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SEVERN TRENT STL

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ANALYTICAL REPORT

PROJECT NO. 100.58.15

EMD GROUNDWATER SAMPLING

Lot #: A4K120249
SDG #: 4K12249

Angela Hurley

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

SEVERN TRENT LABORATORIES, INC.

Roger K. Toth
Project Manager

November 29, 2004

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE

4K12249

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 Groundwater Sampling Site, project number 100.58.15. The samples were received November 12, 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 November 18, 2004, and November 19, 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 2.4°C.

CASE NARRATIVE (continued)

GC/MS VOLATILES

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

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

The matrix spike/matrix spike duplicate(s) for batch(es) 4323190 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

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

QC BATCH

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

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

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND 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), the analytes were greater than 10 times the blank level for organics or 20 times for inorganics, or the associated sample(s) must be ND except for the common laboratory contaminants indicated 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 only*

The listed volatile and semivolatile compounds may be present in concentrations up to 5 times the reporting limits. Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

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 does not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike for inorganics.

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 are 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 the surrogate recoveries are outside criteria for environmental or MS/MSD samples, the batch is acceptable if the Method Blank, LCS, and LCSD surrogate recoveries are within acceptance criteria. The only exception is if the surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank and the associated sample(s) are ND, the batch is acceptable. If the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed.

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 criteria is that one of two surrogate compounds meet acceptance criteria.

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EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A4K120249

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
P-6/111104 11/11/04 12:05 001				
Acetone	1.2 J	10	ug/L	SW846 8260B
2-Butanone	0.76 J	10	ug/L	SW846 8260B
1,1-Dichloroethane	4.1	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	2.2	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	2.2	2.0	ug/L	SW846 8260B
Vinyl chloride	2.4	1.0	ug/L	SW846 8260B
Xylenes (total)	0.49 J	2.0	ug/L	SW846 8260B
TRIP BLANK 11/11/04 002				
Acetone	15	10	ug/L	SW846 8260B
2-Butanone	13	10	ug/L	SW846 8260B
Methylene chloride	0.64 J,B	1.0	ug/L	SW846 8260B
Toluene	0.57 J	1.0	ug/L	SW846 8260B
Xylenes (total)	0.53 J	2.0	ug/L	SW846 8260B

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METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A4K120249

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.

SAMPLE SUMMARY

SAMPLE SUMMARY

A4K120249

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GWWDE	001	P-6/111104	11/11/04	12:0
GWWDV	002	TRIP BLANK	11/11/04	

NOTE(S):

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

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SHIPPING AND RECEIVING DOCUMENTS

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, I

STL-4124 (0901)

Client: The Payne Firm	Project Manager: Kevin Kallini	Date: 11/11/04	Chain of Custody Number: 163690
Address: 11231 Cornell Park Dr	Telephone Number (Area Code)/Fax Number: 513-489-2255/513-489-2533	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45242	Site Contact: A. Hurley	Lab Contact: R. Toth	
Project Name and Location (State): EMD Groundwater sampling	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 100.58.15			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): VOC 8260 *	Special Instructions/Conditions of Receipt
P-6/111104	11/11/04	1205		X							3				X	Results to
Trip Blank	—	—		X							2				X	Kevin Kallini
																Seven day t
																*Appendix IX

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

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

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

QC Requirements (Specify): Level 4

1. Relinquished By	Date 11/11/04	Time 1432	1. Received By	Date 11/11/04	Time 1432
2. Relinquished By	Date 11/11/04	Time 1500	2. Received By	Date 11/12/04	Time 9:00
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

STL North Canton

RSR280

Severn Trent Laboratories, Inc.
Sample Control Record

Client: 5670

Lot #: A4K120249

Case Number/SDG: 100.58.15

Storage Location: MS

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
GWWDE	SANDERA2	11/12/04	Yes		Storage	
GWWDV	SANDERA2	11/12/04	Yes		Storage	

STL Cooler Receipt Form/Narrative **Lot Number:** A4K120249

North Canton Facility

Client: Payne Firm Project: _____ Quote#: _____

Cooler Received on: 11/12/04 Opened on: 11/12/04 by: [signature] (Signature)

Fedx ☐ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ Other: Stetson

STL Cooler No# 789 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 2.4 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☒ ICE/H_2O Slurry ☐

COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

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

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

Concerning: _____

√		

1. CHAIN OF CUSTODY

The following discrepancies occurred:

_____

2. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot #052804-HNO3; Sulfuric Acid Lot # 011-504-H2SO4; Sodium Hydroxide Lot # -082404-NaOH; Hydrochloric Acid Lot # 100902-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*

Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Tracy Fetzpec RVT 11-12-04

Closed 509

Client ID	pH	Date	Initials

North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp	Method	Coolant

Discrepancies Cont.

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GCMS VOLATILE DATA

SEVERN TRENT STL

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

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

Lab Code: STLCAN SDG No: 4K12249

Lot #: A4K120249

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	P-6/111104	104	98	101	85	00
02	TRIP BLANK	102	95	102	88	00
03	INTRA-LAB QC	102	96	104	89	00
04	METHOD BLK. GW8891AA	100	95	102	91	00
05	LCS GW8891AC	98	93	106	101	00
06	LAB MS/MSD D	101	94	106	98	00
07	LCSD GW8891AD	100	95	104	102	00
08	LAB MS/MSD S	103	96	105	99	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: 4K12249

Lot #: A4K180000 WO #: GW8891AC
BATCH: 4323190

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	8.5	85	48- 123	
Bromomethane	10	9.2	92	64- 129	
Vinyl chloride	10	9.2	92	61- 120	
Chloroethane	10	11	106	66- 126	
Methylene chloride	10	11	107	78- 118	
Acetone	10	16	155	22- 200	
Carbon disulfide	10	12	118	73- 139	
1,1-Dichloroethene	10	10	105	63- 130	
1,1-Dichloroethane	10	9.8	98	86- 123	
1,2-Dichloroethene (total	20	20	98	82- 116	
Chloroform	10	9.1	91	84- 128	
1,2-Dichloroethane	10	8.7	87	79- 136	
2-Butanone	10	13	129	28- 237	
1,1,1-Trichloroethane	10	9.6	96	78- 140	
Carbon tetrachloride	10	10	100	75- 149	
Bromodichloromethane	10	9.4	94	87- 130	
1,2-Dichloropropane	10	9.9	99	82- 115	
cis-1,3-Dichloropropene	10	9.3	93	84- 130	
Trichloroethene	10	10	104	75- 122	
Dibromochloromethane	10	9.7	97	81- 138	
1,1,2-Trichloroethane	10	9.7	97	83- 122	
Benzene	10	9.7	97	80- 116	
trans-1,3-Dichloropropene	10	8.7	87	84- 130	
Bromoform	10	10	102	76- 150	
4-Methyl-2-pentanone	10	8.9	89	78- 141	
2-Hexanone	10	8.4	84	35- 200	
Tetrachloroethene	10	11	113	88- 113	
1,1,2,2-Tetrachloroethane	10	9.4	94	85- 118	
Toluene	10	10	101	74- 119	
Chlorobenzene	10	9.8	98	76- 117	
Ethylbenzene	10	9.9	99	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: 4K12249

Lot #: A4K180000 WO #: GW8891AC
BATCH: 4323190

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	8.9	89	85- 117	
Xylenes (total)	30	29	97	87- 116	
cis-1,2-Dichloroethene	10	9.8	98	85- 113	
trans-1,2-Dichloroethene	10	9.8	98	79- 120	
Dichlorodifluoromethane	10	8.1	81	70- 130	
Trichlorofluoromethane	10	12	118	70- 130	
1,1,2-Trichloro-1,2,2-tri	10	12	119	70- 130	
Methyl acetate	10	10	101	70- 130	
Methyl tert-butyl ether (	10	9.5	95	70- 130	
Cyclohexane	10	10	101	70- 130	
Methylcyclohexane	10	9.9	99	70- 130	
1,2-Dibromoethane	10	10	100	70- 130	
Isopropylbenzene	10	9.8	98	70- 130	
1,3-Dichlorobenzene	10	9.7	97	70- 130	
1,4-Dichlorobenzene	10	9.6	96	70- 130	
1,2-Dichlorobenzene	10	9.9	99	70- 130	
1,2-Dibromo-3-chloropropa	10	9.8	98	70- 130	
1,2,4-Trichlorobenzene	10	12	121	70- 130	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 49 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4K12249

Lot #: A4K180000 WO #: GW8891AD
BATCH: 4323190

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	8.6	86	48 - 123	
Bromomethane	10	9.0	90	64 - 129	
Vinyl chloride	10	8.9	89	61 - 120	
Chloroethane	10	11	105	66 - 126	
Methylene chloride	10	11	108	78 - 118	
Acetone	10	16	155	22 - 200	
Carbon disulfide	10	11	115	73 - 139	
1,1-Dichloroethene	10	9.9	99	63 - 130	
1,1-Dichloroethane	10	9.7	97	86 - 123	
1,2-Dichloroethene (total	20	20	98	82 - 116	
Chloroform	10	9.2	92	84 - 128	
1,2-Dichloroethane	10	8.8	88	79 - 136	
2-Butanone	10	12	125	28 - 237	
1,1,1-Trichloroethane	10	9.7	97	78 - 140	
Carbon tetrachloride	10	9.7	97	75 - 149	
Bromodichloromethane	10	9.6	96	87 - 130	
1,2-Dichloropropane	10	10	102	82 - 115	
cis-1,3-Dichloropropene	10	9.2	92	84 - 130	
Trichloroethene	10	11	107	75 - 122	
Dibromochloromethane	10	9.7	97	81 - 138	
1,1,2-Trichloroethane	10	9.9	99	83 - 122	
Benzene	10	10	100	80 - 116	
trans-1,3-Dichloropropene	10	8.8	88	84 - 130	
Bromoform	10	10	103	76 - 150	
4-Methyl-2-pentanone	10	9.2	92	78 - 141	
2-Hexanone	10	8.4	84	35 - 200	
Tetrachloroethene	10	11	109	88 - 113	
1,1,2,2-Tetrachloroethane	10	9.6	96	85 - 118	
Toluene	10	10	100	74 - 119	
Chlorobenzene	10	9.7	97	76 - 117	
Ethylbenzene	10	9.8	98	86 - 116	

(Continued on next page)

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4K12249

Lot #: A4K180000 WO #: GW8891AD
BATCH: 4323190

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	8.9	89	85- 117	
Xylenes (total)	30	29	97	87- 116	
cis-1,2-Dichloroethene	10	9.9	99	85- 113	
trans-1,2-Dichloroethene	10	9.8	98	79- 120	
Dichlorodifluoromethane	10	7.2	72	70- 130	
Trichlorofluoromethane	10	11	113	70- 130	
1,1,2-Trichloro-1,2,2-tri	10	11	112	70- 130	
Methyl acetate	10	11	108	70- 130	
Methyl tert-butyl ether (	10	9.6	96	70- 130	
Cyclohexane	10	9.7	97	70- 130	
Methylcyclohexane	10	9.4	94	70- 130	
1,2-Dibromoethane	10	10	100	70- 130	
Isopropylbenzene	10	9.7	97	70- 130	
1,3-Dichlorobenzene	10	9.7	97	70- 130	
1,4-Dichlorobenzene	10	9.6	96	70- 130	
1,2-Dichlorobenzene	10	10	100	70- 130	
1,2-Dibromo-3-chloropropa	10	9.9	99	70- 130	
1,2,4-Trichlorobenzene	10	12	122	70- 130	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 49 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4K12249

Matrix Spike ID: LAB MS/MSD

Lot #: A4K130189 WO #: GW0G31AD
BATCH: 4323190

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	25	ND	27	108	62- 130	
Chloromethane	25	ND	21	85	40- 137	
Bromomethane	25	ND	21	86	55- 145	
Vinyl chloride	25	ND	24	96	88- 126	
Chloroethane	25	ND	28	110	59- 142	
Methylene chloride	25	ND	26	105	82- 115	
Acetone	25	ND	27	101	45- 128	
Carbon disulfide	25	ND	30	122	69- 138	
1,1-Dichloroethane	25	ND	25	100	88- 127	
1,2-Dichloroethene (total	50	60	110	103	86- 115	
Chloroform	25	ND	23	93	83- 141	
1,2-Dichloroethane	25	ND	22	89	71- 160	
2-Butanone	25	ND	27	109	71- 123	
1,1,1-Trichloroethane	25	ND	24	98	71- 162	
Carbon tetrachloride	25	ND	26	104	63- 176	
Bromodichloromethane	25	ND	24	95	80- 146	
1,2-Dichloropropane	25	ND	26	102	87- 114	
cis-1,3-Dichloropropene	25	ND	22	86	82- 130	
Trichloroethene	25	2.1	27	101	62- 130	
Dibromochloromethane	25	ND	23	91	71- 158	
1,1,2-Trichloroethane	25	ND	25	100	86- 129	
Benzene	25	ND	25	100	78- 118	
trans-1,3-Dichloropropene	25	ND	21	82	73- 147	
Bromoform	25	ND	23	92	58- 176	
4-Methyl-2-pentanone	25	ND	23	91	82- 135	
2-Hexanone	25	ND	19	78*	81- 128	a
Tetrachloroethene	25	ND	28	113	85- 121	
1,1,2,2-Tetrachloroethane	25	ND	26	102	88- 116	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4K12249

Matrix Spike ID: LAB MS/MSD

Lot #: A4K130189 WO #: GW0G31AD
BATCH: 4323190

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Toluene	25	ND	25	100	70- 119	
Chlorobenzene	25	ND	24	97	76- 117	
Ethylbenzene	25	ND	25	100	86- 132	
Styrene	25	ND	22	89	83- 120	
Xylenes (total)	75	ND	73	98	89- 121	
cis-1,2-Dichloroethene	25	60	86	103	87- 114	
trans-1,2-Dichloroethene	25	ND	26	103	85- 116	
Dichlorodifluoromethane	25	ND	20	79	70- 130	
Trichlorofluoromethane	25	ND	32	127	70- 130	
1,1,2-Trichloro-1,2,2-tri	25	ND	33	131*	70- 130	a
Methyl acetate	25	ND	28	111	70- 130	
Methyl tert-butyl ether (	25	ND	23	92	70- 130	
Cyclohexane	25	ND	28	110	70- 130	
Methylcyclohexane	25	ND	27	106	70- 130	
1,2-Dibromoethane	25	ND	25	99	70- 130	
Isopropylbenzene	25	ND	24	96	70- 130	
1,3-Dichlorobenzene	25	ND	23	92	70- 130	
1,4-Dichlorobenzene	25	ND	24	95	70- 130	
1,2-Dichlorobenzene	25	ND	24	95	70- 130	
1,2-Dibromo-3-chloropropa	25	ND	24	96	70- 130	
1,2,4-Trichlorobenzene	25	ND	27	109	70- 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

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

RPD: 0 out of 0 outside limits
Spike Recovery: 2 out of 49 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4K12249

Matrix Spike ID: LAB MS/MSD

Lot #: A4K130189 WO #: GW0G31AE
BATCH: 4323190

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	25	26	106	2.0	20	62 - 130	
Chloromethane	25	21	84	1.4	39	40 - 137	
Bromomethane	25	22	86	0.18	30	55 - 145	
Vinyl chloride	25	23	92	4.2	30	88 - 126	
Chloroethane	25	27	109	1.4	30	59 - 142	
Methylene chloride	25	26	103	1.4	30	82 - 115	
Acetone	25	26	95	5.1	30	45 - 128	
Carbon disulfide	25	30	119	2.2	41	69 - 138	
1,1-Dichloroethane	25	24	98	1.6	30	88 - 127	
1,2-Dichloroethene (total	50	110	99	1.6	30	86 - 115	
Chloroform	25	23	94	0.68	30	83 - 141	
1,2-Dichloroethane	25	22	88	0.78	30	71 - 160	
2-Butanone	25	28	113	3.9	30	71 - 123	
1,1,1-Trichloroethane	25	24	95	2.9	30	71 - 162	
Carbon tetrachloride	25	25	98	5.6	30	63 - 176	
Bromodichloromethane	25	24	96	1.3	30	80 - 146	
1,2-Dichloropropane	25	25	101	0.86	30	87 - 114	
cis-1,3-Dichloropropene	25	21	86	0.76	30	82 - 130	
Trichloroethene	25	27	99	2.1	20	62 - 130	
Dibromochloromethane	25	23	93	1.7	30	71 - 158	
1,1,2-Trichloroethane	25	25	100	0.0	30	86 - 129	
Benzene	25	25	99	0.86	20	78 - 118	
trans-1,3-Dichloropropene	25	21	84	2.1	30	73 - 147	
Bromoform	25	23	94	1.5	30	58 - 176	
4-Methyl-2-pentanone	25	22	90	1.0	30	82 - 135	
2-Hexanone	25	20	79*	1.7	30	81 - 128	a
Tetrachloroethene	25	27	110	2.5	30	85 - 121	
1,1,2,2-Tetrachloroethane	25	27	107	4.7	30	88 - 116	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4K12249

Matrix Spike ID: LAB MS/MSD

Lot #: A4K130189 WO #: GW0G31AE
BATCH: 4323190

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
Toluene	25	26	102	1.7		20	70 - 119	
Chlorobenzene	25	25	99	2.0		20	76 - 117	
Ethylbenzene	25	25	99	0.76		30	86 - 132	
Styrene	25	22	89	0.060		30	83 - 120	
Xylenes (total)	75	73	98	0.030		30	89 - 121	
cis-1,2-Dichloroethene	25	84	98	1.4		30	87 - 114	
trans-1,2-Dichloroethene	25	25	100	2.6		30	85 - 116	
Dichlorodifluoromethane	25	22	87	10		30	70 - 130	
Trichlorofluoromethane	25	30	121	4.3		30	70 - 130	
1,1,2-Trichloro-1,2,2-tri	25	33	130	0.90		30	70 - 130	
Methyl acetate	25	27	108	2.1		30	70 - 130	
Methyl tert-butyl ether (	25	23	92	0.48		30	70 - 130	
Cyclohexane	25	27	106	3.9		30	70 - 130	
Methylcyclohexane	25	25	100	5.9		30	70 - 130	
1,2-Dibromoethane	25	26	103	4.0		30	70 - 130	
Isopropylbenzene	25	24	97	0.30		30	70 - 130	
1,3-Dichlorobenzene	25	24	98	6.1		30	70 - 130	
1,4-Dichlorobenzene	25	25	100	4.4		30	70 - 130	
1,2-Dichlorobenzene	25	26	102	7.1		30	70 - 130	
1,2-Dibromo-3-chloropropa	25	25	100	5.0		30	70 - 130	
1,2,4-Trichlorobenzene	25	29	118	8.0		30	70 - 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

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

RPD: 0 out of 49 outside limits
Spike Recovery: 1 out of 49 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

GW8891AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4K12249

Lab File ID: UXX3856.D

Lot Number: A4K120249

Date Analyzed: 11/17/04

Time Analyzed: 11:32

Matrix: WATER

Date Extracted:11/17/04

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	P-6/111104	GWWDE1AA	UXX3870.D	11/17/04	17:03
02	TRIP BLANK	GWWDV1AA	UXX3871.D	11/17/04	17:26
03	INTRA-LAB QC	GW0G31AA	UXX3857.D	11/17/04	11:56
04	LAB MS/MSD	GW0G31AD S	UXX3868.D	11/17/04	16:16
05	LAB MS/MSD	GW0G31AE D	UXX3869.D	11/17/04	16:39
06	CHECK SAMPLE	GW8891AC C	UXX3854.D	11/17/04	10:47
07	DUPLICATE CHECK	GW8891AD L	UXX3855.D	11/17/04	11:10
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COMMENTS:

FORM IV

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

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4K12249

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

Instrument ID: A3UX10 BFB Injection Time: 0610

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	51.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.6 (0.6)1
174	50.0 - 100.0% of mass 95	93.7
175	5.0 - 9.0% of mass 174	7.1 (7.5)1
176	Greater than 95.0%, but less than 101.0% of mass 174	92.5 (98.6)1
177	5.0 - 9.0% of mass 176	6.6 (7.1)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD040	200NG-A9IC	UXX0522	08/12/04	0633
02	VSTD020	100NG-A9IC	UXX0523	08/12/04	0656
03	VSTD010	50NG-A9IC	UXX0524	08/12/04	0718
04	VSTD005	25NG-A9IC	UXX0525	08/12/04	0741
05	VSTD002	10NG-A9IC	UXX0526	08/12/04	0804
06	VSTD001	5NG-A9IC	UXX0527	08/12/04	0827
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FORM V VOA 1/87 Rev.

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

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4K12249

Lab File ID: BFB1416 BFB Injection Date: 10/05/04

Instrument ID: A3UX10 BFB Injection Time: 1327

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.5
75	30.0 - 60.0% of mass 95	49.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.9 (0.9)1
174	50.0 - 100.0% of mass 95	96.4
175	5.0 - 9.0% of mass 174	7.0 (7.3)1
176	Greater than 95.0%, but less than 101.0% of mass 174	92.8 (96.3)1
177	5.0 - 9.0% of mass 176	5.8 (6.3)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		200NG-IC	UXX2060	10/05/04	1347
02	VSTD020	100NG-IC	UXX2061	10/05/04	1411
03	VSTD010	50NG-IC	UXX2062	10/05/04	1434
04	VSTD005	25NG-IC	UXX2063	10/05/04	1457
05	VSTD002	10NG-IC	UXX2064	10/05/04	1520
06	VSTD001	5NG-IC	UXX2065	10/05/04	1543
07	VSTD040	200NG-IC	UXX2067	10/05/04	1637
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FORM V VOA 1/87 Rev.

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.: 4K12249

Lab File ID: BFB1501 BFB Injection Date: 11/17/04

Instrument ID: A3UX10 BFB Injection Time: 0942

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	16.8
75	30.0 - 60.0% of mass 95	48.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.5)1
174	50.0 - 100.0% of mass 95	97.4
175	5.0 - 9.0% of mass 174	6.8 (7.0)1
176	Greater than 95.0%, but less than 101.0% of mass 174	93.9 (96.4)1
177	5.0 - 9.0% of mass 176	6.2 (6.6)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-CC	UXX3852	11/17/04	1001
02	VSTD010	50NG-A9CC	UXX3853	11/17/04	1024
03	GW889-CHK	GW8891AC	UXX3854	11/17/04	1047
04	GW889-CKDUP	GW8891AD	UXX3855	11/17/04	1110
05	GW889-BLK	GW8891AA	UXX3856	11/17/04	1132
06	P-6/111104	GWWDE1AA	UXX3870	11/17/04	1703
07	TRIP BLANK	GWWDV1AA	UXX3871	11/17/04	1726
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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.: 4K12249

Lab File ID (Standard): UXX3852 Date Analyzed: 11/17/04

Instrument ID: A3UX10 Time Analyzed: 1001

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	1459416	7.81	1947063	5.14	799975	10.05
	UPPER LIMIT	2918832	8.31	3894126	5.64	1599950	10.55
	LOWER LIMIT	729708	7.31	973532	4.64	399988	9.55
	EPA SAMPLE NO.						
01	GW889-CHK	1421287	7.81	1927087	5.14	727153	10.05
02	GW889-CKDUP	1432309	7.81	1908535	5.14	731924	10.05
03	GW889-BLK	1358491	7.81	1877447	5.13	658027	10.05
04	P-6/111104	1274545	7.81	1738665	5.14	592638	10.05
05	TRIP BLANK	1286163	7.81	1779802	5.15	606290	10.04
06							
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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.

SEVERN TRENT STL

SAMPLE DATA

PAYNE FIRM INC.

Client Sample ID: P-6/111104

GC/MS Volatiles

Lot-Sample #...: A4K120249-001 **Work Order #...:** GWWDE1AA **Matrix.....:** WG
Date Sampled...: 11/11/04 12:05 **Date Received..:** 11/12/04
Prep Date.....: 11/17/04 **Analysis Date..:** 11/17/04
Prep Batch #...: 4323190
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**1.2 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	**0.76 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	**4.1**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**2.2**	**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)	**2.2**	**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: P-6/111104

GC/MS Volatiles

Lot-Sample #...: A4K120249-001 **Work Order #...:** GWWDE1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Hexanone	ND	10	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methylene chloride	ND	1.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	**2.4**	**1.0**	**ug/L**
Xylenes (total)	**0.49 J**	**2.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	85	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3870.D
Report Date: 18-Nov-2004 09:37

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3870.D
Lab Smp Id: GWWDE1AA Client Smp ID: P-6/111104
Inj Date : 17-NOV-2004 17:03
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GWWDE1AA,5ML/5ML
Misc Info : P41117A,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\8260LLUX10.m
Meth Date : 18-Nov-2004 09:22 roachc Quant Type: ISTD
Cal Date : 24-AUG-2004 04:31 Cal File: UXX0872.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	1738665	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1274545	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	592638	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.567	(0.889)	341403	51.8378	10.368
$ 5 1,2-Dichloroethane-d4	65	4.851	4.851	(0.945)	402728	49.2032	9.841
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	1289086	50.5215	10.104
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	385670	42.4725	8.494
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.739	1.739	(0.339)	80241	12.1833	2.437
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)	16577	5.94961	1.190
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3870.D
Report Date: 18-Nov-2004 09:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.715	3.715	(0.723)	231423	20.4923	4.098
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.176	4.176	(0.813)	15280	3.80445	0.7609
M	31 1,2-Dichloroethene (total)	96				79631	10.9595	2.192
	32 cis-1,2-dichloroethene	96	4.188	4.188	(0.816)	79631	10.9595	2.192
	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	5.135	4.910	(1.000)	21690	2.17665	0.4353
	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	6.910	7.111	(0.885)	1938	3.71155	0.7423
	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				1390	2.43347	0.4867
	64 Xylene-o	106	8.412	8.412	(1.077)	1390	2.43347	0.4867
	65 Styrene	104	Compound Not Detected.					

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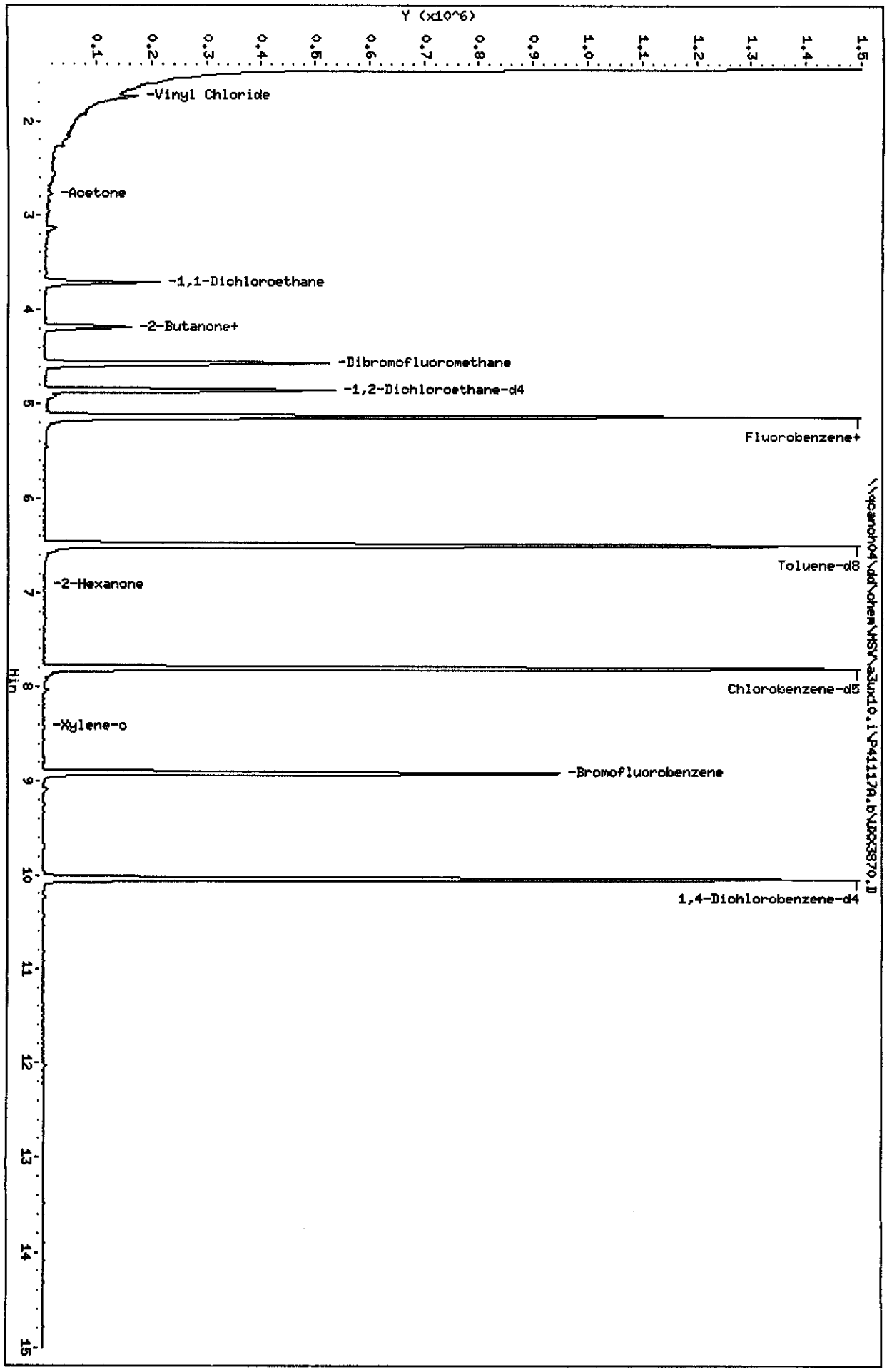
Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3870.D
Report Date: 18-Nov-2004 09:37

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					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Date : 17-NOV-2004 17:03
Client ID: P-6/111104
Sample Info: CWMDE100,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
-Vinyl Chloride
-Acetone
-1,1-Dichloroethane
-2-Butanone+
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene+
Toluene-d8
-2-Hexanone
Chlorobenzene-d5
-Xylene-o
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\HSV\a3ux10.i\P41117A.b\UXX3870.D
Min
2
3
4
5
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8
9
10
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14
15

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3870.D

Date : 17-NOV-2004 17:03

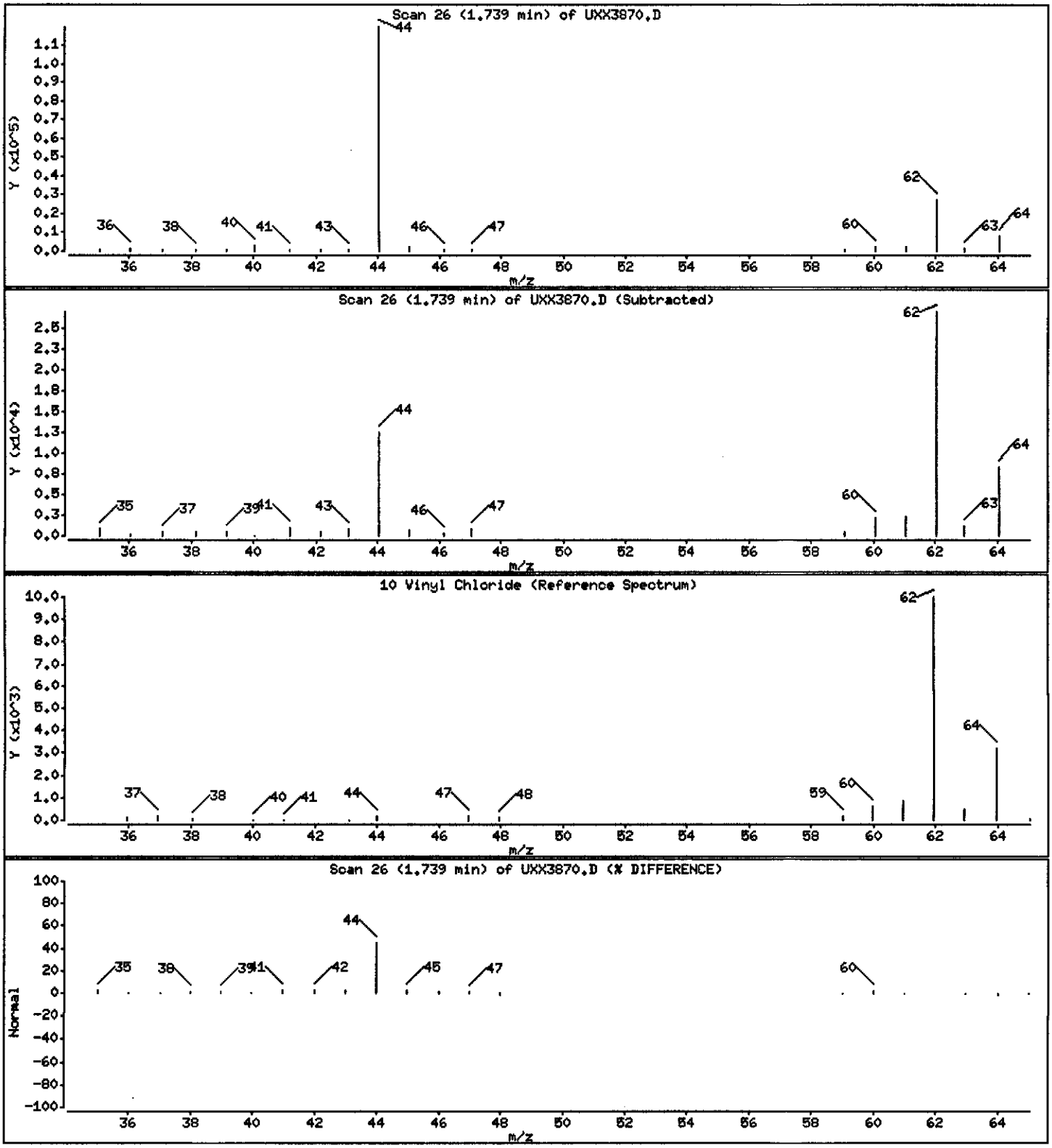
Client ID: P-6/111104 Instrument: a3ux10.i

Sample Info: GWWDE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 2.437 ug/L



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Date : 17-NOV-2004 17:03

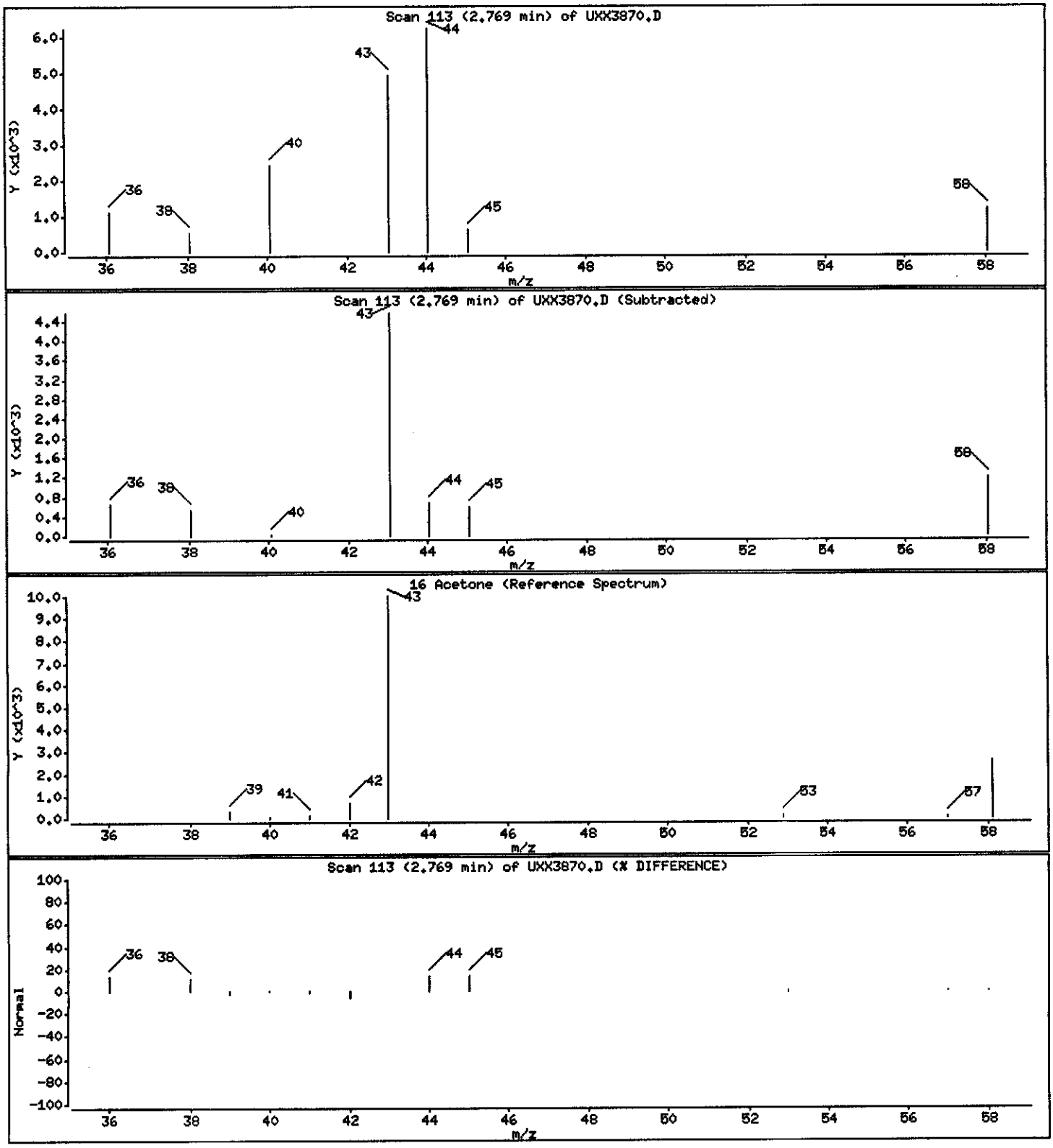
Client ID: P-6/111104 Instrument: a3ux10.i

Sample Info: GWWDE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 1.190 ug/L



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Date : 17-NOV-2004 17:03

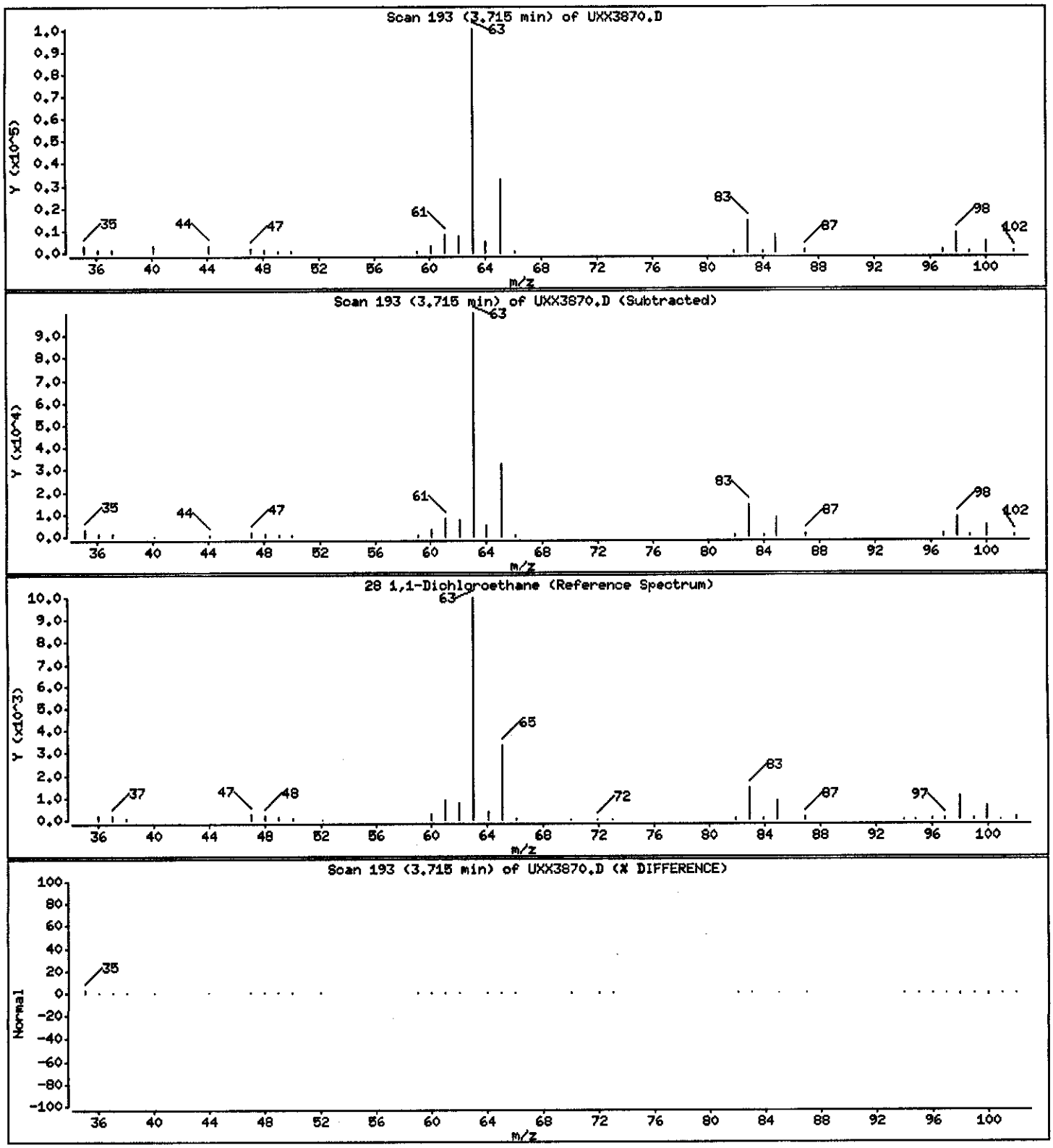
Client ID: P-6/111104 Instrument: a3ux10.i

Sample Info: GWWDE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 4.098 ug/L



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Date : 17-NOV-2004 17:03

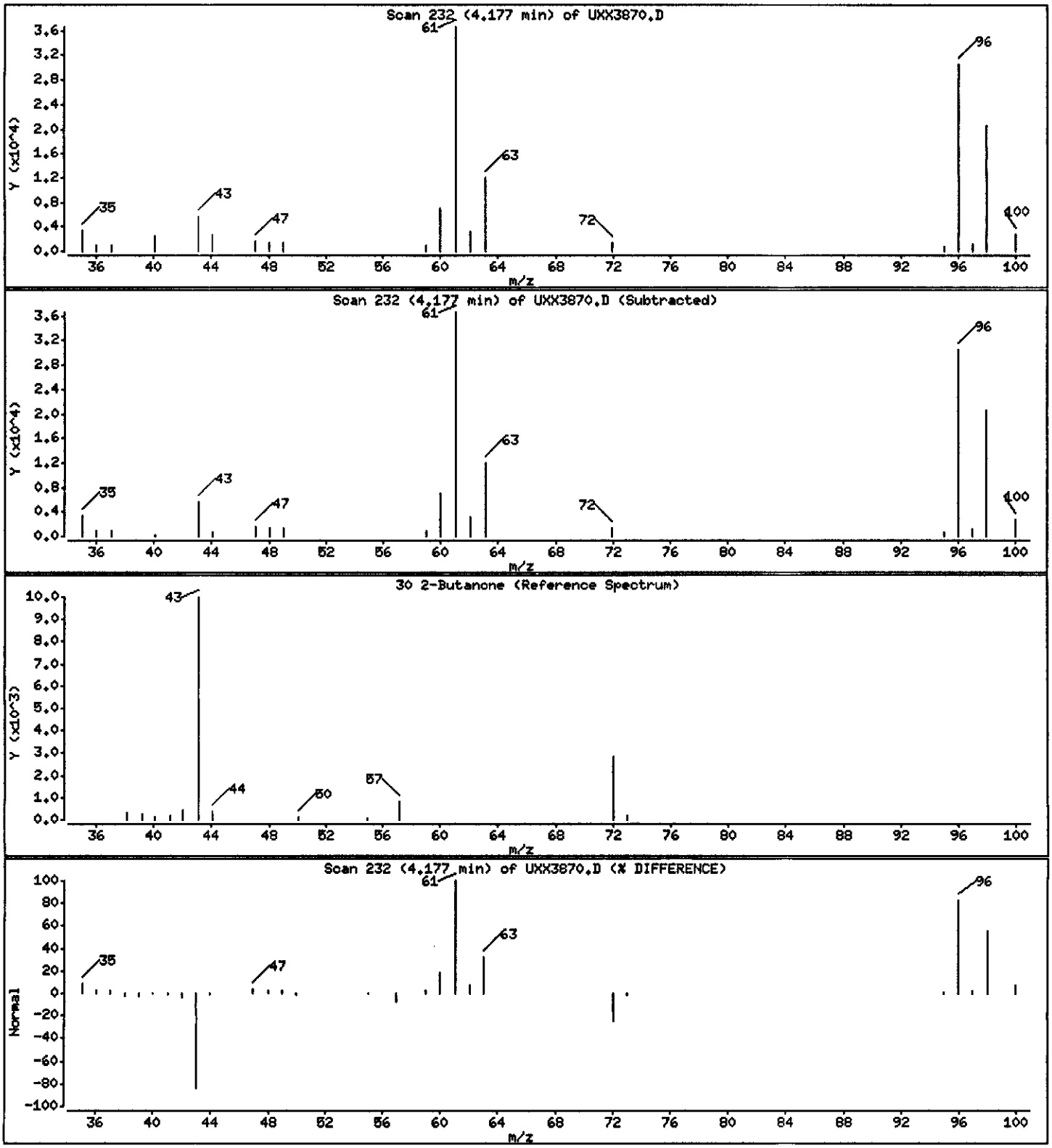
Client ID: P-6/111104 Instrument: a3ux10.i

Sample Info: GWWDE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

30 2-Butanone Concentration: 0.7609 ug/L



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Date : 17-NOV-2004 17:03

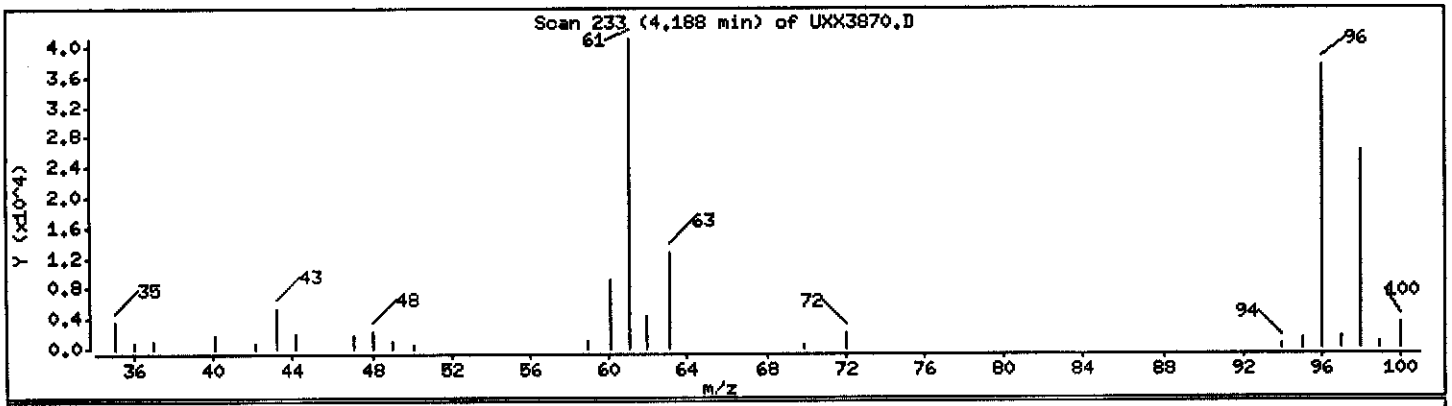
Client ID: P-6/111104 Instrument: a3ux10.i

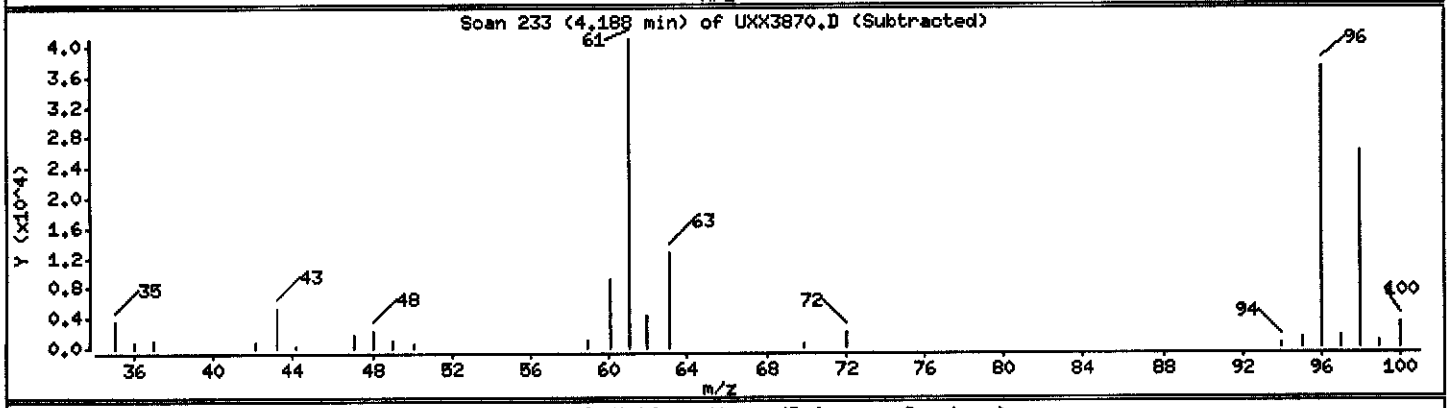
Sample Info: GWWDE1AA,5ML/5ML

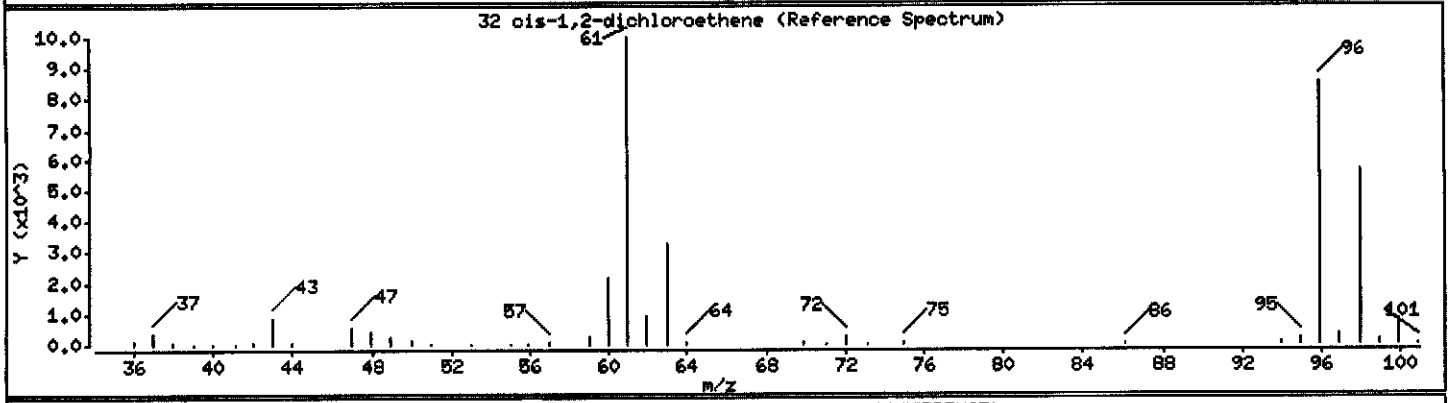
Purge Volume: 5.0 Operator: 1904

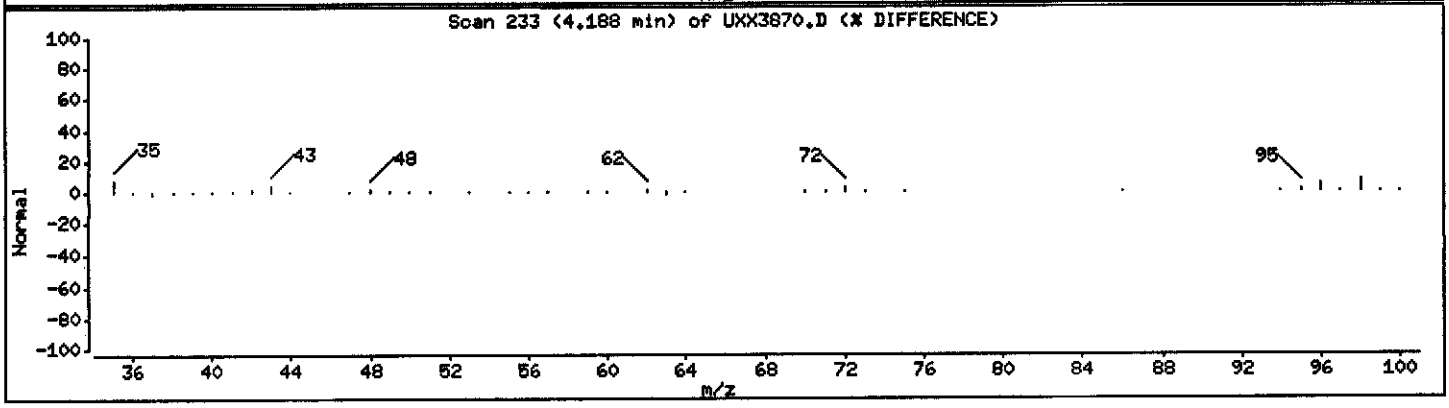
Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 2.192 ug/L









