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SEVERN TRENT STL

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ANALYTICAL REPORT

PROJECT NO. 100.58.21

EMD OH

Lot #: A4J290129

Angela Hurley

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

SEVERN TRENT LABORATORIES, INC.

Roger K. Toth
Project Manager

November 24, 2004

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CASE NARRATIVE

CASE NARRATIVE

A4J290129

The following report contains the analytical results for eight water samples and one quality control sample submitted to STL North Canton by The Payne Firm, Inc. from the EMD OH Site, project number 100.58.21. The samples were received October 29, 2004, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Angela Hurley and Kevin Kallini on November 11, 2004. A summary of QC data for these analyses is included at the back of the report.

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

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

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

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

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 2.6°C.

CASE NARRATIVE (continued)

GC/MS VOLATILES

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

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

The matrix spike/matrix spike duplicate(s) for batch(es) 4314481 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

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

QC BATCH

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

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

LABORATORY CONTROL SAMPLE

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

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

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL), the analytes were greater than 10 times the blank level for organics or 20 times for inorganics, or the associated sample(s) must be ND except for the common laboratory contaminants indicated below.

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

** for analyses run on TJA Trace ICP only*

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

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

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

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

SURROGATE COMPOUNDS

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

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

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

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

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EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A4J290129

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
WRPZ05/102804 10/28/04 09:45 001				
1,4-Dioxane	130	50	ug/L	SW846 8260B
WRPZ20/102804 10/28/04 09:46 002				
Acetone	3.3 J,B	10	ug/L	SW846 8260B
Acetonitrile	7.8 J	20	ug/L	SW846 8260B
2-Butanone	0.93 J	10	ug/L	SW846 8260B
DW003/102804 10/28/04 12:17 006				
1,2-Dichloroethane	0.51 J	1.0	ug/L	SW846 8260B
TRIP BLANK 10/28/04 009				
Acetone	2.2 J,B	10	ug/L	SW846 8260B

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METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A4J290129

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

References:

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

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SAMPLE SUMMARY

SAMPLE SUMMARY

A4J290129

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GVR2A	001	WRPZ05/102804	10/28/04	09:45
GVR2E	002	WRPZ20/102804	10/28/04	09:46
GVR2F	003	WRPZ10/102804	10/28/04	10:08
GVR2G	004	WRPZ15/102804	10/28/04	10:20
GVR2H	005	DW002/102804	10/28/04	11:16
GVR2K	006	DW003/102804	10/28/04	12:17
GVR2L	007	DW004/102804	10/28/04	12:56
GVR2M	008	DW001/102804	10/28/04	13:42
GVR2N	009	TRIP BLANK	10/28/04	

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.

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SHIPPING AND RECEIVING DOCUMENTS

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: The Payne Film	Project Manager: Kevin Kallini	Date: 10/28/04	Chain of Custody Number: 173579
Address: 11231 Cornell Park Drive	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: M. Backherms	Lab Contact: R. Toth	
Project Name and Location (State): EMD OH	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 100.58.21			

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

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC 8260*	Special Instructions/ Conditions of Receipt
WRP205/102804	10/28/04	0946		X						3			X	*Appendix IX
WRP220/102804		0946								3				
WRP210/102804		1008								3				
WRP215/102804		1020								3				
DW002/102804		1116								3				
DW003/102804		1217								3				
DW004/102804		1256								3				
DW001/102804		1342								3				
TRIPBLANK	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 4

1. Relinquished By: Mia Hanna	Date: 10/28/04	Time: 1710	1. Received By: Amy Greene	Date: 10/28/04	Time: 1710
2. Relinquished By: Amy Greene	Date: 10/28/04	Time: 1720	2. Received By: Ann Maddux	Date: 10/28/04	Time: 0910
3. Relinquished By	Date	Time	3. Received By	Date: 10/29	Time

Comments

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

STL North Canton

STL Cooler Receipt Form/Narrative **Lot Number:** A4J290129
North Canton Facility

Client: The Payne Firm Project: EMD, OH Quote#: _____
Cooler Received on: ~~10-28-04~~ @ 10/29/04 Opened on: ~~10-28-04~~ @ 10/29/04 by: Ann Maddux (Signature)

Fedx ☐ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☑ Other: Stetson Courier
STL Cooler No# R110 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 2.6 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☑ ICE/H_2O Slurry ☐
COOLANT: Wet Ice ☑ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

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

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

√

1. CHAIN OF CUSTODY

The following discrepancies occurred:

2. SAMPLE CONDITION

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

3. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot #052804-HNO3; Sulfuric Acid Lot # 011-504-H2SO4; Sodium Hydroxide Lot # -082404-NaOH; Hydrochloric Acid Lot # 100902-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*
Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials

SOP: NC-SC-0005, Sample Receiving
N:\QAQC\NARRATIV\STL\Cooler Receipt STL\COOLER STL Rev45 09?204.doc

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp	Method	Coolant

Discrepancies Cont.

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GCMS VOLATILE DATA

SEVERN TRENT STL

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

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

Lab Code: STLCAN SDG No: 4J29129

Lot #: A4J290129

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	WRPZ05/102804	105	127	92	86	00
02	WRPZ20/102804	104	120	87	77	00
03	WRPZ10/102804	111	122	97	88	00
04	WRPZ15/102804	105	119	93	83	00
05	DW002/102804	118	131*	100	89	01
06	DW003/102804	112	122	87	80	00
07	DW004/102804	106	118	90	78	00
08	DW001/102804	121	130*	98	88	01
09	TRIP BLANK	108	124	88	82	00
10	INTRA-LAB QC	106	118	96	88	00
11	METHOD BLK. GWJ711AA	100	110	100	91	00
12	LCS GWJ711AC	104	116	101	98	00
13	LAB MS/MSD D	103	119	97	95	00
14	LCSD GWJ711AD	104	118	101	99	00
15	LAB MS/MSD S	104	114	96	92	00

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

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

FORM II

SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4J29129

Lot #: A4K090000 WO #: GWJ711AC
BATCH: 4314481

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Xylenes (total)	30	30	101	87- 116	
cis-1,2-Dichloroethene	10	11	105	85- 113	
trans-1,2-Dichloroethene	10	9.2	92	79- 120	
Dichlorodifluoromethane	10	9.1	91	70- 130	
Trichlorofluoromethane	10	9.7	97	70- 130	
1,1,2-Trichloro-1,2,2-tri	10	9.6	96	70- 130	
Methyl acetate	10	5.0	50*	70- 130	a
Methyl tert-butyl ether (	10	13	127	70- 130	
Cyclohexane	10	8.3	83	70- 130	
Methylcyclohexane	10	8.1	81	70- 130	
1,2-Dibromoethane	10	10	101	70- 130	
Isopropylbenzene	10	9.8	98	70- 130	
1,3-Dichlorobenzene	10	9.5	95	70- 130	
1,4-Dichlorobenzene	10	10	100	70- 130	
1,2-Dichlorobenzene	10	9.9	99	70- 130	
1,2-Dibromo-3-chloropropa	10	8.2	82	70- 130	
1,2,4-Trichlorobenzene	10	9.3	93	70- 130	
Chloromethane	10	9.4	94	48- 123	
Bromomethane	10	8.0	80	64- 129	
Vinyl chloride	10	9.4	94	61- 120	
Chloroethane	10	8.9	89	66- 126	
Methylene chloride	10	10	103	78- 118	
Acetone	10	12	119	22- 200	
Carbon disulfide	10	8.9	89	73- 139	
1,1-Dichloroethene	10	11	111	63- 130	
1,1-Dichloroethane	10	11	114	86- 123	
1,2-Dichloroethene (total	20	20	98	82- 116	
Chloroform	10	11	110	84- 128	
1,2-Dichloroethane	10	12	116	79- 136	
2-Butanone	10	9.4	94	28- 237	
1,1,1-Trichloroethane	10	12	119	78- 140	

(Continued on next page)

SW846 8260B CHECK SAMPLE RECOVERY

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

Lab Code: STLCAN SDG No: 4J29129

Lot #: A4K090000 WO #: GWJ711AC
BATCH: 4314481

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Carbon tetrachloride	10	11	108	75- 149	
Bromodichloromethane	10	11	113	87- 130	
1,2-Dichloropropane	10	11	106	82- 115	
cis-1,3-Dichloropropene	10	12	116	84- 130	
Trichloroethene	10	10	101	75- 122	
Dibromochloromethane	10	11	111	81- 138	
1,1,2-Trichloroethane	10	9.9	99	83- 122	
Benzene	10	10	101	80- 116	
trans-1,3-Dichloropropene	10	10	102	84- 130	
Bromoform	10	9.8	98	76- 150	
4-Methyl-2-pentanone	10	10	104	78- 141	
2-Hexanone	10	9.1	91	35- 200	
Tetrachloroethene	10	10	103	88- 113	
1,1,2,2-Tetrachloroethane	10	8.8	88	85- 118	
Toluene	10	11	108	74- 119	
Chlorobenzene	10	10	102	76- 117	
Ethylbenzene	10	10	102	86- 116	
Styrene	10	10	101	85- 117	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 1 out of 49 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4J29129

Lot #: A4K090000 WO #: GWJ711AD
BATCH: 4314481

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Chloromethane	10	9.1	91	48- 123	
Bromomethane	10	8.3	83	64- 129	
Vinyl chloride	10	9.5	95	61- 120	
Chloroethane	10	8.4	84	66- 126	
Methylene chloride	10	10	100	78- 118	
Acetone	10	12	121	22- 200	
Carbon disulfide	10	9.0	90	73- 139	
1,1-Dichloroethene	10	11	109	63- 130	
1,1-Dichloroethane	10	11	115	86- 123	
1,2-Dichloroethene (total	20	21	107	82- 116	
Chloroform	10	11	109	84- 128	
1,2-Dichloroethane	10	12	116	79- 136	
2-Butanone	10	9.4	94	28- 237	
1,1,1-Trichloroethane	10	12	122	78- 140	
Carbon tetrachloride	10	11	109	75- 149	
Bromodichloromethane	10	12	119	87- 130	
1,2-Dichloropropane	10	11	108	82- 115	
cis-1,3-Dichloropropene	10	11	114	84- 130	
Trichloroethene	10	10	105	75- 122	
Dibromochloromethane	10	11	109	81- 138	
1,1,2-Trichloroethane	10	9.5	95	83- 122	
Benzene	10	10	105	80- 116	
trans-1,3-Dichloropropene	10	10	102	84- 130	
Bromoform	10	9.8	98	76- 150	
4-Methyl-2-pentanone	10	10	102	78- 141	
2-Hexanone	10	9.0	90	35- 200	
Tetrachloroethene	10	10	102	88- 113	
1,1,2,2-Tetrachloroethane	10	9.1	91	85- 118	
Toluene	10	11	106	74- 119	
Chlorobenzene	10	10	104	76- 117	
Ethylbenzene	10	11	107	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: 4J29129

Lot #: A4K090000 WO #: GWJ711AD
BATCH: 4314481

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Styrene	10	10	100	85- 117	
Xylenes (total)	30	30	99	87- 116	
cis-1,2-Dichloroethene	10	11	113	85- 113	
trans-1,2-Dichloroethene	10	10	102	79- 120	
Dichlorodifluoromethane	10	8.7	87	70- 130	
Trichlorofluoromethane	10	9.8	98	70- 130	
1,1,2-Trichloro-1,2,2-tri	10	9.2	92	70- 130	
Methyl acetate	10	5.3	53*	70- 130	a
Methyl tert-butyl ether (	10	13	128	70- 130	
Cyclohexane	10	8.4	84	70- 130	
Methylcyclohexane	10	8.0	80	70- 130	
1,2-Dibromoethane	10	10	100	70- 130	
Isopropylbenzene	10	9.8	98	70- 130	
1,3-Dichlorobenzene	10	9.7	97	70- 130	
1,4-Dichlorobenzene	10	10	102	70- 130	
1,2-Dichlorobenzene	10	9.9	99	70- 130	
1,2-Dibromo-3-chloropropa	10	8.1	81	70- 130	
1,2,4-Trichlorobenzene	10	10	100	70- 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 1 out of 49 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4J29129

Matrix Spike ID: LAB MS/MSD

Lot #: A4J300208 WO #: GVX0W1AC
BATCH: 4314481

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	1700	ND	1900	111	62- 130	
Chloromethane	1700	ND	1400	84	40- 137	
Bromomethane	1700	ND	1300	76	55- 145	
Vinyl chloride	1700	ND	1600	94	88- 126	
Chloroethane	1700	ND	1400	85	59- 142	
Methylene chloride	1700	77	1700	100	82- 115	
Acetone	1700	170	1100	55	45- 128	
Carbon disulfide	1700	ND	1500	89	69- 138	
1,1-Dichloroethane	1700	ND	1900	112	88- 127	
1,2-Dichloroethene (total	3300	ND	3300	99	86- 115	
Chloroform	1700	ND	1800	108	83- 141	
1,2-Dichloroethane	1700	ND	2000	117	71- 160	
2-Butanone	1700	ND	1200	74	71- 123	
1,1,1-Trichloroethane	1700	ND	2000	122	71- 162	
Carbon tetrachloride	1700	ND	1900	116	63- 176	
Bromodichloromethane	1700	ND	1900	113	80- 146	
1,2-Dichloropropane	1700	ND	1700	102	87- 114	
cis-1,3-Dichloropropene	1700	ND	1800	105	82- 130	
Trichloroethene	1700	ND	1700	105	62- 130	
Dibromochloromethane	1700	ND	1800	107	71- 158	
1,1,2-Trichloroethane	1700	ND	1600	94	86- 129	
Benzene	1700	ND	1600	99	78- 118	
trans-1,3-Dichloropropene	1700	ND	1600	97	73- 147	
Bromoform	1700	ND	1600	93	58- 176	
4-Methyl-2-pentanone	1700	ND	1600	94	82- 135	
2-Hexanone	1700	ND	1100	67*	81- 128	a
Tetrachloroethene	1700	ND	1800	106	85- 121	
1,1,2,2-Tetrachloroethane	1700	ND	1400	84*	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: 4J29129

Matrix Spike ID: LAB MS/MSD

Lot #: A4J300208 WO #: GVX0W1AC
BATCH: 4314481

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Toluene	1700	ND	1700	103	70- 119	
Chlorobenzene	1700	ND	1600	97	76- 117	
Ethylbenzene	1700	ND	1600	97	86- 132	
Styrene	1700	ND	1600	94	83- 120	
Xylenes (total)	5000	ND	4900	97	89- 121	
cis-1,2-Dichloroethene	1700	ND	1700	99	87- 114	
trans-1,2-Dichloroethene	1700	ND	1600	99	85- 116	
Dichlorodifluoromethane	1700	ND	1600	98	70- 130	
Trichlorofluoromethane	1700	ND	1800	107	70- 130	
1,1,2-Trichloro-1,2,2-tri	1700	ND	1800	107	70- 130	
Methyl acetate	1700	ND	890	53*	70- 130	a
Methyl tert-butyl ether (	1700	5100	6600	93	70- 130	
Cyclohexane	1700	ND	1400	84	70- 130	
Methylcyclohexane	1700	ND	1600	96	70- 130	
1,2-Dibromoethane	1700	ND	1600	95	70- 130	
Isopropylbenzene	1700	ND	1600	95	70- 130	
1,3-Dichlorobenzene	1700	ND	1500	88	70- 130	
1,4-Dichlorobenzene	1700	ND	1600	98	70- 130	
1,2-Dichlorobenzene	1700	ND	1600	93	70- 130	
1,2-Dibromo-3-chloropropa	1700	ND	1200	71	70- 130	
1,2,4-Trichlorobenzene	1700	ND	1300	78	70- 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

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

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

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4J29129

Matrix Spike ID: LAB MS/MSD

Lot #: A4J300208 WO #: GVX0W1AD
BATCH: 4314481

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	1700	1800	107	3.7	20	62- 130	
Chloromethane	1700	1400	85	1.8	39	40- 137	
Bromomethane	1700	1300	80	5.6	30	55- 145	
Vinyl chloride	1700	1500	90	4.5	30	88- 126	
Chloroethane	1700	1300	81	5.0	30	59- 142	
Methylene chloride	1700	1800	101	1.5	30	82- 115	
Acetone	1700	1100	57	2.1	30	45- 128	
Carbon disulfide	1700	1500	88	1.1	41	69- 138	
1,1-Dichloroethane	1700	1900	112	0.33	30	88- 127	
1,2-Dichloroethene (total	3300	3200	97	2.4	30	86- 115	
Chloroform	1700	1900	112	3.5	30	83- 141	
1,2-Dichloroethane	1700	2000	118	0.21	30	71- 160	
2-Butanone	1700	1200	74	0.63	30	71- 123	
1,1,1-Trichloroethane	1700	2000	121	0.73	30	71- 162	
Carbon tetrachloride	1700	1800	109	6.6	30	63- 176	
Bromodichloromethane	1700	1900	113	0.050	30	80- 146	
1,2-Dichloropropane	1700	1700	103	0.65	30	87- 114	
cis-1,3-Dichloropropene	1700	1800	109	3.3	30	82- 130	
Trichloroethene	1700	1700	104	0.94	20	62- 130	
Dibromochloromethane	1700	1800	106	0.14	30	71- 158	
1,1,2-Trichloroethane	1700	1500	92	2.2	30	86- 129	
Benzene	1700	1700	101	2.7	20	78- 118	
trans-1,3-Dichloropropene	1700	1700	99	2.2	30	73- 147	
Bromoform	1700	1600	96	2.6	30	58- 176	
4-Methyl-2-pentanone	1700	1700	99	5.8	30	82- 135	
2-Hexanone	1700	1100	67*	0.26	30	81- 128	a
Tetrachloroethene	1700	1700	104	1.8	30	85- 121	
1,1,2,2-Tetrachloroethane	1700	1500	88	4.0	30	88- 116	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: STLCAN SDG No: 4J29129

Matrix Spike ID: LAB MS/MSD

Lot #: A4J300208 WO #: GVX0W1AD
BATCH: 4314481

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Toluene	1700	1700	105	1.4	20	70- 119	
Chlorobenzene	1700	1700	101	3.6	20	76- 117	
Ethylbenzene	1700	1700	102	4.9	30	86- 132	
Styrene	1700	1700	101	6.4	30	83- 120	
Xylenes (total)	5000	4900	98	1.0	30	89- 121	
cis-1,2-Dichloroethene	1700	1700	102	2.9	30	87- 114	
trans-1,2-Dichloroethene	1700	1500	91	7.9	30	85- 116	
Dichlorodifluoromethane	1700	1500	88	10	30	70- 130	
Trichlorofluoromethane	1700	1600	96	11	30	70- 130	
1,1,2-Trichloro-1,2,2-tri	1700	1500	88	19	30	70- 130	
Methyl acetate	1700	1000	62*	15	30	70- 130	a
Methyl tert-butyl ether (	1700	6600	95	0.55	30	70- 130	
Cyclohexane	1700	1300	76	11	30	70- 130	
Methylcyclohexane	1700	1300	76	24	30	70- 130	
1,2-Dibromoethane	1700	1600	96	0.62	30	70- 130	
Isopropylbenzene	1700	1600	97	1.8	30	70- 130	
1,3-Dichlorobenzene	1700	1600	96	8.2	30	70- 130	
1,4-Dichlorobenzene	1700	1700	102	3.9	30	70- 130	
1,2-Dichlorobenzene	1700	1600	98	4.9	30	70- 130	
1,2-Dibromo-3-chloropropa	1700	1300	79	11	30	70- 130	
1,2,4-Trichlorobenzene	1700	1500	91	16	30	70- 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

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

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

COMMENTS:

FORM III

BLANK WORKORDER NO.

GWJ711AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:4J29129

Lab File ID: UX120835.

Lot Number: A4J290129

Date Analyzed: 11/08/04

Time Analyzed: 17:39

Matrix: WATER

Date Extracted:11/08/04

GC Column: DB-624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX12

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	WRPZ05/102804	GVR2A1AA	UX120848.	11/08/04	22:56
02	WRPZ20/102804	GVR2E1AA	UX120849.	11/08/04	23:21
03	WRPZ10/102804	GVR2F1AA	UX120850.	11/08/04	23:45
04	WRPZ15/102804	GVR2G1AA	UX120851.	11/09/04	00:09
05	DW002/102804	GVR2H1AA	UX120852.	11/09/04	00:33
06	DW003/102804	GVR2K1AA	UX120853.	11/09/04	00:58
07	DW004/102804	GVR2L1AA	UX120854.	11/09/04	01:22
08	DW001/102804	GVR2M1AA	UX120855.	11/09/04	01:47
09	TRIP BLANK	GVR2N1AA	UX120856.	11/09/04	02:10
10	INTRA-LAB QC	GVX0W1AA	UX120842.	11/08/04	20:30
11	LAB MS/MSD	GVX0W1AC S	UX120843.	11/08/04	20:54
12	LAB MS/MSD	GVX0W1AD D	UX120844.	11/08/04	21:18
13	CHECK SAMPLE	GWJ711AC C	UX120832.	11/08/04	16:25
14	DUPLICATE CHECK	GWJ711AD L	UX120833.	11/08/04	16:50
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16					
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30					

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.: 4J29129

Lab File ID: BFB786 BFB Injection Date: 09/28/04

Instrument ID: A3UX12 BFB Injection Time: 1934

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	18.8
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.7
173	Less than 2.0% of mass 174	0.6 (0.8)1
174	50.0 - 100.0% of mass 95	78.6
175	5.0 - 9.0% of mass 174	5.7 (7.3)1
176	Greater than 95.0%, but less than 101.0% of mass 174	76.0 (96.7)1
177	5.0 - 9.0% of mass 176	5.4 (7.1)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0.5	2.5NG-A9-IC	UX129645	09/28/04	2358
02	VSTD001	5NG-A9-IC	UX129646	09/29/04	0022
03	VSTD005	25NG-A9-IC	UX129647	09/29/04	0047
04	VSTD010	50NG-A9-IC	UX129648	09/29/04	0111
05	VSTD020	100NG-A9-IC	UX129649	09/29/04	0136
06	VSTD050	250NG-A9-IC	UX129650	09/29/04	0200
07					
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17					
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20					
21					
22					

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

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4J29129

Lab File ID: BFB809 BFB Injection Date: 10/19/04

Instrument ID: A3UX12 BFB Injection Time: 1741

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	23.8
75	30.0 - 60.0% of mass 95	55.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.5
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 100.0% of mass 95	72.8
175	5.0 - 9.0% of mass 174	5.5 (7.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	70.2 (96.4)1
177	5.0 - 9.0% of mass 176	4.7 (6.7)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	VSTD0.5	2.5NG-IC	UX120215	10/19/04	1807
02	VSTD001	5NG-IC	UX120216	10/19/04	1832
03	VSTD005	25NG-IC	UX120217	10/19/04	1858
04	VSTD010	50NG-IC	UX120218	10/19/04	1923
05	VSTD020	100NG-IC	UX120219	10/19/04	1949
06	VSTD050	250NG-IC	UX120220	10/19/04	2014
07					
08					
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18					
19					
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21					
22					

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

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4J29129

Lab File ID: BFB832 BFB Injection Date: 11/08/04

Instrument ID: A3UX12 BFB Injection Time: 1511

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	27.0
75	30.0 - 60.0% of mass 95	58.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	89.6
175	5.0 - 9.0% of mass 174	7.1 (7.9)1
176	Greater than 95.0%, but less than 101.0% of mass 174	85.7 (95.6)1
177	5.0 - 9.0% of mass 176	5.8 (6.7)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-CC	UX120830	11/08/04	1536
02	VSTD010	50NG-A9CC	UX120831	11/08/04	1601
03	GWJ71-CHK	GWJ711AC	UX120832	11/08/04	1625
04	GWJ71-DUP	GWJ711AD	UX120833	11/08/04	1650
05	GWJ71-BLK	GWJ711AA	UX120835	11/08/04	1739
06	WRP205/10280	GVR2A1AA	UX120848	11/08/04	2256
07	WRPZ20/10280	GVR2E1AA	UX120849	11/08/04	2321
08	WRPZ10/10280	GVR2F1AA	UX120850	11/08/04	2345
09	WRPZ15/10280	GVR2G1AA	UX120851	11/09/04	0009
10	DW002/102804	GVR2H1AA	UX120852	11/09/04	0033
11	DW003/102804	GVR2K1AA	UX120853	11/09/04	0058
12	DW004/102804	GVR2L1AA	UX120854	11/09/04	0122
13	DW001/102804	GVR2M1AA	UX120855	11/09/04	0147
14	TRIP BLANK	GVR2N1AA	UX120856	11/09/04	0210
15					
16					
17					
18					
19					
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21					
22					

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: 4J29129

Lab File ID (Standard): UX120830 Date Analyzed: 11/08/04

Instrument ID: A3UX12 Time Analyzed: 1536

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	584628	8.86	695279	6.31	334512	10.33
	UPPER LIMIT	1169256	9.36	1390558	6.81	669024	10.83
	LOWER LIMIT	292314	8.36	347640	5.81	167256	9.83
	EPA SAMPLE NO.						
01	GWJ71-CHK	560161	8.86	676752	6.31	299411	10.33
02	GWJ71-DUP	565358	8.86	667922	6.31	290781	10.33
03	GWJ71-BLK	482924	8.86	651420	6.31	244615	10.33
04	WRP205/10280	422780	8.86	508036	6.31	211938	10.34
05	WRPZ20/10280	438867	8.86	515776	6.31	202389	10.33
06	WRPZ10/10280	417326	8.86	512931	6.31	209330	10.34
07	WRPZ15/10280	408313	8.86	507650	6.31	198434	10.33
08	DW002/102804	405145	8.86	495402	6.31	196823	10.33
09	DW003/102804	408100	8.86	485892	6.31	187130	10.33
10	DW004/102804	393668	8.86	495444	6.31	187094	10.34
11	DW001/102804	394676	8.86	479242	6.31	186028	10.34
12	TRIP BLANK	397529	8.86	480036	6.31	182487	10.34
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

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

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

FORM VIII VOA 1/87 Rev.

SEVERN TRENT STL

SAMPLE DATA

PAYNE FIRM INC.

Client Sample ID: WRPZ05/102804

GC/MS Volatiles

Lot-Sample #...: A4J290129-001 **Work Order #...:** GVR2A1AA **Matrix.....:** WG
Date Sampled...: 10/28/04 09:45 **Date Received..:** 10/29/04
Prep Date.....: 11/08/04 **Analysis Date..:** 11/08/04
Prep Batch #...: 4314481
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	**130**	**50**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: WRPZ05/102804

GC/MS Volatiles

Lot-Sample #...: A4J290129-001 **Work Order #...:** GVR2A1AA **Matrix.....:** WG

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	127	(61 - 128)
Toluene-d8	92	(76 - 110)
4-Bromofluorobenzene	86	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120848.D
Report Date: 09-Nov-2004 15:41

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120848.D
Lab Smp Id: GVR2A1AA Client Smp ID: WRP205/102804
Inj Date : 08-NOV-2004 22:56
Operator : 1903 Inst ID: a3ux12.i
Smp Info : gvr2a1aa,5ml/5ml
Misc Info : T41108A,8260MIUX12,,1903
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m
Meth Date : 09-Nov-2004 15:33 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 02:00 Cal File: UX129650.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04

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	6.306	6.306	(1.000)	508036	50.0000	
* 2 Chlorobenzene-d5	117	8.862	8.862	(1.000)	422780	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.341	10.329	(1.000)	211938	50.0000	
$ 4 Dibromofluoromethane	113	5.513	5.513	(0.874)	120960	52.5345	10.507
$ 5 1,2-Dichloroethane-d4	65	6.046	6.046	(0.959)	220617	63.2945	12.659
$ 6 Toluene-d8	98	7.714	7.714	(0.870)	409875	46.2090	9.242
$ 7 Bromofluorobenzene	95	9.655	9.655	(1.089)	157196	42.7894	8.558
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	61	Compound Not Detected.					
18 Freon-113	101	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120848.D
Report Date: 09-Nov-2004 15:41

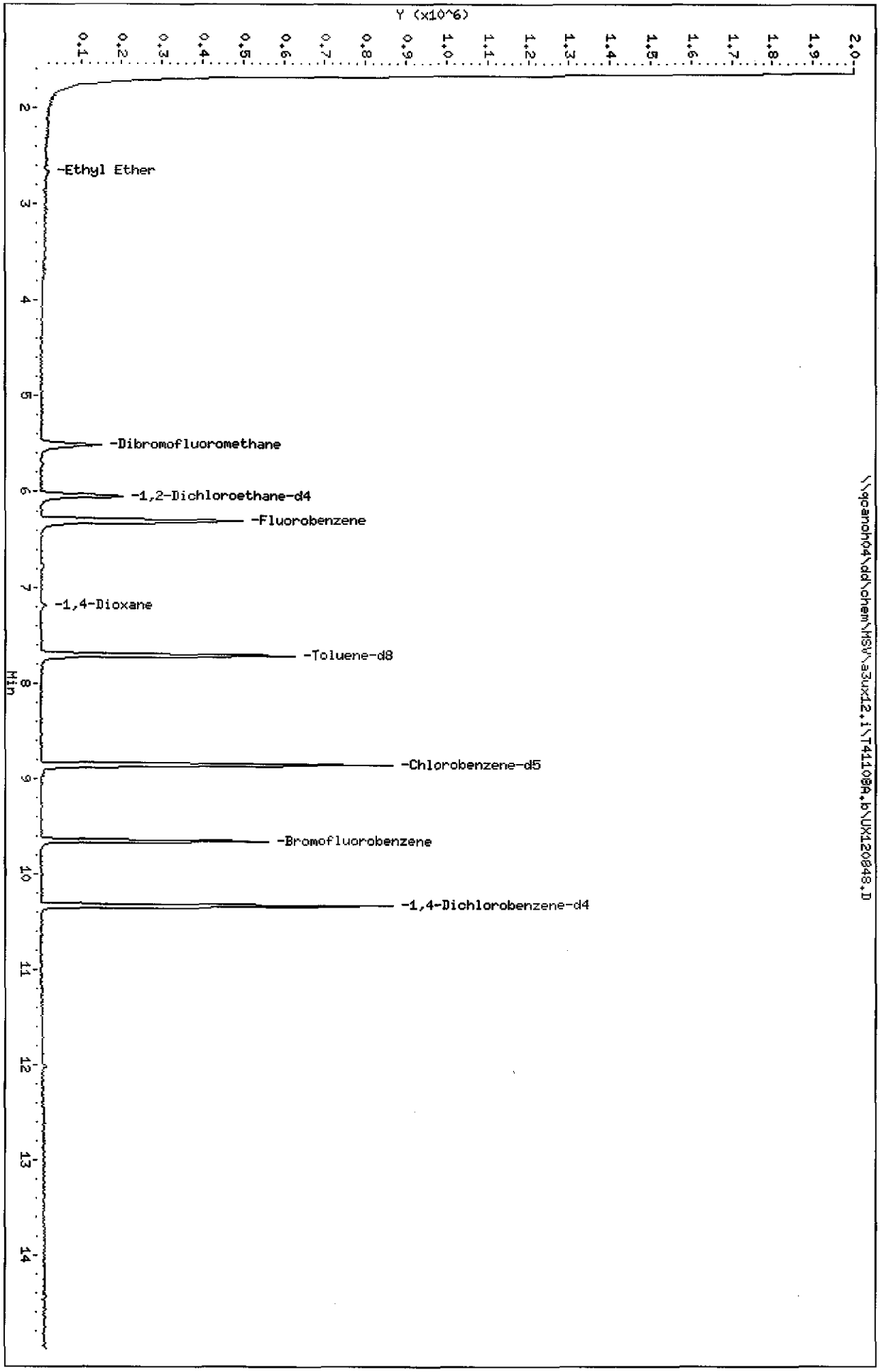
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	57	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	7.193	7.182	(1.141)	11178	638.570	127.71
	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.					
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120848.D
Report Date: 09-Nov-2004 15:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
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	2.673	2.673	(0.424)	6516	2.47805	0.4956
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T411098.b\UX120848.D
Date : 08-NOV-2004 22:56
Client ID: WRP205/102804
Sample Info: svr2a1aa,5ml/5ml
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120848.D

Date : 08-NOV-2004 22:56

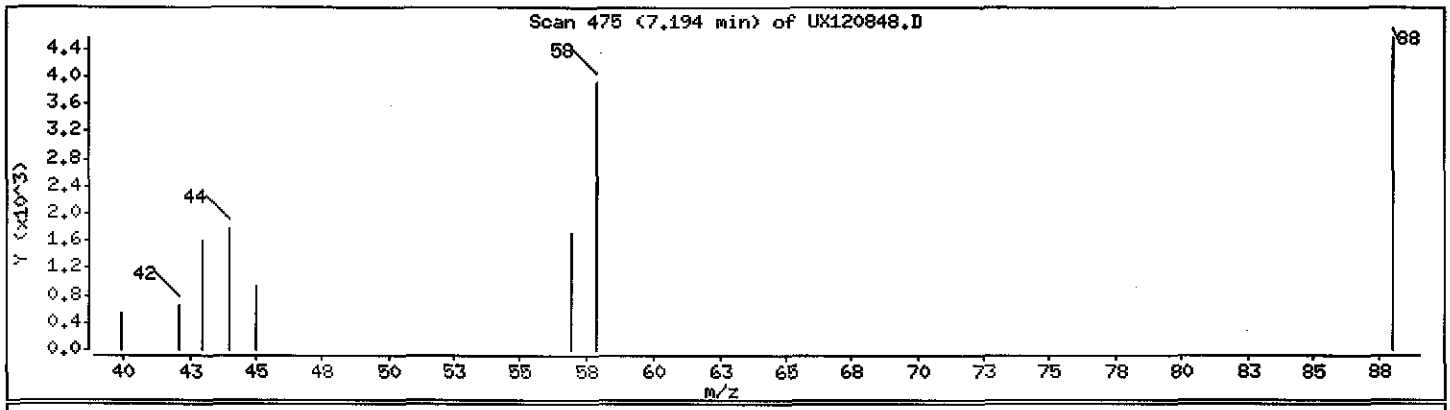
Client ID: WRP205/102804 | Instrument: a3ux12.i

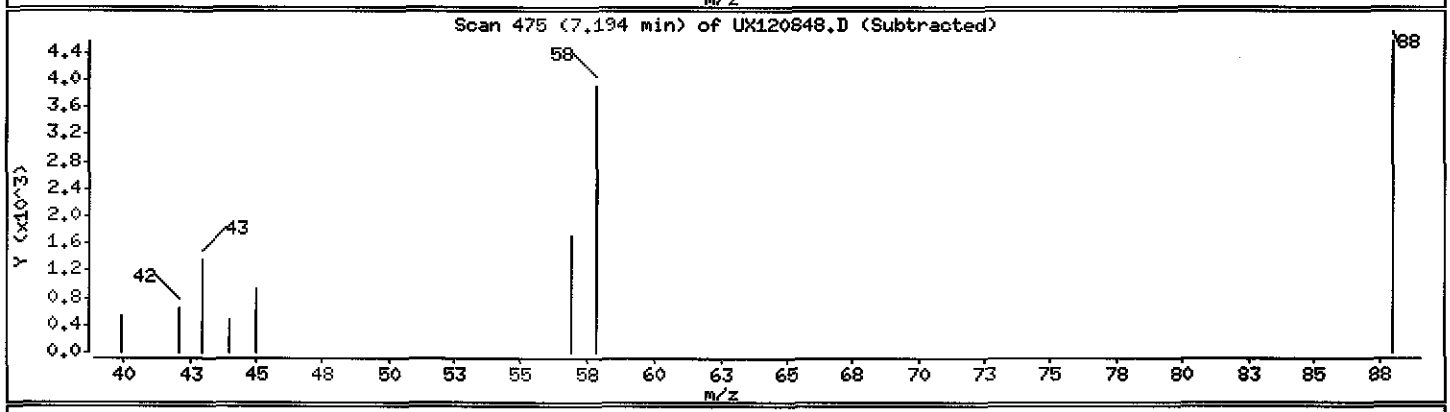
Sample Info: gvr2a1aa,5ml/5ml

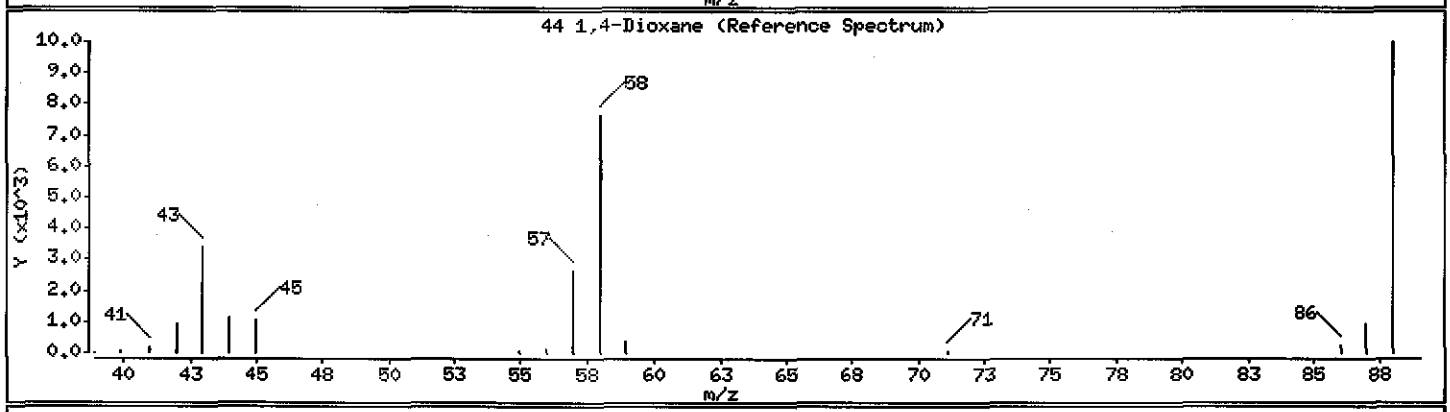
Purge Volume: 5.0 | Operator: 1903

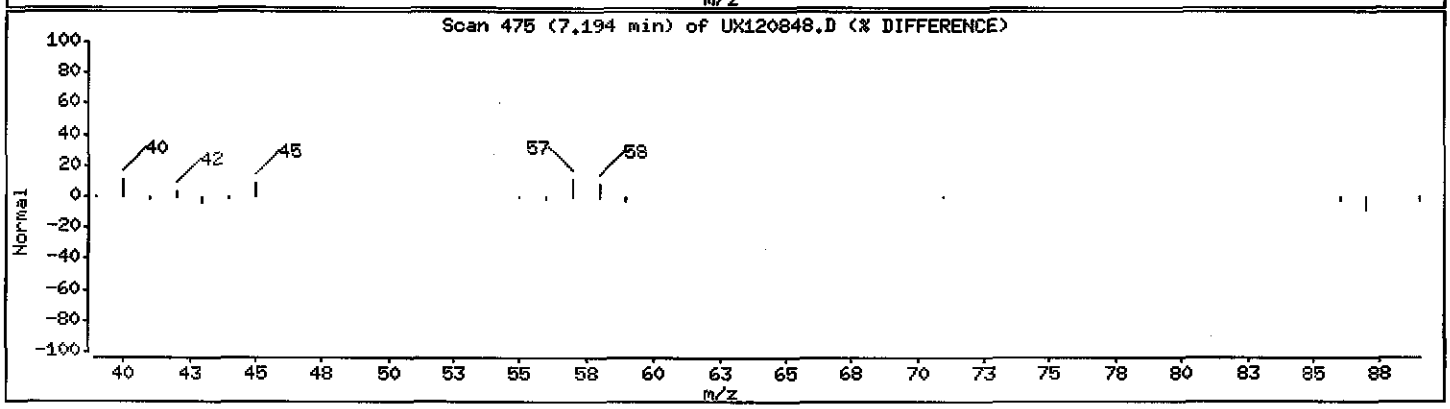
Column phase: RTx-VMS | Column diameter: 0.18

44 1,4-Dioxane | Concentration: 127.71 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120848.D

Date : 08-NOV-2004 22:56

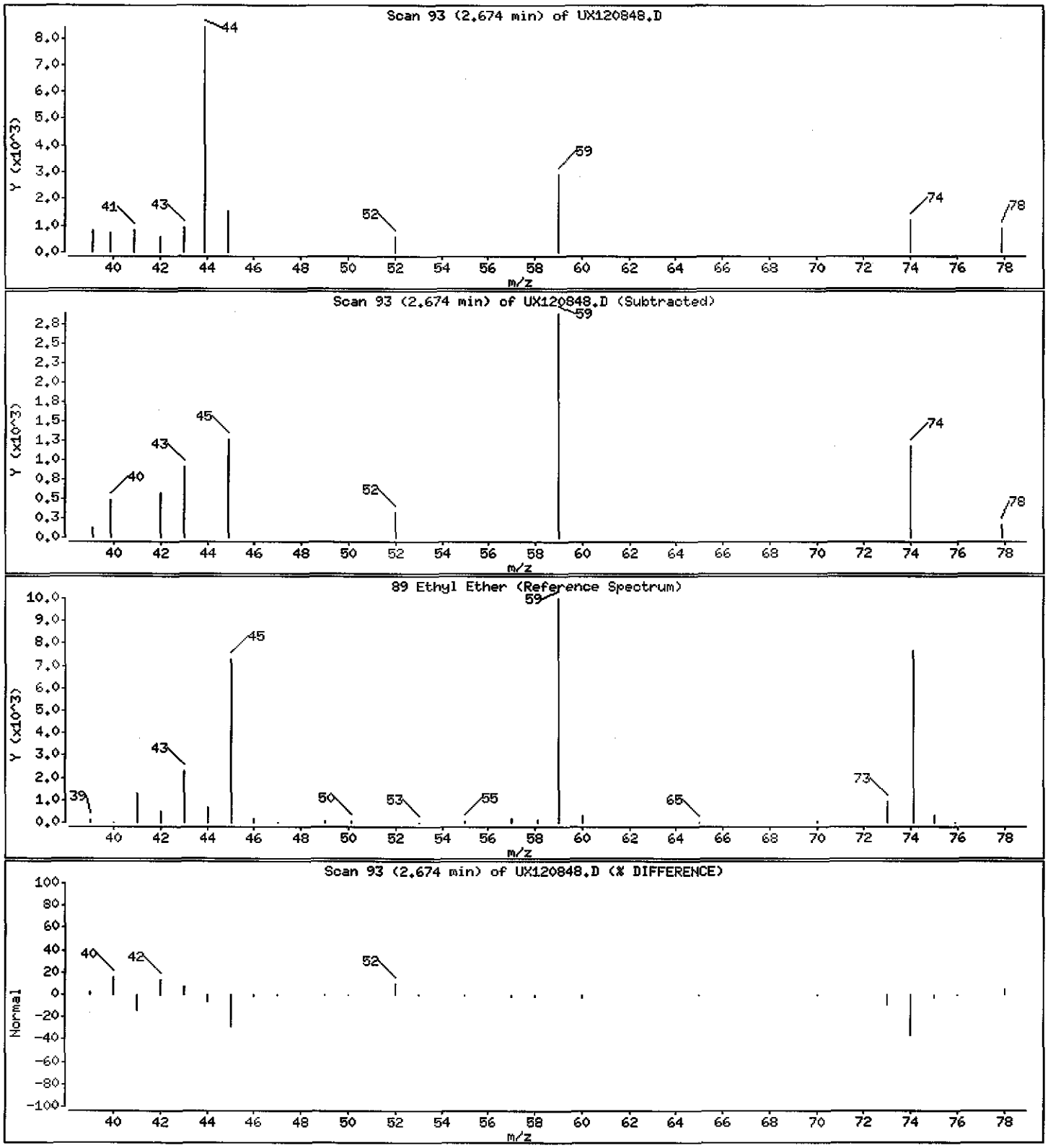
Client ID: WRP205/102804 | Instrument: a3ux12.i

Sample Info: gvr2a1aa,5ml/5ml

Purge Volume: 5.0 | Operator: 1903

Column phase: RTx-VMS | Column diameter: 0.18

89 Ethyl Ether | Concentration: 0.4956 ug/L



PAYNE FIRM INC.

Client Sample ID: WRPZ20/102804

GC/MS Volatiles

Lot-Sample #...: A4J290129-002 **Work Order #...:** GVR2E1AA **Matrix.....:** WG
Date Sampled...: 10/28/04 09:46 **Date Received..:** 10/29/04
Prep Date.....: 11/08/04 **Analysis Date..:** 11/08/04
Prep Batch #...: 4314481
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**3.3 J,B**	**10**	**ug/L**
Acetonitrile	**7.8 J**	**20**	**ug/L**
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	**0.93 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroprene	ND	2.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: WRPZ20/102804

GC/MS Volatiles

Lot-Sample #...: A4J290129-002 **Work Order #...:** GVR2E1AA **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	104	(73 - 122)
1,2-Dichloroethane-d4	120	(61 - 128)
Toluene-d8	87	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120849.D
Report Date: 09-Nov-2004 15:41

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120849.D
Lab Smp Id: GVR2E1AA Client Smp ID: WRPZ20/102804
Inj Date : 08-NOV-2004 23:21
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GVR2E1AA,5ML/5ML
Misc Info : T41108A,8260MIUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m
Meth Date : 09-Nov-2004 15:33 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 02:00 Cal File: UX129650.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: QCANOH04

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	6.306	6.306	(1.000)	515776	50.0000	
* 2 Chlorobenzene-d5	117	8.862	8.862	(1.000)	438867	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.329	10.329	(1.000)	202389	50.0000	
$ 4 Dibromofluoromethane	113	5.513	5.513	(0.874)	121924	52.1585	10.432
$ 5 1,2-Dichloroethane-d4	65	6.046	6.046	(0.959)	213156	60.2363	12.047
$ 6 Toluene-d8	98	7.714	7.714	(0.870)	402075	43.6681	8.734
$ 7 Bromofluorobenzene	95	9.655	9.655	(1.089)	146732	38.4770	7.695
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	3.537	3.537	(0.561)	32829	16.6501	3.330
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	101	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120849.D
Report Date: 09-Nov-2004 15:41

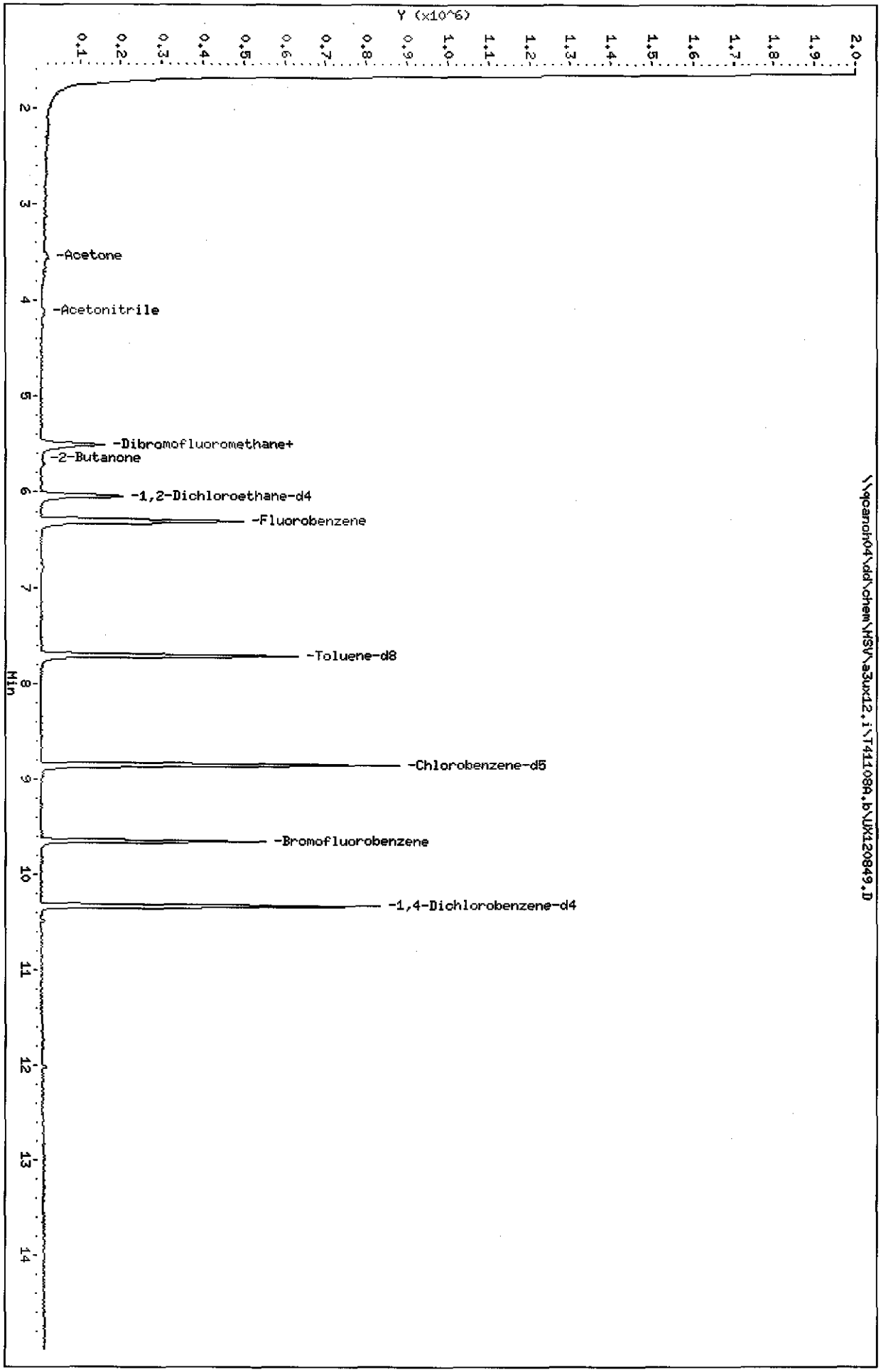
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	4.105	4.117	(0.651)	24165	38.9339	7.787
	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	57	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	5.655	5.643	(0.897)	9920	4.65159	0.9303
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	5.490	5.478	(0.871)	28118	18.4978	3.700
	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\a3ux12.i\T41108A.b\UX120849.D
Report Date: 09-Nov-2004 15:41

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120849.D
Date : 08-NOV-2004 23:21
Client ID: WRPZ20/102804
Sample Info: GVR2E16A,5ML/5ML
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



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Date : 08-NOV-2004 23:21

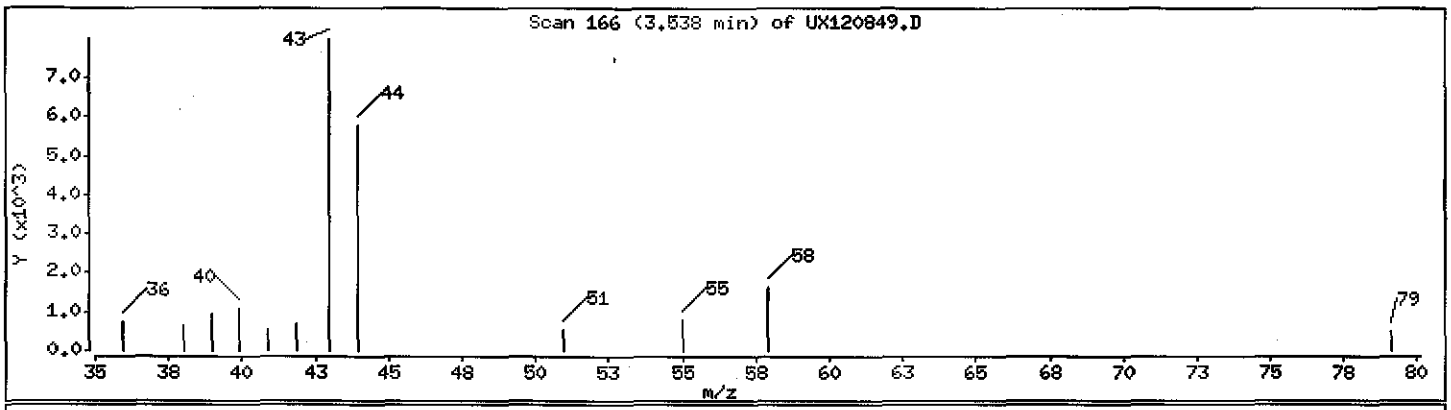
Client ID: WRPZ20/102804 | Instrument: a3ux12.i

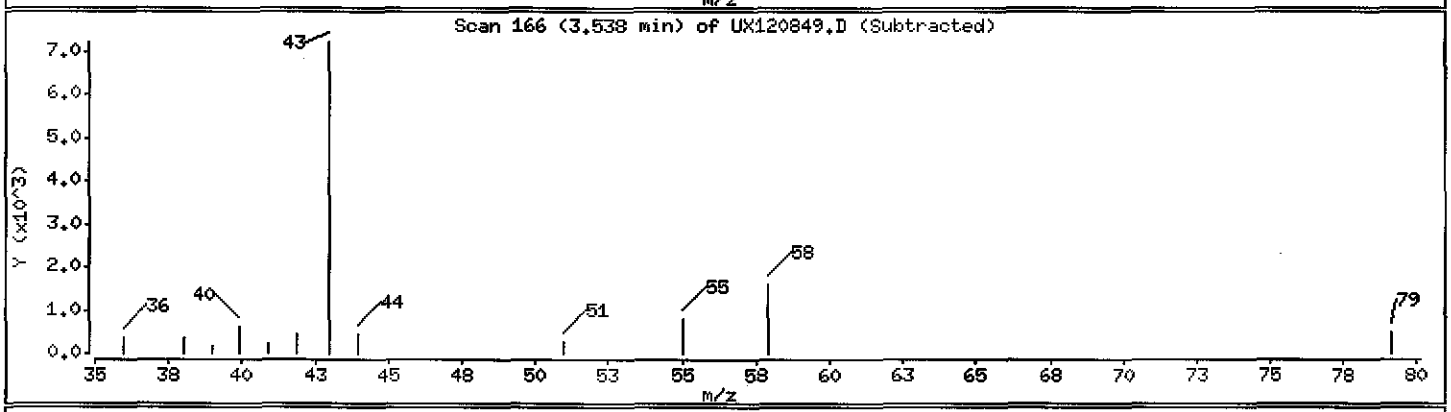
Sample Info: GVR2E1AA,5ML/5ML

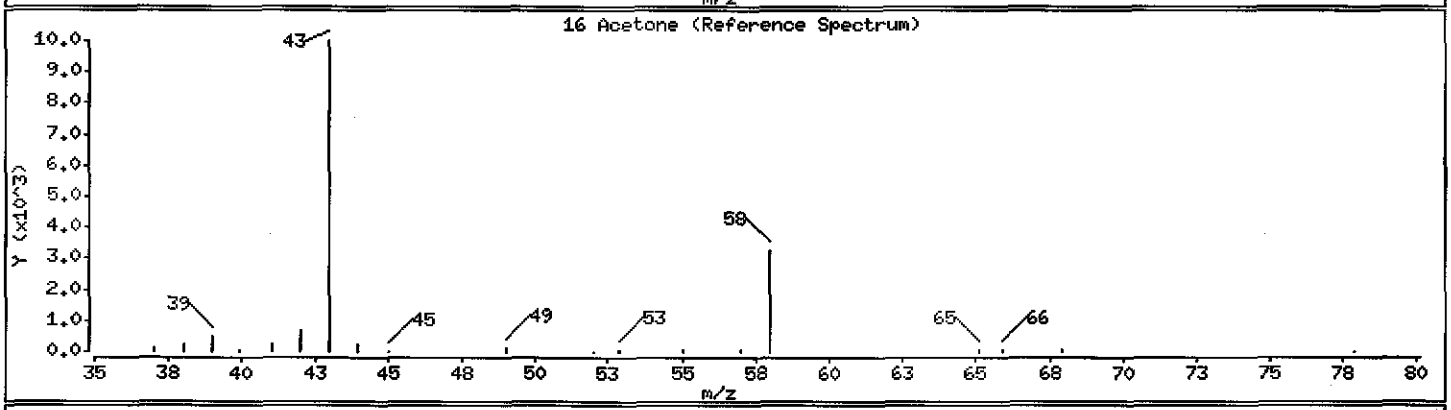
Purge Volume: 5.0 | Operator: 1903

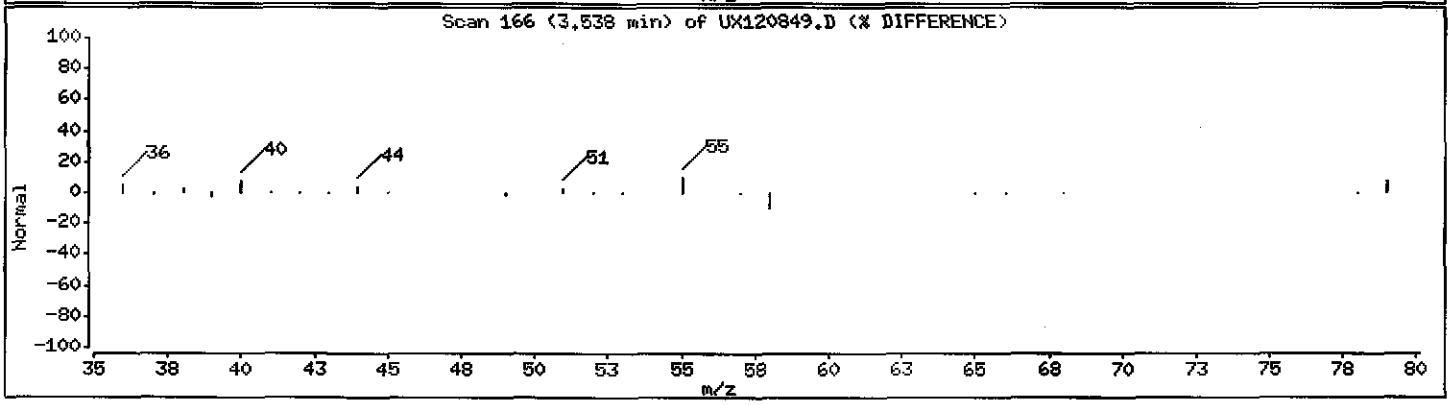
Column phase: RTx-VMS | Column diameter: 0.18

16 Acetone | Concentration: 3.330 ug/L









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Date : 08-NOV-2004 23:21

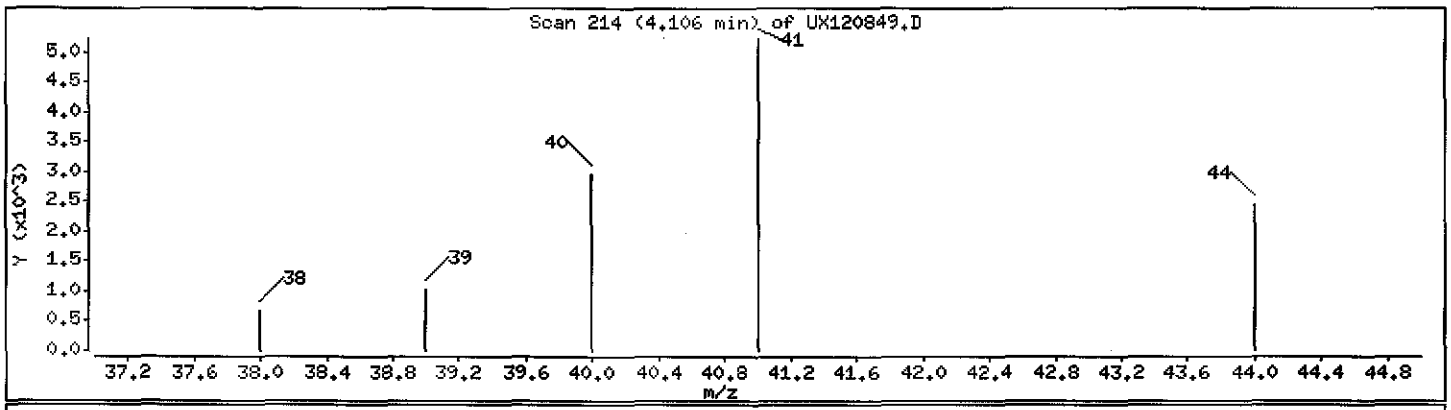
Client ID: WRPZ20/102804 | Instrument: a3ux12.i

