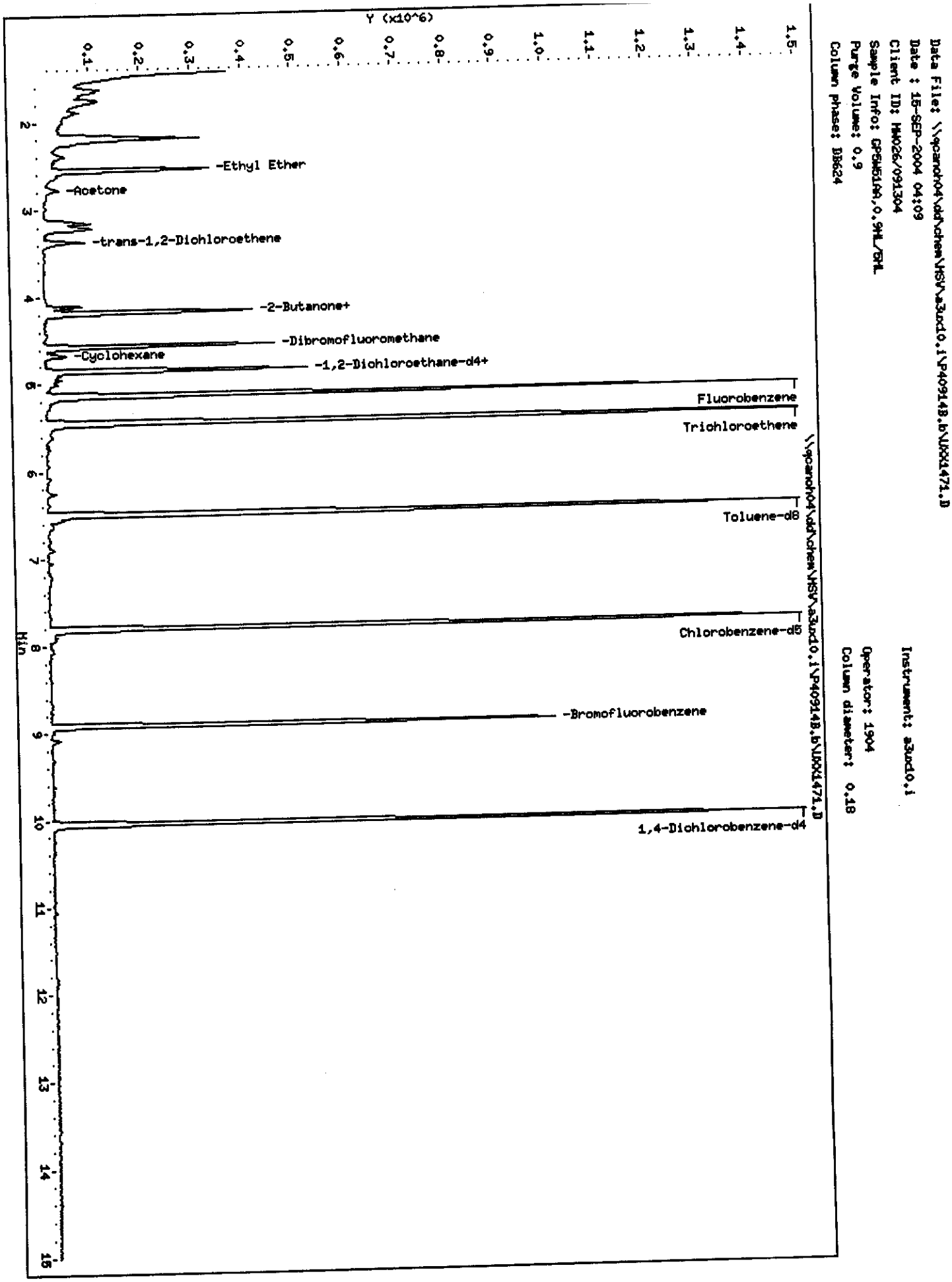
Lot-Sample #...: A4I140148-001 **Work Order #...:** GP5W51AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	56	ug/L
Iodomethane	ND	5.6	ug/L
Isobutanol	ND	280	ug/L
Methacrylonitrile	ND	11	ug/L
Methylene chloride	ND	5.6	ug/L
Methyl methacrylate	ND	11	ug/L
4-Methyl-2-pentanone	ND	56	ug/L
Propionitrile	ND	22	ug/L
Styrene	ND	5.6	ug/L
1,1,1,2-Tetrachloroethane	ND	5.6	ug/L
1,1,2,2-Tetrachloroethane	ND	5.6	ug/L
Tetrachloroethene	ND	5.6	ug/L
Toluene	ND	5.6	ug/L
1,1,1-Trichloroethane	ND	5.6	ug/L
1,1,2-Trichloroethane	ND	5.6	ug/L
Trichloroethene	**100**	**5.6**	**ug/L**
Trichlorofluoromethane	ND	5.6	ug/L
1,2,3-Trichloropropane	ND	5.6	ug/L
Vinyl acetate	ND	11	ug/L
Vinyl chloride	ND	5.6	ug/L
Xylenes (total)	ND	11	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
Toluene-d8	104	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 15-SEP-2004 04:09
Client ID: MW026/091304
Sample Info: GP5W51AA,0.9ML/5ML
Purge Volume: 0.9
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Ethyl Ether
-Acetone
-trans-1,2-Dichloroethene
-2-Butanone+
-Dibromofluoromethane
-Cyclohexane
-1,2-Dichloroethane-d4+
Fluorobenzene
Trichloroethene
Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1471.D
Report Date: 15-Sep-2004 12:01

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1471.D
Lab Smp Id: GP5W51AA Client Smp ID: MW026/091304
Inj Date : 15-SEP-2004 04:09
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GP5W51AA,0.9ML/5ML
Misc Info : P40914B,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\8260LLUX10.m
Meth Date : 15-Sep-2004 11:51 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 48
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.900	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.134	5.135	(1.000)	1543671	50.0000	
* 2 Chlorobenzene-d5	117	7.808	7.809	(1.000)	1133420	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.044	10.045	(1.000)	543140	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.567	(0.889)	293820	50.7469	56.385
$ 5 1,2-Dichloroethane-d4	65	4.850	4.851	(0.945)	379716	47.5662	52.851
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	1217883	52.1463	57.940
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	434874	47.9293	53.255
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.767	2.768	(0.539)	36447	6.61167	7.346
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1471.D
Report Date: 15-Sep-2004 12:01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	3.371	3.371	(0.657)	12821	1.89840	2.109
	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	4.175	4.176	(0.813)	19150	2.96638	3.296
M	31 1,2-Dichloroethene (total)	96				214052	29.5198	32.800
	32 cis-1,2-dichloroethene	96	4.175	4.176	(0.813)	201231	27.6214	30.690
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.921	4.910	(0.959)	30614	1.05070	1.167
	42 Trichloroethene	130	5.453	5.454	(1.062)	699440	91.6305	101.81
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1471.D
Report Date: 15-Sep-2004 12:01

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.543	2.544	(0.495)	232189	29.1519	32.391
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.661	4.673	(0.908)	22169	2.09302	2.326
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qoanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1471.D

Date : 15-SEP-2004 04:09

Client ID: MW026/091304

Sample Info: GP5W51AA,0.9ML/5ML

Purge Volume: 0.9

Column phase: DB624

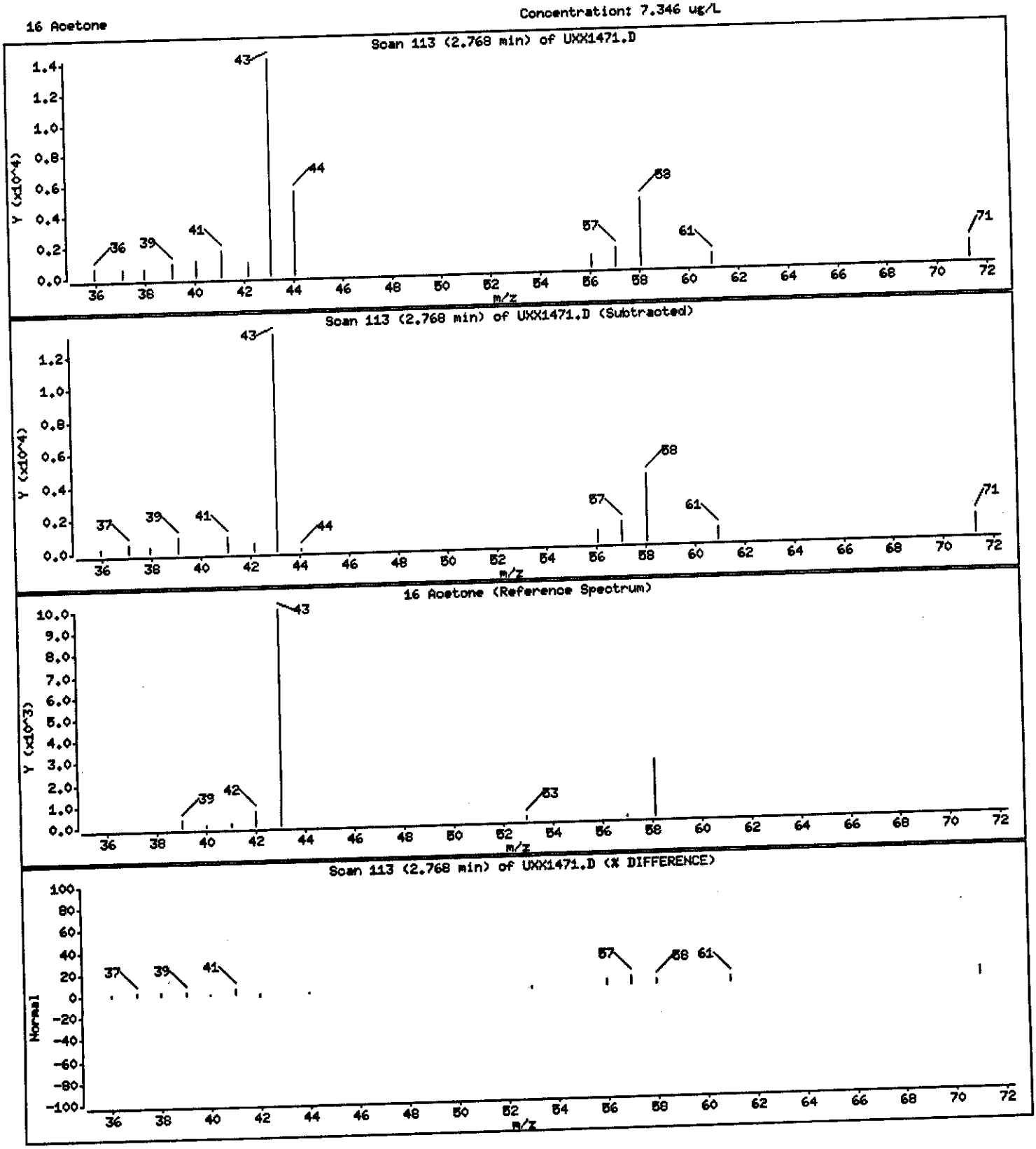
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 7.346 ug/L

16 Acetone



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Date : 15-SEP-2004 04:09

Client ID: MW026/091304

Sample Info: GP5W51AA,0.9ML/5ML

Purge Volume: 0.9

Column phase: DB624

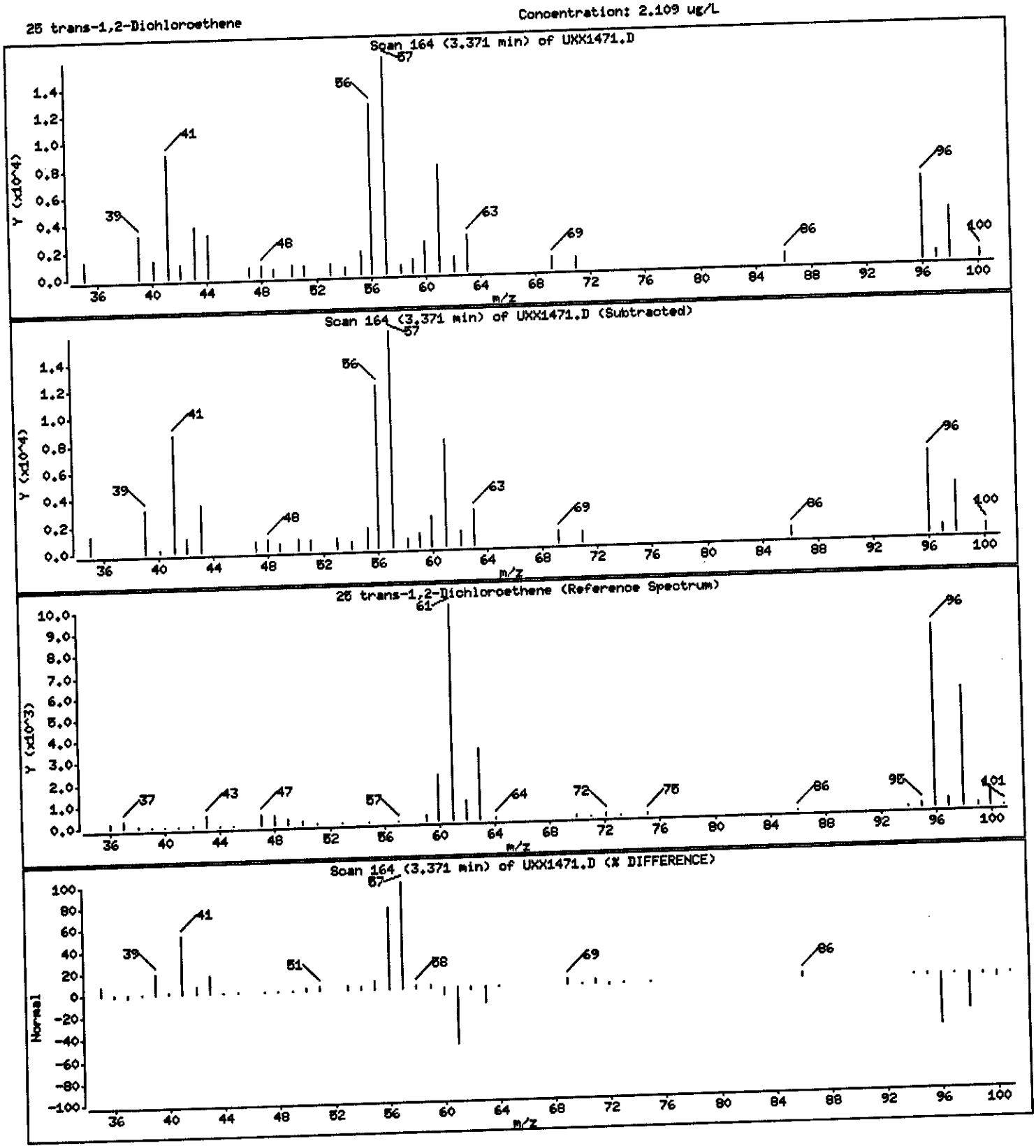
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 2.109 ug/L

25 trans-1,2-Dichloroethene



Data File: \\qoanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1471.D

Date : 15-SEP-2004 04:09

Client ID: MW026/091304

Instrument: a3ux10.i

Sample Info: GP5W51AA,0.9ML/5ML

Purge Volume: 0.9

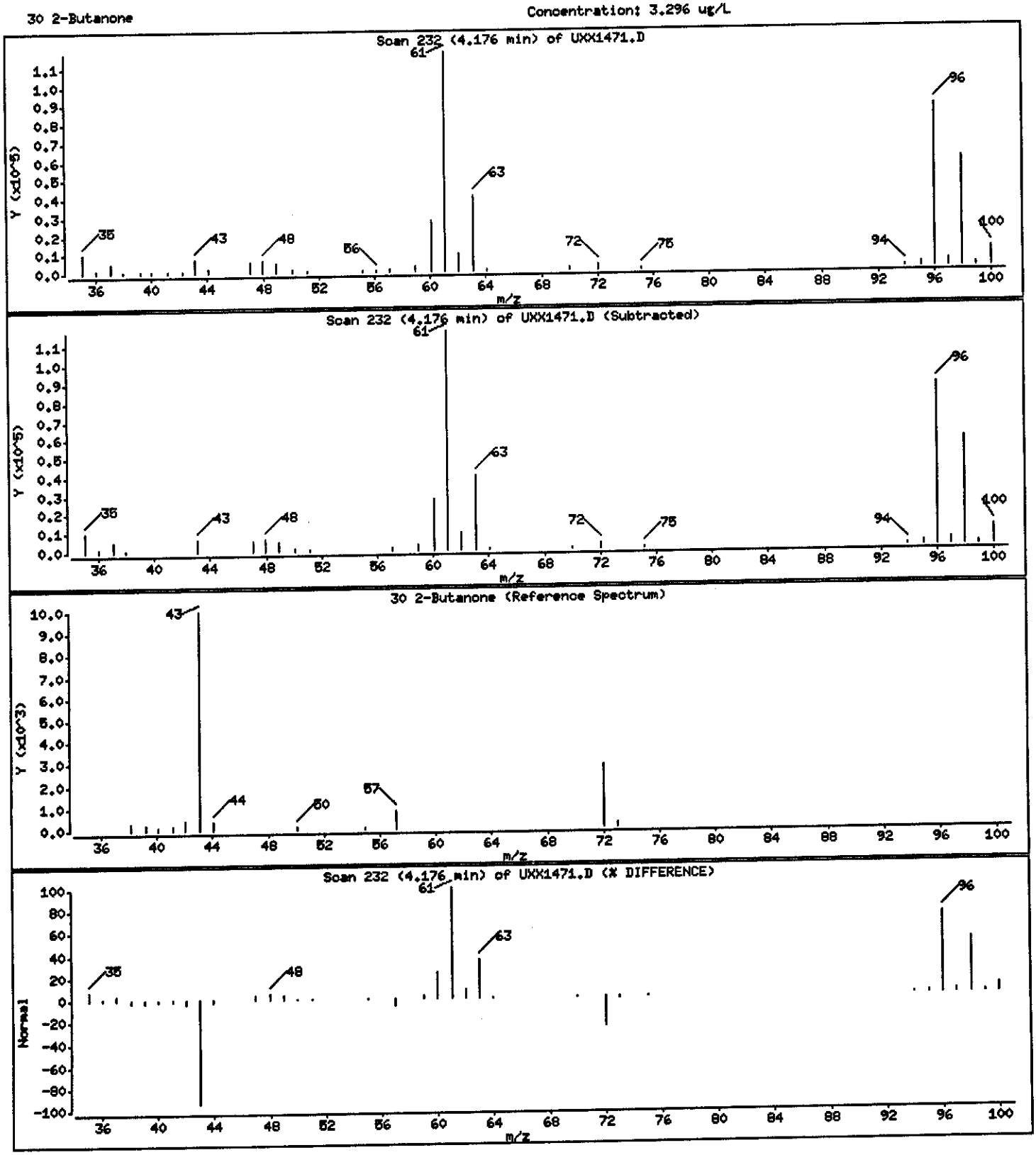
Operator: 1904

Column phase: DB624

Column diameter: 0.18

30 2-Butanone

Concentration: 3.296 ug/L



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Date : 15-SEP-2004 04:09

Client ID: MW026/091304

Instrument: a3ux10.i

Sample Info: GP5W51AA,0.9ML/5ML

Purge Volume: 0.9

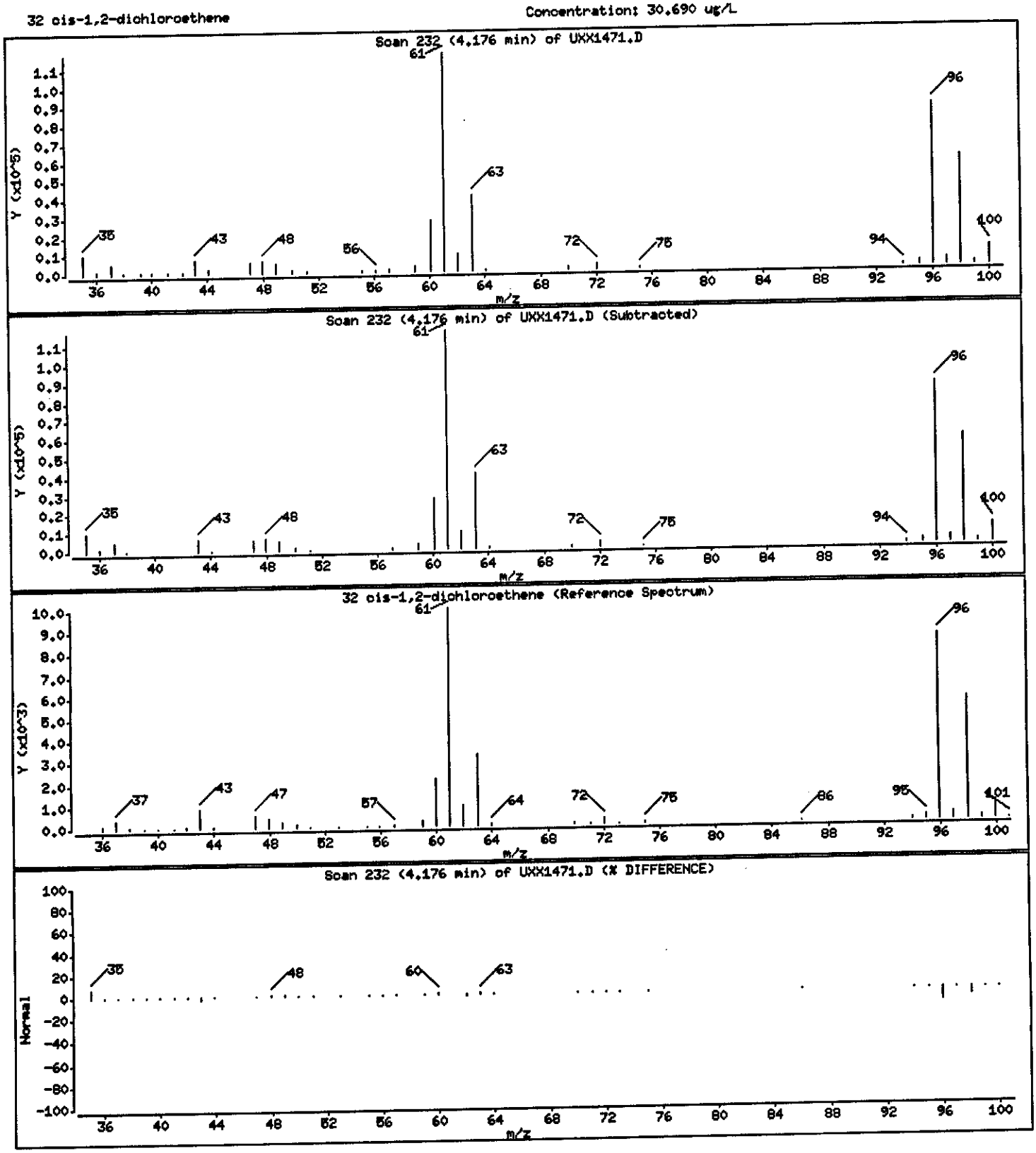
Operator: 1904

Column phase: DB624

Column diameter: 0.18

32 cis-1,2-dichloroethene

Concentration: 30.690 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1471.D

Date : 15-SEP-2004 04:09

Client ID: MW026/091304

Sample Info: GP5W51AA,0.9ML/5ML

Purge Volume: 0.9

Column phase: DB624

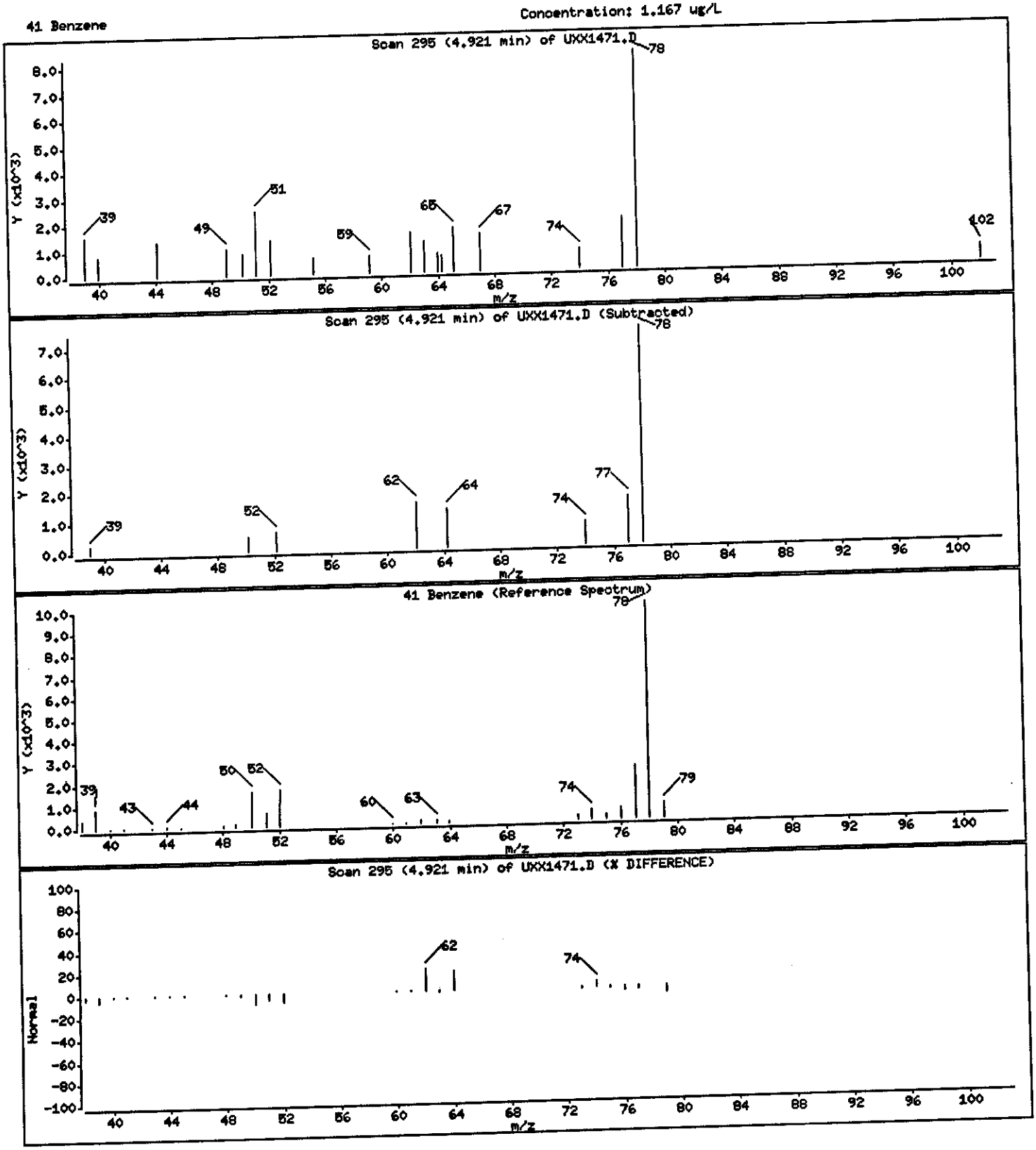
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 1.167 ug/L

41 Benzene



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1471.D

Date : 15-SEP-2004 04:09

Client ID: MW026/091304

Sample Info: CP5W51AA,0.9ML/5ML

Purge Volume: 0.9

Column phase: DB624

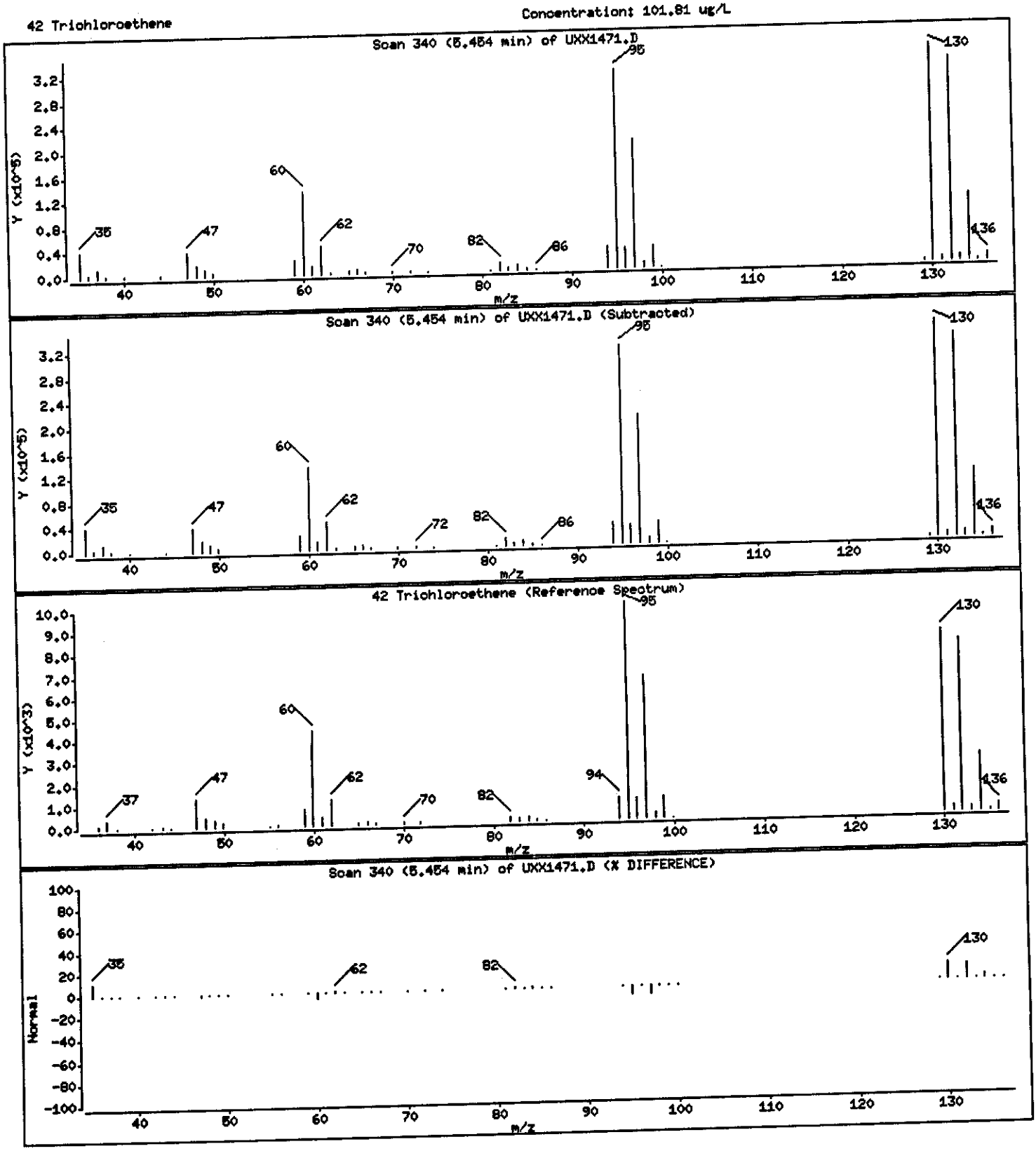
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 101.81 ug/L

42 Trichloroethene



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Date : 15-SEP-2004 04:09

Client ID: MW026/091304

Instrument: a3ux10.i

Sample Info: GP5W51AA,0.9ML/5ML

Operator: 1904

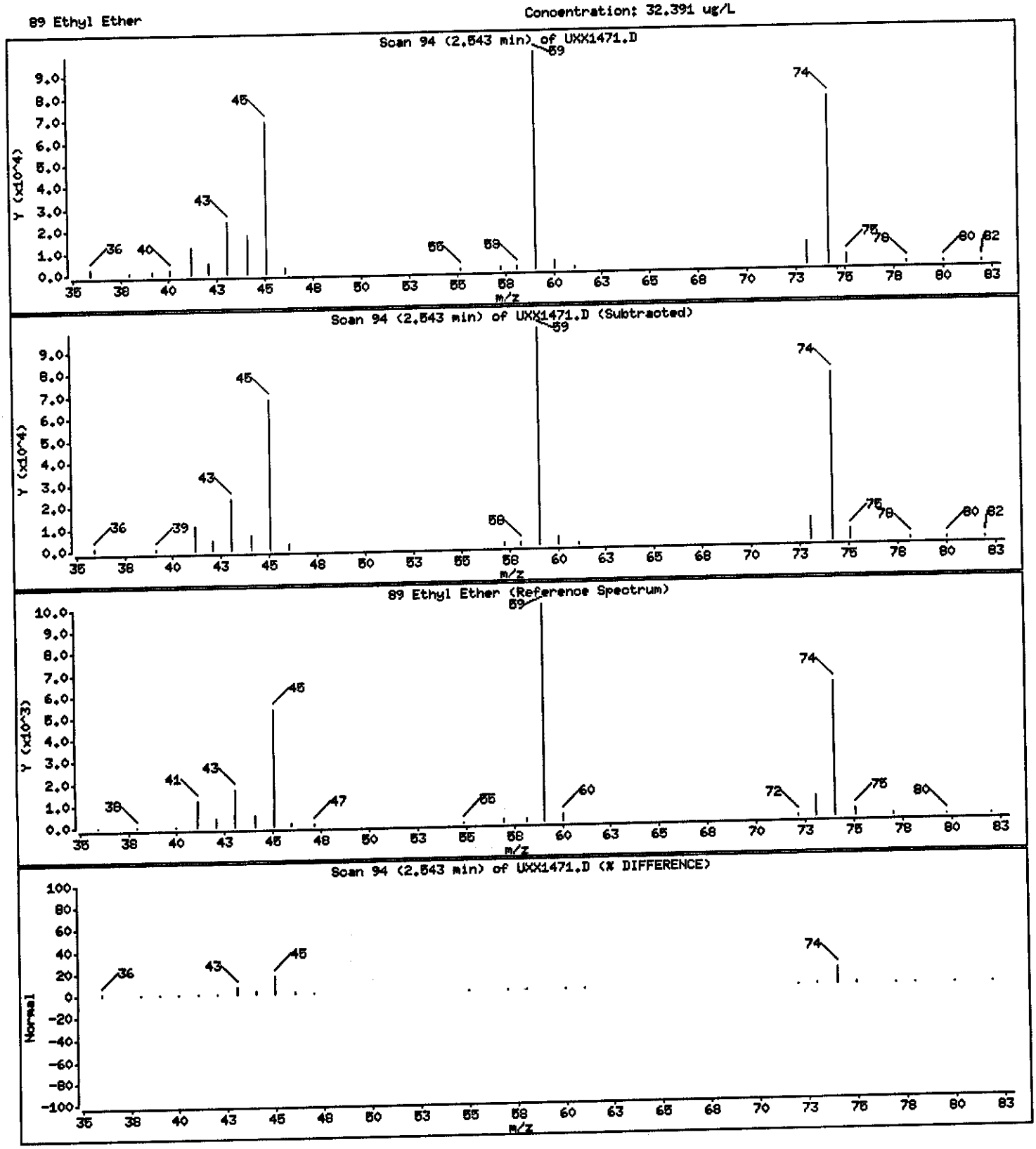
Purge Volume: 0.9

Column phase: DB624

Column diameter: 0.18

Concentration: 32.391 ug/L

89 Ethyl Ether



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Date : 15-SEP-2004 04:09

Client ID: MW026/091304

Instrument: a3ux10.i

Sample Info: GP5W51AA,0.9ML/5ML

Purge Volume: 0.9

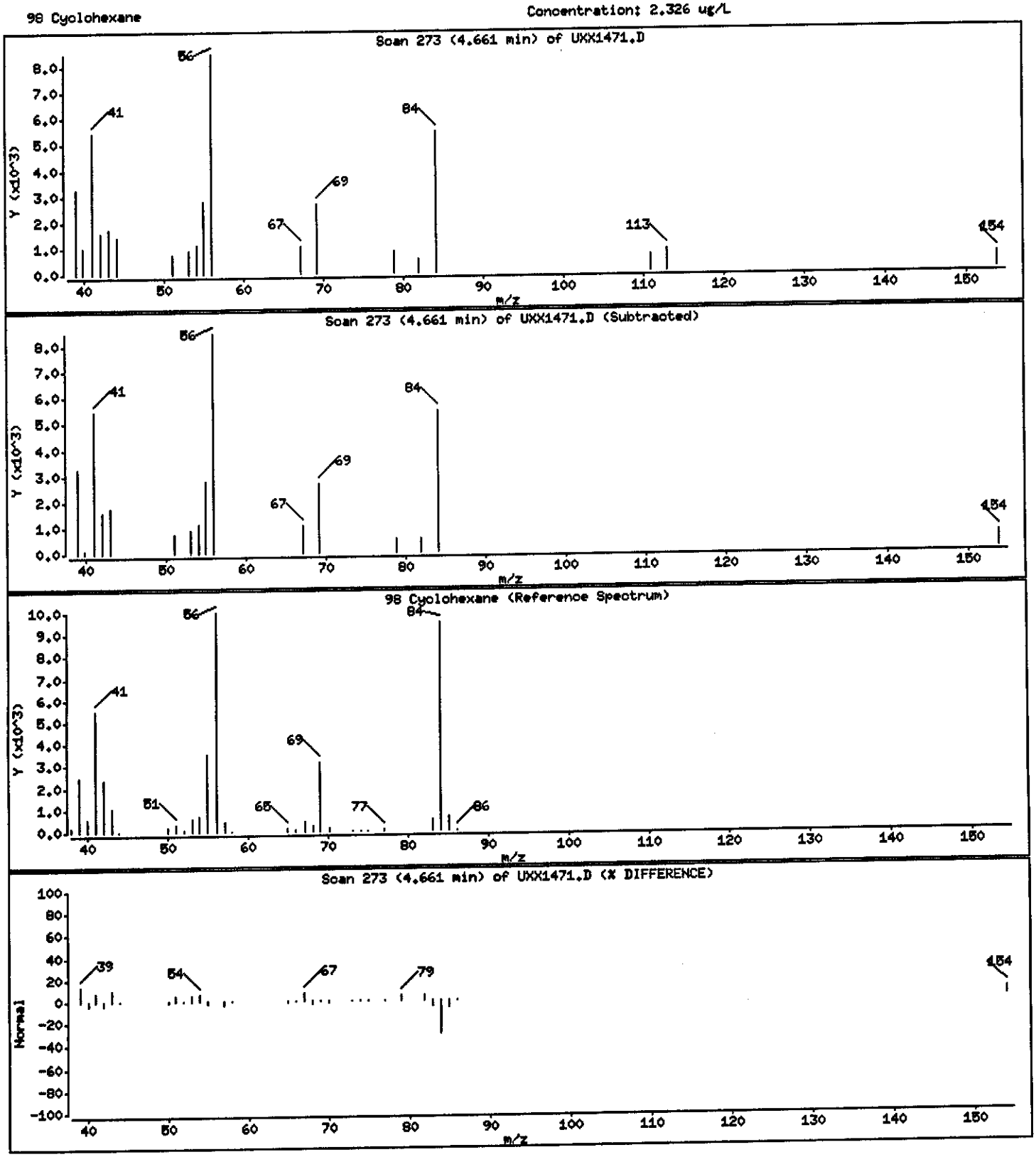
Operator: 1904

Column phase: DB624

Column diameter: 0.18

98 Cyclohexane

Concentration: 2.326 ug/L



PAYNE FIRM INC.