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Date : 17-NOV-2004 17:03

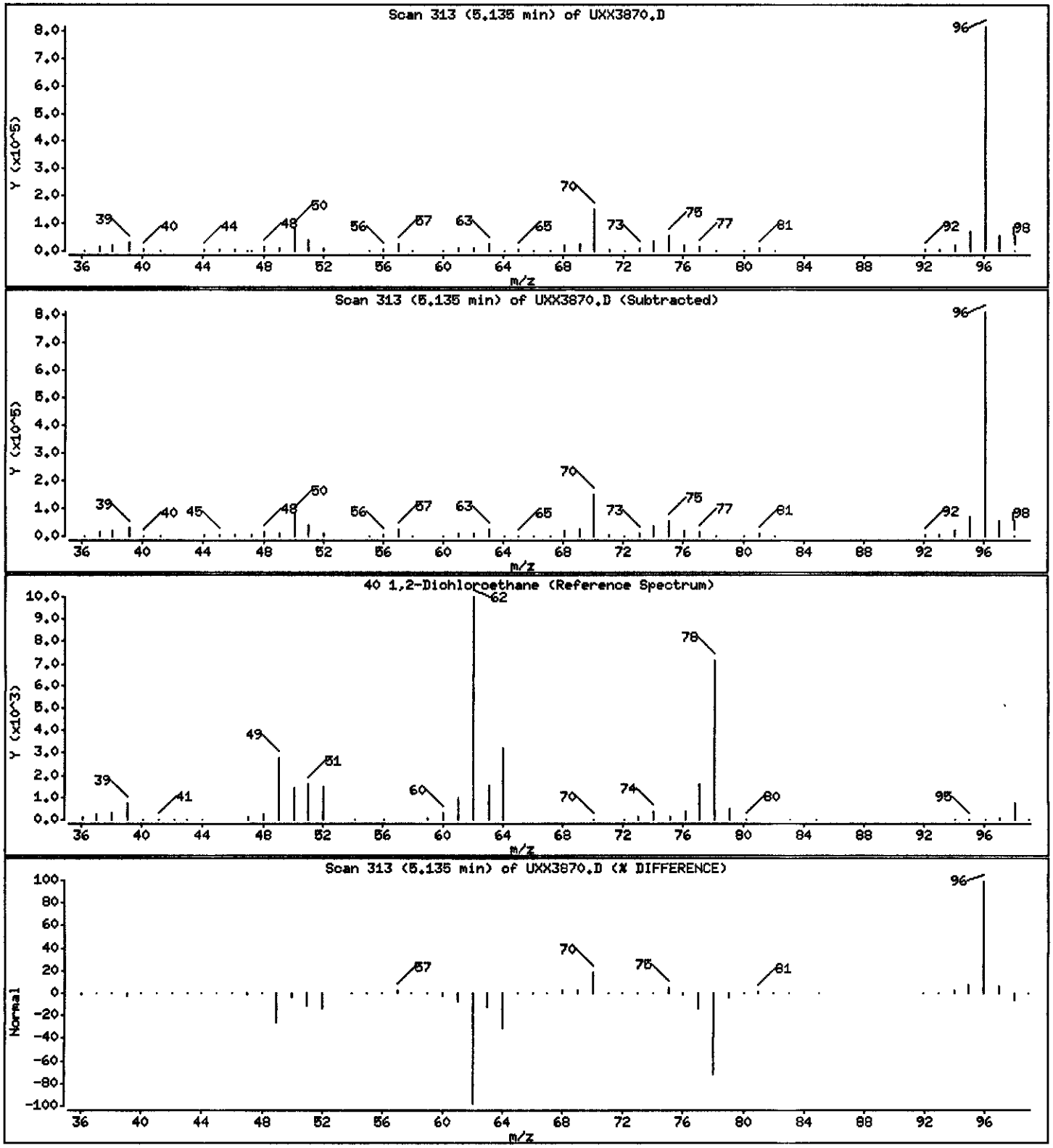
Client ID: P-6/111104 Instrument: a3ux10.i

Sample Info: GWWDE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

40 1,2-Dichloroethane Concentration: 0.4353 ug/L



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Date : 17-NOV-2004 17:03

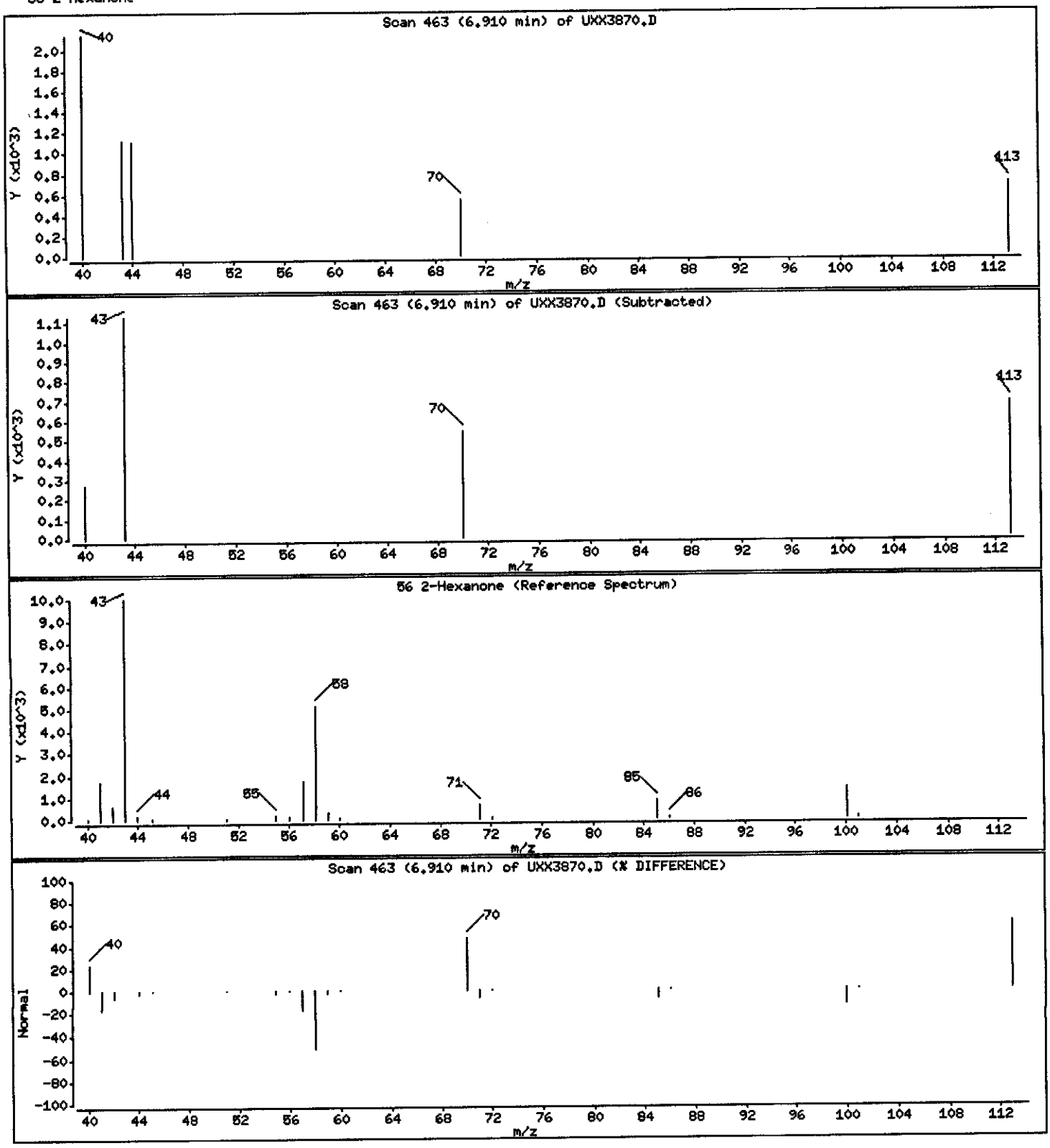
Client ID: P-6/111104 Instrument: a3ux10.i

Sample Info: GWWDE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

56 2-Hexanone Concentration: 0.7423 ug/L



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Date : 17-NOV-2004 17:03

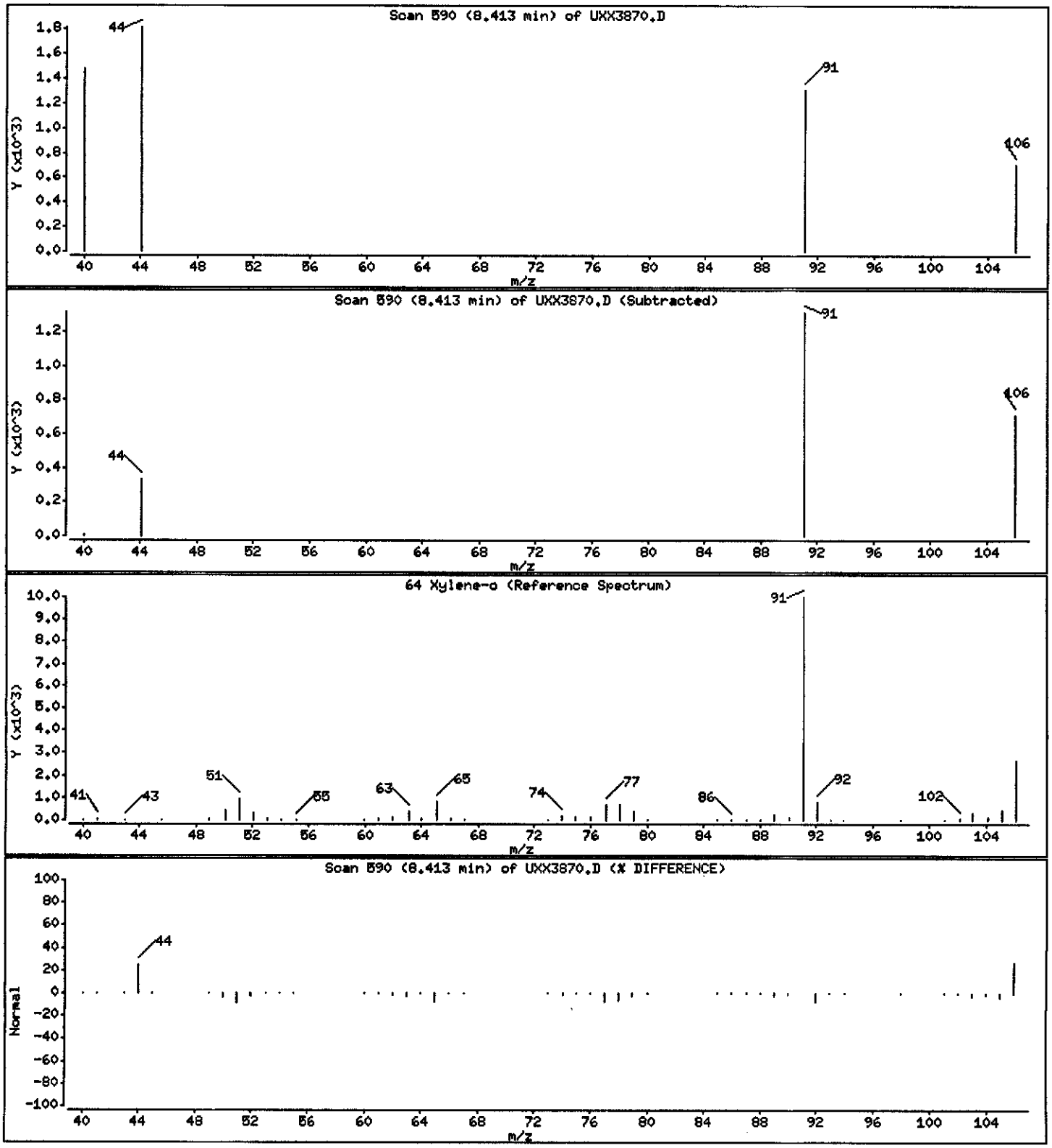
Client ID: P-6/111104 Instrument: a3ux10.i

Sample Info: GWWDE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

64 Xylene-o Concentration: 0.4867 ug/L



PAYNE FIRM INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A4K120249-002 **Work Order #...:** GWWDV1AA **Matrix.....:** WQ
Date Sampled...: 11/11/04 **Date Received..:** 11/12/04
Prep Date.....: 11/17/04 **Analysis Date..:** 11/17/04
Prep Batch #...: 4323190
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**15**	**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	**13**	**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

GC/MS Volatiles

Lot-Sample #...: A4K120249-002 **Work Order #...:** GWWDV1AA **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	**0.64 J,B**	**1.0**	**ug/L**
Methyl methacrylate	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
Propionitrile	ND	4.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	**0.57 J**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	**0.53 J**	**2.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	88	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3871.D
Report Date: 18-Nov-2004 09:38

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3871.D
Lab Smp Id: GWWDV1AA Client Smp ID: TRIP BLANK
Inj Date : 17-NOV-2004 17:26
Operator : 1904 Inst ID: a3ux10.i
Smp Info : GWWDV1AA,5ML/5ML
Misc Info : P41117A,8260LLUX10,,1904
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\8260LLUX10.m
Meth Date : 18-Nov-2004 09:22 roachc Quant Type: ISTD
Cal Date : 24-AUG-2004 04:31 Cal File: UXX0872.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.146	5.135	(1.000)	1779802	50.0000	
* 2 Chlorobenzene-d5	117	7.808	7.809	(1.000)	1286163	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.044	10.045	(1.000)	606290	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.567	(0.887)	344465	51.0938	10.219
$ 5 1,2-Dichloroethane-d4	65	4.850	4.851	(0.943)	399159	47.6400	9.528
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	1318674	51.2143	10.243
$ 7 Bromofluorobenzene	95	8.908	8.909	(1.141)	405083	44.0980	8.820
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	2.779	2.768	(0.540)	212189	74.3960	14.879
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3871.D
Report Date: 18-Nov-2004 09:38

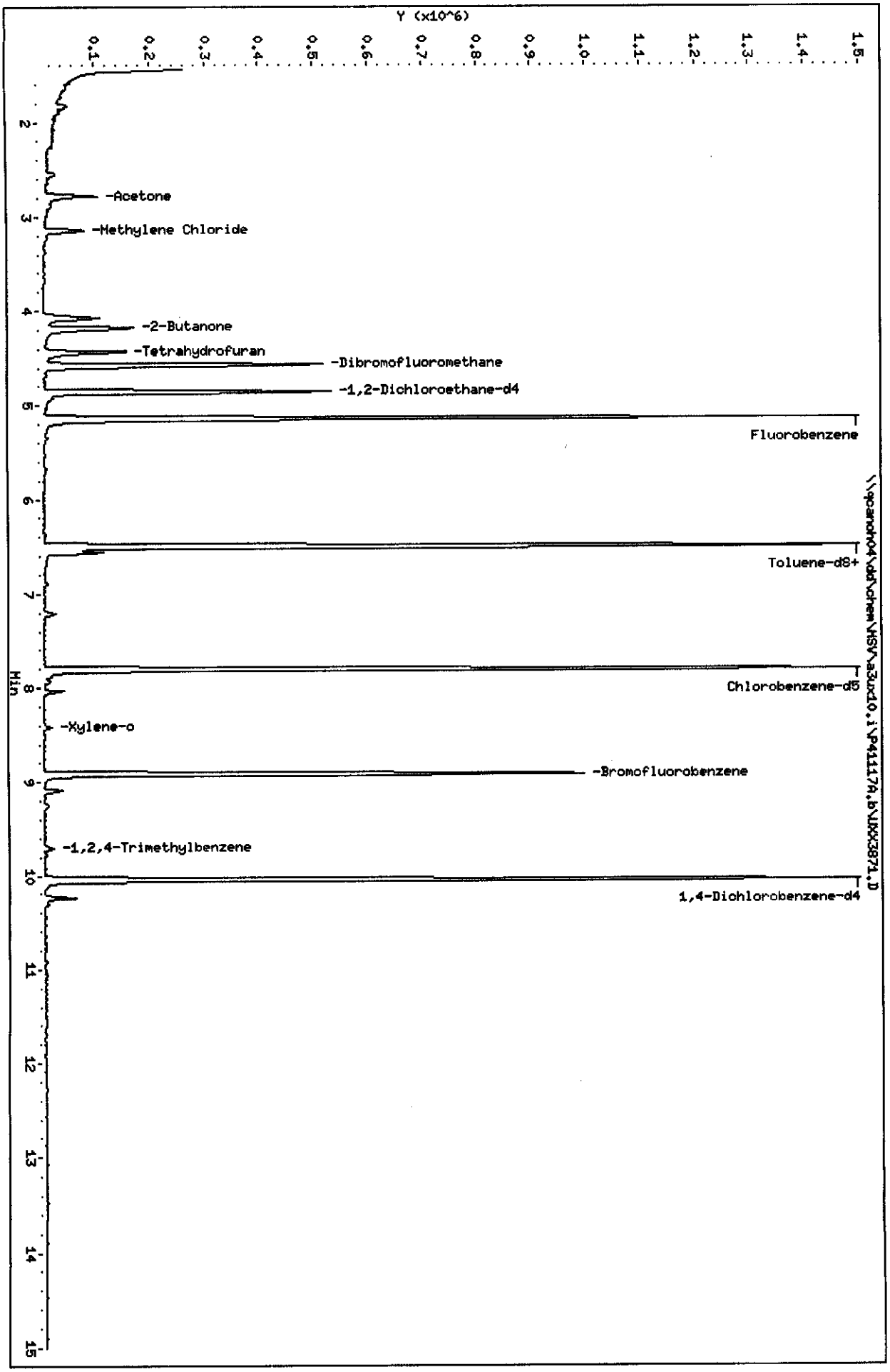
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	3.146	3.135	(0.611)	44947	3.21177	0.6424
	22 Acetonitrile	41	Compound Not Detected.					
	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	4.175	4.176	(0.811)	270421	65.7738	13.155
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.424	4.425	(0.860)	123853	44.1936	8.839
	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)	83879	2.84276	0.5686
	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				4192	2.62997	0.5260
	64 Xylene-o	106	8.412	8.412	(1.077)	4192	2.62997	0.5260
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3871.D
Report Date: 18-Nov-2004 09:38

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	9.701	9.702	(0.966)	13130	2.85752	0.5715
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: \\qcandh04\dd\chem\HSV\a3ux10.i\P41117A.b\UXX3871.D
Date : 17-NOV-2004 17:26
Client ID: TRIP BLANK
Sample Info: GAWDV1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3871.D

Date : 17-NOV-2004 17:26

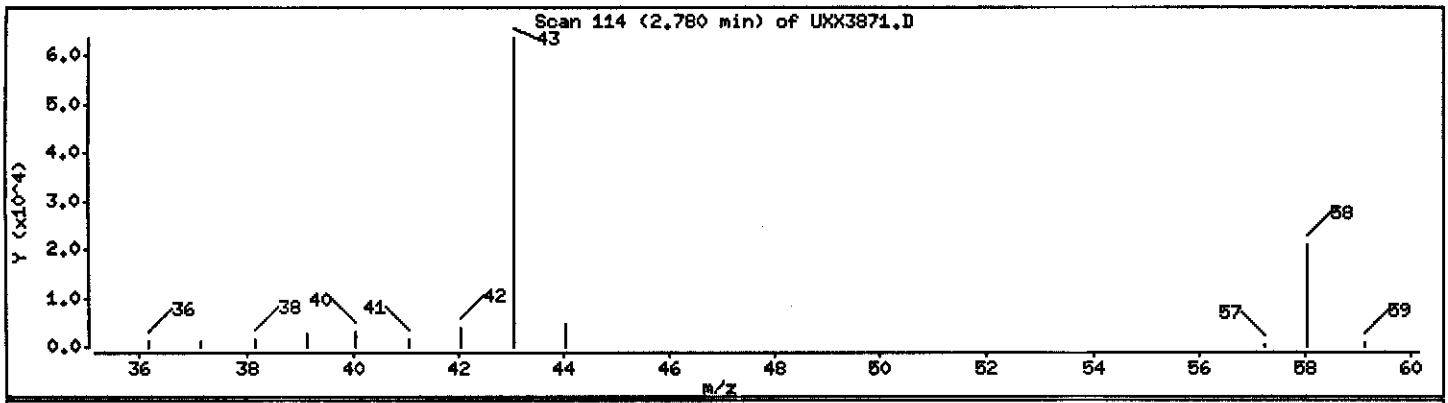
Client ID: TRIP BLANK | Instrument: a3ux10.i

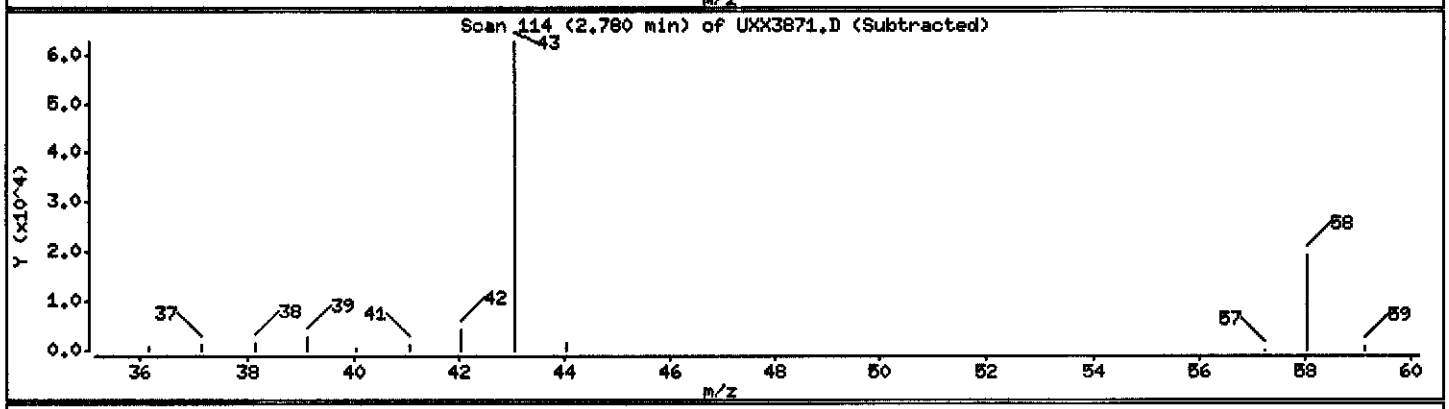
Sample Info: CWWDV1AA,5ML/5ML

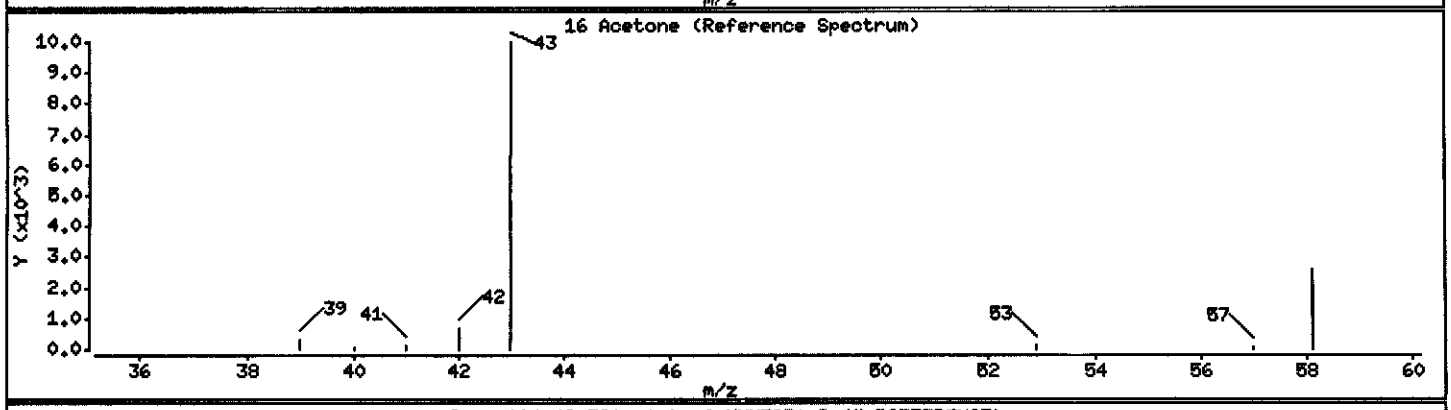
Purge Volume: 5.0 | Operator: 1904

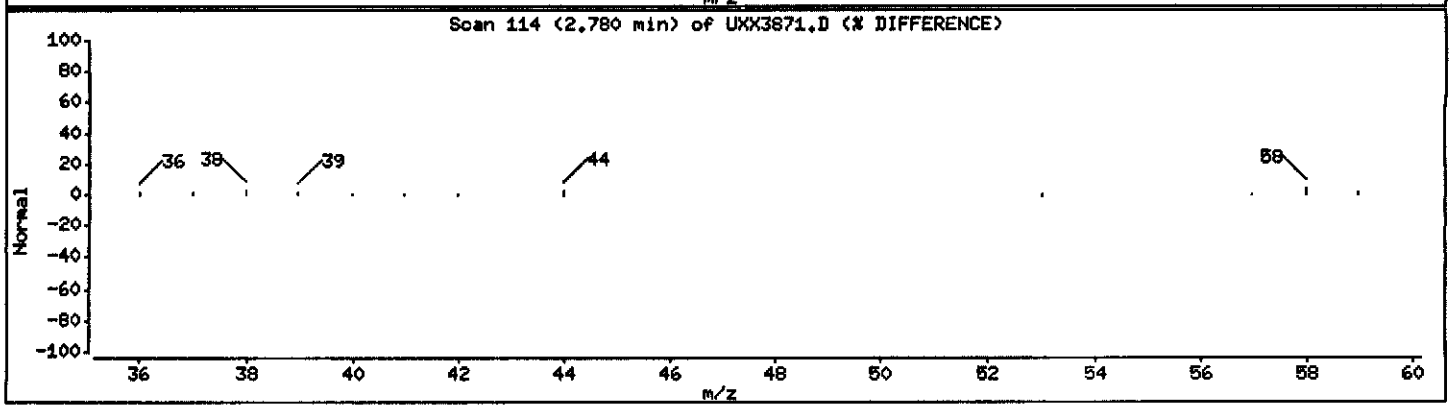
Column phase: DB624 | Column diameter: 0.18

16 Acetone | Concentration: 14.879 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3871.D

Date : 17-NOV-2004 17:26

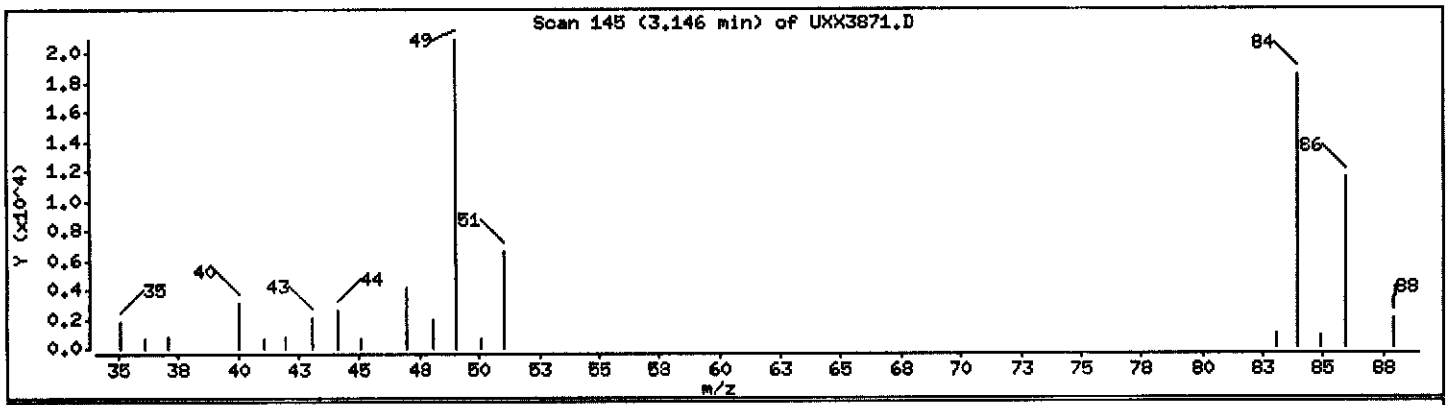
Client ID: TRIP BLANK | Instrument: a3ux10.i

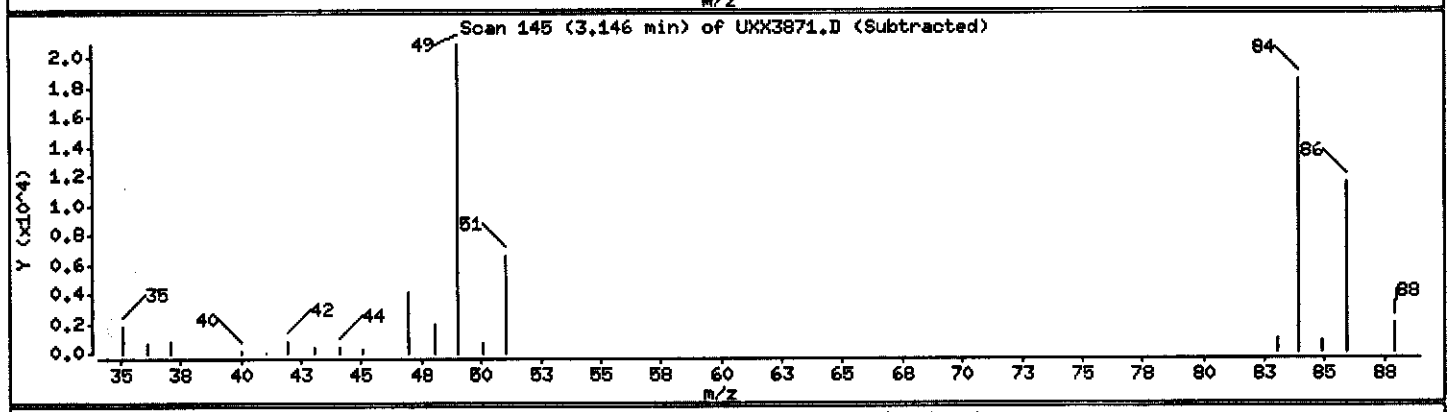
Sample Info: GWWDV1AA,5ML/5ML

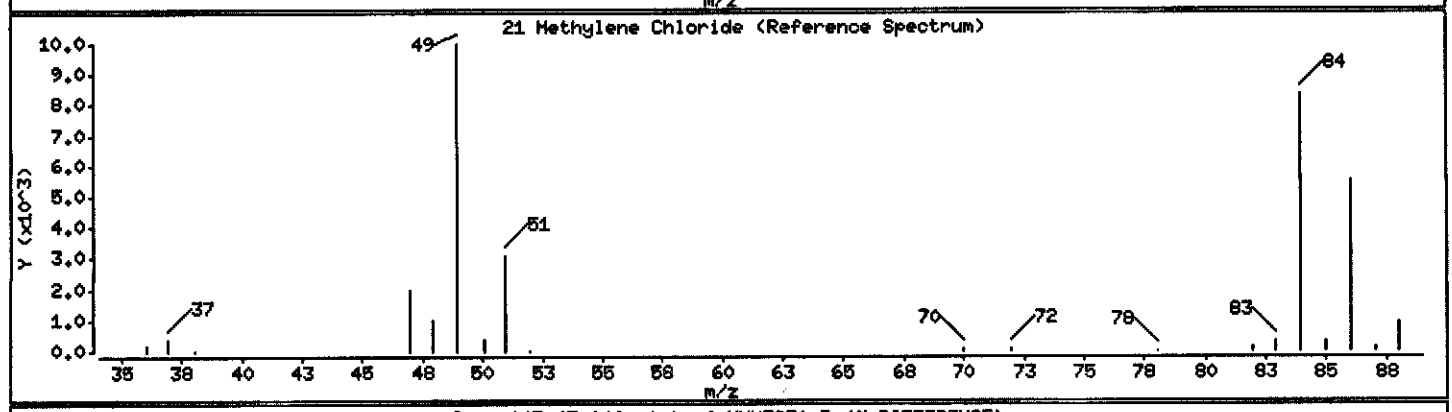
Purge Volume: 5.0 | Operator: 1904

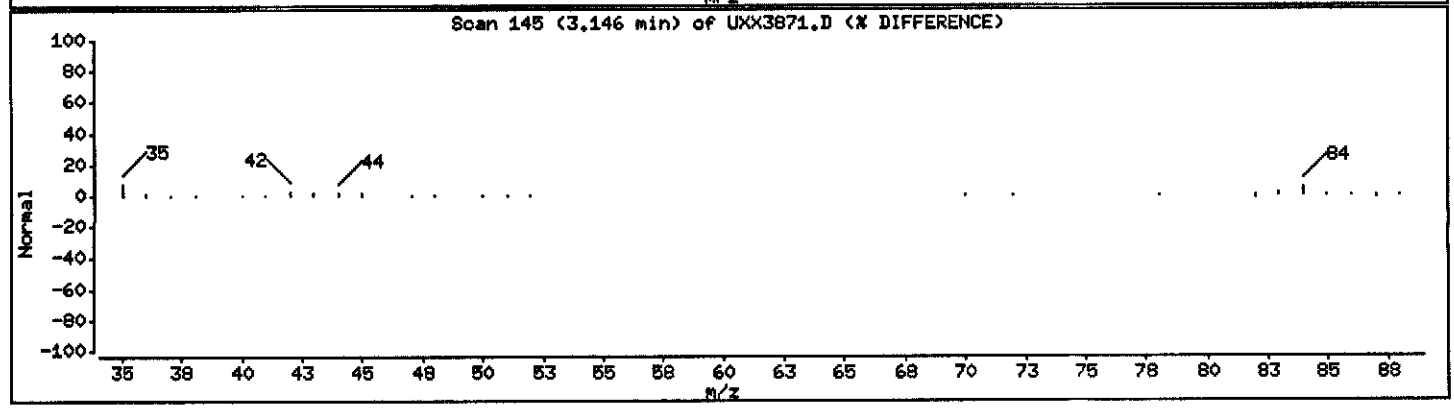
Column phase: DB624 | Column diameter: 0.18

21 Methylene Chloride | Concentration: 0.6424 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3871.D

Date : 17-NOV-2004 17:26

Client ID: TRIP BLANK

Instrument: a3ux10.i

Sample Info: GWWDV1AA,5ML/5ML

Purge Volume: 5.0

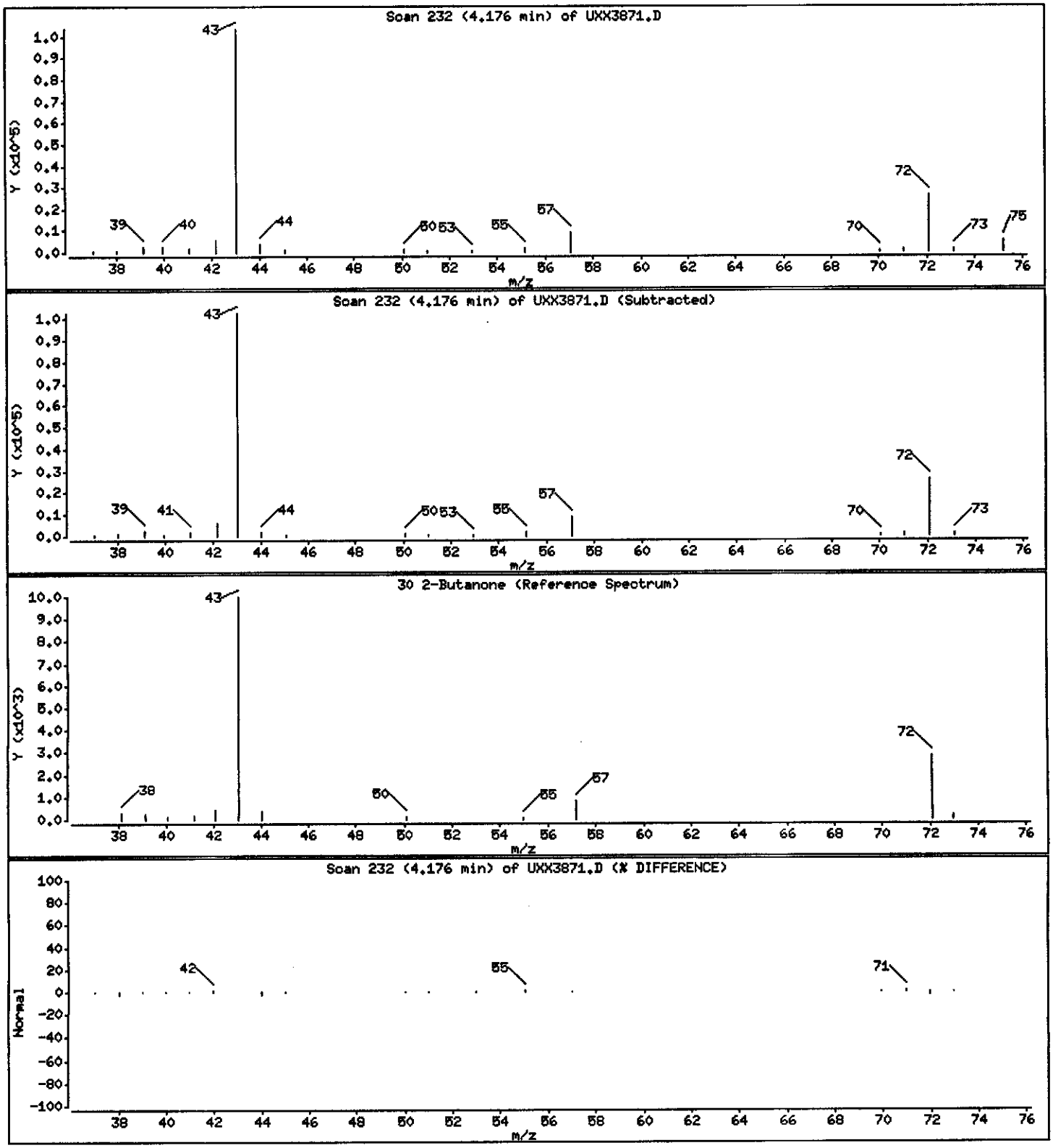
Operator: 1904

Column phase: DB624

Column diameter: 0.18

30 2-Butanone

Concentration: 13.155 ug/L



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Date : 17-NOV-2004 17:26

Client ID: TRIP BLANK

Instrument: a3ux10.i

Sample Info: GWWDV1AA,5ML/5ML

Purge Volume: 5.0

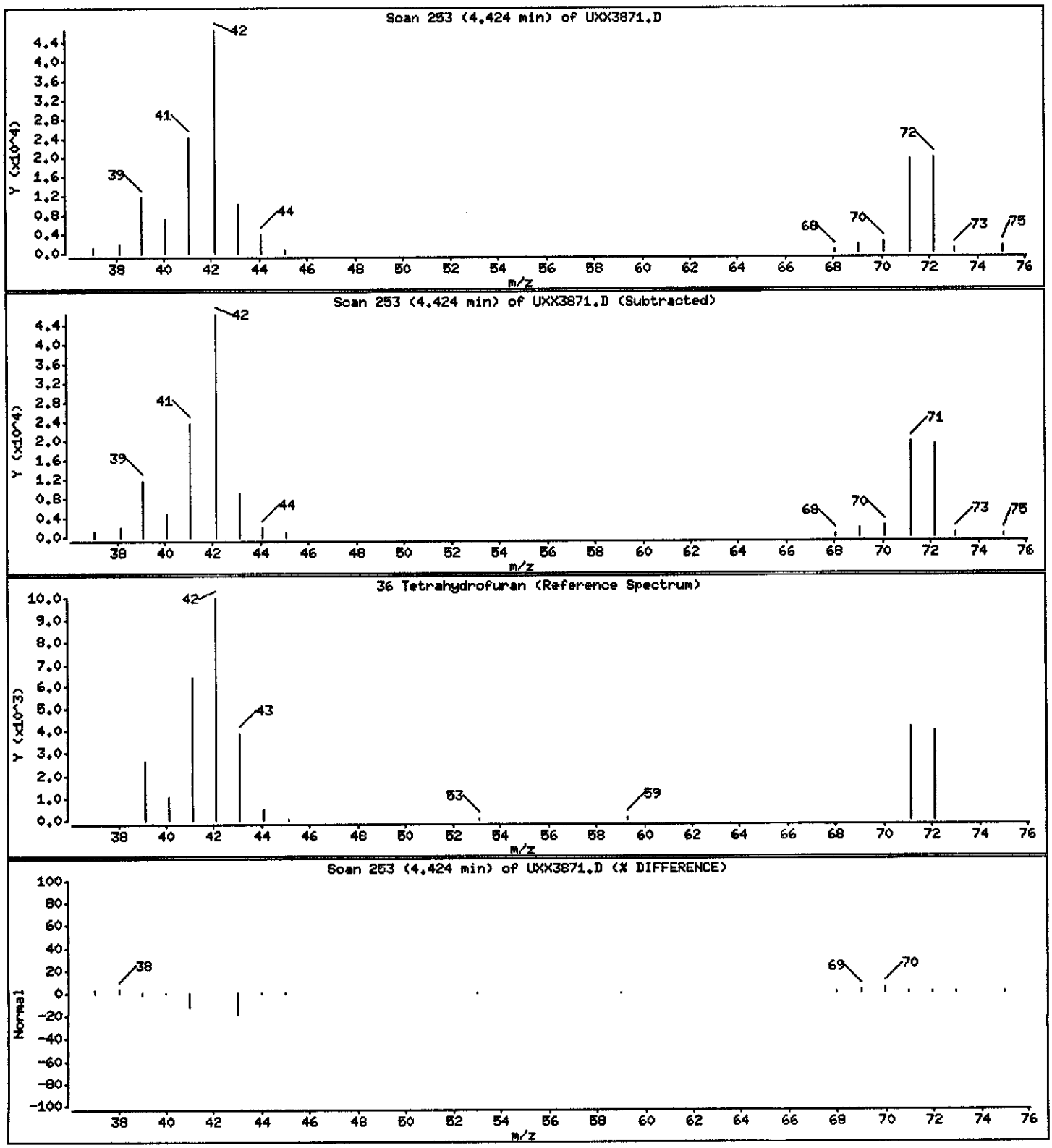
Operator: 1904

Column phase: DB624

Column diameter: 0.18

36 Tetrahydrofuran

Concentration: 8.839 ug/L



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Date : 17-NOV-2004 17:26

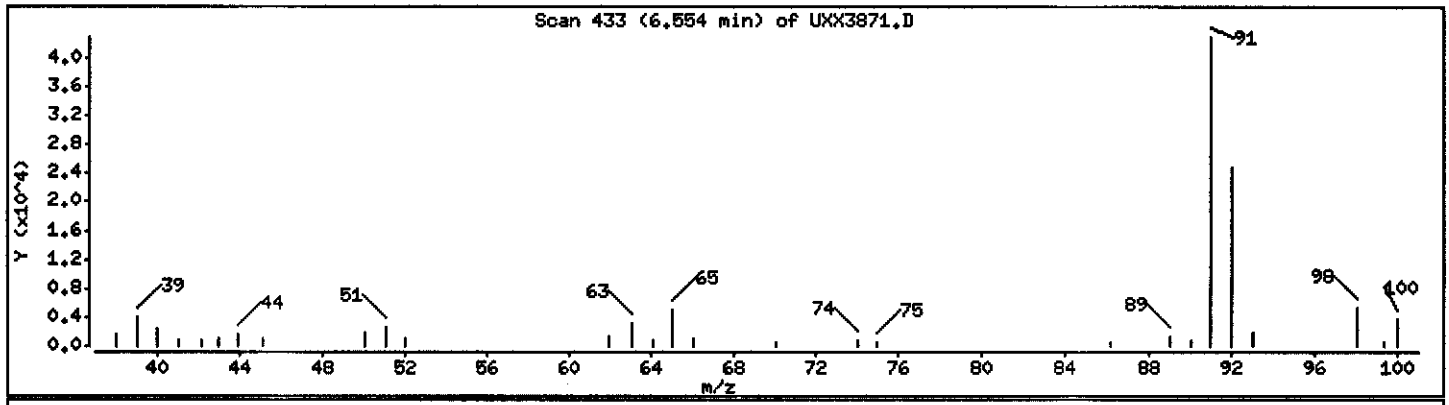
Client ID: TRIP BLANK | Instrument: a3ux10.i

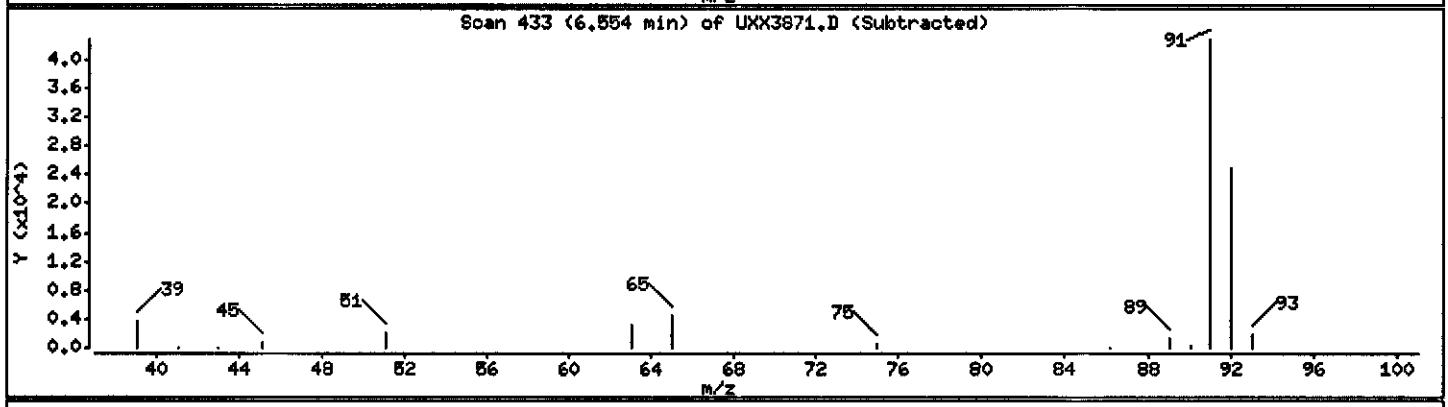
Sample Info: GWWDV1AA,5ML/5ML

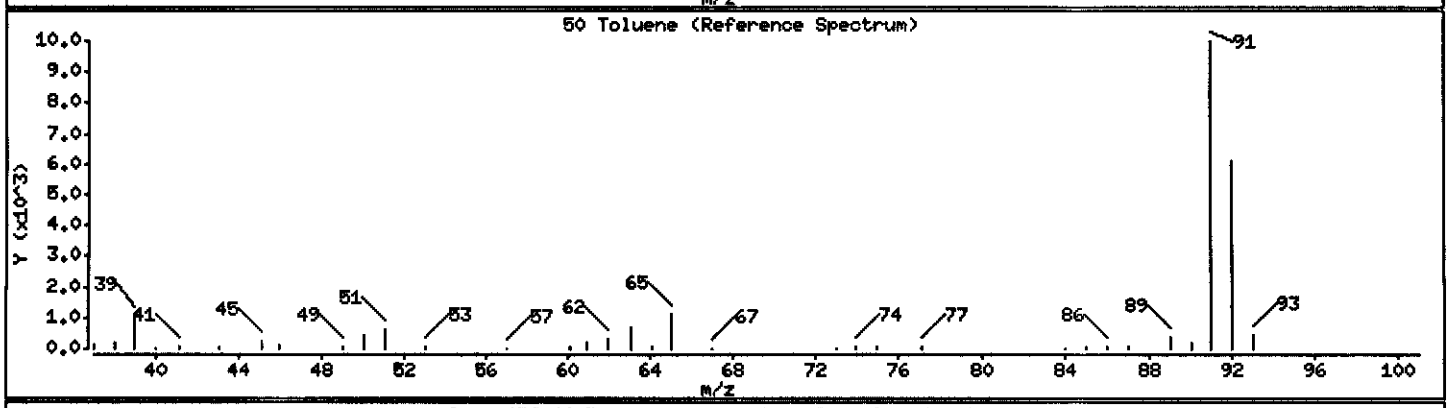
Purge Volume: 5.0 | Operator: 1904

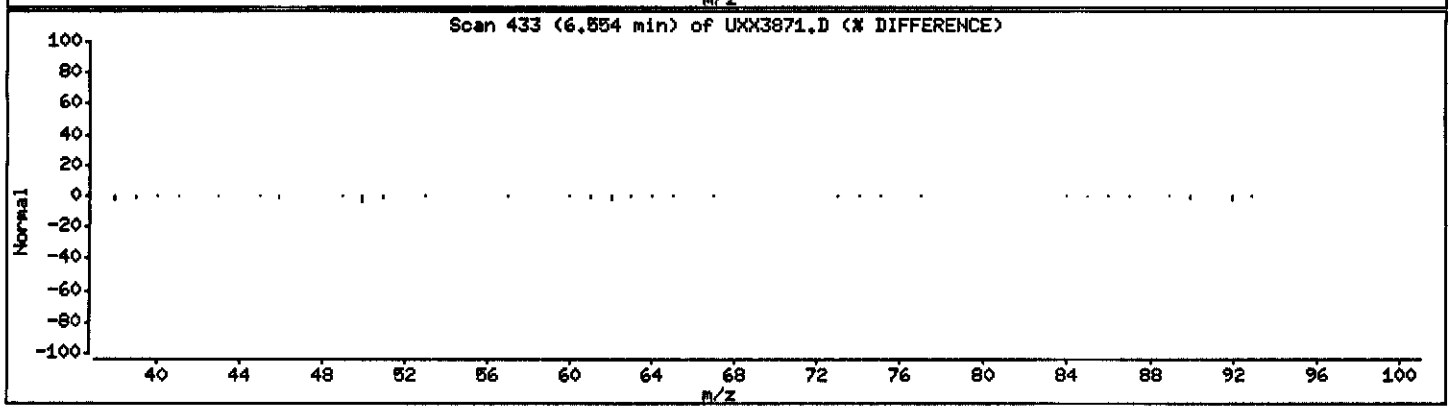
Column phase: DB624 | Column diameter: 0.18

