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SEVERN TRENT STL

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ANALYTICAL REPORT

PROJECT NO. 100.58.19

EMD/NORWOOD
SDG #: 4F29191

Angela Hurley

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

SEVERN TRENT LABORATORIES, INC.

Roger K. Toth

Roger K. Toth
Project Manager

July 20, 2004

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE
4F29191

The following report contains the analytical results for one solid sample, one water sample and one quality control sample submitted to STL North Canton by The Payne Firm, Inc. from the EMD/Norwood Site, project number 100.58.19. The samples were received June 29, 2004 and June 30, 2004, according to documented sample acceptance procedures.

This SDG consists of laboratory lot ID's: A4F290191 and A4F300237.

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 on July 01, 2004, on July 03, 2004, and July 12, 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.

All solid sample results are reported on an "as received" basis unless otherwise indicated by a dry weight adjustment footnote at the bottom of the analytical report page. The list of parameters which are never reported on a dry weight basis is included on the Sample Summary.

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

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperatures of the coolers upon sample receipt were 2.5 and 2.4°C.

See STL's Cooler Receipt Form for additional information.

CASE NARRATIVE (continued)

GC/MS VOLATILES

The matrix spike/matrix spike duplicate(s) for batch(es) 4183119 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

The pH of the sample MW508B/062804 was greater than 2. The sample(s) was analyzed within the normal 14 day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably Benzene, Toluene, and Ethylbenzene are susceptible to biological degradation if samples are not preserved to a pH of 2.

GENERAL CHEMISTRY

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive of mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "J". Refer to the sample report pages for the affected analytes(s).

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

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

QC BATCH

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

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

LABORATORY CONTROL SAMPLE

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

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

METHOD BLANK

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

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

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

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

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

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

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

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

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

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

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

SURROGATE COMPOUNDS

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

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

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

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

STL North Canton Certifications and Approvals:

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

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SEVERN TRENT STL

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

4F29191 : A4F290191

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW508B/062804 06/28/04 12:15 001				
Bromodichloromethane	1.0	1.0	ug/L	SW846 8260B
Dibromochloromethane	1.8	1.0	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

4F29191 : A4F300237

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW509B/26.5-28/062904 06/29/04 12:00	**001**			
Total Organic Carbon	32 J	11	mg/kg	SW846 9060
Percent Solids	89.3	10.0	%	MCAWW 160.3 MOD

SEVERN TRENT STL

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

4F29191

PARAMETER	ANALYTICAL METHOD
Total Organic Carbon	SW846 9060
Total Residue as Percent Solids	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

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

SAMPLE SUMMARY

SAMPLE SUMMARY

4F29191 : A4F290191

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GJ7N3	001	MW508B/062804	06/28/04	12:15
GJ7PF	002	TRIP BLANK/062804	06/28/04	

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.

(Continued on next page)

SAMPLE SUMMARY

4F29191 : A4F300237

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GJ99W	001	MW509B/26.5-28/062904	06/29/04	12:00

NOTE(S):

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

SEVERN TRENT STL

SHIPPING AND RECEIVING DOCUMENTS

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: The Payne Firm	Project Manager: Dan Weed / Results to Angela Hurley	Date: 6/28/04	Chain of Custody Number: 153878
Address: 11231 Cornell Park Drive	Telephone Number (Area Code)/Fax Number: 513-489-2255	Lab Number:	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45242	Site Contact: Angela Hurley	Lab Contact: Roger Toth	
Project Name and Location (State): EMD / Norwood	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 100.58.19			

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: 8260B *	Special Instructions/ Conditions of Receipt
MW509B/062804	6/28/04	1215		X						X			3	X	* Appendix IX
Trip Blank/062804	6/28/04			X						X			2	X	

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

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

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

QC Requirements (Specify): Level II

1. Relinquished By: Mark Hanson	Date: 6/28/04	Time: 1455	1. Received By: [signature]	Date: 6/28/04	Time: 1455
2. Relinquished By: [signature]	Date: 6/28/04	Time: 1715	2. Received By: Jennifer Miller	Date: 6/29/04	Time: 9:15
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

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STL North Canton

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: The Payne Firm, Inc.	Project Manager: Don Weed / Results to Angela Hurley	Date: 6/29/04	Chain of Custody Number: 122026
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: ALH	Lab Contact: R. Tom	
Project Name and Location (State): EMD / Norwood, Ohio	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 100.58.19			

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): TOC 9060	Special Instructions/ Conditions of Receipt
MW509B/265-28/062904	6/29/04	1200				X		X						1	X	

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

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

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

QC Requirements (Specify): Level A

1. Relinquished By: Angela Hurley	Date: 6/29/04	Time: 1600	1. Received By: [signature]	Date: 6/29/04	Time: 1600
2. Relinquished By: [signature]	Date: 6/29/04	Time: 1610	2. Received By: [signature]	Date: 6/30/04	Time: 0900
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

RSR280

Client: 5670

Lot #: A4F290191

Case Number/SDG: 100.58.19

Storage Location: MS

Severn Trent Laboratories, Inc.
Sample Control Record

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
GJ7N3	STILLERJ	6/29/04	Yes		Storage	
GJ7PF	STILLERJ	6/29/04	Yes		Storage	

RSR280

Client: 5670

Lot #: A4F300237

Case Number/SDG: 100.58.19

Storage Location: C60

Severn Trent Laboratories, Inc.
Sample Control Record

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
GJ99W	STILLERJ	6/30/04	Yes		Storage	

STL Cooler Receipt Form/Narrative **Lot Number:** A4F290191

North Canton Facility

Client: Payne Firm Project: EMD/Norwood Quote#:

Cooler Received on: 6-29-04 Opened on: 6-29-04 by: Natalie J Buehler (Signature)

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

STL Cooler No# 412 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 2.5 °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:
Date on Trip Blank labels = 3-8-04; Date on COC = 6-28-04; will log per COC.

2. SAMPLE CONDITION

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

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

3. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot #122603-HNO3; Sulfuric Acid Lot # 011-504-H2SO4; Sodium Hydroxide Lot # 111401-NaOH; Hydrochloric Acid Lot # 100902-HCl; Sodium Hydroxide and Zinc Acetate Lot # 112801-CH3COO2ZN/NaOH*

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

4. Other (see below or back)

Client ID	pH	Date	Initials

STL Cooler Receipt Form/Narrative **Lot Number:** A4F300251
North Canton Facility

Client: Payne Firm Project: FMD Quote#:
Cooler Received on: 6/30/04 Opened on: 6/30/04 by: [signature] (Signature)

Fedx ☐ Client Drop Off ☐ UPS ☐ DHL ☑ FAS ☐ Other:
STL Cooler No# E300 Foam Box ☐ Client Cooler ☐ Other

1. Were custody seals on the outside of the cooler? Yes ☑ No ☐ Intact? Yes ☑ No ☐ NA ☐
   If YES, Quantity 2
   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 #122603-HNO3; Sulfuric Acid Lot # 011-304-H2SO4; Sodium Hydroxide Lot # 111401-NaOH; Hydrochloric Acid Lot # 100902-HCl; Sodium Hydroxide and Zinc Acetate Lot # 112801-CH3COO2ZN/NaOH*
	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)
	4. Other (see below or back)

Client ID	pH	Date	Initials

SEVERN TRENT STL

GCMS VOLATILE DATA

SEVERN TRENT STL

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

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

Lab Code: STLCAN SDG No: 4F29191

Lot #: A4F290191

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	INTRA-LAB QC	95	107	97	85	00
02	MW508B/062804	96	108	100	91	00
03	TRIP BLANK/062804	99	108	100	85	00
04	METHOD BLK. GKCLP1AA	96	106	102	89	00
05	LCS GKCLP1AC	95	108	107	106	00
06	LAB MS/MSD D	96	106	110	109	00
07	LCSD GKCLP1AD	93	107	109	108	00
08	LAB MS/MSD S	95	109	110	107	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: 4F29191

Lot #: A4G010000 WO #: GKCLP1AC
BATCH: 4183119

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Xylenes (total)	30	34	113	87- 116	
cis-1,2-Dichloroethene	10	9.5	95	85- 113	
trans-1,2-Dichloroethene	10	9.8	98	79- 120	
Chloromethane	10	9.4	94	48- 123	
Bromomethane	10	8.6	86	64- 129	
Vinyl chloride	10	8.5	85	61- 120	
Chloroethane	10	8.2	82	66- 126	
Methylene chloride	10	9.4	94	78- 118	
Acetone	10	6.7	67	22- 200	
Carbon disulfide	10	10	103	73- 139	
1,1-Dichloroethene	10	11	106	63- 130	
1,1-Dichloroethane	10	11	106	86- 123	
1,2-Dichloroethene (total	20	19	96	82- 116	
Chloroform	10	10	102	84- 128	
1,2-Dichloroethane	10	11	109	79- 136	
2-Butanone	10	7.4	74	28- 237	
1,1,1-Trichloroethane	10	10	102	78- 140	
Carbon tetrachloride	10	11	106	75- 149	
Bromodichloromethane	10	10	100	87- 130	
1,2-Dichloropropane	10	10	103	82- 115	
cis-1,3-Dichloropropene	10	9.7	97	84- 130	
Trichloroethene	10	9.2	92	75- 122	
Dibromochloromethane	10	10	101	81- 138	
1,1,2-Trichloroethane	10	11	107	83- 122	
Benzene	10	10	100	80- 116	
trans-1,3-Dichloropropene	10	11	114	84- 130	
Bromoform	10	8.3	83	76- 150	
4-Methyl-2-pentanone	10	9.8	98	78- 141	
2-Hexanone	10	8.5	85	35- 200	
Tetrachloroethene	10	9.4	94	88- 113	
1,1,2,2-Tetrachloroethane	10	14	141*	85- 118	a

(Continued on next page)

SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4F29191

Lot #: A4G010000 WO #: GKCLP1AC
BATCH: 4183119

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Toluene	10	11	113	74- 119	
Chlorobenzene	10	10	105	76- 117	
Ethylbenzene	10	11	113	86- 116	
Styrene	10	11	114	85- 117	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 1 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4F29191

Lot #: A4G010000 WO #: GKCLP1AD
BATCH: 4183119

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	9.3	93	48- 123	
Bromomethane	10	8.3	83	64- 129	
Vinyl chloride	10	8.3	83	61- 120	
Chloroethane	10	8.4	84	66- 126	
Methylene chloride	10	9.3	93	78- 118	
Acetone	10	6.4	64	22- 200	
Carbon disulfide	10	10	101	73- 139	
1,1-Dichloroethene	10	11	106	63- 130	
1,1-Dichloroethane	10	10	104	86- 123	
1,2-Dichloroethene (total	20	19	97	82- 116	
Chloroform	10	10	101	84- 128	
1,2-Dichloroethane	10	11	110	79- 136	
2-Butanone	10	7.4	74	28- 237	
1,1,1-Trichloroethane	10	10	103	78- 140	
Carbon tetrachloride	10	11	106	75- 149	
Bromodichloromethane	10	10	103	87- 130	
1,2-Dichloropropane	10	10	101	82- 115	
cis-1,3-Dichloropropene	10	9.7	97	84- 130	
Trichloroethene	10	9.2	92	75- 122	
Dibromochloromethane	10	10	101	81- 138	
1,1,2-Trichloroethane	10	11	108	83- 122	
Benzene	10	10	100	80- 116	
trans-1,3-Dichloropropene	10	11	113	84- 130	
Bromoform	10	8.6	86	76- 150	
4-Methyl-2-pentanone	10	9.7	97	78- 141	
2-Hexanone	10	9.0	90	35- 200	
Tetrachloroethene	10	9.4	94	88- 113	
1,1,2,2-Tetrachloroethane	10	13	133*	85- 118	a
Toluene	10	11	113	74- 119	
Chlorobenzene	10	11	106	76- 117	
Ethylbenzene	10	11	114	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: 4F29191

Lot #: A4G010000 WO #: GKCLP1AD
BATCH: 4183119

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	12	117	85- 117	
Xylenes (total)	30	34	114	87- 116	
cis-1,2-Dichloroethene	10	9.6	96	85- 113	
trans-1,2-Dichloroethene	10	9.8	98	79- 120	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 1 out of 35 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4F29191

Matrix Spike ID: LAB MS/MSD

Lot #: A4F180379 WO #: GJL7E1AD
BATCH: 4183119

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	2500	ND	2600	105	62- 130	
Chloromethane	2500	ND	2300	94	40- 137	
Bromomethane	2500	ND	2100	84	55- 145	
Vinyl chloride	2500	ND	2100	85*	88- 126	a
Chloroethane	2500	ND	2100	84	59- 142	
Methylene chloride	2500	ND	2300	93	82- 115	
Acetone	2500	ND	1700	67	45- 128	
Carbon disulfide	2500	ND	2600	103	69- 138	
1,1-Dichloroethane	2500	ND	2600	104	88- 127	
1,2-Dichloroethene (total	5000	6400	11000	96	86- 115	
Chloroform	2500	ND	2600	103	83- 141	
1,2-Dichloroethane	2500	ND	2800	112	71- 160	
2-Butanone	2500	ND	1800	73	71- 123	
1,1,1-Trichloroethane	2500	ND	2500	101	71- 162	
Carbon tetrachloride	2500	ND	2700	109	63- 176	
Bromodichloromethane	2500	ND	2600	103	80- 146	
1,2-Dichloropropane	2500	ND	2500	101	87- 114	
cis-1,3-Dichloropropene	2500	ND	2400	96	82- 130	
Trichloroethene	2500	1500	3800	94	62- 130	
Dibromochloromethane	2500	ND	2600	103	71- 158	
1,1,2-Trichloroethane	2500	ND	2700	107	86- 129	
Benzene	2500	ND	2400	96	78- 118	
trans-1,3-Dichloropropene	2500	ND	2800	113	73- 147	
Bromoform	2500	ND	2100	85	58- 176	
4-Methyl-2-pentanone	2500	ND	2400	96	82- 135	
2-Hexanone	2500	ND	2200	87	81- 128	
Tetrachloroethene	2500	1200	3600	93	85- 121	
1,1,2,2-Tetrachloroethane	2500	ND	3200	129*	88- 116	a

(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: 4F29191

Matrix Spike ID: LAB MS/MSD

Lot #: A4F180379 WO #: GJL7E1AD
BATCH: 4183119

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Toluene	2500	ND	2800	114	70- 119	
Chlorobenzene	2500	ND	2600	106	76- 117	
Ethylbenzene	2500	ND	2700	109	86- 132	
Styrene	2500	ND	2800	114	83- 120	
Xylenes (total)	7500	ND	8500	113	89- 121	
cis-1,2-Dichloroethene	2500	6400	8700	92	87- 114	
trans-1,2-Dichloroethene	2500	ND	2600	101	85- 116	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

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

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

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4F29191

Matrix Spike ID: LAB MS/MSD

Lot #: A4F180379 WO #: GJL7E1AE
BATCH: 4183119

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	2500	2700	109	4.3	20	62- 130	
Chloromethane	2500	2400	95	1.2	39	40- 137	
Bromomethane	2500	2100	85	1.1	30	55- 145	
Vinyl chloride	2500	2200	87*	2.9	30	88- 126	a
Chloroethane	2500	2200	86	3.0	30	59- 142	
Methylene chloride	2500	2400	95	1.6	30	82- 115	
Acetone	2500	1600	63	5.8	30	45- 128	
Carbon disulfide	2500	2600	105	2.2	41	69- 138	
1,1-Dichloroethane	2500	2600	105	1.6	30	88- 127	
1,2-Dichloroethene (total	5000	11000	100	1.4	30	86- 115	
Chloroform	2500	2600	104	1.1	30	83- 141	
1,2-Dichloroethane	2500	2800	113	0.80	30	71- 160	
2-Butanone	2500	1800	72	1.5	30	71- 123	
1,1,1-Trichloroethane	2500	2600	104	2.2	30	71- 162	
Carbon tetrachloride	2500	2700	110	0.58	30	63- 176	
Bromodichloromethane	2500	2600	103	0.43	30	80- 146	
1,2-Dichloropropane	2500	2600	104	2.5	30	87- 114	
cis-1,3-Dichloropropene	2500	2400	97	1.3	30	82- 130	
Trichloroethene	2500	3900	97	2.0	20	62- 130	
Dibromochloromethane	2500	2600	105	1.3	30	71- 158	
1,1,2-Trichloroethane	2500	2700	108	1.1	30	86- 129	
Benzene	2500	2500	101	4.2	20	78- 118	
trans-1,3-Dichloropropene	2500	2900	118	3.9	30	73- 147	
Bromoform	2500	2200	88	3.1	30	58- 176	
4-Methyl-2-pentanone	2500	2500	100	4.8	30	82- 135	
2-Hexanone	2500	2200	87	0.62	30	81- 128	
Tetrachloroethene	2500	3600	97	2.5	30	85- 121	
1,1,2,2-Tetrachloroethane	2500	3500	138*	7.0	30	88- 116	a

(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: 4F29191

Matrix Spike ID: LAB MS/MSD

Lot #: A4F180379 WO #: GJL7E1AE
BATCH: 4183119

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Toluene	2500	2900	118	3.3	20	70- 119	
Chlorobenzene	2500	2700	109	3.4	20	76- 117	
Ethylbenzene	2500	2800	113	3.6	30	86- 132	
Styrene	2500	3000	120	5.3	30	83- 120	
Xylenes (total)	7500	8800	117	3.3	30	89- 121	
cis-1,2-Dichloroethene	2500	8900	100	2.1	30	87- 114	
trans-1,2-Dichloroethene	2500	2600	99	1.2	30	85- 116	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

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

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

COMMENTS:

FORM III

BLANK WORKORDER NO.

GKCLP1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4F29191

Lab File ID: UX77267.D

Lot Number: A4F290191

Date Analyzed: 06/30/04

Time Analyzed: 11:45

Matrix: WATER

Date Extracted:06/30/04

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX7

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	INTRA-LAB QC	GJL7E1AA	UX77270.D	06/30/04	12:55
02	LAB MS/MSD	GJL7E1AD S	UX77276.D	06/30/04	15:15
03	LAB MS/MSD	GJL7E1AE D	UX77277.D	06/30/04	15:39
04	MW508B/062804	GJ7N31AA	UX77268.D	06/30/04	12:08
05	TRIP BLANK/062804	GJ7PF1AA	UX77269.D	06/30/04	12:32
06	CHECK SAMPLE	GKCLP1AC C	UX77264.D	06/30/04	10:34
07	DUPLICATE CHECK	GKCLP1AD L	UX77266.D	06/30/04	11:21
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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.: 4F29191

Lab File ID: BFB222 BFB Injection Date: 04/21/04

Instrument ID: A3UX7 BFB Injection Time: 0850

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	21.9
75	30.0 - 60.0% of mass 95	51.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	79.8
175	5.0 - 9.0% of mass 174	5.9 (7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	78.8 (98.7)1
177	5.0 - 9.0% of mass 176	5.5 (7.0)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	5NGA9CAL	UX74908	04/21/04	0938
02	VSTD002	10NGA9CAL	UX74909	04/21/04	1002
03	VSTD005	25NGA9CAL	UX74910	04/21/04	1026
04	VSTD010	50NGA9CAL	UX74911	04/21/04	1050
05	VSTD020	100NGA9CAL	UX74912	04/21/04	1113
06	VSTD040	200NGA9CAL	UX74913	04/21/04	1155
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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.: 4F29191

Lab File ID: BFB277 BFB Injection Date: 06/02/04

Instrument ID: A3UX7 BFB Injection Time: 1151

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	17.1
75	30.0 - 60.0% of mass 95	45.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.6 (0.7)1
174	50.0 - 100.0% of mass 95	80.5
175	5.0 - 9.0% of mass 174	5.7 (7.1)1
176	Greater than 95.0%, but less than 101.0% of mass 174	80.3 (99.7)1
177	5.0 - 9.0% of mass 176	4.8 (6.0)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	5.0NG8260CAL	UX76306	06/02/04	1214
02	VSTD002	10NG8260CAL	UX76307	06/02/04	1238
03	VSTD005	25NG8260CAL	UX76308	06/02/04	1301
04	VSTD010	50NG8260CAL	UX76309	06/02/04	1325
05	VSTD020	100NG8260CAL	UX76310	06/02/04	1348
06	VSTD040	200NG8260CAL	UX76311	06/02/04	1412
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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.: 4F29191

Lab File ID: BFB312 BFB Injection Date: 06/30/04

Instrument ID: A3UX7 BFB Injection Time: 0932

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	19.0
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.4 (0.6)1
174	50.0 - 100.0% of mass 95	76.8
175	5.0 - 9.0% of mass 174	5.6 (7.2)1
176	Greater than 95.0%, but less than 101.0% of mass 174	73.4 (95.5)1
177	5.0 - 9.0% of mass 176	5.1 (7.0)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-A9CC	UX77262	06/30/04	0947
02	GKCLP-CHK	GKCLP1AC	UX77264	06/30/04	1034
03	VSTD010	50NG-CC	UX77265	06/30/04	1058
04	GKCLP-CKDUP	GKCLP1AD	UX77266	06/30/04	1121
05	GKCLP-BLK	GKCLP1AA	UX77267	06/30/04	1145
06	MW508B/06280	GJ7N31AA	UX77268	06/30/04	1208
07	TRIP BLANK/0	GJ7PF1AA	UX77269	06/30/04	1232
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FORM V VOA 1/87 Rev.

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4F29191

Lab File ID (Standard): UX77265 Date Analyzed: 06/30/04

Instrument ID: A3UX7 Time Analyzed: 1058

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	793940	7.57	1115725	4.96	350026	9.79
	UPPER LIMIT	1587880	8.07	2231450	5.46	700052	10.29
	LOWER LIMIT	396970	7.07	557863	4.46	175013	9.29
	EPA SAMPLE NO.						
01	GKCLP-CKDUP	792305	7.57	1114038	4.95	327234	9.79
02	GKCLP-BLK	736373	7.57	1033279	4.96	268381	9.79
03	MW508B/06280	743012	7.57	1018428	4.95	280656	9.79
04	TRIP BLANK/0	721423	7.57	1009838	4.95	264070	9.79
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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.

FORM VIII VOA 1/87 Rev.

SEVERN TRENT STL

SAMPLE DATA

PAYNE FIRM INC.

Client Sample ID: MW508B/062804

GC/MS Volatiles

Lot-Sample #...: A4F290191-001 **Work Order #...:** GJ7N31AA **Matrix.....:** WG
Date Sampled...: 06/28/04 12:15 **Date Received..:** 06/29/04
Prep Date.....: 06/30/04 **Analysis Date..:** 06/30/04
Prep Batch #...: 4183119
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	**1.0**	**1.0**	**ug/L**
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	**1.8**	**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	200	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

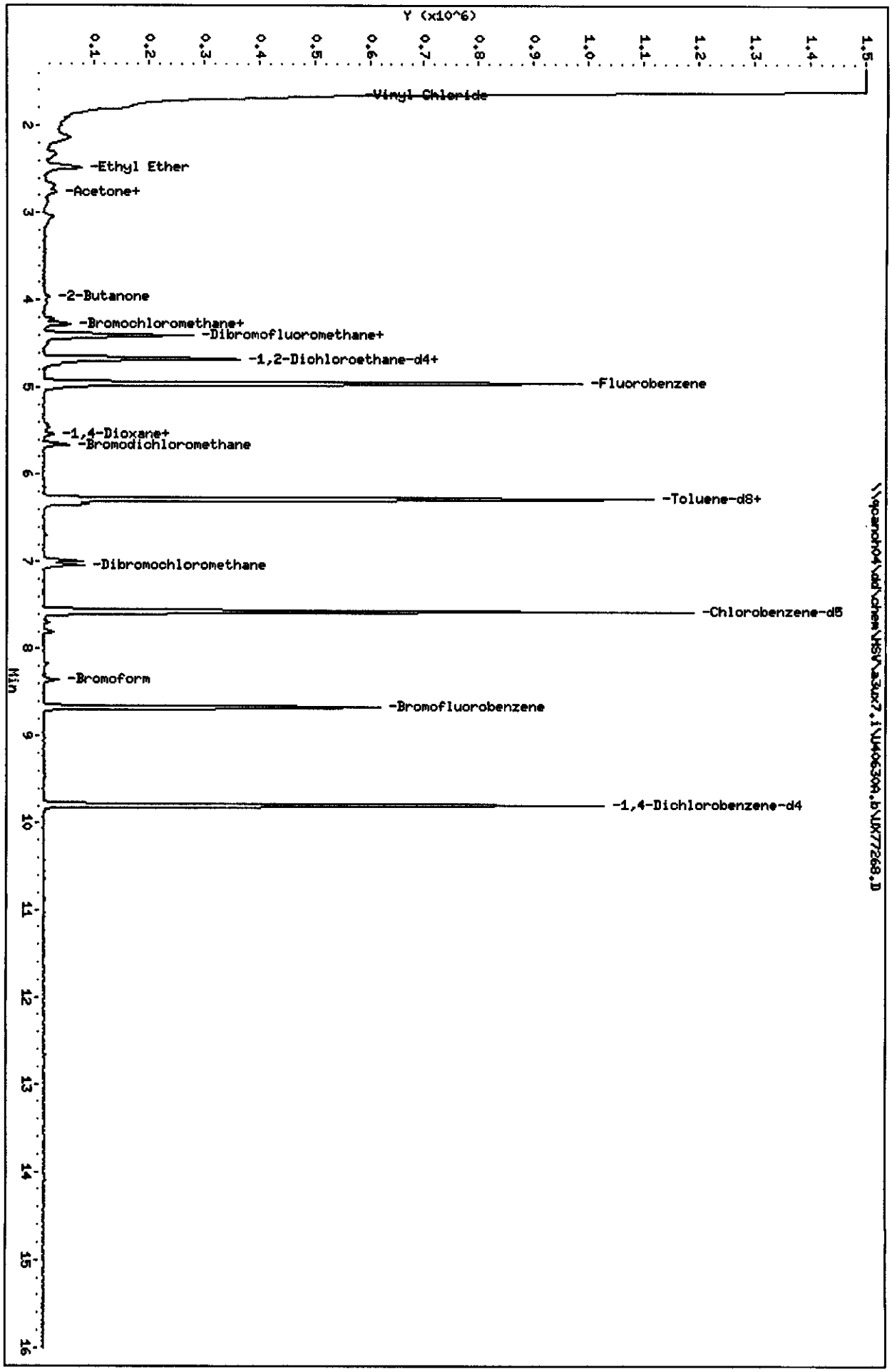
Client Sample ID: MW508B/062804

GC/MS Volatiles

Lot-Sample #...: A4F290191-001 **Work Order #...:** GJ7N31AA **Matrix.....:** WG

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)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Date : 30-JUN-2004 12:08
Client ID: HW5088/062804
Sample Info: GJ7N31AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624 20m
Instrument: a3ux7.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Vinyl Chloride
Ethyl Ether
Acetone+
2-Butanone
Bromochloromethane+
Dibromofluoromethane+
1,2-Dichloroethane-d4+
Fluorobenzene
1,4-Dioxane+
Bromodichloromethane
Toluene-d8+
Dibromochloromethane
Chlorobenzene-d5
Bromoform
Bromofluorobenzene
1,4-Dichlorobenzene-d4
Min
\\qcanch04\dd\chem\HSV\a3ux7.i\U406300.b\UX77268.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77268.D
Report Date: 01-Jul-2004 09:43

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77268.D
Lab Smp Id: GJ7N31AA Client Smp ID: MW508B/062804
Inj Date : 30-JUN-2004 12:08
Operator : 43582 Inst ID: a3ux7.i
Smp Info : GJ7N31AA,5ML/5ML
Misc Info : U40630A,N8260UX7-3,,43582
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b\N8260UX7-3.m
Meth Date : 01-Jul-2004 09:41 evansl Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.952	4.955	(1.000)	1018428	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.570	(1.000)	743012	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.794	(1.000)	280656	50.0000	
$ 4 Dibromofluoromethane	113	4.407	4.398	(0.890)	221647	48.2286	9.646
$ 5 1,2-Dichloroethane-d4	65	4.679	4.671	(0.945)	340705	53.8371	10.767
$ 6 Toluene-d8	98	6.277	6.280	(0.830)	830012	50.1931	10.039
$ 7 Bromofluorobenzene	95	8.667	8.670	(1.145)	261950	45.4854	9.097
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.768	1.748	(0.357)	10395	1.22695	0.2454
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	2.691	2.683	(0.544)	46375	10.5975	2.120
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77268.D
Report Date: 01-Jul-2004 09:43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	2.881	2.872	(0.582)	22947	1.26031	0.2521
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.029	4.020	(0.814)	15674	4.22113	0.8442
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	4.218	4.221	(0.852)	5604	1.94369	0.3887
	35 Chloroform	83	4.277	4.280	(0.864)	46237	4.76657	0.9533
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.739	4.730	(0.957)	20530	0.85229	0.1704
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.543	5.534	(1.119)	4924	102.814	20.563
	45 Dibromomethane	93	5.543	5.534	(1.119)	7301	2.25338	0.4507
	46 Bromodichloromethane	83	5.661	5.653	(1.143)	37847	5.12958	1.026
	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	6.336	6.339	(0.837)	56936	2.69318	0.5386
	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	7.034	7.037	(0.930)	43450	9.20473	1.841
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77268.D
Report Date: 01-Jul-2004 09:43

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	8.359	8.362	(1.105)	13526	4.29733	0.8595
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.478	2.468	(0.501)	60854	12.4794	2.496
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	4.514	4.505	(0.912)	6113	0.78890	0.1578(a)
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77268.D

Date : 30-JUN-2004 12:08

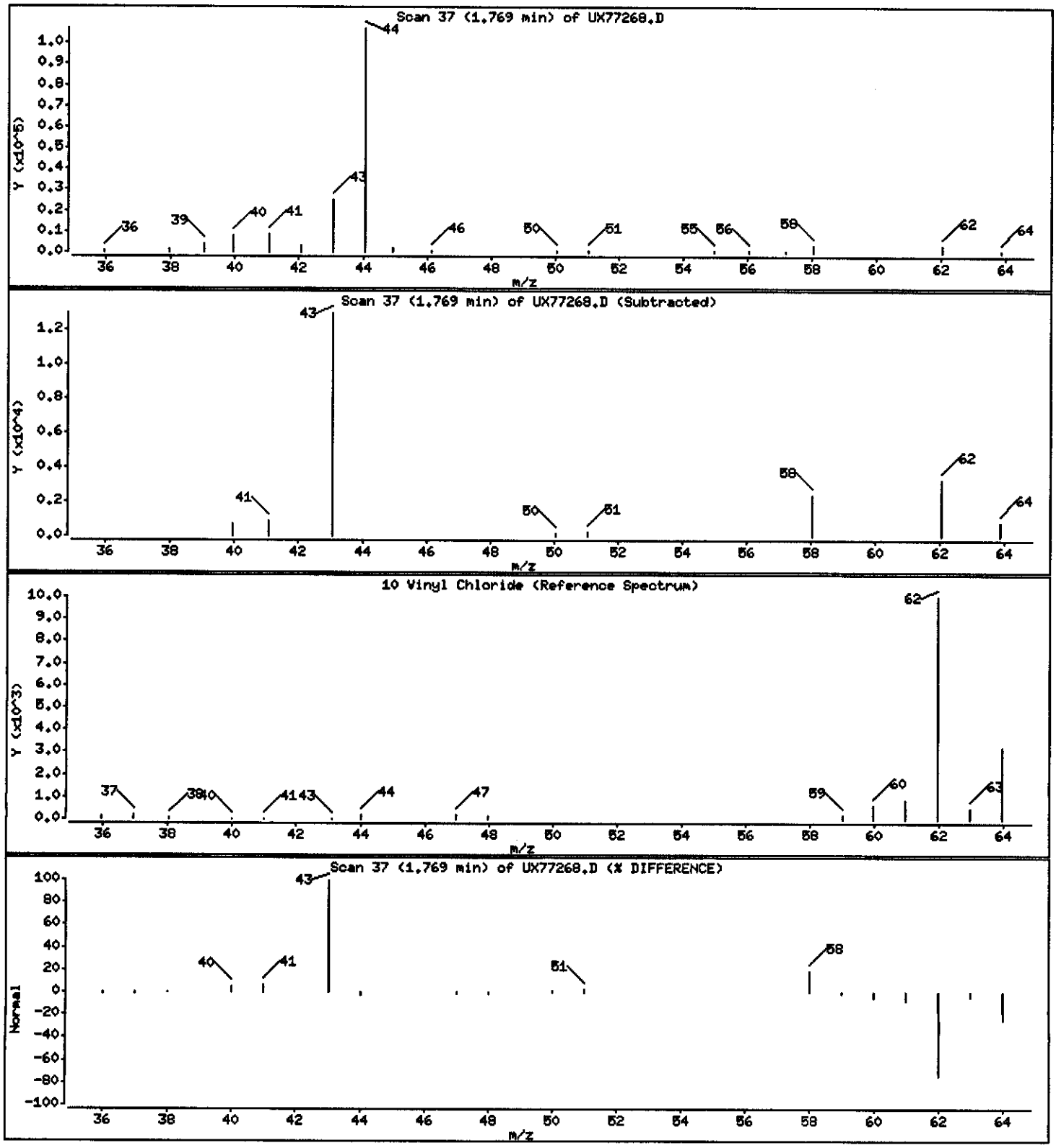
Client ID: MW508B/062804 Instrument: a3ux7.i

Sample Info: GJ7N31AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 20m Column diameter: 0.18

10 Vinyl Chloride Concentration: 0.2454 ug/L



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Date : 30-JUN-2004 12:08

Client ID: MW508B/062804

Instrument: a3ux7.i

Sample Info: GJ7N31AA,5ML/5ML

Purge Volume: 5.0

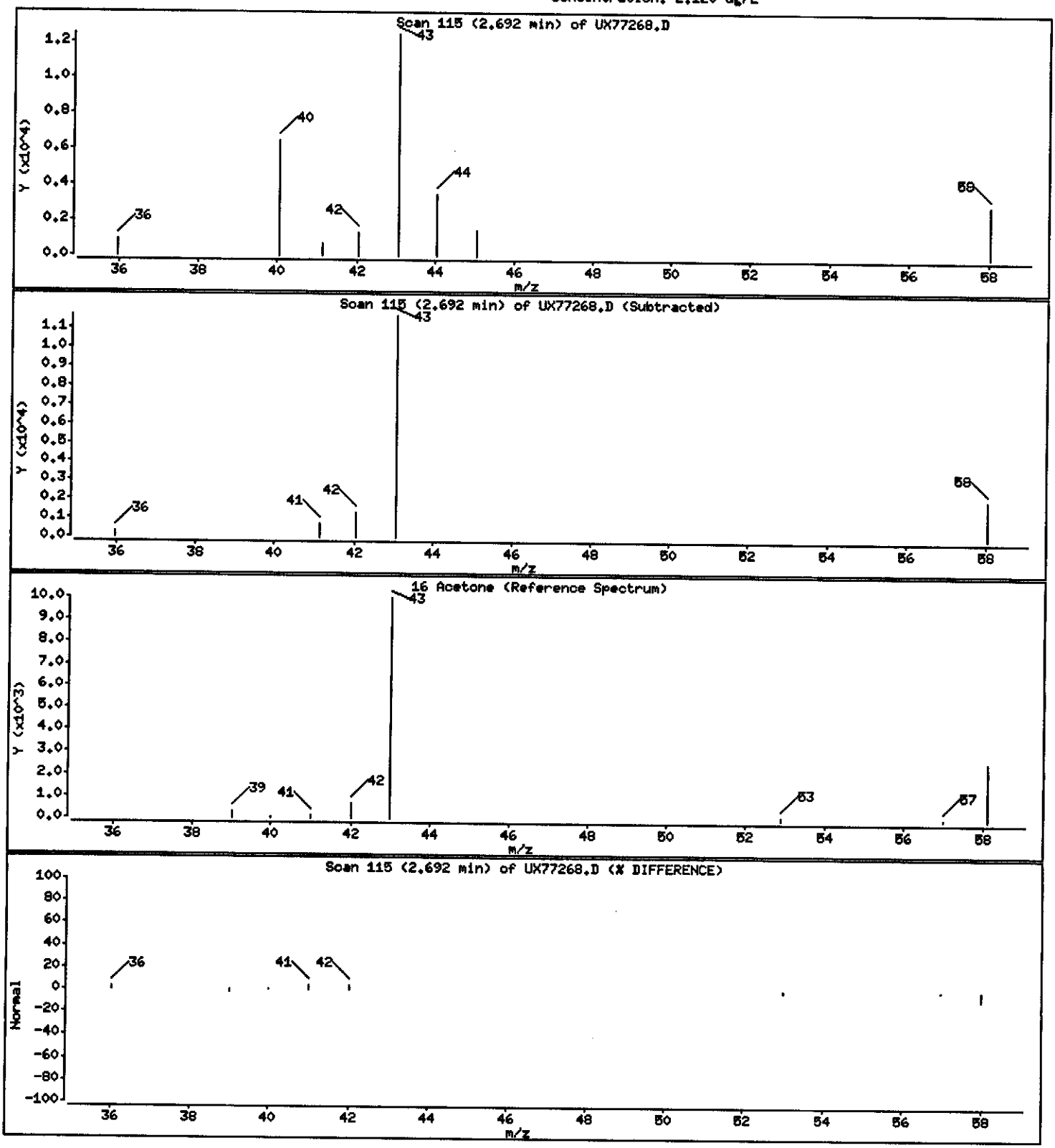
Operator: 43582

Column phase: DB624 20m

Column diameter: 0.18

16 Acetone

Concentration: 2.120 ug/L



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Date : 30-JUN-2004 12:08

Client ID: MW508B/062804

Instrument: a3ux7.i

Sample Info: GJ7N31AA,5ML/5ML

Purge Volume: 5.0

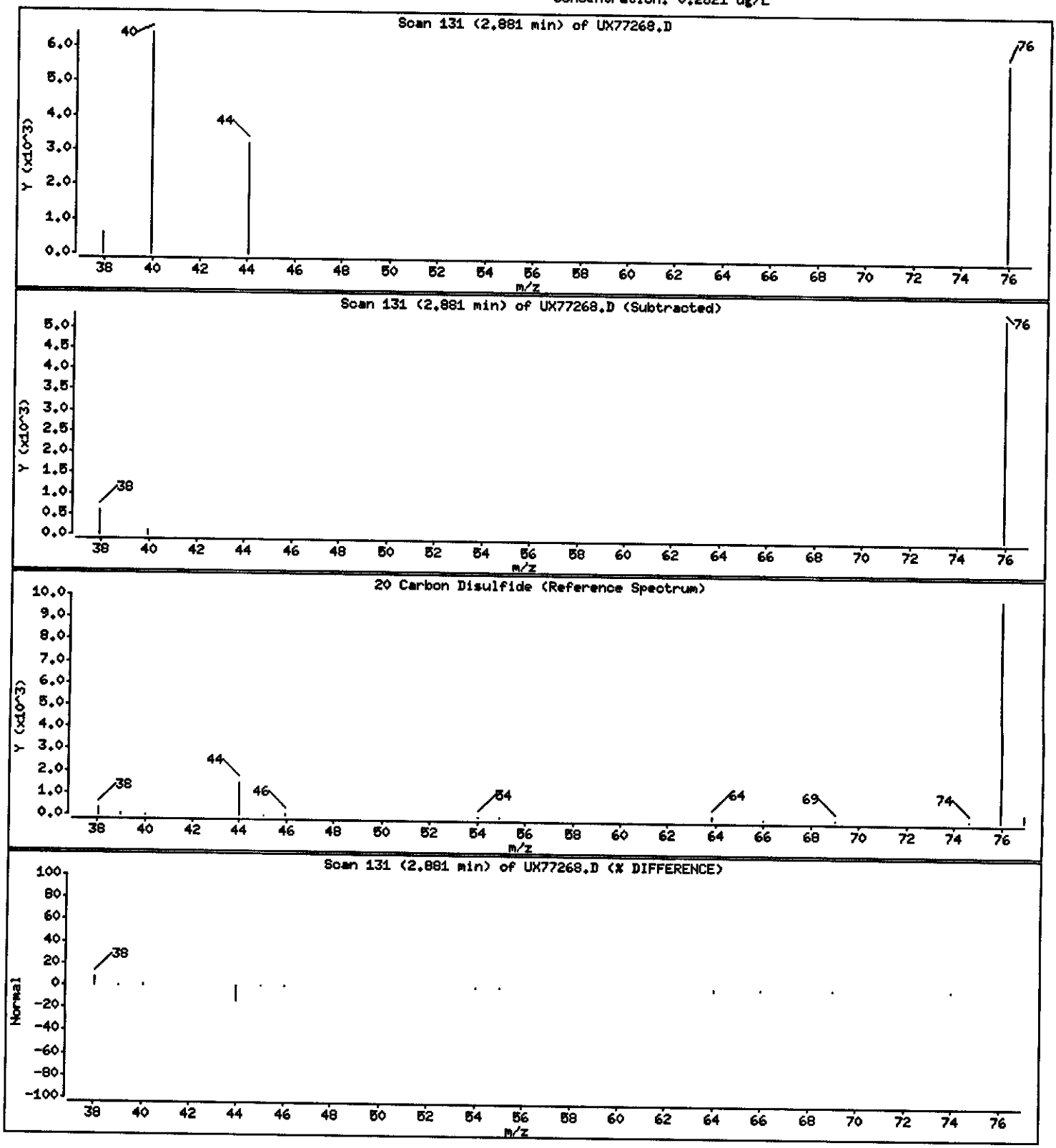
Operator: 43582

Column phase: DB624 20m

Column diameter: 0.18

20 Carbon Disulfide

Concentration: 0.2521 ug/L



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Date : 30-JUN-2004 12:08

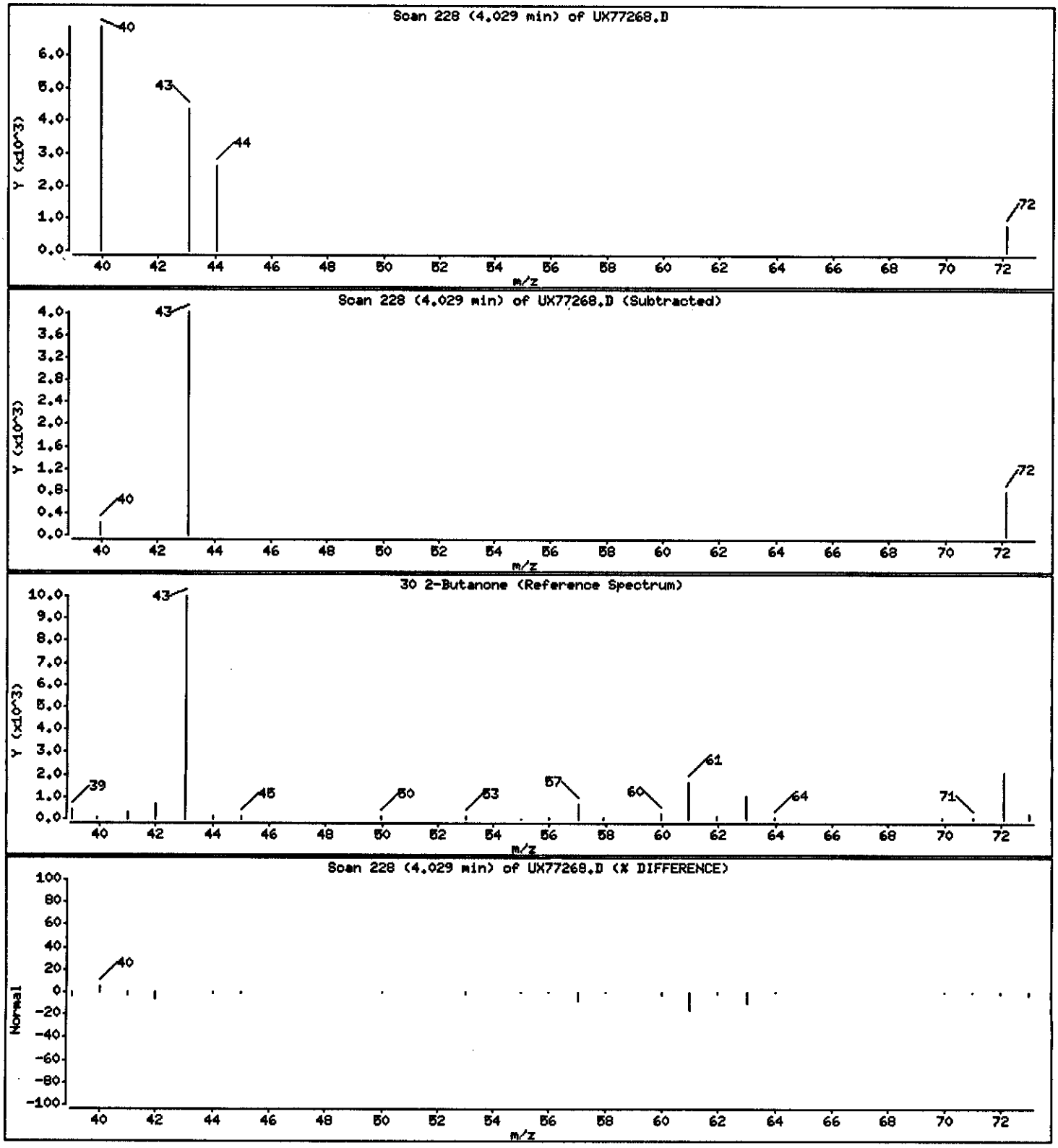
Client ID: MW508B/062804 Instrument: a3ux7.i

Sample Info: GJ7N31AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 20m Column diameter: 0.18

30 2-Butanone Concentration: 0.8442 ug/L



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Date : 30-JUN-2004 12:08

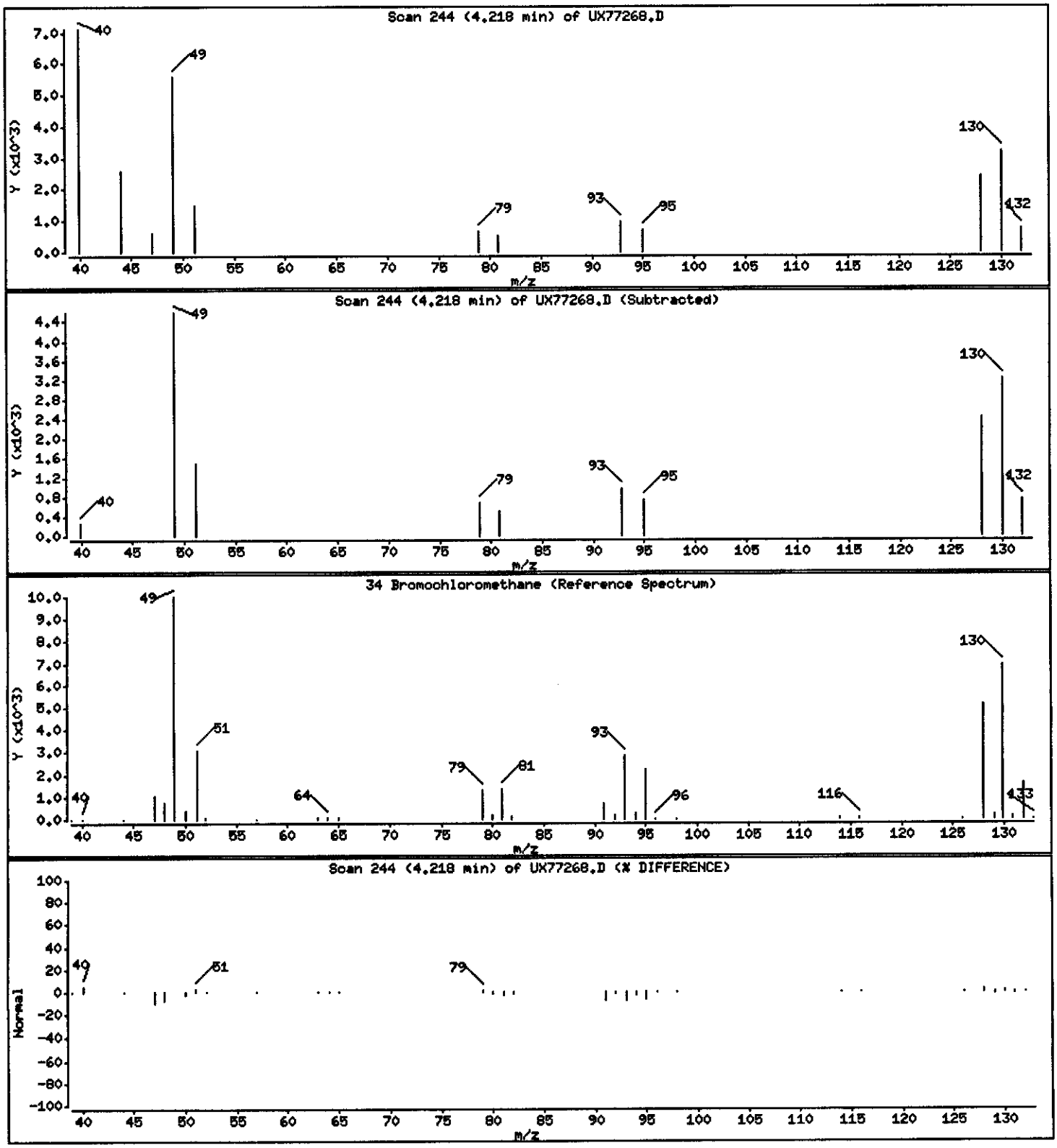
Client ID: MW508B/062804 Instrument: a3ux7.i

Sample Info: GJ7N31AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 20m Column diameter: 0.18