Client Sample ID: MW026/091304

GC/MS Volatiles

Lot-Sample #...: A4I140148-001 **Work Order #...:** GP5W52AA **Matrix.....:** WG
Date Sampled...: 09/13/04 10:55 **Date Received..:** 09/14/04
Prep Date.....: 09/15/04 **Analysis Date..:** 09/15/04
Prep Batch #...: 4259300
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	**0.48 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	**2.9 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	**0.72 J**	**1.0**	**ug/L**
cis-1,2-Dichloroethene	**42 E**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	**3.0**	**1.0**	**ug/L**
1,1-Dichloroethene	**0.37 J**	**1.0**	**ug/L**
1,2-Dichloroethene (total)	**45 E**	**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	**49 J**	**50**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW026/091304

GC/MS Volatiles

Lot-Sample #...: A4I140148-001 **Work Order #...:** GP5W52AA **Matrix.....:** WG

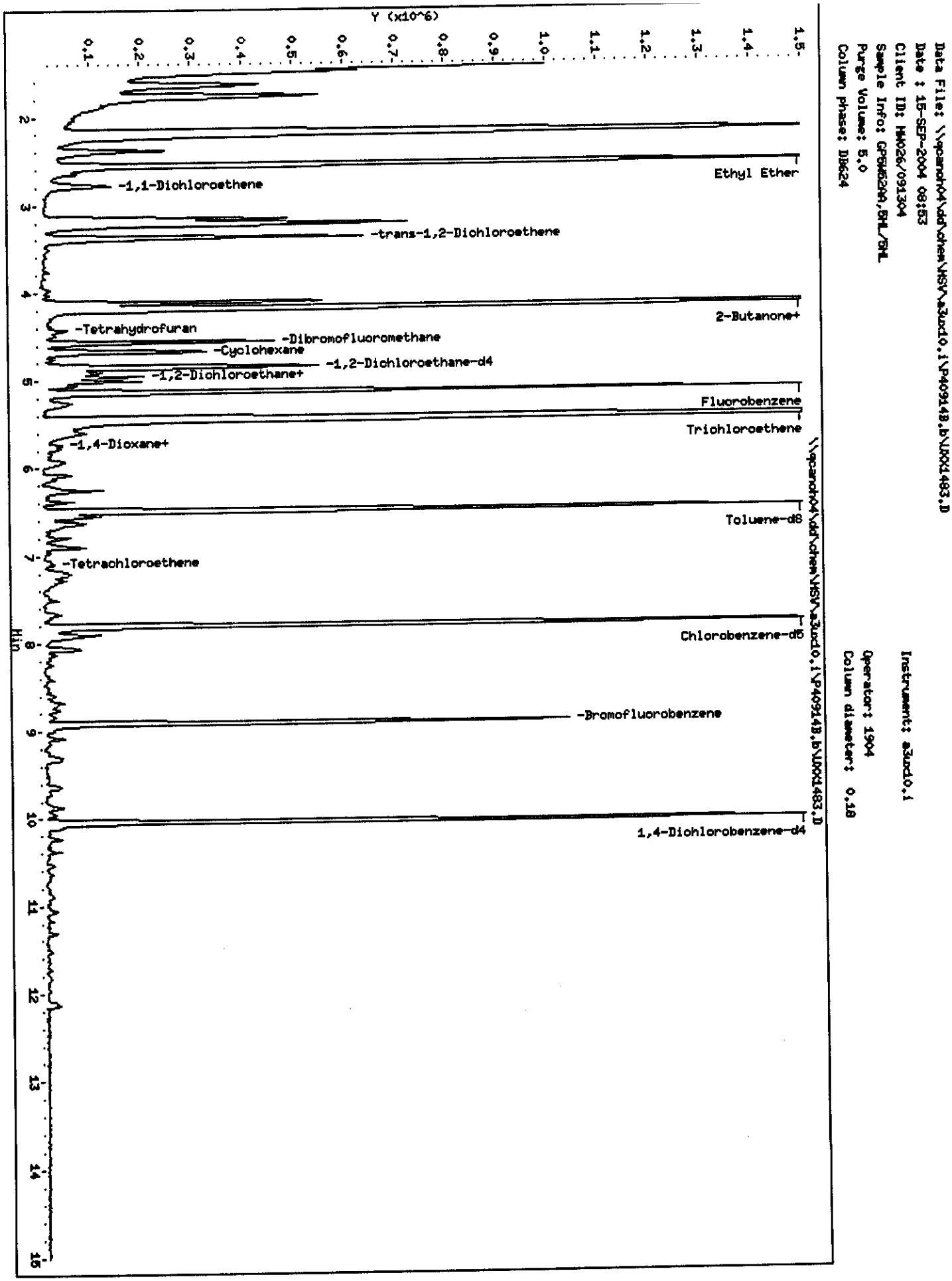
PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**140 E**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.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Date : 15-SEP-2004 08:53
Client ID: HW026/091304
Sample Info: GP5W52AA,5HL/5HL
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
Ethyl Ether
-1,1-Dichloroethene
-trans-1,2-Dichloroethene
2-Butanone+
-Tetrahydrofuran
-Dibromofluoromethane
-Cyclohexane
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-1,4-Dioxane+
Toluene-d8
-Tetrachloroethene
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1483.D
Report Date: 15-Sep-2004 12:50

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1483.D
Lab Smp Id: GP5W52AA Client Smp ID: MW026/091304
Inj Date : 15-SEP-2004 08:53
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GP5W52AA,5ML/5ML
Misc Info : P40914B,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\8260LLUX10.m
Meth Date : 15-Sep-2004 11:51 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	1494663	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.809	(1.000)	1107485	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.045	(1.000)	526751	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.567	(0.889)	279357	49.8309	9.966
$ 5 1,2-Dichloroethane-d4	65	4.851	4.851	(0.945)	374155	48.4064	9.681
$ 6 Toluene-d8	98	6.496	6.495	(0.832)	1165479	51.0711	10.214
$ 7 Bromofluorobenzene	95	8.910	8.909	(1.141)	429862	48.4863	9.697
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	2.757	2.780	(0.537)	10828	1.84676	0.3694
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1483.D
Report Date: 15-Sep-2004 12:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)	
	19 Iodomethane	142	Compound Not Detected.						
	20 Carbon Disulfide	76	Compound Not Detected.						
	21 Methylene Chloride	84	Compound Not Detected.						
	22 Acetonitrile	41	Compound Not Detected.						
	23 Acrylonitrile	53	Compound Not Detected.						
	24 Methyl tert-butyl ether	73	Compound Not Detected.						
	25 trans-1,2-Dichloroethene	96	3.372	3.371	(0.657)	98888	15.1224	3.024	
	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	4.177	4.176	(0.813)	91771	14.6817	2.936	
M	31 1,2-Dichloroethene (total)	96				1572459	224.020	44.804	
	32 cis-1,2-dichloroethene	96	4.177	4.176	(0.813)	1473571	208.897	41.779(A)	ε
	33 2,2-Dichloropropane	77	Compound Not Detected.						
	34 Bromochloromethane	128	Compound Not Detected.						
	35 Chloroform	83	Compound Not Detected.						
	36 Tetrahydrofuran	42	4.425	4.425	(0.862)	32001	8.86046	1.772	
	37 1,1,1-Trichloroethane	97	Compound Not Detected.						
	38 1,1-Dichloropropene	75	Compound Not Detected.						
	39 Carbon Tetrachloride	117	Compound Not Detected.						
	40 1,2-Dichloroethane	62	4.910	4.910	(0.956)	34897	3.58605	0.7172	
	41 Benzene	78	4.910	4.910	(0.956)	67100	2.37844	0.4757	
	42 Trichloroethene	130	5.455	5.454	(1.062)	5096124	689.510	137.90(A)	ε
	43 1,2-Dichloropropane	63	Compound Not Detected.						
	44 1,4-Dioxane	88	5.739	5.738	(1.118)	27437	242.608	48.522(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	7.052	7.063	(0.903)	3816	0.71068	0.1421	
	56 2-Hexanone	43	Compound Not Detected.						
	57 Dibromochloromethane	129	Compound Not Detected.						
	58 1,2-Dibromoethane	107	Compound Not Detected.						
	59 Chlorobenzene	112	Compound Not Detected.						
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	61 Ethylbenzene	106	Compound Not Detected.						
	62 m + p-Xylene	106	Compound Not Detected.						
M	63 Xylenes (total)	106	Compound Not Detected.						
	64 Xylene-o	106	Compound Not Detected.						
	65 Styrene	104	Compound Not Detected.						

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1483.D
Report Date: 15-Sep-2004 12:50

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	2.544	(0.495)	1333020	172.851	34.570
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.674	4.673	(0.910)	170970	16.6709	3.334
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.620	5.632	(1.094)	17020	1.77414	0.3548
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qoanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1483.D

Date : 15-SEP-2004 08:53

Client ID: MW026/091304

Instrument: a3ux10.i

Sample Info: GP5W52AA,5ML/5ML

Purge Volume: 5.0

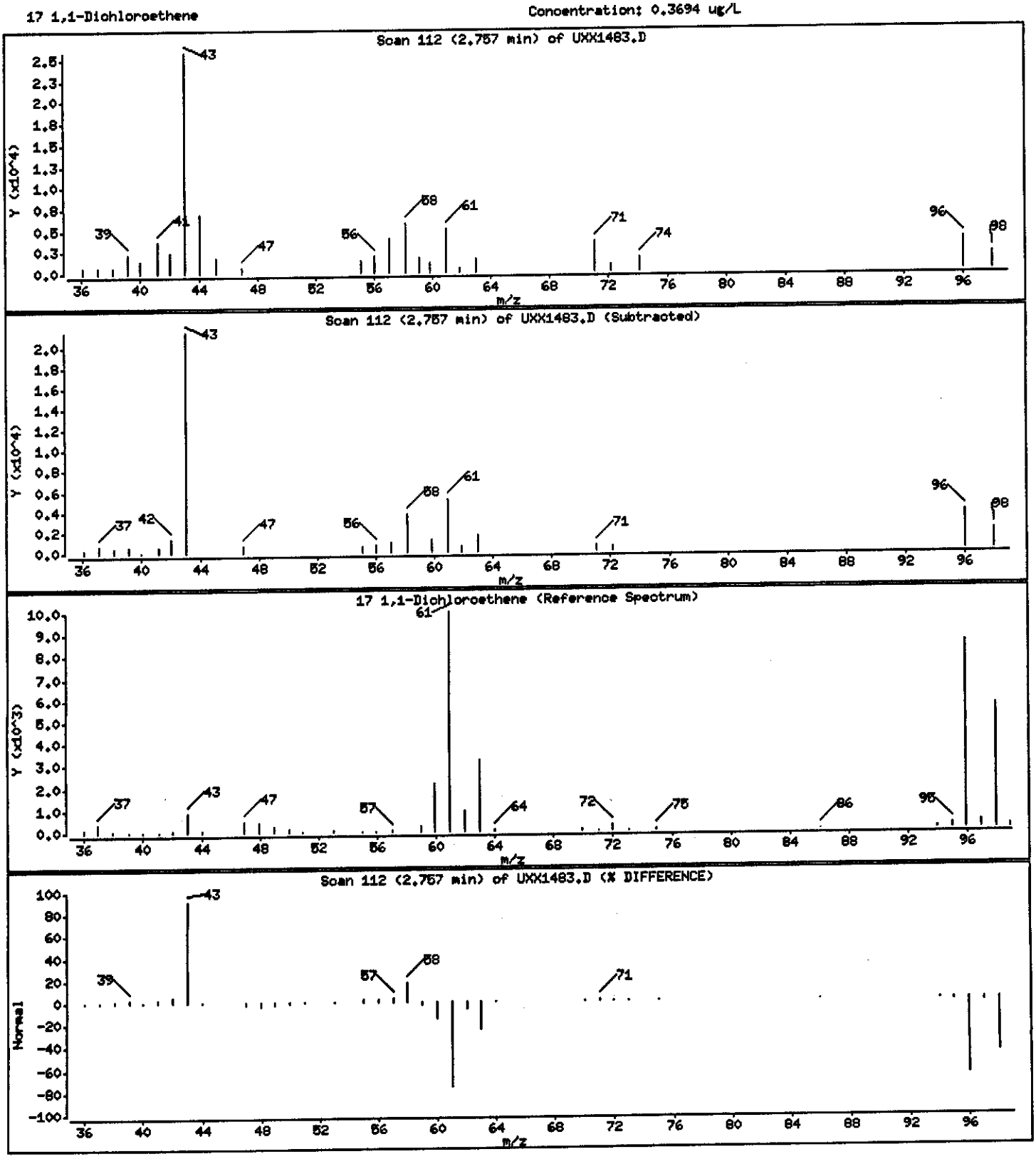
Operator: 1904

Column phase: DB624

Column diameter: 0.18

17 1,1-Dichloroethene

Concentration: 0.3694 ug/L



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Date : 15-SEP-2004 08:53

Client ID: MW026/091304

Instrument: a3ux10.i

Sample Info: GP5W52AA,5ML/5ML

Purge Volume: 5.0

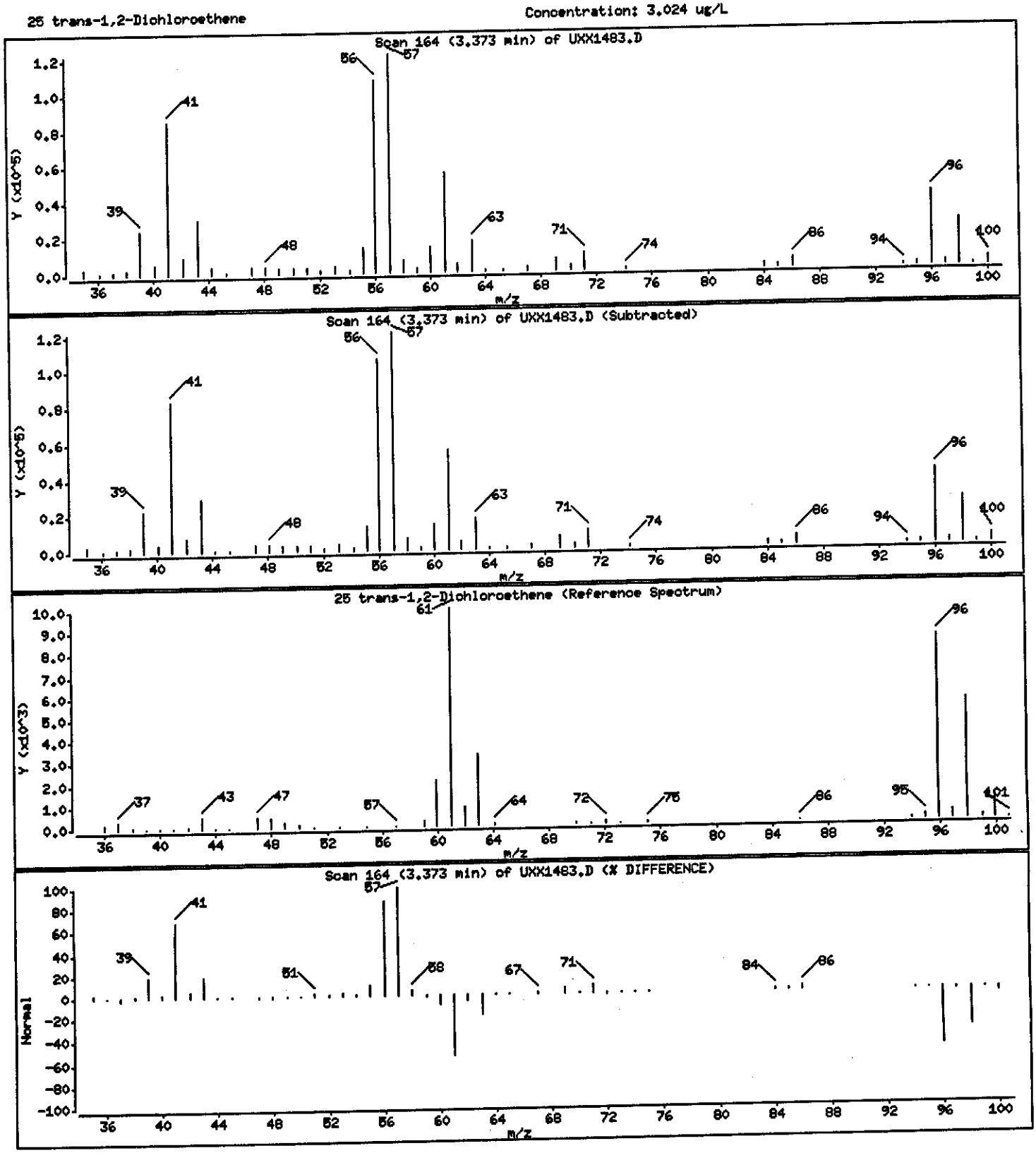
Operator: 1904

Column phase: DB624

Column diameter: 0.18

Concentration: 3.024 ug/L

25 trans-1,2-Dichloroethene



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Date : 15-SEP-2004 08:53

Client ID: MW026/091304

Sample Info: CP5W52AA,5ML/5ML

Purge Volume: 5.0

Column phase: DB624

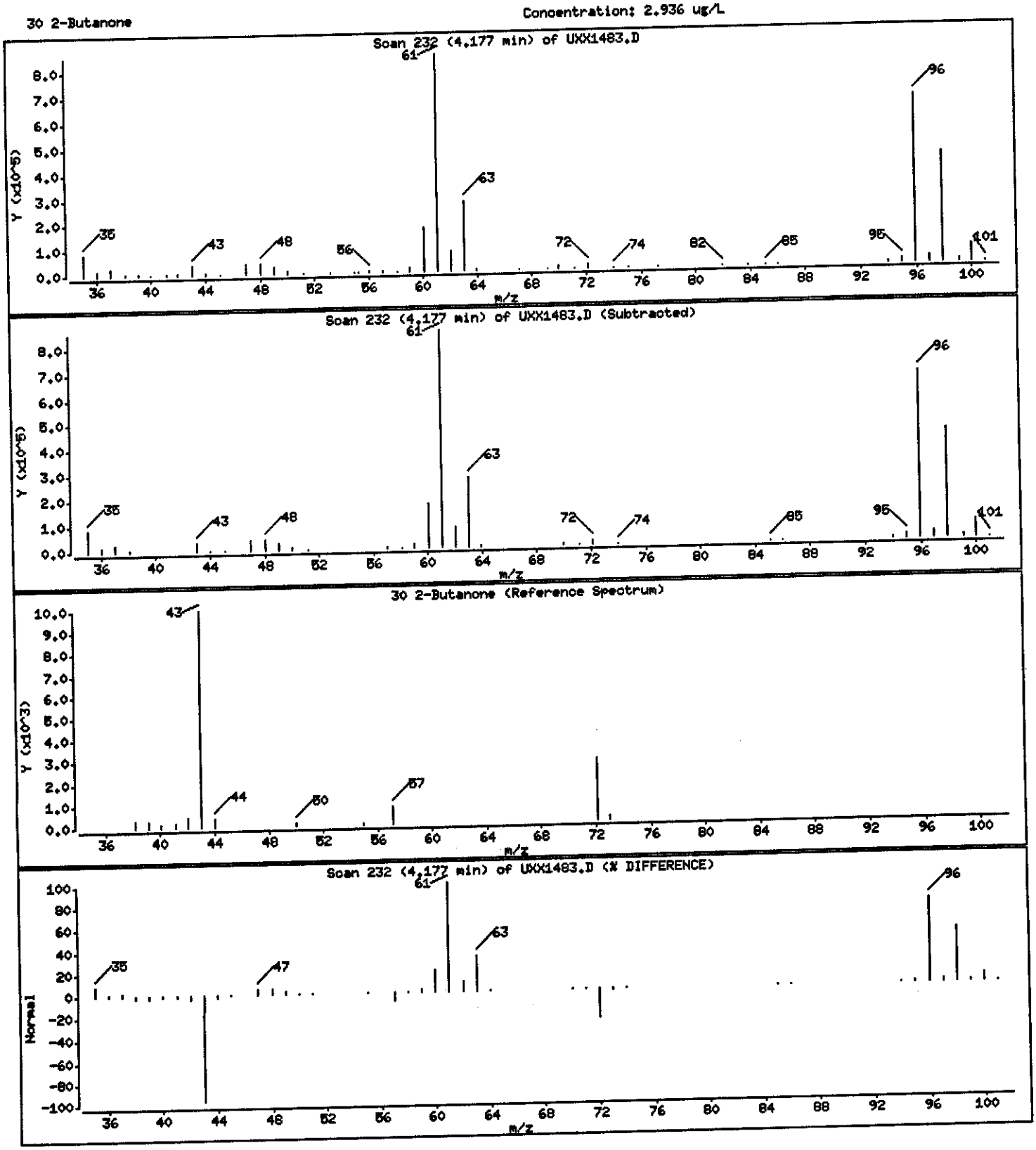
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 2.936 ug/L

30 2-Butanone



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Date : 15-SEP-2004 08:53

Client ID: MW026/091304

Instrument: a3ux10.i

Sample Info: GP5W52AA,5ML/5ML

Purge Volume: 5.0

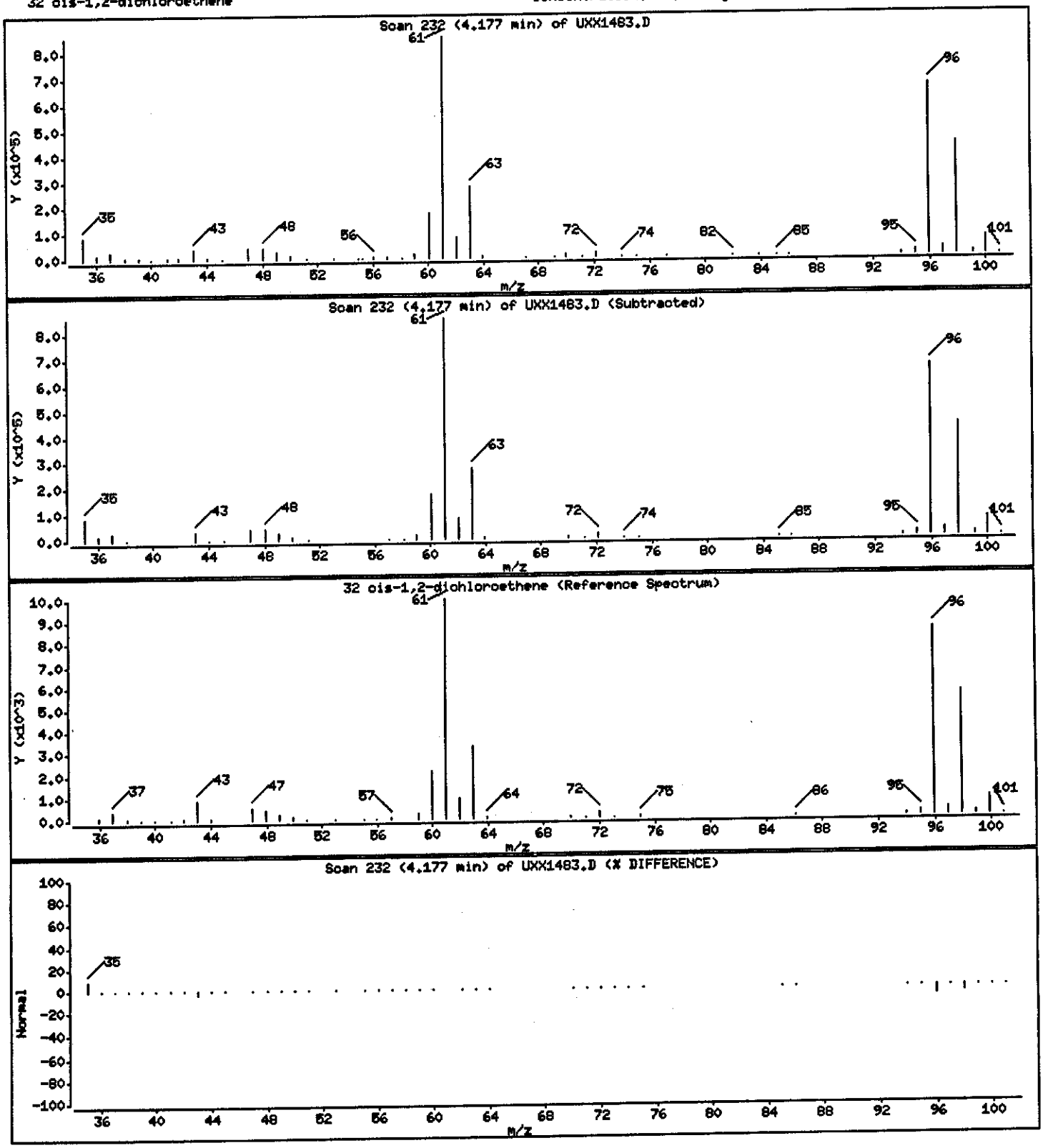
Operator: 1904

Column phase: DB624

Column diameter: 0.18

32 cis-1,2-dichloroethene

Concentration: 41.779 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1483.D

Date : 15-SEP-2004 08:53

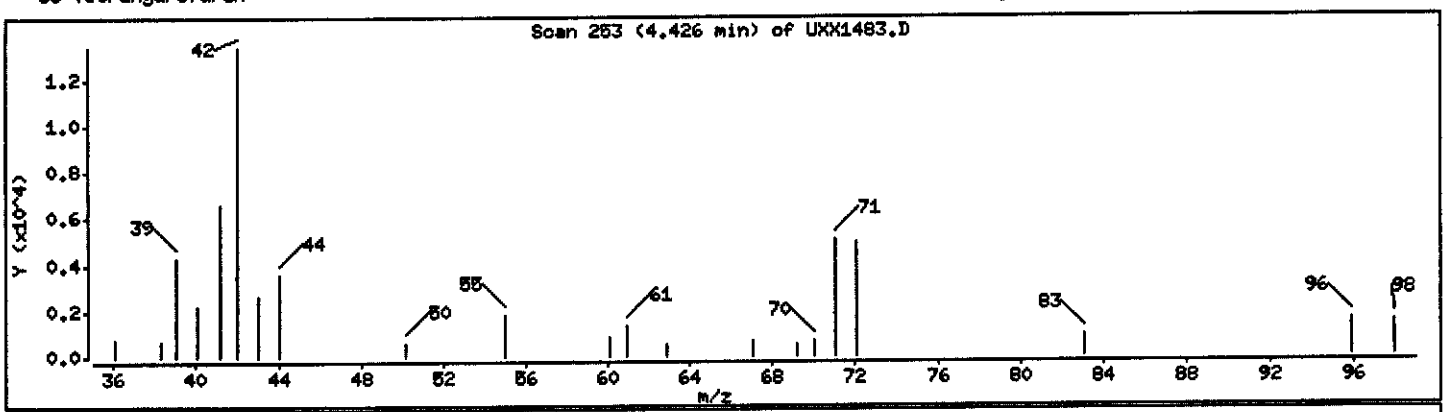
Client ID: MW026/091304 | Instrument: a3ux10.i

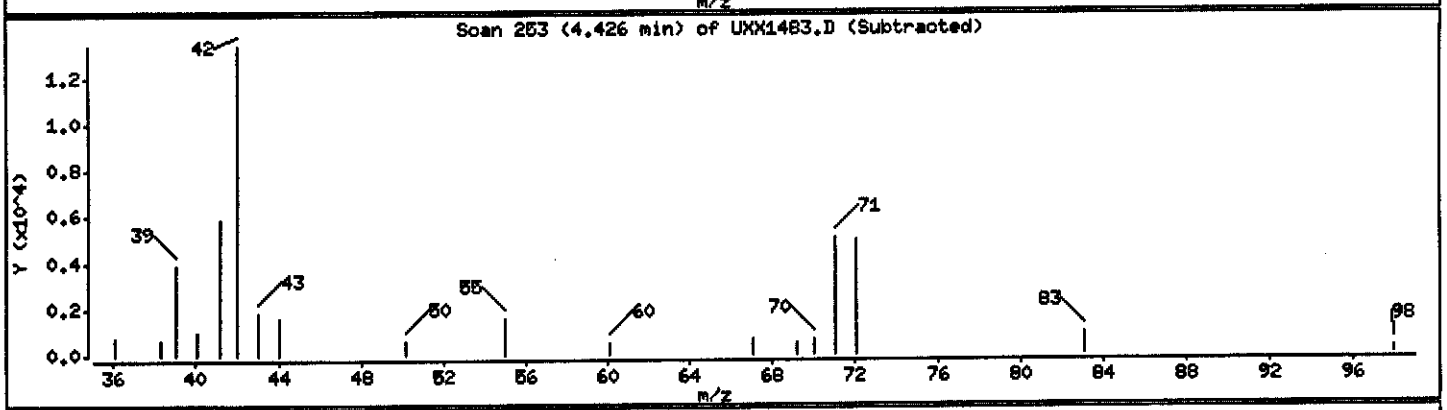
Sample Info: GP5W52AA,5ML/5ML

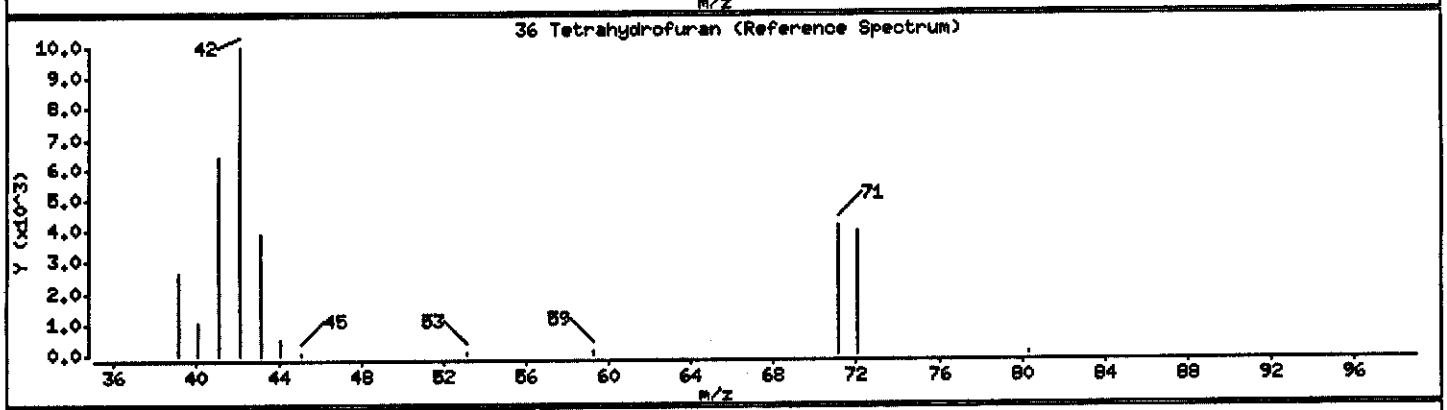
Purge Volume: 5.0 | Operator: 1904

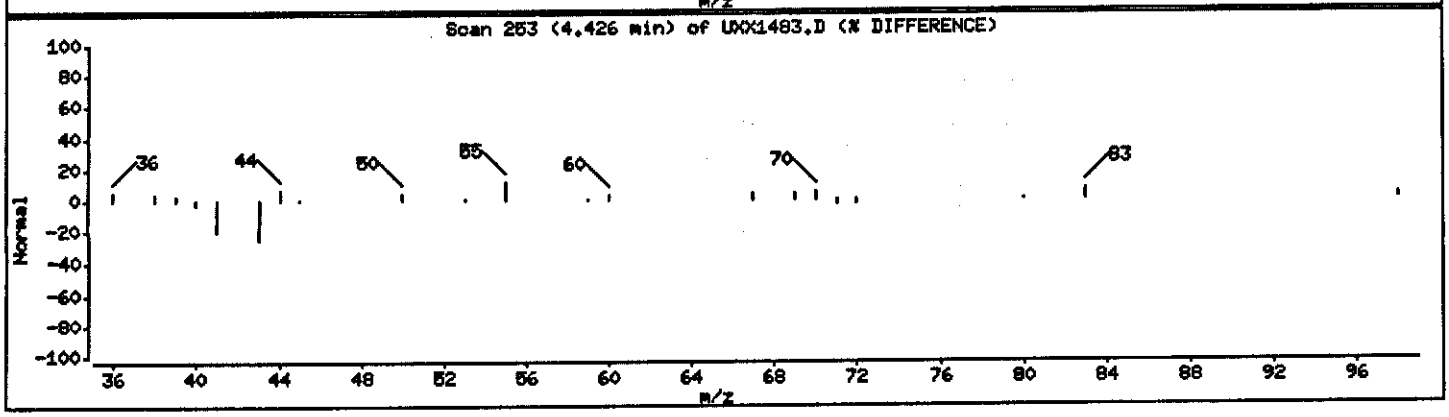
Column phase: DB624 | Column diameter: 0.18

36 Tetrahydrofuran | Concentration: 1.772 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1483.D

Date : 15-SEP-2004 08:53

Client ID: MW026/091304

Instrument: a3ux10.i

Sample Info: GP5W52AA,5ML/5ML

Purge Volume: 5.0

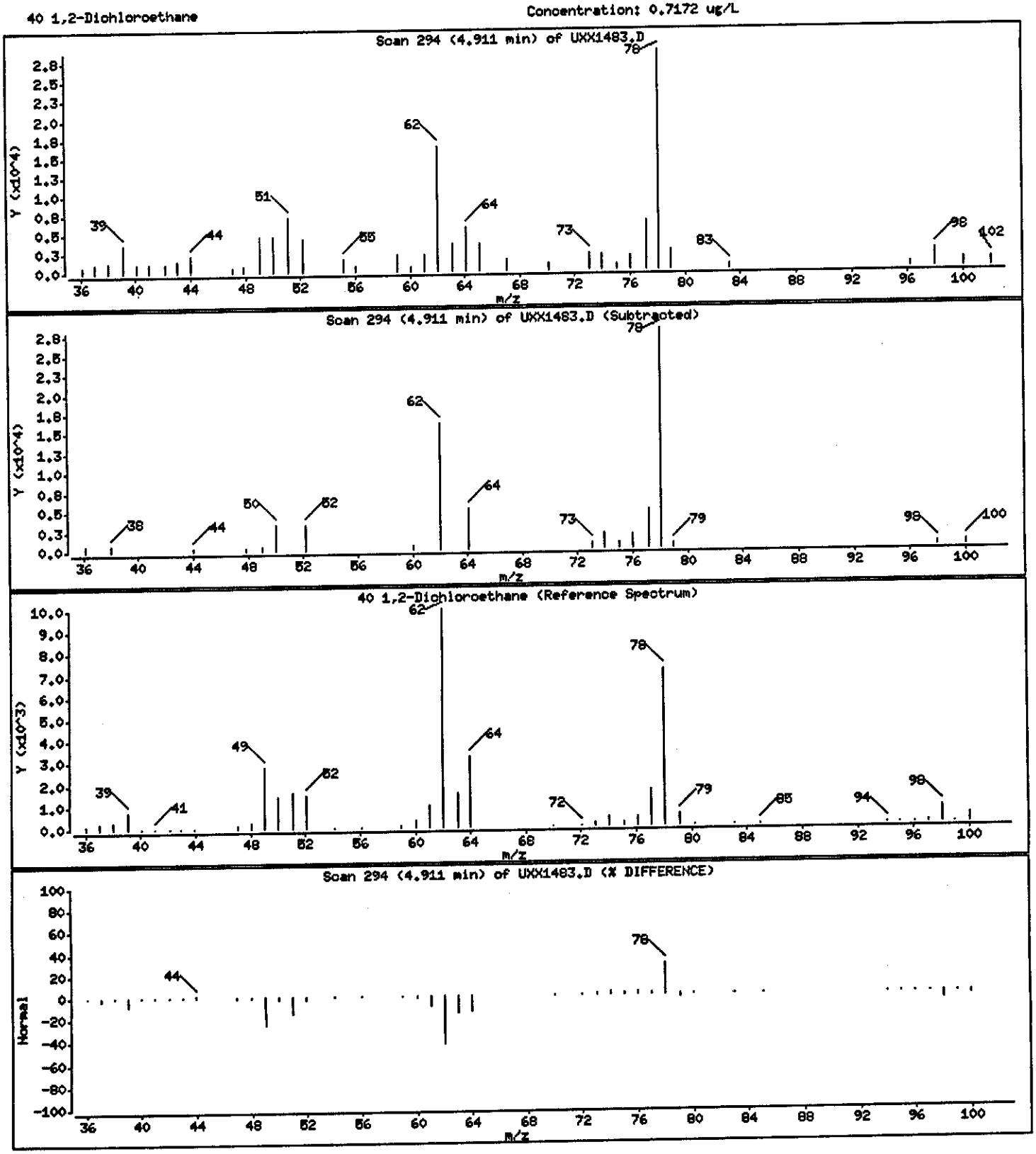
Operator: 1904

Column phase: DB624

Column diameter: 0.18

40 1,2-Dichloroethane

Concentration: 0.7172 ug/L



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Date : 15-SEP-2004 08:53

Client ID: MW026/091304

Sample Info: CP5W52AA,5ML/5ML

Purge Volume: 5.0

Column phase: DB624

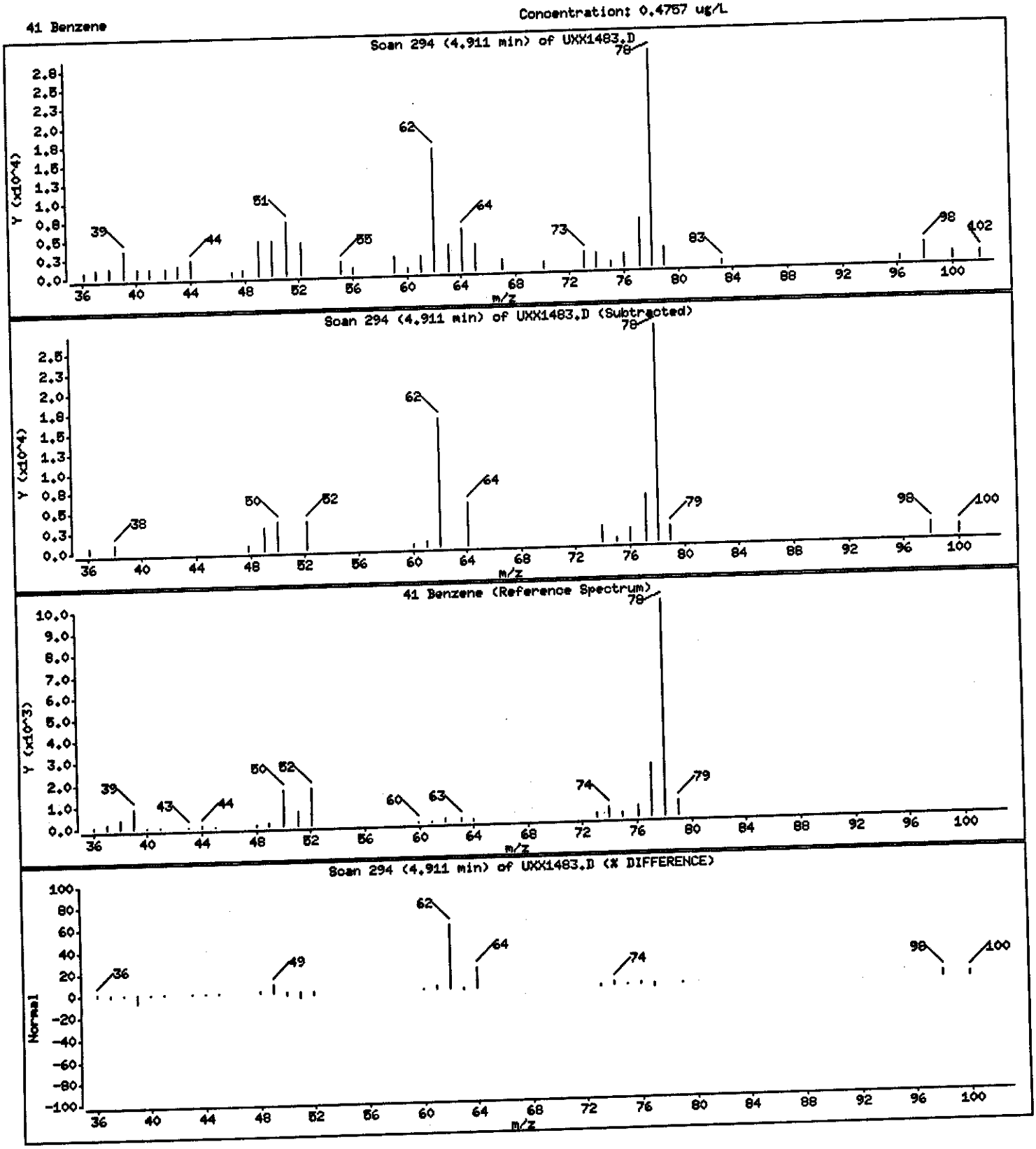
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 0.4767 ug/L

41 Benzene



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Date : 15-SEP-2004 08:53

Client ID: MW026/091304

Instrument: a3ux10.i

Sample Info: CP5W52AA,5ML/5ML

Purge Volume: 5.0

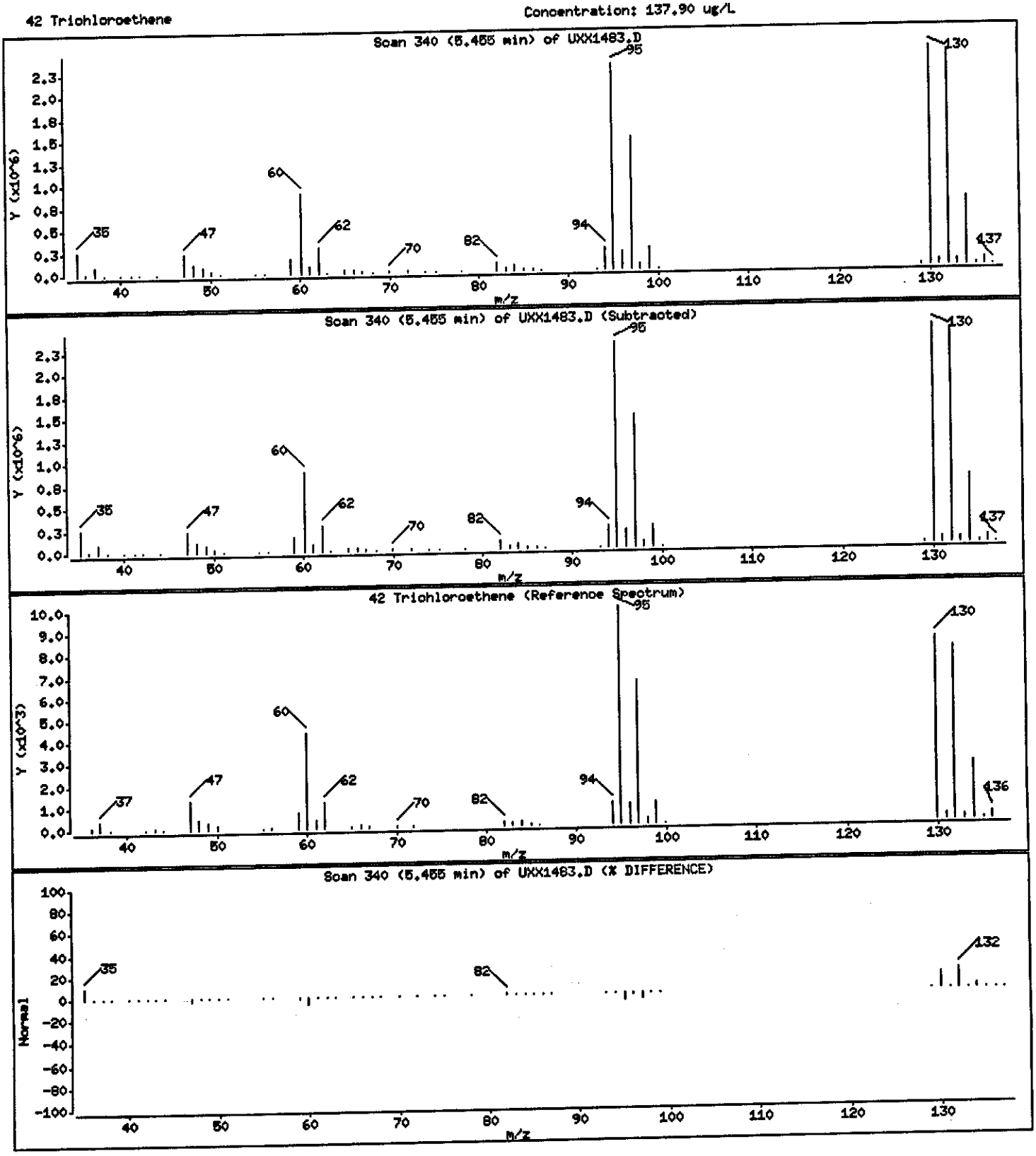
Operator: 1904

Column phase: DB624

Column diameter: 0.18

42 Trichloroethene

Concentration: 137.90 ug/L



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Date : 15-SEP-2004 08:53

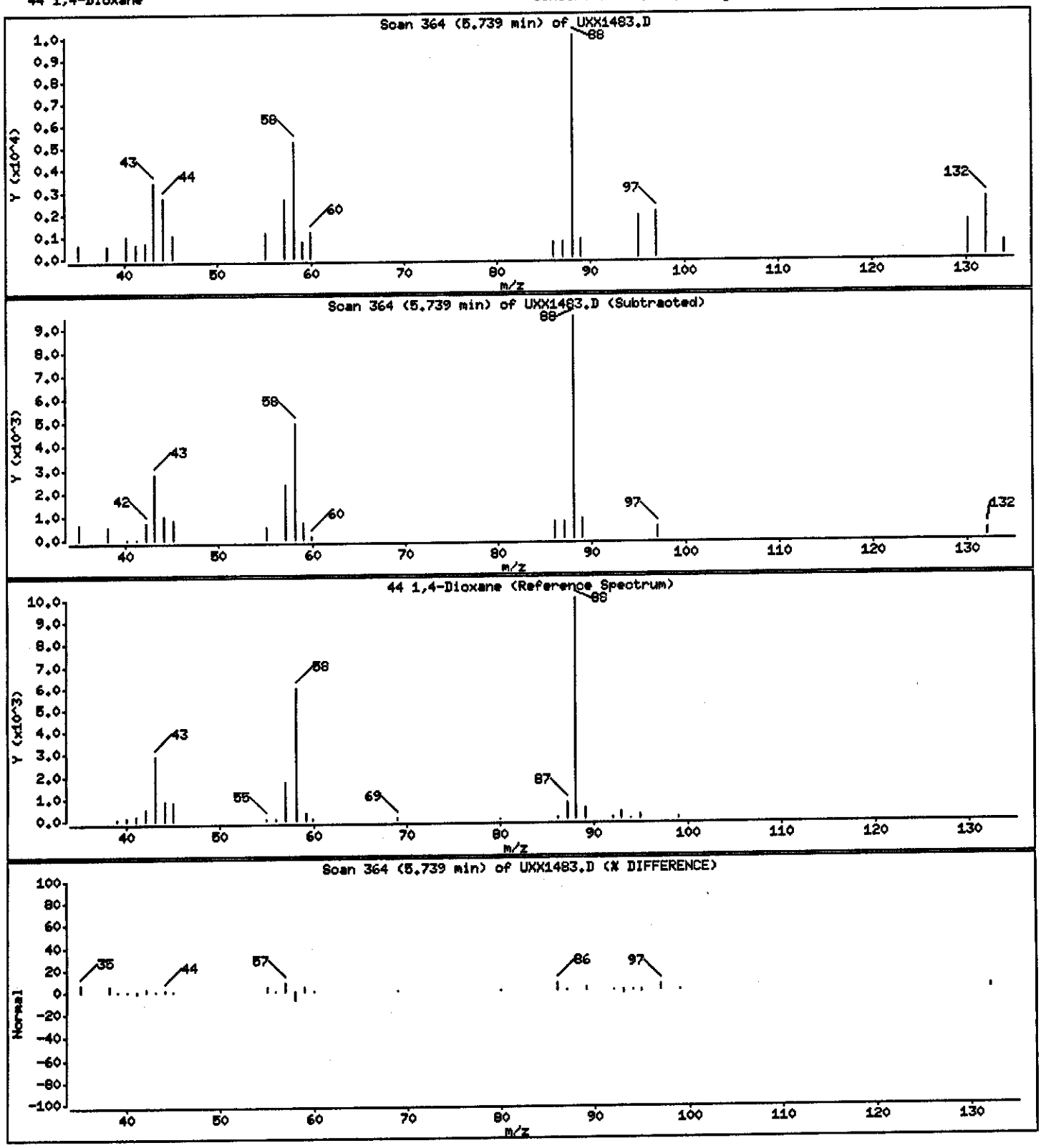
Client ID: MW026/091304 Instrument: a3ux10.i