50 Toluene | Concentration: 0.5686 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3871.D

Date : 17-NOV-2004 17:26

Client ID: TRIP BLANK

Instrument: a3ux10.i

Sample Info: GWWDV1AA,5ML/5ML

Purge Volume: 5.0

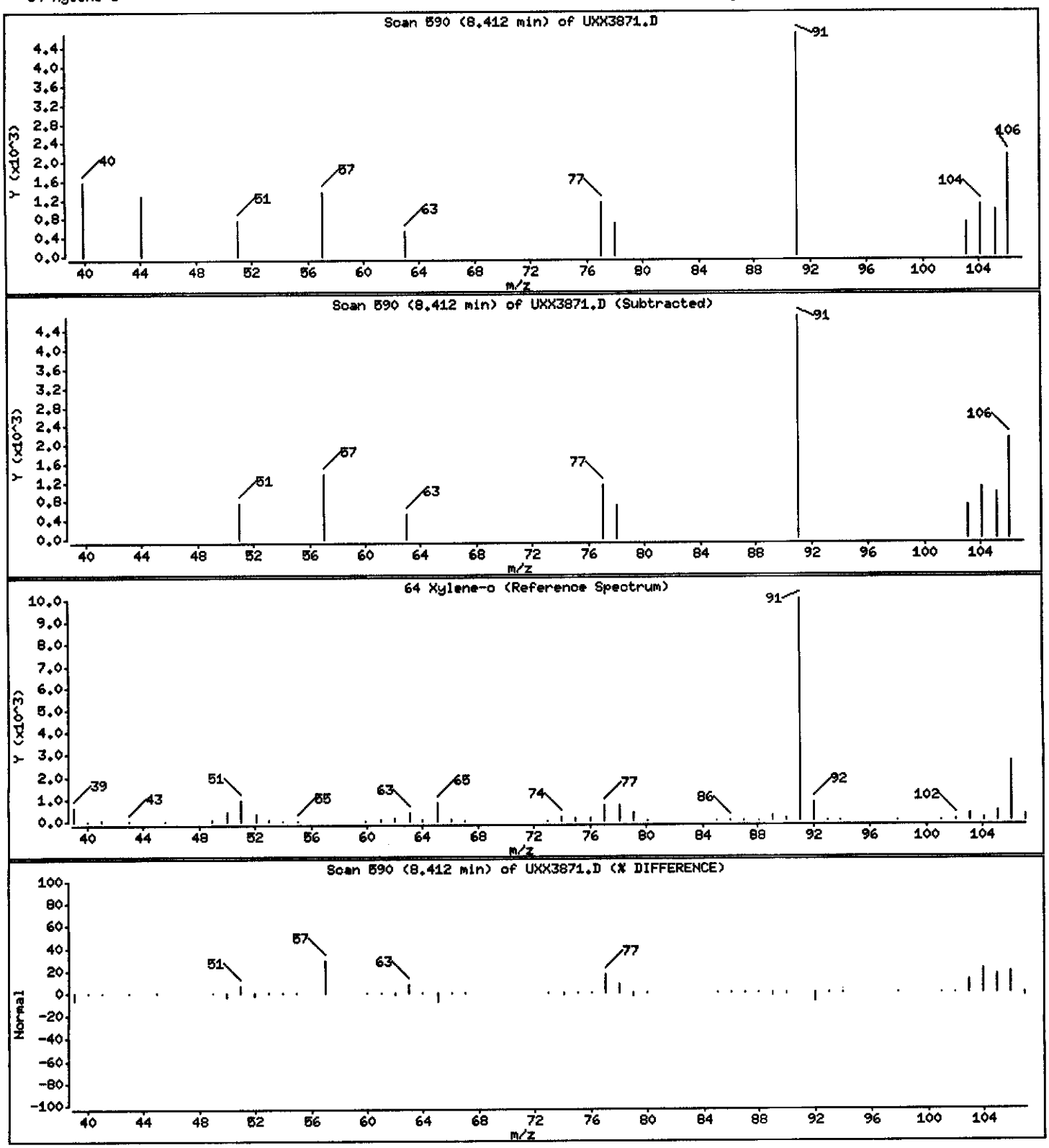
Operator: 1904

Column phase: DB624

Column diameter: 0.18

64 Xylene-o

Concentration: 0.5260 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3871.D

Date : 17-NOV-2004 17:26

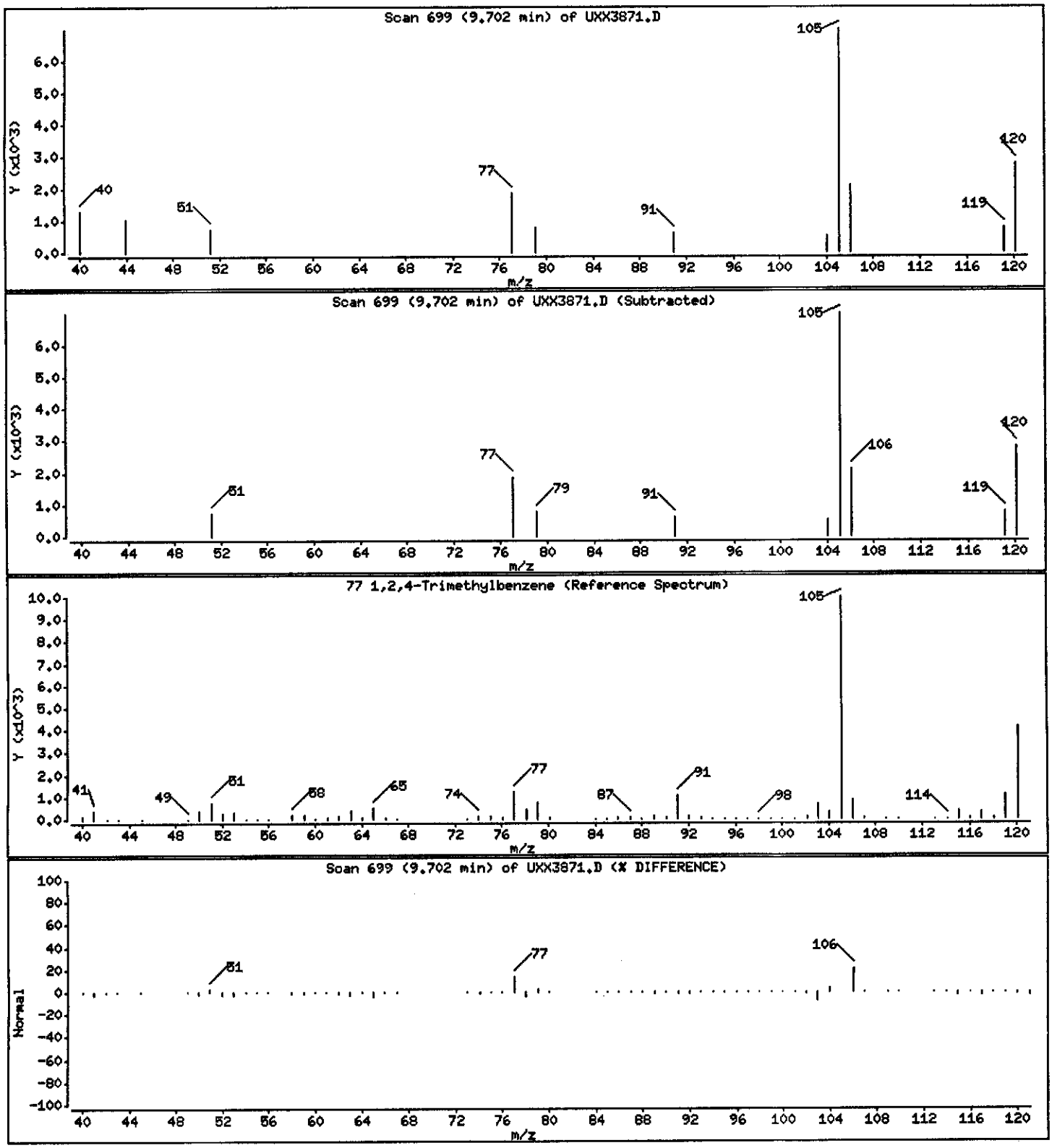
Client ID: TRIP BLANK | Instrument: a3ux10.i

Sample Info: GWWDV1AA,5ML/5ML

Purge Volume: 5.0 | Operator: 1904

Column phase: DB624 | Column diameter: 0.18

77 1,2,4-Trimethylbenzene | Concentration: 0.5715 ug/L



SEVERN TRENT STL

STANDARD DATA

Report Date: 06-Oct-2004 08:46

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Start Cal Date: 11-AUG-2004 16:41
End Cal Date : 05-OCT-2004 16:37
Last Cal Level: 6
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
05-OCT-2004 15:43	2-8260	UXX2065.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
05-OCT-2004 15:20	2-8260	UXX2064.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
05-OCT-2004 14:57	2-8260	UXX2063.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
05-OCT-2004 14:34	2-8260	UXX2062.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
05-OCT-2004 14:11	2-8260	UXX2061.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
05-OCT-2004 16:37	2-8260	UXX2067.D

Continuing Calibration

05-OCT-2004 14:34	2-8260	UXX2062.D

Report Date : 06-Oct-2004 08:45

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 05-OCT-2004 16:37
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Cal Date : 06-Oct-2004 08:39 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	0.12745	0.12773	0.11891	0.10485	0.13809	0.11551	0.12209	9.461
9 Chloromethane	0.24482	0.22505	0.19581	0.16971	0.17486	0.16009	0.19506	17.233
10 Vinyl Chloride	0.20040	0.20933	0.19160	0.17421	0.19746	0.16341	0.18940	9.127
11 Bromomethane	0.12352	0.12166	0.11961	0.12860	0.13730	0.16235	0.13217	12.168
12 Chloroethane	0.11676	0.11021	0.11021	0.11418	0.13361	0.15983	0.12413	15.726
13 Trichlorofluoromethane	0.17228	0.20008	0.19628	0.17862	0.25014	0.29256	0.21499	21.789
14 Dichlorofluoromethane	0.33515	0.33081	0.37981	0.39398	0.40332	0.43223	0.37922	10.479
15 Acrolein	0.01676	0.02349	0.01844	0.01970	0.01932	0.02581	0.02059	16.449
16 Acetone	0.08346	0.08604	0.07615	0.07621	0.07648	0.08241	0.08013	5.463
17 1,1-Dichloroethene	0.15457	0.13346	0.14965	0.16503	0.17342	0.20190	0.16301	14.382
18 Freon-113	0.13357	0.09135	0.09735	0.11960	0.12215	0.15123	0.11921	18.735
19 Iodomethane	0.22604	0.22668	0.24022	0.25405	0.24648	0.24316	0.23944	4.651
20 Carbon Disulfide	0.40472	0.39265	0.41487	0.45960	0.47579	0.47283	0.43674	8.443
21 Methylene Chloride	0.31101	0.25605	0.20554	0.19447	0.18802	0.18323	0.22305	22.649
22 Acetonitrile	0.01881	0.02509	0.02153	0.02190	0.01878	0.01817	0.02071	12.782
23 Acrylonitrile	0.08239	0.09243	0.09282	0.09898	0.09919	0.10413	0.09499	7.980
24 Methyl tert-butyl ether	0.46206	0.50247	0.56120	0.58692	0.60083	0.63458	0.55801	11.568
25 trans-1,2-Dichloroethene	0.20669	0.18025	0.19360	0.20615	0.21475	0.21577	0.20287	6.724
26 Hexane	0.04184	0.02756	0.02577	0.03678	0.03426	0.04248	0.03478	20.189
27 Vinyl acetate	0.30763	0.35285	0.36622	0.36689	0.39805	0.43418	0.37097	11.505
28 1,1-Dichloroethane	0.31629	0.30826	0.31467	0.32263	0.34339	0.34335	0.32476	4.655
29 tert-Butyl Alcohol	0.01626	0.01785	0.02240	0.02261	0.02181	0.02173	0.02044	13.184
30 2-Butanone	0.10144	0.11752	0.11658	0.11332	0.12072	0.12343	0.11550	6.681
M 31 1,2-Dichloroethene (total)	0.20121	0.18267	0.20289	0.21158	0.21586	0.22124	0.20591	6.651
32 cis-1,2-dichloroethene	0.19573	0.18509	0.21219	0.21702	0.21697	0.22672	0.20895	7.414

Report Date : 06-Oct-2004 08:45

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 05-OCT-2004 16:37
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Cal Date : 06-Oct-2004 08:39 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	0.15960	0.14867	0.17057	0.19028	0.20359	0.19916	0.17864	12.528	
	34 Bromochloromethane	0.09743	0.10237	0.10538	0.10894	0.11050	0.11310	0.10629	5.419	
	35 Chloroform	0.33758	0.33075	0.33504	0.35227	0.35504	0.35711	0.34463	3.326	
	36 Tetrahydrofuran	0.08168	0.07366	0.07185	0.07693	0.08311	0.08516	0.07873	6.853	
	37 1,1,1-Trichloroethane	0.23495	0.22841	0.24081	0.27391	0.27722	0.27871	0.25567	9.125	
	38 1,1-Dichloropropene	0.21762	0.20487	0.22583	0.25106	0.26168	0.27585	0.23949	11.529	
	39 Carbon Tetrachloride	0.22512	0.18837	0.20472	0.24110	0.24572	0.25485	0.22665	11.363	
	40 1,2-Dichloroethane	0.27425	0.26167	0.29160	0.29626	0.29530	0.30033	0.28657	5.307	
	41 Benzene	0.85947	0.74105	0.81186	0.82480	0.83181	0.85923	0.82137	5.320	
	42 Trichloroethene	0.20396	0.20693	0.21613	0.23593	0.24782	0.24901	0.22663	8.933	
	43 1,2-Dichloropropane	0.17023	0.16601	0.17802	0.18744	0.19115	0.19911	0.18199	7.020	
	44 1,4-Dioxane	0.00109	0.00127	0.00172	0.00154	0.00192	0.00188	0.00157	21.322	<-
	45 Dibromomethane	0.12254	0.13080	0.12807	0.12736	0.13276	0.13588	0.12957	3.588	
	46 Bromodichloromethane	0.23344	0.22358	0.24413	0.26211	0.26804	0.27264	0.25066	7.956	
	47 2-Chloroethyl vinyl ether	0.09661	0.11413	0.12486	0.13286	0.14420	0.15948	0.12869	17.242	
	48 cis-1,3-Dichloropropene	0.21829	0.23831	0.26236	0.29646	0.31727	0.32765	0.27672	15.936	
	49 4-Methyl-2-pentanone	0.22000	0.24416	0.26350	0.27179	0.27708	0.29208	0.26143	9.842	
	50 Toluene	1.00353	1.02317	1.13838	1.20106	1.24519	1.27103	1.14706	9.859	
	51 trans-1,3-Dichloropropene	0.22810	0.30320	0.35000	0.36114	0.39598	0.42136	0.34330	20.228	
	52 Ethyl Methacrylate	0.24427	0.27895	0.33980	0.38317	0.41757	0.43767	0.35024	21.999	
	53 1,1,2-Trichloroethane	0.23328	0.24091	0.25674	0.26034	0.26782	0.26590	0.25417	5.510	
	54 1,3-Dichloropropane	0.40147	0.41783	0.44071	0.45282	0.46580	0.48060	0.44321	6.688	
	55 Tetrachloroethene	0.21736	0.20205	0.20029	0.23853	0.24255	0.24594	0.22445	9.182	
	56 2-Hexanone	0.19841	0.31358	0.26564	0.30394	0.30853	0.32272	0.28547	16.448	
	57 Dibromochloromethane	0.24031	0.23960	0.26538	0.28185	0.29404	0.29301	0.26903	9.210	
	58 1,2-Dibromoethane	0.22335	0.24740	0.26446	0.26714	0.28443	0.28245	0.26154	8.819	
	59 Chlorobenzene	0.71389	0.75242	0.77301	0.79925	0.79586	0.82047	0.77582	4.937	
	60 1,1,1,2-Tetrachloroethane	0.23453	0.23935	0.26963	0.27891	0.28724	0.28670	0.26606	8.830	
	61 Ethylbenzene	0.34465	0.34462	0.39230	0.41498	0.43459	0.44125	0.39540	10.839	
	62 m + p-Xylene	0.39503	0.43561	0.49412	0.53344	0.55323	0.57494	0.49773	14.132	
M	63 Xylenes (total)	0.38145	0.42182	0.49031	0.52553	0.54643	0.56798	0.48892	15.017	
	64 Xylene-o	0.35428	0.39425	0.48270	0.50972	0.53282	0.55406	0.47130	16.940	
	65 Styrene	0.56305	0.61915	0.77055	0.83439	0.91342	0.95799	0.77643	20.396	

Report Date : 06-Oct-2004 08:45

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 05-OCT-2004 16:37
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Cal Date : 06-Oct-2004 08:39 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	0.16022	0.17561	0.20394	0.20664	0.22425	0.22496	0.19927	13.171
67 Isopropylbenzene	0.78502	0.83062	0.98296	1.11212	1.18981	1.23864	1.02320	18.415
68 1,1,2,2-Tetrachloroethane	0.60791	0.60157	0.64879	0.66713	0.67305	0.69030	0.64812	5.583
69 1,4-Dichloro-2-butene	0.12058	0.11978	0.16619	0.16476	0.18271	0.21279	0.16113	22.425
70 1,2,3-Trichloropropane	0.24028	0.25744	0.26435	0.27902	0.28149	0.28923	0.26864	6.752
71 Bromobenzene	0.52080	0.55400	0.62030	0.64764	0.66498	0.68193	0.61494	10.455
72 n-Propylbenzene	0.50253	0.47352	0.60029	0.65038	0.67250	0.69705	0.59938	15.419
73 2-Chlorotoluene	0.53453	0.51566	0.56025	0.62844	0.61319	0.62853	0.58010	8.585
74 1,3,5-Trimethylbenzene	1.42064	1.46506	1.70263	1.88524	1.99561	2.06594	1.75585	15.496
75 4-Chlorotoluene	0.51773	0.56572	0.60673	0.65865	0.64257	0.66536	0.60946	9.560
76 tert-Butylbenzene	1.14099	1.24597	1.41374	1.60120	1.62143	1.76074	1.46401	16.338
77 1,2,4-Trimethylbenzene	1.29972	1.51915	1.74030	1.96921	2.00015	2.06616	1.76578	17.275
78 sec-Butylbenzene	1.52079	1.62398	1.75612	2.09072	2.20636	2.29787	1.91597	16.956
79 4-Isopropyltoluene	1.29931	1.40072	1.52865	1.79732	1.84114	1.95926	1.63774	16.220
80 1,3-Dichlorobenzene	1.11733	1.10584	1.13829	1.17866	1.15934	1.19346	1.14882	3.001
81 1,4-Dichlorobenzene	1.26263	1.26810	1.24004	1.27228	1.21015	1.24078	1.24900	1.878
82 n-Butylbenzene	1.13800	1.12540	1.19888	1.41804	1.48533	1.58566	1.32522	14.826
83 1,2-Dichlorobenzene	1.00491	1.00317	1.06811	1.10809	1.12468	1.13204	1.07350	5.420
84 1,2-Dibromo-3-chloropropane	0.14869	0.16301	0.15270	0.15534	0.15900	0.16663	0.15756	4.221
85 1,2,4-Trichlorobenzene	0.44840	0.42190	0.49177	0.50870	0.51948	0.55780	0.49134	10.044
86 Hexachlorobutadiene	0.18921	0.17769	0.16835	0.18672	0.19155	0.18130	0.18247	4.712
87 Naphthalene	1.23054	1.20939	1.42125	1.65518	1.77165	1.94235	1.53839	19.457
88 1,2,3-Trichlorobenzene	0.51247	0.45275	0.44542	0.47333	0.47362	0.50249	0.47668	5.564
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	0.23741	0.18938	0.19265	0.25949	0.24978	0.29728	0.23766	17.384

Report Date : 06-Oct-2004 08:45

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 05-OCT-2004 16:37
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Cal Date : 06-Oct-2004 08:39 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	0.59939	0.53415	0.59235	0.60138	0.61200	0.62390	0.59386	5.264	
	143 Methyl Acetate	0.16324	0.18800	0.18369	0.18344	0.18570	0.19197	0.18267	5.492	
	144 Methylcyclohexane	0.21798	0.17852	0.17483	0.24762	0.25663	0.29778	0.22890	20.902	
	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	0.18038	0.17773	0.19019	0.18918	0.19526	0.20363	0.18940	5.036	
$	5 1,2-Dichloroethane-d4	0.20756	0.23010	0.23618	0.24407	0.23989	0.25449	0.23538	6.754	
$	6 Toluene-d8	0.80929	0.92731	1.03076	1.02749	1.08033	1.13062	1.00097	11.553	
$	7 Bromofluorobenzene	0.26188	0.28616	0.34520	0.34700	0.37814	0.39125	0.33494	15.227	

Report Date : 06-Oct-2004 09:02

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 05-OCT-2004 16:37
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Cal Date : 06-Oct-2004 09:00 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	0.12745	0.12773	0.11891	0.10485	0.13809	0.11551	AVRG		0.12209		9.46114
9 Chloromethane	36358	68655	154726	278562	592037	1133180	WLINR	-0.06436	0.16240		0.99768
10 Vinyl Chloride	0.20040	0.20933	0.19160	0.17421	0.19746	0.16341	AVRG		0.18940		9.12717
11 Bromomethane	0.12352	0.12166	0.11961	0.12860	0.13730	0.16235	AVRG		0.13217		12.16845
12 Chloroethane	17340	33621	87090	187404	452381	1131365	QUAD	0.02912	8.43352	-3.48633	0.99953
13 Trichlorofluoromethane	25586	61039	155094	293182	846909	2070914	QUAD	0.06872	4.50092	-0.98279	0.99685
14 Dichlorofluoromethane	0.33515	0.33081	0.37981	0.39398	0.40332	0.43223	AVRG		0.37922		10.47914
15 Acrolein	24883	71653	145748	323344	654115	1826759	QUAD	-0.43357	59.61536	-19.77898	0.99935
16 Acetone	0.08346	0.08604	0.07615	0.07621	0.07648	0.08241	AVRG		0.08013		5.46293

Report Date : 06-Oct-2004 09:02

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 05-OCT-2004 16:37
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Cal Date : 06-Oct-2004 09:00 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	0.15457	0.13346	0.14965	0.16503	0.17342	0.20190	AVRG		0.16301		14.38229
	18 Freon-113	19837	27868	76928	196312	413574	1070449	QUAD	0.01839	9.05141	-4.07946	0.99943
	19 Iodomethane	0.22604	0.22668	0.24022	0.25405	0.24648	0.24316	AVRG		0.23944		4.65065
	20 Carbon Disulfide	0.40472	0.39265	0.41487	0.45960	0.47579	0.47283	AVRG		0.43674		8.44252
	21 Methylene Chloride	46188	78112	162416	319200	636597	1297016	WLINR	-0.07580	0.18034		0.99990
	22 Acetonitrile	0.01881	0.02509	0.02153	0.02190	0.01878	0.01817	AVRG		0.02071		12.78172
	23 Acrylonitrile	0.08239	0.09243	0.09282	0.09898	0.09919	0.10413	AVRG		0.09499		7.97989
	24 Methyl tert-butyl ether	0.46206	0.50247	0.56120	0.58692	0.60083	0.63458	AVRG		0.55801		11.56796
	25 trans-1,2-Dichloroethene	0.20669	0.18025	0.19360	0.20615	0.21475	0.21577	AVRG		0.20287		6.72423
	26 Hexane	6214	8409	20365	60373	116004	300667	QUAD	0.01378	31.43479	-46.79161	0.99783
	27 Vinyl acetate	0.30763	0.35285	0.36622	0.36689	0.39805	0.43418	AVRG		0.37097		11.50454
	28 1,1-Dichloroethane	0.31629	0.30826	0.31467	0.32263	0.34339	0.34335	AVRG		0.32476		4.65544
	29 tert-Butyl Alcohol	0.01626	0.01785	0.02240	0.02261	0.02181	0.02173	AVRG		0.02044		13.18353
	30 2-Butanone	0.10144	0.11752	0.11658	0.11332	0.12072	0.12343	AVRG		0.11550		6.68128
M	31 1,2-Dichloroethene (total)	0.20121	0.18267	0.20289	0.21158	0.21586	0.22124	AVRG		0.20591		6.65061
	32 cis-1,2-dichloroethene	0.19573	0.18509	0.21219	0.21702	0.21697	0.22672	AVRG		0.20895		7.41361
	33 2,2-Dichloropropane	0.15960	0.14867	0.17057	0.19028	0.20359	0.19916	AVRG		0.17864		12.52792

Report Date : 06-Oct-2004 09:02

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 05-OCT-2004 16:37
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Cal Date : 06-Oct-2004 09:00 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	0.09743	0.10237	0.10538	0.10894	0.11050	0.11310	AVRG		0.10629		5.41874	
35 Chloroform	0.33758	0.33075	0.33504	0.35227	0.35504	0.35711	AVRG		0.34463		3.32578	
36 Tetrahydrofuran	0.08168	0.07366	0.07185	0.07693	0.08311	0.08516	AVRG		0.07873		6.85251	
37 1,1,1-Trichloroethane	0.23495	0.22841	0.24081	0.27391	0.27722	0.27871	AVRG		0.25567		9.12485	
38 1,1-Dichloropropene	0.21762	0.20487	0.22583	0.25106	0.26168	0.27585	AVRG		0.23949		11.52870	
39 Carbon Tetrachloride	0.22512	0.18837	0.20472	0.24110	0.24572	0.25485	AVRG		0.22665		11.36255	
40 1,2-Dichloroethane	0.27425	0.26167	0.29160	0.29626	0.29530	0.30033	AVRG		0.28657		5.30719	
41 Benzene	0.85947	0.74105	0.81186	0.82480	0.83181	0.85923	AVRG		0.82137		5.32015	
42 Trichloroethene	0.20396	0.20693	0.21613	0.23593	0.24782	0.24901	AVRG		0.22663		8.93294	
43 1,2-Dichloropropane	0.17023	0.16601	0.17802	0.18744	0.19115	0.19911	AVRG		0.18199		7.02011	
44 1,4-Dioxane	8081	19409	68068	126687	324498	665212	WLINR	2.74454	0.00190		0.99618	<-
45 Dibromomethane	0.12254	0.13080	0.12807	0.12736	0.13276	0.13588	AVRG		0.12957		3.58829	
46 Bromodichloromethane	0.23344	0.22358	0.24413	0.26211	0.26804	0.27264	AVRG		0.25066		7.95621	
47 2-Chloroethyl vinyl ether	28696	69633	197323	436145	976451	2257787	QUAD	0.07552	7.37151	-0.91164	0.99995	
48 cis-1,3-Dichloropropene	32419	72701	207313	486599	1074223	2319264	WLINR	0.04801	0.32557		0.99825	
49 4-Methyl-2-pentanone	0.22000	0.24416	0.26350	0.27179	0.27708	0.29208	AVRG		0.26143		9.84221	
50 Toluene	1.00353	1.02317	1.13838	1.20106	1.24519	1.27103	AVRG		1.14706		9.85850	

Report Date : 06-Oct-2004 09:02

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 05-OCT-2004 16:37
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Cal Date : 06-Oct-2004 09:00 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	24982	67093	199858	434909	988226	2268545	WLINR	0.05557	0.41543		0.99801
	52 Ethyl Methacrylate	26753	61727	194033	461447	1042119	2356331	WLINR	0.06182	0.43411		0.99770
	53 1,1,2-Trichloroethane	0.23328	0.24091	0.25674	0.26034	0.26782	0.26590	AVRG		0.25417		5.50985
	54 1,3-Dichloropropane	0.40147	0.41783	0.44071	0.45282	0.46580	0.48060	AVRG		0.44321		6.68804
	55 Tetrachloroethene	0.21736	0.20205	0.20029	0.23853	0.24255	0.24594	AVRG		0.22445		9.18215
	56 2-Hexanone	43461	138778	303373	732070	1539964	3474954	WLINR	0.06948	0.32024		0.99797
	57 Dibromochloromethane	0.24031	0.23960	0.26538	0.28185	0.29404	0.29301	AVRG		0.26903		9.20982
	58 1,2-Dibromoethane	0.22335	0.24740	0.26446	0.26714	0.28443	0.28245	AVRG		0.26154		8.81859
	59 Chlorobenzene	0.71389	0.75242	0.77301	0.79925	0.79586	0.82047	AVRG		0.77582		4.93695
	60 1,1,1,2-Tetrachloroethane	0.23453	0.23935	0.26963	0.27891	0.28724	0.28670	AVRG		0.26606		8.83008
	61 Ethylbenzene	0.34465	0.34462	0.39230	0.41498	0.43459	0.44125	AVRG		0.39540		10.83918
	62 m + p-Xylene	0.39503	0.43561	0.49412	0.53344	0.55323	0.57494	AVRG		0.49773		14.13162
M	63 Xylenes (total)	125333	280024	839932	1898659	4091074	9173715	WLINR	0.12916	0.56493		0.99924
	64 Xylene-o	38802	87240	275629	613841	1329733	2982945	WLINR	0.04669	0.55182		0.99926
	65 Styrene	61668	137006	439999	1004840	2279579	5157625	WLINR	0.05818	0.94896		0.99785
	66 Bromoform	0.16022	0.17561	0.20394	0.20664	0.22425	0.22496	AVRG		0.19927		13.17142
	67 Isopropylbenzene	85979	183802	561291	1339302	2969344	6668607	WLINR	0.05379	1.22995		0.99803

Report Date : 06-Oct-2004 09:02

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 05-OCT-2004 16:37
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Cal Date : 06-Oct-2004 09:00 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	0.60791	0.60157	0.64879	0.66713	0.67305	0.69030	AVRG		0.64812		5.58297
69 1,4-Dichloro-2-butene	6252	13355	49597	101307	242175	590261	QUAD	0.04013	5.93591	-1.50918	0.99986
70 1,2,3-Trichloropropane	0.24028	0.25744	0.26435	0.27902	0.28149	0.28923	AVRG		0.26864		6.75171
71 Bromobenzene	0.52080	0.55400	0.62030	0.64764	0.66498	0.68193	AVRG		0.61494		10.45457
72 n-Propylbenzene	26057	52797	179144	399911	891373	1933514	WLINR	0.04377	0.69436		0.99878
73 2-Chlorotoluene	0.53453	0.51566	0.56025	0.62844	0.61319	0.62853	AVRG		0.58010		8.58489
74 1,3,5-Trimethylbenzene	73662	163353	508119	1159205	2645085	5730642	WLINR	0.04635	2.05325		0.99853
75 4-Chlorotoluene	0.51773	0.56572	0.60673	0.65865	0.64257	0.66536	AVRG		0.60946		9.56040
76 tert-Butylbenzene	59162	138924	421903	984556	2149125	4884051	QUAD	0.03656	0.63502	-0.01023	0.99988
77 1,2,4-Trimethylbenzene	67392	169384	519358	1210836	2651097	5731257	WLINR	0.04667	2.06732		0.99934
78 sec-Butylbenzene	78855	181072	524080	1285555	2924427	6373985	WLINR	0.05104	2.27957		0.99756
79 4-Isopropyltoluene	67371	156179	456197	1105147	2440349	5434716	WLINR	0.04902	1.93403		0.99776
80 1,3-Dichlorobenzene	1.11733	1.10584	1.13829	1.17866	1.15934	1.19346	AVRG		1.14882		3.00131
81 1,4-Dichlorobenzene	1.26263	1.26810	1.24004	1.27228	1.21015	1.24078	AVRG		1.24900		1.87764
82 n-Butylbenzene	1.13800	1.12540	1.19888	1.41804	1.48533	1.58566	AVRG		1.32522		14.82614
83 1,2-Dichlorobenzene	1.00491	1.00317	1.06811	1.10809	1.12468	1.13204	AVRG		1.07350		5.41953
84 1,2-Dibromo-3-chloropropane	0.14869	0.16301	0.15270	0.15534	0.15900	0.16663	AVRG		0.15756		4.22149

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 05-OCT-2004 16:37
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Cal Date : 06-Oct-2004 09:00 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	0.44840	0.42190	0.49177	0.50870	0.51948	0.55780	AVRG		0.49134		10.04398	
86 Hexachlorobutadiene	0.18921	0.17769	0.16835	0.18672	0.19155	0.18130	AVRG		0.18247		4.71209	
87 Naphthalene	63805	134846	424144	1017747	2348239	5387821	WLINR	0.06025	1.89527		0.99512	
88 1,2,3-Trichlorobenzene	0.51247	0.45275	0.44542	0.47333	0.47362	0.50249	AVRG		0.47668		5.56385	
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	35258	57772	152228	425924	845713	2104276	QUAD	0.03011	4.24969	-0.76400	0.99878	
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 : 06-Oct-2004 09:02

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 05-OCT-2004 16:37
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Cal Date : 06-Oct-2004 09:00 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	0.59939	0.53415	0.59235	0.60138	0.61200	0.62390	AVRG		0.59386		5.26414	
	143 Methyl Acetate	0.16324	0.18800	0.18369	0.18344	0.18570	0.19197	AVRG		0.18267		5.49222	
	144 Methylcyclohexane	32373	54461	138146	406444	868896	2107858	QUAD	0.05916	4.12019	-0.68155	0.99899	
	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 : 06-Oct-2004 09:02

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 05-OCT-2004 16:37
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Cal Date : 06-Oct-2004 09:00 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	0.18038	0.17773	0.19019	0.18918	0.19526	0.20363	AVRG		0.18940		5.03625
$ 5 1,2-Dichloroethane-d4	0.20756	0.23010	0.23618	0.24407	0.23989	0.25449	AVRG		0.23538		6.75366
$ 6 Toluene-d8	0.80929	0.92731	1.03076	1.02749	1.08033	1.13062	AVRG		1.00097		11.55293
$ 7 Bromofluorobenzene	28682	63322	197116	417888	943702	2106412	QUAD	0.04313	2.69787	-0.10964	0.99984

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

Report Date: 12-Aug-2004 14:52

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Start Cal Date: 11-AUG-2004 16:41
End Cal Date : 12-AUG-2004 08:27
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
12-AUG-2004 08:27	7-IX+	UXX0527.D
11-AUG-2004 18:34	2-8260	UXX0494.D
Cal Level: 2 , Cal Amount: 10.000		
12-AUG-2004 08:04	7-IX+	UXX0526.D
11-AUG-2004 18:11	2-8260	UXX0493.D
Cal Level: 3 , Cal Amount: 25.000		
12-AUG-2004 07:41	7-IX+	UXX0525.D
11-AUG-2004 17:49	2-8260	UXX0492.D
Cal Level: 4 , Cal Amount: 50.000		
12-AUG-2004 07:18	7-IX+	UXX0524.D
11-AUG-2004 17:26	2-8260	UXX0491.D
Cal Level: 5 , Cal Amount: 100.00		
12-AUG-2004 06:56	7-IX+	UXX0523.D
11-AUG-2004 17:03	2-8260	UXX0490.D
Cal Level: 6 , Cal Amount: 200.00		
12-AUG-2004 06:33	7-IX+	UXX0522.D
11-AUG-2004 16:41	2-8260	UXX0489.D

Continuing Calibration

12-AUG-2004 07:18	7-IX+	UXX0524.D

Report Date : 12-Aug-2004 14:40

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 12-AUG-2004 08:27
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Cal Date : 12-Aug-2004 14:38 quayler
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0527.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0526.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0525.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0524.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0523.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0522.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	0.10705	0.09548	0.13011	0.14684	0.15440	0.15040	0.13071	18.772
	9 Chloromethane	0.31901	0.31782	0.33312	0.32323	0.32219	0.29993	0.31922	3.410
	10 Vinyl Chloride	0.27754	0.27576	0.28377	0.30068	0.29494	0.26212	0.28247	4.937
	11 Bromomethane	0.13809	0.12238	0.12677	0.12704	0.14663	0.15911	0.13667	10.346
	12 Chloroethane	0.18401	0.18561	0.19568	0.20061	0.21927	0.25048	0.20594	12.263
	13 Trichlorofluoromethane	0.20522	0.17286	0.22741	0.28889	0.32457	0.39389	0.26880	30.732
	14 Dichlorofluoromethane	0.33515	0.33081	0.37981	0.39398	0.40332	0.43223	0.37922	10.479
	15 Acrolein	0.06370	0.06470	0.06334	0.06372	0.06538	0.08022	0.06684	9.872
	16 Acetone	0.12080	0.09123	0.09206	0.09061	0.09629	0.14105	0.10534	19.861
	17 1,1-Dichloroethene	0.14759	0.18503	0.18334	0.19241	0.21012	0.24140	0.19332	16.118
	18 Freon-113	0.05685	0.10997	0.11397	0.14267	0.15065	0.17335	0.12458	32.704
	19 Iodomethane	0.24836	0.27109	0.27276	0.26825	0.26896	0.26809	0.26625	3.362
	20 Carbon Disulfide	0.49384	0.54904	0.56180	0.59307	0.61694	0.62678	0.57358	8.609
	21 Methylene Chloride	0.32356	0.28470	0.22675	0.20872	0.21025	0.21169	0.24428	19.812
	22 Acetonitrile	0.03092	0.02788	0.02439	0.02384	0.02411	0.02772	0.02648	10.705
	23 Acrylonitrile	0.09870	0.10798	0.10367	0.11105	0.11530	0.12745	0.11069	9.060
	24 Methyl tert-butyl ether	0.56636	0.61616	0.63000	0.66090	0.69097	0.71295	0.64622	8.251
	25 trans-1,2-Dichloroethene	0.20194	0.20921	0.20694	0.22185	0.23031	0.23524	0.21758	6.234
	26 Hexane	0.02405	0.03418	0.03639	0.04774	0.04748	0.04841	0.03971	24.866
	27 Vinyl acetate	0.55159	0.53006	0.51179	0.50691	0.55681	0.61665	0.54563	7.373
	28 1,1-Dichloroethane	0.35023	0.36406	0.36073	0.37077	0.38643	0.39892	0.37186	4.809
	29 tert-Butyl Alcohol	0.02475	0.02441	0.02557	0.02517	0.02547	0.03009	0.02591	8.087
	30 2-Butanone	0.16173	0.15551	0.14863	0.15490	0.15695	0.18425	0.16033	7.765
M	31 1,2-Dichloroethene (total)	0.20687	0.21464	0.21197	0.22452	0.23186	0.23748	0.22122	5.435
	32 cis-1,2-dichloroethene	0.21180	0.22007	0.21700	0.22718	0.23341	0.23971	0.22486	4.682

Report Date : 12-Aug-2004 14:40

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 12-AUG-2004 08:27
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Cal Date : 12-Aug-2004 14:38 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	0.17483	0.19559	0.21221	0.22768	0.23927	0.23997	0.21492	12.082	
	34 Bromochloromethane	0.10153	0.09617	0.10208	0.10525	0.10735	0.11065	0.10384	4.872	
	35 Chloroform	0.34687	0.33870	0.33271	0.34228	0.35759	0.36765	0.34763	3.710	
	36 Tetrahydrofuran	0.12693	0.10626	0.10256	0.11078	0.11036	0.12122	0.11302	8.184	
	37 1,1,1-Trichloroethane	0.20389	0.25025	0.24894	0.26800	0.28127	0.28788	0.25671	11.807	
	38 1,1-Dichloropropene	0.21253	0.24102	0.24928	0.27335	0.28870	0.30194	0.26114	12.679	
	39 Carbon Tetrachloride	0.13865	0.19360	0.19354	0.21935	0.24449	0.25446	0.20735	20.282	
	40 1,2-Dichloroethane	0.28971	0.26384	0.27065	0.28673	0.30119	0.31594	0.28801	6.668	
	41 Benzene	1.02234	0.97201	0.88958	0.88564	0.92775	0.95632	0.94227	5.552	
	42 Trichloroethene	0.22427	0.23373	0.22973	0.23406	0.23853	0.24820	0.23475	3.470	
	43 1,2-Dichloropropane	0.19809	0.20623	0.19912	0.21242	0.21443	0.22473	0.20917	4.841	
	44 1,4-Dioxane	0.00159	0.00131	0.00231	0.00220	0.00213	0.00229	0.00197	21.270	<-
	45 Dibromomethane	0.11833	0.12773	0.11792	0.12178	0.12882	0.13413	0.12478	5.196	
	46 Bromodichloromethane	0.22421	0.22322	0.23481	0.24346	0.25212	0.26998	0.24130	7.426	
	47 2-Chloroethyl vinyl ether	0.13436	0.13788	0.13366	0.14456	0.15393	0.16321	0.14460	8.200	
	48 cis-1,3-Dichloropropene	0.29611	0.31150	0.30596	0.31482	0.33279	0.35508	0.31938	6.655	
	49 4-Methyl-2-pentanone	0.31115	0.35476	0.31572	0.34054	0.34703	0.38493	0.34236	7.919	
	50 Toluene	1.20334	1.17271	1.24893	1.29640	1.35680	1.43306	1.28521	7.607	
	51 trans-1,3-Dichloropropene	0.35907	0.37282	0.38947	0.40946	0.43480	0.46950	0.40585	10.129	
	52 Ethyl Methacrylate	0.39573	0.38917	0.43210	0.43534	0.47689	0.50926	0.43975	10.561	
	53 1,1,2-Trichloroethane	0.26191	0.24599	0.24747	0.25896	0.27071	0.27860	0.26061	4.902	
	54 1,3-Dichloropropane	0.43634	0.46416	0.45209	0.46065	0.50600	0.52943	0.47478	7.456	
	55 Tetrachloroethene	0.19136	0.23249	0.21188	0.24231	0.25439	0.26517	0.23293	11.772	
	56 2-Hexanone	0.30745	0.34576	0.33191	0.33389	0.34571	0.37701	0.34029	6.698	
	57 Dibromochloromethane	0.20818	0.21115	0.22839	0.23365	0.26529	0.28046	0.23786	12.284	
	58 1,2-Dibromoethane	0.24400	0.25531	0.25732	0.26895	0.27989	0.28846	0.26565	6.251	
	59 Chlorobenzene	0.76520	0.80336	0.76671	0.79516	0.81995	0.85029	0.80011	4.062	
	60 1,1,1,2-Tetrachloroethane	0.20826	0.23180	0.24148	0.26119	0.27665	0.28790	0.25121	11.821	
	61 Ethylbenzene	0.40824	0.42721	0.42548	0.44257	0.46791	0.48067	0.44201	6.236	
	62 m + p-Xylene	0.48682	0.51633	0.51971	0.55715	0.59488	0.62875	0.55060	9.715	
M	63 Xylenes (total)	0.49093	0.50907	0.51896	0.55649	0.58981	0.61916	0.54740	9.133	
	64 Xylene-o	0.49916	0.49456	0.51745	0.55517	0.57968	0.59998	0.54100	8.115	
	65 Styrene	0.78558	0.81364	0.85233	0.90745	0.96922	1.03766	0.88931	11.653	

Report Date : 12-Aug-2004 14:40

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 12-AUG-2004 08:27
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Cal Date : 12-Aug-2004 14:38 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	0.10759	0.14404	0.15986	0.17948	0.20061	0.21648	0.16801	23.562
67 Isopropylbenzene	0.99458	1.07575	1.13810	1.24225	1.32407	1.40523	1.19666	12.983
68 1,1,2,2-Tetrachloroethane	0.58946	0.62219	0.63428	0.64738	0.66537	0.70854	0.64454	6.274
69 1,4-Dichloro-2-butene	0.21494	0.22995	0.23314	0.25295	0.26922	0.29485	0.24917	11.770
70 1,2,3-Trichloropropane	0.26825	0.26276	0.26409	0.27230	0.26757	0.28443	0.26990	2.916
71 Bromobenzene	0.61745	0.64551	0.62650	0.65075	0.68046	0.68396	0.65077	4.186
72 n-Propylbenzene	0.62616	0.66090	0.67011	0.70337	0.71859	0.72274	0.68364	5.529
73 2-Chlorotoluene	0.57384	0.57944	0.60369	0.60334	0.62408	0.63720	0.60360	4.070
74 1,3,5-Trimethylbenzene	1.71071	1.75134	1.90828	2.02170	2.14754	2.17711	1.95278	10.091
75 4-Chlorotoluene	0.59067	0.59752	0.62382	0.63606	0.66905	0.67205	0.63153	5.465
76 tert-Butylbenzene	1.36896	1.50874	1.79455	1.74945	1.84502	1.85326	1.68666	11.887
77 1,2,4-Trimethylbenzene	1.72734	1.84061	1.99328	2.12087	2.17711	2.19431	2.00892	9.524
78 sec-Butylbenzene	1.67173	1.99293	2.13284	2.35391	2.51093	2.50747	2.19497	14.989
79 4-Isopropyltoluene	1.45366	1.66092	1.78777	1.98658	2.04019	2.07280	1.83365	13.349
80 1,3-Dichlorobenzene	1.17096	1.15076	1.20809	1.18791	1.21979	1.21611	1.19227	2.304
81 1,4-Dichlorobenzene	1.22258	1.21827	1.21180	1.25657	1.27454	1.26831	1.24201	2.224
82 n-Butylbenzene	1.23702	1.42716	1.51536	1.66168	1.74449	1.73706	1.55379	12.854
83 1,2-Dichlorobenzene	1.05498	1.13775	1.12059	1.13898	1.18536	1.15526	1.13215	3.857
84 1,2-Dibromo-3-chloropropane	0.13883	0.15261	0.15641	0.16077	0.17012	0.17785	0.15943	8.579
85 1,2,4-Trichlorobenzene	0.57904	0.64718	0.60731	0.58227	0.60147	0.56583	0.59718	4.827
86 Hexachlorobutadiene	0.16835	0.19844	0.19368	0.19942	0.20167	0.17968	0.19021	6.994
87 Naphthalene	2.04242	2.16463	1.99676	2.00770	2.04939	2.09921	2.06002	3.043
88 1,2,3-Trichlorobenzene	0.53292	0.56874	0.54336	0.52404	0.52753	0.51062	0.53454	3.724
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	0.17836	0.29867	0.29444	0.37041	0.38920	0.41716	0.32471	26.779

Report Date : 12-Aug-2004 14:40

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 12-AUG-2004 08:27
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Cal Date : 12-Aug-2004 14:38 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	0.60440	0.67162	0.66732	0.63775	0.65571	0.63902	0.64597	3.825	
143 Methyl Acetate	0.24673	0.25408	0.22835	0.23009	0.23426	0.26249	0.24267	5.750	
144 Methylcyclohexane	0.16155	0.27901	0.25217	0.33325	0.35471	0.37439	0.29251	27.002	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	0.79689	0.86774	0.89101	0.92268	0.95715	0.98771	0.90386	7.526	
$ 4 Dibromofluoromethane	0.15682	0.15817	0.17042	0.16574	0.17487	0.18341	0.16824	6.045	
$ 5 1,2-Dichloroethane-d4	0.20821	0.20312	0.22537	0.21626	0.23028	0.24165	0.22081	6.523	
$ 6 Toluene-d8	0.97730	0.97259	0.99137	1.01413	1.09794	1.15314	1.03441	7.167	
$ 7 Bromofluorobenzene	0.31561	0.33379	0.34016	0.34840	0.37821	0.38867	0.35081	7.892	

Report Date : 12-Aug-2004 14:45

STL North Canton

INITIAL CALIBRATION DATA

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Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Cal Date : 12-Aug-2004 14:38 quayler

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0527.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0526.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0525.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0524.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0523.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0522.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	16085	29493	104108	244247	524158	1030628	WLINR	0.04755	0.15353		0.99819
9 Chloromethane	0.31901	0.31782	0.33312	0.32323	0.32219	0.29993	AVRG		0.31922		3.40988
10 Vinyl Chloride	0.27754	0.27576	0.28377	0.30068	0.29494	0.26212	AVRG		0.28247		4.93684
11 Bromomethane	0.13809	0.12238	0.12677	0.12704	0.14663	0.15911	AVRG		0.13667		10.34566
12 Chloroethane	0.18401	0.18561	0.19568	0.20061	0.21927	0.25048	AVRG		0.20594		12.26344
13 Trichlorofluoromethane	30836	53395	181958	480513	1101831	2699241	QUAD	0.07940	3.32635	-0.53267	0.99956
14 Dichlorofluoromethane	0.33515	0.33081	0.37981	0.39398	0.40332	0.43223	AVRG		0.37922		10.47914
15 Acrolein	0.06370	0.06470	0.06334	0.06372	0.06538	0.08022	AVRG		0.06684		9.87157
16 Acetone	36304	56361	147324	301419	653769	1933115	QUAD	-0.07920	12.34233	-4.59230	0.99996

Report Date : 12-Aug-2004 14:45

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INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 12-AUG-2004 08:27
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Cal Date : 12-Aug-2004 14:38 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	22177	57155	146695	320043	713319	1654254	QUAD	0.02384	5.20303	-1.12546	0.99994
	18 Freon-113	8542	33969	91192	237314	511420	1187925	QUAD	0.06639	6.96516	-1.86335	0.99976
	19 Iodomethane	0.24836	0.27109	0.27276	0.26825	0.26896	0.26809	AVRG		0.26625		3.36180
	20 Carbon Disulfide	0.49384	0.54904	0.56180	0.59307	0.61694	0.62678	AVRG		0.57358		8.60857
	21 Methylene Chloride	48618	87944	181431	347175	713740	1450677	WLINR	-0.05968	0.20588		0.99922
	22 Acetonitrile	0.03092	0.02788	0.02439	0.02384	0.02411	0.02772	AVRG		0.02648		10.70488
	23 Acrylonitrile	0.09870	0.10798	0.10367	0.11105	0.11530	0.12745	AVRG		0.11069		9.05966
	24 Methyl tert-butyl ether	0.56636	0.61616	0.63000	0.66090	0.69097	0.71295	AVRG		0.64622		8.25127
	25 trans-1,2-Dichloroethene	0.20194	0.20921	0.20694	0.22185	0.23031	0.23524	AVRG		0.21758		6.23396
	26 Hexane	3613	10559	29118	79400	161189	331737	WLINR	0.06066	0.04900		0.99805
	27 Vinyl acetate	0.55159	0.53006	0.51179	0.50691	0.55681	0.61665	AVRG		0.54563		7.37269
	28 1,1-Dichloroethane	0.35023	0.36406	0.36073	0.37077	0.38643	0.39892	AVRG		0.37186		4.80886
	29 tert-Butyl Alcohol	0.02475	0.02441	0.02557	0.02517	0.02547	0.03009	AVRG		0.02591		8.08688
	30 2-Butanone	0.16173	0.15551	0.14863	0.15490	0.15695	0.18425	AVRG		0.16033		7.76509
M	31 1,2-Dichloroethene (total)	0.20687	0.21464	0.21197	0.22452	0.23186	0.23748	AVRG		0.22122		5.43548
	32 cis-1,2-dichloroethene	0.21180	0.22007	0.21700	0.22718	0.23341	0.23971	AVRG		0.22486		4.68188
	33 2,2-Dichloropropane	0.17483	0.19559	0.21221	0.22768	0.23927	0.23997	AVRG		0.21492		12.08220

Report Date : 12-Aug-2004 14:45

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 12-AUG-2004 08:27
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Cal Date : 12-Aug-2004 14:38 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	0.10153	0.09617	0.10208	0.10525	0.10735	0.11065	AVRG		0.10384		4.87188	
35 Chloroform	0.34687	0.33870	0.33271	0.34228	0.35759	0.36765	AVRG		0.34763		3.70989	
36 Tetrahydrofuran	0.12693	0.10626	0.10256	0.11078	0.11036	0.12122	AVRG		0.11302		8.18444	
37 1,1,1-Trichloroethane	0.20389	0.25025	0.24894	0.26800	0.28127	0.28788	AVRG		0.25671		11.80731	
38 1,1-Dichloropropene	0.21253	0.24102	0.24928	0.27335	0.28870	0.30194	AVRG		0.26114		12.67886	
39 Carbon Tetrachloride	20833	59802	154857	364849	829992	1743775	WLINR	0.05667	0.25197		0.99719	
40 1,2-Dichloroethane	0.28971	0.26384	0.27065	0.28673	0.30119	0.31594	AVRG		0.28801		6.66826	
41 Benzene	1.02234	0.97201	0.88958	0.88564	0.92775	0.95632	AVRG		0.94227		5.55245	
42 Trichloroethene	0.22427	0.23373	0.22973	0.23406	0.23853	0.24820	AVRG		0.23475		3.46966	
43 1,2-Dichloropropane	0.19809	0.20623	0.19912	0.21242	0.21443	0.22473	AVRG		0.20917		4.84124	
44 1,4-Dioxane	11952	20202	92363	183140	361515	785206	QUAD	1.16573	469	-74.45286	0.99909	<-
45 Dibromomethane	0.11833	0.12773	0.11792	0.12178	0.12882	0.13413	AVRG		0.12478		5.19613	
46 Bromodichloromethane	0.22421	0.22322	0.23481	0.24346	0.25212	0.26998	AVRG		0.24130		7.42611	
47 2-Chloroethyl vinyl ether	0.13436	0.13788	0.13366	0.14456	0.15393	0.16321	AVRG		0.14460		8.19996	
48 cis-1,3-Dichloropropene	0.29611	0.31150	0.30596	0.31482	0.33279	0.35508	AVRG		0.31938		6.65545	
49 4-Methyl-2-pentanone	0.31115	0.35476	0.31572	0.34054	0.34703	0.38493	AVRG		0.34236		7.91899	
50 Toluene	1.20334	1.17271	1.24893	1.29640	1.35680	1.43306	AVRG		1.28521		7.60652	