34 Bromochloromethane Concentration: 0.3887 ug/L



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Date : 30-JUN-2004 12:08

Client ID: MW508B/062804

Instrument: a3ux7.i

Sample Info: GJ7N31AA,5ML/5ML

Purge Volume: 5.0

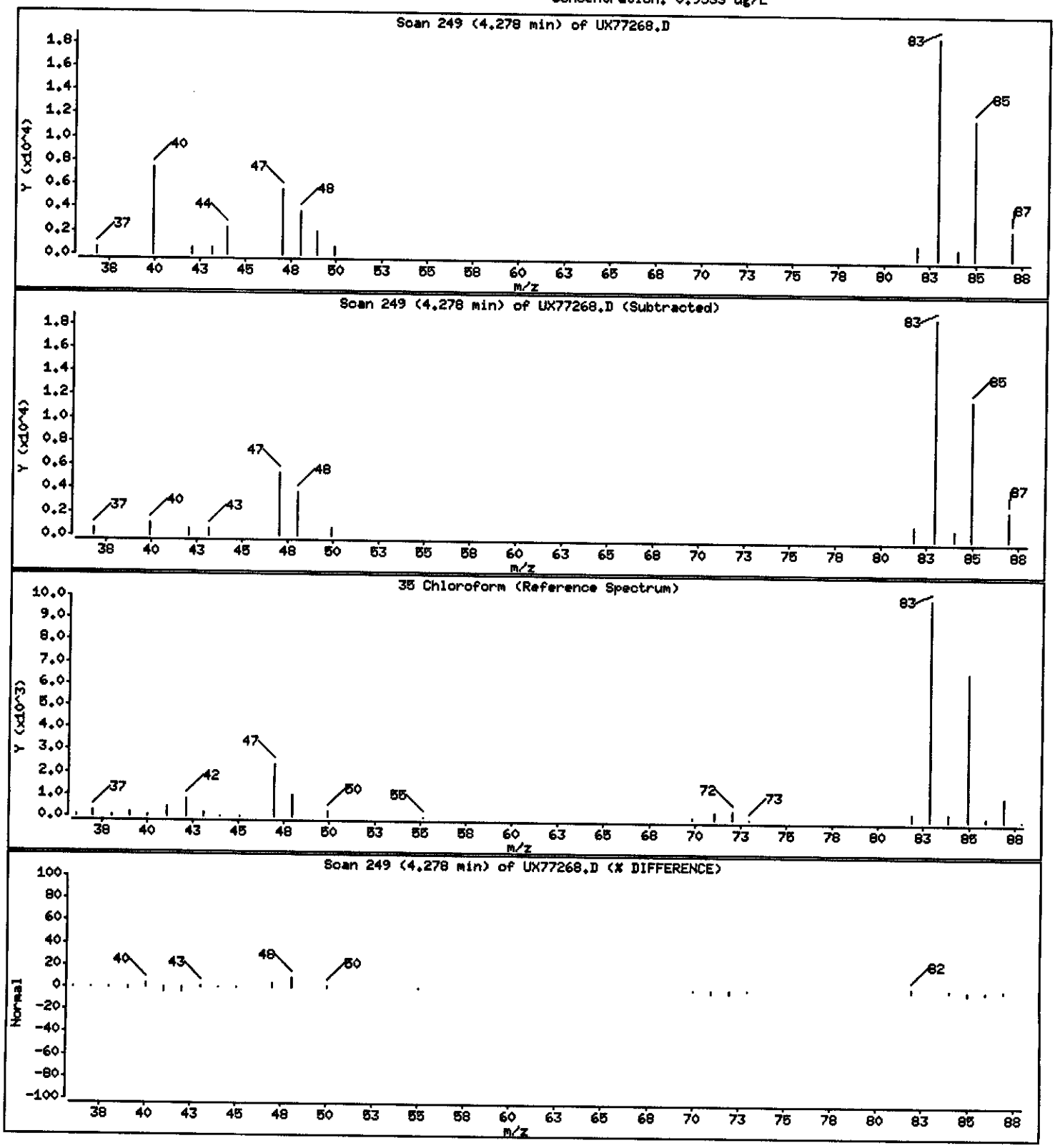
Operator: 43582

Column phase: DB624 20m

Column diameter: 0.18

35 Chloroform

Concentration: 0.9533 ug/L



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Date : 30-JUN-2004 12:08

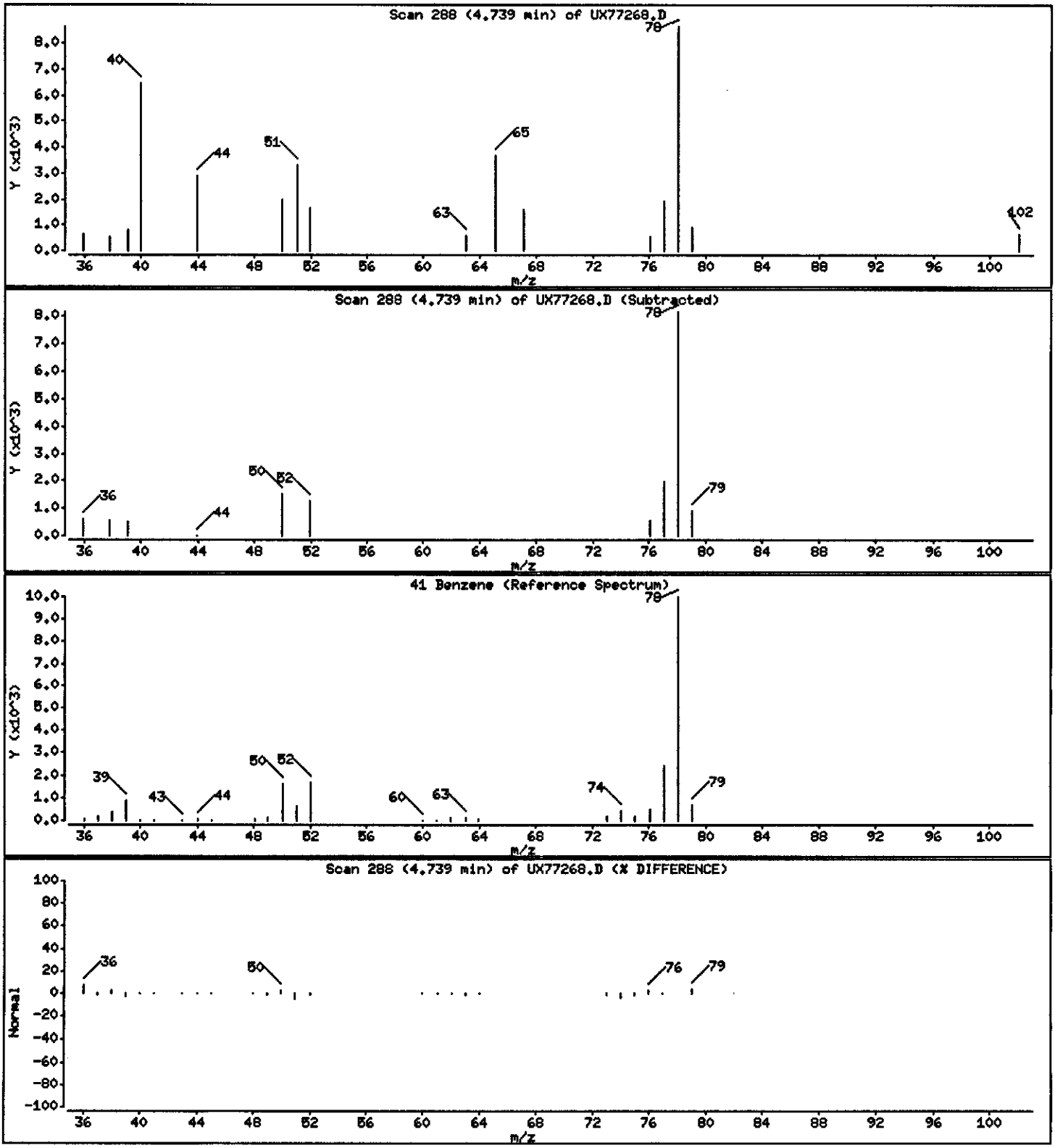
Client ID: MW508B/062804 Instrument: a3ux7.i

Sample Info: GJ7N31AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 20m Column diameter: 0.18

41 Benzene Concentration: 0.1704 ug/L



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Date : 30-JUN-2004 12:08

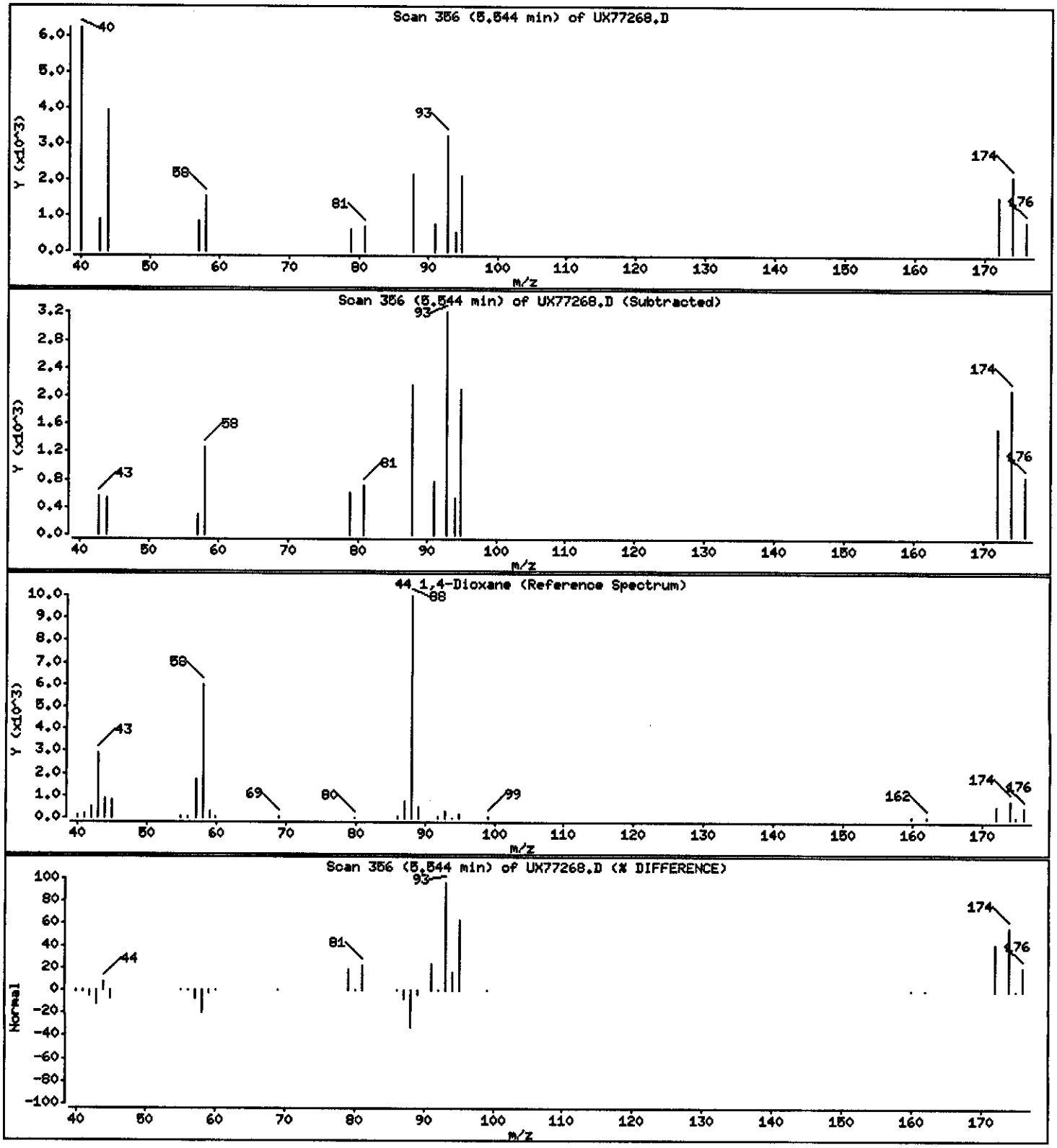
Client ID: MW508B/062804 Instrument: a3ux7.i

Sample Info: GJ7N31AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 20m Column diameter: 0.18

44 1,4-Dioxane Concentration: 20.563 ug/L



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Date : 30-JUN-2004 12:08

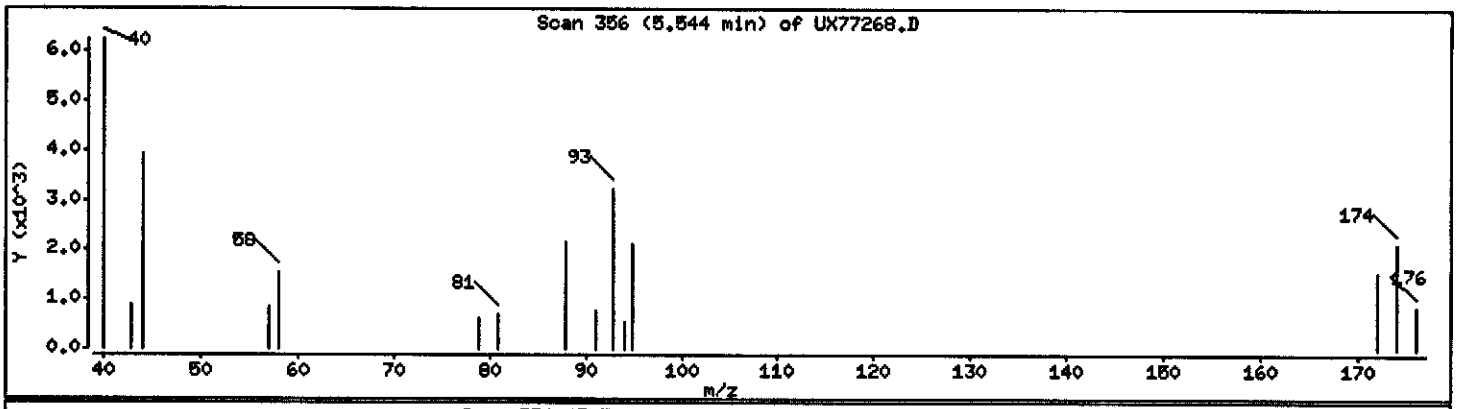
Client ID: MW508B/062804 Instrument: a3ux7.i

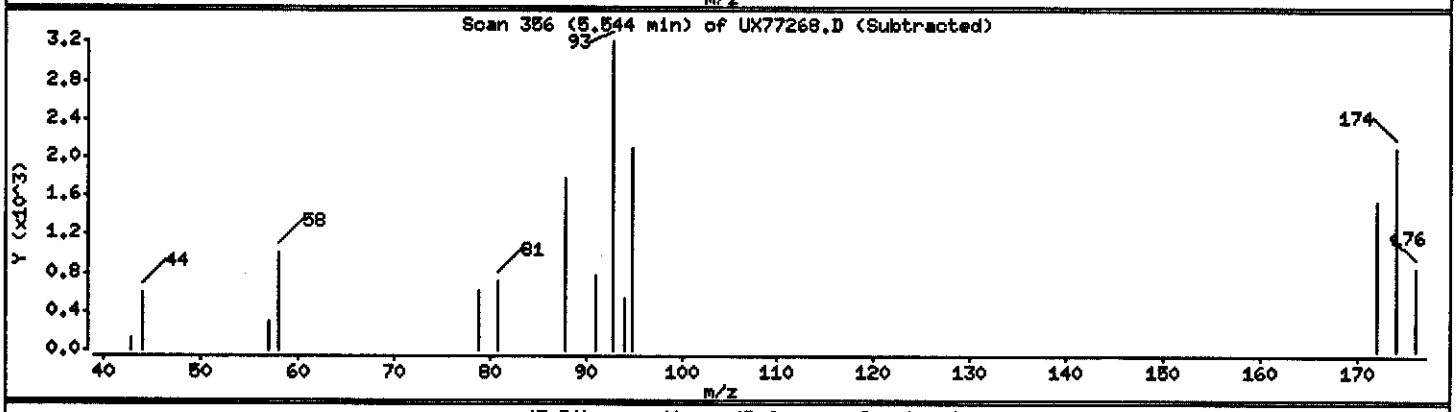
Sample Info: GJ7N31AA,5ML/5ML

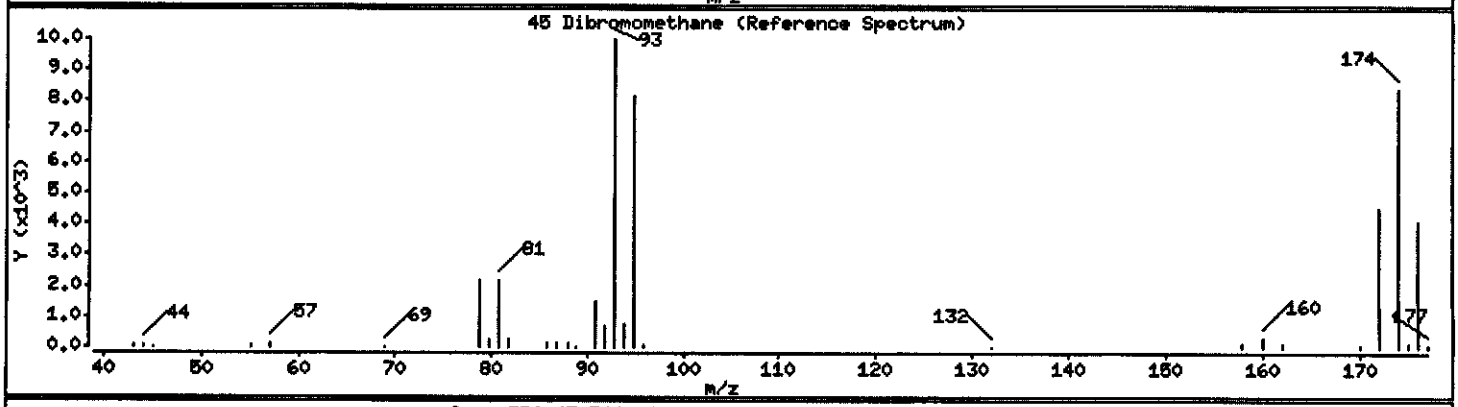
Purge Volume: 5.0 Operator: 43582

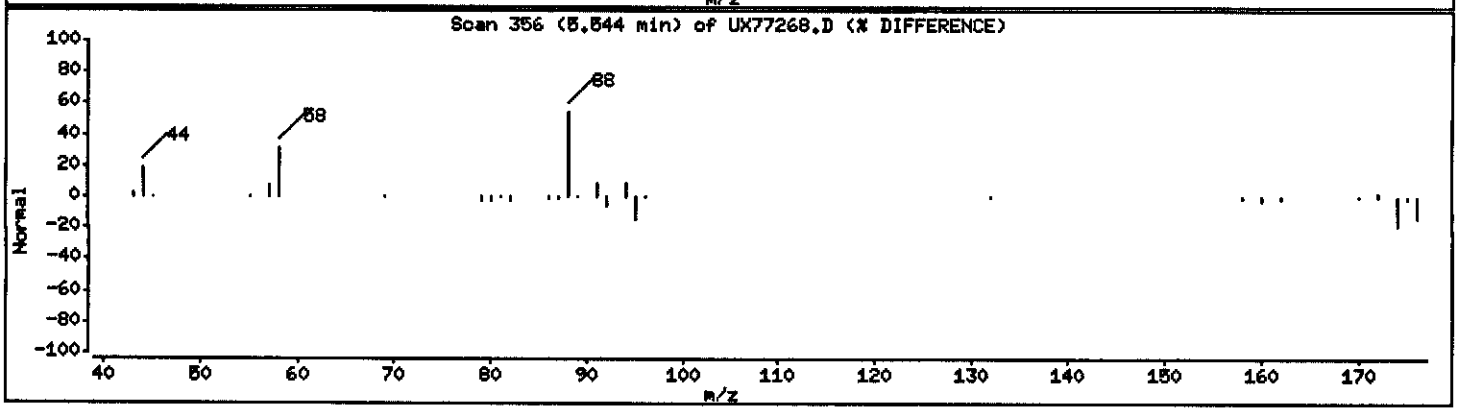
Column phase: DB624 20m Column diameter: 0.18

45 Dibromomethane Concentration: 0.4507 ug/L









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Date : 30-JUN-2004 12:08

Client ID: MW508B/062804

Instrument: a3ux7.i

Sample Info: GJ7N31AA,5ML/5ML

Purge Volume: 5.0

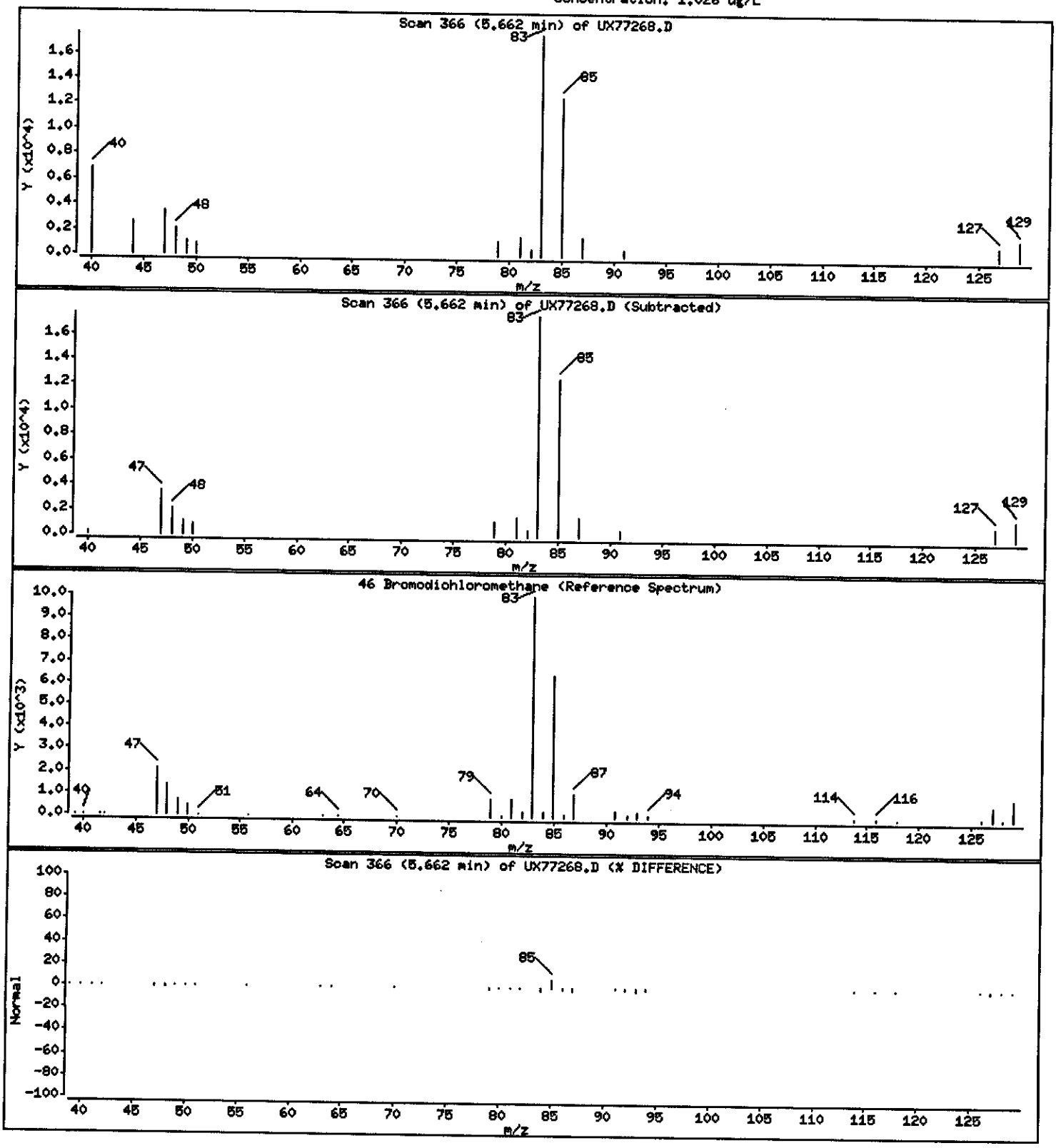
Operator: 43582

Column phase: DB624 20m

Column diameter: 0.18

46 Bromodichloromethane

Concentration: 1.026 ug/L



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Date : 30-JUN-2004 12:08

Client ID: MW508B/062804

Instrument: a3ux7.i

Sample Info: GJ7N31AA,5ML/5ML

Purge Volume: 5.0

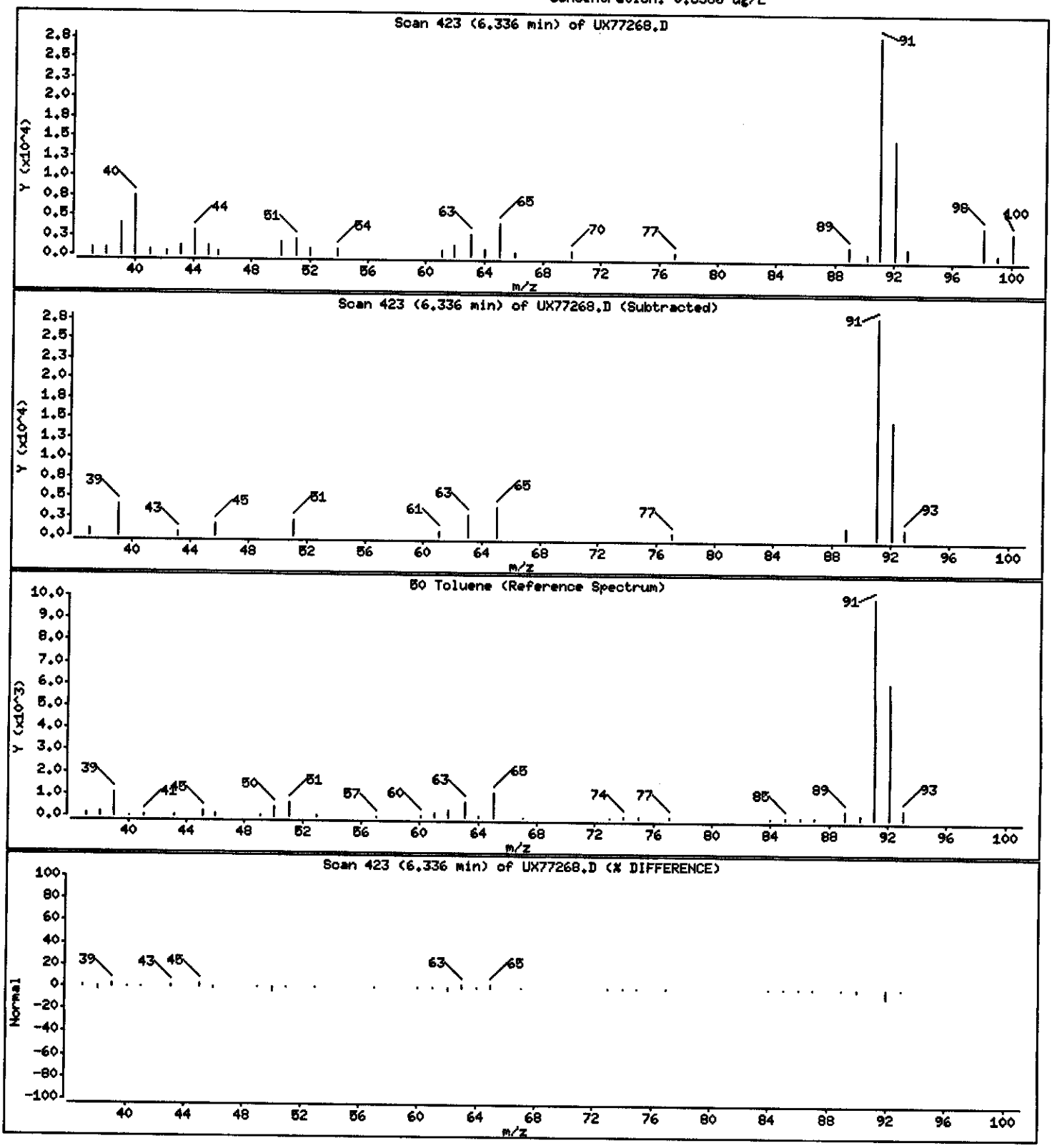
Operator: 43582

Column phase: DB624 20m

Column diameter: 0.18

50 Toluene

Concentration: 0.5386 ug/L



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Date : 30-JUN-2004 12:08

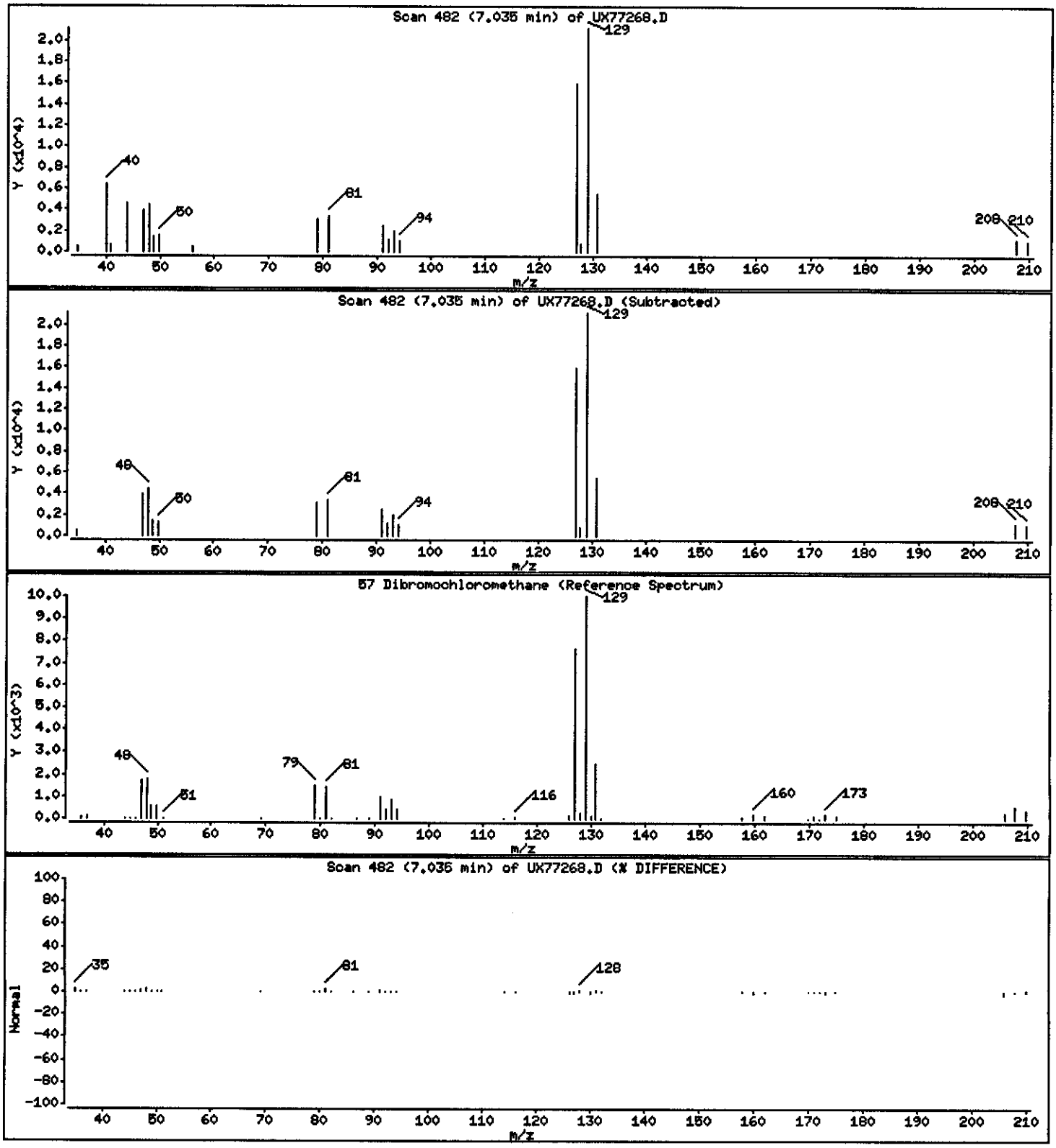
Client ID: MW508B/062804 Instrument: a3ux7.i

Sample Info: GJ7N31AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 20m Column diameter: 0.18

57 Dibromochloromethane Concentration: 1.841 ug/L



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Date : 30-JUN-2004 12:08

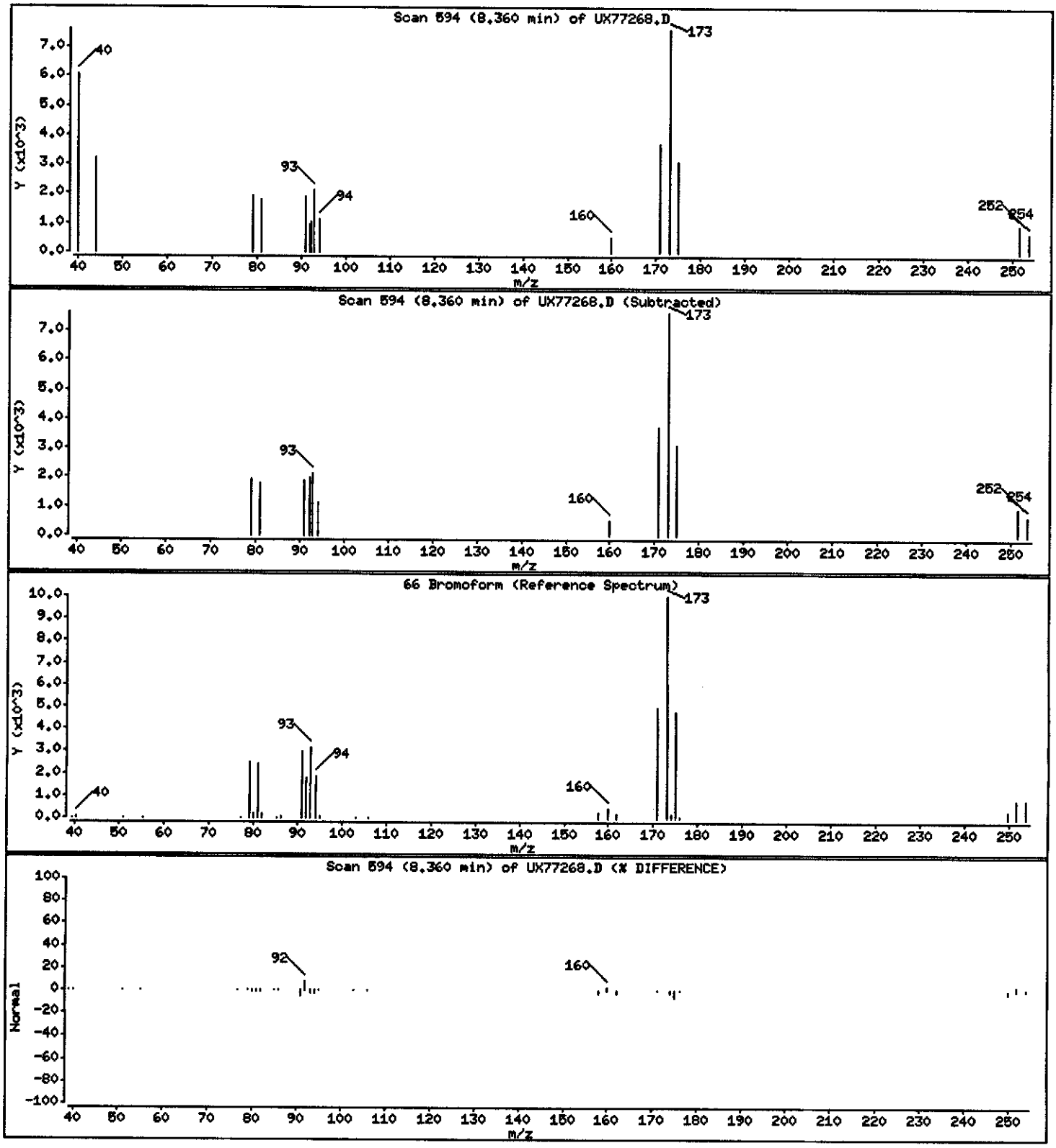
Client ID: MW508B/062804 Instrument: a3ux7.i

Sample Info: GJ7N31AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 20m Column diameter: 0.18

66 Bromoform Concentration: 0.8595 ug/L



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Date : 30-JUN-2004 12:08

Client ID: MW508B/062804

Instrument: a3ux7.i

Sample Info: GJ7N31AA,5ML/5ML

Purge Volume: 5.0

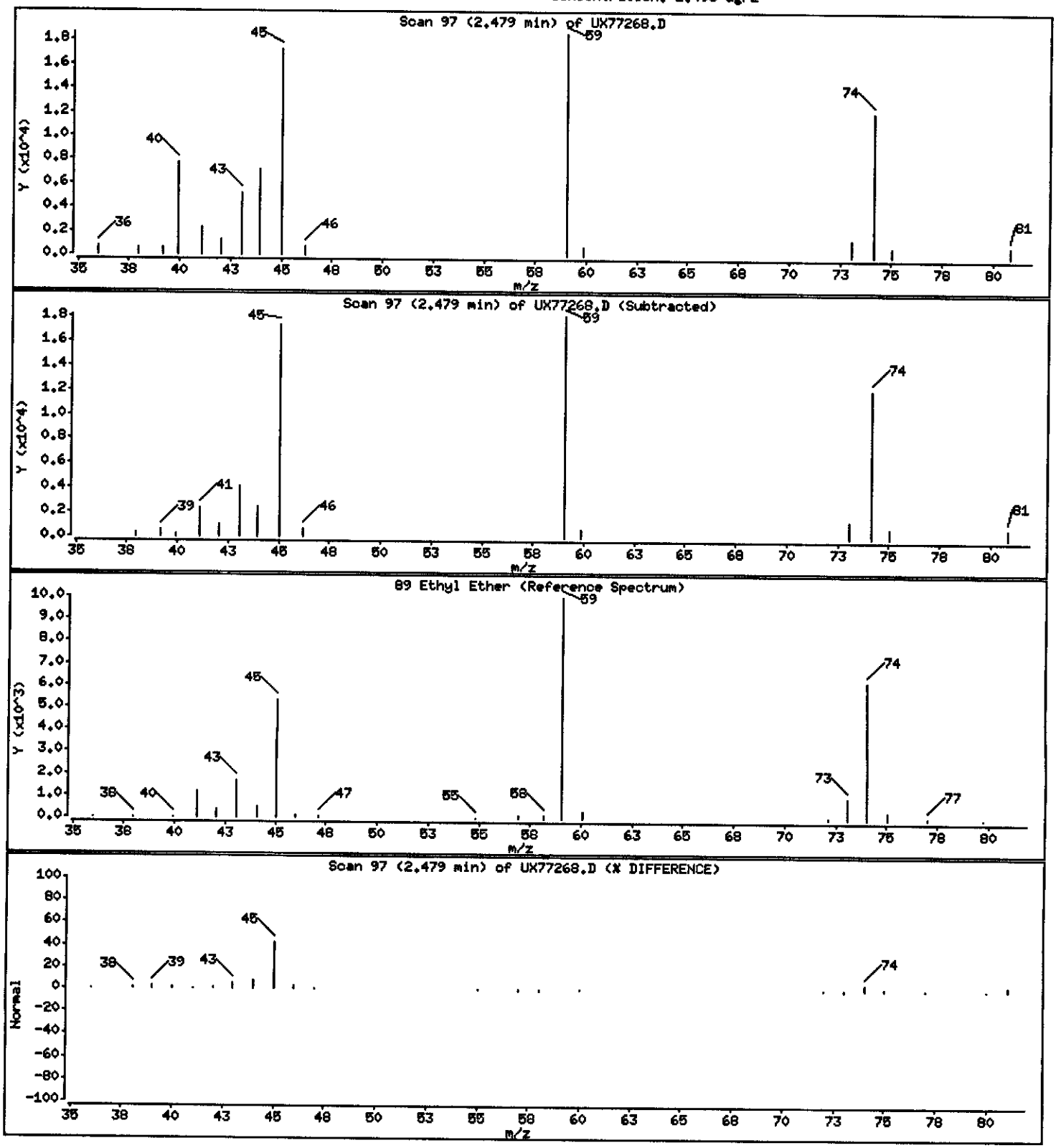
Operator: 43582

Column phase: DB624 20m

Column diameter: 0.18

89 Ethyl Ether

Concentration: 2.496 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77268.D

Date : 30-JUN-2004 12:08

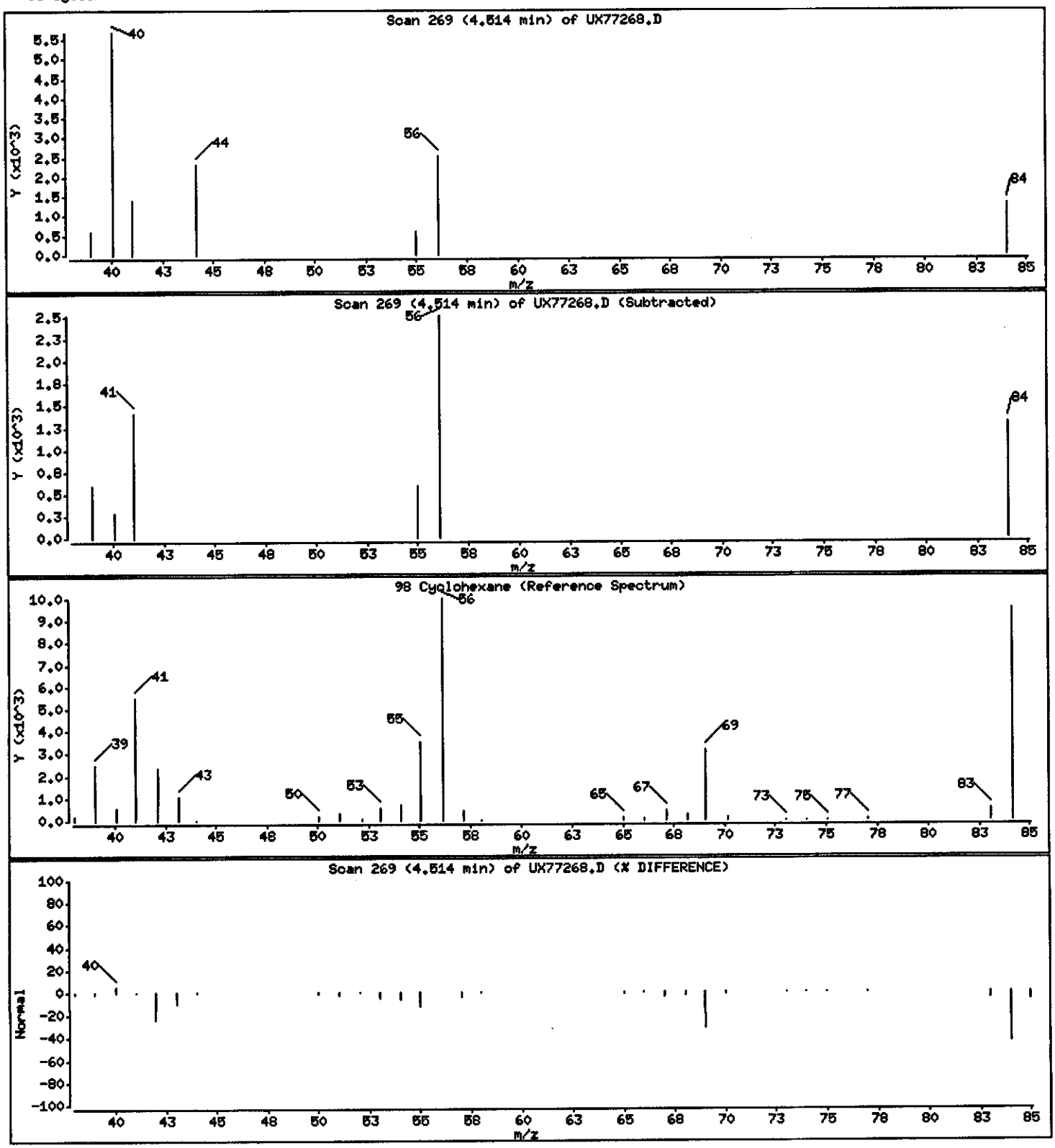
Client ID: MW508B/062804 Instrument: a3ux7.i

Sample Info: GJ7N31AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 20m Column diameter: 0.18

98 Cyclohexane Concentration: 0.1578 ug/L



PAYNE FIRM INC.

Client Sample ID: TRIP BLANK/062804

GC/MS Volatiles

Lot-Sample #...: A4F290191-002 **Work Order #...:** GJ7PF1AA **Matrix.....:** WQ
Date Sampled...: 06/28/04 **Date Received..:** 06/29/04
Prep Date.....: 06/30/04 **Analysis Date..:** 06/30/04
Prep Batch #...: 4183119
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	10	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	200	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/062804

GC/MS Volatiles

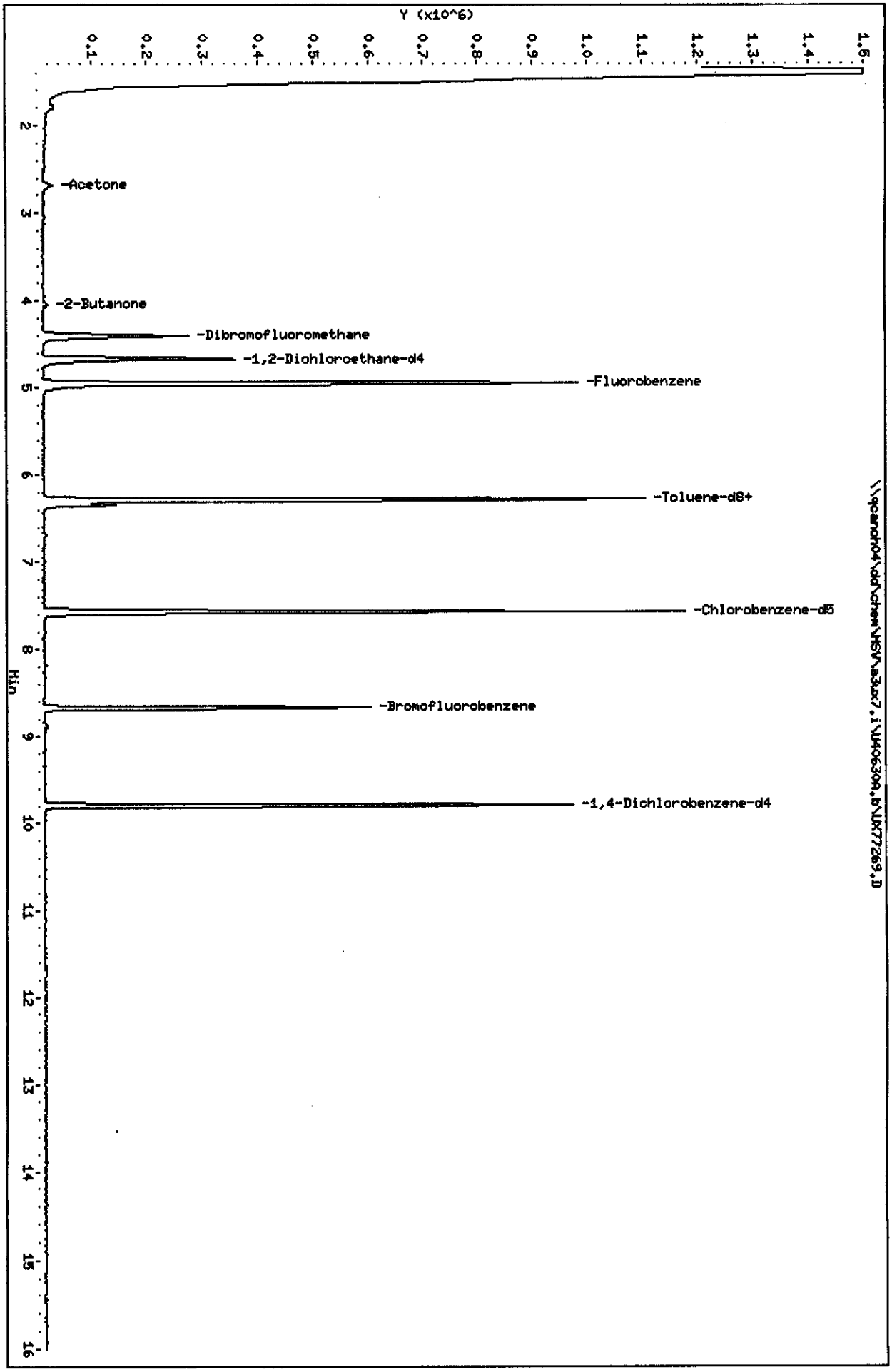
Lot-Sample #...: A4F290191-002 **Work Order #...:** GJ7PF1AA **Matrix.....:** WQ

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	85	(74 - 116)

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U406330A.b\UX77269.D
Date : 30-JUN-2004 12:32
Client ID: TRIP BLANK/062804
Sample Info: CJ7PF1A1,5ML/5ML
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77269.D
Report Date: 01-Jul-2004 09:44

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77269.D
Lab Smp Id: GJ7PF1AA Client Smp ID: TRIP BLANK/062804
Inj Date : 30-JUN-2004 12:32
Operator : 43582 Inst ID: a3ux7.i
Smp Info : GJ7PF1AA,5ML/5ML
Misc Info : U40630A,N8260UX7-3,,43582
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b\N8260UX7-3.m
Meth Date : 01-Jul-2004 09:41 evansl Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.951	4.955	(1.000)	1009838	50.0000	
* 2 Chlorobenzene-d5	117	7.566	7.570	(1.000)	721423	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.794	(1.000)	264070	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.398	(0.888)	225537	49.4924	9.898
$ 5 1,2-Dichloroethane-d4	65	4.679	4.671	(0.945)	338313	53.9139	10.783
$ 6 Toluene-d8	98	6.276	6.280	(0.830)	801611	49.9263	9.985
$ 7 Bromofluorobenzene	95	8.667	8.670	(1.145)	238704	42.6893	8.538
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	2.679	2.683	(0.541)	42065	9.26302	1.853
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77269.D
Report Date: 01-Jul-2004 09:44

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.040	4.020	(0.816)	17542	4.76438	0.9529
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.335	6.339	(0.837)	98008	4.77471	0.9549
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77269.D
Report Date: 01-Jul-2004 09:44

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.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77269.D

Date : 30-JUN-2004 12:32

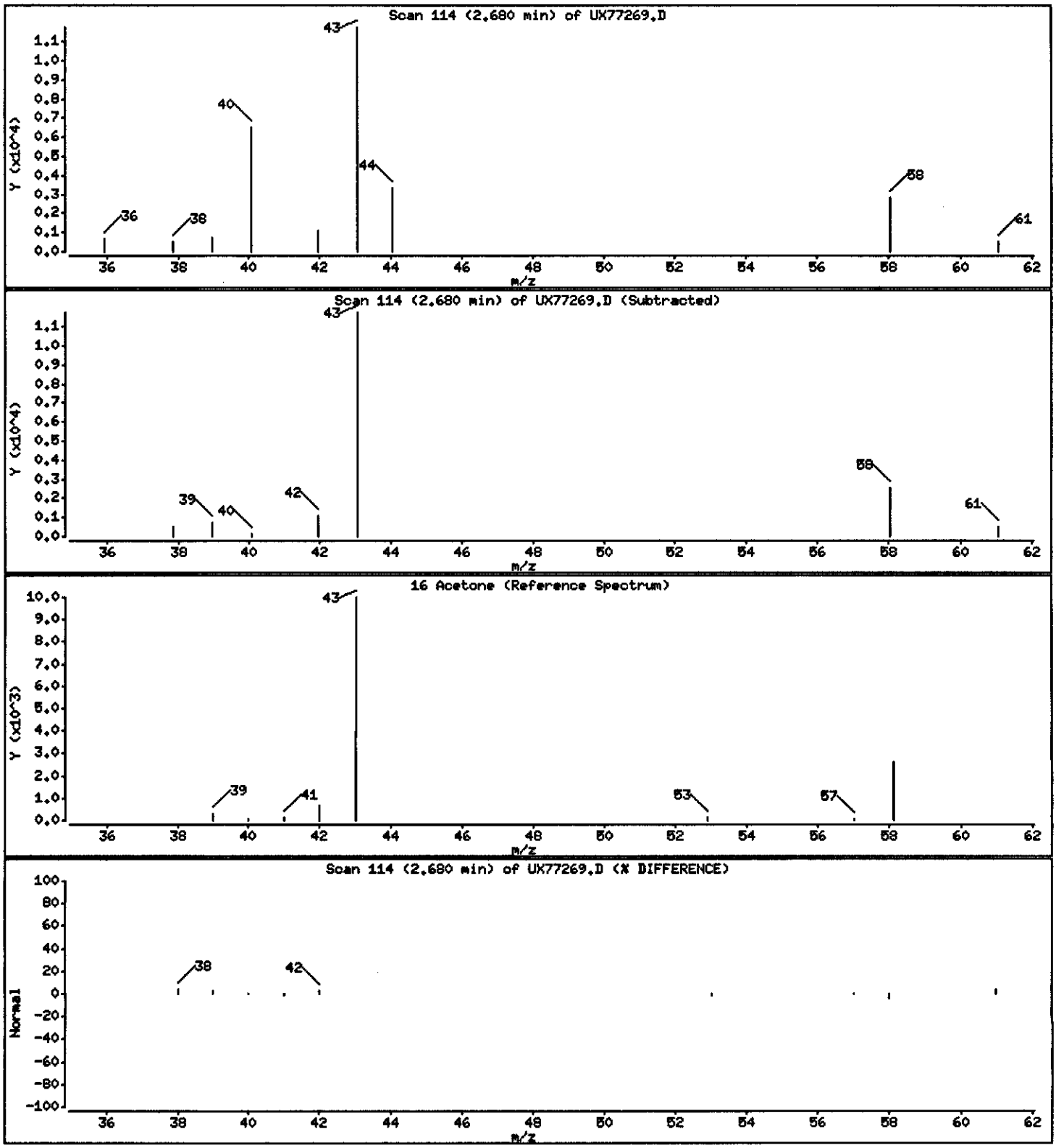
Client ID: TRIP BLANK/062804 Instrument: a3ux7.i

Sample Info: CJ7PF1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 20m Column diameter: 0.18