Sample Info: GP5W52AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 48.522 ug/L



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Date : 15-SEP-2004 08:53

Client ID: MW026/091304

Instrument: a3ux10.i

Sample Info: GP5W52AA,5ML/5ML

Purge Volume: 5.0

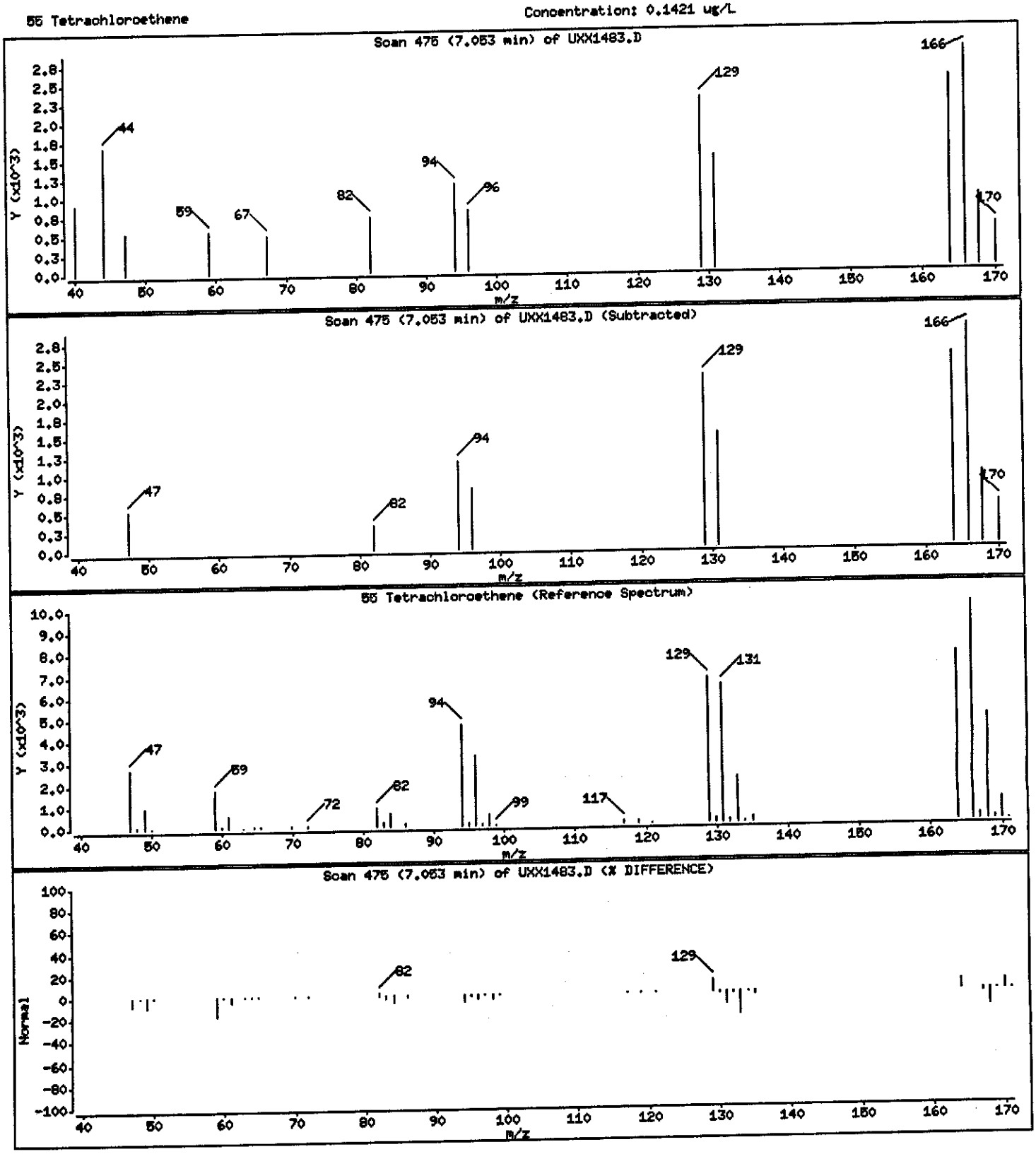
Operator: 1904

Column phase: DB624

Column diameter: 0.18

Concentration: 0.1421 ug/L

55 Tetrachloroethene



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Date : 15-SEP-2004 08:53

Client ID: MW026/091304

Sample Info: GP5W52AA,5ML/5ML

Purge Volume: 5.0

Column phase: DB624

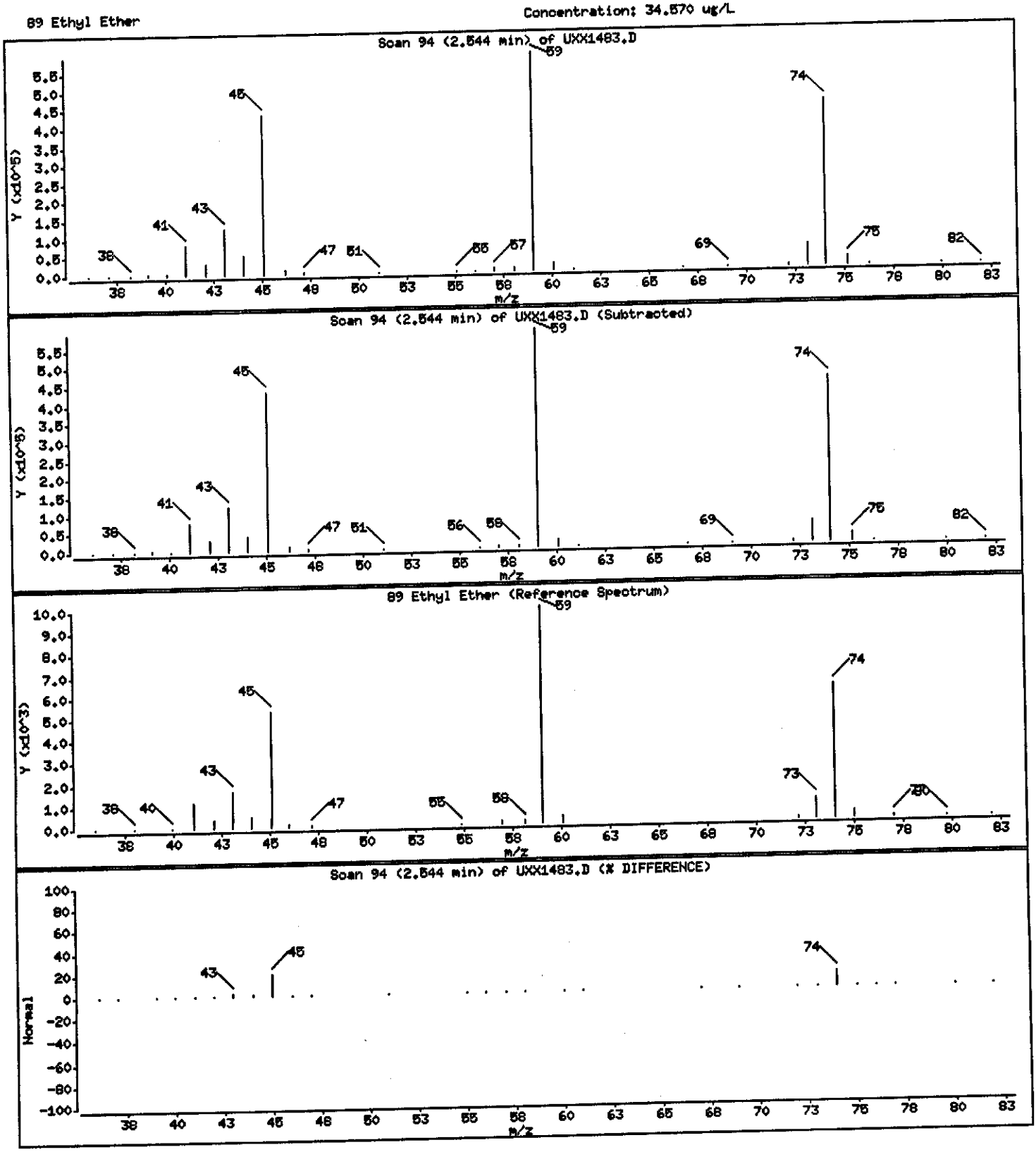
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 34.570 ug/L

89 Ethyl Ether



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Date : 15-SEP-2004 08:53

Client ID: MW026/091304

Instrument: a3ux10.i

Sample Info: GP5W52AA,5ML/5ML

Purge Volume: 5.0

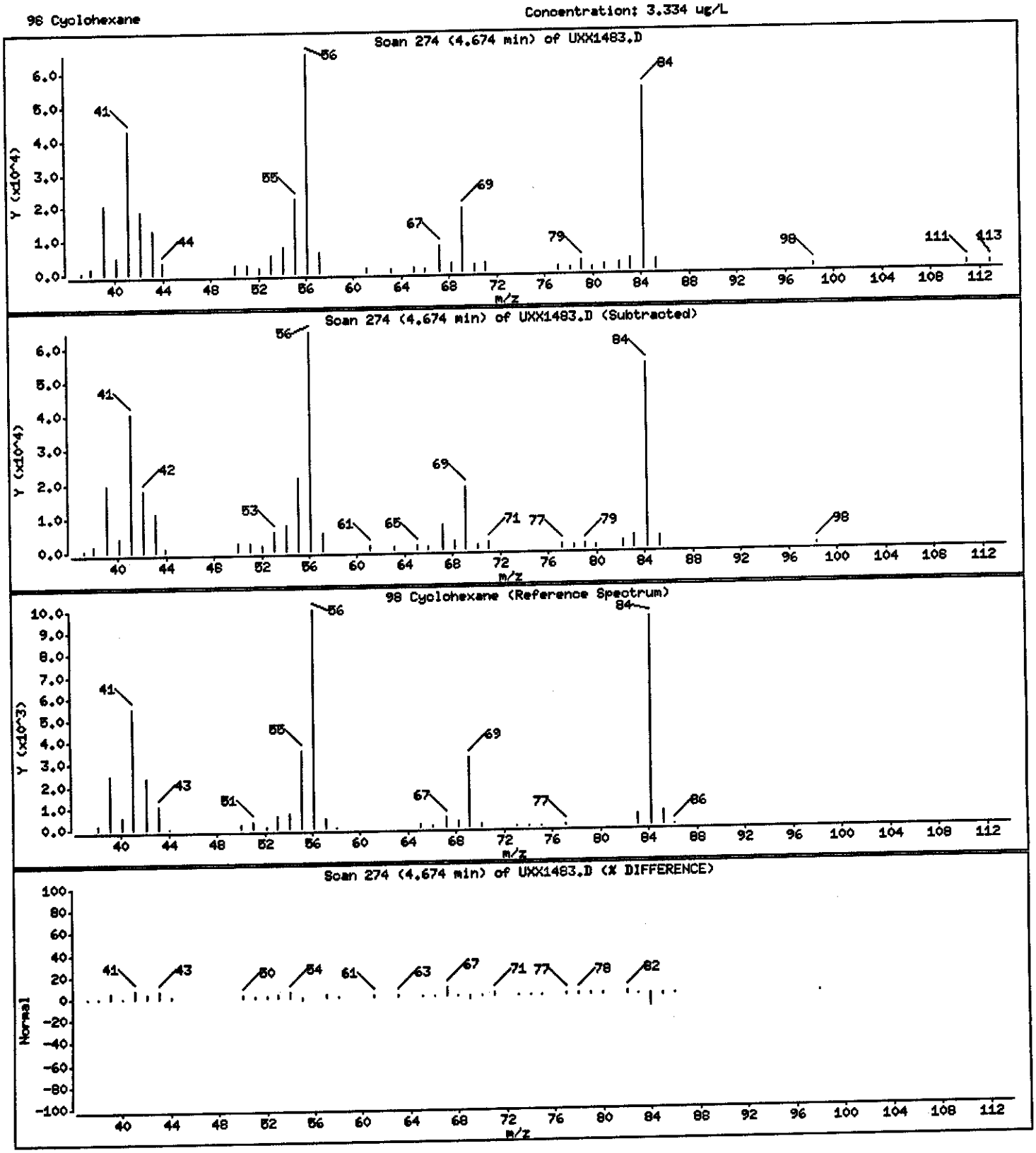
Operator: 1904

Column phase: DB624

Column diameter: 0.18

Concentration: 3.334 ug/L

98 Cyclohexane



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Date : 15-SEP-2004 08:53

Client ID: MW026/091304

Instrument: a3ux10.i

Sample Info: GP5W52AA,5ML/5ML

Purge Volume: 5.0

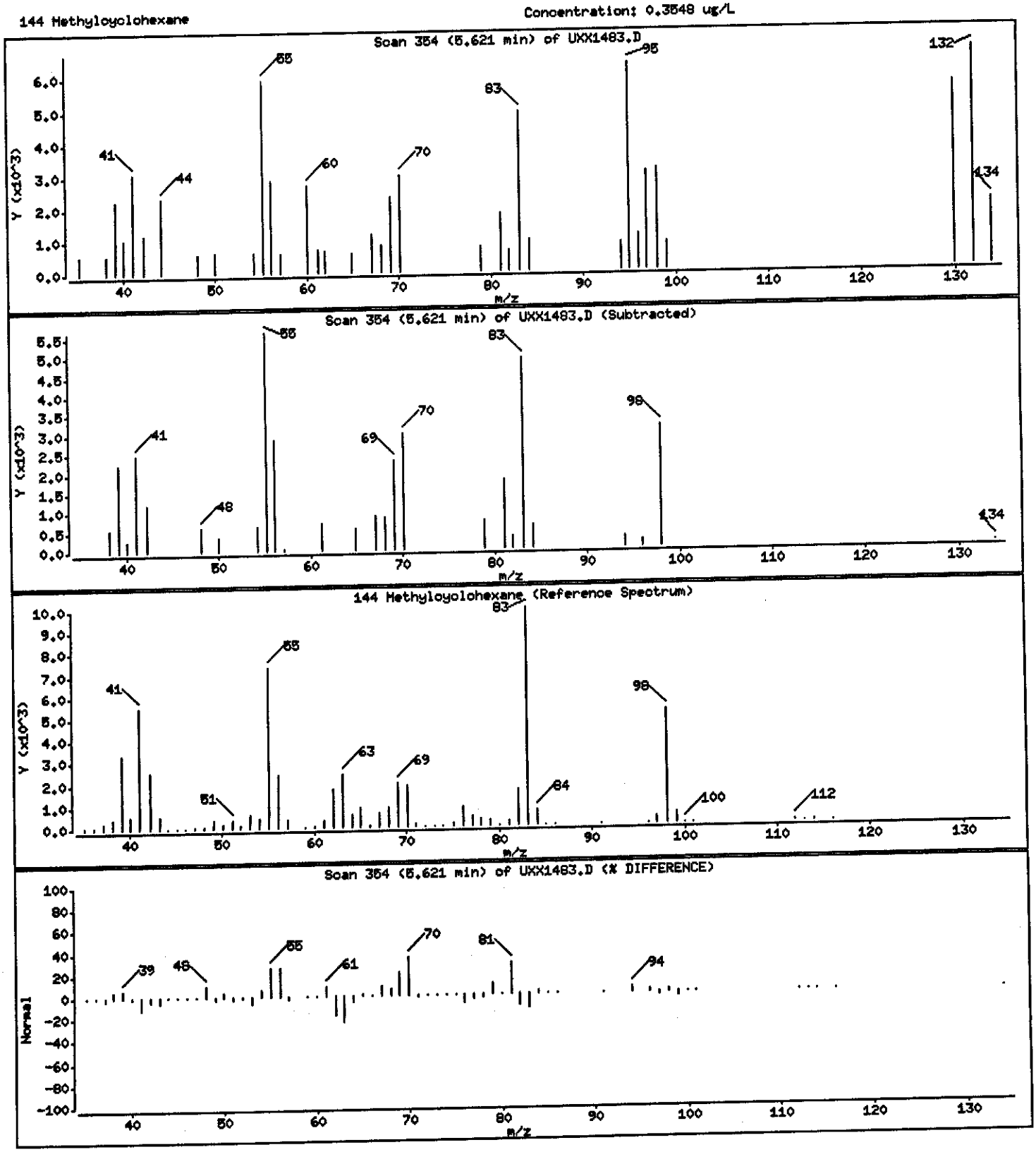
Operator: 1904

Column phase: DB624

Column diameter: 0.18

Concentration: 0.3548 ug/L

144 Methylcyclohexane



PAYNE FIRM INC.

Client Sample ID: TRIP BLANK/091304

GC/MS Volatiles

Lot-Sample #...: A4I140148-002 **Work Order #...:** GP5W61AA **Matrix.....:** WQ
Date Sampled...: 09/13/04 **Date Received..:** 09/14/04
Prep Date.....: 09/15/04 **Analysis Date..:** 09/15/04
Prep Batch #...: 4259300
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.6 J**	**10**	**ug/L**
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	**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	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: TRIP BLANK/091304

GC/MS Volatiles

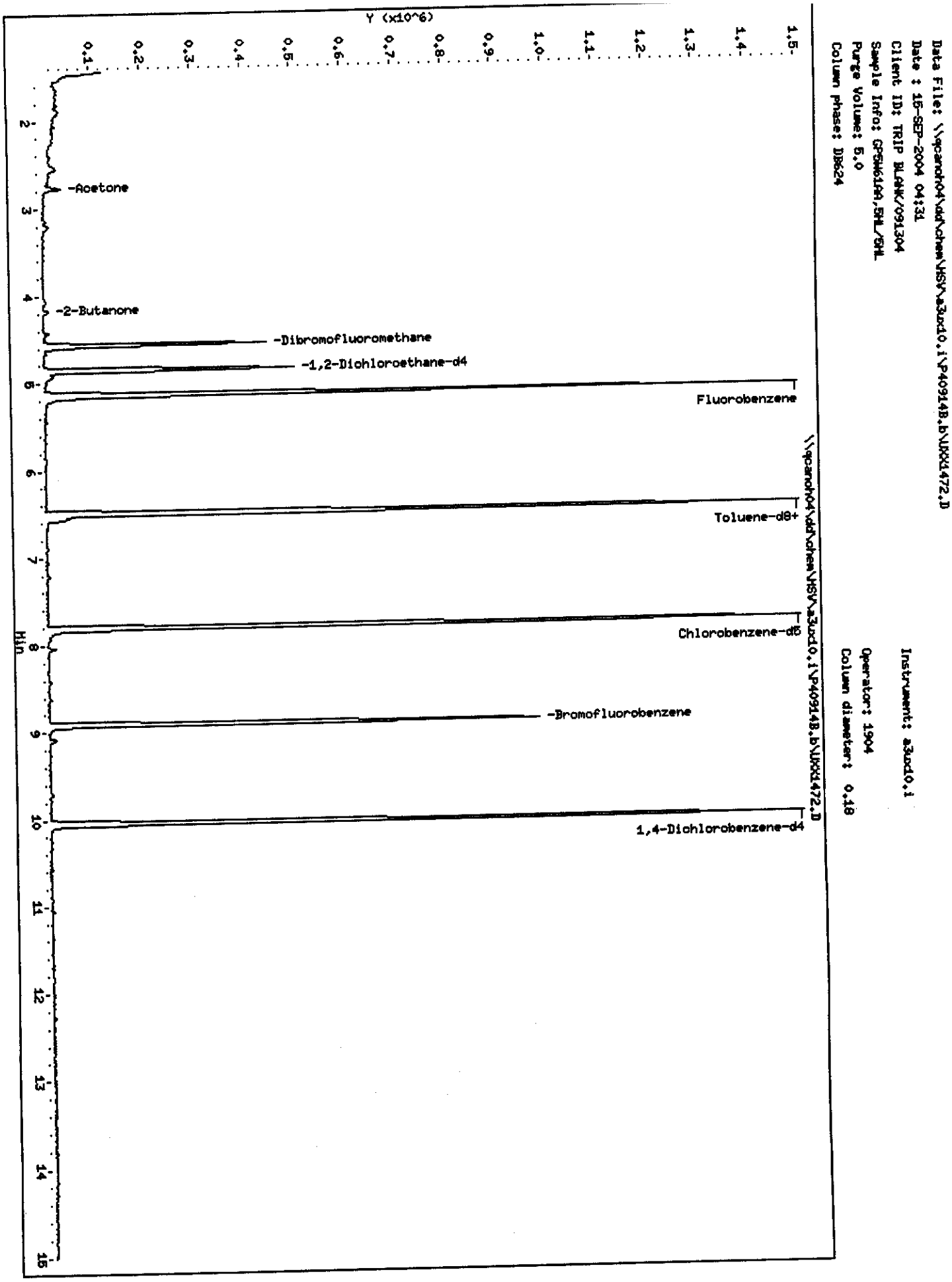
Lot-Sample #...: A4I140148-002 **Work Order #...:** GP5W61AA **Matrix.....:** WQ

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	**0.18 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	100	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.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Date : 15-SEP-2004 04:31
Client ID: TRIP BLANK/091304
Sample Info: GP5W61AA,5HL/5HL
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Acetone
-2-Butanone
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
Toluene-d8+
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\HSV\a3ux10.i\P40914B.b\UXX1472.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1472.D
Report Date: 15-Sep-2004 12:02

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1472.D
Lab Smp Id: GP5W61AA Client Smp ID: TRIP BLANK/091304
Inj Date : 15-SEP-2004 04:31
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GP5W61AA,5ML/5ML
Misc Info : P40914B,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\8260LLUX10.m
Meth Date : 15-Sep-2004 11:51 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 49
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.134	5.135	(1.000)	1519545	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1113624	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	526110	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.567	(0.889)	284255	49.8743	9.975
$ 5 1,2-Dichloroethane-d4	65	4.850	4.851	(0.945)	381114	48.4994	9.700
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	1162879	50.6763	10.135
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	419129	47.0151	9.403
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.768	2.768	(0.539)	42115	7.76117	1.552
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1472.D
Report Date: 15-Sep-2004 12:02

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.176	4.176	(0.813)	15643	2.46161	0.4923
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.554	6.554	(0.839)	24579	0.87609	0.1752
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1472.D
Report Date: 15-Sep-2004 12:02

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1472.D

Date : 15-SEP-2004 04:31

Client ID: TRIP BLANK/091304

Sample Info: GP5W61AA,5ML/5ML

Purge Volume: 5.0

Column phase: DB624

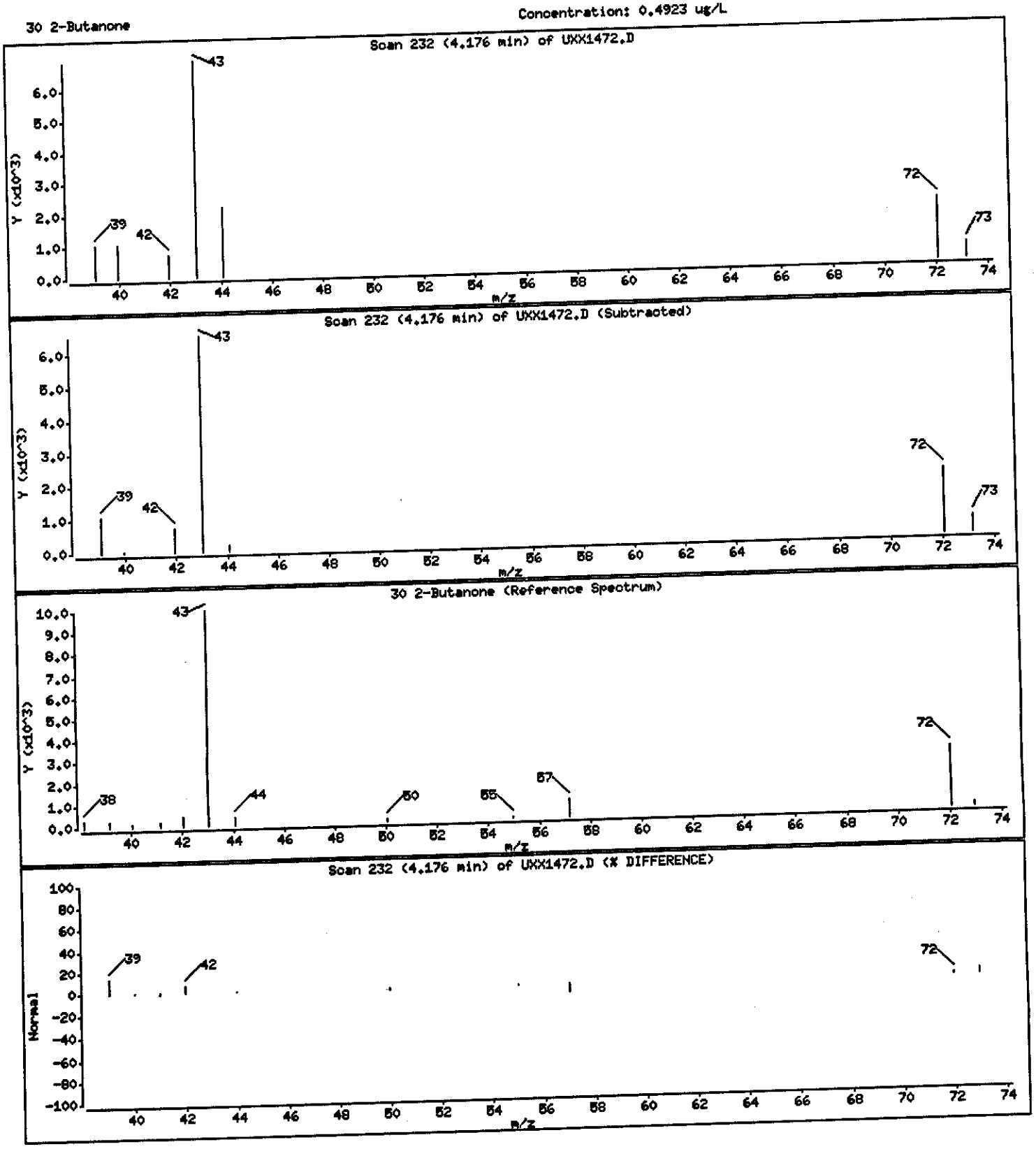
Instrument: a3ux10.i

Operator: 1904

Column diameter: 0.18

Concentration: 0.4923 ug/L

30 2-Butanone



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Date : 15-SEP-2004 04:31

Client ID: TRIP BLANK/091304

Instrument: a3ux10.i

Sample Info: GP5W61AA,5ML/5ML

Purge Volume: 5.0

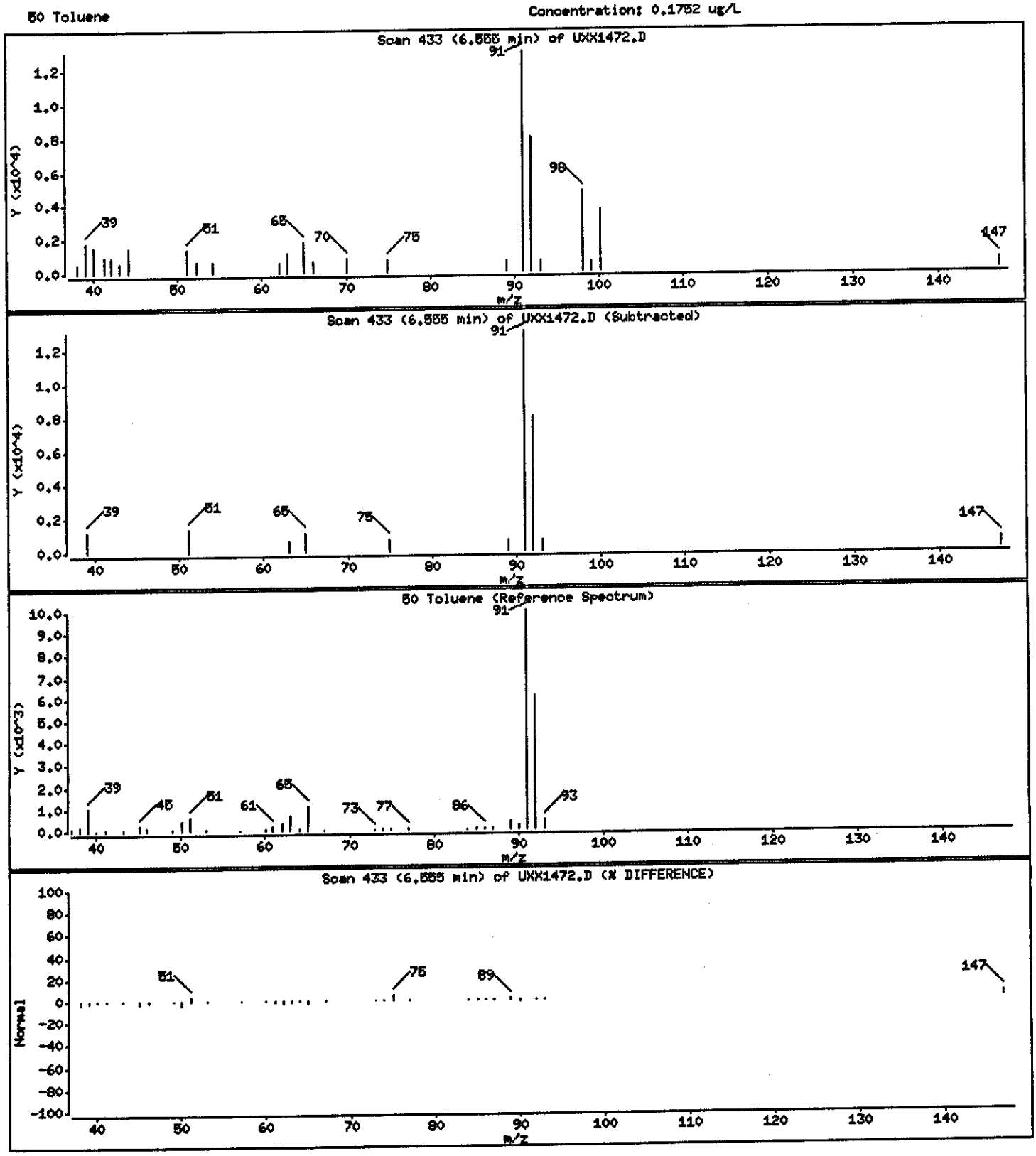
Operator: 1904

Column phase: DB624

Column diameter: 0.18

50 Toluene

Concentration: 0.1752 ug/L



SEVERN TRENT STL

STANDARD DATA

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Start Cal Date: 11-AUG-2004 16:41
End Cal Date : 26-AUG-2004 01:41
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
24-AUG-2004 06:27	dimethox	UXX0877.D
12-AUG-2004 08:27	7-IX+	UXX0527.D
26-AUG-2004 01:41	2-8260	UXX0912.D
Cal Level: 2 , Cal Amount: 10.000		
24-AUG-2004 06:03	dimethox	UXX0876.D
12-AUG-2004 08:04	7-IX+	UXX0526.D
26-AUG-2004 01:18	2-8260	UXX0911.D
Cal Level: 3 , Cal Amount: 25.000		
24-AUG-2004 05:40	dimethox	UXX0875.D
12-AUG-2004 07:41	7-IX+	UXX0525.D
26-AUG-2004 00:55	2-8260	UXX0910.D
Cal Level: 4 , Cal Amount: 50.000		
24-AUG-2004 05:17	dimethox	UXX0874.D
12-AUG-2004 07:18	7-IX+	UXX0524.D
26-AUG-2004 00:32	2-8260	UXX0909.D
Cal Level: 5 , Cal Amount: 100.00		
24-AUG-2004 04:54	dimethox	UXX0873.D
12-AUG-2004 06:56	7-IX+	UXX0523.D
26-AUG-2004 00:09	2-8260	UXX0908.D
Cal Level: 6 , Cal Amount: 200.00		
24-AUG-2004 04:31	dimethox	UXX0872.D
12-AUG-2004 06:33	7-IX+	UXX0522.D
25-AUG-2004 23:46	2-8260	UXX0907.D

Continuing Calibration

26-AUG-2004 02:28	7-IX+	UXX0914.D

Report Date : 26-Aug-2004 15:23

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 26-AUG-2004 01:41
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Cal Date : 26-Aug-2004 15:22 quayler
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0877.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0876.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0875.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0874.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0873.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0872.D

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
	8 Dichlorodifluoromethane	0.10221	0.07946	0.11281	0.12752	0.12965	0.11553	0.11120	16.661
	9 Chloromethane	0.27402	0.25464	0.25231	0.25231	0.27708	0.23270	0.25718	6.349
	10 Vinyl Chloride	0.24224	0.19749	0.23960	0.23134	0.23749	0.20160	0.22496	8.914
	11 Bromomethane	0.11581	0.09477	0.10085	0.09056	0.11481	0.13988	0.10945	16.556
	12 Chloroethane	0.19293	0.14614	0.18376	0.16895	0.20060	0.19898	0.18189	11.566
	13 Trichlorofluoromethane	0.24966	0.19269	0.25490	0.27101	0.33210	0.30758	0.26799	18.177
	14 Dichlorofluoromethane	0.33515	0.33081	0.37981	0.39398	0.40332	0.43223	0.37922	10.479
	15 Acrolein	0.04926	0.05765	0.05348	0.04820	0.05901	0.05965	0.05454	9.164
	16 Acetone	0.19924	0.18128	0.16046	0.15716	0.18043	0.19275	0.17855	9.456
	17 1,1-Dichloroethene	0.19046	0.18888	0.18924	0.18146	0.21161	0.21518	0.19614	7.028
	18 Freon-113	0.14257	0.12891	0.13553	0.12874	0.15700	0.15869	0.14191	9.416
	19 Iodomethane	0.26135	0.28408	0.25789	0.24537	0.26435	0.23198	0.25751	6.874
	20 Carbon Disulfide	0.56947	0.55039	0.55609	0.53116	0.60818	0.59415	0.56824	5.045
	21 Methylene Chloride	0.41792	0.32333	0.25141	0.21600	0.21851	0.20778	0.27249	30.471
	22 Acetonitrile	0.04854	0.04374	0.04182	0.03126	0.03358	0.04598	0.04082	16.961
	23 Acrylonitrile	0.11576	0.12305	0.11983	0.11726	0.13094	0.13837	0.12420	7.075
	24 Methyl tert-butyl ether	0.63297	0.69663	0.68665	0.68119	0.72816	0.71488	0.69008	4.789
	25 trans-1,2-Dichloroethene	0.21699	0.20904	0.20776	0.21382	0.23037	0.23453	0.21875	5.117
	26 Hexane	0.04152	0.03944	0.04476	0.04100	0.04784	0.04869	0.04388	8.725
	27 Vinyl acetate	0.49320	0.48666	0.49552	0.49690	0.56319	0.60474	0.52337	9.337
	28 1,1-Dichloroethane	0.36606	0.36826	0.37609	0.37548	0.39452	0.40419	0.38077	4.001
	29 tert-Butyl Alcohol	0.04380	0.04432	0.04210	0.03482	0.03675	0.04614	0.04132	10.935
	30 2-Butanone	0.21240	0.20392	0.19434	0.18966	0.22360	0.23069	0.20910	7.741
M	31 1,2-Dichloroethene (total)	0.22608	0.22565	0.21493	0.22186	0.23539	0.24027	0.22736	4.034
	32 cis-1,2-dichloroethene	0.23517	0.24226	0.22210	0.22989	0.24041	0.24601	0.23597	3.743

Report Date : 26-Aug-2004 15:23

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 26-AUG-2004 01:41
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Cal Date : 26-Aug-2004 15:22 quayler
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	33 2,2-Dichloropropane	0.23046	0.23904	0.22171	0.22385	0.25238	0.24366	0.23518	5.083	
	34 Bromochloromethane	0.10834	0.11232	0.10976	0.10770	0.11506	0.11639	0.11160	3.222	
	35 Chloroform	0.38306	0.39986	0.38591	0.37156	0.39529	0.40201	0.38962	2.979	
	36 Tetrahydrofuran	0.14005	0.12418	0.11963	0.10509	0.11640	0.11956	0.12082	9.444	
	37 1,1,1-Trichloroethane	0.31102	0.29744	0.30324	0.28622	0.30340	0.29935	0.30011	2.749	
	38 1,1-Dichloropropene	0.33638	0.28512	0.27799	0.26758	0.29839	0.31188	0.29622	8.458	
	39 Carbon Tetrachloride	0.24783	0.22846	0.24585	0.22774	0.26531	0.26195	0.24619	6.477	
	40 1,2-Dichloroethane	0.32003	0.33221	0.31324	0.31429	0.33310	0.34035	0.32554	3.446	
	41 Benzene	1.07988	0.99185	0.89946	0.86474	0.90735	0.91921	0.94375	8.340	
	42 Trichloroethene	0.24576	0.25605	0.24849	0.23785	0.24829	0.24702	0.24724	2.364	
	43 1,2-Dichloropropane	0.19398	0.19315	0.19160	0.19574	0.21237	0.21234	0.19986	4.887	
	44 1,4-Dioxane	0.00357	0.00349	0.00344	0.00211	0.00286	0.00383	0.00322	19.548	<-
	45 Dibromomethane	0.12431	0.12481	0.13199	0.13014	0.13961	0.14287	0.13229	5.757	
	46 Bromodichloromethane	0.26698	0.26323	0.25727	0.26372	0.28413	0.28684	0.27036	4.497	
	47 2-Chloroethyl vinyl ether	0.12516	0.13142	0.13342	0.13213	0.14242	0.15131	0.13598	6.865	
	48 cis-1,3-Dichloropropene	0.28134	0.28275	0.27612	0.31182	0.32645	0.34253	0.30350	9.072	
	49 4-Methyl-2-pentanone	0.32568	0.33203	0.32626	0.32685	0.35318	0.36494	0.33816	4.959	
	50 Toluene	1.21933	1.20082	1.24727	1.23579	1.31928	1.33536	1.25964	4.362	
	51 trans-1,3-Dichloropropene	0.36856	0.39535	0.40433	0.39931	0.43734	0.44484	0.40829	6.946	
	52 Ethyl Methacrylate	0.37003	0.37910	0.41694	0.41287	0.44740	0.45543	0.41363	8.369	
	53 1,1,2-Trichloroethane	0.25571	0.25184	0.25857	0.25570	0.26768	0.27283	0.26039	3.112	
	54 1,3-Dichloropropane	0.42167	0.46112	0.47165	0.46612	0.50387	0.51678	0.47353	7.126	
	55 Tetrachloroethene	0.26044	0.22972	0.23435	0.23063	0.24887	0.25051	0.24242	5.209	
	56 2-Hexanone	0.30316	0.35038	0.33583	0.34180	0.37147	0.37776	0.34673	7.771	
	57 Dibromochloromethane	0.20315	0.25035	0.25038	0.26277	0.28342	0.29109	0.25686	12.164	
	58 1,2-Dibromoethane	0.25141	0.25218	0.26655	0.27412	0.29082	0.28375	0.26981	6.009	
	59 Chlorobenzene	0.84036	0.79850	0.79799	0.79069	0.82421	0.83534	0.81451	2.629	
	60 1,1,1,2-Tetrachloroethane	0.25831	0.26744	0.26759	0.27674	0.29529	0.31172	0.27952	7.210	
	61 Ethylbenzene	0.38803	0.42258	0.44114	0.42164	0.45790	0.46726	0.43309	6.628	
	62 m + p-Xylene	0.52985	0.52869	0.55404	0.54076	0.57899	0.60884	0.55686	5.669	
M	63 Xylenes (total)	0.52805	0.53143	0.55345	0.54783	0.57643	0.60778	0.55750	5.407	
	64 Xylene-o	0.52443	0.53693	0.55225	0.56198	0.57130	0.60566	0.55876	5.103	
	65 Styrene	0.76427	0.82306	0.88126	0.89399	0.96461	1.01960	0.89113	10.374	