Report Date : 12-Aug-2004 14:45

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\P40812A-IC.b\8260LLUX10.m
Cal Date : 12-Aug-2004 14:38 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	0.35907	0.37282	0.38947	0.40946	0.43480	0.46950	AVRG		0.40585		10.12894
	52 Ethyl Methacrylate	0.39573	0.38917	0.43210	0.43534	0.47689	0.50926	AVRG		0.43975		10.56100
	53 1,1,2-Trichloroethane	0.26191	0.24599	0.24747	0.25896	0.27071	0.27860	AVRG		0.26061		4.90246
	54 1,3-Dichloropropane	0.43634	0.46416	0.45209	0.46065	0.50600	0.52943	AVRG		0.47478		7.45630
	55 Tetrachloroethene	0.19136	0.23249	0.21188	0.24231	0.25439	0.26517	AVRG		0.23293		11.77241
	56 2-Hexanone	0.30745	0.34576	0.33191	0.33389	0.34571	0.37701	AVRG		0.34029		6.69765
	57 Dibromochloromethane	0.20818	0.21115	0.22839	0.23365	0.26529	0.28046	AVRG		0.23786		12.28408
	58 1,2-Dibromoethane	0.24400	0.25531	0.25732	0.26895	0.27989	0.28846	AVRG		0.26565		6.25087
	59 Chlorobenzene	0.76520	0.80336	0.76671	0.79516	0.81995	0.85029	AVRG		0.80011		4.06186
	60 1,1,1,2-Tetrachloroethane	0.20826	0.23180	0.24148	0.26119	0.27665	0.28790	AVRG		0.25121		11.82054
	61 Ethylbenzene	0.40824	0.42721	0.42548	0.44257	0.46791	0.48067	AVRG		0.44201		6.23617
	62 m + p-Xylene	0.48682	0.51633	0.51971	0.55715	0.59488	0.62875	AVRG		0.55060		9.71534
M	63 Xylenes (total)	0.49093	0.50907	0.51896	0.55649	0.58981	0.61916	AVRG		0.54740		9.13312
	64 Xylene-o	0.49916	0.49456	0.51745	0.55517	0.57968	0.59998	AVRG		0.54100		8.11526
	65 Styrene	0.75558	0.81364	0.85233	0.90745	0.96922	1.03766	AVRG		0.88931		11.65305
	66 Bromoform	11254	31252	89117	209654	477839	1047392	QUAD	0.06454	5.18494	-0.74449	0.99976
	67 Isopropylbenzene	0.99458	1.07575	1.13810	1.24225	1.32407	1.40523	AVRG		1.19666		12.98349

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
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Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Cal Date : 12-Aug-2004 14:38 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	0.58946	0.62219	0.63428	0.64738	0.66537	0.70854	AVRG		0.64454		6.27440
69 1,4-Dichloro-2-butene	0.21494	0.22995	0.23314	0.25295	0.26922	0.29485	AVRG		0.24917		11.76997
70 1,2,3-Trichloropropane	0.26825	0.26276	0.26409	0.27230	0.26757	0.28443	AVRG		0.26990		2.91577
71 Bromobenzene	0.61745	0.64551	0.62650	0.65075	0.68046	0.68396	AVRG		0.65077		4.18585
72 n-Propylbenzene	0.62616	0.66090	0.67011	0.70337	0.71859	0.72274	AVRG		0.68364		5.52875
73 2-Chlorotoluene	0.57384	0.57944	0.60369	0.60334	0.62408	0.63720	AVRG		0.60360		4.07038
74 1,3,5-Trimethylbenzene	1.71071	1.75134	1.90828	2.02170	2.14754	2.17711	AVRG		1.95278		10.09110
75 4-Chlorotoluene	0.59067	0.59752	0.62382	0.63606	0.66905	0.67205	AVRG		0.63153		5.46487
76 tert-Butylbenzene	1.36896	1.50874	1.79455	1.74945	1.84502	1.85326	AVRG		1.68666		11.88739
77 1,2,4-Trimethylbenzene	1.72734	1.84061	1.99328	2.12087	2.17711	2.19431	AVRG		2.00892		9.52448
78 sec-Butylbenzene	1.67173	1.99293	2.13284	2.35391	2.51093	2.50747	AVRG		2.19497		14.98891
79 4-Isopropyltoluene	1.45366	1.66092	1.78777	1.98658	2.04019	2.07280	AVRG		1.83365		13.34904
80 1,3-Dichlorobenzene	1.17096	1.15076	1.20809	1.18791	1.21979	1.21611	AVRG		1.19227		2.30365
81 1,4-Dichlorobenzene	1.22258	1.21827	1.21180	1.25657	1.27454	1.26831	AVRG		1.24201		2.22411
82 n-Butylbenzene	1.23702	1.42716	1.51536	1.66168	1.74449	1.73706	AVRG		1.55379		12.85394
83 1,2-Dichlorobenzene	1.05498	1.13775	1.12059	1.13898	1.18536	1.15526	AVRG		1.13215		3.85679
84 1,2-Dibromo-3-chloropropane	0.13883	0.15261	0.15641	0.16077	0.17012	0.17785	AVRG		0.15943		8.57851

Report Date : 12-Aug-2004 14:45

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 12-AUG-2004 08:27
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Cal Date : 12-Aug-2004 14:38 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	0.57904	0.64718	0.60731	0.58227	0.60147	0.56583	AVRG		0.59718		4.82728	
86 Hexachlorobutadiene	0.16835	0.19844	0.19368	0.19942	0.20167	0.17968	AVRG		0.19021		6.99444	
87 Naphthalene	2.04242	2.16463	1.99676	2.00770	2.04939	2.09921	AVRG		2.06002		3.04254	
88 1,2,3-Trichlorobenzene	0.53292	0.56874	0.54336	0.52404	0.52753	0.51062	AVRG		0.53454		3.72427	
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	26801	92258	235593	616109	1321244	2858696	QUAD	0.06758	2.60490	-0.14922	0.99968	
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	

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 12-AUG-2004 08:27
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Cal Date : 12-Aug-2004 14:38 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	0.60440	0.67162	0.66732	0.63775	0.65571	0.63902	AVRG		0.64597		3.82479	
143 Methyl Acetate	0.24673	0.25408	0.22835	0.23009	0.23426	0.26249	AVRG		0.24267		5.74993	
144 Methylcyclohexane	24275	86186	201768	554306	1204172	2565611	QUAD	0.07595	2.83146	-0.14220	0.99941	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	0.79689	0.86774	0.89101	0.92268	0.95715	0.98771	AVRG		0.90386		7.52629	

Report Date : 12-Aug-2004 14:45

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 11-AUG-2004 16:41
End Cal Date : 12-AUG-2004 08:27
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\8260LLUX10.m
Cal Date : 12-Aug-2004 14:38 quayler

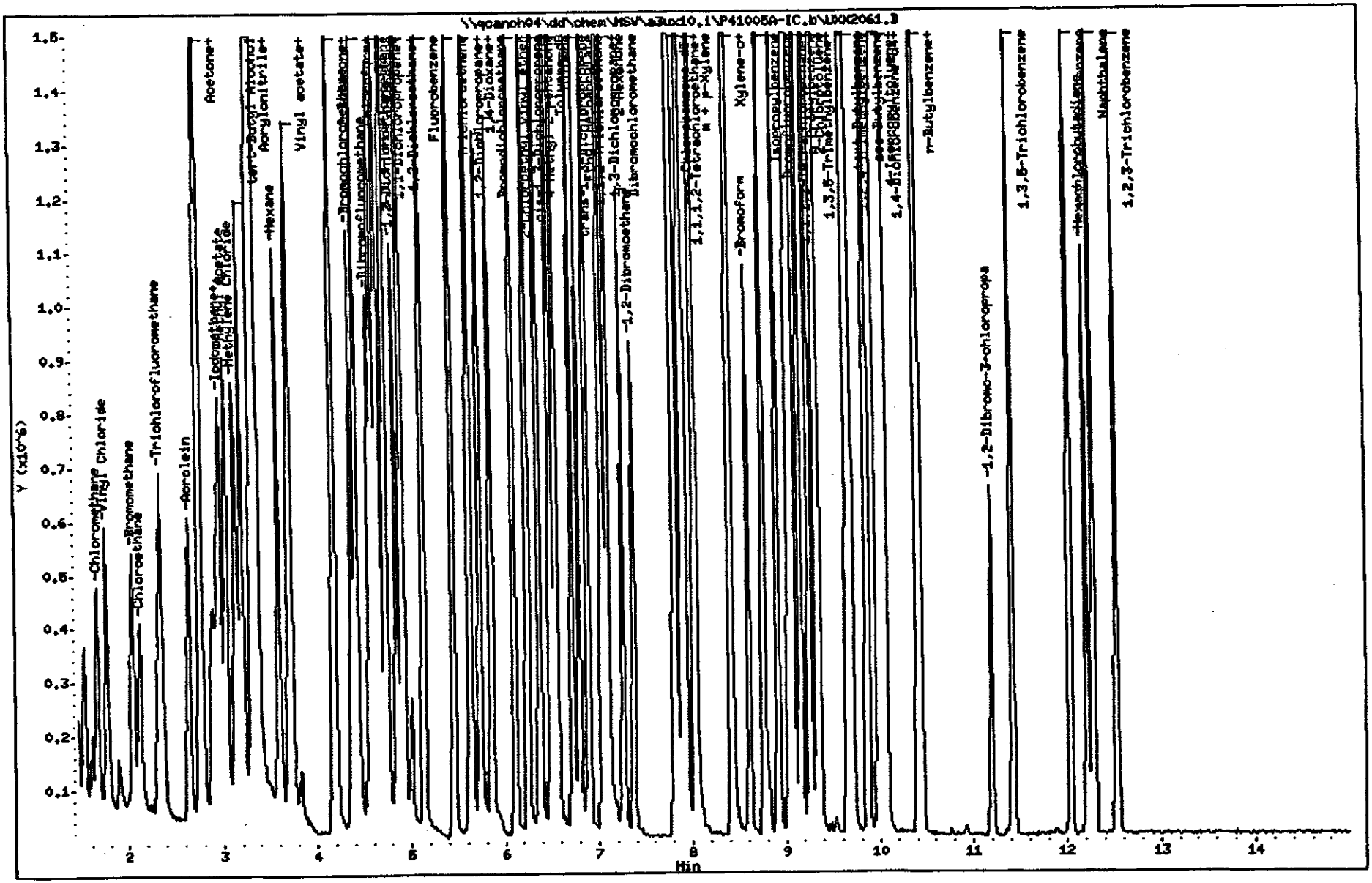
Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 4 Dibromofluoromethane	0.15682	0.15817	0.17042	0.16574	0.17487	0.18341	AVRG		0.16824		6.04465
$ 5 1,2-Dichloroethane-d4	0.20821	0.20312	0.22537	0.21626	0.23028	0.24165	AVRG		0.22081		6.52291
$ 6 Toluene-d8	0.97730	0.97259	0.99137	1.01413	1.09794	1.15314	AVRG		1.03441		7.16691
$ 7 Bromofluorobenzene	0.31561	0.33379	0.34016	0.34840	0.37821	0.38867	AVRG		0.35081		7.89177

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\HSV\a3uxi0.i\P41005A-IC.b\UXX2061.D
Date : 05-OCT-2004 14:11
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3uxi0.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2061.D
Report Date: 06-Oct-2004 08:36

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2061.D
Lab Smp Id: 100NG-IC
Inj Date : 05-OCT-2004 14:11
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 100NG-IC
Misc Info : P41005A-IC,8260LLUX10,2-8260.SUB,1904,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Meth Date : 06-Oct-2004 08:36 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	5.138	5.138	(1.000)	1692892	50.0000	
* 2 Chlorobenzene-d5	117	7.812	7.812	(1.000)	1247823	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.048	10.048	(1.000)	662726	50.0000	
$ 4 Dibromofluoromethane	113	4.558	4.558	(0.887)	661117	100.000	104.04
$ 5 1,2-Dichloroethane-d4	65	4.842	4.842	(0.942)	812205	100.000	102.62
$ 6 Toluene-d8	98	6.498	6.498	(0.832)	2696125	100.000	105.00
$ 7 Bromofluorobenzene	95	8.912	8.912	(1.141)	943702	100.000	98.031
8 Dichlorodifluoromethane	85	1.517	1.517	(0.295)	467532	100.000	146.52
9 Chloromethane	50	1.659	1.659	(0.323)	592037	100.000	84.988
10 Vinyl Chloride	62	1.754	1.754	(0.341)	668567	100.000	108.30
11 Bromomethane	94	2.037	2.037	(0.397)	464867	100.000	212.69(A)
12 Chloroethane	64	2.120	2.120	(0.413)	452381	100.000	104.92
13 Trichlorofluoromethane	101	2.333	2.333	(0.454)	846909	100.000	136.63
15 Acrolein	56	2.641	2.641	(0.514)	654115	1000.00	542.47
16 Acetone	43	2.759	2.759	(0.537)	517875	200.000	109.36
17 1,1-Dichloroethene	96	2.759	2.759	(0.537)	587171	100.000	100.66
18 Freon-113	151	2.771	2.771	(0.539)	413574	100.000	116.30

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2061.D
Report Date: 06-Oct-2004 08:36

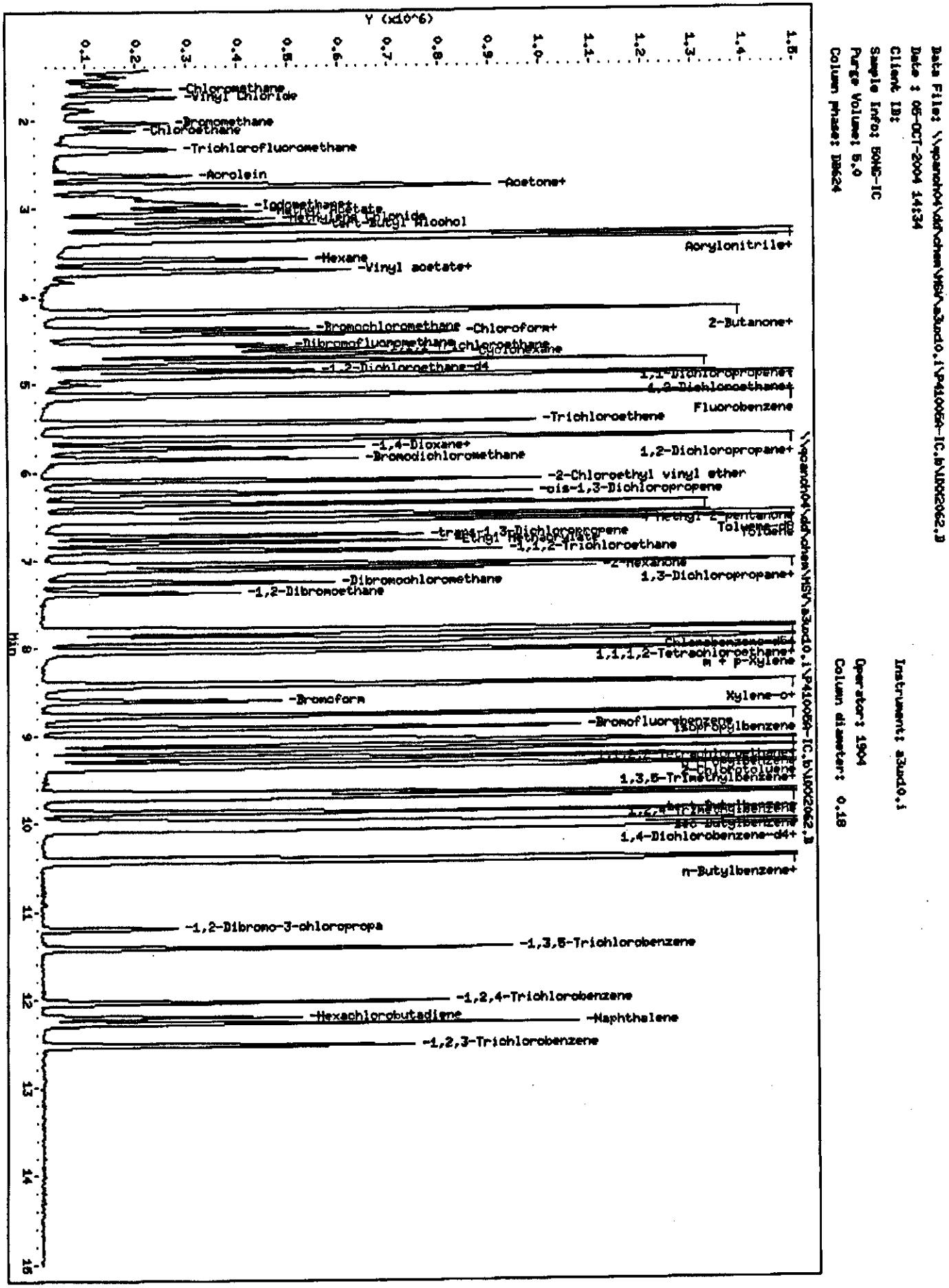
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.889	2.889	(0.562)	834542	100.000	94.302
	20 Carbon Disulfide	76	2.960	2.960	(0.576)	1610913	100.000	87.664
	21 Methylene Chloride	84	3.126	3.126	(0.609)	636597	100.000	82.074
	22 Acetonitrile	41	2.984	2.984	(0.581)	635731	1000.00	647.61
	23 Acrylonitrile	53	3.315	3.315	(0.645)	3358382	1000.00	1001.6
	24 Methyl tert-butyl ether	73	3.363	3.363	(0.655)	2034292	100.000	98.163
	25 trans-1,2-Dichloroethene	96	3.363	3.363	(0.655)	727097	100.000	97.635
	26 Hexane	86	3.588	3.588	(0.698)	116004	100.000	93.682
	27 Vinyl acetate	43	3.730	3.730	(0.726)	1347718	100.000	101.48
	28 1,1-Dichloroethane	63	3.706	3.706	(0.721)	1162648	100.000	98.173
	29 tert-Butyl Alcohol	59	3.197	3.197	(0.622)	1476657	2000.00	1660.3(A)
	30 2-Butanone	43	4.167	4.167	(0.811)	817480	200.000	152.68
M	31 1,2-Dichloroethene (total)	96				1461724	200.000	193.38
	32 cis-1,2-dichloroethene	96	4.179	4.179	(0.813)	734627	100.000	95.746
	33 2,2-Dichloropropane	77	4.179	4.179	(0.813)	689313	100.000	96.112
	34 Bromochloromethane	128	4.369	4.369	(0.850)	374143	100.000	96.654
	35 Chloroform	83	4.428	4.428	(0.862)	1202105	100.000	97.267
	36 Tetrahydrofuran	42	4.416	4.416	(0.860)	281399	100.000	90.294
	37 1,1,1-Trichloroethane	97	4.605	4.605	(0.896)	938622	100.000	100.04
	38 1,1-Dichloropropane	75	4.735	4.735	(0.922)	885996	100.000	99.846
	39 Carbon Tetrachloride	117	4.747	4.747	(0.924)	831941	100.000	108.09
	40 1,2-Dichloroethane	62	4.913	4.913	(0.956)	999815	100.000	103.72
	41 Benzene	78	4.913	4.913	(0.956)	2816330	100.000	91.859
	42 Trichloroethene	130	5.445	5.445	(1.060)	839069	100.000	102.89
	43 1,2-Dichloropropane	63	5.635	5.635	(1.097)	647193	100.000	101.91
	44 1,4-Dioxane	88	5.741	5.741	(1.117)	324498	5000.00	4508.5(A)
	45 Dibromomethane	93	5.729	5.729	(1.115)	449512	100.000	102.35
	46 Bromodichloromethane	83	5.859	5.859	(1.140)	907527	100.000	105.55
	47 2-Chloroethyl vinyl ether	63	6.096	6.096	(1.187)	976451	200.000	247.20(A)
	48 cis-1,3-Dichloropropene	75	6.250	6.250	(1.216)	1074223	100.000	111.62
	49 4-Methyl-2-pentanone	43	6.368	6.368	(1.240)	1876238	200.000	223.40(A)
	50 Toluene	91	6.558	6.558	(0.839)	3107558	100.000	100.70
	51 trans-1,3-Dichloropropene	75	6.723	6.723	(0.861)	988226	100.000	105.58
	52 Ethyl Methacrylate	69	6.794	6.794	(0.870)	1042119	100.000	115.12
	53 1,1,2-Trichloroethane	97	6.901	6.901	(0.883)	668394	100.000	102.08
	54 1,3-Dichloropropane	76	7.055	7.055	(0.903)	1162480	100.000	104.02
	55 Tetrachloroethene	164	7.055	7.055	(0.903)	605314	100.000	103.04
	56 2-Hexanone	43	7.114	7.114	(0.911)	1539964	200.000	227.58(A)
	57 Dibromochloromethane	129	7.268	7.268	(0.930)	733832	100.000	110.09
	58 1,2-Dibromoethane	107	7.374	7.374	(0.944)	709831	100.000	105.66
	59 Chlorobenzene	112	7.836	7.836	(1.003)	1986184	100.000	97.038
	60 1,1,1,2-Tetrachloroethane	131	7.907	7.907	(1.012)	716851	100.000	101.61
	61 Ethylbenzene	106	7.930	7.930	(1.015)	1084588	100.000	101.27
	62 m + p-Xylene	106	8.037	8.037	(1.029)	2761341	200.000	206.08(A)
M	63 Xylenes (total)	106				4091074	300.000	305.79
	64 Xylene-o	106	8.415	8.415	(1.077)	1329733	100.000	99.712
	65 Styrene	104	8.427	8.427	(1.079)	2279579	100.000	107.80

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2061.D
Report Date: 06-Oct-2004 08:36

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)	559645	100.000	120.71
67 Isopropylbenzene	105	8.770	8.770	(1.123)	2969344	100.000	101.68
68 1,1,2,2-Tetrachloroethane	83	9.031	9.031	(0.899)	892092	100.000	105.11
69 1,4-Dichloro-2-butene	53	9.090	9.090	(0.905)	242175	100.000	108.33
70 1,2,3-Trichloropropane	110	9.090	9.090	(0.905)	373106	100.000	101.65
71 Bromobenzene	156	9.066	9.066	(0.902)	881397	100.000	102.25
72 n-Propylbenzene	120	9.161	9.161	(0.912)	891373	100.000	101.03
73 2-Chlorotoluene	126	9.256	9.256	(0.921)	812756	100.000	97.822
74 1,3,5-Trimethylbenzene	105	9.327	9.327	(0.928)	2645085	100.000	102.03
75 4-Chlorotoluene	126	9.350	9.350	(0.931)	851700	100.000	97.819
76 tert-Butylbenzene	119	9.658	9.658	(0.961)	2149125	100.000	100.40
77 1,2,4-Trimethylbenzene	105	9.705	9.705	(0.966)	2651097	100.000	99.437
78 sec-Butylbenzene	105	9.871	9.871	(0.982)	2924427	100.000	101.10
79 4-Isopropyltoluene	119	10.013	10.013	(0.996)	2440349	100.000	100.67
80 1,3-Dichlorobenzene	146	9.989	9.989	(0.994)	1536645	100.000	95.926
81 1,4-Dichlorobenzene	146	10.072	10.072	(1.002)	1603995	100.000	93.116
82 n-Butylbenzene	91	10.415	10.415	(1.037)	1968727	100.000	101.03
83 1,2-Dichlorobenzene	146	10.439	10.439	(1.039)	1490712	100.000	96.201
84 1,2-Dibromo-3-chloropropane	157	11.196	11.196	(1.114)	210741	100.000	107.33
85 1,2,4-Trichlorobenzene	180	12.036	12.036	(1.198)	688543	100.000	94.185
86 Hexachlorobutadiene	225	12.214	12.214	(1.215)	253896	100.000	95.986
87 Naphthalene	128	12.285	12.285	(1.223)	2348239	100.000	101.38
88 1,2,3-Trichlorobenzene	180	12.533	12.533	(1.247)	627755	100.000	96.308
98 Cyclohexane	56	4.664	4.664	(0.908)	845713	100.000	93.562
143 Methyl Acetate	43	3.031	3.031	(0.590)	1257484	200.000	188.96
144 Methylcyclohexane	83	5.623	5.623	(1.094)	868896	100.000	98.844
141 1,3,5-Trichlorobenzene	180	11.421	11.421	(1.137)	811172	100.000	96.099

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 05-OCT-2004 14:34
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3uxd0.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
Acrylonitrile+
-Hexane
-Vinyl acetate+
2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane
-Cyclohexane
-1,2-Dichloroethane-d4
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
-Bromoform
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2062.D
Report Date: 06-Oct-2004 08:40

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2062.D
Lab Smp Id: 50NG-IC
Inj Date : 05-OCT-2004 14:34
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-IC
Misc Info : P41005A-IC,8260LLUX10,2-8260.SUB,1904,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Meth Date : 06-Oct-2004 08:39 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 04:31 Cal File: UXX0872.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)	1641373	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1204281	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.046	10.046	(1.000)	614885	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.567	(0.889)	310523	50.0000	49.944
$ 5 1,2-Dichloroethane-d4	65	4.851	4.851	(0.945)	400605	50.0000	51.845
$ 6 Toluene-d8	98	6.496	6.496	(0.832)	1237388	50.0000	51.325
$ 7 Bromofluorobenzene	95	8.910	8.910	(1.141)	417888	50.0000	51.801
8 Dichlorodifluoromethane	85	1.514	1.514	(0.295)	172095	50.0000	42.939
9 Chloromethane	50	1.656	1.656	(0.323)	278562	50.0000	43.504
10 Vinyl Chloride	62	1.751	1.751	(0.341)	285936	50.0000	45.988
11 Bromomethane	94	2.035	2.035	(0.396)	211075	50.0000	48.647
12 Chloroethane	64	2.118	2.118	(0.412)	187404	50.0000	45.989
13 Trichlorofluoromethane	101	2.343	2.343	(0.456)	293182	50.0000	41.541
15 Acrolein	56	2.638	2.638	(0.514)	323344	500.000	478.48
16 Acetone	43	2.769	2.769	(0.539)	250178	100.000	95.113
17 1,1-Dichloroethene	96	2.757	2.757	(0.537)	270875	50.0000	50.621
18 Freon-113	151	2.769	2.769	(0.539)	196312	50.0000	50.165

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2062.D
Report Date: 06-Oct-2004 08:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.887	2.887	(0.562)	416998	50.0000	53.052
	20 Carbon Disulfide	76	2.958	2.958	(0.576)	754380	50.0000	52.617
	21 Methylene Chloride	84	3.135	3.135	(0.611)	319200	50.0000	43.593
	22 Acetonitrile	41	2.982	2.982	(0.581)	359488	500.000	528.72
	23 Acrylonitrile	53	3.313	3.313	(0.645)	1624706	500.000	521.02
	24 Methyl tert-butyl ether	73	3.360	3.360	(0.654)	963350	50.0000	52.590
	25 trans-1,2-Dichloroethene	96	3.360	3.360	(0.654)	338361	50.0000	50.808
	26 Hexane	86	3.597	3.597	(0.700)	60373	50.0000	52.873
	27 Vinyl acetate	43	3.727	3.727	(0.726)	602201	50.0000	49.450
	28 1,1-Dichloroethane	63	3.703	3.703	(0.721)	529560	50.0000	49.672
	29 tert-Butyl Alcohol	59	3.206	3.206	(0.624)	742331	1000.00	1106.1(A)
	30 2-Butanone	43	4.177	4.177	(0.813)	371993	100.000	98.110
M	31 1,2-Dichloroethene (total)	96				694564	100.000	102.74
	32 cis-1,2-dichloroethene	96	4.177	4.177	(0.813)	356203	50.0000	51.929
	33 2,2-Dichloropropane	77	4.188	4.188	(0.816)	312316	50.0000	53.256
	34 Bromochloromethane	128	4.378	4.378	(0.853)	178807	50.0000	51.247
	35 Chloroform	83	4.437	4.437	(0.864)	578199	50.0000	51.107
	36 Tetrahydrofuran	42	4.425	4.425	(0.862)	126268	50.0000	48.855
	37 1,1,1-Trichloroethane	97	4.603	4.603	(0.896)	449587	50.0000	53.567
	38 1,1-Dichloropropene	75	4.745	4.745	(0.924)	412084	50.0000	52.417
	39 Carbon Tetrachloride	117	4.756	4.756	(0.926)	395731	50.0000	53.188
	40 1,2-Dichloroethane	62	4.910	4.910	(0.956)	486265	50.0000	51.690
	41 Benzene	78	4.910	4.910	(0.956)	1353808	50.0000	50.209
	42 Trichloroethene	130	5.455	5.455	(1.062)	387255	50.0000	52.052
	43 1,2-Dichloropropane	63	5.632	5.632	(1.097)	307651	50.0000	51.495
	44 1,4-Dioxane	88	5.739	5.739	(1.118)	126687	2500.00	2457.1(A)
	45 Dibromomethane	93	5.739	5.739	(1.118)	209043	50.0000	49.147
	46 Bromodichloromethane	83	5.857	5.857	(1.141)	430215	50.0000	52.284
	47 2-Chloroethyl vinyl ether	63	6.105	6.105	(1.189)	436145	100.000	103.24
	48 cis-1,3-Dichloropropene	75	6.247	6.247	(1.217)	486599	50.0000	53.566
	49 4-Methyl-2-pentanone	43	6.366	6.366	(1.240)	892208	100.000	103.96
	50 Toluene	91	6.555	6.555	(0.839)	1446417	50.0000	52.354
	51 trans-1,3-Dichloropropene	75	6.733	6.733	(0.862)	434909	50.0000	52.598
	52 Ethyl Methacrylate	69	6.804	6.804	(0.871)	461447	50.0000	54.701
	53 1,1,2-Trichloroethane	97	6.898	6.898	(0.883)	313517	50.0000	51.214
	54 1,3-Dichloropropane	76	7.052	7.052	(0.903)	545324	50.0000	51.084
	55 Tetrachloroethene	164	7.052	7.052	(0.903)	287256	50.0000	53.136
	56 2-Hexanone	43	7.111	7.111	(0.911)	732070	100.000	106.47
	57 Dibromochloromethane	129	7.265	7.265	(0.930)	339428	50.0000	52.382
	58 1,2-Dibromoethane	107	7.371	7.371	(0.944)	321708	50.0000	51.070
	59 Chlorobenzene	112	7.833	7.833	(1.003)	962522	50.0000	51.510
	60 1,1,1,2-Tetrachloroethane	131	7.904	7.904	(1.012)	335881	50.0000	52.414
	61 Ethylbenzene	106	7.928	7.928	(1.015)	499749	50.0000	52.476
	62 m + p-Xylene	106	8.034	8.034	(1.029)	1284818	100.000	107.17
M	63 Xylenes (total)	106				1898659	150.000	161.25
	64 Xylene-o	106	8.413	8.413	(1.077)	613841	50.0000	54.075
	65 Styrene	104	8.425	8.425	(1.079)	1004840	50.0000	53.733

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2062.D
Report Date: 06-Oct-2004 08:40

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)	248855	50.0000	51.850
67 Isopropylbenzene	105	8.768	8.768	(1.123)	1339302	50.0000	54.345
68 1,1,2,2-Tetrachloroethane	83	9.040	9.040	(0.900)	410206	50.0000	51.466
69 1,4-Dichloro-2-butene	53	9.087	9.087	(0.905)	101307	50.0000	51.124
70 1,2,3-Trichloropropane	110	9.087	9.087	(0.905)	171564	50.0000	51.932
71 Bromobenzene	156	9.064	9.064	(0.902)	398222	50.0000	52.658
72 n-Propylbenzene	120	9.158	9.158	(0.912)	399911	50.0000	54.255
73 2-Chlorotoluene	126	9.253	9.253	(0.921)	386420	50.0000	54.167
74 1,3,5-Trimethylbenzene	105	9.336	9.336	(0.929)	1159205	50.0000	53.684
75 4-Chlorotoluene	126	9.359	9.359	(0.932)	404991	50.0000	54.035
76 tert-Butylbenzene	119	9.655	9.655	(0.961)	984556	50.0000	54.685
77 1,2,4-Trimethylbenzene	105	9.703	9.703	(0.966)	1210836	50.0000	55.760
78 sec-Butylbenzene	105	9.868	9.868	(0.982)	1285555	50.0000	54.560
79 4-Isopropyltoluene	119	10.010	10.010	(0.996)	1105147	50.0000	54.872
80 1,3-Dichlorobenzene	146	9.987	9.987	(0.994)	724743	50.0000	51.299
81 1,4-Dichlorobenzene	146	10.069	10.069	(1.002)	782306	50.0000	50.932
82 n-Butylbenzene	91	10.413	10.413	(1.037)	871931	50.0000	53.502
83 1,2-Dichlorobenzene	146	10.436	10.436	(1.039)	681348	50.0000	51.611
84 1,2-Dibromo-3-chloropropane	157	11.205	11.205	(1.115)	95514	50.0000	49.294
85 1,2,4-Trichlorobenzene	180	12.034	12.034	(1.198)	312794	50.0000	51.767
86 Hexachlorobutadiene	225	12.211	12.211	(1.216)	114809	50.0000	51.163
87 Naphthalene	128	12.282	12.282	(1.223)	1017747	50.0000	53.796
88 1,2,3-Trichlorobenzene	180	12.531	12.531	(1.247)	291043	50.0000	49.649
98 Cyclohexane	56	4.662	4.662	(0.908)	425924	50.0000	54.592
143 Methyl Acetate	43	3.041	3.041	(0.592)	602171	100.000	100.42
144 Methylcyclohexane	83	5.632	5.632	(1.097)	406444	50.0000	54.091
141 1,3,5-Trichlorobenzene	180	11.418	11.418	(1.137)	369782	50.0000	50.633

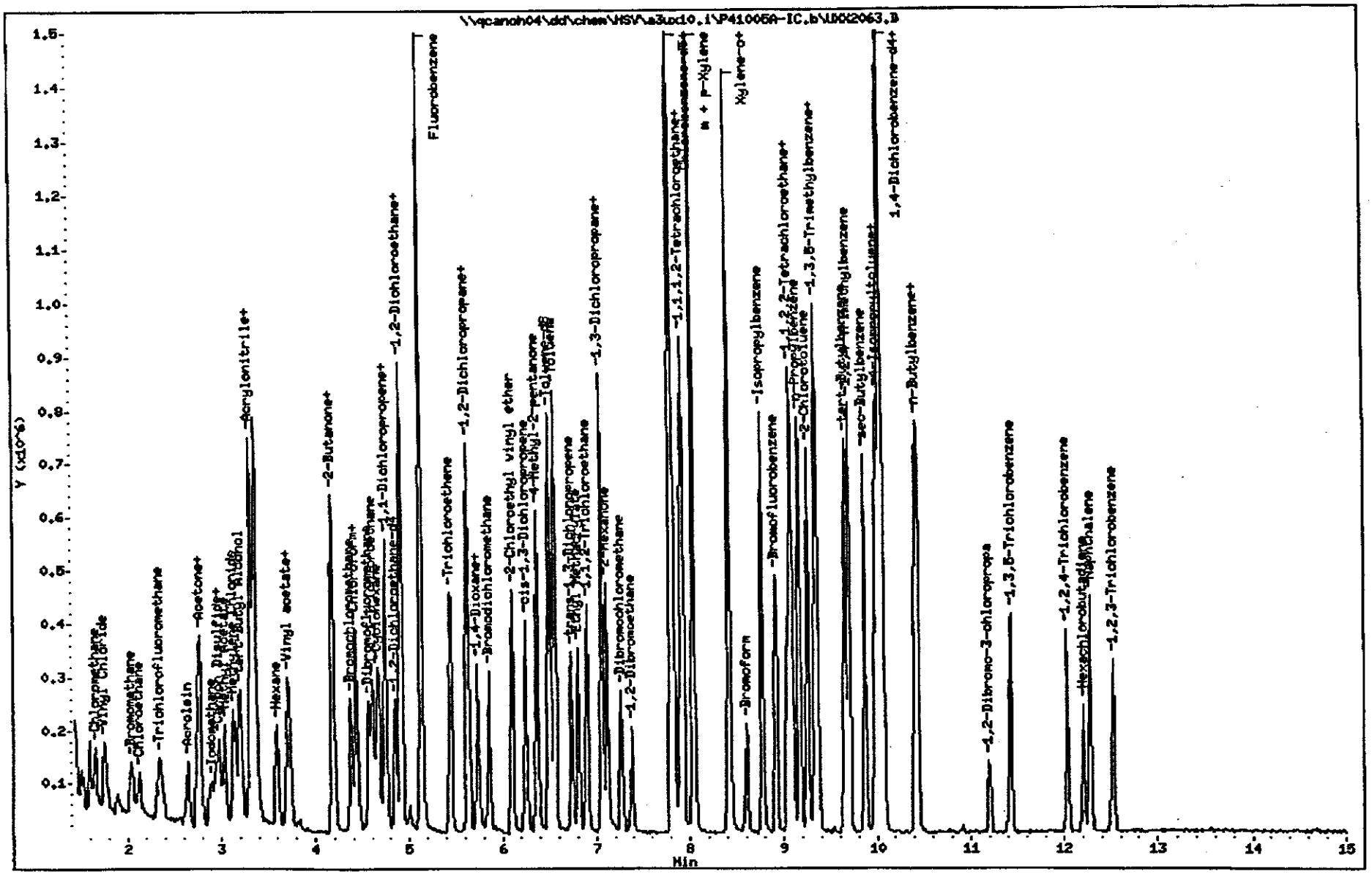
QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P41005A-IC.b\UXX2063.D
Date : 05-OCT-2004 14:57
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: BB624

Instrument: a3ux10.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2063.D
Report Date: 06-Oct-2004 08:37

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2063.D
Lab Smp Id: 25NG-IC
Inj Date : 05-OCT-2004 14:57
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 25NG-IC
Misc Info : P41005A-IC,8260LLUX10,2-8260.SUB,1904,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Meth Date : 06-Oct-2004 08:37 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	5.134	5.134	(1.000)	1580369	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1142040	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	596862	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.566	(0.889)	150289	25.0000	25.001
$ 5 1,2-Dichloroethane-d4	65	4.850	4.850	(0.945)	186625	25.0000	25.178
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	588585	25.0000	24.839
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	197116	25.0000	22.753
8 Dichlorodifluoromethane	85	1.514	1.514	(0.295)	93957	25.0000	29.640
9 Chloromethane	50	1.656	1.656	(0.323)	154726	25.0000	24.179
10 Vinyl Chloride	62	1.750	1.750	(0.341)	151401	25.0000	25.893
11 Bromomethane	94	2.034	2.034	(0.396)	94513	25.0000	39.240
12 Chloroethane	64	2.117	2.117	(0.412)	87090	25.0000	21.980
13 Trichlorofluoromethane	101	2.342	2.342	(0.456)	155094	25.0000	25.764
15 Acrolein	56	2.638	2.638	(0.514)	145748	250.000	140.92
16 Acetone	43	2.768	2.768	(0.539)	120346	50.0000	29.302
17 1,1-Dichloroethene	96	2.756	2.756	(0.537)	118248	25.0000	21.800
18 Freon-113	151	2.768	2.768	(0.539)	76928	25.0000	22.978

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2063.D
Report Date: 06-Oct-2004 08:37

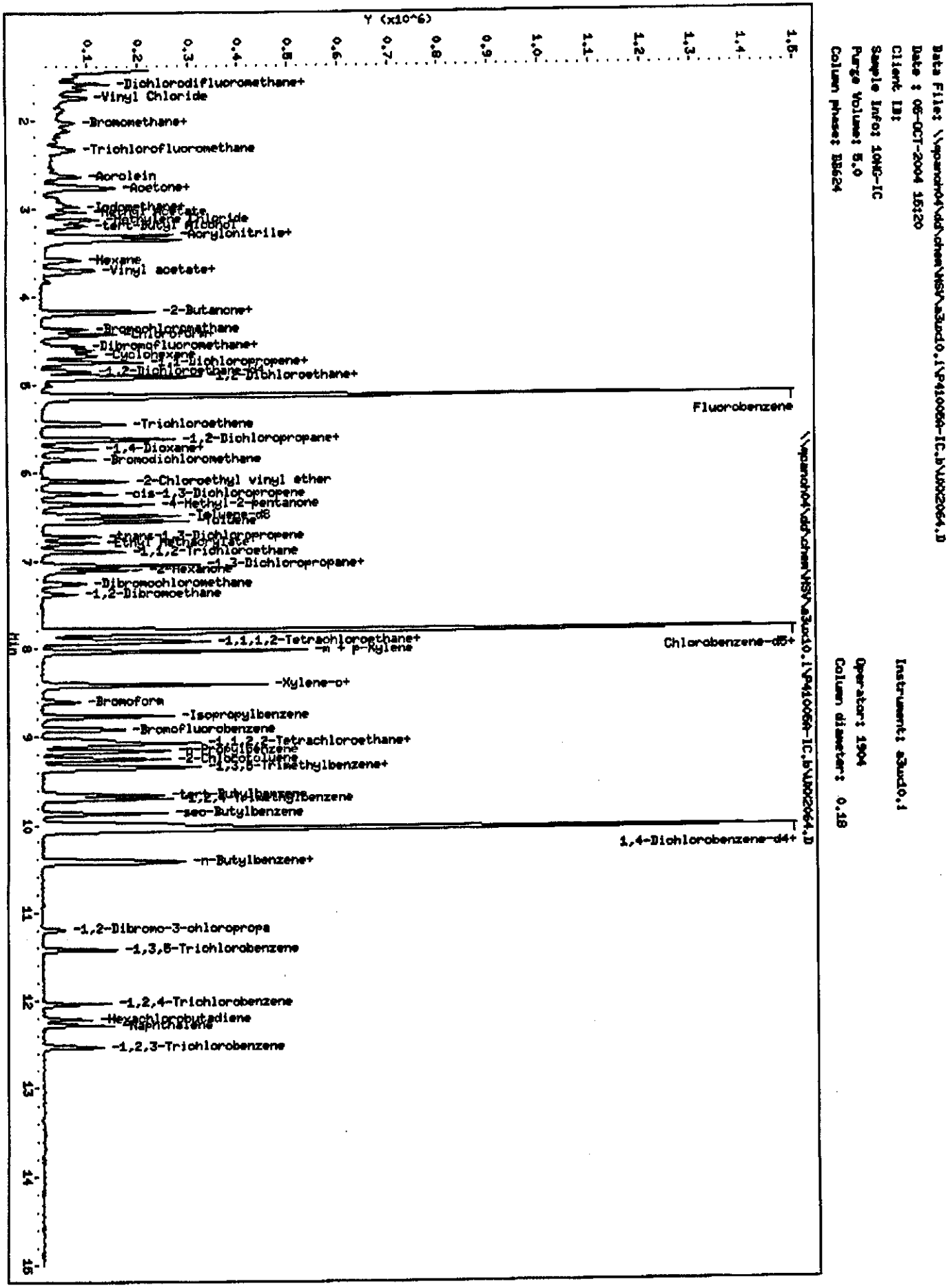
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.886	2.886	(0.562)	189815	25.0000	23.305
	20 Carbon Disulfide	76	2.957	2.957	(0.576)	327826	25.0000	19.890
	21 Methylene Chloride	84	3.135	3.135	(0.611)	162416	25.0000	22.824
	22 Acetonitrile	41	2.981	2.981	(0.581)	170120	250.000	192.69
	23 Acrylonitrile	53	3.312	3.312	(0.645)	733420	250.000	236.75
	24 Methyl tert-butyl ether	73	3.359	3.359	(0.654)	443451	25.0000	23.272
	25 trans-1,2-Dichloroethene	96	3.359	3.359	(0.654)	152976	25.0000	22.482
	26 Hexane	86	3.596	3.596	(0.700)	20365	25.0000	18.064
	27 Vinyl acetate	43	3.726	3.726	(0.726)	289385	25.0000	23.417
	28 1,1-Dichloroethane	63	3.703	3.703	(0.721)	248650	25.0000	22.982
	29 tert-Butyl Alcohol	59	3.206	3.206	(0.624)	354064	500.000	436.26
	30 2-Butanone	43	4.176	4.176	(0.813)	184245	50.0000	38.744
M	31 1,2-Dichloroethene (total)	96				320643	50.0000	46.178
	32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	167667	25.0000	23.696
	33 2,2-Dichloropropane	77	4.188	4.188	(0.816)	134779	25.0000	20.840
	34 Bromochloromethane	128	4.377	4.377	(0.853)	83273	25.0000	23.358
	35 Chloroform	83	4.436	4.436	(0.864)	264747	25.0000	23.234
	36 Tetrahydrofuran	42	4.424	4.424	(0.862)	56774	25.0000	20.214
	37 1,1,1-Trichloroethane	97	4.602	4.602	(0.896)	190284	25.0000	22.087
	38 1,1-Dichloropropene	75	4.744	4.744	(0.924)	178449	25.0000	21.997
	39 Carbon Tetrachloride	117	4.756	4.756	(0.926)	161768	25.0000	22.675
	40 1,2-Dichloroethane	62	4.910	4.910	(0.956)	230415	25.0000	25.458
	41 Benzene	78	4.910	4.910	(0.956)	641517	25.0000	22.733
	42 Trichloroethene	130	5.454	5.454	(1.062)	170780	25.0000	22.666
	43 1,2-Dichloropropane	63	5.631	5.631	(1.097)	140665	25.0000	23.941
	44 1,4-Dioxane	88	5.738	5.738	(1.118)	68068	1250.00	1064.0(A)
	45 Dibromomethane	93	5.726	5.726	(1.115)	101197	25.0000	24.924
	46 Bromodichloromethane	83	5.856	5.856	(1.141)	192909	25.0000	24.166
	47 2-Chloroethyl vinyl ether	63	6.105	6.105	(1.189)	197323	50.0000	52.765
	48 cis-1,3-Dichloropropene	75	6.247	6.247	(1.217)	207313	25.0000	23.349
	49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	416433	50.0000	52.567
	50 Toluene	91	6.554	6.554	(0.839)	650040	25.0000	23.259
	51 trans-1,3-Dichloropropene	75	6.732	6.732	(0.862)	199858	25.0000	23.886
	52 Ethyl Methacrylate	69	6.803	6.803	(0.871)	194033	25.0000	23.750
	53 1,1,2-Trichloroethane	97	6.897	6.897	(0.883)	146605	25.0000	24.427
	54 1,3-Dichloropropane	76	7.051	7.051	(0.903)	251657	25.0000	24.706
	55 Tetrachloroethene	164	7.063	7.063	(0.905)	114369	25.0000	21.630
	56 2-Hexanone	43	7.110	7.110	(0.911)	303373	50.0000	49.177
	57 Dibromochloromethane	129	7.264	7.264	(0.930)	151539	25.0000	24.819
	58 1,2-Dibromoethane	107	7.383	7.383	(0.945)	151014	25.0000	24.519
	59 Chlorobenzene	112	7.832	7.832	(1.003)	441404	25.0000	23.806
	60 1,1,1,2-Tetrachloroethane	131	7.903	7.903	(1.012)	153962	25.0000	24.129
	61 Ethylbenzene	106	7.927	7.927	(1.015)	224012	25.0000	23.162
	62 m + p-Xylene	106	8.033	8.033	(1.029)	564303	50.0000	46.590
M	63 Xylenes (total)	106				839932	75.0000	69.532
	64 Xylene-o	106	8.412	8.412	(1.077)	275629	25.0000	22.942
	65 Styrene	104	8.424	8.424	(1.079)	439999	25.0000	23.083

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2063.D
Report Date: 06-Oct-2004 08:37

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)	116454	25.0000	26.698
67 Isopropylbenzene	105	8.767	8.767	(1.123)	561291	25.0000	21.561
68 1,1,2,2-Tetrachloroethane	83	9.039	9.039	(0.900)	193619	25.0000	25.283
69 1,4-Dichloro-2-butene	53	9.087	9.087	(0.905)	49597	25.0000	24.629
70 1,2,3-Trichloropropane	110	9.087	9.087	(0.905)	78890	25.0000	24.028
71 Bromobenzene	156	9.075	9.075	(0.903)	185118	25.0000	24.050
72 n-Propylbenzene	120	9.169	9.169	(0.913)	179144	25.0000	22.997
73 2-Chlorotoluene	126	9.252	9.252	(0.921)	167195	25.0000	22.769
74 1,3,5-Trimethylbenzene	105	9.335	9.335	(0.929)	508119	25.0000	22.285
75 4-Chlorotoluene	126	9.359	9.359	(0.932)	181067	25.0000	23.588
76 tert-Butylbenzene	119	9.655	9.655	(0.961)	421903	25.0000	22.450
77 1,2,4-Trimethylbenzene	105	9.702	9.702	(0.966)	519358	25.0000	22.252
78 sec-Butylbenzene	105	9.868	9.868	(0.982)	524080	25.0000	20.819
79 4-Isopropyltoluene	119	10.010	10.010	(0.996)	456197	25.0000	21.489
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	339700	25.0000	23.915
81 1,4-Dichlorobenzene	146	10.069	10.069	(1.002)	370065	25.0000	24.166
82 n-Butylbenzene	91	10.412	10.412	(1.037)	357782	25.0000	21.011
83 1,2-Dichlorobenzene	146	10.435	10.435	(1.039)	318757	25.0000	23.250
84 1,2-Dibromo-3-chloropropane	157	11.205	11.205	(1.115)	45569	25.0000	25.246
85 1,2,4-Trichlorobenzene	180	12.033	12.033	(1.198)	146759	25.0000	22.844
86 Hexachlorobutadiene	225	12.210	12.210	(1.216)	50241	25.0000	21.546
87 Naphthalene	128	12.281	12.281	(1.223)	424144	25.0000	20.976
88 1,2,3-Trichlorobenzene	180	12.530	12.530	(1.247)	132928	25.0000	23.162
98 Cyclohexane	56	4.673	4.673	(0.910)	152228	25.0000	18.644
143 Methyl Acetate	43	3.040	3.040	(0.592)	290304	50.0000	46.993
144 Methylcyclohexane	83	5.631	5.631	(1.097)	138146	25.0000	17.433
141 1,3,5-Trichlorobenzene	180	11.429	11.429	(1.138)	176777	25.0000	23.559

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 06-OCT-2004 15:20
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
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane+
-Trichlorofluoromethane
-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
\\mpanch04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2064.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2064.D
Report Date: 06-Oct-2004 08:38

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2064.D
Lab Smp Id: 10NG-IC
Inj Date : 05-OCT-2004 15:20
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 10NG-IC
Misc Info : P41005A-IC,8260LLUX10,2-8260.SUB,1904,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Meth Date : 06-Oct-2004 08:38 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	5.135	5.135	(1.000)	1525329	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1106408	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	557495	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.567	(0.889)	54220	10.0000	9.449
$ 5 1,2-Dichloroethane-d4	65	4.851	4.851	(0.945)	70196	10.0000	9.906
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	205197	10.0000	9.046
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	63322	10.0000	7.927
8 Dichlorodifluoromethane	85	1.514	1.514	(0.295)	38967	10.0000	11.871
9 Chloromethane	50	1.656	1.656	(0.323)	68655	10.0000	11.130
10 Vinyl Chloride	62	1.751	1.751	(0.341)	63858	10.0000	11.152
11 Bromomethane	94	2.035	2.035	(0.396)	37113	10.0000	13.795
12 Chloroethane	64	2.117	2.117	(0.412)	33621	10.0000	8.866
13 Trichlorofluoromethane	101	2.330	2.330	(0.454)	61039	10.0000	10.160
15 Acrolein	56	2.638	2.638	(0.514)	71653	100.000	77.930
16 Acetone	43	2.768	2.768	(0.539)	52497	20.0000	14.775
17 1,1-Dichloroethene	96	2.756	2.756	(0.537)	40714	10.0000	8.077
18 Freon-113	151	2.780	2.780	(0.541)	27868	10.0000	8.870

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2064.D
Report Date: 06-Oct-2004 08:38