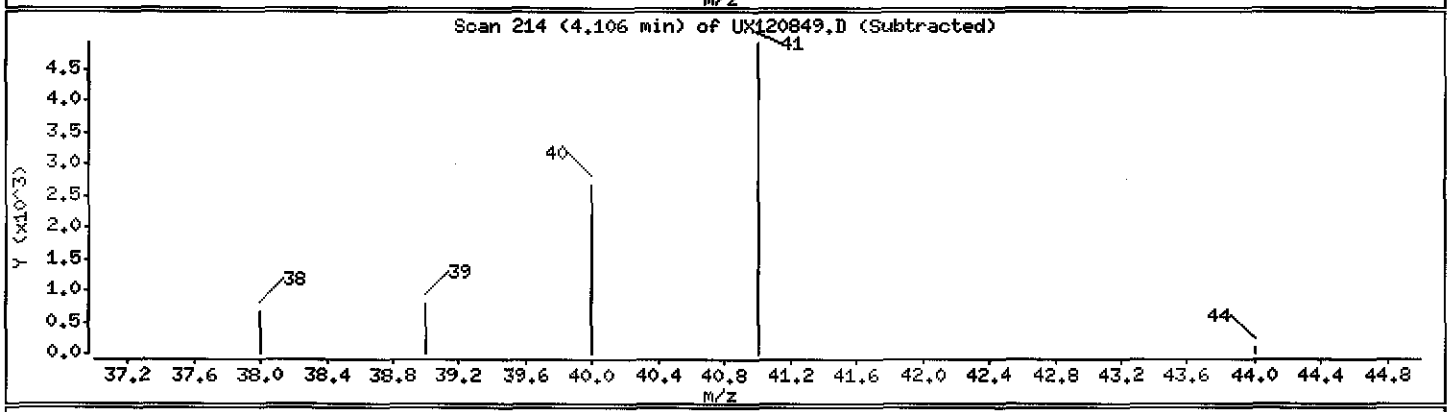
Sample Info: GVR2E1AA,5ML/5ML

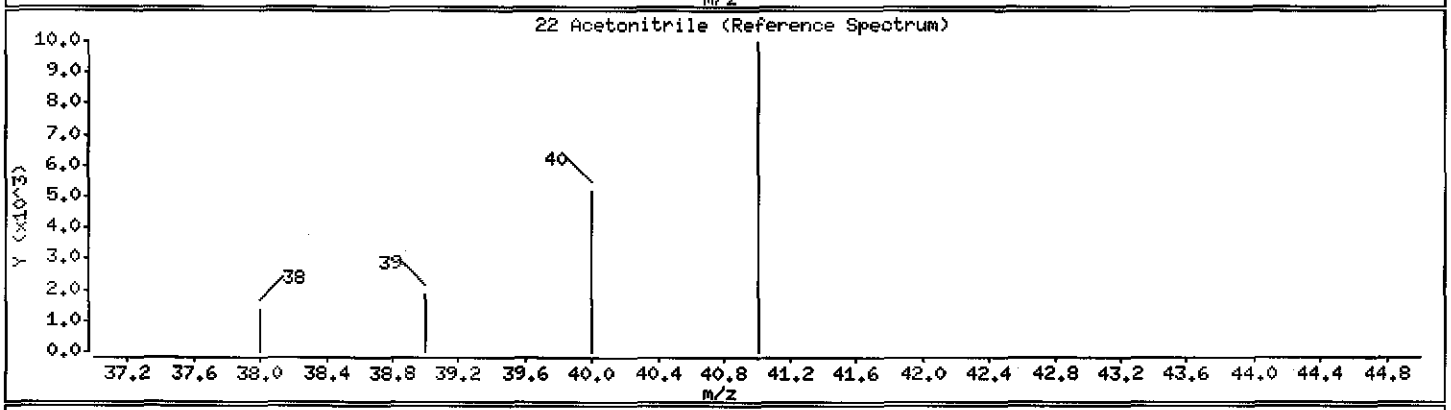
Purge Volume: 5.0 | Operator: 1903

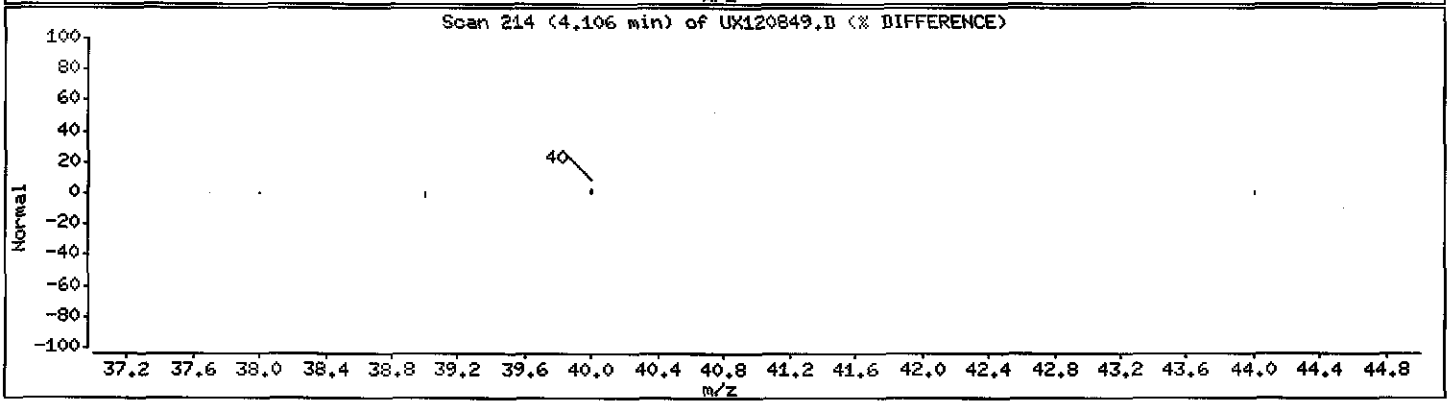
Column phase: RTx-VMS | Column diameter: 0.18

22 Acetonitrile | Concentration: 7.787 ug/L









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Date : 08-NOV-2004 23:21

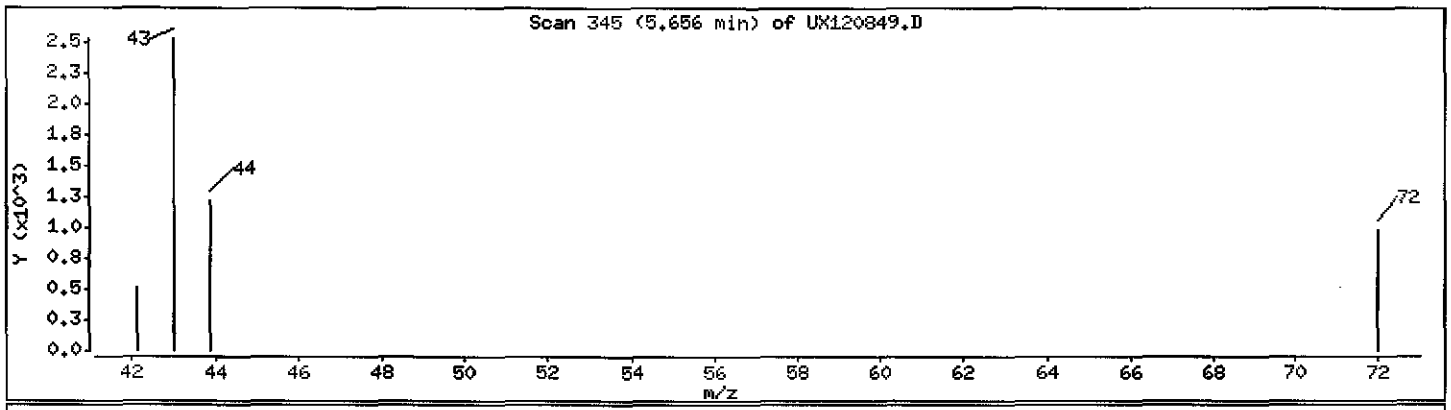
Client ID: WRPZ20/102804 Instrument: a3ux12.i

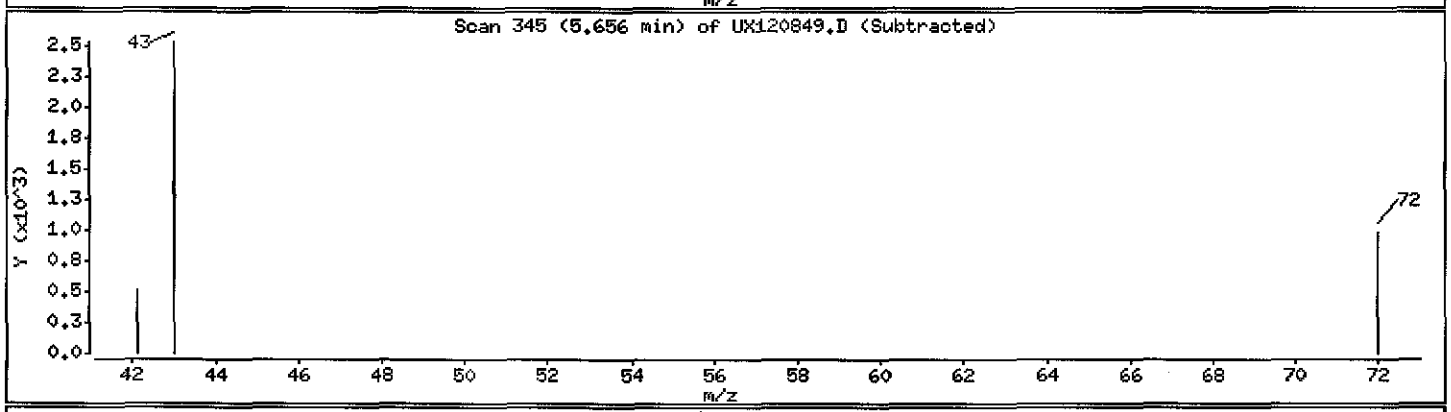
Sample Info: GVR2E1AA,5ML/5ML

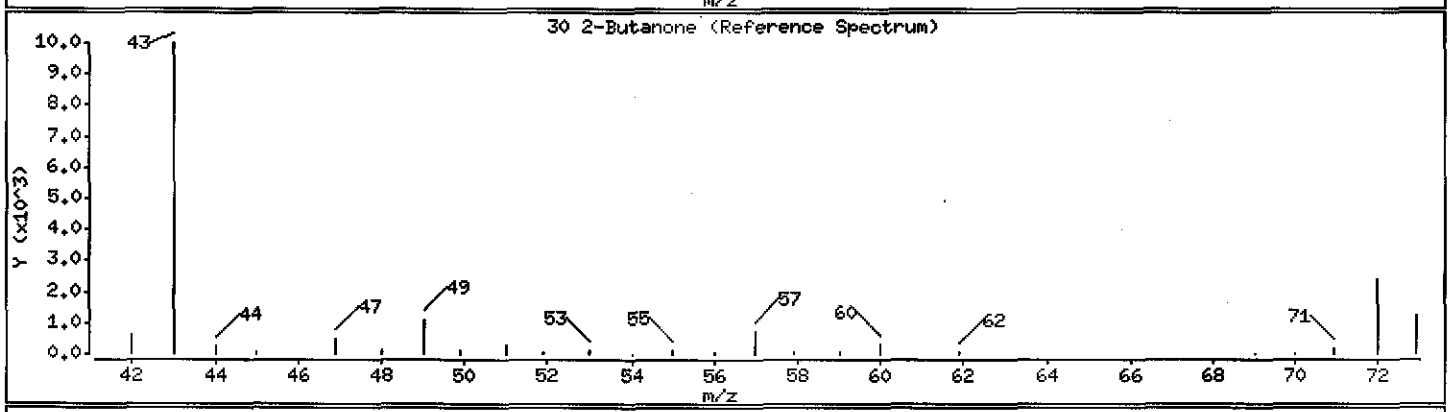
Purge Volume: 5.0 Operator: 1903

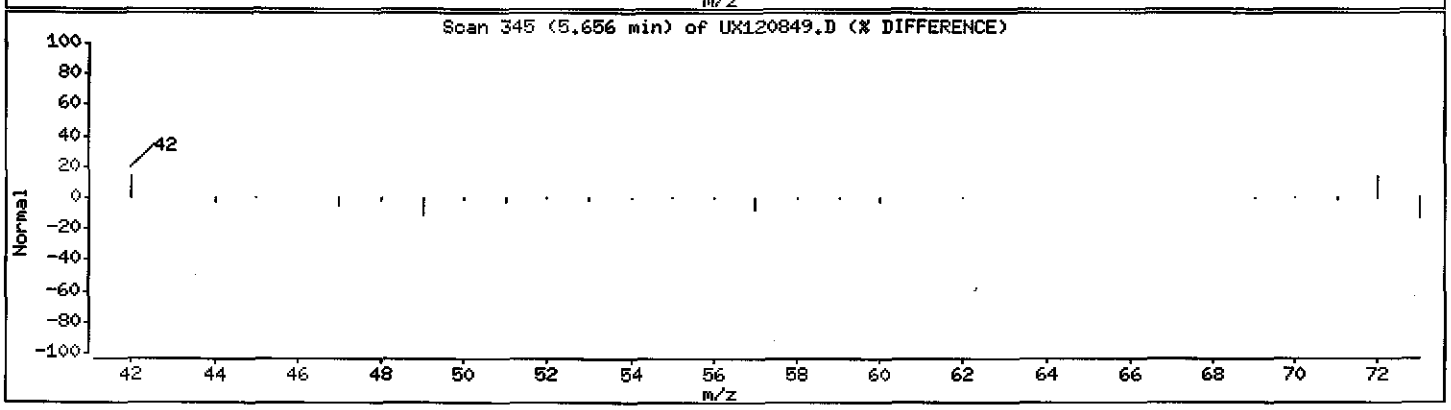
Column phase: RTx-VMS Column diameter: 0.18

30 2-Butanone Concentration: 0.9303 ug/L









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Date : 08-NOV-2004 23:21

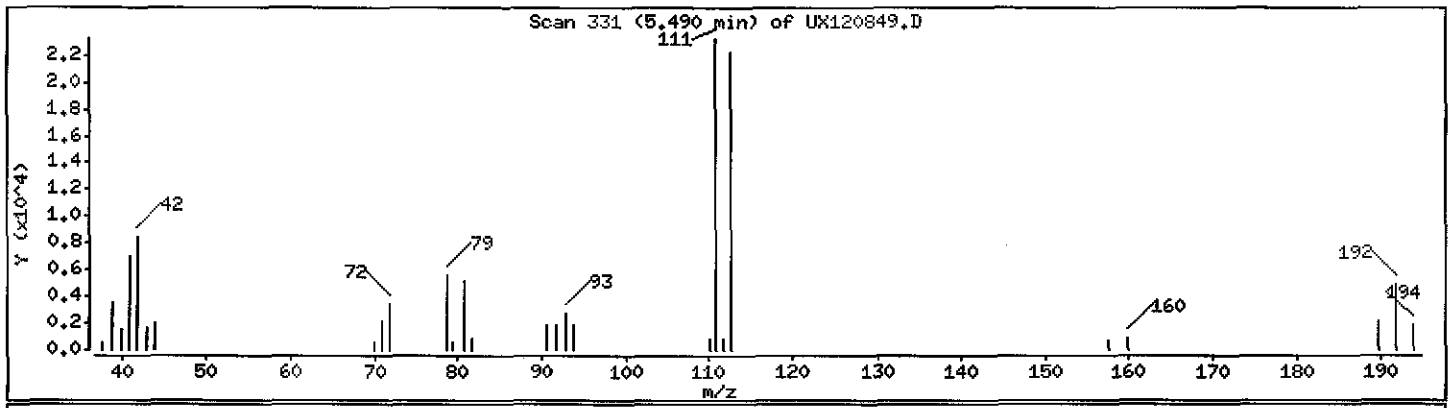
Client ID: WRPZ20/102804 | Instrument: a3ux12.i

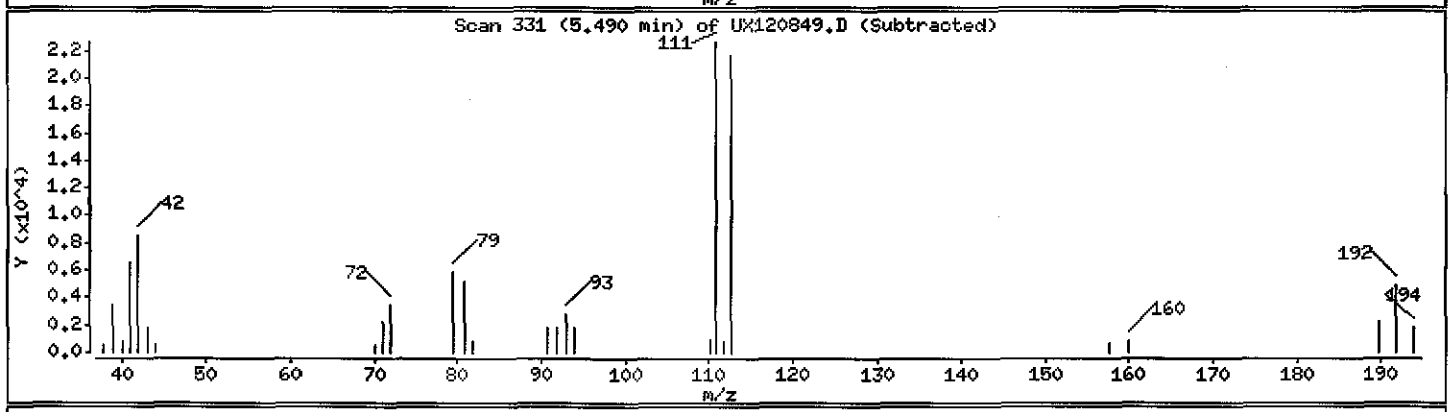
Sample Info: GVR2E1AA,5ML/5ML

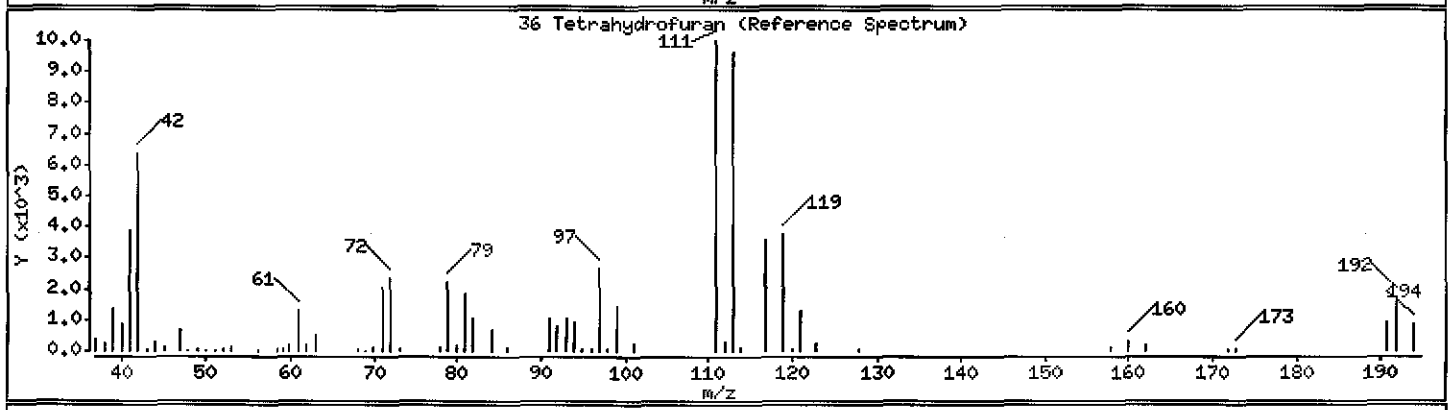
Purge Volume: 5.0 | Operator: 1903

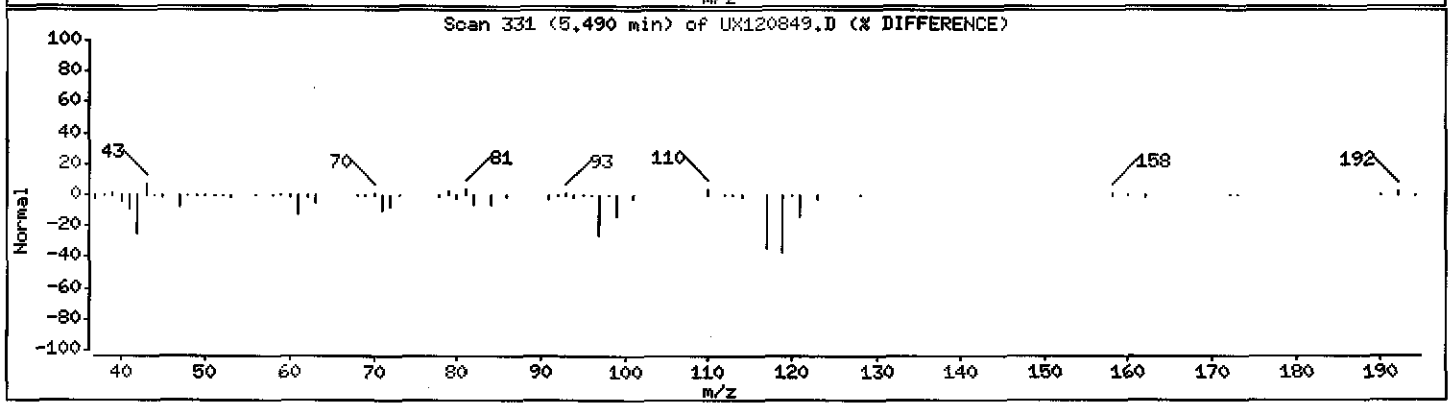
Column phase: RTx-VMS | Column diameter: 0.18

36 Tetrahydrofuran | Concentration: 3.700 ug/L









PAYNE FIRM INC.

Client Sample ID: WRPZ10/102804

GC/MS Volatiles

Lot-Sample #...: A4J290129-003 **Work Order #...:** GVR2F1AA **Matrix.....:** WG
Date Sampled...: 10/28/04 10:08 **Date Received..:** 10/29/04
Prep Date.....: 11/08/04 **Analysis Date..:** 11/08/04
Prep Batch #...: 4314481
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	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: WRPZ10/102804

GC/MS Volatiles

Lot-Sample #...: A4J290129-003 **Work Order #...:** GVR2F1AA **Matrix.....:** WG

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
1,2-Dichloroethane-d4	122	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	88	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120850.D
Report Date: 09-Nov-2004 15:42

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120850.D
Lab Smp Id: GVR2F1AA Client Smp ID: WRPZ10/102804
Inj Date : 08-NOV-2004 23:45
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GVR2F1AA,5ML/5ML
Misc Info : T41108A,8260MIUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m
Meth Date : 09-Nov-2004 15:33 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 02:00 Cal File: UX129650.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: QCANOH04

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	6.306	6.306	(1.000)	512931	50.0000	
* 2 Chlorobenzene-d5	117	8.862	8.862	(1.000)	417326	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.341	10.329	(1.000)	209330	50.0000	
$ 4 Dibromofluoromethane	113	5.501	5.513	(0.872)	129209	55.5816	11.116
$ 5 1,2-Dichloroethane-d4	65	6.046	6.046	(0.959)	214997	61.0935	12.219
$ 6 Toluene-d8	98	7.714	7.714	(0.870)	426357	48.6954	9.739
$ 7 Bromofluorobenzene	95	9.655	9.655	(1.089)	159051	43.8601	8.772
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	61	Compound Not Detected.					
18 Freon-113	101	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120850.D
Report Date: 09-Nov-2004 15:42

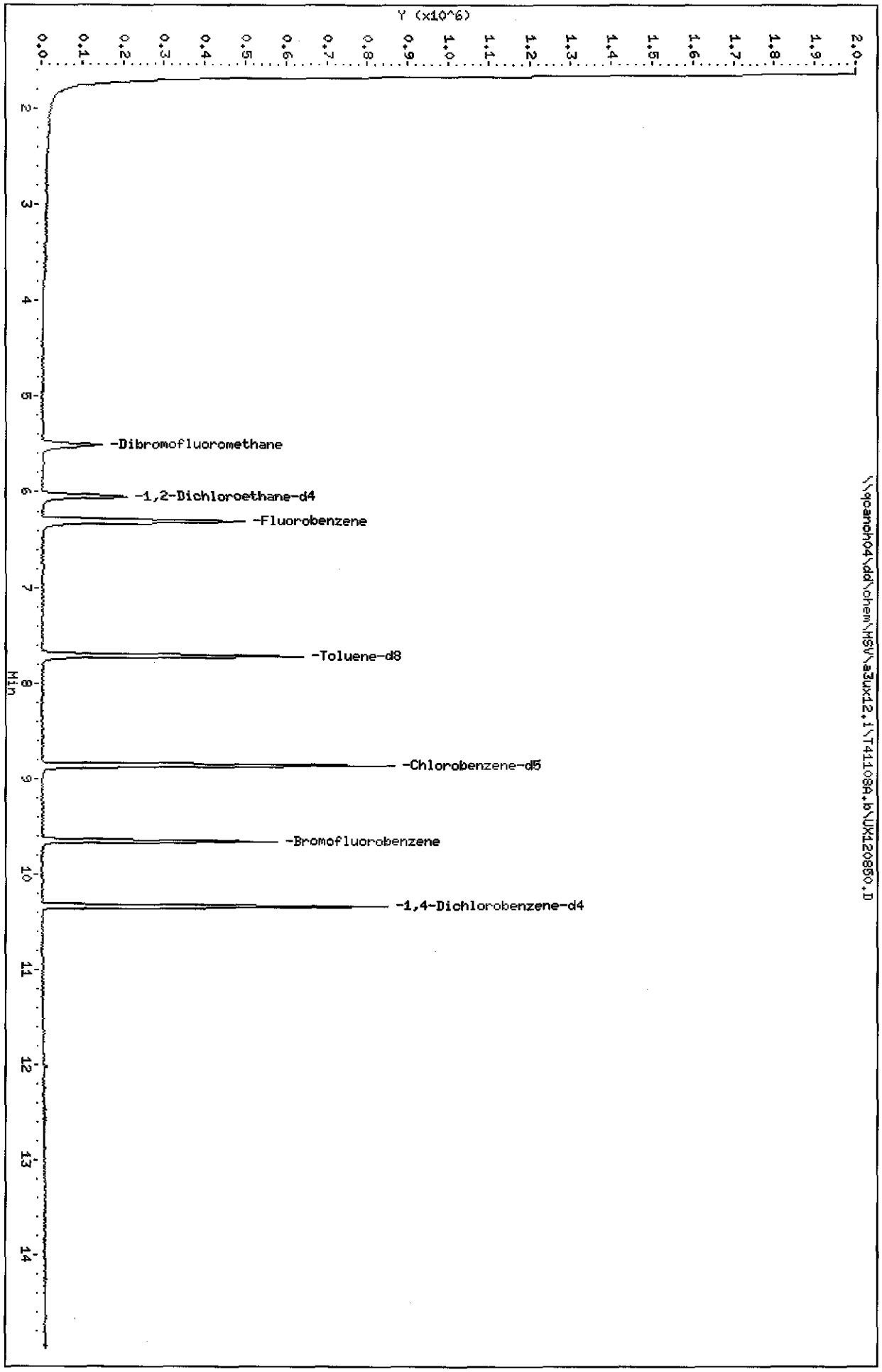
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	57	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\a3ux12.i\T41108A.b\UX120850.D
Report Date: 09-Nov-2004 15:42

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T411080.b\UX120850.D
Date : 08-NOV-2004 23:45
Client ID: WRP210/102804
Sample Info: GVR2F1AA,5ML/5ML
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



PAYNE FIRM INC.

Client Sample ID: WRPZ15/102804

GC/MS Volatiles

Lot-Sample #...: A4J290129-004 **Work Order #...:** GVR2G1AA **Matrix.....:** WG
Date Sampled...: 10/28/04 10:20 **Date Received..:** 10/29/04
Prep Date.....: 11/09/04 **Analysis Date..:** 11/09/04
Prep Batch #...: 4314481
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	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: WRPZ15/102804

GC/MS Volatiles

Lot-Sample #...: A4J290129-004 **Work Order #...:** GVR2G1AA **Matrix.....:** WG

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	119	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120851.D
Report Date: 09-Nov-2004 15:42

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120851.D
Lab Smp Id: GVR2G1AA Client Smp ID: WRPZ15/102804
Inj Date : 09-NOV-2004 00:09
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GVR2G1AA,5ML/5ML
Misc Info : T41108A,8260MIUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m
Meth Date : 09-Nov-2004 15:33 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 02:00 Cal File: UX129650.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: QCANOH04

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	6.306	6.306	(1.000)	507650	50.0000	
* 2 Chlorobenzene-d5	117	8.862	8.862	(1.000)	408313	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.329	10.329	(1.000)	198434	50.0000	
$ 4 Dibromofluoromethane	113	5.513	5.513	(0.874)	121291	52.7183	10.544
$ 5 1,2-Dichloroethane-d4	65	6.046	6.046	(0.959)	207589	59.6021	11.920
$ 6 Toluene-d8	98	7.714	7.714	(0.870)	400393	46.7394	9.348
$ 7 Bromofluorobenzene	95	9.655	9.655	(1.089)	147634	41.6104	8.322
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	61	Compound Not Detected.					
18 Freon-113	101	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120851.D
Report Date: 09-Nov-2004 15:42

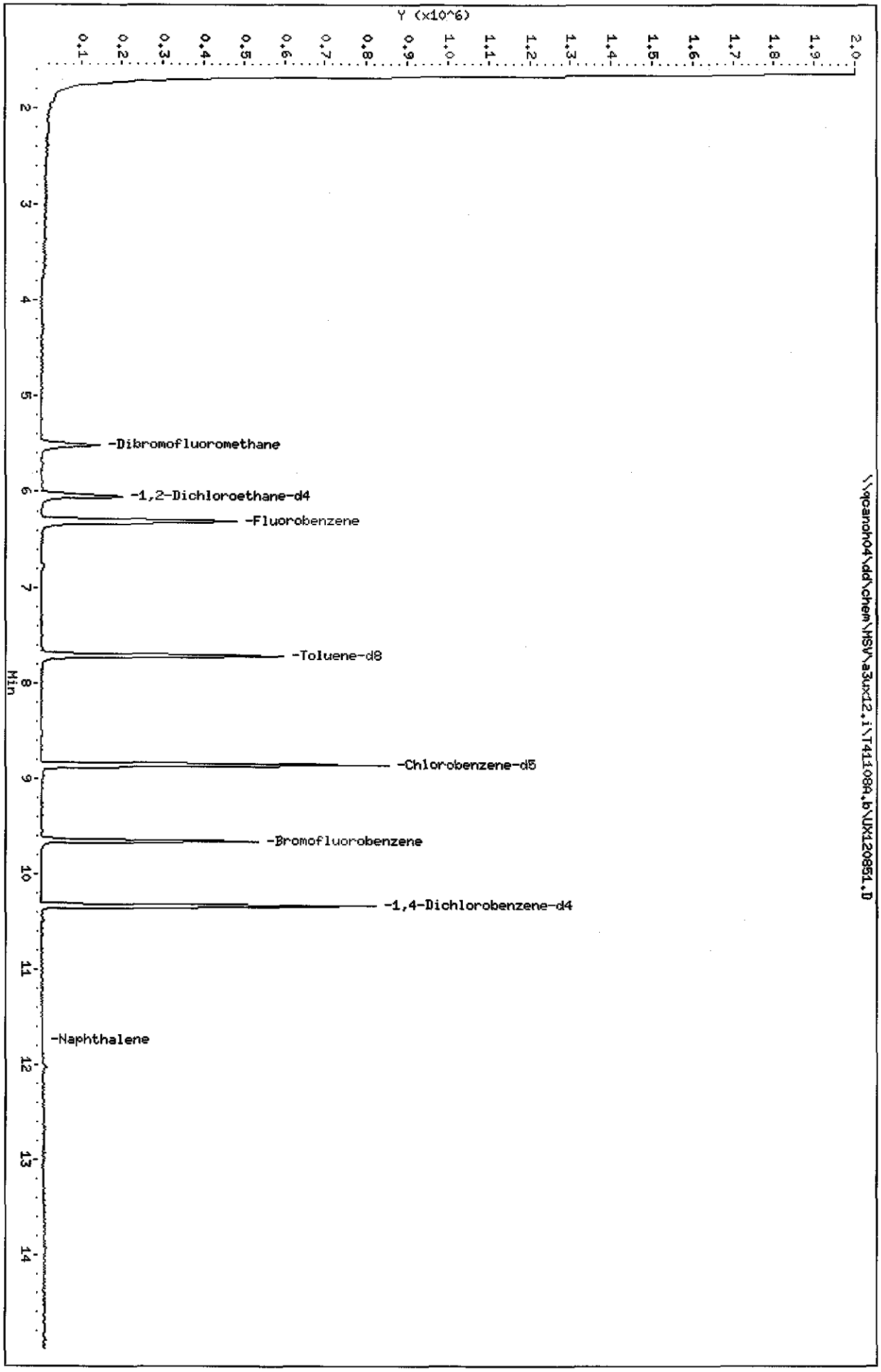
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	57	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\a3ux12.i\T41108A.b\UX120851.D
Report Date: 09-Nov-2004 15:42

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	11.654	11.643	(1.128)	1027	8.41510	1.683
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T411088.b\UX120851.D
Date : 09-NOV-2004 00:09
Client ID: WRPZ15/102804
Sample Info: GVR2C1AA,5ML/5ML
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



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Date : 09-NOV-2004 00:09

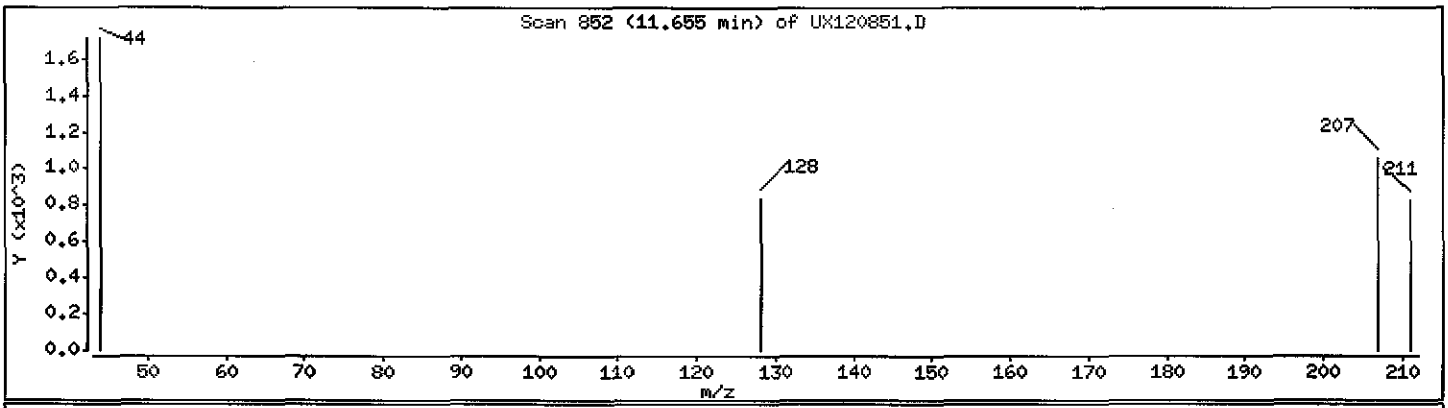
Client ID: WRPZ15/102804 Instrument: a3ux12.i

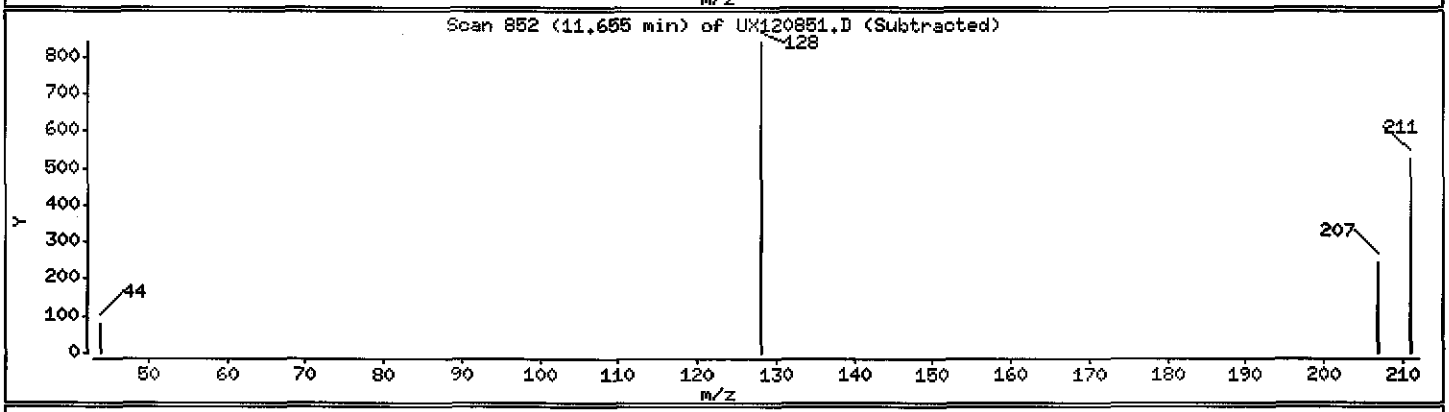
Sample Info: GVR2G1AA,5ML/5ML

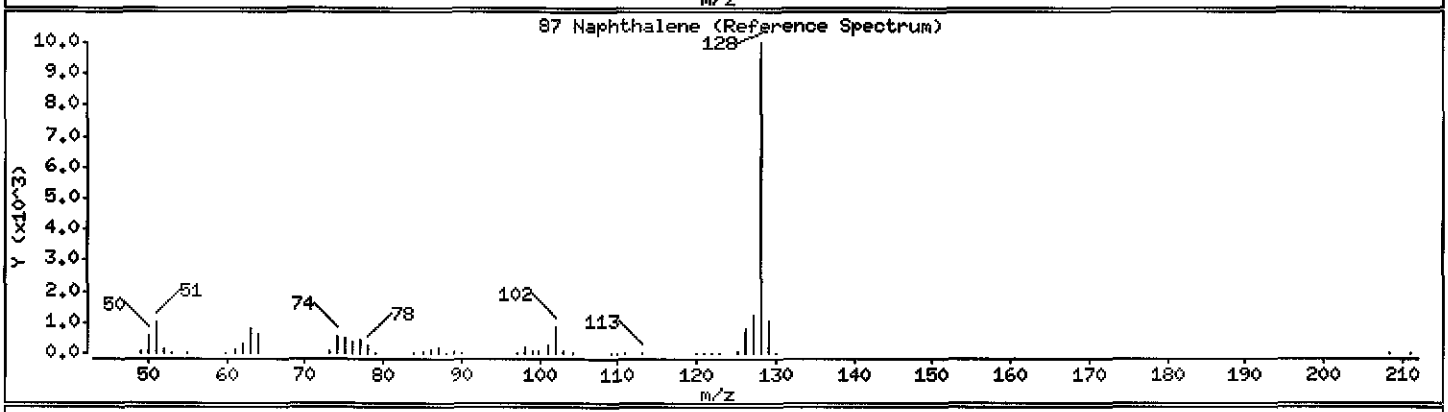
Purge Volume: 5.0 Operator: 1903

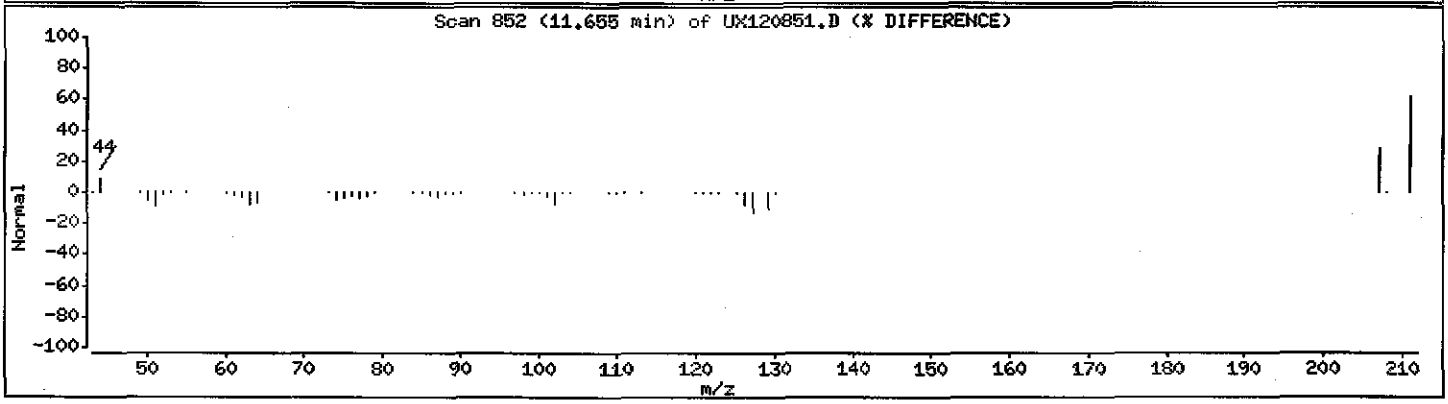
Column phase: RTx-VMS Column diameter: 0.18

87 Naphthalene Concentration: 1.683 ug/L









PAYNE FIRM INC.

Client Sample ID: DW002/102804

GC/MS Volatiles

Lot-Sample #...: A4J290129-005 **Work Order #...:** GVR2H1AA **Matrix.....:** WG
Date Sampled...: 10/28/04 11:16 **Date Received..:** 10/29/04
Prep Date.....: 11/09/04 **Analysis Date..:** 11/09/04
Prep Batch #...: 4314481
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	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DW002/102804

GC/MS Volatiles

Lot-Sample #...: A4J290129-005 Work Order #...: GVR2H1AA 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	118	(73 - 122)
1,2-Dichloroethane-d4	131 *	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120852.D
Report Date: 09-Nov-2004 15:42

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120852.D
Lab Smp Id: GVR2H1AA Client Smp ID: DW002/102804
Inj Date : 09-NOV-2004 00:33
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GVR2H1AA,5ML/5ML
Misc Info : T41108A,8260MIUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m
Meth Date : 09-Nov-2004 15:33 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 02:00 Cal File: UX129650.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: QCANOH04

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	6.306	6.306	(1.000)	495402	50.0000	
* 2 Chlorobenzene-d5	117	8.862	8.862	(1.000)	405145	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.329	10.329	(1.000)	196823	50.0000	
$ 4 Dibromofluoromethane	113	5.513	5.513	(0.874)	132151	58.8586	11.772
$ 5 1,2-Dichloroethane-d4	65	6.046	6.046	(0.959)	222752	65.5368	13.107(R)
$ 6 Toluene-d8	98	7.714	7.714	(0.870)	424197	49.9053	9.981
$ 7 Bromofluorobenzene	95	9.655	9.655	(1.089)	156868	44.5587	8.912
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	61	Compound Not Detected.					
18 Freon-113	101	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120852.D
Report Date: 09-Nov-2004 15:42

	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	57	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\a3ux12.i\T41108A.b\UX120852.D
Report Date: 09-Nov-2004 15:42

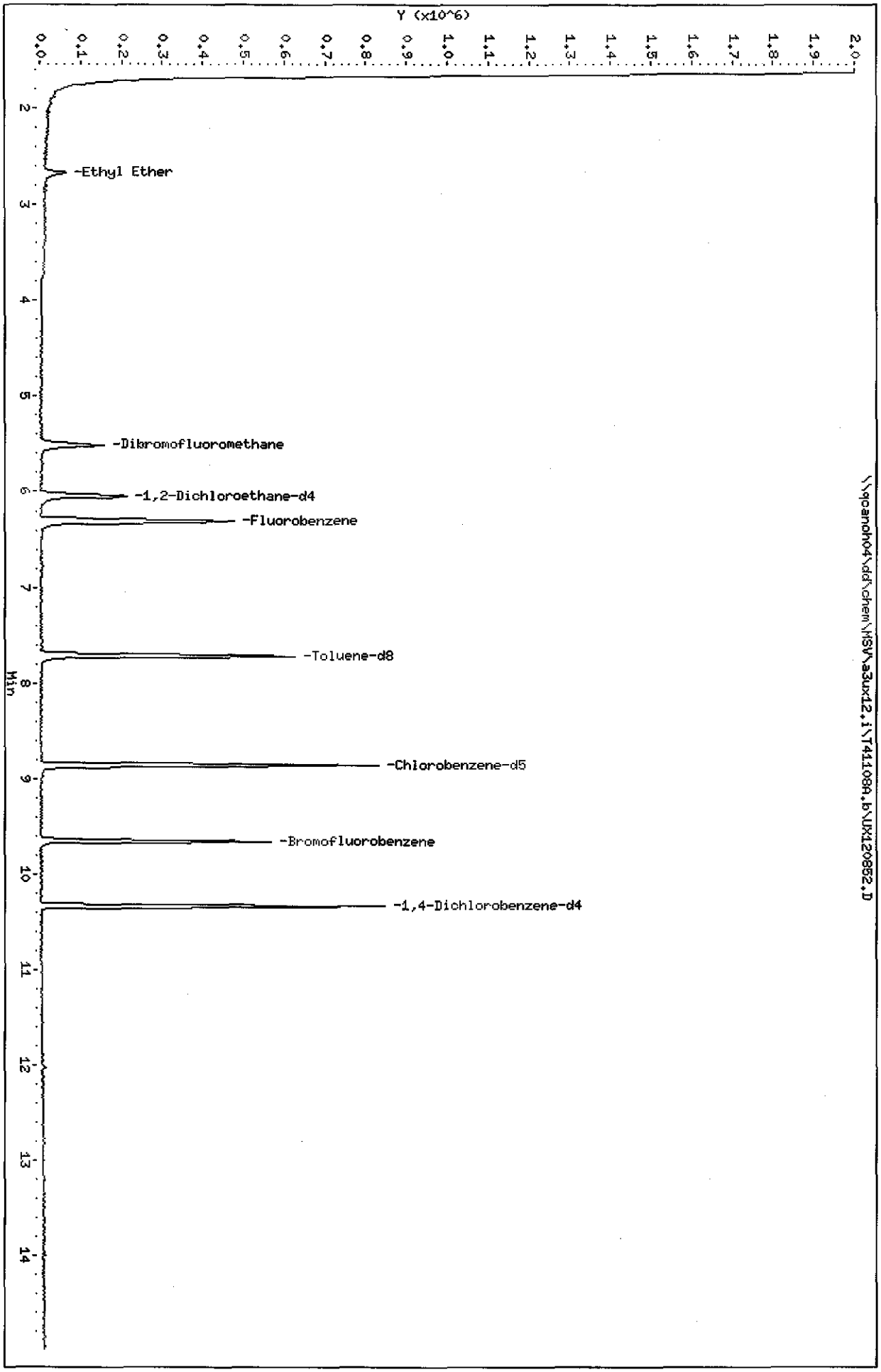
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	Compound Not Detected.					
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	Compound Not Detected.					
77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.673	2.673	(0.424)	47594	18.5617	3.712
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T411088.b\UX120852.D
Date : 09-NOV-2004 00:33
Client ID: DW002/102804
Sample Info: GVR2H1AA,5ML/5ML
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120852.D

Date : 09-NOV-2004 00:33

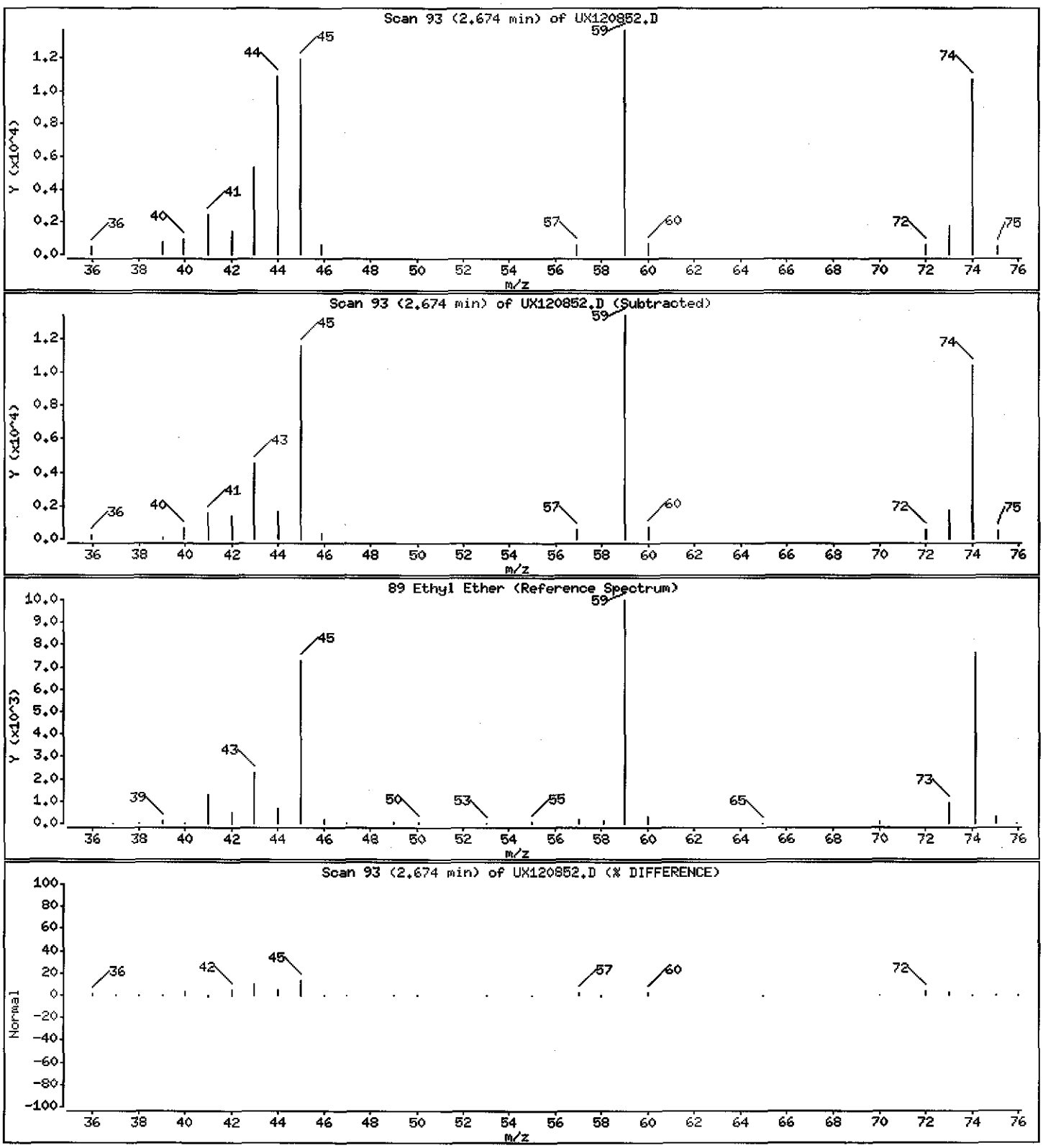
Client ID: DW002/102804 | Instrument: a3ux12.i

Sample Info: GVR2H1AA,5ML/5ML

Purge Volume: 5.0 | Operator: 1903

Column phase: RTx-VMS | Column diameter: 0.18

89 Ethyl Ether | Concentration: 3.712 ug/L



PAYNE FIRM INC.

Client Sample ID: DW003/102804

GC/MS Volatiles

Lot-Sample #...: A4J290129-006 **Work Order #...:** GVR2K1AA **Matrix.....:** WG
Date Sampled...: 10/28/04 12:17 **Date Received..:** 10/29/04
Prep Date.....: 11/09/04 **Analysis Date..:** 11/09/04
Prep Batch #...: 4314481
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	**0.51 J**	**1.0**	**ug/L**
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
1,4-Dioxane	ND	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DW003/102804

GC/MS Volatiles

Lot-Sample #...: A4J290129-006 **Work Order #...:** GVR2K1AA **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	112	(73 - 122)
1,2-Dichloroethane-d4	122	(61 - 128)
Toluene-d8	87	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120853.D
Report Date: 09-Nov-2004 15:43

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120853.D
Lab Smp Id: GVR2K1AA Client Smp ID: DW003/102804
Inj Date : 09-NOV-2004 00:58
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GVR2K1AA,5ML/5ML
Misc Info : T41108A,8260MIUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m
Meth Date : 09-Nov-2004 15:33 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 02:00 Cal File: UX129650.D
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: QCANOH04

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	6.306	6.306	(1.000)	485892	50.0000	
* 2 Chlorobenzene-d5	117	8.862	8.862	(1.000)	408100	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.329	10.329	(1.000)	187130	50.0000	
$ 4 Dibromofluoromethane	113	5.513	5.513	(0.874)	123646	56.1484	11.230
$ 5 1,2-Dichloroethane-d4	65	6.046	6.046	(0.959)	202795	60.8330	12.166
$ 6 Toluene-d8	98	7.714	7.714	(0.870)	370845	43.3127	8.662
$ 7 Bromofluorobenzene	95	9.655	9.655	(1.089)	142560	40.2013	8.040
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	61	Compound Not Detected.					
18 Freon-113	101	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120853.D
Report Date: 09-Nov-2004 15:43

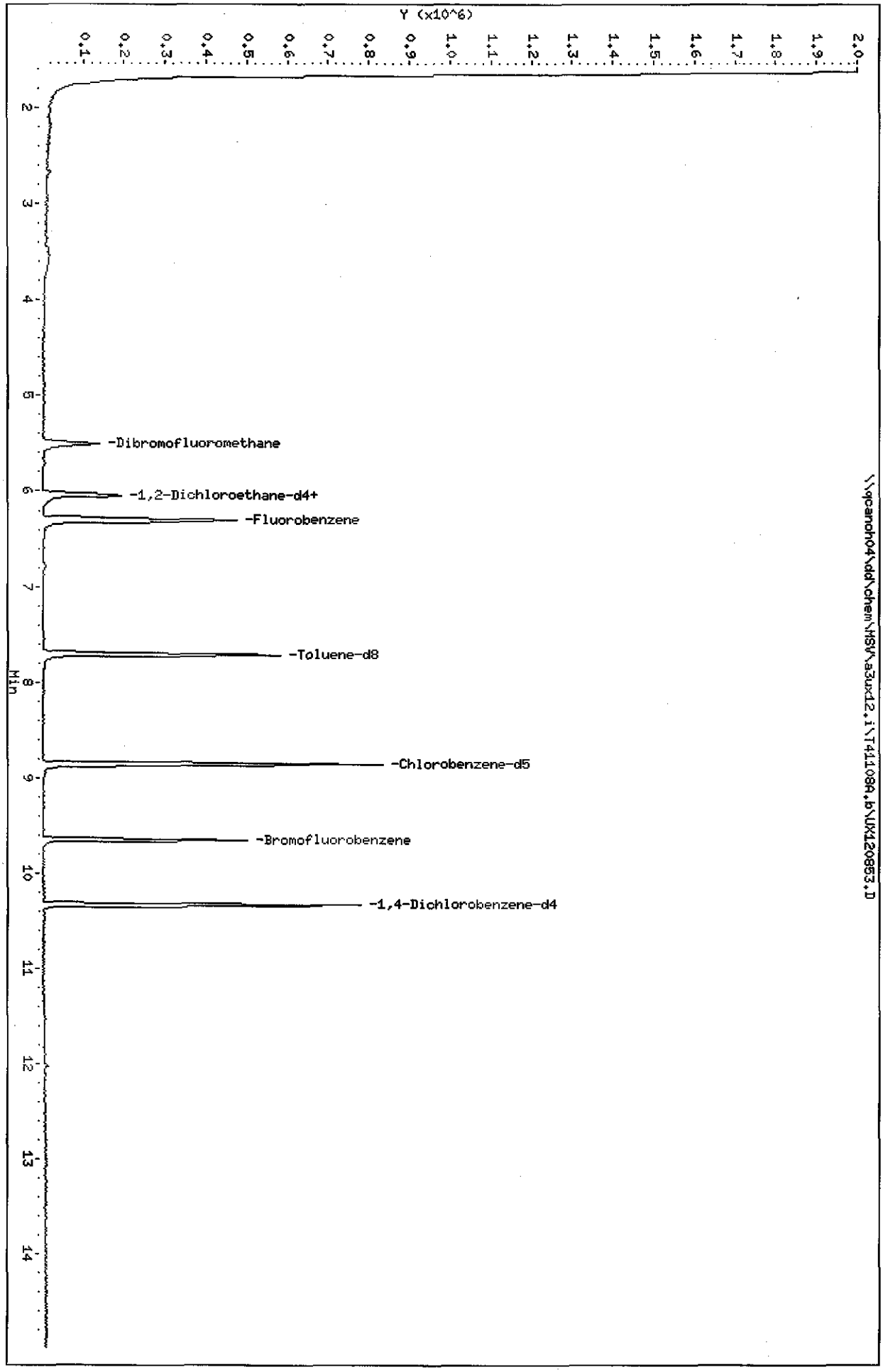
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	57	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	6.105	6.105	(0.968)	9864	2.55309	0.5106
	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\a3ux12.i\T41108A.b\UX120853.D
Report Date: 09-Nov-2004 15:43

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	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120853.D
Date : 09-NOV-2004 00:58
Client ID: DW003/102804
Sample Info: GVR2K1AA,5ML/5ML
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



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Date : 09-NOV-2004 00:58

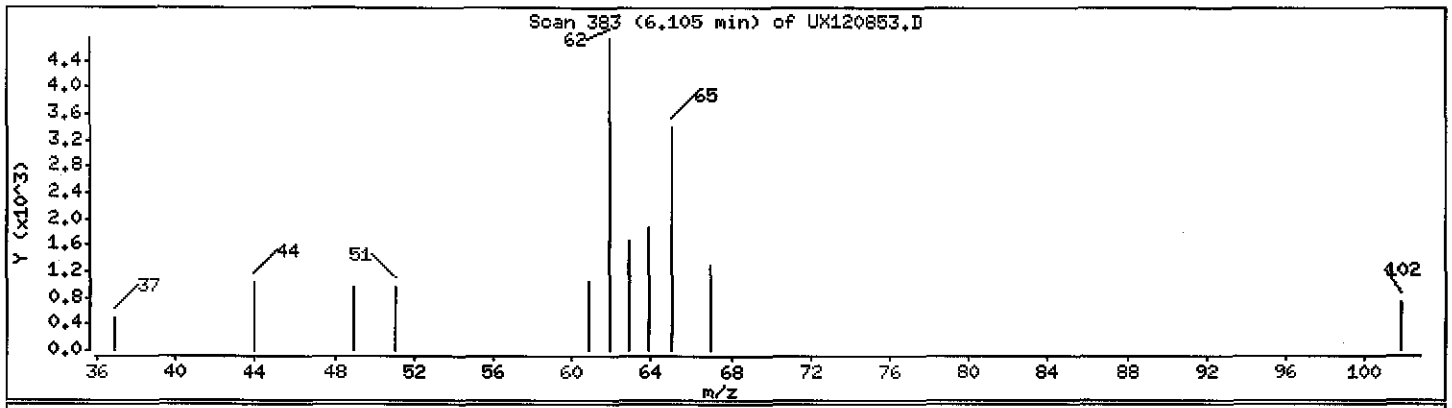
Client ID: DW003/102804 | Instrument: a3ux12.i

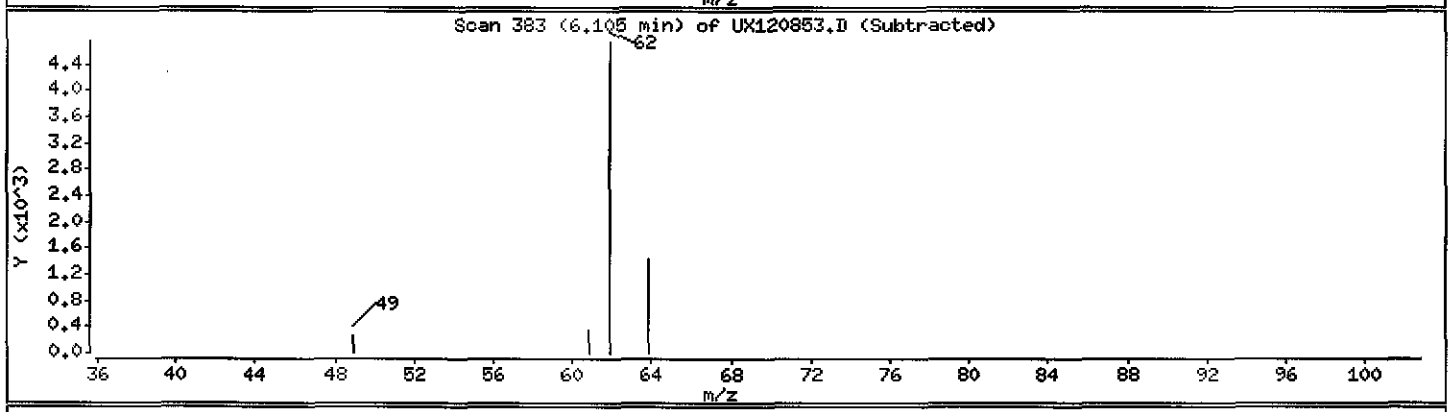
Sample Info: GVR2K1AA,5ML/5ML

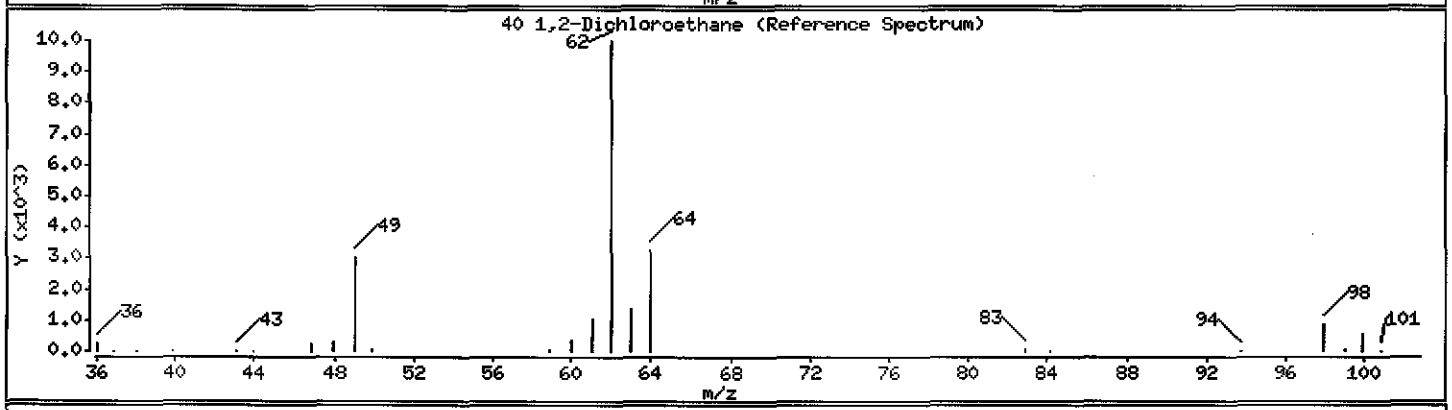
Purge Volume: 5.0 | Operator: 1903

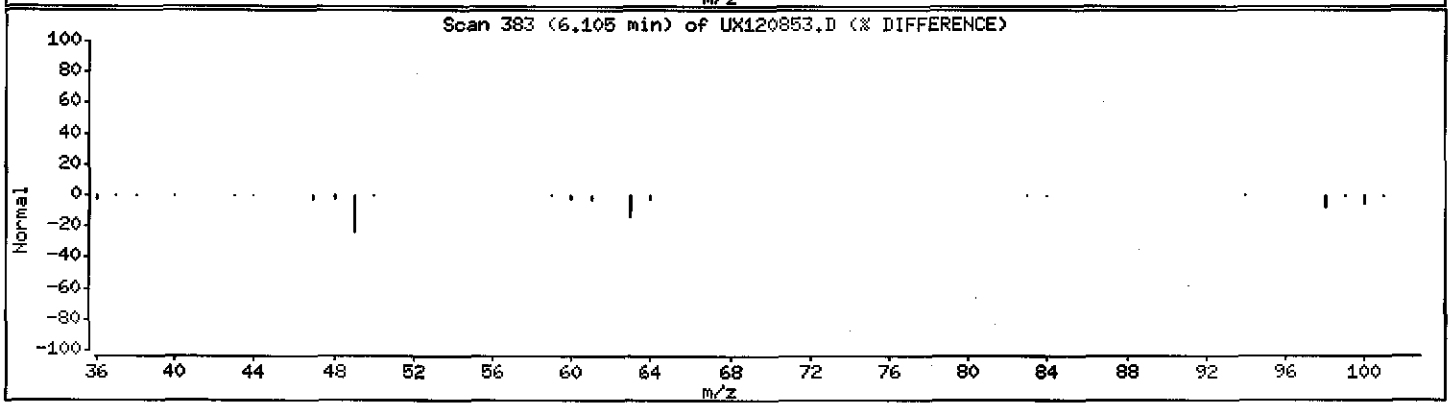
Column phase: RTx-VMS | Column diameter: 0.18

40 1,2-Dichloroethane | Concentration: 0.5106 ug/L









PAYNE FIRM INC.