Report Date : 26-Aug-2004 15:23

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 26-AUG-2004 01:41
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Cal Date : 26-Aug-2004 15:22 quayler
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
66 Bromoform	0.14094	0.16931	0.18527	0.19373	0.20839	0.22687	0.18742	16.057
67 Isopropylbenzene	1.24226	1.22054	1.28541	1.25895	1.38308	1.44270	1.30549	6.733
68 1,1,2,2-Tetrachloroethane	0.61221	0.60292	0.64060	0.62574	0.67828	0.73213	0.64865	7.507
69 1,4-Dichloro-2-butene	0.16485	0.20056	0.19043	0.21554	0.23655	0.24242	0.20839	14.043
70 1,2,3-Trichloropropane	0.21978	0.26104	0.28165	0.28934	0.28796	0.29082	0.27177	10.210
71 Bromobenzene	0.57697	0.62288	0.61795	0.63308	0.65708	0.65624	0.62737	4.728
72 n-Propylbenzene	0.58827	0.65589	0.66047	0.65972	0.69173	0.69455	0.65844	5.822
73 2-Chlorotoluene	0.61132	0.59558	0.62170	0.61017	0.61755	0.62515	0.61358	1.720
74 1,3,5-Trimethylbenzene	1.88582	1.92360	1.97968	2.00491	2.16391	2.22872	2.03111	6.703
75 4-Chlorotoluene	0.60823	0.64009	0.60741	0.61701	0.64394	0.65080	0.62791	3.068
76 tert-Butylbenzene	1.69519	1.53288	1.70547	1.70270	1.84947	1.91606	1.73363	7.749
77 1,2,4-Trimethylbenzene	2.01951	2.03970	2.07449	2.13178	2.21944	2.30031	2.13087	5.160
78 sec-Butylbenzene	2.15260	2.27384	2.37413	2.28584	2.54199	2.66473	2.38219	7.946
79 4-Isopropyltoluene	1.78058	1.82016	1.99996	1.94175	2.12909	2.20932	1.98014	8.510
80 1,3-Dichlorobenzene	1.22429	1.20496	1.20366	1.19012	1.23632	1.27223	1.22193	2.421
81 1,4-Dichlorobenzene	1.36311	1.33091	1.24622	1.30204	1.27968	1.27861	1.30010	3.209
82 n-Butylbenzene	1.57441	1.61205	1.76926	1.67181	1.83821	1.97958	1.74089	8.762
83 1,2-Dichlorobenzene	1.19779	1.15492	1.24381	1.15870	1.19002	1.23796	1.19720	3.160
84 1,2-Dibromo-3-chloropropane	0.14945	0.16391	0.18693	0.17578	0.19739	0.20812	0.18026	12.029
85 1,2,4-Trichlorobenzene	0.70320	0.70702	0.75725	0.63008	0.66579	0.74042	0.70063	6.703
86 Hexachlorobutadiene	0.26450	0.24156	0.26267	0.20930	0.22383	0.26259	0.24407	9.576
87 Naphthalene	2.45719	2.35372	2.55500	2.18018	2.30004	2.58961	2.40596	6.532
88 1,2,3-Trichlorobenzene	0.77599	0.65337	0.71480	0.56124	0.58914	0.68986	0.66407	12.060
89 Ethyl Ether	0.22999	0.25334	0.25454	0.26672	0.27045	0.27285	0.25798	6.177
90 Ethanol	*****	*****	*****	*****	*****	*****	*****	***** <-
91 3-Chloropropene	0.08472	0.09562	0.10282	0.10431	0.10290	0.10842	0.09980	8.483
92 Isopropyl Ether	0.16785	0.16725	0.18468	0.19645	0.20428	0.22224	0.19046	11.309
93 2-Chloro-1,3-butadiene	0.25118	0.27168	0.30138	0.32290	0.33195	0.35380	0.30548	12.633
94 Propionitrile	0.03525	0.03405	0.03586	0.03540	0.04078	0.04071	0.03701	7.982
95 Ethyl Acetate	0.28915	0.28399	0.29551	0.30614	0.32275	0.33026	0.30464	6.116
96 Methacrylonitrile	0.18891	0.17537	0.19137	0.18863	0.19809	0.19561	0.18966	4.186
97 Isobutanol	0.01325	0.01548	0.01400	0.01699	0.01712	0.01667	0.01559	10.535
98 Cyclohexane	0.32153	0.32944	0.35154	0.31303	0.36754	0.37537	0.34307	7.449

Report Date : 26-Aug-2004 15:23

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 26-AUG-2004 01:41
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Cal Date : 26-Aug-2004 15:22 quayler
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD	
	99 n-Butanol	0.00840	0.01209	0.01185	0.01176	0.01170	0.01225	0.01134	12.843	<-
	100 Methyl Methacrylate	0.23714	0.22358	0.22564	0.24181	0.25179	0.25774	0.23962	5.722	
	101 2-Nitropropane	0.03952	0.04901	0.04465	0.05026	0.05799	0.06219	0.05060	16.530	
	102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	103 Cyclohexanone	0.02589	0.03146	0.03124	0.03222	0.03211	0.02954	0.03041	7.931	
	104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M	137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	141 1,3,5-Trichlorobenzene	0.80085	0.73740	0.80014	0.69234	0.72343	0.80951	0.76061	6.482	
	143 Methyl Acetate	0.27340	0.26175	0.24655	0.23709	0.25753	0.26906	0.25756	5.326	
	144 Methylcyclohexane	0.30394	0.29107	0.31854	0.29247	0.35276	0.36674	0.32092	9.959	
	145 Dimethoxymethane	0.27224	0.28890	0.29434	0.31320	0.32972	0.33997	0.30640	8.429	
	146 2-Methylnaphthalene	0.79689	0.86774	0.89101	0.92268	0.95715	0.98771	0.90386	7.526	
$	4 Dibromofluoromethane	0.17448	0.18352	0.18416	0.18952	0.19451	0.19903	0.18754	4.665	
$	5 1,2-Dichloroethane-d4	0.26133	0.25021	0.25284	0.26496	0.26296	0.25911	0.25857	2.259	
$	6 Toluene-d8	0.97347	0.97492	1.03300	1.04533	1.06809	1.08695	1.03029	4.587	
$	7 Bromofluorobenzene	0.39446	0.38718	0.40222	0.39532	0.40563	0.41675	0.40026	2.581	

Report Date : 26-Aug-2004 15:27

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
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Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Cal Date : 26-Aug-2004 15:22 quayler

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0877.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0876.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0875.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0874.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0873.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40824A-IC.b\UXX0872.D

Compound	5.0000 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	19422	30244	114024	260529	519758	934166	WLINR	0.03034	0.12284		0.99394
9 Chloromethane	0.27402	0.25464	0.25231	0.25231	0.27708	0.23270	AVRG		0.25718		6.34880
10 Vinyl Chloride	0.24224	0.19749	0.23960	0.23134	0.23749	0.20160	AVRG		0.22496		8.91427
11 Bromomethane	22005	36069	101940	185025	460262	1131120	QUAD	0.02228	10.05209	-5.27917	0.99849
12 Chloroethane	0.19293	0.14614	0.18376	0.16895	0.20060	0.19898	AVRG		0.18189		11.56551
13 Trichlorofluoromethane	47440	73339	257651	553680	1331386	2487139	WLINR	0.04799	0.31527		0.99362
14 Dichlorofluoromethane	0.33515	0.33081	0.37981	0.39398	0.40332	0.43223	AVRG		0.37922		10.47914
15 Acrolein	0.04926	0.05765	0.05348	0.04820	0.05901	0.05965	AVRG		0.05454		9.16382
16 Acetone	0.19924	0.18128	0.16046	0.15716	0.18043	0.19275	AVRG		0.17855		9.45607

eport Date : 26-Aug-2004 15:27

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 11-AUG-2004 16:41
nd Cal Date : 26-AUG-2004 01:41
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
al Date : 26-Aug-2004 15:22 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
17 1,1-Dichloroethene	0.19046	0.18888	0.18924	0.18146	0.21161	0.21518	AVRG		0.19614		7.02751
18 Freon-113	0.14257	0.12891	0.13553	0.12874	0.15700	0.15869	AVRG		0.14191		9.41649
19 Iodomethane	0.26135	0.28408	0.25789	0.24537	0.26435	0.23198	AVRG		0.25751		6.87404
20 Carbon Disulfide	0.56947	0.55039	0.55609	0.53116	0.60818	0.59415	AVRG		0.56824		5.04508
21 Methylene Chloride	79412	123063	254120	441305	876002	1680145	WLINR	-0.10945	0.20304		0.99936
22 Acetonitrile	92238	166472	422683	638582	1346308	3718309	QUAD	-1.19984	36.58038	-7.70538	0.99846
23 Acrylonitrile	0.11576	0.12305	0.11983	0.11726	0.13094	0.13837	AVRG		0.12420		7.07509
24 Methyl tert-butyl ether	0.63297	0.69663	0.68665	0.68119	0.72816	0.71488	AVRG		0.69008		4.78852
25 trans-1,2-Dichloroethene	0.21699	0.20904	0.20776	0.21382	0.23037	0.23453	AVRG		0.21875		5.11716
26 Hexane	0.04152	0.03944	0.04476	0.04100	0.04784	0.04869	AVRG		0.04388		8.72511
27 Vinyl acetate	0.49320	0.48666	0.49552	0.49690	0.56319	0.60474	AVRG		0.52337		9.33734
28 1,1-Dichloroethane	0.36606	0.36826	0.37609	0.37548	0.39452	0.40419	AVRG		0.38077		4.00110
29 tert-Butyl Alcohol	0.04380	0.04432	0.04210	0.03482	0.03675	0.04614	AVRG		0.04132		10.93499
30 2-Butanone	0.21240	0.20392	0.19434	0.18966	0.22360	0.23069	AVRG		0.20910		7.74143
M 31 1,2-Dichloroethene (total)	0.22608	0.22565	0.21493	0.22186	0.23539	0.24027	AVRG		0.22736		4.03393
32 cis-1,2-dichloroethene	0.23517	0.24226	0.22210	0.22989	0.24041	0.24601	AVRG		0.23597		3.74325
33 2,2-Dichloropropane	0.23046	0.23904	0.22171	0.22385	0.25238	0.24366	AVRG		0.23518		5.08348

Report Date : 26-Aug-2004 15:27

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 26-AUG-2004 01:41
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Cal Date : 26-Aug-2004 15:22 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
34 Bromochloromethane	0.10834	0.11232	0.10976	0.10770	0.11506	0.11639	AVRG		0.11160		3.22228	
35 Chloroform	0.38306	0.39986	0.38591	0.37156	0.39529	0.40201	AVRG		0.38962		2.97909	
36 Tetrahydrofuran	0.14005	0.12418	0.11963	0.10509	0.11640	0.11956	AVRG		0.12082		9.44390	
37 1,1,1-Trichloroethane	0.31102	0.29744	0.30324	0.28622	0.30340	0.29935	AVRG		0.30011		2.74928	
38 1,1-Dichloropropene	0.33638	0.28512	0.27799	0.26758	0.29839	0.31188	AVRG		0.29622		8.45778	
39 Carbon Tetrachloride	0.24783	0.22846	0.24585	0.22774	0.26531	0.26195	AVRG		0.24619		6.47746	
40 1,2-Dichloroethane	0.32003	0.33221	0.31324	0.31429	0.33310	0.34035	AVRG		0.32554		3.44609	
41 Benzene	1.07988	0.99185	0.89946	0.86474	0.90735	0.91921	AVRG		0.94375		8.34002	
42 Trichloroethene	0.24576	0.25605	0.24849	0.23785	0.24829	0.24702	AVRG		0.24724		2.36355	
43 1,2-Dichloropropane	0.19398	0.19315	0.19160	0.19574	0.21237	0.21234	AVRG		0.19986		4.88683	
44 1,4-Dioxane	33891	66387	173670	215467	573263	1548590	QUAD	-2.91266	427	-212	0.99414	<-
45 Dibromomethane	0.12431	0.12481	0.13199	0.13014	0.13961	0.14287	AVRG		0.13229		5.75683	
46 Bromodichloromethane	0.26698	0.26323	0.25727	0.26372	0.28413	0.28684	AVRG		0.27036		4.49699	
47 2-Chloroethyl vinyl ether	0.12516	0.13142	0.13342	0.13213	0.14242	0.15131	AVRG		0.13598		6.86535	
48 cis-1,3-Dichloropropene	0.28134	0.28275	0.27612	0.31182	0.32645	0.34253	AVRG		0.30350		9.07156	
49 4-Methyl-2-pentanone	0.32568	0.33203	0.32626	0.32685	0.35318	0.36494	AVRG		0.33816		4.95854	
50 Toluene	1.21933	1.20082	1.24727	1.23579	1.31928	1.33536	AVRG		1.25964		4.36226	

Report Date : 26-Aug-2004 15:27

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 26-AUG-2004 01:41
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Cal Date : 26-Aug-2004 15:22 quayler

	Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	51 trans-1,3-Dichloropropene	0.36856	0.39535	0.40433	0.39931	0.43734	0.44484	AVRG		0.40829		6.94618
	52 Ethyl Methacrylate	0.37003	0.37910	0.41694	0.41287	0.44740	0.45543	AVRG		0.41363		8.36910
	53 1,1,2-Trichloroethane	0.25571	0.25184	0.25857	0.25570	0.26768	0.27283	AVRG		0.26039		3.11155
	54 1,3-Dichloropropane	0.42167	0.46112	0.47165	0.46612	0.50387	0.51678	AVRG		0.47353		7.12554
	55 Tetrachloroethene	0.26044	0.22972	0.23435	0.23063	0.24887	0.25051	AVRG		0.24242		5.20886
	56 2-Hexanone	0.30316	0.35038	0.33583	0.34180	0.37147	0.37776	AVRG		0.34673		7.77099
	57 Dibromochloromethane	0.20315	0.25035	0.25038	0.26277	0.28342	0.29109	AVRG		0.25686		12.16401
	58 1,2-Dibromoethane	0.25141	0.25218	0.26655	0.27412	0.29082	0.28375	AVRG		0.26981		6.00909
	59 Chlorobenzene	0.84036	0.79850	0.79799	0.79069	0.82421	0.83534	AVRG		0.81451		2.62918
	60 1,1,1,2-Tetrachloroethane	0.25831	0.26744	0.26759	0.27674	0.29529	0.31172	AVRG		0.27952		7.21042
	61 Ethylbenzene	0.38803	0.42258	0.44114	0.42164	0.45790	0.46726	AVRG		0.43309		6.62764
	62 m + p-Xylene	0.52985	0.52869	0.55404	0.54076	0.57899	0.60884	AVRG		0.55686		5.66864
M	63 Xylenes (total)	0.52805	0.53143	0.55345	0.54783	0.57643	0.60778	AVRG		0.55750		5.40716
	64 Xylene-o	0.52443	0.53693	0.55225	0.56198	0.57130	0.60566	AVRG		0.55876		5.10291
	65 Styrene	0.76427	0.82306	0.88126	0.89399	0.96461	1.01960	AVRG		0.89113		10.37441
	66 Bromoform	18879	45168	129411	275512	594379	1311977	QUAD	0.03401	5.05877	-0.76041	0.99997
	67 Isopropylbenzene	1.24226	1.22054	1.28541	1.25895	1.38308	1.44270	AVRG		1.30549		6.73297

:eport Date : 26-Aug-2004 15:27

STL North Canton

INITIAL CALIBRATION DATA

:tart Cal Date : 11-AUG-2004 16:41
:nd Cal Date : 26-AUG-2004 01:41
)uant Method : ISTD
'arget Version : 4.04
:ntegrator : HP RTE
lethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
:al Date : 26-Aug-2004 15:22 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
68 1,1,2,2-Tetrachloroethane	0.61221	0.60292	0.64060	0.62574	0.67828	0.73213	AVRG		0.64865		7.50718
69 1,4-Dichloro-2-butene	0.16485	0.20056	0.19043	0.21554	0.23655	0.24242	AVRG		0.20839		14.04275
70 1,2,3-Trichloropropane	0.21978	0.26104	0.28165	0.28934	0.28796	0.29082	AVRG		0.27177		10.21003
71 Bromobenzene	0.57697	0.62288	0.61795	0.63308	0.65708	0.65624	AVRG		0.62737		4.72756
72 n-Propylbenzene	0.58827	0.65589	0.66047	0.65972	0.69173	0.69455	AVRG		0.65844		5.82215
73 2-Chlorotoluene	0.61132	0.59558	0.62170	0.61017	0.61755	0.62515	AVRG		0.61358		1.71958
74 1,3,5-Trimethylbenzene	1.88582	1.92360	1.97968	2.00491	2.16391	2.22872	AVRG		2.03111		6.70339
75 4-Chlorotoluene	0.60823	0.64009	0.60741	0.61701	0.64394	0.65080	AVRG		0.62791		3.06807
76 tert-Butylbenzene	1.69519	1.53288	1.70547	1.70270	1.84947	1.91606	AVRG		1.73363		7.74860
77 1,2,4-Trimethylbenzene	2.01951	2.03970	2.07449	2.13178	2.21944	2.30031	AVRG		2.13087		5.16011
78 sec-Butylbenzene	2.15260	2.27384	2.37413	2.28584	2.54199	2.66473	AVRG		2.38219		7.94632
79 4-Isopropyltoluene	1.78058	1.82016	1.99996	1.94175	2.12909	2.20932	AVRG		1.98014		8.51039
80 1,3-Dichlorobenzene	1.22429	1.20496	1.20366	1.19012	1.23632	1.27223	AVRG		1.22193		2.42120
81 1,4-Dichlorobenzene	1.36311	1.33091	1.24622	1.30204	1.27968	1.27861	AVRG		1.30010		3.20948
82 n-Butylbenzene	1.57441	1.61205	1.76926	1.67181	1.83821	1.97958	AVRG		1.74089		8.76188
83 1,2-Dichlorobenzene	1.19779	1.15492	1.24381	1.15870	1.19002	1.23796	AVRG		1.19720		3.15984
84 1,2-Dibromo-3-chloropropane	0.14945	0.16391	0.18693	0.17578	0.19739	0.20812	AVRG		0.18026		12.02912

Report Date : 26-Aug-2004 15:27

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 26-AUG-2004 01:41
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Cal Date : 26-Aug-2004 15:22 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
85 1,2,4-Trichlorobenzene	0.70320	0.70702	0.75725	0.63008	0.66579	0.74042	AVRG		0.70063		6.70316	
86 Hexachlorobutadiene	0.26450	0.24156	0.26267	0.20930	0.22383	0.26259	AVRG		0.24407		9.57639	
87 Naphthalene	2.45719	2.35372	2.55500	2.18018	2.30004	2.58961	AVRG		2.40596		6.53190	
88 1,2,3-Trichlorobenzene	0.77599	0.65337	0.71480	0.56124	0.58914	0.68986	AVRG		0.66407		12.05991	
89 Ethyl Ether	0.22999	0.25334	0.25454	0.26672	0.27045	0.27285	AVRG		0.25798		6.17685	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.08472	0.09562	0.10282	0.10431	0.10290	0.10842	AVRG		0.09980		8.48330	
92 Isopropyl Ether	0.16785	0.16725	0.18468	0.19645	0.20428	0.22224	AVRG		0.19046		11.30901	
93 2-Chloro-1,3-butadiene	0.25118	0.27168	0.30138	0.32290	0.33195	0.35380	AVRG		0.30548		12.63269	
94 Propionitrile	0.03525	0.03405	0.03586	0.03540	0.04078	0.04071	AVRG		0.03701		7.98196	
95 Ethyl Acetate	0.28915	0.28399	0.29551	0.30614	0.32275	0.33026	AVRG		0.30464		6.11650	
96 Methacrylonitrile	0.18891	0.17537	0.19137	0.18863	0.19809	0.19561	AVRG		0.18966		4.18624	
97 Isobutanol	0.01325	0.01548	0.01400	0.01699	0.01712	0.01667	AVRG		0.01559		10.53530	
98 Cyclohexane	0.32153	0.32944	0.35154	0.31303	0.36754	0.37537	AVRG		0.34307		7.44935	
99 n-Butanol	0.00840	0.01209	0.01185	0.01176	0.01170	0.01225	AVRG		0.01134		12.84255	<-
100 Methyl Methacrylate	0.23714	0.22358	0.22564	0.24181	0.25179	0.25774	AVRG		0.23962		5.72217	
101 2-Nitropropane	10945	27756	64478	149072	351283	753058	QUAD	0.11007	18.25243	-4.86604	0.99928	

Report Date : 26-Aug-2004 15:27

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 26-AUG-2004 01:41
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Cal Date : 26-Aug-2004 15:22 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	0.02589	0.03146	0.03124	0.03222	0.03211	0.02954	AVRG		0.03041		7.93090	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
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	0.80085	0.73740	0.80014	0.69234	0.72343	0.80951	AVRG		0.76061		6.48231	
143 Methyl Acetate	0.27340	0.26175	0.24655	0.23709	0.25753	0.26906	AVRG		0.25756		5.32578	
144 Methylcyclohexane	0.30394	0.29107	0.31854	0.29247	0.35276	0.36674	AVRG		0.32092		9.95941	
145 Dimethoxymethane	0.27224	0.28890	0.29434	0.31320	0.32972	0.33997	AVRG		0.30640		8.42901	
146 2-Methylnaphthalene	0.79689	0.86774	0.89101	0.92268	0.95715	0.98771	AVRG		0.90386		7.52629	

Report Date : 26-Aug-2004 15:27

STL North Canton

INITIAL CALIBRATION DATA

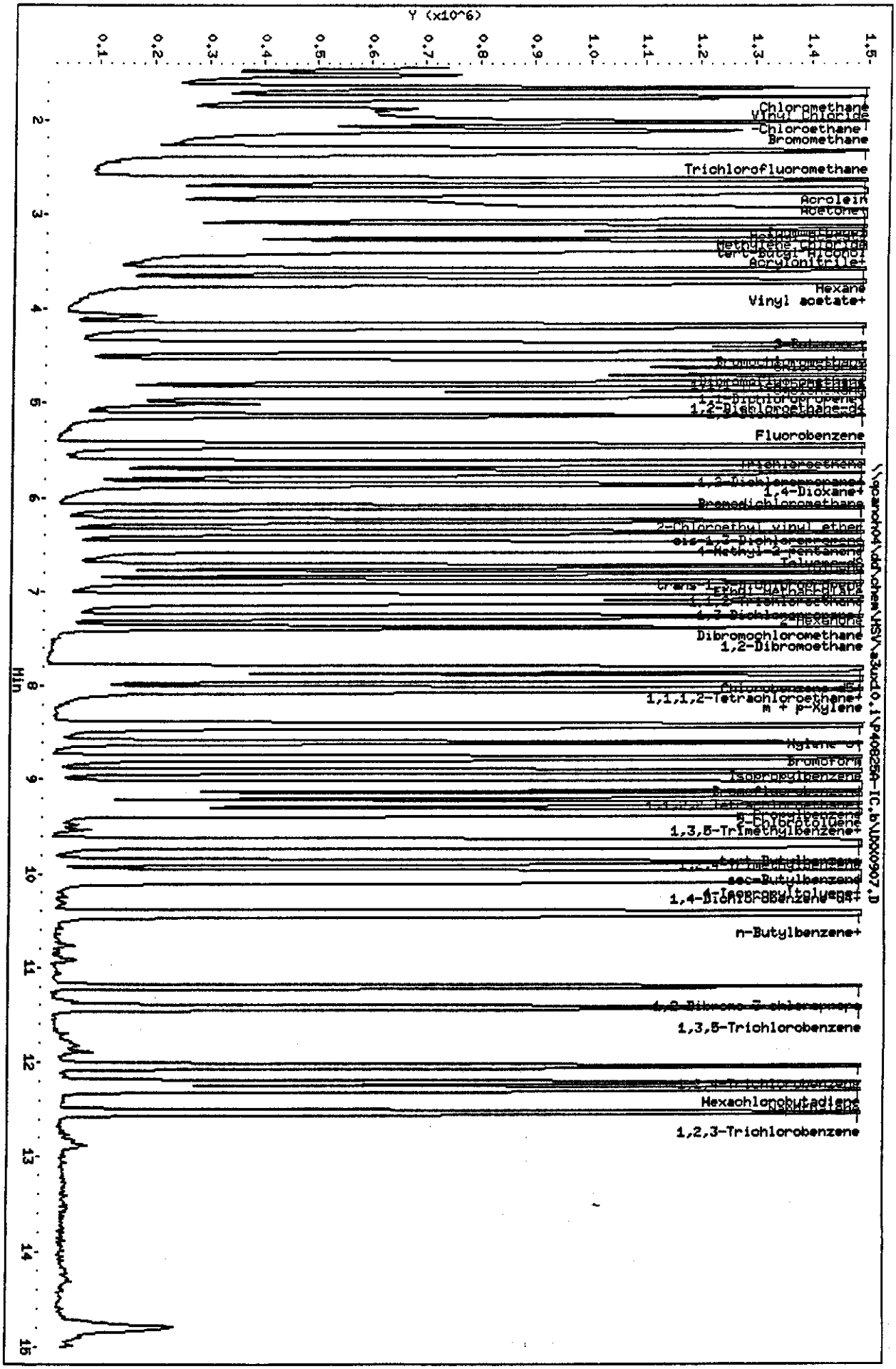
Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 26-AUG-2004 01:41
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Cal Date : 26-Aug-2004 15:22 quayler

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 4 Dibromofluoromethane	0.17448	0.18352	0.18416	0.18952	0.19451	0.19903	AVRG		0.18754		4.66512
$ 5 1,2-Dichloroethane-d4	0.26133	0.25021	0.25284	0.26496	0.26296	0.25911	AVRG		0.25857		2.25937
$ 6 Toluene-d8	0.97347	0.97492	1.03300	1.04533	1.06809	1.08695	AVRG		1.03029		4.58700
$ 7 Bromofluorobenzene	0.39446	0.38718	0.40222	0.39532	0.40563	0.41675	AVRG		0.40026		2.58105

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P408250-IC.b\UXX0907.D
Date : 25-AUG-2004 23:46
Client ID:
Sample Info: 200NG-IC
Purge Volume: 5.0
Column phase: DB624

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0907.D
Report Date: 26-Aug-2004 15:18

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0907.D
Lab Smp Id: 200NG-IC
Inj Date : 25-AUG-2004 23:46
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 200NG-IC
Misc Info : P40825A-IC,8260LLUX10,2-8260.SUB,1904,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Meth Date : 26-Aug-2004 15:18 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 04:31 Cal File: UXX0872.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.134	5.134	(1.000)	2021541	50.0000	
* 2 Chlorobenzene-d5	117	7.808	7.808	(1.000)	1445739	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	827049	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.566	(0.889)	1609416	200.000	233.00(A)
$ 5 1,2-Dichloroethane-d4	65	4.850	4.850	(0.945)	2095221	200.000	231.64(A)
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	6285804	200.000	212.42(A)
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	2410048	200.000	234.47(A)
8 Dichlorodifluoromethane	85	1.525	1.525	(0.297)	934166	200.000	184.99
9 Chloromethane	50	1.655	1.655	(0.322)	1881626	200.000	151.10
10 Vinyl Chloride	62	1.750	1.750	(0.341)	1630152	200.000	148.03
11 Bromomethane	94	2.010	2.010	(0.392)	1131120	200.000	209.61(A)
12 Chloroethane	64	2.105	2.105	(0.410)	1608971	200.000	201.64(A)
13 Trichlorofluoromethane	101	2.330	2.330	(0.454)	2487139	200.000	241.79(A)
15 Acrolein	56	2.638	2.638	(0.514)	4823240	2000.00	1881.2
16 Acetone	43	2.756	2.756	(0.537)	3117163	400.000	676.56(A)
17 1,1-Dichloroethene	96	2.756	2.756	(0.537)	1739970	200.000	227.77(A)
18 Freon-113	151	2.768	2.768	(0.539)	1283202	200.000	259.86(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0907.D
Report Date: 26-Aug-2004 15:18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.898	2.898	(0.564)	1875854	200.000	178.29
	20 Carbon Disulfide	76	2.957	2.957	(0.576)	4804431	200.000	209.16(A)
	21 Methylene Chloride	84	3.123	3.123	(0.608)	1680145	200.000	170.57
	22 Acetonitrile	41	2.981	2.981	(0.581)	3718309	2000.00	3115.4(A)
	23 Acrylonitrile	53	3.312	3.312	(0.645)	11189114	2000.00	2459.7(A)
	24 Methyl tert-butyl ether	73	3.359	3.359	(0.654)	5780616	200.000	221.14(A)
	25 trans-1,2-Dichloroethene	96	3.359	3.359	(0.654)	1896414	200.000	215.69(A)
	26 Hexane	86	3.584	3.584	(0.698)	393754	200.000	244.97(A)
	27 Vinyl acetate	43	3.726	3.726	(0.726)	4890048	200.000	222.48(A)
	28 1,1-Dichloroethane	63	3.702	3.702	(0.721)	3268370	200.000	216.88(A)
	29 tert-Butyl Alcohol	59	3.206	3.206	(0.624)	7461146	4000.00	6456.3(A)
	30 2-Butanone	43	4.176	4.176	(0.813)	3730872	400.000	549.04(A)
M	31 1,2-Dichloroethene (total)	96				3885729	400.000	433.49
	32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	1989315	200.000	217.79(A)
	33 2,2-Dichloropropane	77	4.176	4.176	(0.813)	1970237	200.000	226.09(A)
	34 Bromochloromethane	128	4.377	4.377	(0.853)	941164	200.000	222.13(A)
	35 Chloroform	83	4.424	4.424	(0.862)	3250725	200.000	227.54(A)
	36 Tetrahydrofuran	42	4.424	4.424	(0.862)	966792	200.000	212.09(A)
	37 1,1,1-Trichloroethane	97	4.602	4.602	(0.896)	2420626	200.000	231.50(A)
	38 1,1-Dichloropropene	75	4.732	4.732	(0.922)	2521915	200.000	237.36(A)
	39 Carbon Tetrachloride	117	4.744	4.744	(0.924)	2118168	200.000	251.16(A)
	40 1,2-Dichloroethane	62	4.909	4.909	(0.956)	2752121	200.000	233.05(A)
	41 Benzene	78	4.909	4.909	(0.956)	7432861	200.000	196.39
	42 Trichloroethene	130	5.442	5.442	(1.060)	1997475	200.000	210.63(A)
	43 1,2-Dichloropropane	63	5.631	5.631	(1.097)	1717024	200.000	205.06(A)
	44 1,4-Dioxane	88	5.738	5.738	(1.118)	1548590	10000.0	17189(A)
	45 Dibromomethane	93	5.738	5.738	(1.118)	1155262	200.000	226.34(A)
	46 Bromodichloromethane	83	5.856	5.856	(1.141)	2319464	200.000	235.01(A)
	47 2-Chloroethyl vinyl ether	63	6.105	6.105	(1.189)	2447009	400.000	424.38(A)
	48 cis-1,3-Dichloropropene	75	6.247	6.247	(1.217)	2769746	200.000	215.91(A)
	49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	5901906	400.000	430.58(A)
	50 Toluene	91	6.554	6.554	(0.839)	7722316	200.000	210.47(A)
	51 trans-1,3-Dichloropropene	75	6.732	6.732	(0.862)	2572467	200.000	221.45(A)
	52 Ethyl Methacrylate	69	6.803	6.803	(0.871)	2633726	200.000	211.44(A)
	53 1,1,2-Trichloroethane	97	6.897	6.897	(0.883)	1577757	200.000	210.15(A)
	54 1,3-Dichloropropane	76	7.051	7.051	(0.903)	2988509	200.000	218.66(A)
	55 Tetrachloroethene	164	7.051	7.051	(0.903)	1448695	200.000	217.37(A)
	56 2-Hexanone	43	7.110	7.110	(0.911)	4369138	400.000	443.88(A)
	57 Dibromochloromethane	129	7.264	7.264	(0.930)	1683386	200.000	242.95(A)
	58 1,2-Dibromoethane	107	7.382	7.382	(0.945)	1640935	200.000	214.26(A)
	59 Chlorobenzene	112	7.832	7.832	(1.003)	4830742	200.000	209.46(A)
	60 1,1,1,2-Tetrachloroethane	131	7.903	7.903	(1.012)	1802661	200.000	244.31(A)
	61 Ethylbenzene	106	7.927	7.927	(1.015)	2702137	200.000	212.50(A)
	62 m + p-Xylene	106	8.033	8.033	(1.029)	7041822	400.000	444.99(A)
M	63 Xylenes (total)	106				10544337	600.000	668.50
	64 Xylene-o	106	8.412	8.412	(1.077)	3502515	200.000	223.51(A)
	65 Styrene	104	8.424	8.424	(1.079)	5896274	200.000	230.08(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0907.D
Report Date: 26-Aug-2004 15:18

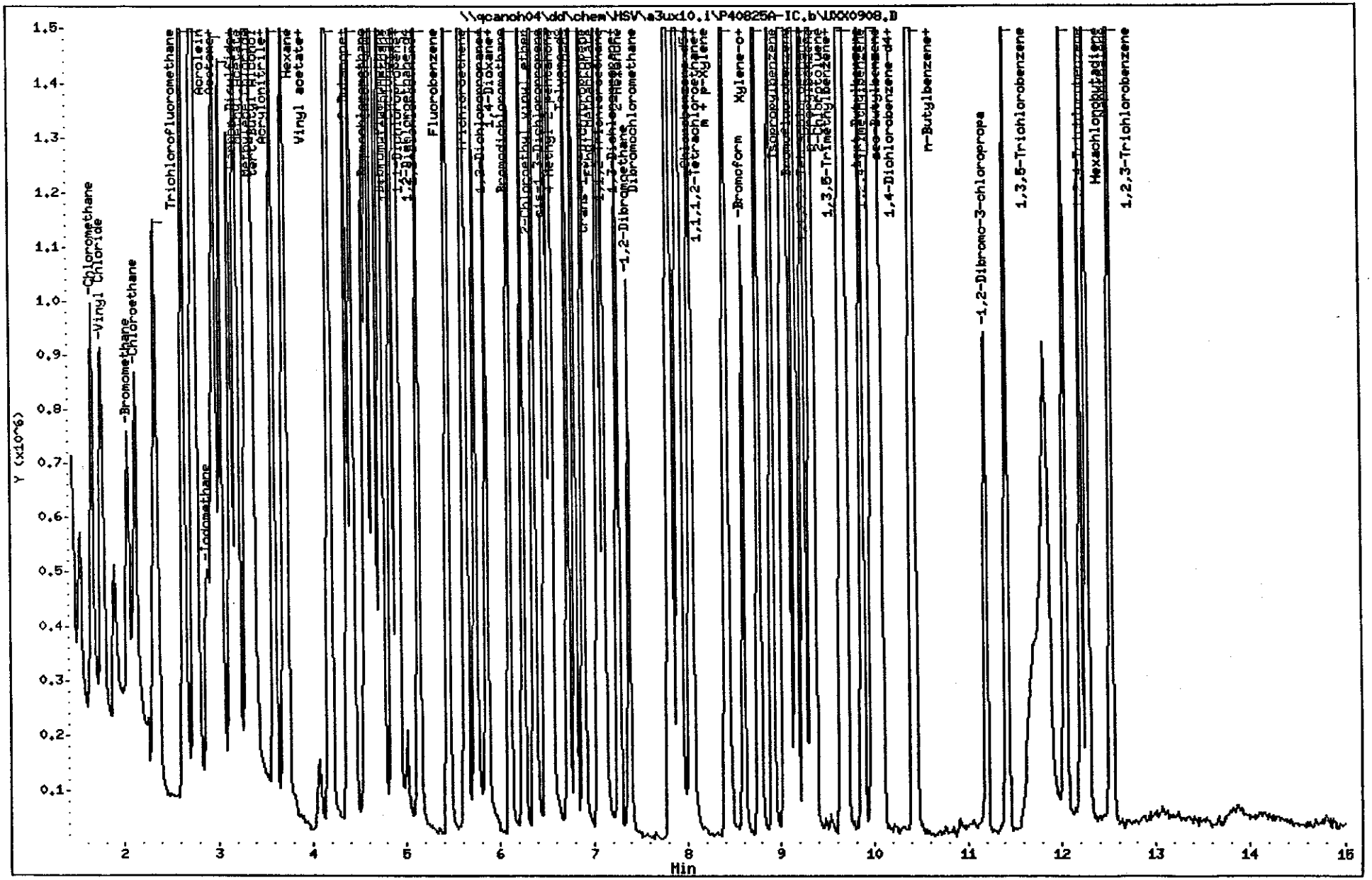
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.601	8.601	(1.102)	1311977	200.000	267.31(A)
67 Isopropylbenzene	105	8.767	8.767	(1.123)	8343088	200.000	239.87(A)
68 1,1,2,2-Tetrachloroethane	83	9.039	9.039	(0.900)	2422034	200.000	225.80(A)
69 1,4-Dichloro-2-butene	53	9.086	9.086	(0.905)	801962	200.000	201.65(A)
70 1,2,3-Trichloropropane	110	9.086	9.086	(0.905)	962095	200.000	214.66(A)
71 Bromobenzene	156	9.075	9.075	(0.903)	2170976	200.000	203.12(A)
72 n-Propylbenzene	120	9.169	9.169	(0.913)	2297711	200.000	204.60(A)
73 2-Chlorotoluene	126	9.252	9.252	(0.921)	2068127	200.000	207.83(A)
74 1,3,5-Trimethylbenzene	105	9.335	9.335	(0.929)	7373058	200.000	227.26(A)
75 4-Chlorotoluene	126	9.359	9.359	(0.932)	2152985	200.000	207.27(A)
76 tert-Butylbenzene	119	9.654	9.654	(0.961)	6338704	200.000	225.80(A)
77 1,2,4-Trimethylbenzene	105	9.702	9.702	(0.966)	7609888	200.000	227.01(A)
78 sec-Butylbenzene	105	9.867	9.867	(0.982)	8815441	200.000	239.94(A)
79 4-Isopropyltoluene	119	10.009	10.009	(0.996)	7308870	200.000	238.02(A)
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	4208797	200.000	211.75(A)
81 1,4-Dichlorobenzene	146	10.069	10.069	(1.002)	4229903	200.000	205.61(A)
82 n-Butylbenzene	91	10.412	10.412	(1.037)	6548841	200.000	248.34(A)
83 1,2-Dichlorobenzene	146	10.435	10.435	(1.039)	4095411	200.000	216.06(A)
84 1,2-Dibromo-3-chloropropane	157	11.204	11.204	(1.115)	688500	200.000	253.07(A)
85 1,2,4-Trichlorobenzene	180	12.045	12.045	(1.199)	2449462	200.000	236.45(A)
86 Hexachlorobutadiene	225	12.210	12.210	(1.216)	868688	200.000	257.41(A)
87 Naphthalene	128	12.281	12.281	(1.223)	8566927	200.000	241.82(A)
88 1,2,3-Trichlorobenzene	180	12.530	12.530	(1.247)	2282204	200.000	244.45(A)
98 Cyclohexane	56	4.661	4.661	(0.908)	3035285	200.000	236.27(A)
143 Methyl Acetate	43	3.040	3.040	(0.592)	4351273	400.000	441.51
144 Methylcyclohexane	83	5.631	5.631	(1.097)	2965526	200.000	251.85
141 1,3,5-Trichlorobenzene	180	11.429	11.429	(1.138)	2678010	200.000	240.07

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P40825A-IC.b\UXX0908.D
Date : 26-AUG-2004 00:09
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0908.D
Report Date: 26-Aug-2004 15:19

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0908.D
Lab Smp Id: 100NG-IC
Inj Date : 26-AUG-2004 00:09
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 100NG-IC
Misc Info : P40825A-IC,8260LLUX10,2-8260.SUB,1904,1,5
Comment :
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Meth Date : 26-Aug-2004 15:19 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 04:54 Cal File: UXX0873.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	2004506	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.810	(1.000)	1426142	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	792341	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.567	(0.889)	779789	100.000	111.71
$ 5 1,2-Dichloroethane-d4	65	4.851	4.851	(0.945)	1054214	100.000	114.74
$ 6 Toluene-d8	98	6.496	6.496	(0.832)	3046504	100.000	104.88
$ 7 Bromofluorobenzene	95	8.910	8.910	(1.141)	1156964	100.000	112.66
8 Dichlorodifluoromethane	85	1.526	1.526	(0.297)	519758	100.000	107.34
9 Chloromethane	50	1.657	1.657	(0.323)	1110802	100.000	92.207
10 Vinyl Chloride	62	1.751	1.751	(0.341)	952091	100.000	90.366
11 Bromomethane	94	2.035	2.035	(0.396)	460262	100.000	89.579
12 Chloroethane	64	2.118	2.118	(0.412)	804218	100.000	103.27
13 Trichlorofluoromethane	101	2.331	2.331	(0.454)	1331386	100.000	129.89
15 Acrolein	56	2.639	2.639	(0.514)	2365635	1000.00	946.38
16 Acetone	43	2.757	2.757	(0.537)	1446702	200.000	281.97(A)
17 1,1-Dichloroethene	96	2.745	2.745	(0.535)	848361	100.000	111.85
18 Freon-113	151	2.769	2.769	(0.539)	629395	100.000	127.44

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0908.D
Report Date: 26-Aug-2004 15:19