16 Acetone Concentration: 1.853 ug/L



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Date : 30-JUN-2004 12:32

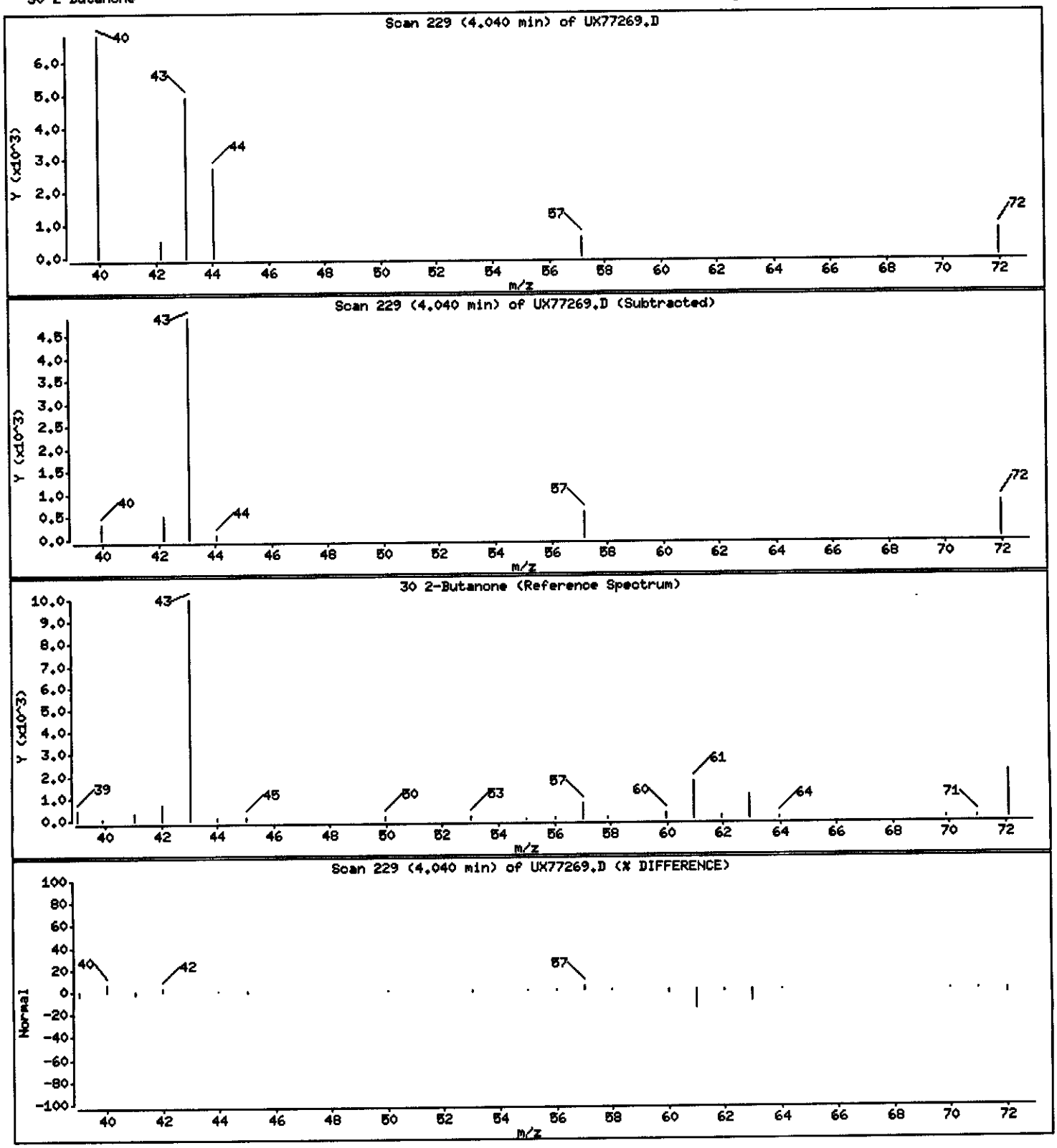
Client ID: TRIP BLANK/062804 Instrument: a3ux7.i

Sample Info: GJ7PF1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 20m Column diameter: 0.18

30 2-Butanone Concentration: 0.9529 ug/L



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Date : 30-JUN-2004 12:32

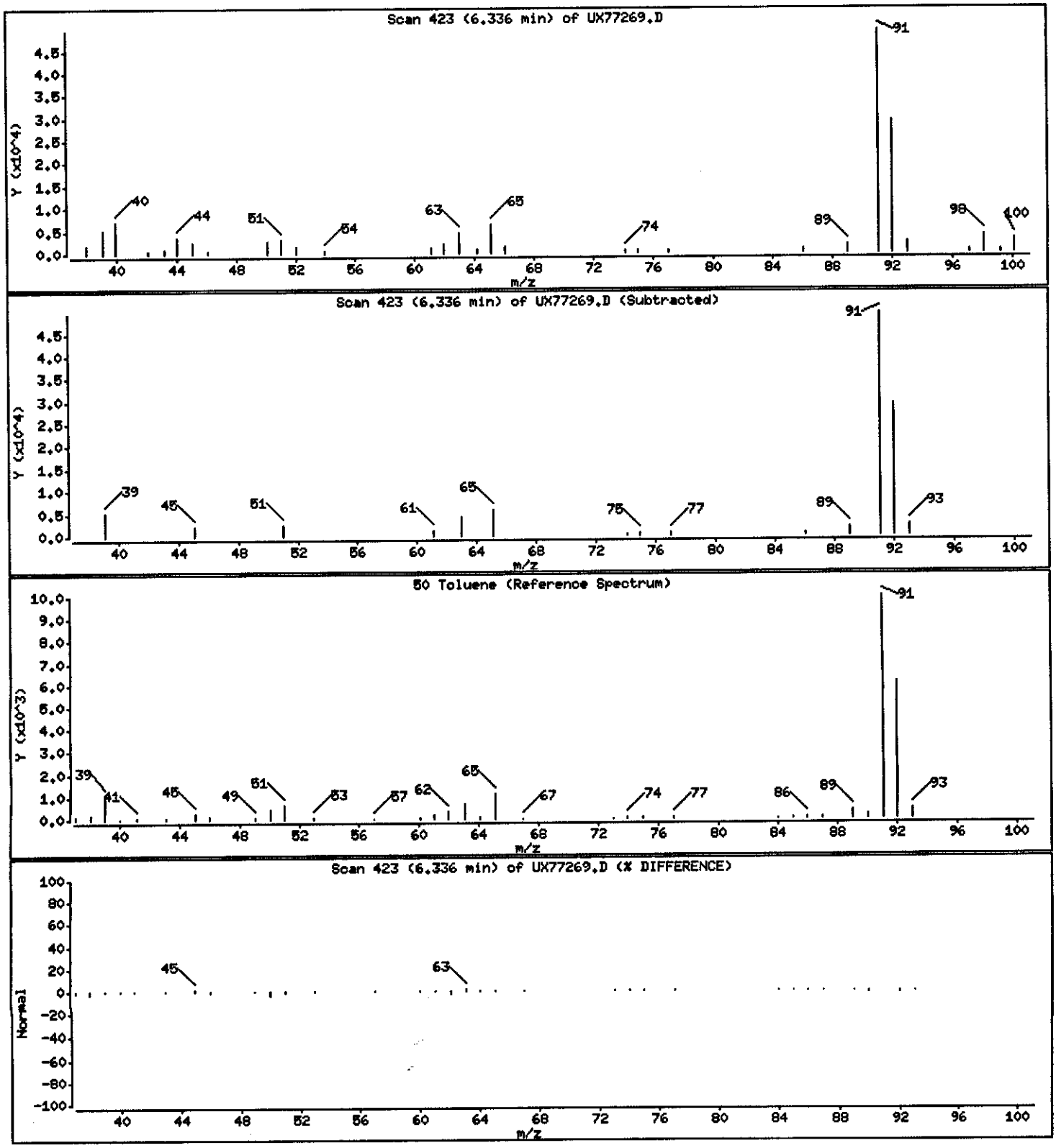
Client ID: TRIP BLANK/062804 Instrument: a3ux7.i

Sample Info: GJ7PF1AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 20m Column diameter: 0.18

50 Toluene Concentration: 0.9549 ug/L



SEVERN TRENT STL

STANDARD DATA

Report Date: 02-Jun-2004 14:53

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Start Cal Date: 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
21-APR-2004 09:38	3-IX	UX74908.D
02-JUN-2004 12:14	1-8260	UX76306.D
Cal Level: 2 , Cal Amount: 10.000		
21-APR-2004 10:02	3-IX	UX74909.D
02-JUN-2004 12:38	1-8260	UX76307.D
Cal Level: 3 , Cal Amount: 25.000		
21-APR-2004 10:26	3-IX	UX74910.D
02-JUN-2004 13:01	1-8260	UX76308.D
Cal Level: 4 , Cal Amount: 50.000		
21-APR-2004 10:50	3-IX	UX74911.D
02-JUN-2004 13:25	1-8260	UX76309.D
Cal Level: 5 , Cal Amount: 100.00		
21-APR-2004 11:13	3-IX	UX74912.D
02-JUN-2004 13:48	1-8260	UX76310.D
Cal Level: 6 , Cal Amount: 200.00		
21-APR-2004 11:55	3-IX	UX74913.D
02-JUN-2004 14:12	1-8260	UX76311.D

Continuing Calibration

02-JUN-2004 13:25	1-8260	UX76309.D

Report Date : 02-Jun-2004 14:53

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 tapsvc
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74908.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74909.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74910.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74911.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74912.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74913.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	0.29598	0.19778	0.24496	0.27837	0.29272	0.28465	0.26574	14.290
9 Chloromethane	0.53770	0.48273	0.45108	0.45618	0.47127	0.44524	0.47403	7.192
10 Vinyl Chloride	0.48539	0.39811	0.38668	0.41079	0.41321	0.40149	0.41595	8.494
11 Bromomethane	0.29174	0.24034	0.21861	0.22004	0.19970	0.17257	0.22383	18.022
12 Chloroethane	0.31541	0.25282	0.24720	0.24438	0.23099	0.20353	0.24906	14.852
13 Trichlorofluoromethane	0.41993	0.30470	0.35790	0.39980	0.39784	0.38619	0.37773	10.896
14 Dichlorofluoromethane	0.48012	0.50777	0.49292	0.43907	0.44129	0.47032	0.47191	5.852
15 Acrolein	0.06009	0.05582	0.05578	0.05430	0.05558	0.05369	0.05588	4.008
16 Acetone	0.22368	0.17828	0.16074	0.15188	0.14754	0.14404	0.16769	17.912
17 1,1-Dichloroethene	0.23455	0.23771	0.23517	0.23068	0.24044	0.23400	0.23542	1.418
18 Freon-113	0.16553	0.17440	0.16303	0.16457	0.17754	0.17403	0.16985	3.632
19 Iodomethane	0.41069	0.39543	0.38623	0.36636	0.37704	0.37519	0.38516	4.150
20 Carbon Disulfide	0.93940	0.89693	0.90094	0.85843	0.88916	0.87854	0.89390	3.021
21 Methylene Chloride	0.60380	0.44646	0.34854	0.31714	0.30289	0.29098	0.38497	31.423
22 Acetonitrile	0.04600	0.04016	0.03959	0.03889	0.03894	0.03821	0.04030	7.130
23 Acrylonitrile	0.12501	0.12044	0.12114	0.11926	0.12204	0.12164	0.12159	1.598
24 Methyl tert-butyl ether	0.80936	0.81958	0.82494	0.81682	0.85022	0.87242	0.83222	2.900
25 trans-1,2-Dichloroethene	0.28558	0.29860	0.28485	0.26934	0.27559	0.27284	0.28113	3.822
26 Hexane	0.03005	0.03646	0.04415	0.04316	0.04833	0.04800	0.04169	17.125
27 Vinyl acetate	0.51403	0.52525	0.53603	0.58493	0.62674	0.65572	0.57378	10.160
28 1,1-Dichloroethane	0.53045	0.52386	0.51198	0.48808	0.49760	0.49337	0.50756	3.400
29 tert-Butyl Alcohol	0.01671	0.01622	0.01787	0.01783	0.01964	0.02028	0.01809	8.813
30 2-Butanone	0.18691	0.18154	0.17625	0.17774	0.18570	0.18568	0.18230	2.480
M 31 1,2-Dichloroethene (total)	0.28570	0.29303	0.28687	0.27368	0.28273	0.27966	0.28361	2.332
32 cis-1,2-dichloroethene	0.28580	0.28747	0.28890	0.27803	0.28987	0.28648	0.28609	1.478

Report Date : 02-Jun-2004 14:53

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 tapsvc
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	33 2,2-Dichloropropane	0.33189	0.31227	0.31605	0.30951	0.32552	0.32887	0.32068	2.902	
	34 Bromochloromethane	0.15841	0.14590	0.14015	0.13371	0.13596	0.13517	0.14155	6.616	
	35 Chloroform	0.51146	0.48757	0.47667	0.46019	0.46223	0.45929	0.47624	4.314	
	36 Tetrahydrofuran	0.07045	0.07014	0.07799	0.07395	0.08196	0.08122	0.07595	6.868	
	37 1,1,1-Trichloroethane	0.39837	0.39696	0.39145	0.37250	0.38864	0.38985	0.38963	2.374	
	38 1,1-Dichloropropene	0.33656	0.33474	0.34354	0.34859	0.36457	0.36425	0.34871	3.767	
	39 Carbon Tetrachloride	0.31766	0.30890	0.32340	0.31183	0.32938	0.32630	0.31958	2.555	
	40 1,2-Dichloroethane	0.39478	0.39576	0.39493	0.36630	0.37076	0.36641	0.38149	3.948	
	41 Benzene	1.23432	1.17945	1.19060	1.13882	1.17781	1.17466	1.18261	2.607	
	42 Trichloroethene	0.28872	0.28622	0.27934	0.26775	0.27661	0.27584	0.27908	2.724	
	43 1,2-Dichloropropane	0.31766	0.29768	0.28503	0.27978	0.28712	0.29108	0.29306	4.595	
	44 1,4-Dioxane	0.00200	0.00218	0.00229	0.00239	0.00259	0.00265	0.00235	10.556	<-
	45 Dibromomethane	0.17135	0.16764	0.15679	0.15156	0.15450	0.15257	0.15907	5.251	
	46 Bromodichloromethane	0.37269	0.36867	0.36499	0.35124	0.35802	0.35779	0.36223	2.197	
	47 2-Chloroethyl vinyl ether	0.13686	0.14111	0.15961	0.16942	0.18668	0.19380	0.16458	14.144	
	48 cis-1,3-Dichloropropene	0.40439	0.41899	0.41951	0.41900	0.43972	0.45121	0.42547	3.974	
	49 4-Methyl-2-pentanone	0.24825	0.23863	0.26398	0.28332	0.30015	0.30813	0.27374	10.268	
	50 Toluene	1.32924	1.38969	1.46998	1.43028	1.47358	1.44307	1.42264	3.866	
	51 trans-1,3-Dichloropropene	0.42264	0.45013	0.45604	0.45401	0.47786	0.48608	0.45779	4.898	
	52 Ethyl Methacrylate	0.33058	0.36266	0.40661	0.42693	0.47632	0.48076	0.41398	14.557	
	53 1,1,2-Trichloroethane	0.32631	0.31989	0.31427	0.29814	0.29888	0.29025	0.30795	4.618	
	54 1,3-Dichloropropane	0.55737	0.55602	0.56215	0.53760	0.55319	0.53920	0.55092	1.840	
	55 Tetrachloroethene	0.25820	0.24951	0.24663	0.24071	0.24403	0.23892	0.24633	2.829	
	56 2-Hexanone	0.24640	0.24062	0.28473	0.30157	0.31494	0.31939	0.28461	11.979	
	57 Dibromochloromethane	0.31496	0.32496	0.32346	0.30987	0.32225	0.31042	0.31765	2.127	
	58 1,2-Dibromoethane	0.30144	0.29008	0.29698	0.29096	0.29551	0.29136	0.29439	1.497	
	59 Chlorobenzene	0.91778	0.91121	0.89349	0.86173	0.88610	0.86997	0.89005	2.487	
	60 1,1,1,2-Tetrachloroethane	0.30615	0.33018	0.33114	0.31117	0.31970	0.31137	0.31828	3.308	
	61 Ethylbenzene	0.39692	0.41906	0.44111	0.44198	0.46130	0.46256	0.43716	5.799	
	62 m + p-Xylene	0.48525	0.50644	0.56643	0.56172	0.58912	0.57504	0.54733	7.582	
M	63 Xylenes (total)	0.46759	0.50391	0.55492	0.55648	0.58243	0.56901	0.53906	8.161	
	64 Xylene-o	0.43225	0.49884	0.53190	0.54601	0.56905	0.55694	0.52250	9.645	
	65 Styrene	0.73983	0.87078	0.96373	0.99181	1.04078	1.03123	0.93969	12.281	

Report Date : 02-Jun-2004 14:53

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 tapsvc
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
66 Bromoform	0.19649	0.21527	0.21863	0.20935	0.21518	0.21592	0.21181	3.821	
67 Isopropylbenzene	0.89493	0.95932	1.07157	1.10729	1.20566	1.22819	1.07783	12.263	
68 1,1,2,2-Tetrachloroethane	0.86569	0.81957	0.79202	0.78867	0.77671	0.78146	0.80402	4.192	
69 1,4-Dichloro-2-butene	0.17818	0.21467	0.20227	0.20908	0.23255	0.23625	0.21217	10.030	
70 1,2,3-Trichloropropane	0.25818	0.26983	0.26657	0.25232	0.24922	0.25176	0.25798	3.296	
71 Bromobenzene	0.71849	0.74826	0.69595	0.70701	0.72542	0.72083	0.71933	2.467	
72 n-Propylbenzene	0.47201	0.53353	0.57637	0.60724	0.64401	0.65829	0.58191	12.098	
73 2-Chlorotoluene	0.50640	0.58721	0.58682	0.58834	0.60365	0.61198	0.58074	6.518	
74 1,3,5-Trimethylbenzene	1.49010	1.63393	1.82456	1.92415	2.01084	2.07640	1.82667	12.393	
75 4-Chlorotoluene	0.55398	0.59778	0.63128	0.62800	0.62651	0.64096	0.61309	5.279	
76 tert-Butylbenzene	1.14876	1.24793	1.37471	1.44679	1.60061	1.66293	1.41362	14.054	
77 1,2,4-Trimethylbenzene	1.52472	1.72146	1.93485	2.02621	2.10824	2.16168	1.91286	12.820	
78 sec-Butylbenzene	1.71321	1.84627	1.99092	2.10440	2.28150	2.37669	2.05217	12.360	
79 4-Isopropyltoluene	1.35186	1.47761	1.66869	1.76873	1.87448	1.97969	1.68684	14.128	
80 1,3-Dichlorobenzene	1.19910	1.26326	1.19624	1.19032	1.19242	1.21659	1.20965	2.304	
81 1,4-Dichlorobenzene	1.30668	1.36193	1.25898	1.25961	1.25832	1.26496	1.28508	3.269	
82 n-Butylbenzene	1.24614	1.31237	1.40955	1.50126	1.64064	1.72696	1.47282	12.691	
83 1,2-Dichlorobenzene	1.22249	1.21495	1.24076	1.20907	1.21318	1.21531	1.21929	0.933	
84 1,2-Dibromo-3-chloropropane	0.14777	0.15195	0.15208	0.14465	0.15802	0.16363	0.15302	4.501	
85 1,2,4-Trichlorobenzene	0.50679	0.56561	0.57156	0.62206	0.66172	0.71147	0.60653	12.148	
86 Hexachlorobutadiene	0.34091	0.31245	0.30387	0.30953	0.32351	0.33268	0.32049	4.491	
87 Naphthalene	1.03428	1.08255	1.34610	1.63529	1.94589	2.14647	1.53176	29.829	
88 1,2,3-Trichlorobenzene	0.48001	0.50016	0.57595	0.59804	0.64359	0.66895	0.57778	13.099	
89 Ethyl Ether	0.25714	0.24726	0.24745	0.22663	0.22945	0.22850	0.23941	5.356	
90 Ethanol	*****	*****	*****	*****	*****	*****	*****	*****	<-
91 3-Chloropropene	0.14700	0.14300	0.13735	0.12341	0.12749	0.13547	0.13562	6.614	
92 Isopropyl Ether	0.25082	0.24256	0.23798	0.22338	0.22392	0.23110	0.23496	4.621	
93 2-Chloro-1,3-butadiene	0.48219	0.47249	0.47505	0.42659	0.42726	0.45455	0.45636	5.379	
94 Propionitrile	0.03954	0.04256	0.04022	0.04111	0.04142	0.04145	0.04105	2.564	
95 Ethyl Acetate	0.28130	0.27456	0.27078	0.26254	0.27902	0.28993	0.27636	3.398	
96 Methacrylonitrile	0.21219	0.20211	0.19249	0.19387	0.19484	0.20244	0.19966	3.741	
97 Isobutanol	0.00666	0.00728	0.00764	0.00827	0.00914	0.01021	0.00820	15.857	<-
98 Cyclohexane	0.35580	0.33414	0.35648	0.38024	0.42095	0.43496	0.38043	10.474	

Report Date : 02-Jun-2004 14:53

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 tapsvc
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
99 n-Butanol	0.00309	0.00300	0.00403	0.00459	0.00526	0.00613	0.00435	28.273	<-
100 Methyl Methacrylate	0.22836	0.24184	0.24368	0.23215	0.25893	0.27191	0.24614	6.711	
101 2-Nitropropane	0.08590	0.07707	0.07857	0.07350	0.07651	0.08052	0.07868	5.383	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	0.01623	0.01660	0.01710	0.01760	0.02137	0.02186	0.01846	13.496	
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	0.67396	0.69200	0.65052	0.70373	0.73513	0.75796	0.70222	5.613	
143 Methyl Acetate	0.22729	0.22534	0.21931	0.20758	0.21482	0.21547	0.21830	3.344	
144 Methylcyclohexane	0.25730	0.24656	0.27346	0.28793	0.32914	0.33640	0.28847	12.882	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	0.02545	0.01550	0.04300	0.22659	0.54044	0.77559	0.27110	117.432	<-
$ 4 Dibromofluoromethane	0.19986	0.21928	0.23604	0.22954	0.23582	0.23324	0.22563	6.235	
$ 5 1,2-Dichloroethane-d4	0.28354	0.30609	0.33017	0.31067	0.31743	0.31628	0.31070	5.016	
$ 6 Toluene-d8	0.86218	1.02163	1.17834	1.18786	1.21348	1.21326	1.11279	12.790	
$ 7 Bromofluorobenzene	0.32188	0.34208	0.40706	0.40310	0.42464	0.42650	0.38754	11.479	

Report Date : 02-Jun-2004 14:57

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 tapsvc

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74908.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74909.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74910.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74911.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74912.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74913.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	0.29598	0.19778	0.24496	0.27837	0.29272	0.28465	AVRG		0.26574		14.29028
9 Chloromethane	0.53770	0.48273	0.45108	0.45618	0.47127	0.44524	AVRG		0.47403		7.19246
10 Vinyl Chloride	0.48539	0.39811	0.38668	0.41079	0.41321	0.40149	AVRG		0.41595		8.49359
11 Bromomethane	33000	54412	124888	252765	465196	829921	QUAD	0.00206	3.98174	2.61589	0.99986
12 Chloroethane	0.31541	0.25282	0.24720	0.24438	0.23099	0.20353	AVRG		0.24906		14.85246
13 Trichlorofluoromethane	0.41993	0.30470	0.35790	0.39980	0.39784	0.38619	AVRG		0.37773		10.89614
14 Dichlorofluoromethane	0.48012	0.50777	0.49292	0.43907	0.44129	0.47032	AVRG		0.47191		5.85215
15 Acrolein	0.06009	0.05582	0.05578	0.05430	0.05558	0.05369	AVRG		0.05588		4.00808
16 Acetone	50603	80726	183664	348927	687392	1385427	QUAD	-0.10096	6.86513	0.14315	1.00000

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 tapsvc

	Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	17 1,1-Dichloroethene	0.23455	0.23771	0.23517	0.23068	0.24044	0.23400	AVRG		0.23542		1.41808
	18 Freon-113	0.16553	0.17440	0.16303	0.16457	0.17754	0.17403	AVRG		0.16985		3.63249
	19 Iodomethane	0.41069	0.39543	0.38623	0.36636	0.37704	0.37519	AVRG		0.38516		4.14953
	20 Carbon Disulfide	0.93940	0.89693	0.90094	0.85843	0.88916	0.87854	AVRG		0.89390		3.02076
	21 Methylene Chloride	68297	101077	199121	364306	705589	1399377	QUAD	-0.10517	3.43993	0.07404	0.99999
	22 Acetonitrile	0.04600	0.04016	0.03959	0.03889	0.03894	0.03821	AVRG		0.04030		7.12961
	23 Acrylonitrile	0.12501	0.12044	0.12114	0.11926	0.12204	0.12164	AVRG		0.12159		1.59836
	24 Methyl tert-butyl ether	0.80936	0.81958	0.82494	0.81682	0.85022	0.87242	AVRG		0.83222		2.90012
	25 trans-1,2-Dichloroethene	0.28558	0.29860	0.28485	0.26934	0.27559	0.27284	AVRG		0.28113		3.82180
	26 Hexane	3399	8255	25224	49582	112582	230820	QUAD	0.05539	20.48863	0.12713	0.99952
	27 Vinyl acetate	0.51403	0.52525	0.53603	0.58493	0.62674	0.65572	AVRG		0.57378		10.16048
	28 1,1-Dichloroethane	0.53045	0.52386	0.51198	0.48808	0.49760	0.49337	AVRG		0.50756		3.40044
	29 tert-Butyl Alcohol	0.01671	0.01622	0.01787	0.01783	0.01964	0.02028	AVRG		0.01809		8.81323
	30 2-Butanone	0.18691	0.18154	0.17625	0.17774	0.18570	0.18568	AVRG		0.18230		2.48027
M	31 1,2-Dichloroethene (total)	0.28570	0.29303	0.28687	0.27368	0.28273	0.27966	AVRG		0.28361		2.33202
	32 cis-1,2-dichloroethene	0.28580	0.28747	0.28890	0.27803	0.28987	0.28648	AVRG		0.28609		1.47769
	33 2,2-Dichloropropane	0.33189	0.31227	0.31605	0.30951	0.32552	0.32887	AVRG		0.32068		2.90244

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 tapsvc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
34 Bromochloromethane	0.15841	0.14590	0.14015	0.13371	0.13596	0.13517	AVRG		0.14155		6.61558	
35 Chloroform	0.51146	0.48757	0.47667	0.46019	0.46223	0.45929	AVRG		0.47624		4.31379	
36 Tetrahydrofuran	0.07045	0.07014	0.07799	0.07395	0.08196	0.08122	AVRG		0.07595		6.86799	
37 1,1,1-Trichloroethane	0.39837	0.39696	0.39145	0.37250	0.38864	0.38985	AVRG		0.38963		2.37446	
38 1,1-Dichloropropene	0.33656	0.33474	0.34354	0.34859	0.36457	0.36425	AVRG		0.34871		3.76655	
39 Carbon Tetrachloride	0.31766	0.30890	0.32340	0.31183	0.32938	0.32630	AVRG		0.31958		2.55542	
40 1,2-Dichloroethane	0.39478	0.39576	0.39493	0.36630	0.37076	0.36641	AVRG		0.38149		3.94783	
41 Benzene	1.23432	1.17945	1.19060	1.13882	1.17781	1.17466	AVRG		1.18261		2.60680	
42 Trichloroethene	0.28872	0.28622	0.27934	0.26775	0.27661	0.27584	AVRG		0.27908		2.72366	
43 1,2-Dichloropropane	0.31766	0.29768	0.28503	0.27978	0.28712	0.29108	AVRG		0.29306		4.59459	
44 1,4-Dioxane	0.00200	0.00218	0.00229	0.00239	0.00259	0.00265	AVRG		0.00235		10.55633	<-
45 Dibromomethane	0.17135	0.16764	0.15679	0.15156	0.15450	0.15257	AVRG		0.15907		5.25148	
46 Bromodichloromethane	0.37269	0.36867	0.36499	0.35124	0.35802	0.35779	AVRG		0.36223		2.19694	
47 2-Chloroethyl vinyl ether	0.13686	0.14111	0.15961	0.16942	0.18668	0.19380	AVRG		0.16458		14.14353	
48 cis-1,3-Dichloropropene	0.40439	0.41899	0.41951	0.41900	0.43972	0.45121	AVRG		0.42547		3.97424	
49 4-Methyl-2-pentanone	0.24825	0.23863	0.26398	0.28332	0.30015	0.30813	AVRG		0.27374		10.26805	
50 Toluene	1.32924	1.38969	1.46998	1.43028	1.47358	1.44307	AVRG		1.42264		3.86569	

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 tapsvc

	Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	51 trans-1,3-Dichloropropene	0.42264	0.45013	0.45604	0.45401	0.47786	0.48608	AVRG		0.45779		4.89820
	52 Ethyl Methacrylate	0.33058	0.36266	0.40661	0.42693	0.47632	0.48076	AVRG		0.41398		14.55657
	53 1,1,2-Trichloroethane	0.32631	0.31989	0.31427	0.29814	0.29888	0.29025	AVRG		0.30795		4.61833
	54 1,3-Dichloropropane	0.55737	0.55602	0.56215	0.53760	0.55319	0.53920	AVRG		0.55092		1.83968
	55 Tetrachloroethene	0.25820	0.24951	0.24663	0.24071	0.24403	0.23892	AVRG		0.24633		2.82946
	56 2-Hexanone	0.24640	0.24062	0.28473	0.30157	0.31494	0.31939	AVRG		0.28461		11.97919
	57 Dibromochloromethane	0.31496	0.32496	0.32346	0.30987	0.32225	0.31042	AVRG		0.31765		2.12703
	58 1,2-Dibromoethane	0.30144	0.29008	0.29698	0.29096	0.29551	0.29136	AVRG		0.29439		1.49709
	59 Chlorobenzene	0.91778	0.91121	0.89349	0.86173	0.88610	0.86997	AVRG		0.89005		2.48673
	60 1,1,1,2-Tetrachloroethane	0.30615	0.33018	0.33114	0.31117	0.31970	0.31137	AVRG		0.31828		3.30835
	61 Ethylbenzene	0.39692	0.41906	0.44111	0.44198	0.46130	0.46256	AVRG		0.43716		5.79928
	62 m + p-Xylene	0.48525	0.50644	0.56643	0.56172	0.58912	0.57504	AVRG		0.54733		7.58227
M	63 Xylenes (total)	0.46759	0.50391	0.55492	0.55648	0.58243	0.56901	AVRG		0.53906		8.16121
	64 Xylene-o	0.43225	0.49884	0.53190	0.54601	0.56905	0.55694	AVRG		0.52250		9.64525
	65 Styrene	0.73983	0.87078	0.96373	0.99181	1.04078	1.03123	AVRG		0.93969		12.28074
	66 Bromoform	0.19649	0.21527	0.21863	0.20935	0.21518	0.21592	AVRG		0.21181		3.82103
	67 Isopropylbenzene	0.89493	0.95932	1.07157	1.10729	1.20566	1.22819	AVRG		1.07783		12.26319

Report Date : 02-Jun-2004 14:57

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 tapsvc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
68 1,1,2,2-Tetrachloroethane	0.86569	0.81957	0.79202	0.78867	0.77671	0.78146	AVRG		0.80402		4.19189
69 1,4-Dichloro-2-butene	0.17818	0.21467	0.20227	0.20908	0.23255	0.23625	AVRG		0.21217		10.02977
70 1,2,3-Trichloropropane	0.25818	0.26983	0.26657	0.25232	0.24922	0.25176	AVRG		0.25798		3.29642
71 Bromobenzene	0.71849	0.74826	0.69595	0.70701	0.72542	0.72083	AVRG		0.71933		2.46744
72 n-Propylbenzene	0.47201	0.53353	0.57637	0.60724	0.64401	0.65829	AVRG		0.58191		12.09819
73 2-Chlorotoluene	0.50640	0.58721	0.58682	0.58834	0.60365	0.61198	AVRG		0.58074		6.51773
74 1,3,5-Trimethylbenzene	1.49010	1.63393	1.82456	1.92415	2.01084	2.07640	AVRG		1.82667		12.39258
75 4-Chlorotoluene	0.55398	0.59778	0.63128	0.62800	0.62651	0.64096	AVRG		0.61309		5.27942
76 tert-Butylbenzene	1.14876	1.24793	1.37471	1.44679	1.60061	1.66293	AVRG		1.41362		14.05364
77 1,2,4-Trimethylbenzene	1.52472	1.72146	1.93485	2.02621	2.10824	2.16168	AVRG		1.91286		12.82036
78 sec-Butylbenzene	1.71321	1.84627	1.99092	2.10440	2.28150	2.37669	AVRG		2.05217		12.35976
79 4-Isopropyltoluene	1.35186	1.47761	1.66869	1.76873	1.87448	1.97969	AVRG		1.68684		14.12847
80 1,3-Dichlorobenzene	1.19910	1.26326	1.19624	1.19032	1.19242	1.21659	AVRG		1.20965		2.30393
81 1,4-Dichlorobenzene	1.30668	1.36193	1.25898	1.25961	1.25832	1.26496	AVRG		1.28508		3.26884
82 n-Butylbenzene	1.24614	1.31237	1.40955	1.50126	1.64064	1.72696	AVRG		1.47282		12.69123
83 1,2-Dichlorobenzene	1.22249	1.21495	1.24076	1.20907	1.21318	1.21531	AVRG		1.21929		0.93325
84 1,2-Dibromo-3-chloropropane	0.14777	0.15195	0.15208	0.14465	0.15802	0.16363	AVRG		0.15302		4.50065

Report Date : 02-Jun-2004 14:57

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 tapsvc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
85 1,2,4-Trichlorobenzene	0.50679	0.56561	0.57156	0.62206	0.66172	0.71147	AVRG		0.60653		12.14786	
86 Hexachlorobutadiene	0.34091	0.31245	0.30387	0.30953	0.32351	0.33268	AVRG		0.32049		4.49069	
87 Naphthalene	46042	98335	318161	768122	1887398	4246710	QUAD	0.09533	0.53829	-0.00981	0.99917	
88 1,2,3-Trichlorobenzene	0.48001	0.50016	0.57595	0.59804	0.64359	0.66895	AVRG		0.57778		13.09916	
89 Ethyl Ether	0.25714	0.24726	0.24745	0.22663	0.22945	0.22850	AVRG		0.23941		5.35617	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.14700	0.14300	0.13735	0.12341	0.12749	0.13547	AVRG		0.13562		6.61442	
92 Isopropyl Ether	0.25082	0.24256	0.23798	0.22338	0.22392	0.23110	AVRG		0.23496		4.62052	
93 2-Chloro-1,3-butadiene	0.48219	0.47249	0.47505	0.42659	0.42726	0.45455	AVRG		0.45636		5.37917	
94 Propionitrile	0.03954	0.04256	0.04022	0.04111	0.04142	0.04145	AVRG		0.04105		2.56352	
95 Ethyl Acetate	0.28130	0.27456	0.27078	0.26254	0.27902	0.28993	AVRG		0.27636		3.39785	
96 Methacrylonitrile	0.21219	0.20211	0.19249	0.19387	0.19484	0.20244	AVRG		0.19966		3.74067	
97 Isobutanol	9534	20458	53145	115229	258038	572710	QUAD	0.77634	118	-25.35024	0.99985	<-
98 Cyclohexane	0.35580	0.33414	0.35648	0.38024	0.42095	0.43496	AVRG		0.38043		10.47388	
99 n-Butanol	4415	8430	28048	63925	148458	343575	QUAD	1.45550	204	-90.32473	0.99972	<-
100 Methyl Methacrylate	0.22836	0.24184	0.24368	0.23215	0.25893	0.27191	AVRG		0.24614		6.71105	
101 2-Nitropropane	0.08590	0.07707	0.07857	0.07350	0.07651	0.08052	AVRG		0.07868		5.38276	

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 tapsvc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
102 Chloropicrin	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	0.01623	0.01660	0.01710	0.01760	0.02137	0.02186	AVRG		0.01846		13.49623	
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	0.67396	0.69200	0.65052	0.70373	0.73513	0.75796	AVRG		0.70222		5.61334	
143 Methyl Acetate	0.22729	0.22534	0.21931	0.20758	0.21482	0.21547	AVRG		0.21830		3.34409	
144 Methylcyclohexane	0.25730	0.24656	0.27346	0.28793	0.32914	0.33640	AVRG		0.28847		12.88243	
145 Dimethoxymethane	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	++++++	++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000	

Report Date : 02-Jun-2004 14:57

STL North Canton

INITIAL CALIBRATION DATA

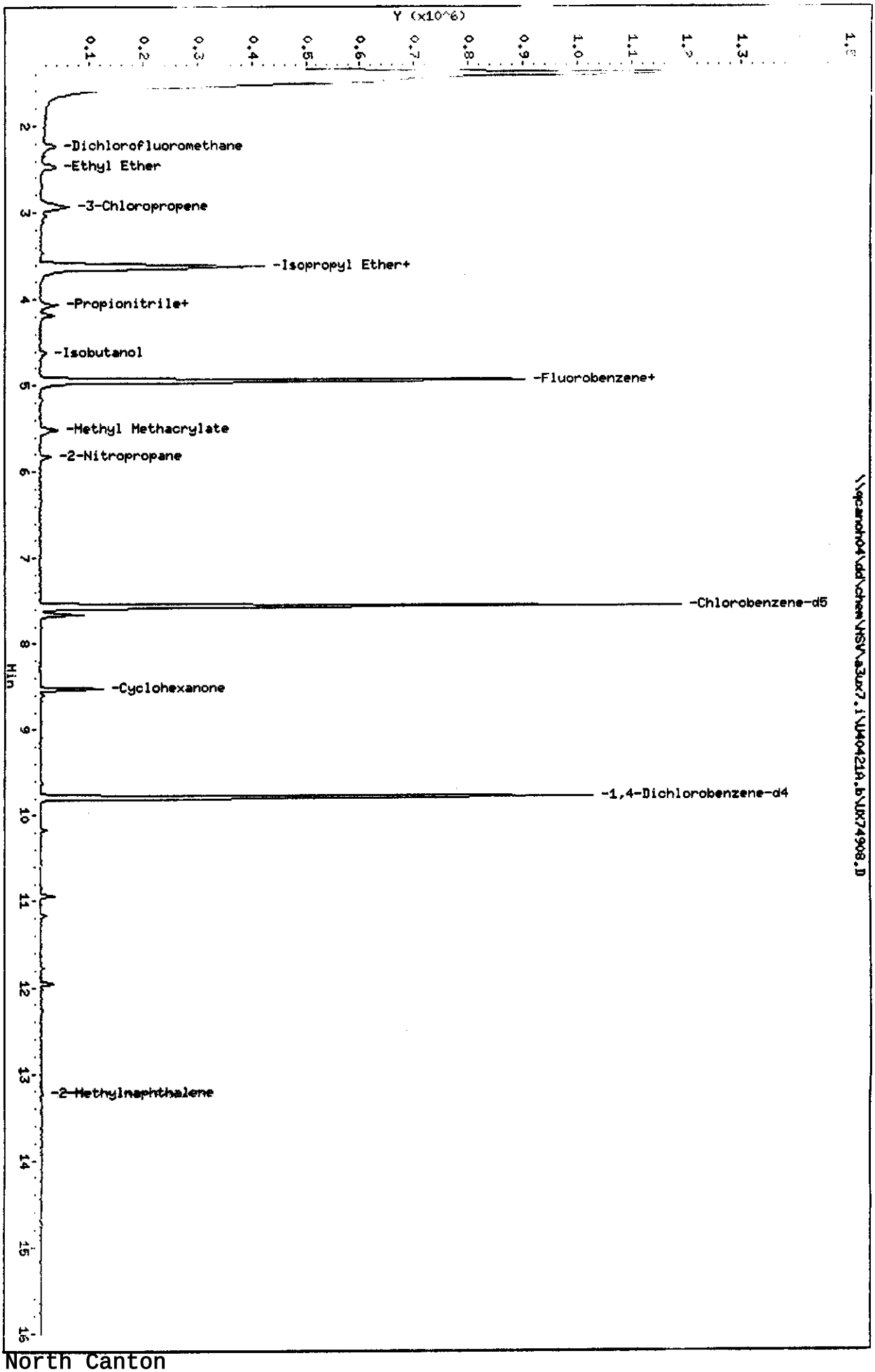
Start Cal Date : 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Quant Method : ISTD
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Cal Date : 02-Jun-2004 14:41 tapsvc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 4 Dibromofluoromethane	0.19986	0.21928	0.23604	0.22954	0.23582	0.23324	AVRG		0.22563		6.23499
$ 5 1,2-Dichloroethane-d4	0.28354	0.30609	0.33017	0.31067	0.31743	0.31628	AVRG		0.31070		5.01586
$ 6 Toluene-d8	0.86218	1.02163	1.17834	1.18786	1.21348	1.21326	AVRG		1.11279		12.78995
$ 7 Bromofluorobenzene	0.32188	0.34208	0.40706	0.40310	0.42464	0.42650	AVRG		0.38754		11.47937

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U404210.b\UX74908.D
Date : 21-APR-2004 09:38
Client ID:
Sample Info: 5NCA9CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



\\qcanoh04\dd\chem\HSV\a3ux7.i\U404210.b\UX74908.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74908.D
Report Date: 22-Apr-2004 11:24

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74908.D
Lab Smp Id: 5NGA9CAL
Inj Date : 21-APR-2004 09:38
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 5NGA9CAL
Misc Info : U40421A,N8260UX7-3,3-IX.SUB,1754,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\N8260UX7-3.m
Meth Date : 22-Apr-2004 11:24 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

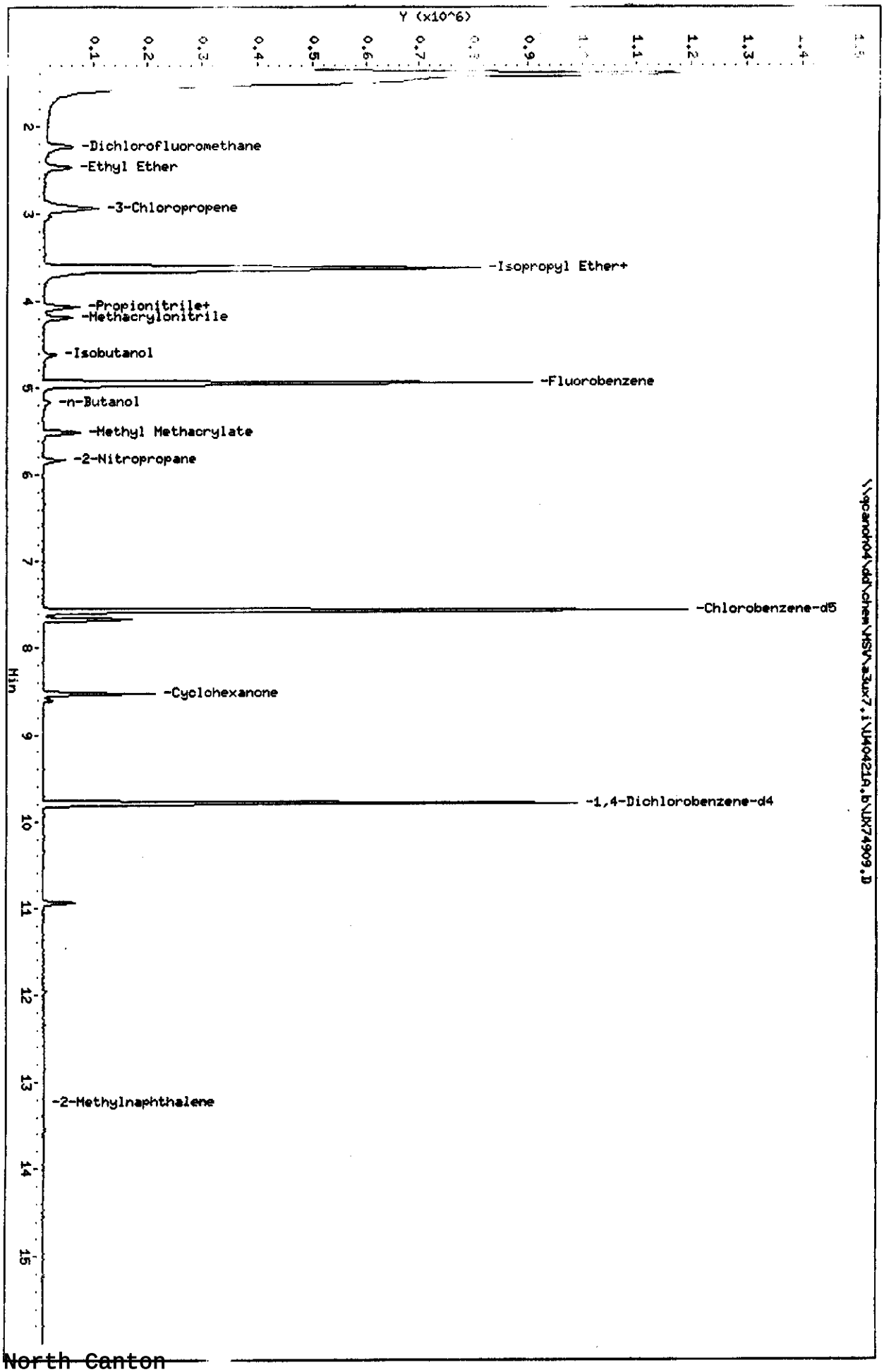
Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	995421	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	715380	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	302103	50.0000	
14 Dichlorofluoromethane	67	2.231	2.231	(0.451)	47792	5.00000	5.087
89 Ethyl Ether	59	2.467	2.467	(0.498)	25596	5.00000	5.370
91 3-Chloropropene	76	2.941	2.941	(0.594)	14633	5.00000	5.420
92 Isopropyl Ether	87	3.627	3.627	(0.732)	124836	25.0000	26.688
93 2-Chloro-1,3-butadiene	53	3.651	3.651	(0.737)	47998	5.00000	5.283
94 Propionitrile	54	4.065	4.065	(0.821)	7072	10.0000	9.632
95 Ethyl Acetate	43	4.065	4.065	(0.821)	56003	10.0000	10.179
96 Methacrylonitrile	41	4.183	4.183	(0.845)	21122	5.00000	5.314
97 Isobutanol	41	4.609	4.609	(0.609)	9534	100.000	116.97
99 n-Butanol	56	5.177	5.177	(0.684)	4415	100.000	135.68
100 Methyl Methacrylate	41	5.509	5.509	(1.112)	22731	5.00000	4.639
101 2-Nitropropane	41	5.828	5.828	(1.177)	17101	10.0000	10.918
103 Cyclohexanone	55	8.597	8.597	(0.878)	4903	50.0000	43.963
146 2-Methylnaphthalene	142	13.224	13.224	(1.350)	1538	10.0000	31.976

Data File: \\qcanon04\dd\chem\HSV\a3ux7.i\U40421A.b\UX74909.D
Date : 21-APR-2004 10:02
Client ID:
Sample Info: 10NCA9CAL
Injection Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74909.D
Report Date: 22-Apr-2004 11:25

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74909.D
Lab Smp Id: 10NGA9CAL
Inj Date : 21-APR-2004 10:02
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 10NGA9CAL
Misc Info : U40421A,N8260UX7-3,3-IX.SUB,1754,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\N8260UX7-3.m
Meth Date : 22-Apr-2004 11:25 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.943	4.943	(1.000)	995175	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.570	(1.000)	702305	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.795	(1.000)	305216	50.0000	
14 Dichlorofluoromethane	67	2.233	2.233	(0.452)	101064	10.0000	10.760
89 Ethyl Ether	59	2.470	2.470	(0.500)	49214	10.0000	10.328
91 3-Chloropropene	76	2.943	2.943	(0.595)	28463	10.0000	10.544
92 Isopropyl Ether	87	3.618	3.618	(0.732)	241385	50.0000	51.616
93 2-Chloro-1,3-butadiene	53	3.653	3.653	(0.739)	94043	10.0000	10.354
94 Propionitrile	54	4.067	4.067	(0.823)	16940	20.0000	20.733
95 Ethyl Acetate	43	4.067	4.067	(0.823)	109294	20.0000	19.870
96 Methacrylonitrile	41	4.186	4.186	(0.847)	40226	10.0000	10.123
97 Isobutanol	41	4.612	4.612	(0.609)	20458	200.000	209.05(A)
99 n-Butanol	56	5.168	5.168	(0.683)	8430	200.000	194.80
100 Methyl Methacrylate	41	5.511	5.511	(1.115)	48135	10.0000	9.825
101 2-Nitropropane	41	5.831	5.831	(1.180)	30679	20.0000	19.591
103 Cyclohexanone	55	8.599	8.599	(0.878)	10134	100.000	89.941
146 2-Methylnaphthalene	142	13.226	13.226	(1.350)	1892	20.0000	32.080

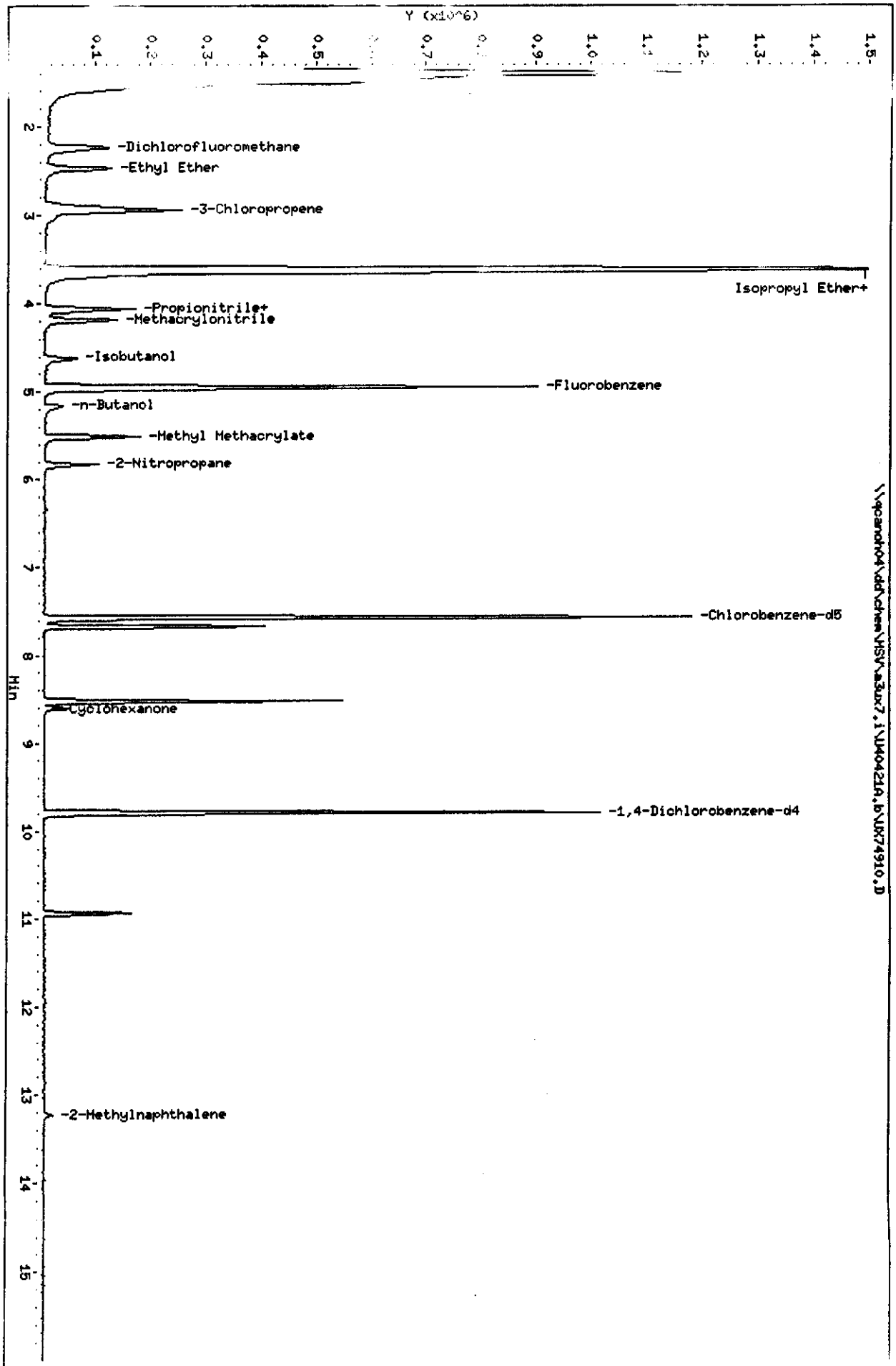
Data File: \\qca[illegible]04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74909.D
Report Date: 22-A[illegible]r-2004 11:25