Client Sample ID: DW004/102804

GC/MS Volatiles

Lot-Sample #...: A4J290129-007 **Work Order #...:** GVR2L1AA **Matrix.....:** WG
Date Sampled...: 10/28/04 12:56 **Date Received..:** 10/29/04
Prep Date.....: 11/09/04 **Analysis Date..:** 11/09/04
Prep Batch #...: 4314481
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	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DW004/102804

GC/MS Volatiles

Lot-Sample #...: A4J290129-007 Work Order #...: GVR2L1AA 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	106	(73 - 122)
1,2-Dichloroethane-d4	118	(61 - 128)
Toluene-d8	90	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120854.D
Report Date: 09-Nov-2004 15:43

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120854.D
Lab Smp Id: GVR2L1AA Client Smp ID: DW004/102804
Inj Date : 09-NOV-2004 01:22
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GVR2L1AA,5ML/5ML
Misc Info : T41108A,8260MIUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m
Meth Date : 09-Nov-2004 15:33 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 02:00 Cal File: UX129650.D
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: QCANOH04

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	6.306	6.306	(1.000)	495444	50.0000	
* 2 Chlorobenzene-d5	117	8.862	8.862	(1.000)	393668	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.341	10.329	(1.000)	187094	50.0000	
$ 4 Dibromofluoromethane	113	5.513	5.513	(0.874)	119299	53.1300	10.626
$ 5 1,2-Dichloroethane-d4	65	6.046	6.046	(0.959)	201079	59.1553	11.831
$ 6 Toluene-d8	98	7.714	7.714	(0.870)	373321	45.2004	9.040
$ 7 Bromofluorobenzene	95	9.655	9.655	(1.089)	132599	38.7631	7.753
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	61	Compound Not Detected.					
18 Freon-113	101	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120854.D
Report Date: 09-Nov-2004 15:43

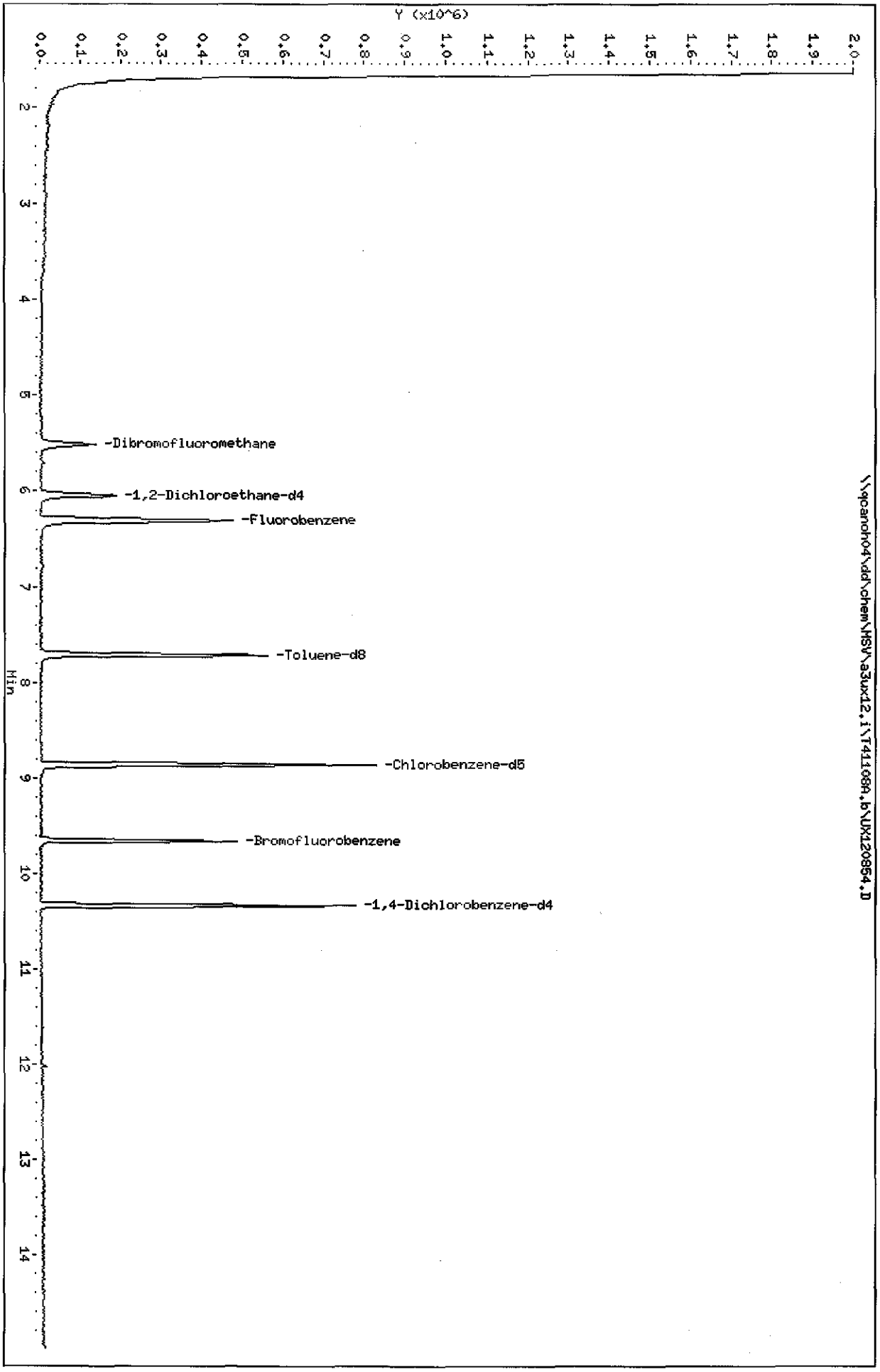
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	57	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\a3ux12.i\T41108A.b\UX120854.D
Report Date: 09-Nov-2004 15:43

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	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120854.D
Date : 09-NOV-2004 01:22
Client ID: DW004/102804
Sample Info: GVR2L1AA,5ML/5ML
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



PAYNE FIRM INC.

Client Sample ID: DW001/102804

GC/MS Volatiles

Lot-Sample #...: A4J290129-008 **Work Order #...:** GVR2M1AA **Matrix.....:** WG
Date Sampled...: 10/28/04 13:42 **Date Received..:** 10/29/04
Prep Date.....: 11/09/04 **Analysis Date..:** 11/09/04
Prep Batch #...: 4314481
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	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DW001/102804

GC/MS Volatiles

Lot-Sample #...: A4J290129-008 **Work Order #...:** GVR2M1AA **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	121	(73 - 122)
1,2-Dichloroethane-d4	130 *	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	88	(74 - 116)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120855.D
Report Date: 09-Nov-2004 15:44

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120855.D
Lab Smp Id: GVR2M1AA Client Smp ID: DW001/102804
Inj Date : 09-NOV-2004 01:47
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GVR2M1AA,5ML/5ML
Misc Info : T41108A,8260MIUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m
Meth Date : 09-Nov-2004 15:33 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 02:00 Cal File: UX129650.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: QCANOH04

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	6.306	6.306	(1.000)	479242	50.0000	
* 2 Chlorobenzene-d5	117	8.862	8.862	(1.000)	394676	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.341	10.329	(1.000)	186028	50.0000	
$ 4 Dibromofluoromethane	113	5.513	5.513	(0.874)	130947	60.2890	12.058
$ 5 1,2-Dichloroethane-d4	65	6.046	6.046	(0.959)	213360	64.8903	12.978(R)
$ 6 Toluene-d8	98	7.714	7.714	(0.870)	404134	48.8061	9.761
$ 7 Bromofluorobenzene	95	9.655	9.655	(1.089)	150162	43.7853	8.757
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	61	Compound Not Detected.					
18 Freon-113	101	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120855.D
Report Date: 09-Nov-2004 15:44

	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	57	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\a3ux12.i\T41108A.b\UX120855.D
Report Date: 09-Nov-2004 15:44

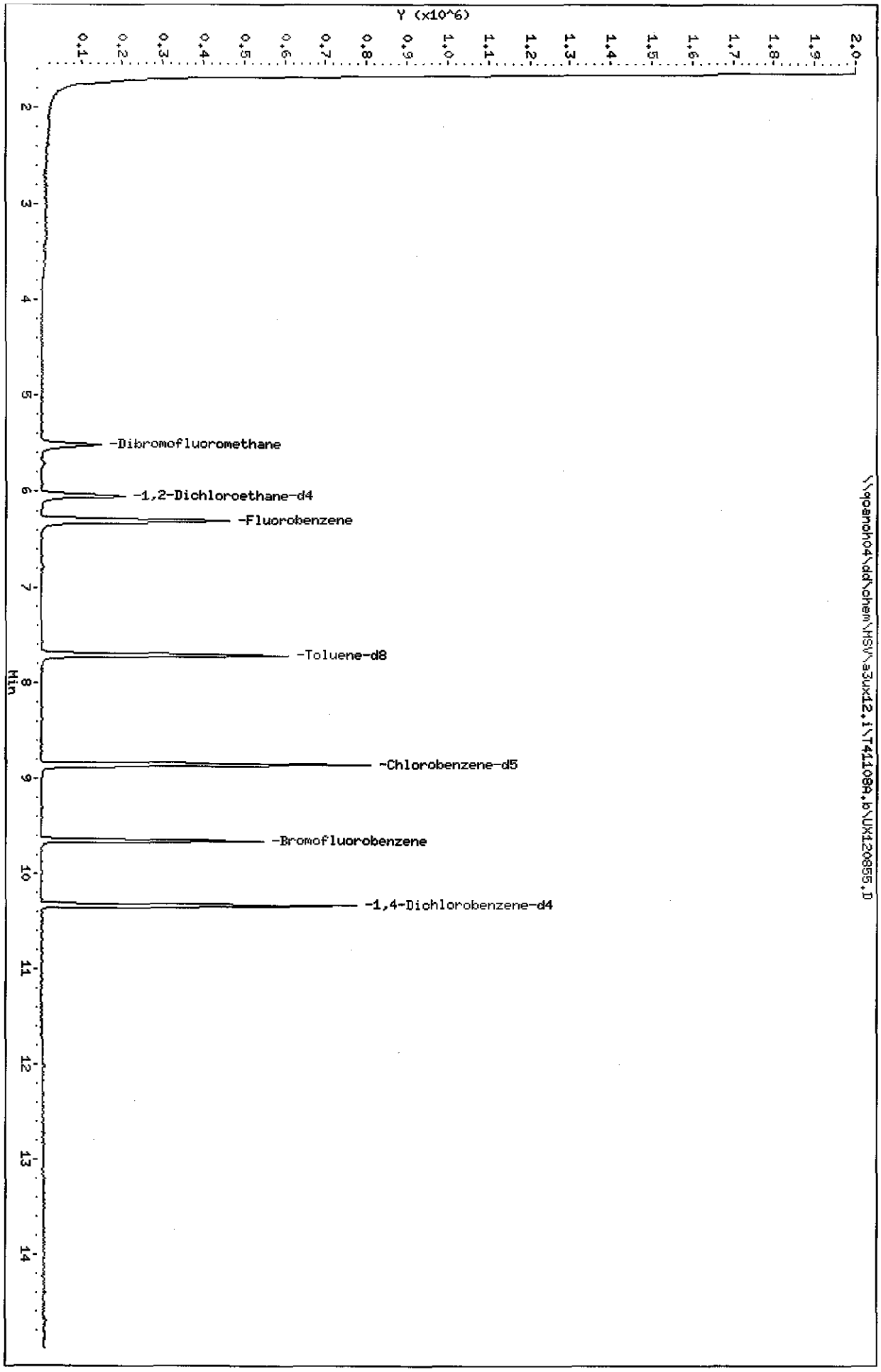
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	Compound Not Detected.					
67 Isopropylbenzene	105	Compound Not Detected.					
68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
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.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T411088.b\UX120855.D
Date : 09-NOV-2004 01:47
Client ID: DW001/102804
Sample Info: GVR2M1AA,5ML/5ML
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



PAYNE FIRM INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A4J290129-009 **Work Order #...:** GVR2N1AA **Matrix.....:** WQ
Date Sampled...: 10/28/04 **Date Received..:** 10/29/04
Prep Date.....: 11/09/04 **Analysis Date..:** 11/09/04
Prep Batch #...: 4314481
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**2.2 J,B**	**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	50	ug/L
Ethylbenzene	ND	1.0	ug/L
Ethyl methacrylate	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A4J290129-009 Work Order #...: GVR2N1AA 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	108	(73 - 122)
1,2-Dichloroethane-d4	124	(61 - 128)
Toluene-d8	88	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120856.D
Report Date: 09-Nov-2004 15:45

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120856.D
Lab Smp Id: GVR2N1AA Client Smp ID: TRIP BLANK
Inj Date : 09-NOV-2004 02:10
Operator : 1903 Inst ID: a3ux12.i
Smp Info : GVR2N1AA,5ML/5ML
Misc Info : T41108A,8260MIUX12,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m
Meth Date : 09-Nov-2004 15:33 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 02:00 Cal File: UX129650.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: QCANOH04

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	6.306	6.306	(1.000)	480036	50.0000	
* 2 Chlorobenzene-d5	117	8.862	8.862	(1.000)	397529	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.341	10.329	(1.000)	182487	50.0000	
$ 4 Dibromofluoromethane	113	5.501	5.513	(0.872)	117112	53.8301	10.766
$ 5 1,2-Dichloroethane-d4	65	6.046	6.046	(0.959)	203677	61.8429	12.368
$ 6 Toluene-d8	98	7.714	7.714	(0.870)	365665	43.8434	8.769
$ 7 Bromofluorobenzene	95	9.655	9.655	(1.089)	140783	40.7559	8.151
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	3.537	3.537	(0.561)	20386	11.1091	2.222
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	101	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120856.D
Report Date: 09-Nov-2004 15:45

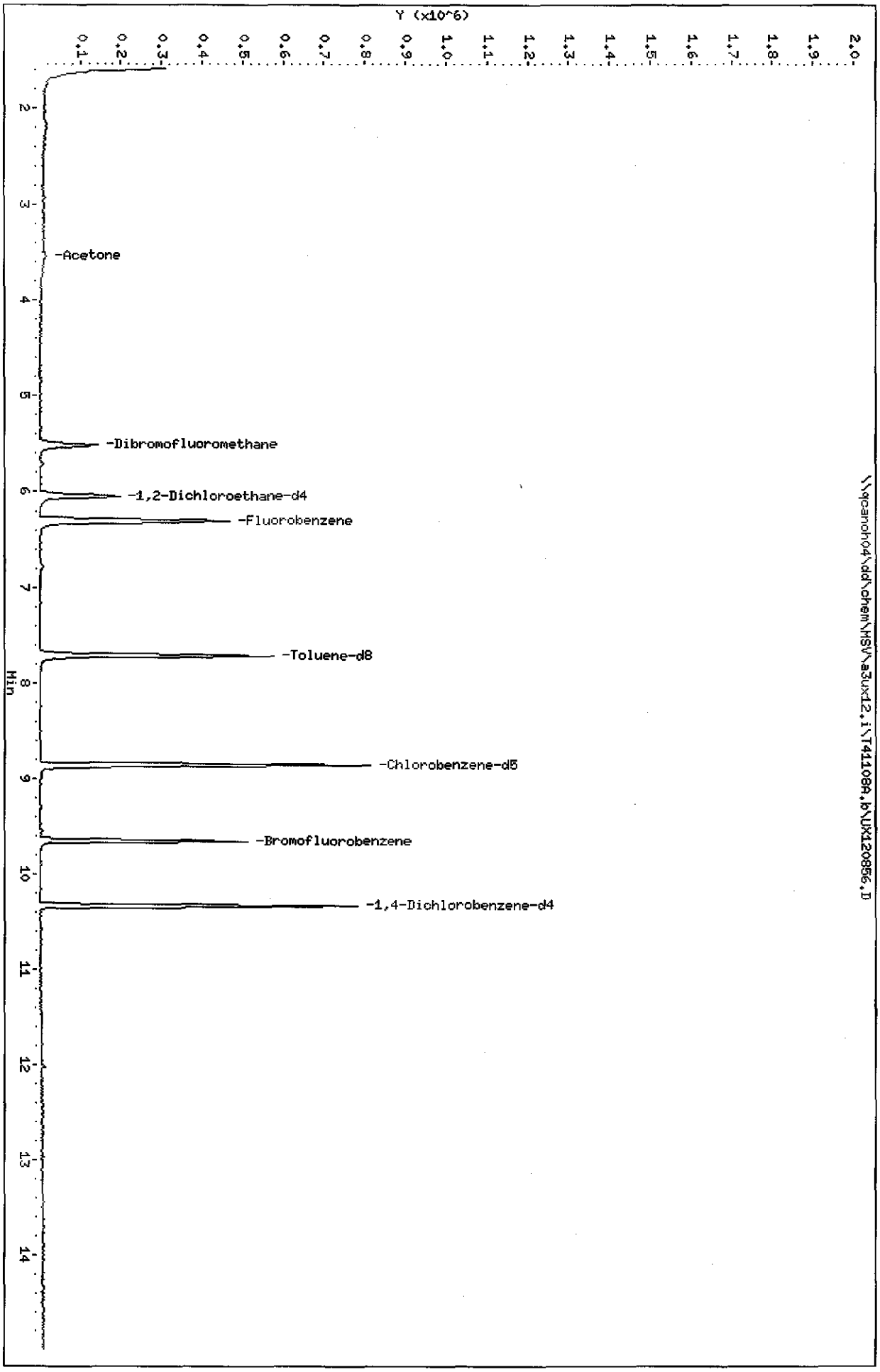
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	Compound Not Detected.					
	22 Acetonitrile	41	Compound Not Detected.					
	23 Acrylonitrile	53	Compound Not Detected.					
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	57	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\a3ux12.i\T41108A.b\UX120856.D
Report Date: 09-Nov-2004 15:45

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120856.D
Date : 09-NOV-2004 02:10
Client ID: TRIP BLANK
Sample Info: GVR2N1AA,5ML/5ML
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120856.D

Date : 09-NOV-2004 02:10

Client ID: TRIP BLANK

Instrument: a3ux12.i

Sample Info: GVR2N1AA,5ML/5ML

Purge Volume: 5.0

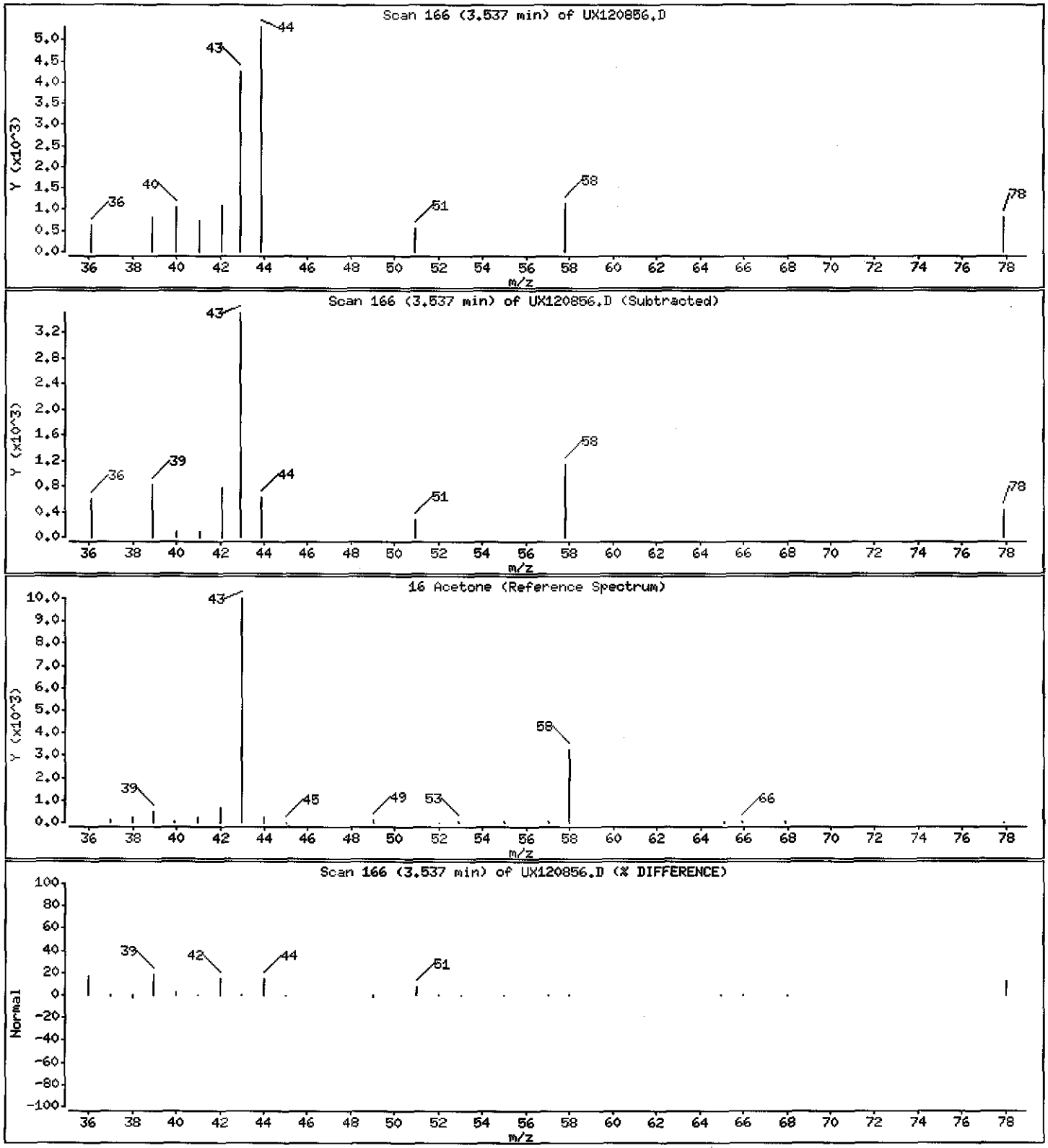
Operator: 1903

Column phase: RTx-VMS

Column diameter: 0.18

16 Acetone

Concentration: 2.222 ug/L



SEVERN TRENT STL

STANDARD DATA

Report Date: 19-Oct-2004 20:47

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
Start Cal Date: 28-SEP-2004 20:05
End Cal Date : 19-OCT-2004 20:14
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.500		
28-SEP-2004 23:58	3-IX	UX129645.D
19-OCT-2004 18:07	2-8260	UX120215.D
Cal Level: 2 , Cal Amount: 10.000		
29-SEP-2004 00:22	3-IX	UX129646.D
19-OCT-2004 18:32	2-8260	UX120216.D
Cal Level: 3 , Cal Amount: 25.000		
29-SEP-2004 00:47	3-IX	UX129647.D
19-OCT-2004 18:58	2-8260	UX120217.D
Cal Level: 4 , Cal Amount: 50.000		
29-SEP-2004 01:11	3-IX	UX129648.D
19-OCT-2004 19:23	2-8260	UX120218.D
Cal Level: 5 , Cal Amount: 100.00		
29-SEP-2004 01:36	3-IX	UX129649.D
19-OCT-2004 19:49	2-8260	UX120219.D
Cal Level: 6 , Cal Amount: 250.00		
29-SEP-2004 02:00	3-IX	UX129650.D
19-OCT-2004 20:14	2-8260	UX120220.D

Continuing Calibration

19-OCT-2004 19:23	2-8260	UX120218.D

Report Date : 19-Oct-2004 20:33

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 28-SEP-2004 20:05
End Cal Date : 19-OCT-2004 20:14
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
Cal Date : 19-Oct-2004 20:30 tapsvc
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129645.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129646.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129647.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129648.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129649.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129650.D

	Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD
	8 Dichlorodifluoromethane	+++++	0.27141	0.28434	0.36844	0.37180	0.35370	0.32994	14.618
	9 Chloromethane	0.61981	0.54919	0.55492	0.50957	0.47420	0.46416	0.52864	11.001
	10 Vinyl Chloride	0.38586	0.36957	0.42067	0.43382	0.42837	0.43499	0.41221	6.715
	11 Bromomethane	+++++	0.27342	0.26531	0.25413	0.24415	0.28118	0.26364	5.615
	12 Chloroethane	+++++	0.28739	0.34357	0.30755	0.31284	0.34448	0.31917	7.708
	13 Trichlorofluoromethane	0.33340	0.28450	0.42129	0.49600	0.50293	0.54107	0.42986	23.858
	14 Dichlorofluoromethane	0.80012	0.69296	0.67765	0.72818	0.76063	0.84082	0.75006	8.398
	15 Acrolein	+++++	0.05019	0.05592	0.05517	0.05428	0.05567	0.05425	4.336
	16 Acetone	+++++	0.18293	0.23071	0.18568	0.19210	0.16428	0.19114	12.777
	17 1,1-Dichloroethene	0.47914	0.45826	0.53657	0.50239	0.53231	0.54586	0.50909	6.901
	18 Freon-113	0.12055	0.15679	0.20309	0.29234	0.29287	0.28351	0.22486	33.639
	19 Iodomethane	+++++	0.25021	0.36480	0.34712	0.37659	0.40501	0.34875	16.910
	20 Carbon Disulfide	1.21768	0.98637	1.12019	1.04980	1.07813	1.09852	1.09178	7.067
	21 Methylene Chloride	+++++	0.28350	0.34951	0.30842	0.31085	0.30867	0.31219	7.587
	22 Acetonitrile	0.07573	0.05636	0.05681	0.05562	0.05865	0.05784	0.06017	12.796
	23 Acrylonitrile	0.10895	0.10661	0.12044	0.11875	0.12000	0.12467	0.11657	6.120
	24 Methyl tert-butyl ether	0.67833	0.58800	0.74484	0.70777	0.72977	0.78860	0.70622	9.726
	25 trans-1,2-Dichloroethene	0.26488	0.25817	0.29206	0.26666	0.28128	0.27585	0.27315	4.532
	26 Hexane	0.47584	0.43922	0.38893	0.49884	0.53177	0.54461	0.47987	12.217
	27 Vinyl acetate	0.51012	0.43599	0.51858	0.52780	0.57656	0.63396	0.53384	12.498
	28 1,1-Dichloroethane	0.45060	0.40319	0.50637	0.45168	0.47250	0.47472	0.45984	7.475
	29 tert-Butyl Alcohol	0.02826	0.02890	0.02905	0.02798	0.02965	0.03077	0.02910	3.468
	30 2-Butanone	0.17272	0.17847	0.24469	0.21115	0.22326	0.21014	0.20674	13.160
M	31 1,2-Dichloroethene (total)	0.23405	0.23846	0.27365	0.25429	0.26900	0.26796	0.25623	6.566
	32 cis-1,2-dichloroethene	0.20323	0.21875	0.25523	0.24192	0.25672	0.26008	0.23932	9.744

Report Date : 19-Oct-2004 20:33

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 28-SEP-2004 20:05
End Cal Date : 19-OCT-2004 20:14
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
Cal Date : 19-Oct-2004 20:30 tapsvc
Curve Type : Average

	Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
	33 2,2-Dichloropropane	0.23257	0.25351	0.24489	0.23989	0.24503	0.23785	0.24229	2.977	
	34 Bromochloromethane	0.07634	0.11795	0.12853	0.11939	0.12233	0.12429	0.11481	16.736	
	35 Chloroform	0.45231	0.41534	0.49323	0.45609	0.46656	0.46386	0.45790	5.528	
	36 Tetrahydrofuran	+++++	0.21728	0.13225	0.11965	0.11078	0.10060	0.13611	34.414	
	37 1,1,1-Trichloroethane	0.32695	0.31677	0.37952	0.36088	0.39091	0.37736	0.35873	8.445	
	38 1,1-Dichloropropene	0.28794	0.26833	0.33199	0.32009	0.34909	0.36091	0.31973	11.156	
	39 Carbon Tetrachloride	0.38982	0.34461	0.34818	0.33984	0.36761	0.37415	0.36070	5.443	
	40 1,2-Dichloroethane	0.41975	0.39684	0.41501	0.37710	0.39172	0.38502	0.39757	4.220	
	41 Benzene	1.01073	0.95849	1.09708	1.01252	1.06829	1.08008	1.03786	5.079	
	42 Trichloroethene	0.23597	0.23338	0.28060	0.25914	0.27017	0.26765	0.25782	7.449	
	43 1,2-Dichloropropane	0.24568	0.23261	0.26223	0.24628	0.26014	0.26639	0.25222	5.097	
	44 1,4-Dioxane	+++++	0.00193	0.00259	0.00277	0.00300	0.00328	0.00271	18.688	<-
	45 Dibromomethane	0.13235	0.13973	0.15484	0.14985	0.15271	0.15160	0.14685	6.020	
	46 Bromodichloromethane	0.28254	0.29510	0.33884	0.30721	0.33424	0.34869	0.31777	8.371	
	47 2-Chloroethyl vinyl ether	0.05218	0.04142	0.06474	0.06756	0.07815	0.08670	0.06513	25.421	
	48 cis-1,3-Dichloropropene	0.30898	0.31282	0.39957	0.38242	0.41762	0.44012	0.37692	14.492	
	49 4-Methyl-2-pentanone	0.23698	0.20007	0.34030	0.29617	0.33927	0.35200	0.29413	21.306	
	50 Toluene	1.06671	1.05169	1.39898	1.24669	1.36365	1.40547	1.25553	12.943	
	51 trans-1,3-Dichloropropene	0.34933	0.36964	0.47119	0.43644	0.50451	0.52385	0.44249	16.079	
	52 Ethyl Methacrylate	+++++	0.21419	0.35379	0.35056	0.42930	0.48180	0.36593	27.616	
	53 1,1,2-Trichloroethane	0.27275	0.25060	0.29869	0.26924	0.27269	0.28373	0.27462	5.817	
	54 1,3-Dichloropropane	0.46900	0.50998	0.55604	0.50009	0.53686	0.54743	0.51990	6.340	
	55 Tetrachloroethene	0.20728	0.22039	0.24476	0.21090	0.22478	0.23116	0.22321	6.154	
	56 2-Hexanone	0.22403	0.20366	0.37851	0.30706	0.36910	0.35448	0.30614	24.783	
	57 Dibromochloromethane	0.23716	0.21677	0.26556	0.26206	0.28347	0.30110	0.26102	11.695	
	58 1,2-Dibromoethane	0.23691	0.26829	0.28657	0.25424	0.27562	0.28638	0.26800	7.267	
	59 Chlorobenzene	0.80061	0.79004	0.96977	0.83002	0.91356	0.92609	0.87168	8.552	
	60 1,1,1,2-Tetrachloroethane	0.23930	0.29218	0.31514	0.28631	0.31177	0.33134	0.29601	10.881	
	61 Ethylbenzene	0.33116	0.36347	0.43910	0.40639	0.45744	0.48057	0.41302	13.873	
	62 m + p-Xylene	0.41614	0.38871	0.57461	0.52200	0.58319	0.63323	0.51965	18.820	
M	63 Xylenes (total)	0.39571	0.37614	0.54922	0.50641	0.57373	0.62420	0.50423	19.720	
	64 Xylene-o	0.35485	0.35100	0.49844	0.47522	0.55480	0.60614	0.47341	21.935	
	65 Styrene	0.52833	0.48247	0.88097	0.85409	0.97673	1.11464	0.80621	31.089	

Report Date : 19-Oct-2004 20:33

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 28-SEP-2004 20:05
End Cal Date : 19-OCT-2004 20:14
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
Cal Date : 19-Oct-2004 20:30 tapsvc
Curve Type : Average

Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
66 Bromoform	0.13444	0.14266	0.16829	0.17167	0.20257	0.22908	0.17479	20.519	
67 Isopropylbenzene	0.75435	0.74817	1.12086	1.05106	1.21142	1.35817	1.04067	23.695	
68 1,1,2,2-Tetrachloroethane	0.87600	0.71162	0.78098	0.72645	0.77784	0.77538	0.77471	7.442	
69 1,4-Dichloro-2-butene	+++++	0.16990	0.24722	0.24175	0.27054	0.28455	0.24279	18.244	
70 1,2,3-Trichloropropane	0.33977	0.25952	0.30855	0.29050	0.30256	0.29062	0.29859	8.819	
71 Bromobenzene	0.76083	0.62438	0.79090	0.68569	0.74230	0.75085	0.72583	8.326	
72 n-Propylbenzene	0.33469	0.35600	0.62736	0.54911	0.63005	0.65499	0.52537	27.422	
73 2-Chlorotoluene	0.41770	0.46217	0.63446	0.57869	0.62585	0.65757	0.56274	17.686	
74 1,3,5-Trimethylbenzene	1.23912	1.21905	1.88033	1.76033	2.00937	2.15714	1.71089	23.143	
75 4-Chlorotoluene	0.40710	0.54293	0.65471	0.60225	0.66119	0.66943	0.58960	17.194	
76 tert-Butylbenzene	1.03600	1.04919	1.42761	1.36677	1.53674	1.66172	1.34634	19.005	
77 1,2,4-Trimethylbenzene	1.14437	1.30592	1.98028	1.80401	2.08185	2.20946	1.75431	24.730	
78 sec-Butylbenzene	1.42247	1.28141	2.01719	1.81180	2.12278	2.29851	1.82569	22.012	
79 4-Isopropyltoluene	0.99833	1.01022	1.54010	1.42457	1.69610	1.85570	1.42084	24.908	
80 1,3-Dichlorobenzene	1.28389	1.06189	1.25598	1.10604	1.21152	1.25616	1.19591	7.596	
81 1,4-Dichlorobenzene	1.22680	1.34881	1.42251	1.23458	1.32518	1.36148	1.31989	5.777	
82 n-Butylbenzene	1.05864	0.93663	1.30005	1.20428	1.40893	1.60398	1.25209	19.233	
83 1,2-Dichlorobenzene	1.18591	1.06217	1.24591	1.11750	1.21324	1.25124	1.17933	6.385	
84 1,2 Dibromo-3-chloropropane	0.09597	0.07321	0.10970	0.10859	0.12369	0.13953	0.10845	21.017	
85 1,2,4-Trichlorobenzene	0.31685	0.32139	0.45111	0.41814	0.49288	0.57216	0.42876	23.168	
86 Hexachlorobutadiene	0.28384	0.24156	0.22876	0.17552	0.20013	0.21553	0.22422	16.571	
87 Naphthalene	0.83833	0.78366	1.13637	1.23298	1.55881	1.79270	1.22381	32.396	
88 1,2,3-Trichlorobenzene	0.29594	0.32469	0.39495	0.38551	0.43513	0.48360	0.38663	17.877	
89 Ethyl Ether	0.24020	0.25183	0.23877	0.26118	0.26985	0.29090	0.25879	7.639	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91 3-Chloropropene	+++++	0.14680	0.15954	0.15172	0.16471	0.17203	0.15896	6.327	
92 Isopropyl Ether	0.18758	0.19790	0.21825	0.21620	0.22640	0.22879	0.21252	7.702	
93 2-Chloro-1,3-butadiene	0.32586	0.27591	0.34097	0.34181	0.35367	0.35872	0.33282	9.054	
94 Propionitrile	+++++	0.02548	0.03373	0.03431	0.03485	0.03428	0.03253	12.182	<-
95 Ethyl Acetate	0.31562	0.24396	0.23969	0.22998	0.23788	0.23461	0.25029	12.925	
96 Methacrylonitrile	0.18130	0.15610	0.15122	0.14691	0.15201	0.15127	0.15647	7.995	
97 Isobutanol	0.01017	0.01111	0.01089	0.00998	0.00974	0.00972	0.01027	5.788	<-
98 Cyclohexane	0.25466	0.27107	0.30179	0.36824	0.41275	0.45917	0.34461	23.808	

Report Date : 19-Oct-2004 20:33

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 28-SEP-2004 20:05
End Cal Date : 19-OCT-2004 20:14
Quant Method : ISTD
Origin : Disabled
Target Version : 4.04
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
Cal Date : 19-Oct-2004 20:30 tapsvc
Curve Type : Average

	Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
	99 n-Butanol	0.00607	0.00531	0.00671	0.00710	0.00767	0.00804	0.00682	14.865	<-
	100 Methyl Methacrylate	0.28083	0.21311	0.20462	0.20627	0.21302	0.21926	0.22285	12.964	
	101 2-Nitropropane	0.05829	0.06128	0.05450	0.05025	0.05672	0.05667	0.05629	6.594	
	102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	103 Cyclohexanone	+++++	0.03436	0.02542	0.02438	0.02468	0.02407	0.02658	16.468	
	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	0.55399	0.55855	0.56758	0.50063	0.57488	0.62862	0.56404	7.289	
	143 Methyl Acetate	0.62278	0.52935	0.50050	0.48579	0.50389	0.49286	0.52253	9.818	
	144 Methylcyclohexane	0.25702	0.24399	0.22081	0.27884	0.30811	0.32475	0.27225	14.473	
	145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	146 2-Methylnaphthalene	0.48410	0.60604	0.75540	0.90292	0.99711	1.16050	0.81768	30.791	
	147 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$	4 Dibromofluoromethane	+++++	0.20505	0.22942	0.24388	0.23113	0.22355	0.22661	6.244	
$	5 1,2-Dichloroethane-d4	+++++	0.31885	0.35182	0.36364	0.34523	0.33567	0.34304	4.934	
$	6 Toluene-d8	+++++	0.83841	1.06806	1.14198	1.09549	1.10111	1.04901	11.502	
$	7 Bromofluorobenzene	+++++	0.34523	0.43605	0.46666	0.45665	0.46776	0.43447	11.850	

eport Date : 20-Oct-2004 19:23

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 28-SEP-2004 20:05
nd Cal Date : 19-OCT-2004 20:14
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
al Date : 20-Oct-2004 19:07 laveyt

alibration File Names:
evel 1: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129645.D
evel 2: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129646.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129647.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129648.D
evel 5: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129649.D
evel 6: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129650.D

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
8 Dichlorodifluoromethane	+++++	0.27141	0.28434	0.36844	0.37180	0.35370	AVRG		0.32994		14.61791
9 Chloromethane	0.61981	0.54919	0.55492	0.50957	0.47420	0.46416	AVRG		0.52864		11.00062
10 Vinyl Chloride	0.38586	0.36957	0.42067	0.43382	0.42837	0.43499	AVRG		0.41221		6.71520
11 Bromomethane	+++++	0.27342	0.26531	0.25413	0.24415	0.28118	AVRG		0.26364		5.61465
12 Chloroethane	+++++	0.28739	0.34357	0.30755	0.31284	0.34448	AVRG		0.31917		7.70808
13 Trichlorofluoromethane	13024	21806	163140	393779	837994	2328434	LINR	0.07963	0.54612		0.99926
14 Dichlorofluoromethane	0.80012	0.69296	0.67765	0.72818	0.76063	0.84082	AVRG		0.75006		8.39772
15 Acrolein	+++++	0.05019	0.05592	0.05517	0.05428	0.05567	AVRG		0.05425		4.33615
16 Acetone	+++++	0.18293	0.23071	0.18568	0.19210	0.16428	AVRG		0.19114		12.77676

eport Date : 20-Oct-2004 19:23

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 28-SEP-2004 20:05
nd Cal Date : 19-OCT-2004 20:14
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
al Date : 20-Oct-2004 19:07 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
17 1,1-Dichloroethene	0.47914	0.45826	0.53657	0.50239	0.53231	0.54586	AVRG		0.50909		6.90121
18 Freon-113	4709	12018	78644	232093	487989	1220051	LINR	0.04159	0.28795		0.99879
19 Iodomethane	+++++	19178	141267	275579	627487	1742938	LINR	0.09526	0.41025		0.99910
20 Carbon Disulfide	1.21768	0.98637	1.12019	1.04980	1.07813	1.09852	AVRG		1.09178		7.06679
21 Methylene Chloride	+++++	0.28350	0.34951	0.30842	0.31085	0.30867	AVRG		0.31219		7.58680
22 Acetonitrile	0.07573	0.05636	0.05681	0.05562	0.05865	0.05784	AVRG		0.06017		12.79565
23 Acrylonitrile	0.10895	0.10661	0.12044	0.11875	0.12000	0.12467	AVRG		0.11657		6.12008
24 Methyl tert-butyl ether	0.67833	0.58800	0.74484	0.70777	0.72977	0.78860	AVRG		0.70622		9.72582
25 trans-1,2-Dichloroethene	0.26488	0.25817	0.29206	0.26666	0.28128	0.27585	AVRG		0.27315		4.53155
26 Hexane	0.47584	0.43922	0.38893	0.49884	0.53177	0.54461	AVRG		0.47987		12.21657
27 Vinyl acetate	0.51012	0.43599	0.51858	0.52780	0.57656	0.63396	AVRG		0.53384		12.49763
28 1,1-Dichloroethane	0.45060	0.40319	0.50637	0.45168	0.47250	0.47472	AVRG		0.45984		7.47499
29 tert-Butyl Alcohol	0.02826	0.02890	0.02905	0.02798	0.02965	0.03077	AVRG		0.02910		3.46790
30 2-Butanone	0.17272	0.17847	0.24469	0.21115	0.22326	0.21014	AVRG		0.20674		13.16047
31 1,2-Dichloroethene (total)	0.23405	0.23846	0.27365	0.25429	0.26900	0.26796	AVRG		0.25623		6.56608
32 cis-1,2-dichloroethene	0.20323	0.21875	0.25523	0.24192	0.25672	0.26008	AVRG		0.23932		9.74360
33 2,2-Dichloropropane	0.23257	0.25351	0.24489	0.23989	0.24503	0.23785	AVRG		0.24229		2.97711

eport Date : 20-Oct-2004 19:23

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 28-SEP-2004 20:05
nd Cal Date : 19-OCT-2004 20:14
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
al Date : 20-Oct-2004 19:07 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
34 Bromochloromethane	+++++	0.11795	0.12853	0.11939	0.12233	0.12429	AVRG		0.12250		3.41488	
35 Chloroform	0.45231	0.41534	0.49323	0.45609	0.46656	0.46386	AVRG		0.45790		5.52846	
36 Tetrahydrofuran	+++++	16654	51213	94991	184587	432931	LINR	-0.18804	0.09770		0.99911	
37 1,1,1-Trichloroethane	0.32695	0.31677	0.37952	0.36088	0.39091	0.37736	AVRG		0.35873		8.44549	
38 1,1-Dichloropropene	0.28794	0.26833	0.33199	0.32009	0.34909	0.36091	AVRG		0.31973		11.15569	
39 Carbon Tetrachloride	0.38982	0.34461	0.34818	0.33984	0.36761	0.37415	AVRG		0.36070		5.44339	
40 1,2-Dichloroethane	0.41975	0.39684	0.41501	0.37710	0.39172	0.38502	AVRG		0.39757		4.21978	
41 Benzene	1.01073	0.95849	1.09708	1.01252	1.06829	1.08008	AVRG		1.03786		5.07917	
42 Trichloroethene	0.23597	0.23338	0.28060	0.25914	0.27017	0.26765	AVRG		0.25782		7.44919	
43 1,2-Dichloropropane	0.24568	0.23261	0.26223	0.24628	0.26014	0.26639	AVRG		0.25222		5.09708	
44 1,4-Dioxane	+++++	7411	50200	109811	249805	706132	LINR	6.18468	0.00334		0.99890	<-
45 Dibromomethane	0.13235	0.13973	0.15484	0.14985	0.15271	0.15160	AVRG		0.14685		6.01994	
46 Bromodichloromethane	0.28254	0.29510	0.33884	0.30721	0.33424	0.34869	AVRG		0.31777		8.37124	
47 2-Chloroethyl vinyl ether	4077	6350	50138	107271	260418	746215	LINR	0.24200	0.08789		0.99775	
48 cis-1,3-Dichloropropene	0.30898	0.31282	0.39957	0.38242	0.41762	0.44012	AVRG		0.37692		14.49161	
49 4-Methyl-2-pentanone	18515	30670	263553	470257	1130606	3029641	LINR	0.12439	0.35481		0.99910	
50 Toluene	1.06671	1.05169	1.39898	1.24669	1.36365	1.40547	AVRG		1.25553		12.94281	

eport Date : 20-Oct-2004 19:23

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 28-SEP-2004 20:05
nd Cal Date : 19-OCT-2004 20:14
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
al Date : 20-Oct-2004 19:07 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
51 trans-1,3-Dichloropropene	11093	22959	150206	293800	707218	1889252	LINR	0.06847	0.52854		0.99907
52 Ethyl Methacrylate	6046	13304	112781	235992	601786	1737598	LINR	0.13981	0.48981		0.99693
53 1,1,2-Trichloroethane	0.27275	0.25060	0.29869	0.26924	0.27269	0.28373	AVRG		0.27462		5.81668
54 1,3-Dichloropropane	0.46900	0.50998	0.55604	0.50009	0.53686	0.54743	AVRG		0.51990		6.34022
55 Tetrachloroethene	0.20728	0.22039	0.24476	0.21090	0.22478	0.23116	AVRG		0.22321		6.15424
56 2-Hexanone	14228	25299	241321	413410	1034788	2556824	LINR	0.05494	0.35809		0.99859
57 Dibromochloromethane	0.23716	0.21677	0.26556	0.26206	0.28347	0.30110	AVRG		0.26102		11.69525
58 1,2-Dibromoethane	0.23691	0.26829	0.28657	0.25424	0.27562	0.28638	AVRG		0.26800		7.26745
59 Chlorobenzene	0.80061	0.79004	0.96977	0.83002	0.91356	0.92609	AVRG		0.87168		8.55233
60 1,1,1,2-Tetrachloroethane	0.23930	0.29218	0.31514	0.28631	0.31177	0.33134	AVRG		0.29601		10.88094
61 Ethylbenzene	0.33116	0.36347	0.43910	0.40639	0.45744	0.48057	AVRG		0.41302		13.87272
62 m + p-Xylene	26429	48287	366350	702794	1635021	4567430	QUAD	0.04649	1.79726	-0.03568	0.99971
63 Xylenes (total)	37697	70088	525243	1022705	2412732	6753467	QUAD	0.08631	1.83011	-0.02542	0.99967
64 Xylene-o	11268	21801	158893	319911	777711	2186037	QUAD	0.04085	1.89793	-0.08671	0.99954
65 Styrene	16777	29967	280835	574958	1369174	4019893	QUAD	0.04317	1.08415	-0.03501	0.99974
66 Bromoform	4269	8861	53649	115566	283960	826160	LINR	0.13013	0.23221		0.99680
67 Isopropylbenzene	23954	46470	357310	707549	1698155	4898172	LINR	0.11434	1.37340		0.99739

eport Date : 20-Oct-2004 19:23

STL North Canton

INITIAL CALIBRATION DATA

:art Cal Date : 28-SEP-2004 20:05
ıd Cal Date : 19-OCT-2004 20:14
ıant Method : ISTD
ırget Version : 4.04
ıtegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
ıl Date : 20-Oct-2004 19:07 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
68 1,1,2,2-Tetrachloroethane	0.87600	0.71162	0.78098	0.72645	0.77784	0.77538	AVRG		0.77471		7.44156
69 1,4-Dichloro-2-butene	+++++	4948	40902	85682	202817	570994	LINR	0.09569	0.28888		0.99939
70 1,2,3-Trichloropropane	0.33977	0.25952	0.30855	0.29050	0.30256	0.29062	AVRG		0.29859		8.81865
71 Bromobenzene	0.76083	0.62438	0.79090	0.68569	0.74230	0.75085	AVRG		0.72583		8.32611
72 n-Propylbenzene	4673	10368	103794	194620	472328	1314363	LINR	0.06717	0.66087		0.99912
73 2-Chlorotoluene	+++++	0.46217	0.63446	0.57869	0.62585	0.65757	AVRG		0.59175		13.16651
74 1,3,5-Trimethylbenzene	17301	35503	311092	623915	1506351	4328701	LINR	0.08844	2.17859		0.99867
75 4-Chlorotoluene	+++++	0.54293	0.65471	0.60225	0.66119	0.66943	AVRG		0.62610		8.53191
76 tert-Butylbenzene	14465	30556	236192	484424	1152033	3334548	LINR	0.08797	1.67681		0.99860
77 1,2,4-Trimethylbenzene	15978	38033	327628	639394	1560684	4433700	LINR	0.08271	2.23125		0.99880
78 sec-Butylbenzene	19861	37319	333735	642155	1591364	4612380	LINR	0.09549	2.32234		0.99817
79 4-Isopropyltoluene	13939	29421	254803	504912	1271502	3723811	LINR	0.10942	1.87857		0.99782
80 1,3-Dichlorobenzene	1.28389	1.06189	1.25598	1.10604	1.21152	1.25616	AVRG		1.19591		7.59596
81 1,4-Dichlorobenzene	1.22680	1.34881	1.42251	1.23458	1.32518	1.36148	AVRG		1.31989		5.77680
82 n-Butylbenzene	14781	27278	215088	426832	1056222	3218691	LINR	0.12275	1.62238		0.99660
83 1,2-Dichlorobenzene	1.18591	1.06217	1.24591	1.11750	1.21324	1.25124	AVRG		1.17933		6.38466
84 1,2-Dibromo-3-chloropropane	1340	2132	18149	38489	92724	279992	LINR	0.11848	0.14115		0.99728

eport Date : 20-Oct-2004 19:23

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 28-SEP-2004 20:05
nd Cal Date : 19-OCT-2004 20:14
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
al Date : 20-Oct-2004 19:07 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
85 1,2,4-Trichlorobenzene	4424	9360	74634	148203	369497	1148138	LINR	0.13647	0.57951		0.99584	
86 Hexachlorobutadiene	+++++	0.24156	0.22876	0.17552	0.20013	0.21553	AVRG		0.21230		12.09676	
87 Naphthalene	11705	22823	188008	437006	1168584	3597382	LINR	0.16547	1.82869		0.99559	
88 1,2,3-Trichlorobenzene	+++++	0.32469	0.39495	0.38551	0.43513	0.48360	AVRG		0.40477		14.62411	
89 Ethyl Ether	0.24020	0.25183	0.23877	0.26118	0.26985	0.29090	AVRG		0.25879		7.63880	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	+++++	0.14680	0.15954	0.15172	0.16471	0.17203	AVRG		0.15896		6.32742	
92 Isopropyl Ether	0.18758	0.19790	0.21825	0.21620	0.22640	0.22879	AVRG		0.21252		7.70245	
93 2-Chloro-1,3-butadiene	0.32586	0.27591	0.34097	0.34181	0.35367	0.35872	AVRG		0.33282		9.05417	
94 Propionitrile	+++++	0.02548	0.03373	0.03431	0.03485	0.03428	AVRG		0.03253		12.18196	<-
95 Ethyl Acetate	0.31562	0.24396	0.23969	0.22998	0.23788	0.23461	AVRG		0.25029		12.92521	
96 Methacrylonitrile	0.18130	0.15610	0.15122	0.14691	0.15201	0.15127	AVRG		0.15647		7.99466	
97 Isobutanol	0.01017	0.01111	0.01089	0.00998	0.00974	0.00972	AVRG		0.01027		5.78845	<-
98 Cyclohexane	9948	20777	116866	292352	687725	1975991	LINR	0.12527	0.46596		0.99772	
99 n-Butanol	0.00607	0.00531	0.00671	0.00710	0.00767	0.00804	AVRG		0.00682		14.86512	<-
100 Methyl Methacrylate	0.28083	0.21311	0.20462	0.20627	0.21302	0.21926	AVRG		0.22285		12.96363	
101 2-Nitropropane	0.05829	0.06128	0.05450	0.05025	0.05672	0.05667	AVRG		0.05629		6.59445	

eport Date : 20-Oct-2004 19:23

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 28-SEP-2004 20:05
nd Cal Date : 19-OCT-2004 20:14
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
al Date : 20-Oct-2004 19:07 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	+++++	7992	29925	57855	113331	296923	LINR	-0.38019	0.02391		0.99993	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	0.55399	0.55855	0.56758	0.50063	0.57488	0.62862	AVRG		0.56404		7.28945	
143 Methyl Acetate	0.62278	0.52935	0.50050	0.48579	0.50389	0.49286	AVRG		0.52253		9.81788	
144 Methylcyclohexane	0.25702	0.24399	0.22081	0.27884	0.30811	0.32475	AVRG		0.27225		14.47300	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	57673	140974	889407	2142853	4579247	14318502	LINR	1.45772	1.17836		0.99646	
147 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

eport Date : 20-Oct-2004 19:23

STL North Canton

INITIAL CALIBRATION DATA

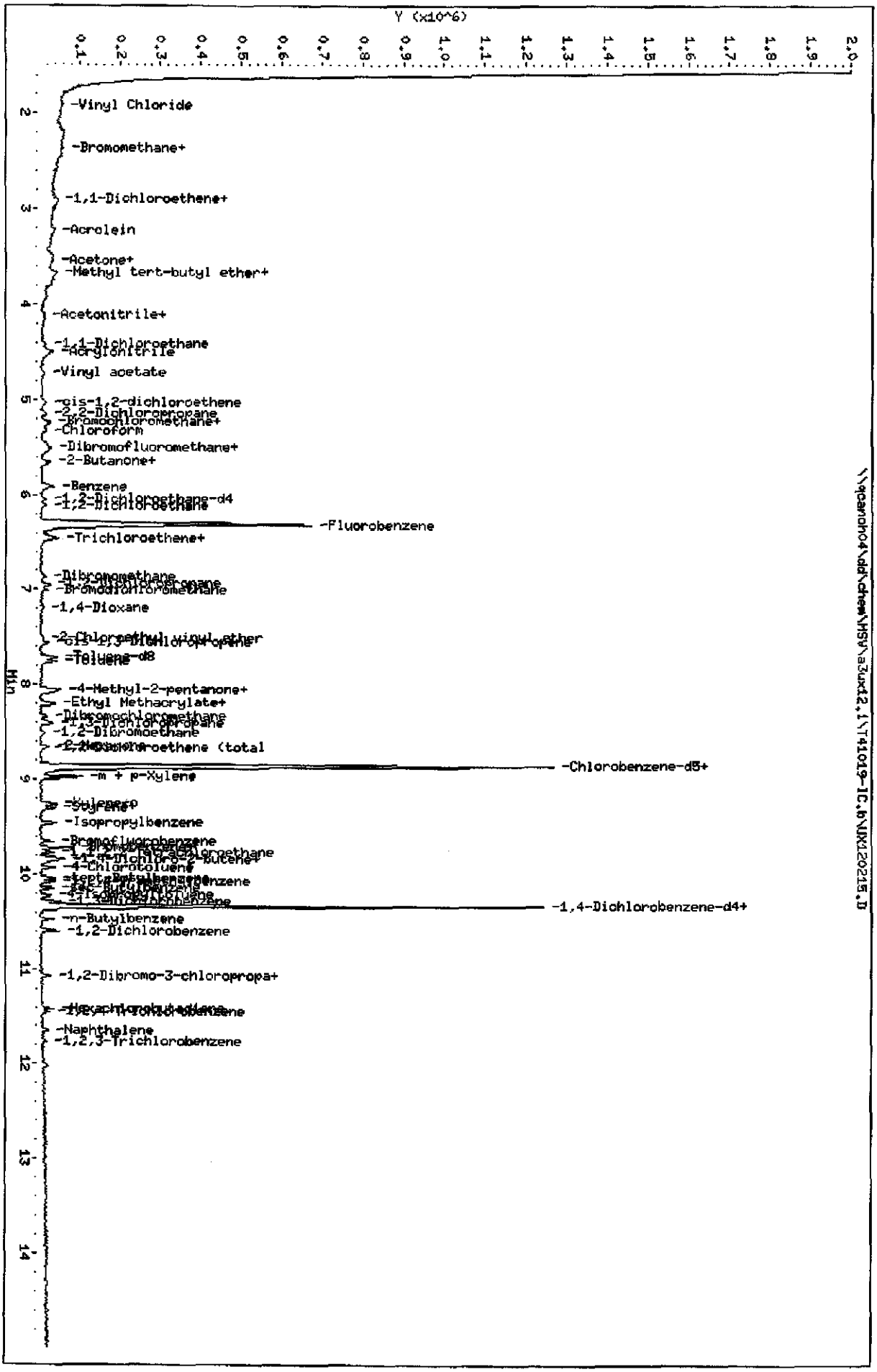
tart Cal Date : 28-SEP-2004 20:05
nd Cal Date : 19-OCT-2004 20:14
uant Method : ISTD
arget Version : 4.04
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
al Date : 20-Oct-2004 19:07 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
4 Dibromofluoromethane	+++++	0.20505	0.22942	0.24388	0.23113	0.22355	AVRG		0.22661		6.24352
5 1,2-Dichloroethane-d4	+++++	0.31885	0.35182	0.36364	0.34523	0.33567	AVRG		0.34304		4.93396
6 Toluene-d8	+++++	0.83841	1.06806	1.14198	1.09549	1.10111	AVRG		1.04901		11.50221
7 Bromofluorobenzene	+++++	0.34523	0.43605	0.46666	0.45665	0.46776	AVRG		0.43447		11.84981

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

Data File: \\pcanoh04\dd\chem\HSV\a3ux12.i\T41019-IC.b\UX120215.D
Date : 19-OCT-2004 18:07
Client ID:
Sample Info: 2.5NG-IC
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



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Report Date: 19-Oct-2004 21:51

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120215.D
Lab Smp Id: 2.5NG-IC
Inj Date : 19-OCT-2004 18:07
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 2.5NG-IC
Misc Info : T41019-IC,8260MIUX12,2-8260.SUB,1903,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
Meth Date : 19-Oct-2004 20:47 laveyt Quant Type: ISTD
Cal Date : 28-SEP-2004 23:58 Cal File: UX129645.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV03

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	6.315	6.315	(1.000)	781274	50.0000	
* 2 Chlorobenzene-d5	117	8.859	8.859	(1.000)	635094	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.338	10.338	(1.000)	279246	50.0000	
$ 4 Dibromofluoromethane	113	5.522	5.511	(0.874)	7810	2.50000	2.216
$ 5 1,2-Dichloroethane-d4	65	6.055	6.043	(0.959)	13512	2.50000	2.520
$ 6 Toluene-d8	98	7.711	7.712	(0.870)	25981	2.50000	2.069
$ 7 Bromofluorobenzene	95	9.652	9.652	(1.089)	9115	2.50000	1.794
8 Dichlorodifluoromethane	85	1.665	1.665	(0.264)	8833	2.50000	1.710
9 Chloromethane	50	1.830	1.854	(0.290)	24212	2.50000	2.984
10 Vinyl Chloride	62	1.925	1.914	(0.305)	15073	2.50000	2.312(M)
11 Bromomethane	94	2.233	2.209	(0.354)	7991	2.50000	1.651
12 Chloroethane	64	2.327	2.316	(0.369)	9642	2.50000	1.799
13 Trichlorofluoromethane	101	2.410	2.411	(0.382)	13024	2.50000	1.803
15 Acrolein	56	3.227	3.215	(0.511)	21937	25.0000	25.276
16 Acetone	43	3.546	3.535	(0.562)	25420	5.00000	9.078
17 1,1-Dichloroethene	61	2.895	2.884	(0.459)	18717	2.50000	2.630
18 Freon-113	101	2.907	2.919	(0.460)	4709	2.50000	1.438