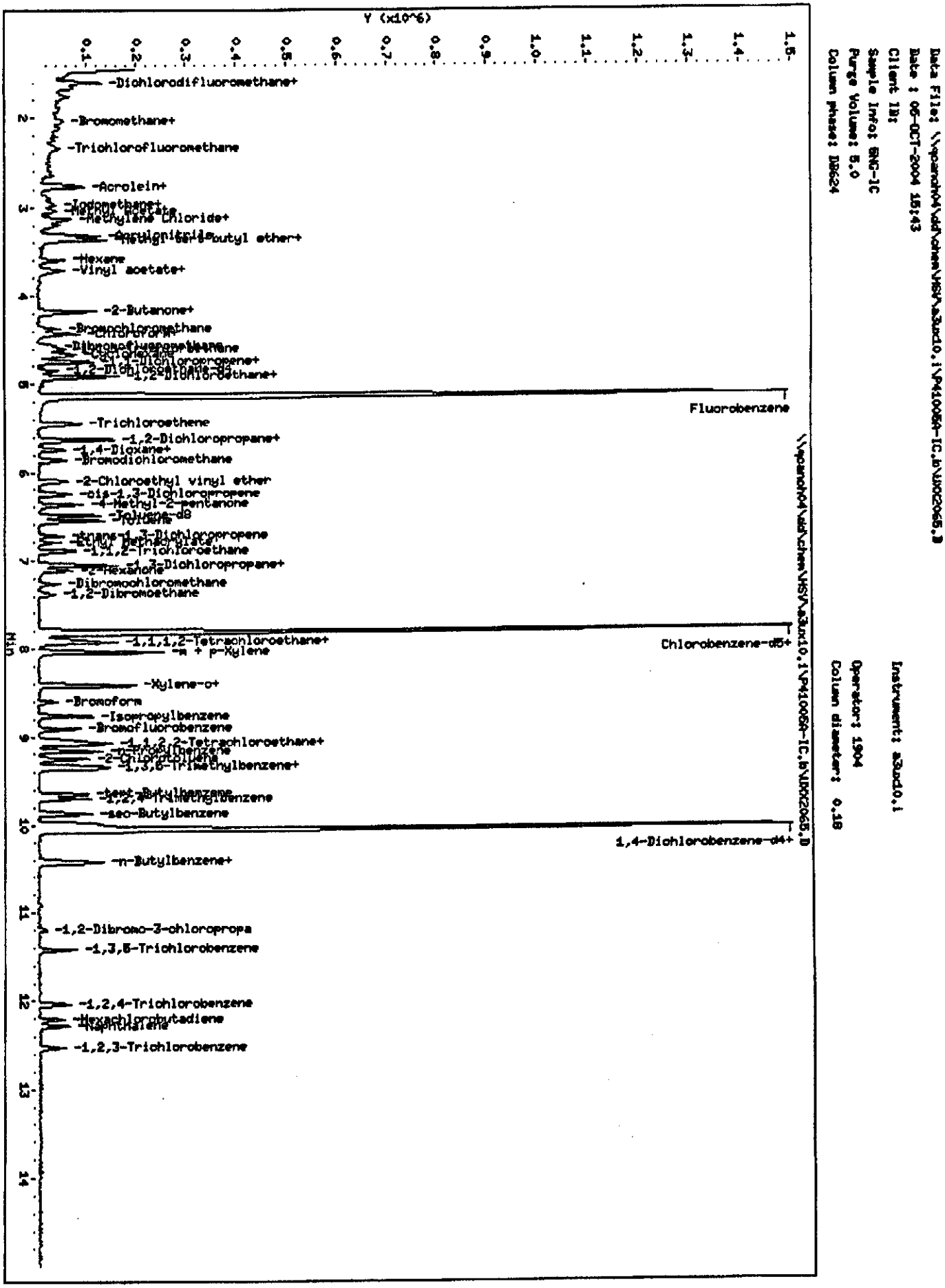
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.898	2.898	(0.564)	69151	10.0000	9.090
	20 Carbon Disulfide	76	2.969	2.969	(0.578)	119783	10.0000	7.948
	21 Methylene Chloride	84	3.135	3.135	(0.611)	78112	10.0000	11.365
	22 Acetonitrile	41	2.981	2.981	(0.581)	76528	100.000	94.342
	23 Acrylonitrile	53	3.324	3.324	(0.647)	281987	100.000	95.306
	24 Methyl tert-butyl ether	73	3.360	3.360	(0.654)	153286	10.0000	8.600
	25 trans-1,2-Dichloroethene	96	3.360	3.360	(0.654)	54988	10.0000	8.714
	26 Hexane	86	3.596	3.596	(0.700)	8409	10.0000	8.159
	27 Vinyl acetate	43	3.727	3.727	(0.726)	107643	10.0000	9.151
	28 1,1-Dichloroethane	63	3.703	3.703	(0.721)	94039	10.0000	9.252
	29 tert-Butyl Alcohol	59	3.206	3.206	(0.624)	108915	200.000	148.85
	30 2-Butanone	43	4.176	4.176	(0.813)	71701	20.0000	16.732
M	31 1,2-Dichloroethene (total)	96				111452	20.0000	17.285
	32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	56464	10.0000	8.571
	33 2,2-Dichloropropane	77	4.188	4.188	(0.816)	45355	10.0000	7.635
	34 Bromochloromethane	128	4.377	4.377	(0.853)	31230	10.0000	9.187
	35 Chloroform	83	4.437	4.437	(0.864)	100900	10.0000	9.376
	36 Tetrahydrofuran	42	4.425	4.425	(0.862)	22471	10.0000	8.746
	37 1,1,1-Trichloroethane	97	4.602	4.602	(0.896)	69681	10.0000	8.706
	38 1,1-Dichloropropene	75	4.744	4.744	(0.924)	62499	10.0000	8.259
	39 Carbon Tetrachloride	117	4.756	4.756	(0.926)	57466	10.0000	8.529
	40 1,2-Dichloroethane	62	4.910	4.910	(0.956)	79826	10.0000	9.283
	41 Benzene	78	4.910	4.910	(0.956)	226068	10.0000	8.646
	42 Trichloroethene	130	5.454	5.454	(1.062)	63126	10.0000	8.862
	43 1,2-Dichloropropane	63	5.632	5.632	(1.097)	50644	10.0000	9.141
	44 1,4-Dioxane	88	5.750	5.750	(1.120)	19409	500.000	338.34(A)
	45 Dibromomethane	93	5.738	5.738	(1.118)	39903	10.0000	10.243
	46 Bromodichloromethane	83	5.857	5.857	(1.141)	68207	10.0000	8.917
	47 2-Chloroethyl vinyl ether	63	6.105	6.105	(1.189)	69633	20.0000	18.908
	48 cis-1,3-Dichloropropene	75	6.247	6.247	(1.217)	72701	10.0000	8.651
	49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	148971	20.0000	19.403
	50 Toluene	91	6.555	6.555	(0.839)	226409	10.0000	8.538
	51 trans-1,3-Dichloropropene	75	6.732	6.732	(0.862)	67093	10.0000	8.374
	52 Ethyl Methacrylate	69	6.803	6.803	(0.871)	61727	10.0000	7.976
	53 1,1,2-Trichloroethane	97	6.898	6.898	(0.883)	53310	10.0000	9.345
	54 1,3-Dichloropropane	76	7.052	7.052	(0.903)	92459	10.0000	9.471
	55 Tetrachloroethene	164	7.052	7.052	(0.903)	44709	10.0000	8.848
	56 2-Hexanone	43	7.111	7.111	(0.911)	138778	20.0000	22.544
	57 Dibromochloromethane	129	7.265	7.265	(0.930)	53018	10.0000	9.088
	58 1,2-Dibromoethane	107	7.383	7.383	(0.945)	54744	10.0000	9.258
	59 Chlorobenzene	112	7.833	7.833	(1.003)	166496	10.0000	9.474
	60 1,1,1,2-Tetrachloroethane	131	7.904	7.904	(1.012)	52964	10.0000	8.710
	61 Ethylbenzene	106	7.927	7.927	(1.015)	76259	10.0000	8.381
	62 m + p-Xylene	106	8.046	8.046	(1.030)	192784	20.0000	16.917
M	63 Xylenes (total)	106				280024	30.0000	24.742
	64 Xylene-o	106	8.412	8.412	(1.077)	87240	10.0000	7.825
	65 Styrene	104	8.424	8.424	(1.079)	137006	10.0000	7.675

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2064.D
Report Date: 06-Oct-2004 08:38

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)	38860	10.0000	9.116
67 Isopropylbenzene	105	8.767	8.767	(1.123)	183802	10.0000	7.606
68 1,1,2,2-Tetrachloroethane	83	9.040	9.040	(0.900)	67074	10.0000	9.479
69 1,4-Dichloro-2-butene	53	9.087	9.087	(0.905)	13355	10.0000	7.377
70 1,2,3-Trichloropropane	110	9.087	9.087	(0.905)	28704	10.0000	9.549
71 Bromobenzene	156	9.063	9.063	(0.902)	61771	10.0000	8.785
72 n-Propylbenzene	120	9.170	9.170	(0.913)	52797	10.0000	7.551
73 2-Chlorotoluene	126	9.253	9.253	(0.921)	57496	10.0000	8.609
74 1,3,5-Trimethylbenzene	105	9.335	9.335	(0.929)	163353	10.0000	7.972
75 4-Chlorotoluene	126	9.359	9.359	(0.932)	63077	10.0000	8.998
76 tert-Butylbenzene	119	9.655	9.655	(0.961)	138924	10.0000	8.094
77 1,2,4-Trimethylbenzene	105	9.702	9.702	(0.966)	169384	10.0000	8.059
78 sec-Butylbenzene	105	9.868	9.868	(0.982)	181072	10.0000	7.982
79 4-Isopropyltoluene	119	10.010	10.010	(0.996)	156179	10.0000	8.180
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	123300	10.0000	9.495
81 1,4-Dichlorobenzene	146	10.069	10.069	(1.002)	141392	10.0000	9.995
82 n-Butylbenzene	91	10.412	10.412	(1.037)	125481	10.0000	8.139
83 1,2-Dichlorobenzene	146	10.436	10.436	(1.039)	111852	10.0000	9.005
84 1,2-Dibromo-3-chloropropane	157	11.193	11.193	(1.114)	18176	10.0000	10.586
85 1,2,4-Trichlorobenzene	180	12.033	12.033	(1.198)	47041	10.0000	8.239
86 Hexachlorobutadiene	225	12.211	12.211	(1.216)	19812	10.0000	9.388
87 Naphthalene	128	12.282	12.282	(1.223)	134846	10.0000	7.518
88 1,2,3-Trichlorobenzene	180	12.530	12.530	(1.247)	50481	10.0000	9.691
98 Cyclohexane	56	4.673	4.673	(0.910)	57772	10.0000	7.822
143 Methyl Acetate	43	3.040	3.040	(0.592)	114704	20.0000	19.597
144 Methylcyclohexane	83	5.632	5.632	(1.097)	54461	10.0000	7.500
141 1,3,5-Trichlorobenzene	180	11.430	11.430	(1.138)	59557	10.0000	8.792

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 05-OCT-2004 15:43
Client ID:
Sample Info: 5NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Iodomethane+
-Methyl acetate
-Methylene Chloride+
-Acrylonitrile
-Methyl tert-butyl ether+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,2-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\P41005A-IC.b\UXX2065.D
Report Date: 06-Oct-2004 08:38

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2065.D
Lab Smp Id: 5NG-IC
Inj Date : 05-OCT-2004 15:43
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 5NG-IC
Misc Info : P41005A-IC,8260LLUX10,2-8260.SUB,1904,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Meth Date : 06-Oct-2004 08:38 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	5.138	5.138	(1.000)	1485107	50.0000	
* 2 Chlorobenzene-d5	117	7.812	7.812	(1.000)	1095241	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.048	10.048	(1.000)	518513	50.0000	
$ 4 Dibromofluoromethane	113	4.558	4.558	(0.887)	26789	5.00000	4.816
$ 5 1,2-Dichloroethane-d4	65	4.842	4.842	(0.942)	30825	5.00000	4.544
$ 6 Toluene-d8	98	6.499	6.499	(0.832)	88637	5.00000	4.061
$ 7 Bromofluorobenzene	95	8.913	8.913	(1.141)	28682	5.00000	3.813
8 Dichlorodifluoromethane	85	1.505	1.505	(0.293)	18927	5.00000	5.450
9 Chloromethane	50	1.659	1.659	(0.323)	36358	5.00000	5.872
10 Vinyl Chloride	62	1.754	1.754	(0.341)	29762	5.00000	5.182
11 Bromomethane	94	2.038	2.038	(0.397)	18344	5.00000	6.200
12 Chloroethane	64	2.121	2.121	(0.413)	17340	5.00000	4.758
13 Trichlorofluoromethane	101	2.345	2.345	(0.457)	25586	5.00000	4.249
15 Acrolein	56	2.641	2.641	(0.514)	24883	50.0000	31.282
16 Acetone	43	2.771	2.771	(0.539)	24790	10.0000	8.373
17 1,1-Dichloroethene	96	2.771	2.771	(0.539)	22956	5.00000	4.744
18 Freon-113	151	2.771	2.771	(0.539)	19837	5.00000	6.093

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2065.D
Report Date: 06-Oct-2004 08:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.901	2.901	(0.565)	33570	5.00000	4.655
	20 Carbon Disulfide	76	2.972	2.972	(0.579)	60105	5.00000	4.286
	21 Methylene Chloride	84	3.138	3.138	(0.611)	46188	5.00000	6.770
	22 Acetonitrile	41	2.996	2.996	(0.583)	27929	50.0000	39.017
	23 Acrylonitrile	53	3.316	3.316	(0.645)	122354	50.0000	43.318
	24 Methyl tert-butyl ether	73	3.363	3.363	(0.655)	68621	5.00000	4.079
	25 trans-1,2-Dichloroethene	96	3.363	3.363	(0.655)	30695	5.00000	4.992
	26 Hexane	86	3.588	3.588	(0.698)	6214	5.00000	6.156
	27 Vinyl acetate	43	3.730	3.730	(0.726)	45687	5.00000	4.065
	28 1,1-Dichloroethane	63	3.706	3.706	(0.721)	46972	5.00000	4.779
	29 tert-Butyl Alcohol	59	3.197	3.197	(0.622)	48286	100.000	73.098
	30 2-Butanone	43	4.179	4.179	(0.813)	30130	10.0000	7.795
M	31 1,2-Dichloroethene (total)	96				59763	10.0000	9.586
	32 cis-1,2-dichloroethene	96	4.179	4.179	(0.813)	29068	5.00000	4.594
	33 2,2-Dichloropropane	77	4.191	4.191	(0.816)	23703	5.00000	4.293
	34 Bromochloromethane	128	4.381	4.381	(0.853)	14469	5.00000	4.522
	35 Chloroform	83	4.428	4.428	(0.862)	50134	5.00000	4.842
	36 Tetrahydrofuran	42	4.428	4.428	(0.862)	12130	5.00000	5.098
	37 1,1,1-Trichloroethane	97	4.605	4.605	(0.896)	34892	5.00000	4.524
	38 1,1-Dichloropropene	75	4.747	4.747	(0.924)	32319	5.00000	4.548
	39 Carbon Tetrachloride	117	4.747	4.747	(0.924)	33433	5.00000	5.021
	40 1,2-Dichloroethane	62	4.913	4.913	(0.956)	40729	5.00000	4.905
	41 Benzene	78	4.913	4.913	(0.956)	127640	5.00000	5.215
	42 Trichloroethene	130	5.446	5.446	(1.060)	30290	5.00000	4.513
	43 1,2-Dichloropropane	63	5.635	5.635	(1.097)	25281	5.00000	4.734
	44 1,4-Dioxane	88	5.741	5.741	(1.117)	8081	250.000	154.31
	45 Dibromomethane	93	5.730	5.730	(1.115)	18199	5.00000	4.765
	46 Bromodichloromethane	83	5.860	5.860	(1.140)	34668	5.00000	4.710
	47 2-Chloroethyl vinyl ether	63	6.108	6.108	(1.189)	28696	10.0000	7.969
	48 cis-1,3-Dichloropropene	75	6.250	6.250	(1.216)	32419	5.00000	3.995
	49 4-Methyl-2-pentanone	43	6.368	6.368	(1.239)	65344	10.0000	8.764
	50 Toluene	91	6.558	6.558	(0.839)	109911	5.00000	4.313
	51 trans-1,3-Dichloropropene	75	6.723	6.723	(0.861)	24982	5.00000	3.310
	52 Ethyl Methacrylate	69	6.806	6.806	(0.871)	26753	5.00000	3.559
	53 1,1,2-Trichloroethane	97	6.901	6.901	(0.883)	25550	5.00000	4.590
	54 1,3-Dichloropropane	76	7.055	7.055	(0.903)	43971	5.00000	4.587
	55 Tetrachloroethene	164	7.055	7.055	(0.903)	23806	5.00000	4.845
	56 2-Hexanone	43	7.114	7.114	(0.911)	43461	10.0000	7.325
	57 Dibromochloromethane	129	7.268	7.268	(0.930)	26320	5.00000	4.499
	58 1,2-Dibromoethane	107	7.374	7.374	(0.944)	24462	5.00000	4.249
	59 Chlorobenzene	112	7.836	7.836	(1.003)	78188	5.00000	4.602
	60 1,1,1,2-Tetrachloroethane	131	7.907	7.907	(1.012)	25687	5.00000	4.316
	61 Ethylbenzene	106	7.930	7.930	(1.015)	37748	5.00000	4.293
	62 m + p-Xylene	106	8.037	8.037	(1.029)	86531	10.0000	7.943
M	63 Xylenes (total)	106				125333	15.0000	11.636
	64 Xylene-o	106	8.416	8.416	(1.077)	38802	5.00000	3.692
	65 Styrene	104	8.427	8.427	(1.079)	61668	5.00000	3.615

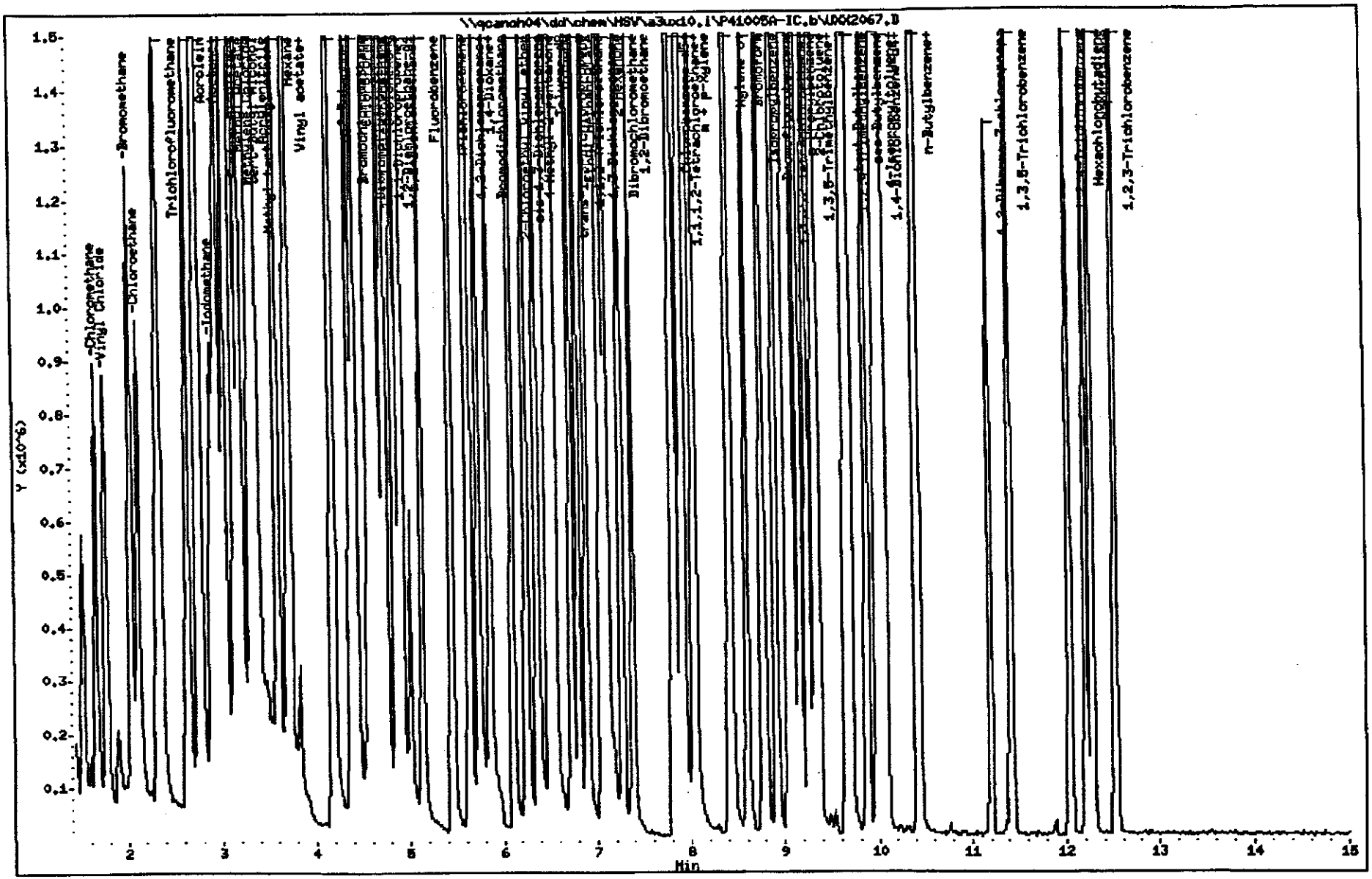
Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2065.D
Report Date: 06-Oct-2004 08:38

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)	17548	5.00000	4.133
67 Isopropylbenzene	105	8.771	8.771	(1.123)	85979	5.00000	3.721
68 1,1,2,2-Tetrachloroethane	83	9.031	9.031	(0.899)	31521	5.00000	4.733
69 1,4-Dichloro-2-butene	53	9.102	9.102	(0.906)	6252	5.00000	3.805
70 1,2,3-Trichloropropane	110	9.090	9.090	(0.905)	12459	5.00000	4.545
71 Bromobenzene	156	9.066	9.066	(0.902)	27004	5.00000	4.214
72 n-Propylbenzene	120	9.161	9.161	(0.912)	26057	5.00000	4.112
73 2-Chlorotoluene	126	9.256	9.256	(0.921)	27716	5.00000	4.568
74 1,3,5-Trimethylbenzene	105	9.327	9.327	(0.928)	73662	5.00000	3.960
75 4-Chlorotoluene	126	9.362	9.362	(0.932)	26845	5.00000	4.236
76 tert-Butylbenzene	119	9.646	9.646	(0.960)	59162	5.00000	3.806
77 1,2,4-Trimethylbenzene	105	9.694	9.694	(0.965)	67392	5.00000	3.597
78 sec-Butylbenzene	105	9.871	9.871	(0.982)	78855	5.00000	3.869
79 4-Isopropyltoluene	119	10.013	10.013	(0.996)	67371	5.00000	3.897
80 1,3-Dichlorobenzene	146	9.989	9.989	(0.994)	57935	5.00000	4.811
81 1,4-Dichlorobenzene	146	10.072	10.072	(1.002)	65469	5.00000	5.025
82 n-Butylbenzene	91	10.415	10.415	(1.037)	59007	5.00000	4.206
83 1,2-Dichlorobenzene	146	10.439	10.439	(1.039)	52106	5.00000	4.615
84 1,2-Dibromo-3-chloropropane	157	11.196	11.196	(1.114)	7710	5.00000	4.780
85 1,2,4-Trichlorobenzene	180	12.036	12.036	(1.198)	23250	5.00000	4.476
86 Hexachlorobutadiene	225	12.214	12.214	(1.215)	9811	5.00000	5.156
87 Naphthalene	128	12.285	12.285	(1.223)	63805	5.00000	3.936
88 1,2,3-Trichlorobenzene	180	12.533	12.533	(1.247)	26572	5.00000	5.350
98 Cyclohexane	56	4.665	4.665	(0.908)	35258	5.00000	4.947
143 Methyl Acetate	43	3.043	3.043	(0.592)	48486	10.0000	8.823
144 Methylcyclohexane	83	5.623	5.623	(1.094)	32373	5.00000	4.755
141 1,3,5-Trichlorobenzene	180	11.421	11.421	(1.137)	31079	5.00000	4.968

Data File: \\qcanoh04\dd\chem\HSV\a3uxl0.i\P41005A-IC.b\UXX2067.D
Date : 05-OCT-2004 16:37
Client ID:
Sample Info: 200NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3uxl0.i

Operator: 1904
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2067.D
Report Date: 06-Oct-2004 08:39

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2067.D
Lab Smp Id: 200NG-IC
Inj Date : 05-OCT-2004 16:37
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 200NG-IC
Misc Info : P41005A-IC,8260LLUX10,2-8260.SUB,1904,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Meth Date : 06-Oct-2004 08:39 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 04:31 Cal File: UXX0872.D
Als bottle: 8 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)	1769622	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1345952	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	693466	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.566	(0.889)	1441382	200.000	216.82(A)
$ 5 1,2-Dichloroethane-d4	65	4.850	4.850	(0.945)	1801436	200.000	219.38(A)
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	6087044	200.000	225.18(A)
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	2106412	200.000	228.14(A)
8 Dichlorodifluoromethane	85	1.514	1.514	(0.295)	817646	200.000	190.58
9 Chloromethane	50	1.656	1.656	(0.323)	1133180	200.000	157.29
10 Vinyl Chloride	62	1.750	1.750	(0.341)	1156709	200.000	169.57
11 Bromomethane	94	2.034	2.034	(0.396)	1149227	200.000	275.91(A)
12 Chloroethane	64	2.117	2.117	(0.412)	1131365	200.000	253.36(A)
13 Trichlorofluoromethane	101	2.342	2.342	(0.456)	2070914	200.000	274.30(A)
15 Acrolein	56	2.638	2.638	(0.514)	1826759	2000.00	2174.3(A)
16 Acetone	43	2.768	2.768	(0.539)	1166694	400.000	366.44(A)
17 1,1-Dichloroethene	96	2.756	2.756	(0.537)	1429165	200.000	244.52(A)
18 Freon-113	151	2.768	2.768	(0.539)	1070449	200.000	262.51(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2067.D
Report Date: 06-Oct-2004 08:39

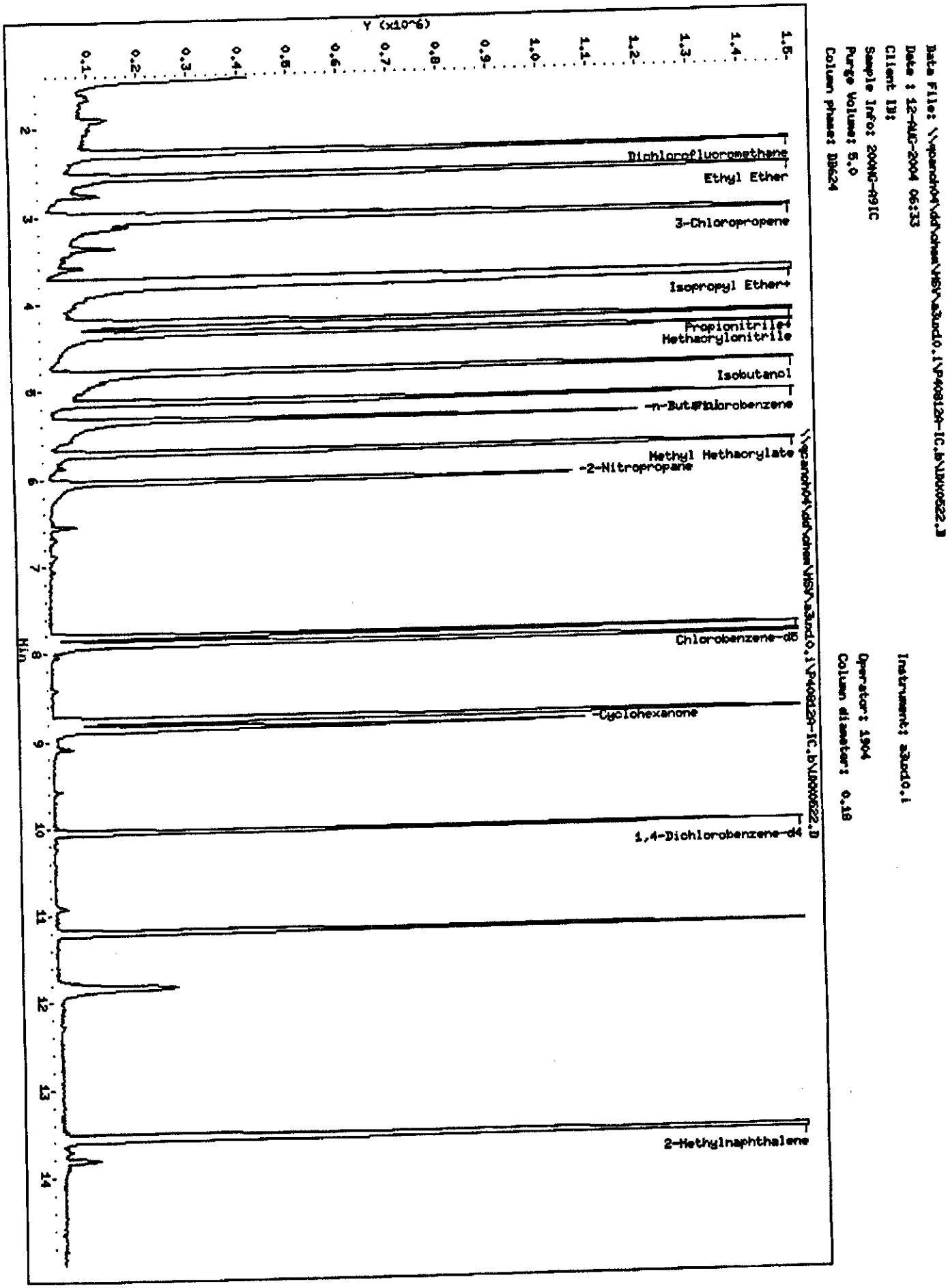
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.898	2.898	(0.564)	1721184	200.000	203.11(A)
	20 Carbon Disulfide	76	2.957	2.957	(0.576)	3346927	200.000	208.56(A)
	21 Methylene Chloride	84	3.135	3.135	(0.611)	1297016	200.000	162.02
	22 Acetonitrile	41	2.981	2.981	(0.581)	1286319	2000.00	1656.6
	23 Acrylonitrile	53	3.312	3.312	(0.645)	7371117	2000.00	2185.3(A)
	24 Methyl tert-butyl ether	73	3.359	3.359	(0.654)	4491871	200.000	224.89(A)
	25 trans-1,2-Dichloroethene	96	3.359	3.359	(0.654)	1527290	200.000	210.01(A)
	26 Hexane	86	3.596	3.596	(0.700)	300667	200.000	246.73(A)
	27 Vinyl acetate	43	3.726	3.726	(0.726)	3073310	200.000	229.76(A)
	28 1,1-Dichloroethane	63	3.703	3.703	(0.721)	2430376	200.000	209.37(A)
	29 tert-Butyl Alcohol	59	3.206	3.206	(0.624)	3076789	4000.00	4140.6(A)
	30 2-Butanone	43	4.176	4.176	(0.813)	1747326	400.000	403.08(A)
M	31 1,2-Dichloroethene (total)	96				3132123	400.000	425.25
	32 cis-1,2-dichloroethene	96	4.176	4.176	(0.813)	1604833	200.000	215.24(A)
	33 2,2-Dichloropropane	77	4.188	4.188	(0.816)	1409726	200.000	219.74(A)
	34 Bromochloromethane	128	4.377	4.377	(0.853)	800571	200.000	211.57(A)
	35 Chloroform	83	4.436	4.436	(0.864)	2527807	200.000	206.22(A)
	36 Tetrahydrofuran	42	4.424	4.424	(0.862)	602801	200.000	212.72(A)
	37 1,1,1-Trichloroethane	97	4.602	4.602	(0.896)	1972836	200.000	216.24(A)
	38 1,1-Dichloropropene	75	4.744	4.744	(0.924)	1952576	200.000	229.80(A)
	39 Carbon Tetrachloride	117	4.744	4.744	(0.924)	1803982	200.000	226.95(A)
	40 1,2-Dichloroethane	62	4.910	4.910	(0.956)	2125892	200.000	212.40(A)
	41 Benzene	78	4.910	4.910	(0.956)	6082025	200.000	208.55(A)
	42 Trichloroethene	130	5.454	5.454	(1.062)	1762643	200.000	219.52(A)
	43 1,2-Dichloropropane	63	5.631	5.631	(1.097)	1409405	200.000	220.86(A)
	44 1,4-Dioxane	88	5.738	5.738	(1.118)	665212	10000.0	11320(A)
	45 Dibromomethane	93	5.738	5.738	(1.118)	961838	200.000	209.66(A)
	46 Bromodichloromethane	83	5.856	5.856	(1.141)	1929854	200.000	219.40(A)
	47 2-Chloroethyl vinyl ether	63	6.105	6.105	(1.189)	2257787	400.000	503.19(A)
	48 cis-1,3-Dichloropropene	75	6.247	6.247	(1.217)	2319264	200.000	237.99(A)
	49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	4134919	400.000	455.74(A)
	50 Toluene	91	6.554	6.554	(0.839)	6842993	200.000	219.79(A)
	51 trans-1,3-Dichloropropene	75	6.732	6.732	(0.862)	2268545	200.000	244.03(A)
	52 Ethyl Methacrylate	69	6.803	6.803	(0.871)	2356331	200.000	251.66(A)
	53 1,1,2-Trichloroethane	97	6.897	6.897	(0.883)	1431535	200.000	209.50(A)
	54 1,3-Dichloropropane	76	7.051	7.051	(0.903)	2587478	200.000	218.75(A)
	55 Tetrachloroethene	164	7.051	7.051	(0.903)	1324118	200.000	219.65(A)
	56 2-Hexanone	43	7.110	7.110	(0.911)	3474954	400.000	463.60(A)
	57 Dibromochloromethane	129	7.264	7.264	(0.930)	1577513	200.000	220.20(A)
	58 1,2-Dibromoethane	107	7.383	7.383	(0.945)	1520665	200.000	215.08(A)
	59 Chlorobenzene	112	7.832	7.832	(1.003)	4417238	200.000	211.73(A)
	60 1,1,1,2-Tetrachloroethane	131	7.903	7.903	(1.012)	1543535	200.000	214.50(A)
	61 Ethylbenzene	106	7.927	7.927	(1.015)	2375587	200.000	220.94(A)
	62 m + p-Xylene	106	8.033	8.033	(1.029)	6190770	400.000	461.41(A)
M	63 Xylenes (total)	106				9173715	600.000	694.16
	64 Xylene-o	106	8.412	8.412	(1.077)	2982945	200.000	232.76(A)
	65 Styrene	104	8.424	8.424	(1.079)	5157625	200.000	244.57(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2067.D
Report Date: 06-Oct-2004 08:39

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)	1211130	200.000	229.90(A)
67 Isopropylbenzene	105	8.767	8.767	(1.123)	6668607	200.000	237.98(A)
68 1,1,2,2-Tetrachloroethane	83	9.039	9.039	(0.900)	1914811	200.000	216.03(A)
69 1,4-Dichloro-2-butene	53	9.087	9.087	(0.905)	590261	200.000	263.75(A)
70 1,2,3-Trichloropropane	110	9.087	9.087	(0.905)	802282	200.000	217.25(A)
71 Bromobenzene	156	9.063	9.063	(0.902)	1891590	200.000	220.86(A)
72 n-Propylbenzene	120	9.169	9.169	(0.913)	1933514	200.000	230.18(A)
73 2-Chlorotoluene	126	9.252	9.252	(0.921)	1743464	200.000	216.30(A)
74 1,3,5-Trimethylbenzene	105	9.335	9.335	(0.929)	5730642	200.000	232.50(A)
75 4-Chlorotoluene	126	9.359	9.359	(0.932)	1845605	200.000	218.29(A)
76 tert-Butylbenzene	119	9.654	9.654	(0.961)	4884051	200.000	238.00(A)
77 1,2,4-Trimethylbenzene	105	9.702	9.702	(0.966)	5731257	200.000	232.05(A)
78 sec-Butylbenzene	105	9.867	9.867	(0.982)	6373985	200.000	237.49(A)
79 4-Isopropyltoluene	119	10.009	10.009	(0.996)	5434716	200.000	237.16(A)
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	3310505	200.000	207.17(A)
81 1,4-Dichlorobenzene	146	10.069	10.069	(1.002)	3441753	200.000	198.74
82 n-Butylbenzene	91	10.412	10.412	(1.037)	4398411	200.000	236.76(A)
83 1,2-Dichlorobenzene	146	10.435	10.435	(1.039)	3140138	200.000	209.96(A)
84 1,2-Dibromo-3-chloropropane	157	11.205	11.205	(1.115)	462196	200.000	214.59(A)
85 1,2,4-Trichlorobenzene	180	12.033	12.033	(1.198)	1547269	200.000	224.95(A)
86 Hexachlorobutadiene	225	12.210	12.210	(1.216)	502898	200.000	199.38
87 Naphthalene	128	12.281	12.281	(1.223)	5387821	200.000	249.28(A)
88 1,2,3-Trichlorobenzene	180	12.530	12.530	(1.247)	1393833	200.000	210.19(A)
98 Cyclohexane	56	4.673	4.673	(0.910)	2104276	200.000	249.10(A)
143 Methyl Acetate	43	3.040	3.040	(0.592)	2717785	400.000	416.42
144 Methylcyclohexane	83	5.631	5.631	(1.097)	2107858	200.000	261.02
141 1,3,5-Trichlorobenzene	180	11.429	11.429	(1.138)	1730625	200.000	208.91

QC Flag Legend

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

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

STL North Canton

VOLATILE REPORT SW-846 Method

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

Concentration Formula: Amt * DF * 1/Vo

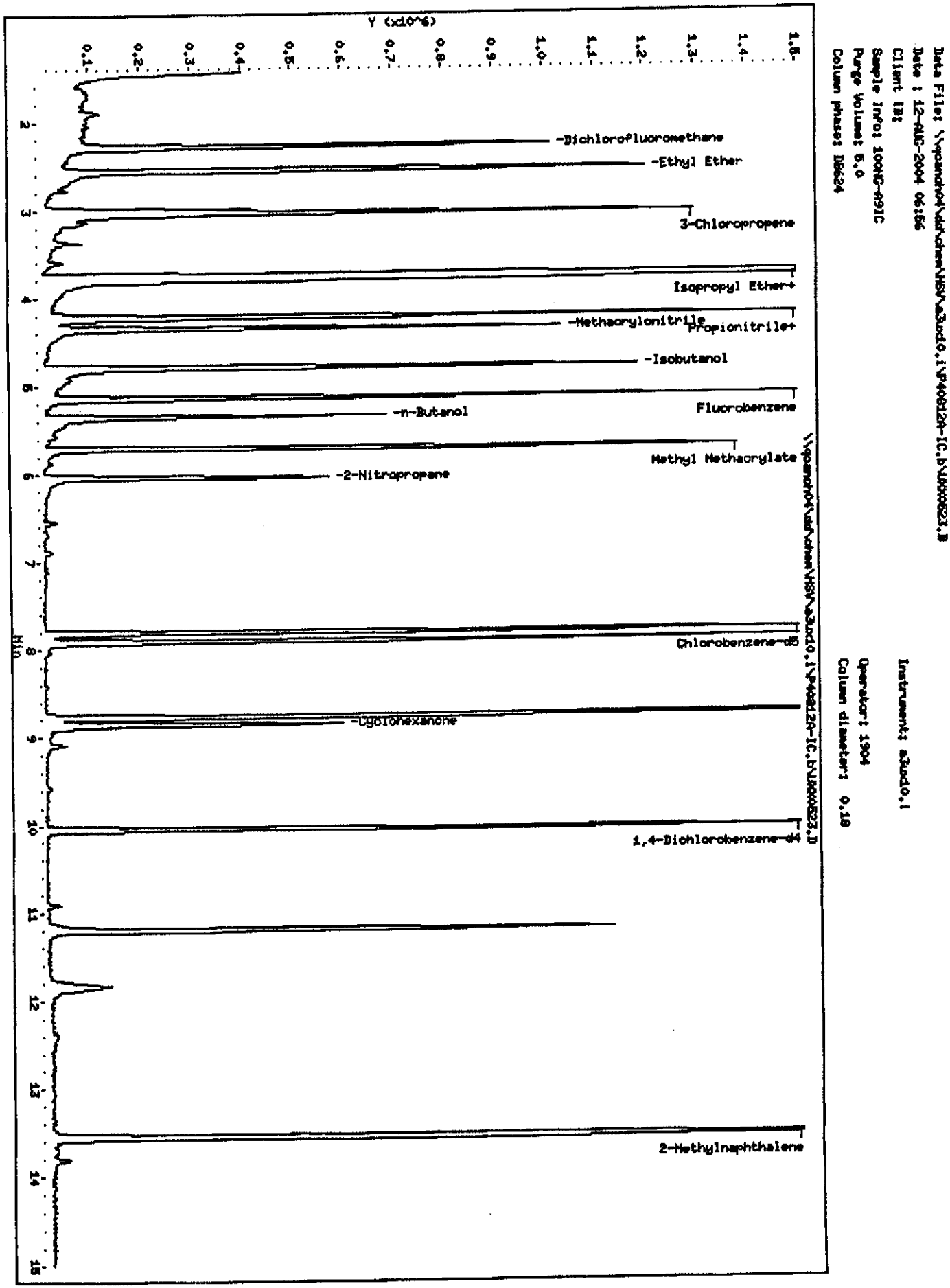
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

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

QC Flag Legend

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


Data File: \\qcanch04\dd\chem\HSV\a3ux10.i\P408128A-IC.b\UXX0523.B
Date : 12-AUG-2004 06:56
Client ID:
Sample Info: 100NG-A9IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorofluoromethane
-Ethyl Ether
3-Chloropropene
Isopropyl Ether+
-Methacrylonitrile
Propionitrile+
-Isobutanol
Fluorobenzene
-n-Butanol
Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
2-Methylnaphthalene

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

STL North Canton

VOLATILE REPORT SW-846 Method

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

Concentration Formula: Amt * DF * 1/Vo

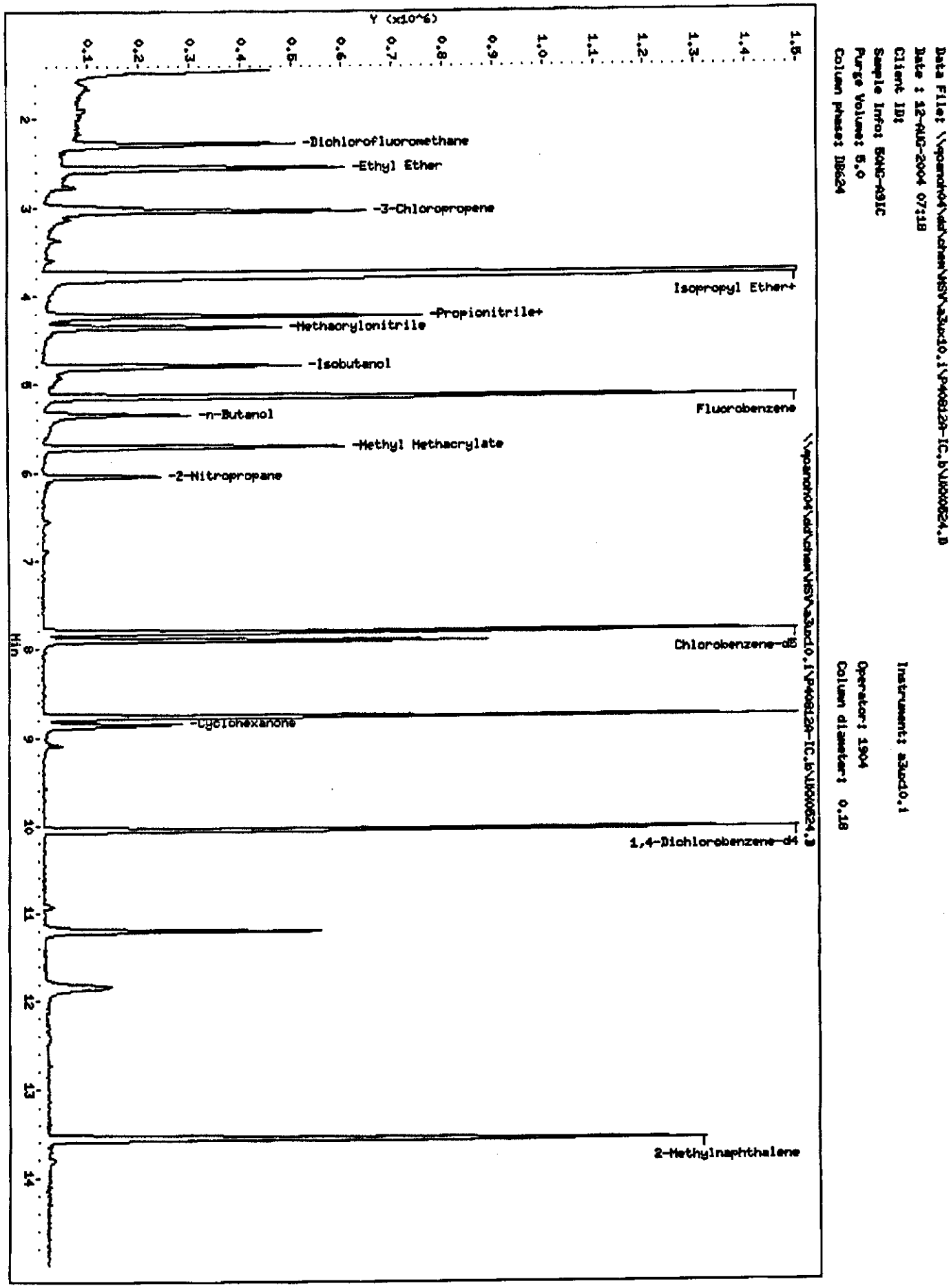
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	1514440	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1038871	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	523415	50.0000	
14 Dichlorofluoromethane	67	2.283	2.283	(0.445)	1221607	100.000	106.36
89 Ethyl Ether	59	2.555	2.555	(0.498)	819165	100.000	104.83
91 3-Chloropropene	76	3.040	3.040	(0.592)	311677	100.000	103.11
92 Isopropyl Ether	87	3.762	3.762	(0.733)	3093708	500.000	536.28(A)
93 2-Chloro-1,3-butadiene	53	3.786	3.786	(0.737)	1005432	100.000	108.66
94 Propionitrile	54	4.224	4.224	(0.823)	247023	200.000	220.38(A)
95 Ethyl Acetate	43	4.224	4.224	(0.823)	1958115	200.000	211.89(A)
96 Methacrylonitrile	41	4.354	4.354	(0.848)	599988	100.000	104.44
97 Isobutanol	41	4.792	4.792	(0.614)	711498	2000.00	2197.1(A)
99 n-Butanol	56	5.348	5.348	(0.685)	486067	2000.00	2062.5(A)
100 Methyl Methacrylate	41	5.715	5.715	(1.113)	762638	100.000	105.08
101 2-Nitropropane	41	6.046	6.046	(1.177)	351283	200.000	204.10(A)
103 Cyclohexanone	55	8.850	8.850	(0.881)	336106	1000.00	1055.8(A)
146 2-Methylnaphthalene	142	13.560	13.560	(1.350)	2003942	200.000	211.79

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

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P408120-IC.b\UXX0524.D
Date : 12-AUG-2004 07:18
Client ID:
Sample Info: 50NG-A9IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
2-Methylnaphthalene

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

STL North Canton

VOLATILE REPORT SW-846 Method

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

Concentration Formula: Amt * DF * 1/Vo

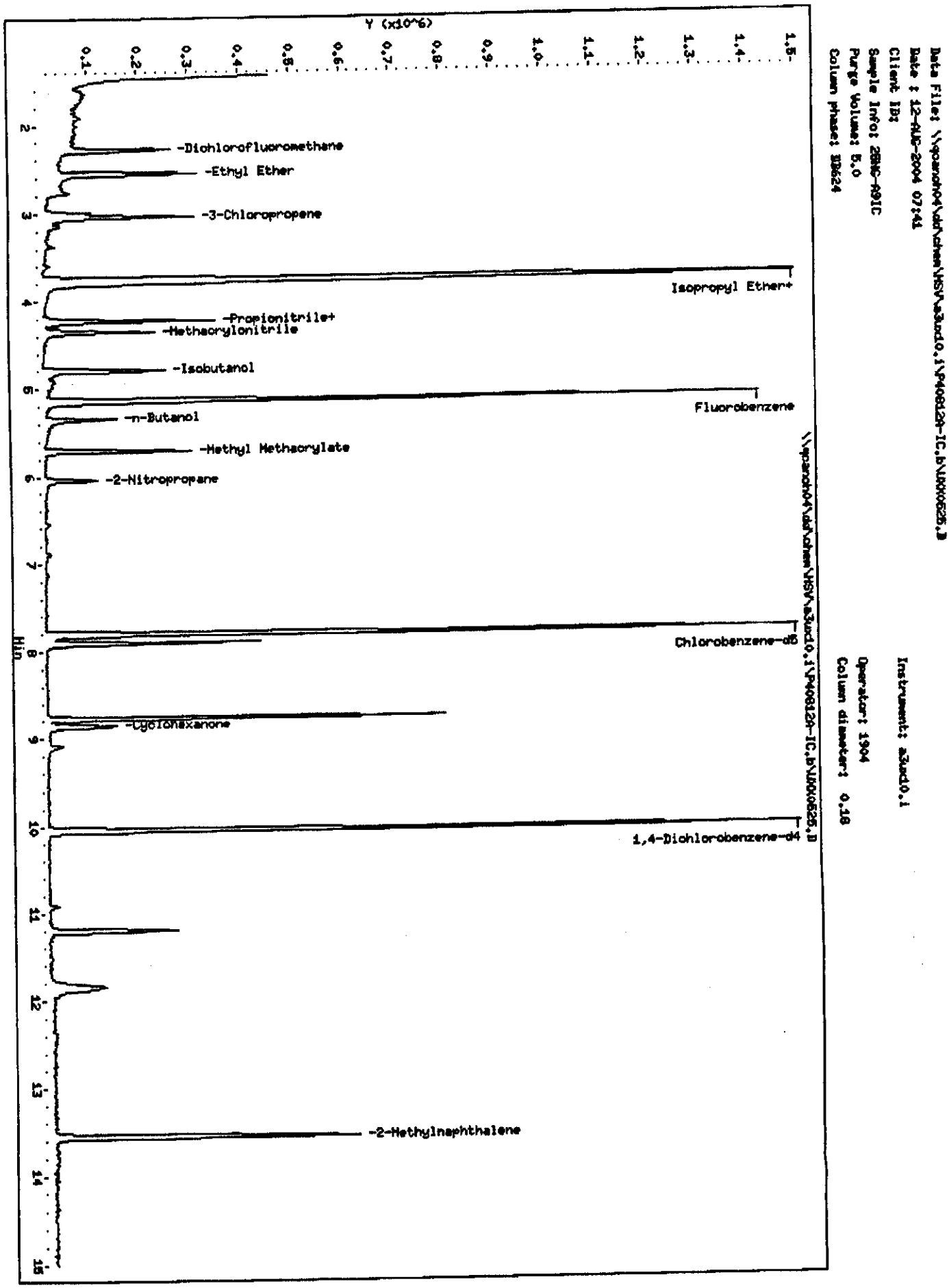
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

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

QC Flag Legend

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


Data File: \\qcanch04\dd\chem\HSV\a3uc10.i\P408120-IC.b\UXX0525.D
Date : 12-AUG-2004 07:41
Client ID:
Sample Info: 25NG-A9IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3uc10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
-2-Methylnaphthalene