QC Flag Legend

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

Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\U40421A.b\UX74910.D
Date : 21-APR-2004 10:26
Client ID:
Sample Info: 25NG09CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74910.D
Report Date: 22-Apr-2004 11:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74910.D
Lab Smp Id: 25NGA9CAL
Inj Date : 21-APR-2004 10:26
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 25NGA9CAL
Misc Info : U40421A,N8260UX7-3,3-IX.SUB,1754,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\N8260UX7-3.m
Meth Date : 22-Apr-2004 11:25 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.954	4.954	(1.000)	990903	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.569	(1.000)	695978	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.793	9.793	(1.000)	307483	50.0000	
14 Dichlorofluoromethane	67	2.244	2.244	(0.453)	244218	25.0000	26.113
89 Ethyl Ether	59	2.469	2.469	(0.498)	122600	25.0000	25.840
91 3-Chloropropene	76	2.942	2.942	(0.594)	68050	25.0000	25.318
92 Isopropyl Ether	87	3.628	3.628	(0.732)	589545	125.000	126.61
93 2-Chloro-1,3-butadiene	53	3.640	3.640	(0.735)	235365	25.0000	26.024
94 Propionitrile	54	4.054	4.054	(0.818)	32854	50.0000	48.988
95 Ethyl Acetate	43	4.066	4.066	(0.821)	268319	50.0000	48.992
96 Methacrylonitrile	41	4.185	4.185	(0.845)	95369	25.0000	24.102
97 Isobutanol	41	4.611	4.611	(0.609)	53145	500.000	480.50(A)
99 n-Butanol	56	5.155	5.155	(0.681)	28048	500.000	477.33(A)
100 Methyl Methacrylate	41	5.510	5.510	(1.112)	120731	25.0000	24.750
101 2-Nitropropane	41	5.829	5.829	(1.177)	77856	50.0000	49.932
103 Cyclohexanone	55	8.598	8.598	(0.878)	26284	250.000	231.55(A)
146 2-Methylnaphthalene	142	13.225	13.225	(1.350)	13221	50.0000	35.525

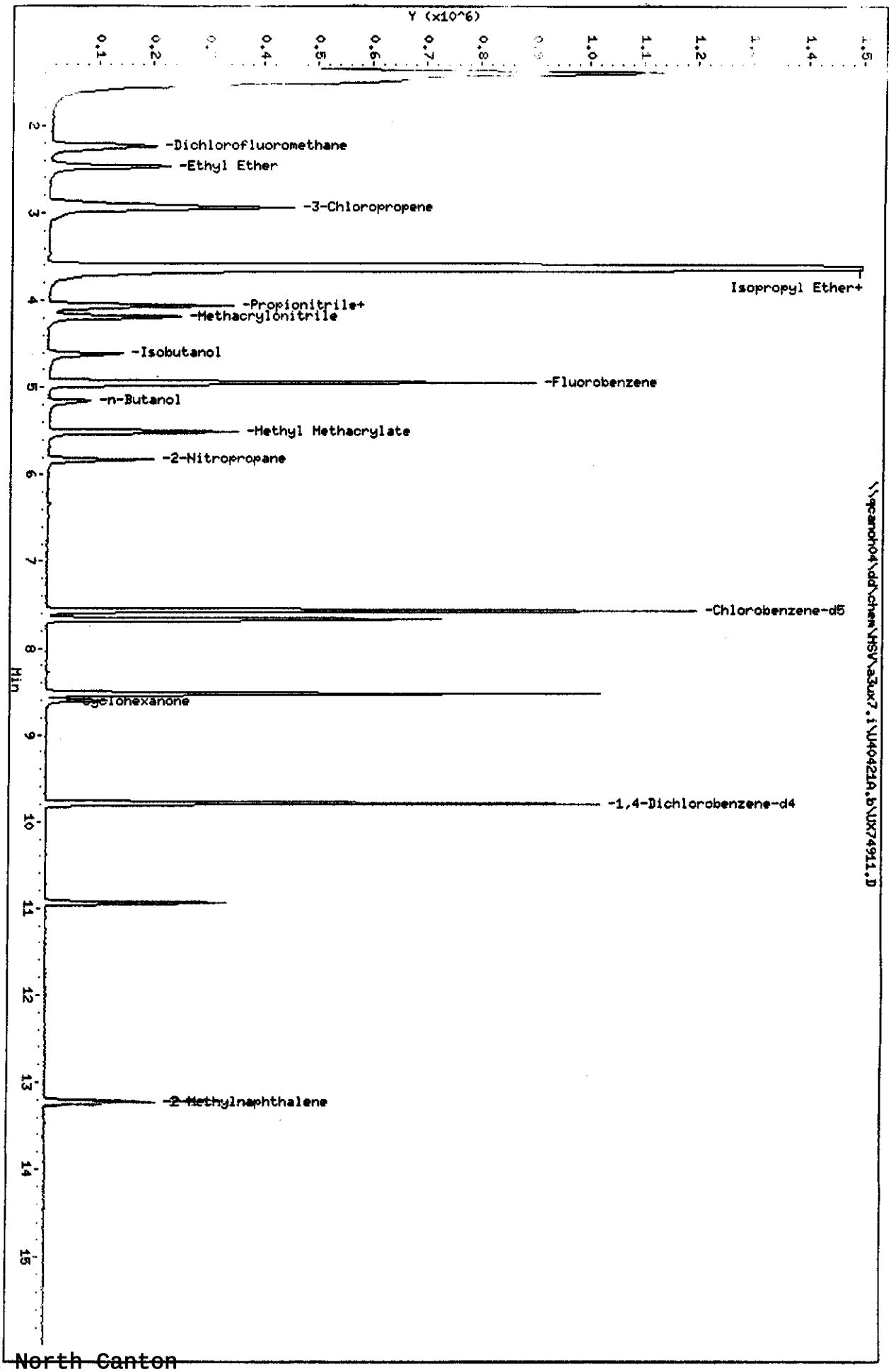
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74910.D
Report Date: 22-Apr-2004 11:26

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40421A.b\UX74911.D
: 21-APR-2004 10:50
Client ID:
Sample Info: 50NG49CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74911.D
Report Date: 22-Apr-2004 11:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74911.D
Lab Smp Id: 50NGA9CAL
Inj Date : 21-APR-2004 10:50
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NGA9CAL
Misc Info : U40421A,N8260UX7-3,3-IX.SUB,1754,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\N8260UX7-3.m
Meth Date : 22-Apr-2004 11:26 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.943	4.943	(1.000)	981321	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.570	(1.000)	696721	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.794	(1.000)	310771	50.0000	
14 Dichlorofluoromethane	67	2.245	2.245	(0.454)	430869	50.0000	46.520
89 Ethyl Ether	59	2.470	2.470	(0.500)	222396	50.0000	47.332
91 3-Chloropropene	76	2.943	2.943	(0.595)	121101	50.0000	45.496
92 Isopropyl Ether	87	3.629	3.629	(0.734)	1096029	250.000	237.68(A)
93 2-Chloro-1,3-butadiene	53	3.641	3.641	(0.737)	418619	50.0000	46.738
94 Propionitrile	54	4.055	4.055	(0.820)	80688	100.000	100.15
95 Ethyl Acetate	43	4.055	4.055	(0.820)	515278	100.000	95.002
96 Methacrylonitrile	41	4.185	4.185	(0.847)	190253	50.0000	48.552
97 Isobutanol	41	4.611	4.611	(0.609)	115229	1000.00	976.79(A)
99 n-Butanol	56	5.156	5.156	(0.681)	63925	1000.00	972.50(A)
100 Methyl Methacrylate	41	5.511	5.511	(1.115)	227809	50.0000	47.156
101 2-Nitropropane	41	5.830	5.830	(1.180)	144250	100.000	93.416
103 Cyclohexanone	55	8.599	8.599	(0.878)	54685	500.000	476.66(A)
146 2-Methylnaphthalene	142	13.226	13.226	(1.350)	140838	100.000	72.905

Data File: \\qcanoh04\dd\chem\MSV\a3[illegible]x7.i\U40421A.b\U[illegible]4911.D
Report Date: 22-Apr-2004 11:26

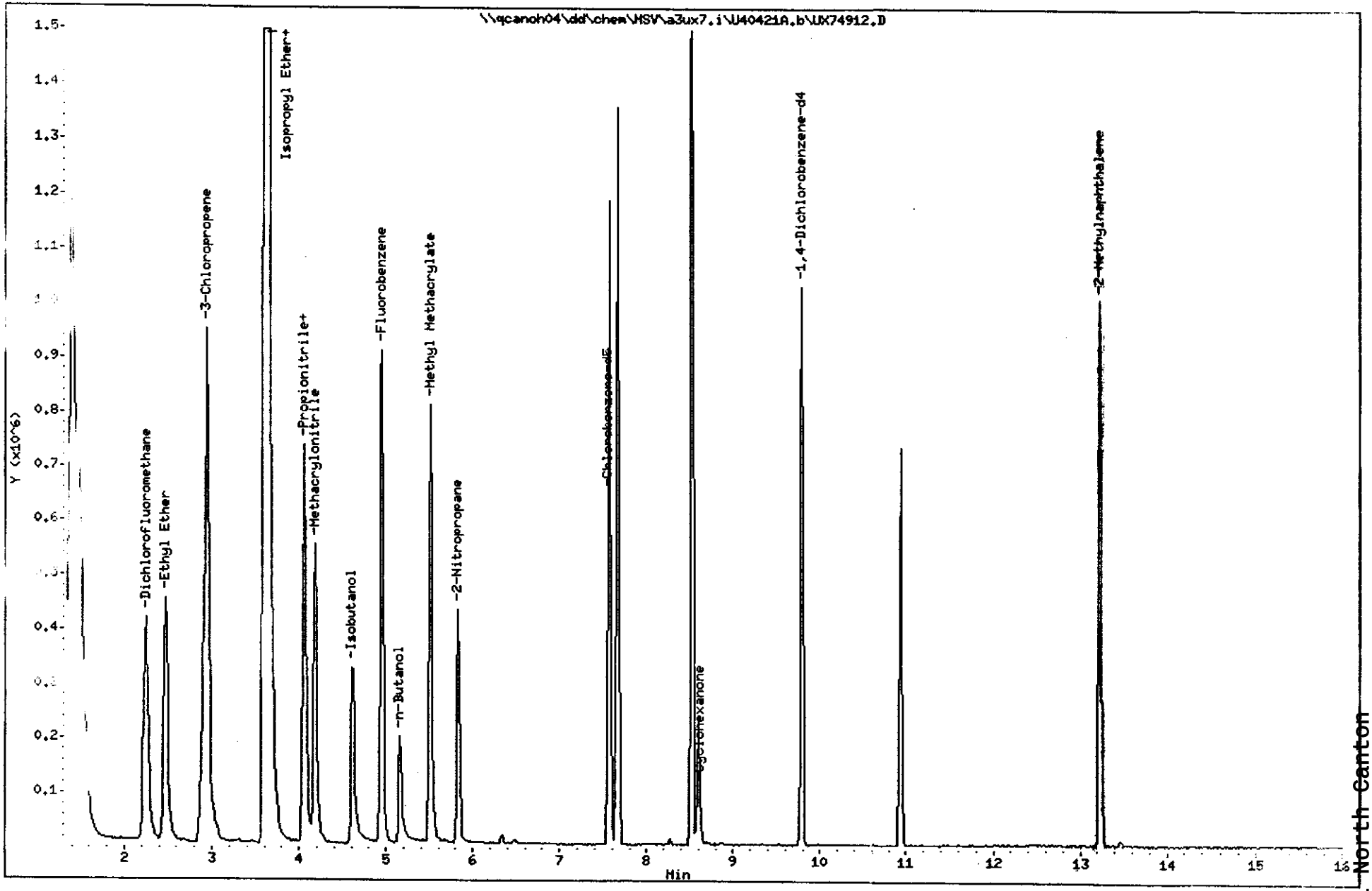
QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74912.D
Date : 21-APR-2004 11:13
Client ID:
Sample Info: 100NGA9CAL
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i

Operator: 1754
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74912.D
Report Date: 22-Apr-2004 11:27

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74912.D
Lab Smp Id: 100NGA9CAL
Inj Date : 21-APR-2004 11:13
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 100NGA9CAL
Misc Info : U40421A,N8260UX7-3,3-IX.SUB,1754,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\N8260UX7-3.m
Meth Date : 22-Apr-2004 11:27 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	990475	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	705801	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	305840	50.0000	
14 Dichlorofluoromethane	67	2.242	2.242	(0.453)	874166	100.000	93.510
89 Ethyl Ether	59	2.467	2.467	(0.498)	454523	100.000	95.840
91 3-Chloropropene	76	2.940	2.940	(0.594)	252557	100.000	94.006
92 Isopropyl Ether	87	3.626	3.626	(0.732)	2217879	500.000	476.51(A)
93 2-Chloro-1,3-butadiene	53	3.650	3.650	(0.737)	846389	100.000	93.625
94 Propionitrile	54	4.052	4.052	(0.818)	164117	200.000	201.82(A)
95 Ethyl Acetate	43	4.064	4.064	(0.821)	1105437	200.000	201.92(A)
96 Methacrylonitrile	41	4.183	4.183	(0.845)	385964	100.000	97.587
97 Isobutanol	41	4.620	4.620	(0.611)	258038	2000.00	2019.5(A)
99 n-Butanol	56	5.153	5.153	(0.681)	148458	2000.00	2022.8(A)
100 Methyl Methacrylate	41	5.508	5.508	(1.112)	512935	100.000	105.20
101 2-Nitropropane	41	5.827	5.827	(1.177)	303116	200.000	194.48
103 Cyclohexanone	55	8.596	8.596	(0.878)	130705	1000.00	1157.7(A)
146 2-Methylnaphthalene	142	13.235	13.235	(1.352)	661148	200.000	208.39

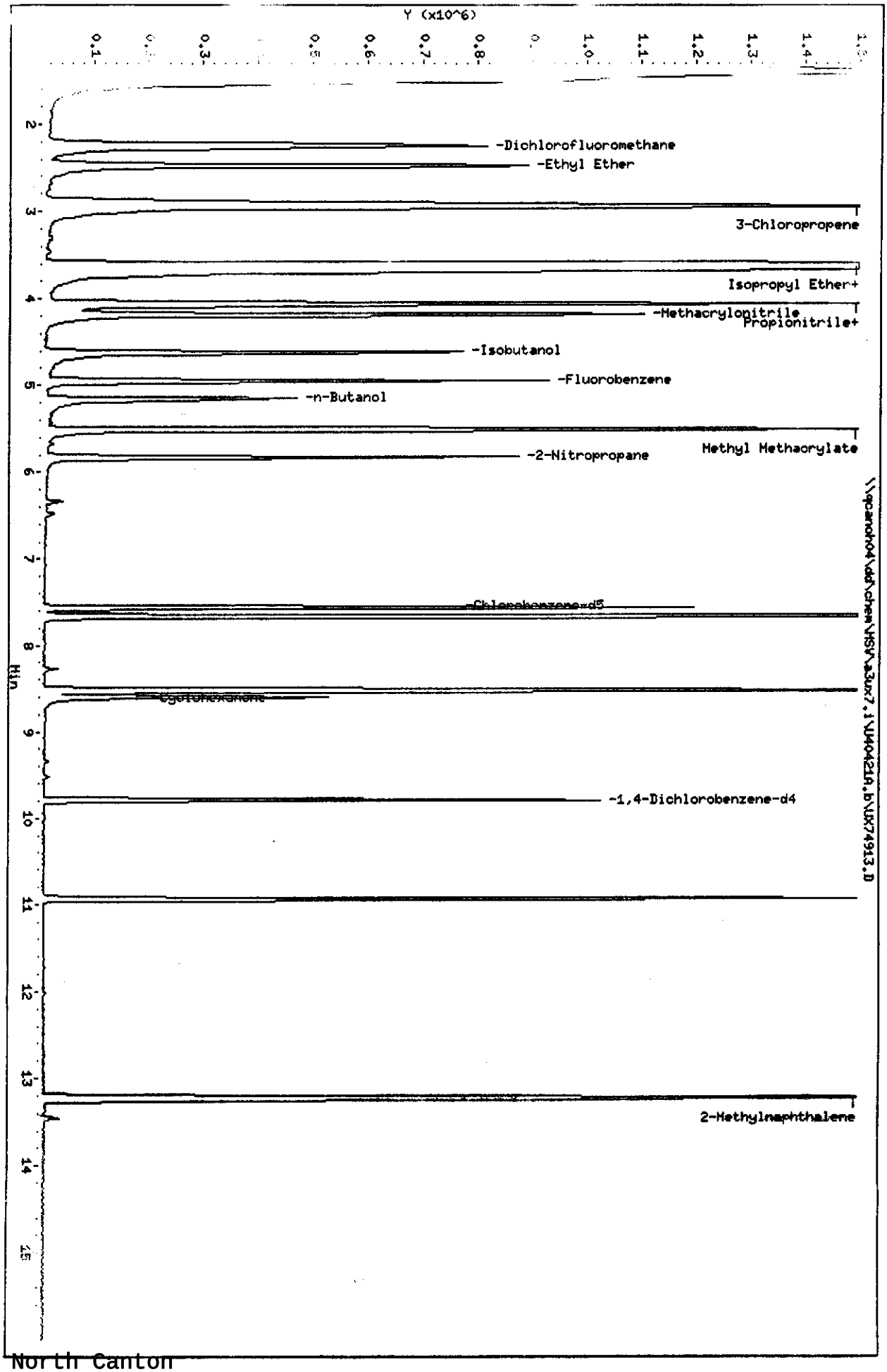
Data File: \\cranoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74912.D
Report Date: 22-Apr-2004 11:27

QC Flag Legend

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

Data File: \\qcanoh04\ddf\chem\MSV\a3ux7.i\U040216.b\UX74913.D
Date : 21-APR-2004 11:55
Client ID:
Sample Info: 200NG99CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74913.D
Report Date: 22-Apr-2004 11:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74913.D
Lab Smp Id: 200NGA9CAL
Inj Date : 21-APR-2004 11:55
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 200NGA9CAL
Misc Info : U40421A,N8260UX7-3,3-IX.SUB,1754,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\N8260UX7-3.m
Meth Date : 22-Apr-2004 11:28 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.954	4.954	(1.000)	980833	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.569	(1.000)	701071	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.794	(1.000)	309470	50.0000	
14 Dichlorofluoromethane	67	2.244	2.244	(0.453)	1845214	200.000	199.32
89 Ethyl Ether	59	2.469	2.469	(0.498)	896497	200.000	190.89
91 3-Chloropropene	76	2.943	2.943	(0.594)	531503	200.000	199.78
92 Isopropyl Ether	87	3.629	3.629	(0.733)	4533367	1000.00	983.56(A)
93 2-Chloro-1,3-butadiene	53	3.652	3.652	(0.737)	1783345	200.000	199.21
94 Propionitrile	54	4.055	4.055	(0.818)	325259	400.000	403.91(A)
95 Ethyl Acetate	43	4.067	4.067	(0.821)	2274977	400.000	419.65(A)
96 Methacrylonitrile	41	4.185	4.185	(0.845)	794235	200.000	202.79(A)
97 Isobutanol	41	4.611	4.611	(0.609)	572710	4000.00	3997.2(A)
99 n-Butanol	56	5.155	5.155	(0.681)	343575	4000.00	3996.9(A)
100 Methyl Methacrylate	41	5.510	5.510	(1.112)	1066787	200.000	220.93(A)
101 2-Nitropropane	41	5.830	5.830	(1.177)	631831	400.000	409.38(A)
103 Cyclohexanone	55	8.599	8.599	(0.878)	270558	2000.00	2368.2(A)
146 2-Methylnaphthalene	142	13.225	13.225	(1.350)	1920176	400.000	399.13

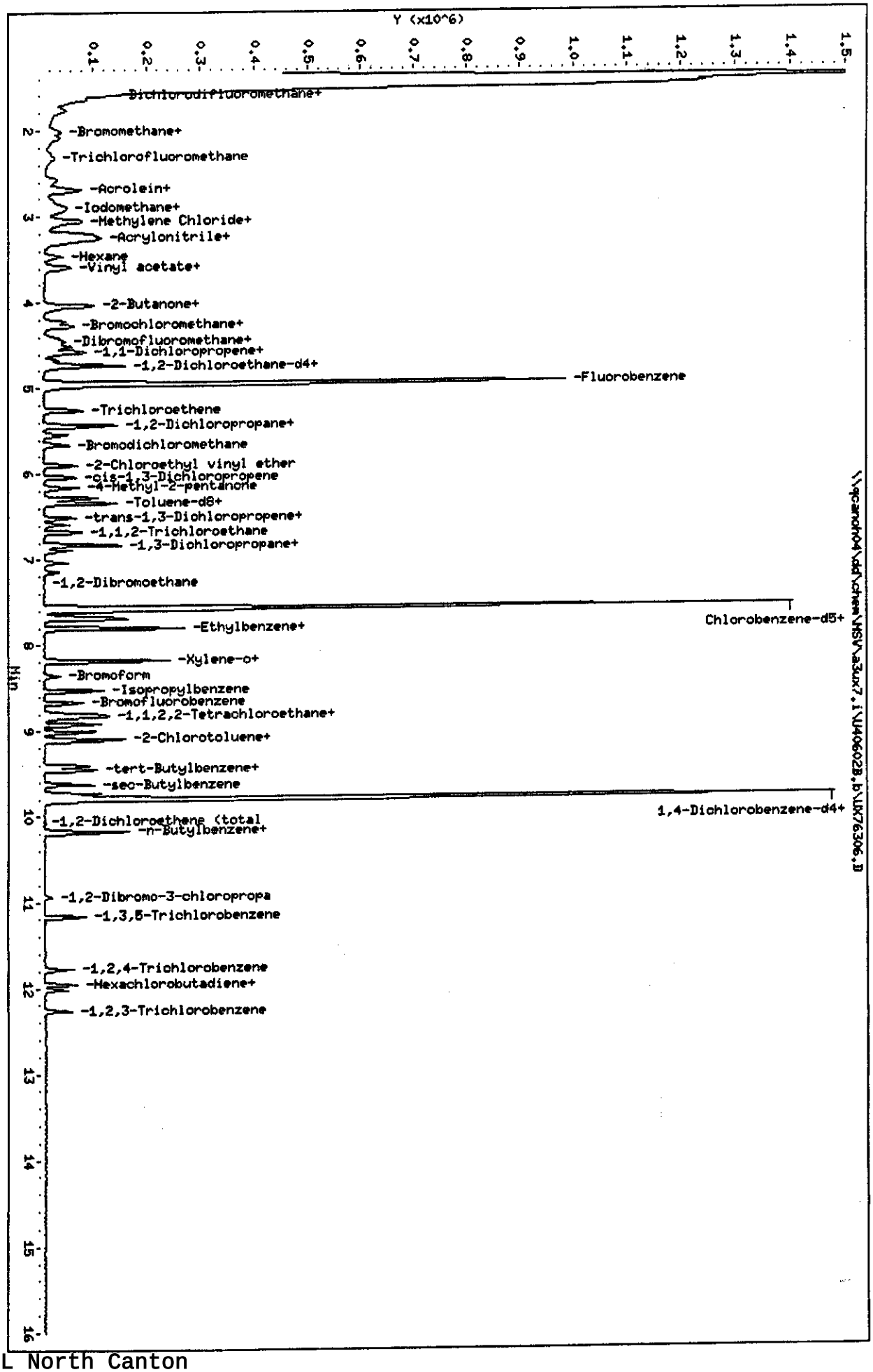
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40421A.b\UX74913.D
Report Date: 22-Apr-2004 11:28

QC Flag Legend

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

Data File: \\qcandh04\dd\chem\HSV\a3ux7.i\U40602B.b\UX76306.D
Date : 02-JUN-2004 12:14
Client ID:
Sample Info: 5.0NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76306.D
Report Date: 02-Jun-2004 15:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76306.D
Lab Smp Id: 5.0NG8260CAL
Inj Date : 02-JUN-2004 12:14
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 5.0NG8260CAL
Misc Info : U40602B,N8260UX7-3,1-8260.SUB,1754,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Meth Date : 02-Jun-2004 15:13 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	1131125	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	909914	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	445158	50.0000	
$ 4 Dibromofluoromethane	113	4.407	4.407	(0.890)	22607	5.00000	4.429
$ 5 1,2-Dichloroethane-d4	65	4.679	4.679	(0.945)	32072	5.00000	4.563
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	78451	5.00000	3.874
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	29288	5.00000	4.153
8 Dichlorodifluoromethane	85	1.591	1.591	(0.321)	33479	5.00000	5.569
9 Chloromethane	50	1.662	1.662	(0.336)	60821	5.00000	5.672
10 Vinyl Chloride	62	1.769	1.769	(0.357)	54904	5.00000	5.835
11 Bromomethane	94	2.005	2.005	(0.405)	33000	5.00000	6.023
12 Chloroethane	64	2.088	2.088	(0.422)	35677	5.00000	6.332
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	47499	5.00000	5.559
15 Acrolein	56	2.561	2.561	(0.517)	67965	50.0000	53.766
16 Acetone	43	2.691	2.691	(0.544)	50603	10.0000	10.323
17 1,1-Dichloroethene	96	2.691	2.691	(0.544)	26530	5.00000	4.981
18 Freon-113	151	2.691	2.691	(0.544)	18724	5.00000	4.873

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76306.D
Report Date: 02-Jun-2004 15:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 Iodomethane	142	2.822	2.822	(0.570)	46454	5.00000	5.331
20 Carbon Disulfide	76	2.893	2.893	(0.584)	106258	5.00000	5.254
21 Methylene Chloride	84	3.046	3.046	(0.615)	68297	5.00000	5.140
22 Acetonitrile	41	2.916	2.916	(0.589)	52037	50.0000	57.079
23 Acrylonitrile	53	3.212	3.212	(0.649)	141402	50.0000	51.408
24 Methyl tert-butyl ether	73	3.271	3.271	(0.661)	91549	5.00000	4.863
25 trans-1,2-Dichloroethene	96	3.259	3.259	(0.658)	32303	5.00000	5.079
26 Hexane	86	3.461	3.461	(0.699)	3399	5.00000	5.848
27 Vinyl acetate	43	3.591	3.591	(0.725)	58143	5.00000	4.479
28 1,1-Dichloroethane	63	3.579	3.579	(0.723)	60001	5.00000	5.226
29 tert-Butyl Alcohol	59	3.106	3.106	(0.627)	37806	100.000	92.376
30 2-Butanone	43	4.029	4.029	(0.814)	42284	10.0000	10.253
M 31 1,2-Dichloroethene (total)	96				64631	10.0000	10.074
32 cis-1,2-dichloroethene	96	4.040	4.040	(0.816)	32328	5.00000	4.995
33 2,2-Dichloropropane	77	4.052	4.052	(0.818)	37541	5.00000	5.175
34 Bromochloromethane	128	4.218	4.218	(0.852)	17918	5.00000	5.595
35 Chloroform	83	4.277	4.277	(0.864)	57853	5.00000	5.370
36 Tetrahydrofuran	42	4.265	4.265	(0.861)	7969	5.00000	4.638
37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	45061	5.00000	5.112
38 1,1-Dichloropropene	75	4.561	4.561	(0.921)	38069	5.00000	4.826
39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	35931	5.00000	4.970
40 1,2-Dichloroethane	62	4.739	4.739	(0.957)	44655	5.00000	5.174
41 Benzene	78	4.739	4.739	(0.957)	139617	5.00000	5.219
42 Trichloroethene	130	5.259	5.259	(1.062)	32658	5.00000	5.173
43 1,2-Dichloropropane	63	5.425	5.425	(1.096)	35931	5.00000	5.420
44 1,4-Dioxane	88	5.543	5.543	(1.119)	11318	250.000	212.78(A)
45 Dibromomethane	93	5.531	5.531	(1.117)	19382	5.00000	5.386
46 Bromodichloromethane	83	5.650	5.650	(1.141)	42156	5.00000	5.144
47 2-Chloroethyl vinyl ether	63	5.898	5.898	(1.191)	30961	10.0000	8.316
48 cis-1,3-Dichloropropene	75	6.040	6.040	(1.220)	45741	5.00000	4.752
49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	56161	10.0000	9.069
50 Toluene	91	6.336	6.336	(0.837)	120949	5.00000	4.672
51 trans-1,3-Dichloropropene	75	6.513	6.513	(0.861)	38457	5.00000	4.616
52 Ethyl Methacrylate	69	6.584	6.584	(0.870)	30080	5.00000	3.993
53 1,1,2-Trichloroethane	97	6.667	6.667	(0.881)	29691	5.00000	5.298
54 1,3-Dichloropropane	76	6.821	6.821	(0.901)	50716	5.00000	5.058
55 Tetrachloroethene	164	6.833	6.833	(0.903)	23494	5.00000	5.241
56 2-Hexanone	43	6.892	6.892	(0.911)	44841	10.0000	8.658
57 Dibromochloromethane	129	7.034	7.034	(0.930)	28659	5.00000	4.958
58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	27428	5.00000	5.120
59 Chlorobenzene	112	7.602	7.602	(1.005)	83510	5.00000	5.156
60 1,1,1,2-Tetrachloroethane	131	7.673	7.673	(1.014)	27857	5.00000	4.809
61 Ethylbenzene	106	7.697	7.697	(1.017)	36116	5.00000	4.540
62 m + p-Xylene	106	7.803	7.803	(1.031)	88308	10.0000	8.866
M 63 Xylenes (total)	106				127639	15.0000	13.002
64 Xylene-o	106	8.182	8.182	(1.081)	39331	5.00000	4.136
65 Styrene	104	8.182	8.182	(1.081)	67318	5.00000	3.936

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76306.D
Report Date: 02-Jun-2004 15:13

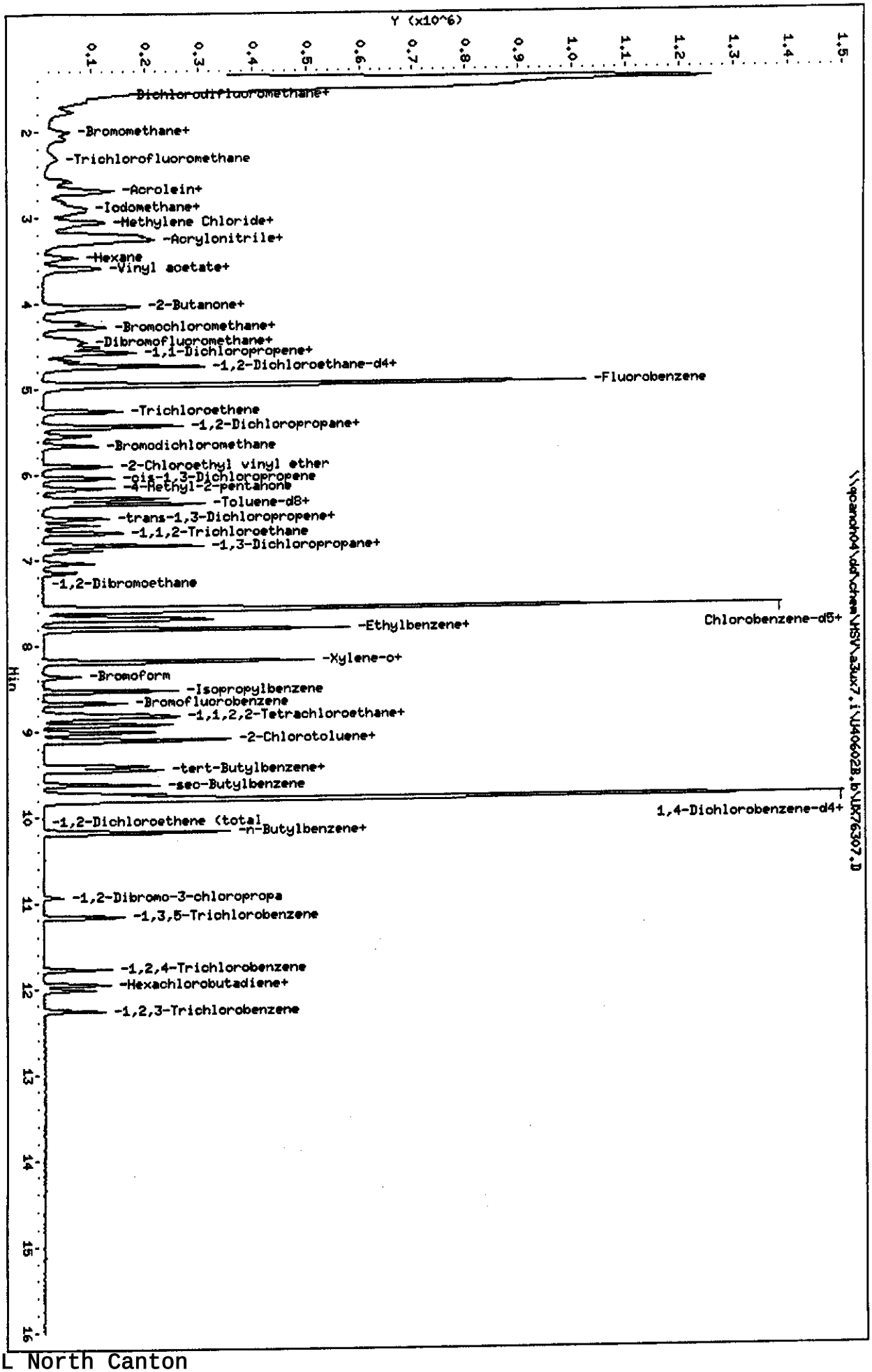
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.359	8.359	(1.105)	17879	5.00000	4.638
67 Isopropylbenzene	105	8.525	8.525	(1.127)	81431	5.00000	4.152
68 1,1,2,2-Tetrachloroethane	83	8.797	8.797	(0.898)	38537	5.00000	5.384
69 1,4-Dichloro-2-butene	53	8.845	8.845	(0.903)	7932	5.00000	4.199
70 1,2,3-Trichloropropane	110	8.833	8.833	(0.902)	11493	5.00000	5.004
71 Bromobenzene	156	8.821	8.821	(0.901)	31984	5.00000	4.994
72 n-Propylbenzene	120	8.916	8.916	(0.911)	21012	5.00000	4.056
73 2-Chlorotoluene	126	9.010	9.010	(0.920)	22543	5.00000	4.360
74 1,3,5-Trimethylbenzene	105	9.093	9.093	(0.929)	66333	5.00000	4.079
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	24661	5.00000	4.518
76 tert-Butylbenzene	119	9.413	9.413	(0.961)	51138	5.00000	4.063
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	67874	5.00000	3.985
78 sec-Butylbenzene	105	9.626	9.626	(0.983)	76265	5.00000	4.174
79 4-Isopropyltoluene	119	9.768	9.768	(0.998)	60179	5.00000	4.007
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	53379	5.00000	4.956
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	58168	5.00000	5.084
82 n-Butylbenzene	91	10.170	10.170	(1.039)	55473	5.00000	4.230
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	54420	5.00000	5.013
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	6578	5.00000	4.828
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	22560	5.00000	4.178
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	15176	5.00000	5.318
87 Naphthalene	128	12.016	12.016	(1.227)	46042	5.00000	7.545
88 1,2,3-Trichlorobenzene	180	12.264	12.264	(1.253)	21368	5.00000	4.154
98 Cyclohexane	56	4.514	4.514	(0.912)	40245	5.00000	4.676(a)
143 Methyl Acetate	43	2.940	2.940	(0.594)	51419	10.0000	10.412
144 Methylcyclohexane	83	5.437	5.437	(1.098)	29104	5.00000	4.460(a)
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	30002	5.00000	4.799

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U406028.b\UK76307.D
Date : 02-JUN-2004 12:38
Client ID:
Sample Info: 10N08260CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76307.D
Report Date: 02-Jun-2004 15:14

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76307.D
Lab Smp Id: 10NG8260CAL
Inj Date : 02-JUN-2004 12:38
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 10NG8260CAL
Misc Info : U40602B,N8260UX7-3,1-8260.SUB,1754,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Meth Date : 02-Jun-2004 15:13 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.951	4.951	(1.000)	1131984	50.0000	
* 2 Chlorobenzene-d5	117	7.566	7.566	(1.000)	913524	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	454183	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.395	(0.888)	49645	10.0000	9.719
$ 5 1,2-Dichloroethane-d4	65	4.667	4.667	(0.943)	69297	10.0000	9.852
$ 6 Toluene-d8	98	6.276	6.276	(0.830)	186656	10.0000	9.181
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	62500	10.0000	8.827
8 Dichlorodifluoromethane	85	1.579	1.579	(0.319)	44776	10.0000	7.442
9 Chloromethane	50	1.662	1.662	(0.336)	109289	10.0000	10.183
10 Vinyl Chloride	62	1.768	1.768	(0.357)	90131	10.0000	9.571
11 Bromomethane	94	2.005	2.005	(0.405)	54412	10.0000	9.975
12 Chloroethane	64	2.088	2.088	(0.422)	57238	10.0000	10.151
13 Trichlorofluoromethane	101	2.324	2.324	(0.470)	68984	10.0000	8.067
15 Acrolein	56	2.573	2.573	(0.520)	126382	100.000	99.903
16 Acetone	43	2.679	2.679	(0.541)	80726	20.0000	19.467
17 1,1-Dichloroethene	96	2.691	2.691	(0.544)	53816	10.0000	10.097
18 Freon-113	151	2.715	2.715	(0.548)	39484	10.0000	10.268

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76307.D
Report Date: 02-Jun-2004 15:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.821	2.821	(0.570)	89525	10.0000	10.267
	20 Carbon Disulfide	76	2.880	2.880	(0.582)	203061	10.0000	10.034
	21 Methylene Chloride	84	3.058	3.058	(0.618)	101077	10.0000	10.129
	22 Acetonitrile	41	2.904	2.904	(0.587)	90925	100.000	99.660
	23 Acrylonitrile	53	3.212	3.212	(0.649)	272667	100.000	99.054
	24 Methyl tert-butyl ether	73	3.271	3.271	(0.661)	185550	10.0000	9.848
	25 trans-1,2-Dichloroethene	96	3.259	3.259	(0.658)	67601	10.0000	10.621
	26 Hexane	86	3.472	3.472	(0.701)	8255	10.0000	10.240
	27 Vinyl acetate	43	3.590	3.590	(0.725)	118916	10.0000	9.154
	28 1,1-Dichloroethane	63	3.579	3.579	(0.723)	118601	10.0000	10.321
	29 tert-Butyl Alcohol	59	3.105	3.105	(0.627)	73425	200.000	179.27
	30 2-Butanone	43	4.016	4.016	(0.811)	82199	20.0000	19.916
M	31 1,2-Dichloroethene (total)	96				132683	20.0000	20.669
	32 cis-1,2-dichloroethene	96	4.028	4.028	(0.814)	65082	10.0000	10.048
	33 2,2-Dichloropropane	77	4.052	4.052	(0.818)	70696	10.0000	9.737
	34 Bromochloromethane	128	4.218	4.218	(0.852)	33031	10.0000	10.307
	35 Chloroform	83	4.277	4.277	(0.864)	110384	10.0000	10.238
	36 Tetrahydrofuran	42	4.265	4.265	(0.861)	15879	10.0000	9.235
	37 1,1,1-Trichloroethane	97	4.442	4.442	(0.897)	89871	10.0000	10.188
	38 1,1-Dichloropropene	75	4.573	4.573	(0.924)	75784	10.0000	9.599
	39 Carbon Tetrachloride	117	4.584	4.584	(0.926)	69935	10.0000	9.666
	40 1,2-Dichloroethane	62	4.726	4.726	(0.955)	89598	10.0000	10.374
	41 Benzene	78	4.738	4.738	(0.957)	267024	10.0000	9.973
	42 Trichloroethene	130	5.259	5.259	(1.062)	64799	10.0000	10.256
	43 1,2-Dichloropropane	63	5.436	5.436	(1.098)	67394	10.0000	10.158
	44 1,4-Dioxane	88	5.543	5.543	(1.119)	24668	500.000	463.40(A)
	45 Dibromomethane	93	5.531	5.531	(1.117)	37953	10.0000	10.539
	46 Bromodichloromethane	83	5.661	5.661	(1.143)	83465	10.0000	10.178
	47 2-Chloroethyl vinyl ether	63	5.898	5.898	(1.191)	63895	20.0000	17.148
	48 cis-1,3-Dichloropropene	75	6.040	6.040	(1.220)	94857	10.0000	9.848
	49 4-Methyl-2-pentanone	43	6.158	6.158	(1.244)	108048	20.0000	17.434
	50 Toluene	91	6.336	6.336	(0.837)	253903	10.0000	9.768
	51 trans-1,3-Dichloropropene	75	6.513	6.513	(0.861)	82240	10.0000	9.832
	52 Ethyl Methacrylate	69	6.584	6.584	(0.870)	66260	10.0000	8.760
	53 1,1,2-Trichloroethane	97	6.679	6.679	(0.883)	58445	10.0000	10.387
	54 1,3-Dichloropropane	76	6.833	6.833	(0.903)	101587	10.0000	10.092
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	45586	10.0000	10.129
	56 2-Hexanone	43	6.892	6.892	(0.911)	87926	20.0000	16.909
	57 Dibromochloromethane	129	7.034	7.034	(0.930)	59371	10.0000	10.230
	58 1,2-Dibromoethane	107	7.140	7.140	(0.944)	52999	10.0000	9.854
	59 Chlorobenzene	112	7.602	7.602	(1.005)	166483	10.0000	10.238
	60 1,1,1,2-Tetrachloroethane	131	7.673	7.673	(1.014)	60325	10.0000	10.374
	61 Ethylbenzene	106	7.696	7.696	(1.017)	76565	10.0000	9.586
	62 m + p-Xylene	106	7.803	7.803	(1.031)	185059	20.0000	18.506
M	63 Xylenes (total)	106				276199	30.0000	28.053
	64 Xylene-o	106	8.182	8.182	(1.081)	91140	10.0000	9.547
	65 Styrene	104	8.182	8.182	(1.081)	159095	10.0000	9.267

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76307.D
Report Date: 02-Jun-2004 15:14

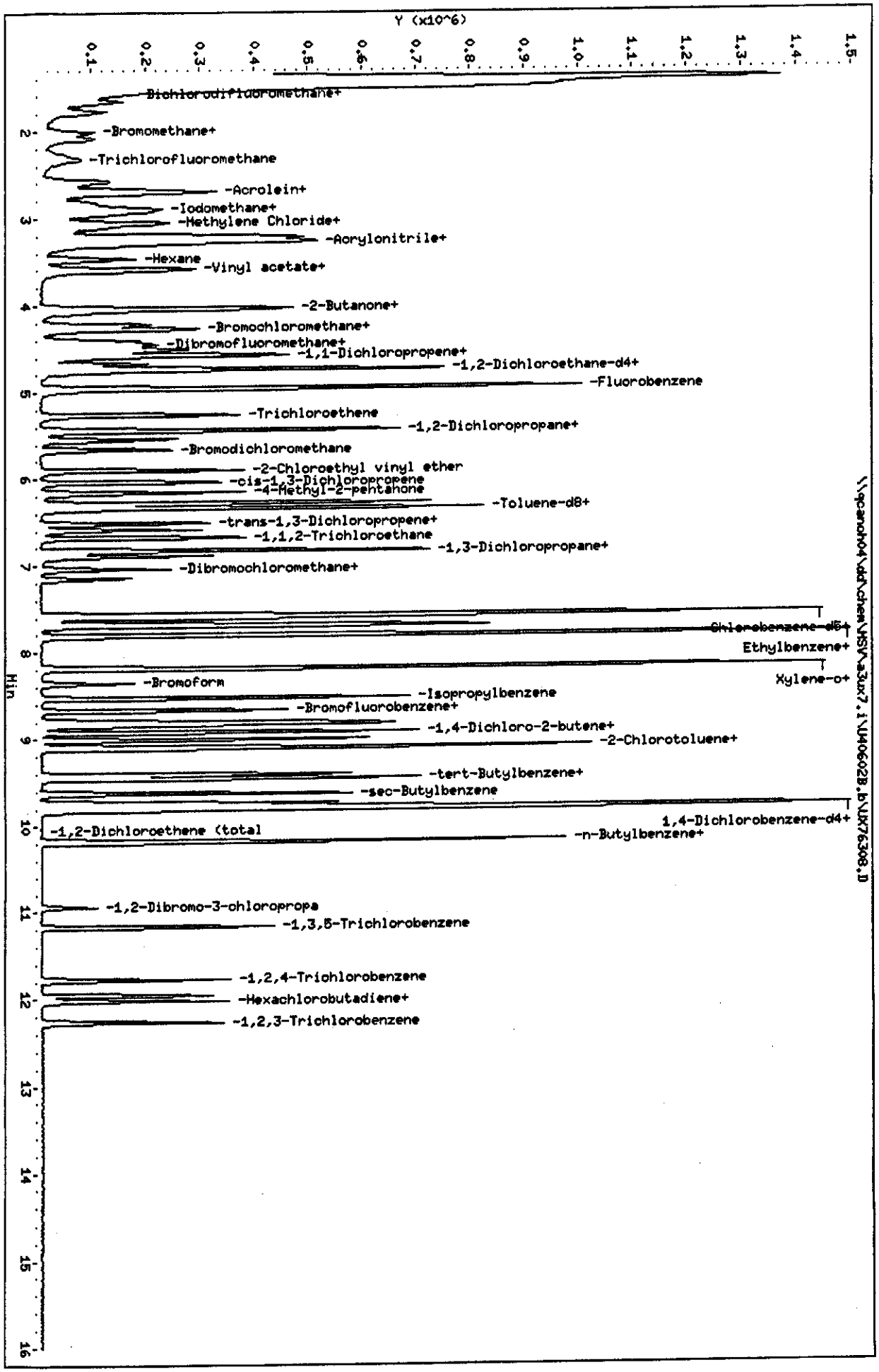
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.359	8.359	(1.105)	39331	10.0000	10.163
67 Isopropylbenzene	105	8.525	8.525	(1.127)	175272	10.0000	8.900
68 1,1,2,2-Tetrachloroethane	83	8.785	8.785	(0.897)	74447	10.0000	10.193
69 1,4-Dichloro-2-butene	53	8.844	8.844	(0.903)	19500	10.0000	10.118
70 1,2,3-Trichloropropane	110	8.832	8.832	(0.902)	24510	10.0000	10.459
71 Bromobenzene	156	8.821	8.821	(0.901)	67969	10.0000	10.402
72 n-Propylbenzene	120	8.915	8.915	(0.911)	48464	10.0000	9.169
73 2-Chlorotoluene	126	9.010	9.010	(0.920)	53340	10.0000	10.111
74 1,3,5-Trimethylbenzene	105	9.093	9.093	(0.929)	148421	10.0000	8.945
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	54300	10.0000	9.750
76 tert-Butylbenzene	119	9.412	9.412	(0.961)	113358	10.0000	8.828
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	156372	10.0000	8.999
78 sec-Butylbenzene	105	9.625	9.625	(0.983)	167709	10.0000	8.997
79 4-Isopropyltoluene	119	9.767	9.767	(0.998)	134221	10.0000	8.760
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	114750	10.0000	10.443
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	123713	10.0000	10.598
82 n-Butylbenzene	91	10.169	10.169	(1.039)	119211	10.0000	8.910
83 1,2-Dichlorobenzene	146	10.181	10.181	(1.040)	110362	10.0000	9.964
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	13803	10.0000	9.930
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	51378	10.0000	9.325
86 Hexachlorobutadiene	225	11.956	11.956	(1.221)	28382	10.0000	9.749
87 Naphthalene	128	12.015	12.015	(1.227)	98335	10.0000	10.571
88 1,2,3-Trichlorobenzene	180	12.264	12.264	(1.253)	45433	10.0000	8.656
98 Cyclohexane	56	4.502	4.502	(0.909)	75649	10.0000	8.783
143 Methyl Acetate	43	2.940	2.940	(0.594)	102034	20.0000	20.645
144 Methylcyclohexane	83	5.436	5.436	(1.098)	55821	10.0000	8.547
141 1,3,5-Trichlorobenzene	180	11.163	11.163	(1.140)	62859	10.0000	9.854

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U406028.b\UX76308.D
Date : 02-JUN-2004 13:01
Client ID:
Sample Info: 25N08260CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76308.D
Report Date: 02-Jun-2004 15:14

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76308.D
Lab Smp Id: 25NG8260CAL
Inj Date : 02-JUN-2004 13:01
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 25NG8260CAL
Misc Info : U40602B,N8260UX7-3,1-8260.SUB,1754,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Meth Date : 02-Jun-2004 15:14 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.953	4.953	(1.000)	1142589	50.0000	
* 2 Chlorobenzene-d5	117	7.568	7.568	(1.000)	908155	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	472715	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	134847	25.0000	26.153
$ 5 1,2-Dichloroethane-d4	65	4.669	4.669	(0.943)	188623	25.0000	26.567
$ 6 Toluene-d8	98	6.278	6.278	(0.830)	535057	25.0000	26.472
$ 7 Bromofluorobenzene	95	8.668	8.668	(1.145)	184837	25.0000	26.259
8 Dichlorodifluoromethane	85	1.580	1.580	(0.319)	139942	25.0000	23.044
9 Chloromethane	50	1.651	1.651	(0.333)	257698	25.0000	23.789
10 Vinyl Chloride	62	1.769	1.769	(0.357)	220907	25.0000	23.241
11 Bromomethane	94	2.006	2.006	(0.405)	124888	25.0000	23.426
12 Chloroethane	64	2.089	2.089	(0.422)	141225	25.0000	24.814
13 Trichlorofluoromethane	101	2.314	2.314	(0.467)	204464	25.0000	23.688
15 Acrolein	56	2.562	2.562	(0.517)	318669	250.000	249.56
16 Acetone	43	2.681	2.681	(0.541)	183664	50.0000	50.313
17 1,1-Dichloroethene	96	2.692	2.692	(0.544)	134353	25.0000	24.973
18 Freon-113	151	2.704	2.704	(0.546)	93138	25.0000	23.996

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76308.D
Report Date: 02-Jun-2004 15:14