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120215.D
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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	3.049	3.050	(0.483)	7126	2.50000	1.149
	20 Carbon Disulfide	76	2.931	2.931	(0.464)	47567	2.50000	2.570
	21 Methylene Chloride	84	3.475	3.487	(0.550)	8359	2.50000	1.566(H)
	22 Acetonitrile	41	4.114	4.115	(0.652)	29583	25.0000	32.702
	23 Acrylonitrile	53	4.505	4.493	(0.713)	42558	25.0000	23.936
	24 Methyl tert-butyl ether	73	3.795	3.783	(0.601)	26498	2.50000	2.292
	25 trans-1,2-Dichloroethene	96	3.664	3.665	(0.580)	10347	2.50000	2.243
	26 Hexane	57	3.747	3.736	(0.593)	18588	2.50000	2.473
	27 Vinyl acetate	43	4.729	4.718	(0.749)	19927	2.50000	2.522
	28 1,1-Dichloroethane	63	4.410	4.410	(0.698)	17602	2.50000	2.450
	29 tert-Butyl Alcohol	59	3.913	3.913	(0.620)	22081	50.0000	49.103
	30 2-Butanone	43	5.652	5.653	(0.895)	13494	5.00000	4.586
M	31 1,2-Dichloroethene (total)	96				18286	5.00000	4.311
	32 cis-1,2-dichloroethene	96	5.025	5.026	(0.796)	7939	2.50000	2.069
	33 2,2-Dichloropropane	77	5.144	5.144	(0.815)	9085	2.50000	2.410
	34 Bromochloromethane	128	5.250	5.251	(0.831)	2982	2.50000	1.601
	35 Chloroform	83	5.309	5.322	(0.841)	17669	2.50000	2.431
	36 Tetrahydrofuran	42	5.499	5.487	(0.871)	12967	2.50000	6.254
	37 1,1,1-Trichloroethane	97	5.534	5.535	(0.876)	12772	2.50000	2.258
	38 1,1-Dichloropropene	75	5.652	5.653	(0.895)	11248	2.50000	2.210
	39 Carbon Tetrachloride	117	5.475	5.464	(0.867)	15228	2.50000	2.687
	40 1,2-Dichloroethane	62	6.114	6.114	(0.968)	16397	2.50000	2.636
	41 Benzene	78	5.913	5.913	(0.936)	39483	2.50000	2.404
	42 Trichloroethene	130	6.469	6.469	(1.024)	9218	2.50000	2.233
	43 1,2-Dichloropropane	63	6.954	6.954	(1.101)	9597	2.50000	2.457
	44 1,4-Dioxane	88	7.202	7.191	(1.141)	3843	125.000	90.191
	45 Dibromomethane	93	6.859	6.860	(1.086)	5170	2.50000	2.215
	46 Bromodichloromethane	83	7.001	7.002	(1.109)	11037	2.50000	2.189
	47 2-Chloroethyl vinyl ether	63	7.510	7.511	(1.189)	4077	5.00000	3.563
	48 cis-1,3-Dichloropropene	75	7.557	7.558	(1.197)	12070	2.50000	1.964
	49 4-Methyl-2-pentanone	43	8.054	8.055	(1.275)	18515	5.00000	4.176
	50 Toluene	91	7.759	7.759	(0.876)	33873	2.50000	2.151
	51 trans-1,3-Dichloropropene	75	8.078	8.079	(0.912)	11093	2.50000	2.030
	52 Ethyl Methacrylate	69	8.196	8.196	(0.925)	6046	2.50000	1.378
	53 1,1,2-Trichloroethane	97	8.196	8.209	(0.925)	8661	2.50000	2.495
	54 1,3-Dichloropropane	76	8.409	8.410	(0.949)	14893	2.50000	2.298
	55 Tetrachloroethene	164	8.054	8.055	(0.909)	6582	2.50000	2.323
	56 2-Hexanone	43	8.658	8.657	(0.977)	14228	5.00000	4.179
	57 Dibromochloromethane	129	8.338	8.339	(0.941)	7531	2.50000	2.276
	58 1,2-Dibromoethane	107	8.516	8.516	(0.961)	7523	2.50000	2.232
	59 Chlorobenzene	112	8.871	8.871	(1.001)	25423	2.50000	2.306
	60 1,1,1,2-Tetrachloroethane	131	8.918	8.919	(1.007)	7599	2.50000	2.010
	61 Ethylbenzene	106	8.883	8.883	(1.003)	10516	2.50000	2.005
	62 m + p-Xylene	106	8.977	8.978	(1.013)	26429	5.00000	4.018
M	63 Xylenes (total)	106				37697	7.50000	5.905
	64 Xylene-o	106	9.273	9.274	(1.047)	11268	2.50000	1.887
	65 Styrene	104	9.297	9.297	(1.049)	16777	2.50000	1.640

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120215.D
Report Date: 19-Oct-2004 21:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	9.332	9.333	(1.053)	4269	2.50000	1.906
67 Isopropylbenzene	105	9.463	9.463	(1.068)	23954	2.50000	1.839
68 1,1,2,2-Tetrachloroethane	83	9.770	9.771	(0.945)	12231	2.50000	2.865
69 1,4-Dichloro-2-butene	53	9.877	9.877	(0.955)	1838	2.50000	1.458
70 1,2,3-Trichloropropane	110	9.865	9.865	(0.954)	4744	2.50000	2.945
71 Bromobenzene	156	9.723	9.723	(0.940)	10623	2.50000	2.591
72 n-Propylbenzene	120	9.723	9.723	(0.940)	4673	2.50000	1.595
73 2-Chlorotoluene	126	9.829	9.830	(0.951)	5832	2.50000	1.845
74 1,3,5-Trimethylbenzene	105	9.841	9.842	(0.952)	17301	2.50000	1.827
75 4-Chlorotoluene	126	9.936	9.936	(0.961)	5684	2.50000	1.728
76 tert-Butylbenzene	119	10.042	10.043	(0.971)	14465	2.50000	1.940
77 1,2,4-Trimethylbenzene	105	10.078	10.078	(0.975)	15978	2.50000	1.651
78 sec-Butylbenzene	105	10.149	10.149	(0.982)	19861	2.50000	1.981
79 4-Isopropyltoluene	119	10.232	10.220	(0.990)	13939	2.50000	1.774
80 1,3-Dichlorobenzene	146	10.291	10.291	(0.995)	17926	2.50000	2.676
81 1,4-Dichlorobenzene	146	10.350	10.339	(1.001)	17129	2.50000	2.304
82 n-Butylbenzene	91	10.480	10.481	(1.014)	14781	2.50000	2.144
83 1,2-Dichlorobenzene	146	10.599	10.599	(1.025)	16558	2.50000	2.496
84 1,2-Dibromo-3-chloropropane	157	11.060	11.072	(1.070)	1340	2.50000	2.183
85 1,2,4-Trichlorobenzene	180	11.451	11.451	(1.108)	4424	2.50000	1.833
86 Hexachlorobutadiene	225	11.415	11.415	(1.104)	3963	2.50000	3.146
87 Naphthalene	128	11.652	11.640	(1.127)	11705	2.50000	1.698
88 1,2,3-Trichlorobenzene	180	11.758	11.759	(1.137)	4132	2.50000	1.889
98 Cyclohexane	56	5.226	5.239	(0.828)	9948	2.50000	1.939
143 Methyl Acetate	43	3.676	3.677	(0.582)	48656	5.00000	6.088
144 Methylcyclohexane	83	6.445	6.446	(1.021)	10040	2.50000	2.586
141 1,3,5-Trichlorobenzene	180	11.084	11.072	(1.072)	7735	2.50000	2.437

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

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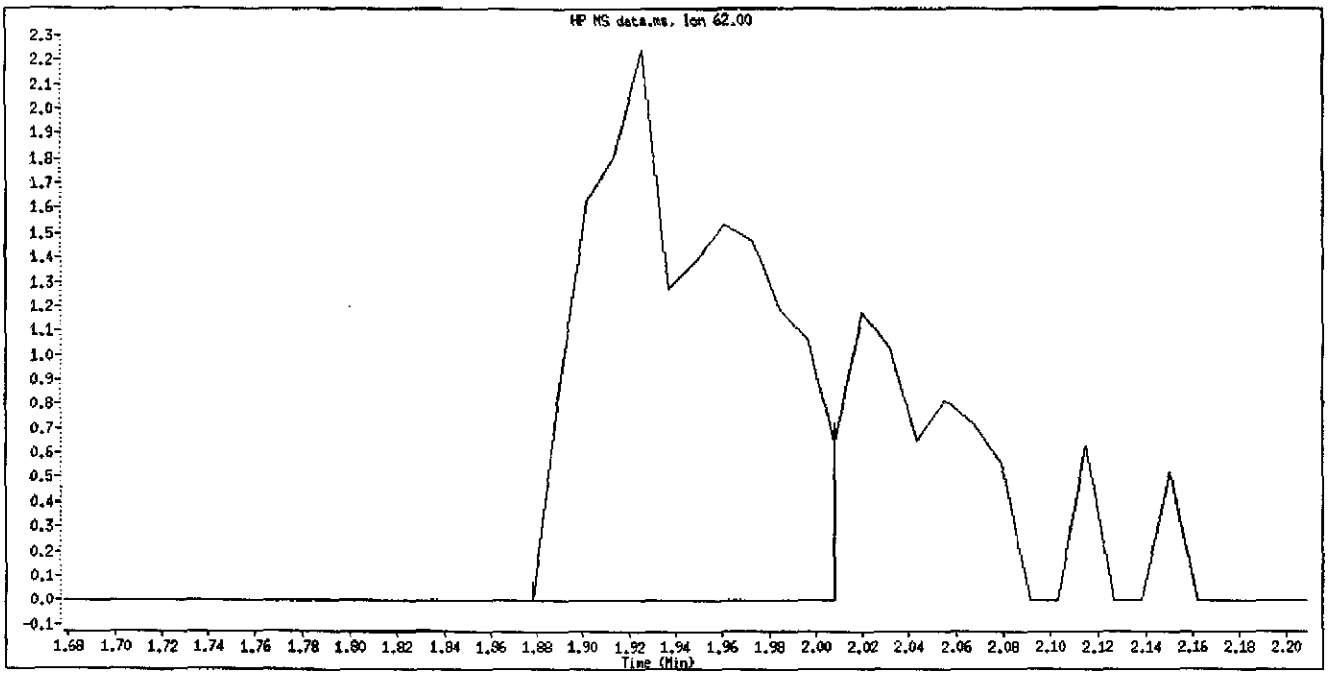
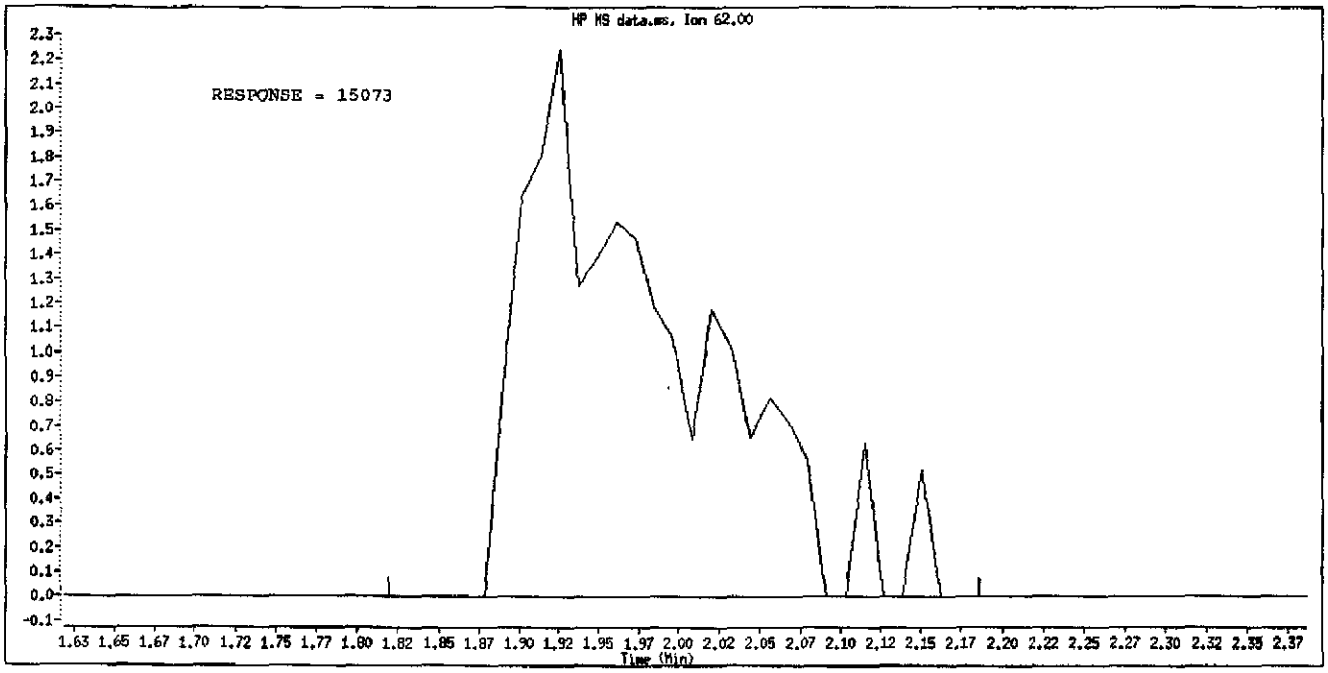
Client ID:
Compound Name: Vinyl Chloride
CAS #: 75-01-4
Report Date: 10/19/2004

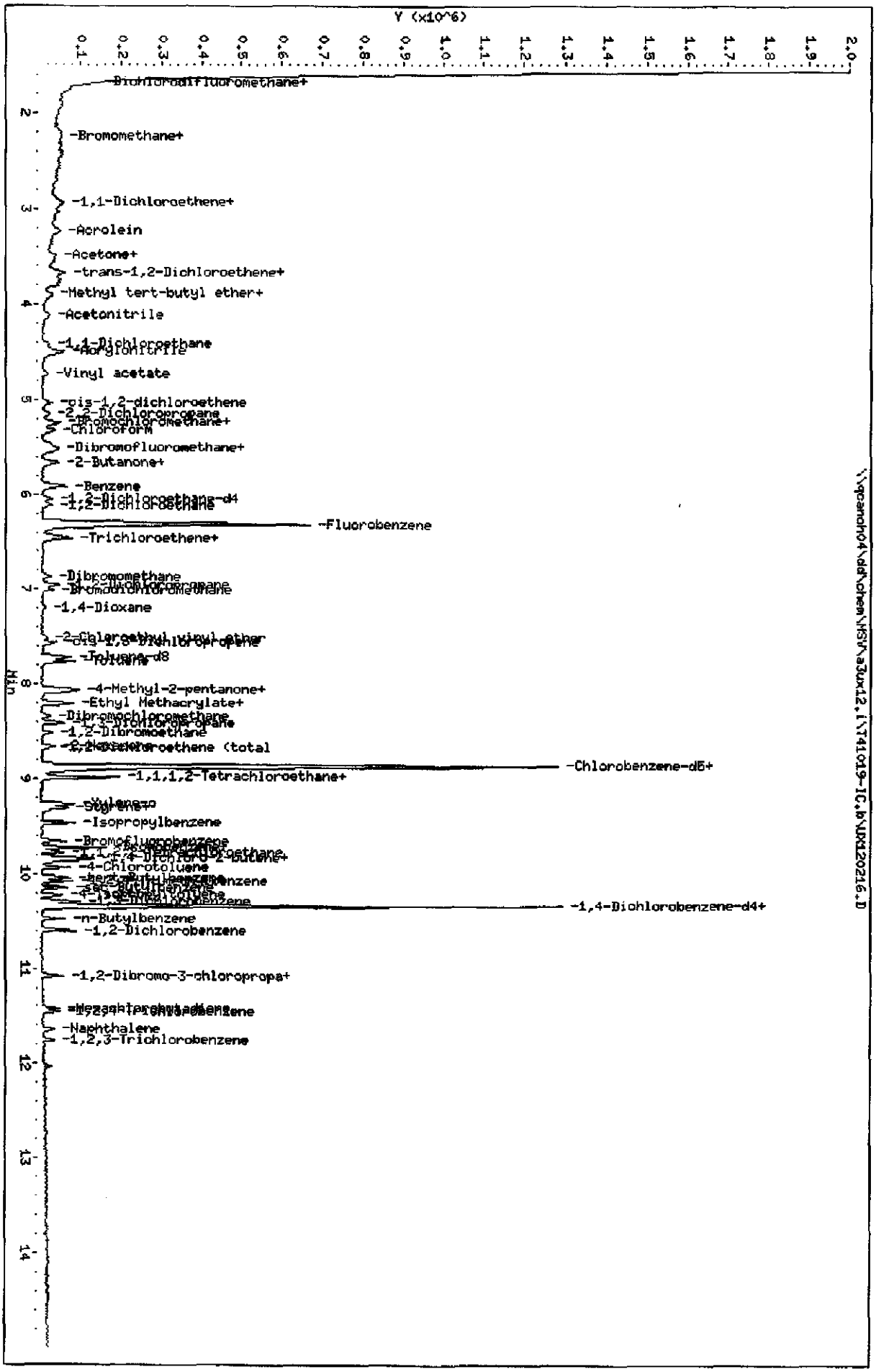


Original Integration



Manual Integration

Manually Integrated By: LaveyT
Manual Integration Reason: Poor Chromatography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Purge Volume: 5.0
Column phase: RTx-VMS
Instrument: a3ud2.i
Operator: 1903
Column diameter: 0.18
\\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120216.D
Y (x10^6)
Dichlorodifluoromethane+
Bromomethane+
1,1-Dichloroethene+
Acrolein
Acetone+
trans-1,2-Dichloroethene+
Methyl tert-butyl ether+
Acetonitrile
1,1-Dichloroethane
Acrylonitrile
Vinyl acetate
cis-1,2-dichloroethene
2,2-Dichloropropane
Bromochloromethane+
Chloroform
Dibromofluoromethane+
2-Butanone+
Benzene
1,2-Dichloroethane-d4
1,2-Dichloroethane
Fluorobenzene
Trichloroethene+
Dibromomethane
1,2-Dichloropropane
Bromodichloromethane
1,4-Dioxane
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
Toluene-d8
Toluene
4-Methyl-2-pentanone+
Ethyl Methacrylate+
Dibromochloromethane
trans-1,3-Dichloropropene
1,2-Dibromoethane
2-Hexanone
1,1-Dichloroethene (total
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
Xylene-o
Styrene+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane
1,4-Dichloro-2-butene+
4-Chlorotoluene
tert-Butylbenzene
1,3-Dichlorobenzene
sec-Butylbenzene
4-Isopropyltoluene
1,2-Dichlorobenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene
1,2-Dichlorobenzene
1,2-Dibromo-3-chloropropa+
Hexachlorobutadiene
1,2,4-Trichlorobenzene
Naphthalene
1,2,3-Trichlorobenzene
Min
2
3
4
5
6
7
8
9
10
11
12
13
14

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120216.D
Report Date: 19-Oct-2004 21:51

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120216.D
Lab Smp Id: 5NG-IC
Inj Date : 19-OCT-2004 18:32
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 5NG-IC
Misc Info : T41019-IC,8260MIUX12,2-8260.SUB,1903,1,2
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
Meth Date : 19-Oct-2004 20:47 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 00:22 Cal File: UX129646.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: QCANOH04

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	6.315	6.315	(1.000)	766479	50.0000	
* 2 Chlorobenzene-d5	117	8.859	8.859	(1.000)	621117	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.338	10.338	(1.000)	291235	50.0000	
$ 4 Dibromofluoromethane	113	5.522	5.511	(0.874)	15717	5.00000	4.545
$ 5 1,2-Dichloroethane-d4	65	6.055	6.043	(0.959)	24439	5.00000	4.645
$ 6 Toluene-d8	98	7.711	7.712	(0.870)	52075	5.00000	4.240
$ 7 Bromofluorobenzene	95	9.652	9.652	(1.089)	21443	5.00000	4.315
8 Dichlorodifluoromethane	85	1.677	1.665	(0.266)	20803	5.00000	4.106
9 Chloromethane	50	1.866	1.854	(0.296)	42094	5.00000	5.288
10 Vinyl Chloride	62	1.925	1.914	(0.305)	28327	5.00000	4.312(M)
11 Bromomethane	94	2.233	2.209	(0.354)	20957	5.00000	4.413
12 Chloroethane	64	2.339	2.316	(0.370)	22028	5.00000	3.937(M)
13 Trichlorofluoromethane	101	2.422	2.411	(0.384)	21806	5.00000	3.076
15 Acrolein	56	3.227	3.215	(0.511)	38469	50.0000	45.179
16 Acetone	43	3.546	3.535	(0.562)	28042	10.0000	10.207
17 1,1-Dichloroethene	61	2.895	2.884	(0.459)	35125	5.00000	5.031
18 Freon-113	101	2.943	2.919	(0.466)	12018	5.00000	3.742(H)

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120216.D
Report Date: 19-Oct-2004 21:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	3.061	3.050	(0.485)	19178	5.00000	3.151
	20 Carbon Disulfide	76	2.931	2.931	(0.464)	75603	5.00000	4.163
	21 Methylene Chloride	84	3.475	3.487	(0.550)	21730	5.00000	4.149
	22 Acetonitrile	41	4.114	4.115	(0.652)	43199	50.0000	48.676
	23 Acrylonitrile	53	4.493	4.493	(0.711)	81711	50.0000	46.843
	24 Methyl tert-butyl ether	73	3.795	3.783	(0.601)	45069	5.00000	3.973
	25 trans-1,2-Dichloroethene	96	3.665	3.665	(0.580)	19788	5.00000	4.372
	26 Hexane	57	3.747	3.736	(0.593)	33665	5.00000	4.566
	27 Vinyl acetate	43	4.730	4.718	(0.749)	33418	5.00000	4.312
	28 1,1-Dichloroethane	63	4.410	4.410	(0.698)	30904	5.00000	4.384
	29 tert-Butyl Alcohol	59	3.901	3.913	(0.618)	44310	100.000	100.44
	30 2-Butanone	43	5.653	5.653	(0.895)	27358	10.0000	9.478
M	31 1,2-Dichloroethene (total)	96				36555	10.0000	8.825
	32 cis-1,2-dichloroethene	96	5.037	5.026	(0.798)	16767	5.00000	4.453
	33 2,2-Dichloropropane	77	5.144	5.144	(0.815)	19431	5.00000	5.254
	34 Bromochloromethane	128	5.250	5.251	(0.831)	9041	5.00000	4.947
	35 Chloroform	83	5.321	5.322	(0.843)	31835	5.00000	4.464
	36 Tetrahydrofuran	42	5.487	5.487	(0.869)	16654	5.00000	8.187
	37 1,1,1-Trichloroethane	97	5.534	5.535	(0.876)	24280	5.00000	4.376
	38 1,1-Dichloropropene	75	5.664	5.653	(0.897)	20567	5.00000	4.120
	39 Carbon Tetrachloride	117	5.451	5.464	(0.863)	26414	5.00000	4.750
	40 1,2-Dichloroethane	62	6.114	6.114	(0.968)	30417	5.00000	4.985
	41 Benzene	78	5.913	5.913	(0.936)	73466	5.00000	4.560
	42 Trichloroethene	130	6.469	6.469	(1.024)	17888	5.00000	4.417
	43 1,2-Dichloropropane	63	6.942	6.954	(1.099)	17829	5.00000	4.652
	44 1,4-Dioxane	88	7.191	7.191	(1.139)	7411	250.000	177.28
	45 Dibromomethane	93	6.860	6.860	(1.086)	10710	5.00000	4.676
	46 Bromodichloromethane	83	7.001	7.002	(1.109)	22619	5.00000	4.572
	47 2-Chloroethyl vinyl ether	63	7.510	7.511	(1.189)	6350	10.0000	5.656
	48 cis-1,3-Dichloropropene	75	7.558	7.558	(1.197)	23977	5.00000	3.976
	49 4-Methyl-2-pentanone	43	8.055	8.055	(1.275)	30670	10.0000	7.051
	50 Toluene	91	7.759	7.759	(0.876)	65322	5.00000	4.242
	51 trans-1,3-Dichloropropene	75	8.078	8.079	(0.912)	22959	5.00000	4.295
	52 Ethyl Methacrylate	69	8.197	8.196	(0.925)	13304	5.00000	3.099
	53 1,1,2-Trichloroethane	97	8.197	8.209	(0.925)	15565	5.00000	4.584
	54 1,3-Dichloropropane	76	8.410	8.410	(0.949)	31676	5.00000	4.998
	55 Tetrachloroethene	164	8.055	8.055	(0.909)	13689	5.00000	4.940
	56 2-Hexanone	43	8.658	8.657	(0.977)	25299	10.0000	7.598
	57 Dibromochloromethane	129	8.339	8.339	(0.941)	13464	5.00000	4.161
	58 1,2-Dibromoethane	107	8.516	8.516	(0.961)	16664	5.00000	5.056
	59 Chlorobenzene	112	8.871	8.871	(1.001)	49071	5.00000	4.552
	60 1,1,1,2-Tetrachloroethane	131	8.918	8.919	(1.007)	18148	5.00000	4.908
	61 Ethylbenzene	106	8.883	8.883	(1.003)	22576	5.00000	4.401
	62 m + p-Xylene	106	8.978	8.978	(1.013)	48287	10.0000	7.506
M	63 Xylenes (total)	106				70088	15.0000	11.239
	64 Xylene-o	106	9.273	9.274	(1.047)	21801	5.00000	3.734
	65 Styrene	104	9.297	9.297	(1.049)	29967	5.00000	2.996

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120216.D
Report Date: 19-Oct-2004 21:51

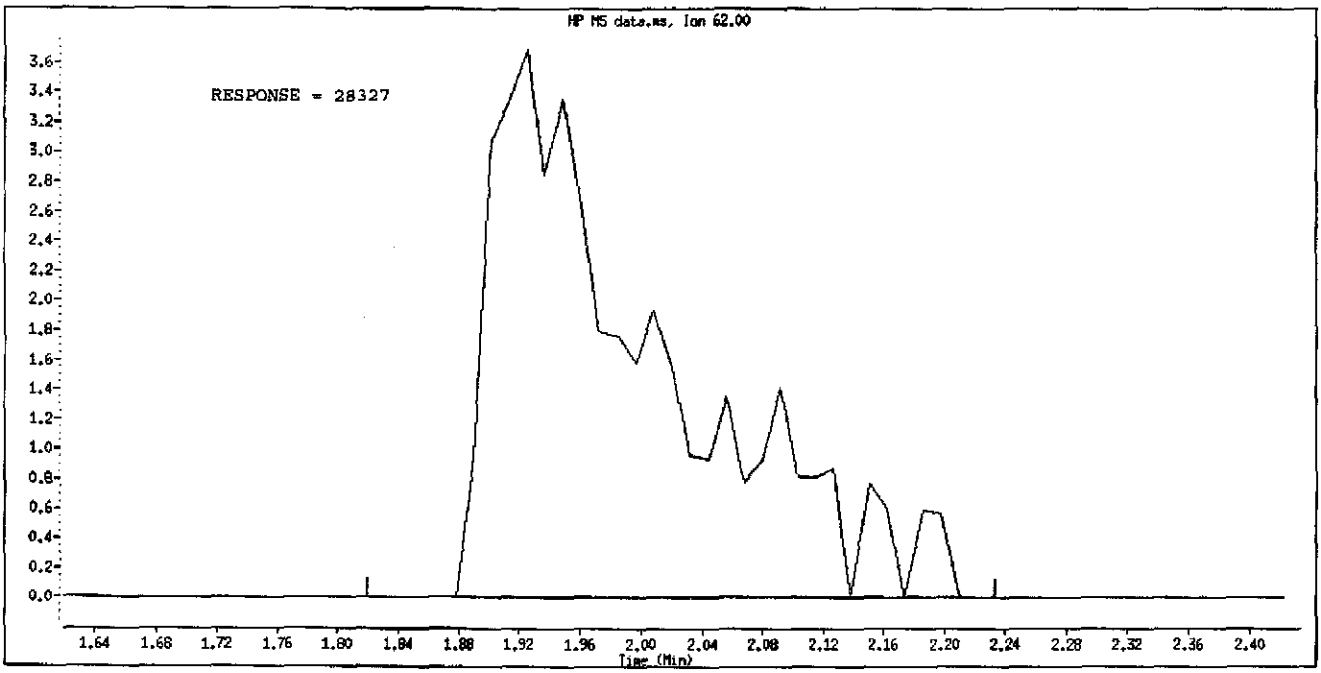
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	9.333	9.333	(1.053)	8861	5.00000	4.045
67 Isopropylbenzene	105	9.463	9.463	(1.068)	46470	5.00000	3.648
68 1,1,2,2-Tetrachloroethane	83	9.770	9.771	(0.945)	20725	5.00000	4.655
69 1,4-Dichloro-2-butene	53	9.877	9.877	(0.955)	4948	5.00000	3.762
70 1,2,3-Trichloropropane	110	9.865	9.865	(0.954)	7558	5.00000	4.499
71 Bromobenzene	156	9.723	9.723	(0.940)	18184	5.00000	4.252
72 n-Propylbenzene	120	9.723	9.723	(0.940)	10368	5.00000	3.393
73 2-Chlorotoluene	126	9.830	9.830	(0.951)	13460	5.00000	4.082
74 1,3,5-Trimethylbenzene	105	9.841	9.842	(0.952)	35503	5.00000	3.596
75 4-Chlorotoluene	126	9.936	9.936	(0.961)	15812	5.00000	4.610
76 tert-Butylbenzene	119	10.043	10.043	(0.971)	30556	5.00000	3.930
77 1,2,4-Trimethylbenzene	105	10.078	10.078	(0.975)	38033	5.00000	3.768
78 sec-Butylbenzene	105	10.149	10.149	(0.982)	37319	5.00000	3.569
79 4-Isopropyltoluene	119	10.220	10.220	(0.989)	29421	5.00000	3.590
80 1,3-Dichlorobenzene	146	10.291	10.291	(0.995)	30926	5.00000	4.427
81 1,4-Dichlorobenzene	146	10.350	10.339	(1.001)	39282	5.00000	5.066
82 n-Butylbenzene	91	10.480	10.481	(1.014)	27278	5.00000	3.794
83 1,2-Dichlorobenzene	146	10.599	10.599	(1.025)	30934	5.00000	4.472
84 1,2-Dibromo-3-chloropropane	157	11.060	11.072	(1.070)	2132	5.00000	3.330
85 1,2,4-Trichlorobenzene	180	11.451	11.451	(1.108)	9360	5.00000	3.718
86 Hexachlorobutadiene	225	11.415	11.415	(1.104)	7035	5.00000	5.356
87 Naphthalene	128	11.640	11.640	(1.126)	22823	5.00000	3.175
88 1,2,3-Trichlorobenzene	180	11.758	11.759	(1.137)	9456	5.00000	4.146
98 Cyclohexane	56	5.227	5.239	(0.828)	20777	5.00000	4.129
143 Methyl Acetate	43	3.676	3.677	(0.582)	81147	10.0000	10.350
144 Methylcyclohexane	83	6.445	6.446	(1.021)	18701	5.00000	4.909
141 1,3,5-Trichlorobenzene	180	11.084	11.072	(1.072)	16267	5.00000	4.914

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: UX120216.D
Inj. Date and Time: 19-OCT-2004 18:32
Instrument ID: a3ux12.i
Client ID:
Compound Name: Vinyl Chloride
CAS #: 75-01-4
Report Date: 10/19/2004

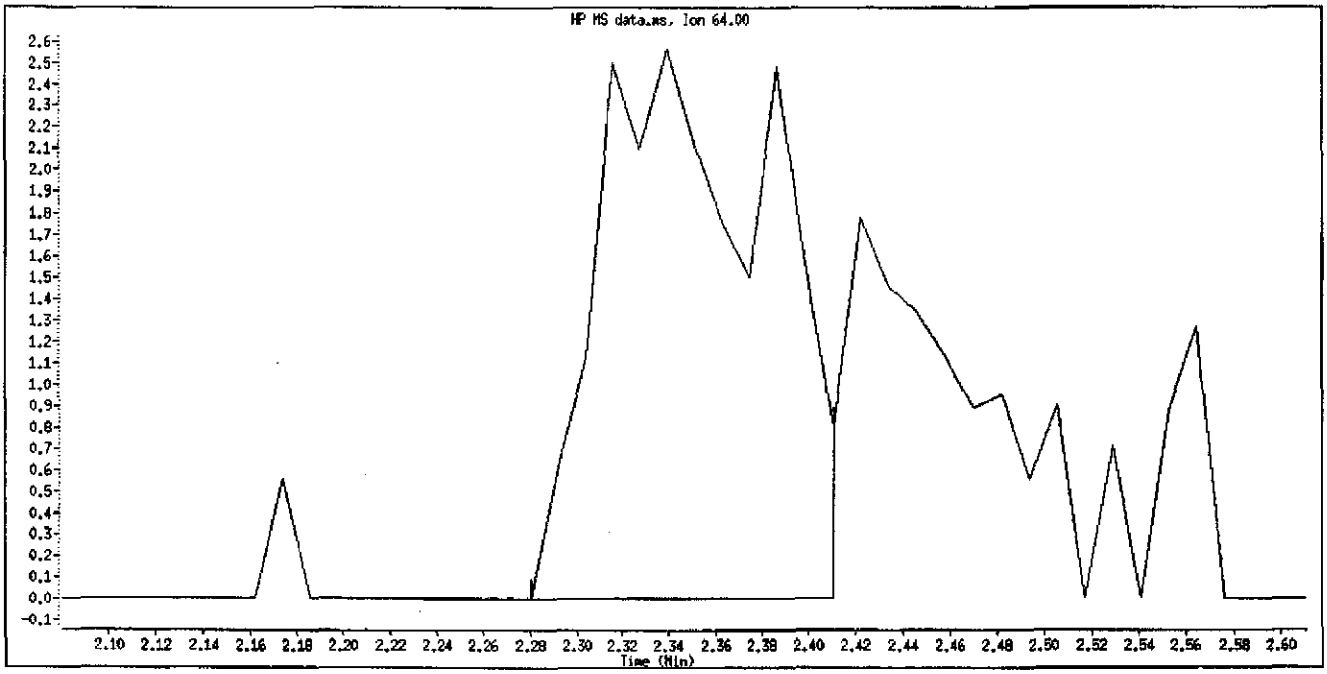
Original Integration



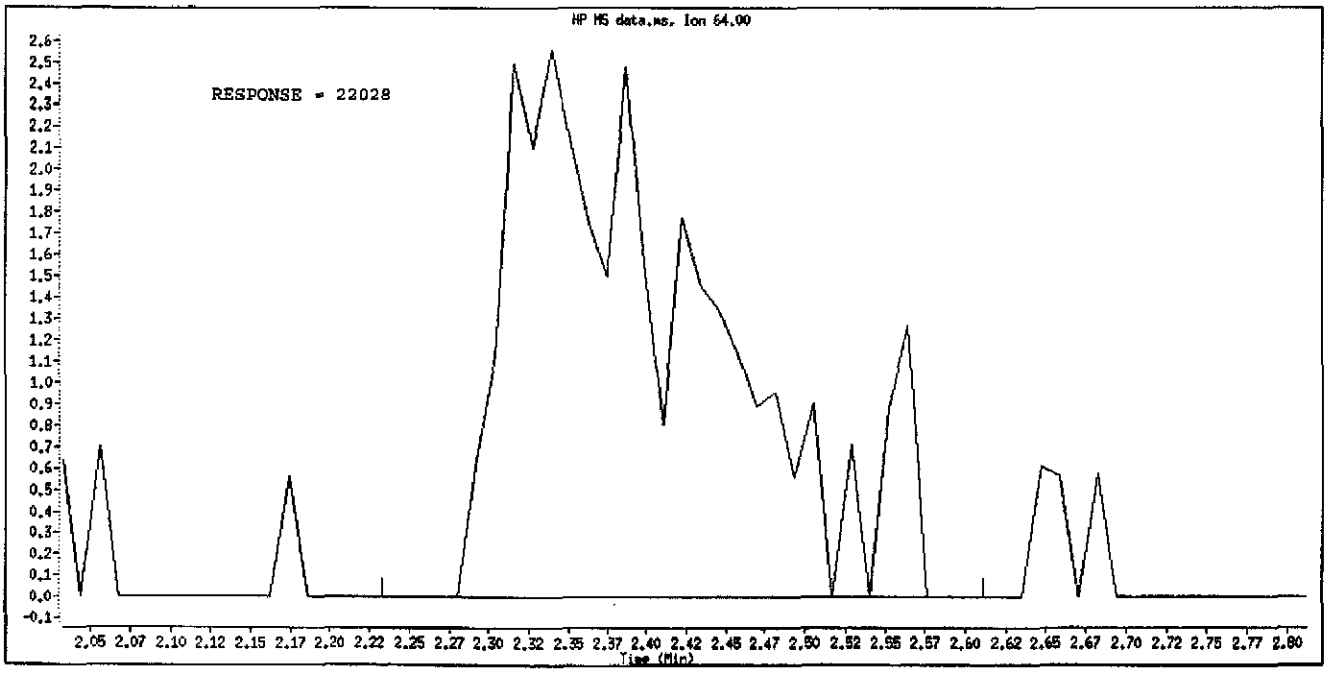
Manual Integration

Manually Integrated By: LaveyT
Manual Integration Reason: Poor Chromatography

Data File Name: UX120216.D
Inj. Date and Time: 19-OCT-2004 18:32
Instrument ID: a3ux12.i
Client ID:
Compound Name: Chloroethane
CAS #: 75-00-3
Report Date: 10/19/2004



Original Integration

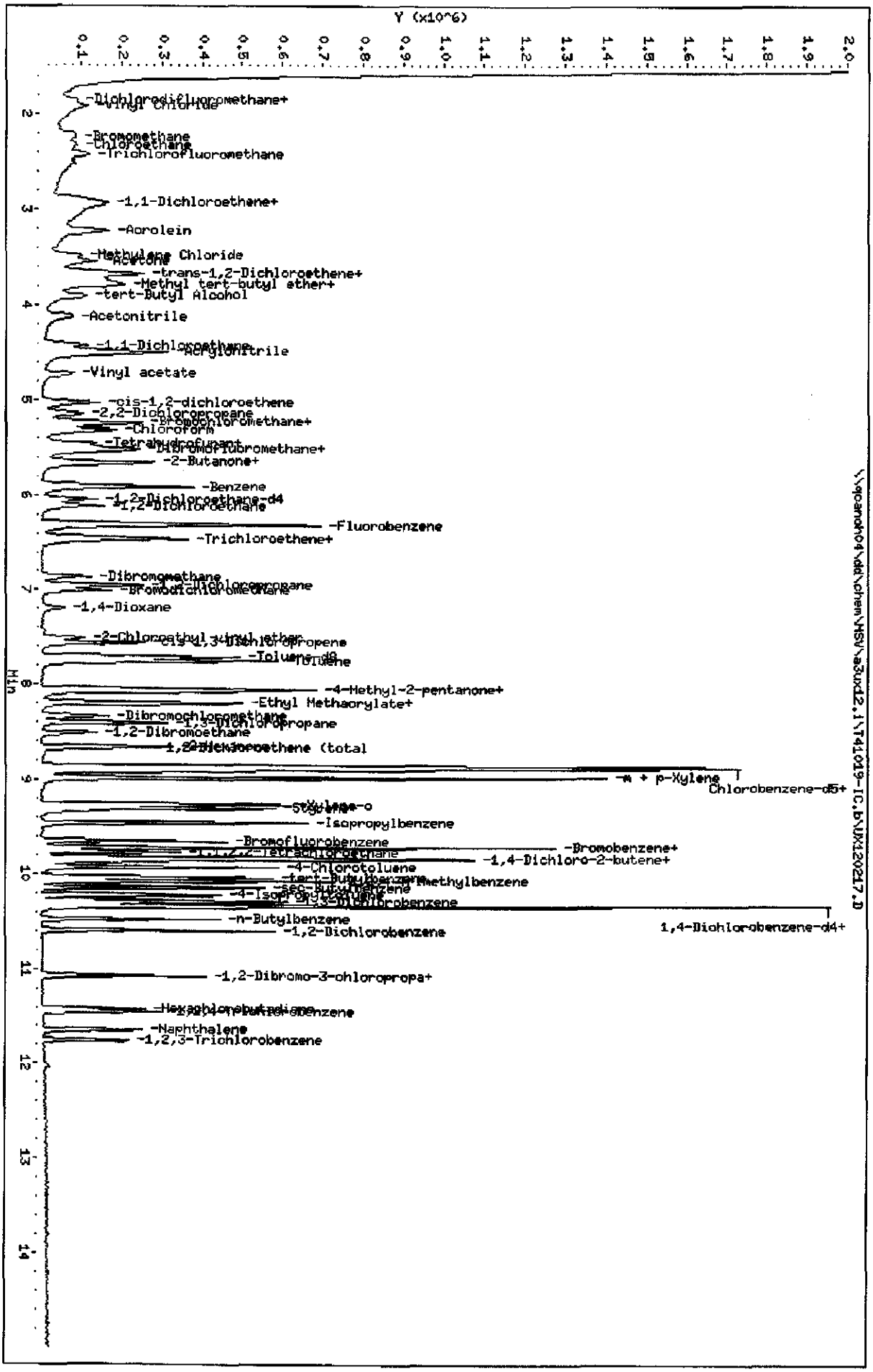


Manual Integration

Manually Integrated By: LaveyT
Manual Integration Reason: Poor Chromatography

Data File: \\qcanoh04\dd\chem\HSV\a3ux12.i\T41019-IC.b\UX120217.D
Date : 19-OCT-2004 18:58
Client ID:
Sample Info: 25NC-IC
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120217.D
Report Date: 19-Oct-2004 21:52

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120217.D
Lab Smp Id: 25NG-IC
Inj Date : 19-OCT-2004 18:58
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 25NG-IC
Misc Info : T41019-IC,8260MIUX12,2-8260.SUB,1903,1,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
Meth Date : 19-Oct-2004 20:47 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 00:47 Cal File: UX129647.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: QCANOH04

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	6.315	6.315	(1.000)	774482	50.0000	
* 2 Chlorobenzene-d5	117	8.859	8.859	(1.000)	637562	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.338	10.338	(1.000)	330891	50.0000	
$ 4 Dibromofluoromethane	113	5.522	5.511	(0.874)	88840	25.0000	25.298
$ 5 1,2-Dichloroethane-d4	65	6.043	6.043	(0.957)	136241	25.0000	25.326
$ 6 Toluene-d8	98	7.711	7.712	(0.870)	340478	25.0000	27.020
$ 7 Bromofluorobenzene	95	9.652	9.652	(1.089)	139004	25.0000	27.687
8 Dichlorodifluoromethane	85	1.665	1.665	(0.264)	110107	25.0000	22.008
9 Chloromethane	50	1.854	1.854	(0.294)	214888	25.0000	26.619
10 Vinyl Chloride	62	1.913	1.914	(0.303)	162901	25.0000	25.902
11 Bromomethane	94	2.221	2.209	(0.352)	102738	25.0000	20.134
12 Chloroethane	64	2.339	2.316	(0.370)	133043	25.0000	23.494
13 Trichlorofluoromethane	101	2.422	2.411	(0.384)	163140	25.0000	22.281
15 Acrolein	56	3.227	3.215	(0.511)	216530	250.000	249.31
16 Acetone	43	3.546	3.535	(0.562)	178681	50.0000	64.789
17 1,1-Dichloroethene	61	2.895	2.884	(0.459)	207783	25.0000	31.999
18 Freon-113	101	2.943	2.919	(0.466)	78644	25.0000	26.341

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120217.D
Report Date: 19-Oct-2004 21:52

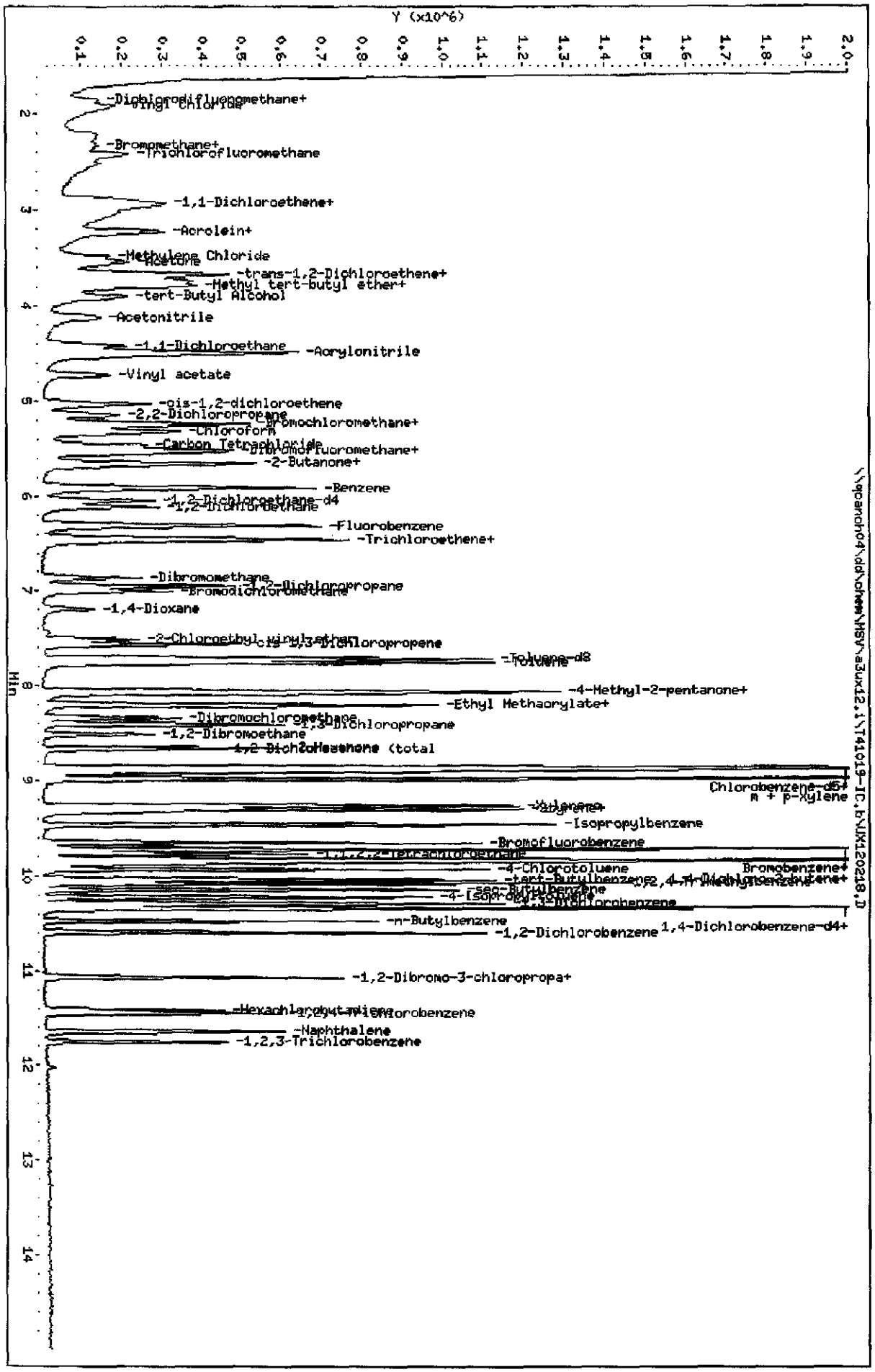
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	3.049	3.050	(0.483)	141267	25.0000	21.620
	20 Carbon Disulfide	76	2.931	2.931	(0.464)	433783	25.0000	22.691
	21 Methylene Chloride	84	3.487	3.487	(0.552)	135344	25.0000	24.368
	22 Acetonitrile	41	4.126	4.115	(0.653)	220005	250.000	247.86
	23 Acrylonitrile	53	4.493	4.493	(0.711)	466391	250.000	266.35
	24 Methyl tert-butyl ether	73	3.783	3.783	(0.599)	288432	25.0000	24.676
	25 trans-1,2-Dichloroethene	96	3.664	3.665	(0.580)	113098	25.0000	23.804
	26 Hexane	57	3.759	3.736	(0.595)	150610	25.0000	20.667
	27 Vinyl acetate	43	4.718	4.718	(0.747)	200816	25.0000	26.073
	28 1,1-Dichloroethane	63	4.422	4.410	(0.700)	196089	25.0000	27.425
	29 tert-Butyl Alcohol	59	3.901	3.913	(0.618)	224950	500.000	504.25
	30 2-Butanone	43	5.652	5.653	(0.895)	189511	50.0000	67.060
M	31 1,2-Dichloroethene (total)	96				211935	50.0000	49.473
	32 cis-1,2-dichloroethene	96	5.037	5.026	(0.798)	98836	25.0000	25.668
	33 2,2-Dichloropropane	77	5.144	5.144	(0.815)	94832	25.0000	25.577
	34 Bromochloromethane	128	5.250	5.251	(0.831)	49774	25.0000	26.275
	35 Chloroform	83	5.321	5.322	(0.843)	190997	25.0000	26.299
	36 Tetrahydrofuran	42	5.487	5.487	(0.869)	51213	25.0000	26.075
	37 1,1,1-Trichloroethane	97	5.534	5.535	(0.876)	146964	25.0000	26.083
	38 1,1-Dichloropropene	75	5.652	5.653	(0.895)	128561	25.0000	25.634
	39 Carbon Tetrachloride	117	5.463	5.464	(0.865)	134828	25.0000	23.620
	40 1,2-Dichloroethane	62	6.114	6.114	(0.968)	160709	25.0000	25.819
	41 Benzene	78	5.913	5.913	(0.936)	424836	25.0000	25.992
	42 Trichloroethene	130	6.469	6.469	(1.024)	108659	25.0000	26.223
	43 1,2-Dichloropropane	63	6.954	6.954	(1.101)	101547	25.0000	26.155
	44 1,4-Dioxane	88	7.191	7.191	(1.139)	50200	1250.00	1200.7(A)
	45 Dibromomethane	93	6.859	6.860	(1.086)	59959	25.0000	25.710
	46 Bromodichloromethane	83	7.001	7.002	(1.109)	131213	25.0000	25.870
	47 2-Chloroethyl vinyl ether	63	7.510	7.511	(1.189)	50138	50.0000	42.162
	48 cis-1,3-Dichloropropene	75	7.557	7.558	(1.197)	154731	25.0000	25.332
	49 4-Methyl-2-pentanone	43	8.054	8.055	(1.275)	263553	50.0000	60.663
	50 Toluene	91	7.759	7.759	(0.876)	445967	25.0000	28.068
	51 trans-1,3-Dichloropropene	75	8.078	8.079	(0.912)	150206	25.0000	27.328
	52 Ethyl Methacrylate	69	8.196	8.196	(0.925)	112781	25.0000	25.846
	53 1,1,2-Trichloroethane	97	8.208	8.209	(0.927)	95218	25.0000	27.162
	54 1,3-Dichloropropane	76	8.409	8.410	(0.949)	177254	25.0000	27.071
	55 Tetrachloroethene	164	8.054	8.055	(0.909)	78025	25.0000	27.305
	56 2-Hexanone	43	8.658	8.657	(0.977)	241321	50.0000	73.244
	57 Dibromochloromethane	129	8.338	8.339	(0.941)	84654	25.0000	25.246
	58 1,2-Dibromoethane	107	8.516	8.516	(0.961)	91354	25.0000	26.671
	59 Chlorobenzene	112	8.871	8.871	(1.001)	309145	25.0000	27.636
	60 1,1,1,2-Tetrachloroethane	131	8.918	8.919	(1.007)	100460	25.0000	26.075
	61 Ethylbenzene	106	8.883	8.883	(1.003)	139976	25.0000	26.262
	62 m + p-Xylene	106	8.977	8.978	(1.013)	366350	50.0000	54.980
M	63 Xylenes (total)	106				525243	75.0000	81.101
	64 Xylene-o	106	9.273	9.274	(1.047)	158893	25.0000	26.121
	65 Styrene	104	9.297	9.297	(1.049)	280835	25.0000	26.974

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120217.D
Report Date: 19-Oct-2004 21:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	9.332	9.333	(1.053)	53649	25.0000	23.322
67 Isopropylbenzene	105	9.463	9.463	(1.068)	357310	25.0000	27.205
68 1,1,2,2-Tetrachloroethane	83	9.770	9.771	(0.945)	129210	25.0000	25.491
69 1,4-Dichloro-2-butene	53	9.877	9.877	(0.955)	40902	25.0000	28.309
70 1,2,3-Trichloropropane	110	9.865	9.865	(0.954)	51049	25.0000	26.704
71 Bromobenzene	156	9.723	9.723	(0.940)	130851	25.0000	26.590
72 n-Propylbenzene	120	9.723	9.723	(0.940)	103794	25.0000	29.756
73 2-Chlorotoluene	126	9.829	9.830	(0.951)	104969	25.0000	27.842
74 1,3,5-Trimethylbenzene	105	9.841	9.842	(0.952)	311092	25.0000	27.807
75 4-Chlorotoluene	126	9.936	9.936	(0.961)	108319	25.0000	27.921
76 tert Butylbenzene	119	10.042	10.043	(0.971)	236192	25.0000	26.793
77 1,2,4-Trimethylbenzene	105	10.078	10.078	(0.975)	327628	25.0000	28.520
78 sec-Butylbenzene	105	10.149	10.149	(0.982)	333735	25.0000	28.086
79 4-Isopropyltoluene	119	10.232	10.220	(0.990)	254803	25.0000	27.280
80 1,3-Dichlorobenzene	146	10.291	10.291	(0.995)	207797	25.0000	25.947
81 1,4-Dichlorobenzene	146	10.350	10.339	(1.001)	235348	25.0000	26.497
82 n-Butylbenzene	91	10.480	10.481	(1.014)	215088	25.0000	26.486
83 1,2-Dichlorobenzene	146	10.599	10.599	(1.025)	206131	25.0000	26.031
84 1,2-Dibromo-3-chloropropane	157	11.072	11.072	(1.071)	18149	25.0000	24.701
85 1,2,4-Trichlorobenzene	180	11.450	11.451	(1.108)	74634	25.0000	25.747
86 Hexachlorobutadiene	225	11.415	11.415	(1.104)	37847	25.0000	25.153
87 Naphthalene	128	11.640	11.640	(1.126)	188008	25.0000	22.521
88 1,2,3-Trichlorobenzene	180	11.758	11.759	(1.137)	65342	25.0000	24.951
98 Cyclohexane	56	5.238	5.239	(0.829)	116866	25.0000	23.752
143 Methyl Acetate	43	3.676	3.677	(0.582)	387628	50.0000	48.587
144 Methylcyclohexane	83	6.445	6.446	(1.021)	85505	25.0000	23.512
141 1,3,5-Trichlorobenzene	180	11.084	11.072	(1.072)	93903	25.0000	24.758

QC Flag Legend

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


Data File: \\pcanch04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120218.D
Date : 19-OCT-2004 19:23
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: RTx-VMS
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
Vinyl Chloride
-Bromomethane+
-Trichlorofluoromethane
-1,1-Dichloroethene+
-Acrolein+
-Methylene Chloride
Acetone
-trans-1,2-Dichloroethene+
-Methyl tert-butyl ether+
-tert-Butyl Alcohol
-Acetonitrile
-1,1-Dichloroethane
-Acrylonitrile
-Vinyl acetate
-cis-1,2-dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-Chloroform
-Carbon Tetrachloride
-Dibromofluoromethane+
-2-Butanone+
-Benzene
-1,2-Dichloroethane-d4
-1,2-Dichloroethane
-Fluorobenzene
-Trichloroethene+
-Dibromomethane
-1,2-Dichloropropane
-Bromodichloromethane
-1,4-Dioxane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-Toluene-d8
Toluene
-4-Methyl-2-pentanone+
-Ethyl Methacrylate+
-Dibromochloromethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-1,2-Dichloroethane (total
Chlorobenzene-d5+
m + p-Xylene
-Xylene+
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-4-Chlorotoluene
Bromobenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-4-Isopropyltoluene
-1,3-Dichlorobenzene
-n-Butylbenzene
-1,2-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dibromo-3-chloropropa+
-Hexachlorobutadiene
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120218.D
Report Date: 19-Oct-2004 21:52

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120218.D
Lab Smp Id: 50NG-IC
Inj Date : 19-OCT-2004 19:23
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 50NG-IC
Misc Info : T41019-IC,8260MIUX12,2-8260.SUB,1903,1,4
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
Meth Date : 19-Oct-2004 20:47 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 01:11 Cal File: UX129648.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: QCANOH04

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	6.315	6.315	(1.000)	793907	50.0000	
* 2 Chlorobenzene-d5	117	8.859	8.859	(1.000)	673179	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.338	10.338	(1.000)	354430	50.0000	
$ 4 Dibromofluoromethane	113	5.510	5.511	(0.873)	193620	50.0000	54.021
$ 5 1,2-Dichloroethane-d4	65	6.055	6.043	(0.959)	288696	50.0000	52.256
$ 6 Toluene-d8	98	7.711	7.712	(0.870)	768758	50.0000	57.627
$ 7 Bromofluorobenzene	95	9.652	9.652	(1.089)	314147	50.0000	58.838
8 Dichlorodifluoromethane	85	1.677	1.665	(0.266)	292510	50.0000	55.740
9 Chloromethane	50	1.854	1.854	(0.294)	404550	50.0000	49.066
10 Vinyl Chloride	62	1.925	1.914	(0.305)	344413	50.0000	54.414
11 Bromomethane	94	2.209	2.209	(0.350)	201755	50.0000	41.016
12 Chloroethane	64	2.327	2.316	(0.369)	244165	50.0000	44.836
13 Trichlorofluoromethane	101	2.422	2.411	(0.384)	393779	50.0000	53.635
15 Acrolein	56	3.227	3.215	(0.511)	437997	500.000	496.63
16 Acetone	43	3.546	3.535	(0.562)	294823	100.000	103.61
17 1,1-Dichloroethene	61	2.883	2.884	(0.457)	398852	50.0000	55.733
18 Freon-113	101	2.943	2.919	(0.466)	232093	50.0000	69.765

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120218.D
Report Date: 19-Oct-2004 21:52

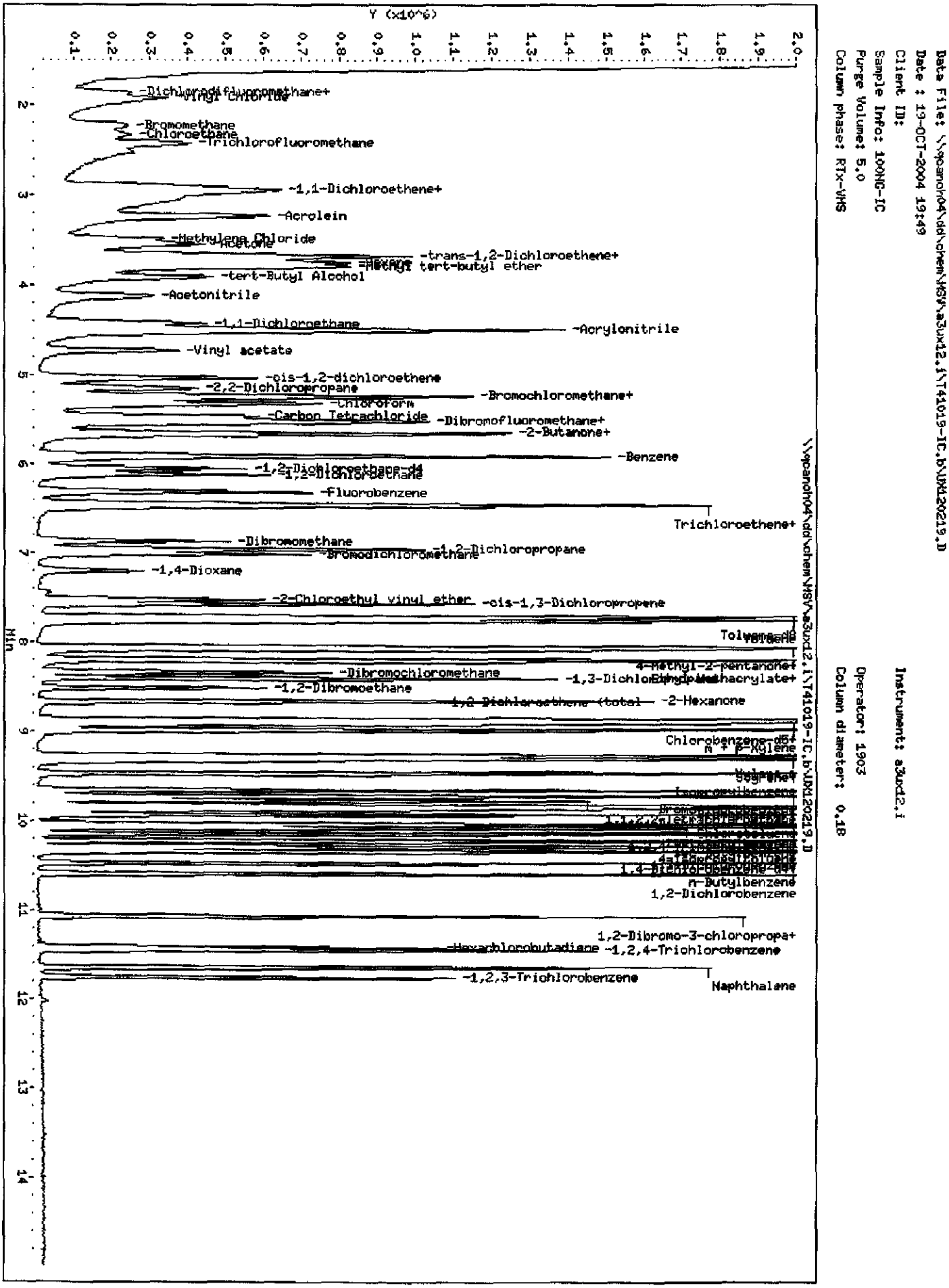
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	3.085	3.050	(0.489)	275579	50.0000	43.720
	20 Carbon Disulfide	76	2.931	2.931	(0.464)	833441	50.0000	44.310
	21 Methylene Chloride	84	3.487	3.487	(0.552)	244858	50.0000	45.137
	22 Acetonitrile	41	4.114	4.115	(0.652)	441562	500.000	480.35
	23 Acrylonitrile	53	4.493	4.493	(0.711)	942767	500.000	521.80
	24 Methyl tert-butyl ether	73	3.795	3.783	(0.601)	561906	50.0000	47.829
	25 trans-1,2-Dichloroethene	96	3.664	3.665	(0.580)	211702	50.0000	45.156
	26 Hexane	57	3.735	3.736	(0.592)	396035	50.0000	51.858
	27 Vinyl acetate	43	4.729	4.718	(0.749)	419028	50.0000	52.199
	28 1,1-Dichloroethane	63	4.422	4.410	(0.700)	358595	50.0000	49.110
	29 tert-Butyl Alcohol	59	3.901	3.913	(0.618)	444227	1000.00	972.15
	30 2-Butanone	43	5.652	5.653	(0.895)	335260	100.000	112.14
M	31 1,2-Dichloroethene (total)	96				403762	100.000	94.406
	32 cis-1,2-dichloroethene	96	5.037	5.026	(0.798)	192059	50.0000	49.250
	33 2,2-Dichloropropane	77	5.144	5.144	(0.815)	190450	50.0000	49.720
	34 Bromochloromethane	128	5.250	5.251	(0.831)	94781	50.0000	50.073
	35 Chloroform	83	5.321	5.322	(0.843)	362094	50.0000	49.022
	36 Tetrahydrofuran	42	5.499	5.487	(0.871)	94991	50.0000	45.086
	37 1,1,1 Trichloroethane	97	5.534	5.535	(0.876)	286502	50.0000	49.855
	38 1,1-Dichloropropene	75	5.664	5.653	(0.897)	254125	50.0000	49.149
	39 Carbon Tetrachloride	117	5.463	5.464	(0.865)	269803	50.0000	46.847
	40 1,2-Dichloroethane	62	6.114	6.114	(0.968)	299385	50.0000	47.369
	41 Benzene	78	5.913	5.913	(0.936)	803843	50.0000	48.172
	42 Trichloroethene	130	6.469	6.469	(1.024)	205733	50.0000	49.041
	43 1,2-Dichloropropane	63	6.954	6.954	(1.101)	195526	50.0000	49.259
	44 1,4-Dioxane	88	7.191	7.191	(1.139)	109811	2500.00	2536.1(A)
	45 Dibromomethane	93	6.859	6.860	(1.086)	118969	50.0000	50.151
	46 Bromodichloromethane	83	7.001	7.002	(1.109)	243895	50.0000	47.602
	47 2 Chloroethyl vinyl ether	63	7.510	7.511	(1.189)	107271	100.000	92.254
	48 cis-1,3-Dichloropropene	75	7.557	7.558	(1.197)	303605	50.0000	48.610
	49 4-Methyl-2-pentanone	43	8.054	8.055	(1.275)	470257	100.000	104.38
	50 Toluene	91	7.759	7.759	(0.876)	839245	50.0000	50.286
	51 trans-1,3-Dichloropropene	75	8.078	8.079	(0.912)	293800	50.0000	50.713
	52 Ethyl Methacrylate	69	8.196	8.196	(0.925)	235992	50.0000	50.726
	53 1,1,2-Trichloroethane	97	8.208	8.209	(0.927)	181247	50.0000	49.253
	54 1,3-Dichloropropane	76	8.409	8.410	(0.949)	336653	50.0000	49.013
	55 Tetrachloroethene	164	8.054	8.055	(0.909)	141972	50.0000	47.272
	56 2-Hexanone	43	8.658	8.657	(0.977)	413410	100.000	114.56
	57 Dibromochloromethane	129	8.338	8.339	(0.941)	176412	50.0000	50.302
	58 1,2-Dibromoethane	107	8.516	8.516	(0.961)	171152	50.0000	47.910
	59 Chlorobenzene	112	8.871	8.871	(1.001)	558753	50.0000	47.820
	60 1,1,1,2-Tetrachloroethane	131	8.918	8.919	(1.007)	192738	50.0000	48.097
	61 Ethylbenzene	106	8.883	8.883	(1.003)	273573	50.0000	49.208
	62 m + p-Xylene	106	8.977	8.978	(1.013)	702794	100.000	100.79
M	63 Xylenes (total)	106				1022705	150.000	151.34
	64 Xylene-o	106	9.273	9.274	(1.047)	319911	50.0000	50.554
	65 Styrene	104	9.297	9.297	(1.049)	574958	50.0000	53.033