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

STL North Canton

VOLATILE REPORT SW-846 Method

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

Concentration Formula: Amt * DF * 1/Vo

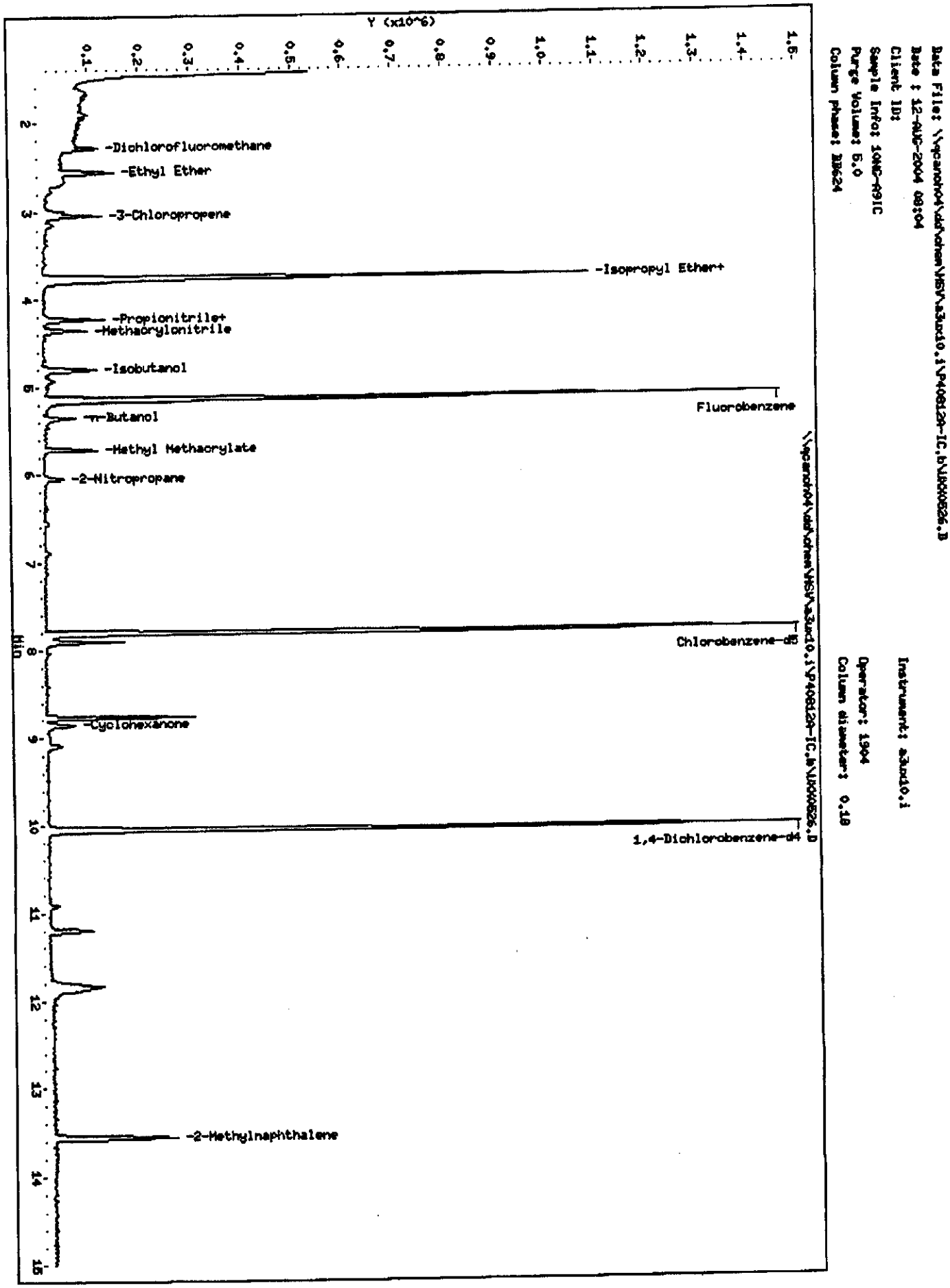
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

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

QC Flag Legend

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


Data File: \\qcanoh04\dd\ohem\MSV\a3ux10.i\P408120-IC.b\UXX0526.D
Date : 12-AUG-2004 08:04
Client ID:
Sample Info: 10NG-A9IC
Purge Volume: 5.0
Column phase: BB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
-Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
-2-Methylnaphthalene

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

STL North Canton

VOLATILE REPORT SW-846 Method

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

Concentration Formula: Amt * DF * 1/Vo

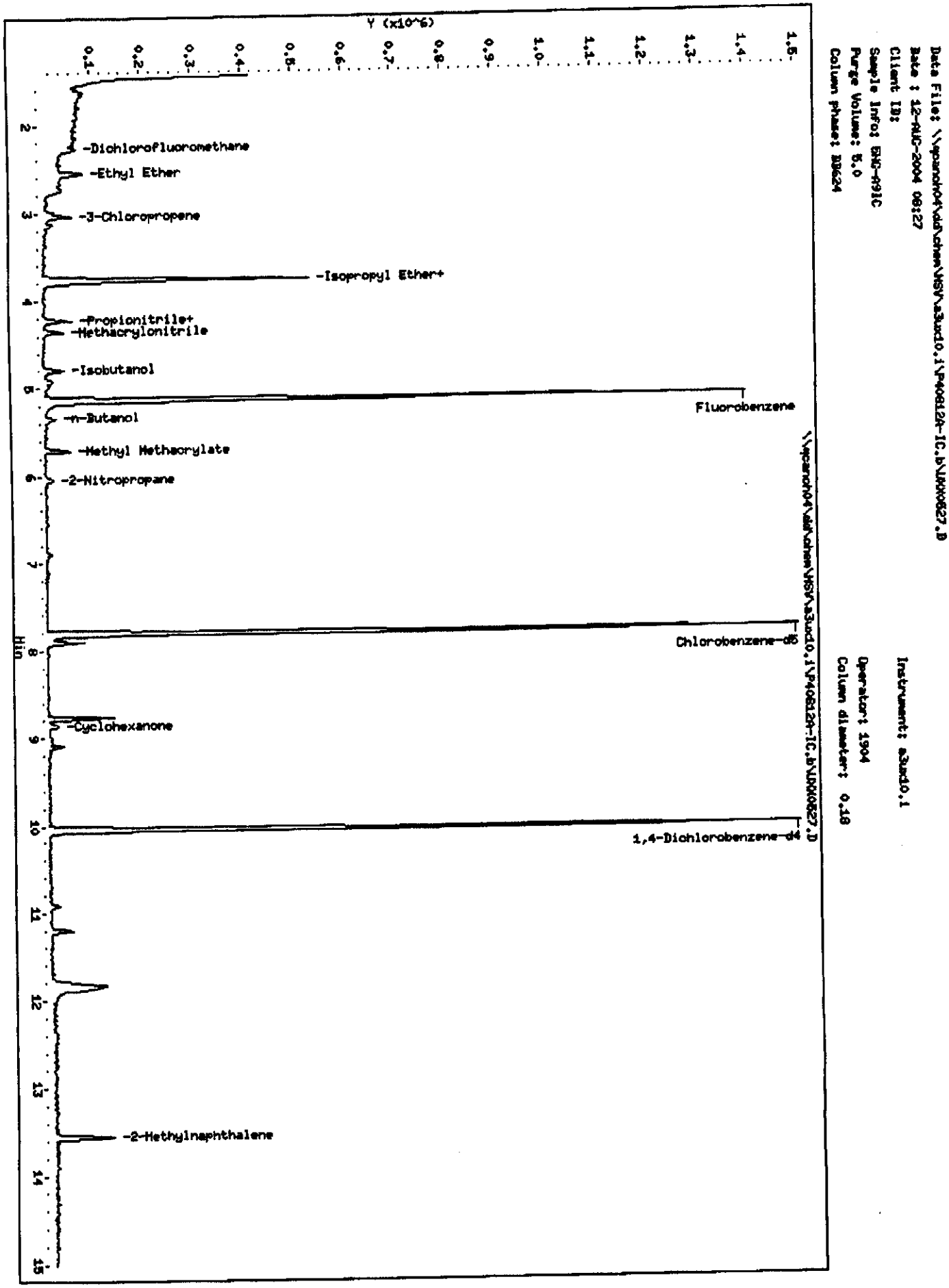
Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

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

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\UXX0527.D
Date : 12-AUG-2004 08:27
Client ID:
Sample Info: 5MG-A91C
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
-Isopropyl Ether+
-Propionitrile+
-Methacrylonitrile
-Isobutanol
Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
Chlorobenzene-d5
-Cyclohexanone
1,4-Dichlorobenzene-d4
-2-Methylnaphthalene
Min

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

STL North Canton

VOLATILE REPORT SW-846 Method

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

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2066.D
Report Date: 06-Oct-2004 09:31

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: plexus-ck.spk
Sublist File: 2-8260.SUB

Client SDG: SDGa00629
Fraction: VOA

Operator: 1904
SampleType: METHSPIKE
Quant Type: ISTD

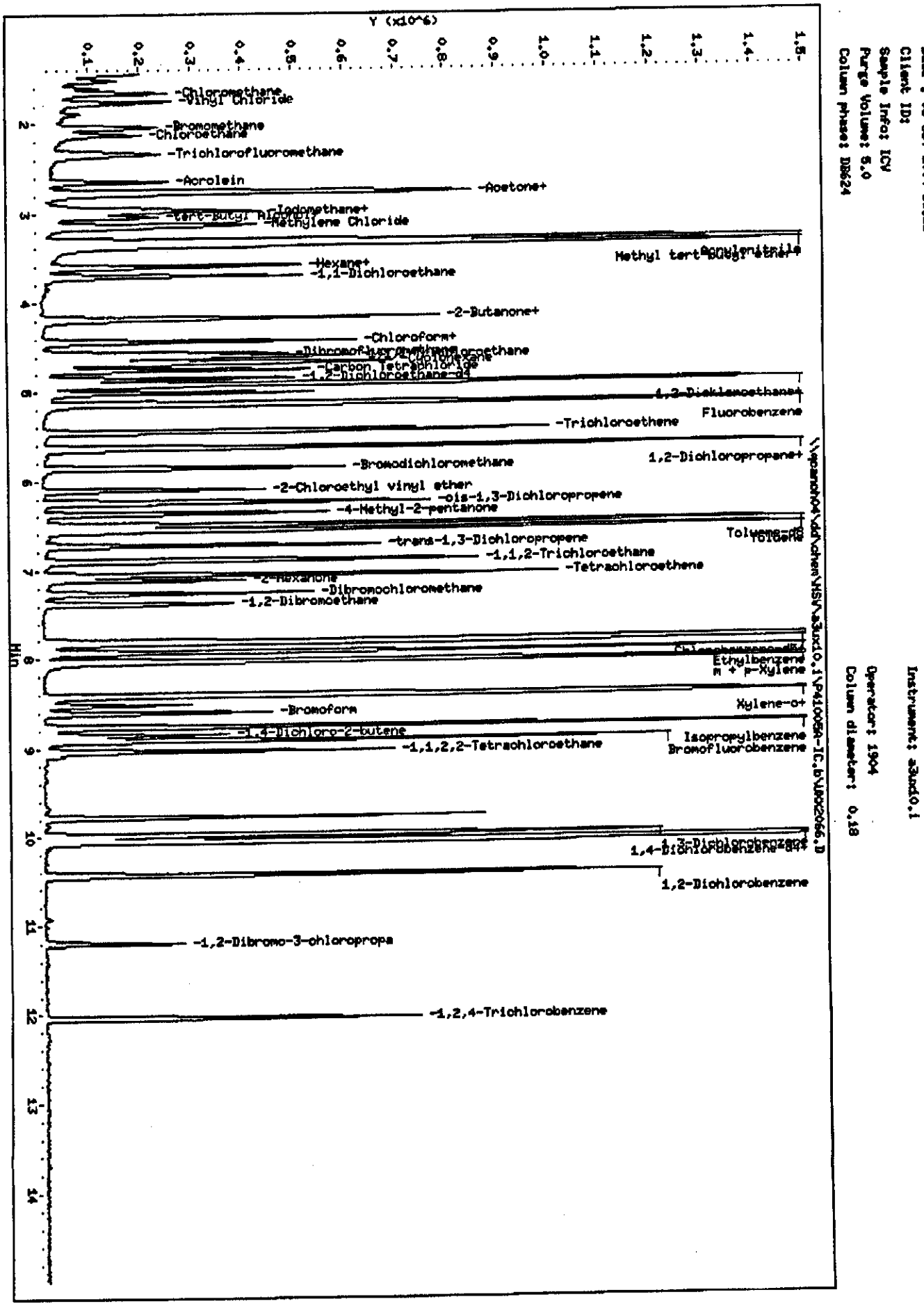
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Misc Info: P41005A-IC,8260LLUX10,2-8260.SUB,1904,3

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	10.729	107.29	45-155
	42 Trichloroethene	10.000	10.048	100.48	45-155
	59 Chlorobenzene	10.000	10.149	101.49	45-155
	50 Toluene	10.000	10.776	107.76	45-155
	41 Benzene	10.000	9.761	97.61	45-155
	16 Acetone	10.000	10.045	100.45	45-155
	20 Carbon Disulfide	10.000	10.186	101.86	45-155
	9 Chloromethane	10.000	10.745	107.45	45-155
	11 Bromomethane	10.000	9.147	91.47	45-155
	10 Vinyl Chloride	10.000	10.185	101.85	45-155
	12 Chloroethane	10.000	10.264	102.64	45-155
	21 Methylene Chloride	10.000	10.174	101.74	45-155
	28 1,1-Dichloroethane	10.000	9.952	99.52	45-155
M	31 1,2-Dichloroethene	20.000	19.470	97.35	45-155
	35 Chloroform	10.000	9.960	99.60	45-155
	40 1,2-Dichloroethane	10.000	10.457	104.57	45-155
	30 2-Butanone	10.000	10.459	104.59	45-155
	37 1,1,1-Trichloroeth	10.000	9.828	98.28	45-155
	39 Carbon Tetrachlori	10.000	9.706	97.06	45-155
	46 Bromodichlorometha	10.000	10.118	101.18	45-155
	43 1,2-Dichloropropan	10.000	10.145	101.45	45-155
	48 cis-1,3-Dichloropr	10.000	9.155	91.55	45-155
	57 Dibromochlorometha	10.000	10.259	102.59	45-155
	53 1,1,2-Trichloroeth	10.000	10.126	101.26	45-155
	51 trans-1,3-Dichloro	10.000	9.232	92.32	45-155
	66 Bromoform	10.000	10.538	105.38	45-155
	49 4-Methyl-2-pentano	10.000	8.892	88.92	45-155
	56 2-Hexanone	10.000	8.307	83.07	45-155
	55 Tetrachloroethene	10.000	10.105	101.05	45-155
	68 1,1,2,2-Tetrachlor	10.000	10.014	100.14	45-155
	61 Ethylbenzene	10.000	10.476	104.76	45-155
	65 Styrene	10.000	9.459	94.59	45-155
	62 m + p-Xylene	20.000	20.929	104.64	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2066.D
Report Date: 06-Oct-2004 09:31

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
M 63 Xylenes (total)	30.000	30.542	101.81	45-155
64 Xylene-o	10.000	9.613	96.13	45-155
32 cis-1,2-dichloroet	10.000	9.404	94.04	45-155
25 trans-1,2-Dichloro	10.000	10.066	100.66	45-155
8 Dichlorodifluorome	10.000	8.570	85.70	45-155
13 Trichlorofluoromet	10.000	9.920	99.20	45-155
18 Freon-113	10.000	11.006	110.06	45-155
24 Methyl tert-butyl	10.000	10.279	102.79	45-155
58 1,2-Dibromoethane	10.000	10.058	100.58	45-155
67 Isopropylbenzene	10.000	10.142	101.42	45-155
80 1,3-Dichlorobenzen	10.000	9.456	94.56	45-155
81 1,4-Dichlorobenzen	10.000	9.622	96.22	45-155
83 1,2-Dichlorobenzen	10.000	9.611	96.11	45-155
84 1,2-Dibromo-3-chlo	10.000	9.864	98.64	45-155
85 1,2,4-Trichloroben	10.000	9.566	95.66	45-155
98 Cyclohexane	10.000	9.204	92.04	45-155
143 Methyl Acetate	10.000	10.125	101.25	45-155
144 Methylcyclohexane	10.000	9.205	92.05	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	10.066	100.66	73-122
$ 5 1,2-Dichloroethane	10.000	10.169	101.69	61-128
$ 6 Toluene-d8	10.000	10.851	108.51	76-110
$ 7 Bromofluorobenzene	10.000	10.984	109.84	74-116


Data File: \\qcanch04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2066.D
Date : 05-OCT-2004 16:12
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
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride
Methyl tert-butyl ether
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform+
-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
Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-1,4-Dichloro-2-butene
Isopropylbenzene
Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
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\P41005A-IC.b\UXX2066.D
Report Date: 06-Oct-2004 09:30

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2066.D
Lab Smp Id: ICV
Inj Date : 05-OCT-2004 16:12
Operator : 1904 Inst ID: a3ux10.i
Smp Info : ICV
Misc Info : P41005A-IC,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\8260LLUX10.m
Meth Date : 06-Oct-2004 09:02 quayler Quant Type: ISTD
Cal Date : 24-AUG-2004 04:31 Cal File: UXX0872.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	5.137	5.136	(1.000)	1584585	50.0000	
* 2 Chlorobenzene-d5	117	7.811	7.809	(1.000)	1140432	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.048	10.046	(1.000)	584854	50.0000	
$ 4 Dibromofluoromethane	113	4.569	4.567	(0.889)	302099	50.3302	10.066
$ 5 1,2-Dichloroethane-d4	65	4.853	4.851	(0.945)	379301	50.8471	10.169
$ 6 Toluene-d8	98	6.498	6.496	(0.832)	1238647	54.2535	10.851
$ 7 Bromofluorobenzene	95	8.912	8.910	(1.141)	453417	54.9213	10.984
8 Dichlorodifluoromethane	85	1.516	1.515	(0.295)	165791	42.8491	8.570
9 Chloromethane	50	1.658	1.657	(0.323)	293058	53.7241	10.745
10 Vinyl Chloride	62	1.753	1.751	(0.341)	305670	50.9241	10.185
11 Bromomethane	94	2.037	2.035	(0.397)	191575	45.7353	9.147
12 Chloroethane	64	2.120	2.118	(0.413)	197558	51.3190	10.264
13 Trichlorofluoromethane	101	2.344	2.343	(0.456)	341064	49.5983	9.920
15 Acrolein	56	2.640	2.639	(0.514)	283857	480.550	96.110
16 Acetone	43	2.770	2.769	(0.539)	127540	50.2261	10.045
17 1,1-Dichloroethene	96	2.759	2.757	(0.537)	277137	53.6470	10.729
18 Freon-113	151	2.770	2.769	(0.539)	200934	55.0283	11.006

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2066.D
Report Date: 06-Oct-2004 09:30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	2.901	2.887	(0.565)	27131	3.57541	0.7151
	20 Carbon Disulfide	76	2.972	2.958	(0.579)	704931	50.9302	10.186
	21 Methylene Chloride	84	3.137	3.136	(0.611)	312402	50.8721	10.174
	22 Acetonitrile	41	2.983	2.982	(0.581)	383525	584.290	116.86
	23 Acrylonitrile	53	3.315	3.313	(0.645)	1595475	529.981	106.00
	24 Methyl tert-butyl ether	73	3.362	3.360	(0.655)	908902	51.3960	10.279
	25 trans-1,2-Dichloroethene	96	3.362	3.360	(0.655)	323591	50.3319	10.066
	26 Hexane	86	3.587	3.597	(0.698)	54568	52.0403	10.408
	27 Vinyl acetate	43	3.587	3.727	(0.698)	172175	14.6448	2.929
	28 1,1-Dichloroethane	63	3.705	3.703	(0.721)	512171	49.7623	9.952
	29 tert-Butyl Alcohol	59	3.043	3.206	(0.592)	23060	35.5914	7.118
	30 2-Butanone	43	4.178	4.177	(0.813)	191423	52.2953	10.459
M	31 1,2-Dichloroethene (total)	96				634961	97.3521	19.470
	32 cis-1,2-dichloroethene	96	4.178	4.177	(0.813)	311370	47.0201	9.404
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.439	4.437	(0.864)	543918	49.8003	9.960
	36 Tetrahydrofuran	42	4.427	4.425	(0.862)	5899	2.36422	0.4728
	37 1,1,1-Trichloroethane	97	4.604	4.603	(0.896)	398158	49.1397	9.828
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.758	4.756	(0.926)	348603	48.5328	9.706
	40 1,2-Dichloroethane	62	4.912	4.910	(0.956)	474847	52.2857	10.457
	41 Benzene	78	4.912	4.910	(0.956)	1270374	48.8032	9.761
	42 Trichloroethene	130	5.445	5.455	(1.060)	360835	50.2396	10.048
	43 1,2-Dichloropropane	63	5.634	5.632	(1.097)	292559	50.7243	10.145
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.859	5.857	(1.140)	401865	50.5891	10.118
	47 2-Chloroethyl vinyl ether	63	6.107	6.106	(1.189)	199509	49.4595	9.892
	48 cis-1,3-Dichloropropene	75	6.249	6.248	(1.217)	447510	45.7733	9.155
	49 4-Methyl-2-pentanone	43	6.368	6.366	(1.240)	368373	44.4611	8.892
	50 Toluene	91	6.557	6.555	(0.839)	1409616	53.8784	10.776
	51 trans-1,3-Dichloropropene	75	6.723	6.733	(0.861)	411051	46.1588	9.232
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.900	6.898	(0.883)	293506	50.6291	10.126
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.054	7.052	(0.903)	258670	50.5269	10.105
	56 2-Hexanone	43	7.113	7.112	(0.911)	277997	41.5340	8.307
	57 Dibromochloromethane	129	7.267	7.265	(0.930)	314765	51.2958	10.259
	58 1,2-Dibromoethane	107	7.385	7.371	(0.945)	299984	50.2881	10.058
	59 Chlorobenzene	112	7.835	7.833	(1.003)	897933	50.7442	10.149
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.929	7.928	(1.015)	472416	52.3829	10.476
	62 m + p-Xylene	106	8.036	8.034	(1.029)	1187983	104.645	20.929
M	63 Xylenes (total)	106				1763544	152.709	30.542
	64 Xylene-o	106	8.415	8.413	(1.077)	575561	48.0637	9.613
	65 Styrene	104	8.426	8.425	(1.079)	960675	47.2935	9.459

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41005A-IC.b\UXX2066.D
Report Date: 06-Oct-2004 09:30

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)	239472	52.6881	10.538
67 Isopropylbenzene	105	8.770	8.768	(1.123)	1347144	50.7101	10.142
68 1,1,2,2-Tetrachloroethane	83	9.030	9.040	(0.899)	379595	50.0708	10.014
69 1,4-Dichloro-2-butene	53	8.852	9.088	(0.881)	9457	6.78592	1.357
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	9.987	(0.994)	635381	47.2830	9.456
81 1,4-Dichlorobenzene	146	10.071	10.069	(1.002)	702875	48.1105	9.622
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.438	10.436	(1.039)	603430	48.0559	9.611
84 1,2-Dibromo-3-chloropropane	157	11.195	11.205	(1.114)	90902	49.3230	9.864
85 1,2,4-Trichlorobenzene	180	12.035	12.034	(1.198)	274881	47.8282	9.566
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.664	4.662	(0.908)	345492	46.0184	9.204
143 Methyl Acetate	43	3.043	3.041	(0.592)	293072	50.6235	10.125
144 Methylcyclohexane	83	5.634	5.633	(1.097)	343588	46.0251	9.205
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Report Date: 18-Nov-2004 09:20

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\8260LLUX10.m
Start Cal Date: 11-AUG-2004 16:41
End Cal Date : 05-OCT-2004 16:37
Last Cal Level: 6
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
05-OCT-2004 15:43	2-8260	UXX2065.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
05-OCT-2004 15:20	2-8260	UXX2064.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
05-OCT-2004 14:57	2-8260	UXX2063.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
05-OCT-2004 14:34	2-8260	UXX2062.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
05-OCT-2004 14:11	2-8260	UXX2061.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
05-OCT-2004 16:37	2-8260	UXX2067.D

Continuing Calibration

17-NOV-2004 10:01	2-8260	UXX3852.D
17-NOV-2004 10:24	7-IX+	UXX3853.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b/UXX3852.D
Report Date: 11/17/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux10.i
Lab File ID: UXX3852.D
Analysis Type: WATER

Injection Date: 17-NOV-2004 10:01
Lab Sample ID: 50NG-CC
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	49.9630	0.1	50.0
0 Bromodichloromethane	50.0000	49.9286	0.1	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	48.7064	2.6	50.0
0 Bromoform	50.0000	55.8804	11.8	50.0
0 Styrene	50.0000	47.2902	5.4	50.0
0 Xylene-o	50.0000	47.7228	4.6	50.0
0 Xylenes (total)	150.0000	152.1644	1.4	50.0
0 2-Hexanone	100.0000	87.6931	12.3	50.0
0 Chloromethane	50.0000	53.9439	7.9	50.0
0 Vinyl Chloride	50.0000	56.4178	12.8	20.0
0 Bromomethane	50.0000	56.3891	12.8	50.0
0 Chloroethane	50.0000	63.2167	26.4	50.0
0 1,1-Dichloroethane	50.0000	49.0878	1.8	50.0
0 Tetrachloroethene	50.0000	57.7558	15.5	50.0
0 Acetone	100.0000	114.8798	14.9	50.0
0 1,1-Dichloroethene	50.0000	51.9050	3.8	20.0
0 m + p-Xylene	100.0000	104.4417	4.4	50.0
0 Ethylbenzene	50.0000	50.9798	2.0	20.0
0 Carbon Disulfide	50.0000	62.8238	25.6	50.0
0 Methylene Chloride	50.0000	55.9657	11.9	50.0
0 1,2-Dichloropropane	50.0000	50.5241	1.0	20.0
0 1,1,2-Trichloroethane	50.0000	51.6569	3.3	50.0
0 Dibromochloromethane	50.0000	50.7622	1.5	50.0
0 trans-1,2-Dichloroethene	50.0000	50.2914	0.6	50.0
0 trans-1,3-Dichloropropene	50.0000	47.0049	6.0	50.0
0 cis-1,3-Dichloropropene	50.0000	49.0352	1.9	50.0
0 Chloroform	50.0000	47.6328	4.7	20.0
0 Toluene	50.0000	51.8434	3.7	20.0
0 2-Butanone	100.0000	130.6587	30.7	50.0
0 1,2-Dichloroethene (total)	100.0000	100.4319	0.4	50.0
0 cis-1,2-dichloroethene	50.0000	50.1405	0.3	50.0
0 4-Methyl-2-pentanone	100.0000	100.8674	0.9	50.0
0 1,2-Dichloroethane	50.0000	44.4996	11.0	50.0
0 Trichloroethene	50.0000	54.1010	8.2	50.0
0 1,1,1-Trichloroethane	50.0000	50.5096	1.0	50.0
0 Carbon Tetrachloride	50.0000	52.2541	4.5	50.0
0 Benzene	50.0000	50.9972	2.0	50.0
38 Dichlorodifluoromethane	50.0000	62.1403	24.3	50.0
39 Trichlorofluoromethane	50.0000	67.8835	35.8	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b/UXX3852.D
Report Date: 11/17/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux10.i
Lab File ID: UXX3852.D
Analysis Type: WATER

Injection Date: 17-NOV-2004 10:01
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	754.6076	50.9	50.0	<-
41 Acrylonitrile	500.0000	540.6603	8.1	50.0	
42 Vinyl acetate	50.0000	60.3487	20.7	50.0	
43 2-Chloroethyl vinyl ether	100.0000	102.3071	2.3	50.0	
47 Freon-113	50.0000	60.5406	21.1	50.0	
48 1,3-Dichlorobenzene	50.0000	50.0831	0.2	50.0	
49 1,4-Dichlorobenzene	50.0000	49.2459	1.5	50.0	
50 1,2-Dichlorobenzene	50.0000	52.6829	5.4	50.0	
51 Acetonitrile	500.0000	651.4959	30.3	50.0	
52 Iodomethane	50.0000	60.4665	20.9	50.0	
59 1,4-Dioxane	2500.0000	2810.5294	12.4	50.0	
60 Dibromomethane	50.0000	47.7570	4.5	50.0	
62 Ethyl Methacrylate	50.0000	48.8143	2.4	50.0	
63 1,2-Dibromoethane	50.0000	52.3729	4.7	50.0	
64 1,1,1,2-Tetrachloroethane	50.0000	52.4262	4.9	50.0	
65 1,2,3-Trichloropropane	50.0000	47.1509	5.7	50.0	
66 1,4-Dichloro-2-butene	50.0000	42.3267	15.3	50.0	
69 1,2-Dibromo-3-chloropropane	50.0000	55.5158	11.0	50.0	
82 Methyl tert-butyl ether	50.0000	50.5648	1.1	50.0	
84 Tetrahydrofuran	50.0000	56.0954	12.2	50.0	
98 2,2-Dichloropropane	50.0000	55.0113	10.0	50.0	
99 1,1-Dichloropropene	50.0000	53.5166	7.0	50.0	
100 1,3-Dichloropropane	50.0000	50.5919	1.2	50.0	
102 Bromobenzene	50.0000	53.5168	7.0	50.0	
103 2-Chlorotoluene	50.0000	49.4290	1.1	50.0	
104 n-Propylbenzene	50.0000	47.3945	5.2	50.0	
105 4-Chlorotoluene	50.0000	48.5916	2.8	50.0	
106 1,3,5-Trimethylbenzene	50.0000	45.4600	9.1	50.0	
107 tert-Butylbenzene	50.0000	49.5188	1.0	50.0	
108 1,2,4-Trimethylbenzene	50.0000	46.4982	7.0	50.0	
109 sec-Butylbenzene	50.0000	46.5368	6.9	50.0	
110 4-Isopropyltoluene	50.0000	47.4528	5.1	50.0	
111 n-Butylbenzene	50.0000	50.4704	0.9	50.0	
112 1,2,4-Trichlorobenzene	50.0000	62.9594	25.9	50.0	
113 Naphthalene	50.0000	49.6817	0.6	50.0	
114 Hexachlorobutadiene	50.0000	69.3131	38.6	50.0	
115 1,2,3-Trichlorobenzene	50.0000	61.1775	22.4	50.0	
124 tert-Butyl Alcohol	1000.0000	1212.1525	21.2	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b/UXX3852.D
Report Date: 11/17/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux10.i
Lab File ID: UXX3852.D
Analysis Type: WATER

Injection Date: 17-NOV-2004 10:01
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	64.5700	29.1	20.0	<-
127 Cyclohexane	50.0000	57.8647	15.7	50.0	
128 Isopropylbenzene	50.0000	49.7209	0.6	50.0	
130 Fluorobenzene	50.0000	50.0000	0.0	50.0	
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
133 Bromochloromethane	50.0000	51.0527	2.1	50.0	
141 1,3,5-Trichlorobenzene	50.0000	59.4020	18.8	50.0	
143 Methyl Acetate	100.0000	107.9095	7.9	50.0	
144 Methylcyclohexane	50.0000	56.8930	13.8	50.0	
22 Toluene-d8	50.0000	52.9643	5.9	50.0	
32 Bromofluorobenzene	50.0000	50.6705	1.3	50.0	
47 1,2-Dichloroethane-d4	50.0000	46.5505	6.9	50.0	
131 Dibromofluoromethane	50.0000	50.5913	1.2	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3852.D
Report Date: 17-Nov-2004 11:01

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i
Lab File ID: UXX3852.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\8260LLUX10.m

Injection Date: 17-NOV-2004 10:01
Init. Cal. Date(s): 11-AUG-2004 05-OCT-2004
Init. Cal. Times: 16:41 16:37
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	4 Dibromofluoromethane	0.18940	0.19164	0.010	1.2	50.0	
$	5 1,2-Dichloroethane-d4	0.23538	0.21914	0.010	-6.9	50.0	
$	6 Toluene-d8	1.00097	1.06031	0.010	5.9	50.0	
$	7 Bromofluorobenzene	50.00000	50.67047	0.010	-1.3	50.0	
	8 Dichlorodifluoromethane	0.12209	0.15173	0.010	24.3	50.0	
	9 Chloromethane	50.00000	53.94394	0.100	-7.9	50.0	
	10 Vinyl Chloride	0.18940	0.21371	0.010	12.8	20.0	
	11 Bromomethane	0.13217	0.14906	0.010	12.8	50.0	
	12 Chloroethane	50.00000	63.21670	0.010	-26.4	50.0	
	13 Trichlorofluoromethane	50.00000	67.88352	0.010	-35.8	50.0	
	15 Acrolein	500	755	0.010	-50.9	50.0	<-
	16 Acetone	0.08013	0.09205	0.010	14.9	50.0	
	17 1,1-Dichloroethene	0.16301	0.16922	0.010	3.8	20.0	
	18 Freon-113	50.00000	60.54060	0.010	-21.1	50.0	
	19 Iodomethane	0.23944	0.28956	0.010	20.9	50.0	
	20 Carbon Disulfide	0.43674	0.54876	0.010	25.6	50.0	
	21 Methylene Chloride	50.00000	55.96573	0.010	-11.9	50.0	
	22 Acetonitrile	0.02071	0.02699	0.010	30.3	50.0	
	23 Acrylonitrile	0.09499	0.10272	0.010	8.1	50.0	
	24 Methyl tert-butyl ether	0.55801	0.56431	0.010	1.1	50.0	
	25 trans-1,2-Dichloroethene	0.20287	0.20405	0.010	0.6	50.0	
	26 Hexane	50.00000	64.56999	0.010	-29.1	20.0	<-
	27 Vinyl acetate	0.37097	0.44775	0.010	20.7	50.0	
	28 1,1-Dichloroethane	0.32476	0.31884	0.100	-1.8	50.0	
	29 tert-Butyl Alcohol	0.02044	0.02478	0.010	21.2	50.0	
	30 2-Butanone	0.11550	0.15091	0.010	30.7	50.0	
M	31 1,2-Dichloroethene (total)	0.20591	0.20679	0.010	0.4	50.0	
	32 cis-1,2-dichloroethene	0.20895	0.20954	0.010	0.3	50.0	
	33 2,2-Dichloropropane	0.17864	0.19655	0.010	10.0	50.0	
	34 Bromochloromethane	0.10629	0.10852	0.010	2.1	50.0	
	35 Chloroform	0.34463	0.32832	0.010	-4.7	20.0	
	36 Tetrahydrofuran	0.07873	0.08833	0.010	12.2	50.0	
	37 1,1,1-Trichloroethane	0.25567	0.25827	0.010	1.0	50.0	
	38 1,1-Dichloropropene	0.23949	0.25633	0.010	7.0	50.0	
	39 Carbon Tetrachloride	0.22665	0.23686	0.010	4.5	50.0	
	40 1,2-Dichloroethane	0.28657	0.25504	0.010	-11.0	50.0	

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3852.D
Report Date: 17-Nov-2004 11:01

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i
Lab File ID: UXX3852.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\8260LLUX10.m

Injection Date: 17-NOV-2004 10:01
Init. Cal. Date(s): 11-AUG-2004 05-OCT-2004
Init. Cal. Times: 16:41 16:37
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	41 Benzene	0.82137	0.83775	0.010	2.0	50.0
	42 Trichloroethene	0.22663	0.24522	0.010	8.2	50.0
	43 1,2-Dichloropropane	0.18199	0.18390	0.010	1.0	20.0
	44 1,4-Dioxane	2500	2811	0.010	-12.4	50.0
	45 Dibromomethane	0.12957	0.12376	0.010	-4.5	50.0
	46 Bromodichloromethane	0.25066	0.25030	0.010	-0.1	50.0
	47 2-Chloroethyl vinyl ether	100	102	0.010	-2.3	50.0
	48 cis-1,3-Dichloropropene	50.00000	49.03522	0.010	1.9	50.0
	49 4-Methyl-2-pentanone	0.26143	0.26370	0.010	0.9	50.0
	50 Toluene	1.14706	1.18935	0.010	3.7	20.0
	51 trans-1,3-Dichloropropene	50.00000	47.00489	0.010	6.0	50.0
	52 Ethyl Methacrylate	50.00000	48.81431	0.010	2.4	50.0
	53 1,1,2-Trichloroethane	0.25417	0.26259	0.010	3.3	50.0
	54 1,3-Dichloropropane	0.44321	0.44846	0.010	1.2	50.0
	55 Tetrachloroethene	0.22445	0.25927	0.010	15.5	50.0
	56 2-Hexanone	100	87.69314	0.010	12.3	50.0
	57 Dibromochloromethane	0.26903	0.27313	0.010	1.5	50.0
	58 1,2-Dibromoethane	0.26154	0.27395	0.010	4.7	50.0
	59 Chlorobenzene	0.77582	0.77524	0.300	-0.1	50.0
	60 1,1,1,2-Tetrachloroethane	0.26606	0.27897	0.010	4.9	50.0
	61 Ethylbenzene	0.39540	0.40315	0.010	2.0	20.0
	62 m + p-Xylene	0.49773	0.51984	0.010	4.4	50.0
M	63 Xylenes (total)	150	152	0.010	-1.4	50.0
	64 Xylene-o	50.00000	47.72276	0.010	4.6	50.0
	65 Styrene	50.00000	47.29016	0.010	5.4	50.0
	66 Bromoform	0.19927	0.22271	0.100	11.8	50.0
	67 Isopropylbenzene	50.00000	49.72090	0.010	0.6	50.0
	68 1,1,2,2-Tetrachloroethane	0.64812	0.63136	0.300	-2.6	50.0
	69 1,4-Dichloro-2-butene	50.00000	42.32674	0.010	15.3	50.0
	70 1,2,3-Trichloropropane	0.26864	0.25333	0.010	-5.7	50.0
	71 Bromobenzene	0.61494	0.65820	0.010	7.0	50.0
	72 n-Propylbenzene	50.00000	47.39450	0.010	5.2	50.0
	73 2-Chlorotoluene	0.58010	0.57348	0.010	-1.1	50.0
	74 1,3,5-Trimethylbenzene	50.00000	45.46002	0.010	9.1	50.0
	75 4-Chlorotoluene	0.60946	0.59229	0.010	-2.8	50.0
	76 tert-Butylbenzene	50.00000	49.51878	0.010	1.0	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3852.D
Report Date: 17-Nov-2004 11:01

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i
Lab File ID: UXX3852.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\8260LLUX10.m

Injection Date: 17-NOV-2004 10:01
Init. Cal. Date(s): 11-AUG-2004 05-OCT-2004
Init. Cal. Times: 16:41 16:37
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	50.00000	46.49823	0.010	7.0	50.0
78 sec-Butylbenzene	50.00000	46.53680	0.010	6.9	50.0
79 4-Isopropyltoluene	50.00000	47.45277	0.010	5.1	50.0
80 1,3-Dichlorobenzene	1.14882	1.15073	0.010	0.2	50.0
81 1,4-Dichlorobenzene	1.24900	1.23016	0.010	-1.5	50.0
82 n-Butylbenzene	1.32522	1.33768	0.010	0.9	50.0
83 1,2-Dichlorobenzene	1.07350	1.13110	0.010	5.4	50.0
84 1,2-Dibromo-3-chloropropane	0.15756	0.17494	0.010	11.0	50.0
85 1,2,4-Trichlorobenzene	0.49134	0.61869	0.010	25.9	50.0
86 Hexachlorobutadiene	0.18247	0.25295	0.010	38.6	50.0
87 Naphthalene	50.00000	49.68169	0.010	0.6	50.0
88 1,2,3-Trichlorobenzene	0.47668	0.58324	0.010	22.4	50.0
98 Cyclohexane	50.00000	57.86472	0.010	-15.7	50.0
143 Methyl Acetate	0.18267	0.19712	0.010	7.9	50.0
144 Methylcyclohexane	50.00000	56.89305	0.010	-13.8	50.0
141 1,3,5-Trichlorobenzene	0.59386	0.70553	0.010	18.8	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3852.D
Report Date: 18-Nov-2004 09:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3852.D
Lab Smp Id: 50NG-CC
Inj Date : 17-NOV-2004 10:01
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-CC
Misc Info : P41117A,8260LLUX10,2-8260.SUB,1904,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\8260LLUX10.m
Meth Date : 18-Nov-2004 09:22 roachc Quant Type: ISTD
Cal Date : 24-AUG-2004 04:31 Cal File: UXX0872.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.135	5.135	(1.000)	1947063	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1459416	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	799975	50.0000	
$ 4 Dibromofluoromethane	113	4.567	4.567	(0.889)	373131	50.0000	50.591
$ 5 1,2-Dichloroethane-d4	65	4.851	4.851	(0.945)	426684	50.0000	46.550
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	1547435	50.0000	52.964
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	532779	50.0000	50.670
8 Dichlorodifluoromethane	85	1.502	1.502	(0.293)	295432	50.0000	62.140
9 Chloromethane	50	1.668	1.668	(0.325)	361486	50.0000	53.944
10 Vinyl Chloride	62	1.739	1.739	(0.339)	416112	50.0000	56.418
11 Bromomethane	94	2.046	2.046	(0.399)	290233	50.0000	56.389
12 Chloroethane	64	2.105	2.105	(0.410)	304915	50.0000	63.217
13 Trichlorofluoromethane	101	2.330	2.330	(0.454)	597644	50.0000	67.884
15 Acrolein	56	2.650	2.650	(0.516)	560635	500.000	754.61
16 Acetone	43	2.768	2.768	(0.539)	358447	100.000	114.88
17 1,1-Dichloroethene	96	2.756	2.756	(0.537)	329475	50.0000	51.905
18 Freon-113	151	2.756	2.756	(0.537)	273864	50.0000	60.541

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3852.D
Report Date: 18-Nov-2004 09:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.886	2.886	(0.562)	563792	50.0000	60.466
	20 Carbon Disulfide	76	2.945	2.945	(0.574)	1068465	50.0000	62.824
	21 Methylene Chloride	84	3.135	3.135	(0.611)	419635	50.0000	55.966
	22 Acetonitrile	41	2.993	2.993	(0.583)	525462	500.000	651.50
	23 Acrylonitrile	53	3.324	3.324	(0.647)	1999946	500.000	540.66
	24 Methyl tert-butyl ether	73	3.371	3.371	(0.657)	1098753	50.0000	50.565
	25 trans-1,2-Dichloroethene	96	3.371	3.371	(0.657)	397293	50.0000	50.291
	26 Hexane	86	3.596	3.596	(0.700)	84608	50.0000	64.570
	27 Vinyl acetate	43	3.738	3.738	(0.728)	871803	50.0000	60.349
	28 1,1-Dichloroethane	63	3.715	3.715	(0.723)	620801	50.0000	49.088
	29 tert-Butyl Alcohol	59	3.206	3.206	(0.624)	965020	1000.00	1212.2(A)
	30 2-Butanone	43	4.176	4.176	(0.813)	587671	100.000	130.66
M	31 1,2-Dichloroethene (total)	96				805280	100.000	100.43
	32 cis-1,2-dichloroethene	96	4.188	4.188	(0.816)	407987	50.0000	50.140
	33 2,2-Dichloropropane	77	4.188	4.188	(0.816)	382694	50.0000	55.011
	34 Bromochloromethane	128	4.377	4.377	(0.853)	211305	50.0000	51.053
	35 Chloroform	83	4.436	4.436	(0.864)	639251	50.0000	47.633
	36 Tetrahydrofuran	42	4.425	4.425	(0.862)	171982	50.0000	56.095
	37 1,1,1-Trichloroethane	97	4.614	4.614	(0.899)	502876	50.0000	50.510
	38 1,1-Dichloropropene	75	4.744	4.744	(0.924)	499088	50.0000	53.516
	39 Carbon Tetrachloride	117	4.756	4.756	(0.926)	461191	50.0000	52.254
	40 1,2-Dichloroethane	62	4.910	4.910	(0.956)	496583	50.0000	44.500
	41 Benzene	78	4.910	4.910	(0.956)	1631152	50.0000	50.997
	42 Trichloroethene	130	5.454	5.454	(1.062)	477455	50.0000	54.101
	43 1,2-Dichloropropane	63	5.632	5.632	(1.097)	358064	50.0000	50.524
	44 1,4-Dioxane	88	5.738	5.738	(1.118)	197355	2500.00	2810.5(A)
	45 Dibromomethane	93	5.738	5.738	(1.118)	240963	50.0000	47.757
	46 Bromodichloromethane	83	5.856	5.856	(1.141)	487346	50.0000	49.929
	47 2-Chloroethyl vinyl ether	63	6.105	6.105	(1.189)	538956	100.000	102.31
	48 cis-1,3-Dichloropropene	75	6.247	6.247	(1.217)	591234	50.0000	49.035
	49 4-Methyl-2-pentanone	43	6.365	6.365	(1.240)	1026887	100.000	100.87
	50 Toluene	91	6.554	6.554	(0.839)	1735761	50.0000	51.843
	51 trans-1,3-Dichloropropene	75	6.732	6.732	(0.862)	536283	50.0000	47.005
	52 Ethyl Methacrylate	69	6.803	6.803	(0.871)	579350	50.0000	48.814
	53 1,1,2-Trichloroethane	97	6.898	6.898	(0.883)	383226	50.0000	51.657
	54 1,3-Dichloropropane	76	7.051	7.051	(0.903)	654483	50.0000	50.592
	55 Tetrachloroethene	164	7.051	7.051	(0.903)	378381	50.0000	57.756
	56 2-Hexanone	43	7.111	7.111	(0.911)	787213	100.000	87.693
	57 Dibromochloromethane	129	7.264	7.264	(0.930)	398616	50.0000	50.762
	58 1,2-Dibromoethane	107	7.383	7.383	(0.945)	399806	50.0000	52.373
	59 Chlorobenzene	112	7.832	7.832	(1.003)	1131399	50.0000	49.963
	60 1,1,1,2-Tetrachloroethane	131	7.903	7.903	(1.012)	407133	50.0000	52.426
	61 Ethylbenzene	106	7.927	7.927	(1.015)	588360	50.0000	50.980
	62 m + p-Xylene	106	8.034	8.034	(1.029)	1517314	100.000	104.44
M	63 Xylenes (total)	106				2248370	150.000	152.16
	64 Xylene-o	106	8.412	8.412	(1.077)	731056	50.0000	47.723
	65 Styrene	104	8.424	8.424	(1.079)	1229289	50.0000	47.290

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3852.D
Report Date: 18-Nov-2004 09:22

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)	325021	50.0000	55.880
67 Isopropylbenzene	105	8.767	8.767	(1.123)	1688435	50.0000	49.721
68 1,1,2,2-Tetrachloroethane	83	9.039	9.039	(0.900)	505069	50.0000	48.706
69 1,4-Dichloro-2-butene	53	9.087	9.087	(0.905)	112716	50.0000	42.327
70 1,2,3-Trichloropropane	110	9.087	9.087	(0.905)	202656	50.0000	47.151
71 Bromobenzene	156	9.063	9.063	(0.902)	526540	50.0000	53.517
72 n-Propylbenzene	120	9.158	9.158	(0.912)	502212	50.0000	47.394
73 2-Chlorotoluene	126	9.252	9.252	(0.921)	458767	50.0000	49.429
74 1,3,5-Trimethylbenzene	105	9.335	9.335	(0.929)	1417274	50.0000	45.460
75 4-Chlorotoluene	126	9.359	9.359	(0.932)	473818	50.0000	48.592
76 tert-Butylbenzene	119	9.655	9.655	(0.961)	1232169	50.0000	49.519
77 1,2,4-Trimethylbenzene	105	9.702	9.702	(0.966)	1460786	50.0000	46.498
78 sec-Butylbenzene	105	9.868	9.868	(0.982)	1604210	50.0000	46.537
79 4-Isopropyltoluene	119	10.010	10.010	(0.996)	1392504	50.0000	47.453
80 1,3-Dichlorobenzene	146	9.986	9.986	(0.994)	920555	50.0000	50.083
81 1,4-Dichlorobenzene	146	10.069	10.069	(1.002)	984096	50.0000	49.246
82 n-Butylbenzene	91	10.412	10.412	(1.037)	1070114	50.0000	50.470
83 1,2-Dichlorobenzene	146	10.436	10.436	(1.039)	904853	50.0000	52.683
84 1,2-Dibromo-3-chloropropane	157	11.205	11.205	(1.115)	139949	50.0000	55.516
85 1,2,4-Trichlorobenzene	180	12.033	12.033	(1.198)	494937	50.0000	62.959
86 Hexachlorobutadiene	225	12.211	12.211	(1.216)	202355	50.0000	69.313
87 Naphthalene	128	12.282	12.282	(1.223)	1415157	50.0000	49.682
88 1,2,3-Trichlorobenzene	180	12.530	12.530	(1.247)	466577	50.0000	61.177
98 Cyclohexane	56	4.673	4.673	(0.910)	543733	50.0000	57.865
143 Methyl Acetate	43	3.040	3.040	(0.592)	767620	100.000	107.91
144 Methylcyclohexane	83	5.632	5.632	(1.097)	533983	50.0000	56.893
141 1,3,5-Trichlorobenzene	180	11.430	11.430	(1.138)	564408	50.0000	59.402

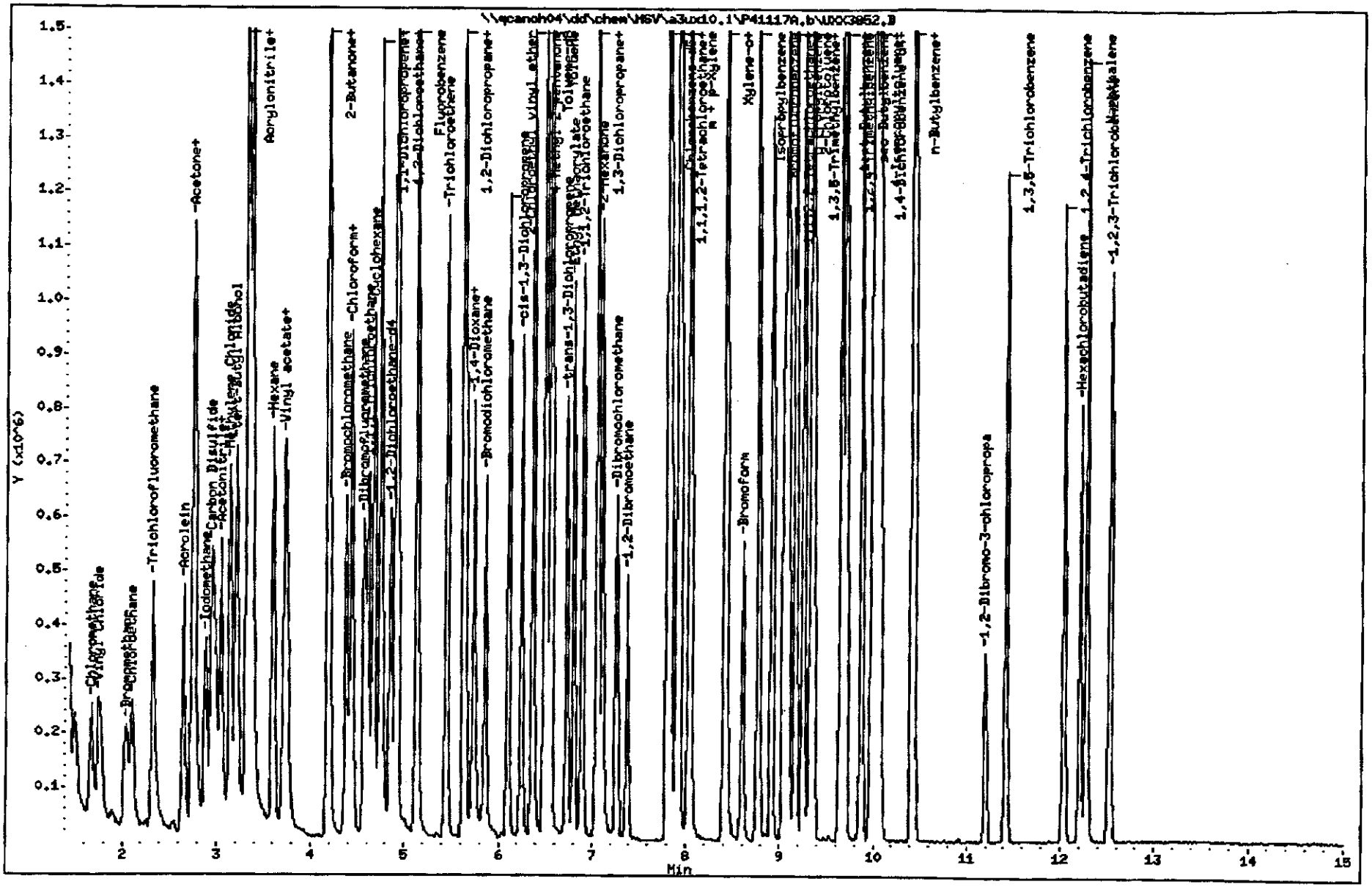
QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P41117A.b\UXX3852.D
Date : 17-NOV-2004 10:01
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i