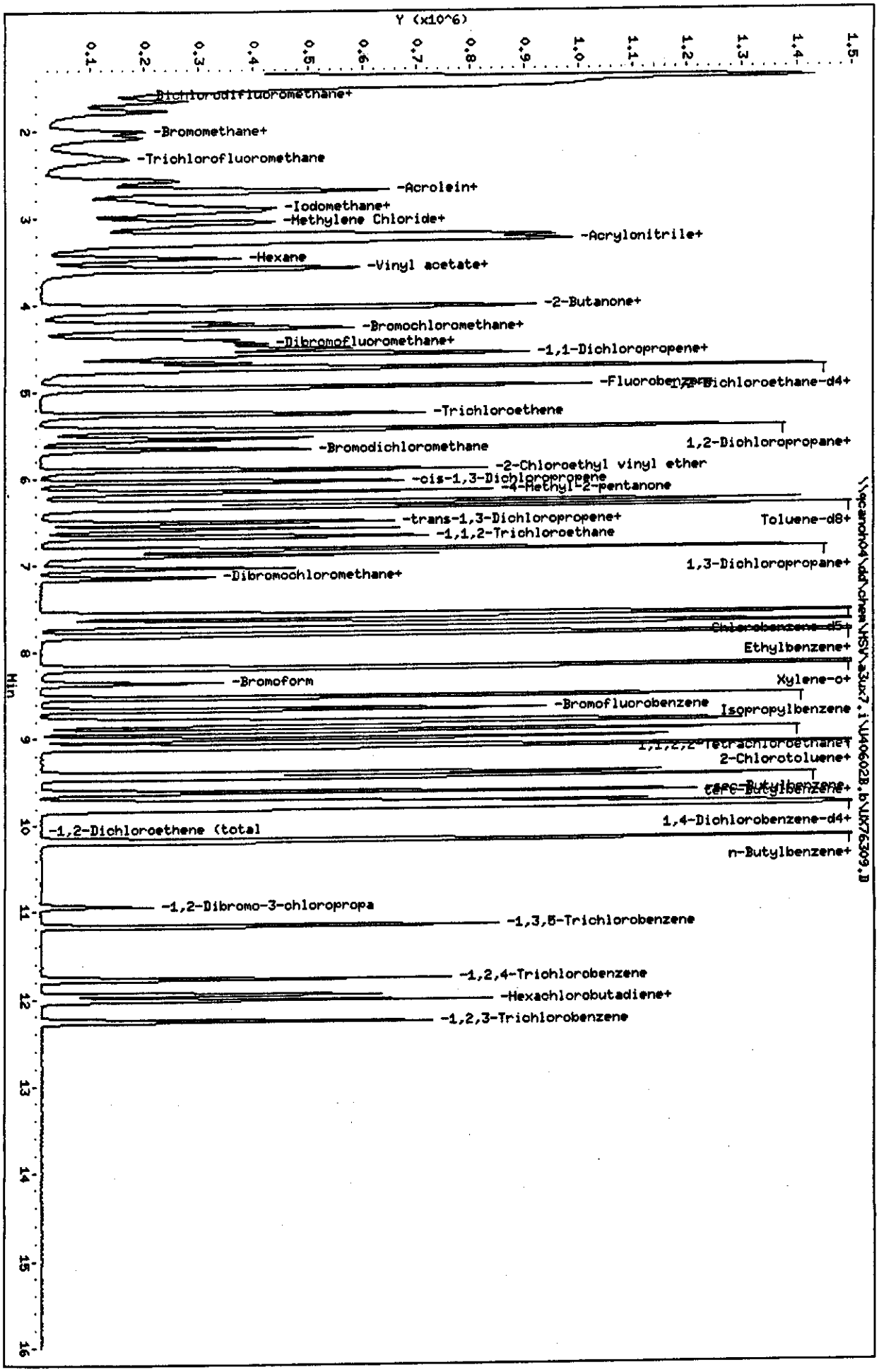
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 Iodomethane	142	2.823	2.823	(0.570)	220653	25.0000	25.070
20 Carbon Disulfide	76	2.882	2.882	(0.582)	514700	25.0000	25.197
21 Methylene Chloride	84	3.047	3.047	(0.615)	199121	25.0000	24.828
22 Acetonitrile	41	2.905	2.905	(0.587)	226153	250.000	245.58
23 Acrylonitrile	53	3.201	3.201	(0.646)	692049	250.000	249.07
24 Methyl tert-butyl ether	73	3.272	3.272	(0.661)	471285	25.0000	24.781
25 trans-1,2-Dichloroethene	96	3.260	3.260	(0.658)	162733	25.0000	25.331
26 Hexane	86	3.473	3.473	(0.701)	25224	25.0000	25.388
27 Vinyl acetate	43	3.592	3.592	(0.725)	306231	25.0000	23.355
28 1,1-Dichloroethane	63	3.580	3.580	(0.723)	292489	25.0000	25.218
29 tert-Butyl Alcohol	59	3.107	3.107	(0.627)	204185	500.000	493.90
30 2-Butanone	43	4.018	4.018	(0.811)	201382	50.0000	48.340
M 31 1,2-Dichloroethene (total)	96				327779	50.0000	50.576
32 cis-1,2-dichloroethene	96	4.030	4.030	(0.814)	165046	25.0000	25.245
33 2,2-Dichloropropane	77	4.053	4.053	(0.818)	180557	25.0000	24.639
34 Bromochloromethane	128	4.219	4.219	(0.852)	80069	25.0000	24.753
35 Chloroform	83	4.278	4.278	(0.864)	272320	25.0000	25.023
36 Tetrahydrofuran	42	4.266	4.266	(0.861)	44557	25.0000	25.672
37 1,1,1-Trichloroethane	97	4.456	4.456	(0.900)	223635	25.0000	25.117
38 1,1-Dichloropropene	75	4.562	4.562	(0.921)	196261	25.0000	24.629
39 Carbon Tetrachloride	117	4.586	4.586	(0.926)	184756	25.0000	25.299
40 1,2-Dichloroethane	62	4.728	4.728	(0.955)	225623	25.0000	25.881
41 Benzene	78	4.740	4.740	(0.957)	680184	25.0000	25.169
42 Trichloroethene	130	5.260	5.260	(1.062)	159588	25.0000	25.024
43 1,2-Dichloropropane	63	5.438	5.438	(1.098)	162837	25.0000	24.315
44 1,4-Dioxane	88	5.544	5.544	(1.119)	65317	1250.00	1215.6(A)
45 Dibromomethane	93	5.532	5.532	(1.117)	89574	25.0000	24.642
46 Bromodichloromethane	83	5.662	5.662	(1.143)	208519	25.0000	25.190
47 2-Chloroethyl vinyl ether	63	5.899	5.899	(1.191)	182364	50.0000	48.489
48 cis-1,3-Dichloropropene	75	6.041	6.041	(1.220)	239664	25.0000	24.650
49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	301617	50.0000	48.216
50 Toluene	91	6.337	6.337	(0.837)	667486	25.0000	25.832
51 trans-1,3-Dichloropropene	75	6.514	6.514	(0.861)	207078	25.0000	24.904
52 Ethyl Methacrylate	69	6.585	6.585	(0.870)	184633	25.0000	24.555
53 1,1,2-Trichloroethane	97	6.680	6.680	(0.883)	142704	25.0000	25.513
54 1,3-Dichloropropane	76	6.822	6.822	(0.901)	255259	25.0000	25.510
55 Tetrachloroethene	164	6.834	6.834	(0.903)	111991	25.0000	25.031
56 2-Hexanone	43	6.893	6.893	(0.911)	258576	50.0000	50.021
57 Dibromochloromethane	129	7.035	7.035	(0.930)	146876	25.0000	25.457
58 1,2-Dibromoethane	107	7.142	7.142	(0.944)	134852	25.0000	25.220
59 Chlorobenzene	112	7.603	7.603	(1.005)	405712	25.0000	25.097
60 1,1,1,2-Tetrachloroethane	131	7.674	7.674	(1.014)	150362	25.0000	26.010
61 Ethylbenzene	106	7.698	7.698	(1.017)	200299	25.0000	25.226
62 m + p-Xylene	106	7.804	7.804	(1.031)	514402	50.0000	51.744
M 63 Xylenes (total)	106				755927	75.0000	77.194
64 Xylene-o	106	8.183	8.183	(1.081)	241525	25.0000	25.450
65 Styrene	104	8.183	8.183	(1.081)	437607	25.0000	25.639

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76308.D
Report Date: 02-Jun-2004 15:14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.360	8.360	(1.105)	99276	25.0000	25.805
67 Isopropylbenzene	105	8.526	8.526	(1.127)	486575	25.0000	24.855
68 1,1,2,2-Tetrachloroethane	83	8.786	8.786	(0.897)	187201	25.0000	24.627
69 1,4-Dichloro-2-butene	53	8.846	8.846	(0.903)	47807	25.0000	23.833
70 1,2,3-Trichloropropane	110	8.834	8.834	(0.902)	63006	25.0000	25.832
71 Bromobenzene	156	8.822	8.822	(0.901)	164493	25.0000	24.188
72 n-Propylbenzene	120	8.917	8.917	(0.911)	136229	25.0000	24.762
73 2-Chlorotoluene	126	9.011	9.011	(0.920)	138700	25.0000	25.262
74 1,3,5-Trimethylbenzene	105	9.094	9.094	(0.929)	431249	25.0000	24.971
75 4-Chlorotoluene	126	9.106	9.106	(0.930)	149207	25.0000	25.742
76 tert-Butylbenzene	119	9.413	9.413	(0.961)	324924	25.0000	24.312
77 1,2,4-Trimethylbenzene	105	9.449	9.449	(0.965)	457317	25.0000	25.287
78 sec-Butylbenzene	105	9.626	9.626	(0.983)	470568	25.0000	24.254
79 4-Isopropyltoluene	119	9.768	9.768	(0.998)	394408	25.0000	24.731
80 1,3-Dichlorobenzene	146	9.733	9.733	(0.994)	282741	25.0000	24.723
81 1,4-Dichlorobenzene	146	9.816	9.816	(1.002)	297570	25.0000	24.492
82 n-Butylbenzene	91	10.171	10.171	(1.039)	333157	25.0000	23.926
83 1,2-Dichlorobenzene	146	10.183	10.183	(1.040)	293262	25.0000	25.440
84 1,2-Dibromo-3-chloropropane	157	10.940	10.940	(1.117)	35946	25.0000	24.848
85 1,2,4-Trichlorobenzene	180	11.780	11.780	(1.203)	135093	25.0000	23.558
86 Hexachlorobutadiene	225	11.958	11.958	(1.221)	71823	25.0000	23.704
87 Naphthalene	128	12.017	12.017	(1.227)	318161	25.0000	22.659
88 1,2,3-Trichlorobenzene	180	12.265	12.265	(1.253)	136129	25.0000	24.920
98 Cyclohexane	56	4.515	4.515	(0.912)	203655	25.0000	23.426
143 Methyl Acetate	43	2.941	2.941	(0.594)	250576	50.0000	50.230
144 Methylcyclohexane	83	5.438	5.438	(1.098)	156227	25.0000	23.700
141 1,3,5-Trichlorobenzene	180	11.165	11.165	(1.140)	153755	25.0000	23.159

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U406028.b\UX76309.D
Date : 02-JUN-2004 13:25
Client ID:
Sample Info: 50NG826OCAL
Purge Volume: 5.0
Column phase: DB624 20m
Instrument: a3ux7.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
Min
Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane+
-Dibromofluoromethane+
-1,1-Dichloropropene+
-Fluorobenzene
1,2-Dichloroethane-d4+
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene+
Toluene-d8+
-1,1,2-Trichloroethane
1,3-Dichloropropane+
-Dibromochloromethane+
Chlorobenzene-d5+
Ethylbenzene+
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
1,1,2,2-Tetrachloroethane+
2-Chlorotoluene+
tert-Butylbenzene+
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichloroethene (total
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene+
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\HSV\a3ux7.i\U406028.b\UX76309.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76309.D
Report Date: 02-Jun-2004 15:14

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76309.D
Lab Smp Id: 50NG8260CAL
Inj Date : 02-JUN-2004 13:25
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 50NG8260CAL
Misc Info : U40602B,N8260UX7-3,1-8260.SUB,1754,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Meth Date : 02-Jun-2004 15:14 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	1148721	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	917309	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	469715	50.0000	
$ 4 Dibromofluoromethane	113	4.396	4.396	(0.888)	263676	50.0000	50.866
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	356877	50.0000	49.996
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	1089637	50.0000	53.373
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	369768	50.0000	52.007
8 Dichlorodifluoromethane	85	1.591	1.591	(0.321)	319770	50.0000	52.376
9 Chloromethane	50	1.662	1.662	(0.336)	524022	50.0000	48.117
10 Vinyl Chloride	62	1.781	1.781	(0.360)	471887	50.0000	49.381
11 Bromomethane	94	2.017	2.017	(0.407)	252765	50.0000	50.243
12 Chloroethane	64	2.088	2.088	(0.422)	280729	50.0000	49.062
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	459254	50.0000	52.921
15 Acrolein	56	2.573	2.573	(0.520)	623767	500.000	485.89
16 Acetone	43	2.692	2.692	(0.544)	348927	100.000	99.878
17 1,1-Dichloroethene	96	2.692	2.692	(0.544)	264986	50.0000	48.992
18 Freon-113	151	2.704	2.704	(0.546)	189047	50.0000	48.446

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76309.D
Report Date: 02-Jun-2004 15:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.822	2.822	(0.570)	420846	50.0000	47.560
	20 Carbon Disulfide	76	2.893	2.893	(0.584)	986093	50.0000	48.016
	21 Methylene Chloride	84	3.047	3.047	(0.615)	364306	50.0000	49.661
	22 Acetonitrile	41	2.905	2.905	(0.587)	446713	500.000	482.49
	23 Acrylonitrile	53	3.201	3.201	(0.646)	1369924	500.000	490.42
	24 Methyl tert-butyl ether	73	3.283	3.283	(0.663)	938297	50.0000	49.074
	25 trans-1,2-Dichloroethene	96	3.260	3.260	(0.658)	309396	50.0000	47.903
	26 Hexane	86	3.473	3.473	(0.701)	49582	50.0000	46.999
	27 Vinyl acetate	43	3.591	3.591	(0.725)	671920	50.0000	50.971
	28 1,1-Dichloroethane	63	3.579	3.579	(0.723)	560670	50.0000	48.081
	29 tert-Butyl Alcohol	59	3.106	3.106	(0.627)	409689	1000.00	985.70
	30 2-Butanone	43	4.017	4.017	(0.811)	408338	100.000	97.495
M	31 1,2-Dichloroethene (total)	96				628770	100.000	96.493
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	319374	50.0000	48.590
	33 2,2-Dichloropropane	77	4.053	4.053	(0.818)	355541	50.0000	48.258
	34 Bromochloromethane	128	4.218	4.218	(0.852)	153597	50.0000	47.231
	35 Chloroform	83	4.277	4.277	(0.864)	528629	50.0000	48.315
	36 Tetrahydrofuran	42	4.254	4.254	(0.859)	84945	50.0000	48.681
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	427900	50.0000	47.802
	38 1,1-Dichloropropene	75	4.561	4.561	(0.921)	400428	50.0000	49.983
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	358209	50.0000	48.788
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	420774	50.0000	48.009
	41 Benzene	78	4.739	4.739	(0.957)	1308182	50.0000	48.148
	42 Trichloroethene	130	5.259	5.259	(1.062)	307572	50.0000	47.970
	43 1,2-Dichloropropane	63	5.437	5.437	(1.098)	321385	50.0000	47.734
	44 1,4-Dioxane	88	5.543	5.543	(1.119)	137504	2500.00	2545.4(A)
	45 Dibromomethane	93	5.532	5.532	(1.117)	174102	50.0000	47.640
	46 Bromodichloromethane	83	5.662	5.662	(1.143)	403479	50.0000	48.483
	47 2-Chloroethyl vinyl ether	63	5.898	5.898	(1.191)	389236	100.000	102.94
	48 cis-1,3-Dichloropropene	75	6.040	6.040	(1.220)	481310	50.0000	49.239
	49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	650910	100.000	103.50
	50 Toluene	91	6.336	6.336	(0.837)	1312006	50.0000	50.268
	51 trans-1,3-Dichloropropene	75	6.514	6.514	(0.861)	416470	50.0000	49.587
	52 Ethyl Methacrylate	69	6.585	6.585	(0.870)	391628	50.0000	51.564
	53 1,1,2-Trichloroethane	97	6.679	6.679	(0.883)	273484	50.0000	48.406
	54 1,3-Dichloropropane	76	6.821	6.821	(0.901)	493142	50.0000	48.791
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	220803	50.0000	48.858
	56 2-Hexanone	43	6.892	6.892	(0.911)	553262	100.000	105.96
	57 Dibromochloromethane	129	7.034	7.034	(0.930)	284244	50.0000	48.774
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	266903	50.0000	49.418
	59 Chlorobenzene	112	7.602	7.602	(1.005)	790475	50.0000	48.409
	60 1,1,1,2-Tetrachloroethane	131	7.673	7.673	(1.014)	285436	50.0000	48.882
	61 Ethylbenzene	106	7.697	7.697	(1.017)	405436	50.0000	50.552
	62 m + p-Xylene	106	7.804	7.804	(1.031)	1030539	100.000	102.63
M	63 Xylenes (total)	106				1531398	150.000	154.88
	64 Xylene-o	106	8.182	8.182	(1.081)	500859	50.0000	52.250
	65 Styrene	104	8.182	8.182	(1.081)	909798	50.0000	52.773

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76309.D
Report Date: 02-Jun-2004 15:14

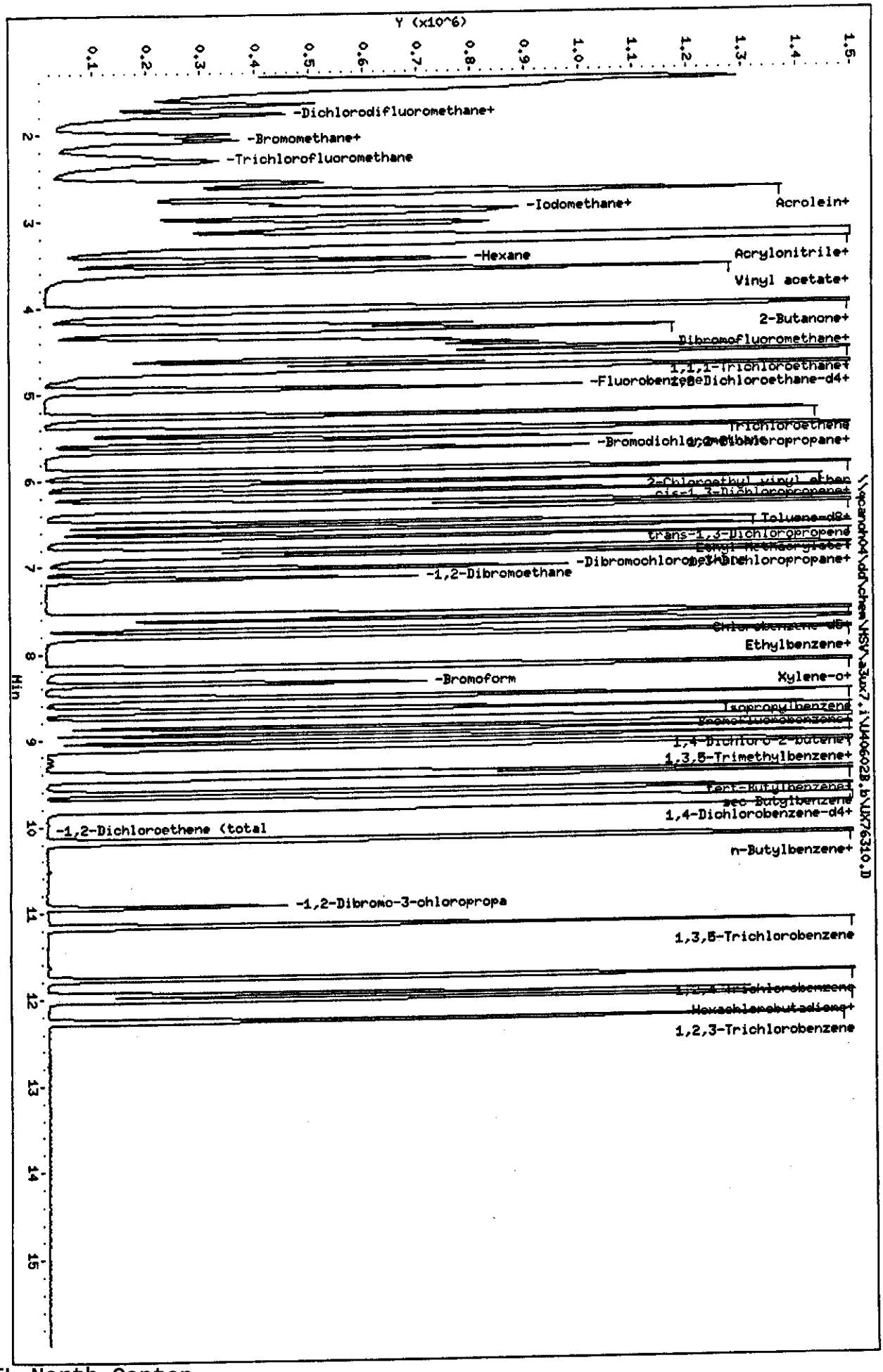
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.360	8.360	(1.105)	192043	50.0000	49.421
67 Isopropylbenzene	105	8.525	8.525	(1.127)	1015730	50.0000	51.367
68 1,1,2,2-Tetrachloroethane	83	8.797	8.797	(0.898)	370452	50.0000	49.046
69 1,4-Dichloro-2-butene	53	8.845	8.845	(0.903)	98210	50.0000	49.273
70 1,2,3-Trichloropropane	110	8.833	8.833	(0.902)	118518	50.0000	48.903
71 Bromobenzene	156	8.821	8.821	(0.901)	332094	50.0000	49.144
72 n-Propylbenzene	120	8.916	8.916	(0.911)	285232	50.0000	52.177
73 2-Chlorotoluene	126	9.010	9.010	(0.920)	276353	50.0000	50.655
74 1,3,5-Trimethylbenzene	105	9.093	9.093	(0.929)	903804	50.0000	52.668
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	294979	50.0000	51.216
76 tert-Butylbenzene	119	9.413	9.413	(0.961)	679580	50.0000	51.173
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	951740	50.0000	52.963
78 sec-Butylbenzene	105	9.626	9.626	(0.983)	988469	50.0000	51.273
79 4-Isopropyltoluene	119	9.768	9.768	(0.998)	830801	50.0000	52.427
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	559110	50.0000	49.201
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	591658	50.0000	49.009
82 n-Butylbenzene	91	10.170	10.170	(1.039)	705164	50.0000	50.965
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	567919	50.0000	49.581
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	67944	50.0000	47.266
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	292189	50.0000	51.280
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	145391	50.0000	48.290
87 Naphthalene	128	12.016	12.016	(1.227)	768122	50.0000	47.467
88 1,2,3-Trichlorobenzene	180	12.264	12.264	(1.253)	280910	50.0000	51.753
98 Cyclohexane	56	4.514	4.514	(0.912)	436784	50.0000	49.975
143 Methyl Acetate	43	2.940	2.940	(0.594)	476905	100.000	95.089
144 Methylcyclohexane	83	5.437	5.437	(1.098)	330749	50.0000	49.907
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	330553	50.0000	50.108

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U406028.b\UX76310.D
Date : 02-JUN-2004 13:48
Client ID:
Sample Info: 100NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76310.D
Report Date: 02-Jun-2004 15:15

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76310.D
Lab Smp Id: 100NG8260CAL
Inj Date : 02-JUN-2004 13:48
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 100NG8260CAL
Misc Info : U40602B,N8260UX7-3,1-8260.SUB,1754,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Meth Date : 02-Jun-2004 15:15 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.954	4.954	(1.000)	1164762	50.0000	
* 2 Chlorobenzene-d5	117	7.569	7.569	(1.000)	942471	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.794	(1.000)	484971	50.0000	
$ 4 Dibromofluoromethane	113	4.398	4.398	(0.888)	549346	100.000	104.52
$ 5 1,2-Dichloroethane-d4	65	4.670	4.670	(0.943)	739452	100.000	102.17
$ 6 Toluene-d8	98	6.280	6.280	(0.830)	2287348	100.000	109.05
$ 7 Bromofluorobenzene	95	8.670	8.670	(1.145)	800429	100.000	109.57
8 Dichlorodifluoromethane	85	1.582	1.582	(0.319)	681900	100.000	110.15
9 Chloromethane	50	1.665	1.665	(0.336)	1097846	100.000	99.418
10 Vinyl Chloride	62	1.783	1.783	(0.360)	962588	100.000	99.343
11 Bromomethane	94	2.020	2.020	(0.408)	465196	100.000	100.48
12 Chloroethane	64	2.079	2.079	(0.420)	538107	100.000	92.748
13 Trichlorofluoromethane	101	2.316	2.316	(0.467)	926777	100.000	105.32
15 Acrolein	56	2.576	2.576	(0.520)	1294827	1000.00	994.74
16 Acetone	43	2.682	2.682	(0.541)	687392	200.000	200.02(A)
17 1,1-Dichloroethene	96	2.694	2.694	(0.544)	560109	100.000	102.13
18 Freon-113	151	2.706	2.706	(0.546)	413586	100.000	104.53

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76310.D
Report Date: 02-Jun-2004 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.824	2.824	(0.570)	878318	100.000	97.892
	20 Carbon Disulfide	76	2.884	2.884	(0.582)	2071323	100.000	99.470
	21 Methylene Chloride	84	3.049	3.049	(0.616)	705589	100.000	100.29
	22 Acetonitrile	41	2.895	2.895	(0.584)	907189	1000.00	966.36
	23 Acrylonitrile	53	3.203	3.203	(0.647)	2843054	1000.00	1003.8
	24 Methyl tert-butyl ether	73	3.274	3.274	(0.661)	1980619	100.000	102.16
	25 trans-1,2-Dichloroethene	96	3.262	3.262	(0.659)	641982	100.000	98.027
	26 Hexane	86	3.463	3.463	(0.699)	112582	100.000	101.85
	27 Vinyl acetate	43	3.594	3.594	(0.725)	1460005	100.000	109.23
	28 1,1-Dichloroethane	63	3.582	3.582	(0.723)	1159182	100.000	98.039
	29 tert-Butyl Alcohol	59	3.108	3.108	(0.627)	914862	2000.00	2170.8(A)
	30 2-Butanone	43	4.020	4.020	(0.811)	865165	200.000	203.72(A)
M	31 1,2-Dichloroethene (total)	96				1317247	200.000	199.35
	32 cis-1,2-dichloroethene	96	4.031	4.031	(0.814)	675265	100.000	101.32
	33 2,2-Dichloropropane	77	4.043	4.043	(0.816)	758314	100.000	101.51
	34 Bromochloromethane	128	4.221	4.221	(0.852)	316731	100.000	96.053
	35 Chloroform	83	4.280	4.280	(0.864)	1076784	100.000	97.060
	36 Tetrahydrofuran	42	4.256	4.256	(0.859)	190931	100.000	107.91
	37 1,1,1-Trichloroethane	97	4.446	4.446	(0.897)	905341	100.000	99.746
	38 1,1-Dichloropropene	75	4.564	4.564	(0.921)	849272	100.000	104.55
	39 Carbon Tetrachloride	117	4.588	4.588	(0.926)	767293	100.000	103.07
	40 1,2-Dichloroethane	62	4.730	4.730	(0.955)	863704	100.000	97.188
	41 Benzene	78	4.730	4.730	(0.955)	2743730	100.000	99.594
	42 Trichloroethene	130	5.262	5.262	(1.062)	644376	100.000	99.115
	43 1,2-Dichloropropane	63	5.428	5.428	(1.096)	668852	100.000	97.974
	44 1,4-Dioxane	88	5.534	5.534	(1.117)	302063	5000.00	5514.7(A)
	45 Dibromomethane	93	5.534	5.534	(1.117)	359923	100.000	97.130
	46 Bromodichloromethane	83	5.653	5.653	(1.141)	834016	100.000	98.836
	47 2-Chloroethyl vinyl ether	63	5.901	5.901	(1.191)	869733	200.000	226.85(A)
	48 cis-1,3-Dichloropropene	75	6.031	6.031	(1.217)	1024347	100.000	103.35
	49 4-Methyl-2-pentanone	43	6.161	6.161	(1.244)	1398425	200.000	219.29(A)
	50 Toluene	91	6.339	6.339	(0.837)	2777612	100.000	103.58
	51 trans-1,3-Dichloropropene	75	6.504	6.504	(0.859)	900731	100.000	104.38
	52 Ethyl Methacrylate	69	6.587	6.587	(0.870)	897834	100.000	115.06
	53 1,1,2-Trichloroethane	97	6.670	6.670	(0.881)	563371	100.000	97.053
	54 1,3-Dichloropropane	76	6.824	6.824	(0.902)	1042724	100.000	100.41
	55 Tetrachloroethene	164	6.836	6.836	(0.903)	459974	100.000	99.063
	56 2-Hexanone	43	6.883	6.883	(0.909)	1187302	200.000	221.32(A)
	57 Dibromochloromethane	129	7.037	7.037	(0.930)	607416	100.000	101.45
	58 1,2-Dibromoethane	107	7.143	7.143	(0.944)	557014	100.000	100.38
	59 Chlorobenzene	112	7.593	7.593	(1.003)	1670252	100.000	99.557
	60 1,1,1,2-Tetrachloroethane	131	7.664	7.664	(1.013)	602609	100.000	100.44
	61 Ethylbenzene	106	7.700	7.700	(1.017)	869519	100.000	105.52
	62 m + p-Xylene	106	7.806	7.806	(1.031)	2220923	200.000	215.27(A)
M	63 Xylenes (total)	106				3293545	300.000	324.18
	64 Xylene-o	106	8.173	8.173	(1.080)	1072622	100.000	108.91
	65 Styrene	104	8.185	8.185	(1.081)	1961810	100.000	110.76

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76310.D
Report Date: 02-Jun-2004 15:15

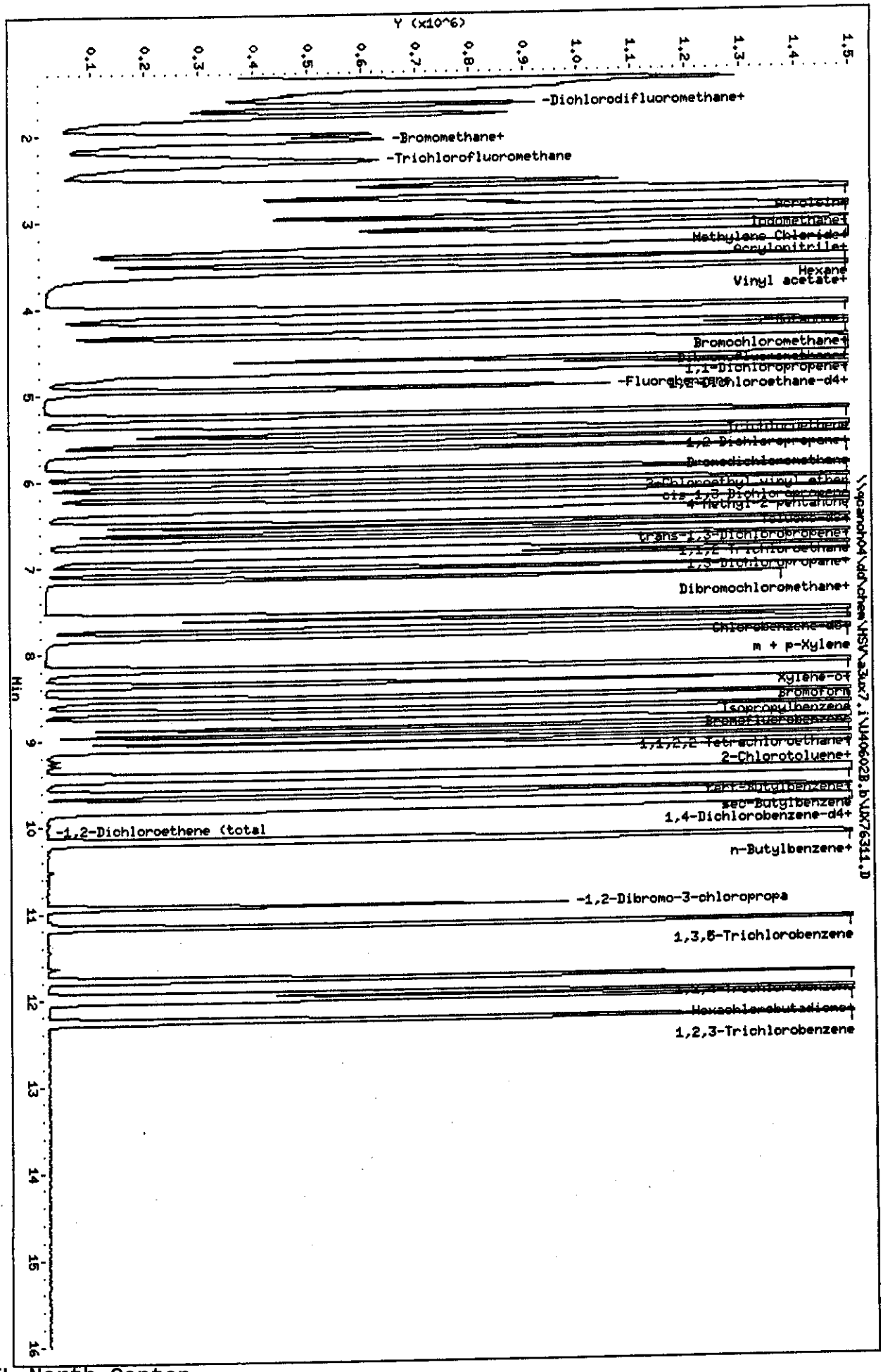
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.362	8.362	(1.105)	405605	100.000	101.59
67 Isopropylbenzene	105	8.528	8.528	(1.127)	2272594	100.000	111.86
68 1,1,2,2-Tetrachloroethane	83	8.788	8.788	(0.897)	753361	100.000	96.603
69 1,4-Dichloro-2-butene	53	8.847	8.847	(0.903)	225558	100.000	109.60
70 1,2,3-Trichloropropane	110	8.836	8.836	(0.902)	241729	100.000	96.605
71 Bromobenzene	156	8.824	8.824	(0.901)	703617	100.000	100.85
72 n-Propylbenzene	120	8.918	8.918	(0.911)	624648	100.000	110.67
73 2-Chlorotoluene	126	9.001	9.001	(0.919)	585505	100.000	103.94
74 1,3,5-Trimethylbenzene	105	9.084	9.084	(0.927)	1950402	100.000	110.08
75 4-Chlorotoluene	126	9.108	9.108	(0.930)	607683	100.000	102.19
76 tert-Butylbenzene	119	9.404	9.404	(0.960)	1552503	100.000	113.23
77 1,2,4-Trimethylbenzene	105	9.451	9.451	(0.965)	2044874	100.000	110.21
78 sec-Butylbenzene	105	9.617	9.617	(0.982)	2212927	100.000	111.18
79 4-Isopropyltoluene	119	9.759	9.759	(0.996)	1818134	100.000	111.12
80 1,3-Dichlorobenzene	146	9.735	9.735	(0.994)	1156577	100.000	98.575
81 1,4-Dichlorobenzene	146	9.818	9.818	(1.002)	1220500	100.000	97.918
82 n-Butylbenzene	91	10.161	10.161	(1.037)	1591327	100.000	111.39
83 1,2-Dichlorobenzene	146	10.184	10.184	(1.040)	1176716	100.000	99.499
84 1,2-Dibromo-3-chloropropane	157	10.942	10.942	(1.117)	153269	100.000	103.27
85 1,2,4-Trichlorobenzene	180	11.782	11.782	(1.203)	641827	100.000	109.10
86 Hexachlorobutadiene	225	11.959	11.959	(1.221)	313788	100.000	100.94
87 Naphthalene	128	12.019	12.019	(1.227)	1887398	100.000	102.08
88 1,2,3-Trichlorobenzene	180	12.267	12.267	(1.252)	624245	100.000	111.39
98 Cyclohexane	56	4.505	4.505	(0.909)	980604	100.000	110.65
143 Methyl Acetate	43	2.943	2.943	(0.594)	1000849	200.000	196.81
144 Methylcyclohexane	83	5.440	5.440	(1.098)	766743	100.000	114.10
141 1,3,5-Trichlorobenzene	180	11.167	11.167	(1.140)	713037	100.000	104.69

QC Flag Legend

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

Data File: \\qcanch04\dd\chem\HSV\a3ux7.i\U406028.b\UX76311.D
Date : 02-JUN-2004 14:12
Client ID:
Sample Info: 200NG8260CAL
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76311.D
Report Date: 02-Jun-2004 15:15

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76311.D
Lab Smp Id: 200NG8260CAL
Inj Date : 02-JUN-2004 14:12
Operator : 1754 Inst ID: a3ux7.i
Smp Info : 200NG8260CAL
Misc Info : U40602B,N8260UX7-3,1-8260.SUB,1754,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Meth Date : 02-Jun-2004 15:15 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	1202290	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	997640	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.791	(1.000)	494615	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.395	(0.888)	1121688	200.000	206.74(A)
$ 5 1,2-Dichloroethane-d4	65	4.668	4.668	(0.943)	1521058	200.000	203.60(A)
$ 6 Toluene-d8	98	6.277	6.277	(0.830)	4841603	200.000	218.06(A)
$ 7 Bromofluorobenzene	95	8.667	8.667	(1.145)	1701965	200.000	220.10(A)
8 Dichlorodifluoromethane	85	1.579	1.579	(0.319)	1368947	200.000	214.23(A)
9 Chloromethane	50	1.674	1.674	(0.338)	2141211	200.000	187.85
10 Vinyl Chloride	62	1.780	1.780	(0.360)	1930826	200.000	193.05
11 Bromomethane	94	2.017	2.017	(0.407)	829921	200.000	199.85
12 Chloroethane	64	2.076	2.076	(0.419)	978791	200.000	163.44
13 Trichlorofluoromethane	101	2.313	2.313	(0.467)	1857267	200.000	204.48(A)
15 Acrolein	56	2.573	2.573	(0.520)	2582074	2000.00	1921.7
16 Acetone	43	2.680	2.680	(0.541)	1385427	400.000	400.00(A)
17 1,1-Dichloroethene	96	2.692	2.692	(0.544)	1125362	200.000	198.79
18 Freon-113	151	2.703	2.703	(0.546)	836933	200.000	204.92(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76311.D
Report Date: 02-Jun-2004 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.822	2.822	(0.570)	1804361	200.000	194.82
	20 Carbon Disulfide	76	2.881	2.881	(0.582)	4225045	200.000	196.56
	21 Methylene Chloride	84	3.047	3.047	(0.615)	1399377	200.000	199.95
	22 Acetonitrile	41	2.893	2.893	(0.584)	1837580	2000.00	1896.3
	23 Acrylonitrile	53	3.200	3.200	(0.646)	5849742	2000.00	2000.8(A)
	24 Methyl tert-butyl ether	73	3.271	3.271	(0.661)	4195606	200.000	209.66(A)
	25 trans-1,2-Dichloroethene	96	3.259	3.259	(0.658)	1312126	200.000	194.10
	26 Hexane	86	3.461	3.461	(0.699)	230820	200.000	199.68
	27 Vinyl acetate	43	3.591	3.591	(0.725)	3153485	200.000	228.56(A)
	28 1,1-Dichloroethane	63	3.579	3.579	(0.723)	2372679	200.000	194.41
	29 tert-Butyl Alcohol	59	3.106	3.106	(0.627)	1950538	4000.00	4483.9(A)
	30 2-Butanone	43	4.017	4.017	(0.811)	1785926	400.000	407.41(A)
M	31 1,2-Dichloroethene (total)	96				2689852	400.000	394.37
	32 cis-1,2-dichloroethene	96	4.029	4.029	(0.814)	1377726	200.000	200.27(A)
	33 2,2-Dichloropropane	77	4.052	4.052	(0.818)	1581572	200.000	205.10(A)
	34 Bromochloromethane	128	4.218	4.218	(0.852)	650043	200.000	190.98
	35 Chloroform	83	4.277	4.277	(0.864)	2208818	200.000	192.88
	36 Tetrahydrofuran	42	4.253	4.253	(0.859)	390576	200.000	213.86(A)
	37 1,1,1-Trichloroethane	97	4.443	4.443	(0.897)	1874839	200.000	200.11(A)
	38 1,1-Dichloropropene	75	4.561	4.561	(0.921)	1751728	200.000	208.91(A)
	39 Carbon Tetrachloride	117	4.585	4.585	(0.926)	1569247	200.000	204.21(A)
	40 1,2-Dichloroethane	62	4.727	4.727	(0.955)	1762142	200.000	192.10
	41 Benzene	78	4.739	4.739	(0.957)	5649128	200.000	198.66
	42 Trichloroethene	130	5.259	5.259	(1.062)	1326566	200.000	197.68
	43 1,2-Dichloropropane	63	5.437	5.437	(1.098)	1399840	200.000	198.65
	44 1,4-Dioxane	88	5.543	5.543	(1.119)	638025	10000.0	11285(A)
	45 Dibromomethane	93	5.531	5.531	(1.117)	733741	200.000	191.83
	46 Bromodichloromethane	83	5.662	5.662	(1.143)	1720682	200.000	197.55
	47 2-Chloroethyl vinyl ether	63	5.898	5.898	(1.191)	1863994	400.000	471.01(A)
	48 cis-1,3-Dichloropropene	75	6.040	6.040	(1.220)	2169925	200.000	212.10(A)
	49 4-Methyl-2-pentanone	43	6.159	6.159	(1.244)	2963737	400.000	450.25(A)
	50 Toluene	91	6.336	6.336	(0.837)	5758676	200.000	202.87(A)
	51 trans-1,3-Dichloropropene	75	6.514	6.514	(0.861)	1939719	200.000	212.36(A)
	52 Ethyl Methacrylate	69	6.585	6.585	(0.870)	1918504	200.000	232.26(A)
	53 1,1,2-Trichloroethane	97	6.679	6.679	(0.883)	1158246	200.000	188.50
	54 1,3-Dichloropropane	76	6.821	6.821	(0.901)	2151724	200.000	195.75
	55 Tetrachloroethene	164	6.833	6.833	(0.903)	953430	200.000	193.98
	56 2-Hexanone	43	6.892	6.892	(0.911)	2549078	400.000	448.88(A)
	57 Dibromochloromethane	129	7.034	7.034	(0.930)	1238768	200.000	195.45
	58 1,2-Dibromoethane	107	7.141	7.141	(0.944)	1162672	200.000	197.94
	59 Chlorobenzene	112	7.602	7.602	(1.005)	3471657	200.000	195.49
	60 1,1,1,2-Tetrachloroethane	131	7.673	7.673	(1.014)	1242529	200.000	195.65
	61 Ethylbenzene	106	7.697	7.697	(1.017)	1845867	200.000	211.62(A)
	62 m + p-Xylene	106	7.803	7.803	(1.031)	4589488	400.000	420.25(A)
M	63 Xylenes (total)	106				6811988	600.000	633.43
	64 Xylene-o	106	8.182	8.182	(1.081)	2222500	200.000	213.18(A)
	65 Styrene	104	8.182	8.182	(1.081)	4115186	200.000	219.48(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76311.D
Report Date: 02-Jun-2004 15:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.359	8.359	(1.105)	861656	200.000	203.88(A)
67 Isopropylbenzene	105	8.525	8.525	(1.127)	4901163	200.000	227.90(A)
68 1,1,2,2-Tetrachloroethane	83	8.797	8.797	(0.898)	1546086	200.000	194.39
69 1,4-Dichloro-2-butene	53	8.845	8.845	(0.903)	467417	200.000	222.70(A)
70 1,2,3-Trichloropropane	110	8.833	8.833	(0.902)	498101	200.000	195.18
71 Bromobenzene	156	8.821	8.821	(0.901)	1426125	200.000	200.42(A)
72 n-Propylbenzene	120	8.916	8.916	(0.911)	1302408	200.000	226.25(A)
73 2-Chlorotoluene	126	9.010	9.010	(0.920)	1210785	200.000	210.76(A)
74 1,3,5-Trimethylbenzene	105	9.093	9.093	(0.929)	4108075	200.000	227.34(A)
75 4-Chlorotoluene	126	9.105	9.105	(0.930)	1268121	200.000	209.09(A)
76 tert-Butylbenzene	119	9.413	9.413	(0.961)	3290046	200.000	235.27(A)
77 1,2,4-Trimethylbenzene	105	9.448	9.448	(0.965)	4276788	200.000	226.01(A)
78 sec-Butylbenzene	105	9.626	9.626	(0.983)	4702182	200.000	231.63(A)
79 4-Isopropyltoluene	119	9.768	9.768	(0.998)	3916732	200.000	234.72(A)
80 1,3-Dichlorobenzene	146	9.732	9.732	(0.994)	2406976	200.000	201.15(A)
81 1,4-Dichlorobenzene	146	9.815	9.815	(1.002)	2502669	200.000	196.87
82 n-Butylbenzene	91	10.170	10.170	(1.039)	3416730	200.000	234.51(A)
83 1,2-Dichlorobenzene	146	10.182	10.182	(1.040)	2404441	200.000	199.35
84 1,2-Dibromo-3-chloropropane	157	10.939	10.939	(1.117)	323727	200.000	213.87(A)
85 1,2,4-Trichlorobenzene	180	11.779	11.779	(1.203)	1407607	200.000	234.60(A)
86 Hexachlorobutadiene	225	11.957	11.957	(1.221)	658200	200.000	207.61(A)
87 Naphthalene	128	12.016	12.016	(1.227)	4246710	200.000	199.68
88 1,2,3-Trichlorobenzene	180	12.264	12.264	(1.253)	1323495	200.000	231.56(A)
98 Cyclohexane	56	4.514	4.514	(0.912)	2091807	200.000	228.67(A)
143 Methyl Acetate	43	2.940	2.940	(0.594)	2072507	400.000	394.82
144 Methylcyclohexane	83	5.437	5.437	(1.098)	1617809	200.000	233.23
141 1,3,5-Trichlorobenzene	180	11.164	11.164	(1.140)	1499601	200.000	215.88

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76312.D
Report Date: 02-Jun-2004 15:35

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: 1-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Misc Info: U40602B,N8260UX7-3,1-8260.SUB,1754

Client SDG: SDGa00164
Fraction: VOA

Operator: 1754
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
17	1,1-Dichloroethene	10.000	10.005	100.05	45-155
42	Trichloroethene	10.000	8.945	89.45	45-155
59	Chlorobenzene	10.000	9.055	90.55	45-155
50	Toluene	10.000	9.565	95.65	45-155
41	Benzene	10.000	9.159	91.59	45-155
16	Acetone	10.000	8.006	80.06	45-155
20	Carbon Disulfide	10.000	9.754	97.54	45-155
9	Chloromethane	10.000	7.663	76.63	45-155
11	Bromomethane	10.000	8.046	80.46	45-155
10	Vinyl Chloride	10.000	8.014	80.14	45-155
12	Chloroethane	10.000	7.445	74.45	45-155
21	Methylene Chloride	10.000	9.108	91.08	45-155
28	1,1-Dichloroethane	10.000	9.006	90.06	45-155
M 31	1,2-Dichloroethene	20.000	18.344	91.72	45-155
35	Chloroform	10.000	8.847	88.47	45-155
40	1,2-Dichloroethane	10.000	8.953	89.53	45-155
30	2-Butanone	10.000	7.635	76.35	45-155
37	1,1,1-Trichloroeth	10.000	9.016	90.16	45-155
39	Carbon Tetrachlori	10.000	9.475	94.75	45-155
46	Bromodichlorometha	10.000	8.902	89.02	45-155
43	1,2-Dichloropropan	10.000	9.048	90.48	45-155
48	cis-1,3-Dichloropr	10.000	9.114	91.14	45-155
57	Dibromochlorometha	10.000	8.832	88.32	45-155
53	1,1,2-Trichloroeth	10.000	8.736	87.36	45-155
51	trans-1,3-Dichloro	10.000	9.098	90.98	45-155
66	Bromoform	10.000	9.222	92.22	45-155
49	4-Methyl-2-pentano	10.000	8.688	86.88	45-155
56	2-Hexanone	10.000	7.436	74.36	45-155
55	Tetrachloroethene	10.000	9.237	92.37	45-155
68	1,1,2,2-Tetrachlor	10.000	9.401	94.01	45-155
61	Ethylbenzene	10.000	9.601	96.01	45-155
65	Styrene	10.000	9.595	95.95	45-155
62	m + p-Xylene	20.000	19.479	97.39	45-155

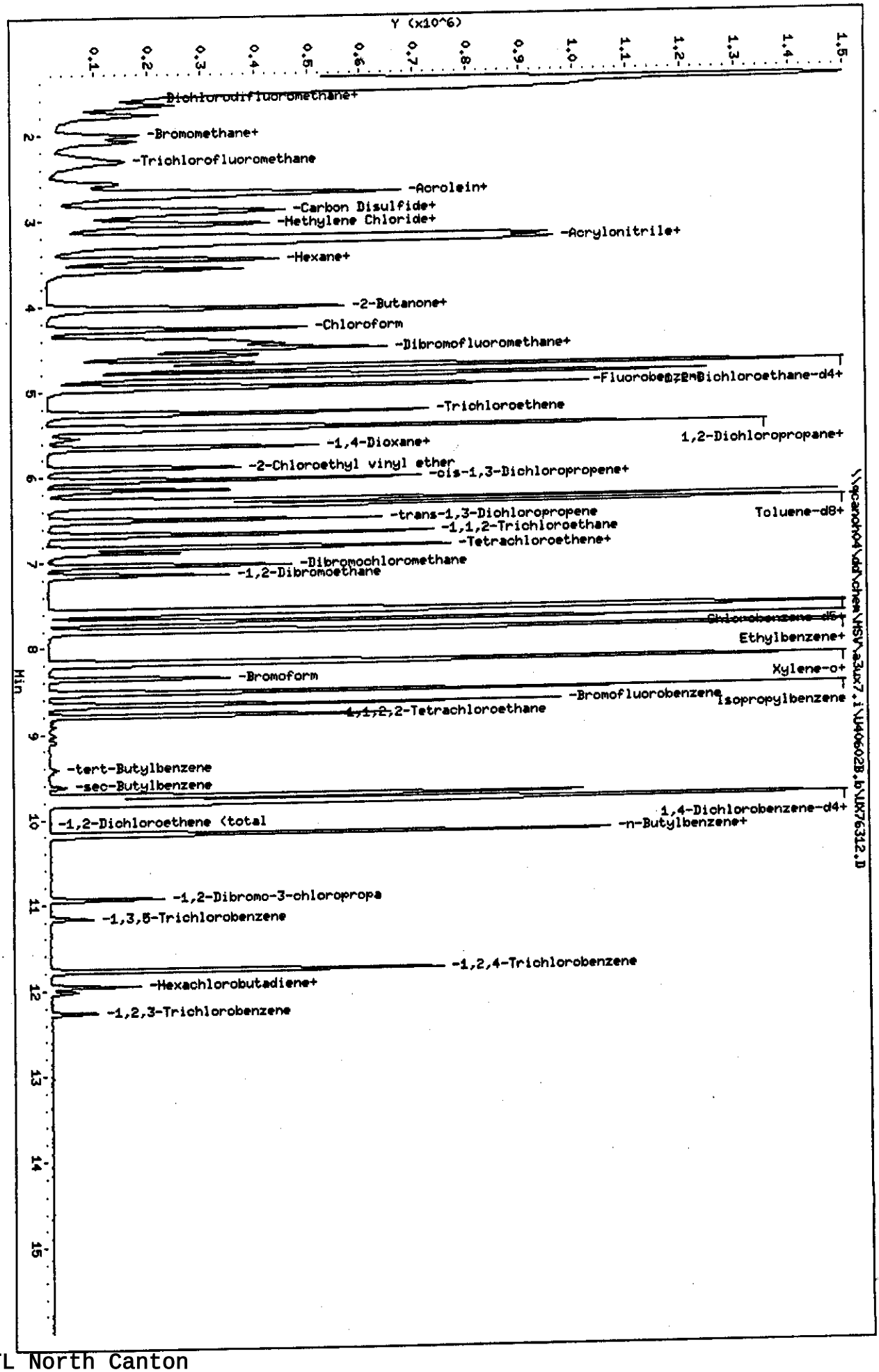
Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76312.D
Report Date: 02-Jun-2004 15:35

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
M 63 Xylenes (total)	30.000	29.179	97.26	45-155
64 Xylene-o	10.000	9.700	97.00	45-155
32 cis-1,2-dichloroet	10.000	9.032	90.32	45-155
25 trans-1,2-Dichloro	10.000	9.311	93.11	45-155
8 Dichlorodifluorome	10.000	9.003	90.03	45-155
13 Trichlorofluoromet	10.000	8.853	88.53	45-155
18 Freon-113	10.000	10.929	109.29	45-155
24 Methyl tert-butyl	10.000	7.882	78.82	45-155
58 1,2-Dibromoethane	10.000	9.164	91.64	45-155
67 Isopropylbenzene	10.000	10.163	101.63	45-155
80 1,3-Dichlorobenzen	10.000	9.116	91.16	45-155
81 1,4-Dichlorobenzen	10.000	9.588	95.88	45-155
83 1,2-Dichlorobenzen	10.000	9.288	92.88	45-155
84 1,2-Dibromo-3-chlo	10.000	9.519	95.19	45-155
85 1,2,4-Trichloroben	10.000	10.255	102.55	45-155
98 Cyclohexane	10.000	9.998	99.98	45-155
143 Methyl Acetate	10.000	9.453	94.53	45-155
144 Methylcyclohexane	10.000	10.060	100.60	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.317	93.17	73-122
$ 5 1,2-Dichloroethane	10.000	9.221	92.21	61-128
$ 6 Toluene-d8	10.000	10.046	100.46	76-110
$ 7 Bromofluorobenzene	10.000	9.676	96.76	74-116

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U406028.b\UX76312.D
Date : 02-JUN-2004 14:43
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76312.D
Report Date: 02-Jun-2004 15:34