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120218.D
Report Date: 19-Oct-2004 21:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	9.332	9.333	(1.053)	115566	50.0000	48.672
67 Isopropylbenzene	105	9.463	9.463	(1.068)	707549	50.0000	51.252
68 1,1,2,2-Tetrachloroethane	83	9.770	9.771	(0.945)	257477	50.0000	47.520
69 1,4-Dichloro-2-butene	53	9.877	9.877	(0.955)	85682	50.0000	53.534
70 1,2,3-Trichloropropane	110	9.865	9.865	(0.954)	102963	50.0000	50.364
71 Bromobenzene	156	9.723	9.723	(0.940)	243030	50.0000	46.699
72 n-Propylbenzene	120	9.723	9.723	(0.940)	194620	50.0000	52.339
73 2-Chlorotoluene	126	9.829	9.830	(0.951)	205104	50.0000	51.117
74 1,3,5-Trimethylbenzene	105	9.841	9.842	(0.952)	623915	50.0000	51.922
75 4-Chlorotoluene	126	9.936	9.936	(0.961)	213454	50.0000	51.141
76 tert-Butylbenzene	119	10.042	10.043	(0.971)	484424	50.0000	51.200
77 1,2,4-Trimethylbenzene	105	10.078	10.078	(0.975)	639394	50.0000	52.055
78 sec-Butylbenzene	105	10.149	10.149	(0.982)	642155	50.0000	50.464
79 4-Isopropyltoluene	119	10.220	10.220	(0.989)	504912	50.0000	50.630
80 1,3-Dichlorobenzene	146	10.291	10.291	(0.995)	392012	50.0000	46.115
81 1,4-Dichlorobenzene	146	10.350	10.339	(1.001)	437571	50.0000	46.368
82 n-Butylbenzene	91	10.480	10.481	(1.014)	426832	50.0000	48.785
83 1,2 Dichlorobenzene	146	10.599	10.599	(1.025)	396077	50.0000	47.049
84 1,2-Dibromo-3-chloropropane	157	11.072	11.072	(1.071)	38489	50.0000	49.402
85 1,2,4-Trichlorobenzene	180	11.451	11.451	(1.108)	148203	50.0000	48.378
86 Hexachlorobutadiene	225	11.415	11.415	(1.104)	62210	50.0000	38.916
87 Naphthalene	128	11.640	11.640	(1.126)	437006	50.0000	49.951
88 1,2,3-Trichlorobenzene	180	11.758	11.759	(1.137)	136637	50.0000	49.227
98 Cyclohexane	56	5.238	5.239	(0.829)	292352	50.0000	56.091
143 Methyl Acetate	43	3.676	3.677	(0.582)	771351	100.000	94.982
144 Methylcyclohexane	83	6.445	6.446	(1.021)	221373	50.0000	56.107
141 1,3,5-Trichlorobenzene	180	11.084	11.072	(1.072)	177437	50.0000	44.046

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120219.D
Date : 19-OCT-2004 19:49
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: RTx-VMS
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-1,1-Dichloroethene+
-Acrolein
-Methylene Chloride
-Acetone
-trans-1,2-Dichloroethene+
-Methyl tert-butyl ether
-tert-Butyl Alcohol
-Acetonitrile
-1,1-Dichloroethane
-Acrylonitrile
-Vinyl acetate
-cis-1,2-dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-Chloroform
-Carbon Tetrachloride
-Dibromofluoromethane+
-2-Butanone+
-Benzene
-1,2-Dichloroethane-d4
-1,2-Dichloroethane
-Fluorobenzene
Trichloroethene+
-Dibromomethane
-1,2-Dichloropropane
-Bromodichloromethane
-1,4-Dioxane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
Toluene-d8
Toluene
4-Methyl-2-pentanone+
-Dibromochloromethane
-1,3-Dichloropropene
Ethyl Methacrylate+
-1,2-Dibromoethane
-1,2-Dichloroethene (total
-2-Hexanone
Chlorobenzene-d5+
m + p-Xylene
Styrene+
Isopropylbenzene
Bromobenzene
1,1,2,2-Tetrachloroethane
4-Ethylbenzene
1,4-Dichlorobenzene-d4
n-Butylbenzene
1,2-Dichlorobenzene
1,2-Dibromo-3-chloropropa+
-Hexachlorobutadiene
-1,2,4-Trichlorobenzene
-1,2,3-Trichlorobenzene
Naphthalene
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Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120219.D
Report Date: 19-Oct-2004 21:52

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120219.D
Lab Smp Id: 100NG-IC
Inj Date : 19-OCT-2004 19:49
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 100NG-IC
Misc Info : T41019-IC,8260MIUX12,2-8260.SUB,1903,1,5
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
Meth Date : 19-Oct-2004 20:47 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 01:36 Cal File: UX129649.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: QCANOH04

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	6.315	6.315	(1.000)	833109	50.0000	
* 2 Chlorobenzene-d5	117	8.859	8.859	(1.000)	700894	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.338	10.338	(1.000)	374831	50.0000	
$ 4 Dibromofluoromethane	113	5.510	5.511	(0.873)	385116	100.000	103.95
$ 5 1,2-Dichloroethane-d4	65	6.043	6.043	(0.957)	575232	100.000	101.29
$ 6 Toluene-d8	98	7.711	7.712	(0.870)	1535647	100.000	110.67
$ 7 Bromofluorobenzene	95	9.652	9.652	(1.089)	640130	100.000	113.74
8 Dichlorodifluoromethane	85	1.665	1.665	(0.264)	619495	100.000	110.58
9 Chloromethane	50	1.854	1.854	(0.294)	790117	100.000	92.844
10 Vinyl Chloride	62	1.925	1.914	(0.305)	713761	100.000	102.01
11 Bromomethane	94	2.221	2.209	(0.352)	406808	100.000	85.716
12 Chloroethane	64	2.315	2.316	(0.367)	521263	100.000	91.884
13 Trichlorofluoromethane	101	2.410	2.411	(0.382)	837994	100.000	111.66
15 Acrolein	56	3.227	3.215	(0.511)	904454	1000.00	993.73
16 Acetone	43	3.546	3.535	(0.562)	640164	200.000	204.14(A)
17 1,1-Dichloroethene	61	2.883	2.884	(0.457)	886938	100.000	110.73
18 Freon-113	101	2.931	2.919	(0.464)	487989	100.000	131.70

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120219.D
Report Date: 19-Oct-2004 21:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	3.061	3.050	(0.485)	627487	100.000	101.58
	20 Carbon Disulfide	76	2.943	2.931	(0.466)	1796393	100.000	95.926
	21 Methylene Chloride	84	3.475	3.487	(0.550)	517946	100.000	95.863
	22 Acetonitrile	41	4.114	4.115	(0.651)	977254	1000.00	1001.2
	23 Acrylonitrile	53	4.493	4.493	(0.711)	1999500	1000.00	1048.8
	24 Methyl tert-butyl ether	73	3.783	3.783	(0.599)	1215948	100.000	101.86
	25 trans-1,2-Dichloroethene	96	3.664	3.665	(0.580)	468671	100.000	99.299
	26 Hexane	57	3.735	3.736	(0.592)	886044	100.000	108.40
	27 Vinyl acetate	43	4.729	4.718	(0.749)	960670	100.000	111.98
	28 1,1-Dichloroethane	63	4.422	4.410	(0.700)	787282	100.000	103.42
	29 tert-Butyl Alcohol	59	3.901	3.913	(0.618)	988117	2000.00	2060.4(A)
	30 2-Butanone	43	5.652	5.653	(0.895)	743991	200.000	224.38(A)
M	31 1,2-Dichloroethene (total)	96				896418	200.000	206.34
	32 cis-1,2-dichloroethene	96	5.037	5.026	(0.798)	427747	100.000	107.04
	33 2,2-Dichloropropane	77	5.143	5.144	(0.815)	408279	100.000	101.76
	34 Bromochloromethane	128	5.250	5.251	(0.831)	203833	100.000	105.78
	35 Chloroform	83	5.321	5.322	(0.843)	777393	100.000	101.92
	36 Tetrahydrofuran	42	5.498	5.487	(0.871)	184587	100.000	81.588
	37 1,1,1-Trichloroethane	97	5.534	5.535	(0.876)	651337	100.000	108.53
	38 1,1-Dichloropropene	75	5.664	5.653	(0.897)	581654	100.000	107.20
	39 Carbon Tetrachloride	117	5.463	5.464	(0.865)	612516	100.000	102.32
	40 1,2-Dichloroethane	62	6.114	6.114	(0.968)	652690	100.000	98.975
	41 Benzene	78	5.913	5.913	(0.936)	1779997	100.000	103.02
	42 Trichloroethene	130	6.469	6.469	(1.024)	450159	100.000	103.80
	43 1,2-Dichloropropane	63	6.954	6.954	(1.101)	433456	100.000	104.41
	44 1,4-Dioxane	88	7.191	7.191	(1.139)	249805	5000.00	5591.1(A)
	45 Dibromomethane	93	6.859	6.860	(1.086)	254450	100.000	103.82
	46 Bromodichloromethane	83	7.001	7.002	(1.109)	556917	100.000	105.28
	47 2-Chloroethyl vinyl ether	63	7.510	7.511	(1.189)	260418	200.000	227.59(A)
	48 cis-1,3-Dichloropropene	75	7.557	7.558	(1.197)	695843	100.000	107.49
	49 4-Methyl-2-pentanone	43	8.054	8.055	(1.275)	1130606	200.000	234.77(A)
	50 Toluene	91	7.759	7.759	(0.876)	1911547	100.000	110.41
	51 trans-1,3-Dichloropropene	75	8.078	8.079	(0.912)	707218	100.000	116.78
	52 Ethyl Methacrylate	69	8.196	8.196	(0.925)	601786	100.000	121.87
	53 1,1,2-Trichloroethane	97	8.208	8.209	(0.927)	382259	100.000	100.79
	54 1,3-Dichloropropane	76	8.409	8.410	(0.949)	752569	100.000	105.41
	55 Tetrachloroethene	164	8.054	8.055	(0.909)	315100	100.000	101.42
	56 2-Hexanone	43	8.658	8.657	(0.977)	1034788	200.000	256.35(A)
	57 Dibromochloromethane	129	8.338	8.339	(0.941)	397367	100.000	109.92
	58 1,2-Dibromoethane	107	8.516	8.516	(0.961)	386360	100.000	104.55
	59 Chlorobenzene	112	8.871	8.871	(1.001)	1280618	100.000	105.98
	60 1,1,1,2-Tetrachloroethane	131	8.918	8.919	(1.007)	437041	100.000	106.16
	61 Ethylbenzene	106	8.883	8.883	(1.003)	641228	100.000	111.91
	62 m + p-Xylene	106	8.977	8.978	(1.013)	1635021	200.000	227.46(A)
M	63 Xylenes (total)	106				2412732	300.000	346.68
	64 Xylene-o	106	9.273	9.274	(1.047)	777711	100.000	119.22
	65 Styrene	104	9.297	9.297	(1.049)	1369174	100.000	123.31

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120219.D
Report Date: 19-Oct-2004 21:52

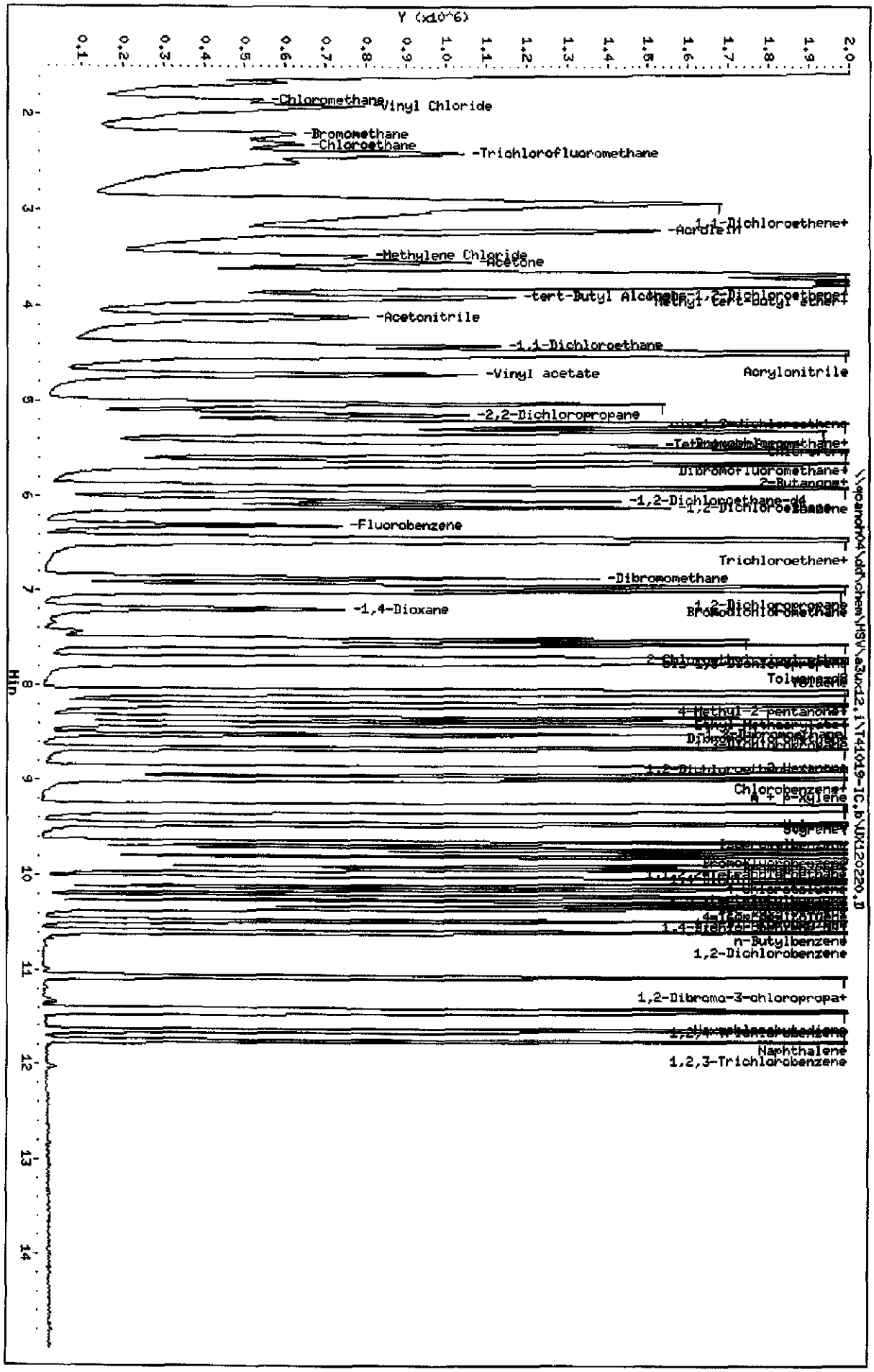
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	9.332	9.333	(1.053)	283960	100.000	117.06
67 Isopropylbenzene	105	9.462	9.463	(1.068)	1698155	100.000	118.66
68 1,1,2,2-Tetrachloroethane	83	9.770	9.771	(0.945)	583116	100.000	101.40
69 1,4-Dichloro-2-butene	53	9.877	9.877	(0.955)	202817	100.000	115.58
70 1,2,3-Trichloropropane	110	9.865	9.865	(0.954)	226818	100.000	105.01
71 Bromobenzene	156	9.723	9.723	(0.940)	556471	100.000	102.20
72 n-Propylbenzene	120	9.723	9.723	(0.940)	472328	100.000	120.28
73 2-Chlorotoluene	126	9.829	9.830	(0.951)	469178	100.000	111.28
74 1,3,5-Trimethylbenzene	105	9.841	9.842	(0.952)	1506351	100.000	118.25
75 4-Chlorotoluene	126	9.936	9.936	(0.961)	495670	100.000	112.46
76 tert-Butylbenzene	119	10.042	10.043	(0.971)	1152033	100.000	115.04
77 1,2,4-Trimethylbenzene	105	10.078	10.078	(0.975)	1560684	100.000	119.91
78 sec-Butylbenzene	105	10.149	10.149	(0.982)	1591364	100.000	117.36
79 4-Isopropyltoluene	119	10.220	10.220	(0.989)	1271502	100.000	120.42
80 1,3-Dichlorobenzene	146	10.291	10.291	(0.995)	908229	100.000	101.56
81 1,4-Dichlorobenzene	146	10.350	10.339	(1.001)	993438	100.000	100.52
82 n-Butylbenzene	91	10.480	10.481	(1.014)	1056222	100.000	113.88
83 1,2-Dichlorobenzene	146	10.598	10.599	(1.025)	909520	100.000	103.06
84 1,2-Dibromo-3-chloropropane	157	11.072	11.072	(1.071)	92724	100.000	113.68
85 1,2,4-Trichlorobenzene	180	11.450	11.451	(1.108)	369497	100.000	115.51
86 Hexachlorobutadiene	225	11.415	11.415	(1.104)	150029	100.000	89.348
87 Naphthalene	128	11.640	11.640	(1.126)	1168584	100.000	127.48
88 1,2,3-Trichlorobenzene	180	11.758	11.759	(1.137)	326198	100.000	112.59
98 Cyclohexane	56	5.238	5.239	(0.829)	687725	100.000	120.90
143 Methyl Acetate	43	3.676	3.677	(0.582)	1679166	200.000	197.46
144 Methylcyclohexane	83	6.445	6.446	(1.021)	513380	100.000	117.71(A)
141 1,3,5-Trichlorobenzene	180	11.072	11.072	(1.071)	430965	100.000	102.20

QC Flag Legend

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

Data File: \\pcanoh04\dd\chem\HSV\a3ux12.i\T41019-IC.b\UX120220.D
Date : 19-OCT-2004 20:14
Client ID:
Sample Info: 250NG-IC
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120220.D
Report Date: 19-Oct-2004 21:53

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120220.D
Lab Smp Id: 250NG-IC
Inj Date : 19-OCT-2004 20:14
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 250NG-IC
Misc Info : T41019-IC,8260MIUX12,2-8260.SUB,1903,1,6
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
Meth Date : 19-Oct-2004 20:47 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 02:00 Cal File: UX129650.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: QCANOH04

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	6.315	6.315	(1.000)	860683	50.0000	
* 2 Chlorobenzene-d5	117	8.859	8.859	(1.000)	721292	50.0000	(R)
* 3 1,4-Dichlorobenzene-d4	152	10.338	10.338	(1.000)	401337	50.0000	
$ 4 Dibromofluoromethane	113	5.510	5.511	(0.873)	962015	250.000	246.62(A)
$ 5 1,2-Dichloroethane-d4	65	6.043	6.043	(0.957)	1444529	250.000	244.63(A)
$ 6 Toluene-d8	98	7.711	7.712	(0.865)	3971124	250.000	262.42(A)
$ 7 Bromofluorobenzene	95	9.652	9.652	(1.082)	1686961	250.000	269.16(A)
8 Dichlorodifluoromethane	85	1.665	1.665	(0.264)	1522123	250.000	268.00(A)
9 Chloromethane	50	1.854	1.854	(0.294)	1997490	250.000	219.51(A)
10 Vinyl Chloride	62	1.913	1.914	(0.303)	1871949	250.000	263.81(A)
11 Bromomethane	94	2.209	2.209	(0.350)	1210044	250.000	266.64(A)
12 Chloroethane	64	2.315	2.316	(0.367)	1482461	250.000	269.83(A)
13 Trichlorofluoromethane	101	2.410	2.411	(0.382)	2328434	250.000	314.67(A)
15 Acrolein	56	3.215	3.215	(0.509)	2395739	2500.00	2565.7(A)
16 Acetone	43	3.534	3.535	(0.560)	1413907	500.000	429.73(A)
17 1,1-Dichloroethene	61	2.883	2.884	(0.457)	2349083	250.000	268.06(A)
18 Freon-113	101	2.919	2.919	(0.462)	1220051	250.000	315.21(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120220.D
Report Date: 19-Oct-2004 21:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	3.049	3.050	(0.483)	1742938	250.000	290.33(A)
	20 Carbon Disulfide	76	2.931	2.931	(0.464)	4727385	250.000	251.54(A)
	21 Methylene Chloride	84	3.487	3.487	(0.552)	1328314	250.000	247.18(A)
	22 Acetonitrile	41	4.114	4.115	(0.652)	2488916	2500.00	2403.1(A)
	23 Acrylonitrile	53	4.493	4.493	(0.711)	5364882	2500.00	2673.7(A)
	24 Methyl tert-butyl ether	73	3.783	3.783	(0.599)	3393673	250.000	279.16(A)
	25 trans-1,2-Dichloroethene	96	3.664	3.665	(0.580)	1187079	250.000	252.47(A)
	26 Hexane	57	3.735	3.736	(0.592)	2343676	250.000	283.73(A)
	27 Vinyl acetate	43	4.718	4.718	(0.747)	2728213	250.000	296.89(A)
	28 1,1-Dichloroethane	63	4.410	4.410	(0.698)	2042898	250.000	258.08(A)
	29 tert-Butyl Alcohol	59	3.913	3.913	(0.620)	2648248	5000.00	5286.5(A)
	30 2-Butanone	43	5.652	5.653	(0.895)	1808671	500.000	508.24(A)
M	31 1,2-Dichloroethene (total)	96				2306301	500.000	524.15
	32 cis-1,2-dichloroethene	96	5.025	5.026	(0.796)	1119222	250.000	271.68(A)
	33 2,2-Dichloropropane	77	5.144	5.144	(0.815)	1023567	250.000	245.42(A)
	34 Bromochloromethane	128	5.250	5.251	(0.831)	534855	250.000	270.64(A)
	35 Chloroform	83	5.321	5.322	(0.843)	1996182	250.000	253.25(A)
	36 Tetrahydrofuran	42	5.487	5.487	(0.869)	432931	250.000	184.78
	37 1,1,1-Trichloroethane	97	5.534	5.535	(0.876)	1623958	250.000	262.98(A)
	38 1,1-Dichloropropene	75	5.652	5.653	(0.895)	1553164	250.000	282.20(A)
	39 Carbon Tetrachloride	117	5.463	5.464	(0.865)	1610129	250.000	259.32(A)
	40 1,2-Dichloroethane	62	6.114	6.114	(0.968)	1656897	250.000	242.10(A)
	41 Benzene	78	5.913	5.913	(0.936)	4648045	250.000	260.17(A)
	42 Trichloroethene	130	6.469	6.469	(1.024)	1151788	250.000	259.53(A)
	43 1,2-Dichloropropane	63	6.954	6.954	(1.101)	1146372	250.000	264.04(A)
	44 1,4-Dioxane	88	7.191	7.191	(1.139)	706132	12500.0	15111(A)
	45 Dibromomethane	93	6.859	6.860	(1.086)	652405	250.000	258.10(A)
	46 Bromodichloromethane	83	7.001	7.002	(1.109)	1500576	250.000	274.33(A)
	47 2-Chloroethyl vinyl ether	63	7.510	7.511	(1.189)	746215	500.000	665.64(A)
	48 cis-1,3-Dichloropropene	75	7.557	7.558	(1.197)	1894003	250.000	291.92(A)
	49 4-Methyl-2-pentanone	43	8.054	8.055	(1.275)	3029641	500.000	598.38(A)
	50 Toluene	91	7.759	7.759	(0.870)	5068768	250.000	279.86(A)
	51 trans-1,3-Dichloropropene	75	8.078	8.079	(0.906)	1889252	250.000	295.96(A)
	52 Ethyl Methacrylate	69	8.196	8.196	(0.919)	1737598	250.000	329.16(A)
	53 1,1,2-Trichloroethane	97	8.208	8.209	(0.920)	1023252	250.000	258.29(A)
	54 1,3-Dichloropropane	76	8.409	8.410	(0.943)	1974283	250.000	263.24(A)
	55 Tetrachloroethene	164	8.054	8.055	(0.903)	833674	250.000	258.90(A)
	56 2-Hexanone	43	8.658	8.657	(0.971)	2556824	500.000	578.95(A)
	57 Dibromochloromethane	129	8.338	8.339	(0.935)	1085911	250.000	288.39(A)
	58 1,2-Dibromoethane	107	8.516	8.516	(0.955)	1032821	250.000	267.14(A)
	59 Chlorobenzene	112	8.871	8.871	(0.995)	3339908	250.000	265.60(A)
	60 1,1,1,2-Tetrachloroethane	131	8.918	8.919	(1.000)	1194961	250.000	279.84(A)
	61 Ethylbenzene	106	8.883	8.883	(0.996)	1733154	250.000	290.89(A)
	62 m + p-Xylene	106	8.977	8.978	(1.007)	4567430	500.000	609.29(A)
M	63 Xylenes (total)	106				6753467	750.000	929.38
	64 Xylene-o	106	9.273	9.274	(1.040)	2186037	250.000	320.10(A)
	65 Styrene	104	9.297	9.297	(1.042)	4019893	250.000	345.64(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120220.D
Report Date: 19-Oct-2004 21:53

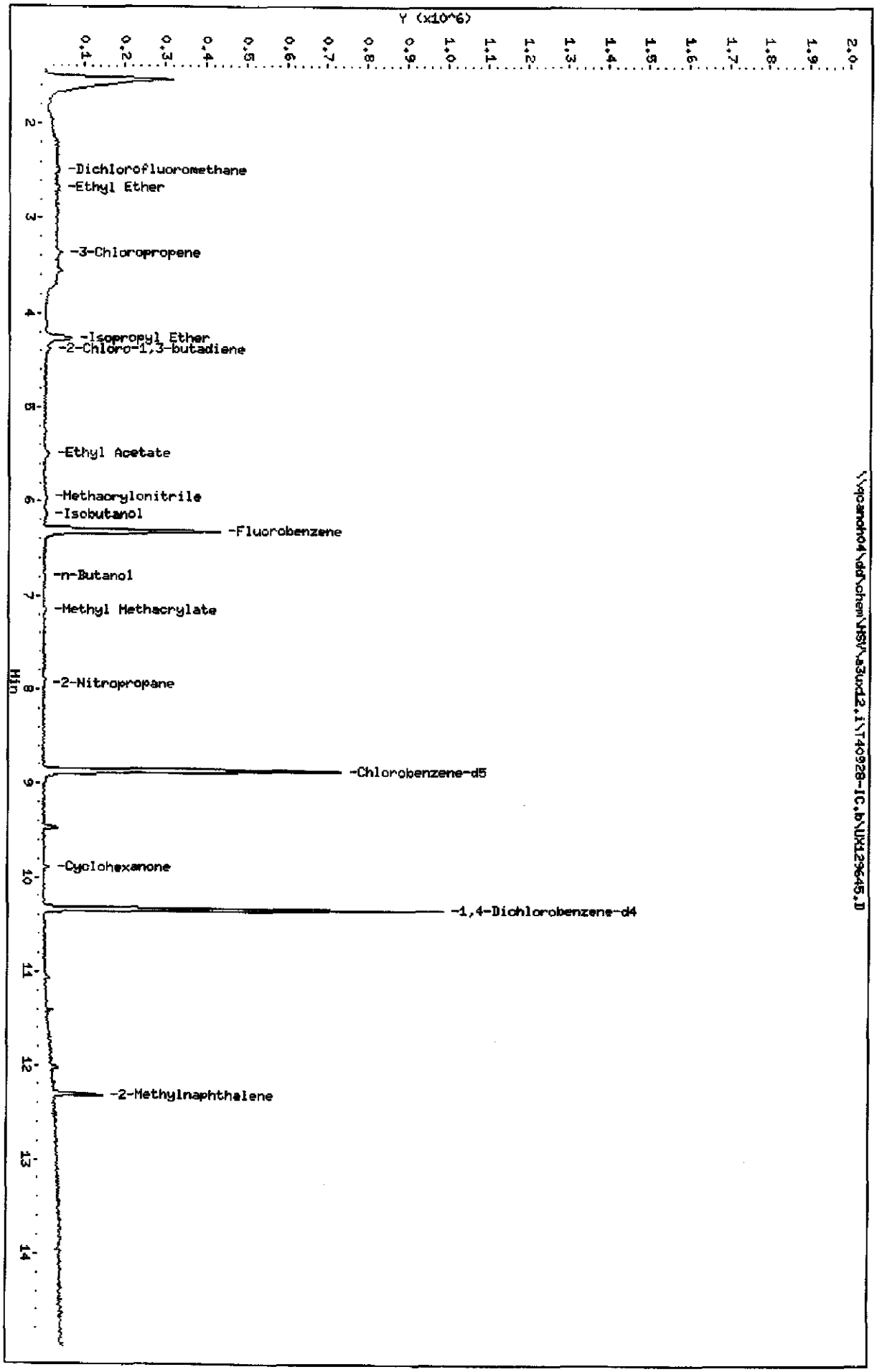
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	9.332	9.333	(1.046)	826160	250.000	327.66(A)
67 Isopropylbenzene	105	9.463	9.463	(1.061)	4898172	250.000	326.27(A)
68 1,1,2,2-Tetrachloroethane	83	9.770	9.771	(0.945)	1555936	250.000	250.21(A)
69 1,4-Dichloro-2-butene	53	9.877	9.877	(0.955)	570994	250.000	292.99(A)
70 1,2,3-Trichloropropane	110	9.865	9.865	(0.954)	583188	250.000	243.33(A)
71 Bromobenzene	156	9.723	9.723	(0.940)	1506721	250.000	258.62(A)
72 n-Propylbenzene	120	9.723	9.723	(0.940)	1314363	250.000	311.68(A)
73 2-Chlorotoluene	126	9.829	9.830	(0.951)	1319539	250.000	292.13(A)
74 1,3,5-Trimethylbenzene	105	9.841	9.842	(0.952)	4328701	250.000	315.21(A)
75 4-Chlorotoluene	126	9.936	9.936	(0.961)	1343341	250.000	283.85(A)
76 tert-Butylbenzene	119	10.042	10.043	(0.971)	3334548	250.000	308.56(A)
77 1,2,4-Trimethylbenzene	105	10.078	10.078	(0.975)	4433700	250.000	314.86(A)
78 sec-Butylbenzene	105	10.149	10.149	(0.982)	4612380	250.000	314.74(A)
79 4-Isopropyltoluene	119	10.220	10.220	(0.989)	3723811	250.000	326.52(A)
80 1,3-Dichlorobenzene	146	10.291	10.291	(0.995)	2520710	250.000	262.59(A)
81 1,4-Dichlorobenzene	146	10.338	10.339	(1.000)	2732062	250.000	257.88(A)
82 n-Butylbenzene	91	10.480	10.481	(1.014)	3218691	250.000	320.26(A)
83 1,2-Dichlorobenzene	146	10.598	10.599	(1.025)	2510845	250.000	265.24(A)
84 1,2-Dibromo-3-chloropropane	157	11.072	11.072	(1.071)	279992	250.000	321.65(A)
85 1,2,4-Trichlorobenzene	180	11.450	11.451	(1.108)	1148138	250.000	333.61(A)
86 Hexachlorobutadiene	225	11.415	11.415	(1.104)	432509	250.000	240.31(A)
87 Naphthalene	128	11.640	11.640	(1.126)	3597382	250.000	366.21(A)
88 1,2,3-Trichlorobenzene	180	11.758	11.759	(1.137)	970426	250.000	312.70(A)
98 Cyclohexane	56	5.238	5.239	(0.829)	1975991	250.000	333.10(A)
143 Methyl Acetate	43	3.676	3.677	(0.582)	4241941	500.000	471.61
144 Methylcyclohexane	83	6.445	6.446	(1.021)	1397526	250.000	298.21(A)
141 1,3,5-Trichlorobenzene	180	11.072	11.072	(1.071)	1261434	250.000	278.62

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129645.D
Date : 28-SEP-2004 23:58
Client ID:
Sample Info: 2.5NG-A9-IC
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129645.D
Report Date: 29-Sep-2004 17:23

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129645.D
Lab Smp Id: 2.5NG-A9-IC
Inj Date : 28-SEP-2004 23:58
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 2.5NG-A9-IC
Misc Info : T40928-IC,8260MIUX12,3-IX.SUB,1903,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\8260MIUX12.m
Meth Date : 29-Sep-2004 17:23 laveyt Quant Type: ISTD
Cal Date : 28-SEP-2004 23:58 Cal File: UX129645.D
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV04

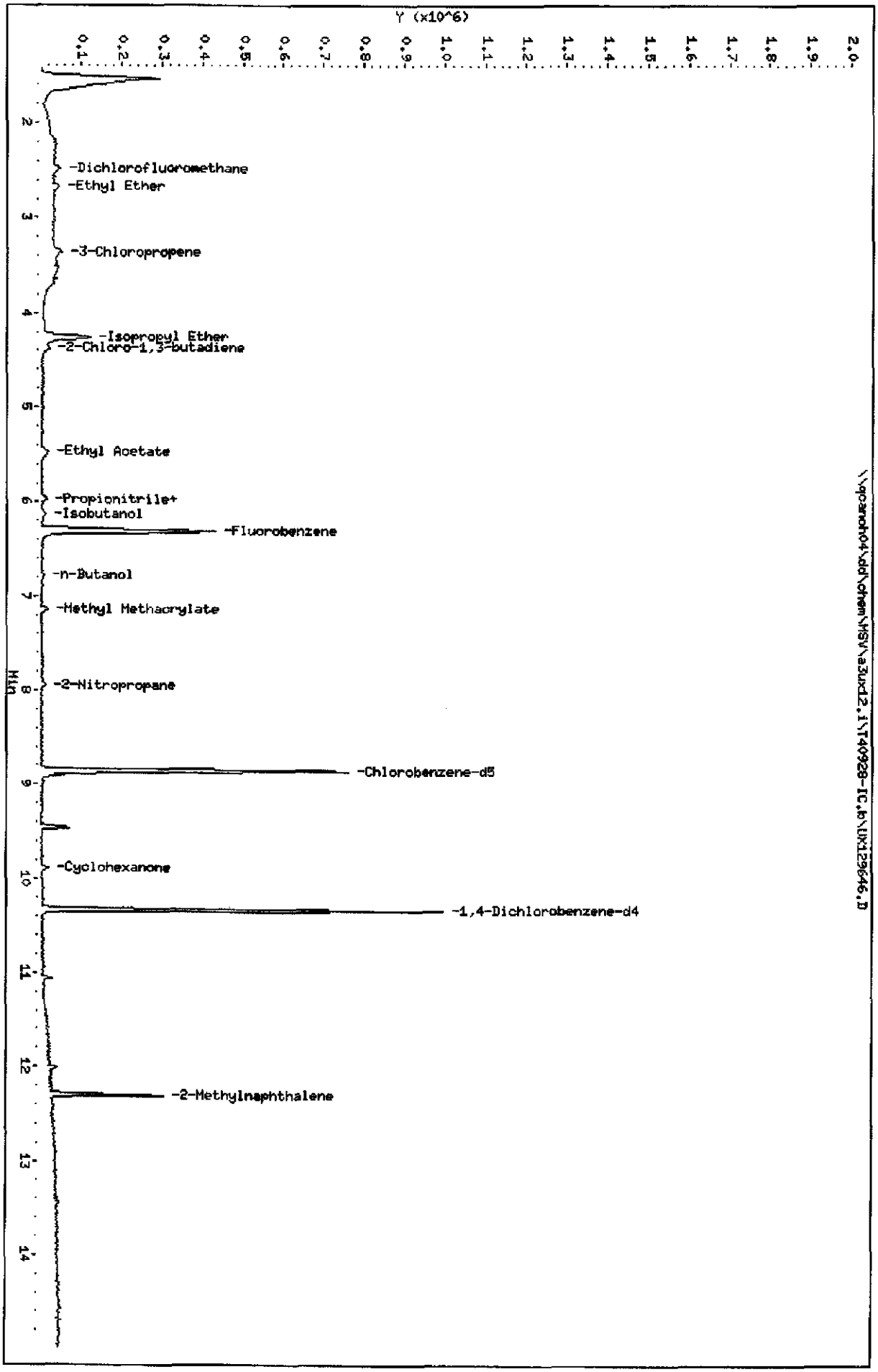
Concentration Formula: Amt * DF * 1/Vo

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	6.310	6.310	(1.000)	508999	50.0000	
* 2 Chlorobenzene-d5	117	8.866	8.866	(1.000)	465429	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.333	10.333	(1.000)	238271	50.0000	
14 Dichlorofluoromethane	67	2.488	2.488	(0.394)	20363	2.50000	2.667
89 Ethyl Ether	59	2.689	2.689	(0.426)	6113	2.50000	2.320
91 3-Chloropropene	76	3.363	3.363	(0.533)	5297	2.50000	3.273
92 Isopropyl Ether	87	4.263	4.263	(0.676)	23869	12.5000	11.033
93 2-Chloro-1,3-butadiene	53	4.381	4.381	(0.694)	8293	2.50000	2.448
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	5.482	5.482	(0.869)	16065	5.00000	6.305
96 Methacrylonitrile	41	5.978	5.978	(0.947)	4614	2.50000	2.897
97 Isobutanol	41	6.132	6.132	(0.692)	4734	50.0000	49.530
99 n-Butanol	56	6.807	6.807	(0.768)	2827	50.0000	44.549
100 Methyl Methacrylate	41	7.150	7.150	(1.133)	7147	2.50000	3.150
101 2-Nitropropane	41	7.955	7.955	(1.261)	2967	5.00000	5.178
103 Cyclohexanone	55	9.895	9.895	(0.958)	4158	25.0000	17.477
146 2-Methylnaphthalene	142	12.309	12.309	(1.191)	57673	25.0000	83.156

Data File: \\qcanch04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129646.D
Date : 29-SEP-2004 00:22
Client ID:
Sample Info: 5NG-A9-IC
Purge Volume: 5.0
Column Phase: RTx-VMS

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129646.D
Report Date: 29-Sep-2004 17:23

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129646.D
Lab Smp Id: 5NG-A9-IC
Inj Date : 29-SEP-2004 00:22
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 5NG-A9-IC
Misc Info : T40928-IC,8260MIUX12,3-IX.SUB,1903,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\8260MIUX12.m
Meth Date : 29-Sep-2004 17:23 laveyt Quant Type: ISTD
Cal Date : 28-SEP-2004 23:58 Cal File: UX129645.D
Als bottle: 11 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV04

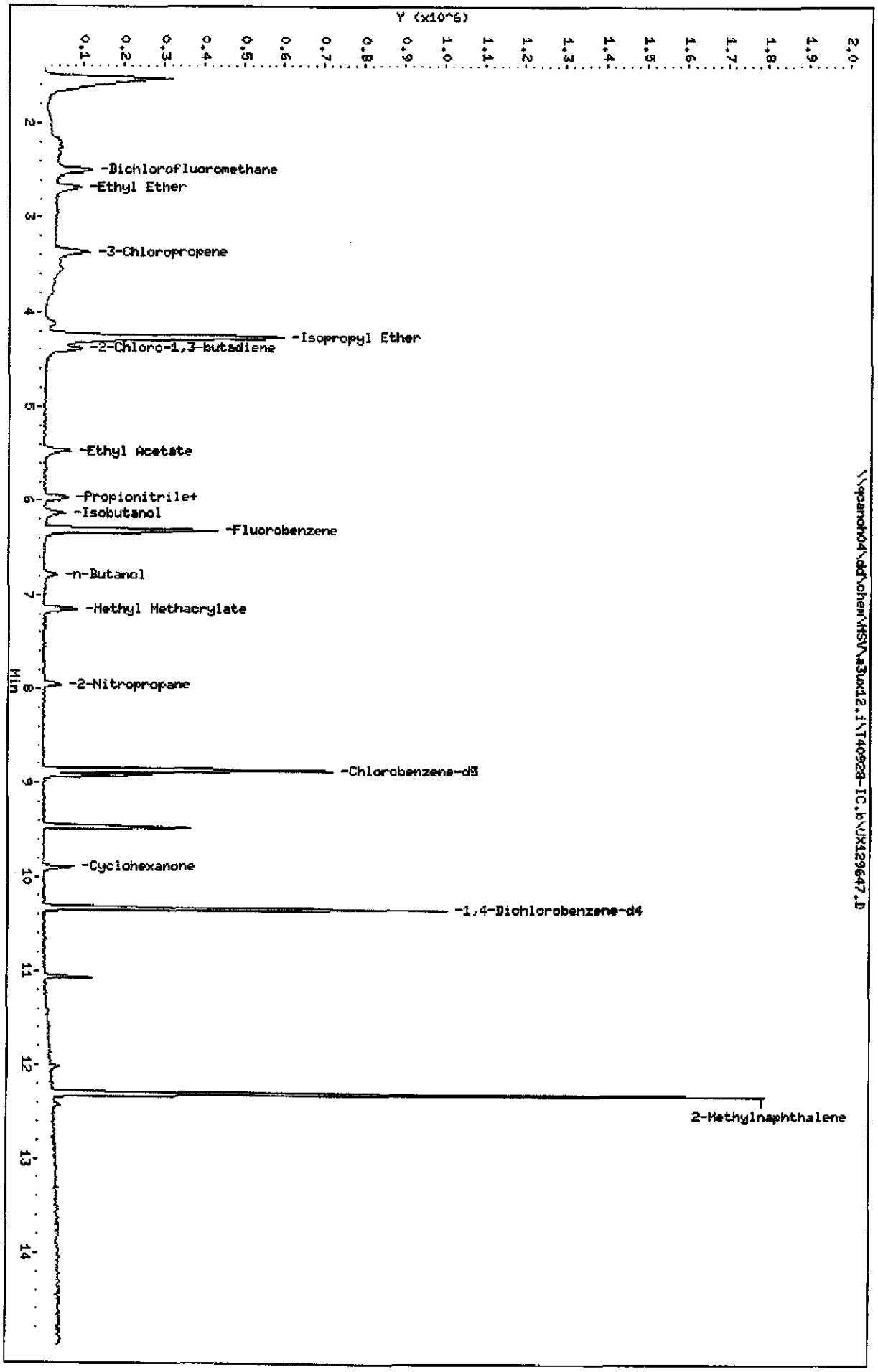
Concentration Formula: Amt * DF * 1/Vo

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	6.310	6.310	(1.000)	507160	50.0000	
* 2 Chlorobenzene-d5	117	8.866	8.866	(1.000)	455534	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.333	10.333	(1.000)	232616	50.0000	
14 Dichlorofluoromethane	67	2.488	2.488	(0.394)	35144	5.00000	4.619
89 Ethyl Ether	59	2.677	2.677	(0.424)	12772	5.00000	4.866
91 3-Chloropropene	76	3.375	3.375	(0.535)	7445	5.00000	4.617
92 Isopropyl Ether	87	4.263	4.263	(0.676)	50183	25.0000	23.280
93 2-Chloro-1,3-butadiene	53	4.381	4.381	(0.694)	13993	5.00000	4.145
94 Propionitrile	54	5.967	5.967	(0.946)	2584	10.0000	7.832
95 Ethyl Acetate	43	5.470	5.470	(0.867)	24745	10.0000	9.747
96 Methacrylonitrile	41	5.978	5.978	(0.947)	7917	5.00000	4.988
97 Isobutanol	41	6.132	6.132	(0.692)	10118	100.000	108.16
99 n-Butanol	56	6.795	6.795	(0.766)	4835	100.000	77.847
100 Methyl Methacrylate	41	7.150	7.150	(1.133)	10808	5.00000	4.781
101 2-Nitropropane	41	7.943	7.943	(1.259)	6216	10.0000	10.888
103 Cyclohexanone	55	9.895	9.895	(0.958)	7992	50.0000	52.826
146 2-Methylnaphthalene	142	12.309	12.309	(1.191)	140974	50.0000	98.601

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129647.D
Date : 29-SEP-2004 00:47
Client ID:
Sample Info: 25NG-A9-IC
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129647.D
Report Date: 29-Sep-2004 17:24

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129647.D
Lab Smp Id: 25NG-A9-IC
Inj Date : 29-SEP-2004 00:47
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 25NG-A9-IC
Misc Info : T40928-IC,8260MIUX12,3-IX.SUB,1903,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\8260MIUX12.m
Meth Date : 29-Sep-2004 17:24 laveyt Quant Type: ISTD
Cal Date : 28-SEP-2004 23:58 Cal File: UX129645.D
Als bottle: 12 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV04

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	6.310	6.310	(1.000)	494313	50.0000	
* 2 Chlorobenzene-d5	117	8.866	8.866	(1.000)	439842	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.333	10.333	(1.000)	235481	50.0000	
14 Dichlorofluoromethane	67	2.488	2.488	(0.394)	167486	25.0000	22.586
89 Ethyl Ether	59	2.677	2.677	(0.424)	59014	25.0000	23.066
91 3-Chloropropene	76	3.363	3.363	(0.533)	39431	25.0000	25.091
92 Isopropyl Ether	87	4.263	4.263	(0.676)	269712	125.000	128.37
93 2-Chloro-1,3-butadiene	53	4.381	4.381	(0.694)	84274	25.0000	25.612
94 Propionitrile	54	5.955	5.955	(0.944)	16672	50.0000	51.844
95 Ethyl Acetate	43	5.470	5.470	(0.867)	118483	50.0000	47.883
96 Methacrylonitrile	41	5.967	5.967	(0.946)	37375	25.0000	24.161
97 Isobutanol	41	6.132	6.132	(0.692)	47907	500.000	530.40(A)
99 n-Butanol	56	6.795	6.795	(0.766)	29535	500.000	492.50(A)
100 Methyl Methacrylate	41	7.150	7.150	(1.133)	50572	25.0000	22.954
101 2-Nitropropane	41	7.955	7.955	(1.261)	26940	50.0000	48.413
103 Cyclohexanone	55	9.895	9.895	(0.958)	29925	250.000	246.70(A)
146 2-Methylnaphthalene	142	12.309	12.309	(1.191)	889407	250.000	233.15(A)

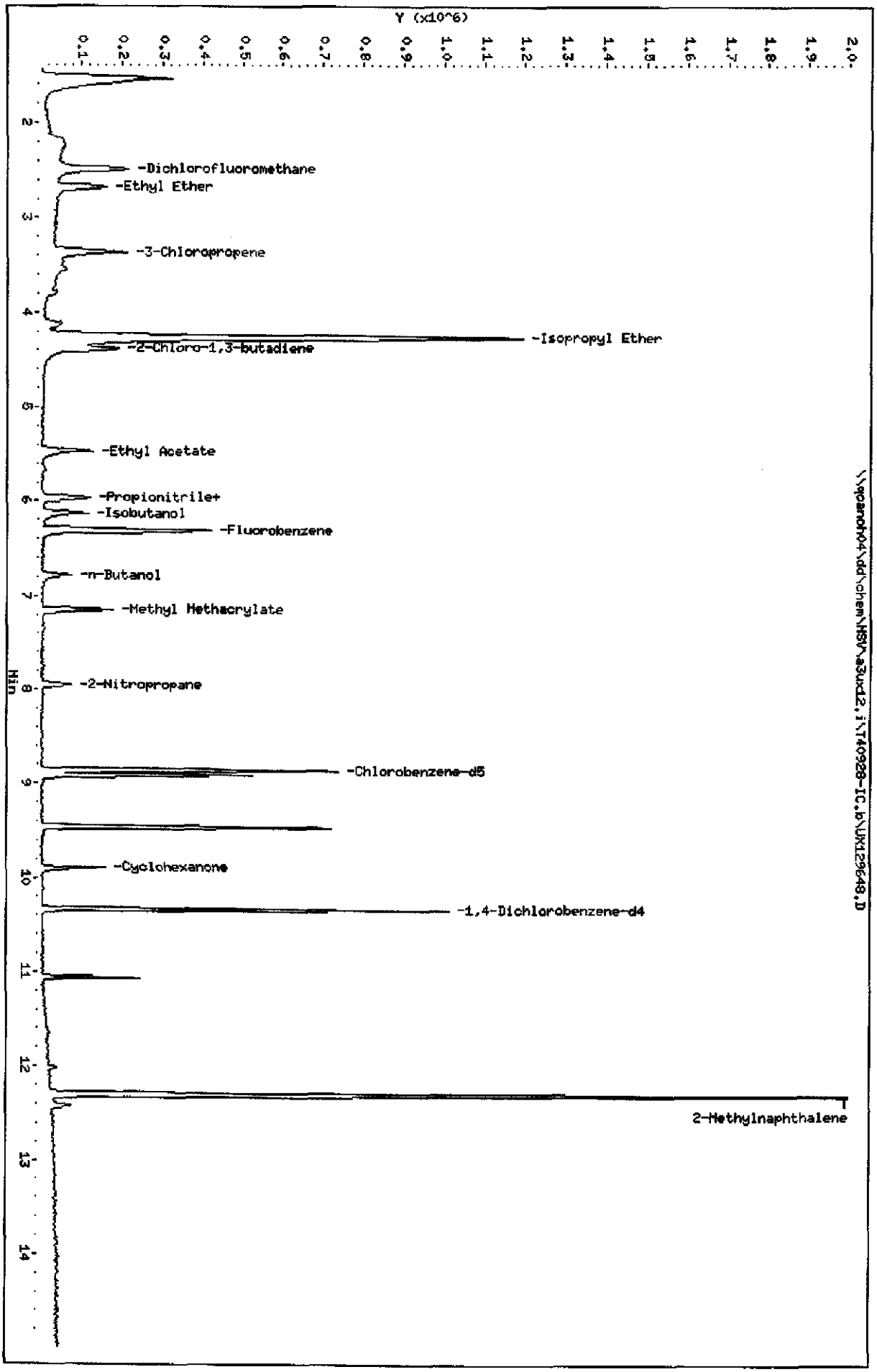
Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129647.D
Report Date: 29-Sep-2004 17:24

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129648.D
Date : 29-SEP-2004 01:11
Client ID:
Sample Info: 50NG-A9-IC
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129648.D
Report Date: 29-Sep-2004 17:25

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129648.D
Lab Smp Id: 50NG-A9-IC
Inj Date : 29-SEP-2004 01:11
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 50NG-A9-IC
Misc Info : T40928-IC,8260MIUX12,3-IX.SUB,1903,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\8260MIUX12.m
Meth Date : 29-Sep-2004 17:24 laveyt Quant Type: ISTD
Cal Date : 28-SEP-2004 23:58 Cal File: UX129645.D
Als bottle: 13 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV04

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	6.310	6.310	(1.000)	485377	50.0000	
* 2 Chlorobenzene-d5	117	8.866	8.866	(1.000)	432380	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.333	10.333	(1.000)	237325	50.0000	
14 Dichlorofluoromethane	67	2.488	2.488	(0.394)	353444	50.0000	48.542
89 Ethyl Ether	59	2.677	2.677	(0.424)	126772	50.0000	50.462
91 3-Chloropropene	76	3.363	3.363	(0.533)	73642	50.0000	47.723
92 Isopropyl Ether	87	4.263	4.263	(0.676)	524683	250.000	254.32(A)
93 2-Chloro-1,3-butadiene	53	4.381	4.381	(0.694)	165908	50.0000	51.350
94 Propionitrile	54	5.955	5.955	(0.944)	33305	100.000	105.47
95 Ethyl Acetate	43	5.470	5.470	(0.867)	223252	100.000	91.885
96 Methacrylonitrile	41	5.967	5.967	(0.946)	71308	50.0000	46.946
97 Isobutanol	41	6.132	6.132	(0.692)	86322	1000.00	972.19(A)
99 n-Butanol	56	6.783	6.783	(0.765)	61426	1000.00	1042.0(A)
100 Methyl Methacrylate	41	7.150	7.150	(1.133)	100118	50.0000	46.280
101 2-Nitropropane	41	7.955	7.955	(1.261)	48785	100.000	89.284
103 Cyclohexanone	55	9.895	9.895	(0.958)	57855	500.000	490.70(A)
146 2-Methylnaphthalene	142	12.309	12.309	(1.191)	2142853	500.000	456.01(A)

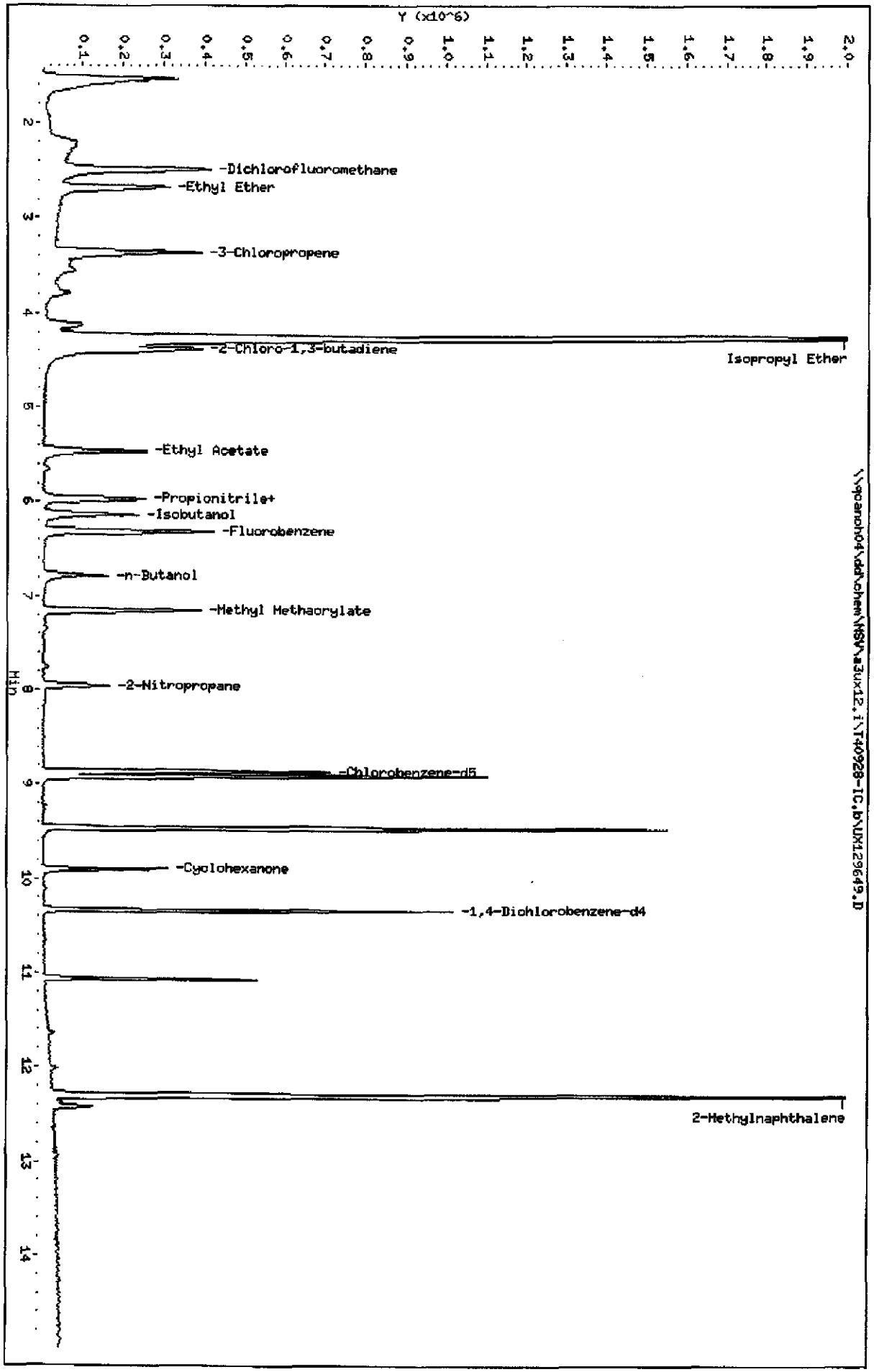
Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129648.D
Report Date: 29-Sep-2004 17:25

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129649.D
Date : 29-SEP-2004 01:36
Client ID:
Sample Info: 100NG-89-IC
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129649.D
Report Date: 29-Sep-2004 17:25

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129649.D
Lab Smp Id: 100NG-A9-IC
Inj Date : 29-SEP-2004 01:36
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 100NG-A9-IC
Misc Info : T40928-IC,8260MIUX12,3-IX.SUB,1903,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\8260MIUX12.m
Meth Date : 29-Sep-2004 17:25 laveyt Quant Type: ISTD
Cal Date : 28-SEP-2004 23:58 Cal File: UX129645.D
Als bottle: 14 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV04

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	6.310	6.310	(1.000)	491262	50.0000	
* 2 Chlorobenzene-d5	117	8.866	8.866	(1.000)	427181	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.333	10.333	(1.000)	229625	50.0000	
14 Dichlorofluoromethane	67	2.488	2.488	(0.394)	747342	100.000	101.41
89 Ethyl Ether	59	2.677	2.677	(0.424)	265133	100.000	104.27
91 3-Chloropropene	76	3.363	3.363	(0.533)	161831	100.000	103.62
92 Isopropyl Ether	87	4.263	4.263	(0.676)	1112218	500.000	532.66(A)
93 2-Chloro-1,3-butadiene	53	4.381	4.381	(0.694)	347493	100.000	106.26
94 Propionitrile	54	5.955	5.955	(0.944)	68476	200.000	214.26(A)
95 Ethyl Acetate	43	5.458	5.458	(0.865)	467451	200.000	190.08
96 Methacrylonitrile	41	5.967	5.967	(0.946)	149350	100.000	97.148
97 Isobutanol	41	6.132	6.132	(0.692)	166392	2000.00	1896.8(A)
99 n-Butanol	56	6.783	6.783	(0.765)	131025	2000.00	2249.6(A)
100 Methyl Methacrylate	41	7.150	7.150	(1.133)	209299	100.000	95.590
101 2-Nitropropane	41	7.955	7.955	(1.261)	111460	200.000	201.54(A)
103 Cyclohexanone	55	9.895	9.895	(0.958)	113331	1000.00	1012.9(A)
146 2-Methylnaphthalene	142	12.309	12.309	(1.191)	4579247	1000.00	919.08(A)