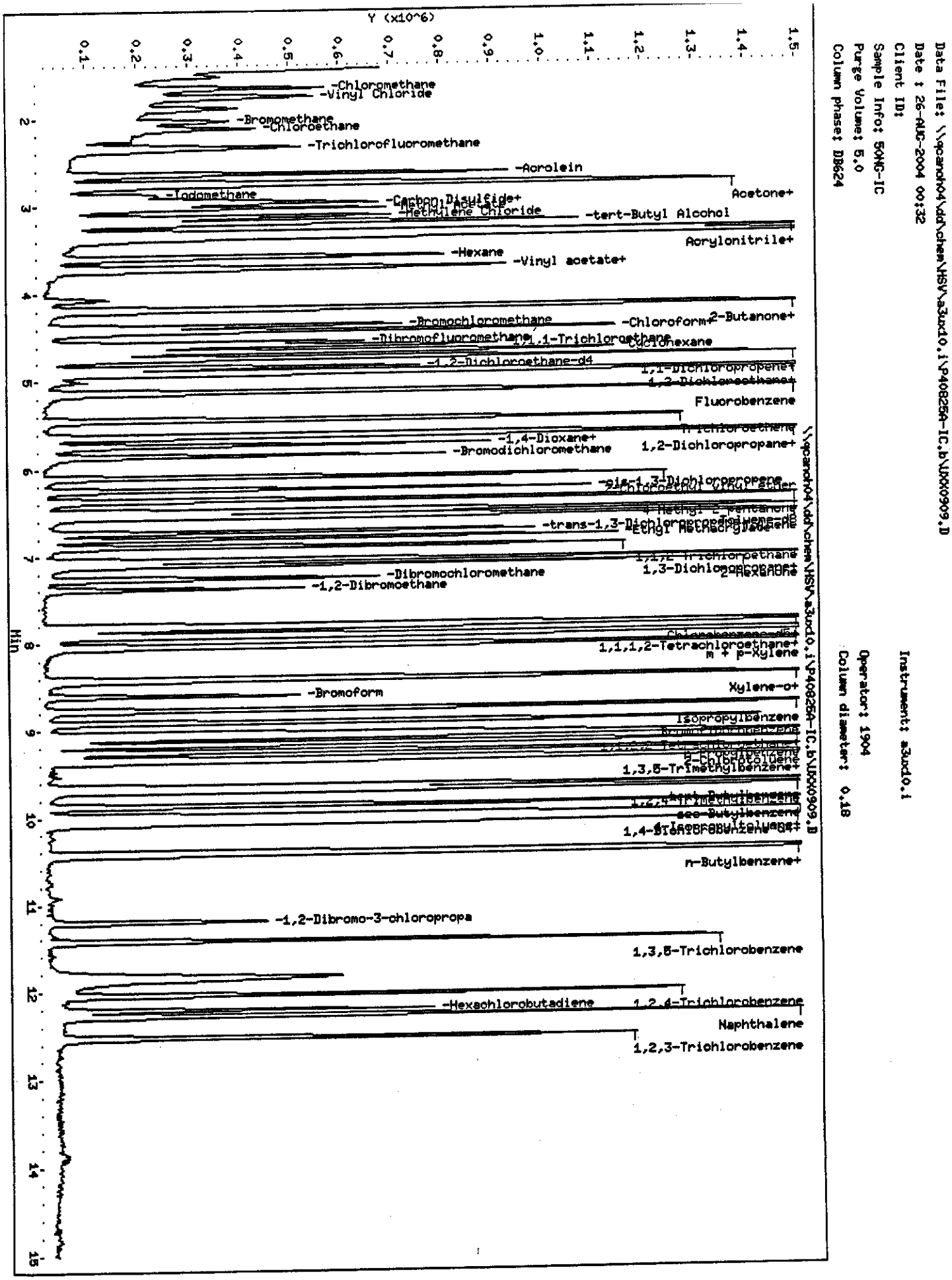
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.899	2.899	(0.565)	1059797	100.000	101.88
	20 Carbon Disulfide	76	2.958	2.958	(0.576)	2438198	100.000	107.32
	21 Methylene Chloride	84	3.136	3.136	(0.611)	876002	100.000	89.185
	22 Acetonitrile	41	2.982	2.982	(0.581)	1346308	1000.00	1079.9
	23 Acrylonitrile	53	3.313	3.313	(0.645)	5249456	1000.00	1137.4
	24 Methyl tert-butyl ether	73	3.360	3.360	(0.654)	2919200	100.000	111.55
	25 trans-1,2-Dichloroethene	96	3.360	3.360	(0.654)	923563	100.000	105.93
	26 Hexane	86	3.597	3.597	(0.700)	191806	100.000	120.16
	27 Vinyl acetate	43	3.727	3.727	(0.726)	2257821	100.000	103.39
	28 1,1-Dichloroethane	63	3.704	3.704	(0.721)	1581645	100.000	105.46
	29 tert-Butyl Alcohol	59	3.207	3.207	(0.624)	2946529	2000.00	2412.7(A)
	30 2-Butanone	43	4.177	4.177	(0.813)	1792824	200.000	249.58(A)
M	31 1,2-Dichloroethene (total)	96				1887373	200.000	211.80
	32 cis-1,2-dichloroethene	96	4.177	4.177	(0.813)	963810	100.000	105.87
	33 2,2-Dichloropropane	77	4.189	4.189	(0.816)	1011786	100.000	115.92
	34 Bromochloromethane	128	4.378	4.378	(0.853)	461293	100.000	108.47
	35 Chloroform	83	4.437	4.437	(0.864)	1584742	100.000	109.91
	36 Tetrahydrofuran	42	4.425	4.425	(0.862)	466662	100.000	102.33
	37 1,1,1-Trichloroethane	97	4.603	4.603	(0.896)	1216340	100.000	115.67
	38 1,1-Dichloropropene	75	4.733	4.733	(0.922)	1196238	100.000	112.85
	39 Carbon Tetrachloride	117	4.745	4.745	(0.924)	1063631	100.000	125.11
	40 1,2-Dichloroethane	62	4.911	4.911	(0.956)	1335389	100.000	112.00
	41 Benzene	78	4.911	4.911	(0.956)	3637585	100.000	97.284
	42 Trichloroethene	130	5.443	5.443	(1.060)	995399	100.000	105.13
	43 1,2-Dichloropropane	63	5.632	5.632	(1.097)	851378	100.000	102.71
	44 1,4-Dioxane	88	5.739	5.739	(1.118)	573263	5000.00	6085.0(A)
	45 Dibromomethane	93	5.739	5.739	(1.118)	559700	100.000	109.04
	46 Bromodichloromethane	83	5.857	5.857	(1.141)	1139100	100.000	113.90
	47 2-Chloroethyl vinyl ether	63	6.106	6.106	(1.189)	1141952	200.000	202.45(A)
	48 cis-1,3-Dichloropropene	75	6.248	6.248	(1.217)	1308744	100.000	103.23
	49 4-Methyl-2-pentanone	43	6.366	6.366	(1.240)	2831830	200.000	207.72(A)
	50 Toluene	91	6.555	6.555	(0.839)	3762970	100.000	104.48
	51 trans-1,3-Dichloropropene	75	6.733	6.733	(0.862)	1247428	100.000	108.75
	52 Ethyl Methacrylate	69	6.804	6.804	(0.871)	1276099	100.000	105.06
	53 1,1,2-Trichloroethane	97	6.898	6.898	(0.883)	763513	100.000	103.30
	54 1,3-Dichloropropane	76	7.052	7.052	(0.903)	1437174	100.000	106.68
	55 Tetrachloroethene	164	7.052	7.052	(0.903)	709856	100.000	108.41
	56 2-Hexanone	43	7.111	7.111	(0.911)	2119099	200.000	215.53(A)
	57 Dibromochloromethane	129	7.265	7.265	(0.930)	808406	100.000	116.80
	58 1,2-Dibromoethane	107	7.384	7.384	(0.945)	829509	100.000	109.05
	59 Chlorobenzene	112	7.833	7.833	(1.003)	2350880	100.000	103.24
	60 1,1,1,2-Tetrachloroethane	131	7.904	7.904	(1.012)	842238	100.000	114.32
	61 Ethylbenzene	106	7.928	7.928	(1.015)	1306060	100.000	104.52
	62 m + p-Xylene	106	8.034	8.034	(1.029)	3302911	200.000	212.62(A)
M	63 Xylenes (total)	106				4932426	300.000	318.30
	64 Xylene-o	106	8.413	8.413	(1.077)	1629515	100.000	105.69
	65 Styrene	104	8.425	8.425	(1.079)	2751342	100.000	108.93

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0908.D
Report Date: 26-Aug-2004 15:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.602	8.602	(1.102)	594379	100.000	121.84
67 Isopropylbenzene	105	8.768	8.768	(1.123)	3944925	100.000	114.04
68 1,1,2,2-Tetrachloroethane	83	9.040	9.040	(0.900)	1074856	100.000	104.25
69 1,4-Dichloro-2-butene	53	9.088	9.088	(0.905)	374859	100.000	100.66
70 1,2,3-Trichloropropane	110	9.088	9.088	(0.905)	456322	100.000	104.95
71 Bromobenzene	156	9.076	9.076	(0.903)	1041262	100.000	102.31
72 n-Propylbenzene	120	9.170	9.170	(0.913)	1096172	100.000	102.56
73 2-Chlorotoluene	126	9.253	9.253	(0.921)	978627	100.000	102.84
74 1,3,5-Trimethylbenzene	105	9.336	9.336	(0.929)	3429111	100.000	110.17
75 4-Chlorotoluene	126	9.360	9.360	(0.932)	1020443	100.000	103.23
76 tert-Butylbenzene	119	9.656	9.656	(0.961)	2930818	100.000	108.93
77 1,2,4-Trimethylbenzene	105	9.703	9.703	(0.966)	3517114	100.000	109.14
78 sec-Butylbenzene	105	9.869	9.869	(0.982)	4028253	100.000	114.18
79 4-Isopropyltoluene	119	10.011	10.011	(0.996)	3373929	100.000	113.78
80 1,3-Dichlorobenzene	146	9.987	9.987	(0.994)	1959175	100.000	102.65
81 1,4-Dichlorobenzene	146	10.070	10.070	(1.002)	2027881	100.000	102.82
82 n-Butylbenzene	91	10.413	10.413	(1.037)	2912973	100.000	114.19
83 1,2-Dichlorobenzene	146	10.436	10.436	(1.039)	1885808	100.000	103.78
84 1,2-Dibromo-3-chloropropane	157	11.206	11.206	(1.115)	312795	100.000	116.78
85 1,2,4-Trichlorobenzene	180	12.034	12.034	(1.198)	1055058	100.000	104.52
86 Hexachlorobutadiene	225	12.211	12.211	(1.216)	354696	100.000	107.76
87 Naphthalene	128	12.282	12.282	(1.223)	3644826	100.000	105.34
88 1,2,3-Trichlorobenzene	180	12.531	12.531	(1.247)	933596	100.000	102.52
98 Cyclohexane	56	4.662	4.662	(0.908)	1473471	100.000	117.00
143 Methyl Acetate	43	3.041	3.041	(0.592)	2064908	200.000	207.99
144 Methylcyclohexane	83	5.632	5.632	(1.097)	1414217	100.000	121.26
141 1,3,5-Trichlorobenzene	180	11.430	11.430	(1.138)	1146407	100.000	105.51

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
Acetone+
-Iodomethane
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
Acrylonitrile+
-Hexane
-Vinyl acetate+
-Bromochloromethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane
1,1,1-Trichloroethane
Cyclohexane
-1,2-Dichloroethane-d4
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-1,4-Dioxane+
1,2-Dichloropropane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
2-Chloroethyl Vinyl Ether
4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
Ethyl Methacrylate
1,1,2-Trichloroethane
1,3-Dichloropropane+
2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5
1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
-Bromoform
Isopropylbenzene
Bromobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene+
1,3,5-Trimethylbenzene+
4-Chlorotoluene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
4-Isopropyltoluene+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-Hexachlorobutadiene
1,2,4-Trichlorobenzene
Naphthalene
1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0909.D
Report Date: 26-Aug-2004 15:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0909.D
Lab Smp Id: 50NG-IC
Inj Date : 26-AUG-2004 00:32
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-IC
Misc Info : P40825A-IC,8260LLUX10,2-8260.SUB,1904,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Meth Date : 26-Aug-2004 15:22 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	2043056	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1422166	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	778405	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.567	(0.889)	387197	50.0000	50.528
$ 5 1,2-Dichloroethane-d4	65	4.851	4.851	(0.945)	541325	50.0000	51.236
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	1486626	50.0000	50.729
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	562208	50.0000	49.383
8 Dichlorodifluoromethane	85	1.526	1.526	(0.297)	260529	50.0000	57.340
9 Chloromethane	50	1.656	1.656	(0.323)	515478	50.0000	49.054
10 Vinyl Chloride	62	1.762	1.762	(0.343)	472649	50.0000	51.419
11 Bromomethane	94	2.034	2.034	(0.396)	185025	50.0000	41.373
12 Chloroethane	64	2.117	2.117	(0.412)	345183	50.0000	46.443
13 Trichlorofluoromethane	101	2.342	2.342	(0.456)	553680	50.0000	50.563
15 Acrolein	56	2.638	2.638	(0.514)	984705	500.000	441.85
16 Acetone	43	2.768	2.768	(0.539)	642165	100.000	88.018
17 1,1-Dichloroethene	96	2.756	2.756	(0.537)	370727	50.0000	46.257
18 Freon-113	151	2.768	2.768	(0.539)	263028	50.0000	45.362

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0909.D
Report Date: 26-Aug-2004 15:22

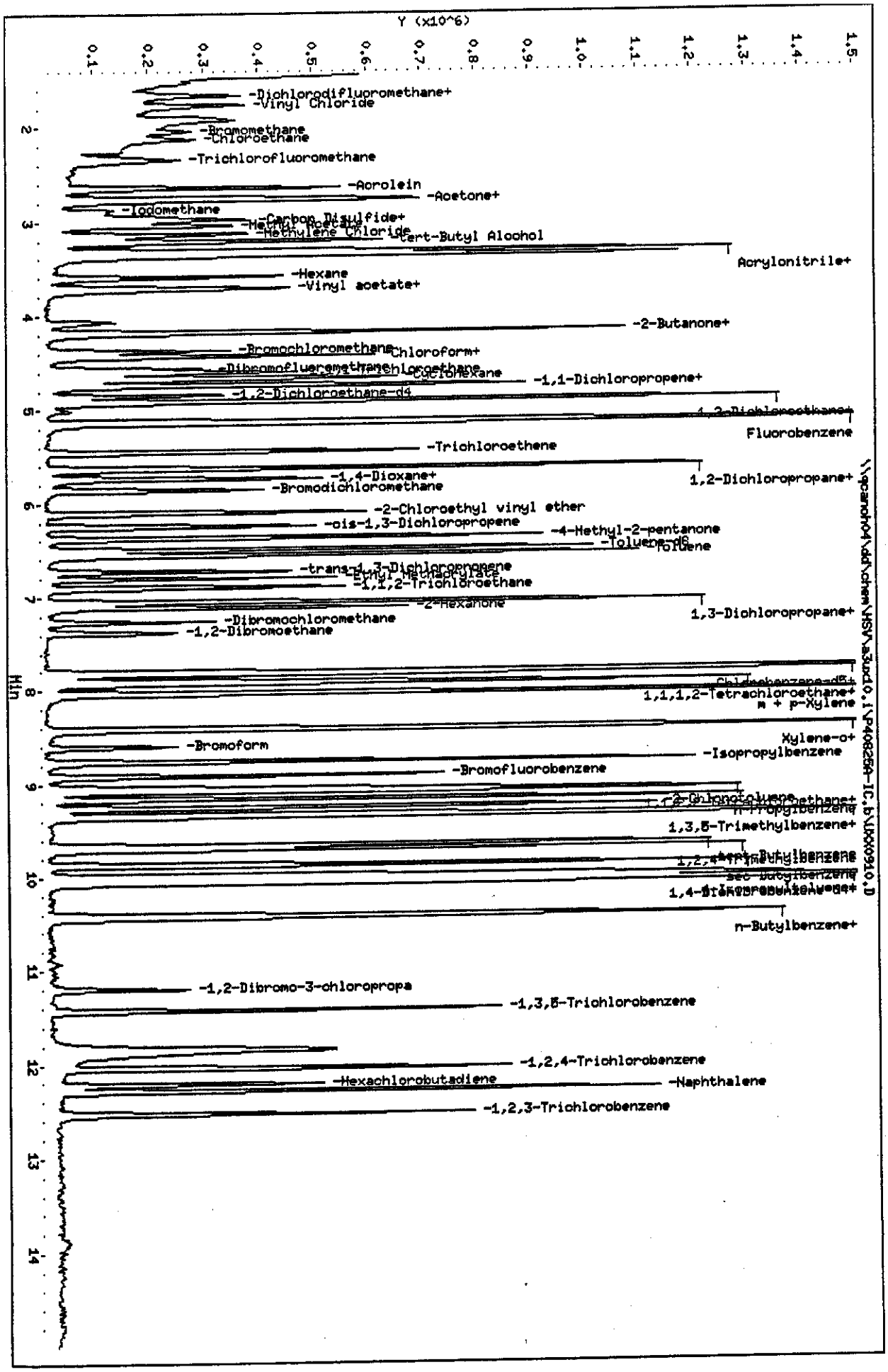
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.898	2.898	(0.564)	501310	50.0000	47.644
	20 Carbon Disulfide	76	2.957	2.957	(0.576)	1085192	50.0000	46.737
	21 Methylene Chloride	84	3.135	3.135	(0.611)	441305	50.0000	39.635
	22 Acetonitrile	41	2.981	2.981	(0.581)	638582	500.000	382.86
	23 Acrylonitrile	53	3.312	3.312	(0.645)	2395689	500.000	472.05
	24 Methyl tert-butyl ether	73	3.360	3.360	(0.654)	1391719	50.0000	49.356
	25 trans-1,2-Dichloroethene	96	3.360	3.360	(0.654)	436854	50.0000	48.874
	26 Hexane	86	3.596	3.596	(0.700)	83772	50.0000	46.726
	27 Vinyl acetate	43	3.726	3.726	(0.726)	1015196	50.0000	47.471
	28 1,1-Dichloroethane	63	3.703	3.703	(0.721)	767135	50.0000	49.306
	29 tert-Butyl Alcohol	59	3.206	3.206	(0.624)	1422753	1000.00	842.67
	30 2-Butanone	43	4.176	4.176	(0.813)	774963	100.000	90.701
M	31 1,2-Dichloroethene (total)	96				906537	100.000	97.585
	32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	469683	50.0000	48.711
	33 2,2-Dichloropropane	77	4.188	4.188	(0.816)	457333	50.0000	47.590
	34 Bromochloromethane	128	4.377	4.377	(0.853)	220045	50.0000	48.256
	35 Chloroform	83	4.436	4.436	(0.864)	759113	50.0000	47.683
	36 Tetrahydrofuran	42	4.425	4.425	(0.862)	214702	50.0000	43.490
	37 1,1,1-Trichloroethane	97	4.602	4.602	(0.896)	584758	50.0000	47.685
	38 1,1-Dichloropropene	75	4.744	4.744	(0.924)	546689	50.0000	45.166
	39 Carbon Tetrachloride	117	4.756	4.756	(0.926)	465282	50.0000	46.253
	40 1,2-Dichloroethane	62	4.910	4.910	(0.956)	642104	50.0000	48.272
	41 Benzene	78	4.910	4.910	(0.956)	1766715	50.0000	45.814
	42 Trichloroethene	130	5.454	5.454	(1.062)	485936	50.0000	48.100
	43 1,2-Dichloropropane	63	5.632	5.632	(1.097)	399913	50.0000	48.969
	44 1,4-Dioxane	88	5.738	5.738	(1.118)	215467	2500.00	1640.1(A)
	45 Dibromomethane	93	5.738	5.738	(1.118)	265885	50.0000	49.189
	46 Bromodichloromethane	83	5.856	5.856	(1.141)	538802	50.0000	48.772
	47 2-Chloroethyl vinyl ether	63	6.105	6.105	(1.189)	539910	100.000	97.172
	48 cis-1,3-Dichloropropene	75	6.247	6.247	(1.217)	637061	50.0000	51.370
	49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	1335544	100.000	96.656
	50 Toluene	91	6.554	6.554	(0.839)	1757500	50.0000	49.053
	51 trans-1,3-Dichloropropene	75	6.732	6.732	(0.862)	567888	50.0000	48.901
	52 Ethyl Methacrylate	69	6.803	6.803	(0.871)	587175	50.0000	49.909
	53 1,1,2-Trichloroethane	97	6.898	6.898	(0.883)	363653	50.0000	49.100
	54 1,3-Dichloropropane	76	7.051	7.051	(0.903)	662894	50.0000	49.217
	55 Tetrachloroethene	164	7.063	7.063	(0.905)	327988	50.0000	47.567
	56 2-Hexanone	43	7.111	7.111	(0.911)	972193	100.000	98.577
	57 Dibromochloromethane	129	7.264	7.264	(0.930)	373704	50.0000	51.150
	58 1,2-Dibromoethane	107	7.383	7.383	(0.945)	389838	50.0000	50.799
	59 Chlorobenzene	112	7.832	7.832	(1.003)	1124495	50.0000	48.538
	60 1,1,1,2-Tetrachloroethane	131	7.903	7.903	(1.012)	393572	50.0000	49.504
	61 Ethylbenzene	106	7.927	7.927	(1.015)	599640	50.0000	48.678
	62 m + p-Xylene	106	8.034	8.034	(1.029)	1538108	100.000	97.108
M	63 Xylenes (total)	106				2337334	150.000	147.40
	64 Xylene-o	106	8.412	8.412	(1.077)	799226	50.0000	50.288
	65 Styrene	104	8.424	8.424	(1.079)	1271405	50.0000	50.160

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0909.D
Report Date: 26-Aug-2004 15:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.602	8.602	(1.102)	275512	50.0000	51.683
67 Isopropylbenzene	105	8.767	8.767	(1.123)	1790435	50.0000	48.218
68 1,1,2,2-Tetrachloroethane	83	9.039	9.039	(0.900)	487077	50.0000	48.234
69 1,4-Dichloro-2-butene	53	9.087	9.087	(0.905)	167778	50.0000	51.716
70 1,2,3-Trichloropropane	110	9.087	9.087	(0.905)	225226	50.0000	53.234
71 Bromobenzene	156	9.075	9.075	(0.903)	492793	50.0000	50.455
72 n-Propylbenzene	120	9.170	9.170	(0.913)	513531	50.0000	50.097
73 2-Chlorotoluene	126	9.252	9.252	(0.921)	474963	50.0000	49.722
74 1,3,5-Trimethylbenzene	105	9.335	9.335	(0.929)	1560631	50.0000	49.355
75 4-Chlorotoluene	126	9.359	9.359	(0.932)	480285	50.0000	49.132
76 tert-Butylbenzene	119	9.655	9.655	(0.961)	1325387	50.0000	49.108
77 1,2,4-Trimethylbenzene	105	9.702	9.702	(0.966)	1659387	50.0000	50.021
78 sec-Butylbenzene	105	9.868	9.868	(0.982)	1779313	50.0000	47.978
79 4-Isopropyltoluene	119	10.010	10.010	(0.996)	1511465	50.0000	49.030
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	926397	50.0000	48.698
81 1,4-Dichlorobenzene	146	10.069	10.069	(1.002)	1013512	50.0000	50.075
82 n-Butylbenzene	91	10.412	10.412	(1.037)	1301347	50.0000	48.016
83 1,2-Dichlorobenzene	146	10.436	10.436	(1.039)	901940	50.0000	48.392
84 1,2-Dibromo-3-chloropropane	157	11.205	11.205	(1.115)	136830	50.0000	48.757
85 1,2,4-Trichlorobenzene	180	12.045	12.045	(1.199)	490459	50.0000	44.966
86 Hexachlorobutadiene	225	12.211	12.211	(1.216)	162919	50.0000	42.876
87 Naphthalene	128	12.282	12.282	(1.223)	1697064	50.0000	45.308
88 1,2,3-Trichlorobenzene	180	12.530	12.530	(1.247)	436873	50.0000	42.258
98 Cyclohexane	56	4.661	4.661	(0.908)	639536	50.0000	45.621
143 Methyl Acetate	43	3.040	3.040	(0.592)	968786	100.000	92.052
144 Methylcyclohexane	83	5.632	5.632	(1.097)	597535	50.0000	45.568
141 1,3,5-Trichlorobenzene	180	11.430	11.430	(1.138)	538924	50.0000	45.512

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ud10.i\P408250A-IC.b\UDX0910.D
Date : 26-AUG-2004 00:55
Client ID:
Sample Info: 25NC-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ud10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane
-1,1,1-Trichloroethane
-Cyclohexane
-1,1-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
-Isopropylbenzene
-Bromofluorobenzene
-2-Chlorotoluene
-1,2,3-Trichloropropane+
n-Propylbenzene
1,3,5-Trimethylbenzene+
1,2,4-Trimethylbenzene
tert-Butylbenzene
sec-butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ud10.i\P408250A-IC.b\UDX0910.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0910.D
Report Date: 26-Aug-2004 15:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0910.D
Lab Smp Id: 25NG-IC
Inj Date : 26-AUG-2004 00:55
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 25NG-IC
Misc Info : P40825A-IC,8260LLUX10,2-8260.SUB,1904,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Meth Date : 26-Aug-2004 15:20 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 05:40 Cal File: UXX0875.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.137	5.137	(1.000)	2021574	50.0000	
* 2 Chlorobenzene-d5	117	7.811	7.811	(1.000)	1396972	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.047	10.047	(1.000)	810926	50.0000	
$ 4 Dibromofluoromethane	113	4.569	4.569	(0.889)	186150	25.0000	26.099
$ 5 1,2-Dichloroethane-d4	65	4.853	4.853	(0.945)	255567	25.0000	27.042
$ 6 Toluene-d8	98	6.497	6.497	(0.832)	721539	25.0000	25.187
$ 7 Bromofluorobenzene	95	8.911	8.911	(1.141)	280944	25.0000	27.148
8 Dichlorodifluoromethane	85	1.528	1.528	(0.297)	114024	25.0000	23.922
9 Chloromethane	50	1.658	1.658	(0.323)	255027	25.0000	21.976
10 Vinyl Chloride	62	1.764	1.764	(0.344)	242184	25.0000	23.449
11 Bromomethane	94	2.036	2.036	(0.397)	101940	25.0000	20.359
12 Chloroethane	64	2.119	2.119	(0.413)	185738	25.0000	23.894
13 Trichlorofluoromethane	101	2.332	2.332	(0.454)	257651	25.0000	24.486
15 Acrolein	56	2.640	2.640	(0.514)	540571	250.000	220.23
16 Acetone	43	2.770	2.770	(0.539)	324385	50.0000	57.562
17 1,1-Dichloroethene	96	2.758	2.758	(0.537)	191283	25.0000	24.877
18 Freon-113	151	2.770	2.770	(0.539)	136990	25.0000	26.724

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0910.D
Report Date: 26-Aug-2004 15:20

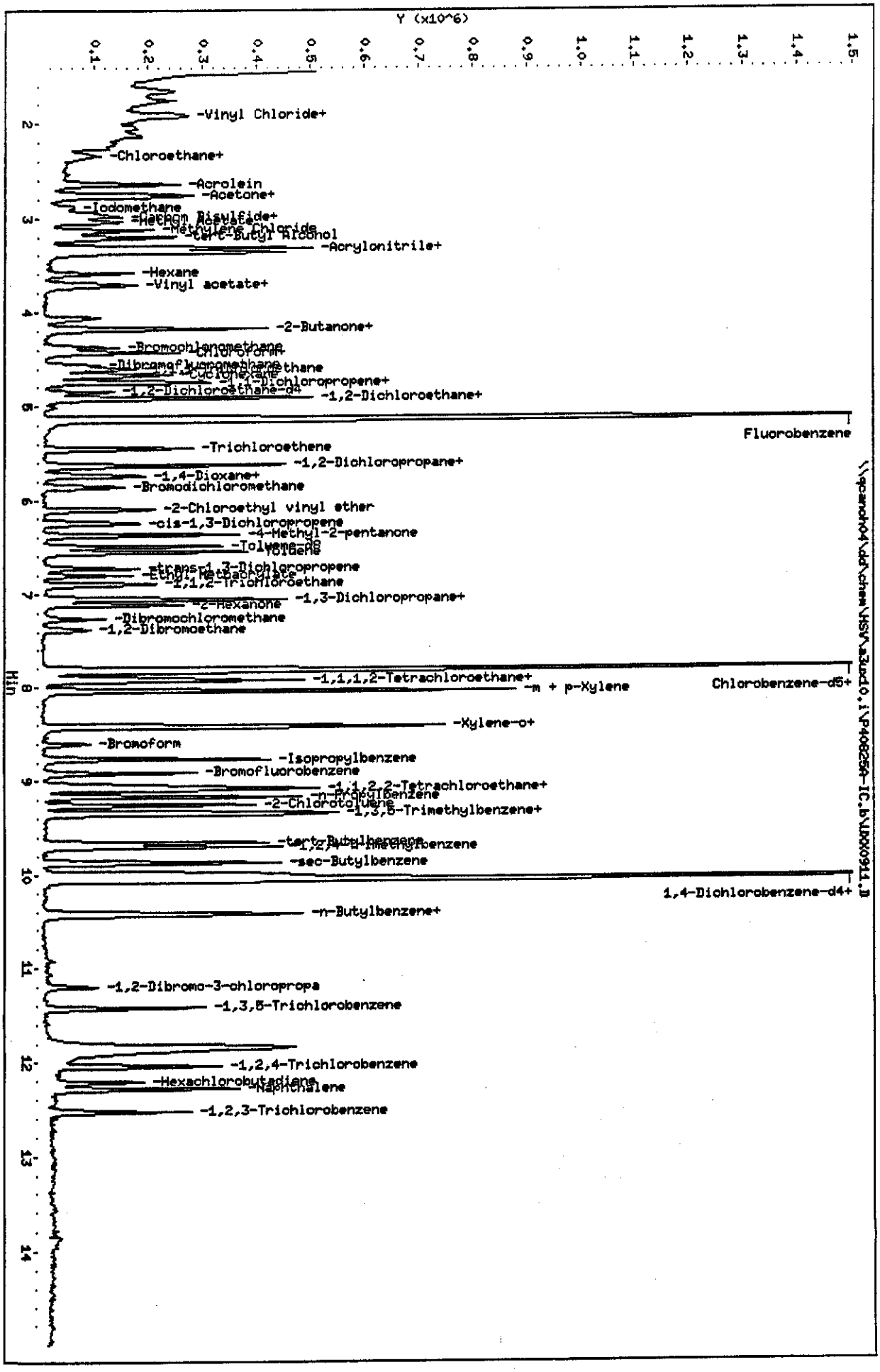
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.877	2.877	(0.560)	260673	25.0000	25.088
	20 Carbon Disulfide	76	2.959	2.959	(0.576)	562090	25.0000	24.574
	21 Methylene Chloride	84	3.137	3.137	(0.611)	254120	25.0000	25.230
	22 Acetonitrile	41	2.995	2.995	(0.583)	422683	250.000	307.44
	23 Acrylonitrile	53	3.314	3.314	(0.645)	1211229	250.000	254.28
	24 Methyl tert-butyl ether	73	3.362	3.362	(0.654)	694059	25.0000	25.924
	25 trans-1,2-Dichloroethene	96	3.362	3.362	(0.654)	209997	25.0000	23.868
	26 Hexane	86	3.598	3.598	(0.701)	45247	25.0000	27.155
	27 Vinyl acetate	43	3.728	3.728	(0.726)	500868	25.0000	22.856
	28 1,1-Dichloroethane	63	3.705	3.705	(0.721)	380143	25.0000	24.963
	29 tert-Butyl Alcohol	59	3.208	3.208	(0.625)	851119	500.000	633.71
	30 2-Butanone	43	4.178	4.178	(0.813)	392874	50.0000	52.019
M	31 1,2-Dichloroethene (total)	96				434491	50.0000	48.228
	32 cis-1,2-dichloroethene	96	4.178	4.178	(0.813)	224494	25.0000	24.360
	33 2,2-Dichloropropane	77	4.178	4.178	(0.813)	224099	25.0000	25.274
	34 Bromochloromethane	128	4.379	4.379	(0.853)	110943	25.0000	25.558
	35 Chloroform	83	4.427	4.427	(0.862)	390077	25.0000	26.181
	36 Tetrahydrofuran	42	4.427	4.427	(0.862)	120920	25.0000	25.650
	37 1,1,1-Trichloroethane	97	4.604	4.604	(0.896)	306508	25.0000	27.937
	38 1,1-Dichloropropene	75	4.734	4.734	(0.922)	280992	25.0000	25.817
	39 Carbon Tetrachloride	117	4.746	4.746	(0.924)	248497	25.0000	27.838
	40 1,2-Dichloroethane	62	4.912	4.912	(0.956)	316621	25.0000	25.718
	41 Benzene	78	4.912	4.912	(0.956)	909164	25.0000	24.067
	42 Trichloroethene	130	5.444	5.444	(1.060)	251168	25.0000	25.959
	43 1,2-Dichloropropane	63	5.634	5.634	(1.097)	193671	25.0000	23.308
	44 1,4-Dioxane	88	5.740	5.740	(1.117)	173670	1250.00	1692.5(A)
	45 Dibromomethane	93	5.728	5.728	(1.115)	133411	25.0000	25.307
	46 Bromodichloromethane	83	5.858	5.858	(1.141)	260046	25.0000	25.403
	47 2-Chloroethyl vinyl ether	63	6.107	6.107	(1.189)	269728	50.0000	47.428
	48 cis-1,3-Dichloropropene	75	6.249	6.249	(1.217)	279102	25.0000	22.178
	49 4-Methyl-2-pentanone	43	6.367	6.367	(1.240)	659562	50.0000	47.726
	50 Toluene	91	6.557	6.557	(0.839)	871203	25.0000	24.700
	51 trans-1,3-Dichloropropene	75	6.734	6.734	(0.862)	282417	25.0000	24.980
	52 Ethyl Methacrylate	69	6.805	6.805	(0.871)	291229	25.0000	24.622
	53 1,1,2-Trichloroethane	97	6.900	6.900	(0.883)	180605	25.0000	24.768
	54 1,3-Dichloropropane	76	7.054	7.054	(0.903)	329440	25.0000	24.794
	55 Tetrachloroethene	164	7.054	7.054	(0.903)	163688	25.0000	25.111
	56 2-Hexanone	43	7.113	7.113	(0.911)	469151	50.0000	48.620
	57 Dibromochloromethane	129	7.266	7.266	(0.930)	174890	25.0000	25.413
	58 1,2-Dibromoethane	107	7.373	7.373	(0.944)	186179	25.0000	24.843
	59 Chlorobenzene	112	7.834	7.834	(1.003)	557383	25.0000	24.827
	60 1,1,1,2-Tetrachloroethane	131	7.905	7.905	(1.012)	186911	25.0000	25.471
	61 Ethylbenzene	106	7.929	7.929	(1.015)	308129	25.0000	25.024
	62 m + p-Xylene	106	8.036	8.036	(1.029)	773985	50.0000	50.334
M	63 Xylenes (total)	106				1159727	75.0000	75.605
	64 Xylene-o	106	8.414	8.414	(1.077)	385742	25.0000	25.270
	65 Styrene	104	8.426	8.426	(1.079)	615551	25.0000	24.745

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0910.D
Report Date: 26-Aug-2004 15:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.604	8.604	(1.101)	129411	25.0000	26.426
67 Isopropylbenzene	105	8.769	8.769	(1.123)	897839	25.0000	25.972
68 1,1,2,2-Tetrachloroethane	83	9.041	9.041	(0.900)	259738	25.0000	24.575
69 1,4-Dichloro-2-butene	53	9.089	9.089	(0.905)	77213	25.0000	20.892
70 1,2,3-Trichloropropane	110	9.089	9.089	(0.905)	114199	25.0000	25.393
71 Bromobenzene	156	9.065	9.065	(0.902)	250555	25.0000	24.107
72 n-Propylbenzene	120	9.160	9.160	(0.912)	267796	25.0000	24.539
73 2-Chlorotoluene	126	9.254	9.254	(0.921)	252078	25.0000	25.754
74 1,3,5-Trimethylbenzene	105	9.337	9.337	(0.929)	802688	25.0000	25.046
75 4-Chlorotoluene	126	9.361	9.361	(0.932)	246284	25.0000	24.450
76 tert-Butylbenzene	119	9.657	9.657	(0.961)	691505	25.0000	25.333
77 1,2,4-Trimethylbenzene	105	9.704	9.704	(0.966)	841127	25.0000	25.334
78 sec-Butylbenzene	105	9.870	9.870	(0.982)	962621	25.0000	26.186
79 4-Isopropyltoluene	119	10.012	10.012	(0.996)	810910	25.0000	26.224
80 1,3-Dichlorobenzene	146	9.988	9.988	(0.994)	488039	25.0000	25.000
81 1,4-Dichlorobenzene	146	10.071	10.071	(1.002)	505297	25.0000	24.918
82 n-Butylbenzene	91	10.414	10.414	(1.037)	717371	25.0000	26.772
83 1,2-Dichlorobenzene	146	10.438	10.438	(1.039)	504318	25.0000	26.640
84 1,2-Dibromo-3-chloropropane	157	11.207	11.207	(1.115)	75795	25.0000	26.842
85 1,2,4-Trichlorobenzene	180	12.035	12.035	(1.198)	307038	25.0000	28.597
86 Hexachlorobutadiene	225	12.213	12.213	(1.216)	106504	25.0000	29.956
87 Naphthalene	128	12.284	12.284	(1.223)	1035957	25.0000	28.058
88 1,2,3-Trichlorobenzene	180	12.532	12.532	(1.247)	289825	25.0000	29.623
98 Cyclohexane	56	4.663	4.663	(0.908)	355329	25.0000	27.154
143 Methyl Acetate	43	3.042	3.042	(0.592)	498409	50.0000	49.177
144 Methylcyclohexane	83	5.622	5.622	(1.094)	321978	25.0000	26.371
141 1,3,5-Trichlorobenzene	180	11.432	11.432	(1.138)	324429	25.0000	28.261

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 26-AUG-2004 01:18
Client ID:
Sample Info: 10NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Vinyl Chloride+
-Chloroethane+
-Acrolein
-Acetone+
-Iodomethane
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
Chlorobenzene-d5+
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0911.D
Report Date: 26-Aug-2004 15:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0911.D
Lab Smp Id: 10NG-IC
Inj Date : 26-AUG-2004 01:18
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 10NG-IC
Misc Info : P40825A-IC,8260LLUX10,2-8260.SUB,1904,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Meth Date : 26-Aug-2004 15:20 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:03 Cal File: UXX0876.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.138	5.138	(1.000)	1903074	50.0000	
* 2 Chlorobenzene-d5	117	7.812	7.812	(1.000)	1333906	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.049	10.049	(1.000)	747773	50.0000	
$ 4 Dibromofluoromethane	113	4.558	4.558	(0.887)	69850	10.0000	10.160
$ 5 1,2-Dichloroethane-d4	65	4.842	4.842	(0.942)	95235	10.0000	10.357
$ 6 Toluene-d8	98	6.499	6.499	(0.832)	260090	10.0000	9.505
$ 7 Bromofluorobenzene	95	8.913	8.913	(1.141)	103293	10.0000	10.208
8 Dichlorodifluoromethane	85	1.517	1.517	(0.295)	30244	10.0000	6.896
9 Chloromethane	50	1.659	1.659	(0.323)	96921	10.0000	9.210
10 Vinyl Chloride	62	1.754	1.754	(0.341)	75169	10.0000	8.147
11 Bromomethane	94	2.038	2.038	(0.397)	36069	10.0000	7.947
12 Chloroethane	64	2.121	2.121	(0.413)	55624	10.0000	7.870
13 Trichlorofluoromethane	101	2.334	2.334	(0.454)	73339	10.0000	7.311
15 Acrolein	56	2.641	2.641	(0.514)	219421	100.000	96.834
16 Acetone	43	2.760	2.760	(0.537)	137995	20.0000	23.484
17 1,1-Dichloroethene	96	2.736	2.736	(0.533)	71892	10.0000	9.898
18 Freon-113	151	2.772	2.772	(0.539)	49064	10.0000	9.920

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0911.D
Report Date: 26-Aug-2004 15:21