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76312.D
Lab Smp Id: ICV
Inj Date : 02-JUN-2004 14:43
Operator : 1754 Inst ID: a3ux7.i
Smp Info : ICV
Misc Info : U40602B,N8260UX7-3,1-8260.SUB,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\N8260UX7-3.m
Meth Date : 02-Jun-2004 15:15 roachc Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 7 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.955	4.952	(1.000)	1272144	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.567	(1.000)	1014394	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.795	9.791	(1.000)	484934	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.395	(0.888)	267425	46.5842	9.317
$ 5 1,2-Dichloroethane-d4	65	4.671	4.668	(0.943)	364470	46.1062	9.221
$ 6 Toluene-d8	98	6.281	6.277	(0.830)	1133994	50.2296	10.046
$ 7 Bromofluorobenzene	95	8.671	8.667	(1.145)	380395	48.3813	9.676
8 Dichlorodifluoromethane	85	1.583	1.579	(0.320)	304365	45.0160	9.003
9 Chloromethane	50	1.666	1.674	(0.336)	462131	38.3168	7.663
10 Vinyl Chloride	62	1.772	1.780	(0.358)	424055	40.0700	8.014
11 Bromomethane	94	2.009	2.017	(0.405)	229270	40.2316	8.046
12 Chloroethane	64	2.080	2.076	(0.420)	235874	37.2234	7.445
13 Trichlorofluoromethane	101	2.328	2.313	(0.470)	425429	44.2674	8.853
15 Acrolein	56	2.577	2.573	(0.520)	341968	240.537	48.107
16 Acetone	43	2.683	2.680	(0.542)	166613	40.0313	8.006
17 1,1-Dichloroethene	96	2.683	2.692	(0.542)	299646	50.0254	10.005
18 Freon-113	151	2.695	2.703	(0.544)	236142	54.6435	10.929
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76312.D
Report Date: 02-Jun-2004 15:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.885	2.881	(0.582)	1109244	48.7722	9.754
	21 Methylene Chloride	84	3.050	3.047	(0.616)	373365	45.5404	9.108
	22 Acetonitrile	41	2.908	2.893	(0.587)	510909	498.292	99.658
	23 Acrylonitrile	53	3.204	3.200	(0.647)	1399482	452.390	90.478
	24 Methyl tert-butyl ether	73	3.275	3.271	(0.661)	834472	39.4099	7.882
	25 trans-1,2-Dichloroethene	96	3.263	3.259	(0.659)	333009	46.5564	9.311
	26 Hexane	86	3.464	3.461	(0.699)	62620	53.2115	10.642
	27 Vinyl acetate	43	3.464	3.591	(0.699)	213510	14.6252	2.925
	28 1,1-Dichloroethane	63	3.571	3.579	(0.721)	581509	45.0303	9.006
	29 tert-Butyl Alcohol	59	3.121	3.106	(0.630)	47037	102.190	20.438
	30 2-Butanone	43	4.020	4.017	(0.811)	177069	38.1756	7.635
M	31 1,2-Dichloroethene (total)	96				661742	91.7183	18.344
	32 cis-1,2-dichloroethene	96	4.032	4.029	(0.814)	328733	45.1619	9.032
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.269	4.277	(0.862)	536005	44.2364	8.847
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.446	4.443	(0.897)	446904	45.0813	9.016
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.588	4.585	(0.926)	385194	47.3734	9.475
	40 1,2-Dichloroethane	62	4.730	4.727	(0.955)	434481	44.7630	8.953
	41 Benzene	78	4.730	4.739	(0.955)	1377957	45.7961	9.159
	42 Trichloroethene	130	5.251	5.259	(1.060)	317567	44.7237	8.945
	43 1,2-Dichloropropane	63	5.429	5.437	(1.096)	337323	45.2405	9.048
	44 1,4-Dioxane	88	5.547	5.543	(1.119)	67657	1130.94	226.19(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.653	5.662	(1.141)	410237	44.5122	8.902
	47 2-Chloroethyl vinyl ether	63	5.902	5.898	(1.191)	193861	46.2968	9.259
	48 cis-1,3-Dichloropropene	75	6.032	6.040	(1.217)	493315	45.5713	9.114
	49 4-Methyl-2-pentanone	43	6.150	6.159	(1.241)	302552	43.4400	8.688
	50 Toluene	91	6.340	6.336	(0.837)	1380375	47.8262	9.565
	51 trans-1,3-Dichloropropene	75	6.505	6.514	(0.859)	422498	45.4903	9.098
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.671	6.679	(0.881)	272896	43.6791	8.736
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.837	6.833	(0.903)	230824	46.1873	9.237
	56 2-Hexanone	43	6.884	6.892	(0.909)	214683	37.1803	7.436
	57 Dibromochloromethane	129	7.038	7.034	(0.930)	284605	44.1624	8.832
	58 1,2-Dibromoethane	107	7.144	7.141	(0.944)	273662	45.8205	9.164
	59 Chlorobenzene	112	7.594	7.602	(1.003)	817519	45.2739	9.055
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.700	7.697	(1.017)	425746	48.0041	9.601
	62 m + p-Xylene	106	7.807	7.803	(1.031)	1081503	97.3954	19.479
M	63 Xylenes (total)	106				1595629	145.896	29.179
	64 Xylene-o	106	8.174	8.182	(1.080)	514126	48.5008	9.700
	65 Styrene	104	8.186	8.182	(1.081)	914588	47.9737	9.595
	66 Bromoform	173	8.363	8.359	(1.105)	198152	46.1124	9.222

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602B.b\UX76312.D
Report Date: 02-Jun-2004 15:34

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.529	8.525	(1.127)	1111159	50.8149	10.163
68 1,1,2,2-Tetrachloroethane	83	8.789	8.797	(0.897)	366548	47.0057	9.401
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	9.416	9.413	(0.961)	12508	0.91231	0.1825
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	9.617	9.626	(0.982)	27911	1.40233	0.2805
79 4-Isopropyltoluene	119	9.759	9.768	(0.996)	25493	1.55824	0.3116
80 1,3-Dichlorobenzene	146	9.736	9.732	(0.994)	534770	45.5820	9.116
81 1,4-Dichlorobenzene	146	9.819	9.815	(1.002)	597511	47.9405	9.588
82 n-Butylbenzene	91	10.162	10.170	(1.037)	53475	3.74359	0.7487
83 1,2-Dichlorobenzene	146	10.185	10.182	(1.040)	549207	46.4425	9.288
84 1,2-Dibromo-3-chloropropane	157	10.943	10.939	(1.117)	70632	47.5938	9.519
85 1,2,4-Trichlorobenzene	180	11.783	11.779	(1.203)	301622	51.2739	10.255
86 Hexachlorobutadiene	225	11.960	11.957	(1.221)	42487	13.6686	2.734
87 Naphthalene	128	12.019	12.016	(1.227)	51992	7.64660	1.529
88 1,2,3-Trichlorobenzene	180	12.268	12.264	(1.252)	37210	6.64021	1.328
98 Cyclohexane	56	4.506	4.514	(0.909)	483883	49.9922	9.998
143 Methyl Acetate	43	2.944	2.940	(0.594)	262535	47.2675	9.453
144 Methylcyclohexane	83	5.440	5.437	(1.098)	369185	50.3017	10.060
141 1,3,5-Trichlorobenzene	180	11.167	11.164	(1.140)	32680	4.79841	0.9597

QC Flag Legend

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

Report Date: 01-Jul-2004 09:37

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\N8260UX7-3.m
Start Cal Date: 20-APR-2004 14:54
End Cal Date : 02-JUN-2004 14:12
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.000		
21-APR-2004 09:38	3-IX	UX74908.D
02-JUN-2004 12:14	1-8260	UX76306.D
Cal Level: 2 , Cal Amount: 10.000		
21-APR-2004 10:02	3-IX	UX74909.D
02-JUN-2004 12:38	1-8260	UX76307.D
Cal Level: 3 , Cal Amount: 25.000		
21-APR-2004 10:26	3-IX	UX74910.D
02-JUN-2004 13:01	1-8260	UX76308.D
Cal Level: 4 , Cal Amount: 50.000		
21-APR-2004 10:50	3-IX	UX74911.D
02-JUN-2004 13:25	1-8260	UX76309.D
Cal Level: 5 , Cal Amount: 100.00		
21-APR-2004 11:13	3-IX	UX74912.D
02-JUN-2004 13:48	1-8260	UX76310.D
Cal Level: 6 , Cal Amount: 200.00		
21-APR-2004 11:55	3-IX	UX74913.D
02-JUN-2004 14:12	1-8260	UX76311.D

Continuing Calibration

30-JUN-2004 10:58	1-8260	UX77265.D
~~30-JUN-2004 10:11~~	~~1-8260~~	~~UX77263.D~~ 6/30/04
30-JUN-2004 09:47	3-IX	UX77262.D

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b\UX77265.D
Report Date: 30-Jun-2004 11:28

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX77265.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b\N8260UX7-3.m

Injection Date: 30-JUN-2004 10:58
Init. Cal. Date(s): 20-APR-2004 02-JUN-2004
Init. Cal. Times: 14:54 14:12
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	4 Dibromofluoromethane	0.22563	0.20918	0.010	-7.3	50.0	
$	5 1,2-Dichloroethane-d4	0.31070	0.31559	0.010	1.6	50.0	
$	6 Toluene-d8	1.11279	1.19595	0.010	7.5	50.0	
$	7 Bromofluorobenzene	0.38754	0.41611	0.010	7.4	50.0	
	8 Dichlorodifluoromethane	0.26574	0.21740	0.010	-18.2	50.0	
	9 Chloromethane	0.47403	0.42426	0.100	-10.5	50.0	
	10 Vinyl Chloride	0.41595	0.34290	0.010	-17.6	20.0	
	11 Bromomethane	50.00000	39.55160	0.010	20.9	50.0	
	12 Chloroethane	0.24906	0.22174	0.010	-11.0	50.0	
	13 Trichlorofluoromethane	0.37773	0.38107	0.010	0.9	50.0	
	15 Acrolein	0.05588	0.05410	0.010	-3.2	50.0	
	16 Acetone	100	122	0.010	-22.1	50.0	
	17 1,1-Dichloroethene	0.23542	0.23587	0.010	0.2	20.0	
	18 Freon-113	0.16985	0.15645	0.010	-7.9	50.0	
	19 Iodomethane	0.38516	0.33430	0.010	-13.2	50.0	
	20 Carbon Disulfide	0.89390	0.89437	0.010	0.1	50.0	
	21 Methylene Chloride	50.00000	46.04829	0.010	7.9	50.0	
	22 Acetonitrile	0.04030	0.04463	0.010	10.8	50.0	
	23 Acrylonitrile	0.12159	0.12473	0.010	2.6	50.0	
	24 Methyl tert-butyl ether	0.83222	1.60188	0.010	92.5	50.0	<-
	25 trans-1,2-Dichloroethene	0.28113	0.28038	0.010	-0.3	50.0	
	26 Hexane	50.00000	48.77811	0.010	2.4	20.0	
	27 Vinyl acetate	0.57378	0.61990	0.010	8.0	50.0	
	28 1,1-Dichloroethane	0.50756	0.53524	0.100	5.5	50.0	
	29 tert-Butyl Alcohol	0.01809	0.01892	0.010	4.6	50.0	
	30 2-Butanone	0.18230	0.20679	0.010	13.4	50.0	
M	31 1,2-Dichloroethene (total)	0.28361	0.28067	0.010	-1.0	50.0	
	32 cis-1,2-dichloroethene	0.28609	0.28097	0.010	-1.8	50.0	
	33 2,2-Dichloropropane	0.32068	0.37911	0.010	18.2	50.0	
	34 Bromochloromethane	0.14155	0.13068	0.010	-7.7	50.0	
	35 Chloroform	0.47624	0.48644	0.010	2.1	20.0	
	36 Tetrahydrofuran	0.07595	0.08754	0.010	15.3	50.0	
	37 1,1,1-Trichloroethane	0.38963	0.39977	0.010	2.6	50.0	
	38 1,1-Dichloropropene	0.34871	0.37732	0.010	8.2	50.0	
	39 Carbon Tetrachloride	0.31958	0.33877	0.010	6.0	50.0	
	40 1,2-Dichloroethane	0.38149	0.42961	0.010	12.6	50.0	

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b\UX77265.D
Report Date: 30-Jun-2004 11:28

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX77265.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b\N8260UX7-3.m

Injection Date: 30-JUN-2004 10:58
Init. Cal. Date(s): 20-APR-2004 02-JUN-2004
Init. Cal. Times: 14:54 14:12
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	41 Benzene	1.18261	1.18038	0.010	-0.2	50.0	
	42 Trichloroethene	0.27908	0.26352	0.010	-5.6	50.0	
	43 1,2-Dichloropropane	0.29306	0.30309	0.010	3.4	20.0	
	44 1,4-Dioxane	0.00235	0.00232	0.010	-1.5	50.0	<-
	45 Dibromomethane	0.15907	0.15859	0.010	-0.3	50.0	
	46 Bromodichloromethane	0.36223	0.36459	0.010	0.7	50.0	
	47 2-Chloroethyl vinyl ether	0.16458	0.14753	0.010	-10.4	50.0	
	48 cis-1,3-Dichloropropene	0.42547	0.42946	0.010	0.9	50.0	
	49 4-Methyl-2-pentanone	0.27374	0.32032	0.010	17.0	50.0	
	50 Toluene	1.42264	1.63939	0.010	15.2	20.0	
	51 trans-1,3-Dichloropropene	0.45779	0.54280	0.010	18.6	50.0	
	52 Ethyl Methacrylate	0.41398	0.50777	0.010	22.7	50.0	
	53 1,1,2-Trichloroethane	0.30795	0.34096	0.010	10.7	50.0	
	54 1,3-Dichloropropane	0.55092	0.64667	0.010	17.4	50.0	
	55 Tetrachloroethene	0.24633	0.23442	0.010	-4.8	50.0	
	56 2-Hexanone	0.28461	0.38862	0.010	36.5	50.0	
	57 Dibromochloromethane	0.31765	0.33574	0.010	5.7	50.0	
	58 1,2-Dibromoethane	0.29439	0.33251	0.010	12.9	50.0	
	59 Chlorobenzene	0.89005	0.98343	0.300	10.5	50.0	
	60 1,1,1,2-Tetrachloroethane	0.31828	0.35521	0.010	11.6	50.0	
	61 Ethylbenzene	0.43716	0.49193	0.010	12.5	20.0	
	62 m + p-Xylene	0.54733	0.63768	0.010	16.5	50.0	
M	63 Xylenes (total)	0.53906	0.62649	0.010	16.2	50.0	
	64 Xylene-o	0.52250	0.60410	0.010	15.6	50.0	
	65 Styrene	0.93969	1.11833	0.010	19.0	50.0	
	66 Bromoform	0.21181	0.18260	0.100	-13.8	50.0	
	67 Isopropylbenzene	1.07783	1.24720	0.010	15.7	50.0	
	68 1,1,2,2-Tetrachloroethane	0.80402	1.02559	0.300	27.6	50.0	
	69 1,4-Dichloro-2-butene	0.21217	0.24927	0.010	17.5	50.0	
	70 1,2,3-Trichloropropane	0.25798	0.32093	0.010	24.4	50.0	
	71 Bromobenzene	0.71933	0.79368	0.010	10.3	50.0	
	72 n-Propylbenzene	0.58191	0.75370	0.010	29.5	50.0	
	73 2-Chlorotoluene	0.58074	0.76452	0.010	31.6	50.0	
	74 1,3,5-Trimethylbenzene	1.82667	2.56062	0.010	40.2	50.0	
	75 4-Chlorotoluene	0.61309	0.81925	0.010	33.6	50.0	
	76 tert-Butylbenzene	1.41362	1.86364	0.010	31.8	50.0	

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b\UX77265.D
Report Date: 30-Jun-2004 11:28

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i Injection Date: 30-JUN-2004 10:58
Lab File ID: UX77265.D Init. Cal. Date(s): 20-APR-2004 02-JUN-2004
Analysis Type: WATER Init. Cal. Times: 14:54 14:12
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b\N8260UX7-3.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	1.91286	2.65216	0.010	38.6	50.0
78 sec-Butylbenzene	2.05217	2.75008	0.010	34.0	50.0
79 4-Isopropyltoluene	1.68684	2.21862	0.010	31.5	50.0
80 1,3-Dichlorobenzene	1.20965	1.37341	0.010	13.5	50.0
81 1,4-Dichlorobenzene	1.28508	1.45802	0.010	13.5	50.0
82 n-Butylbenzene	1.47282	1.92964	0.010	31.0	50.0
83 1,2-Dichlorobenzene	1.21929	1.37576	0.010	12.8	50.0
84 1,2-Dibromo-3-chloropropane	0.15302	0.15324	0.010	0.1	50.0
85 1,2,4-Trichlorobenzene	0.60653	0.56976	0.010	-6.1	50.0
86 Hexachlorobutadiene	0.32049	0.27522	0.010	-14.1	50.0
87 Naphthalene	50.00000	44.77825	0.010	10.4	50.0
88 1,2,3-Trichlorobenzene	0.57778	0.49166	0.010	-14.9	50.0
98 Cyclohexane	0.38043	0.43479	0.010	14.3	50.0
143 Methyl Acetate	0.21830	0.23600	0.010	8.1	50.0
144 Methylcyclohexane	0.28847	0.30683	0.010	6.4	50.0
141 1,3,5-Trichlorobenzene	0.70222	0.69238	0.010	-1.4	50.0

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b/UX77265.D
Report Date: 06/30/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77265.D
Analysis Type: WATER

Injection Date: 30-JUN-2004 10:58
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	55.2461	10.5	50.0
0 Bromodichloromethane	50.0000	50.3254	0.7	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	63.7785	27.6	50.0
0 Bromoform	50.0000	43.1051	13.8	50.0
0 Styrene	50.0000	59.5052	19.0	50.0
0 Xylene-o	50.0000	57.8093	15.6	50.0
0 Xylenes (total)	150.0000	174.3164	16.2	50.0
0 2-Hexanone	100.0000	136.5446	36.5	50.0
0 Chloromethane	50.0000	44.7503	10.5	50.0
0 Vinyl Chloride	50.0000	41.2193	17.6	20.0
0 Bromomethane	50.0000	39.5516	20.9	50.0
0 Chloroethane	50.0000	44.5157	11.0	50.0
0 1,1-Dichloroethane	50.0000	52.7274	5.5	50.0
0 Tetrachloroethene	50.0000	47.5828	4.8	50.0
0 Acetone	100.0000	122.0897	22.1	50.0
0 1,1-Dichloroethene	50.0000	50.0951	0.2	20.0
0 m + p-Xylene	100.0000	116.5071	16.5	50.0
0 Ethylbenzene	50.0000	56.2654	12.5	20.0
0 Carbon Disulfide	50.0000	50.0266	0.1	50.0
0 Methylene Chloride	50.0000	46.0483	7.9	50.0
0 1,2-Dichloropropane	50.0000	51.7114	3.4	20.0
0 1,1,2-Trichloroethane	50.0000	55.3581	10.7	50.0
0 Dibromochloromethane	50.0000	52.8462	5.7	50.0
0 trans-1,2-Dichloroethene	50.0000	49.8668	0.3	50.0
0 trans-1,3-Dichloropropene	50.0000	59.2850	18.6	50.0
0 cis-1,3-Dichloropropene	50.0000	50.4697	0.9	50.0
0 Chloroform	50.0000	51.0709	2.1	20.0
0 Toluene	50.0000	57.6178	15.2	20.0
0 2-Butanone	100.0000	113.4331	13.4	50.0
0 1,2-Dichloroethene (total)	100.0000	98.9711	1.0	50.0
0 cis-1,2-dichloroethene	50.0000	49.1043	1.8	50.0
0 4-Methyl-2-pentanone	100.0000	117.0152	17.0	50.0
0 1,2-Dichloroethane	50.0000	56.3069	12.6	50.0
0 Trichloroethene	50.0000	47.2128	5.6	50.0
0 1,1,1-Trichloroethane	50.0000	51.3011	2.6	50.0
0 Carbon Tetrachloride	50.0000	53.0018	6.0	50.0
0 Benzene	50.0000	49.9056	0.2	50.0
38 Dichlorodifluoromethane	50.0000	40.9050	18.2	50.0
39 Trichlorofluoromethane	50.0000	50.4432	0.9	50.0

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b/UX77265.D
Report Date: 06/30/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux7.i
Lab File ID: UX77265.D
Analysis Type: WATER

Injection Date: 30-JUN-2004 10:58
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
40 Acrolein	500.0000	484.0603	3.2	50.0	
41 Acrylonitrile	500.0000	512.9197	2.6	50.0	
42 Vinyl acetate	50.0000	54.0189	8.0	50.0	
43 2-Chloroethyl vinyl ether	100.0000	89.6396	10.4	50.0	
47 Freon-113	50.0000	46.0550	7.9	50.0	
48 1,3-Dichlorobenzene	50.0000	56.7688	13.5	50.0	
49 1,4-Dichlorobenzene	50.0000	56.7287	13.5	50.0	
50 1,2-Dichlorobenzene	50.0000	56.4162	12.8	50.0	
51 Acetonitrile	500.0000	553.7651	10.8	50.0	
52 Iodomethane	50.0000	43.3978	13.2	50.0	
59 1,4-Dioxane	2500.0000	2461.4291	1.5	50.0	
60 Dibromomethane	50.0000	49.8507	0.3	50.0	
62 Ethyl Methacrylate	50.0000	61.3282	22.7	50.0	
63 1,2-Dibromoethane	50.0000	56.4745	12.9	50.0	
64 1,1,1,2-Tetrachloroethane	50.0000	55.8004	11.6	50.0	
65 1,2,3-Trichloropropane	50.0000	62.2004	24.4	50.0	
66 1,4-Dichloro-2-butene	50.0000	58.7427	17.5	50.0	
69 1,2-Dibromo-3-chloropropane	50.0000	50.0733	0.1	50.0	
82 Methyl tert-butyl ether	50.0000	96.2406	92.5	50.0	<-
84 Tetrahydrofuran	50.0000	57.6270	15.3	50.0	
98 2,2-Dichloropropane	50.0000	59.1098	18.2	50.0	
99 1,1-Dichloropropene	50.0000	54.1026	8.2	50.0	
100 1,3-Dichloropropane	50.0000	58.6899	17.4	50.0	
102 Bromobenzene	50.0000	55.1680	10.3	50.0	
103 2-Chlorotoluene	50.0000	65.8235	31.6	50.0	
104 n-Propylbenzene	50.0000	64.7609	29.5	50.0	
105 4-Chlorotoluene	50.0000	66.8137	33.6	50.0	
106 1,3,5-Trimethylbenzene	50.0000	70.0899	40.2	50.0	
107 tert-Butylbenzene	50.0000	65.9170	31.8	50.0	
108 1,2,4-Trimethylbenzene	50.0000	69.3245	38.6	50.0	
109 sec-Butylbenzene	50.0000	67.0044	34.0	50.0	
110 4-Isopropyltoluene	50.0000	65.7625	31.5	50.0	
111 n-Butylbenzene	50.0000	65.5084	31.0	50.0	
112 1,2,4-Trichlorobenzene	50.0000	46.9690	6.1	50.0	
113 Naphthalene	50.0000	44.7783	10.4	50.0	
114 Hexachlorobutadiene	50.0000	42.9362	14.1	50.0	
115 1,2,3-Trichlorobenzene	50.0000	42.5467	14.9	50.0	
124 tert-Butyl Alcohol	1000.0000	1045.8388	4.6	50.0	

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b/UX77265.D
Report Date: 06/30/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

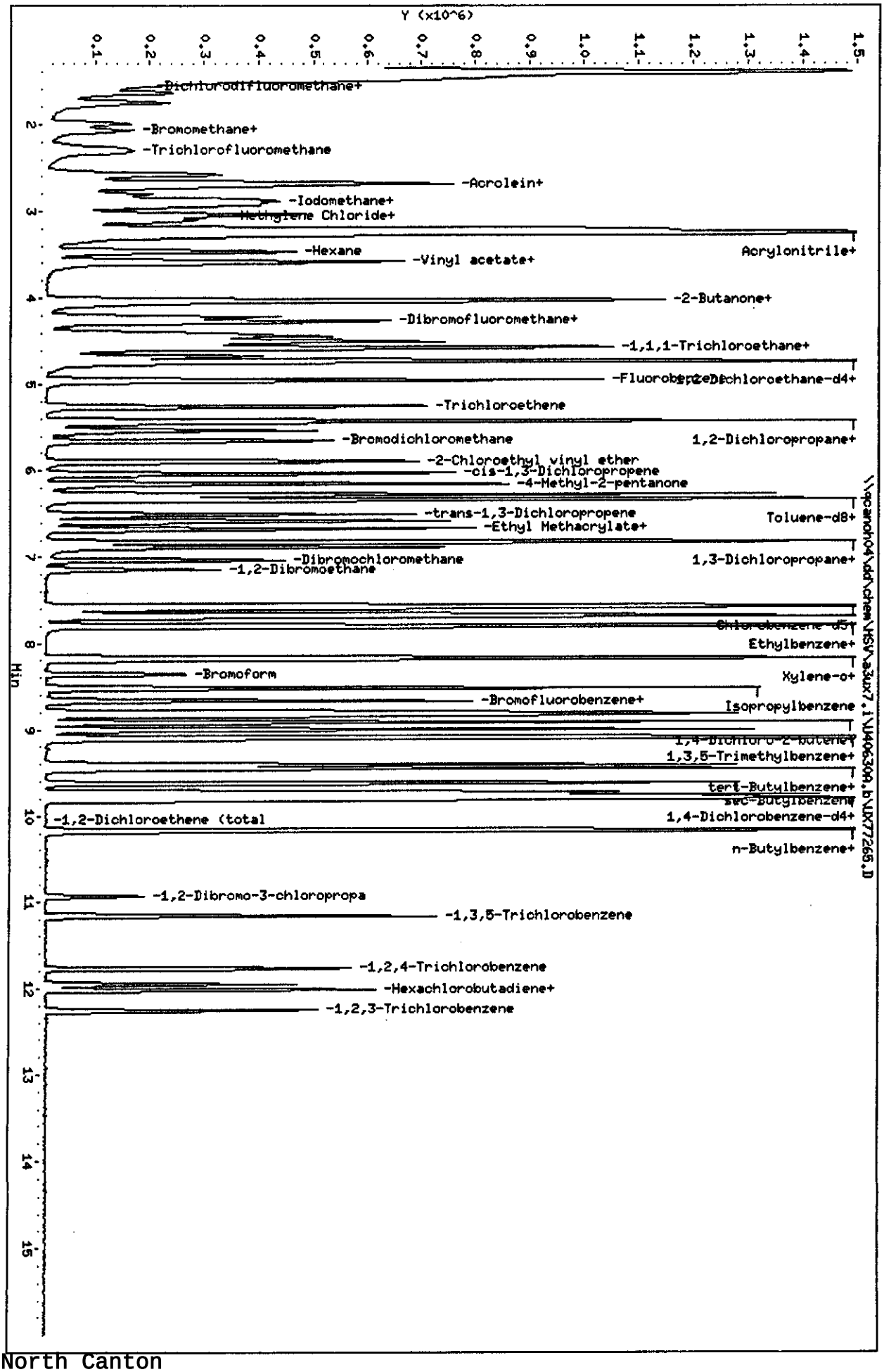
Instrument ID: a3ux7.i
Lab File ID: UX77265.D
Analysis Type: WATER

Injection Date: 30-JUN-2004 10:58
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
125 Hexane	50.0000	48.7781	2.4	20.0
127 Cyclohexane	50.0000	57.1444	14.3	50.0
128 Isopropylbenzene	50.0000	57.8574	15.7	50.0
130 Fluorobenzene	50.0000	50.0000	0.0	50.0
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0
133 Bromochloromethane	50.0000	46.1590	7.7	50.0
141 1,3,5-Trichlorobenzene	50.0000	49.2995	1.4	50.0
143 Methyl Acetate	100.0000	108.1089	8.1	50.0
144 Methylcyclohexane	50.0000	53.1830	6.4	50.0
22 Toluene-d8	50.0000	53.7363	7.5	50.0
32 Bromofluorobenzene	50.0000	53.6856	7.4	50.0
47 1,2-Dichloroethane-d4	50.0000	50.7869	1.6	50.0
131 Dibromofluoromethane	50.0000	46.3545	7.3	50.0

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U406300.b\UX77265.D
Date : 30-JUN-2004 10:58
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77265.D
Report Date: 01-Jul-2004 09:42

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77265.D
Lab Smp Id: 50NG-CC
Inj Date : 30-JUN-2004 10:58
Operator : 43582 Inst ID: a3ux7.i
Smp Info : 50NG-CC
Misc Info : U40630A,N8260UX7-3,1-8260.SUB,43582,2
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b\N8260UX7-3.m
Meth Date : 01-Jul-2004 09:41 evansl Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.955	4.955	(1.000)	1115725	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.570	(1.000)	793940	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.794	(1.000)	350026	50.0000	
$ 4 Dibromofluoromethane	113	4.398	4.398	(0.888)	233386	50.0000	46.354
$ 5 1,2-Dichloroethane-d4	65	4.671	4.671	(0.943)	352107	50.0000	50.787
$ 6 Toluene-d8	98	6.280	6.280	(0.830)	949511	50.0000	53.736
$ 7 Bromofluorobenzene	95	8.670	8.670	(1.145)	330366	50.0000	53.686
8 Dichlorodifluoromethane	85	1.570	1.570	(0.317)	242563	50.0000	40.905
9 Chloromethane	50	1.641	1.641	(0.331)	473361	50.0000	44.750
10 Vinyl Chloride	62	1.748	1.748	(0.353)	382582	50.0000	41.219
11 Bromomethane	94	1.996	1.996	(0.403)	197994	50.0000	39.552
12 Chloroethane	64	2.067	2.067	(0.417)	247399	50.0000	44.516
13 Trichlorofluoromethane	101	2.304	2.304	(0.465)	425174	50.0000	50.443
15 Acrolein	56	2.576	2.576	(0.520)	603563	500.000	484.06
16 Acetone	43	2.683	2.683	(0.541)	410106	100.000	122.09
17 1,1-Dichloroethene	96	2.683	2.683	(0.541)	263168	50.0000	50.095
18 Freon-113	151	2.695	2.695	(0.544)	174555	50.0000	46.055

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77265.D
Report Date: 01-Jul-2004 09:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	2.801	2.801	(0.565)	372987	50.0000	43.398
	20 Carbon Disulfide	76	2.872	2.872	(0.580)	997875	50.0000	50.026
	21 Methylene Chloride	84	3.038	3.038	(0.613)	330710	50.0000	46.048
	22 Acetonitrile	41	2.908	2.908	(0.587)	497973	500.000	553.76
	23 Acrylonitrile	53	3.203	3.203	(0.647)	1391631	500.000	512.92
	24 Methyl tert-butyl ether	73	3.263	3.263	(0.659)	1787253	50.0000	96.241
	25 trans-1,2-Dichloroethene	96	3.251	3.251	(0.656)	312830	50.0000	49.867
	26 Hexane	86	3.464	3.464	(0.699)	50094	50.0000	48.777
	27 Vinyl acetate	43	3.594	3.594	(0.725)	691642	50.0000	54.019
	28 1,1-Dichloroethane	63	3.570	3.570	(0.721)	597185	50.0000	52.727
	29 tert-Butyl Alcohol	59	3.109	3.109	(0.627)	422196	1000.00	1045.8(A)
	30 2-Butanone	43	4.020	4.020	(0.811)	461442	100.000	113.43
M	31 1,2-Dichloroethene (total)	96				626311	100.000	98.971
	32 cis-1,2-dichloroethene	96	4.032	4.032	(0.814)	313481	50.0000	49.104
	33 2,2-Dichloropropane	77	4.044	4.044	(0.816)	422984	50.0000	59.110
	34 Bromochloromethane	128	4.221	4.221	(0.852)	145799	50.0000	46.159
	35 Chloroform	83	4.280	4.280	(0.864)	542730	50.0000	51.071
	36 Tetrahydrofuran	42	4.256	4.256	(0.859)	97666	50.0000	57.626
	37 1,1,1-Trichloroethane	97	4.446	4.446	(0.897)	446031	50.0000	51.301
	38 1,1-Dichloropropene	75	4.564	4.564	(0.921)	420983	50.0000	54.102
	39 Carbon Tetrachloride	117	4.588	4.588	(0.926)	377969	50.0000	53.002
	40 1,2-Dichloroethane	62	4.730	4.730	(0.955)	479328	50.0000	56.307
	41 Benzene	78	4.730	4.730	(0.955)	1316976	50.0000	49.906
	42 Trichloroethene	130	5.262	5.262	(1.062)	294021	50.0000	47.213
	43 1,2-Dichloropropane	63	5.428	5.428	(1.096)	338163	50.0000	51.711
	44 1,4-Dioxane	88	5.534	5.534	(1.117)	129146	2500.00	2461.4(A)
	45 Dibromomethane	93	5.534	5.534	(1.117)	176948	50.0000	49.850
	46 Bromodichloromethane	83	5.653	5.653	(1.141)	406783	50.0000	50.325
	47 2-Chloroethyl vinyl ether	63	5.901	5.901	(1.191)	329200	100.000	89.639
	48 cis-1,3-Dichloropropene	75	6.031	6.031	(1.217)	479164	50.0000	50.470
	49 4-Methyl-2-pentanone	43	6.150	6.150	(1.241)	714781	100.000	117.02
	50 Toluene	91	6.339	6.339	(0.837)	1301575	50.0000	57.618
	51 trans-1,3-Dichloropropene	75	6.505	6.505	(0.859)	430954	50.0000	59.285
	52 Ethyl Methacrylate	69	6.588	6.588	(0.870)	403138	50.0000	61.328
	53 1,1,2-Trichloroethane	97	6.670	6.670	(0.881)	270698	50.0000	55.358
	54 1,3-Dichloropropane	76	6.824	6.824	(0.902)	513416	50.0000	58.690
	55 Tetrachloroethene	164	6.836	6.836	(0.903)	186118	50.0000	47.583
	56 2-Hexanone	43	6.883	6.883	(0.909)	617079	100.000	136.54
	57 Dibromochloromethane	129	7.037	7.037	(0.930)	266553	50.0000	52.846
	58 1,2-Dibromoethane	107	7.144	7.144	(0.944)	263990	50.0000	56.474
	59 Chlorobenzene	112	7.593	7.593	(1.003)	780787	50.0000	55.246
	60 1,1,1,2-Tetrachloroethane	131	7.664	7.664	(1.013)	282012	50.0000	55.800
	61 Ethylbenzene	106	7.700	7.700	(1.017)	390566	50.0000	56.265
	62 m + p-Xylene	106	7.806	7.806	(1.031)	1012565	100.000	116.51
M	63 Xylenes (total)	106				1492187	150.000	174.32
	64 Xylene-o	106	8.173	8.173	(1.080)	479622	50.0000	57.809
	65 Styrene	104	8.185	8.185	(1.081)	887889	50.0000	59.505

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77265.D
Report Date: 01-Jul-2004 09:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	8.362	8.362	(1.105)	144974	50.0000	43.105
67 Isopropylbenzene	105	8.528	8.528	(1.127)	990206	50.0000	57.857
68 1,1,2,2-Tetrachloroethane	83	8.788	8.788	(0.897)	358982	50.0000	63.778
69 1,4-Dichloro-2-butene	53	8.848	8.848	(0.903)	87249	50.0000	58.742
70 1,2,3-Trichloropropane	110	8.836	8.836	(0.902)	112333	50.0000	62.200
71 Bromobenzene	156	8.812	8.812	(0.900)	277807	50.0000	55.168
72 n-Propylbenzene	120	8.919	8.919	(0.911)	263814	50.0000	64.761
73 2-Chlorotoluene	126	9.001	9.001	(0.919)	267602	50.0000	65.824
74 1,3,5-Trimethylbenzene	105	9.084	9.084	(0.928)	896283	50.0000	70.090
75 4-Chlorotoluene	126	9.108	9.108	(0.930)	286759	50.0000	66.814
76 tert-Butylbenzene	119	9.404	9.404	(0.960)	652323	50.0000	65.917
77 1,2,4-Trimethylbenzene	105	9.451	9.451	(0.965)	928327	50.0000	69.325
78 sec-Butylbenzene	105	9.617	9.617	(0.982)	962601	50.0000	67.004
79 4-Isopropyltoluene	119	9.759	9.759	(0.996)	776575	50.0000	65.762
80 1,3-Dichlorobenzene	146	9.723	9.723	(0.993)	480731	50.0000	56.769
81 1,4-Dichlorobenzene	146	9.818	9.818	(1.002)	510345	50.0000	56.729
82 n-Butylbenzene	91	10.161	10.161	(1.037)	675425	50.0000	65.508
83 1,2-Dichlorobenzene	146	10.185	10.185	(1.040)	481551	50.0000	56.416
84 1,2-Dibromo-3-chloropropane	157	10.942	10.942	(1.117)	53638	50.0000	50.073
85 1,2,4-Trichlorobenzene	180	11.782	11.782	(1.203)	199432	50.0000	46.969
86 Hexachlorobutadiene	225	11.960	11.960	(1.221)	96332	50.0000	42.936
87 Naphthalene	128	12.019	12.019	(1.227)	535283	50.0000	44.778
88 1,2,3-Trichlorobenzene	180	12.267	12.267	(1.252)	172092	50.0000	42.547
98 Cyclohexane	56	4.505	4.505	(0.909)	485101	50.0000	57.144
143 Methyl Acetate	43	2.943	2.943	(0.594)	526631	100.000	108.11
144 Methylcyclohexane	83	5.440	5.440	(1.098)	342337	50.0000	53.183
141 1,3,5-Trichlorobenzene	180	11.167	11.167	(1.140)	242351	50.0000	49.299

QC Flag Legend

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

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b\UX77262.D
Report Date: 30-Jun-2004 10:18

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux7.i
Lab File ID: UX77262.D
Analysis Type: WATER
Lab Sample ID: 50NG-A9CC
Method: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b\N8260UX7-3.m

Injection Date: 30-JUN-2004 09:47
Init. Cal. Date(s): 20-APR-2004 02-JUN-2004
Init. Cal. Times: 14:54 14:12
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
14 Dichlorofluoromethane	0.47191	0.51465	0.010	9.1	50.0	
89 Ethyl Ether	0.23941	0.25890	0.010	8.1	50.0	
91 3-Chloropropene	0.13562	0.14291	0.010	5.4	50.0	
92 Isopropyl Ether	0.23496	0.24568	0.010	4.6	50.0	
93 2-Chloro-1,3-butadiene	0.45636	0.50110	0.010	9.8	50.0	
94 Propionitrile	0.04105	0.04515	0.010	10.0	50.0	
95 Ethyl Acetate	0.27636	0.30010	0.010	8.6	50.0	
96 Methacrylonitrile	0.19966	0.19847	0.010	-0.6	50.0	
97 Isobutanol	1000	1550	0.010	-55.0	50.0	<-
99 n-Butanol	1000	1660	0.010	-66.0	50.0	<-
100 Methyl Methacrylate	0.24614	0.25581	0.010	3.9	50.0	
101 2-Nitropropane	0.07868	0.08254	0.010	4.9	50.0	
103 Cyclohexanone	0.01846	0.03522	0.010	90.8	50.0	<-

Data File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b/UX77262.D
Report Date: 06/30/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

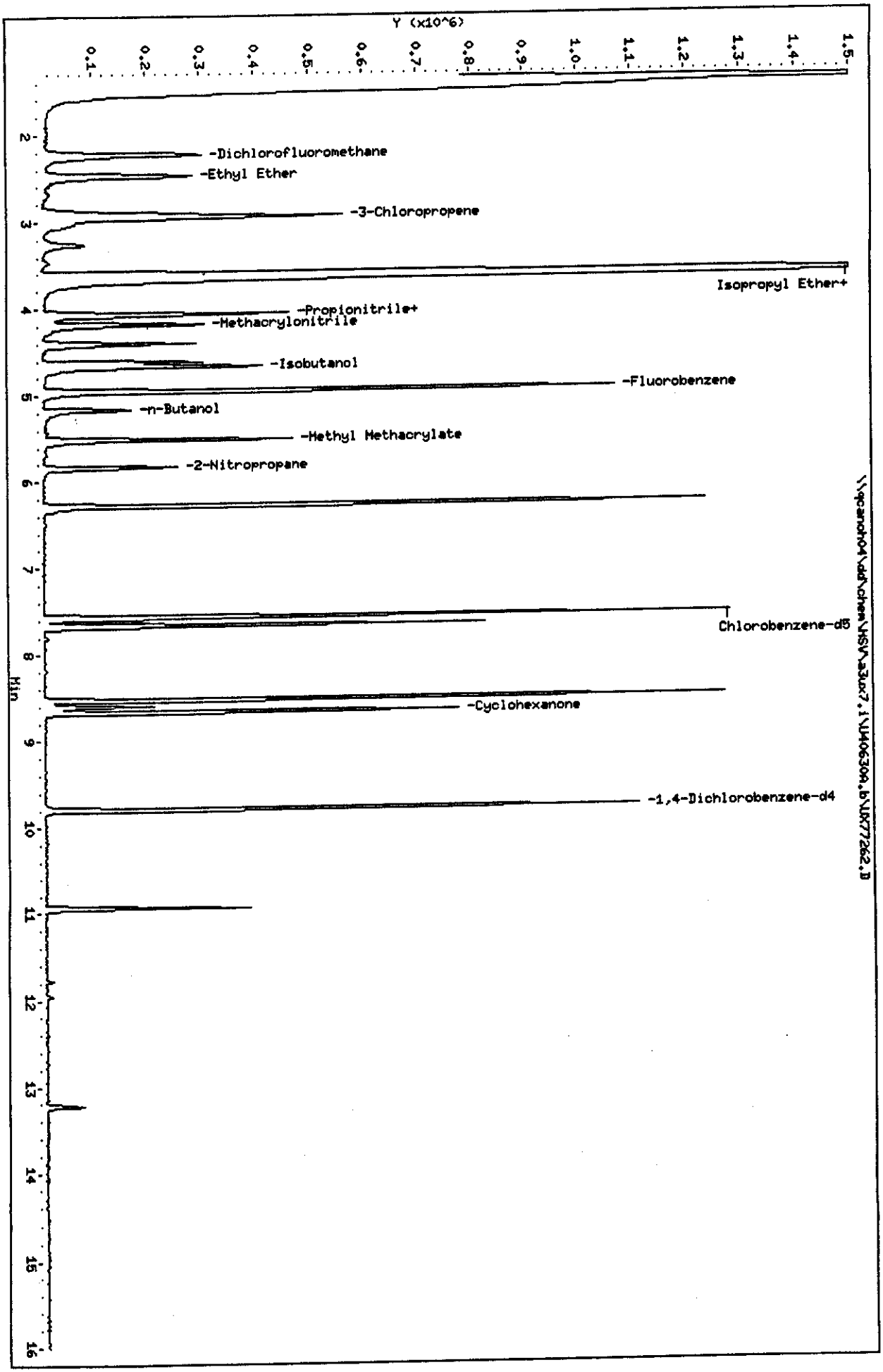
Instrument ID: a3ux7.i
Lab File ID: UX77262.D
Analysis Type: WATER

Injection Date: 30-JUN-2004 09:47
Lab Sample ID: 50NG-A9CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
53 3-Chloropropene	50.0000	52.6856	5.4	50.0	
54 2-Chloro-1,3-butadiene	50.0000	54.9022	9.8	50.0	
55 Propionitrile	100.0000	109.9833	10.0	50.0	
56 Methacrylonitrile	50.0000	49.7019	0.6	50.0	
57 Isobutanol	1000.0000	1550.2456	55.0	50.0	<-
58 Methyl Methacrylate	50.0000	51.9634	3.9	50.0	
73 n-Butanol	1000.0000	1659.5718	66.0	50.0	<-
74 Ethyl Acetate	100.0000	108.5920	8.6	50.0	
75 Cyclohexanone	500.0000	954.1533	90.8	50.0	<-
76 Ethyl Ether	50.0000	54.0724	8.1	50.0	
85 Dichlorofluoromethane	50.0000	54.5275	9.1	50.0	
86 2-Nitropropane	100.0000	104.9151	4.9	50.0	
126 Isopropyl Ether	250.0000	261.4029	4.6	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	

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U406300.b\UX77262.D
Date : 30-JUN-2004 09:47
Client ID:
Sample Info: 50NG-A9CC
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 43582
Column diameter: 0.18



\\qcanoh04\dd\chem\HSV\a3ux7.i\U406300.b\UX77262.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77262.D
Report Date: 30-Jun-2004 10:23

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77262.D
Lab Smp Id: 50NG-A9CC
Inj Date : 30-JUN-2004 09:47
Operator : 43582 Inst ID: a3ux7.i
Smp Info : 50NG-A9CC
Misc Info : U40630A,N8260UX7-3,3-IX.SUB,43582,2
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b\N8260UX7-3.m
Meth Date : 30-Jun-2004 10:23 evansl Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.952	4.952	(1.000)	1116541	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.567	(1.000)	754332	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.792	9.792	(1.000)	291986	50.0000	
14 Dichlorofluoromethane	67	2.231	2.231	(0.451)	574623	50.0000	54.527
89 Ethyl Ether	59	2.468	2.468	(0.498)	289077	50.0000	54.072
91 3-Chloropropene	76	2.941	2.941	(0.594)	159560	50.0000	52.685
92 Isopropyl Ether	87	3.627	3.627	(0.732)	1371538	250.000	261.40(A)
93 2-Chloro-1,3-butadiene	53	3.651	3.651	(0.737)	559497	50.0000	54.902
94 Propionitrile	54	4.065	4.065	(0.821)	100821	100.000	109.98
95 Ethyl Acetate	43	4.065	4.065	(0.821)	670148	100.000	108.59
96 Methacrylonitrile	41	4.183	4.183	(0.845)	221595	50.0000	49.702
97 Isobutanol	41	4.621	4.621	(0.611)	205987	1000.00	1550.2(A)
99 n-Butanol	56	5.165	5.165	(0.683)	126485	1000.00	1659.6(A)
100 Methyl Methacrylate	41	5.509	5.509	(1.112)	285621	50.0000	51.963
101 2-Nitropropane	41	5.828	5.828	(1.177)	184329	100.000	104.91
103 Cyclohexanone	55	8.597	8.597	(0.878)	102848	500.000	954.15(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77262.D
Report Date: 30-Jun-2004 10:23

QC Flag Legend

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

SEVERN TRENT STL

RAW QC DATA

Data File: \\qcanoh04\[illegible]\chem\MSV\a3ux7.i\U40421A.b[illegible]222.D

Page 2

Date : 21-[illegible]R-2004 08:50

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

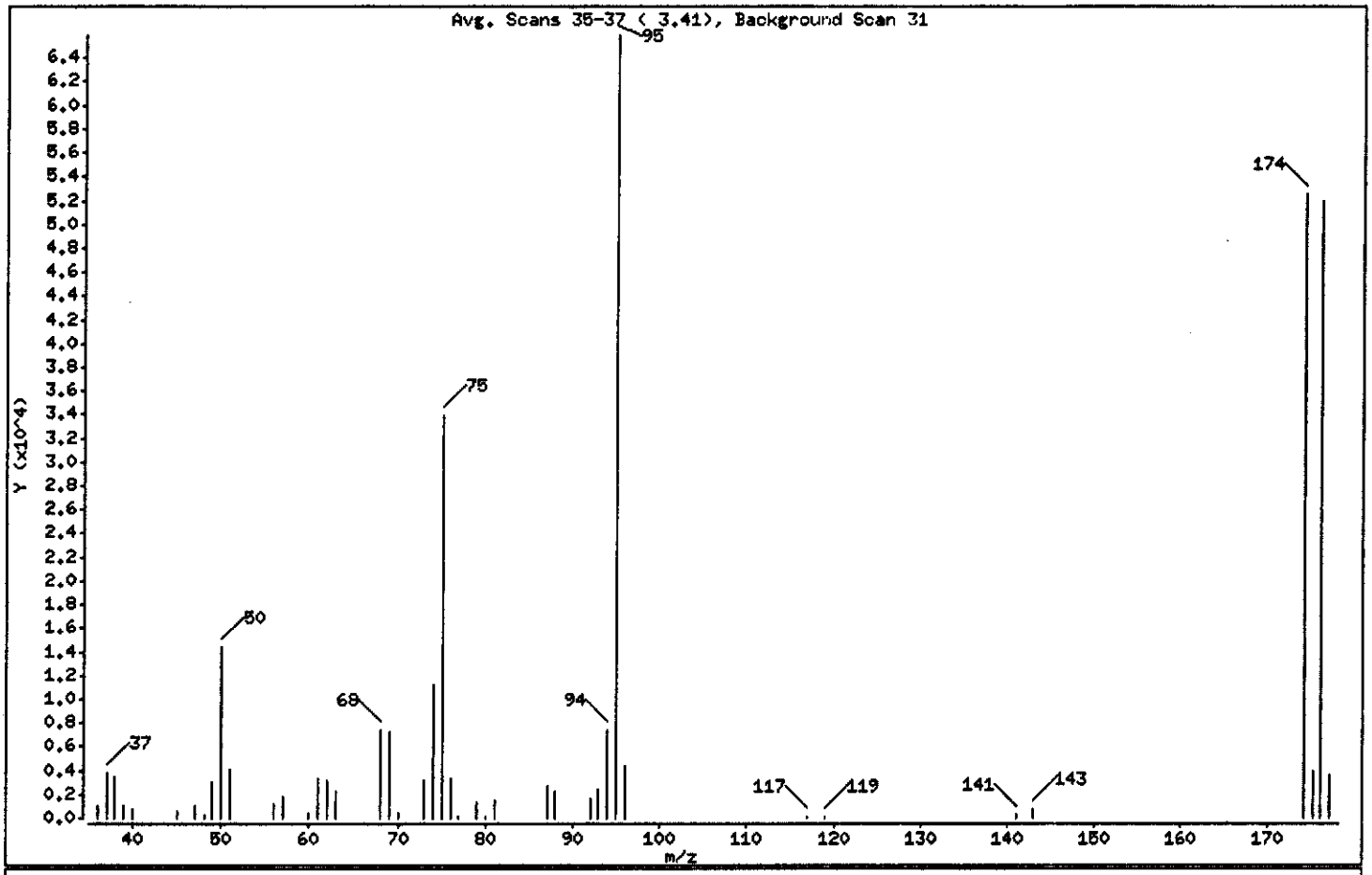
Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.94
75	30.00 - 60.00% of mass 95	51.42
96	5.00 - 9.00% of mass 95	6.69
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	79.79
175	5.00 - 9.00% of mass 174	5.90 (7.39)
176	95.00 - 101.00% of mass 174	78.78 (98.73)
177	5.00 - 9.00% of mass 176	5.50 (6.98)

Data File: \\qcanoh04\dd\chem\MSV\ [illegible].i\U40421A.b\BFB222.D

Date : 21-APR-2004 08:50

Client ID: [illegible]BFB

Instrument: [illegible]

Sample Info:

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

Data File: BFB222.D

Spectrum: Avg. Scans 35-3[illegible] ([illegible].41), Background Scan 31

Location of Maximum: 95.00

Number of points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1037	56.00	1169	75.00	33856	95.00	65856
37.00	3849	57.00	1769	76.00	3371	96.00	4403
38.00	3429	60.00	457	77.00	209	117.00	179
39.00	1112	61.00	3318	79.00	1420	119.00	187
40.00	763	62.00	3195	80.00	199	141.00	287
45.00	651	63.00	2258	81.00	1541	143.00	779
47.00	986	68.00	7390	87.00	2721	174.00	52544
48.00	259	69.00	7289	88.00	2269	175.00	3883
49.00	2980	70.00	416	92.00	1723	176.00	51880
50.00	14448	73.00	3199	93.00	2448	177.00	3621
51.00	4045	74.00	11210	94.00	7449		