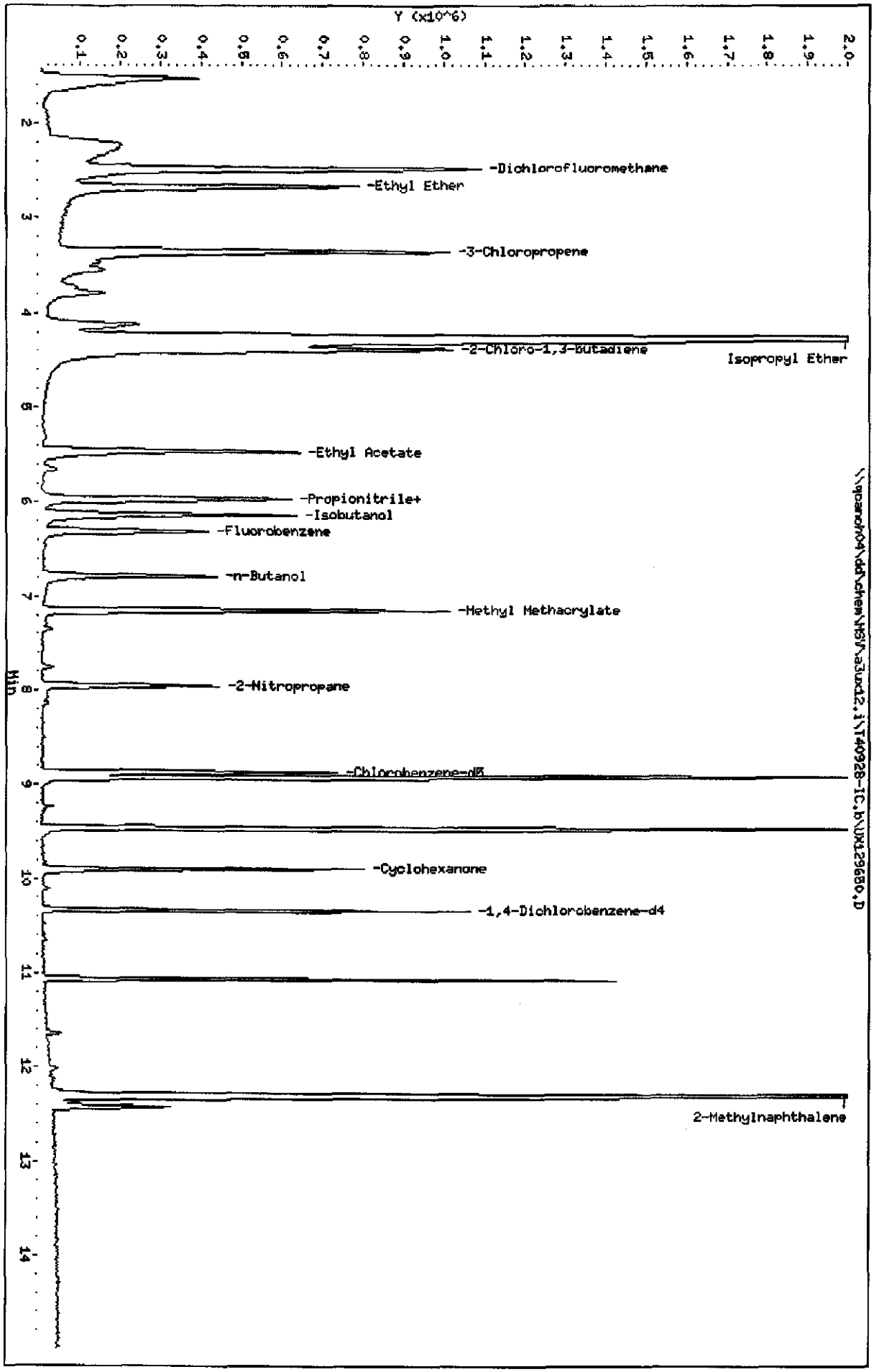
Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129649.D
Report Date: 29-Sep-2004 17:25

QC Flag Legend

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

Data File: \\qcanon04\dd\chem\HSV\a3uxd2.i\T40928-IC.b\UX129650.D
Date : 29-SEP-2004 02:00
Client ID:
Sample Info: 250NG-49-IC
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3uxd2.i
Operator: 1903
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129650.D
Report Date: 29-Sep-2004 17:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129650.D
Lab Smp Id: 250NG-A9-IC
Inj Date : 29-SEP-2004 02:00
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 250NG-A9-IC
Misc Info : T40928-IC,8260MIUX12,3-IX.SUB,1903,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\8260MIUX12.m
Meth Date : 29-Sep-2004 17:26 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 02:00 Cal File: UX129650.D
Als bottle: 15 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: CANPMSV04

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	6.310	6.310	(1.000)	497162	50.0000	
* 2 Chlorobenzene-d5	117	8.866	8.866	(1.000)	436529	50.0000	(H)
* 3 1,4-Dichlorobenzene-d4	152	10.333	10.333	(1.000)	246764	50.0000	
14 Dichlorofluoromethane	67	2.476	2.476	(0.392)	2090119	250.000	280.25(A)
89 Ethyl Ether	59	2.665	2.665	(0.422)	723124	250.000	281.02(A)
91 3-Chloropropene	76	3.351	3.351	(0.531)	427646	250.000	270.56(A)
92 Isopropyl Ether	87	4.263	4.263	(0.676)	2843643	1250.00	1345.7(A)
93 2-Chloro-1,3-butadiene	53	4.381	4.381	(0.694)	891710	250.000	269.45(A)
94 Propionitrile	54	5.955	5.955	(0.944)	170441	500.000	526.97(A)
95 Ethyl Acetate	43	5.458	5.458	(0.865)	1166389	500.000	468.68(A)
96 Methacrylonitrile	41	5.966	5.966	(0.946)	376027	250.000	241.69(A)
97 Isobutanol	41	6.132	6.132	(0.688)	424192	5000.00	4732.0(A)
99 n-Butanol	56	6.783	6.783	(0.761)	350792	5000.00	5893.9(A)
100 Methyl Methacrylate	41	7.150	7.150	(1.133)	545042	250.000	245.97(A)
101 2-Nitropropane	41	7.954	7.954	(1.261)	281739	500.000	503.40(A)
103 Cyclohexanone	55	9.895	9.895	(0.958)	296923	2500.00	2496.8(A)
146 2-Methylnaphthalene	142	12.309	12.309	(1.191)	14318502	2500.00	2535.0(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\UX129650.D
Report Date: 29-Sep-2004 17:26

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120221.D
Report Date: 20-Oct-2004 19:10

STL North Canton

RECOVERY REPORT

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

Client SDG: SDGa00878
Fraction: VOA

Operator: 1903
SampleType: METHSPIKE
Quant Type: ISTD

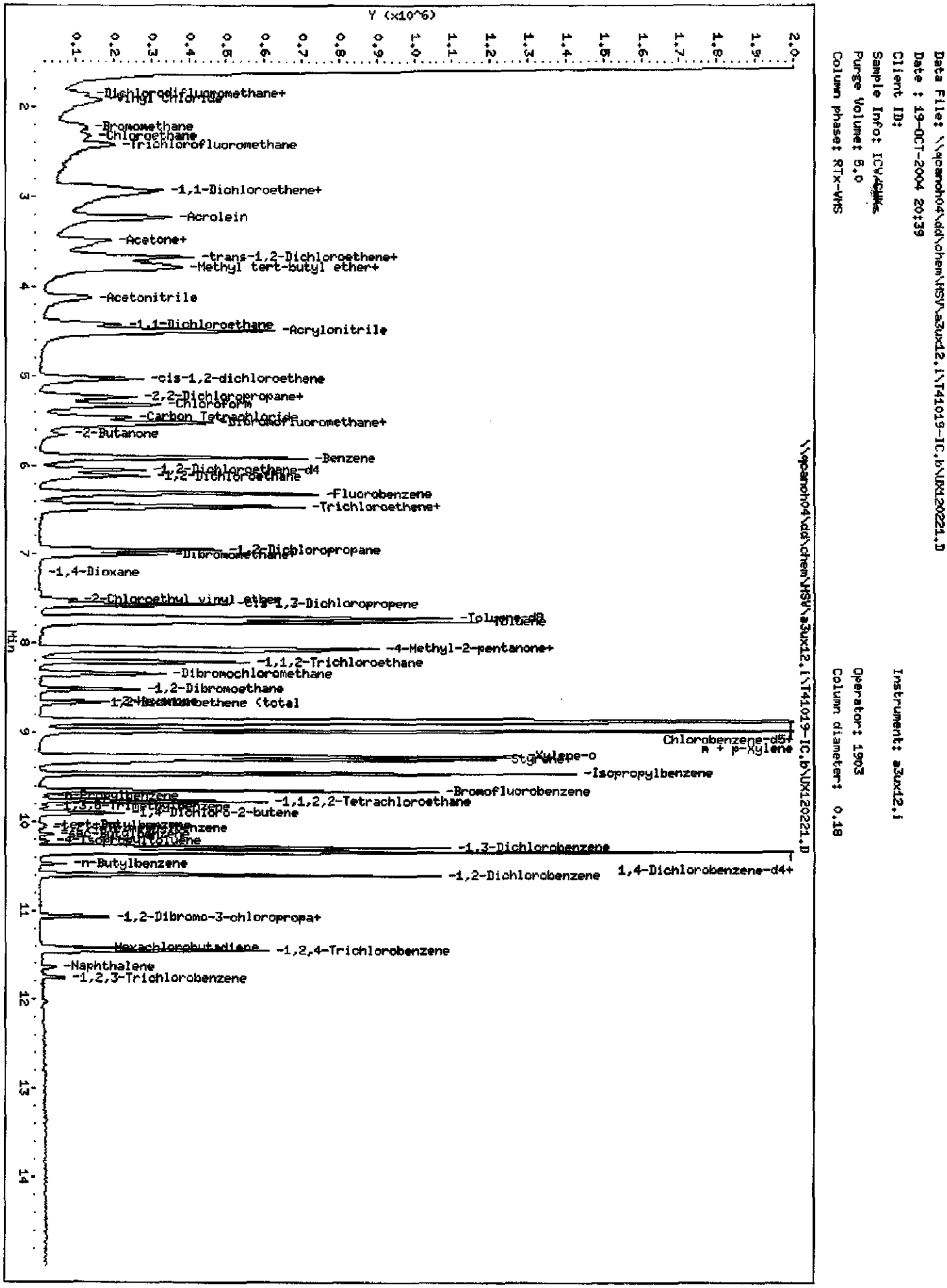
Method File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
Misc Info: T41019-IC,8260MIUX12,2-8260.SUB,1903,3

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	9.639	96.39	45-155
	42 Trichloroethene	10.000	9.494	94.94	45-155
	59 Chlorobenzene	10.000	9.932	99.32	45-155
	50 Toluene	10.000	10.233	102.33	45-155
	41 Benzene	10.000	9.648	96.48	45-155
	16 Acetone	10.000	5.115	51.15	45-155
	20 Carbon Disulfide	10.000	9.126	91.26	45-155
	9 Chloromethane	10.000	8.296	82.96	45-155
	11 Bromomethane	10.000	7.976	79.76	45-155
	10 Vinyl Chloride	10.000	9.008	90.08	45-155
	12 Chloroethane	10.000	8.486	84.86	45-155
	21 Methylene Chloride	10.000	9.787	97.87	45-155
	28 1,1-Dichloroethane	10.000	9.821	98.21	45-155
M	31 1,2-Dichloroethene	20.000	19.923	99.61	45-155
	35 Chloroform	10.000	9.374	93.74	45-155
	40 1,2-Dichloroethane	10.000	9.200	92.00	45-155
	30 2-Butanone	10.000	6.291	62.91	45-155
	37 1,1,1-Trichloroeth	10.000	9.640	96.40	45-155
	39 Carbon Tetrachlori	10.000	8.750	87.50	45-155
	46 Bromodichlorometha	10.000	9.775	97.75	45-155
	43 1,2-Dichloropropan	10.000	9.421	94.21	45-155
	48 cis-1,3-Dichloropr	10.000	9.605	96.05	45-155
	57 Dibromochlorometha	10.000	9.848	98.48	45-155
	53 1,1,2-Trichloroeth	10.000	9.572	95.72	45-155
	51 trans-1,3-Dichloro	10.000	9.299	92.99	45-155
	66 Bromoform	10.000	8.684	86.84	45-155
	49 4-Methyl-2-pentano	10.000	7.927	79.27	45-155
	56 2-Hexanone	10.000	5.942	59.42	45-155
	55 Tetrachloroethene	10.000	9.199	91.99	45-155
	68 1,1,2,2-Tetrachlor	10.000	9.493	94.93	45-155
	61 Ethylbenzene	10.000	10.089	100.89	45-155
	65 Styrene	10.000	9.242	92.42	45-155
M	63 Xylenes (total)	30.000	28.634	95.45	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120221.D
Report Date: 20-Oct-2004 19:10

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
32 cis-1,2-dichloroet	10.000	9.956	99.56	45-155
25 trans-1,2-Dichloro	10.000	9.967	99.67	45-155
8 Dichlorodifluorome	10.000	7.922	79.22	45-155
13 Trichlorofluoromet	10.000	7.926	79.26	45-155
18 Freon-113	10.000	9.320	93.20	45-155
24 Methyl tert-butyl	10.000	9.832	98.32	45-155
58 1,2-Dibromoethane	10.000	9.186	91.86	45-155
67 Isopropylbenzene	10.000	9.402	94.02	45-155
80 1,3-Dichlorobenzen	10.000	9.453	94.53	45-155
81 1,4-Dichlorobenzen	10.000	9.832	98.32	45-155
83 1,2-Dichlorobenzen	10.000	9.822	98.22	45-155
84 1,2-Dibromo-3-chlo	10.000	8.468	84.68	45-155
85 1,2,4-Trichloroben	10.000	9.055	90.55	45-155
98 Cyclohexane	10.000	7.699	76.99	45-155
143 Methyl Acetate	10.000	4.681	46.81	45-155
144 Methylcyclohexane	10.000	7.287	72.87	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.853	98.53	73-122
$ 5 1,2-Dichloroethane	10.000	9.897	98.97	61-128
$ 6 Toluene-d8	10.000	10.490	104.90	76-110
$ 7 Bromofluorobenzene	10.000	10.143	101.43	74-116


Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120221.D
Date : 19-OCT-2004 20:39
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: RTx-VMS
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
Y (x10^6)
Min
Dichlorodifluoromethane+
Vinyl chloride
Bromomethane
Chloroethane
Trichlorofluoromethane
1,1-Dichloroethene+
Acrolein
Acetone+
trans-1,2-Dichloroethene+
Methyl tert-butyl ether+
Acetonitrile
1,1-Dichloroethane
Acrylonitrile
cis-1,2-dichloroethene
2,2-Dichloropropane+
Chloroform
Carbon Tetrachloride
Bromochloromethane+
2-Butanone
Benzene
1,2-Dichloroethane-d4
1,2-Dichloroethane
Fluorobenzene
Trichloroethene+
1,2-Dichloropropane
Dibromomethane
1,4-Dioxane
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
Toluene-d8
Toluene
4-Methyl-2-pentanone+
1,1,2-Trichloroethane
Dibromochloromethane
1,2-Dibromoethane
1,2-Dichloroethene (total
Chlorobenzene-d5+
m + p-Xylene
Xylene-o
Styrene+
Isopropylbenzene
Bromofluorobenzene
n-Propylbenzene
1,1,2,2-Tetrachloroethane
1,3,5-Trimethylbenzene
1,4-Dichloro-2-butene
tert-Butylbenzene
1,2,4-Trimethylbenzene
4-Isopropyltoluene
1,3-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-Dibromo-3-chloropropa+
Hexachlorobutadiene
1,2,4-Trichlorobenzene
Naphthalene
1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120221.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120221.D
Report Date: 20-Oct-2004 19:10

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120221.D
Lab Smp Id: ICV/CHK
Inj Date : 19-OCT-2004 20:39
Operator : 1903 Inst ID: a3ux12.i
Smp Info : ICV/CHK
Misc Info : T41019-IC,8260MIUX12,2-8260.SUB,1903,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41019-IC.b\8260MIUX12.m
Meth Date : 20-Oct-2004 19:07 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 02:00 Cal File: UX129650.D
Als bottle: 8 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV04

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	6.315	6.315	(1.000)	851176	50.0000	
* 2 Chlorobenzene-d5	117	8.859	8.859	(1.000)	687483	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.338	10.338	(1.000)	340881	50.0000	
$ 4 Dibromofluoromethane	113	5.510	5.511	(0.873)	190056	49.2674	9.853
$ 5 1,2-Dichloroethane-d4	65	6.043	6.043	(0.957)	288983	49.4851	9.897
$ 6 Toluene-d8	98	7.711	7.712	(0.870)	756529	52.4509	10.490
$ 7 Bromofluorobenzene	95	9.652	9.652	(1.089)	302977	50.7174	10.143
8 Dichlorodifluoromethane	85	1.665	1.665	(0.264)	222487	39.6117	7.922
9 Chloromethane	50	1.854	1.854	(0.294)	373301	41.4810	8.296
10 Vinyl Chloride	62	1.925	1.914	(0.305)	316046	45.0379	9.008
11 Bromomethane	94	2.209	2.209	(0.350)	178979	39.8791	7.976
12 Chloroethane	64	2.327	2.316	(0.369)	230543	42.4312	8.486
13 Trichlorofluoromethane	101	2.422	2.411	(0.384)	331432	39.6318	7.926
15 Acrolein	56	3.227	3.215	(0.511)	572377	619.825	123.96
16 Acetone	43	3.558	3.535	(0.563)	83213	25.5737	5.115
17 1,1-Dichloroethene	61	2.883	2.884	(0.457)	417684	48.1952	9.639
18 Freon-113	101	2.943	2.919	(0.466)	218232	46.5999	9.320

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120221.D
Report Date: 20-Oct-2004 19:10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	3.073	3.050	(0.487)	7384	5.82017	1.164
	20 Carbon Disulfide	76	2.931	2.931	(0.464)	848039	45.6280	9.126
	21 Methylene Chloride	84	3.487	3.487	(0.552)	260070	48.9352	9.787
	22 Acetonitrile	41	4.114	4.115	(0.652)	438951	428.548	85.710
	23 Acrylonitrile	53	4.493	4.493	(0.711)	919875	463.553	92.711
	24 Methyl tert-butyl ether	73	3.795	3.783	(0.601)	590991	49.1579	9.832
	25 trans-1,2-Dichloroethene	96	3.664	3.665	(0.580)	231734	49.8360	9.967
	26 Hexane	57	3.759	3.736	(0.595)	329963	40.3919	8.078
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	4.422	4.410	(0.700)	384388	49.1032	9.821
	29 tert-Butyl Alcohol	59	3.676	3.913	(0.582)	30760	62.0893	12.418
	30 2-Butanone	43	5.652	5.653	(0.895)	110704	31.4554	6.291
M	31 1,2-Dichloroethene (total)	96				434545	99.6166	19.923
	32 cis-1,2-dichloroethene	96	5.037	5.026	(0.798)	202811	49.7807	9.956
	33 2,2-Dichloropropane	77	5.226	5.144	(0.828)	3667	0.88905	0.1778
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	5.321	5.322	(0.843)	365356	46.8703	9.374
	36 Tetrahydrofuran	42	5.499	5.487	(0.871)	18949	1.99131	0.3983
	37 1,1,1-Trichloroethane	97	5.534	5.535	(0.876)	294358	48.2011	9.640
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	5.463	5.464	(0.865)	268634	43.7484	8.750
	40 1,2-Dichloroethane	62	6.114	6.114	(0.968)	311320	45.9981	9.200
	41 Benzene	78	5.913	5.913	(0.936)	852319	48.2405	9.648
	42 Trichloroethene	130	6.469	6.469	(1.024)	208338	47.4687	9.494
	43 1,2-Dichloropropane	63	6.954	6.954	(1.101)	202249	47.1036	9.421
	44 1,4-Dioxane	88	7.191	7.191	(1.139)	3028	362.482	72.496(A)
	45 Dibromomethane	93	7.001	6.860	(1.109)	6894	2.75777	0.5516
	46 Bromodichloromethane	83	7.001	7.002	(1.109)	264386	48.8737	9.775
	47 2-Chloroethyl vinyl ether	63	7.510	7.511	(1.189)	45077	42.2262	8.445
	48 cis-1,3-Dichloropropene	75	7.557	7.558	(1.197)	308166	48.0269	9.605
	49 4-Methyl-2-pentanone	43	8.054	8.055	(1.275)	201849	39.6373	7.927
	50 Toluene	91	7.759	7.759	(0.876)	883302	51.1670	10.233
	51 trans-1,3-Dichloropropene	75	8.078	8.079	(0.912)	313012	46.4950	9.299
	52 Ethyl Methacrylate	69	8.054	8.196	(0.909)	2312	7.33390	1.467
	53 1,1,2-Trichloroethane	97	8.208	8.209	(0.927)	180710	47.8590	9.572
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	8.054	8.055	(0.909)	141170	45.9973	9.199
	56 2-Hexanone	43	8.658	8.657	(0.977)	132745	29.7078	5.942
	57 Dibromochloromethane	129	8.338	8.339	(0.941)	176715	49.2389	9.848
	58 1,2-Dibromoethane	107	8.516	8.516	(0.961)	169252	45.9306	9.186
	59 Chlorobenzene	112	8.871	8.871	(1.001)	595188	49.6597	9.932
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	8.883	8.883	(1.003)	286482	50.4467	10.089
	62 m + p-Xylene	106	8.977	8.978	(1.013)	721995	94.7311	18.946
M	63 Xylenes (total)	106				1065968	143.168	28.634
	64 Xylene-o	106	9.273	9.274	(1.047)	343973	48.4371	9.687
	65 Styrene	104	9.297	9.297	(1.049)	574168	46.2102	9.242

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\UX120221.D
Report Date: 20-Oct-2004 19:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	9.332	9.333	(1.053)	117865	43.4218	8.684
67 Isopropylbenzene	105	9.463	9.463	(1.068)	779768	47.0101	9.402
68 1,1,2,2-Tetrachloroethane	83	9.770	9.771	(0.945)	250693	47.4645	9.493
69 1,4-Dichloro-2-butene	53	9.900	9.877	(0.958)	5041	7.34389	1.469
70 1,2,3-Trichloropropane	110	Compound Not Detected.					
71 Bromobenzene	156	Compound Not Detected.					
72 n-Propylbenzene	120	9.723	9.723	(0.940)	2440	3.90023	0.7800
73 2-Chlorotoluene	126	Compound Not Detected.					
74 1,3,5-Trimethylbenzene	105	9.841	9.842	(0.952)	6332	4.84822	0.9696
75 4-Chlorotoluene	126	Compound Not Detected.					
76 tert-Butylbenzene	119	10.042	10.043	(0.971)	10221	5.29263	1.058
77 1,2,4-Trimethylbenzene	105	10.078	10.078	(0.975)	6436	4.55876	0.9118
78 sec-Butylbenzene	105	10.149	10.149	(0.982)	21388	6.12519	1.225
79 4-Isopropyltoluene	119	10.220	10.220	(0.989)	15072	6.64783	1.330
80 1,3-Dichlorobenzene	146	10.291	10.291	(0.995)	385364	47.2649	9.453
81 1,4-Dichlorobenzene	146	10.338	10.339	(1.000)	442365	49.1597	9.832
82 n-Butylbenzene	91	10.480	10.481	(1.014)	33256	9.14433	1.829
83 1,2-Dichlorobenzene	146	10.599	10.599	(1.025)	394842	49.1084	9.822
84 1,2-Dibromo-3-chloropropane	157	11.072	11.072	(1.071)	35042	42.3393	8.468
85 1,2,4-Trichlorobenzene	180	11.450	11.451	(1.108)	151923	45.2765	9.055
86 Hexachlorobutadiene	225	11.415	11.415	(1.104)	22318	15.4196	3.084
87 Naphthalene	128	11.640	11.640	(1.126)	29171	10.6134	2.123
88 1,2,3-Trichlorobenzene	180	11.758	11.759	(1.137)	17885	6.48103	1.296
98 Cyclohexane	56	5.238	5.239	(0.829)	255653	38.4931	7.699
143 Methyl Acetate	43	3.688	3.677	(0.584)	208176	23.4030	4.681
144 Methylcyclohexane	83	6.445	6.446	(1.021)	168873	36.4369	7.287
141 1,3,5-Trichlorobenzene	180	11.084	11.072	(1.072)	17679	4.59743	0.9195

QC Flag Legend

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

Report Date: 08-Nov-2004 16:56

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m
Start Cal Date: 28-SEP-2004 20:05
End Cal Date : 19-OCT-2004 20:14
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.500		
28-SEP-2004 23:58	3-IX	UX129645.D
19-OCT-2004 18:07	2-8260	UX120215.D
Cal Level: 2 , Cal Amount: 10.000		
29-SEP-2004 00:22	3-IX	UX129646.D
19-OCT-2004 18:32	2-8260	UX120216.D
Cal Level: 3 , Cal Amount: 25.000		
29-SEP-2004 00:47	3-IX	UX129647.D
19-OCT-2004 18:58	2-8260	UX120217.D
Cal Level: 4 , Cal Amount: 50.000		
29-SEP-2004 01:11	3-IX	UX129648.D
19-OCT-2004 19:23	2-8260	UX120218.D
Cal Level: 5 , Cal Amount: 100.00		
29-SEP-2004 01:36	3-IX	UX129649.D
19-OCT-2004 19:49	2-8260	UX120219.D
Cal Level: 6 , Cal Amount: 250.00		
29-SEP-2004 02:00	3-IX	UX129650.D
19-OCT-2004 20:14	2-8260	UX120220.D

Continuing Calibration

08-NOV-2004 15:36	2-8260	UX120830.D
08-NOV-2004 16:01	3-IX	UX120831.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b/UX120830.D
Report Date: 11/08/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux12.i
Lab File ID: UX120830.D
Analysis Type: WATER

Injection Date: 08-NOV-2004 15:36
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Chlorobenzene	50.0000	48.7050	2.6	50.0
0 Bromodichloromethane	50.0000	55.9106	11.8	50.0
0 1,1,2,2-Tetrachloroethane	50.0000	40.5675	18.9	50.0
0 Bromoform	50.0000	49.9775	0.0	50.0
0 Styrene	50.0000	49.1664	1.7	50.0
0 Xylene-o	50.0000	49.1073	1.8	50.0
0 Xylenes (total)	150.0000	145.0823	3.3	50.0
0 2-Hexanone	100.0000	111.9588	12.0	50.0
0 Chloromethane	50.0000	49.3934	1.2	50.0
0 Vinyl Chloride	50.0000	53.7034	7.4	20.0
0 Bromomethane	50.0000	45.6158	8.8	50.0
0 Chloroethane	50.0000	50.2943	0.6	50.0
0 1,1-Dichloroethane	50.0000	52.5393	5.1	50.0
0 Tetrachloroethene	50.0000	50.0635	0.1	50.0
0 Acetone	100.0000	106.0763	6.1	50.0
0 1,1-Dichloroethene	50.0000	52.4054	4.8	20.0
0 m + p-Xylene	100.0000	95.9750	4.0	50.0
0 Ethylbenzene	50.0000	51.2598	2.5	20.0
0 Carbon Disulfide	50.0000	43.2812	13.4	50.0
0 Methylene Chloride	50.0000	49.0403	1.9	50.0
0 1,2-Dichloropropane	50.0000	52.0482	4.1	20.0
0 1,1,2-Trichloroethane	50.0000	48.9690	2.1	50.0
0 Dibromochloromethane	50.0000	54.5624	9.1	50.0
0 trans-1,2-Dichloroethene	50.0000	47.1769	5.6	50.0
0 trans-1,3-Dichloropropene	50.0000	52.2630	4.5	50.0
0 cis-1,3-Dichloropropene	50.0000	57.4335	14.9	50.0
0 Chloroform	50.0000	52.4330	4.9	20.0
0 Toluene	50.0000	50.8603	1.7	20.0
0 2-Butanone	100.0000	103.5737	3.6	50.0
0 1,2-Dichloroethene (total)	100.0000	97.4266	2.6	50.0
0 cis-1,2-dichloroethene	50.0000	50.2497	0.5	50.0
0 4-Methyl-2-pentanone	100.0000	104.5323	4.5	50.0
0 1,2-Dichloroethane	50.0000	55.3664	10.7	50.0
0 Trichloroethene	50.0000	49.3144	1.4	50.0
0 1,1,1-Trichloroethane	50.0000	57.2307	14.5	50.0
0 Carbon Tetrachloride	50.0000	55.0666	10.1	50.0
0 Benzene	50.0000	49.1128	1.8	50.0
38 Dichlorodifluoromethane	50.0000	52.5960	5.2	50.0
39 Trichlorofluoromethane	50.0000	53.7204	7.4	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b/UX120830.D
Report Date: 11/08/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux12.i
Lab File ID: UX120830.D
Analysis Type: WATER

Injection Date: 08-NOV-2004 15:36
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux12.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
40 Acrolein	500.0000	426.5841	14.7	50.0
41 Acrylonitrile	500.0000	504.6211	0.9	50.0
42 Vinyl acetate	50.0000	53.9695	7.9	50.0
43 2-Chloroethyl vinyl ether	100.0000	130.2768	30.3	50.0
47 Freon-113	50.0000	41.7042	16.6	50.0
48 1,3-Dichlorobenzene	50.0000	47.1627	5.7	50.0
49 1,4-Dichlorobenzene	50.0000	45.3535	9.3	50.0
50 1,2-Dichlorobenzene	50.0000	48.5885	2.8	50.0
51 Acetonitrile	500.0000	459.9637	8.0	50.0
52 Iodomethane	50.0000	46.8623	6.3	50.0
59 1,4-Dioxane	2500.0000	2122.8228	15.1	50.0
60 Dibromomethane	50.0000	50.4949	1.0	50.0
62 Ethyl Methacrylate	50.0000	47.2827	5.4	50.0
63 1,2-Dibromoethane	50.0000	51.0652	2.1	50.0
64 1,1,1,2-Tetrachloroethane	50.0000	54.6952	9.4	50.0
65 1,2,3-Trichloropropane	50.0000	42.7222	14.6	50.0
66 1,4-Dichloro-2-butene	50.0000	42.3104	15.4	50.0
69 1,2-Dibromo-3-chloropropane	50.0000	38.9948	22.0	50.0
82 Methyl tert-butyl ether	50.0000	61.1449	22.3	50.0
84 Tetrahydrofuran	50.0000	58.1667	16.3	50.0
98 2,2-Dichloropropane	50.0000	57.2776	14.6	50.0
99 1,1-Dichloropropene	50.0000	54.5113	9.0	50.0
100 1,3-Dichloropropane	50.0000	50.7529	1.5	50.0
102 Bromobenzene	50.0000	46.8720	6.3	50.0
103 2-Chlorotoluene	50.0000	45.4475	9.1	50.0
104 n-Propylbenzene	50.0000	43.3243	13.4	50.0
105 4-Chlorotoluene	50.0000	45.8113	8.4	50.0
106 1,3,5-Trimethylbenzene	50.0000	43.3233	13.4	50.0
107 tert-Butylbenzene	50.0000	43.9736	12.1	50.0
108 1,2,4-Trimethylbenzene	50.0000	44.9088	10.2	50.0
109 sec-Butylbenzene	50.0000	44.3700	11.3	50.0
110 4-Isopropyltoluene	50.0000	45.4303	9.1	50.0
111 n-Butylbenzene	50.0000	46.6705	6.7	50.0
112 1,2,4-Trichlorobenzene	50.0000	43.4211	13.2	50.0
113 Naphthalene	50.0000	32.8781	34.2	50.0
114 Hexachlorobutadiene	50.0000	55.1658	10.3	50.0
115 1,2,3-Trichlorobenzene	50.0000	30.4014	39.2	50.0
124 tert-Butyl Alcohol	1000.0000	1090.4461	9.0	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b/UX120830.D
Report Date: 11/08/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux12.i
Lab File ID: UX120830.D
Analysis Type: WATER

Injection Date: 08-NOV-2004 15:36
Lab Sample ID: 50NG-CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux12.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
125 Hexane	50.0000	52.6914	5.4	20.0
127 Cyclohexane	50.0000	42.7225	14.6	50.0
128 Isopropylbenzene	50.0000	46.1705	7.7	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	50.6030	1.2	50.0
141 1,3,5-Trichlorobenzene	50.0000	55.2591	10.5	50.0
143 Methyl Acetate	100.0000	95.8201	4.2	50.0
144 Methylcyclohexane	50.0000	46.0628	7.9	50.0
22 Toluene-d8	50.0000	54.2056	8.4	50.0
32 Bromofluorobenzene	50.0000	53.9324	7.9	50.0
47 1,2-Dichloroethane-d4	50.0000	60.3896	20.8	50.0
131 Dibromofluoromethane	50.0000	54.4058	8.8	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120830.D
Report Date: 08-Nov-2004 16:51

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux12.i Injection Date: 08-NOV-2004 15:36
Lab File ID: UX120830.D Init. Cal. Date(s): 28-SEP-2004 19-OCT-2004
Analysis Type: WATER Init. Cal. Times: 20:05 20:14
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
$	4 Dibromofluoromethane	0.22661	0.24657	0.010	8.8	50.0
$	5 1,2-Dichloroethane-d4	0.34304	0.41432	0.010	20.8	50.0
$	6 Toluene-d8	1.04901	1.13725	0.010	8.4	50.0
$	7 Bromofluorobenzene	0.43447	0.46864	0.010	7.9	50.0
	8 Dichlorodifluoromethane	0.32994	0.34707	0.010	5.2	50.0
	9 Chloromethane	0.52864	0.52223	0.100	-1.2	50.0
	10 Vinyl Chloride	0.41221	0.44275	0.010	7.4	20.0
	11 Bromomethane	0.26364	0.24052	0.010	-8.8	50.0
	12 Chloroethane	0.31917	0.32105	0.010	0.6	50.0
	13 Trichlorofluoromethane	50.00000	53.72037	0.010	-7.4	50.0
	15 Acrolein	0.05425	0.04628	0.010	-14.7	50.0
	16 Acetone	0.19114	0.20275	0.010	6.1	50.0
	17 1,1-Dichloroethene	0.50909	0.53358	0.010	4.8	20.0
	18 Freon-113	50.00000	41.70420	0.010	16.6	50.0
	19 Iodomethane	50.00000	46.86230	0.010	6.3	50.0
	20 Carbon Disulfide	1.09178	0.94507	0.010	-13.4	50.0
	21 Methylene Chloride	0.31219	0.30620	0.010	-1.9	50.0
	22 Acetonitrile	0.06017	0.05535	0.010	-8.0	50.0
	23 Acrylonitrile	0.11657	0.11765	0.010	0.9	50.0
	24 Methyl tert-butyl ether	0.70622	0.86363	0.010	22.3	50.0
	25 trans-1,2-Dichloroethene	0.27315	0.25773	0.010	-5.6	50.0
	26 Hexane	0.47987	0.50570	0.010	5.4	20.0
	27 Vinyl acetate	0.53384	0.57622	0.010	7.9	50.0
	28 1,1-Dichloroethane	0.45984	0.48320	0.100	5.1	50.0
	29 tert-Butyl Alcohol	0.02910	0.03173	0.010	9.0	50.0
	30 2-Butanone	0.20674	0.21413	0.010	3.6	50.0
M	31 1,2-Dichloroethene (total)	0.25623	0.24912	0.010	-2.8	50.0
	32 cis-1,2-dichloroethene	0.23932	0.24052	0.010	0.5	50.0
	33 2,2-Dichloropropane	0.24229	0.27756	0.010	14.6	50.0
	34 Bromochloromethane	0.12250	0.12398	0.010	1.2	50.0
	35 Chloroform	0.45790	0.48018	0.010	4.9	20.0
	36 Tetrahydrofuran	50.00000	58.16674	0.010	-16.3	50.0
	37 1,1,1-Trichloroethane	0.35873	0.41061	0.010	14.5	50.0
	38 1,1-Dichloropropene	0.31973	0.34857	0.010	9.0	50.0
	39 Carbon Tetrachloride	0.36070	0.39725	0.010	10.1	50.0
	40 1,2-Dichloroethane	0.39757	0.44024	0.010	10.7	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120830.D
Report Date: 08-Nov-2004 16:51

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux12.i Injection Date: 08-NOV-2004 15:36
Lab File ID: UX120830.D Init. Cal. Date(s): 28-SEP-2004 19-OCT-2004
Analysis Type: WATER Init. Cal. Times: 20:05 20:14
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
	41 Benzene	1.03786	1.01945	0.010	-1.8	50.0
	42 Trichloroethene	0.25782	0.25428	0.010	-1.4	50.0
	43 1,2-Dichloropropane	0.25222	0.26255	0.010	4.1	20.0
	44 1,4-Dioxane	2500	2123	0.010	15.1	50.0
	45 Dibromomethane	0.14685	0.14830	0.010	1.0	50.0
	46 Bromodichloromethane	0.31777	0.35534	0.010	11.8	50.0
	47 2-Chloroethyl vinyl ether	100	130	0.010	-30.3	50.0
	48 cis-1,3-Dichloropropene	0.37692	0.43296	0.010	14.9	50.0
	49 4-Methyl-2-pentanone	100	105	0.010	-4.5	50.0
	50 Toluene	1.25553	1.27713	0.010	1.7	20.0
	51 trans-1,3-Dichloropropene	50.00000	52.26298	0.010	-4.5	50.0
	52 Ethyl Methacrylate	50.00000	47.28266	0.010	5.4	50.0
	53 1,1,2-Trichloroethane	0.27462	0.26895	0.010	-2.1	50.0
	54 1,3-Dichloropropane	0.51990	0.52773	0.010	1.5	50.0
	55 Tetrachloroethene	0.22321	0.22350	0.010	0.1	50.0
	56 2-Hexanone	100	112	0.010	-12.0	50.0
	57 Dibromochloromethane	0.26102	0.28484	0.010	9.1	50.0
	58 1,2-Dibromoethane	0.26800	0.27371	0.010	2.1	50.0
	59 Chlorobenzene	0.87168	0.84911	0.300	-2.6	50.0
	60 1,1,1,2-Tetrachloroethane	0.29601	0.32380	0.010	9.4	50.0
	61 Ethylbenzene	0.41302	0.42343	0.010	2.5	20.0
	62 m + p-Xylene	100	95.97502	0.010	4.0	50.0
M	63 xylenes (total)	150	145	0.010	3.3	50.0
	64 Xylene-o	50.00000	49.10725	0.010	1.8	50.0
	65 Styrene	50.00000	49.16643	0.010	1.7	50.0
	66 Bromoform	50.00000	49.97752	0.100	0.0	50.0
	67 Isopropylbenzene	50.00000	46.17046	0.010	7.7	50.0
	68 1,1,2,2-Tetrachloroethane	0.77471	0.62856	0.300	-18.9	50.0
	69 1,4-Dichloro-2-butene	50.00000	42.31040	0.010	15.4	50.0
	70 1,2,3-Trichloropropane	0.29859	0.25513	0.010	-14.6	50.0
	71 Bromobenzene	0.72583	0.68042	0.010	-6.3	50.0
	72 n-Propylbenzene	50.00000	43.32431	0.010	13.4	50.0
	73 2-Chlorotoluene	0.59175	0.53787	0.010	-9.1	50.0
	74 1,3,5-Trimethylbenzene	50.00000	43.32330	0.010	13.4	50.0
	75 4-Chlorotoluene	0.62610	0.57365	0.010	-8.4	50.0
	76 tert-Butylbenzene	50.00000	43.97360	0.010	12.1	50.0

RF = 0.1019
11-8-4

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120830.D
Report Date: 08-Nov-2004 16:51

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux12.i Injection Date: 08-NOV-2004 15:36
Lab File ID: UX120830.D Init. Cal. Date(s): 28-SEP-2004 19-OCT-2004
Analysis Type: WATER Init. Cal. Times: 20:05 20:14
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D
77 1,2,4-Trimethylbenzene	50.00000	44.90875	0.010	10.2	50.0
78 sec-Butylbenzene	50.00000	44.37001	0.010	11.3	50.0
79 4-Isopropyltoluene	50.00000	45.43032	0.010	9.1	50.0
80 1,3-Dichlorobenzene	1.19591	1.12805	0.010	-5.7	50.0
81 1,4-Dichlorobenzene	1.31989	1.19724	0.010	-9.3	50.0
82 n-Butylbenzene	50.00000	46.67048	0.010	6.7	50.0
83 1,2-Dichlorobenzene	1.17933	1.14604	0.010	-2.8	50.0
84 1,2-Dibromo-3-chloropropane	50.00000	38.99475	0.010	22.0	50.0
85 1,2,4-Trichlorobenzene	50.00000	43.42107	0.010	13.2	50.0
86 Hexachlorobutadiene	0.21230	0.23423	0.010	10.3	50.0
87 Naphthalene	50.00000	32.87806	0.010	34.2	50.0
88 1,2,3-Trichlorobenzene	0.40477	0.24611	0.010	-39.2	50.0
98 Cyclohexane	50.00000	42.72247	0.010	14.6	50.0
143 Methyl Acetate	0.52253	0.50069	0.010	-4.2	50.0
144 Methylcyclohexane	0.27225	0.25081	0.010	-7.9	50.0
141 1,3,5-Trichlorobenzene	0.56404	0.62337	0.010	10.5	50.0

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120830.D
Report Date: 08-Nov-2004 16:51

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120830.D
Lab Smp Id: 50NG-CC
Inj Date : 08-NOV-2004 15:36
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 50NG-CC
Misc Info : T41108A,8260MIUX12,2-8260.SUB,1903,2
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m
Meth Date : 08-Nov-2004 16:51 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 02:00 Cal File: UX129650.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV04

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

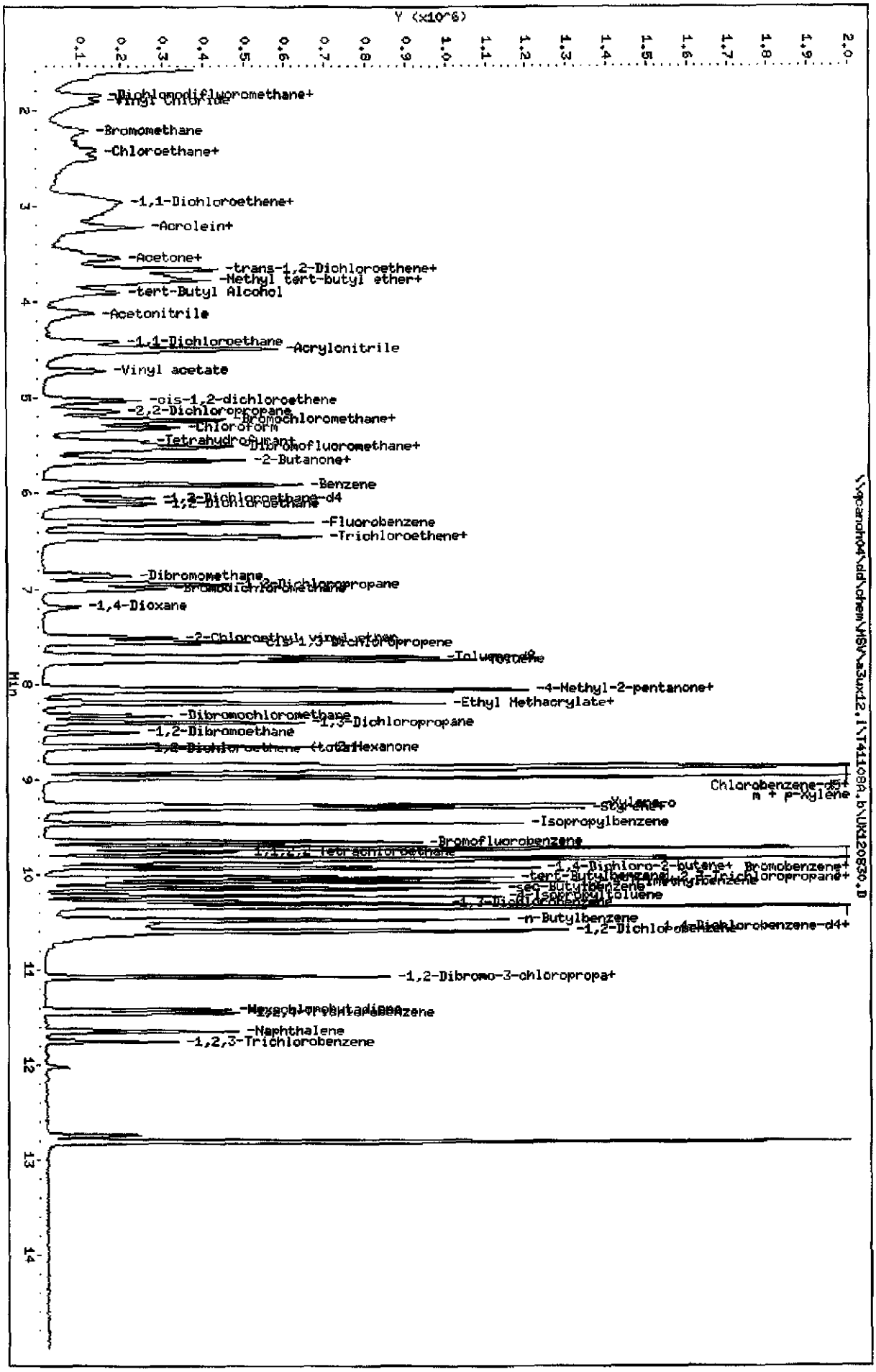
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	6.306	6.306	(1.000)	695279	50.0000	
* 2 Chlorobenzene-d5	117	8.862	8.862	(1.000)	584628	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.329	10.329	(1.000)	334512	50.0000	
$ 4 Dibromofluoromethane	113	5.513	5.513	(0.874)	171438	50.0000	54.406
$ 5 1,2-Dichloroethane-d4	65	6.046	6.046	(0.959)	288071	50.0000	60.390
$ 6 Toluene-d8	98	7.714	7.714	(0.870)	664866	50.0000	54.206
$ 7 Bromofluorobenzene	95	9.655	9.655	(1.089)	273981	50.0000	53.932
8 Dichlorodifluoromethane	85	1.679	1.679	(0.266)	241309	50.0000	52.596
9 Chloromethane	50	1.845	1.845	(0.293)	363094	50.0000	49.393
10 Vinyl Chloride	62	1.928	1.928	(0.306)	307832	50.0000	53.703
11 Bromomethane	94	2.235	2.235	(0.355)	167229	50.0000	45.616
12 Chloroethane	64	2.366	2.366	(0.375)	223216	50.0000	50.294
13 Trichlorofluoromethane	101	2.425	2.425	(0.385)	377718	50.0000	53.720
15 Acrolein	56	3.218	3.218	(0.510)	321779	500.000	426.58
16 Acetone	43	3.537	3.537	(0.561)	281940	100.000	106.08
17 1,1-Dichloroethene	61	2.934	2.934	(0.465)	370988	50.0000	52.405
18 Freon-113	101	2.922	2.922	(0.463)	158659	50.0000	41.704

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120830.D
Report Date: 08-Nov-2004 16:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 Iodomethane	142	3.123	3.123	(0.495)	240170	50.0000	46.862
	20 Carbon Disulfide	76	2.957	2.957	(0.469)	657087	50.0000	43.281
	21 Methylene Chloride	84	3.490	3.490	(0.553)	212893	50.0000	49.040
	22 Acetonitrile	41	4.117	4.117	(0.653)	384840	500.000	459.96
	23 Acrylonitrile	53	4.484	4.484	(0.711)	817964	500.000	504.62
	24 Methyl tert-butyl ether	73	3.774	3.774	(0.598)	600465	50.0000	61.145
	25 trans-1,2-Dichloroethene	96	3.655	3.655	(0.580)	179191	50.0000	47.177
	26 Hexane	57	3.774	3.774	(0.598)	351601	50.0000	52.691
	27 Vinyl acetate	43	4.708	4.708	(0.747)	400632	50.0000	53.970
	28 1,1-Dichloroethane	63	4.413	4.413	(0.700)	335957	50.0000	52.539
	29 tert-Butyl Alcohol	59	3.892	3.892	(0.617)	441279	1000.00	1090.4
	30 2-Butanone	43	5.643	5.643	(0.895)	297754	100.000	103.57
M	31 1,2-Dichloroethene (total)	96				346417	100.000	97.426
	32 cis-1,2-dichloroethene	96	5.028	5.028	(0.797)	167226	50.0000	50.250
	33 2,2-Dichloropropane	77	5.146	5.146	(0.816)	192979	50.0000	57.278
	34 Bromochloromethane	128	5.241	5.241	(0.831)	86198	50.0000	50.603
	35 Chloroform	83	5.312	5.312	(0.842)	333859	50.0000	52.433
	36 Tetrahydrofuran	42	5.478	5.478	(0.869)	91797	50.0000	58.167
	37 1,1,1-Trichloroethane	97	5.525	5.525	(0.876)	285488	50.0000	57.231
	38 1,1-Dichloropropene	75	5.655	5.655	(0.897)	242356	50.0000	54.511
	39 Carbon Tetrachloride	117	5.454	5.454	(0.865)	276202	50.0000	55.066
	40 1,2-Dichloroethane	62	6.105	6.105	(0.968)	306093	50.0000	55.366
	41 Benzene	78	5.904	5.904	(0.936)	708802	50.0000	49.113
	42 Trichloroethene	130	6.460	6.460	(1.024)	176797	50.0000	49.314
	43 1,2-Dichloropropane	63	6.945	6.945	(1.101)	182548	50.0000	52.048
	44 1,4-Dioxane	88	7.182	7.182	(1.139)	84242	2500.00	2122.8
	45 Dibromomethane	93	6.850	6.850	(1.086)	103110	50.0000	50.495
	46 Bromodichloromethane	83	7.004	7.004	(1.111)	247057	50.0000	55.910
	47 2-Chloroethyl vinyl ether	63	7.513	7.513	(1.191)	144438	100.000	130.28
	48 cis-1,3-Dichloropropene	75	7.560	7.560	(1.199)	301027	50.0000	57.434
	49 4-Methyl-2-pentanone	43	8.045	8.045	(1.276)	485065	100.000	104.53
	50 Toluene	91	7.750	7.750	(0.874)	746648	50.0000	50.860
	51 trans-1,3-Dichloropropene	75	8.081	8.081	(0.912)	301828	50.0000	52.263
	52 Ethyl Methacrylate	69	8.199	8.199	(0.925)	230760	50.0000	47.283
	53 1,1,2-Trichloroethane	97	8.199	8.199	(0.925)	157238	50.0000	48.969
	54 1,3-Dichloropropane	76	8.400	8.400	(0.948)	308526	50.0000	50.753
	55 Tetrachloroethene	164	8.057	8.057	(0.909)	130662	50.0000	50.064
	56 2-Hexanone	43	8.661	8.661	(0.977)	457269	100.000	111.96
	57 Dibromochloromethane	129	8.329	8.329	(0.940)	166524	50.0000	54.562
	58 1,2-Dibromoethane	107	8.507	8.507	(0.960)	160020	50.0000	51.065
	59 Chlorobenzene	112	8.874	8.874	(1.001)	496411	50.0000	48.705
	60 1,1,1,2-Tetrachloroethane	131	8.909	8.909	(1.005)	189305	50.0000	54.695
	61 Ethylbenzene	106	8.885	8.885	(1.003)	247548	50.0000	51.260
	62 m + p-Xylene	106	8.980	8.980	(1.013)	622424	100.000	95.975
M	63 Xylenes (total)	106				919263	150.000	145.08
	64 Xylene-o	106	9.264	9.264	(1.045)	296839	50.0000	49.107
	65 Styrene	104	9.300	9.300	(1.049)	522033	50.0000	49.166

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120830.D
Report Date: 08-Nov-2004 16:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 Bromoform	173	9.323	9.323	(1.052)	118031	50.0000	49.978
67 Isopropylbenzene	105	9.465	9.465	(1.068)	649623	50.0000	46.170
68 1,1,2,2-Tetrachloroethane	83	9.761	9.761	(0.945)	210262	50.0000	40.568
69 1,4-Dichloro-2-butene	53	9.879	9.879	(0.956)	72526	50.0000	42.310
70 1,2,3-Trichloropropane	110	9.856	9.856	(0.954)	85343	50.0000	42.722
71 Bromobenzene	156	9.726	9.726	(0.942)	227608	50.0000	46.872
72 n-Propylbenzene	120	9.726	9.726	(0.942)	176704	50.0000	43.324
73 2-Chlorotoluene	126	9.832	9.832	(0.952)	179924	50.0000	45.448
74 1,3,5-Trimethylbenzene	105	9.832	9.832	(0.952)	567000	50.0000	43.323
75 4-Chlorotoluene	126	9.927	9.927	(0.961)	191893	50.0000	45.811
76 tert-Butylbenzene	119	10.033	10.033	(0.971)	443964	50.0000	43.974
77 1,2,4-Trimethylbenzene	105	10.081	10.081	(0.976)	608644	50.0000	44.909
78 sec-Butylbenzene	105	10.140	10.140	(0.982)	615199	50.0000	44.370
79 4-Isopropyltoluene	119	10.223	10.223	(0.990)	502211	50.0000	45.430
80 1,3-Dichlorobenzene	146	10.294	10.294	(0.997)	377346	50.0000	47.163
81 1,4-Dichlorobenzene	146	10.341	10.341	(1.001)	400490	50.0000	45.354
82 n-Butylbenzene	91	10.471	10.471	(1.014)	439948	50.0000	46.670
83 1,2-Dichlorobenzene	146	10.601	10.601	(1.026)	383363	50.0000	48.588
84 1,2-Dibromo-3-chloropropane	157	11.063	11.063	(1.071)	31229	50.0000	38.995
85 1,2,4-Trichlorobenzene	180	11.453	11.453	(1.109)	141891	50.0000	43.421
86 Hexachlorobutadiene	225	11.418	11.418	(1.105)	78354	50.0000	55.166
87 Naphthalene	128	11.643	11.643	(1.127)	301020	50.0000	32.878
88 1,2,3-Trichlorobenzene	180	11.749	11.749	(1.137)	82328	50.0000	30.401
98 Cyclohexane	56	5.229	5.229	(0.829)	236233	50.0000	42.722
143 Methyl Acetate	43	3.667	3.667	(0.582)	696233	100.000	95.820
144 Methylcyclohexane	83	6.448	6.448	(1.023)	174385	50.0000	46.063
141 1,3,5-Trichlorobenzene	180	11.075	11.075	(1.072)	208524	50.0000	55.259


Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T411080.b\UX120830.D
Date : 08-NOV-2004 15:36
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: RTx-VMS
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane+
-1,1-Dichloroethene+
-Acrolein+
-Acetone+
-trans-1,2-Dichloroethene+
-Methyl tert-butyl ether+
-tert-Butyl Alcohol
-Acetonitrile
-1,1-Dichloroethane
-Acrylonitrile
-Vinyl acetate
-cis-1,2-dichloroethene
-2,2-Dichloropropane
-Bromochloromethane+
-Chloroform
-Tetrahydrofuran
-Dibromofluoromethane+
-2-Butanone+
-Benzene
-1,2-Dichloroethane-d4
-1,2-Dichloroethane
-Fluorobenzene
-Trichloroethene+
-Dibromomethane
-Bromodichloromethane
-1,2-Dichloropropane
-1,4-Dioxane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-4-Methyl-2-pentanone+
-Ethyl Methacrylate+
-Dibromochloromethane
-1,3-Dichloropropane
-1,2-Dibromoethane
-1,2-Dichloroethene (total)
-2-Hexanone
Chlorobenzene-d5+
m + p-Xylene
-Xylene-o
-Styrene+
-Isopropylbenzene
-Bromofluorobenzene
-1,1,1,2-Tetrachloroethane
-1,4-Dichloro-2-butene+
Bromobenzene+
-tert-Butylbenzene
-1,2,3-Trichloropropane+
-Mesitylene
-sec-Butylbenzene
-p-Isopropyltoluene
-1,3-Dichlorobenzene
-n-Butylbenzene
-1,2-Dichlorobenzene
-1,4-Dichlorobenzene-d4+
-1,2-Dibromo-3-chloropropa+
-Hexachlorobutadiene
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux12.i\T411080.b\UX120830.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b/UX120831.D
Report Date: 11/08/2004

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux12.i
Lab File ID: UX120831.D
Analysis Type: WATER

Injection Date: 08-NOV-2004 16:01
Lab Sample ID: 50NG-A9CC
Method File: \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
39 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
53 3-Chloropropene	50.0000	45.3579	9.3	50.0	
54 2-Chloro-1,3-butadiene	50.0000	69.8243	39.6	50.0	
55 Propionitrile	100.0000	146.7167	46.7	50.0	
56 Methacrylonitrile	50.0000	69.5165	39.0	50.0	
57 Isobutanol	1000.0000	1561.9359	56.2	50.0	<-
58 Methyl Methacrylate	50.0000	62.0935	24.2	50.0	
73 n-Butanol	1000.0000	1488.3904	48.8	50.0	
74 Ethyl Acetate	100.0000	138.0123	38.0	50.0	
75 Cyclohexanone	500.0000	621.1269	24.2	50.0	
76 Ethyl Ether	50.0000	54.6791	9.4	50.0	
85 Dichlorofluoromethane	50.0000	46.7896	6.4	50.0	
86 2-Nitropropane	100.0000	134.4594	34.5	50.0	
126 Isopropyl Ether	250.0000	273.4793	9.4	50.0	
130 Fluorobenzene	50.0000	50.0000	0.0	50.0	
132 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
146 2-Methylnaphthalene	500.0000	103.5661	79.3	50.0	<-

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120831.D
Report Date: 08-Nov-2004 16:53

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux12.i Injection Date: 08-NOV-2004 16:01
Lab File ID: UX120831.D Init. Cal. Date(s): 28-SEP-2004 19-OCT-2004
Analysis Type: WATER Init. Cal. Times: 20:05 20:14
Lab Sample ID: 50NG-A9CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
14 Dichlorofluoromethane	0.75006	0.70190	0.010	-6.4	50.0	
89 Ethyl Ether	0.25879	0.28301	0.010	9.4	50.0	
91 3-Chloropropene	0.15896	0.14420	0.010	-9.3	50.0	
92 Isopropyl Ether	0.21252	0.23248	0.010	9.4	50.0	
93 2-Chloro-1,3-butadiene	0.33282	0.46478	0.010	39.6	50.0	
94 Propionitrile	0.03253	0.04772	0.010	46.7	50.0	
95 Ethyl Acetate	0.25029	0.34543	0.010	38.0	50.0	
96 Methacrylonitrile	0.15647	0.21754	0.010	39.0	50.0	
97 Isobutanol	0.01027	0.01604	0.010	56.2	50.0	<-
99 n-Butanol	0.00682	0.01015	0.010	48.8	50.0	<-
100 Methyl Methacrylate	0.22285	0.27675	0.010	24.2	50.0	
101 2-Nitropropane	0.05629	0.07568	0.010	34.5	50.0	
103 Cyclohexanone	500	621	0.010	-24.2	50.0	
146 2-Methylnaphthalene	500	104	0.010	79.3	50.0	<-

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120831.D
Report Date: 08-Nov-2004 16:53

STL North Canton

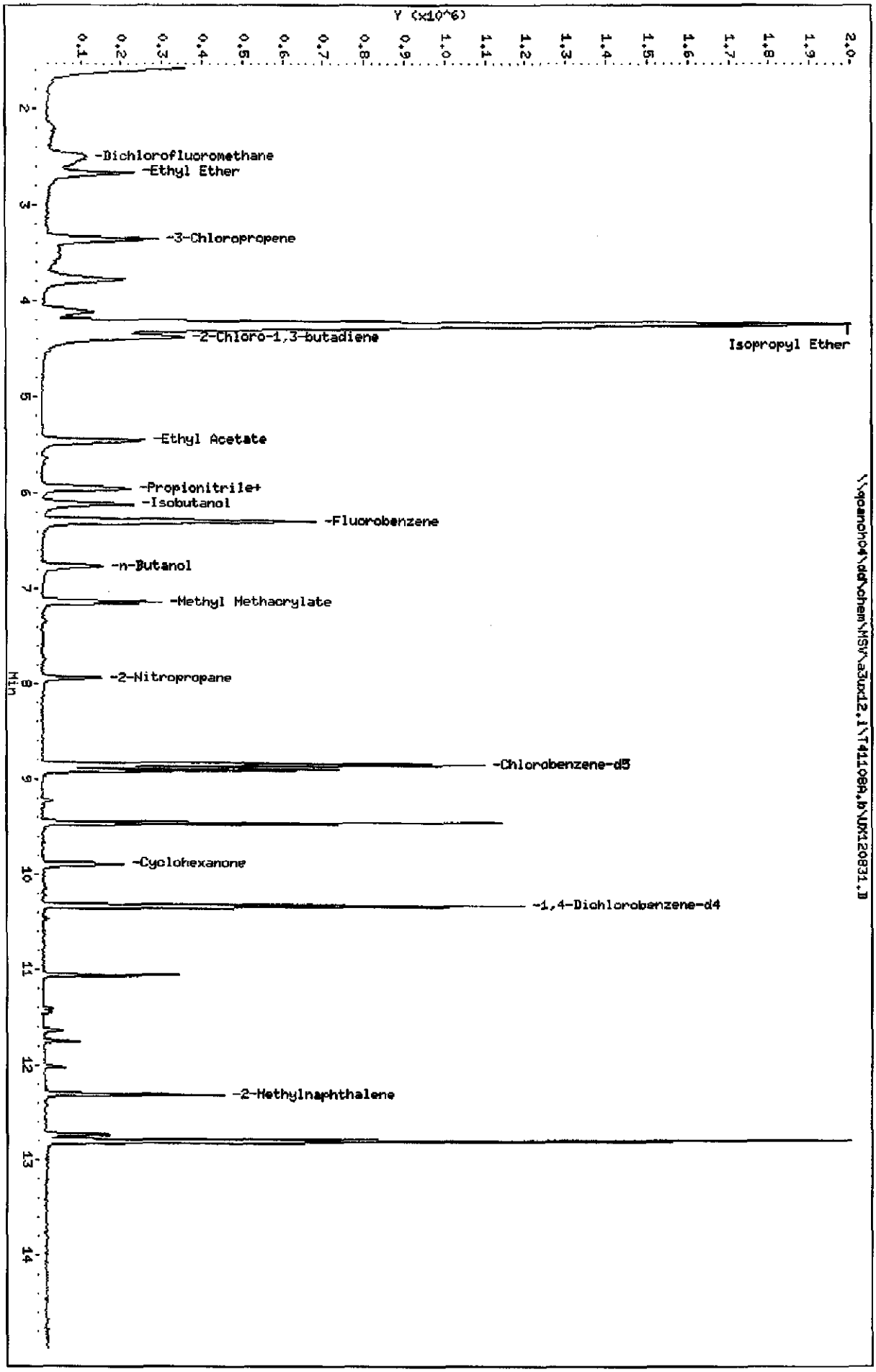
VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120831.D
Lab Smp Id: 50NG-A9CC
Inj Date : 08-NOV-2004 16:01
Operator : 1903 Inst ID: a3ux12.i
Smp Info : 50NG-A9CC
Misc Info : T41108A,8260MIUX12,3-IX.SUB,1903,2
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m
Meth Date : 08-Nov-2004 16:51 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 02:00 Cal File: UX129650.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-IX.SUB
Target Version: 4.04
Processing Host: QCANOH04