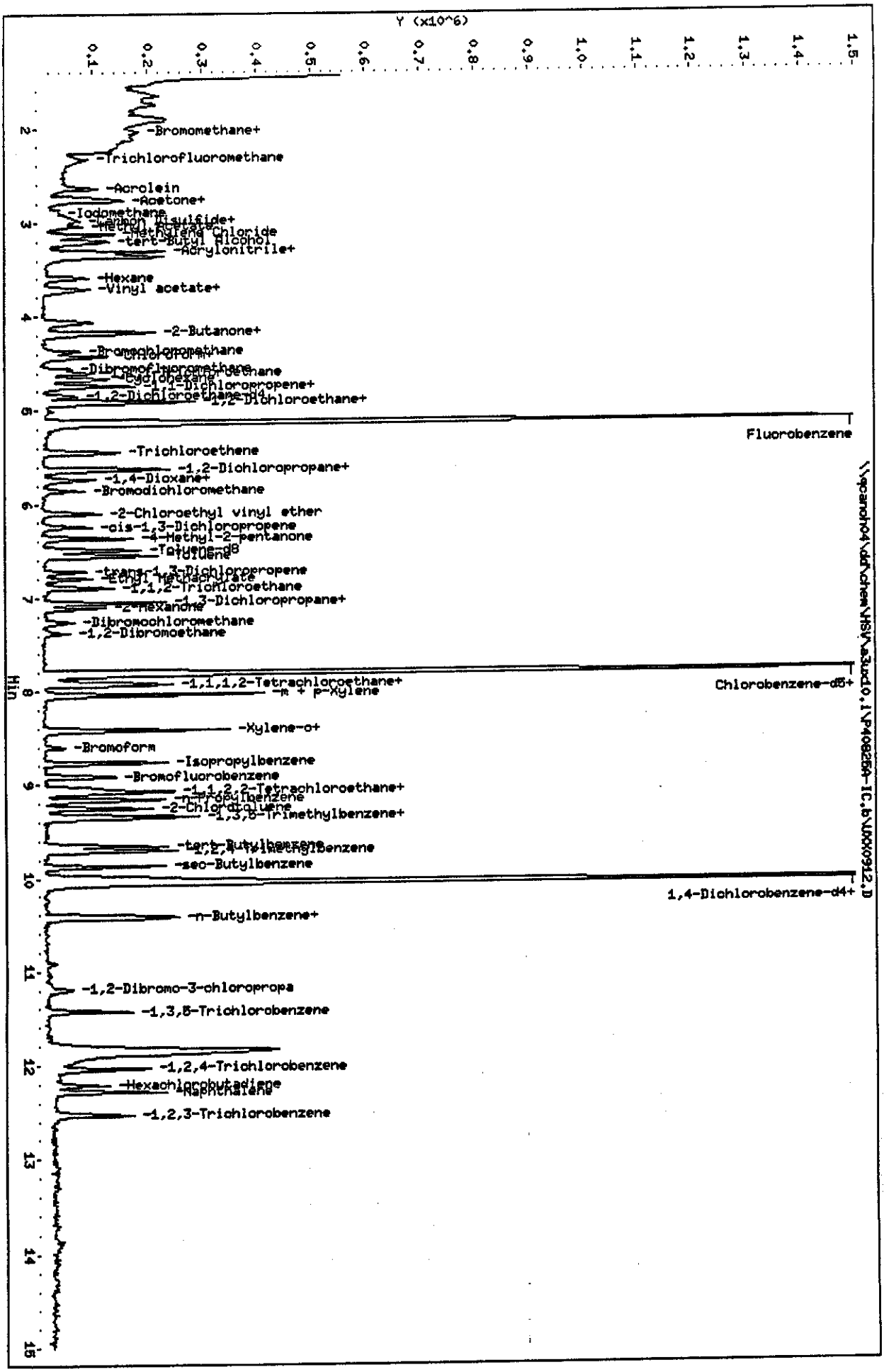
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.878	2.878	(0.560)	108125	10.0000	10.962
	20 Carbon Disulfide	76	2.949	2.949	(0.574)	209486	10.0000	9.725
	21 Methylene Chloride	84	3.126	3.126	(0.609)	123063	10.0000	12.652
	22 Acetonitrile	41	2.984	2.984	(0.581)	166472	100.000	119.35
	23 Acrylonitrile	53	3.316	3.316	(0.645)	468360	100.000	102.27
	24 Methyl tert-butyl ether	73	3.363	3.363	(0.655)	265147	10.0000	10.311
	25 trans-1,2-Dichloroethene	96	3.363	3.363	(0.655)	79563	10.0000	9.607
	26 Hexane	86	3.588	3.588	(0.698)	15010	10.0000	9.370
	27 Vinyl acetate	43	3.730	3.730	(0.726)	185230	10.0000	9.100
	28 1,1-Dichloroethane	63	3.706	3.706	(0.721)	140166	10.0000	9.759
	29 tert-Butyl Alcohol	59	3.209	3.209	(0.625)	337372	200.000	242.60
	30 2-Butanone	43	4.168	4.168	(0.811)	155227	20.0000	20.929
M	31 1,2-Dichloroethene (total)	96				171769	20.0000	20.066
	32 cis-1,2-dichloroethene	96	4.180	4.180	(0.813)	92206	10.0000	10.459
	33 2,2-Dichloropropane	77	4.180	4.180	(0.813)	90982	10.0000	10.551
	34 Bromochloromethane	128	4.369	4.369	(0.850)	42751	10.0000	10.206
	35 Chloroform	83	4.428	4.428	(0.862)	152192	10.0000	10.558
	36 Tetrahydrofuran	42	4.428	4.428	(0.862)	47266	10.0000	10.385
	37 1,1,1-Trichloroethane	97	4.606	4.606	(0.896)	113209	10.0000	10.652
	38 1,1-Dichloropropene	75	4.736	4.736	(0.922)	108519	10.0000	10.310
	39 Carbon Tetrachloride	117	4.748	4.748	(0.924)	86956	10.0000	10.082
	40 1,2-Dichloroethane	62	4.913	4.913	(0.956)	126445	10.0000	10.517
	41 Benzene	78	4.913	4.913	(0.956)	377513	10.0000	10.578
	42 Trichloroethene	130	5.446	5.446	(1.060)	97457	10.0000	10.536
	43 1,2-Dichloropropane	63	5.635	5.635	(1.097)	73514	10.0000	9.499
	44 1,4-Dioxane	88	5.742	5.742	(1.117)	66387	500.000	601.18(A)
	45 Dibromomethane	93	5.730	5.730	(1.115)	47503	10.0000	9.608
	46 Bromodichloromethane	83	5.860	5.860	(1.140)	100188	10.0000	10.130
	47 2-Chloroethyl vinyl ether	63	6.108	6.108	(1.189)	100043	20.0000	18.831
	48 cis-1,3-Dichloropropene	75	6.250	6.250	(1.216)	107618	10.0000	9.226
	49 4-Methyl-2-pentanone	43	6.369	6.369	(1.239)	252749	20.0000	19.646
	50 Toluene	91	6.558	6.558	(0.839)	320356	10.0000	9.477
	51 trans-1,3-Dichloropropene	75	6.724	6.724	(0.861)	105473	10.0000	9.681
	52 Ethyl Methacrylate	69	6.806	6.806	(0.871)	101137	10.0000	8.991
	53 1,1,2-Trichloroethane	97	6.901	6.901	(0.883)	67187	10.0000	9.614
	54 1,3-Dichloropropane	76	7.055	7.055	(0.903)	123017	10.0000	9.706
	55 Tetrachloroethene	164	7.055	7.055	(0.903)	61286	10.0000	9.866
	56 2-Hexanone	43	7.114	7.114	(0.911)	186947	20.0000	20.245
	57 Dibromochloromethane	129	7.268	7.268	(0.930)	66788	10.0000	9.901
	58 1,2-Dibromoethane	107	7.374	7.374	(0.944)	67278	10.0000	9.420
	59 Chlorobenzene	112	7.836	7.836	(1.003)	213024	10.0000	9.947
	60 1,1,1,2-Tetrachloroethane	131	7.907	7.907	(1.012)	71349	10.0000	9.958
	61 Ethylbenzene	106	7.931	7.931	(1.015)	112736	10.0000	9.605
	62 m + p-Xylene	106	8.037	8.037	(1.029)	282087	20.0000	19.141
M	63 Xylenes (total)	106				425329	30.0000	28.843
	64 Xylene-o	106	8.416	8.416	(1.077)	143242	10.0000	9.702
	65 Styrene	104	8.428	8.428	(1.079)	219577	10.0000	9.228

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0911.D
Report Date: 26-Aug-2004 15:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.605	8.605	(1.101)	45168	10.0000	9.433
67 Isopropylbenzene	105	8.771	8.771	(1.123)	325618	10.0000	9.676
68 1,1,2,2-Tetrachloroethane	83	9.031	9.031	(0.899)	90170	10.0000	9.298
69 1,4-Dichloro-2-butene	53	9.090	9.090	(0.905)	29994	10.0000	8.994
70 1,2,3-Trichloropropane	110	9.090	9.090	(0.905)	39040	10.0000	9.424
71 Bromobenzene	156	9.067	9.067	(0.902)	93154	10.0000	9.777
72 n-Propylbenzene	120	9.161	9.161	(0.912)	98092	10.0000	9.760
73 2-Chlorotoluene	126	9.256	9.256	(0.921)	89071	10.0000	9.825
74 1,3,5-Trimethylbenzene	105	9.327	9.327	(0.928)	287683	10.0000	9.595
75 4-Chlorotoluene	126	9.362	9.362	(0.932)	95728	10.0000	10.190
76 tert-Butylbenzene	119	9.658	9.658	(0.961)	229250	10.0000	9.086
77 1,2,4-Trimethylbenzene	105	9.706	9.706	(0.966)	305046	10.0000	9.804
78 sec-Butylbenzene	105	9.871	9.871	(0.982)	340063	10.0000	9.829
79 4-Isopropyltoluene	119	10.013	10.013	(0.996)	272214	10.0000	9.416
80 1,3-Dichlorobenzene	146	9.990	9.990	(0.994)	180208	10.0000	9.936
81 1,4-Dichlorobenzene	146	10.072	10.072	(1.002)	199044	10.0000	10.487
82 n-Butylbenzene	91	10.415	10.415	(1.037)	241090	10.0000	9.579
83 1,2-Dichlorobenzene	146	10.439	10.439	(1.039)	172723	10.0000	9.870
84 1,2-Dibromo-3-chloropropane	157	11.208	11.208	(1.115)	24513	10.0000	9.313
85 1,2,4-Trichlorobenzene	180	12.037	12.037	(1.198)	105738	10.0000	10.522
86 Hexachlorobutadiene	225	12.214	12.214	(1.215)	36126	10.0000	10.669
87 Naphthalene	128	12.285	12.285	(1.223)	352010	10.0000	10.198
88 1,2,3-Trichlorobenzene	180	12.534	12.534	(1.247)	97714	10.0000	10.583
98 Cyclohexane	56	4.665	4.665	(0.908)	125390	10.0000	10.020
143 Methyl Acetate	43	3.032	3.032	(0.590)	199250	20.0000	20.778
144 Methylcyclohexane	83	5.623	5.623	(1.094)	110784	10.0000	9.575
141 1,3,5-Trichlorobenzene	180	11.421	11.421	(1.137)	110281	10.0000	10.259

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 26-AUG-2004 01:41
Client ID:
Sample Info: 5MG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon disulfide+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform
-Dibromofluoromethane
-Cyclohexane
-1,1-Dichloroethane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
Chlorobenzene-d5+
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux10.i\P408250-IC.b\UXX0912.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0912.D
Report Date: 26-Aug-2004 15:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0912.D
Lab Smp Id: 5NG-IC
Inj Date : 26-AUG-2004 01:41
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 5NG-IC
Misc Info : P40825A-IC,8260LLUX10,2-8260.SUB,1904,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Meth Date : 26-Aug-2004 15:21 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.134	5.134	(1.000)	1900160	50.0000	
* 2 Chlorobenzene-d5	117	7.808	7.808	(1.000)	1339472	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	764221	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.566	(0.889)	33154	5.00000	4.752
$ 5 1,2-Dichloroethane-d4	65	4.850	4.850	(0.945)	49656	5.00000	5.217
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	130394	5.00000	4.748
$ 7 Bromofluorobenzene	95	8.921	8.921	(1.142)	52837	5.00000	5.026
8 Dichlorodifluoromethane	85	1.525	1.525	(0.297)	19422	5.00000	4.467
9 Chloromethane	50	1.655	1.655	(0.322)	52069	5.00000	5.093
10 Vinyl Chloride	62	1.750	1.750	(0.341)	46029	5.00000	5.121
11 Bromomethane	94	2.034	2.034	(0.396)	22005	5.00000	5.012
12 Chloroethane	64	2.129	2.129	(0.415)	36660	5.00000	5.154
13 Trichlorofluoromethane	101	2.342	2.342	(0.456)	47440	5.00000	4.607
15 Acrolein	56	2.638	2.638	(0.514)	93610	50.0000	43.117
16 Acetone	43	2.768	2.768	(0.539)	75717	10.0000	11.898
17 1,1-Dichloroethene	96	2.756	2.756	(0.537)	36191	5.00000	4.810
18 Freon-113	151	2.768	2.768	(0.539)	27090	5.00000	4.942

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0912.D
Report Date: 26-Aug-2004 15:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.874	2.874	(0.560)	49661	5.00000	5.001
	20 Carbon Disulfide	76	2.957	2.957	(0.576)	108208	5.00000	4.921
	21 Methylene Chloride	84	3.135	3.135	(0.611)	79412	5.00000	7.703
	22 Acetonitrile	41	2.993	2.993	(0.583)	92238	50.0000	61.315
	23 Acrylonitrile	53	3.312	3.312	(0.645)	219967	50.0000	46.993
	24 Methyl tert-butyl ether	73	3.359	3.359	(0.654)	120275	5.00000	4.609
	25 trans-1,2-Dichloroethene	96	3.359	3.359	(0.654)	41231	5.00000	4.930
	26 Hexane	86	3.596	3.596	(0.700)	7889	5.00000	4.613
	27 Vinyl acetate	43	3.726	3.726	(0.726)	93716	5.00000	4.697
	28 1,1-Dichloroethane	63	3.703	3.703	(0.721)	69557	5.00000	4.817
	29 tert-Butyl Alcohol	59	3.206	3.206	(0.624)	166436	100.000	110.28
	30 2-Butanone	43	4.176	4.176	(0.813)	80719	10.0000	10.447
M	31 1,2-Dichloroethene (total)	96				85918	10.0000	9.922
	32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	44687	5.00000	4.993
	33 2,2-Dichloropropane	77	4.176	4.176	(0.813)	43792	5.00000	4.886
	34 Bromochloromethane	128	4.377	4.377	(0.853)	20587	5.00000	4.872
	35 Chloroform	83	4.436	4.436	(0.864)	72787	5.00000	4.978
	36 Tetrahydrofuran	42	4.424	4.424	(0.862)	26611	5.00000	5.750
	37 1,1,1-Trichloroethane	97	4.602	4.602	(0.896)	59099	5.00000	5.235
	38 1,1-Dichloropropene	75	4.744	4.744	(0.924)	63918	5.00000	5.659
	39 Carbon Tetrachloride	117	4.756	4.756	(0.926)	47092	5.00000	5.062
	40 1,2-Dichloroethane	62	4.909	4.909	(0.956)	60810	5.00000	4.986
	41 Benzene	78	4.909	4.909	(0.956)	205194	5.00000	5.700
	42 Trichloroethene	130	5.442	5.442	(1.060)	46699	5.00000	4.983
	43 1,2-Dichloropropane	63	5.631	5.631	(1.097)	36859	5.00000	4.786
	44 1,4-Dioxane	88	5.750	5.750	(1.120)	33891	250.000	276.04(A)
	45 Dibromomethane	93	5.726	5.726	(1.115)	23620	5.00000	4.748
	46 Bromodichloromethane	83	5.856	5.856	(1.141)	50731	5.00000	5.000
	47 2-Chloroethyl vinyl ether	63	6.105	6.105	(1.189)	47563	10.0000	9.066
	48 cis-1,3-Dichloropropene	75	6.247	6.247	(1.217)	53460	5.00000	4.627
	49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	123767	10.0000	9.566
	50 Toluene	91	6.554	6.554	(0.839)	163326	5.00000	4.801
	51 trans-1,3-Dichloropropene	75	6.732	6.732	(0.862)	49368	5.00000	4.495
	52 Ethyl Methacrylate	69	6.803	6.803	(0.871)	49565	5.00000	4.433
	53 1,1,2-Trichloroethane	97	6.897	6.897	(0.883)	34251	5.00000	4.900
	54 1,3-Dichloropropane	76	7.051	7.051	(0.903)	56482	5.00000	4.461
	55 Tetrachloroethene	164	7.063	7.063	(0.905)	34885	5.00000	5.329
	56 2-Hexanone	43	7.110	7.110	(0.911)	81214	10.0000	8.777
	57 Dibromochloromethane	129	7.264	7.264	(0.930)	27212	5.00000	4.031
	58 1,2-Dibromoethane	107	7.383	7.383	(0.945)	33676	5.00000	4.674
	59 Chlorobenzene	112	7.832	7.832	(1.003)	112564	5.00000	5.154
	60 1,1,1,2-Tetrachloroethane	131	7.903	7.903	(1.012)	34600	5.00000	4.664
	61 Ethylbenzene	106	7.927	7.927	(1.015)	51976	5.00000	4.444
	62 m + p-Xylene	106	8.033	8.033	(1.029)	141945	10.0000	9.468
M	63 Xylenes (total)	106				212191	15.0000	14.171
	64 Xylene-o	106	8.412	8.412	(1.077)	70246	5.00000	4.702
	65 Styrene	104	8.424	8.424	(1.079)	102372	5.00000	4.277

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0912.D
Report Date: 26-Aug-2004 15:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.601	8.601	(1.102)	18879	5.00000	3.808
67 Isopropylbenzene	105	8.767	8.767	(1.123)	166397	5.00000	4.768
68 1,1,2,2-Tetrachloroethane	83	9.039	9.039	(0.900)	46786	5.00000	4.693
69 1,4-Dichloro-2-butene	53	9.086	9.086	(0.905)	12598	5.00000	3.840
70 1,2,3-Trichloropropane	110	9.086	9.086	(0.905)	16796	5.00000	4.086
71 Bromobenzene	156	9.075	9.075	(0.903)	44093	5.00000	4.577
72 n-Propylbenzene	120	9.169	9.169	(0.913)	44957	5.00000	4.418
73 2-Chlorotoluene	126	9.252	9.252	(0.921)	46718	5.00000	4.991
74 1,3,5-Trimethylbenzene	105	9.335	9.335	(0.929)	144118	5.00000	4.636
75 4-Chlorotoluene	126	9.359	9.359	(0.932)	46482	5.00000	4.819
76 tert-Butylbenzene	119	9.654	9.654	(0.961)	129550	5.00000	4.867
77 1,2,4-Trimethylbenzene	105	9.702	9.702	(0.966)	154335	5.00000	4.743
78 sec-Butylbenzene	105	9.867	9.867	(0.982)	164506	5.00000	4.497
79 4-Isopropyltoluene	119	10.009	10.009	(0.996)	136076	5.00000	4.479
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	93563	5.00000	5.011
81 1,4-Dichlorobenzene	146	10.069	10.069	(1.002)	104172	5.00000	5.273
82 n-Butylbenzene	91	10.412	10.412	(1.037)	120320	5.00000	4.526
83 1,2-Dichlorobenzene	146	10.435	10.435	(1.039)	91538	5.00000	5.016
84 1,2-Dibromo-3-chloropropane	157	11.205	11.205	(1.115)	11421	5.00000	4.204
85 1,2,4-Trichlorobenzene	180	12.033	12.033	(1.198)	53740	5.00000	5.076
86 Hexachlorobutadiene	225	12.210	12.210	(1.216)	20214	5.00000	5.455
87 Naphthalene	128	12.281	12.281	(1.223)	187784	5.00000	5.168
88 1,2,3-Trichlorobenzene	180	12.530	12.530	(1.247)	59303	5.00000	5.898
98 Cyclohexane	56	4.661	4.661	(0.908)	61096	5.00000	4.559
143 Methyl Acetate	43	3.040	3.040	(0.592)	103900	10.0000	10.663
144 Methylcyclohexane	83	5.631	5.631	(1.097)	57754	5.00000	4.637
141 1,3,5-Trichlorobenzene	180	11.429	11.429	(1.138)	61203	5.00000	5.328

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0913.D
Report Date: 26-Aug-2004 15:30

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk
Sublist File: 2-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Misc Info: P40825A-IC,8260LLUX10,2-8260.SUB,1904,3

Client SDG: SDGa00733
Fraction: VOA

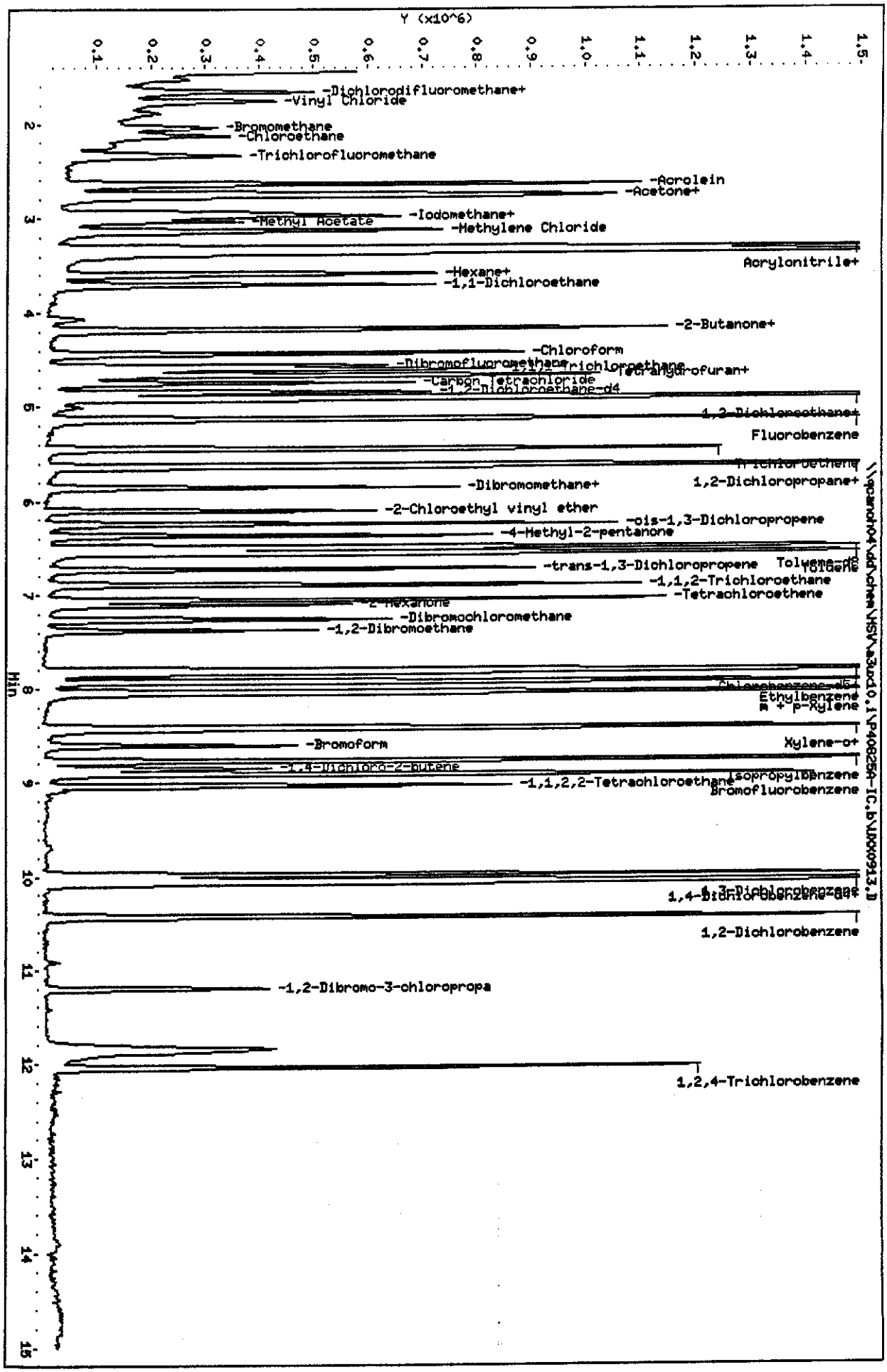
Operator: 1904
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	9.212	92.12	45-155
	42 Trichloroethene	10.000	9.453	94.53	45-155
	59 Chlorobenzene	10.000	9.550	95.50	45-155
	50 Toluene	10.000	9.789	97.89	45-155
	41 Benzene	10.000	9.222	92.22	45-155
	16 Acetone	10.000	6.168	61.68	45-155
	20 Carbon Disulfide	10.000	9.742	97.42	45-155
	9 Chloromethane	10.000	9.440	94.40	45-155
	11 Bromomethane	10.000	8.739	87.39	45-155
	10 Vinyl Chloride	10.000	9.264	92.64	45-155
	12 Chloroethane	10.000	8.833	88.33	45-155
	21 Methylene Chloride	10.000	10.156	101.56	45-155
	28 1,1-Dichloroethane	10.000	9.983	99.83	45-155
M	31 1,2-Dichloroethene	20.000	19.569	97.84	45-155
	35 Chloroform	10.000	9.620	96.20	45-155
	40 1,2-Dichloroethane	10.000	9.917	99.17	45-155
	30 2-Butanone	10.000	7.314	73.14	45-155
	37 1,1,1-Trichloroeth	10.000	9.329	93.29	45-155
	39 Carbon Tetrachlori	10.000	8.976	89.76	45-155
	46 Bromodichlorometha	10.000	9.889	98.89	45-155
	43 1,2-Dichloropropan	10.000	9.897	98.97	45-155
	48 cis-1,3-Dichloropr	10.000	10.176	101.76	45-155
	57 Dibromochlorometha	10.000	9.915	99.15	45-155
	53 1,1,2-Trichloroeth	10.000	9.629	96.29	45-155
	51 trans-1,3-Dichloro	10.000	9.508	95.08	45-155
	66 Bromoform	10.000	9.608	96.08	45-155
	49 4-Methyl-2-pentano	10.000	9.101	91.01	45-155
	56 2-Hexanone	10.000	8.607	86.07	45-155
	55 Tetrachloroethene	10.000	9.013	90.13	45-155
	68 1,1,2,2-Tetrachlor	10.000	9.384	93.84	45-155
	61 Ethylbenzene	10.000	9.733	97.33	45-155
	65 Styrene	10.000	9.889	98.89	45-155
	62 m + p-Xylene	20.000	19.376	96.88	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0913.D
Report Date: 26-Aug-2004 15:30

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
M 63 Xylenes (total)	30.000	29.087	96.96	45-155
64 Xylene-o	10.000	9.712	97.12	45-155
32 cis-1,2-dichloroet	10.000	9.610	96.10	45-155
25 trans-1,2-Dichloro	10.000	9.959	99.59	45-155
8 Dichlorodifluorome	10.000	7.134	71.34	45-155
13 Trichlorofluoromet	10.000	8.151	81.51	45-155
18 Freon-113	10.000	9.223	92.23	45-155
24 Methyl tert-butyl	10.000	10.080	100.80	45-155
58 1,2-Dibromoethane	10.000	10.446	104.46	45-155
67 Isopropylbenzene	10.000	9.915	99.15	45-155
80 1,3-Dichlorobenzen	10.000	9.877	98.77	45-155
81 1,4-Dichlorobenzen	10.000	9.696	96.96	45-155
83 1,2-Dichlorobenzen	10.000	9.488	94.88	45-155
84 1,2-Dibromo-3-chlo	10.000	9.758	97.58	45-155
85 1,2,4-Trichloroben	10.000	8.682	86.82	45-155
98 Cyclohexane	10.000	8.318	83.18	45-155
143 Methyl Acetate	10.000	9.463	94.63	45-155
144 Methylcyclohexane	10.000	8.185	81.85	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	10.392	103.92	73-122
$ 5 1,2-Dichloroethane	10.000	10.558	105.58	61-128
$ 6 Toluene-d8	10.000	10.298	102.98	76-110
$ 7 Bromofluorobenzene	10.000	10.371	103.71	74-116


Data File: \\qcandh04\dd\chem\HSV\a3ux10.i\P408250-IC.b\UX00913.D
Date : 26-AUG-2004 02:05
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methyl Acetate
-Methylene Chloride
Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane
1,2,2-Trichloroethane
Tetrahydrofuran+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
1,2-Dichloropropane+
-Dibromomethane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5
Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-1,4-Dichloro-2-butene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
Bromofluorobenzene
1,3-Dichlorobenzene+
1,4-Dichlorobenzene-d4
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
1,2,4-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0913.D
Report Date: 26-Aug-2004 15:30

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0913.D
Lab Smp Id: ICV
Inj Date : 26-AUG-2004 02:05
Operator : 1904 Inst ID: a3ux10.i
Smp Info : ICV
Misc Info : P40825A-IC,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\8260LLUX10.m
Meth Date : 26-Aug-2004 15:27 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 7 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.134	5.135	(1.000)	1961138	50.0000	
* 2 Chlorobenzene-d5	117	7.808	7.809	(1.000)	1387677	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	749787	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.567	(0.889)	382225	51.9629	10.392
$ 5 1,2-Dichloroethane-d4	65	4.850	4.851	(0.945)	535368	52.7885	10.558
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	1472255	51.4877	10.298
$ 7 Bromofluorobenzene	95	8.921	8.910	(1.142)	576043	51.8555	10.371
8 Dichlorodifluoromethane	85	1.525	1.526	(0.297)	164554	35.6693	7.134
9 Chloromethane	50	1.655	1.656	(0.322)	476134	47.2021	9.440
10 Vinyl Chloride	62	1.762	1.762	(0.343)	408720	46.3215	9.264
11 Bromomethane	94	2.034	2.035	(0.396)	174289	43.6966	8.739
12 Chloroethane	64	2.129	2.118	(0.415)	315102	44.1666	8.833
13 Trichlorofluoromethane	101	2.342	2.342	(0.456)	474284	40.7545	8.151
15 Acrolein	56	2.638	2.638	(0.514)	1164693	544.438	108.89
16 Acetone	43	2.768	2.768	(0.539)	216001	30.8426	6.168
17 1,1-Dichloroethene	96	2.744	2.756	(0.534)	354339	46.0591	9.212
18 Freon-113	151	2.768	2.768	(0.539)	256665	46.1137	9.223

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0913.D
Report Date: 26-Aug-2004 15:30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.910	2.898	(0.567)	20049	1.98504	0.3970
	20 Carbon Disulfide	76	2.957	2.957	(0.576)	1085705	48.7126	9.742
	21 Methylene Chloride	84	3.135	3.135	(0.611)	448010	50.7826	10.156
	22 Acetonitrile	41	2.981	2.981	(0.581)	646604	501.170	100.23
	23 Acrylonitrile	53	3.312	3.312	(0.645)	2347624	481.899	96.380
	24 Methyl tert-butyl ether	73	3.359	3.360	(0.654)	1364235	50.4024	10.080
	25 trans-1,2-Dichloroethene	96	3.359	3.360	(0.654)	427253	49.7964	9.959
	26 Hexane	86	3.596	3.596	(0.700)	78721	45.7424	9.148
	27 Vinyl acetate	43	3.596	3.726	(0.700)	266544	12.9844	2.597
	28 1,1-Dichloroethane	63	3.703	3.703	(0.721)	745490	49.9164	9.983
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.176	4.176	(0.813)	299917	36.5684	7.314
M	31 1,2-Dichloroethene (total)	96				871978	97.8459	19.569
	32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	444725	48.0495	9.610
	33 2,2-Dichloropropane	77.	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.436	4.436	(0.864)	735063	48.1006	9.620
	36 Tetrahydrofuran	42	4.661	4.425	(0.908)	145924	30.7932	6.159
	37 1,1,1-Trichloroethane	97	4.602	4.602	(0.896)	549055	46.6439	9.329
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.744	4.756	(0.924)	433379	44.8808	8.976
	40 1,2-Dichloroethane	62	4.909	4.910	(0.956)	633134	49.5860	9.917
	41 Benzene	78	4.909	4.910	(0.956)	1706756	46.1081	9.222
	42 Trichloroethene	130	5.454	5.454	(1.062)	458358	47.2651	9.453
	43 1,2-Dichloropropane	63	5.631	5.632	(1.097)	387917	49.4844	9.897
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	5.856	5.738	(1.141)	17159	3.30703	0.6614
	46 Bromodichloromethane	83	5.856	5.856	(1.141)	524316	49.4432	9.889
	47 2-Chloroethyl vinyl ether	63	6.105	6.105	(1.189)	262880	49.2891	9.858
	48 cis-1,3-Dichloropropene	75	6.247	6.247	(1.217)	605691	50.8805	10.176
	49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	603529	45.5033	9.101
	50 Toluene	91	6.554	6.554	(0.839)	1711119	48.9457	9.789
	51 trans-1,3-Dichloropropene	75	6.732	6.732	(0.862)	538684	47.5387	9.508
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.897	6.898	(0.883)	347923	48.1441	9.629
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.051	7.063	(0.903)	303190	45.0639	9.013
	56 2-Hexanone	43	7.110	7.111	(0.911)	414149	43.0371	8.607
	57 Dibromochloromethane	129	7.264	7.264	(0.930)	353418	49.5757	9.915
	58 1,2-Dibromoethane	107	7.383	7.383	(0.945)	391092	52.2287	10.446
	59 Chlorobenzene	112	7.832	7.832	(1.003)	1079440	47.7509	9.550
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.927	7.927	(1.015)	584924	48.6633	9.733
	62 m + p-Xylene	106	8.033	8.034	(1.029)	1497250	96.8784	19.376
M	63 Xylenes (total)	106				2250278	145.437	29.087
	64 Xylene-o	106	8.412	8.412	(1.077)	753028	48.5588	9.712
	65 Styrene	104	8.424	8.424	(1.079)	1222875	49.4449	9.889

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\UXX0913.D
Report Date: 26-Aug-2004 15:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	8.601	8.602	(1.102)	261639	48.0390	9.608
67 Isopropylbenzene	105	8.767	8.767	(1.123)	1796139	49.5733	9.915
68 1,1,2,2-Tetrachloroethane	83	9.039	9.039	(0.900)	456394	46.9207	9.384
69 1,4-Dichloro-2-butene	53	8.862	9.087	(0.882)	9102	2.91267	0.5825
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	904935	49.3858	9.877
81 1,4-Dichlorobenzene	146	10.069	10.069	(1.002)	945209	48.4825	9.696
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.435	10.436	(1.039)	851662	47.4387	9.488
84 1,2-Dibromo-3-chloropropane	157	11.205	11.205	(1.115)	131887	48.7897	9.758
85 1,2,4-Trichlorobenzene	180	12.045	12.045	(1.199)	456065	43.4082	8.682
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.661	4.661	(0.908)	559663	41.5911	8.318
143 Methyl Acetate	43	3.040	3.040	(0.592)	478005	47.3165	9.463
144 Methylcyclohexane	83	5.631	5.632	(1.097)	515142	40.9253	8.185
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Report Date: 15-Sep-2004 11:18

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\8260LLUX10.m
Start Cal Date: 11-AUG-2004 16:41
End Cal Date : 26-AUG-2004 01:41
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
24-AUG-2004 06:27	dimethox	UXX0877.D
12-AUG-2004 08:27	7-IX+	UXX0527.D
26-AUG-2004 01:41	2-8260	UXX0912.D
Cal Level: 2 , Cal Amount: 10.000		
24-AUG-2004 06:03	dimethox	UXX0876.D
12-AUG-2004 08:04	7-IX+	UXX0526.D
26-AUG-2004 01:18	2-8260	UXX0911.D
Cal Level: 3 , Cal Amount: 25.000		
24-AUG-2004 05:40	dimethox	UXX0875.D
12-AUG-2004 07:41	7-IX+	UXX0525.D
26-AUG-2004 00:55	2-8260	UXX0910.D
Cal Level: 4 , Cal Amount: 50.000		
24-AUG-2004 05:17	dimethox	UXX0874.D
12-AUG-2004 07:18	7-IX+	UXX0524.D
26-AUG-2004 00:32	2-8260	UXX0909.D
Cal Level: 5 , Cal Amount: 100.00		
24-AUG-2004 04:54	dimethox	UXX0873.D
12-AUG-2004 06:56	7-IX+	UXX0523.D
26-AUG-2004 00:09	2-8260	UXX0908.D
Cal Level: 6 , Cal Amount: 200.00		
24-AUG-2004 04:31	dimethox	UXX0872.D
12-AUG-2004 06:33	7-IX+	UXX0522.D
25-AUG-2004 23:46	2-8260	UXX0907.D

Continuing Calibration

14-SEP-2004 22:30	2-8260	UXX1457.D
14-SEP-2004 21:44	7-IX+	UXX1455.D
~~14-SEP-2004 21:21~~	~~2-8260~~	~~UXX1454.D~~ Re 9-15-04

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1457.D
Report Date: 15-Sep-2004 11:15

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i
Lab File ID: UXX1457.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\8260LLUX10.m

Injection Date: 14-SEP-2004 22:30
Init. Cal. Date(s): 11-AUG-2004 26-AUG-2004
Init. Cal. Times: 16:41 01:41
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	4 Dibromofluoromethane	0.18754	0.19025	0.010	1.4	50.0	
$	5 1,2-Dichloroethane-d4	0.25857	0.24673	0.010	-4.6	50.0	
$	6 Toluene-d8	1.03029	1.08780	0.010	5.6	50.0	
$	7 Bromofluorobenzene	0.40026	0.41201	0.010	2.9	50.0	
	8 Dichlorodifluoromethane	50.00000	48.73452	0.010	2.5	50.0	
	9 Chloromethane	0.25718	0.14741	0.100	-42.7	50.0	
	10 Vinyl Chloride	0.22496	0.20069	0.010	-10.8	20.0	
	11 Bromomethane	50.00000	36.12545	0.010	27.7	50.0	
	12 Chloroethane	0.18189	0.06893	0.010	-62.1	50.0	<-
	13 Trichlorofluoromethane	50.00000	25.49115	0.010	49.0	50.0	
	15 Acrolein	0.05454	0.03084	0.010	-43.5	50.0	
	16 Acetone	0.17855	0.15341	0.010	-14.1	50.0	
	17 1,1-Dichloroethene	0.19614	0.18170	0.010	-7.4	20.0	
	18 Freon-113	0.14191	0.13891	0.010	-2.1	50.0	
	19 Iodomethane	0.25751	0.16112	0.010	-37.4	50.0	
	20 Carbon Disulfide	0.56824	0.40562	0.010	-28.6	50.0	
	21 Methylene Chloride	50.00000	43.06675	0.010	13.9	50.0	
	22 Acetonitrile	500	426	0.010	14.9	50.0	
	23 Acrylonitrile	0.12420	0.11171	0.010	-10.1	50.0	
	24 Methyl tert-butyl ether	0.69008	0.64839	0.010	-6.0	50.0	
	25 trans-1,2-Dichloroethene	0.21875	0.21814	0.010	-0.3	50.0	
	26 Hexane	0.04388	0.05011	0.010	14.2	20.0	
	27 Vinyl acetate	0.52337	0.36499	0.010	-30.3	50.0	
	28 1,1-Dichloroethane	0.38077	0.36289	0.100	-4.7	50.0	
	29 tert-Butyl Alcohol	0.04132	0.03285	0.010	-20.5	50.0	
	30 2-Butanone	0.20910	0.20397	0.010	-2.5	50.0	
M	31 1,2-Dichloroethene (total)	0.22736	0.22232	0.010	-2.2	50.0	
	32 cis-1,2-dichloroethene	0.23597	0.22651	0.010	-4.0	50.0	
	33 2,2-Dichloropropane	0.23518	0.20426	0.010	-13.1	50.0	
	34 Bromochloromethane	0.11160	0.11556	0.010	3.6	50.0	
	35 Chloroform	0.38962	0.35560	0.010	-8.7	20.0	
	36 Tetrahydrofuran	0.12082	0.10861	0.010	-10.1	50.0	
	37 1,1,1-Trichloroethane	0.30011	0.27644	0.010	-7.9	50.0	
	38 1,1-Dichloropropene	0.29622	0.29125	0.010	-1.7	50.0	
	39 Carbon Tetrachloride	0.24619	0.24072	0.010	-2.2	50.0	
	40 1,2-Dichloroethane	0.32554	0.30243	0.010	-7.1	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1457.D
Report Date: 15-Sep-2004 11:15

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i
Lab File ID: UXX1457.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC

Injection Date: 14-SEP-2004 22:30
Init. Cal. Date(s): 11-AUG-2004 26-AUG-2004
Init. Cal. Times: 16:41 01:41
Quant Type: ISTD

Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\8260LLUX10.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	0.94375	0.89084	0.010	-5.6	50.0	
	42 Trichloroethene	0.24724	0.24238	0.010	-2.0	50.0	
	43 1,2-Dichloropropane	0.19986	0.21184	0.010	6.0	20.0	
	44 1,4-Dioxane	2500	2783	0.010	-11.3	50.0	
	45 Dibromomethane	0.13229	0.13632	0.010	3.1	50.0	
	46 Bromodichloromethane	0.27036	0.25612	0.010	-5.3	50.0	
	47 2-Chloroethyl vinyl ether	0.13598	0.15159	0.010	11.5	50.0	
	48 cis-1,3-Dichloropropene	0.30350	0.32056	0.010	5.6	50.0	
	49 4-Methyl-2-pentanone	0.33816	0.32043	0.010	-5.2	50.0	
	50 Toluene	1.25964	1.31514	0.010	4.4	20.0	
	51 trans-1,3-Dichloropropene	0.40829	0.39578	0.010	-3.1	50.0	
	52 Ethyl Methacrylate	0.41363	0.43869	0.010	6.1	50.0	
	53 1,1,2-Trichloroethane	0.26039	0.27358	0.010	5.1	50.0	
	54 1,3-Dichloropropane	0.47353	0.49339	0.010	4.2	50.0	
	55 Tetrachloroethene	0.24242	0.25045	0.010	3.3	50.0	
	56 2-Hexanone	0.34673	0.35125	0.010	1.3	50.0	
	57 Dibromochloromethane	0.25686	0.25727	0.010	0.2	50.0	
	58 1,2-Dibromoethane	0.26981	0.28047	0.010	4.0	50.0	
	59 Chlorobenzene	0.81451	0.84234	0.300	3.4	50.0	
	60 1,1,1,2-Tetrachloroethane	0.27952	0.26452	0.010	-5.4	50.0	
	61 Ethylbenzene	0.43309	0.46434	0.010	7.2	20.0	
	62 m + p-Xylene	0.55686	0.58550	0.010	5.1	50.0	
M	63 Xylenes (total)	0.55750	0.57526	0.010	3.2	50.0	
	64 Xylene-o	0.55876	0.55479	0.010	-0.7	50.0	
	65 Styrene	0.89113	0.93721	0.010	5.2	50.0	
	66 Bromoform	50.00000	43.29143	0.100	13.4	50.0	- RF= 0.169
	67 Isopropylbenzene	1.30549	1.29553	0.010	-0.8	50.0	
	68 1,1,2,2-Tetrachloroethane	0.64865	0.76501	0.300	17.9	50.0	
	69 1,4-Dichloro-2-butene	0.20839	0.15453	0.010	-25.8	50.0	
	70 1,2,3-Trichloropropane	0.27177	0.28998	0.010	6.7	50.0	
	71 Bromobenzene	0.62737	0.65524	0.010	4.4	50.0	
	72 n-Propylbenzene	0.65844	0.73810	0.010	12.1	50.0	
	73 2-Chlorotoluene	0.61358	0.65554	0.010	6.8	50.0	
	74 1,3,5-Trimethylbenzene	2.03111	2.15534	0.010	6.1	50.0	
	75 4-Chlorotoluene	0.62791	0.66969	0.010	6.7	50.0	
	76 tert-Butylbenzene	1.73363	1.87853	0.010	8.4	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1457.D
Report Date: 15-Sep-2004 11:15

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i
Lab File ID: UXX1457.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\8260LLUX10.m