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40421A.b\BFB222.D

Date : 21-APR-2004 08:50

Client ID: 50NGBFB

Instrument: a3ux7.i

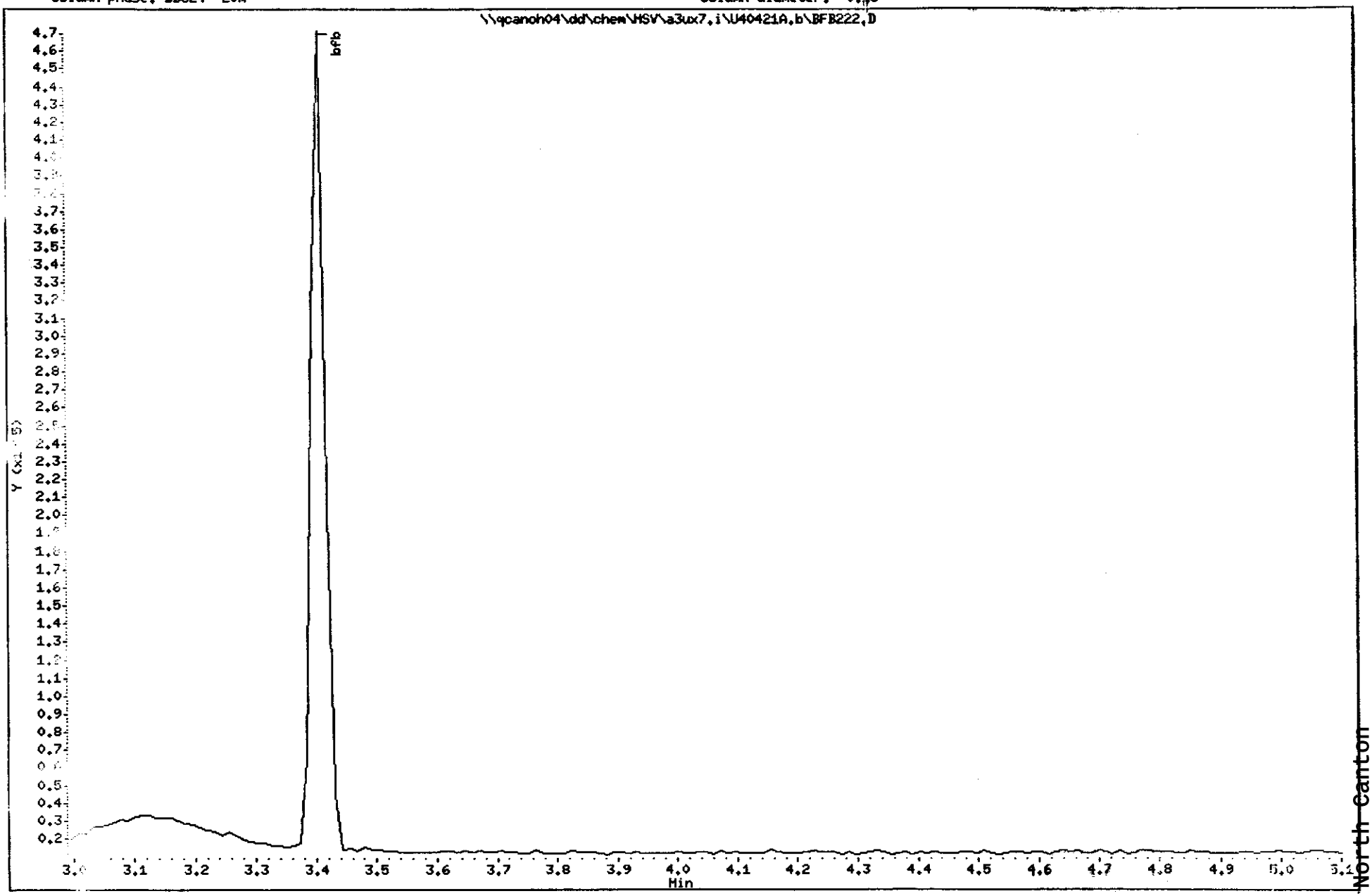
Sample Info:

Volume Injected (uL): 1.0

Operator: 1764

Column phase: DB624 20m

Column diameter: 0.18



STL North Canton

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602ic.b\BFB277.D

Date : 02-JUN-2004 11:51

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

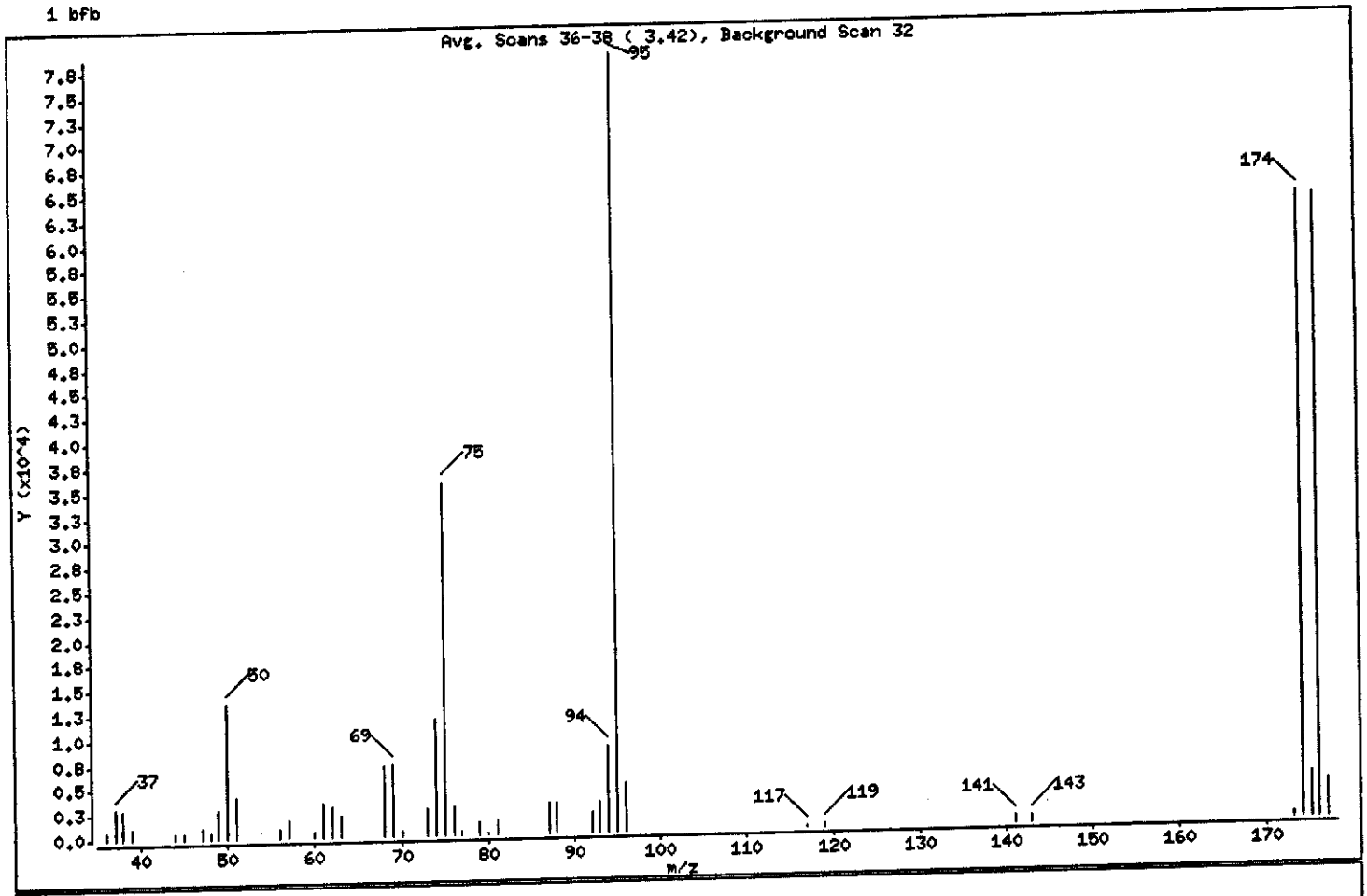
Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.14
75	30.00 - 60.00% of mass 95	45.29
96	5.00 - 9.00% of mass 95	6.19
173	Less than 2.00% of mass 174	0.59 (0.73)
174	50.00 - 100.00% of mass 95	80.54
175	5.00 - 9.00% of mass 174	5.73 (7.12)
176	95.00 - 101.00% of mass 174	80.27 (99.67)
177	5.00 - 9.00% of mass 176	4.85 (6.04)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40602ic.b\BFB277.D

Date : 02-JUN-2004 11:51

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20m

Column diameter: 0.18

Data File: BFB277.D

Spectrum: Avg. Scans 36-38 (3.42), Background Scan 32

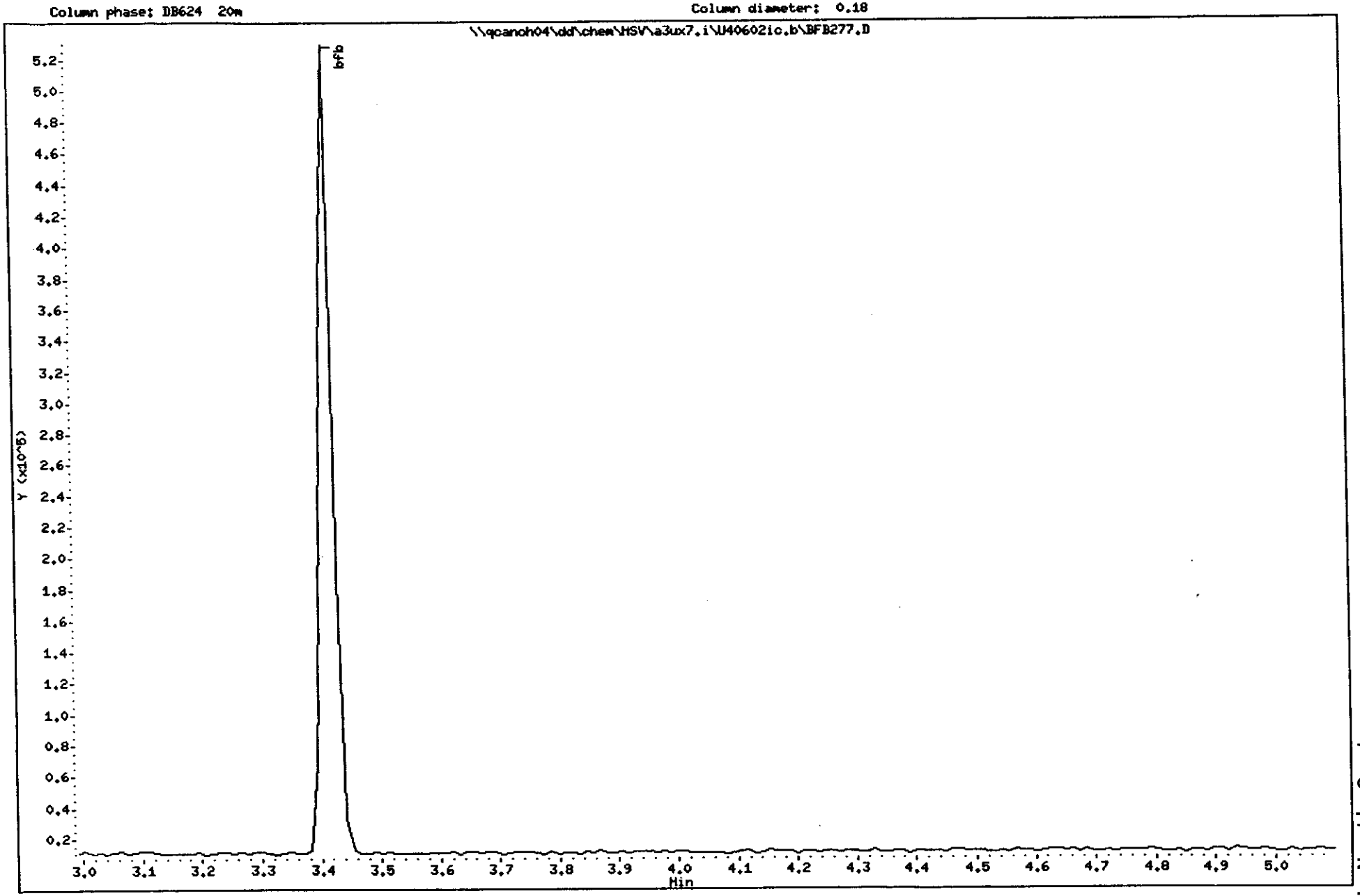
Location of Maximum: 95.00

Number of points: 44

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	659	57.00	1803	77.00	404	119.00	282
37.00	3122	60.00	626	79.00	1304	141.00	669
38.00	2893	61.00	3507	80.00	200	143.00	697
39.00	1051	62.00	3066	81.00	1515	173.00	464
44.00	604	63.00	2115	87.00	3039	174.00	63432
45.00	559	68.00	7047	88.00	3032	175.00	4515
47.00	1083	69.00	7216	92.00	1987	176.00	63224
48.00	557	70.00	526	93.00	3055	177.00	3818
49.00	2949	73.00	2778	94.00	8647		
50.00	13497	74.00	11854	95.00	78768		
51.00	4202	75.00	35672	96.00	4877		
56.00	952	76.00	2836	117.00	227		

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40602ic.b\BFB277.D
Date : 02-JUN-2004 11:51
Client ID: 50NGBFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20m

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\BFB312.D

Date : 30-JUN-2004 09:32

Client ID: 50NGBFB

Instrument: a3ux7.i

Sample Info:

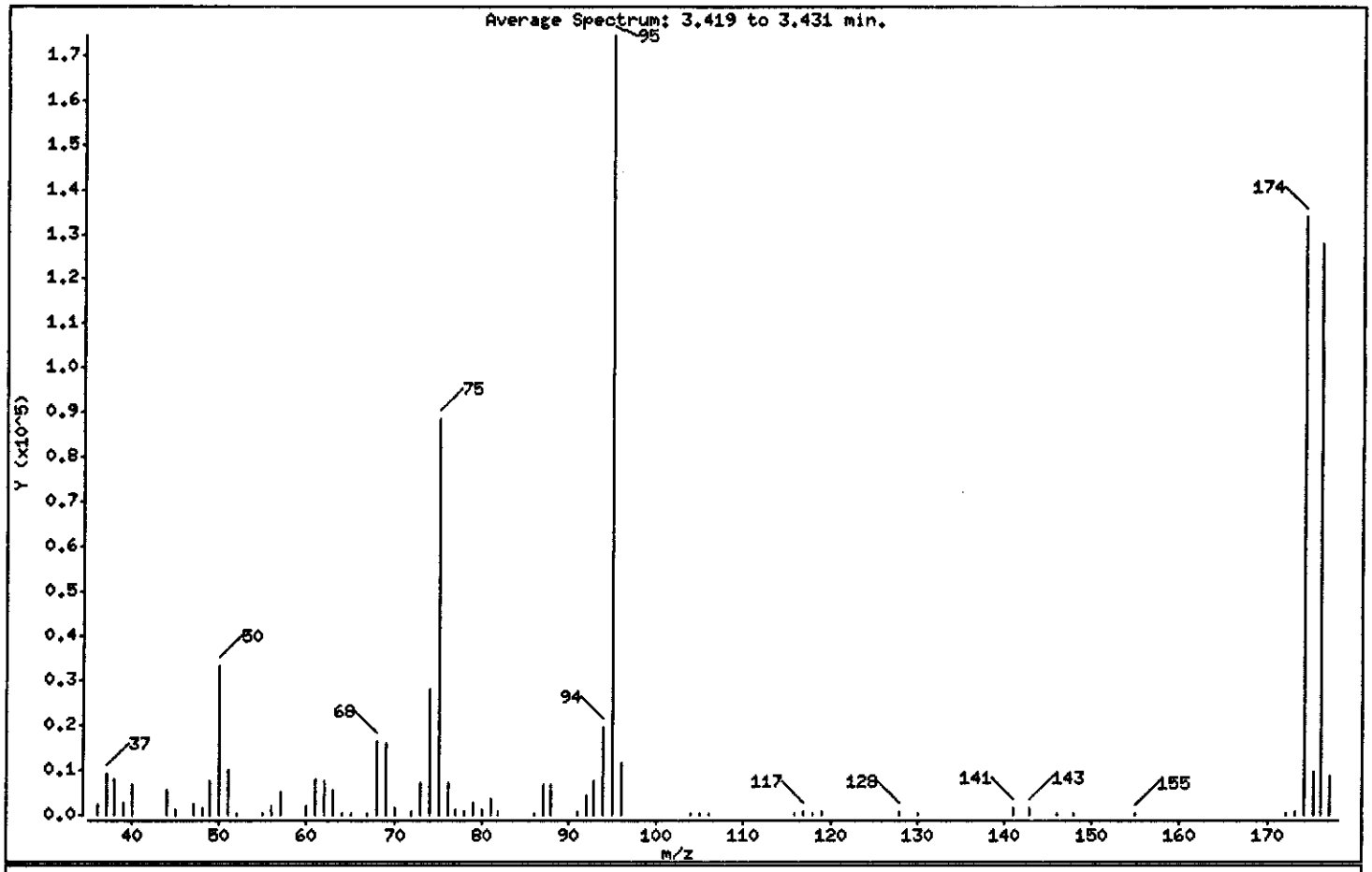
Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20m

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.05
75	30.00 - 60.00% of mass 95	50.70
96	5.00 - 9.00% of mass 95	6.66
173	Less than 2.00% of mass 174	0.45 (0.59)
174	50.00 - 100.00% of mass 95	76.85
175	5.00 - 9.00% of mass 174	5.56 (7.23)
176	95.00 - 101.00% of mass 174	73.42 (95.54)
177	5.00 - 9.00% of mass 176	5.12 (6.97)

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\BFB312.D

Date : 30-JUN-2004 09:32

Client ID: 50NGBFB | Instrument: a3ux7.i

Sample Info:

Volume Injected (uL): 1.0 | Operator: 43582

Column phase: DB624 20m | Column diameter: 0.18

Data File: BFB312.D
Spectrum: Average Spectrum: 3.419 to 3.431 min.
Location of Maximum: 95.00
Number of points: 66

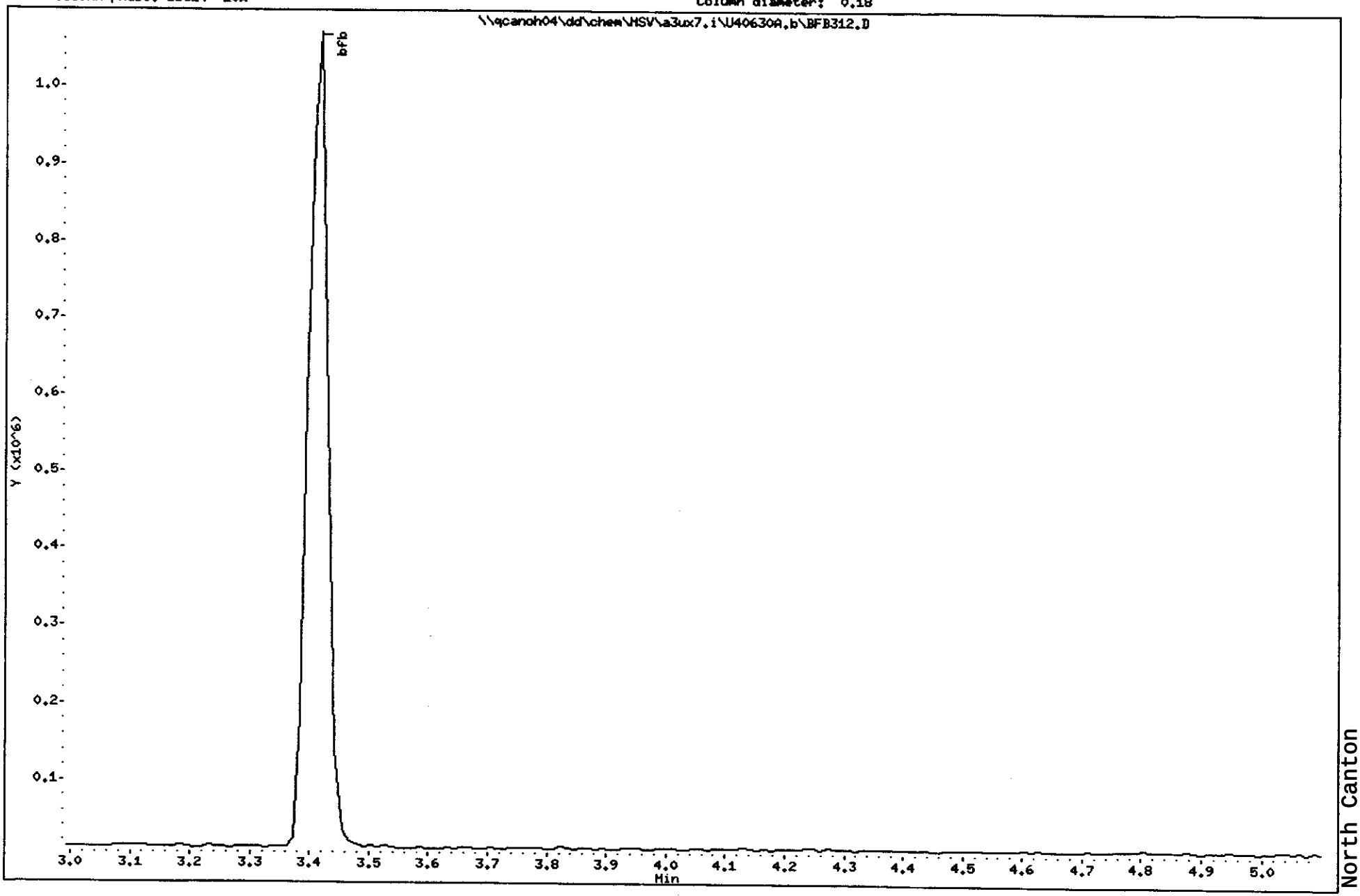
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2246	61.00	8181	80.00	1008	118.00	329
37.00	9255	62.00	7709	81.00	3529	119.00	805
38.00	7909	63.00	5606	82.00	757	128.00	837
39.00	2829	64.00	334	86.00	254	130.00	391
40.00	6971	65.00	598	87.00	6916	141.00	1434
44.00	5515	67.00	393	88.00	6868	143.00	1590
45.00	1131	68.00	16528	91.00	611	146.00	316
47.00	2604	69.00	16205	92.00	4360	148.00	340
48.00	1424	70.00	1416	93.00	7691	155.00	352
49.00	7675	72.00	937	94.00	19728	172.00	353
50.00	33208	73.00	7232	95.00	174272	173.00	792
51.00	9860	74.00	27976	96.00	11610	174.00	133952
52.00	381	75.00	88376	104.00	426	175.00	9690
55.00	427	76.00	7180	105.00	259	176.00	127984
56.00	1844	77.00	1196	106.00	576	177.00	8918
57.00	5020	78.00	879	116.00	257		
60.00	1913	79.00	2741	117.00	1000		

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\BFB312.D
Date : 30-JUN-2004 09:32
Client ID: 50NGBFB
Sample Info:
Volume Injected (uL): 1.0
Column phase: DB624 20m

Page 1

Instrument: a3ux7.i

Operator: 43582
Column diameter: 0.18



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4F290191 **Work Order #...:** GKCLP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4G010000-119 GKCLP1AD-LCSD
Prep Date.....: 06/30/04 **Analysis Date..:** 06/30/04
Prep Batch #...: 4183119
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	67	(22 - 200)			SW846 8260B
	64	(22 - 200)	4.3	(0-95)	SW846 8260B
Benzene	**100**	**(80 - 116)**			**SW846 8260B**
	100	**(80 - 116)**	**0.030**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	100	(87 - 130)			SW846 8260B
	103	(87 - 130)	2.4	(0-30)	SW846 8260B
Bromoform	83	(76 - 150)			SW846 8260B
	86	(76 - 150)	3.3	(0-30)	SW846 8260B
Bromomethane	86	(64 - 129)			SW846 8260B
	83	(64 - 129)	3.7	(0-30)	SW846 8260B
2-Butanone	74	(28 - 237)			SW846 8260B
	74	(28 - 237)	0.17	(0-65)	SW846 8260B
Carbon disulfide	103	(73 - 139)			SW846 8260B
	101	(73 - 139)	1.2	(0-30)	SW846 8260B
Carbon tetrachloride	106	(75 - 149)			SW846 8260B
	106	(75 - 149)	0.30	(0-30)	SW846 8260B
Chlorobenzene	**105**	**(76 - 117)**			**SW846 8260B**
	106	**(76 - 117)**	**1.1**	**(0-20)**	**SW846 8260B**
Dibromochloromethane	101	(81 - 138)			SW846 8260B
	101	(81 - 138)	0.49	(0-30)	SW846 8260B
Chloroethane	82	(66 - 126)			SW846 8260B
	84	(66 - 126)	2.5	(0-30)	SW846 8260B
Chloroform	102	(84 - 128)			SW846 8260B
	101	(84 - 128)	0.84	(0-30)	SW846 8260B
Chloromethane	94	(48 - 123)			SW846 8260B
	93	(48 - 123)	0.84	(0-30)	SW846 8260B
1,1-Dichloroethane	106	(86 - 123)			SW846 8260B
	104	(86 - 123)	1.4	(0-30)	SW846 8260B
1,2-Dichloroethane	109	(79 - 136)			SW846 8260B
	110	(79 - 136)	0.61	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	95	(85 - 113)			SW846 8260B
	96	(85 - 113)	1.3	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	98	(79 - 120)			SW846 8260B
	98	(79 - 120)	0.21	(0-30)	SW846 8260B
1,1-Dichloroethene	**106**	**(63 - 130)**			**SW846 8260B**
	106	**(63 - 130)**	**0.24**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	96	(82 - 116)			SW846 8260B
	97	(82 - 116)	0.53	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4F290191 **Work Order #...:** GKCLP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4G010000-119 GKCLP1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichloropropane	103	(82 - 115)			SW846 8260B
	101	(82 - 115)	1.6	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	97	(84 - 130)			SW846 8260B
	97	(84 - 130)	0.070	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	114	(84 - 130)			SW846 8260B
	113	(84 - 130)	1.2	(0-30)	SW846 8260B
Ethylbenzene	113	(86 - 116)			SW846 8260B
	114	(86 - 116)	0.42	(0-30)	SW846 8260B
2-Hexanone	85	(35 - 200)			SW846 8260B
	90	(35 - 200)	5.5	(0-52)	SW846 8260B
Methylene chloride	94	(78 - 118)			SW846 8260B
	93	(78 - 118)	1.2	(0-30)	SW846 8260B
4-Methyl-2-pentanone	98	(78 - 141)			SW846 8260B
	97	(78 - 141)	0.75	(0-32)	SW846 8260B
Styrene	114	(85 - 117)			SW846 8260B
	117	(85 - 117)	2.6	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	141 a	(85 - 118)			SW846 8260B
	133 a	(85 - 118)	5.2	(0-30)	SW846 8260B
Tetrachloroethene	94	(88 - 113)			SW846 8260B
	94	(88 - 113)	0.040	(0-30)	SW846 8260B
Toluene	**113**	**(74 - 119)**			**SW846 8260B**
	113	**(74 - 119)**	**0.37**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	102	(78 - 140)			SW846 8260B
	103	(78 - 140)	1.7	(0-30)	SW846 8260B
1,1,2-Trichloroethane	107	(83 - 122)			SW846 8260B
	108	(83 - 122)	1.1	(0-30)	SW846 8260B
Trichloroethene	**92**	**(75 - 122)**			**SW846 8260B**
	92	**(75 - 122)**	**0.080**	**(0-20)**	**SW846 8260B**
Vinyl chloride	85	(61 - 120)			SW846 8260B
	83	(61 - 120)	2.3	(0-30)	SW846 8260B
Xylenes (total)	113	(87 - 116)			SW846 8260B
	114	(87 - 116)	0.78	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
	93	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
	107	(61 - 128)
Toluene-d8	107	(76 - 110)
	109	(76 - 110)
4-Bromofluorobenzene	106	(74 - 116)
	108	(74 - 116)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4F290191 **Work Order #...:** GKCLP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4G010000-119 GKCLP1AD-LCSD

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4F290191 **Work Order #...:** GKCLP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4G010000-119 GKCLP1AD-LCSD
Prep Date.....: 06/30/04 **Analysis Date..:** 06/30/04
Prep Batch #...: 4183119
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acetone	10	6.7	ug/L	67		SW846 8260B
	10	6.4	ug/L	64	4.3	SW846 8260B
Benzene	**10**	**10**	**ug/L**	**100**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**0.030**	**SW846 8260B**
Bromodichloromethane	10	10	ug/L	100		SW846 8260B
	10	10	ug/L	103	2.4	SW846 8260B
Bromoform	10	8.3	ug/L	83		SW846 8260B
	10	8.6	ug/L	86	3.3	SW846 8260B
Bromomethane	10	8.6	ug/L	86		SW846 8260B
	10	8.3	ug/L	83	3.7	SW846 8260B
2-Butanone	10	7.4	ug/L	74		SW846 8260B
	10	7.4	ug/L	74	0.17	SW846 8260B
Carbon disulfide	10	10	ug/L	103		SW846 8260B
	10	10	ug/L	101	1.2	SW846 8260B
Carbon tetrachloride	10	11	ug/L	106		SW846 8260B
	10	11	ug/L	106	0.30	SW846 8260B
Chlorobenzene	**10**	**10**	**ug/L**	**105**		**SW846 8260B**
	10	**11**	**ug/L**	**106**	**1.1**	**SW846 8260B**
Dibromochloromethane	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	101	0.49	SW846 8260B
Chloroethane	10	8.2	ug/L	82		SW846 8260B
	10	8.4	ug/L	84	2.5	SW846 8260B
Chloroform	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	101	0.84	SW846 8260B
Chloromethane	10	9.4	ug/L	94		SW846 8260B
	10	9.3	ug/L	93	0.84	SW846 8260B
1,1-Dichloroethane	10	11	ug/L	106		SW846 8260B
	10	10	ug/L	104	1.4	SW846 8260B
1,2-Dichloroethane	10	11	ug/L	109		SW846 8260B
	10	11	ug/L	110	0.61	SW846 8260B
cis-1,2-Dichloroethene	10	9.5	ug/L	95		SW846 8260B
	10	9.6	ug/L	96	1.3	SW846 8260B
trans-1,2-Dichloroethene	10	9.8	ug/L	98		SW846 8260B
	10	9.8	ug/L	98	0.21	SW846 8260B
1,1-Dichloroethene	**10**	**11**	**ug/L**	**106**		**SW846 8260B**
	10	**11**	**ug/L**	**106**	**0.24**	**SW846 8260B**
1,2-Dichloroethene (total)	20	19	ug/L	96		SW846 8260B
	20	19	ug/L	97	0.53	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4F290191 **Work Order #...:** GKCLP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4G010000-119 GKCLP1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dichloropropane	10	10	ug/L	103		SW846 8260B
	10	10	ug/L	101	1.6	SW846 8260B
cis-1,3-Dichloropropene	10	9.7	ug/L	97		SW846 8260B
	10	9.7	ug/L	97	0.070	SW846 8260B
trans-1,3-Dichloropropene	10	11	ug/L	114		SW846 8260B
	10	11	ug/L	113	1.2	SW846 8260B
Ethylbenzene	10	11	ug/L	113		SW846 8260B
	10	11	ug/L	114	0.42	SW846 8260B
2-Hexanone	10	8.5	ug/L	85		SW846 8260B
	10	9.0	ug/L	90	5.5	SW846 8260B
Methylene chloride	10	9.4	ug/L	94		SW846 8260B
	10	9.3	ug/L	93	1.2	SW846 8260B
4-Methyl-2-pentanone	10	9.8	ug/L	98		SW846 8260B
	10	9.7	ug/L	97	0.75	SW846 8260B
Styrene	10	11	ug/L	114		SW846 8260B
	10	12	ug/L	117	2.6	SW846 8260B
1,1,2,2-Tetrachloroethane	10	14 a	ug/L	141		SW846 8260B
	10	13 a	ug/L	133	5.2	SW846 8260B
Tetrachloroethene	10	9.4	ug/L	94		SW846 8260B
	10	9.4	ug/L	94	0.040	SW846 8260B
Toluene	**10**	**11**	**ug/L**	**113**		**SW846 8260B**
	10	**11**	**ug/L**	**113**	**0.37**	**SW846 8260B**
1,1,1-Trichloroethane	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	103	1.7	SW846 8260B
1,1,2-Trichloroethane	10	11	ug/L	107		SW846 8260B
	10	11	ug/L	108	1.1	SW846 8260B
Trichloroethene	**10**	**9.2**	**ug/L**	**92**		**SW846 8260B**
	10	**9.2**	**ug/L**	**92**	**0.080**	**SW846 8260B**
Vinyl chloride	10	8.5	ug/L	85		SW846 8260B
	10	8.3	ug/L	83	2.3	SW846 8260B
Xylenes (total)	30	34	ug/L	113		SW846 8260B
	30	34	ug/L	114	0.78	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
	93	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
	107	(61 - 128)
Toluene-d8	107	(76 - 110)
	109	(76 - 110)
4-Bromofluorobenzene	106	(74 - 116)
	108	(74 - 116)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4F290191 **Work Order #...:** GKCLP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4G010000-119 GKCLP1AD-LCSD

NOTE(S):

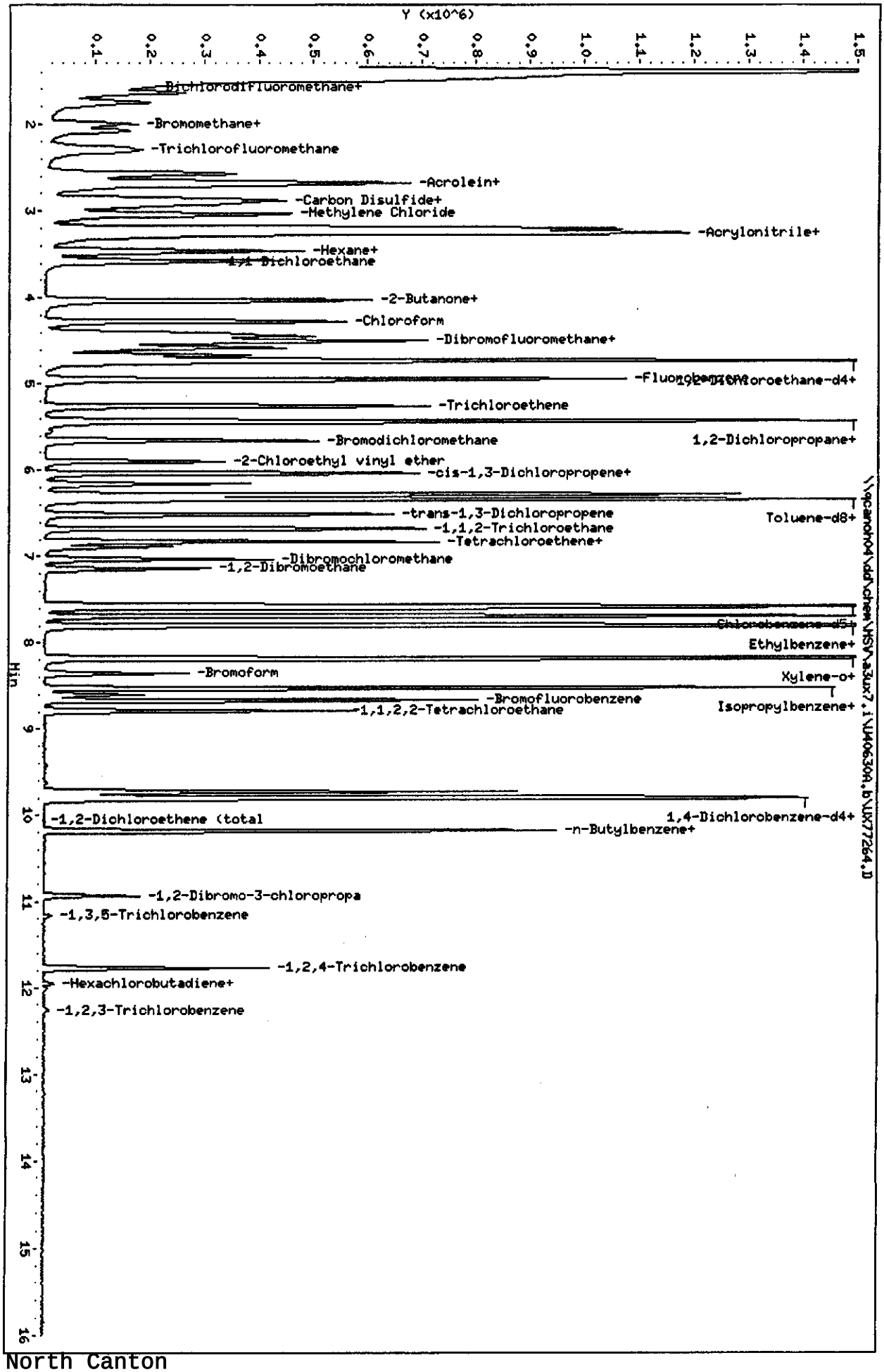
Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U406330A.b\UX77264.D
Date : 30-JUN-2004 10:34
Client ID: GKCLP 1AC
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77264.D
Report Date: 01-Jul-2004 09:41

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77264.D
Lab Smp Id: CHECK
Inj Date : 30-JUN-2004 10:34
Operator : 43582 Inst ID: a3ux7.i
Smp Info : CHECK
Misc Info : U40630A,N8260UX7-3,1-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b\N8260UX7-3.m
Meth Date : 01-Jul-2004 09:37 evansl Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.951	4.955	(1.000)	1103443	50.0000	
* 2 Chlorobenzene-d5	117	7.567	7.570	(1.000)	787582	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.794	(1.000)	309968	50.0000	
$ 4 Dibromofluoromethane	113	4.395	4.398	(0.888)	235970	47.3892	9.478
$ 5 1,2-Dichloroethane-d4	65	4.668	4.671	(0.943)	370150	53.9836	10.797
$ 6 Toluene-d8	98	6.277	6.280	(0.830)	936337	53.4186	10.684
$ 7 Bromofluorobenzene	95	8.667	8.670	(1.145)	323950	53.0679	10.614
8 Dichlorodifluoromethane	85	1.579	1.570	(0.319)	311897	53.1826	10.636
9 Chloromethane	50	1.638	1.641	(0.331)	492494	47.0773	9.415
10 Vinyl Chloride	62	1.745	1.748	(0.352)	391995	42.7035	8.541
11 Bromomethane	94	1.993	1.996	(0.403)	211895	43.1572	8.631
12 Chloroethane	64	2.076	2.067	(0.419)	226134	41.1422	8.228
13 Trichlorofluoromethane	101	2.289	2.304	(0.462)	446529	53.5664	10.713
15 Acrolein	56	2.573	2.576	(0.520)	643541	521.867	104.37
16 Acetone	43	2.680	2.683	(0.541)	123150	33.3505	6.670
17 1,1-Dichloroethene	96	2.680	2.683	(0.541)	275180	52.9646	10.593
18 Freon-113	151	2.691	2.695	(0.544)	199036	53.0986	10.620
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77264.D
Report Date: 01-Jul-2004 09:41

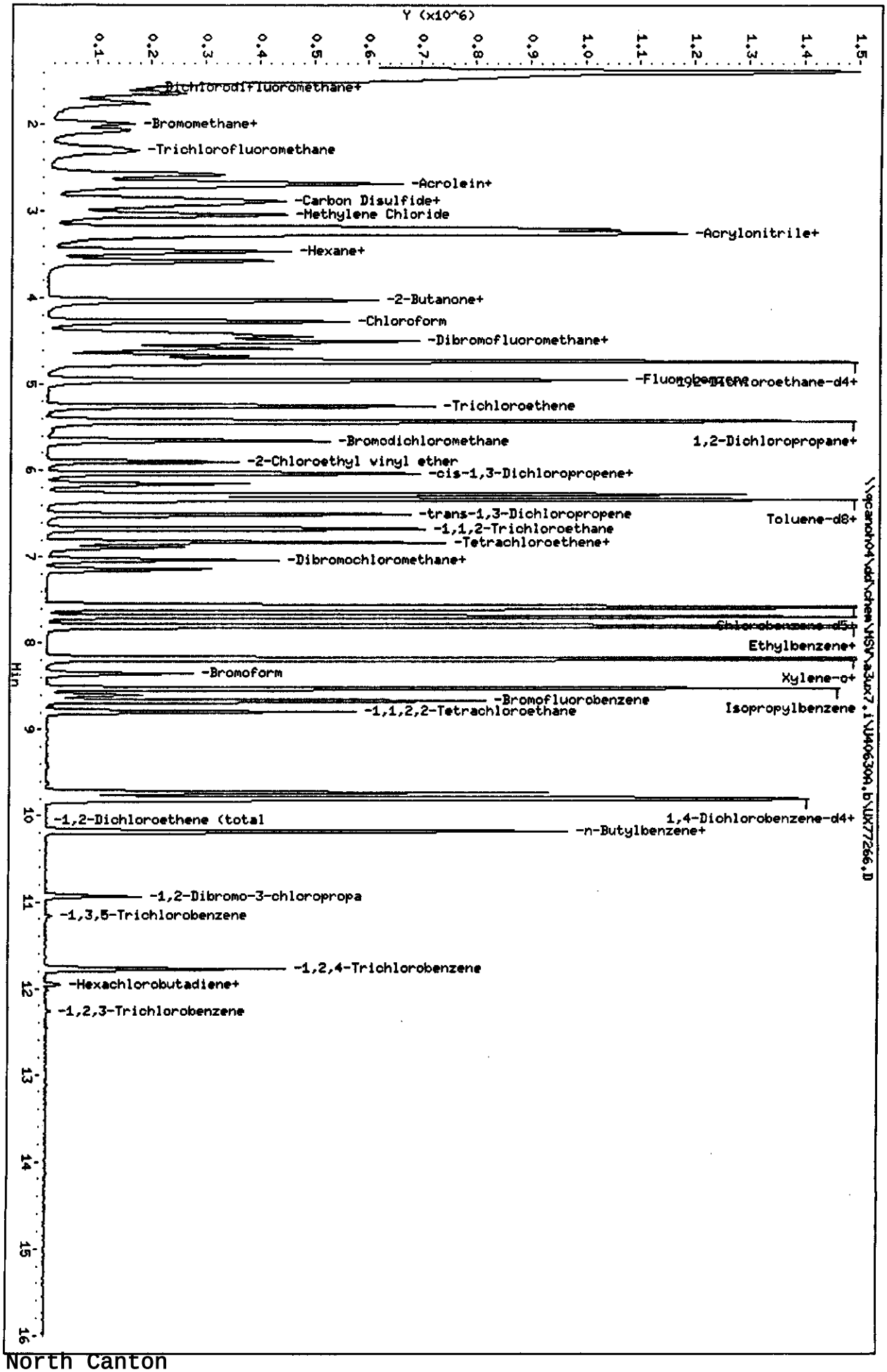
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.869	2.872	(0.579)	1012500	51.3247	10.265
	21 Methylene Chloride	84	3.046	3.038	(0.615)	333237	47.0219	9.404
	22 Acetonitrile	41	2.904	2.908	(0.587)	528366	594.103	118.82
	23 Acrylonitrile	53	3.200	3.203	(0.646)	1414711	527.230	105.44
	24 Methyl tert-butyl ether	73	3.259	3.263	(0.658)	789517	42.9874	8.597
	25 trans-1,2-Dichloroethene	96	3.259	3.251	(0.658)	304463	49.0732	9.815
	26 Hexane	86	3.472	3.464	(0.701)	57227	55.9159	11.183
	27 Vinyl acetate	43	3.461	3.594	(0.699)	208282	16.4484	3.290
	28 1,1-Dichloroethane	63	3.579	3.570	(0.723)	590839	52.7477	10.550
	29 tert-Butyl Alcohol	59	3.259	3.109	(0.658)	16156	40.4661	8.093
	30 2-Butanone	43	4.017	4.020	(0.811)	148184	36.8324	7.366
M	31 1,2-Dichloroethene (total)	96				603666	96.4626	19.292
	32 cis-1,2-dichloroethene	96	4.029	4.032	(0.814)	299203	47.3894	9.478
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.277	4.280	(0.864)	536276	51.0253	10.205
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.443	4.446	(0.897)	437244	50.8502	10.170
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.585	4.588	(0.926)	373465	52.9531	10.591
	40 1,2-Dichloroethane	62	4.739	4.730	(0.957)	459734	54.6062	10.921
	41 Benzene	78	4.739	4.730	(0.957)	1302312	49.8992	9.980
	42 Trichloroethene	130	5.259	5.262	(1.062)	282422	45.8550	9.171
	43 1,2-Dichloropropane	63	5.437	5.428	(1.098)	331984	51.3316	10.266
	44 1,4-Dioxane	88	5.543	5.534	(1.119)	8701	167.680	33.536
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.661	5.653	(1.143)	401278	50.1968	10.039
	47 2-Chloroethyl vinyl ether	63	5.898	5.901	(1.191)	152515	41.9913	8.398
	48 cis-1,3-Dichloropropene	75	6.040	6.031	(1.220)	456525	48.6203	9.724
	49 4-Methyl-2-pentanone	43	6.158	6.150	(1.244)	296549	49.0877	9.818
	50 Toluene	91	6.336	6.339	(0.837)	1265214	56.4603	11.292
	51 trans-1,3-Dichloropropene	75	6.513	6.505	(0.861)	412037	57.1402	11.428
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.679	6.670	(0.883)	258673	53.3259	10.665
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.833	6.836	(0.903)	182200	46.9571	9.391
	56 2-Hexanone	43	6.892	6.883	(0.911)	190181	42.4222	8.484
	57 Dibromochloromethane	129	7.034	7.037	(0.930)	252130	50.3902	10.078
	58 1,2-Dibromoethane	107	7.141	7.144	(0.944)	250740	54.0729	10.814
	59 Chlorobenzene	112	7.590	7.593	(1.003)	735908	52.4910	10.498
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.697	7.700	(1.017)	389121	56.5097	11.302
	62 m + p-Xylene	106	7.803	7.806	(1.031)	980700	113.752	22.750
M	63 Xylenes (total)	106				1444898	170.153	34.031
	64 Xylene-o	106	8.170	8.173	(1.080)	464198	56.4018	11.280
	65 Styrene	104	8.182	8.185	(1.081)	840998	56.8177	11.364
	66 Bromoform	173	8.359	8.362	(1.105)	139238	41.7338	8.347

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77264.D
Report Date: 01-Jul-2004 09:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.525	8.528	(1.127)	1009727	59.4743	11.895
68 1,1,2,2-Tetrachloroethane	83	8.785	8.788	(0.897)	350193	70.2575	14.052
69 1,4-Dichloro-2-butene	53	8.596	8.848	(0.878)	4299	3.26845	0.6537
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	9.625	9.617	(0.983)	5962	0.46863	0.09373
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.732	9.723	(0.994)	416750	55.5734	11.115
81 1,4-Dichlorobenzene	146	9.815	9.818	(1.002)	467995	58.7441	11.749
82 n-Butylbenzene	91	10.170	10.161	(1.039)	11547	1.26466	0.2529
83 1,2-Dichlorobenzene	146	10.182	10.185	(1.040)	429397	56.8073	11.361
84 1,2-Dibromo-3-chloropropane	157	10.939	10.942	(1.117)	49290	51.9605	10.392
85 1,2,4-Trichlorobenzene	180	11.779	11.782	(1.203)	139315	37.0507	7.410
86 Hexachlorobutadiene	225	11.957	11.960	(1.221)	4392	2.21053	0.4421
87 Naphthalene	128	12.016	12.019	(1.227)	7692	5.43422	1.087
88 1,2,3-Trichlorobenzene	180	12.264	12.267	(1.253)	4160	1.16140	0.2323
98 Cyclohexane	56	4.502	4.505	(0.909)	469976	55.9789	11.196
143 Methyl Acetate	43	2.940	2.943	(0.594)	271233	56.2994	11.260
144 Methylcyclohexane	83	5.437	5.440	(1.098)	320527	50.3489	10.070
141 1,3,5-Trichlorobenzene	180	11.164	11.167	(1.140)	5434	1.24825	0.2496

Data File: \\pcanoh04\dd\chem\HSV\a3ux7.i\U406309.b\UX77266.D
Date : 30-JUN-2004 11:21
Client ID: GKCLP I AD
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 43582
Column diameter: 0.18



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Report Date: 01-Jul-2004 09:42

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77266.D
Lab Smp Id: CHECK
Inj Date : 30-JUN-2004 11:21
Operator : 43582 Inst ID: a3ux7.i
Smp Info : CHECK
Misc Info : U40630A,N8260UX7-3,1-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b\N8260UX7-3.m
Meth Date : 01-Jul-2004 09:41 evansl Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 5 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.951	4.955	(1.000)	1114038	50.0000	
* 2 Chlorobenzene-d5	117	7.566	7.570	(1.000)	792305	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.791	9.794	(1.000)	327234	50.0000	
$ 4 Dibromofluoromethane	113	4.407	4.398	(0.890)	233957	46.5381	9.308
$ 5 1,2-Dichloroethane-d4	65	4.667	4.671	(0.943)	369903	53.4345	10.687
$ 6 Toluene-d8	98	6.276	6.280	(0.830)	960701	54.4818	10.896
$ 7 Bromofluorobenzene	95	8.667	8.670	(1.145)	331589	53.9955	10.799
8 Dichlorodifluoromethane	85	1.579	1.570	(0.319)	304038	51.3495	10.270
9 Chloromethane	50	1.638	1.641	(0.331)	493047	46.6820	9.336
10 Vinyl Chloride	62	1.756	1.748	(0.355)	386852	41.7424	8.348
11 Bromomethane	94	1.993	1.996	(0.403)	206843	41.5765	8.315
12 Chloroethane	64	2.064	2.067	(0.417)	234045	42.1766	8.435
13 Trichlorofluoromethane	101	2.300	2.304	(0.465)	438361	52.0865	10.417
15 Acrolein	56	2.573	2.576	(0.520)	647475	520.064	104.01
16 Acetone	43	2.679	2.683	(0.541)	119791	31.9448	6.389
17 1,1-Dichloroethene	96	2.679	2.683	(0.541)	278516	53.0968	10.619
18 Freon-113	151	2.691	2.695	(0.544)	201059	53.1282	10.626
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77266.D
Report Date: 01-Jul-2004 09:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.868	2.872	(0.579)	1009616	50.6918	10.138
	21 Methylene Chloride	84	3.046	3.038	(0.615)	332734	46.4429	9.288
	22 Acetonitrile	41	2.904	2.908	(0.587)	542484	604.176	120.84
	23 Acrylonitrile	53	3.200	3.203	(0.646)	1435836	530.014	106.00
	24 Methyl tert-butyl ether	73	3.259	3.263	(0.658)	800689	43.1811	8.636
	25 trans-1,2-Dichloroethene	96	3.259	3.251	(0.658)	306756	48.9726	9.794
	26 Hexane	86	3.472	3.464	(0.701)	56598	54.8315	10.966
	27 Vinyl acetate	43	3.460	3.594	(0.699)	224942	17.5951	3.519
	28 1,1-Dichloroethane	63	3.578	3.570	(0.723)	588399	52.0303	10.406
	29 tert-Butyl Alcohol	59	3.259	3.109	(0.658)	16742	41.5350	8.307
	30 2-Butanone	43	4.016	4.020	(0.811)	149861	36.8950	7.379
M	31 1,2-Dichloroethene (total)	96				612785	96.9821	19.396
	32 cis-1,2-dichloroethene	96	4.028	4.032	(0.814)	306029	48.0096	9.602
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.277	4.280	(0.864)	536870	50.5960	10.119
	36 Tetrahydrofuran	42	4.016	4.256	(0.811)	8964	5.29709	1.059
	37 1,1,1-Trichloroethane	97	4.442	4.446	(0.897)	448853	51.7038	10.341
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.584	4.588	(0.926)	375920	52.7943	10.559
	40 1,2-Dichloroethane	62	4.738	4.730	(0.957)	466965	54.9376	10.988
	41 Benzene	78	4.738	4.730	(0.957)	1314425	49.8844	9.977
	42 Trichloroethene	130	5.259	5.262	(1.062)	285380	45.8947	9.179
	43 1,2-Dichloropropane	63	5.436	5.428	(1.098)	329672	50.4893	10.098
	44 1,4-Dioxane	88	5.543	5.534	(1.119)	11563	220.716	44.143(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.661	5.653	(1.143)	415035	51.4239	10.285
	47 2-Chloroethyl vinyl ether	63	5.898	5.901	(1.191)	158573	43.2440	8.649
	48 cis-1,3-Dichloropropene	75	6.040	6.031	(1.220)	461225	48.6537	9.731
	49 4-Methyl-2-pentanone	43	6.158	6.150	(1.244)	297148	48.7191	9.744
	50 Toluene	91	6.335	6.339	(0.837)	1277566	56.6717	11.334
	51 trans-1,3-Dichloropropene	75	6.513	6.505	(0.861)	409589	56.4621	11.292
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.679	6.670	(0.883)	263025	53.8999	10.780
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.832	6.836	(0.903)	183209	46.9356	9.387
	56 2-Hexanone	43	6.892	6.883	(0.911)	202180	44.8299	8.966
	57 Dibromochloromethane	129	7.034	7.037	(0.930)	254910	50.6421	10.128
	58 1,2-Dibromoethane	107	7.140	7.144	(0.944)	252809	54.1941	10.839
	59 Chlorobenzene	112	7.602	7.593	(1.005)	748237	53.0523	10.610
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.696	7.700	(1.017)	393102	56.7475	11.350
	62 m + p-Xylene	106	7.803	7.806	(1.031)	990513	114.205	22.841
M	63 Xylenes (total)	106				1464830	171.493	34.298
	64 Xylene-o	106	8.170	8.173	(1.080)	474317	57.2878	11.458
	65 Styrene	104	8.181	8.185	(1.081)	868149	58.3024	11.660
	66 Bromoform	173	8.359	8.362	(1.105)	144719	43.1180	8.624