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	6.306	6.306	(1.000)	703115	50.0000	
* 2 Chlorobenzene-d5	117	8.862	8.862	(1.000)	533045	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.329	10.329	(1.000)	272266	50.0000	
14 Dichlorofluoromethane	67	2.484	2.484	(0.394)	493517	50.0000	46.790
89 Ethyl Ether	59	2.673	2.673	(0.424)	198986	50.0000	54.679
91 3-Chloropropene	76	3.359	3.359	(0.533)	101390	50.0000	45.358
92 Isopropyl Ether	87	4.247	4.247	(0.673)	817293	250.000	273.48
93 2-Chloro-1,3-butadiene	53	4.377	4.377	(0.694)	326796	50.0000	69.824
94 Propionitrile	54	5.951	5.951	(0.944)	67111	100.000	146.72
95 Ethyl Acetate	43	5.454	5.454	(0.865)	485755	100.000	138.01
96 Methacrylonitrile	41	5.963	5.963	(0.946)	152957	50.0000	69.516
97 Isobutanol	41	6.128	6.128	(0.692)	170974	1000.00	1561.9
99 n-Butanol	56	6.779	6.779	(0.765)	108172	1000.00	1488.4
100 Methyl Methacrylate	41	7.146	7.146	(1.133)	194587	50.0000	62.094
101 2-Nitropropane	41	7.951	7.951	(1.261)	106426	100.000	134.46
103 Cyclohexanone	55	9.891	9.891	(0.958)	83357	500.000	621.13
146 2-Methylnaphthalene	142	12.305	12.305	(1.191)	196861	500.000	103.57


Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T411068A.b\UX120831.D
Date : 08-NOV-2004 16:01
Client ID:
Sample Info: 50NG-A9CC
Purge Volume: 5.0
Column phase: RTx-VMS
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorofluoromethane
-Ethyl Ether
-3-Chloropropene
-2-Chloro-1,3-butadiene
Isopropyl Ether
-Ethyl Acetate
-Propionitrile+
-Isobutanol
-Fluorobenzene
-n-Butanol
-Methyl Methacrylate
-2-Nitropropane
-Chlorobenzene-d5
-Cyclohexanone
-1,4-Dichlorobenzene-d4
-2-Methylnaphthalene
\\qcanoh04\dd\chem\MSV\a3ux12.i\T411068A.b\UX120831.D

SEVERN TRENT STL

RAW QC DATA

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\BFB786.D

Date : 28-SEP-2004 19:34

Client ID: 50NG BFB

Instrument: a3ux12.i

Sample Info: 50NG BFB

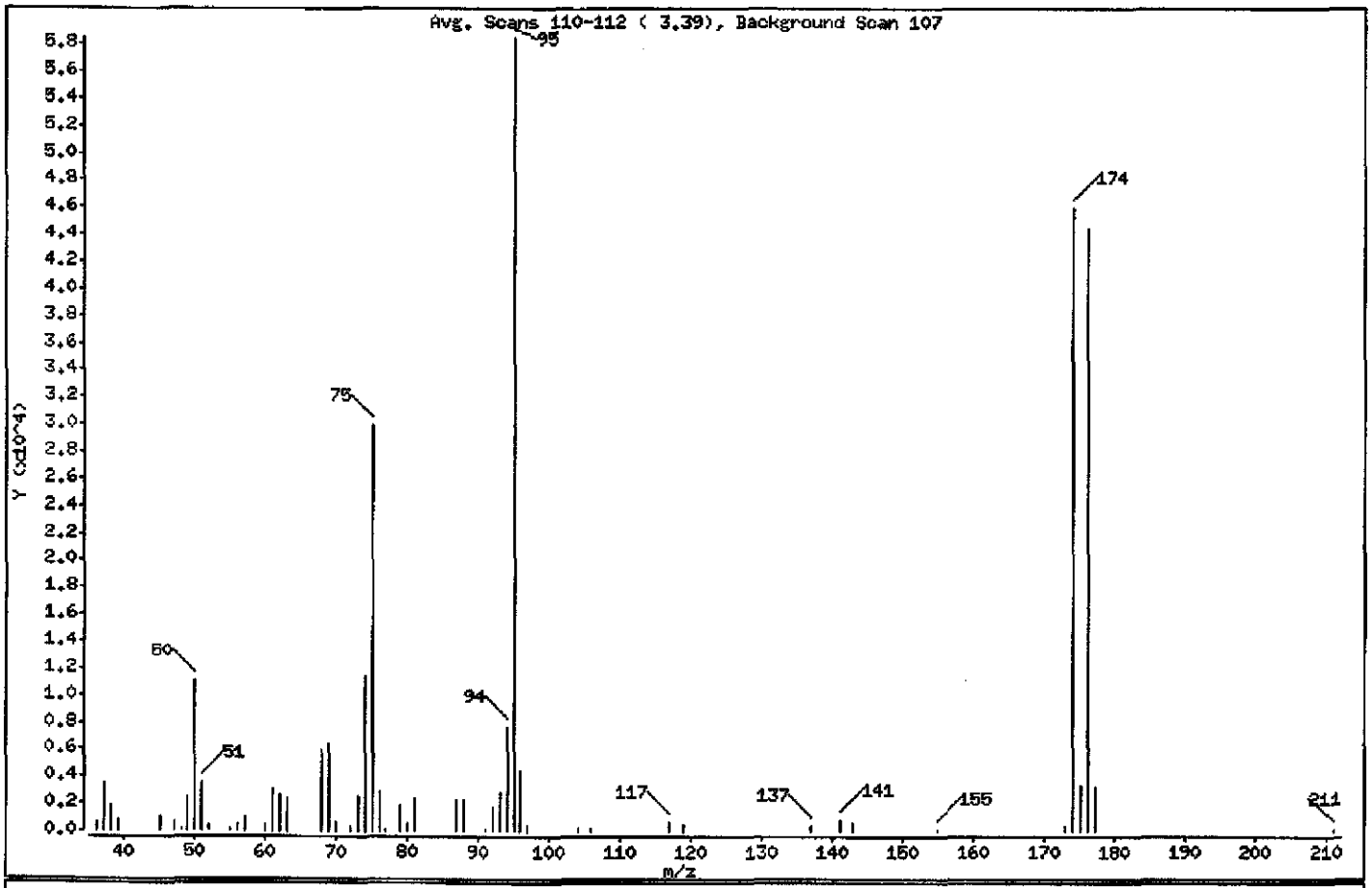
Volume Injected (uL): 1.0

Operator: 1903

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.84
75	30.00 - 60.00% of mass 95	51.11
96	5.00 - 9.00% of mass 95	7.70
173	Less than 2.00% of mass 174	0.63 (0.80)
174	50.00 - 100.00% of mass 95	78.60
175	5.00 - 9.00% of mass 174	5.72 (7.28)
176	95.00 - 101.00% of mass 174	75.97 (96.66)
177	5.00 - 9.00% of mass 176	5.42 (7.13)

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\BFB786.D

Date : 28-SEP-2004 19:34

Client ID: 50NG BFB

Instrument: a3ux12.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: 1903

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB786.D

Spectrum: Avg. Scans 110-112 (3.39), Background Scan 107

Location of Maximum: 95.00

Number of points: 63

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	651	60.00	492	80.00	509	119.00	481
37.00	3543	61.00	3065	81.00	2386	137.00	365
38.00	1871	62.00	2675	87.00	2294	141.00	749
39.00	762	63.00	2450	88.00	2328	143.00	641
45.00	1015	68.00	5928	91.00	107	155.00	175
47.00	709	69.00	6487	92.00	1762	173.00	366
48.00	179	70.00	715	93.00	2876	174.00	45920
49.00	2473	72.00	380	94.00	7655	175.00	3342
50.00	11008	73.00	2617	95.00	58432	176.00	44392
51.00	3566	74.00	11473	96.00	4501	177.00	3165
52.00	369	75.00	29864	97.00	443	211.00	183
55.00	110	76.00	2856	104.00	283		
56.00	543	77.00	156	106.00	226		
57.00	1056	79.00	1850	117.00	655		

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T40928-IC.b\BFB786.D

Page 1

Date : 28-SEP-2004 19:34

Client ID: 50NG BFB

Instrument: a3ux12.i

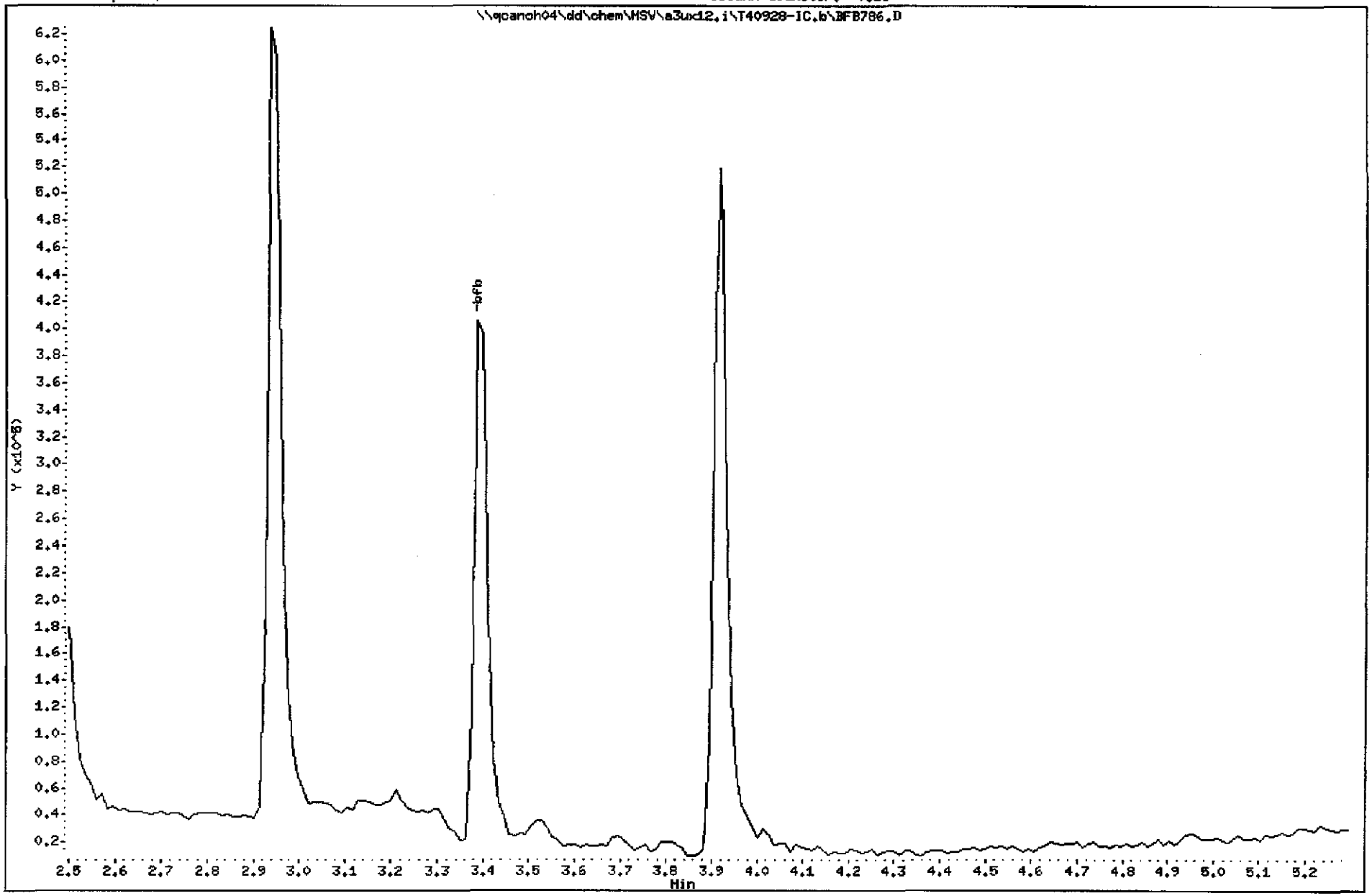
Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: 1903

Column phase: DB624 20M

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\BFB809.D

Date : 19-OCT-2004 17:41

Client ID: 50NG BFB

Instrument: a3ux12.i

Sample Info: 50NG BFB

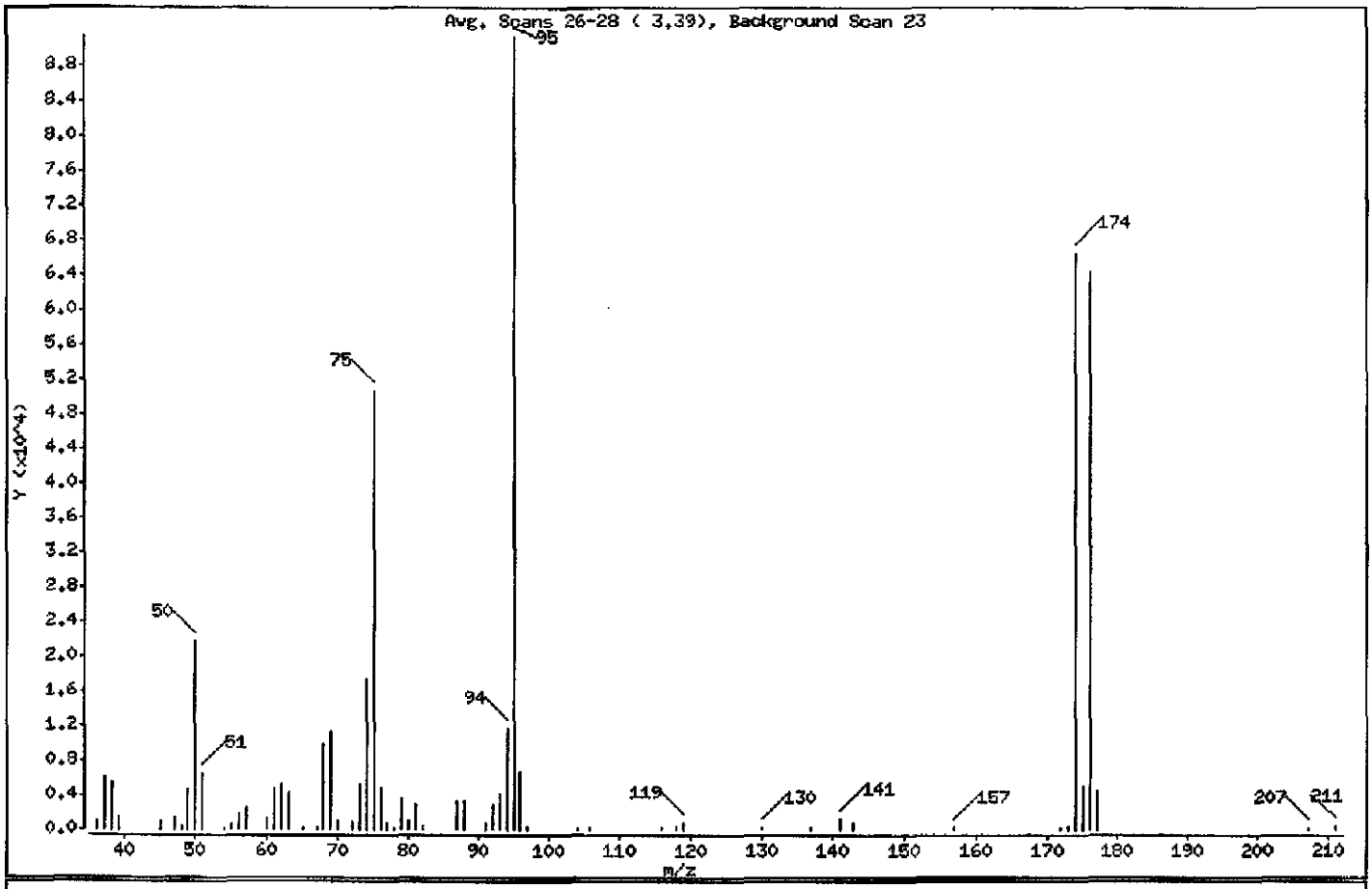
Volume Injected (uL): 1.0

Operator: 1903

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	23.78
75	30.00 - 60.00% of mass 95	55.57
96	5.00 - 9.00% of mass 95	7.47
173	Less than 2.00% of mass 174	0.40 (0.55)
174	50.00 - 100.00% of mass 95	72.80
175	5.00 - 9.00% of mass 174	5.55 (7.62)
176	95.00 - 101.00% of mass 174	70.18 (96.40)
177	5.00 - 9.00% of mass 176	4.74 (6.75)

Data File: \\qcanch04\dd\chem\MSV\a3ux12.i\T41019-IC.b\BFB809.D

Date : 19-OCT-2004 17:41

Client ID: 50NG BFB

Instrument: a3ux12.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: 1903

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB809.D
Spectrum: Avg. Scans 26-28 (3.39), Background Scan 23
Location of Maximum: 95.00
Number of points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	950	62.00	5363	81.00	3052	130.00	214
37.00	6100	63.00	4117	82.00	494	137.00	176
38.00	5428	65.00	217	87.00	3359	141.00	1208
39.00	1550	67.00	401	88.00	3357	143.00	946
45.00	1150	68.00	9909	91.00	816	157.00	172
47.00	1458	69.00	11450	92.00	3015	172.00	211
48.00	432	70.00	1126	93.00	4292	173.00	364
49.00	4693	72.00	788	94.00	11824	174.00	66520
50.00	21720	73.00	5236	95.00	91376	175.00	5071
51.00	6456	74.00	17464	96.00	6824	176.00	64128
54.00	186	75.00	50776	97.00	428	177.00	4327
55.00	589	76.00	4902	104.00	209	207.00	258
56.00	1756	77.00	763	106.00	228	211.00	344
57.00	2541	78.00	205	116.00	252		
60.00	1162	79.00	3652	118.00	384		
61.00	4560	80.00	1055	119.00	848		

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41019-IC.b\BFB809.D

Page 1

Date : 19-OCT-2004 17:41

Client ID: 50NG BFB

Instrument: a3ux12.i

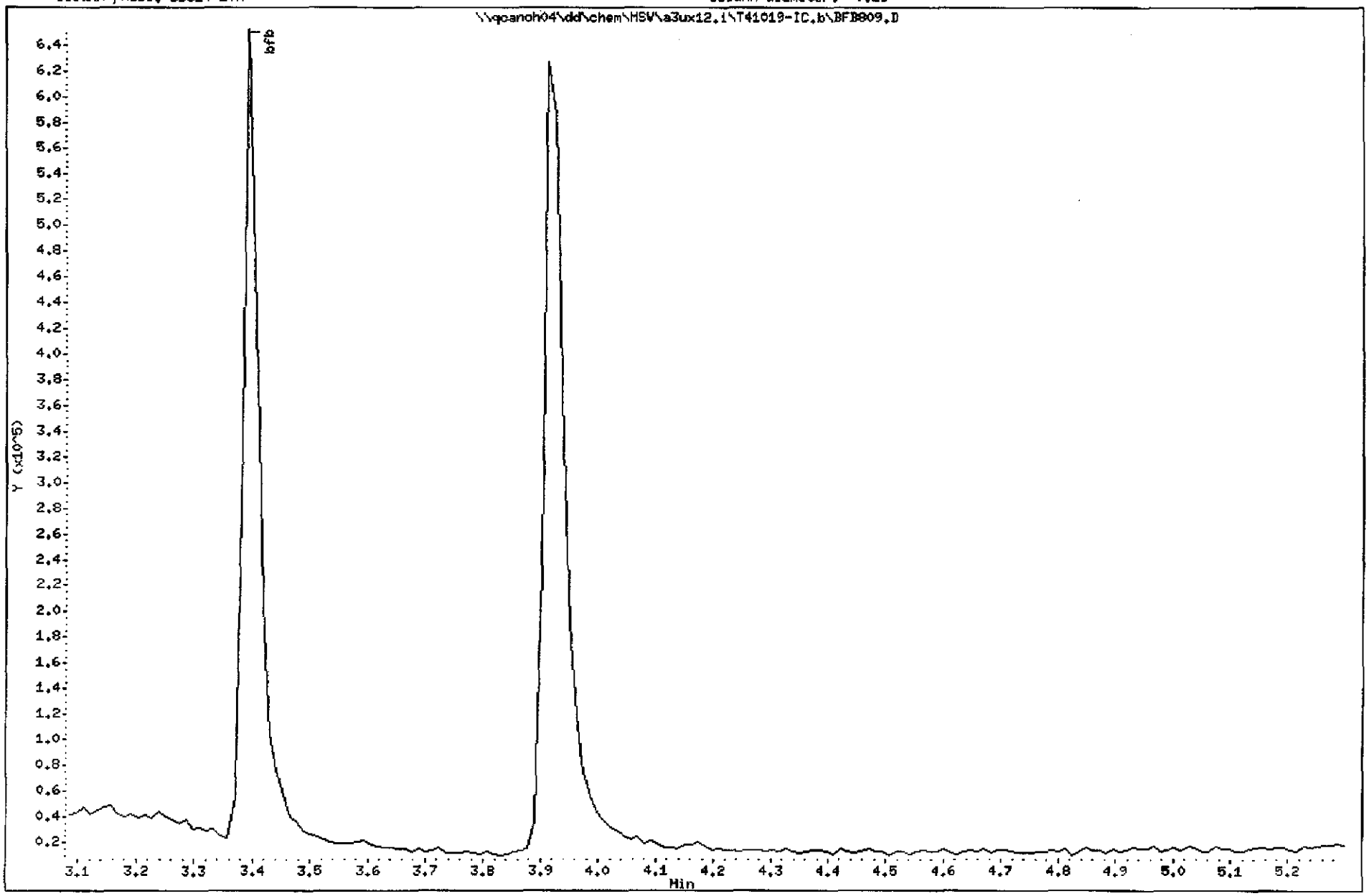
Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: 1903

Column phase: DB624 20M

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\BFB832.D

Date : 08-NOV-2004 15:11

Client ID: 50NG BFB

Instrument: a3ux12.i

Sample Info:

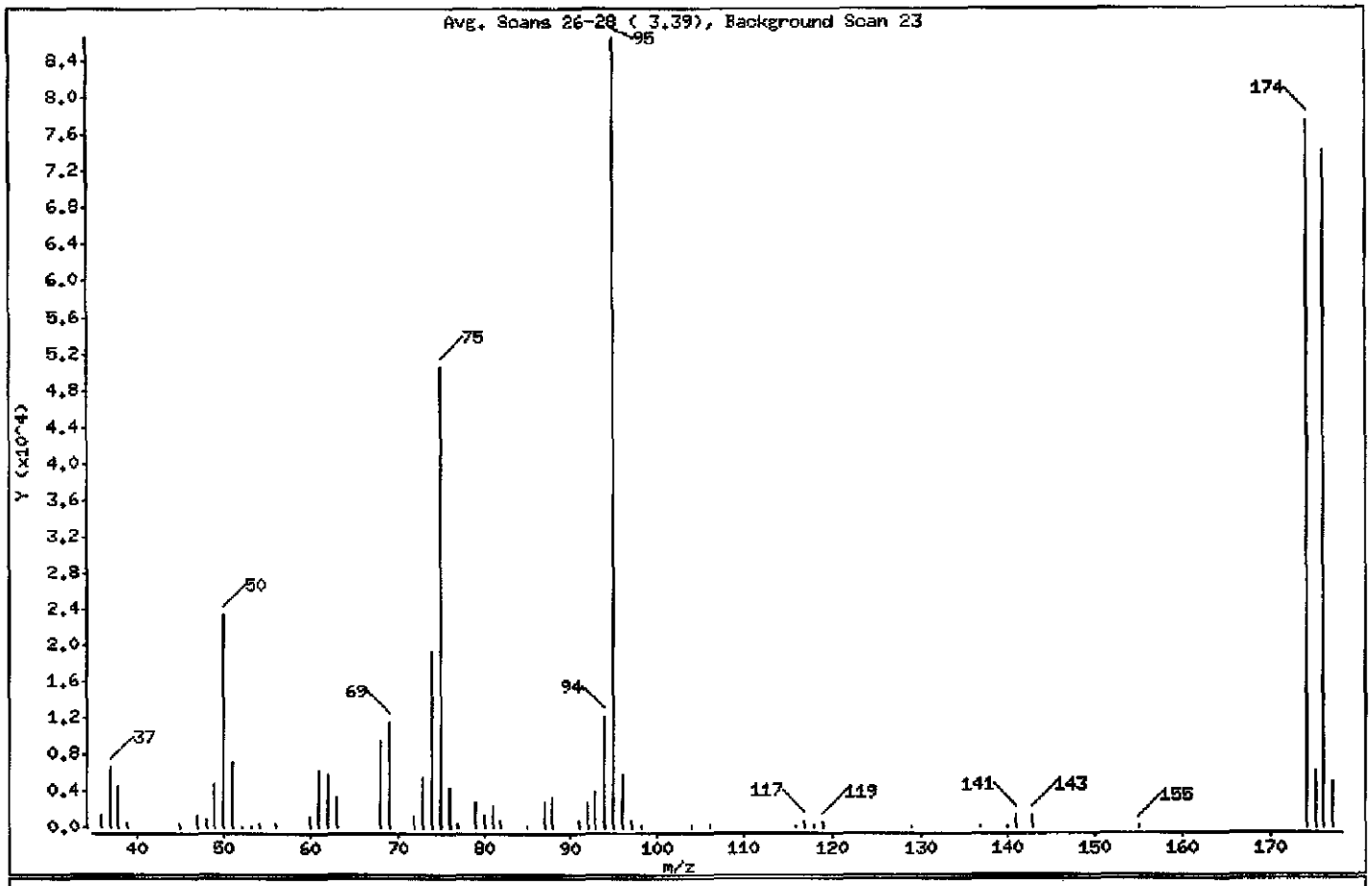
Volume Injected (uL): 1.0

Operator: 1903

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	27.02
75	30.00 - 60.00% of mass 95	58.24
96	5.00 - 9.00% of mass 95	6.63
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	89.63
175	5.00 - 9.00% of mass 174	7.09 (7.91)
176	95.00 - 101.00% of mass 174	85.67 (95.59)
177	5.00 - 9.00% of mass 176	5.76 (6.73)

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\BFB832.D

Date : 08-NOV-2004 15:11

Client ID: 50NG BFB | Instrument: a3ux12.i

Sample Info:

Volume Injected (uL): 1.0 | Operator: 1903

Column phase: DB624 20M | Column diameter: 0.18

Data File: BFB832.D

Spectrum: Avg. Scans 26-28 (3.39), Background Scan 23

Location of Maximum: 95.00

Number of points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1425	61.00	6133	85.00	183	118.00	393
37.00	6511	62.00	5745	87.00	2730	119.00	547
38.00	4499	63.00	3325	88.00	3346	129.00	265
39.00	604	68.00	9583	91.00	860	137.00	177
45.00	342	69.00	11639	92.00	2816	140.00	201
47.00	1483	72.00	1175	93.00	4040	141.00	1483
48.00	927	73.00	5535	94.00	12203	143.00	1306
49.00	4886	74.00	19296	95.00	86648	155.00	171
50.00	23416	75.00	50464	96.00	5745	174.00	77664
51.00	7166	76.00	4303	97.00	775	175.00	6140
52.00	71	77.00	419	98.00	239	176.00	74232
53.00	192	79.00	2816	104.00	168	177.00	4993
54.00	361	80.00	1447	106.00	465		
56.00	355	81.00	2392	116.00	222		
60.00	1267	82.00	883	117.00	877		

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\BFB832.D

Page 1

Date : 08-NOV-2004 15:11

Client ID: 50NG BFB

Instrument: a3ux12.i

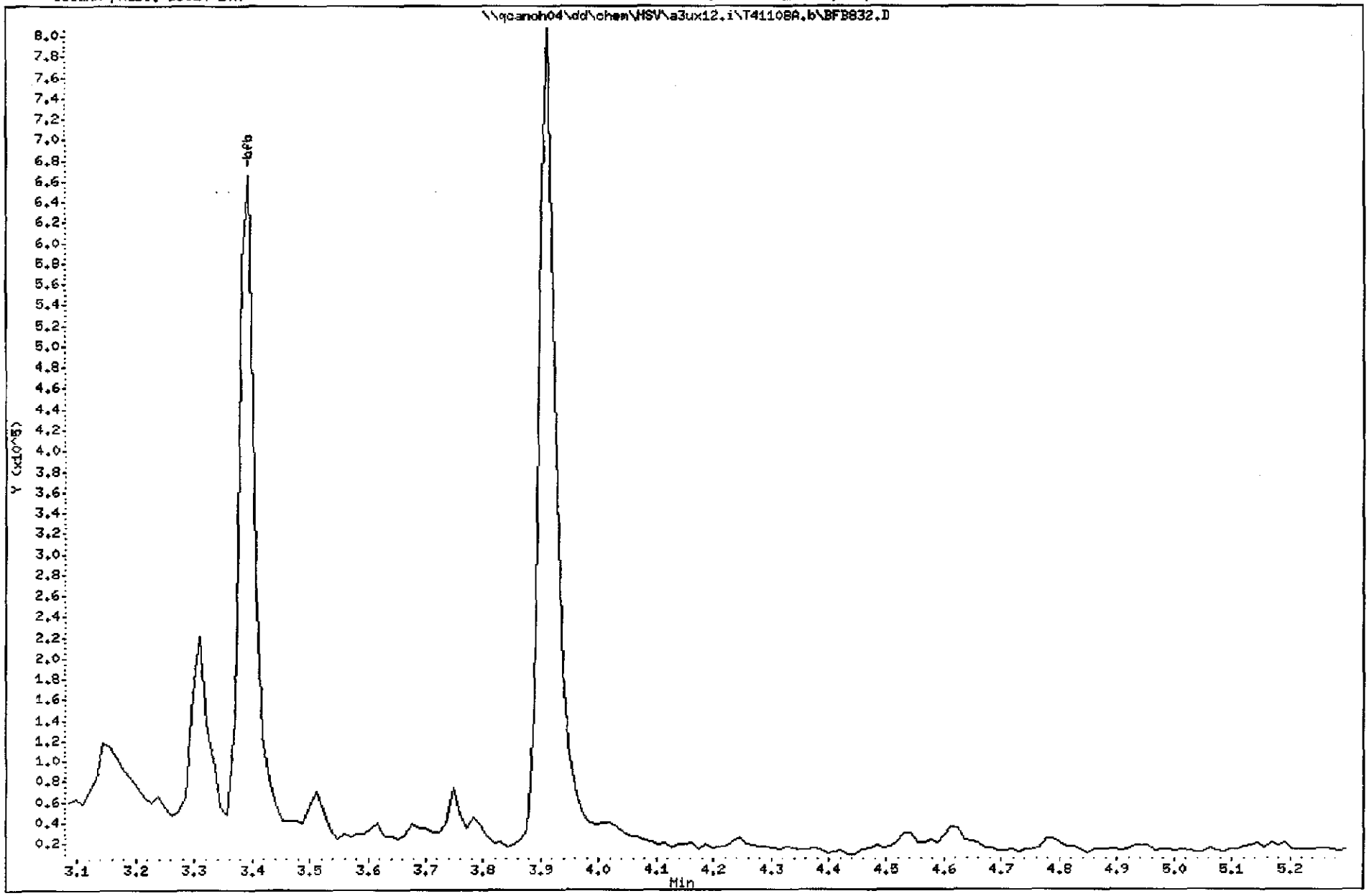
Sample Info:

Volume Injected (uL): 1.0

Operator: 1903

Column phase: DB624 20M

Column diameter: 0.18



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4J290129 **Work Order #...:** GWJ711AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4K090000-481 GWJ711AD-LCSD
Prep Date.....: 11/08/04 **Analysis Date..:** 11/08/04
Prep Batch #...: 4314481
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	119	(22 - 200)			SW846 8260B
	121	(22 - 200)	0.97	(0-95)	SW846 8260B
Benzene	**101**	**(80 - 116)**			**SW846 8260B**
	105	**(80 - 116)**	**3.1**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	113	(87 - 130)			SW846 8260B
	119	(87 - 130)	4.6	(0-30)	SW846 8260B
Bromoform	98	(76 - 150)			SW846 8260B
	98	(76 - 150)	0.36	(0-30)	SW846 8260B
Bromomethane	80	(64 - 129)			SW846 8260B
	83	(64 - 129)	4.0	(0-30)	SW846 8260B
2-Butanone	94	(28 - 237)			SW846 8260B
	94	(28 - 237)	0.17	(0-65)	SW846 8260B
Carbon disulfide	89	(73 - 139)			SW846 8260B
	90	(73 - 139)	1.1	(0-30)	SW846 8260B
Carbon tetrachloride	108	(75 - 149)			SW846 8260B
	109	(75 - 149)	0.84	(0-30)	SW846 8260B
Chlorobenzene	**102**	**(76 - 117)**			**SW846 8260B**
	104	**(76 - 117)**	**2.0**	**(0-20)**	**SW846 8260B**
Dichlorodifluoromethane	91	(70 - 130)			SW846 8260B
	87	(70 - 130)	4.8	(0-30)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	96	(70 - 130)			SW846 8260B
	92	(70 - 130)	4.3	(0-30)	SW846 8260B
Methyl acetate	50 a	(70 - 130)			SW846 8260B
	53 a	(70 - 130)	4.5	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	127	(70 - 130)			SW846 8260B
	128	(70 - 130)	0.99	(0-30)	SW846 8260B
Cyclohexane	83	(70 - 130)			SW846 8260B
	84	(70 - 130)	0.68	(0-30)	SW846 8260B
Methylcyclohexane	81	(70 - 130)			SW846 8260B
	80	(70 - 130)	1.4	(0-30)	SW846 8260B
Dibromochloromethane	111	(81 - 138)			SW846 8260B
	109	(81 - 138)	1.5	(0-30)	SW846 8260B
Isopropylbenzene	98	(70 - 130)			SW846 8260B
	98	(70 - 130)	0.070	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4J290129 **Work Order #...:** GWJ711AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4K090000-481 GWJ711AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,3-Dichlorobenzene	95	(70 - 130)			SW846 8260B
	97	(70 - 130)	2.6	(0-30)	SW846 8260B
Chloroethane	89	(66 - 126)			SW846 8260B
	84	(66 - 126)	5.0	(0-30)	SW846 8260B
1,4-Dichlorobenzene	100	(70 - 130)			SW846 8260B
	102	(70 - 130)	2.5	(0-30)	SW846 8260B
1,2-Dichlorobenzene	99	(70 - 130)			SW846 8260B
	99	(70 - 130)	0.25	(0-30)	SW846 8260B
1,2,4-Trichloro-benzene	93	(70 - 130)			SW846 8260B
	100	(70 - 130)	6.6	(0-30)	SW846 8260B
Chloroform	110	(84 - 128)			SW846 8260B
	109	(84 - 128)	0.39	(0-30)	SW846 8260B
Chloromethane	94	(48 - 123)			SW846 8260B
	91	(48 - 123)	3.4	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro-propane	82	(70 - 130)			SW846 8260B
	81	(70 - 130)	1.4	(0-30)	SW846 8260B
1,2-Dibromoethane	101	(70 - 130)			SW846 8260B
	100	(70 - 130)	1.1	(0-30)	SW846 8260B
1,1-Dichloroethane	114	(86 - 123)			SW846 8260B
	115	(86 - 123)	0.61	(0-30)	SW846 8260B
1,2-Dichloroethane	116	(79 - 136)			SW846 8260B
	116	(79 - 136)	0.41	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	105	(85 - 113)			SW846 8260B
	113	(85 - 113)	6.9	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	92	(79 - 120)			SW846 8260B
	102	(79 - 120)	11	(0-30)	SW846 8260B
1,1-Dichloroethene	**111**	**(63 - 130)**			**SW846 8260B**
	109	**(63 - 130)**	**2.4**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	98	(82 - 116)			SW846 8260B
	107	(82 - 116)	8.8	(0-30)	SW846 8260B
1,2-Dichloropropane	106	(82 - 115)			SW846 8260B
	108	(82 - 115)	1.9	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	116	(84 - 130)			SW846 8260B
	114	(84 - 130)	0.96	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	102	(84 - 130)			SW846 8260B
	102	(84 - 130)	0.29	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4J290129 **Work Order #...:** GWJ711AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4K090000-481 GWJ711AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethylbenzene	102	(86 - 116)			SW846 8260B
	107	(86 - 116)	4.2	(0-30)	SW846 8260B
2-Hexanone	91	(35 - 200)			SW846 8260B
	90	(35 - 200)	0.80	(0-52)	SW846 8260B
Methylene chloride	103	(78 - 118)			SW846 8260B
	100	(78 - 118)	3.0	(0-30)	SW846 8260B
4-Methyl-2-pentanone	104	(78 - 141)			SW846 8260B
	102	(78 - 141)	2.6	(0-32)	SW846 8260B
Styrene	101	(85 - 117)			SW846 8260B
	100	(85 - 117)	0.86	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	88	(85 - 118)			SW846 8260B
	91	(85 - 118)	2.9	(0-30)	SW846 8260B
Tetrachloroethene	103	(88 - 113)			SW846 8260B
	102	(88 - 113)	1.3	(0-30)	SW846 8260B
Toluene	**108**	**(74 - 119)**			**SW846 8260B**
	106	**(74 - 119)**	**1.8**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	119	(78 - 140)			SW846 8260B
	122	(78 - 140)	2.5	(0-30)	SW846 8260B
1,1,2-Trichloroethane	99	(83 - 122)			SW846 8260B
	95	(83 - 122)	4.4	(0-30)	SW846 8260B
Trichloroethene	**101**	**(75 - 122)**			**SW846 8260B**
	105	**(75 - 122)**	**3.5**	**(0-20)**	**SW846 8260B**
Trichlorofluoromethane	97	(70 - 130)			SW846 8260B
	98	(70 - 130)	0.91	(0-30)	SW846 8260B
Vinyl chloride	94	(61 - 120)			SW846 8260B
	95	(61 - 120)	0.64	(0-30)	SW846 8260B
Xylenes (total)	101	(87 - 116)			SW846 8260B
	99	(87 - 116)	1.1	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
	104	(73 - 122)
1,2-Dichloroethane-d4	116	(61 - 128)
	118	(61 - 128)
Toluene-d8	101	(76 - 110)
	101	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)
	99	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4J290129 **Work Order #...:** GWJ711AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4K090000-481 GWJ711AD-LCSD
Prep Date.....: 11/08/04 **Analysis Date..:** 11/08/04
Prep Batch #...: 4314481
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	12	ug/L	119		SW846 8260B
	10	12	ug/L	121	0.97	SW846 8260B
Benzene	**10**	**10**	**ug/L**	**101**		**SW846 8260B**
	10	**10**	**ug/L**	**105**	**3.1**	**SW846 8260B**
Bromodichloromethane	10	11	ug/L	113		SW846 8260B
	10	12	ug/L	119	4.6	SW846 8260B
Bromoform	10	9.8	ug/L	98		SW846 8260B
	10	9.8	ug/L	98	0.36	SW846 8260B
Bromomethane	10	8.0	ug/L	80		SW846 8260B
	10	8.3	ug/L	83	4.0	SW846 8260B
2-Butanone	10	9.4	ug/L	94		SW846 8260B
	10	9.4	ug/L	94	0.17	SW846 8260B
Carbon disulfide	10	8.9	ug/L	89		SW846 8260B
	10	9.0	ug/L	90	1.1	SW846 8260B
Carbon tetrachloride	10	11	ug/L	108		SW846 8260B
	10	11	ug/L	109	0.84	SW846 8260B
Chlorobenzene	**10**	**10**	**ug/L**	**102**		**SW846 8260B**
	10	**10**	**ug/L**	**104**	**2.0**	**SW846 8260B**
Dichlorodifluoromethane	10	9.1	ug/L	91		SW846 8260B
	10	8.7	ug/L	87	4.8	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	10	9.6	ug/L	96		SW846 8260B
	10	9.2	ug/L	92	4.3	SW846 8260B
Methyl acetate	10	5.0 a	ug/L	50		SW846 8260B
	10	5.3 a	ug/L	53	4.5	SW846 8260B
Methyl tert-butyl ether (MTBE)	10	13	ug/L	127		SW846 8260B
	10	13	ug/L	128	0.99	SW846 8260B
Cyclohexane	10	8.3	ug/L	83		SW846 8260B
	10	8.4	ug/L	84	0.68	SW846 8260B
Methylcyclohexane	10	8.1	ug/L	81		SW846 8260B
	10	8.0	ug/L	80	1.4	SW846 8260B
Dibromochloromethane	10	11	ug/L	111		SW846 8260B
	10	11	ug/L	109	1.5	SW846 8260B
Isopropylbenzene	10	9.8	ug/L	98		SW846 8260B
	10	9.8	ug/L	98	0.070	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4J290129 **Work Order #...:** GWJ711AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4K090000-481 GWJ711AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,3-Dichlorobenzene	10	9.5	ug/L	95		SW846 8260B
	10	9.7	ug/L	97	2.6	SW846 8260B
Chloroethane	10	8.9	ug/L	89		SW846 8260B
	10	8.4	ug/L	84	5.0	SW846 8260B
1,4-Dichlorobenzene	10	10	ug/L	100		SW846 8260B
	10	10	ug/L	102	2.5	SW846 8260B
1,2-Dichlorobenzene	10	9.9	ug/L	99		SW846 8260B
	10	9.9	ug/L	99	0.25	SW846 8260B
1,2,4-Trichloro-benzene	10	9.3	ug/L	93		SW846 8260B
	10	10	ug/L	100	6.6	SW846 8260B
Chloroform	10	11	ug/L	110		SW846 8260B
	10	11	ug/L	109	0.39	SW846 8260B
Chloromethane	10	9.4	ug/L	94		SW846 8260B
	10	9.1	ug/L	91	3.4	SW846 8260B
1,2-Dibromo-3-chloro-propane	10	8.2	ug/L	82		SW846 8260B
	10	8.1	ug/L	81	1.4	SW846 8260B
1,2-Dibromoethane	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	100	1.1	SW846 8260B
1,1-Dichloroethane	10	11	ug/L	114		SW846 8260B
	10	11	ug/L	115	0.61	SW846 8260B
1,2-Dichloroethane	10	12	ug/L	116		SW846 8260B
	10	12	ug/L	116	0.41	SW846 8260B
cis-1,2-Dichloroethene	10	11	ug/L	105		SW846 8260B
	10	11	ug/L	113	6.9	SW846 8260B
trans-1,2-Dichloroethene	10	9.2	ug/L	92		SW846 8260B
	10	10	ug/L	102	11	SW846 8260B
1,1-Dichloroethene	**10**	**11**	**ug/L**	**111**		**SW846 8260B**
	10	**11**	**ug/L**	**109**	**2.4**	**SW846 8260B**
1,2-Dichloroethene (total)	20	20	ug/L	98		SW846 8260B
	20	21	ug/L	107	8.8	SW846 8260B
1,2-Dichloropropane	10	11	ug/L	106		SW846 8260B
	10	11	ug/L	108	1.9	SW846 8260B
cis-1,3-Dichloropropene	10	12	ug/L	116		SW846 8260B
	10	11	ug/L	114	0.96	SW846 8260B
trans-1,3-Dichloropropene	10	10	ug/L	102		SW846 8260B
	10	10	ug/L	102	0.29	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4J290129 **Work Order #...:** GWJ711AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4K090000-481 GWJ711AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethylbenzene	10	10	ug/L	102		SW846 8260B
	10	11	ug/L	107	4.2	SW846 8260B
2-Hexanone	10	9.1	ug/L	91		SW846 8260B
	10	9.0	ug/L	90	0.80	SW846 8260B
Methylene chloride	10	10	ug/L	103		SW846 8260B
	10	10	ug/L	100	3.0	SW846 8260B
4-Methyl-2-pentanone	10	10	ug/L	104		SW846 8260B
	10	10	ug/L	102	2.6	SW846 8260B
Styrene	10	10	ug/L	101		SW846 8260B
	10	10	ug/L	100	0.86	SW846 8260B
1,1,2,2-Tetrachloroethane	10	8.8	ug/L	88		SW846 8260B
	10	9.1	ug/L	91	2.9	SW846 8260B
Tetrachloroethene	10	10	ug/L	103		SW846 8260B
	10	10	ug/L	102	1.3	SW846 8260B
Toluene	**10**	**11**	**ug/L**	**108**		**SW846 8260B**
	10	**11**	**ug/L**	**106**	**1.8**	**SW846 8260B**
1,1,1-Trichloroethane	10	12	ug/L	119		SW846 8260B
	10	12	ug/L	122	2.5	SW846 8260B
1,1,2-Trichloroethane	10	9.9	ug/L	99		SW846 8260B
	10	9.5	ug/L	95	4.4	SW846 8260B
Trichloroethene	**10**	**10**	**ug/L**	**101**		**SW846 8260B**
	10	**10**	**ug/L**	**105**	**3.5**	**SW846 8260B**
Trichlorofluoromethane	10	9.7	ug/L	97		SW846 8260B
	10	9.8	ug/L	98	0.91	SW846 8260B
Vinyl chloride	10	9.4	ug/L	94		SW846 8260B
	10	9.5	ug/L	95	0.64	SW846 8260B
Xylenes (total)	30	30	ug/L	101		SW846 8260B
	30	30	ug/L	99	1.1	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
	104	(73 - 122)
1,2-Dichloroethane-d4	116	(61 - 128)
	118	(61 - 128)
Toluene-d8	101	(76 - 110)
	101	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)
	99	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120832.D
Report Date: 08-Nov-2004 16:52

GWJ711AC

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120832.D
Lab Smp Id: CHECK
Inj Date : 08-NOV-2004 16:25
Operator : 1903 Inst ID: a3ux12.i
Smp Info : CHECK
Misc Info : T41108A,8260MIUX12,2-8260.SUB,1903,3
Comment :
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Meth Date : 08-Nov-2004 16:51 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 02:00 Cal File: UX129650.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: CANPMSV04

Concentration Formula: Amt * DF * 1/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume

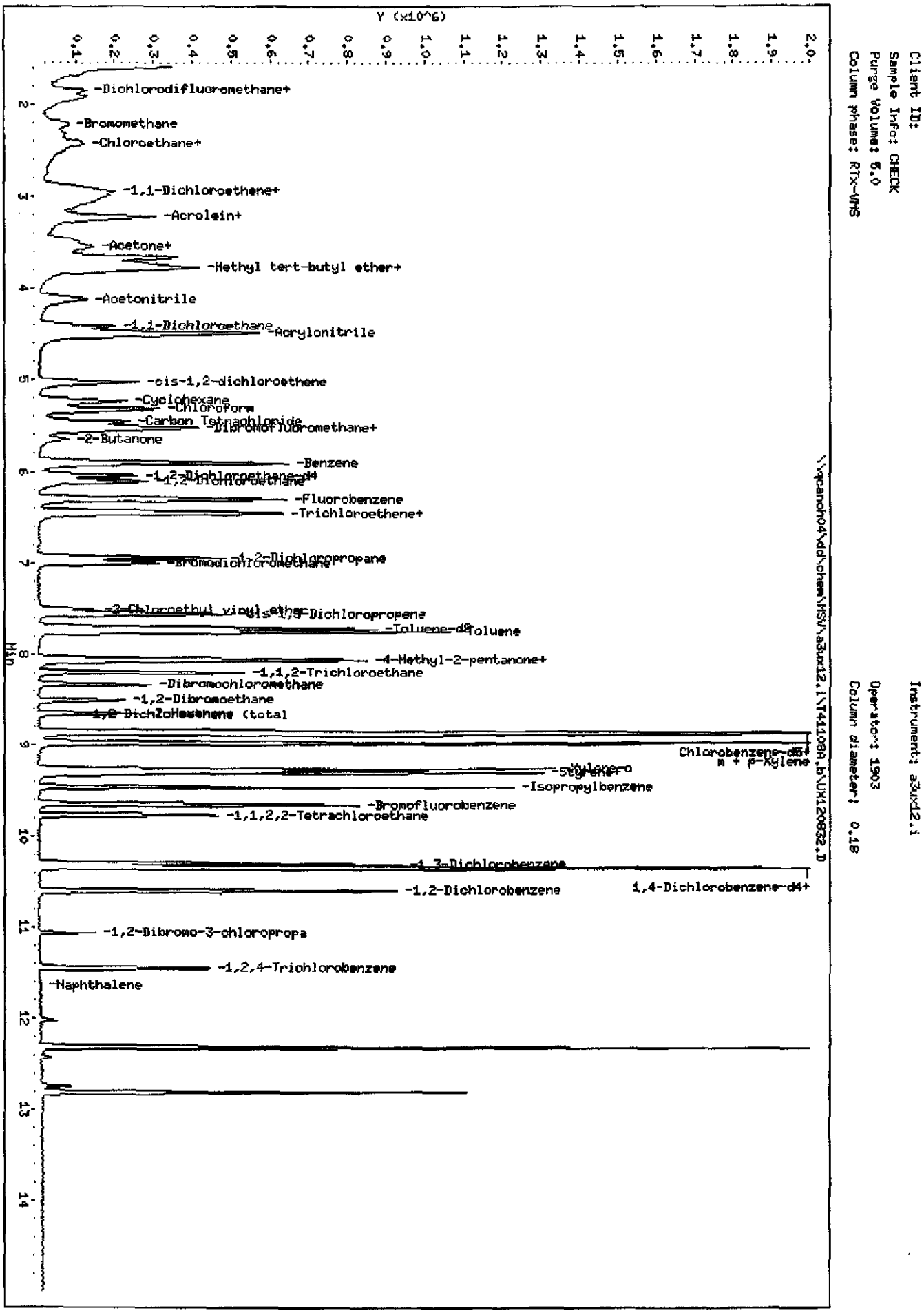
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	6.306	6.306	(1.000)	676752	50.0000	
* 2 Chlorobenzene-d5	117	8.862	8.862	(1.000)	560161	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.329	10.329	(1.000)	299411	50.0000	
$ 4 Dibromofluoromethane	113	5.513	5.513	(0.874)	159294	51.9358	10.387
$ 5 1,2-Dichloroethane-d4	65	6.045	6.046	(0.959)	268856	57.9044	11.581
$ 6 Toluene-d8	98	7.714	7.714	(0.870)	594869	50.6172	10.123
$ 7 Bromofluorobenzene	95	9.655	9.655	(1.089)	238221	48.9414	9.788
8 Dichlorodifluoromethane	85	1.679	1.679	(0.266)	203809	45.6385	9.128
9 Chloromethane	50	1.845	1.845	(0.293)	337629	47.1867	9.437
10 Vinyl Chloride	62	1.928	1.928	(0.306)	262695	47.0836	9.417
11 Bromomethane	94	2.212	2.235	(0.351)	142889	40.0435	8.009
12 Chloroethane	64	2.354	2.366	(0.373)	191413	44.3092	8.862
13 Trichlorofluoromethane	101	2.413	2.425	(0.383)	329297	48.5313	9.706
15 Acrolein	56	3.217	3.218	(0.510)	442059	602.084	120.42
16 Acetone	43	3.537	3.537	(0.561)	154449	59.7003	11.940
17 1,1-Dichloroethene	61	2.886	2.934	(0.458)	383472	55.6518	11.130
18 Freon-113	101	2.957	2.922	(0.469)	179813	48.2167	9.643

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120832.D
Report Date: 08-Nov-2004 16:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	3.146	3.123	(0.499)	1476	5.02871	1.006
	20 Carbon Disulfide	76	2.957	2.957	(0.469)	660130	44.6720	8.934
	21 Methylene Chloride	84	3.478	3.490	(0.552)	217969	51.5841	10.317
	22 Acetonitrile	41	4.117	4.117	(0.653)	377299	463.296	92.659
	23 Acrylonitrile	53	4.484	4.484	(0.711)	830596	526.442	105.29
	24 Methyl tert-butyl ether	73	3.774	3.774	(0.598)	605934	63.3910	12.678
	25 trans-1,2-Dichloroethene	96	3.655	3.655	(0.580)	169210	45.7687	9.154
	26 Hexane	57	3.738	3.774	(0.593)	321904	49.5616	9.912
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	4.413	4.413	(0.700)	355204	57.0700	11.414
	29 tert-Butyl Alcohol	59	3.679	3.892	(0.583)	26223	66.5737	13.315
	30 2-Butanone	43	5.643	5.643	(0.895)	131821	47.1092	9.422
M	31 1,2-Dichloroethene (total)	96				339536	98.3511	19.670
	32 cis-1,2-dichloroethene	96	5.028	5.028	(0.797)	170326	52.5823	10.516
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	5.312	5.312	(0.842)	340542	54.9467	10.989
	36 Tetrahydrofuran	42	5.501	5.478	(0.872)	16396	2.99712	0.5994
	37 1,1,1-Trichloroethane	97	5.525	5.525	(0.876)	289298	59.5821	11.916
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	5.454	5.454	(0.865)	264768	54.2321	10.846
	40 1,2-Dichloroethane	62	6.105	6.105	(0.968)	312881	58.1436	11.629
	41 Benzene	78	5.903	5.904	(0.936)	712068	50.6899	10.138
	42 Trichloroethene	130	6.460	6.460	(1.024)	176482	50.5742	10.115
	43 1,2-Dichloropropane	63	6.945	6.945	(1.101)	180350	52.8292	10.566
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	7.004	7.004	(1.111)	244062	56.7449	11.349
	47 2-Chloroethyl vinyl ether	63	7.513	7.513	(1.191)	68526	69.7017	13.940
	48 cis-1,3-Dichloropropene	75	7.560	7.560	(1.199)	294661	57.7580	11.552
	49 4-Methyl-2-pentanone	43	8.045	8.045	(1.276)	220545	52.1433	10.429
	50 Toluene	91	7.749	7.750	(0.874)	758021	53.8904	10.778
	51 trans-1,3-Dichloropropene	75	8.081	8.081	(0.912)	281180	50.9092	10.182
	52 Ethyl Methacrylate	69	8.057	8.199	(0.909)	2520	7.44984	1.490
	53 1,1,2-Trichloroethane	97	8.199	8.199	(0.925)	152612	49.6043	9.921
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	8.057	8.057	(0.909)	129371	51.7340	10.347
	56 2-Hexanone	43	8.661	8.661	(0.977)	171190	45.4190	9.084
	57 Dibromochloromethane	129	8.329	8.329	(0.940)	161851	55.3476	11.070
	58 1,2-Dibromoethane	107	8.507	8.507	(0.960)	151538	50.4707	10.094
	59 Chlorobenzene	112	8.874	8.874	(1.001)	495738	50.7634	10.153
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	8.885	8.885	(1.003)	236952	51.2088	10.242
	62 m + p-Xylene	106	8.980	8.980	(1.013)	627634	100.772	20.154
M	63 Xylenes (total)	106				917726	150.796	30.159
	64 Xylene-o	106	9.264	9.264	(1.045)	290092	50.0237	10.005
	65 Styrene	104	9.300	9.300	(1.049)	514342	50.4562	10.091

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120832.D
Report Date: 08-Nov-2004 16:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
66 Bromoform	173	9.335	9.323	(1.053)	109998	48.7885	9.758
67 Isopropylbenzene	105	9.465	9.465	(1.068)	668313	49.1521	9.830
68 1,1,2,2-Tetrachloroethane	83	9.773	9.761	(0.946)	204964	44.1814	8.836
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	10.293	10.294	(0.997)	338922	47.3263	9.465
81 1,4-Dichlorobenzene	146	10.341	10.341	(1.001)	394726	49.9412	9.988
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.601	10.601	(1.026)	349947	49.5530	9.910
84 1,2-Dibromo-3-chloropropane	157	11.063	11.063	(1.071)	29739	41.1089	8.222
85 1,2,4-Trichlorobenzene	180	11.453	11.453	(1.109)	138170	46.6393	9.328
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	11.642	11.643	(1.127)	3256	8.57093	1.714
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	5.229	5.229	(0.829)	222006	41.4647	8.293
143 Methyl Acetate	43	3.679	3.667	(0.583)	177648	25.1184	5.024
144 Methylcyclohexane	83	6.448	6.448	(1.023)	148695	40.3522	8.070
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					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Date : 08-NOV-2004 16:25
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: RTX-VMS
Instrument: a3ux12.i
Operator: 1903
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane
-Chloroethane+
-1,1-Dichloroethene+
-Acrolein+
-Acetone+
-Methyl tert-butyl ether+
-Acetonitrile
-1,1-Dichloroethane
-Acrylonitrile
-cis-1,2-dichloroethene
-Cyclohexane
-Chloroform
-Carbon Tetrachloride
-Dibromofluoromethane+
-2-Butanone
-Benzene
-1,2-Dichloroethane-d4
-1,2-Dichloroethane
-Fluorobenzene
-Trichloroethene+
-Bromodichloromethane
-1,2-Dichloropropane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-Toluene-d8
-Toluene
-4-Methyl-2-pentanone+
-1,1,2-Trichloroethane
-Dibromochloromethane
-1,2-Dibromoethane
-1,2-Dichloroethene (total
Chlorobenzene-d5+
m + p-Xylene
-Xylene-o
-Styrene
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
-1,2-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
\\qcanoh04\dd\chem\HSV\a3ux12.i\T411108A.b\UX120832.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120833.D
Report Date: 08-Nov-2004 17:13

GW3711AD

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120833.D
Lab Smp Id: CHECK
Inj Date : 08-NOV-2004 16:50
Operator : 1903 Inst ID: a3ux12.i
Smp Info : CHECK
Misc Info : T41108A,8260MIUX12,2-8260.SUB,1903,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m
Meth Date : 08-Nov-2004 16:51 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 02:00 Cal File: UX129650.D
Als bottle: 5 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.04
Processing Host: QCANOH04

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	6.306	6.306	(1.000)	667922	50.0000	
* 2 Chlorobenzene-d5	117	8.862	8.862	(1.000)	565358	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.329	10.329	(1.000)	290781	50.0000	
$ 4 Dibromofluoromethane	113	5.513	5.513	(0.874)	156871	51.8222	10.364
$ 5 1,2-Dichloroethane-d4	65	6.046	6.046	(0.959)	271066	59.1523	11.830
$ 6 Toluene-d8	98	7.714	7.714	(0.870)	598376	50.4476	10.090
$ 7 Bromofluorobenzene	95	9.655	9.655	(1.089)	243605	49.5875	9.917
8 Dichlorodifluoromethane	85	1.679	1.679	(0.266)	191819	43.5216	8.704
9 Chloromethane	50	1.845	1.845	(0.293)	322024	45.6008	9.120
10 Vinyl Chloride	62	1.916	1.928	(0.304)	260955	47.3900	9.478
11 Bromomethane	94	2.223	2.235	(0.353)	146796	41.6822	8.336
12 Chloroethane	64	2.354	2.366	(0.373)	179713	42.1509	8.430
13 Trichlorofluoromethane	101	2.448	2.425	(0.388)	328235	48.9748	9.795
15 Acrolein	56	3.217	3.218	(0.510)	426337	588.348	117.67
16 Acetone	43	3.537	3.537	(0.561)	153930	60.2863	12.057
17 1,1-Dichloroethene	61	2.898	2.934	(0.460)	369308	54.3050	10.861
18 Freon-113	101	2.945	2.922	(0.467)	169676	46.1914	9.238
19 Iodomethane	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120833.D
Report Date: 08-Nov-2004 17:13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	20 Carbon Disulfide	76	2.969	2.957	(0.471)	658526	45.1526	9.030
	21 Methylene Chloride	84	3.478	3.490	(0.552)	208818	50.0719	10.014
	22 Acetonitrile	41	4.105	4.117	(0.651)	385047	479.061	95.812
	23 Acrylonitrile	53	4.484	4.484	(0.711)	827032	531.113	106.22
	24 Methyl tert-butyl ether	73	3.774	3.774	(0.598)	604023	64.0264	12.805
	25 trans-1,2-Dichloroethene	96	3.667	3.655	(0.582)	186106	51.0045	10.201
	26 Hexane	57	3.738	3.774	(0.593)	306704	47.8457	9.569
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	4.413	4.413	(0.700)	352728	57.4214	11.484
	29 tert-Butyl Alcohol	59	3.667	3.892	(0.582)	27512	70.7708	14.154
	30 2-Butanone	43	5.643	5.643	(0.895)	129885	47.0310	9.406
M	31 1,2-Dichloroethene (total)	96				366295	107.367	21.473
	32 cis-1,2-dichloroethene	96	5.028	5.028	(0.797)	180188	56.3625	11.272
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	5.312	5.312	(0.842)	334775	54.7305	10.946
	36 Tetrahydrofuran	42	5.229	5.478	(0.829)	63310	39.1075	7.822
	37 1,1,1-Trichloroethane	97	5.525	5.525	(0.876)	292711	61.0822	12.216
	38 1,1-Dichloropropene	75	5.904	5.655	(0.936)	13322	3.11925	0.6238
	39 Carbon Tetrachloride	117	5.454	5.454	(0.865)	263518	54.6897	10.938
	40 1,2-Dichloroethane	62	6.105	6.105	(0.968)	307535	57.9057	11.581
	41 Benzene	78	5.904	5.904	(0.936)	724731	52.2734	10.455
	42 Trichloroethene	130	6.460	6.460	(1.024)	180432	52.3898	10.478
	43 1,2-Dichloropropane	63	6.945	6.945	(1.101)	181490	53.8662	10.773
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	7.004	7.004	(1.111)	252348	59.4471	11.889
	47 2-Chloroethyl vinyl ether	63	7.513	7.513	(1.191)	66314	68.5792	13.716
	48 cis-1,3-Dichloropropene	75	7.560	7.560	(1.199)	288041	57.2069	11.441
	49 4-Methyl-2-pentanone	43	8.057	8.045	(1.278)	211403	50.8217	10.164
	50 Toluene	91	7.749	7.750	(0.874)	751280	52.9202	10.584
	51 trans-1,3-Dichloropropene	75	8.081	8.081	(0.912)	284685	51.0593	10.212
	52 Ethyl Methacrylate	69	8.057	8.199	(0.909)	1065	7.18290	1.436
	53 1,1,2-Trichloroethane	97	8.199	8.199	(0.925)	147391	47.4669	9.493
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	8.057	8.057	(0.909)	128933	51.0852	10.217
	56 2-Hexanone	43	8.661	8.661	(0.977)	171310	45.0564	9.011
	57 Dibromochloromethane	129	8.329	8.329	(0.940)	160934	54.5285	10.906
	58 1,2-Dibromoethane	107	8.507	8.507	(0.960)	151236	49.9072	9.981
	59 Chlorobenzene	112	8.874	8.874	(1.001)	510270	51.7712	10.354
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	8.885	8.885	(1.003)	249543	53.4343	10.687
	62 m + p-Xylene	106	8.980	8.980	(1.013)	622148	99.0539	19.811
M	63 Xylenes (total)	106				915147	149.112	29.822
	64 Xylene-o	106	9.264	9.264	(1.045)	292998	50.0581	10.012
	65 Styrene	104	9.300	9.300	(1.049)	514295	50.0215	10.004
	66 Bromoform	173	9.335	9.323	(1.053)	111501	48.9723	9.794