Injection Date: 14-SEP-2004 22:30
Init. Cal. Date(s): 11-AUG-2004 26-AUG-2004
Init. Cal. Times: 16:41 01:41
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	2.13087	2.21004	0.010	3.7	50.0
78 sec-Butylbenzene	2.38219	2.56231	0.010	7.6	50.0
79 4-Isopropyltoluene	1.98014	2.15142	0.010	8.6	50.0
80 1,3-Dichlorobenzene	1.22193	1.23944	0.010	1.4	50.0
81 1,4-Dichlorobenzene	1.30010	1.31364	0.010	1.0	50.0
82 n-Butylbenzene	1.74089	1.79603	0.010	3.2	50.0
83 1,2-Dichlorobenzene	1.19720	1.22482	0.010	2.3	50.0
84 1,2-Dibromo-3-chloropropane	0.18026	0.17405	0.010	-3.4	50.0
85 1,2,4-Trichlorobenzene	0.70063	0.69224	0.010	-1.2	50.0
86 Hexachlorobutadiene	0.24407	0.22697	0.010	-7.0	50.0
87 Naphthalene	2.40596	2.45524	0.010	2.0	50.0
88 1,2,3-Trichlorobenzene	0.66407	0.65708	0.010	-1.1	50.0
98 Cyclohexane	0.34307	0.35901	0.010	4.6	50.0
143 Methyl Acetate	0.25756	0.24193	0.010	-6.1	50.0
144 Methylcyclohexane	0.32092	0.35155	0.010	9.5	50.0
141 1,3,5-Trichlorobenzene	0.76061	0.74542	0.010	-2.0	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.D\UXX1457.D
Report Date: 09/15/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux10.i
Lab File ID: UXX1457.D
Analysis Type: WATER

Injection Date: 14-SEP-2004 22:30
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0 Chlorobenzene	50.0000	51.7080	3.4	50.0	
0 Bromodichloromethane	50.0000	47.3652	5.3	50.0	
0 1,1,2,2-Tetrachloroethane	50.0000	58.9697	17.9	50.0	
0 Bromoform	50.0000	43.2914	13.4	50.0	
0 Styrene	50.0000	52.5851	5.2	50.0	
0 Xylene-o	50.0000	49.6451	0.7	50.0	
0 Xylenes (total)	150.0000	154.7872	3.2	50.0	
0 2-Hexanone	100.0000	101.3023	1.3	50.0	
0 Chloromethane	50.0000	28.6594	42.7	50.0	
0 Vinyl Chloride	50.0000	44.6047	10.8	20.0	
0 Bromomethane	50.0000	36.1255	27.7	50.0	
0 Chloroethane	50.0000	18.9470	62.1	50.0	<-
0 1,1-Dichloroethane	50.0000	47.6525	4.7	50.0	
0 Tetrachloroethene	50.0000	51.6566	3.3	50.0	
0 Acetone	100.0000	85.9208	14.1	50.0	
0 1,1-Dichloroethene	50.0000	46.3182	7.4	20.0	
0 m + p-Xylene	100.0000	105.1420	5.1	50.0	
0 Ethylbenzene	50.0000	53.6076	7.2	20.0	
0 Carbon Disulfide	50.0000	35.6910	28.6	50.0	
0 Methylene Chloride	50.0000	43.0667	13.9	50.0	
0 1,2-Dichloropropane	50.0000	52.9966	6.0	20.0	
0 1,1,2-Trichloroethane	50.0000	52.5339	5.1	50.0	
0 Dibromochloromethane	50.0000	50.0798	0.2	50.0	
0 trans-1,2-Dichloroethene	50.0000	49.8604	0.3	50.0	
0 trans-1,3-Dichloropropene	50.0000	48.4685	3.1	50.0	
0 cis-1,3-Dichloropropene	50.0000	52.8103	5.6	50.0	
0 Chloroform	50.0000	45.6353	8.7	20.0	
0 Toluene	50.0000	52.2031	4.4	20.0	
0 2-Butanone	100.0000	97.5460	2.5	50.0	
0 1,2-Dichloroethene (total)	100.0000	97.8546	2.1	50.0	
0 cis-1,2-dichloroethene	50.0000	47.9942	4.0	50.0	
0 4-Methyl-2-pentanone	100.0000	94.7588	5.2	50.0	
0 1,2-Dichloroethane	50.0000	46.4507	7.1	50.0	
0 Trichloroethene	50.0000	49.0160	2.0	50.0	
0 1,1,1-Trichloroethane	50.0000	46.0556	7.9	50.0	
0 Carbon Tetrachloride	50.0000	48.8891	2.2	50.0	
0 Benzene	50.0000	47.1969	5.6	50.0	
38 Dichlorodifluoromethane	50.0000	48.7345	2.5	50.0	
39 Trichlorofluoromethane	50.0000	25.4912	49.0	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.D/UXX1457.D
Report Date: 09/15/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux10.i
Lab File ID: UXX1457.D
Analysis Type: WATER

Injection Date: 14-SEP-2004 22:30
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
40 Acrolein	500.0000	282.6840	43.5	50.0
41 Acrylonitrile	500.0000	449.6964	10.1	50.0
42 Vinyl acetate	50.0000	34.8692	30.3	50.0
43 2-Chloroethyl vinyl ether	100.0000	111.4827	11.5	50.0
47 Freon-113	50.0000	48.9431	2.1	50.0
48 1,3-Dichlorobenzene	50.0000	50.7164	1.4	50.0
49 1,4-Dichlorobenzene	50.0000	50.5210	1.0	50.0
50 1,2-Dichlorobenzene	50.0000	51.1534	2.3	50.0
51 Acetonitrile	500.0000	425.5532	14.9	50.0
52 Iodomethane	50.0000	31.2844	37.4	50.0
59 1,4-Dioxane	2500.0000	2782.7924	11.3	50.0
60 Dibromomethane	50.0000	51.5264	3.1	50.0
62 Ethyl Methacrylate	50.0000	53.0296	6.1	50.0
63 1,2-Dibromoethane	50.0000	51.9772	4.0	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	47.3175	5.4	50.0
65 1,2,3-Trichloropropane	50.0000	53.3517	6.7	50.0
66 1,4-Dichloro-2-butene	50.0000	37.0775	25.8	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	48.2772	3.4	50.0
82 Methyl tert-butyl ether	50.0000	46.9796	6.0	50.0
84 Tetrahydrofuran	50.0000	44.9457	10.1	50.0
98 2,2-Dichloropropane	50.0000	43.4268	13.1	50.0
99 1,1-Dichloropropene	50.0000	49.1605	1.7	50.0
100 1,3-Dichloropropane	50.0000	52.0968	4.2	50.0
102 Bromobenzene	50.0000	52.2218	4.4	50.0
103 2-Chlorotoluene	50.0000	53.4193	6.8	50.0
104 n-Propylbenzene	50.0000	56.0492	12.1	50.0
105 4-Chlorotoluene	50.0000	53.3263	6.7	50.0
106 1,3,5-Trimethylbenzene	50.0000	53.0583	6.1	50.0
107 tert-Butylbenzene	50.0000	54.1790	8.4	50.0
108 1,2,4-Trimethylbenzene	50.0000	51.8578	3.7	50.0
109 sec-Butylbenzene	50.0000	53.7806	7.6	50.0
110 4-Isopropyltoluene	50.0000	54.3247	8.6	50.0
111 n-Butylbenzene	50.0000	51.5838	3.2	50.0
112 1,2,4-Trichlorobenzene	50.0000	49.4017	1.2	50.0
113 Naphthalene	50.0000	51.0241	2.0	50.0
114 Hexachlorobutadiene	50.0000	46.4960	7.0	50.0
115 1,2,3-Trichlorobenzene	50.0000	49.4741	1.1	50.0
124 tert-Butyl Alcohol	1000.0000	795.0739	20.5	50.0

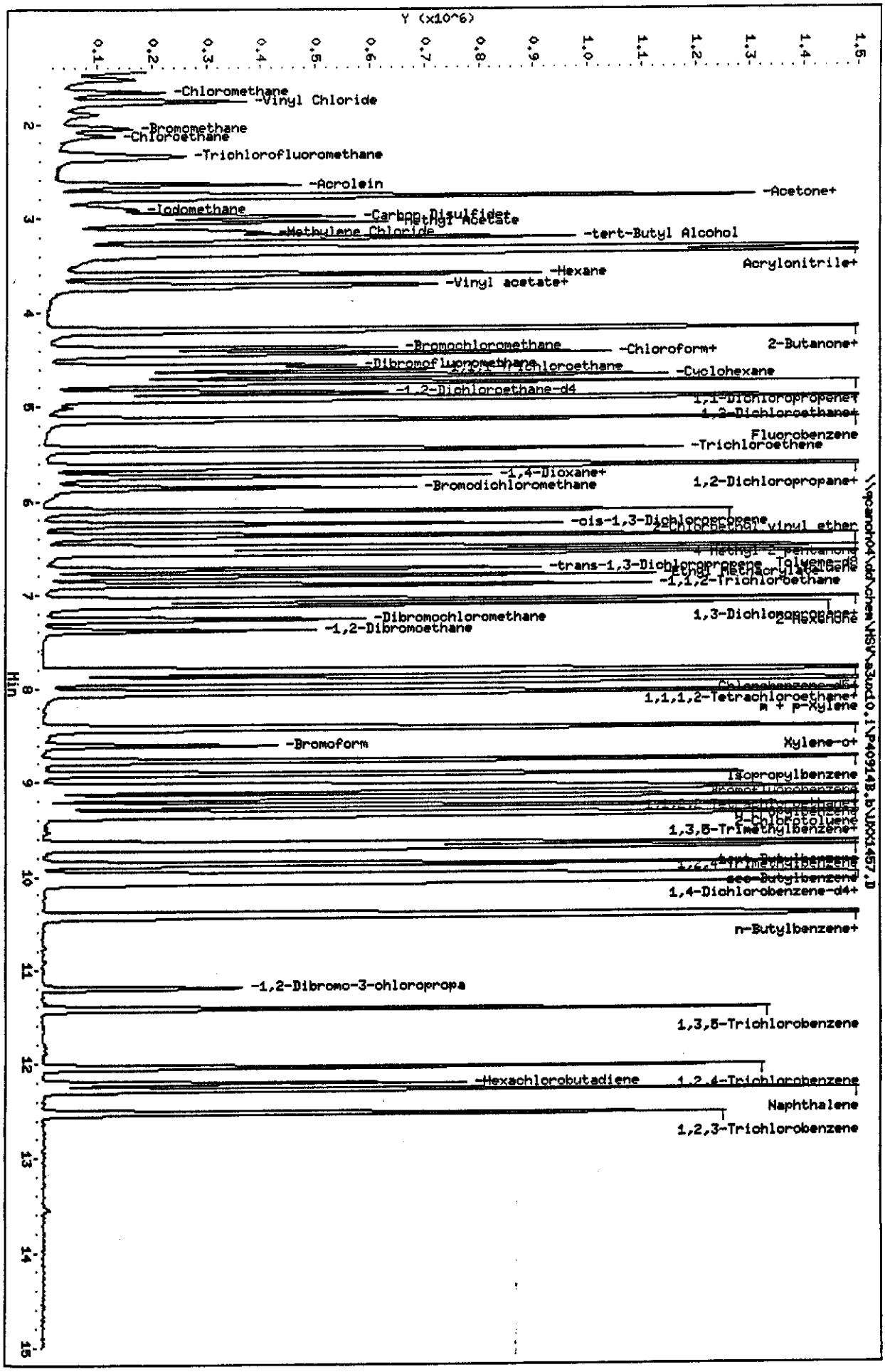
Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.D/UXX1457.D
Report Date: 09/15/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux10.i
Lab File ID: UXX1457.D
Analysis Type: WATER

Injection Date: 14-SEP-2004 22:30
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
125 Hexane	50.0000	57.1044	14.2	20.0
127 Cyclohexane	50.0000	52.3231	4.6	50.0
128 Isopropylbenzene	50.0000	49.6187	0.8	50.0
130 Fluorobenzene	50.0000	50.0000	0.0	50.0
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0
133 Bromochloromethane	50.0000	51.7775	3.6	50.0
141 1,3,5-Trichlorobenzene	50.0000	49.0014	2.0	50.0
143 Methyl Acetate	100.0000	93.9293	6.1	50.0
144 Methylcyclohexane	50.0000	54.7722	9.5	50.0
22 Toluene-d8	50.0000	52.7905	5.6	50.0
32 Bromofluorobenzene	50.0000	51.4675	2.9	50.0
47 1,2-Dichloroethane-d4	50.0000	47.7115	4.6	50.0
131 Dibromofluoromethane	50.0000	50.7226	1.4	50.0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Date : 14-SEP-2004 22:30
Client ID:
Sample Info: 50NC-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide+
Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
Acrylonitrile+
-Hexane
-Vinyl acetate+
2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane
1,1,1-Trichloroethane
-Cyclohexane
-1,2-Dichloroethane-d4
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
1,2-Dichloropropane+
-Bromodichloromethane
-cis-1,3-Dichloropropene
2-Chloroethyl vinyl ether
4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
Toluene-d8
Ethyl Methacrylate
-1,1,2-Trichloroethane
1,3-Dichloropropane+
2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
-Bromoform
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene+
4-Ethyltoluene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-Hexachlorobutadiene
1,2,4-Trichlorobenzene
Naphthalene
1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux10.i\P40914B.b\UX01457.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1457.D
Report Date: 15-Sep-2004 11:15

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1457.D
Lab Smp Id: 50NG-CC
Inj Date : 14-SEP-2004 22:30
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-CC
Misc Info : P40914B,8260LLUX10,2-8260.SUB,1904,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\8260LLUX10.m
Meth Date : 15-Sep-2004 11:15 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 35 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	1849876	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1383368	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	727480	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.567	(0.889)	351934	50.0000	50.722
$ 5 1,2-Dichloroethane-d4	65	4.851	4.851	(0.945)	456427	50.0000	47.712
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	1504821	50.0000	52.790
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	569958	50.0000	51.468
8 Dichlorodifluoromethane	85	1.526	1.526	(0.297)	214598	50.0000	48.734
9 Chloromethane	50	1.656	1.656	(0.323)	272690	50.0000	28.659
10 Vinyl Chloride	62	1.762	1.762	(0.343)	371243	50.0000	44.605
11 Bromomethane	94	2.046	2.046	(0.399)	133956	50.0000	36.125
12 Chloroethane	64	2.129	2.129	(0.415)	127506	50.0000	18.947
13 Trichlorofluoromethane	101	2.342	2.342	(0.456)	269344	50.0000	25.491
15 Acrolein	56	2.650	2.650	(0.516)	570425	500.000	282.68
16 Acetone	43	2.768	2.768	(0.539)	567593	100.000	85.921
17 1,1-Dichloroethene	96	2.780	2.780	(0.541)	336116	50.0000	46.318
18 Freon-113	151	2.780	2.780	(0.541)	256958	50.0000	48.943

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1457.D
Report Date: 15-Sep-2004 11:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.910	2.910	(0.567)	298048	50.0000	31.284
	20 Carbon Disulfide	76	2.969	2.969	(0.578)	750349	50.0000	35.691
	21 Methylene Chloride	84	3.158	3.158	(0.615)	364631	50.0000	43.067
	22 Acetonitrile	41	2.993	2.993	(0.583)	522124	500.000	425.55
	23 Acrylonitrile	53	3.324	3.324	(0.647)	2066455	500.000	449.70
	24 Methyl tert-butyl ether	73	3.371	3.371	(0.657)	1199449	50.0000	46.980
	25 trans-1,2-Dichloroethene	96	3.371	3.371	(0.657)	403531	50.0000	49.860
	26 Hexane	86	3.596	3.596	(0.700)	92699	50.0000	57.104
	27 Vinyl acetate	43	3.726	3.726	(0.726)	675185	50.0000	34.869
	28 1,1-Dichloroethane	63	3.703	3.703	(0.721)	671303	50.0000	47.652
	29 tert-Butyl Alcohol	59	3.206	3.206	(0.624)	1215458	1000.00	795.07
	30 2-Butanone	43	4.176	4.176	(0.813)	754639	100.000	97.546
M	31 1,2-Dichloroethene (total)	96				822543	100.000	97.854
	32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	419012	50.0000	47.994
	33 2,2-Dichloropropane	77	4.188	4.188	(0.816)	377863	50.0000	43.427
	34 Bromochloromethane	128	4.377	4.377	(0.853)	213780	50.0000	51.778
	35 Chloroform	83	4.436	4.436	(0.864)	657824	50.0000	45.635
	36 Tetrahydrofuran	42	4.425	4.425	(0.862)	200907	50.0000	44.946
	37 1,1,1-Trichloroethane	97	4.602	4.602	(0.896)	511373	50.0000	46.056
	38 1,1-Dichloropropene	75	4.744	4.744	(0.924)	538777	50.0000	49.160
	39 Carbon Tetrachloride	117	4.756	4.756	(0.926)	445301	50.0000	48.889
	40 1,2-Dichloroethane	62	4.910	4.910	(0.956)	559452	50.0000	46.451
	41 Benzene	78	4.910	4.910	(0.956)	1647945	50.0000	47.197
	42 Trichloroethene	130	5.454	5.454	(1.062)	448370	50.0000	49.016
	43 1,2-Dichloropropane	63	5.632	5.632	(1.097)	391880	50.0000	52.997
	44 1,4-Dioxane	88	5.738	5.738	(1.118)	273922	2500.00	2782.8 (A)
	45 Dibromomethane	93	5.738	5.738	(1.118)	252184	50.0000	51.526
	46 Bromodichloromethane	83	5.856	5.856	(1.141)	473784	50.0000	47.365
	47 2-Chloroethyl vinyl ether	63	6.105	6.105	(1.189)	560852	100.000	111.48
	48 cis-1,3-Dichloropropene	75	6.247	6.247	(1.217)	592998	50.0000	52.810
	49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	1185521	100.000	94.759
	50 Toluene	91	6.554	6.554	(0.839)	1819329	50.0000	52.203
	51 trans-1,3-Dichloropropene	75	6.732	6.732	(0.862)	547514	50.0000	48.468
	52 Ethyl Methacrylate	69	6.803	6.803	(0.871)	606872	50.0000	53.030
	53 1,1,2-Trichloroethane	97	6.898	6.898	(0.883)	378468	50.0000	52.534
	54 1,3-Dichloropropane	76	7.051	7.051	(0.903)	682542	50.0000	52.097
	55 Tetrachloroethene	164	7.063	7.063	(0.905)	346467	50.0000	51.657
	56 2-Hexanone	43	7.111	7.111	(0.911)	971813	100.000	101.30
	57 Dibromochloromethane	129	7.264	7.264	(0.930)	355903	50.0000	50.080
	58 1,2-Dibromoethane	107	7.383	7.383	(0.945)	388000	50.0000	51.977
	59 Chlorobenzene	112	7.832	7.832	(1.003)	1165264	50.0000	51.708
	60 1,1,1,2-Tetrachloroethane	131	7.903	7.903	(1.012)	365928	50.0000	47.317
	61 Ethylbenzene	106	7.927	7.927	(1.015)	642352	50.0000	53.608
	62 m + p-Xylene	106	8.045	8.045	(1.030)	1619919	100.000	105.14
M	63 Xylenes (total)	106				2387402	150.000	154.79
	64 Xylene-o	106	8.412	8.412	(1.077)	767483	50.0000	49.645
	65 Styrene	104	8.424	8.424	(1.079)	1296500	50.0000	52.585

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1457.D
Report Date: 15-Sep-2004 11:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.602	8.602	(1.102)	233388	50.0000	43.291
67 Isopropylbenzene	105	8.767	8.767	(1.123)	1792200	50.0000	49.619
68 1,1,2,2-Tetrachloroethane	83	9.039	9.039	(0.900)	556528	50.0000	58.970
69 1,4-Dichloro-2-butene	53	9.087	9.087	(0.905)	112419	50.0000	37.078
70 1,2,3-Trichloropropane	110	9.087	9.087	(0.905)	210957	50.0000	53.352
71 Bromobenzene	156	9.075	9.075	(0.903)	476676	50.0000	52.222
72 n-Propylbenzene	120	9.170	9.170	(0.913)	536953	50.0000	56.049
73 2-Chlorotoluene	126	9.252	9.252	(0.921)	476892	50.0000	53.419
74 1,3,5-Trimethylbenzene	105	9.335	9.335	(0.929)	1567969	50.0000	53.058
75 4-Chlorotoluene	126	9.359	9.359	(0.932)	487184	50.0000	53.326
76 tert-Butylbenzene	119	9.655	9.655	(0.961)	1366590	50.0000	54.179
77 1,2,4-Trimethylbenzene	105	9.702	9.702	(0.966)	1607763	50.0000	51.858
78 sec-Butylbenzene	105	9.868	9.868	(0.982)	1864029	50.0000	53.780
79 4-Isopropyltoluene	119	10.010	10.010	(0.996)	1565112	50.0000	54.325
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	901667	50.0000	50.716
81 1,4-Dichlorobenzene	146	10.069	10.069	(1.002)	955649	50.0000	50.521
82 n-Butylbenzene	91	10.412	10.412	(1.037)	1306577	50.0000	51.584
83 1,2-Dichlorobenzene	146	10.436	10.436	(1.039)	891030	50.0000	51.153
84 1,2-Dibromo-3-chloropropane	157	11.205	11.205	(1.115)	126619	50.0000	48.277
85 1,2,4-Trichlorobenzene	180	12.033	12.033	(1.198)	503593	50.0000	49.402
86 Hexachlorobutadiene	225	12.211	12.211	(1.216)	165116	50.0000	46.496
87 Naphthalene	128	12.282	12.282	(1.223)	1786135	50.0000	51.024
88 1,2,3-Trichlorobenzene	180	12.530	12.530	(1.247)	478014	50.0000	49.474
98 Cyclohexane	56	4.673	4.673	(0.910)	664132	50.0000	52.323
143 Methyl Acetate	43	3.040	3.040	(0.592)	895067	100.000	93.929
144 Methylcyclohexane	83	5.632	5.632	(1.097)	650324	50.0000	54.772
141 1,3,5-Trichlorobenzene	180	11.430	11.430	(1.138)	542280	50.0000	49.001

QC Flag Legend

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

SEVERN TRENT STL

RAW QC DATA

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\BFB1375.D

Date : 25-AUG-2004 23:25

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

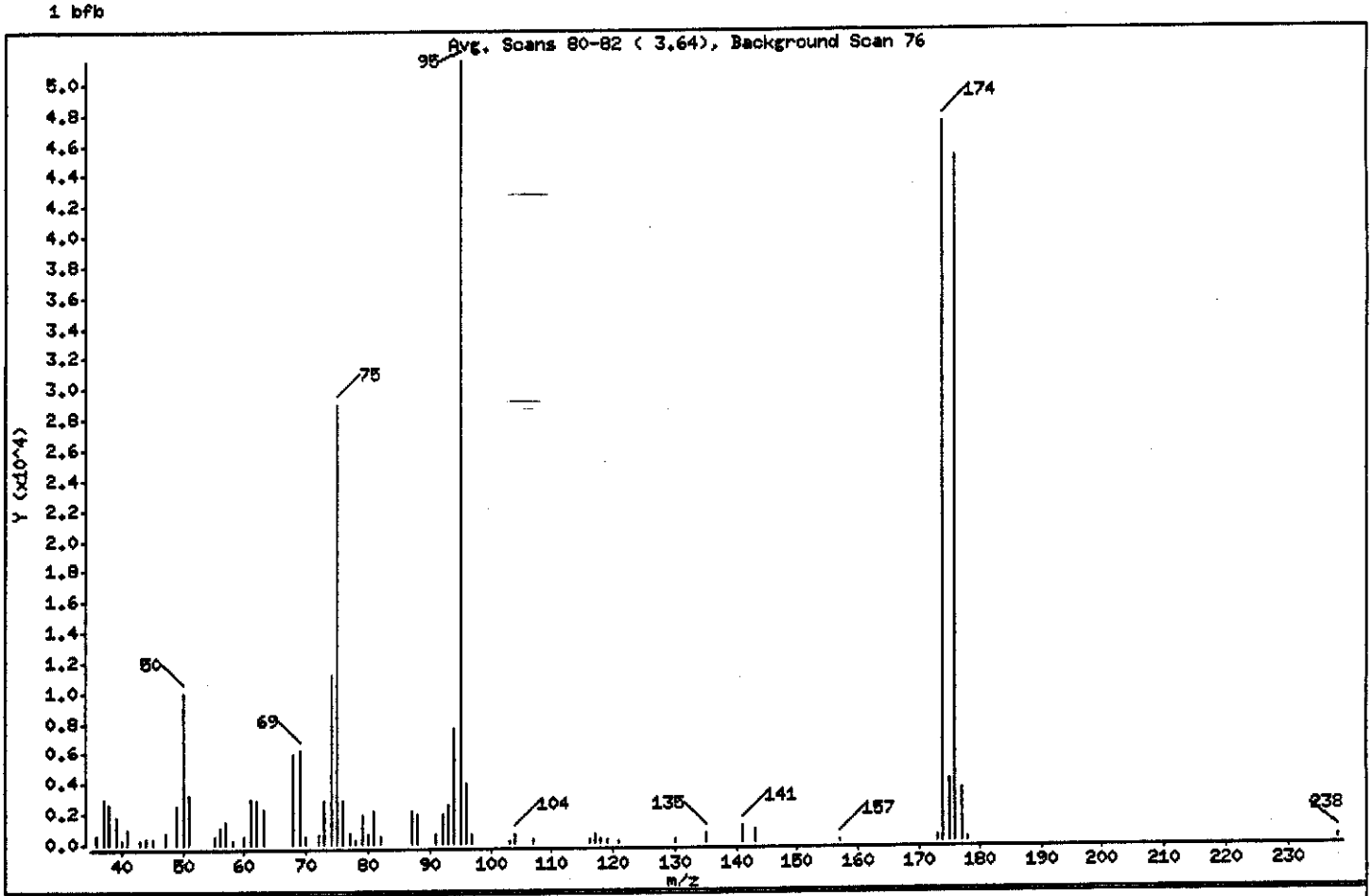
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.30
75	30.00 - 60.00% of mass 95	56.14
96	5.00 - 9.00% of mass 95	7.58
173	Less than 2.00% of mass 174	0.60 (0.65)
174	50.00 - 100.00% of mass 95	91.94
175	5.00 - 9.00% of mass 174	7.84 (8.53)
176	95.00 - 101.00% of mass 174	87.45 (95.11)
177	5.00 - 9.00% of mass 176	6.67 (7.62)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40825A-IC.b\BFB1375.D

Date : 25-AUG-2004 23:25

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB1375.D
Spectrum: Avg. Scans 80-82 (3.64), Background Scan 76
Location of Maximum: 95.00
Number of points: 64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	536	60.00	427	82.00	424	121.00	171
37.00	2946	61.00	2996	87.00	2080	130.00	216
38.00	2609	62.00	2870	88.00	1867	135.00	621
39.00	1791	63.00	2251	91.00	609	141.00	1064
40.00	222	68.00	5982	92.00	1929	143.00	878
41.00	918	69.00	6223	93.00	2450	157.00	170
43.00	204	70.00	505	94.00	7652	173.00	307
44.00	353	72.00	642	95.00	51520	174.00	47368
45.00	395	73.00	2801	96.00	3908	175.00	4041
47.00	737	74.00	11168	97.00	564	176.00	45056
49.00	2540	75.00	28920	103.00	170	177.00	3435
50.00	9945	76.00	2827	104.00	611	178.00	184
51.00	3218	77.00	736	107.00	228	238.00	195
55.00	527	78.00	220	116.00	198		
56.00	1102	79.00	1849	117.00	591		
57.00	1378	80.00	542	118.00	211		
58.00	222	81.00	2192	119.00	202		

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P40825A-IC.b\BFB1376.D

Page 1

Date : 25-AUG-2004 23:25

Client ID: 50NG BFB

Instrument: a3ux10.i

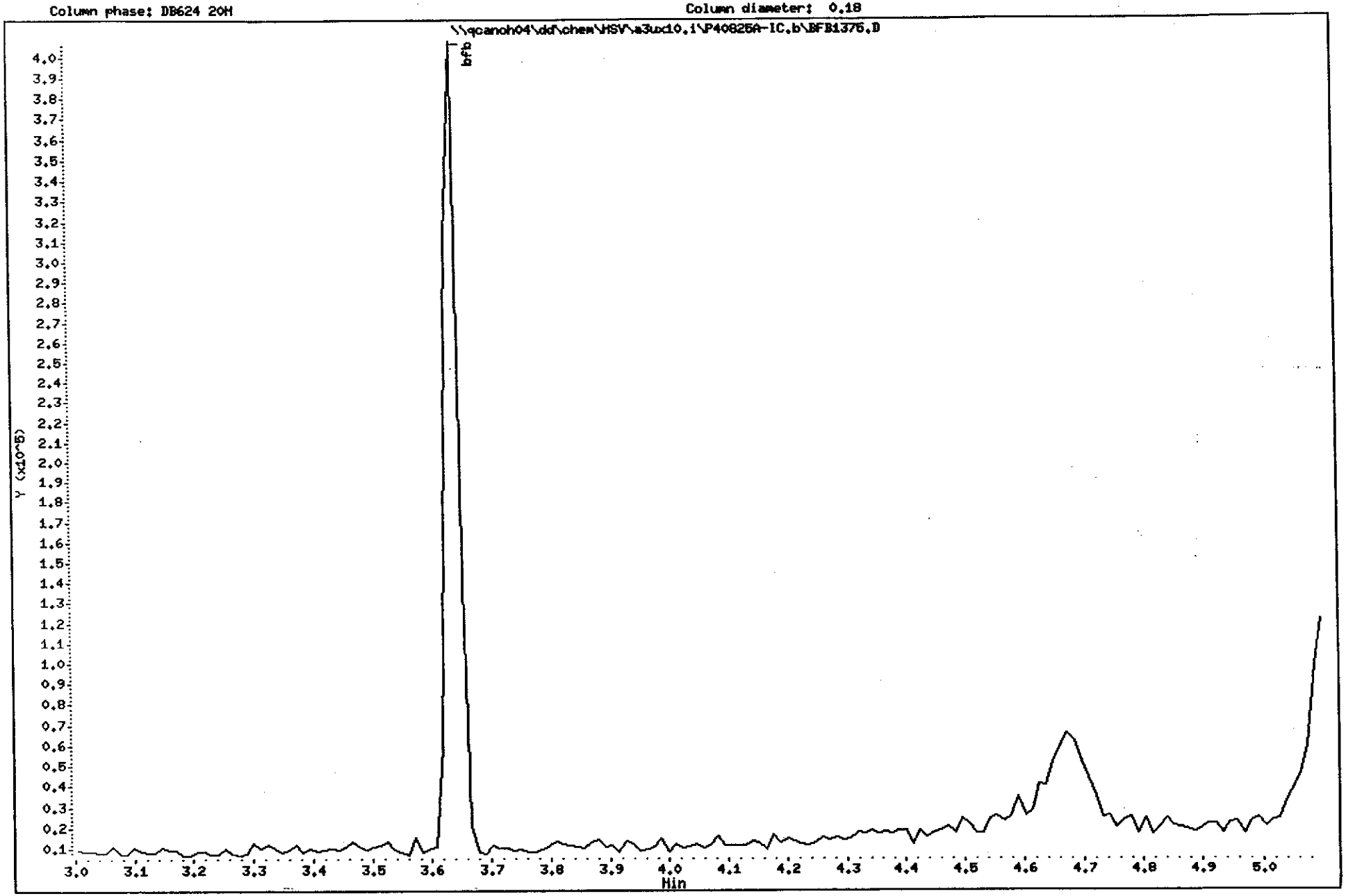
Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\BFB1394.D

Date : 14-SEP-2004 20:58

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

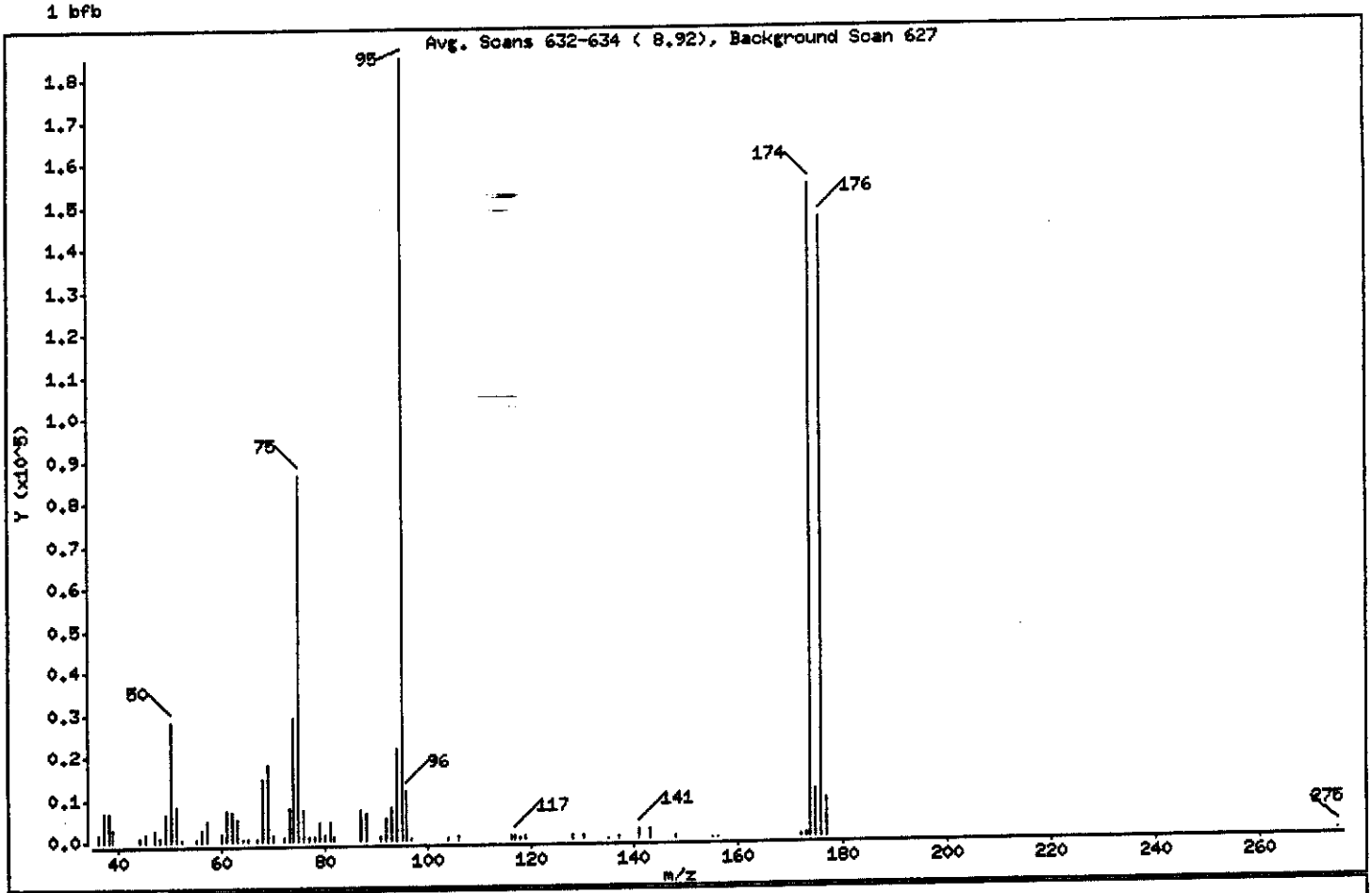
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.26
75	30.00 - 60.00% of mass 95	46.75
96	5.00 - 9.00% of mass 95	6.11
173	Less than 2.00% of mass 174	0.44 (0.53)
174	50.00 - 100.00% of mass 95	83.33
175	5.00 - 9.00% of mass 174	5.90 (7.08)
176	95.00 - 101.00% of mass 174	79.19 (95.04)
177	5.00 - 9.00% of mass 176	4.88 (6.16)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\BFB1394.D

Date : 14-SEP-2004 20:58

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB1394.D
Spectrum: Avg. Scans 632-634 (8.92), Background Scan 627
Location of Maximum: 95.00
Number of points: 67

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36.00	1515	62.00	6676	81.00	4437	128.00	802
37.00	6898	63.00	4986	82.00	916	130.00	871
38.00	6902	64.00	503	87.00	7182	135.00	193
39.00	2855	65.00	459	88.00	6254	137.00	412
44.00	696	67.00	411	91.00	737	141.00	1979
45.00	1570	68.00	14658	92.00	5259	143.00	1933
47.00	2516	69.00	18088	93.00	7466	148.00	242
48.00	919	70.00	1439	94.00	21560	155.00	195
49.00	6307	72.00	781	95.00	184896	156.00	186
50.00	28224	73.00	7562	96.00	11303	172.00	382
51.00	7935	74.00	28832	97.00	394	173.00	813
52.00	241	75.00	86472	104.00	547	174.00	154112
55.00	459	76.00	7218	106.00	771	175.00	10917
56.00	2415	77.00	678	116.00	743	176.00	146432
57.00	4489	78.00	809	117.00	1021	177.00	9025
60.00	1664	79.00	4255	118.00	479	275.00	175
61.00	7379	80.00	1247	119.00	919		

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P40914B.b\BFB1394.D

Page 1

Date : 14-SEP-2004 20:58

Client ID: 50NG BFB

Instrument: a3ux10.i

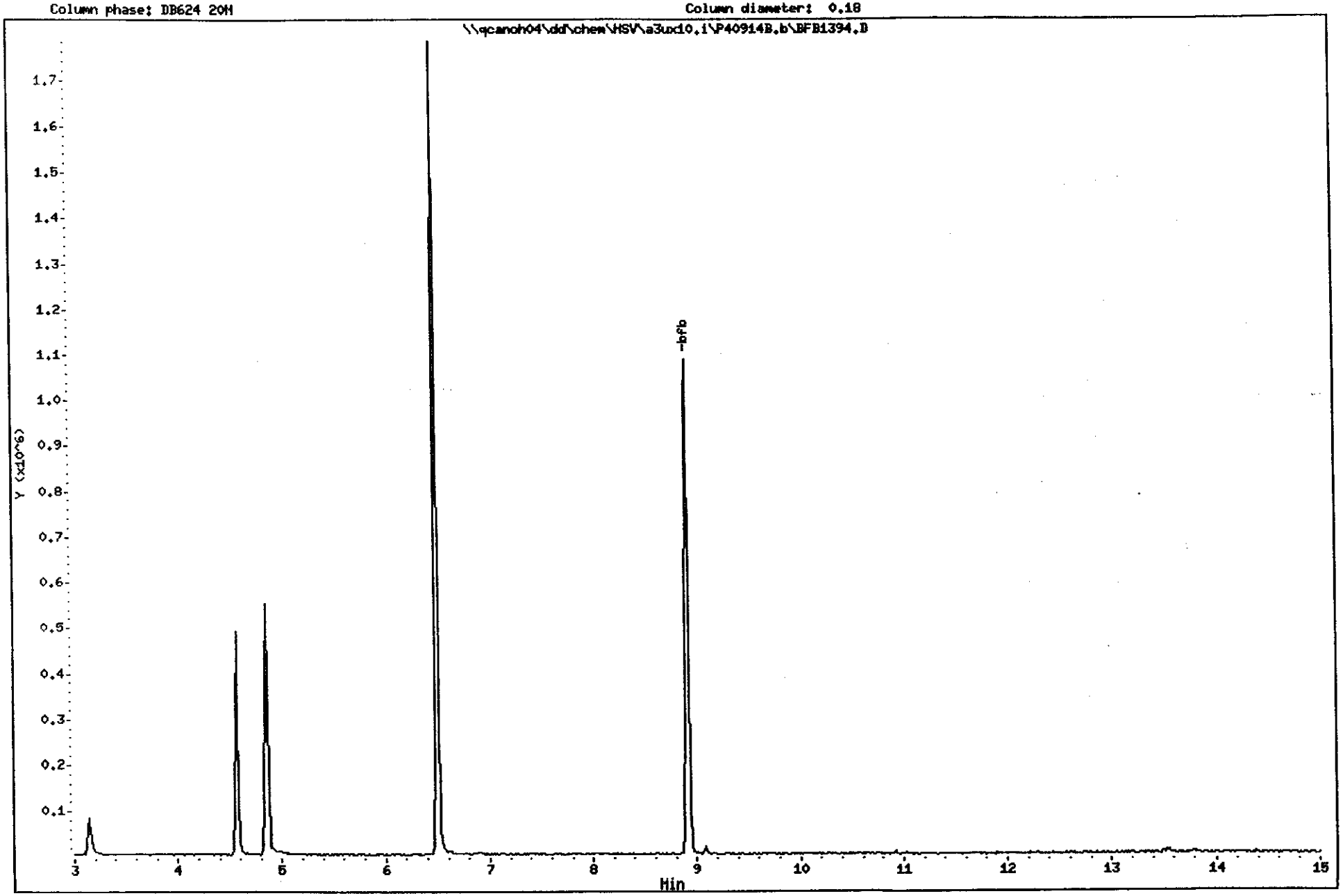
Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4I140148 **Work Order #...:** GP8T11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I150000-300 GP8T11AD-LCSD
Prep Date.....: 09/14/04 **Analysis Date..:** 09/14/04
Prep Batch #...: 4259300
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	50	(22 - 200)			SW846 8260B
	51	(22 - 200)	2.7	(0-95)	SW846 8260B
Benzene	**85**	**(80 - 116)**			**SW846 8260B**
	87	**(80 - 116)**	**2.7**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	86 a	(87 - 130)			SW846 8260B
	88	(87 - 130)	1.5	(0-30)	SW846 8260B
Bromoform	78	(76 - 150)			SW846 8260B
	82	(76 - 150)	4.6	(0-30)	SW846 8260B
Bromomethane	75	(64 - 129)			SW846 8260B
	79	(64 - 129)	5.2	(0-30)	SW846 8260B
2-Butanone	65	(28 - 237)			SW846 8260B
	65	(28 - 237)	0.79	(0-65)	SW846 8260B
Carbon disulfide	73	(73 - 139)			SW846 8260B
	68 a	(73 - 139)	6.9	(0-30)	SW846 8260B
Carbon tetrachloride	85	(75 - 149)			SW846 8260B
	86	(75 - 149)	0.86	(0-30)	SW846 8260B
Chlorobenzene	**91**	**(76 - 117)**			**SW846 8260B**
	93	**(76 - 117)**	**2.4**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	86	(81 - 138)			SW846 8260B
	91	(81 - 138)	5.6	(0-30)	SW846 8260B
Chloroethane	48 a	(66 - 126)			SW846 8260B
	44 a	(66 - 126)	8.5	(0-30)	SW846 8260B
Chloroform	83 a	(84 - 128)			SW846 8260B
	84	(84 - 128)	2.3	(0-30)	SW846 8260B
Chloromethane	56	(48 - 123)			SW846 8260B
	59	(48 - 123)	5.1	(0-30)	SW846 8260B
1,1-Dichloroethane	84 a	(86 - 123)			SW846 8260B
	87	(86 - 123)	3.2	(0-30)	SW846 8260B
1,2-Dichloroethane	83	(79 - 136)			SW846 8260B
	84	(79 - 136)	1.5	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	81 a	(85 - 113)			SW846 8260B
	85	(85 - 113)	3.9	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	90	(79 - 120)			SW846 8260B
	92	(79 - 120)	2.8	(0-30)	SW846 8260B
1,1-Dichloroethene	**82**	**(63 - 130)**			**SW846 8260B**
	83	**(63 - 130)**	**0.94**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	85	(82 - 116)			SW846 8260B
	88	(82 - 116)	3.3	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4I140148 **Work Order #...:** GP8T11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I150000-300 GP8T11AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	91	(82 - 115)			SW846 8260B
	97	(82 - 115)	6.1	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	91	(84 - 130)			SW846 8260B
	92	(84 - 130)	0.13	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	81 a	(84 - 130)			SW846 8260B
	82 a	(84 - 130)	0.63	(0-30)	SW846 8260B
Ethylbenzene	94	(86 - 116)			SW846 8260B
	95	(86 - 116)	0.62	(0-30)	SW846 8260B
2-Hexanone	72	(35 - 200)			SW846 8260B
	75	(35 - 200)	4.0	(0-52)	SW846 8260B
Methylene chloride	86	(78 - 118)			SW846 8260B
	84	(78 - 118)	1.9	(0-30)	SW846 8260B
4-Methyl-2-pentanone	76 a	(78 - 141)			SW846 8260B
	78	(78 - 141)	3.3	(0-32)	SW846 8260B
Styrene	89	(85 - 117)			SW846 8260B
	93	(85 - 117)	4.2	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	106	(85 - 118)			SW846 8260B
	104	(85 - 118)	1.9	(0-30)	SW846 8260B
Tetrachloroethene	84 a	(88 - 113)			SW846 8260B
	87 a	(88 - 113)	3.1	(0-30)	SW846 8260B
Toluene	**93**	**(74 - 119)**			**SW846 8260B**
	94	**(74 - 119)**	**1.1**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	86	(78 - 140)			SW846 8260B
	84	(78 - 140)	2.3	(0-30)	SW846 8260B
1,1,2-Trichloroethane	92	(83 - 122)			SW846 8260B
	96	(83 - 122)	4.2	(0-30)	SW846 8260B
Trichloroethene	**88**	**(75 - 122)**			**SW846 8260B**
	90	**(75 - 122)**	**2.9**	**(0-20)**	**SW846 8260B**
Vinyl chloride	75	(61 - 120)			SW846 8260B
	79	(61 - 120)	6.0	(0-30)	SW846 8260B
Xylenes (total)	89	(87 - 116)			SW846 8260B
	92	(87 - 116)	3.0	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(73 - 122)
	98	(73 - 122)
1,2-Dichloroethane-d4	91	(61 - 128)
	92	(61 - 128)
Toluene-d8	105	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	108	(74 - 116)
	107	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4I140148 **Work Order #...:** GP8T11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I150000-300 GP8T11AD-LCSD