Operator: 1904
Column diameter: 0.18



SEVERN TRENT STL

RAW QC DATA

Data File: \\qoanoh04\dd\chem\MSV\a3ud10.i\P40812A-IC.b\BFB1360.D

Date : 12-AUG-2004 06:10

Client ID: 50NG BFB

Instrument: a3ud10.i

Sample Info:

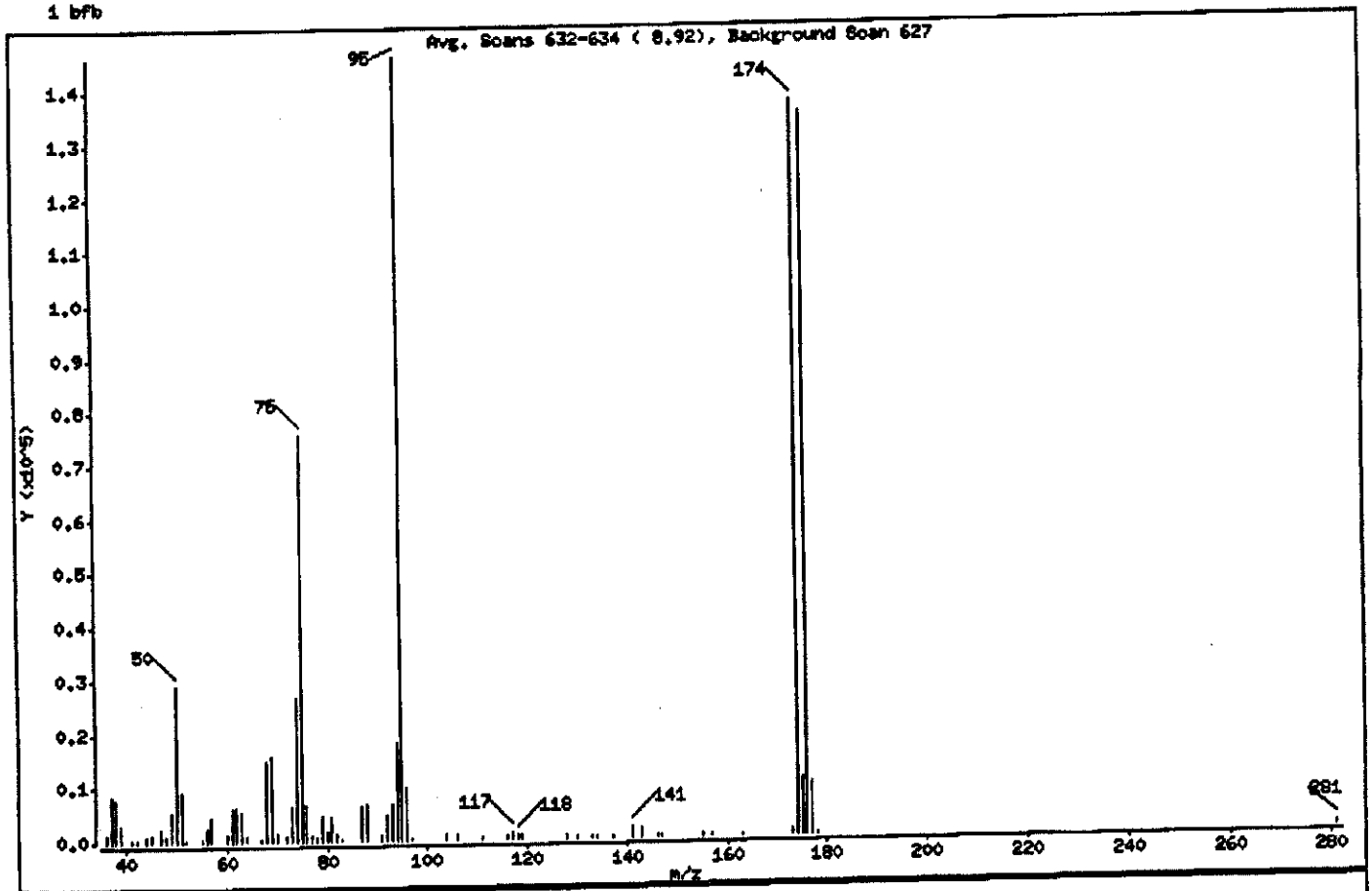
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



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

Data File: \\qpanoh04\dd\chem\MSV\a3ux10.i\P40812A-IC.b\BFB1360.D

Date : 12-AUG-2004 06:10

Client ID: BONG BFB

Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB1360.D
Spectrum: Avg. Scans 632-634 (8.92), Background Scan 627
Location of Maximum: 95.00
Number of points: 73

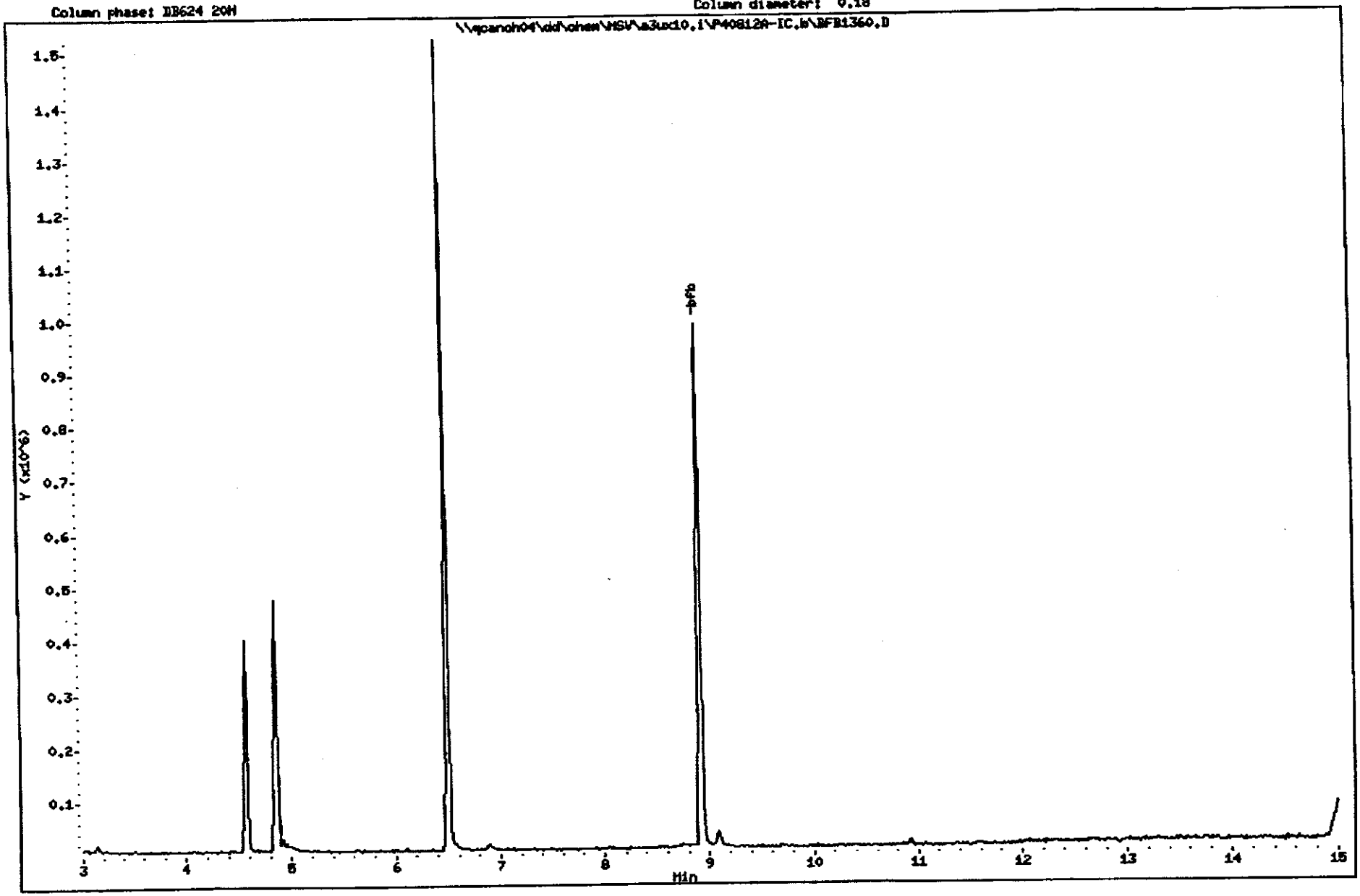
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1306	62.00	6346	87.00	6413	134.00	190
37.00	8381	63.00	5411	88.00	6667	137.00	421
38.00	7881	64.00	861	91.00	857	141.00	1860
39.00	3082	67.00	402	92.00	4747	143.00	1759
41.00	173	68.00	14684	93.00	6679	146.00	173
42.00	184	69.00	15926	94.00	18312	147.00	263
44.00	965	70.00	1436	95.00	146112	155.00	381
45.00	1415	72.00	1074	96.00	9870	157.00	270
47.00	2357	73.00	6406	97.00	182	163.00	171
48.00	906	74.00	26600	104.00	1076	173.00	861
49.00	5289	75.00	75600	106.00	869	174.00	137024
50.00	28872	76.00	6815	111.00	280	175.00	10344
51.00	8963	77.00	1053	116.00	710	176.00	135168
52.00	245	78.00	560	117.00	1195	177.00	9631
55.00	502	79.00	4590	118.00	779	178.00	221
56.00	2388	80.00	1541	119.00	680	281.00	794
57.00	4308	81.00	4461	128.00	599		
60.00	1393	82.00	1292	130.00	398		
61.00	6166	83.00	175	133.00	371		

Page 1

Data File: \\qcanoh04\dd\chem\HSV\a3ud10.i\P40812A-IC.b\BFB1360.D
Date : 12-AUG-2004 06:10
Client ID: 50NG BFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20M

Instrument: a3ud10.i

Operator: 1904
Column diameter: 0.18



Data File: \\qoanoh04\dd\ohem\MSV\a3ux10.i\P41006A-IC.b\BFB1416.D

Date : 06-OCT-2004 13:27

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

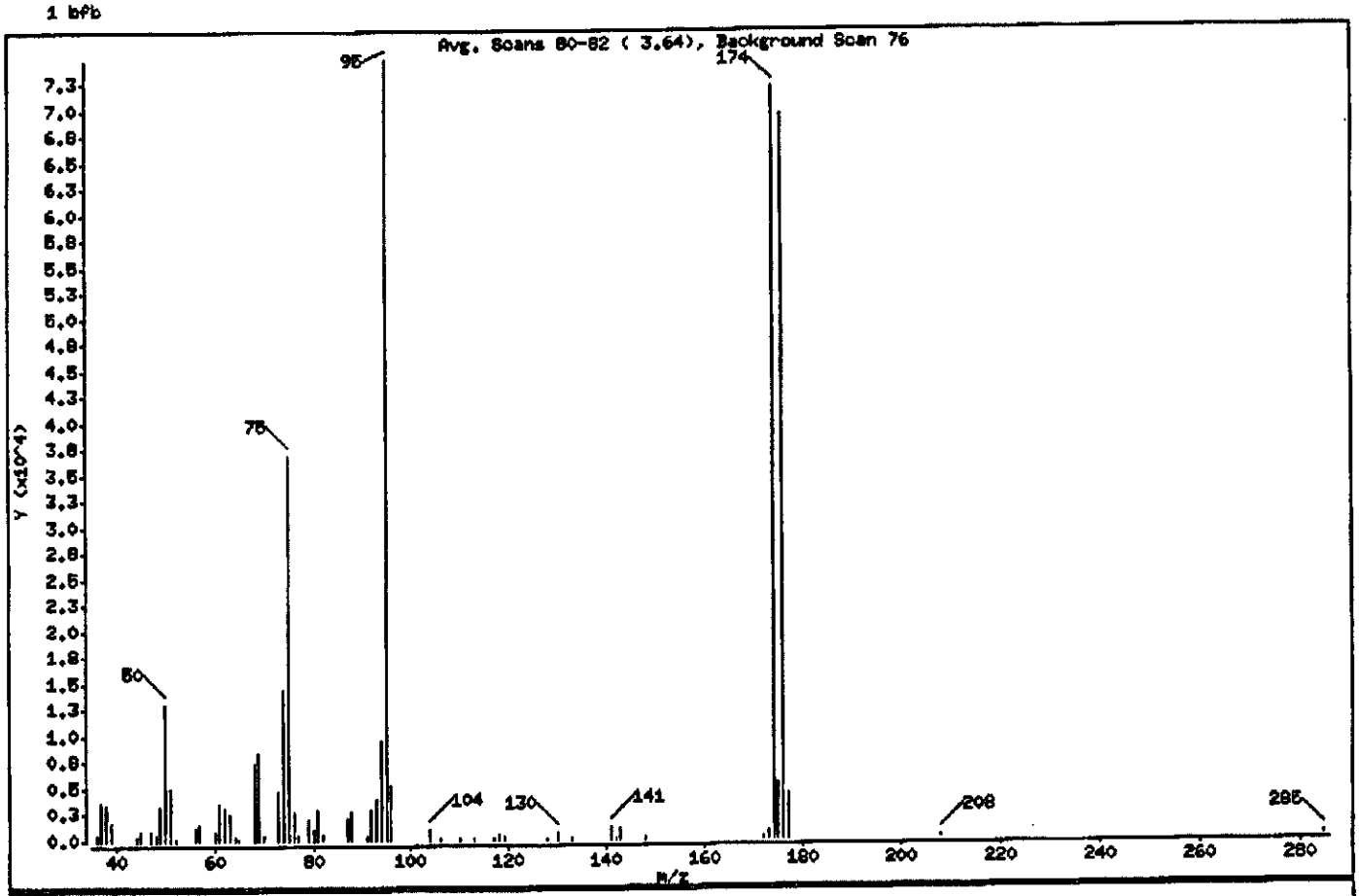
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.46
75	30.00 - 60.00% of mass 95	49.32
96	5.00 - 9.00% of mass 95	7.24
173	Less than 2.00% of mass 174	0.89 (0.93)
174	50.00 - 100.00% of mass 95	96.40
175	5.00 - 9.00% of mass 174	7.04 (7.30)
176	95.00 - 101.00% of mass 174	92.85 (96.31)
177	5.00 - 9.00% of mass 176	5.83 (6.28)

Data File: \\qcanch04\dd\chem\MSV\a3ux10.i\P4100BA-IC.b\BFB1416.D

Date : 05-OCT-2004 13:27

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

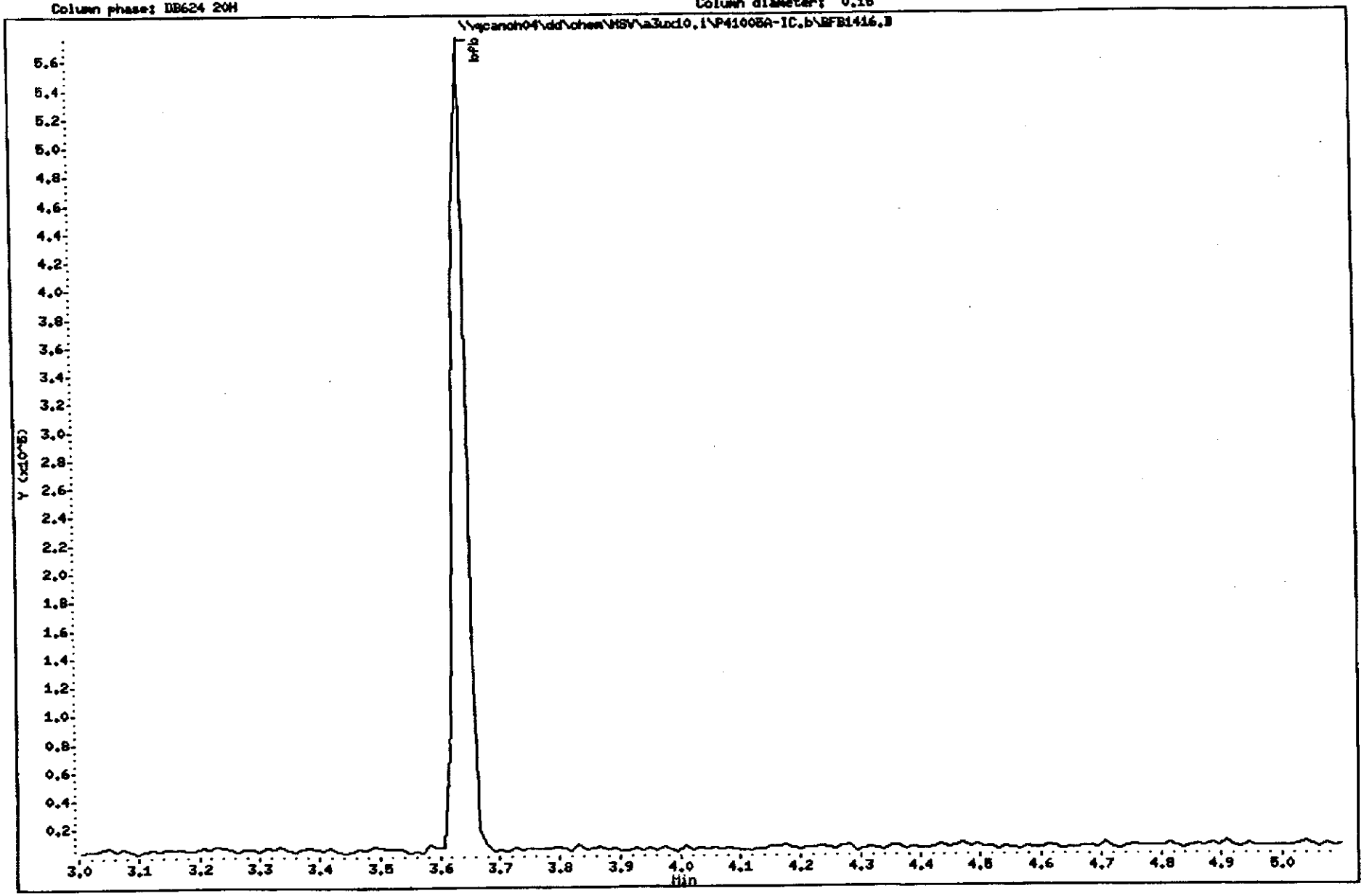
Data File: BFB1416.D
Spectrum: Avg. Scans 80-82 (3.64), Background Scan 76
Location of Maximum: 95.00
Number of points: 62

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	596	62.00	3140	87.00	2093	130.00	639
37.00	3567	63.00	2643	88.00	2745	133.00	195
38.00	3489	64.00	386	91.00	413	141.00	1209
39.00	1721	65.00	170	92.00	2850	142.00	230
44.00	360	68.00	7409	93.00	3917	143.00	958
45.00	887	69.00	8430	94.00	9521	148.00	189
47.00	825	70.00	496	95.00	74744	172.00	196
48.00	508	73.00	4583	96.00	5412	173.00	668
49.00	3322	74.00	14504	104.00	970	174.00	72056
50.00	13053	75.00	36864	106.00	218	175.00	5261
51.00	5057	76.00	2688	110.00	218	176.00	69400
52.00	226	77.00	461	113.00	203	177.00	4360
56.00	1148	79.00	2064	117.00	175	208.00	172
57.00	1605	80.00	971	118.00	535	285.00	178
60.00	787	81.00	2942	119.00	273		
61.00	3469	82.00	433	128.00	211		

Page 1

Data File: \\vpcanoh04\dd\chem\HSV\a3ucl0.i\P41005A-IC.b\BFB1416.D
Date : 05-OCT-2004 13:27
Client ID: 50NG BFB
Sample Info:
Volume Injected (ul): 1.0
Column phase: DB624 20M

Instrument: a3ucl0.i
Operator: 1904
Column diameter: 0.18



Data File: \\qoanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\BFB1501.D

Date : 17-NOV-2004 09:42

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

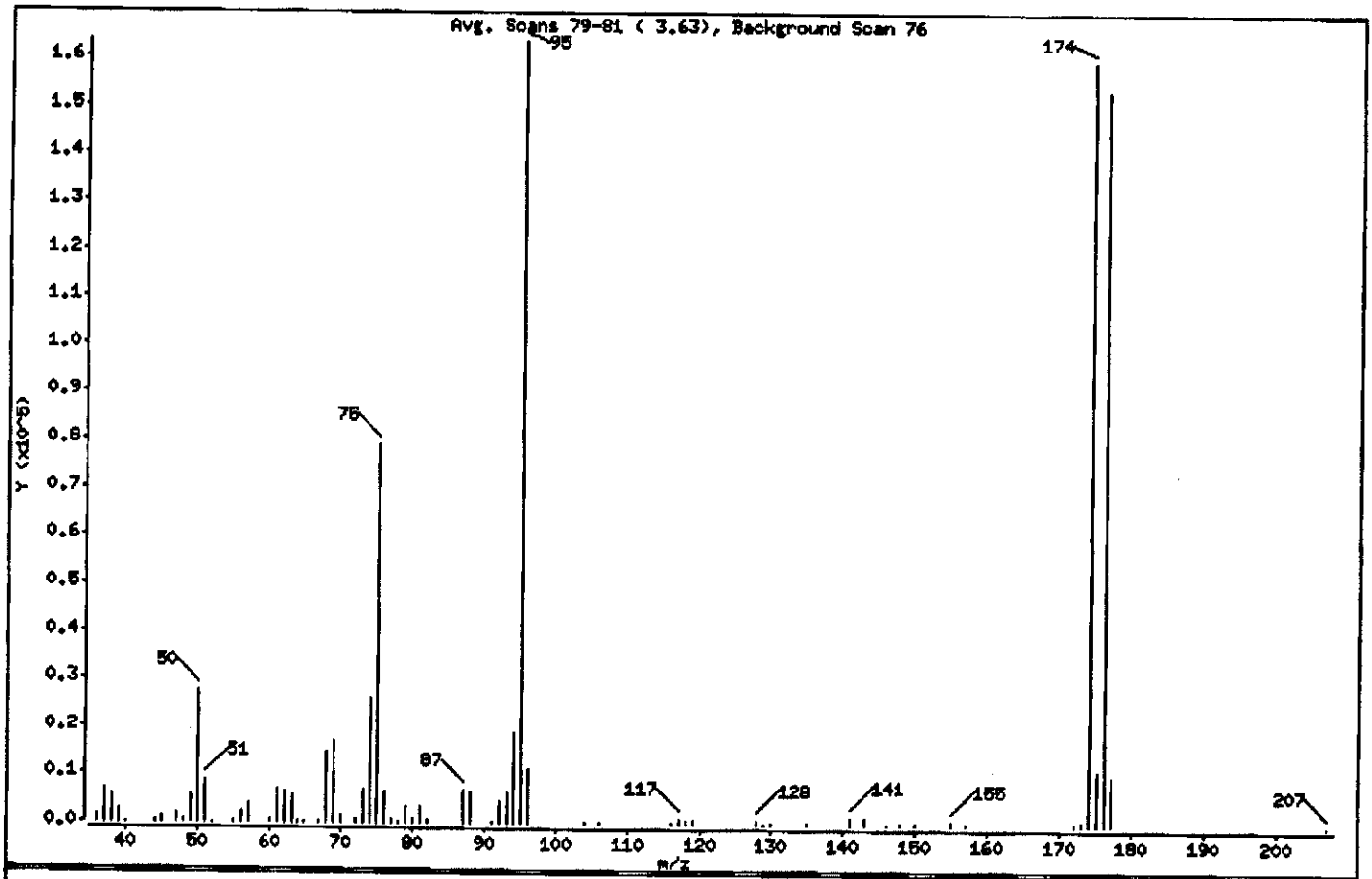
Volume Injected (uL): 1.0

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	16.84
75	30.00 - 60.00% of mass 95	48.33
96	5.00 - 9.00% of mass 95	6.94
173	Less than 2.00% of mass 174	0.48 (0.50)
174	50.00 - 100.00% of mass 95	97.41
175	5.00 - 9.00% of mass 174	6.84 (7.02)
176	95.00 - 101.00% of mass 174	93.92 (96.42)
177	5.00 - 9.00% of mass 176	6.23 (6.64)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\BFB1501.D

Date : 17-NOV-2004 09:42

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: BFB1501.D

Spectrum: Avg. Scans 79-81 (3.63), Background Scan 76

Location of Maximum: 95.00

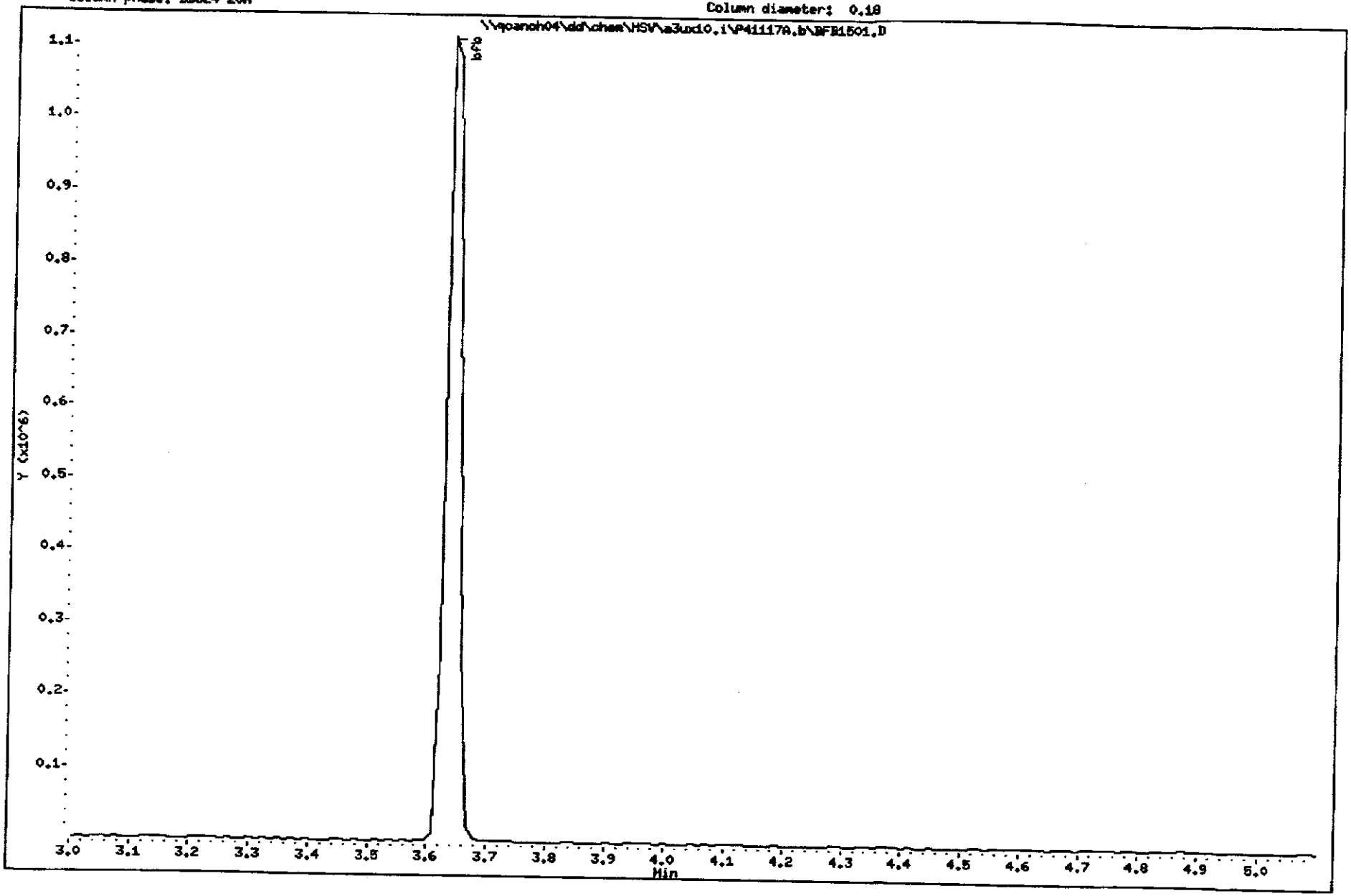
Number of points: 69

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1450	62.00	6620	82.00	662	135.00	191
37.00	6934	63.00	5748	87.00	6877	141.00	1620
38.00	5721	64.00	438	88.00	6391	143.00	1600
39.00	2654	65.00	202	91.00	386	146.00	173
40.00	129	67.00	469	92.00	4360	148.00	203
44.00	342	68.00	14504	93.00	6341	150.00	189
45.00	1166	69.00	16728	94.00	18816	155.00	578
47.00	1959	70.00	1406	95.00	163456	157.00	315
48.00	890	72.00	777	96.00	11352	172.00	210
49.00	5769	73.00	6713	104.00	515	173.00	789
50.00	27520	74.00	25976	106.00	457	174.00	159168
51.00	8714	75.00	79000	116.00	541	175.00	11174
52.00	170	76.00	6364	117.00	1260	176.00	153472
55.00	205	77.00	937	118.00	596	177.00	10188
56.00	2364	78.00	488	119.00	697	207.00	100
57.00	3586	79.00	3390	128.00	622		
60.00	875	80.00	692	129.00	169		
61.00	6730	81.00	3311	130.00	406		

Data File: \\vqcanoh04\dd\chem\HSV\a3ucl0.i\P41117A.b\BFB1501.D
Date : 17-NOV-2004 09:42
Client ID: 50NG BFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20M

Instrument: a3ucl0.i

Operator: 1904
Column diameter: 0.18



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4K120249 **Work Order #...:** GW8891AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4K180000-190 GW8891AD-LCSD
Prep Date.....: 11/17/04 **Analysis Date..:** 11/17/04
Prep Batch #...: 4323190
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	155	(22 - 200)			SW846 8260B
	155	(22 - 200)	0.050	(0-95)	SW846 8260B
Benzene	**97**	**(80 - 116)**			**SW846 8260B**
	100	**(80 - 116)**	**2.6**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	94	(87 - 130)			SW846 8260B
	96	(87 - 130)	1.7	(0-30)	SW846 8260B
Bromoform	102	(76 - 150)			SW846 8260B
	103	(76 - 150)	1.2	(0-30)	SW846 8260B
Bromomethane	92	(64 - 129)			SW846 8260B
	90	(64 - 129)	2.1	(0-30)	SW846 8260B
2-Butanone	129	(28 - 237)			SW846 8260B
	125	(28 - 237)	3.6	(0-65)	SW846 8260B
Carbon disulfide	118	(73 - 139)			SW846 8260B
	115	(73 - 139)	2.7	(0-30)	SW846 8260B
Carbon tetrachloride	100	(75 - 149)			SW846 8260B
	97	(75 - 149)	2.6	(0-30)	SW846 8260B
Chlorobenzene	**98**	**(76 - 117)**			**SW846 8260B**
	97	**(76 - 117)**	**1.2**	**(0-20)**	**SW846 8260B**
Dichlorodifluoromethane	81	(70 - 130)			SW846 8260B
	72	(70 - 130)	12	(0-30)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	119	(70 - 130)			SW846 8260B
	112	(70 - 130)	6.0	(0-30)	SW846 8260B
Methyl acetate	101	(70 - 130)			SW846 8260B
	108	(70 - 130)	6.0	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	95	(70 - 130)			SW846 8260B
	96	(70 - 130)	1.6	(0-30)	SW846 8260B
Cyclohexane	101	(70 - 130)			SW846 8260B
	97	(70 - 130)	4.4	(0-30)	SW846 8260B
Methylcyclohexane	99	(70 - 130)			SW846 8260B
	94	(70 - 130)	5.1	(0-30)	SW846 8260B
Dibromochloromethane	97	(81 - 138)			SW846 8260B
	97	(81 - 138)	0.58	(0-30)	SW846 8260B
Isopropylbenzene	98	(70 - 130)			SW846 8260B
	97	(70 - 130)	1.5	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4K120249 **Work Order #...:** GW8891AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4K180000-190 GW8891AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,3-Dichlorobenzene	97	(70 - 130)			SW846 8260B
	97	(70 - 130)	0.53	(0-30)	SW846 8260B
Chloroethane	106	(66 - 126)			SW846 8260B
	105	(66 - 126)	0.64	(0-30)	SW846 8260B
1,4-Dichlorobenzene	96	(70 - 130)			SW846 8260B
	96	(70 - 130)	0.38	(0-30)	SW846 8260B
1,2-Dichlorobenzene	99	(70 - 130)			SW846 8260B
	100	(70 - 130)	0.51	(0-30)	SW846 8260B
1,2,4-Trichloro-benzene	121	(70 - 130)			SW846 8260B
	122	(70 - 130)	0.18	(0-30)	SW846 8260B
Chloroform	91	(84 - 128)			SW846 8260B
	92	(84 - 128)	1.1	(0-30)	SW846 8260B
Chloromethane	85	(48 - 123)			SW846 8260B
	86	(48 - 123)	0.85	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro-propane	98	(70 - 130)			SW846 8260B
	99	(70 - 130)	0.65	(0-30)	SW846 8260B
1,2-Dibromoethane	100	(70 - 130)			SW846 8260B
	100	(70 - 130)	0.10	(0-30)	SW846 8260B
1,1-Dichloroethane	98	(86 - 123)			SW846 8260B
	97	(86 - 123)	0.59	(0-30)	SW846 8260B
1,2-Dichloroethane	87	(79 - 136)			SW846 8260B
	88	(79 - 136)	0.35	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	98	(85 - 113)			SW846 8260B
	99	(85 - 113)	1.4	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	98	(79 - 120)			SW846 8260B
	98	(79 - 120)	0.060	(0-30)	SW846 8260B
1,1-Dichloroethene	**105**	**(63 - 130)**			**SW846 8260B**
	99	**(63 - 130)**	**5.4**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	98	(82 - 116)			SW846 8260B
	98	(82 - 116)	0.67	(0-30)	SW846 8260B
1,2-Dichloropropane	99	(82 - 115)			SW846 8260B
	102	(82 - 115)	2.7	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	93	(84 - 130)			SW846 8260B
	92	(84 - 130)	1.2	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	87	(84 - 130)			SW846 8260B
	88	(84 - 130)	1.3	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4K120249 **Work Order #...:** GW8891AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4K180000-190 GW8891AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethylbenzene	99	(86 - 116)			SW846 8260B
	98	(86 - 116)	1.2	(0-30)	SW846 8260B
2-Hexanone	84	(35 - 200)			SW846 8260B
	84	(35 - 200)	0.11	(0-52)	SW846 8260B
Methylene chloride	107	(78 - 118)			SW846 8260B
	108	(78 - 118)	0.45	(0-30)	SW846 8260B
4-Methyl-2-pentanone	89	(78 - 141)			SW846 8260B
	92	(78 - 141)	2.6	(0-32)	SW846 8260B
Styrene	89	(85 - 117)			SW846 8260B
	89	(85 - 117)	0.53	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	94	(85 - 118)			SW846 8260B
	96	(85 - 118)	1.7	(0-30)	SW846 8260B
Tetrachloroethene	113	(88 - 113)			SW846 8260B
	109	(88 - 113)	3.5	(0-30)	SW846 8260B
Toluene	**101**	**(74 - 119)**			**SW846 8260B**
	100	**(74 - 119)**	**0.32**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	96	(78 - 140)			SW846 8260B
	97	(78 - 140)	1.3	(0-30)	SW846 8260B
1,1,2-Trichloroethane	97	(83 - 122)			SW846 8260B
	99	(83 - 122)	2.2	(0-30)	SW846 8260B
Trichloroethene	**104**	**(75 - 122)**			**SW846 8260B**
	107	**(75 - 122)**	**2.4**	**(0-20)**	**SW846 8260B**
Trichlorofluoromethane	118	(70 - 130)			SW846 8260B
	113	(70 - 130)	4.8	(0-30)	SW846 8260B
Vinyl chloride	92	(61 - 120)			SW846 8260B
	89	(61 - 120)	2.6	(0-30)	SW846 8260B
Xylenes (total)	97	(87 - 116)			SW846 8260B
	97	(87 - 116)	0.48	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
	95	(61 - 128)
Toluene-d8	106	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	101	(74 - 116)
	102	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4K120249 **Work Order #...:** GW8891AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4K180000-190 GW8891AD-LCSD
Prep Date.....: 11/17/04 **Analysis Date..:** 11/17/04
Prep Batch #...: 4323190
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	16	ug/L	155		SW846 8260B
	10	16	ug/L	155	0.050	SW846 8260B
Benzene	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**2.6**	**SW846 8260B**
Bromodichloromethane	10	9.4	ug/L	94		SW846 8260B
	10	9.6	ug/L	96	1.7	SW846 8260B
Bromoform	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	103	1.2	SW846 8260B
Bromomethane	10	9.2	ug/L	92		SW846 8260B
	10	9.0	ug/L	90	2.1	SW846 8260B
2-Butanone	10	13	ug/L	129		SW846 8260B
	10	12	ug/L	125	3.6	SW846 8260B
Carbon disulfide	10	12	ug/L	118		SW846 8260B
	10	11	ug/L	115	2.7	SW846 8260B
Carbon tetrachloride	10	10	ug/L	100		SW846 8260B
	10	9.7	ug/L	97	2.6	SW846 8260B
Chlorobenzene	**10**	**9.8**	**ug/L**	**98**		**SW846 8260B**
	10	**9.7**	**ug/L**	**97**	**1.2**	**SW846 8260B**
Dichlorodifluoromethane	10	8.1	ug/L	81		SW846 8260B
	10	7.2	ug/L	72	12	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	10	12	ug/L	119		SW846 8260B
	10	11	ug/L	112	6.0	SW846 8260B
Methyl acetate	10	10	ug/L	101		SW846 8260B
	10	11	ug/L	108	6.0	SW846 8260B
Methyl tert-butyl ether (MTBE)	10	9.5	ug/L	95		SW846 8260B
	10	9.6	ug/L	96	1.6	SW846 8260B
Cyclohexane	10	10	ug/L	101		SW846 8260B
	10	9.7	ug/L	97	4.4	SW846 8260B
Methylcyclohexane	10	9.9	ug/L	99		SW846 8260B
	10	9.4	ug/L	94	5.1	SW846 8260B
Dibromochloromethane	10	9.7	ug/L	97		SW846 8260B
	10	9.7	ug/L	97	0.58	SW846 8260B
Isopropylbenzene	10	9.8	ug/L	98		SW846 8260B
	10	9.7	ug/L	97	1.5	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4K120249 **Work Order #...:** GW8891AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4K180000-190 GW8891AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,3-Dichlorobenzene	10	9.7	ug/L	97		SW846 8260B
	10	9.7	ug/L	97	0.53	SW846 8260B
Chloroethane	10	11	ug/L	106		SW846 8260B
	10	11	ug/L	105	0.64	SW846 8260B
1,4-Dichlorobenzene	10	9.6	ug/L	96		SW846 8260B
	10	9.6	ug/L	96	0.38	SW846 8260B
1,2-Dichlorobenzene	10	9.9	ug/L	99		SW846 8260B
	10	10	ug/L	100	0.51	SW846 8260B
1,2,4-Trichloro-benzene	10	12	ug/L	121		SW846 8260B
	10	12	ug/L	122	0.18	SW846 8260B
Chloroform	10	9.1	ug/L	91		SW846 8260B
	10	9.2	ug/L	92	1.1	SW846 8260B
Chloromethane	10	8.5	ug/L	85		SW846 8260B
	10	8.6	ug/L	86	0.85	SW846 8260B
1,2-Dibromo-3-chloro-propane	10	9.8	ug/L	98		SW846 8260B
	10	9.9	ug/L	99	0.65	SW846 8260B
1,2-Dibromoethane	10	10	ug/L	100		SW846 8260B
	10	10	ug/L	100	0.10	SW846 8260B
1,1-Dichloroethane	10	9.8	ug/L	98		SW846 8260B
	10	9.7	ug/L	97	0.59	SW846 8260B
1,2-Dichloroethane	10	8.7	ug/L	87		SW846 8260B
	10	8.8	ug/L	88	0.35	SW846 8260B
cis-1,2-Dichloroethene	10	9.8	ug/L	98		SW846 8260B
	10	9.9	ug/L	99	1.4	SW846 8260B
trans-1,2-Dichloroethene	10	9.8	ug/L	98		SW846 8260B
	10	9.8	ug/L	98	0.060	SW846 8260B
1,1-Dichloroethene	**10**	**10**	**ug/L**	**105**		**SW846 8260B**
	10	**9.9**	**ug/L**	**99**	**5.4**	**SW846 8260B**
1,2-Dichloroethene (total)	20	20	ug/L	98		SW846 8260B
	20	20	ug/L	98	0.67	SW846 8260B
1,2-Dichloropropane	10	9.9	ug/L	99		SW846 8260B
	10	10	ug/L	102	2.7	SW846 8260B
cis-1,3-Dichloropropene	10	9.3	ug/L	93		SW846 8260B
	10	9.2	ug/L	92	1.2	SW846 8260B
trans-1,3-Dichloropropene	10	8.7	ug/L	87		SW846 8260B
	10	8.8	ug/L	88	1.3	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4K120249 **Work Order #...:** GW8891AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4K180000-190 GW8891AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethylbenzene	10	9.9	ug/L	99		SW846 8260B
	10	9.8	ug/L	98	1.2	SW846 8260B
2-Hexanone	10	8.4	ug/L	84		SW846 8260B
	10	8.4	ug/L	84	0.11	SW846 8260B
Methylene chloride	10	11	ug/L	107		SW846 8260B
	10	11	ug/L	108	0.45	SW846 8260B
4-Methyl-2-pentanone	10	8.9	ug/L	89		SW846 8260B
	10	9.2	ug/L	92	2.6	SW846 8260B
Styrene	10	8.9	ug/L	89		SW846 8260B
	10	8.9	ug/L	89	0.53	SW846 8260B
1,1,2,2-Tetrachloroethane	10	9.4	ug/L	94		SW846 8260B
	10	9.6	ug/L	96	1.7	SW846 8260B
Tetrachloroethene	10	11	ug/L	113		SW846 8260B
	10	11	ug/L	109	3.5	SW846 8260B
Toluene	**10**	**10**	**ug/L**	**101**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**0.32**	**SW846 8260B**
1,1,1-Trichloroethane	10	9.6	ug/L	96		SW846 8260B
	10	9.7	ug/L	97	1.3	SW846 8260B
1,1,2-Trichloroethane	10	9.7	ug/L	97		SW846 8260B
	10	9.9	ug/L	99	2.2	SW846 8260B
Trichloroethene	**10**	**10**	**ug/L**	**104**		**SW846 8260B**
	10	**11**	**ug/L**	**107**	**2.4**	**SW846 8260B**
Trichlorofluoromethane	10	12	ug/L	118		SW846 8260B
	10	11	ug/L	113	4.8	SW846 8260B
Vinyl chloride	10	9.2	ug/L	92		SW846 8260B
	10	8.9	ug/L	89	2.6	SW846 8260B
Xylenes (total)	30	29	ug/L	97		SW846 8260B
	30	29	ug/L	97	0.48	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
	95	(61 - 128)
Toluene-d8	106	(76 - 110)
	104	(76 - 110)
4-Bromofluorobenzene	101	(74 - 116)
	102	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3854.D
Report Date: 18-Nov-2004 09:25

GW 8891AC

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3854.D
Lab Smp Id: CHECK
Inj Date : 17-NOV-2004 10:47
Operator : 1904 Inst ID: a3ux10.i
Smp Info : CHECK
Misc Info : P41117A,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\8260LLUX10.m
Meth Date : 18-Nov-2004 09:22 roachc Quant Type: ISTD
Cal Date : 24-AUG-2004 04:31 Cal File: UXX0872.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

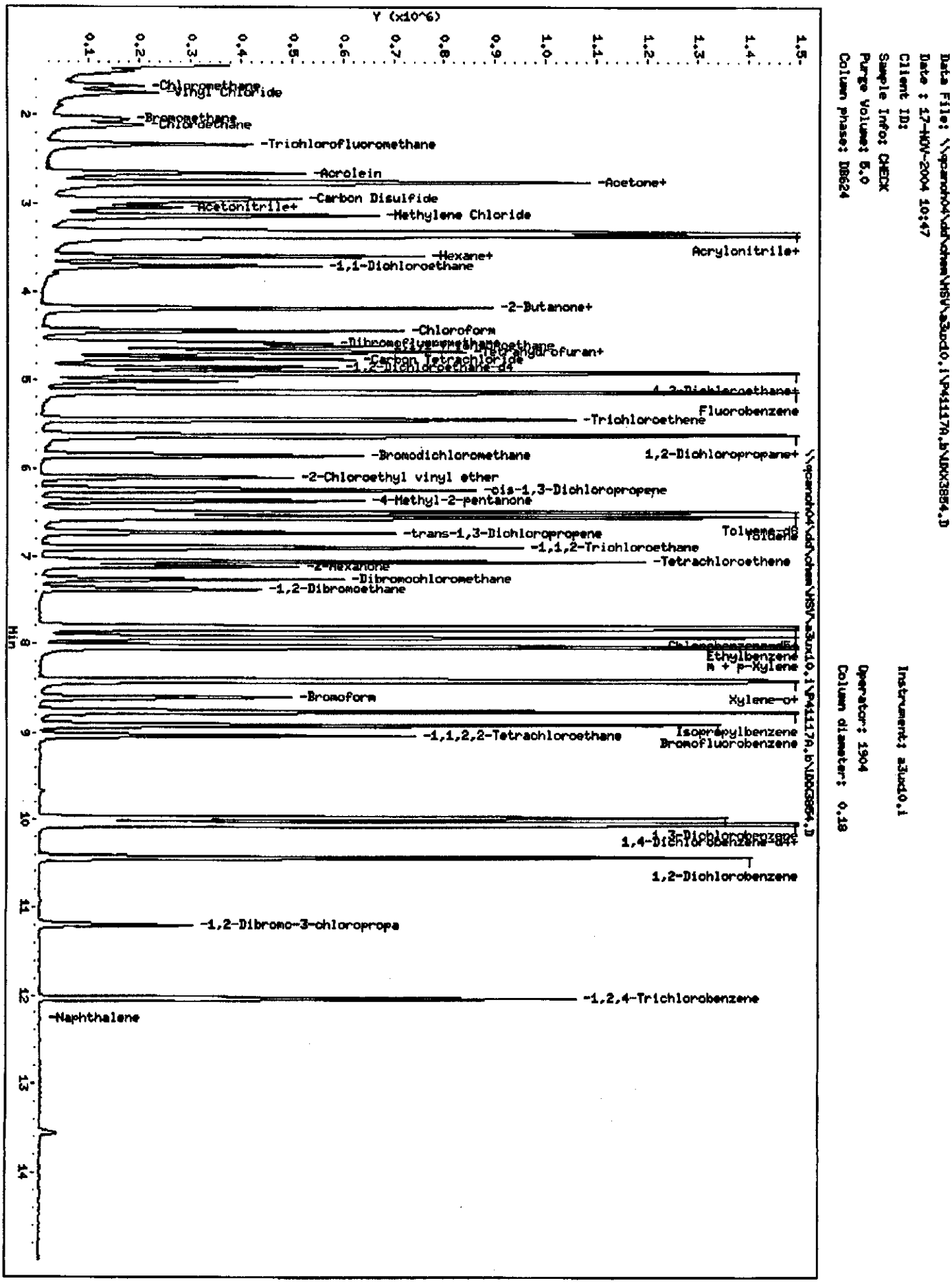
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.137	5.135	(1.000)	1927087	50.0000	
* 2 Chlorobenzene-d5	117	7.811	7.809	(1.000)	1421287	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.047	10.045	(1.000)	727153	50.0000	
$ 4 Dibromofluoromethane	113	4.569	4.567	(0.889)	359398	49.2345	9.847
$ 5 1,2-Dichloroethane-d4	65	4.853	4.851	(0.945)	419614	46.2537	9.251
$ 6 Toluene-d8	98	6.497	6.495	(0.832)	1503203	52.8306	10.566
$ 7 Bromofluorobenzene	95	8.911	8.909	(1.141)	519657	50.7439	10.149
8 Dichlorodifluoromethane	85	1.504	1.502	(0.293)	190305	40.4431	8.089
9 Chloromethane	50	1.670	1.668	(0.325)	286729	42.5926	8.518
10 Vinyl Chloride	62	1.741	1.739	(0.339)	335339	45.9376	9.188
11 Bromomethane	94	2.048	2.046	(0.399)	234024	45.9397	9.188
12 Chloroethane	64	2.107	2.105	(0.410)	248469	52.9271	10.585
13 Trichlorofluoromethane	101	2.320	2.330	(0.452)	506335	59.1738	11.835
15 Acrolein	56	2.652	2.650	(0.516)	670865	896.147	179.23
16 Acetone	43	2.770	2.768	(0.539)	239705	77.6201	15.524
17 1,1-Dichloroethene	96	2.758	2.756	(0.537)	329361	52.4249	10.485
18 Freon-113	151	2.758	2.756	(0.537)	265243	59.3470	11.869
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3854.D
Report Date: 18-Nov-2004 09:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.947	2.945	(0.574)	994476	59.0795	11.816
	21 Methylene Chloride	84	3.137	3.135	(0.611)	398272	53.5115	10.702
	22 Acetonitrile	41	2.995	2.993	(0.583)	403512	505.482	101.10
	23 Acrylonitrile	53	3.326	3.324	(0.648)	1818098	496.595	99.319
	24 Methyl tert-butyl ether	73	3.373	3.371	(0.657)	1019107	47.3856	9.477
	25 trans-1,2-Dichloroethene	96	3.373	3.371	(0.657)	382340	48.9003	9.780
	26 Hexane	86	3.598	3.596	(0.701)	84125	64.8433	12.969
	27 Vinyl acetate	43	3.598	3.738	(0.701)	238479	16.6793	3.336
	28 1,1-Dichloroethane	63	3.705	3.715	(0.721)	613059	48.9781	9.796
	29 tert-Butyl Alcohol	59	3.042	3.206	(0.592)	29759	37.7675	7.553
	30 2-Butanone	43	4.178	4.176	(0.813)	288066	64.7105	12.942
M	31 1,2-Dichloroethene (total)	96				775349	97.7007	19.540
	32 cis-1,2-dichloroethene	96	4.178	4.188	(0.813)	393009	48.8005	9.760
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.438	4.436	(0.864)	607031	45.7008	9.140
	36 Tetrahydrofuran	42	4.663	4.425	(0.908)	109815	36.1897	7.238
	37 1,1,1-Trichloroethane	97	4.604	4.614	(0.896)	472289	47.9291	9.586
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.758	4.756	(0.926)	435174	49.8174	9.963
	40 1,2-Dichloroethane	62	4.912	4.910	(0.956)	483176	43.7470	8.749
	41 Benzene	78	4.912	4.910	(0.956)	1538737	48.6066	9.721
	42 Trichloroethene	130	5.456	5.454	(1.062)	455507	52.1491	10.430
	43 1,2-Dichloropropane	63	5.634	5.632	(1.097)	346423	49.3882	9.878
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.858	5.856	(1.141)	455719	47.1724	9.434
	47 2-Chloroethyl vinyl ether	63	6.107	6.105	(1.189)	230816	47.2682	9.454
	48 cis-1,3-Dichloropropene	75	6.249	6.247	(1.217)	552850	46.4596	9.292
	49 4-Methyl-2-pentanone	43	6.367	6.365	(1.240)	450850	44.7444	8.949
	50 Toluene	91	6.556	6.554	(0.839)	1643639	50.4089	10.082
	51 trans-1,3-Dichloropropene	75	6.734	6.732	(0.862)	479137	43.3522	8.670
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.900	6.898	(0.883)	350934	48.5732	9.715
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.053	7.051	(0.903)	360593	56.5173	11.303
	56 2-Hexanone	43	7.113	7.111	(0.911)	349610	41.8801	8.376
	57 Dibromochloromethane	129	7.266	7.264	(0.930)	371687	48.6027	9.720
	58 1,2-Dibromoethane	107	7.373	7.383	(0.944)	371591	49.9827	9.996
	59 Chlorobenzene	112	7.834	7.832	(1.003)	1080473	48.9941	9.799
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.929	7.927	(1.015)	557396	49.5925	9.918
	62 m + p-Xylene	106	8.036	8.034	(1.029)	1432459	101.246	20.249
M	63 Xylenes (total)	106				2100884	146.194	29.239
	64 Xylene-o	106	8.414	8.412	(1.077)	668425	44.9476	8.990
	65 Styrene	104	8.426	8.424	(1.079)	1127651	44.7129	8.942
	66 Bromoform	173	8.604	8.602	(1.101)	289116	51.0408	10.208