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120833.D
Report Date: 08-Nov-2004 17:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
67 Isopropylbenzene	105	9.465	9.465	(1.068)	673911	49.1133	9.823
68 1,1,2,2-Tetrachloroethane	83	9.773	9.761	(0.946)	204991	45.4988	9.100
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	10.294	10.294	(0.997)	337815	48.5717	9.714
81 1,4-Dichlorobenzene	146	10.341	10.341	(1.001)	392979	51.1958	10.239
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.601	10.601	(1.026)	338996	49.4270	9.885
84 1,2-Dibromo-3-chloropropane	157	11.063	11.063	(1.071)	28427	40.5556	8.111
85 1,2,4-Trichlorobenzene	180	11.453	11.453	(1.109)	144940	49.8300	9.966
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	11.642	11.643	(1.127)	1574	8.42167	1.684
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	5.229	5.229	(0.829)	220900	41.7525	8.350
143 Methyl Acetate	43	3.667	3.667	(0.582)	183432	26.2791	5.256
144 Methylcyclohexane	83	6.448	6.448	(1.023)	144640	39.7708	7.954
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120833.D
Date : 08-NOV-2004 16:50
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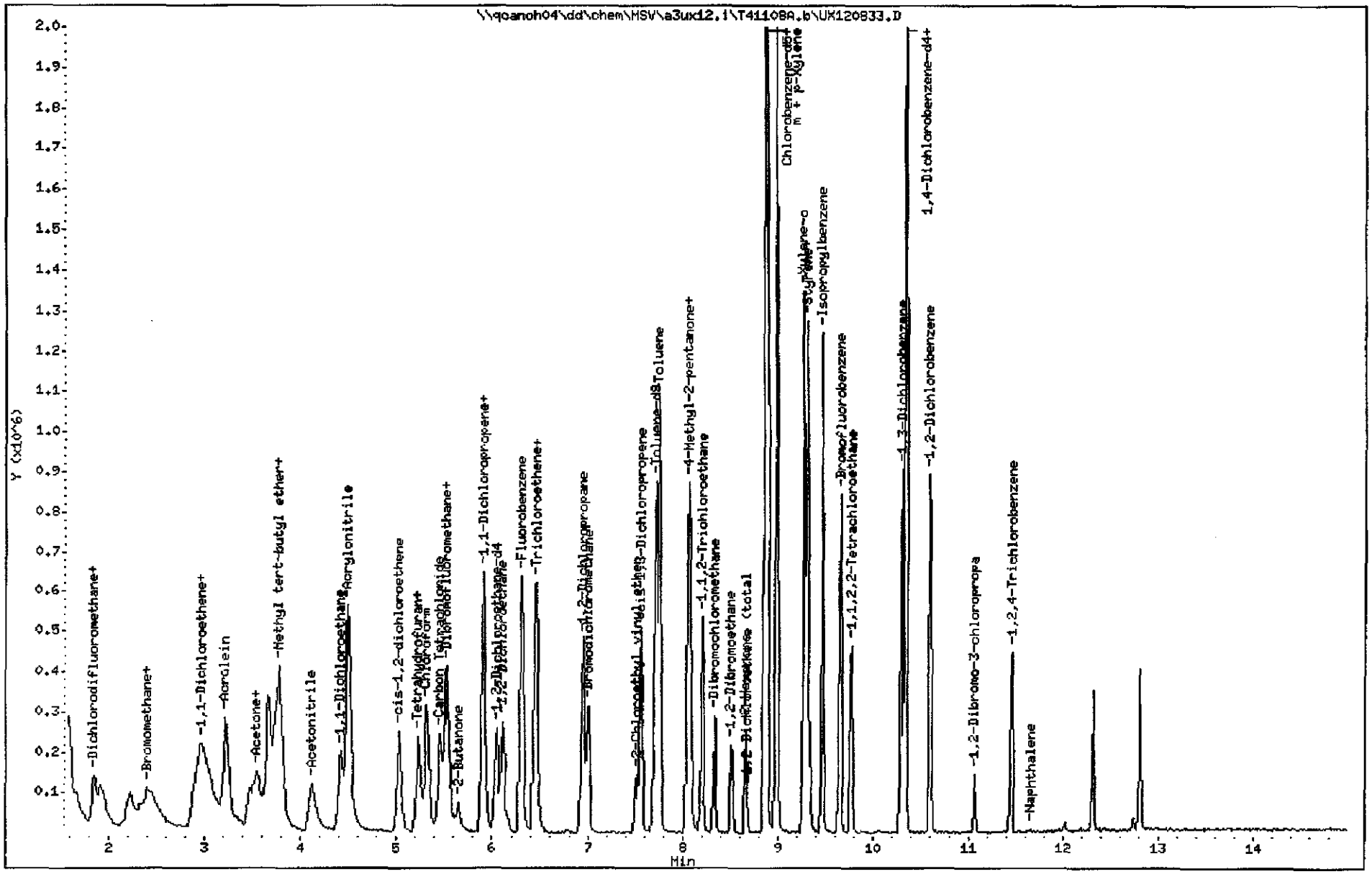
Sample Info: CHECK
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3ux12.i

Operator: 1903
Column diameter: 0.18



METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4J290129 **Work Order #...:** GWJ711AA **Matrix.....:** WATER
MB Lot-Sample #: A4K090000-481

Prep Date.....: 11/08/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 11/08/04 **Prep Batch #...:** 4314481
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	**2.3 J**	**10**	**ug/L**	**SW846 8260B**
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
3-Chloropropene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	50	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutanol	ND	50	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4J290129 **Work Order #...:** GWJ711AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.23 J**	**1.0**	**ug/L**	**SW846 8260B**
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Propionitrile	ND	4.0	ug/L	SW846 8260B
Styrene	**0.50 J**	**1.0**	**ug/L**	**SW846 8260B**
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

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

NOTE(S):

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

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120835.D
Report Date: 09-Nov-2004 20:27

GWJ711AA

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120835.D
Lab Smp Id: gwj711aa
Inj Date : 08-NOV-2004 17:39
Operator : 1903 Inst ID: a3ux12.i
Smp Info : BLANK
Misc Info : T41108A,8260MIUX12,,1903,3,,BLANK,,0
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m
Meth Date : 09-Nov-2004 15:33 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 02:00 Cal File: UX129650.D
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: QCANOH04

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	6.306	6.306	(1.000)	651420	50.0000	
* 2 Chlorobenzene-d5	117	8.862	8.862	(1.000)	482924	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	10.329	10.329	(1.000)	244615	50.0000	
$ 4 Dibromofluoromethane	113	5.501	5.513	(0.872)	146908	49.7601	9.952
$ 5 1,2-Dichloroethane-d4	65	6.045	6.046	(0.959)	245925	55.0254	11.005
$ 6 Toluene-d8	98	7.714	7.714	(0.870)	508707	50.2087	10.042
$ 7 Bromofluorobenzene	95	9.655	9.655	(1.089)	189985	45.2741	9.055
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	3.537	3.537	(0.561)	28305	11.3664	2.273
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	101	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120835.D
Report Date: 09-Nov-2004 20:27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	Compound Not Detected.					
	21 Methylene Chloride	84	3.466	3.490	(0.550)	4645	1.14202	0.2284
	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	57	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	9.300	9.300	(1.049)	3153	2.51249	0.5025
	66 Bromoform	173	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120835.D
Report Date: 09-Nov-2004 20:27

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120835.D
Report Date: 09-Nov-2004 20:27

STL North Canton

VOLATILE REPORT SW-846 Method

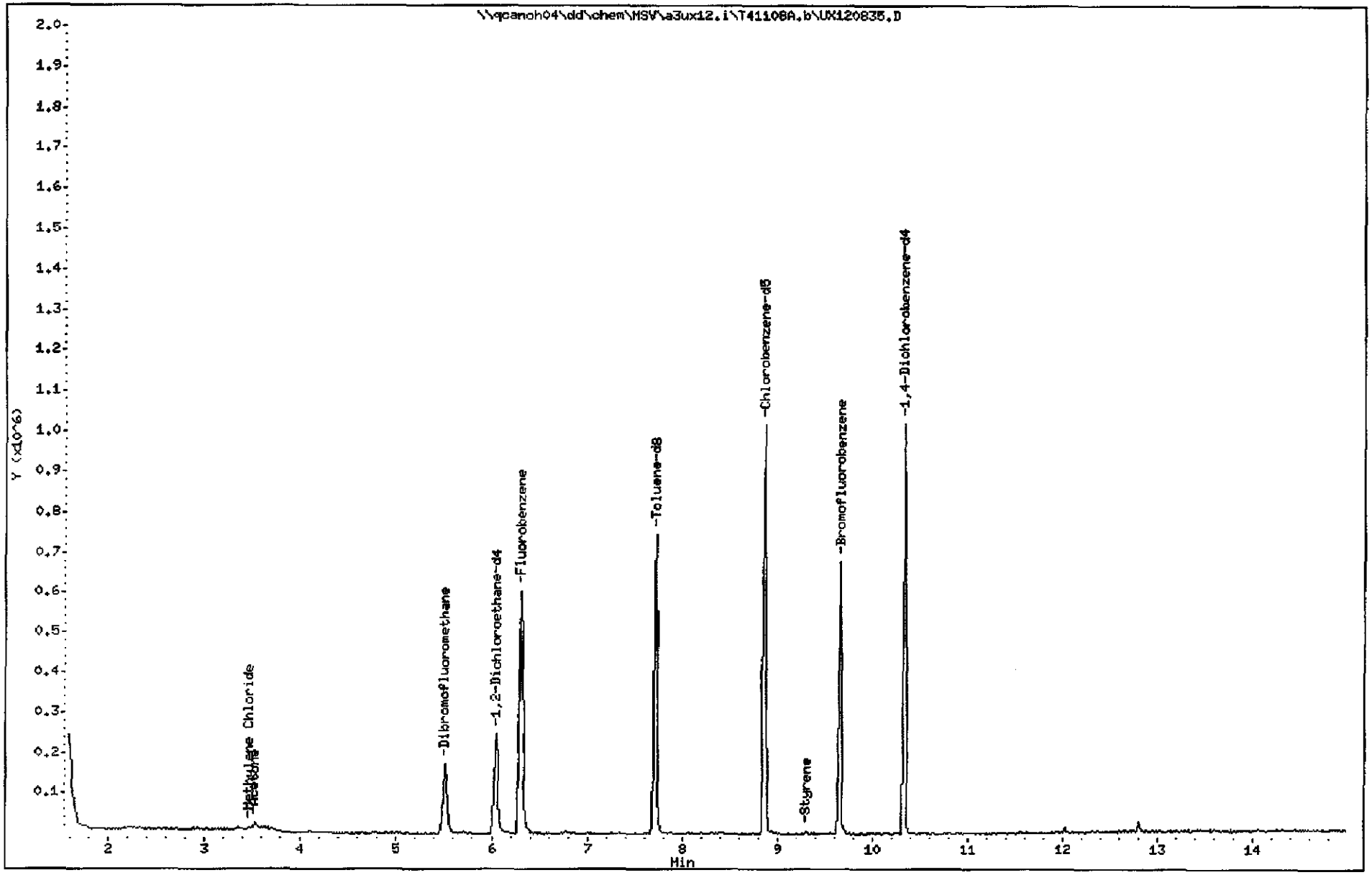
Data file : \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120835.D
Lab Smp Id: gwj711aa
Inj Date : 08-NOV-2004 17:39
Operator : 1903 Inst ID: a3ux12.i
Smp Info : BLANK
Misc Info : T41108A,8260MIUX12,,1903,3,,BLANK,,0
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux12.i\T41108A.b\8260MIUX12.m
Meth Date : 09-Nov-2004 15:33 laveyt Quant Type: ISTD
Cal Date : 29-SEP-2004 02:00 Cal File: UX129650.D
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.04
Processing Host: QCANOH04

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\qcanoh04\dd\chem\MSV\a3ux12.i\T41108A.b\UX120835.D
Date : 08-NOV-2004 17:39
Client ID:
Sample Info: BLANK
Purge Volume: 5.0
Column phase: RTx-VMS

Instrument: a3ux12.i

Operator: 1903
Column diameter: 0.18



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Date : 08-NOV-2004 17:39

Client ID:

Instrument: a3ux12.i

Sample Info: BLANK

Purge Volume: 5.0

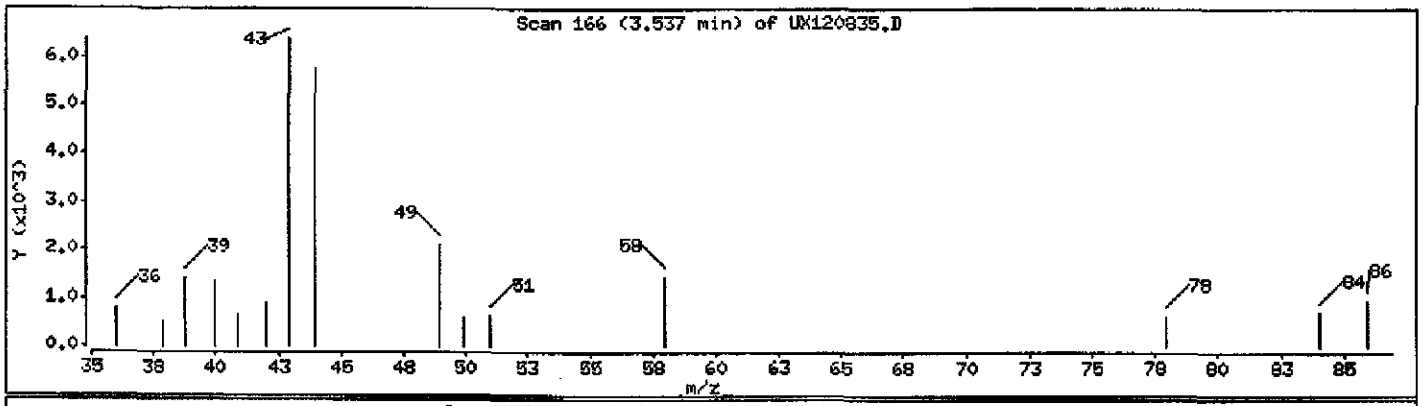
Operator: 1903

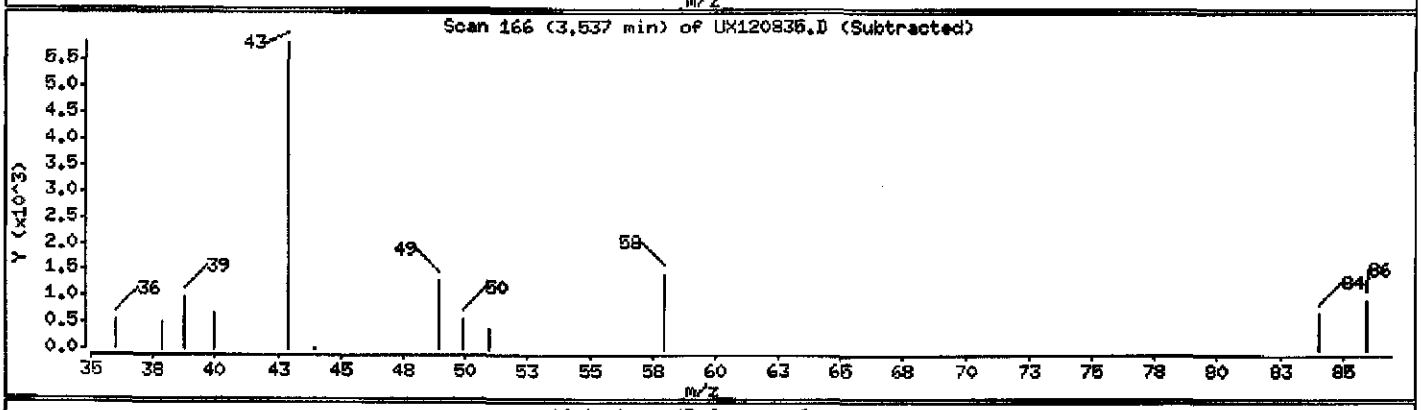
Column phase: RTx-VMS

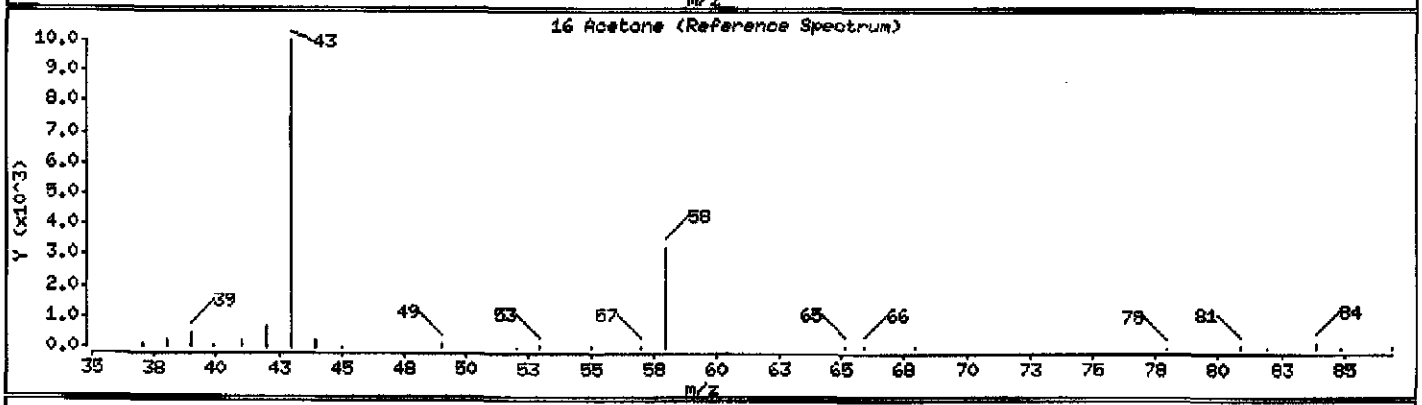
Column diameter: 0.18

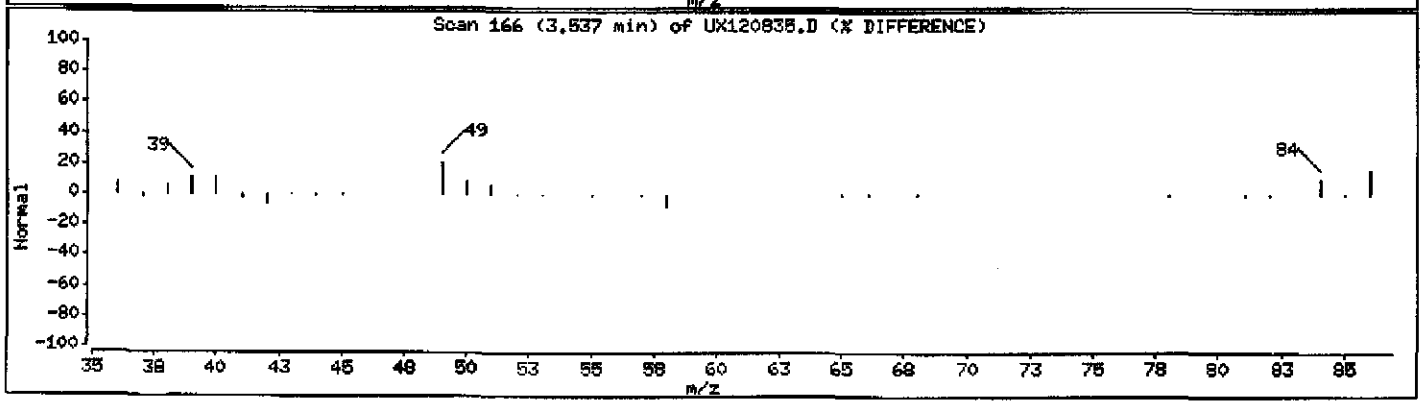
16 Acetone

Concentration: 2.273 ug/L









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Date : 08-NOV-2004 17:39

Client ID:

Instrument: a3ux12.i

Sample Info: BLANK

Purge Volume: 5.0

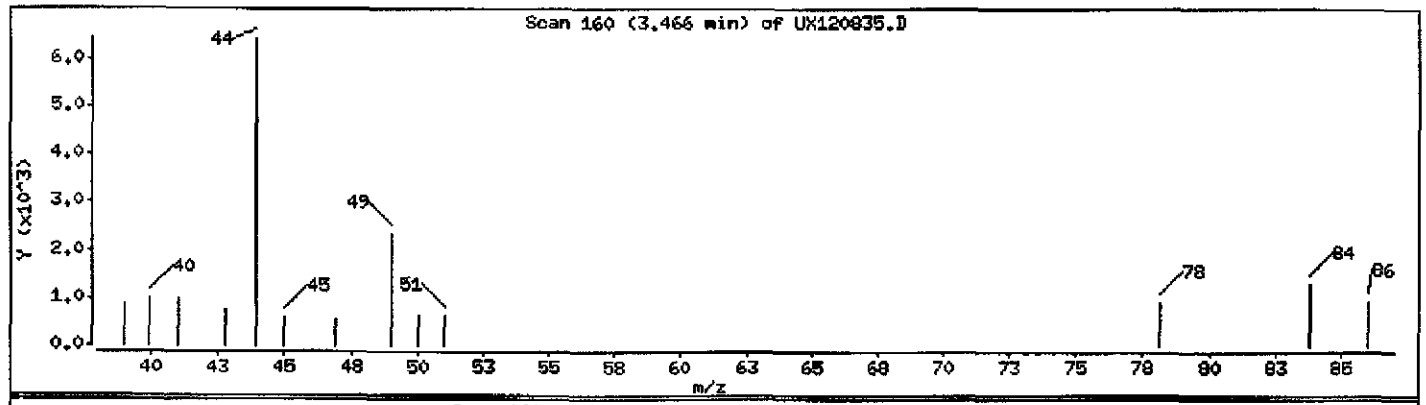
Operator: 1903

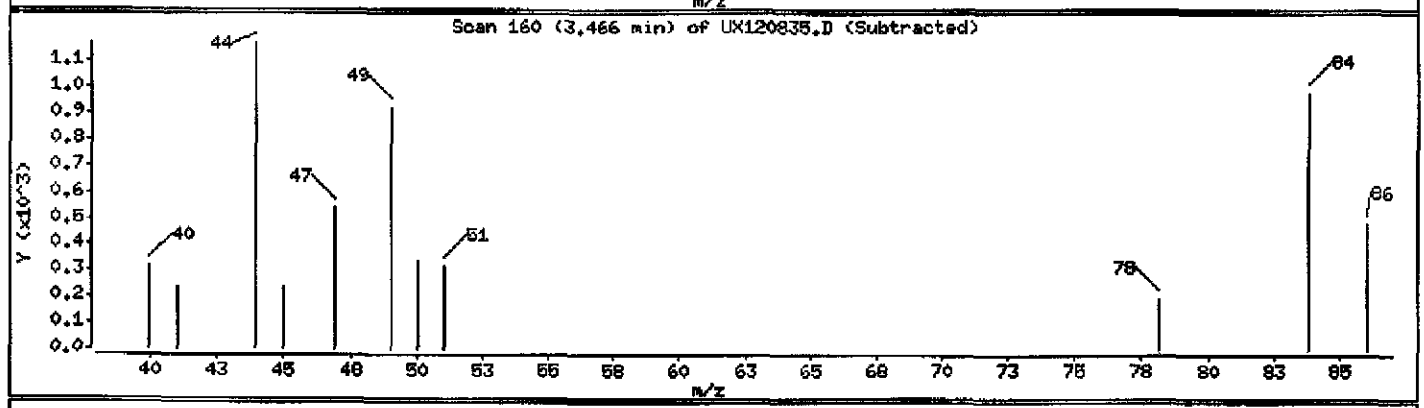
Column phase: RTx-VMS

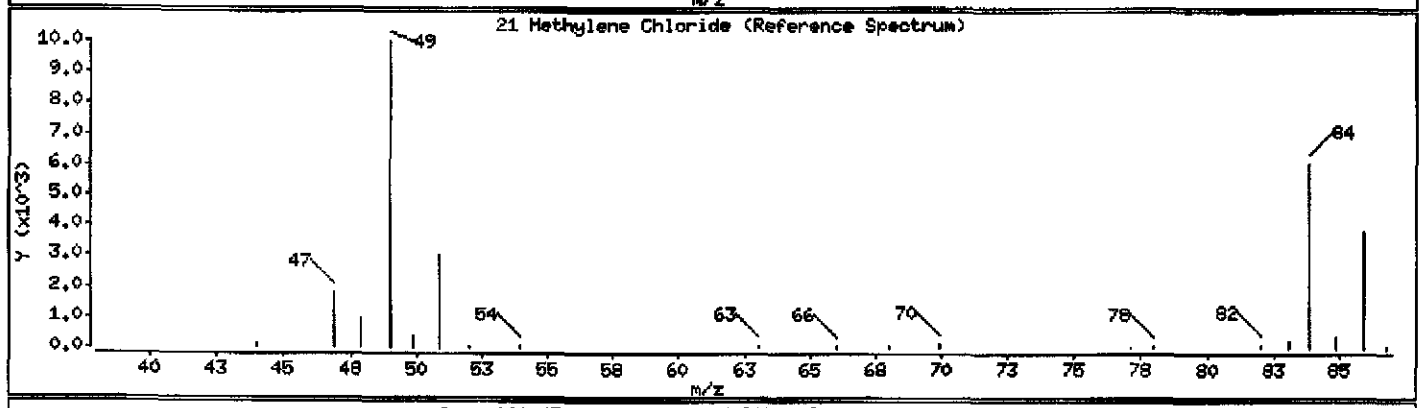
Column diameter: 0.18

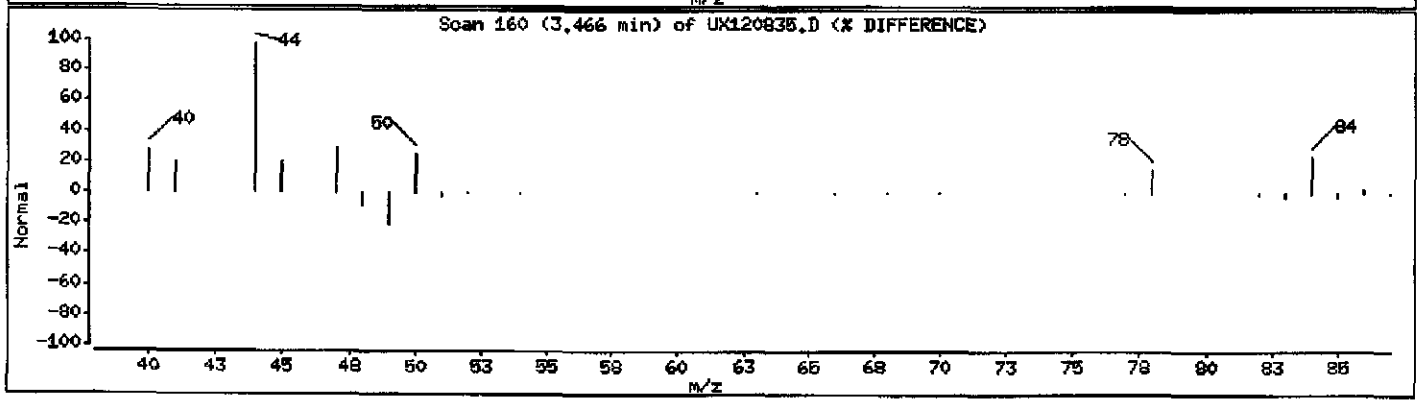
21 Methylene Chloride

Concentration: 0.2284 ug/L









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Date : 08-NOV-2004 17:39

Client ID:

Instrument: a3ux12.i

Sample Info: BLANK

Purge Volume: 5.0

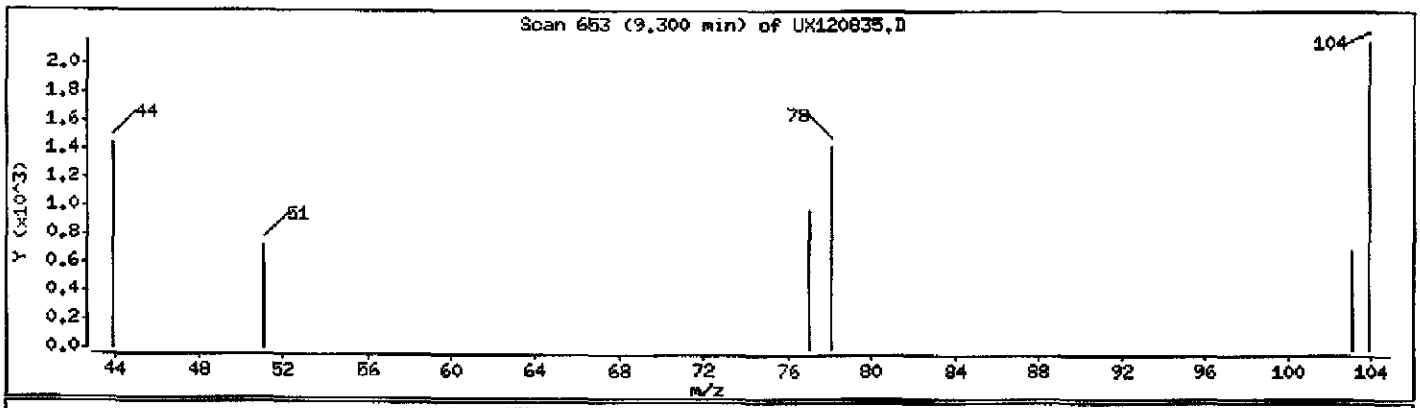
Operator: 1903

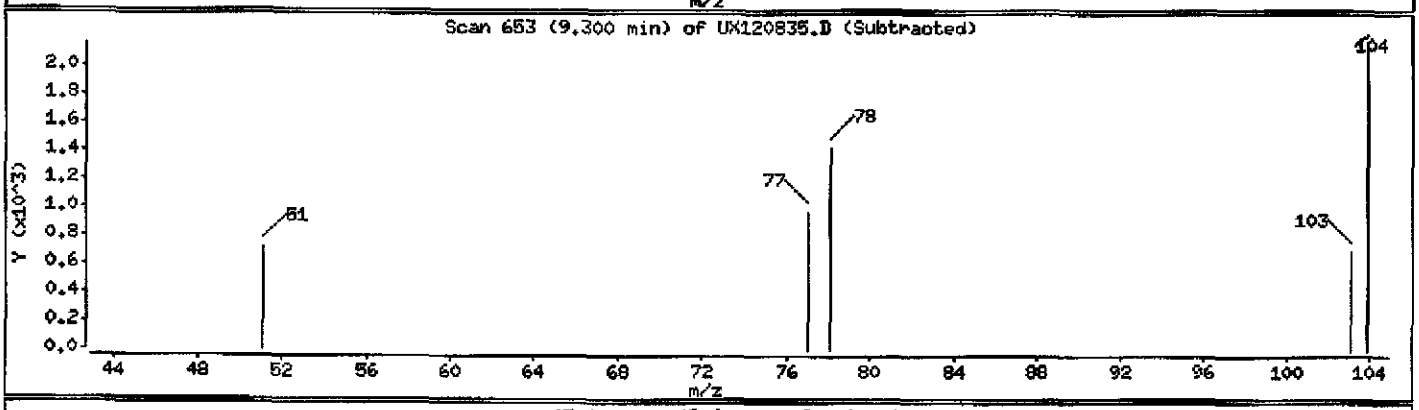
Column phase: RTx-VMS

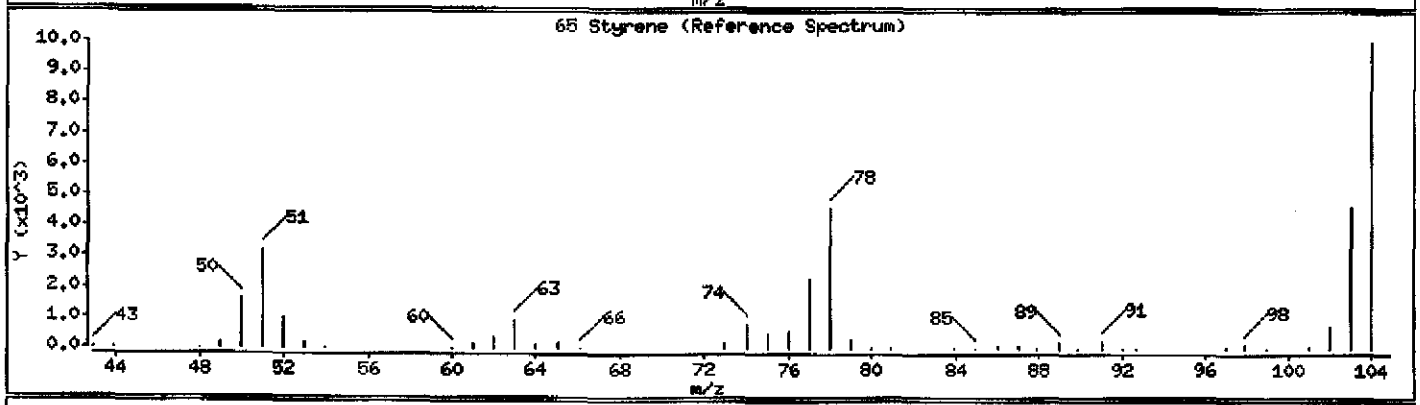
Column diameter: 0.18

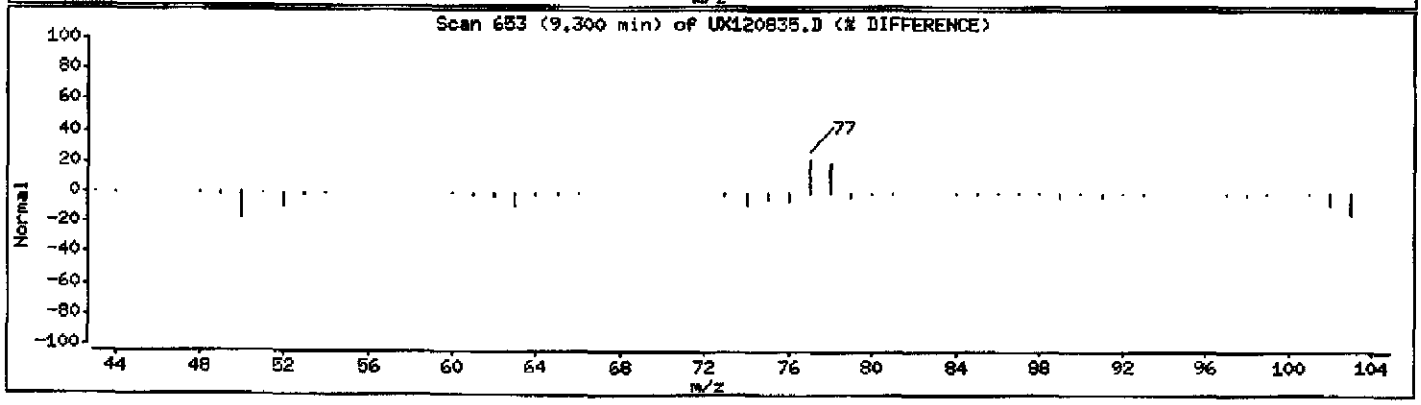
65 Styrene

Concentration: 0.5025 ug/L









MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4J290129 **Work Order #...:** GVX0W1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4J300208-001 GVX0W1AD-MSD
Date Sampled...: 10/29/04 10:05 **Date Received..:** 10/30/04
Prep Date.....: 11/08/04 **Analysis Date..:** 11/08/04
Prep Batch #...: 4314481
Dilution Factor: 166.67 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	55	(45 - 128)			SW846 8260B
	57	(45 - 128)	2.1	(0-30)	SW846 8260B
Benzene	**99**	**(78 - 118)**			**SW846 8260B**
	101	**(78 - 118)**	**2.7**	**(0-20)**	**SW846 8260B**
Bromodichloromethane	113	(80 - 146)			SW846 8260B
	113	(80 - 146)	0.05	(0-30)	SW846 8260B
Bromoform	93	(58 - 176)			SW846 8260B
	96	(58 - 176)	2.6	(0-30)	SW846 8260B
Bromomethane	76	(55 - 145)			SW846 8260B
	80	(55 - 145)	5.6	(0-30)	SW846 8260B
2-Butanone	74	(71 - 123)			SW846 8260B
	74	(71 - 123)	0.63	(0-30)	SW846 8260B
Carbon disulfide	89	(69 - 138)			SW846 8260B
	88	(69 - 138)	1.1	(0-41)	SW846 8260B
Carbon tetrachloride	116	(63 - 176)			SW846 8260B
	109	(63 - 176)	6.6	(0-30)	SW846 8260B
Chlorobenzene	**97**	**(76 - 117)**			**SW846 8260B**
	101	**(76 - 117)**	**3.6**	**(0-20)**	**SW846 8260B**
Dichlorodifluoromethane	98	(70 - 130)			SW846 8260B
	88	(70 - 130)	10	(0-30)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	107	(70 - 130)			SW846 8260B
	88	(70 - 130)	19	(0-30)	SW846 8260B
Methyl acetate	53 a	(70 - 130)			SW846 8260B
	62 a	(70 - 130)	15	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	93	(70 - 130)			SW846 8260B
	95	(70 - 130)	0.55	(0-30)	SW846 8260B
Cyclohexane	84	(70 - 130)			SW846 8260B
	76	(70 - 130)	11	(0-30)	SW846 8260B
Methylcyclohexane	96	(70 - 130)			SW846 8260B
	76	(70 - 130)	24	(0-30)	SW846 8260B
Dibromochloromethane	107	(71 - 158)			SW846 8260B
	106	(71 - 158)	0.14	(0-30)	SW846 8260B
Isopropylbenzene	95	(70 - 130)			SW846 8260B
	97	(70 - 130)	1.8	(0-30)	SW846 8260B
1,3-Dichlorobenzene	88	(70 - 130)			SW846 8260B
	96	(70 - 130)	8.2	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4J290129 **Work Order #...:** GVX0W1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4J300208-001 GVX0W1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Chloroethane	85	(59 - 142)			SW846 8260B
	81	(59 - 142)	5.0	(0-30)	SW846 8260B
1,4-Dichlorobenzene	98	(70 - 130)			SW846 8260B
	102	(70 - 130)	3.9	(0-30)	SW846 8260B
1,2-Dichlorobenzene	93	(70 - 130)			SW846 8260B
	98	(70 - 130)	4.9	(0-30)	SW846 8260B
1,2,4-Trichloro-benzene	78	(70 - 130)			SW846 8260B
	91	(70 - 130)	16	(0-30)	SW846 8260B
Chloroform	108	(83 - 141)			SW846 8260B
	112	(83 - 141)	3.5	(0-30)	SW846 8260B
Chloromethane	84	(40 - 137)			SW846 8260B
	85	(40 - 137)	1.8	(0-39)	SW846 8260B
1,2-Dibromo-3-chloro-propane	71	(70 - 130)			SW846 8260B
	79	(70 - 130)	11	(0-30)	SW846 8260B
1,2-Dibromoethane	95	(70 - 130)			SW846 8260B
	96	(70 - 130)	0.62	(0-30)	SW846 8260B
1,1-Dichloroethane	112	(88 - 127)			SW846 8260B
	112	(88 - 127)	0.33	(0-30)	SW846 8260B
1,2-Dichloroethane	117	(71 - 160)			SW846 8260B
	118	(71 - 160)	0.21	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	99	(87 - 114)			SW846 8260B
	102	(87 - 114)	2.9	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	99	(85 - 116)			SW846 8260B
	91	(85 - 116)	7.9	(0-30)	SW846 8260B
1,1-Dichloroethene	**111**	**(62 - 130)**			**SW846 8260B**
	107	**(62 - 130)**	**3.7**	**(0-20)**	**SW846 8260B**
1,2-Dichloroethene (total)	99	(86 - 115)			SW846 8260B
	97	(86 - 115)	2.4	(0-30)	SW846 8260B
1,2-Dichloropropane	102	(87 - 114)			SW846 8260B
	103	(87 - 114)	0.65	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	105	(82 - 130)			SW846 8260B
	109	(82 - 130)	3.3	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	97	(73 - 147)			SW846 8260B
	99	(73 - 147)	2.2	(0-30)	SW846 8260B
Ethylbenzene	97	(86 - 132)			SW846 8260B
	102	(86 - 132)	4.9	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4J290129 **Work Order #...:** GVX0W1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4J300208-001 GVX0W1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Hexanone	67 a	(81 - 128)			SW846 8260B
	67 a	(81 - 128)	0.26	(0-30)	SW846 8260B
Methylene chloride	100	(82 - 115)			SW846 8260B
	101	(82 - 115)	1.5	(0-30)	SW846 8260B
4-Methyl-2-pentanone	94	(82 - 135)			SW846 8260B
	99	(82 - 135)	5.8	(0-30)	SW846 8260B
Styrene	94	(83 - 120)			SW846 8260B
	101	(83 - 120)	6.4	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	84 a	(88 - 116)			SW846 8260B
	88	(88 - 116)	4.0	(0-30)	SW846 8260B
Tetrachloroethene	106	(85 - 121)			SW846 8260B
	104	(85 - 121)	1.8	(0-30)	SW846 8260B
Toluene	**103**	**(70 - 119)**			**SW846 8260B**
	105	**(70 - 119)**	**1.4**	**(0-20)**	**SW846 8260B**
1,1,1-Trichloroethane	122	(71 - 162)			SW846 8260B
	121	(71 - 162)	0.73	(0-30)	SW846 8260B
1,1,2-Trichloroethane	94	(86 - 129)			SW846 8260B
	92	(86 - 129)	2.2	(0-30)	SW846 8260B
Trichloroethene	**105**	**(62 - 130)**			**SW846 8260B**
	104	**(62 - 130)**	**0.94**	**(0-20)**	**SW846 8260B**
Trichlorofluoromethane	107	(70 - 130)			SW846 8260B
	96	(70 - 130)	11	(0-30)	SW846 8260B
Vinyl chloride	94	(88 - 126)			SW846 8260B
	90	(88 - 126)	4.5	(0-30)	SW846 8260B
Xylenes (total)	97	(89 - 121)			SW846 8260B
	98	(89 - 121)	1.0	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
	103	(73 - 122)
1,2-Dichloroethane-d4	114	(61 - 128)
	119	(61 - 128)
Toluene-d8	96	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)
	95	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4J290129 **Work Order #...:** GVX0W1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4J300208-001 GVX0W1AD-MSD
Date Sampled...: 10/29/04 10:05 **Date Received..:** 10/30/04
Prep Date.....: 11/08/04 **Analysis Date..:** 11/08/04
Prep Batch #...: 4314481
Dilution Factor: 166.67 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	170	1700	1100	ug/L	55		SW846 8260B
	170	1700	1100	ug/L	57	2.1	SW846 8260B
Benzene	**ND**	**1700**	**1600**	**ug/L**	**99**		**SW846 8260B**
	ND	**1700**	**1700**	**ug/L**	**101**	**2.7**	**SW846 8260B**
Bromodichloromethane	ND	1700	1900	ug/L	113		SW846 8260B
	ND	1700	1900	ug/L	113	0.05	SW846 8260B
Bromoform	ND	1700	1600	ug/L	93		SW846 8260B
	ND	1700	1600	ug/L	96	2.6	SW846 8260B
Bromomethane	ND	1700	1300	ug/L	76		SW846 8260B
	ND	1700	1300	ug/L	80	5.6	SW846 8260B
2-Butanone	ND	1700	1200	ug/L	74		SW846 8260B
	ND	1700	1200	ug/L	74	0.63	SW846 8260B
Carbon disulfide	ND	1700	1500	ug/L	89		SW846 8260B
	ND	1700	1500	ug/L	88	1.1	SW846 8260B
Carbon tetrachloride	ND	1700	1900	ug/L	116		SW846 8260B
	ND	1700	1800	ug/L	109	6.6	SW846 8260B
Chlorobenzene	**ND**	**1700**	**1600**	**ug/L**	**97**		**SW846 8260B**
	ND	**1700**	**1700**	**ug/L**	**101**	**3.6**	**SW846 8260B**
Dichlorodifluoromethane	ND	1700	1600	ug/L	98		SW846 8260B
	ND	1700	1500	ug/L	88	10	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1700	1800	ug/L	107		SW846 8260B
	ND	1700	1500	ug/L	88	19	SW846 8260B
Methyl acetate	ND	1700	890	ug/L	53 a		SW846 8260B
	ND	1700	1000	ug/L	62 a	15	SW846 8260B
Methyl tert-butyl ether (MTBE)	5100	1700	6600	ug/L	93		SW846 8260B
	5100	1700	6600	ug/L	95	0.55	SW846 8260B
Cyclohexane	ND	1700	1400	ug/L	84		SW846 8260B
	ND	1700	1300	ug/L	76	11	SW846 8260B
Methylcyclohexane	ND	1700	1600	ug/L	96		SW846 8260B
	ND	1700	1300	ug/L	76	24	SW846 8260B
Dibromochloromethane	ND	1700	1800	ug/L	107		SW846 8260B
	ND	1700	1800	ug/L	106	0.14	SW846 8260B
Isopropylbenzene	ND	1700	1600	ug/L	95		SW846 8260B
	ND	1700	1600	ug/L	97	1.8	SW846 8260B
1,3-Dichlorobenzene	ND	1700	1500	ug/L	88		SW846 8260B
	ND	1700	1600	ug/L	96	8.2	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4J290129 **Work Order #...:** GVX0W1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4J300208-001 GVX0W1AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Chloroethane	ND	1700	1400	ug/L	85		SW846 8260B
	ND	1700	1300	ug/L	81	5.0	SW846 8260B
1,4-Dichlorobenzene	ND	1700	1600	ug/L	98		SW846 8260B
	ND	1700	1700	ug/L	102	3.9	SW846 8260B
1,2-Dichlorobenzene	ND	1700	1600	ug/L	93		SW846 8260B
	ND	1700	1600	ug/L	98	4.9	SW846 8260B
1,2,4-Trichloro-benzene	ND	1700	1300	ug/L	78		SW846 8260B
	ND	1700	1500	ug/L	91	16	SW846 8260B
Chloroform	ND	1700	1800	ug/L	108		SW846 8260B
	ND	1700	1900	ug/L	112	3.5	SW846 8260B
Chloromethane	ND	1700	1400	ug/L	84		SW846 8260B
	ND	1700	1400	ug/L	85	1.8	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1700	1200	ug/L	71		SW846 8260B
	ND	1700	1300	ug/L	79	11	SW846 8260B
1,2-Dibromoethane	ND	1700	1600	ug/L	95		SW846 8260B
	ND	1700	1600	ug/L	96	0.62	SW846 8260B
1,1-Dichloroethane	ND	1700	1900	ug/L	112		SW846 8260B
	ND	1700	1900	ug/L	112	0.33	SW846 8260B
1,2-Dichloroethane	ND	1700	2000	ug/L	117		SW846 8260B
	ND	1700	2000	ug/L	118	0.21	SW846 8260B
cis-1,2-Dichloroethene	ND	1700	1700	ug/L	99		SW846 8260B
	ND	1700	1700	ug/L	102	2.9	SW846 8260B
trans-1,2-Dichloroethene	ND	1700	1600	ug/L	99		SW846 8260B
	ND	1700	1500	ug/L	91	7.9	SW846 8260B
1,1-Dichloroethene	**ND**	**1700**	**1900**	**ug/L**	**111**		**SW846 8260B**
	ND	**1700**	**1800**	**ug/L**	**107**	**3.7**	**SW846 8260B**
1,2-Dichloroethene (total)	ND	3300	3300	ug/L	99		SW846 8260B
	ND	3300	3200	ug/L	97	2.4	SW846 8260B
1,2-Dichloropropane	ND	1700	1700	ug/L	102		SW846 8260B
	ND	1700	1700	ug/L	103	0.65	SW846 8260B
cis-1,3-Dichloropropene	ND	1700	1800	ug/L	105		SW846 8260B
	ND	1700	1800	ug/L	109	3.3	SW846 8260B
trans-1,3-Dichloropropene	ND	1700	1600	ug/L	97		SW846 8260B
	ND	1700	1700	ug/L	99	2.2	SW846 8260B
Ethylbenzene	ND	1700	1600	ug/L	97		SW846 8260B
	ND	1700	1700	ug/L	102	4.9	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4J290129 **Work Order #...:** GVX0W1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4J300208-001 GVX0W1AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Hexanone	ND	1700	1100	ug/L	67 a		SW846 8260B
	ND	1700	1100	ug/L	67 a	0.26	SW846 8260B
Methylene chloride	77	1700	1700	ug/L	100		SW846 8260B
	77	1700	1800	ug/L	101	1.5	SW846 8260B
4-Methyl-2-pentanone	ND	1700	1600	ug/L	94		SW846 8260B
	ND	1700	1700	ug/L	99	5.8	SW846 8260B
Styrene	ND	1700	1600	ug/L	94		SW846 8260B
	ND	1700	1700	ug/L	101	6.4	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1700	1400	ug/L	84 a		SW846 8260B
	ND	1700	1500	ug/L	88	4.0	SW846 8260B
Tetrachloroethene	ND	1700	1800	ug/L	106		SW846 8260B
	ND	1700	1700	ug/L	104	1.8	SW846 8260B
Toluene	**ND**	**1700**	**1700**	**ug/L**	**103**		**SW846 8260B**
	ND	**1700**	**1700**	**ug/L**	**105**	**1.4**	**SW846 8260B**
1,1,1-Trichloroethane	ND	1700	2000	ug/L	122		SW846 8260B
	ND	1700	2000	ug/L	121	0.73	SW846 8260B
1,1,2-Trichloroethane	ND	1700	1600	ug/L	94		SW846 8260B
	ND	1700	1500	ug/L	92	2.2	SW846 8260B
Trichloroethene	**ND**	**1700**	**1700**	**ug/L**	**105**		**SW846 8260B**
	ND	**1700**	**1700**	**ug/L**	**104**	**0.94**	**SW846 8260B**
Trichlorofluoromethane	ND	1700	1800	ug/L	107		SW846 8260B
	ND	1700	1600	ug/L	96	11	SW846 8260B
Vinyl chloride	ND	1700	1600	ug/L	94		SW846 8260B
	ND	1700	1500	ug/L	90	4.5	SW846 8260B
Xylenes (total)	ND	5000	4900	ug/L	97		SW846 8260B
	ND	5000	4900	ug/L	98	1.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
	103	(73 - 122)
1,2-Dichloroethane-d4	114	(61 - 128)
	119	(61 - 128)
Toluene-d8	96	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)
	95	(74 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MISCELLANEOUS DATA

UX12
Batch # _____

STL-North Canton
GC/MS VOA Run Log

VVC 9-30

Date: 9-28-4

Column	BFB	Analysis	Purge & Trap
Type: Rtx-VMS	110 C for 0.1 min	45 C for 4 min	Trap: 10
Length 20 M	to 230 C @ 25 C/min	to 100 C @ 18 C/min	Purge: 11
I.D. 0.18 mm	Hold ___ min	to 230 C @ 30 C/min	Desorb: 2 min @ 200 C
Flow Rate 0.4	IS # V2287 SS # V2288	Hold 2.5 min	Bake: 5 min @ 210 C
			Heated purge: Yes (No)

Sample ID	Analyst Initials	Sample Number	Amount	Internal Std	Comments	Time	Status
BFB		BFB786	50ng			19:34	ok
8260 STD		UX129637	2.5ng	V2307,08,15	T40928		ok
		38	5ng				ok
		39	25ng				ok
		40	50ng				ok
		41	100ng				ok
		42	250ng				ok
ICV/CHK		43	50ng	V2302			ok
BLANK		44	5mL				ok
A9 STD		45	2.5ng	V2315,V2300	T40928-A9		ok
		46	5ng				ok
		47	25ng				ok
		48	50ng				ok
		49	100ng				ok
		50	250ng				ok
RINSE		51					—
MLP LCS	9-24 MI	52	100µl/5mL	25ng	1,1-DCEt GRFGH		ok
MLP LCSD		53					ok
MLP BLK		54				4273545	ok
GQ2N41AC		55		27.6			ok
GQ2PA1AN		56		24.4			ok
		57					
		58					
		59					
		60					

Analyst: [illegible]
Level 2 review: TS

10-22

UX12
Batch # 4294405

STL-North Canton
GC/MS VOA Run Log

Date: 10-19-4

Column	BFB	Analysis	Purge & Trap
Type: RTX VMS	100 C for 0.1 min	45 C for 4 min	Trap: 10
Length 20 M	to 220 C @ 25 C/min	to 100 C @ 18 C/min	Purge: 11
I.D. 0.18 mm	Hold / min	to 220 C @ 30 C/min	Desorb: 2 min @ 200 C
Flow Rate 0.4	IS # V2395 SS # V2350	Hold 2.5 min	Bake: 5 min @ 220 C
			Heated purge: Yes / No

	BFB		BFB 809	50ng		17:41	ok
	8260 STD		ux120215	2.5ng	V2387,92,93	T41019	ok
			16	5ng			ok
			17	25ng			ok
			18	50ng			ok
			19	100ng			ok
			20	250ng			ok
	ICV/CHK		21	50ng	V2397		ok
	MLP LCS	10-11 8E	22	100µl/5mL	10g	GTJXG	OK
	MLP LCSD		23				ok
	MLP BLK		24				OK
GM	GR9WX18P		25	100µl/5mL	11.6/11.6		ok
	~~GR9WX18Q~~		~~26~~	~~100µl/5mL~~	~~11.7/11.7~~	LOADED AT END	
	GR9W11A4		27	100µl/5mL	10.9		ok
	GR9W21A4		28	100µl/5mL	10.8		ok
	GR9W41A4		29	100µl/5mL	10.1		ok
	GR9W51A4		30	30µl/5mL	11.6/11.6		ok
	GR9W71AA		31	100µl/5mL	11.1/11.1		ok
	GR9W81AA		32	100µl/5mL	10.6		ok
	GR9W91AA		33	25µl/5mL	12.0/12.0		ok
	GR9XA1AA		34	25µl/5mL	11.3/11.3		ok
GM	GR9XB1AA		35	10µl/5mL	10.5		ok
	GR9XE1AA		36		10.6		ok
	GR9XF1AA		37		11.9/11.9		ok
	GR9XH1AA		38	25µl/5mL	11.2/11.2		OK
	GR9XJ1A4		39	30µl/5mL	8.4		ok
	GR9XK1AF		40	100µl/5mL	11.0/11.0		ok
	GR9XL1AM		41	100µl/5mL	10.7		ok
	GR9XM1AH		42	25µl/5mL	12.0/12.0		ok
GM	GR9WX1DQ		43	100µl/5mL	11.7/11.7	SAMPLE DUP – NO MS	NR
	RINSE RINSE		44 45	5mL 5mL			–
	MeOH TEST		46	100µl/5mL			–

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

UX12
Batch # 4314481

STL-North Canton
GC/MS VOA Run Log

Date: 11-8-4

Column	BFB	Analysis	Purge & Trap
Type: RTX VMS	100 C for 0.1 min	45 C for 4 min	Trap: 10
Length 20 M	to 230 C @ 25 C/min	to 100 C @ 18 C/min	Purge: 11
I.D. 0.18 mm	Hold / min	to 230 C @ 30 C/min	Desorb: 2 min @ 200 C
Flow Rate 0.4		Hold 0.5 min	Bake: 5 min @ 210 C
	IS # V2457 SS # V2458		Heated purge: Yes / No

	BFB	/	BFB832	50ng		15:11	ok	
/	8260 STD		UX120830	50ng	V2449,46,45	T41019	ok	
/	A9 STD		31	50ng	V2448,51	TK0928-A9	ok	
/	CHECK		32	50ng	V2453	GWJ71	ok	
/	CHECK		33	50ng	↓	↓	ok	
	~~BLANK~~		~~34~~	~~5mL~~			~~RR~~	
/	BLANK		35	5mL		GWJ71	ok	
11-8-4	GVX16IAA	BLANK	36	5mL			ok	NR
	GVX0WIAA		37	50µL/5mL		RR 30µL		
/	GVX1RIAA		38	0.125mL/5mL			ok	
/	GVX10IAA		39	0.125mL/5mL			ok	
/	GVX12IAA		40	10µL/5mL			ok	
/	GVX16IAA		41	5mL			ok	
/	GVX0WIAA		42	30µL/5mL			ok	
/	GVX0WIAC	-S	43	↓	+50ng		ok	
/	GVX0WIAD	-D	44	↓	↓		ok	
/	GVP8XIAE		45	5mL			ok	
/	GVP9VIAE		46	5mL			ok	
/	GVP93IAA		47	5mL			ok	
/	GVR2A1AA		48	5mL			ok	
/	GVR2E1AA		49	5mL			ok	
/	GVR2F1AA		50	5mL			ok	
/	GVR2G1AA		51	5mL			ok	
/	GVR2H1AA		52	5mL		SST - NO HITS	ok	
/	GVR2K1AA		53	5mL			ok	
/	GVR2L1AA		54	5mL			ok	
/	GVR2M1AA		55	5mL		SST - NO HITS	ok	
/	GVR2N1AA		56	5mL			ok	
/	GVR451AA		57	5mL		+tic SST - NO HITS	ok	
/	GVR561AA		58	5mL		↓ SST - NO HITS	ok	
							11-9-4	

Analyst: [illegible]
Level 2 review: SMK

MSVOC Lot Summary - A4J290129

:LIENT: 5670 PAYNE FIRM INC. SDG: 4J29129 Date Received: 10/29/04
'ROJECT MANAGER: Roger K. Toth Date Analysis Due: 11/18/04 N
:ITE: EMD OH Date Report Due: 11/24/04
.OT COMMENTS: Turnaround Time: 20
)C PACKAGE: Expanded Deliverables

FL=N

77

:AMP#	W/O NO.	PARAMETER	X-REF	Sampled	Expires	Est	Sample ID, Comments / Analysis Comments
)01-	GVR2A-1AA	XX I 25 QK 01 MS8260LL		10/28/04 9:45	11/11/04	Y	WRPZ05/102804 Q: CLP MSVOA TCL Standard List EXP.DEL. SDG #4J29129, 8260 NEED TO HAVE 10X LESSER DILUTION. AP9 Compounds
)02-	GVR2E-1AA	XX I 25 QK 01 MS8260LL		10/28/04 9:46	11/11/04	Y	WRPZ20/102804 Q: CLP MSVOA TCL Standard List EXP.DEL. SDG #4J29129, 8260 NEED TO HAVE 10X LESSER DILUTION. AP9 Compounds
)03-	GVR2F-1AA	XX I 25 QK 01 MS8260LL		10/28/04 10:08	11/11/04	Y	WRPZ10/102804 Q: CLP MSVOA TCL Standard List EXP.DEL. SDG #4J29129, 8260 NEED TO HAVE 10X LESSER DILUTION. AP9 Compounds
)04-	GVR2G-1AA	XX I 25 QK 01 MS8260LL		10/28/04 10:20	11/11/04	Y	WRPZ15/102804 Q: CLP MSVOA TCL Standard List EXP.DEL. SDG #4J29129, 8260 NEED TO HAVE 10X LESSER DILUTION. AP9 Compounds
)05-	GVR2H-1AA	XX I 25 QK 01 MS8260LL		10/28/04 11:16	11/11/04	Y	DW002/102804 Q: CLP MSVOA TCL Standard List EXP.DEL. SDG #4J29129, 8260 NEED TO HAVE 10X LESSER DILUTION. AP9 Compounds
)06-	GVR2K-1AA	XX I 25 QK 01 MS8260LL		10/28/04 12:17	11/11/04	Y	DW003/102804 Q: CLP MSVOA TCL Standard List EXP.DEL. SDG #4J29129, 8260 NEED TO HAVE 10X LESSER DILUTION. AP9 Compounds
)07-	GVR2L-1AA	XX I 25 QK 01 MS8260LL		10/28/04 12:56	11/11/04	Y	DW004/102804 Q: CLP MSVOA TCL Standard List EXP.DEL. SDG #4J29129, 8260 NEED TO HAVE 10X LESSER DILUTION. AP9 Compounds
)08-	GVR2M-1AA	XX I 25 QK 01 MS8260LL		10/28/04 13:42	11/11/04	Y	DW001/102804 Q: CLP MSVOA TCL Standard List EXP.DEL. SDG #4J29129, 8260 NEED TO HAVE 10X LESSER DILUTION. AP9 Compounds
)09-	GVR2N-1AA	XX I 25 QK 01 MS8260LL		10/28/04	11/11/04	Y	TRIP BLANK Q: CLP MSVOA TCL Standard List EXP.DEL. SDG #4J29129, 8260 NEED TO HAVE 10X LESSER DILUTION. AP9 Compounds

11/23/04 03:43:06 Sample Control Chain of Custody - STL North Canton PAGE 1

LOT NUMBER	SAMPLE	LAB ID	ANALYSIS TYPE	ANALYSIS DATE	ANALYST
A4J290129	1	GVR2A1AA	MS8260LL	11/08/04	Tim Lavey
A4J290129	2	GVR2E1AA	MS8260LL	11/08/04	Tim Lavey
A4J290129	3	GVR2F1AA	MS8260LL	11/08/04	Tim Lavey
A4J290129	4	GVR2G1AA	MS8260LL	11/09/04	Tim Lavey
A4J290129	5	GVR2H1AA	MS8260LL	11/09/04	Tim Lavey
A4J290129	6	GVR2K1AA	MS8260LL	11/09/04	Tim Lavey
A4J290129	7	GVR2L1AA	MS8260LL	11/09/04	Tim Lavey
A4J290129	8	GVR2M1AA	MS8260LL	11/09/04	Tim Lavey
A4J290129	9	GVR2N1AA	MS8260LL	11/09/04	Tim Lavey

*** END OF REPORT ***

SEVERN TRENT STL

END OF REPORT