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77266.D
Report Date: 01-Jul-2004 09:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	8.525	8.528	(1.127)	1006343	58.9217	11.784
68 1,1,2,2-Tetrachloroethane	83	8.797	8.788	(0.898)	351027	66.7090	13.342
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	9.731	9.723	(0.994)	426809	53.9118	10.782
81 1,4-Dichlorobenzene	146	9.814	9.818	(1.002)	470733	55.9701	11.194
82 n-Butylbenzene	91	10.169	10.161	(1.039)	10713	1.11141	0.2223
83 1,2-Dichlorobenzene	146	10.181	10.185	(1.040)	432085	54.1468	10.829
84 1,2-Dibromo-3-chloropropane	157	10.938	10.942	(1.117)	49570	49.4985	9.900
85 1,2,4-Trichlorobenzene	180	11.779	11.782	(1.203)	150294	37.8616	7.572
86 Hexachlorobutadiene	225	11.956	11.960	(1.221)	5747	2.73989	0.5480
87 Naphthalene	128	12.015	12.019	(1.227)	8821	5.49178	1.098
88 1,2,3-Trichlorobenzene	180	12.264	12.267	(1.253)	4686	1.23922	0.2478
98 Cyclohexane	56	4.501	4.505	(0.909)	464497	54.8001	10.960
143 Methyl Acetate	43	2.939	2.943	(0.594)	276386	56.8234	11.365
144 Methylcyclohexane	83	5.436	5.440	(1.098)	324555	50.4968	10.099
141 1,3,5-Trichlorobenzene	180	11.163	11.167	(1.140)	6378	1.38779	0.2776

QC Flag Legend

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4F290191
MB Lot-Sample #: A4G010000-119

Work Order #...: GKCLP1AA

Matrix.....: WATER

Prep Date.....: 06/30/04

Final Wgt/Vol..: 5 mL

Analysis Date..: 06/30/04
Dilution Factor: 1

Prep Batch #...: 4183119
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	200	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 #...: A4F290191 **Work Order #...:** GKCLP1AA **Matrix.....:** WATER

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

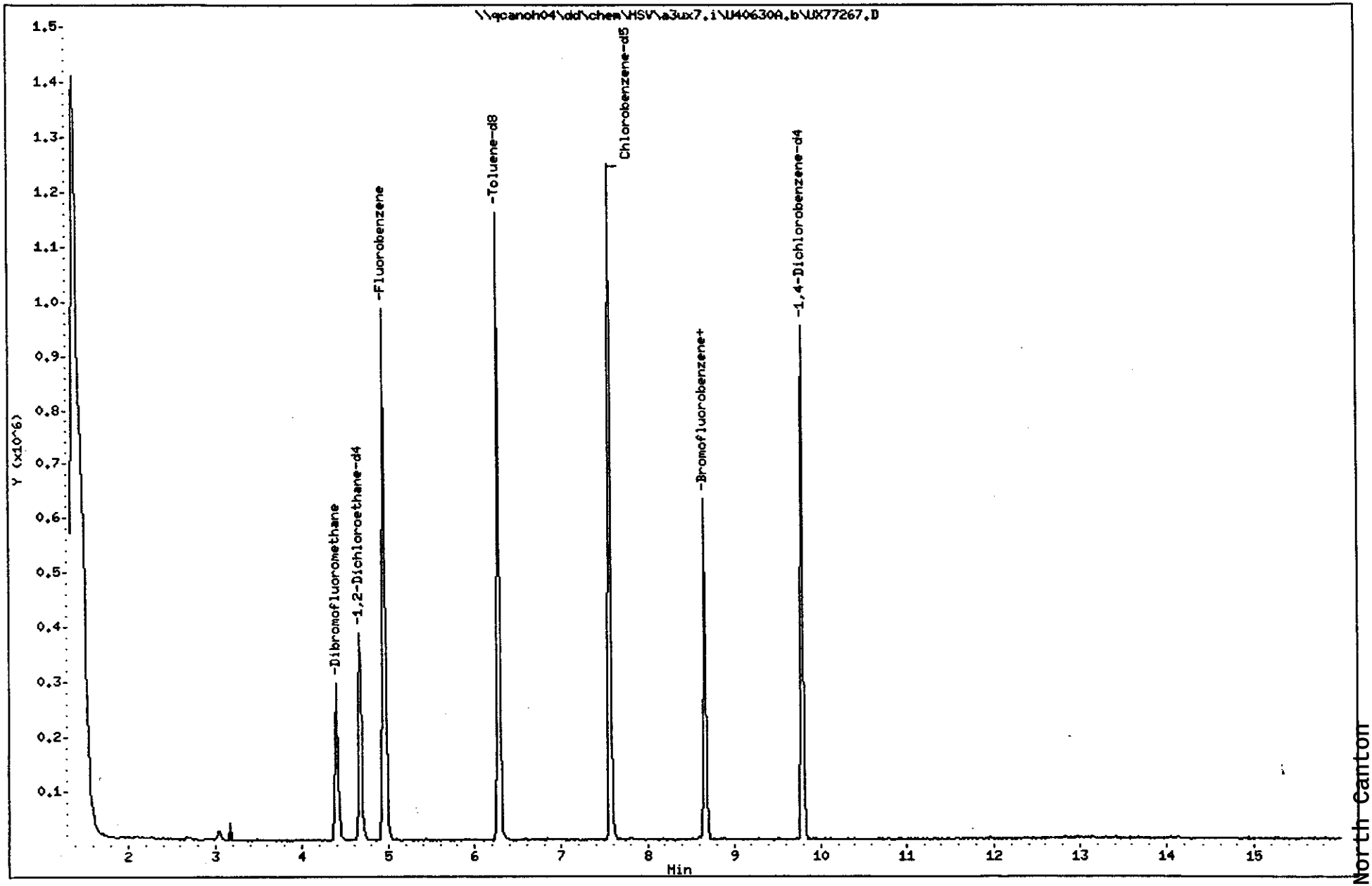
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(73 - 122)
1,2-Dichloroethane-d4	106	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)

NOTE(S):

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

Data File: \\qcanoh04\dd\chem\HSV\a3ux7.i\U40630A.b\UX77267.D
Date : 30-JUN-2004 11:45
Client ID: GKCLP1AA
Sample Info: VBLK
Purge Volume: 5.0
Column phase: DB624 20m

Instrument: a3ux7.i
Operator: 43582
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77267.D
Report Date: 01-Jul-2004 09:43

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77267.D
Lab Smp Id: VBLK
Inj Date : 30-JUN-2004 11:45
Operator : 43582 Inst ID: a3ux7.i
Smp Info : VBLK
Misc Info : U40630A,N8260UX7-3,,43582,3,,BLANK,,0
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux7.i\U40630A.b\N8260UX7-3.m
Meth Date : 01-Jul-2004 09:41 evansl Quant Type: ISTD
Cal Date : 21-APR-2004 11:55 Cal File: UX74913.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: CANPMSV07

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.955	4.955	(1.000)	1033279	50.0000	
* 2 Chlorobenzene-d5	117	7.570	7.570	(1.000)	736373	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.794	9.794	(1.000)	268381	50.0000	
$ 4 Dibromofluoromethane	113	4.399	4.398	(0.888)	224615	48.1719	9.634
$ 5 1,2-Dichloroethane-d4	65	4.671	4.671	(0.943)	339510	52.8772	10.575
$ 6 Toluene-d8	98	6.280	6.280	(0.830)	834007	50.8894	10.178
$ 7 Bromofluorobenzene	95	8.670	8.670	(1.145)	253325	44.3843	8.877
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77267.D
Report Date: 01-Jul-2004 09:43

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77267.D
Report Date: 01-Jul-2004 09:43

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	8.599	8.597	(0.878)	3353	33.8427	6.768
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux7.i\U40630A.b\UX77267.D

Date : 30-JUN-2004 11:45

Client ID:

Instrument: a3ux7.i

Sample Info: VBLK

Purge Volume: 5.0

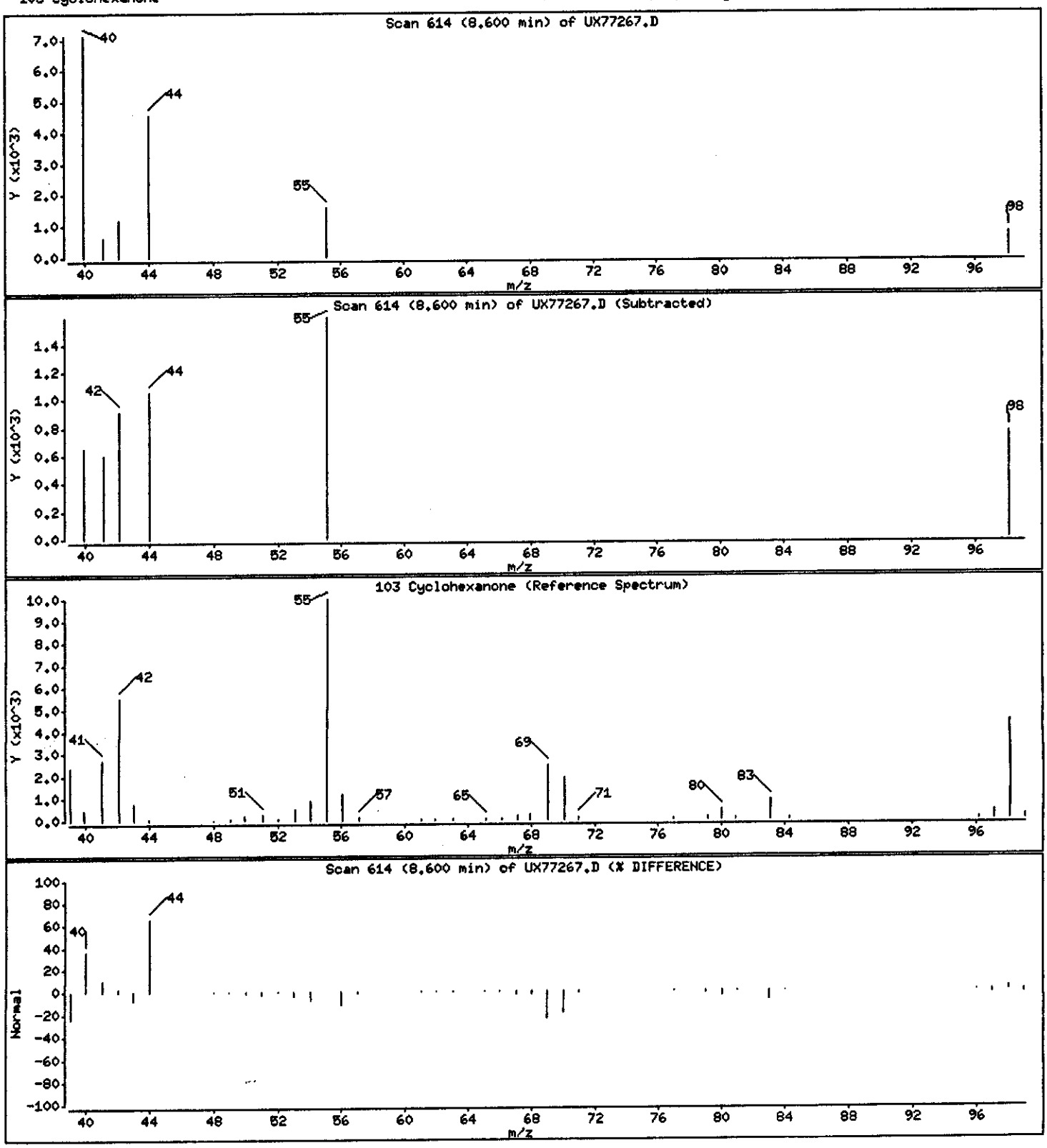
Operator: 43582

Column phase: DB624 20m

Column diameter: 0.18

103 Cyclohexanone

Concentration: 6.768 ug/L



SEVERN TRENT STL

MISCELLANEOUS DATA

AHD 170157
170160
150181

UX7
Batch # HU3235

STL-North Canton
GC/MS VOA Run Log

H/23

Date: 4-21-04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V1758 SS # V1759	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	DFTPP		DFTP222	50ng	Direct Inject	08:50	OK
1	Val Std		UX7 4907	↓ ng	V1761 V1762,67	UHOH20	OK
2	A9 Std		08	5 ng	V1764 V1760	2-Methyl Naphthalene	OK
3	↓		09	10 ng	↓	↓	OK
4			10	25 ng	V1760 V1775		OK
5			11	50 ng	↓		OK
6			12	100 ng			OK
7			13	200 ng			OK
8	LCS		14	50ng	V1768	GCMK3-1AC	OK
9	LCSD		15	↓	↓	1AD	OK
10	Val Blank		16	5ml		1AA	OK
11	GCD1X-1AA	CD	17	0.4ml			OK
12	GCD1L-1AA		18	0.175ml			OK
13	GCD17-1AA		19	5ml			OK
14	GCD19-1AA		20	↓			OK
15	GCD2F-1AA		21	0.002ml			OK
16	GCD2G-1AA		22	5ml			OK
17	GCD2H-1AA		23	0.0015ml		RB 0.25ml	–
18	GCD2Q-1AA	CD	24	0.225ml			OK
19	GCD2R-1AA		25	5ml			OK
20	GCD2T-1AA		26				OK
21	1AC		27	+50 ng	V1768		
22	↓ 1AD		28	↓	↓		
23	GCD2V-1AA		29				OK
24	GCD2W-1AA		30				OK
25	GD7HX-1AA	CD/CM	31	0.0025ml			OK
26	GD7H0-1AA		32	5ml			OK
27	GD7H3-1AA		33				OK
28	GD7HH-1AA		34			21:29	OK

Analyst: CMR
Level 2 review: JS

6175

UX7
Batch # _____

STL-North Canton
GC/MS VOA Run Log

Date: 6-2-04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V 1873 SS # V 1900		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB 277	50 ng	Direct Inject	11:51	OK
1	8260 Cal 1		UX7 6306	5 ng	V1905, 10 V1914, 18	2 Cal Passed	OK
2	2		07	10 ng			OK
3	3		08	25 ng			OK
4	4		09	50 ng			OK
5	5		10	100 ng			OK
6	6		11	200 ng			OK
7	2CV		12	50 ng	V 1908	2nd Source Passed	OK
8			13				
9			14				
10			15				
11			16				
12			17				
13			18				
14			19				
15			20				
16			21				
17			22				
18			23				
19			24				
20			25				
21			26				
22			27				
23			28				
24			29				
25			30				
26			31				
27			32				
28			33				

Analyst: CMR
Level 2 review: SMM

CMR 6-2-04

UX7
Batch # 4183119

STL-North Canton
GC/MS VOA Run Log

7/1

Date: 6/30/04

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V2006 SS # V2007	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number/ Sample prep	Comments	Sample status
	BFB		BFB312	50ng	dir nyct	9:32	On
1	Ag STD		UX77262		V2018	U40421	On
2	W/STD		63		V2019, 13, 20	@	—
3	Check	GKCLP	64		V2008		On
4	10/STD		65			U40602	On
5	Check Dup		66				On
6	Blank		67	5ml			On
7	GJ7N31AA	Rush	68				On
8	GJ7PF1AA		69				On
9	GJL7E1AA	ED	70	0.020ml/5ml			On
10	GJMP42AA		71	0.4 5ml/5ml		@ 1AA 5ml	On
11	GJST31AA		72	0.005ml/5ml 10X		@ 0.2 µl	—
12	GJST71AA		73	0.5ml/5ml		@ 200 µl	—
13	GJST91AA		74	5ml			On
14	GJMP41AA		75	5ml			On
15	GJL7E1AD	(S)	76	0.02ml/5ml + 50ng			On
16	GJL7E1AE	(D)	77				On
17	GJST31AA		78	0.002ml/5ml 10X			On
18	~~GJST71AA~~	GJRW61AA 6/30/04	79	~~0.2ml/5ml~~ 6/30/04		5ml	On
19	GJRXC1AA		80	5ml			On
20	GJRXE1AA		81				On
21	GJRXF1AA		82				On
22	GJRXG1AA		83				On
23	GJRXH1AA		84				On
24	GJRXJ1AA		85				On
25	GJRXK1AA		86				On
26	GJRXL1AA		87				On
27	GJRXM1AA		88				On
28	GJRXN1AA		89				On
29	GJVG41AA	tics	90				On
30	GJST71AA		91	0.2ml/5ml			On
						7/01/04	

Analyst: [signature]
Level 2 review: TS

STL North Canton

PSL205 Severn Trent Laboratories, Inc System Date: 6/29/04 11:59:48
Page 1 Local Date: 6/29/04 13:59:48

MSVOC Lot Summary - A4F290191

CLIENT: 5670 PAYNE FIRM INC. SDG: 4F29191 (86) Date Received: 6/29/04
PROJECT MANAGER: Roger K. Toth Date Analysis Due: 7/01/04 N
SITE: EMD/NORWOOD Date Report Due: 7/07/04
LOT COMMENTS: Turnaround Time: 2
QC PACKAGE: Expanded Deliverables

Wood

SAMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
001-	GJ7N3-1AA	XX I 25 QK 01 MS8260LL	3	6/28/04 12:15	~~7/12/04~~ 7/05/04 DC 6-29-04	N	MW508B/062804 PH=7 Q: CLP MSVOA TCL Standard List EXP DEL, RUSH TAT DUE 7-1-04 BY 3:00, SDG# 4F29191. AP9 Compounds
002-	GJ7PF-1AA	XX I 25 QK 01 MS8260LL	2	6/28/04	7/12/04	N	TRIP BLANK/062804 PH=1 Q: CLP MSVOA TCL Standard List EXP DEL, RUSH TAT DUE 7-1-04 BY 3:00, SDG# 4F29191. AP9 Compounds

07/12/04 07:57:16 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A4F290191	1	GJ7N31AA	MS8260LL	6/30/04	Laura Evans
A4F290191	2	GJ7PF1AA	MS8260LL	6/30/04	Laura Evans

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

GENERAL CHEMISTRY DATA

QC SUMMARY

METHOD BLANK REPORT

General Chemistry

Client Lot #...: 4F29191 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids		Work Order #: GKA0A1AA		MB Lot-Sample #:	A4F300000-490	
	ND	10.0	%	MCAWW 160.3 MOD	06/30-07/01/04	4182490
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: GKW1N1AA		MB Lot-Sample #:	A4G090000-434	
	7 B	**10**	**mg/kg**	**SW846 9060**	**07/10/04**	**4191434**
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: 4F29191 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		Work Order #: GKW1N1AC		LCS Lot-Sample#: A4G090000-434	
	102	(51 - 128)	SW846 9060	07/10/04	4191434
		Dilution Factor: 1			

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: 4F29191 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon			Work Order #: GKW1N1AC		LCS Lot-Sample#: A4G090000-434		
	690	700	mg/kg	102	SW846 9060	07/10/04	4191434

Dilution Factor: 1

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: 4F29191 **Matrix.....:** SO
Date Sampled...: 06/29/04 12:00 **Date Received..:** 06/30/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#: GJ99W1AE-MS/GJ99W1AF-MSD				MS Lot-Sample #: A4F300237-001	
	102	(65 - 128)			SW846 9060	07/10/04	4191434
	101	(65 - 128)	0.87	(0-20)	SW846 9060	07/10/04	4191434

Dilution Factor: 1

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: 4F29191 **Matrix.....:** SO
Date Sampled...: 06/29/04 12:00 **Date Received..:** 06/30/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon			WO#: GJ99W1AE-MS/GJ99W1AF-MSD				MS Lot-Sample #: A4F300237-001		
	32	280	320	mg/kg	102		SW846 9060	07/10/04	4191434
	32	280	310	mg/kg	101	0.87	SW846 9060	07/10/04	4191434

Dilution Factor: 1

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A4F290191 **Work Order #...:** GJ99W-SMP **Matrix.....:** SO
GJ99W-DUP
Date Sampled...: 06/29/04 12:00 **Date Received..:** 06/30/04
% Moisture.....: 11

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: A4F300237-001		
	89.3	90.0	%	0.78	(0-20)	MCAWW 160.3 MOD	06/30-07/01/04	4182490

Dilution Factor: 1

SAMPLE DATA

PAYNE FIRM INC.

Client Sample ID: MW509B/26.5-28/062904

General Chemistry

Lot-Sample #...: A4F300237-001 **Work Order #...:** GJ99W **Matrix.....:** SO
Date Sampled...: 06/29/04 12:00 **Date Received..:** 06/30/04
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**89.3**	**10.0**	**%**	**MCAWW 160.3 MOD**	**06/30-07/01/04**	**4182490**
		Dilution Factor: 1				
Total Organic Carbon	**32 J**	**11**	**mg/kg**	**SW846 9060**	**07/10/04**	**4191434**
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

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

SUPPORTIVE RAW DATA

STL North Canton General Chemistry Data Review Checklist

Parameter(s): Percent Solids

Batch(es): 4182490 / 4182491

Method #/SOP#: SM (TS-160.3 MOD)

Review Items	Level I Review			Level II Review		
	YES	NO	N/A	YES	NO	N/A
A. Initial Calibration						
1. Initial calibration correlation coefficient ≥ 0.995?			✓			✓
2. Calibration curve consist of the minimum number of calibration standards?			✓			✓
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)			✓			✓
4. ICB analyzed immediately after ICV and within criteria (± RL)?			✓			✓
B. Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?			✓			✓
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?			✓			✓
C. Sample Results						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?			✓			✓
2. All reported results bracketed by in control QC ?	✓			✓		
3. Sample analyses done within holding time ?	✓			✓		
D. Quality Control						
1. LCS per prep batch and within QC limits ? *(LCSD, where applicable)*			✓			✓
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	✓			✓		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?			✓			✓
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?	✓			✓		
E. Titrant						
1. Titrant standardized?			✓			✓
2. If no, standardization expires			✓			
F. Other						
1. Are all nonconformances documented appropriately (NCM or narrative)?			✓			✓
2. Calculations checked for error ?	✓			✓		
3. Transcriptions checked for error ?	✓			✓		
4. All client/project specific requirements met ?	✓			✓		
5. Date/time of preparation and analysis verified as correct ?				✓		
6. Units verified as correct?			✓	✓		
7. Dilutions have been properly applied and RL's adjusted appropriately?			✓	✓		✓
8. SOP followed?	✓			✓		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?	✓					✓
10. All reagent and standard numbers recorded in logbook?			✓			✓
11. Edits dated and initialed			✓			✓

Comment on any "NO" response(s):

Level I reviewer: Angela Matthews Date: 7-1-04

Level II Reviewer: Angela Sura Date: 7/1/04

Level I review:

N:\QAQC\LAB_FORM\Wet Chemistry Forms\Wet Chem_LevelI.doc
Corporate Policy, QA-012
Revision date: 08/25/00

			STL North Canton			
		Percent Total Solid/Percent Moisture Logsheet				
Analysis	TS			Batch	4182490/4182491	
Prep Date	6/30/04	Time In	5:15PM	Analyst	AM	
					AM	
Anal date	7/1/04	Time Out	6:35AM	RL	10	
Sample Id	Tare wt	Wet wt	Dry wt	Result TS %	Result MS %	comments
BLANK E	4.386	4.4709	4.4494	2.83	ND	
GJ9K1	4.386	10.1069	9.6652	92.279	7.721	
GJ9K1-X	4.386	9.6125	9.1943	91.998	8.002	
GJ9K4	4.386	17.0021	15.2089	85.786	14.214	
GJ9K7	4.386	12.6513	10.9622	79.564	20.436	
GJ9LA	4.386	13.4479	11.4984	78.487	21.513	
GJ9LJ	4.386	21.419	17.6098	77.636	22.364	
GJ9VD	4.386	14.1	13.5662	94.505	5.495	
GJ9VH	4.386	15.2393	13.6352	85.220	14.780	
GJ9VM	4.386	13.4002	12.5147	90.177	9.823	
GJ9VR	4.386	16.964	14.7145	82.116	17.884	
GJ9VX	4.386	14.7151	12.979	83.192	16.808	
GJ9V1	4.386	13.2142	11.6058	81.781	18.219	
GJ9V2	4.386	16.2619	15.4903	93.503	6.497	
GJ9V5	4.386	22.8864	19.795	83.290	16.710	
GJ9V7	4.386	14.7478	13.4046	87.037	12.963	
GJ9V8	4.386	14.8635	14.2609	94.249	5.751	
GJ9WH	4.386	16.7754	15.0804	86.319	13.681	
GJ9WL	4.386	15.9068	14.6802	89.353	10.647	
GJ9WM	4.386	17.1241	14.9236	82.725	17.275	
GJ9WQ	4.386	22.444	20.0552	86.772	13.228	
GJ99W	4.386	8.7408	8.2737	89.274	10.726	
GJ99W-X	4.386	10.6943	10.0617	89.972	10.028	
	4.386			100.000	0.000	

%MS 4182491

TS 4182490

STL North Canton General Chemistry Data Review Checklist

Parameter(s): TOC

Batch(es): 4191434

Method #/SOP#: 9060

Review Items	Level I Review			Level II Review		
A. Initial Calibration	YES	NO	N/A	YES	NO	N/A
1. Initial calibration correlation coefficient ≥ 0.995?	✓			X		
2. Calibration curve consist of the minimum number of calibration standards?	✓			X		
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)	✓			X		
4. ICB analyzed immediately after ICV and within criteria (± RL)?	✓			X		
B. Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?	✓			X		
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?	✓			X		
C. Sample Results						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?	✓			X		
2. All reported results bracketed by in control QC ?	✓			X		
3. Sample analyses done within holding time ?	✓			X		
D. Quality Control						
1. LCS per prep batch and within QC limits ? *(LCSD, where applicable)*	✓			X		
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	✓			X		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?	✓			X		
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?			✓			X
E. Titrant						
1. Titrant standardized?			✓			X
2. If no, standardization expires			✓			
F. Other						
1. Are all nonconformances documented appropriately (NCM or narrative)?			✓			X
2. Calculations checked for error ?	✓			X		
3. Transcriptions checked for error ?			✓	X		
4. All client/project specific requirements met ?	✓			X		
5. Date/time of preparation and analysis verified as correct ?	✓			X		
6. Units verified as correct?	✓			X		
7. Dilutions have been properly applied and RL's adjusted appropriately?	✓					X
8. SOP followed?	✓			X		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?	✓			X		
10. All reagent and standard numbers recorded in logbook?	✓			X		
11. Edits dated and initialed	✓			X		

Comment on any "NO" response(s):

Level I reviewer: [signature] Date: 7/12/04

Level II Reviewer: [signature] Date: 7/12/04

Level I review:

N:\QAQC\LAB_FORM\Wet Chemistry Forms\Wet Chem_LevelI.doc
Corporate Policy, QA-012
Revision date: 08/25/00

Para 4191757

```
*****************************************************************
**          OI Analytical Model 1010 TOC          **
**                RUN SETUP                       **
*****************************************************************

Operator:  Unknown
Data Path:  C:\PROGRA~1\OIANAL~1\TOCREP~1\DATA10\071004
WinTOC Version:  5.2                Firmware Version:  5.2
WinTOC Revision:  rev 241           Firmware Revision:  rev 364

Report To File:  Enabled            Naming Mode:  Automatic
Prefix:  0710  Index:   0

*****************************************************************
**              CONFIGURATION                       **
*****************************************************************

Analysis Mode:  TIC/TOC    Spl Intro:  Autosampler 53
Remote Start :  OFF

Loop Size:  1 mL      Actual Volume  1mL  5mL  10mL  25mL
              ------------- ---- ---- ----- -----
              Loop A (uL):  1000  5000  10000  25000
              Loop B (uL):  1000  5000  10000  25000

Tray Type:          53 Vial  Vial Option:      Septum Piercing
Needle Depth:       94 %   Preacid Volume (uL):        200
Wash Needle Depth:  94 %   Preacid Purge Time (min:sec):  0:30

        TIC   TOC   TC
Blank   ----  ----  ----        Linearization Coeff:  61000
 Average:  57   232   260

                 Sample Transfer Times (sec)
      Initial Fill     |      Loop Fill      | Sample Inject
   Non-AS   AS  AS w/Sep | Non-AS   AS  AS w/Sep |   (all)
   ------ ----- -------- | ------  ----- -------- | -------------
1mL:   6.0   4.5     3.5 |  1.2   1.2     1.0 |    4.5
5mL:   8.1   7.2     6.8 |  5.1   5.1     4.2 |    9.3
10mL:  14.2  12.2    11.0 |  10.5  10.5    11.0 |   16.5
25mL:  35.0  35.0    32.0 |  n/a   n/a     n/a |   38.0

Analog Concentration Signal indicates TOC
Analog Conc. Signal Timer is OFF, Timer duration (h:m:s): 00:00:00
Min Signal Range:  0.000 ppmC,  Max Signal Range:  0.000 ppmC

Alarms DISABLED
Alarm Relay Timer is OFF, Timer duration (h:m:s): 00:00:00
    Conc. Alarm Setpoints (ppm C)
      Low    |   High
```

Sodium Persulfate
WR 40710

Phosphoric acid
WR 40711

Std
TC-4036

LCS
P076-516
TU = 68.7

	---	---
TIC:	0.000	0.000
TOC:	0.000	0.000
TC:	0.000	0.000

****
** CALIBRATION **
****

7/08/04 Thu Jul 08 12:30:40 2004

Std. #	Used	Conc. (ppm)	Volume (mL)	
				RF (ugC/k-cts): 1.312
1	Yes	1.000	2.000	R-Squared: 1.0000
2	Yes	5.000	2.000	Offset (cts): 1300
3	Yes	25.000	2.000	Offset (ugC): -1.707
4	Yes	50.000	2.000	Calibration Mode: TOC
5	No	0.000	2.000	Allow Editing: No

Rep	Std. 1	Std. 2	Std. 3	Std. 4	Std. 5
1	2654	9066	39469	77446	-
2	-	-	-	-	-
3	-	-	-	-	-
4	-	-	-	-	-
5	-	-	-	-	-
6	-	-	-	-	-
7	-	-	-	-	-
8	-	-	-	-	-
9	-	-	-	-	-
10	-	-	-	-	-

(* = unused)

****
** METHODS **
****

TOC Thu Jul 08 11:05:19 2004

Acid Volume: 200 uL Rinse Volume (mL): 25
Oxidant Volume: 1000 uL Rinses Per Rep: 1
Auto-Repeat Time: 00:00:00 (hr:min:sec) Rinses Per Sample: 1

	TIC	TOC	TC
React: (min:sec):	01:00	01:00	02:30
Detect: (min:sec):	01:00	01:10	01:30

****
** SEQUENCE **
****

START Fri Jul 09 08:52:51 2004

Start Pos/Vial #: 1, Stop Pos/Vial #: 4

Pos/ Vial	Sample Name	Method	Run Type	# Rep	Vol (mL)	# Blk	Dil Fact	Ovr Rng	Remarks
1	zzz	toc	Sample	4	2.000	0	1.00	No	
2	ICV	toc	Chk. 2	1	2.000	0	1.00	No	
3	ICB	toc	Sample	1	2.000	0	1.00	No	
4	LCS (P076-516)	toc	Sample	1	2.000	0	2.00	No	

****
** RESULTS - START **
****

Pos/Vial: 1 Name: zzz Analyzed: 10Jul2004 12:51
Run ID: 0 Meth: toc Vol (mL): 2.000
Remarks: <none>

SAMPLES Rep	Datafile	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (ppm)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (ppm)	TC Area (cts)	TC Mass (ugC)	TC Conc (ppm)
1	0710000	10Jul2004	12:51	689	0.829	0.415	441	0.274	0.137	-	-	-
2	0710000	10Jul2004	12:58	128	0.093	0.047	445	0.280	0.140	-	-	-
3	0710000	10Jul2004	13:05	87	0.039	0.020	428	0.257	0.129	-	-	-
4	0710000	10Jul2004	13:12	122	0.085	0.043	407	0.230	0.115	-	-	-
Avg				256	0.262	0.131	430	0.260	0.130			
Std.Dev.				288.900		17.115						
RSD (%)				112.63		3.98						

Pos/Vial: 2 Name: ICV Analyzed: 10Jul2004 13:20
Run ID: 1 Meth: toc Vol (mL): 2.000
Remarks: <none>

CHK. 2 Rep	Datafile	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (ppm)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (ppm)	TC Area (cts)	TC Mass (ugC)	TC Conc (ppm)
1	0710001	10Jul2004	13:20	-	-	-	39379	49.976	24.988	-	-	-

Pos/Vial: 3 Name: ICB Analyzed: 10Jul2004 13:28
Run ID: 2 Meth: toc Vol (mL): 2.000
Remarks: <none>

SAMPLES Rep	Datafile	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (ppm)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (ppm)	TC Area (cts)	TC Mass (ugC)	TC Conc (ppm)

ICB

--- -------- --------- ----- ------- ------- ---------- ------- ------- ---------- ------- ------- ----------

1 0710002 10Jul2004 13:28 121 0.084 0.042 420 0.247 0.123 - - -

Pos/Vial: 4 Name: LCS (P076-516) Analyzed: 10Jul2004 13:35
Run ID: 3 Meth: toc Vol (mL): 2.000
Remarks: <none>

SAMPLES			TIC	TIC	TIC	TOC	TOC	TOC	TC	TC	TC
			Area	Mass	Conc	Area	Mass	Conc	Area	Mass	Conc
Rep	Datafile	Date Time	(cts)	(ugC)	(ppm)	(cts)	(ugC)	(ppm)	(cts)	(ugC)	(ppm)
1	0710003	10Jul2004 13:35	475	1.097	0.549	53805	140.623	70.312	-	102%	-

****
** OI Analytical Model 1010 TOC **
** RUN SETUP **
****

Operator: Unknown
Data Path: C:\PROGRA~1\OIANAL~1\TOCREP~1\DATA10\071004
WinTOC Version: 5.2 Firmware Version: 5.2
WinTOC Revision: rev 241 Firmware Revision: rev 364

Report To File: Enabled Naming Mode: Automatic
Prefix: 0710 Index: 4

****
** CONFIGURATION **
****

Analysis Mode: TIC/TOC Spl Intro: Autosampler 53
Remote Start : OFF

Loop Size: 1 mL Actual Volume 1mL 5mL 10mL 25mL

Loop A (uL):	1000	5000	10000	25000
Loop B (uL):	1000	5000	10000	25000

Tray Type: 53 Vial Vial Option: Septum Piercing
Needle Depth: 94 % Preacid Volume (uL): 200
Wash Needle Depth: 94 % Preacid Purge Time (min:sec): 0:30

	TIC	TOC	TC
Blank	----	----	----
Average:	57	232	260

Linearization Coeff: 61000

Sample Transfer Times (sec)

Initial Fill			Loop Fill			Sample Inject
Non-AS	AS	AS w/Sep	Non-AS	AS	AS w/Sep	(all)

1mL:	6.0	4.5	3.5	1.2	1.2	1.0	4.5
5mL:	8.1	7.2	6.8	5.1	5.1	4.2	9.3
10mL:	14.2	12.2	11.0	10.5	10.5	11.0	16.5
25mL:	35.0	35.0	32.0	n/a	n/a	n/a	38.0

Analog Concentration Signal indicates TOC
Analog Conc. Signal Timer is OFF, Timer duration (h:m:s): 00:00:00
Min Signal Range: 0.000 ppmC, Max Signal Range: 0.000 ppmC

Alarms DISABLED
Alarm Relay Timer is OFF, Timer duration (h:m:s): 00:00:00
Conc. Alarm Setpoints (ppm C)

	Low	High
TIC:	0.000	0.000
TOC:	0.000	0.000
TC:	0.000	0.000

****
** CALIBRATION **
****

7/08/04 Thu Jul 08 12:30:40 2004

Std. #	Used	Conc. (ppm)	Volume (mL)	
1	Yes	1.000	2.000	RF (ugC/k-cts): 1.312
2	Yes	5.000	2.000	R-Squared: 1.0000
3	Yes	25.000	2.000	Offset (cts): 1300
4	Yes	50.000	2.000	Offset (ugC): -1.707
5	No	0.000	2.000	Calibration Mode: TOC
				Allow Editing: No

Rep	Std. 1	Std. 2	Std. 3	Std. 4	Std. 5
1	2654	9066	39469	77446	-
2	-	-	-	-	-
3	-	-	-	-	-
4	-	-	-	-	-
5	-	-	-	-	-
6	-	-	-	-	-
7	-	-	-	-	-
8	-	-	-	-	-
9	-	-	-	-	-
10	-	-	-	-	-

(* = unused)

****
** METHODS **
****

TOC Thu Jul 08 11:05:19 2004

TOC Thu Jul 08 11:05:19 2004
Acid Volume: 200 uL Rinse Volume (mL): 25
Oxidant Volume: 1000 uL Rinses Per Rep: 1
Auto-Repeat Time: 00:00:00 (hr:min:sec) Rinses Per Sample: 1

	TIC	TOC	TC
React: (min:sec):	01:00	01:00	02:30
Detect: (min:sec):	01:00	01:10	01:30

****
** SEQUENCE **
****

071004 Sat Jul 10 15:07:18 2004

Start Pos/Vial #: 1, Stop Pos/Vial #: 10

Pos/ Vial	Sample Name	Method Type	Run Rep	# Vol (mL)	# Blk	Dil Fact	Ovr Rng	Remarks
1	LEACH BLANK	toc	Sample	4 2.000	0	1.00	No	
2	GJ99W	toc	Sample	4 2.000	0	1.00	No	
3	GJ99W MS	toc	Sample	1 2.000	0	1.00	No	
4	GJ99W MSD	toc	Sample	1 2.000	0	1.00	No	
5	GKAPP	toc	Sample	4 2.000	0	1.00	No	
6	GKAPW	toc	Sample	4 2.000	0	1.00	No	
7	GKAPX	toc	Sample	4 2.000	0	1.00	No	
8	GKAP1	toc	Sample	4 2.000	0	1.00	No	
9	CCV	toc	Sample	1 2.000	0	1.00	No	
10	CCB	toc	Sample	1 2.000	0	1.00	No	

rerun @ 10x

****
** RESULTS - 071004 **
****

Pos/Vial: 1 Name: LEACH BLANK Analyzed: 10Jul2004 15:16
Run ID: 4 Meth: toc Vol (mL): 2.000
Remarks: <none>

SAMPLES Rep	Datafile	Date Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (ppm)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (ppm)	TC Area (cts)	TC Mass (ugC)	TC Conc (ppm)
1	0710004	10Jul2004 15:16	634	0.757	0.379	1096	1.134	0.567	-	-	-
2	0710004	10Jul2004 15:23	494	0.574	0.287	1382	1.509	0.755	-	-	-
3	0710004	10Jul2004 15:30	536	0.629	0.314	1464	1.617	0.808	-	-	-
4	0710004	10Jul2004 15:37	505	0.588	0.294	1417	1.555	0.778	-	-	-
Avg			542	0.637	0.318	1339	1.454	0.727			

X 10 = 7.27

RSD (%) 11.75 12.39

Pos/Vial: 2 Name: GJ99W Analyzed: 10Jul2004 15:45
Run ID: 1 Meth: toc Vol (mL): 2.000
Remarks: <none>

SAMPLES			TIC Area (cts)	TIC Mass (ugC)	TIC Conc (ppm)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (ppm)	TC Area (cts)	TC Mass (ugC)	TC Conc (ppm)
Rep	Datafile	Date Time									
1	0710005	10Jul2004 15:45	10737	14.017	7.009	4530	5.641	2.820	-	-	-
2	0710005	10Jul2004 15:52	10169	13.271	6.636	4457	5.545	2.773	-	-	-
3	0710005	10Jul2004 15:59	10698	13.966	6.983	4698	5.861	2.931	-	-	-
4	0710005	10Jul2004 16:06	10754	14.039	7.020	4651	5.800	2.900	-	-	-
Avg			10589	13.823	6.912	4584	5.712	2.856 x10 = 28.56			
Std.Dev.			281.312		110.348						
RSD (%)			2.66		2.41						

Pos/Vial: 3 Name: GJ99W MS Analyzed: 10Jul2004 16:14
Run ID: 2 Meth: toc Vol (mL): 2.000
Remarks: <none>

SAMPLES			TIC Area (cts)	TIC Mass (ugC)	TIC Conc (ppm)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (ppm)	TC Area (cts)	TC Mass (ugC)	TC Conc (ppm)
Rep	Datafile	Date Time									
1	0710006	10Jul2004 16:14	2437	3.124	1.562	21832	28.349	14.174 X20 = ~~28.348~~ 283.48 mg/L			

Pos/Vial: 4 Name: GJ99W MSD Analyzed: 10Jul2004 16:21
Run ID: 3 Meth: toc Vol (mL): 2.000
Remarks: <none>

spike = 250

SAMPLES			TIC Area (cts)	TIC Mass (ugC)	TIC Conc (ppm)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (ppm)	TC Area (cts)	TC Mass (ugC)	TC Conc (ppm)
Rep	Datafile	Date Time									
1	0710007	10Jul2004 16:21	2378	3.046	1.523	21644	28.102	14.051 X20 = 281.02			

Pos/Vial: 5 Name: GKAPP Analyzed: 10Jul2004 16:29
Run ID: 4 Meth: toc Vol (mL): 2.000
Remarks: <none>

SAMPLES			TIC Area (cts)	TIC Mass (ugC)	TIC Conc (ppm)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (ppm)	TC Area (cts)	TC Mass (ugC)	TC Conc (ppm)
Rep	Datafile	Date Time									

1	0710008	10Jul2004 16:29	3447	4.449	2.225	888	0.861	0.431	-	-	-
2	0710008	10Jul2004 16:36	3472	4.482	2.241	707	0.623	0.312	-	-	-
3	0710008	10Jul2004 16:43	3684	4.760	2.380	730	0.654	0.327	-	-	-
4	0710008	10Jul2004 16:50	3610	4.663	2.332	753	0.684	0.342	-	-	-

GKAPP

Avg	3553	4.589	2.294	769	0.705	0.353 x 10 = 3.53
Std.Dev.	112.852		81.201			
RSD (%)	3.18		10.55			

Pos/Vial: 6 Name: GKAPW Analyzed: 10Jul2004 16:58
Run ID: 5 Meth: toc Vol (mL): 2.000
Remarks: <none>

SAMPLES			TIC Area	TIC Mass	TIC Conc	TOC Area	TOC Mass	TOC Conc	TC Area	TC Mass	TC Conc
Rep	Datafile	Date Time	(cts)	(ugC)	(ppm)	(cts)	(ugC)	(ppm)	(cts)	(ugC)	(ppm)
1	0710009	10Jul2004 16:58	13421	17.540	8.770	107549	140.848	70.424	-	-	-

A-Linear range exceeded (130ugC). 10Jul2004 16:58

2	0710009	10Jul2004 17:05	12936	16.903	8.451	101562	132.990	66.495	-	-	-
3	0710009	10Jul2004 17:12	13613	17.792	8.896	106269	139.168	69.584	-	-	-
4	0710009	10Jul2004 17:19	13727	17.941	8.971	106769	139.824	69.912	-	-	-

Avg	13424	17.544	8.772	105537	138.208	69.104 x 10 = 691.
Std.Dev.	349.134		2702.000			
RSD (%)	2.60		2.56			

rerun @ 10x

Pos/Vial: 7 Name: GKAPX Analyzed: 10Jul2004 17:27
Run ID: 6 Meth: toc Vol (mL): 2.000
Remarks: <none>

SAMPLES			TIC Area	TIC Mass	TIC Conc	TOC Area	TOC Mass	TOC Conc	TC Area	TC Mass	TC Conc
Rep	Datafile	Date Time	(cts)	(ugC)	(ppm)	(cts)	(ugC)	(ppm)	(cts)	(ugC)	(ppm)
1	0710010	10Jul2004 17:27	322	0.348	0.174	1165	1.225	0.612	-	-	-
2	0710010	10Jul2004 17:34	256	0.261	0.131	1099	1.138	0.569	-	-	-
3	0710010	10Jul2004 17:41	266	0.274	0.137	1111	1.154	0.577	-	-	-
4	0710010	10Jul2004 17:48	299	0.318	0.159	1107	1.148	0.574	-	-	-

Avg	285	0.300	0.150	1120	1.166	0.583 x 10 = 5.83
Std.Dev.	30.358		30.083			
RSD (%)	10.62		2.68			

Pos/Vial: 8 Name: GKAP1 Analyzed: 10Jul2004 17:56
Run ID: 7 Meth: toc Vol (mL): 2.000

Remarks: <none>

SAMPLES				TIC	TIC	TIC	TOC	TOC	TOC	TC	TC	TC
			Area	Mass	Conc	Area	Mass	Conc	Area	Mass	Conc	
Rep	Datafile	Date Time	(cts)	(ugC)	(ppm)	(cts)	(ugC)	(ppm)	(cts)	(ugC)	(ppm)	
1	0710011	10Jul2004 17:56	5592	7.264	3.632	2126	2.486	1.243	-	-	-	
2	0710011	10Jul2004 18:03	5349	6.945	3.473	2046	2.381	1.190	-	-	-	
3	0710011	10Jul2004 18:10	5680	7.380	3.690	2112	2.467	1.234	-	-	-	
4	0710011	10Jul2004 18:17	5656	7.348	3.674	2104	2.457	1.229	-	-	-	
Avg			5569	7.235	3.617	2097	2.448	1.224				
Std.Dev.			151.458		35.195							
RSD (%)			2.72		1.68							

$\bar{x} = 102 \pm 12.24$

Pos/Vial: 9 Name: CCV Analyzed: 10Jul2004 18:25
Run ID: 8 Meth: toc Vol (mL): 2.000
Remarks: <none>

SAMPLES				TIC	TIC	TIC	TOC	TOC	TOC	TC	TC	TC
			Area	Mass	Conc	Area	Mass	Conc	Area	Mass	Conc	
Rep	Datafile	Date Time	(cts)	(ugC)	(ppm)	(cts)	(ugC)	(ppm)	(cts)	(ugC)	(ppm)	
1	0710012	10Jul2004 18:25	230	0.227	0.113	38837	50.667	25.333	-	-	-	

Pos/Vial: 10 Name: CCB Analyzed: 10Jul2004 18:33
Run ID: 9 Meth: toc Vol (mL): 2.000
Remarks: <none>

SAMPLES				TIC	TIC	TIC	TOC	TOC	TOC	TC	TC	TC
			Area	Mass	Conc	Area	Mass	Conc	Area	Mass	Conc	
Rep	Datafile	Date Time	(cts)	(ugC)	(ppm)	(cts)	(ugC)	(ppm)	(cts)	(ugC)	(ppm)	
1	0710013	10Jul2004 18:33	142	0.112	0.056	392	0.210	0.105	-	-	-	

****
** OI Analytical Model 1010 TOC **
** RUN SETUP **
****

Operator: Unknown
Data Path: C:\PROGRA~1\OIANAL~1\TOCREP~1\DATA10\071004
WinTOC Version: 5.2 Firmware Version: 5.2
WinTOC Revision: rev 241 Firmware Revision: rev 364

Report To File: Enabled Naming Mode: Automatic
Prefix: 0710 Index: 14

```
*****************************************************************
**                CONFIGURATION                  **
*****************************************************************

Analysis Mode:  TIC/TOC    Spl Intro:  Autosampler 53
Remote Start :  OFF

Loop Size:  1 mL      Actual Volume  1mL   5mL   10mL   25mL
                 ------------  ----  ----  -----  -----
                 Loop A (uL):  1000  5000  10000  25000
                 Loop B (uL):  1000  5000  10000  25000

Tray Type:          53 Vial  Vial Option:       Septum Piercing
Needle Depth:        94 %    Preacid Volume (uL):          200
Wash Needle Depth:    94 %    Preacid Purge Time (min:sec):   0:30

        TIC   TOC   TC
Blank    ----  ----  ----          Linearization Coeff:  61000
 Average:   57   232   260

                 Sample Transfer Times (sec)
      Initial Fill     |      Loop Fill      | Sample Inject
   Non-AS    AS  AS w/Sep | Non-AS    AS  AS w/Sep |    (all)
   ------  ----- -------- | ------  ----- -------- | -------------
1mL:   6.0   4.5     3.5 |   1.2   1.2     1.0 |     4.5
5mL:   8.1   7.2     6.8 |   5.1   5.1     4.2 |     9.3
10mL:  14.2  12.2    11.0 |  10.5  10.5    11.0 |    16.5
25mL:  35.0  35.0    32.0 |   n/a   n/a     n/a |    38.0

Analog Concentration Signal indicates TOC
Analog Conc. Signal Timer is OFF, Timer duration (h:m:s): 00:00:00
Min Signal Range:   0.000 ppmC,  Max Signal Range:   0.000 ppmC

Alarms DISABLED
Alarm Relay Timer is OFF, Timer duration (h:m:s): 00:00:00
     Conc. Alarm Setpoints (ppm C)
       Low     |   High
    ----------- | -----------
TIC:    0.000        0.000
TOC:    0.000        0.000
TC:     0.000        0.000

*****************************************************************
**                CALIBRATION                    **
*****************************************************************

7/08/04  Thu Jul 08 12:30:40 2004

Std. #  Used  Conc. (ppm)  Volume (mL)
------  ----  -----------  -----------    RF (ugC/k-cts):   1.312
  1    Yes       1.000        2.000     R-Squared:       1.0000
```

2	Yes	5.000	2.000	Offset (cts):	1300
3	Yes	25.000	2.000	Offset (ugC):	-1.707
4	Yes	50.000	2.000	Calibration Mode:	TOC
5	No	0.000	2.000	Allow Editing:	No

Rep	Std. 1	Std. 2	Std. 3	Std. 4	Std. 5
1	2654	9066	39469	77446	-
2	-	-	-	-	-
3	-	-	-	-	-
4	-	-	-	-	-
5	-	-	-	-	-
6	-	-	-	-	-
7	-	-	-	-	-
8	-	-	-	-	-
9	-	-	-	-	-
10	-	-	-	-	-

(* = unused)

****
** METHODS **
****

DEFAULT Tue Jul 06 09:24:47 2004

Acid Volume: 200 uL Rinse Volume (mL): 20
Oxidant Volume: 1000 uL Rinses Per Rep: 1
Auto-Repeat Time: 00:00:00 (hr:min:sec) Rinses Per Sample: 1

	TIC	TOC	TC
React: (min:sec):	02:00	02:30	02:30
Detect: (min:sec):	01:00	01:30	01:30

****
** SEQUENCE **
****

OI_CLEANUP Mon Jul 12 07:36:30 2004

Start Pos/Vial #: 1, Stop Pos/Vial #: 1

Pos/ Vial	Sample Name	Method	Run Type	# Rep	Vol (mL)	# Blk	Dil Fact	Ovr Rng	Remarks
1	cleanup	default	Blank	0	2.000	15	0.00	No	

****
** RESULTS - OI_CLEANUP **
****

STL – NORTH CANTON
D.I. LEACH LOGSHEET

Prep Date 7/9/04

Analyst(s) MFG

Batch 4191434 / 4199468

Start Time 19:35

End Time 20:35

TOC 9060 FM

Sample	Sample Amount (g)	D.I. Water Volume (mL)	Comments
LBlank	10	100	ottowa Sand
GJ99W	20	200	
GKAPP	8	80	
GKAPW	8	80	
GKAPX	8	80	
GKAPI	8	80	

MFG 7/9/04

STL North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by	Analysis Date	Analyzed by
A4F300237	1		GJ99W1AA	Solids, Percent (as TS - 160.3 MOD) - Solids	06/30/04	Angela Matthews	07/01/04	Angela Matthews
A4F300237	1		GJ99W1AC	Carbon, Total Organic "TOC" (9060)	07/10/04	Melissa Fuller-Gustavel	07/10/04	Loren Hazelwood
A4F300237	1	S	GJ99W1AE	Carbon, Total Organic "TOC" (9060)	07/10/04	Melissa Fuller-Gustavel	07/10/04	Loren Hazelwood
A4F300237	1	D	GJ99W1AF	Carbon, Total Organic "TOC" (9060)	07/10/04	Melissa Fuller-Gustavel	07/10/04	Loren Hazelwood
A4F300237	1	X	GJ99W1AD	Solids, Percent (as TS - 160.3 MOD) - Solids	06/30/04	Angela Matthews	07/01/04	Angela Matthews

END OF REPORT