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3854.D
Report Date: 18-Nov-2004 09:25

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.769	8.767	(1.123)	1620428	49.0375	9.807
68 1,1,2,2-Tetrachloroethane	83	9.030	9.039	(0.899)	444282	47.1351	9.427
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.988	9.986	(0.994)	808689	48.4032	9.681
81 1,4-Dichlorobenzene	146	10.071	10.069	(1.002)	874337	48.1351	9.627
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.438	10.436	(1.039)	774677	49.6207	9.924
84 1,2-Dibromo-3-chloropropane	157	11.195	11.205	(1.114)	112329	49.0218	9.804
85 1,2,4-Trichlorobenzene	180	12.035	12.033	(1.198)	433743	60.7007	12.140
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.284	12.282	(1.223)	4757	3.18533	0.6371
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.675	4.673	(0.910)	466899	50.7446	10.149
143 Methyl Acetate	43	3.042	3.040	(0.592)	357024	50.7095	10.142
144 Methylcyclohexane	83	5.634	5.632	(1.097)	453908	49.5910	9.918
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					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Date : 17-NOV-2004 10:47
Client ID:
Sample Info: CHECK
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+
-Carbon Disulfide
-Acetonitrile+
-Methylene Chloride
Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Fluorobenzene
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
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
-Naphthalene

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3855.D
Report Date: 18-Nov-2004 09:26

GW8891AD

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3855.D
Lab Smp Id: CHECK
Inj Date : 17-NOV-2004 11:10
Operator : 1904 Inst ID: a3ux10.i
Smp Info : CHECK
Misc Info : P41117A,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\8260LLUX10.m
Meth Date : 18-Nov-2004 09:22 roachc Quant Type: ISTD
Cal Date : 24-AUG-2004 04:31 Cal File: UXX0872.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

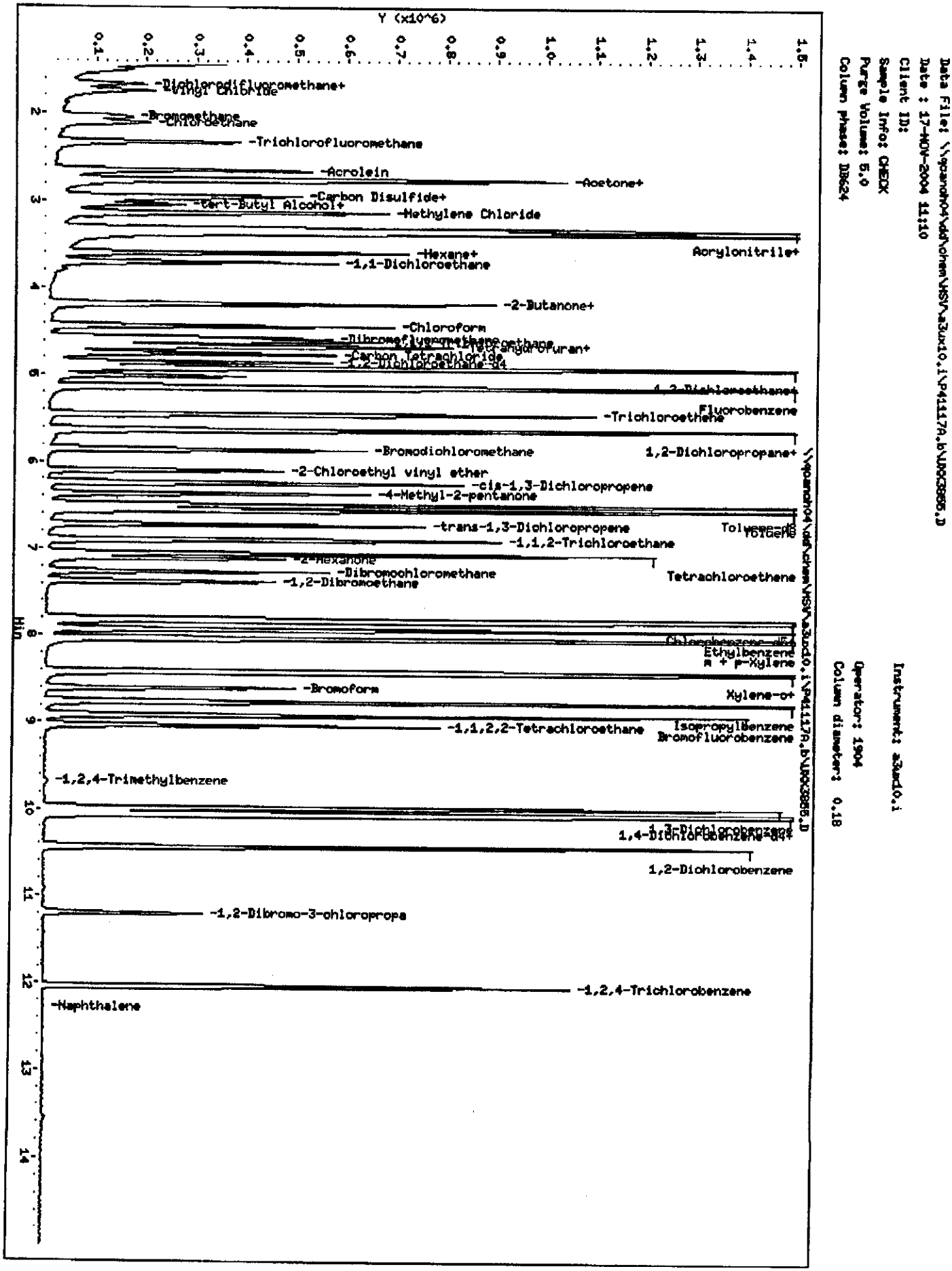
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.138	5.135	(1.000)	1908535	50.0000	
* 2 Chlorobenzene-d5	117	7.813	7.809	(1.000)	1432309	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.049	10.045	(1.000)	731924	50.0000	
$ 4 Dibromofluoromethane	113	4.570	4.567	(0.889)	362343	50.1204	10.024
$ 5 1,2-Dichloroethane-d4	65	4.854	4.851	(0.945)	425784	47.3900	9.478
$ 6 Toluene-d8	98	6.499	6.495	(0.832)	1496056	52.1748	10.435
$ 7 Bromofluorobenzene	95	8.913	8.909	(1.141)	523819	50.7560	10.151
8 Dichlorodifluoromethane	85	1.506	1.502	(0.293)	166653	35.7609	7.152
9 Chloromethane	50	1.671	1.668	(0.325)	286209	42.9540	8.591
10 Vinyl Chloride	62	1.742	1.739	(0.339)	323453	44.7401	8.948
11 Bromomethane	94	2.038	2.046	(0.397)	226938	44.9817	8.996
12 Chloroethane	64	2.109	2.105	(0.411)	244351	52.5863	10.517
13 Trichlorofluoromethane	101	2.322	2.330	(0.452)	474753	56.3763	11.275
15 Acrolein	56	2.653	2.650	(0.516)	696457	934.362	186.87
16 Acetone	43	2.772	2.768	(0.539)	237524	77.6615	15.532
17 1,1-Dichloroethene	96	2.760	2.756	(0.537)	308848	49.6377	9.928
18 Freon-113	151	2.760	2.756	(0.537)	245982	55.8611	11.172
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3855.D
Report Date: 18-Nov-2004 09:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.949	2.945	(0.574)	958465	57.4937	11.499
	21 Methylene Chloride	84	3.139	3.135	(0.611)	396104	53.7536	10.751
	22 Acetonitrile	41	2.985	2.993	(0.581)	371473	469.870	93.974
	23 Acrylonitrile	53	3.316	3.324	(0.645)	1819332	501.762	100.35
	24 Methyl tert-butyl ether	73	3.363	3.371	(0.655)	1025174	48.1311	9.626
	25 trans-1,2-Dichloroethene	96	3.375	3.371	(0.657)	378426	48.8701	9.774
	26 Hexane	86	3.600	3.596	(0.701)	78534	61.4029	12.280
	27 Vinyl acetate	43	3.600	3.738	(0.701)	225003	15.8898	3.178
	28 1,1-Dichloroethane	63	3.707	3.715	(0.721)	603596	48.6908	9.738
	29 tert-Butyl Alcohol	59	3.044	3.206	(0.592)	28439	36.4431	7.289
	30 2-Butanone	43	4.180	4.176	(0.813)	275034	62.3836	12.477
M	31 1,2-Dichloroethene (total)	96				773185	98.3644	19.673
	32 cis-1,2-dichloroethene	96	4.180	4.188	(0.813)	394759	49.4942	9.899
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.440	4.436	(0.864)	607723	46.1976	9.240
	36 Tetrahydrofuran	42	4.665	4.425	(0.908)	97881	32.5704	6.514
	37 1,1,1-Trichloroethane	97	4.606	4.614	(0.896)	473963	48.5665	9.713
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.760	4.756	(0.926)	420129	48.5626	9.712
	40 1,2-Dichloroethane	62	4.914	4.910	(0.956)	480227	43.9027	8.780
	41 Benzene	78	4.914	4.910	(0.956)	1564073	49.8872	9.977
	42 Trichloroethene	130	5.446	5.454	(1.060)	461998	53.4063	10.681
	43 1,2-Dichloropropane	63	5.635	5.632	(1.097)	352549	50.7501	10.150
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.860	5.856	(1.140)	459138	47.9883	9.598
	47 2-Chloroethyl vinyl ether	63	6.109	6.105	(1.189)	230330	47.5935	9.519
	48 cis-1,3-Dichloropropene	75	6.251	6.247	(1.216)	540339	45.8811	9.176
	49 4-Methyl-2-pentanone	43	6.369	6.365	(1.239)	458368	45.9328	9.186
	50 Toluene	91	6.558	6.554	(0.839)	1651052	50.2466	10.049
	51 trans-1,3-Dichloropropene	75	6.724	6.732	(0.861)	489395	43.9019	8.780
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.901	6.898	(0.883)	361386	49.6349	9.927
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.055	7.051	(0.903)	350935	54.5803	10.916
	56 2-Hexanone	43	7.114	7.111	(0.911)	351847	41.8284	8.366
	57 Dibromochloromethane	129	7.268	7.264	(0.930)	372364	48.3165	9.663
	58 1,2-Dibromoethane	107	7.375	7.383	(0.944)	374099	49.9329	9.986
	59 Chlorobenzene	112	7.836	7.832	(1.003)	1076329	48.4306	9.686
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.931	7.927	(1.015)	555010	49.0002	9.800
	62 m + p-Xylene	106	8.037	8.034	(1.029)	1434404	100.603	20.121
M	63 Xylenes (total)	106				2107013	145.488	29.098
	64 Xylene-o	106	8.416	8.412	(1.077)	672609	44.8844	8.977
	65 Styrene	104	8.428	8.424	(1.079)	1129736	44.4679	8.894
	66 Bromoform	173	8.605	8.602	(1.101)	294835	51.6499	10.330

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3855.D
Report Date: 18-Nov-2004 09:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
67 Isopropylbenzene	105	8.771	8.767	(1.123)	1607674	48.3188	9.664
68 1,1,2,2-Tetrachloroethane	83	9.031	9.039	(0.899)	454755	47.9317	9.586
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	9.694	9.702	(0.965)	3034	2.43400	0.4868
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.978	9.986	(0.993)	818365	48.6630	9.733
81 1,4-Dichlorobenzene	146	10.073	10.069	(1.002)	876683	47.9497	9.590
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.439	10.436	(1.039)	783763	49.8754	9.975
84 1,2-Dibromo-3-chloropropane	157	11.197	11.205	(1.114)	113805	49.3422	9.868
85 1,2,4-Trichlorobenzene	180	12.037	12.033	(1.198)	437425	60.8169	12.163
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.285	12.282	(1.223)	3569	3.14139	0.6283
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.665	4.673	(0.908)	440761	48.5400	9.708
143 Methyl Acetate	43	3.044	3.040	(0.592)	375299	53.8233	10.765
144 Methylcyclohexane	83	5.635	5.632	(1.097)	424664	47.1095	9.422
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					


Data File: \\qcanoh04\dd\chem\HSV\a3ux10.i\P41117A.b\UNX3855.D
Date : 17-NOV-2004 11:10
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Carbon Disulfide+
-tert-Butyl Alcohol+
-Methylene Chloride
Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Fluorobenzene
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Tetrachloroethene
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-1,1,2,2-Tetrachloroethane
Isopropylbenzene
Bromofluorobenzene
-1,2,4-Trimethylbenzene
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4K120249 **Work Order #...:** GW8891AA **Matrix.....:** WATER
MB Lot-Sample #: A4K180000-190

Prep Date.....: 11/17/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 11/17/04 **Prep Batch #...:** 4323190
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 #...: A4K120249 **Work Order #...:** GW8891AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.63 J**	**1.0**	**ug/L**	**SW846 8260B**
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Propionitrile	ND	4.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

NOTE(S):

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

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3856.D
Report Date: 18-Nov-2004 09:26

GW 8891AA

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3856.D
Lab Smp Id: VBLK
Inj Date : 17-NOV-2004 11:32
Operator : 1904 Inst ID: a3ux10.i
Smp Info : VBLK,5ML/5ML
Misc Info : P41117A,8260LLUX10,,1904,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\8260LLUX10.m
Meth Date : 18-Nov-2004 09:22 roachc Quant Type: ISTD
Cal Date : 24-AUG-2004 04:31 Cal File: UXX0872.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

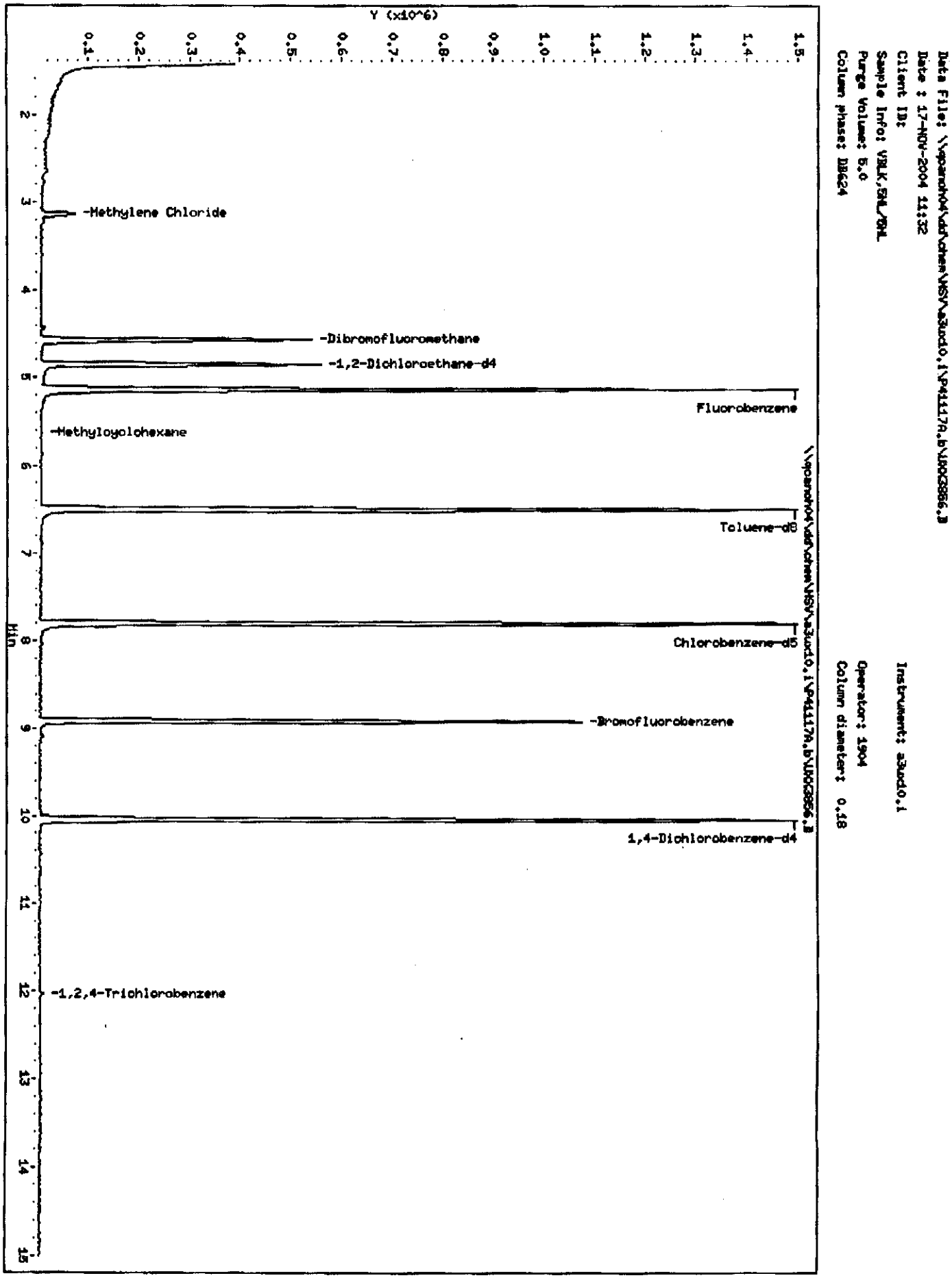
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.134	5.135	(1.000)	1877447	50.0000	
* 2 Chlorobenzene-d5	117	7.809	7.809	(1.000)	1358491	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.045	10.045	(1.000)	658027	50.0000	
$ 4 Dibromofluoromethane	113	4.566	4.567	(0.889)	355753	50.0237	10.005
$ 5 1,2-Dichloroethane-d4	65	4.850	4.851	(0.945)	420897	47.6218	9.524
$ 6 Toluene-d8	98	6.495	6.495	(0.832)	1391415	51.1623	10.232
$ 7 Bromofluorobenzene	95	8.909	8.909	(1.141)	440258	45.2968	9.059
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\P41117A.b\UXX3856.D
Report Date: 18-Nov-2004 09:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	3.135	3.135	(0.611)	47027	3.15478	0.6310
	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\P41117A.b\UXX3856.D
Report Date: 18-Nov-2004 09:26

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	12.033	12.033	(1.198)	5702	0.88180	0.1764
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	5.619	5.632	(1.094)	1560	3.12915	0.6258
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					


Data File: \\qcanch04\dd\chem\MSV\a3ux10.i\P41117A.b\U003856.B
Date : 17-NOV-2004 11:32
Client ID:
Sample Info: VBLK,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Methylene Chloride
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
-Methyloyolohexane
Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
-1,2,4-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3856.D
Report Date: 18-Nov-2004 09:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3856.D
Lab Smp Id: VBLK
Inj Date : 17-NOV-2004 11:32
Operator : 1904 Inst ID: a3ux10.i
Smp Info : VBLK,5ML/5ML
Misc Info : P41117A,8260LLUX10,,1904,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\8260LLUX10.m
Meth Date : 18-Nov-2004 09:22 roachc Quant Type: ISTD
Cal Date : 24-AUG-2004 04:31 Cal File: UXX0872.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.04
Processing Host: CANPMSV03

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\qoanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3856.D

Date : 17-NOV-2004 11:32

Client ID:

Instrument: a3ux10.i

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0

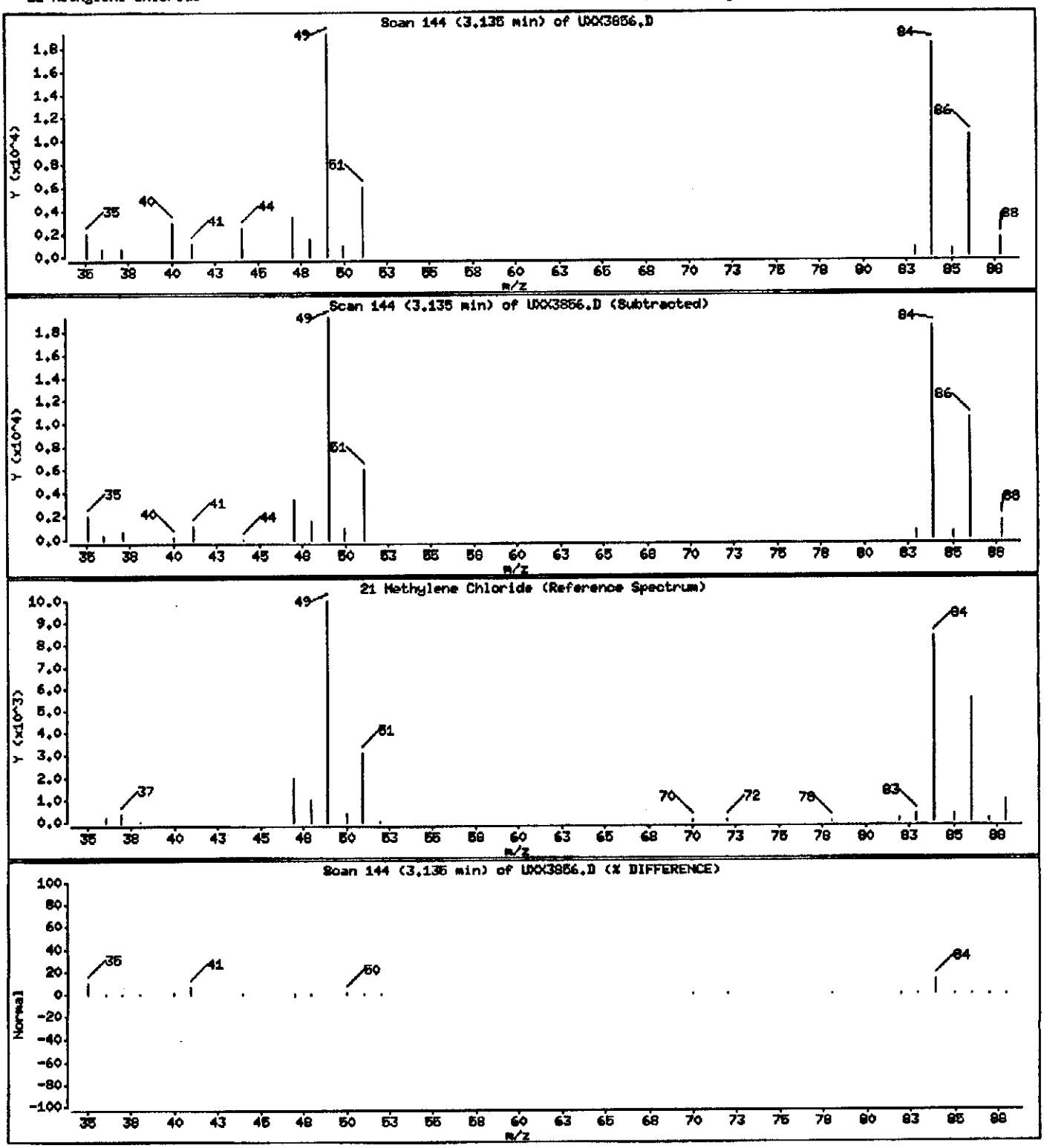
Operator: 1904

Column phase: DB624

Column diameter: 0.18

21 Methylene Chloride

Concentration: 0.6310 ug/L



Data File: \\qoanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3856.D

Date : 17-NOV-2004 11:32

Client ID:

Instrument: a3ux10.i

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0

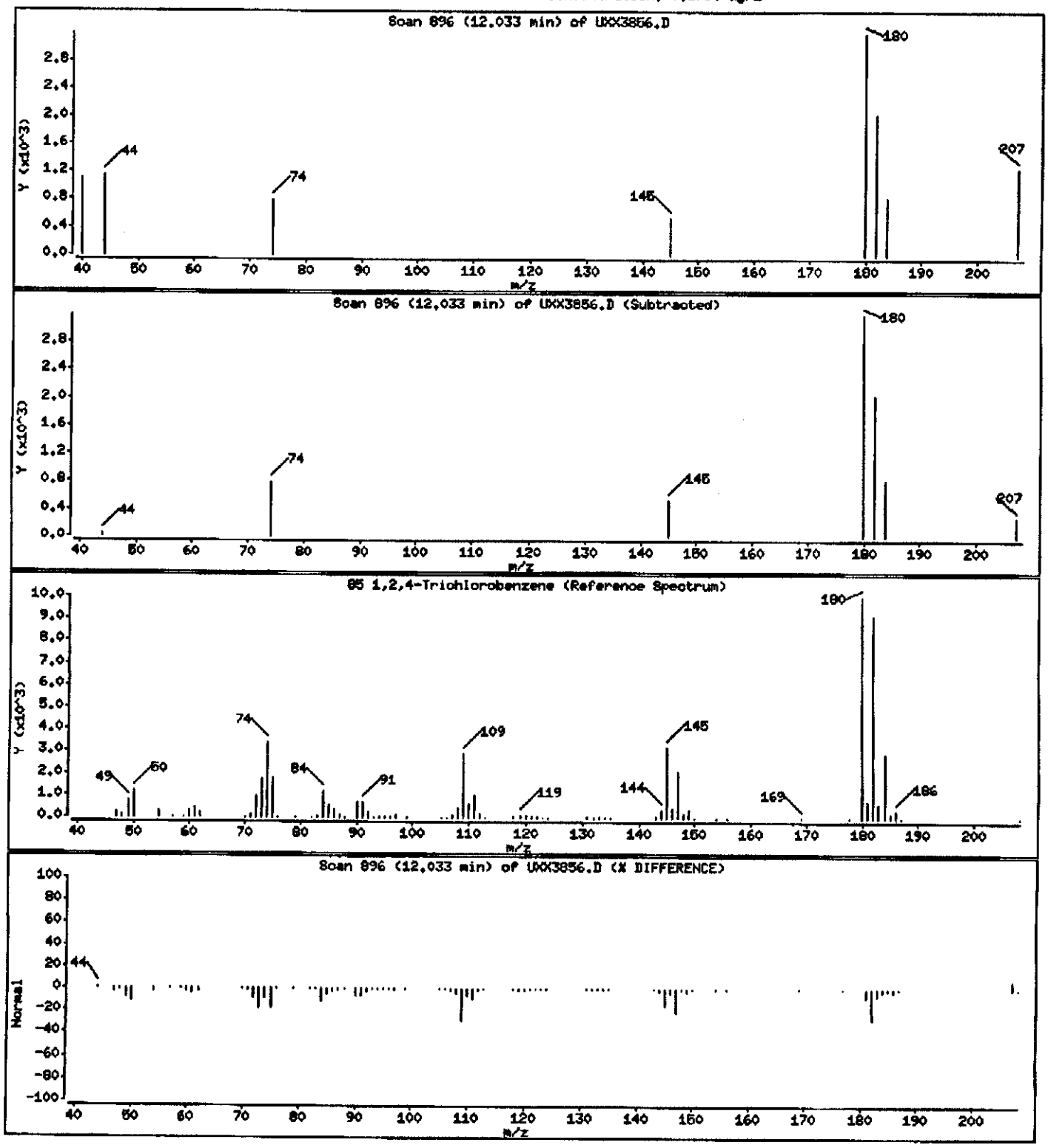
Operator: 1904

Column phase: DB624

Column diameter: 0.18

85 1,2,4-Trichlorobenzene

Concentration: 0.1764 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P41117A.b\UXX3856.D

Date : 17-NOV-2004 11:32

Client ID:

Instrument: a3ux10.i

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0

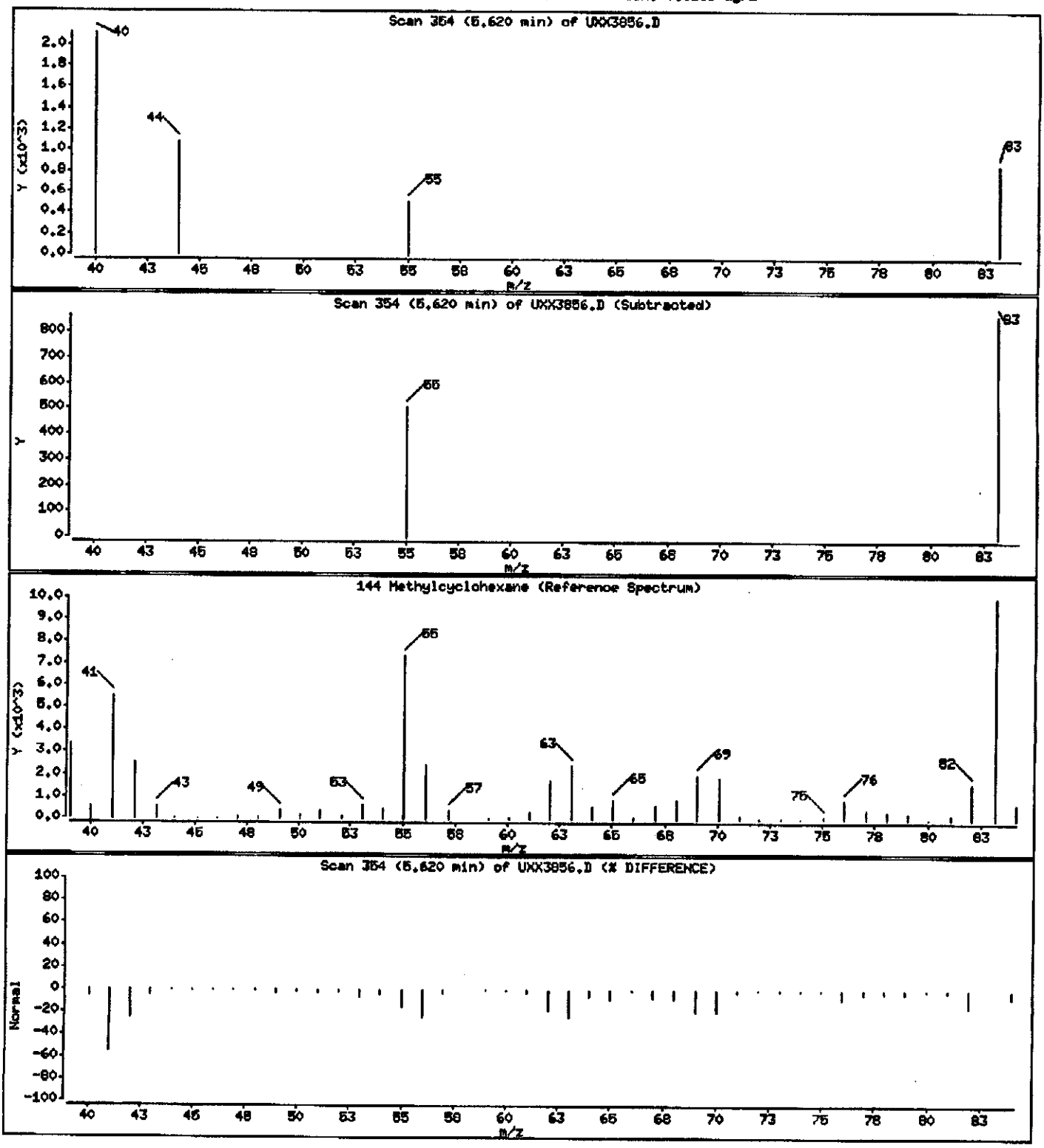
Operator: 1904

Column phase: DB624

Column diameter: 0.18

144 Methylcyclohexane

Concentration: 0.6258 ug/L



MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4K120249 **Work Order #...:** GW0G31AD-MS **Matrix.....:** WATER
MS Lot-Sample #: A4K130189-020 GW0G31AE-MSD
Date Sampled...: 11/11/04 16:00 **Date Received..:** 11/13/04
Prep Date.....: 11/17/04 **Analysis Date..:** 11/17/04
Prep Batch #...: 4323190
Dilution Factor: 2.5 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	101	(45 - 128)			SW846 8260B
	95	(45 - 128)	5.1	(0-30)	SW846 8260B
Benzene	**100**	**(78 - 118)**			**SW846 8260B**
	99	**(78 - 118)**	**0.86**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	95	(80 - 146)			SW846 8260B
	96	(80 - 146)	1.3	(0-30)	SW846 8260B
Bromoform	92	(58 - 176)			SW846 8260B
	94	(58 - 176)	1.5	(0-30)	SW846 8260B
Bromomethane	86	(55 - 145)			SW846 8260B
	86	(55 - 145)	0.18	(0-30)	SW846 8260B
2-Butanone	109	(71 - 123)			SW846 8260B
	113	(71 - 123)	3.9	(0-30)	SW846 8260B
Carbon disulfide	122	(69 - 138)			SW846 8260B
	119	(69 - 138)	2.2	(0-41)	SW846 8260B
Carbon tetrachloride	104	(63 - 176)			SW846 8260B
	98	(63 - 176)	5.6	(0-30)	SW846 8260B
Chlorobenzene	**97**	**(76 - 117)**			**SW846 8260B**
	99	**(76 - 117)**	**2.0**	**(0-20)**	**SW846 8260B**
Dichlorodifluoromethane	79	(70 - 130)			SW846 8260B
	87	(70 - 130)	10	(0-30)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	131 a	(70 - 130)			SW846 8260B
	130	(70 - 130)	0.90	(0-30)	SW846 8260B
Methyl acetate	111	(70 - 130)			SW846 8260B
	108	(70 - 130)	2.1	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	92	(70 - 130)			SW846 8260B
	92	(70 - 130)	0.48	(0-30)	SW846 8260B
Cyclohexane	110	(70 - 130)			SW846 8260B
	106	(70 - 130)	3.9	(0-30)	SW846 8260B
Methylcyclohexane	106	(70 - 130)			SW846 8260B
	100	(70 - 130)	5.9	(0-30)	SW846 8260B
Dibromochloromethane	91	(71 - 158)			SW846 8260B
	93	(71 - 158)	1.7	(0-30)	SW846 8260B
Isopropylbenzene	96	(70 - 130)			SW846 8260B
	97	(70 - 130)	0.30	(0-30)	SW846 8260B
1,3-Dichlorobenzene	92	(70 - 130)			SW846 8260B
	98	(70 - 130)	6.1	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4K120249 **Work Order #...:** GW0G31AD-MS **Matrix.....:** WATER
MS Lot-Sample #: A4K130189-020 GW0G31AE-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Chloroethane	110	(59 - 142)			SW846 8260B
	109	(59 - 142)	1.4	(0-30)	SW846 8260B
1,4-Dichlorobenzene	95	(70 - 130)			SW846 8260B
	100	(70 - 130)	4.4	(0-30)	SW846 8260B
1,2-Dichlorobenzene	95	(70 - 130)			SW846 8260B
	102	(70 - 130)	7.1	(0-30)	SW846 8260B
1,2,4-Trichloro-benzene	109	(70 - 130)			SW846 8260B
	118	(70 - 130)	8.0	(0-30)	SW846 8260B
Chloroform	93	(83 - 141)			SW846 8260B
	94	(83 - 141)	0.68	(0-30)	SW846 8260B
Chloromethane	85	(40 - 137)			SW846 8260B
	84	(40 - 137)	1.4	(0-39)	SW846 8260B
1,2-Dibromo-3-chloro-propane	96	(70 - 130)			SW846 8260B
	100	(70 - 130)	5.0	(0-30)	SW846 8260B
1,2-Dibromoethane	99	(70 - 130)			SW846 8260B
	103	(70 - 130)	4.0	(0-30)	SW846 8260B
1,1-Dichloroethane	100	(88 - 127)			SW846 8260B
	98	(88 - 127)	1.6	(0-30)	SW846 8260B
1,2-Dichloroethane	89	(71 - 160)			SW846 8260B
	88	(71 - 160)	0.78	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	103	(87 - 114)			SW846 8260B
	98	(87 - 114)	1.4	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	103	(85 - 116)			SW846 8260B
	100	(85 - 116)	2.6	(0-30)	SW846 8260B
1,1-Dichloroethene	**108**	**(62 - 130)**			**SW846 8260B**
	106	**(62 - 130)**	**2.0**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	103	(86 - 115)			SW846 8260B
	99	(86 - 115)	1.6	(0-30)	SW846 8260B
1,2-Dichloropropane	102	(87 - 114)			SW846 8260B
	101	(87 - 114)	0.86	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	86	(82 - 130)			SW846 8260B
	86	(82 - 130)	0.76	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	82	(73 - 147)			SW846 8260B
	84	(73 - 147)	2.1	(0-30)	SW846 8260B
Ethylbenzene	100	(86 - 132)			SW846 8260B
	99	(86 - 132)	0.76	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4K120249 **Work Order #...:** GW0G31AD-MS **Matrix.....:** WATER
MS Lot-Sample #: A4K130189-020 GW0G31AE-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Hexanone	78 a	(81 - 128)			SW846 8260B
	79 a	(81 - 128)	1.7	(0-30)	SW846 8260B
Methylene chloride	105	(82 - 115)			SW846 8260B
	103	(82 - 115)	1.4	(0-30)	SW846 8260B
4-Methyl-2-pentanone	91	(82 - 135)			SW846 8260B
	90	(82 - 135)	1.0	(0-30)	SW846 8260B
Styrene	89	(83 - 120)			SW846 8260B
	89	(83 - 120)	0.06	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	102	(88 - 116)			SW846 8260B
	107	(88 - 116)	4.7	(0-30)	SW846 8260B
Tetrachloroethene	113	(85 - 121)			SW846 8260B
	110	(85 - 121)	2.5	(0-30)	SW846 8260B
Toluene	**100**	**(70 - 119)**			**SW846 8260B**
	102	**(70 - 119)**	**1.7**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	98	(71 - 162)			SW846 8260B
	95	(71 - 162)	2.9	(0-30)	SW846 8260B
1,1,2-Trichloroethane	100	(86 - 129)			SW846 8260B
	100	(86 - 129)	0.0	(0-30)	SW846 8260B
Trichloroethene	**101**	**(62 - 130)**			**SW846 8260B**
	99	**(62 - 130)**	**2.1**	**(0-20)**	**SW846 8260B**
Trichlorofluoromethane	127	(70 - 130)			SW846 8260B
	121	(70 - 130)	4.3	(0-30)	SW846 8260B
Vinyl chloride	96	(88 - 126)			SW846 8260B
	92	(88 - 126)	4.2	(0-30)	SW846 8260B
Xylenes (total)	98	(89 - 121)			SW846 8260B
	98	(89 - 121)	0.03	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	96	(61 - 128)
	94	(61 - 128)
Toluene-d8	105	(76 - 110)
	106	(76 - 110)
4-Bromofluorobenzene	99	(74 - 116)
	98	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4K120249 **Work Order #...:** GW0G31AD-MS **Matrix.....:** WATER
MS Lot-Sample #: A4K130189-020 GW0G31AE-MSD
Date Sampled...: 11/11/04 16:00 **Date Received..:** 11/13/04
Prep Date.....: 11/17/04 **Analysis Date..:** 11/17/04
Prep Batch #...: 4323190
Dilution Factor: 2.5 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	ND	25	27	ug/L	101		SW846 8260B
	ND	25	26	ug/L	95	5.1	SW846 8260B
Benzene	**ND**	**25**	**25**	**ug/L**	**100**		**SW846 8260B**
	ND	**25**	**25**	**ug/L**	**99**	**0.86**	**SW846 8260B**
Bromodichloromethane	ND	25	24	ug/L	95		SW846 8260B
	ND	25	24	ug/L	96	1.3	SW846 8260B
Bromoform	ND	25	23	ug/L	92		SW846 8260B
	ND	25	23	ug/L	94	1.5	SW846 8260B
Bromomethane	ND	25	21	ug/L	86		SW846 8260B
	ND	25	22	ug/L	86	0.18	SW846 8260B
2-Butanone	ND	25	27	ug/L	109		SW846 8260B
	ND	25	28	ug/L	113	3.9	SW846 8260B
Carbon disulfide	ND	25	30	ug/L	122		SW846 8260B
	ND	25	30	ug/L	119	2.2	SW846 8260B
Carbon tetrachloride	ND	25	26	ug/L	104		SW846 8260B
	ND	25	25	ug/L	98	5.6	SW846 8260B
Chlorobenzene	**ND**	**25**	**24**	**ug/L**	**97**		**SW846 8260B**
	ND	**25**	**25**	**ug/L**	**99**	**2.0**	**SW846 8260B**
Dichlorodifluoromethane	ND	25	20	ug/L	79		SW846 8260B
	ND	25	22	ug/L	87	10	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	25	33	ug/L	131 a		SW846 8260B
	ND	25	33	ug/L	130	0.90	SW846 8260B
Methyl acetate	ND	25	28	ug/L	111		SW846 8260B
	ND	25	27	ug/L	108	2.1	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	25	23	ug/L	92		SW846 8260B
	ND	25	23	ug/L	92	0.48	SW846 8260B
Cyclohexane	ND	25	28	ug/L	110		SW846 8260B
	ND	25	27	ug/L	106	3.9	SW846 8260B
Methylcyclohexane	ND	25	27	ug/L	106		SW846 8260B
	ND	25	25	ug/L	100	5.9	SW846 8260B
Dibromochloromethane	ND	25	23	ug/L	91		SW846 8260B
	ND	25	23	ug/L	93	1.7	SW846 8260B
Isopropylbenzene	ND	25	24	ug/L	96		SW846 8260B
	ND	25	24	ug/L	97	0.30	SW846 8260B
1,3-Dichlorobenzene	ND	25	23	ug/L	92		SW846 8260B
	ND	25	24	ug/L	98	6.1	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4K120249 **Work Order #...:** GW0G31AD-MS **Matrix.....:** WATER
MS Lot-Sample #: A4K130189-020 GW0G31AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Chloroethane	ND	25	28	ug/L	110		SW846 8260B
	ND	25	27	ug/L	109	1.4	SW846 8260B
1,4-Dichlorobenzene	ND	25	24	ug/L	95		SW846 8260B
	ND	25	25	ug/L	100	4.4	SW846 8260B
1,2-Dichlorobenzene	ND	25	24	ug/L	95		SW846 8260B
	ND	25	26	ug/L	102	7.1	SW846 8260B
1,2,4-Trichloro-benzene	ND	25	27	ug/L	109		SW846 8260B
	ND	25	29	ug/L	118	8.0	SW846 8260B
Chloroform	ND	25	23	ug/L	93		SW846 8260B
	ND	25	23	ug/L	94	0.68	SW846 8260B
Chloromethane	ND	25	21	ug/L	85		SW846 8260B
	ND	25	21	ug/L	84	1.4	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	25	24	ug/L	96		SW846 8260B
	ND	25	25	ug/L	100	5.0	SW846 8260B
1,2-Dibromoethane	ND	25	25	ug/L	99		SW846 8260B
	ND	25	26	ug/L	103	4.0	SW846 8260B
1,1-Dichloroethane	ND	25	25	ug/L	100		SW846 8260B
	ND	25	24	ug/L	98	1.6	SW846 8260B
1,2-Dichloroethane	ND	25	22	ug/L	89		SW846 8260B
	ND	25	22	ug/L	88	0.78	SW846 8260B
cis-1,2-Dichloroethene	60	25	86	ug/L	103		SW846 8260B
	60	25	84	ug/L	98	1.4	SW846 8260B
trans-1,2-Dichloroethene	ND	25	26	ug/L	103		SW846 8260B
	ND	25	25	ug/L	100	2.6	SW846 8260B
1,1-Dichloroethene	ND	25	27	ug/L	108		SW846 8260B
	ND	25	26	ug/L	106	2.0	SW846 8260B
1,2-Dichloroethene (total)	60	50	110	ug/L	103		SW846 8260B
	60	50	110	ug/L	99	1.6	SW846 8260B
1,2-Dichloropropane	ND	25	26	ug/L	102		SW846 8260B
	ND	25	25	ug/L	101	0.86	SW846 8260B
cis-1,3-Dichloropropene	ND	25	22	ug/L	86		SW846 8260B
	ND	25	21	ug/L	86	0.76	SW846 8260B
trans-1,3-Dichloropropene	ND	25	21	ug/L	82		SW846 8260B
	ND	25	21	ug/L	84	2.1	SW846 8260B
Ethylbenzene	ND	25	25	ug/L	100		SW846 8260B
	ND	25	25	ug/L	99	0.76	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4K120249 **Work Order #...:** GW0G31AD-MS **Matrix.....:** WATER
MS Lot-Sample #: A4K130189-020 GW0G31AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Hexanone	ND	25	19	ug/L	78 a		SW846 8260B
	ND	25	20	ug/L	79 a	1.7	SW846 8260B
Methylene chloride	ND	25	26	ug/L	105		SW846 8260B
	ND	25	26	ug/L	103	1.4	SW846 8260B
4-Methyl-2-pentanone	ND	25	23	ug/L	91		SW846 8260B
	ND	25	22	ug/L	90	1.0	SW846 8260B
Styrene	ND	25	22	ug/L	89		SW846 8260B
	ND	25	22	ug/L	89	0.06	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	25	26	ug/L	102		SW846 8260B
	ND	25	27	ug/L	107	4.7	SW846 8260B
Tetrachloroethene	ND	25	28	ug/L	113		SW846 8260B
	ND	25	27	ug/L	110	2.5	SW846 8260B
Toluene	**ND**	**25**	**25**	**ug/L**	**100**		**SW846 8260B**
	ND	**25**	**26**	**ug/L**	**102**	**1.7**	**SW846 8260B**
1,1,1-Trichloroethane	ND	25	24	ug/L	98		SW846 8260B
	ND	25	24	ug/L	95	2.9	SW846 8260B
1,1,2-Trichloroethane	ND	25	25	ug/L	100		SW846 8260B
	ND	25	25	ug/L	100	0.0	SW846 8260B
Trichloroethene	**2.1**	**25**	**27**	**ug/L**	**101**		**SW846 8260B**
	2.1	**25**	**27**	**ug/L**	**99**	**2.1**	**SW846 8260B**
Trichlorofluoromethane	ND	25	32	ug/L	127		SW846 8260B
	ND	25	30	ug/L	121	4.3	SW846 8260B
Vinyl chloride	ND	25	24	ug/L	96		SW846 8260B
	ND	25	23	ug/L	92	4.2	SW846 8260B
Xylenes (total)	ND	75	73	ug/L	98		SW846 8260B
	ND	75	73	ug/L	98	0.03	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
	101	(73 - 122)
1,2-Dichloroethane-d4	96	(61 - 128)
	94	(61 - 128)
Toluene-d8	105	(76 - 110)
	106	(76 - 110)
4-Bromofluorobenzene	99	(74 - 116)
	98	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

SEVERN TRENT STL

MISCELLANEOUS DATA

UX10
Batch # _____

STL-North Canton
GC/MS VOA Run Log

Date: 8-12-04

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

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

IS # V2097 SS # V2098

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

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

Auto num	Sample ID Work order	Method	File name	Amount used	Sample prep	Comments	Sample status
	BFB		BFB1360	50ng		0610	ok
	App. IX STD		UXX0522	200ng	V2152,59		ok
			UXX0523	100ng			ok
			UXX0524	50ng		V40812-19	ok
			UXX0525	25ng			ok
			UXX0526	10ng			ok
			UXX0527	5ng			ok

RO 8-12-04

Analyst: RO
Level 2 review: MM

96

UX10
Batch # 4280233

STL-North Canton
GC/MS VOA Run Log

Date: 10-5-04

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 # V2305 SS # V2306

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

10/7

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		BFB1416	50ng		1327	ok
	8260 STD		~~UXX2060~~	200ng	V2338,39,40,41	R	–
			61	100ng			ok
			62	50ng		V41005	ok
			63	25ng			ok
			64	10ng			ok
			65	5ng			ok
	ICV		66	50ng	V2331		ok
	8260 STD		67	200ng	V2338,39,40,41		ok
✓	CHECK	GRXD5	68	50ng	V2331		ok
✓	BLANK		69	5ML			ok
✓	6Q34E1AA		70	0.4ML/5ML			ok
✓	6Q34D1AA		71	0.7ML/5ML			ok
✓	6Q34D1AC	MS	72		+5ng		ok
✓	6Q34D1AD	MSD	73				ok
✓	6Q67W1AA		74	5ML			ok
✓	6Q67T1AH		75				ok
✓	6Q67V1AH		76				ok
✓	6Q67W1AH		77				ok
✓	6Q67X1AH		78				ok
✓	6Q672 1AH		79				ok
✓	6Q674 1AH		80				ok
✓	6Q676 1AH		81				ok
✓	6Q68A1AH		82				ok
✓	6Q68H1AH		83				ok
✓	6Q68J1AA		84				ok
✓	6Q4H1 1AA		85				ok
✓	6Q4J7 1AA		86				ok
✓	6Q4KC1AA		87				ok
✓	6Q4KX 1AA		88				ok
✓	6Q4K9 1AA		89				ok
✓	6Q68D1AH		UXX2090	0.025ML/5ML			ok
						RR 10-6-04	

Analyst: RQ
Level 2 review: cnt

110 204 100 184
110 394
120 249

UX10
Batch # H023190

STL-North Canton
GC/MS VOA Run Log

11/16

Date: 11-17-04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold – min	to – C @ – C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V2372 SS # V2373		Heated purge: (Yes) No

Auto Alnm	Sample Date Workorder #	Method	File Name #	Amt Purged	Std number Sample prep	Comments	Sample Stats
	BFB		BFB1501	50ng		0942	ok
	FLUO STD		UXX3852	50ng	V2490,93,95	UY1005	ok
	AP, TB STD		53	50ng	V2489,94	UY0812	ok
	CHECK	✓	54	50ng	V2415	QW649-1AC	ok
	CHECK	✓	55	50ng	↓	↓ 1AD	ok
	BLANK	✓	56	5ML		↓ 1AA	ok
	GW0631A4	✓	57	2ML/5ML			ok
	GW061AA	✓	58	↓			ok
	GW0611AA	✓	59	1.5ML/5ML			ok
	GW0651A4	✓	60	3ML/5ML			ok
*	GW0711AA	✓	61	5ML			ok
	GWR6L1A4	✓	62				ok
	GWR6V1A4	✓	63				ok
	GWR6X1A4	✓	64				ok
*	GWR6Y1AA	✓	65				ok
	GWR76 1AA	✓	66				ok
	GWR75 1AA	✓	67	↓			ok
	GW063 1AD	✓	68	2ML/5ML	+50ng		ok
	GW063 1AC	✓	69	↓	↓		ok
*	GWWDE 1AA	✓	70	5ML			OK
*	GWWDV1AA	✓	71				OK
*	GW0GP1AA	✓	72				OK
	GW0GR 1AA	✓	73				OK
	GW0GT1AA	✓	74				OK
	GW0GV1AA	✓	75				OK
	GW0GX1AA	✓	76				OK
	GW0G4 1AA	✓	77				OK
	GW0G6 1AA	✓	UXX3878				OK

7063

7063

Analyst: [illegible]
Level 2 review: [illegible]

anR
11-19-04

Severn Trent Laboratories, Inc

System Date: 11/12/04 13:16:30
Local Date: 11/12/04 15:16:30

MSVOC Lot Summary - A4K120249

SDG: 4K12249

21

Date Received: 11/12/04
Date Analysis Due: 11/19/04 N
Date Report Due: 11/25/04
Turnaround Time: 7

LIENT: 5670 PAYNE FIRM INC.
ROJECT MANAGER: Roger K. Toth
ITE: EMD GROUNDWATER SAMPLING
OT COMMENTS:
C PACKAGE: Expanded Deliverables

FL"N

AMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
01-	GWWDE-1AA	XX I 25 QK 01 MS8260LL		11/11/04 12:05	11/25/04	Y	P-6/111104 pH>1 Q: CLP MSVOA TCL Standard List EXP DEL,SDG #4K12249(CLSD).7 DAY TAT AP9 Compounds
02-	GWWDV-1AA	XX I 25 QK 01 MS8260LL		11/11/04	11/25/04	Y	TRIP BLANK Q: CLP MSVOA TCL Standard List EXP DEL,SDG #4K12249(CLSD).7 DAY TAT AP9 Compounds

3

2

11/26/04 04:59:55 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A4K120249	1	GMDE1AA	MS8260LL	11/17/04	Richard Quayle
A4K120249	2	GMDV1AA	MS8260LL	11/17/04	Richard Quayle

*** END OF REPORT ***

SEVERN TRENT STL

END OF REPORT