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4I140148 **Work Order #...:** GP8T11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I150000-300 GP8T11AD-LCSD
Prep Date.....: 09/14/04 **Analysis Date..:** 09/14/04
Prep Batch #...: 4259300
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acetone	10	5.0	ug/L	50		SW846 8260B
	10	5.1	ug/L	51	2.7	SW846 8260B
Benzene	**10**	**8.5**	**ug/L**	**85**		**SW846 8260B**
	10	**8.7**	**ug/L**	**87**	**2.7**	**SW846 8260B**
Bromodichloromethane	10	8.6 a	ug/L	86		SW846 8260B
	10	8.8	ug/L	88	1.5	SW846 8260B
Bromoform	10	7.8	ug/L	78		SW846 8260B
	10	8.2	ug/L	82	4.6	SW846 8260B
Bromomethane	10	7.5	ug/L	75		SW846 8260B
	10	7.9	ug/L	79	5.2	SW846 8260B
2-Butanone	10	6.5	ug/L	65		SW846 8260B
	10	6.5	ug/L	65	0.79	SW846 8260B
Carbon disulfide	10	7.3	ug/L	73		SW846 8260B
	10	6.8 a	ug/L	68	6.9	SW846 8260B
Carbon tetrachloride	10	8.5	ug/L	85		SW846 8260B
	10	8.6	ug/L	86	0.86	SW846 8260B
Chlorobenzene	**10**	**9.1**	**ug/L**	**91**		**SW846 8260B**
	10	**9.3**	**ug/L**	**93**	**2.4**	**SW846 8260B**
Dibromochloromethane	10	8.6	ug/L	86		SW846 8260B
	10	9.1	ug/L	91	5.6	SW846 8260B
Chloroethane	10	4.8 a	ug/L	48		SW846 8260B
	10	4.4 a	ug/L	44	8.5	SW846 8260B
Chloroform	10	8.3 a	ug/L	83		SW846 8260B
	10	8.4	ug/L	84	2.3	SW846 8260B
Chloromethane	10	5.6	ug/L	56		SW846 8260B
	10	5.9	ug/L	59	5.1	SW846 8260B
1,1-Dichloroethane	10	8.4 a	ug/L	84		SW846 8260B
	10	8.7	ug/L	87	3.2	SW846 8260B
1,2-Dichloroethane	10	8.3	ug/L	83		SW846 8260B
	10	8.4	ug/L	84	1.5	SW846 8260B
cis-1,2-Dichloroethene	10	8.1 a	ug/L	81		SW846 8260B
	10	8.5	ug/L	85	3.9	SW846 8260B
trans-1,2-Dichloroethene	10	9.0	ug/L	90		SW846 8260B
	10	9.2	ug/L	92	2.8	SW846 8260B
1,1-Dichloroethene	**10**	**8.2**	**ug/L**	**82**		**SW846 8260B**
	10	**8.3**	**ug/L**	**83**	**0.94**	**SW846 8260B**
1,2-Dichloroethene (total)	20	17	ug/L	85		SW846 8260B
	20	18	ug/L	88	3.3	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4I140148 **Work Order #...:** GP8T11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I150000-300 GP8T11AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dichloropropane	10	9.1	ug/L	91		SW846 8260B
	10	9.7	ug/L	97	6.1	SW846 8260B
cis-1,3-Dichloropropene	10	9.1	ug/L	91		SW846 8260B
	10	9.2	ug/L	92	0.13	SW846 8260B
trans-1,3-Dichloropropene	10	8.1 a	ug/L	81		SW846 8260B
	10	8.2 a	ug/L	82	0.63	SW846 8260B
Ethylbenzene	10	9.4	ug/L	94		SW846 8260B
	10	9.5	ug/L	95	0.62	SW846 8260B
2-Hexanone	10	7.2	ug/L	72		SW846 8260B
	10	7.5	ug/L	75	4.0	SW846 8260B
Methylene chloride	10	8.6	ug/L	86		SW846 8260B
	10	8.4	ug/L	84	1.9	SW846 8260B
4-Methyl-2-pentanone	10	7.6 a	ug/L	76		SW846 8260B
	10	7.8	ug/L	78	3.3	SW846 8260B
Styrene	10	8.9	ug/L	89		SW846 8260B
	10	9.3	ug/L	93	4.2	SW846 8260B
1,1,2,2-Tetrachloroethane	10	11	ug/L	106		SW846 8260B
	10	10	ug/L	104	1.9	SW846 8260B
Tetrachloroethene	10	8.4 a	ug/L	84		SW846 8260B
	10	8.7 a	ug/L	87	3.1	SW846 8260B
Toluene	**10**	**9.3**	**ug/L**	**93**		**SW846 8260B**
	10	**9.4**	**ug/L**	**94**	**1.1**	**SW846 8260B**
1,1,1-Trichloroethane	10	8.6	ug/L	86		SW846 8260B
	10	8.4	ug/L	84	2.3	SW846 8260B
1,1,2-Trichloroethane	10	9.2	ug/L	92		SW846 8260B
	10	9.6	ug/L	96	4.2	SW846 8260B
Trichloroethene	**10**	**8.8**	**ug/L**	**88**		**SW846 8260B**
	10	**9.0**	**ug/L**	**90**	**2.9**	**SW846 8260B**
Vinyl chloride	10	7.5	ug/L	75		SW846 8260B
	10	7.9	ug/L	79	6.0	SW846 8260B
Xylenes (total)	30	27	ug/L	89		SW846 8260B
	30	28	ug/L	92	3.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(73 - 122)
	98	(73 - 122)
1,2-Dichloroethane-d4	91	(61 - 128)
	92	(61 - 128)
Toluene-d8	105	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	108	(74 - 116)
	107	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

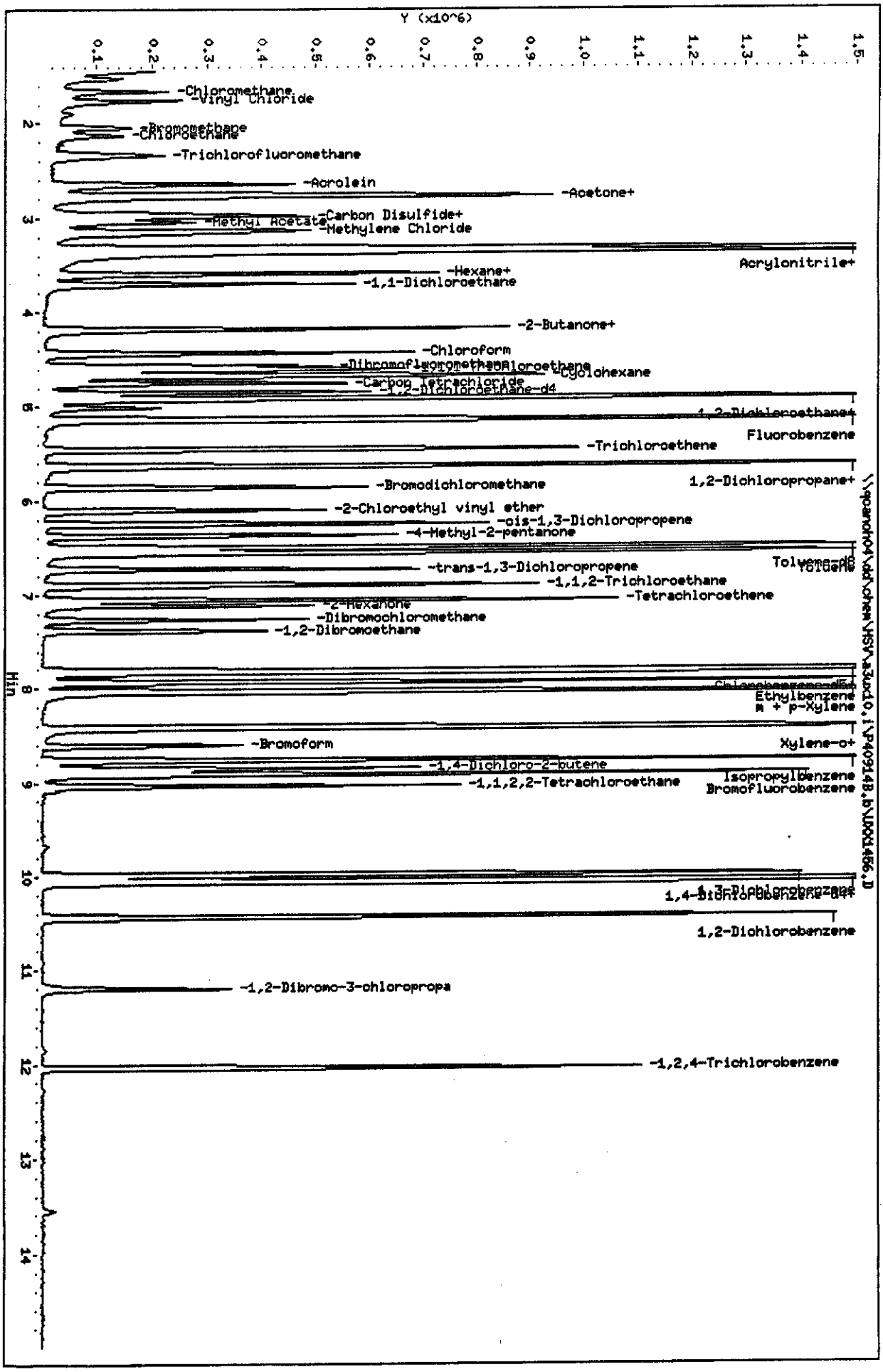
Client Lot #...: A4I140148 **Work Order #...:** GP8T11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4I150000-300 GP8T11AD-LCSD

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.


Data File: \\qcandh04\dd\chem\HSV\a3ud10.i\P409148.b\UXX1456.D
Date : 14-SEP-2004 22:07
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
GP8 TI IAC
Instrument: a3ud10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane
-1,1,1-Trichloroethane
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5
Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-1,4-Dichloro-2-butene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
Bromofluorobenzene
1,4-Dichlorobenzene-d4
1,3-Dichlorobenzene
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcandh04\dd\chem\HSV\a3ud10.i\P409148.b\UXX1456.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1456.D
Report Date: 15-Sep-2004 11:19

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1456.D
Lab Smp Id: CHECK
Inj Date : 14-SEP-2004 22:07
Operator : 1904
Smp Info : CHECK
Misc Info : P40914B,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\8260LLUX10.m
Meth Date : 15-Sep-2004 11:15 quayler
Cal Date : 24-AUG-2004 06:27
Als bottle: 34
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.04
Processing Host: CANPMSV02

Inst ID: a3ux10.i

Quant Type: ISTD
Cal File: UXX0877.D
QC Sample: METHSPIKE

Compound Sublist: 2-8260.SUB

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

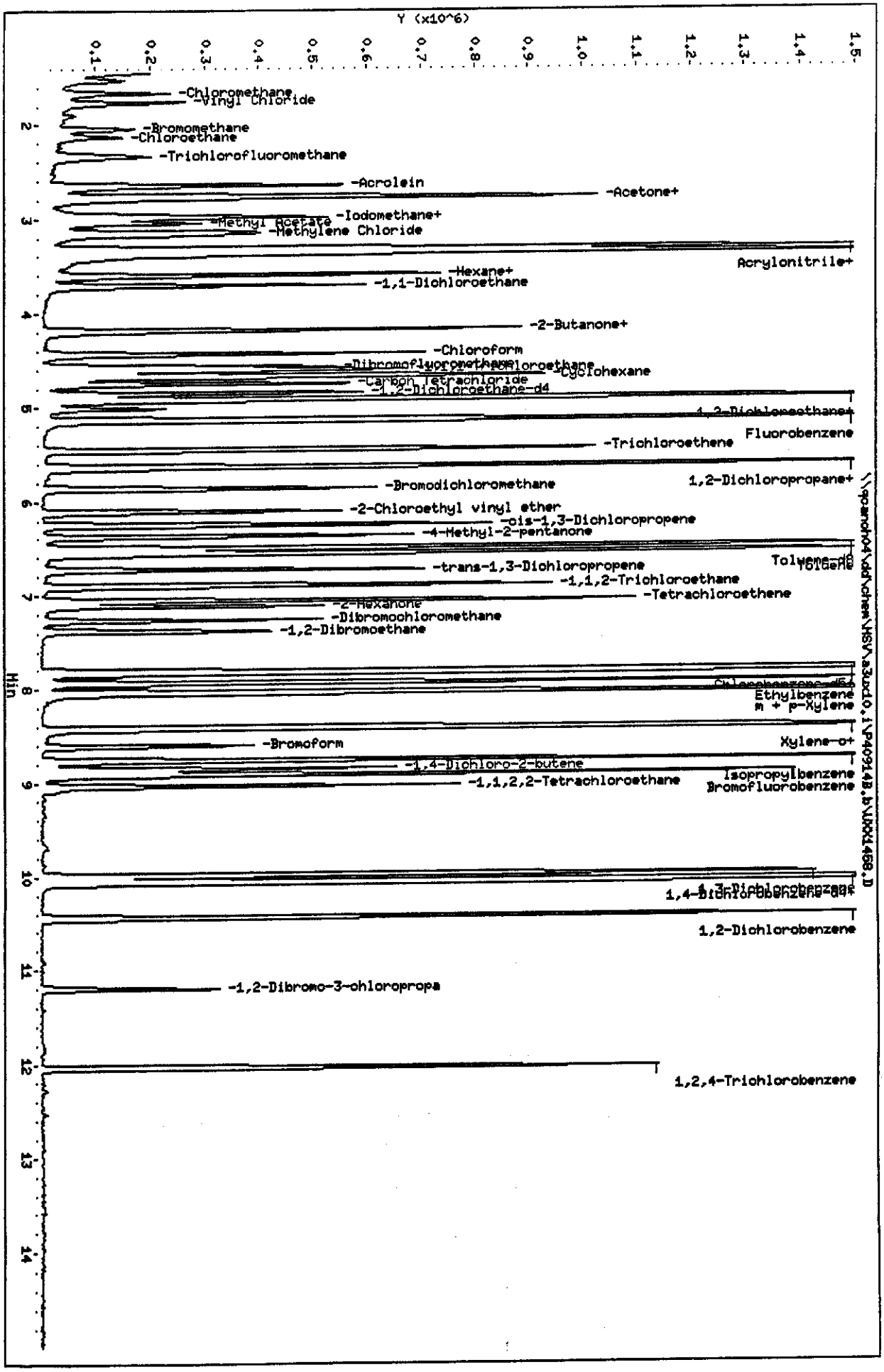
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.136	5.135	(1.000)	1836636	50.0000	
* 2 Chlorobenzene-d5	117	7.810	7.809	(1.000)	1344182	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.047	10.045	(1.000)	671715	50.0000	
$ 4 Dibromofluoromethane	113	4.568	4.567	(0.889)	338467	49.1333	9.827
$ 5 1,2-Dichloroethane-d4	65	4.852	4.851	(0.945)	432762	45.5639	9.113
$ 6 Toluene-d8	98	6.497	6.495	(0.832)	1453589	52.4798	10.496
$ 7 Bromofluorobenzene	95	8.911	8.909	(1.141)	579305	53.8366	10.767
8 Dichlorodifluoromethane	85	1.515	1.526	(0.295)	154534	35.7639	7.153
9 Chloromethane	50	1.657	1.656	(0.323)	266360	28.1959	5.639
10 Vinyl Chloride	62	1.752	1.762	(0.341)	309207	37.4189	7.484
11 Bromomethane	94	2.048	2.046	(0.399)	138877	37.6094	7.522
12 Chloroethane	64	2.131	2.129	(0.415)	159916	23.9343	4.787
13 Trichlorofluoromethane	101	2.344	2.342	(0.456)	308055	29.0004	5.800
15 Acrolein	56	2.639	2.650	(0.514)	606989	302.972	60.594
16 Acetone	43	2.770	2.768	(0.539)	162661	24.8007	4.960
17 1,1-Dichloroethene	96	2.758	2.780	(0.537)	296203	41.1122	8.222
18 Freon-113	151	2.770	2.780	(0.539)	227501	43.6448	8.729
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1456.D
Report Date: 15-Sep-2004 11:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.971	2.969	(0.578)	761269	36.4714	7.294
	21 Methylene Chloride	84	3.136	3.158	(0.611)	362033	43.0683	8.614
	22 Acetonitrile	41	2.994	2.993	(0.583)	460221	374.130	74.826
	23 Acrylonitrile	53	3.314	3.324	(0.645)	1941456	425.540	85.108
	24 Methyl tert-butyl ether	73	3.361	3.371	(0.654)	1068486	42.1518	8.430
	25 trans-1,2-Dichloroethene	96	3.373	3.371	(0.657)	359625	44.7557	8.951
	26 Hexane	86	3.598	3.596	(0.701)	77229	47.9175	9.584
	27 Vinyl acetate	43	3.598	3.726	(0.701)	240587	12.5144	2.503
	28 1,1-Dichloroethane	63	3.704	3.703	(0.721)	588692	42.0896	8.418
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.178	4.176	(0.813)	249377	32.4673	6.493
M	31 1,2-Dichloroethene (total)	96				712079	85.4173	17.083
	32 cis-1,2-dichloroethene	96	4.178	4.176	(0.813)	352454	40.6616	8.132
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.438	4.436	(0.864)	590555	41.2640	8.253
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.604	4.602	(0.896)	472716	42.8810	8.576
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.746	4.756	(0.924)	385973	42.6810	8.536
	40 1,2-Dichloroethane	62	4.911	4.910	(0.956)	495918	41.4723	8.294
	41 Benzene	78	4.911	4.910	(0.956)	1472540	42.4774	8.495
	42 Trichloroethene	130	5.456	5.454	(1.062)	397757	43.7964	8.759
	43 1,2-Dichloropropane	63	5.633	5.632	(1.097)	335215	45.6602	9.132
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.858	5.856	(1.141)	428895	43.1866	8.637
	47 2-Chloroethyl vinyl ether	63	6.106	6.105	(1.189)	230466	46.1408	9.228
	48 cis-1,3-Dichloropropene	75	6.248	6.247	(1.217)	509796	45.7279	9.146
	49 4-Methyl-2-pentanone	43	6.367	6.365	(1.240)	470385	37.8690	7.574
	50 Toluene	91	6.556	6.554	(0.839)	1569339	46.3427	9.268
	51 trans-1,3-Dichloropropene	75	6.734	6.732	(0.862)	445776	40.6126	8.122
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.899	6.898	(0.883)	321693	45.9549	9.191
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.053	7.063	(0.903)	274410	42.1060	8.421
	56 2-Hexanone	43	7.112	7.111	(0.911)	335562	35.9989	7.200
	57 Dibromochloromethane	129	7.266	7.264	(0.930)	296816	42.9831	8.597
	58 1,2-Dibromoethane	107	7.373	7.383	(0.944)	346617	47.7871	9.557
	59 Chlorobenzene	112	7.834	7.832	(1.003)	997772	45.5664	9.113
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.929	7.927	(1.015)	550036	47.2415	9.448
	62 m + p-Xylene	106	8.035	8.045	(1.029)	1359237	90.7942	18.159
M	63 Xylenes (total)	106				2007835	133.972	26.794
	64 Xylene-o	106	8.414	8.412	(1.077)	648598	43.1781	8.636
	65 Styrene	104	8.426	8.424	(1.079)	1066478	44.5166	8.903
	66 Bromoform	173	8.603	8.602	(1.101)	202632	38.9662	7.793

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1456.D
Report Date: 15-Sep-2004 11:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
67 Isopropylbenzene	105	8.769	8.767	(1.123)	1625832	46.3249	9.265
68 1,1,2,2-Tetrachloroethane	83	9.041	9.039	(0.900)	462635	53.0904	10.618
69 1,4-Dichloro-2-butene	53	8.852	9.087	(0.881)	17634	6.29880	1.260
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	9.988	9.986	(0.994)	756225	46.0669	9.213
81 1,4-Dichlorobenzene	146	10.070	10.069	(1.002)	814670	46.6435	9.329
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.437	10.436	(1.039)	728090	45.2692	9.054
84 1,2-Dibromo-3-chloropropane	157	11.206	11.205	(1.115)	105321	43.4905	8.698
85 1,2,4-Trichlorobenzene	180	12.035	12.033	(1.198)	407775	43.3230	8.665
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.663	4.673	(0.908)	522427	41.4557	8.291
143 Methyl Acetate	43	3.042	3.040	(0.592)	375607	39.7007	7.940
144 Methylcyclohexane	83	5.633	5.632	(1.097)	505176	42.8541	8.571
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					


Data File: \\qcanch04\dd\chem\HSV\a3ux10.i\P409148.b\UXX1458.D
Date : 14-SEP-2004 22:53
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
GP8TIAD
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methyl Acetate
-Methylene Chloride
Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5
Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-1,4-Dichloro-2-butene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
Bromofluorobenzene
1,4-Dichlorobenzene-d4+
1,4-Dichlorobenzene
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
1,2,4-Trichlorobenzene
\\qcanch04\dd\chem\HSV\a3ux10.i\P409148.b\UXX1458.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1458.D
Report Date: 15-Sep-2004 11:20

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1458.D
Lab Smp Id: CHECK
Inj Date : 14-SEP-2004 22:53
Operator : 1904
Smp Info : CHECK
Misc Info : P40914B,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\8260LLUX10.m
Meth Date : 15-Sep-2004 11:15 quayler
Cal Date : 24-AUG-2004 06:27
Als bottle: 36
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.04
Processing Host: CANPMSV02

Inst ID: a3ux10.i
Quant Type: ISTD
Cal File: UXX0877.D
QC Sample: METHSPIKE
Compound Sublist: 2-8260.SUB

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.137	5.135	(1.000)	1829848	50.0000	
* 2 Chlorobenzene-d5	117	7.811	7.809	(1.000)	1343995	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.047	10.045	(1.000)	670558	50.0000	
$ 4 Dibromofluoromethane	113	4.569	4.567	(0.889)	335739	48.9181	9.784
$ 5 1,2-Dichloroethane-d4	65	4.853	4.851	(0.945)	434834	45.9519	9.190
$ 6 Toluene-d8	98	6.497	6.495	(0.832)	1437771	51.9159	10.383
$ 7 Bromofluorobenzene	95	8.911	8.909	(1.141)	573275	53.2836	10.657
8 Dichlorodifluoromethane	85	1.516	1.526	(0.295)	168564	39.0117	7.802
9 Chloromethane	50	1.658	1.656	(0.323)	279237	29.6687	5.934
10 Vinyl Chloride	62	1.752	1.762	(0.341)	327182	39.7410	7.948
11 Bromomethane	94	2.036	2.046	(0.397)	146352	39.6242	7.925
12 Chloroethane	64	2.131	2.129	(0.415)	146360	21.9866	4.397
13 Trichlorofluoromethane	101	2.344	2.342	(0.456)	277526	26.4530	5.291
15 Acrolein	56	2.652	2.650	(0.516)	716661	359.041	71.808
16 Acetone	43	2.770	2.768	(0.539)	166424	25.4686	5.094
17 1,1-Dichloroethene	96	2.770	2.780	(0.539)	297899	41.5010	8.300
18 Freon-113	151	2.770	2.780	(0.539)	228388	43.9775	8.795

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1458.D
Report Date: 15-Sep-2004 11:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	19 Iodomethane	142	2.912	2.910	(0.567)	22529	2.39062	0.4781
	20 Carbon Disulfide	76	2.971	2.969	(0.578)	707707	34.0311	6.806
	21 Methylene Chloride	84	3.149	3.158	(0.613)	354564	42.2432	8.449
	22 Acetonitrile	41	2.983	2.993	(0.581)	475096	388.917	77.783
	23 Acrylonitrile	53	3.314	3.324	(0.645)	1942539	427.357	85.471
	24 Methyl tert-butyl ether	73	3.362	3.371	(0.654)	1097792	43.4685	8.694
	25 trans-1,2-Dichloroethene	96	3.374	3.371	(0.657)	368494	46.0295	9.206
	26 Hexane	86	3.598	3.596	(0.701)	81807	50.9463	10.189
	27 Vinyl acetate	43	3.598	3.726	(0.701)	243578	12.7170	2.543
	28 1,1-Dichloroethane	63	3.705	3.703	(0.721)	605372	43.4427	8.688
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.178	4.176	(0.813)	250416	32.7235	6.545
M	31 1,2-Dichloroethene (total)	96				733579	88.3046	17.661
	32 cis-1,2-dichloroethene	96	4.178	4.176	(0.813)	365085	42.2750	8.455
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.438	4.436	(0.864)	602207	42.2342	8.447
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.604	4.602	(0.896)	460213	41.9017	8.380
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.758	4.756	(0.926)	387890	43.0521	8.610
	40 1,2-Dichloroethane	62	4.912	4.910	(0.956)	501659	42.1081	8.422
	41 Benzene	78	4.912	4.910	(0.956)	1506880	43.6292	8.726
	42 Trichloroethene	130	5.456	5.454	(1.062)	407805	45.0694	9.014
	43 1,2-Dichloropropane	63	5.634	5.632	(1.097)	355002	48.5348	9.707
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.858	5.856	(1.141)	433691	43.8316	8.766
	47 2-Chloroethyl vinyl ether	63	6.107	6.105	(1.189)	250568	50.3515	10.070
	48 cis-1,3-Dichloropropene	75	6.249	6.247	(1.217)	508609	45.7907	9.158
	49 4-Methyl-2-pentanone	43	6.367	6.365	(1.240)	484272	39.1316	7.826
	50 Toluene	91	6.557	6.554	(0.839)	1585882	46.8377	9.368
	51 trans-1,3-Dichloropropene	75	6.734	6.732	(0.862)	448514	40.8677	8.174
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.900	6.898	(0.883)	335612	47.9499	9.590
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.054	7.063	(0.903)	283118	43.4482	8.690
	56 2-Hexanone	43	7.113	7.111	(0.911)	349426	37.4914	7.498
	57 Dibromochloromethane	129	7.266	7.264	(0.930)	313723	45.4378	9.088
	58 1,2-Dibromoethane	107	7.385	7.383	(0.945)	348412	48.0412	9.608
	59 Chlorobenzene	112	7.834	7.832	(1.003)	1021752	46.6680	9.334
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.929	7.927	(1.015)	553361	47.5337	9.507
	62 m + p-Xylene	106	8.036	8.045	(1.029)	1401711	93.6444	18.729
M	63 Xylenes (total)	106				2069705	138.120	27.624
	64 Xylene-o	106	8.414	8.412	(1.077)	667994	44.4755	8.895
	65 Styrene	104	8.426	8.424	(1.079)	1112501	46.4441	9.289

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1458.D
Report Date: 15-Sep-2004 11:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
66 Bromoform	173	8.604	8.602	(1.101)	212723	40.7821	8.156
67 Isopropylbenzene	105	8.769	8.767	(1.123)	1603961	45.7081	9.142
68 1,1,2,2-Tetrachloroethane	83	9.041	9.039	(0.900)	453007	52.0752	10.415
69 1,4-Dichloro-2-butene	53	8.852	9.087	(0.881)	14921	5.33892	1.068
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	9.988	9.986	(0.994)	769370	46.9485	9.390
81 1,4-Dichlorobenzene	146	10.071	10.069	(1.002)	816449	46.8260	9.365
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.438	10.436	(1.039)	764193	47.5959	9.519
84 1,2-Dibromo-3-chloropropane	157	11.195	11.205	(1.114)	111017	45.9216	9.184
85 1,2,4-Trichlorobenzene	180	12.035	12.033	(1.198)	422536	44.9687	8.994
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.663	4.673	(0.908)	541027	43.0909	8.618
143 Methyl Acetate	43	3.042	3.040	(0.592)	376592	39.9525	7.990
144 Methylcyclohexane	83	5.634	5.632	(1.097)	493650	42.0317	8.406
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4I140148 **Work Order #...:** GP8T11AA **Matrix.....:** WATER
MB Lot-Sample #: A4I150000-300

Prep Date.....: 09/14/04 **Final Wgt/Vol..:** 5 mL

Analysis Date..: 09/14/04 **Prep Batch #...:** 4259300
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

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

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4I140148 **Work Order #...:** GP8T11AA **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	101	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
Toluene-d8	103	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

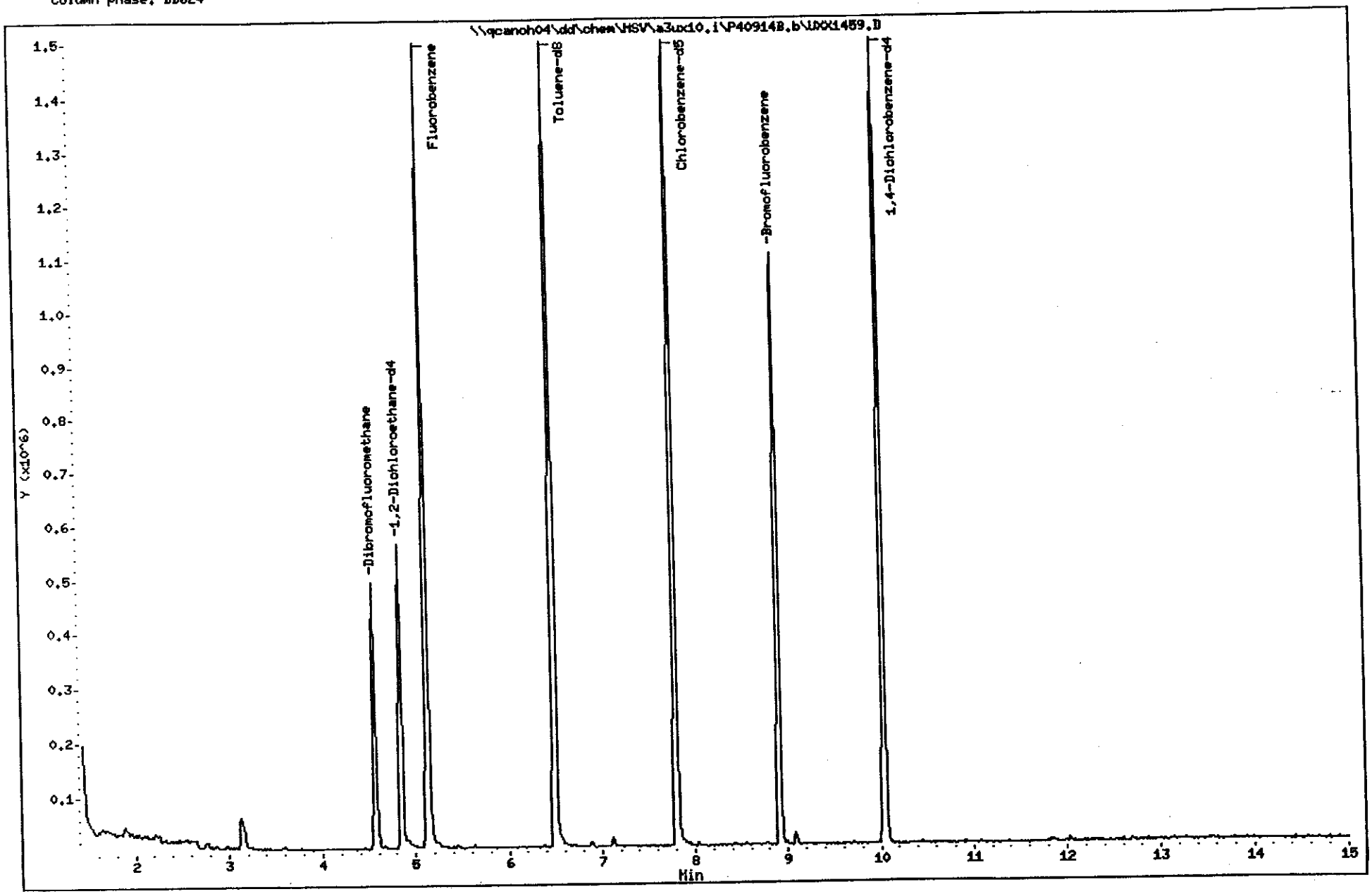
NOTE(S):

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P40914B.b\UXX1459.D
Date : 14-SEP-2004 23:16
Client ID:
Sample Info: VBLK,5ML/5ML GP871AA
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1459.D
Report Date: 15-Sep-2004 11:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1459.D
Lab Smp Id: VBLK
Inj Date : 14-SEP-2004 23:16
Operator : 1904 Inst ID: a3ux10.i
Smp Info : VBLK,5ML/5ML
Misc Info : P40914B,8260LLUX10,,1904,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\8260LLUX10.m
Meth Date : 15-Sep-2004 11:15 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 06:27 Cal File: UXX0877.D
Als bottle: 36 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV02

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	1685087	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1253414	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	617663	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.567	(0.889)	318379	50.3738	10.075
$ 5 1,2-Dichloroethane-d4	65	4.851	4.851	(0.945)	411228	47.1905	9.438
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	1325664	51.3272	10.265
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	486534	48.4894	9.698
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1459.D
Report Date: 15-Sep-2004 11:21

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1459.D
Report Date: 15-Sep-2004 11:21

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1459.D
Report Date: 15-Sep-2004 11:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\UXX1459.D
Lab Smp Id: VBLK
Inj Date : 14-SEP-2004 23:16
Operator : 1904
Smp Info : VBLK,5ML/5ML
Misc Info : P40914B,8260LLUX10,,1904,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40914B.b\8260LLUX10.m
Meth Date : 15-Sep-2004 11:15 quayler
Cal Date : 24-AUG-2004 06:27
Als bottle: 36
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.04
Processing Host: CANPMSV02

Inst ID: a3ux10.i

Quant Type: ISTD
Cal File: UXX0877.D
QC Sample: BLANK

Compound Sublist: 4-8260+IX.sub

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

SEVERN TRENT STL

MISCELLANEOUS DATA

UX10
Batch # 4239597

STL-North Canton
GC/MS VOA Run Log

Date: 8-25-04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V2198 SS # V2200	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

8/30

Auto. num.	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB 1375	50ng		2325	ok
	P260 STD		UXX0907	200ng	V2196 V2203, 14, 18		ok
			08	100ng			ok
			09	50ng		V40825	ok
			10	25ng			ok
			11	10ng			ok
			12	5ng			ok
	ICV		13	50ng	V2194		ok
	AP. TX STD		14	50ng	V2191, 2205	V40812	ok
	CHECK	GN20C	15	50ng	V2194		ok
	CHECK		16	50ng			ok
	BLANK		17	5ML			ok
	GNGESIAC		18	0.25ml/5ml			ok
	GNGESIAE	MS	19		+ 50ng		ok
	GNGESIAF	MSD	20				ok
	GNGE7IAA		21	5ML			ok
	GNEM6IAA		22				ok
	GNEMKIAA		23				ok
	GNEMLIAA		24				ok
	GNEMMIAA		25	0.6ml/5ml			ok
	GNEMNIAA		26	5ML			ok
	GNEMPIAA		27				ok
	GNEMQIAA		28				ok
	GNEMVIAA		29				ok
	GNEMXIAA		30				ok
	GNEMDIAA		31				ok
	GNEMZIAA		32				ok
	GNEMYIAA		33				ok
	GNEM5IAA		34				ok
	GNEM6IAA		35				ok
	GNEM7IAA		36				ok
	GNEM8IAA		UXX0937				ok

Analyst: RQ
Level 2 review: SAR

UX10
Batch # 4259300

STL-North Canton
GC/MS VOA Run Log

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 # V2198 SS # V2200

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

9/15

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		BFB1394	50ng		2058	ok
	8260 STD		UXX1454	50ng	V2252,53,66	R – DCE↓	~~ok~~ RR 9-15-04
	APP. IX STD		55	50ng	V2157,56	V40812	ok
	CHECK	GD8T1	56	50ng			ok
	8260 STD ~~CHECK~~ RR 9-14-04		57	50ng		V40825	ok
	CHECK ~~BLANK~~ RR 9-14-04	GP8T1	58	50ng			ok
	BLANK	↓	59	5ML			ok
	GPGXR1AA		60	5ML			ok
M	GPG071AA		61	↓			ok
	GPG151AA		62	0.065ML/5ML		R – 5ML?	–
	GPG1K1AA		63	5ML			ok
	GPG152AA		64	0.65ML/5ML		R – 5ML	–
	GPG1K1AC	MS	65	5ML	+50ng		ok
	GPG1K1AB	MSD	66	↓	↓		ok
	GPG2E1AA		67	5ML		R – 100ml?	ok
	GPG2F1AA		68			R – CO?	–
	GPG2L1AA		69				ok
	GPG2T1AA		70	↓			ok
	GP5W51AA		71	0.9ML/5ML			ok
	GP5W61AA		72	5ML			ok
	GPWJ41AA		73	5ML			ok
	GPG0P1AA		74	0.01ML/5ML			ok
	GPG021AA		75	5ML			ok
	GPHN11AA		76				ok
	GPHN21AA		77	↓		R – IS↓↓↓	~~ok~~ RR 9-15-04
	GPHN31AA		78	0.0015ML/5ML		R – IS↓↓↓	~~ok~~ RR 9-15-04
	GPHN51AA ~~GPHN41AA~~ RR 9-14-04		79	5ML			ok
	GPNL41AH ~~GPNL41AH~~ RR 9-14-04		80				ok
	GPNL71AH		81	↓			ok
	GPG2F1AA		82	5ML			ok
	GP5W52AA		UXX1483	↓			ok

Analyst: RO
Level 2 review: TS

Severn Trent Laboratories, Inc

System Date: 9/14/04 10:00:49
Local Date: 9/14/04 12:00:49

MSVOC Lot Summary - A4I140148

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

SDG:

Date Received: 9/14/04
Date Analysis Due: 9/15/04 N
Date Report Due: 9/21/04
Turnaround Time: 1

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
01-	GP5W5-1AA	XX I 25 QK 01 MS8260LL		9/13/04 10:55	9/27/04	Y	MW026/091304 PH=1 FC=N Q: CLP MSVOA TCL Standard List EXP DEL,SDG #4I14148(CLSD).DUE 9-15-04 BY 3PM, NEED10X LEXXER DILUTION AP9 Compounds
3							
02-	GP5W6-1AA	XX I 25 QK 01 MS8260LL		9/13/04	9/27/04	Y	TRIP BLANK/091304 Q: CLP MSVOA TCL Standard List EXP DEL,SDG #4I14148(CLSD).DUE 9-15-04 BY 3PM, NEED10X LEXXER DILUTION AP9 Compounds
2							

09/21/04 10:04:10 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A4I140148	1	GP5W51AA	MS8260LL	9/15/04	Richard Quayle
A4I140148	1	GP5W52AA	MS8260LL	9/15/04	Richard Quayle
A4I140148	2	GP5W61AA	MS8260LL	9/15/04	Richard Quayle

*** END OF REPORT ***

SEVERN TRENT STL

END OF REPORT